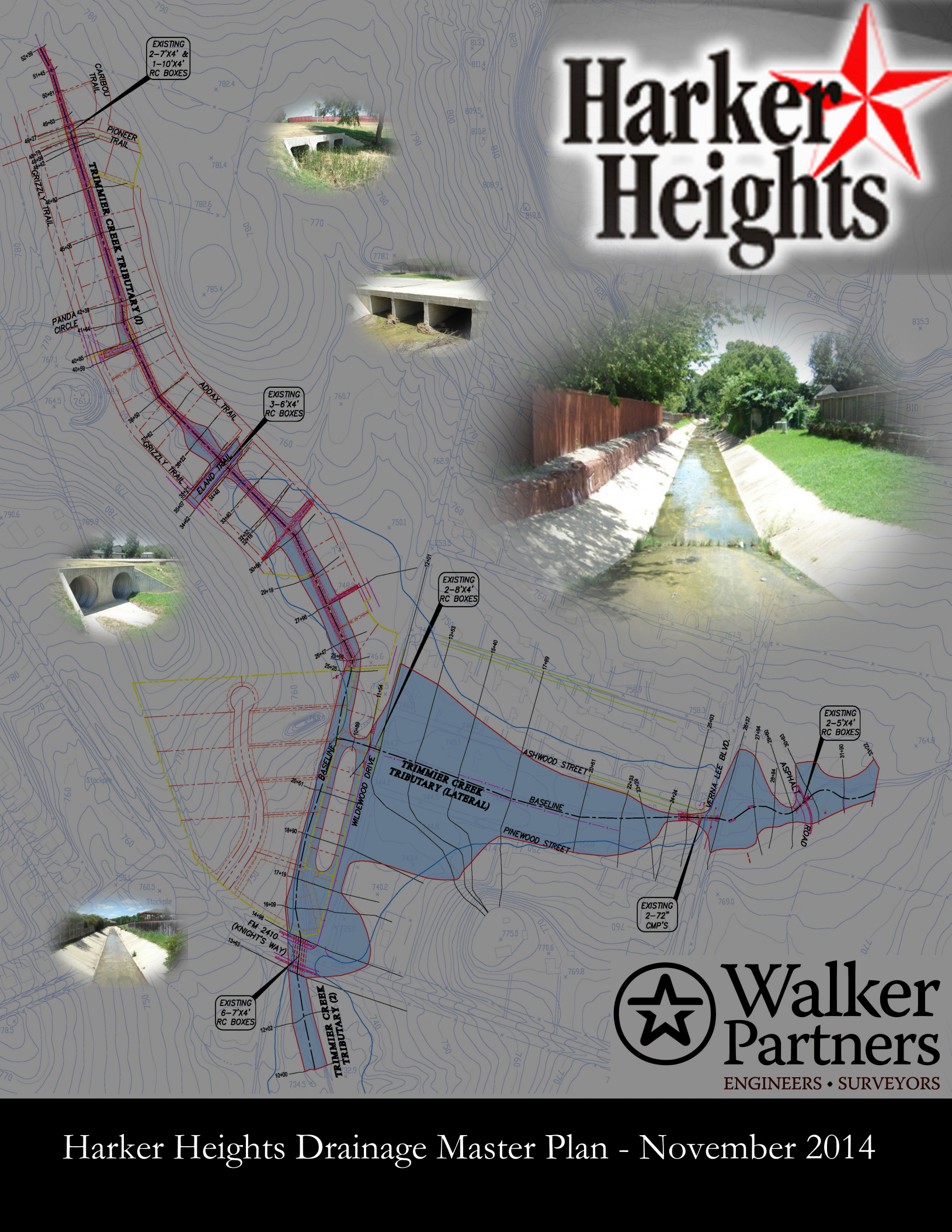


# Harker Heights



**Walker  
Partners**  
ENGINEERS • SURVEYORS

Harker Heights Drainage Master Plan - November 2014



## Harker Heights Drainage Master Plan

Prepared for: City of Harker Heights

Prepared by: Walker Partners, LLC

Date: April 17, 2015



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4-17-2015*



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## **1.0 INTRODUCTION**

### 1.1 Purpose of Study

This study investigates the existence and severity of flood hazards in the City of Harker Heights, Texas.

### 1.2 Authority and Acknowledgments

The source of authority for this drainage study is the City of Harker Heights, Texas. The hydrologic and hydraulic analyses for this study were performed by Walker Partners. This study was completed in November 2014.

### 1.3 Coordination

The contract for services for this study was signed by the City of Harker Heights and Walker Partners on February 15, 2012.

## **2.0 AREA STUDIED**

### 2.1 Scope of Study

This drainage study report includes the watershed modeling of all basins typically greater than 0.50 square miles or basins deemed flood hazards within the city of limits of Harker Heights. The delineated major drainage basins and the limits of study are shown in Figure C001, "Overall Drainage Basin Layout."

The streams that were studied are listed below:

- (1) Acorn Creek Tributary from the City Limit line south of Purser Park to 425 +/- upstream of Concho Trail.
- (2) Harker Heights Tributary 1 from confluence with Nolan Creek to Frontier Trail.
- (3) Harker Heights Tributary 2 from confluence with Nolan Creek to Goode-Connell Park.
- (4) Harker Heights Tributary 3 from confluence with Nolan Creek to West Stacie Road.
- (5) Harker Heights Tributary 4 from confluence with Nolan Creek to 175 feet +/- upstream of Veterans Memorial Boulevard.
- (6) Trimmier Creek Tributary from 150 feet +/- upstream of confluence with Trimmier Creek to the continuation at FM 2410 of a previously performed study.
- (7) Unnamed Tributary 1 from confluence with Nolan Creek to Lantana Street.
- (8) Unnamed Tributary 2 from 225 feet +/- downstream of Warriors Path to 650 feet +/- downstream of Pueblo Trace.
- (9) Unnamed Tributary 3 from confluence with Stillhouse Hollow Lake to FM 2410.

- (10) Unnamed Tributary 4 from 600 feet +/- downstream of FM 2410 to 1300 feet +/- upstream of FM 2410.
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- (12) Unnamed Tributary 6 from 350 feet +/- downstream of FM 2410 to 950 feet +/- upstream of FM 2410

## 2.2 Drainage Basin Description

The City of Harker Heights is located in Bell County, in the State of Texas. The City of Harker Heights is adjacent to and East of the City of Killeen, TX and approximately 50 miles southwest of the City of Waco, TX. The city is also adjacent to the City of Nolanville, TX and located to the Southeast of The Fort Hood Military Reservation. The City of Harker Heights has experienced continuous development as a result of its proximity to Fort Hood and location along US Highway 190. The 2010 U.S. Census recorded the City of Harker Heights population as 26,700. The estimated 2013 Harker Heights population according to the U.S. Census Bureau was 28,169.<sup>6</sup>

Using the City of Harker Heights planimetric aerial survey, aerial photographs, and field survey; twelve (12) drainage basins delineated, they are as follows:

Acorn Creek Tributary basin is comprised of Acorn Creek Tributary, it is a Tributary to Acorn Creek. It is located along the Southeastern city limit boundary of Harker Heights primarily runs thru Purser Family Park and crosses Mountain Lion Road, toward U.S. Highway 190. The total contributing area is 0.93 square miles.

Harker Heights Tributary 1 basin is comprised of Harker Heights Tributary 1, which is a tributary to Nolan Creek, and runs parallel with Lookout Ridge before Crossing under US Highway 190 and ending at Frontier Trail. The total contributing area is 0.90 square miles.

Harker Heights Tributary 2 basin is comprised of Harker Heights Tributary 2, which is a tributary to Nolan Creek, and runs parallel with Amy Lane for majority of its length before crossing Amy Lane and ending in Goode-Connell Park. The total contributing area is 0.97 square miles.

Harker Heights Tributary 3 basin is comprised of Harker Heights Tributary 3, which is a tributary to Nolan Creek, and runs parallel with Ann Boulevard for most of its length before crossing Ann Boulevard and continuing to West Stacie Road. The total contributing area is 0.31 square miles.

Harker Heights Tributary 4 basin is comprised of Harker Heights Tributary 4, which is a tributary to Nolan Creek, and is located along Roy Reynolds and Veterans Memorial Boulevard. The total contributing area is 1.08 square miles.

Trimmier Creek Tributary basin consists of Trimmier Creek Tributary, it runs from the confluence with Trimmier Creek to North of Carl Levin Park. The total contributing area is 3.05 square miles.

Unnamed Tributary 1 basin is comprised of Unnamed Tributary 1, which is located near Yaupon Road and crosses Old Nolanville Road and is a tributary to Nolan Creek. The total contributing area to this basin is 0.28 square miles.

Unnamed Tributary 2 basin is comprised of Unnamed Tributary 2, which is located perpendicular to Warriors Path and is the upper most part of a tributary that contributes to Nolan creek. The total contributing area is 0.79 square miles.

Unnamed Tributary 3 basin is comprised of Unnamed Tributary 3, which is a tributary to Stillhouse Hollow Lake and runs parallel with Comanche Gap Road to FM 2410 and the other branch ending just south of Quarry Trail. The total contributing area is 1.35 square miles.

Unnamed Tributary 4 basin is comprised of Unnamed Tributary 4, which runs perpendicular to FM 24010 near Quanah Valley Road. The total contributing area to this basin is 0.31 square miles.

Unnamed Tributary 5 basin is comprised of Unnamed Tributary 5, which runs perpendicular to FM 24010 near Quanah Valley Road. The total contributing area to this basin is 0.39 square miles.

Unnamed Tributary 6 basin is comprised of Unnamed Tributary 6, which runs perpendicular to FM 24010 near Big Valley Road. The total contributing area to this basin is 0.41 square miles.

Figures attached include: an overall drainage basin map, a vicinity map, hydrologic soil group maps, land use maps for both existing and future conditions, as well as, calculated existing and proposed improvement floodplain maps. The referenced Figures are shown in the consequently named Appendix.

### 2.3 Principal Flood Problems

During a two day storm event in the summer of 2005, the ground became saturated and the runoff flooded city streets, channels, ponds and private dwellings. Many of flooding problems were a result of insufficient grading or inadequate storm sewer. Also, many of the effected dwellings had finished floor elevations below the street's top of curb elevation. Because the dwellings finished floor elevations are below the street grade, the yards became flooded, which in turn flooded residences.

During the 2005 two day storm the city experienced what the city manager described as a 50 year rain, *“Carpenter said he was waiting on the reports from his police department, Fire department and Public Works Department and calls they received at City Hall to determine exactly where the city’s problem areas were during what he calls a 50-year rain.”*<sup>4</sup>

The city manager went on to say *“...he believed the city had 10 homes that were flooded Wednesday, many of which were repeats from Tuesday.”*<sup>4</sup>



## 2.4 Flood Protection Measures

The City of Harker Heights has a Drainage Criteria Manual, adopted in May 2007, in place that outlines the city's policy to govern the planning and design of the drainage infrastructure within the incorporated City Limits of Harker Heights as well as within all areas subject to extra territorial jurisdiction, as required.<sup>2</sup> The manual states that "Storm water runoff peak flow rates for the 10-year and 100-year frequency storms shall not cause increased adverse inundation of any building or roadway surface." It also states that all drainage infrastructure, i.e. street curbs, gutters, inlets, and storm sewers will be designed and maintained to intercept, contain, and transport all runoff from the 10-year frequency without overtopping the curb. In addition the city's drainage infrastructure will be planned and designed to convey those flows greater than the 10-year frequency and up to and including the 100-year frequency, within the Public Right of Ways or drainage easements. For detention facilities, they shall be required to capture and contain the 25-year storm event without increasing the existing peak flow runoff at a point discharge for the 25-year storm. The 100-year storm shall be passed from the detention facility through an emergency spillway such that the flow from the event shall not overtop the facility or cause damage to the downstream facilities.

The Harker Heights Drainage Criteria Manual requires that if land development activities are proposed which will result in flood hazard boundary delineations different from those depicted on the current Flood Insurance Rate Map (FIRM) issued by the Federal Emergency Management Agency (FEMA), the applicant for a development permit shall obtain a Conditional/Letter of Map Revision (CLOMR/LOMR) from FEMA. As a result, the City of Harker Heights will provide floodplain management which is in accordance with FEMA guidelines and regulations.

## 3.0 **ENGINEERING METHODS**

Standard hydrologic and hydraulic study methods were used to determine the flood hazard data for this study. Flood events of a magnitude that have a 10, 2, or 1 percent chance of being equaled or exceeded during any year have been selected for this study because they have a special significance for floodplain management and for flood insurance rates. These storm events are commonly referred to as the 10, 50, and 100-year storms, respectively. It should be noted, however, that the recurrence interval represents the long-term, average period between floods of the respective magnitude. Rare floods could occur at shorter intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than one year are considered. For example, the risk of having a flood that equals or exceeds the 1-percent-annual-chance flood in any 50-year period is approximately 40 percent, and for any 90 year period, the risk increases to approximately 60 percent.

The analysis of the existing flood hazards reported in this study is based on existing conditions in the community at the time of completion of this study. Analysis of future conditions was based on the Future Land Use Plan Map provided by the City of Harker Heights. The detention requirements stated in the Harker Heights Drainage Criteria Manual and briefly discussed in Section 2.4, above should maintain future development discharges less than or equal to the 25-year storm discharges. For more severe floods, the discharges may increase if development occurs. It should be noted that the floodplain maps and base flood elevations will need to be updated periodically to reflect changes if development occurs in the studied area of the floodplain.

### 3.1 Hydrologic Analysis

Hydrologic analyses were performed to establish peak discharge-frequency relationships for floods of the selected recurrence intervals for both the existing and future conditions. Discharges for the various basins were determined by rainfall-runoff analysis based on unit hydrograph theory and employing the Natural Resources Conservation Service's dimensionless unit hydrograph and curve number theory. Refer to Figures; under the Hydrologic Soil Group Maps tab, Existing Land Use Maps tab, and Developed Land Use Maps tab; for the soil and land use conditions for each delineated basin used in this analysis. Computations related to time of concentration and curve numbers may be reviewed in Appendix A and Appendix B, respectively. Rainfall amounts for the 10, 2, and 1-percent-annual-chance floods are from the United States Department of Agriculture Technical Release 55.<sup>8</sup>

Several detention facilities were incorporated into the hydrology models. A total of four (4) detention facilities were evaluated as part of this study. Two (2) of the facilities evaluated, are existing detention ponds, that are part of the Market Heights Shopping Center (MHSC). The elevation-area curves and contributing areas were gleaned from the construction drawings of the MHSC; which were obtained from the City of Harker Heights. Two additional detention facilities were evaluated and incorporated in the Capital Improvement List in Part 4 of this study. The first facility will be located as an additional improvement to the detention pond in Goode-Connell Park; the second facility would be the addition of a regional detention pond located on the Harker Heights High School campus. The elevation-area and elevation-discharge curves for both facilities were created using the City of Harker Heights planimetric aerial topographic maps and the United States Army Corps Of Engineers computer software HEC-HMS<sup>10</sup>. These curves were used in the reservoir routing in the Harker Heights Tributary 2 and the Trimmier Creek Tributary basins. All the parameters used in this study were as recommended by the Natural Resources Conservation Service (NRCS) National Engineering Handbook<sup>7</sup> and were performed using the United States Army Corps of Engineers modeling software HEC-HMS version 3.5.<sup>10</sup>

Ponds within the City of Harker Heights which lie in the undeveloped portions of the basins are typically used for watering livestock, or "stock ponds". The ponds were not designed as flood retarding structures and are meant to retain water not detain storm water. Since they cannot be reliably counted on for storage, they were not analyzed as detention facilities.

A summary of the existing peak discharge- location relationships for the selected recurrence intervals is presented in Table 1, "Summary of Existing Discharges" on the following page.

**Table 1: Summary of Existing Discharges**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	EXISTING PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Acorn Creek Tributary	ACT-A	N/A	DS of US 190	86.49	0.14	364	500	559
Acorn Creek Tributary	ACT-B	N/A	430' +/- DS of Memory Lane Culvert	225.36	0.35	943	1285	1436
Acorn Creek Tributary	ACT-C	2672.5	Centerline of Concho Trail	307.03	0.48	1186	1633	1829
Acorn Creek Tributary	ACT-D	672.73	475' +/- US of Mountain Lion Rd.	395.92	0.62	1479	2052	2304
Acorn Creek Tributary	ACT-E	172	Centerline of Mountain Lion Rd.	414.88	0.65	1521	2114	2377
Acorn Creek Tributary	ACT-F	N/A	725' +/- East of Memory Lane Culvert	70.54	0.11	297	402	448
Acorn Creek Tributary	ACT-G	-1285.82	1400' +/- DS of Mountain Lion Rd.	448.24	0.70	1592	2217	2494
Acorn Creek Tributary	ACT-H	-3427.27	600' +/- US of Acorn Creek Confluence (City Limit Line)	597.29	0.93	1931	2683	3015
Harker Heights Tributary 1	HHT1-A	60+65.52	Centerline of Frontier Trail	163.59	0.26	447	627	707
Harker Heights Tributary 1	HHT1-B	49+28.18	55' +/- US of U.S. 190 Culvert	200.11	0.31	550	769	865
Harker Heights Tributary 1	HHT1-C	40+28.00	175' +/- DS of U.S. 190 Culvert	253.72	0.40	722	1002	1126
Harker Heights Tributary 1	HHT1-D	06+21.12	Centerline of VMB	568.49	0.89	1479	2050	2303
Harker Heights Tributary 1	HHT1-E	02+64.93	400' +/- US of Nolan Creek	576.38	0.90	1494	2071	2326
Harker Heights Tributary 2	HHT2-A	89+17.54	125' +/- DS of Bluebird Dr.	80.53	0.13	251	354	400
Harker Heights Tributary 2	HHT2-B	05+74.76	135' +/- DS of Bluebird Dr.	44.18	0.07	197	272	305
Harker Heights Tributary 2	HHT2-C	73+77.26	Headwall of Culvert at Amy Lane	248.08	0.39	772	1130	1278
Harker Heights Tributary 2	HHT2-D	61+90.03	US Headwall of Robin Ln. Culvert	410.26	0.64	1297	1842	2072
Harker Heights Tributary 2	HHT2-E	55+57.83	Centerline of Beeline Lane	434.55	0.68	1365	1944	2188
Harker Heights Tributary 2	HHT2-F	52+19.44	Centerline of Clore Road	451.90	0.71	1404	2004	2256
Harker Heights Tributary 2	HHT2-G	34+19.24	3400' +/- US confluence with HHT1	522.30	0.82	1614	2304	2594
Harker Heights Tributary 2	HHT2-H	18+07.26	Centerline of VMB	593.39	0.93	1813	2592	2922
Harker Heights Tributary 2	HHT2-I	08+07.98	Centerline of E. 6th Ave.	615.85	0.96	1869	2671	3011
Harker Heights Tributary 2	HHT2-J	02+64.93	265' +/- US Nolan Creek	619.87	0.97	1875	2679	3020

**Table 1: Summary of Existing Discharges Continued**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	EXISTING PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Harker Heights Tributary 3	HHT3-A	41+08.38	235' US of Centerline of Stacie Rd.	55.01	0.09	184	251	281
Harker Heights Tributary 3	HHT3-B	37+34.32	Centerline of Janie Dr.	76.58	0.12	258	353	395
Harker Heights Tributary 3	HHT3-C	30+79.24	US Headwall of Ann Blvd Culvert	103.87	0.16	342	471	527
Harker Heights Tributary 3	HHT3-D	22+78.31	Centerline of VMB	144.26	0.23	479	660	740
Harker Heights Tributary 3	HHT3-E	19+44.04	DS of Building S. of Cox Dr.	149.35	0.23	497	684	766
Harker Heights Tributary 3	HHT3-F	17+25.11	Centerline of E. Valley Rd.	163.65	0.26	548	754	845
Harker Heights Tributary 3	HHT3-G	14+12.32	Centerline of Trunbo Rd.	174.69	0.27	586	805	903
Harker Heights Tributary 3	HHT3-H	10+99.55	Centerline of Ball Rd.	182.92	0.29	613	844	946
Harker Heights Tributary 3	HHT3-I	00+43.41	50' +/- US of Nolan Creek	193.13	0.30	645	888	995
Harker Heights Tributary 4	HHT4-A	N/A	2000' +/- Us of VMB	386.01	0.60	993	1435	1632
Harker Heights Tributary 4	HHT4-B	35+60.21	250' +/- US of VMB	507.88	0.79	1271	1851	2110
Harker Heights Tributary 4	HHT4-C	31+42.29	150' +/- DS of VMB	591.54	0.92	1517	2203	2508
Harker Heights Tributary 4	HHT4-D	00+03.06	Confluence with Nolan Creek	688.90	1.08	1770	2566	2921
Trimmier Creek Tributary	Carl Levin	52+39	At Carl Levin discharge	154.09	0.24	446	596	674
Trimmier Creek Tributary	TCT1	49+27	Upstream of Pioneer Trail	195.46	0.31	561	759	865
Trimmier Creek Tributary	TCT2a	40+59	At Cross Section 40+59	284.78	0.44	797	1097	1263
Trimmier Creek Tributary	TCT2b	35+07	Upstream of Eland Trail	299.39	0.47	835	1152	1329
Trimmier Creek Tributary	TCT3a	30+88	At Cross Section 30+88	393.78	0.62	1121	1552	1799
Trimmier Creek Tributary	TCT3b	25+66	At Cross Section 25+66	410.07	0.64	1158	1606	1864
Trimmier Creek Tributary	TCTL1	33+22	Upstream of Verna Lee Blvd.	195.30	0.31	406	583	703
Trimmier Creek Tributary	TCTL2a	24+24	Downstream of Verna Lee Blvd.	223.58	0.35	451	648	783
Trimmier Creek Tributary	TCTL2b	12+01	Upstream of Wildewood Dr.	271.66	0.42	550	793	957
Trimmier Creek Tributary	TCT & TCTL	20+61	At Confluence downstream of Wildewood Drive	681.73	1.07	1647	2318	2739
Trimmier Creek Tributary	TCT4	14+98	Upstream of FM 2410	732.05	1.14	1781	2509	2962
Trimmier Creek Tributary	CKL1a	32+45.75	Centerline of Cedar Knob Rd.	241.60	0.38	603	869	1001
Trimmier Creek Tributary	CKL1b	12+01.06	Centerline of FM 3481	446.33	0.70	1142	1640	1890
Trimmier Creek Tributary	CKL1c	-10+73.38		23.67	0.04	78	109	124
Trimmier Creek Tributary	TCT5	-10+73.38	Confluence of Cedar Knob Lat. and Trimmier Creek Trib.	1334.00	2.08	3390	4798	5492
Trimmier Creek Tributary	TCT6	-38+49.67	3000' +/- US of Confluence with Trimmier Creek	1633.86	2.55	4162	5906	6763
Trimmier Creek Tributary	TCT7	-69+96.95	Confluence with Trimmier Creek	1950.15	3.05	4886	6956	7979

**Table 1: Summary of Existing Discharges Continued**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	EXISTING PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Unnamed Tributary 1	UT1-A	20+78.54	Downstream of the Latana St. Cul-de-Sac	118.42	0.19	405	577	653
Unnamed Tributary 1	UT1-B	12+05.39	Old Nolanville Rd.	168.11	0.26	568	812	920
Unnamed Tributary 1	UT1-C	0+09.86	Confluence w/ Nolan Creek	181.60	0.28	614	877	993
Unnamed Tributary 2	UT2-A&B	17+50.72	650' DS of Pueblo Trace	368.60	0.58	999	1397	1573
Unnamed Tributary 2	UT2-C	0+04.00	Warriors Path	451.26	0.71	1206	1706	1927
Unnamed Tributary 2	UT2-D	N/A	Confluence with Nolan Creek Tributary	506.08	0.79	1342	1905	2154
Unnamed Tributary 3	UT3-A	15+74.63	Intersection of Quarry and Onyx	242.60	0.38	736	1044	1181
Unnamed Tributary 3	UT3-C	21+64.55	Centerline of FM 2410	241.06	0.38	824	1130	1266
Unnamed Tributary 3	UT3-B&D	55+42.57	Confluence of Two Branches of UT3 Approx 5550' US of Stillhouse Hollow Lake	665.53	1.04	2062	2912	3290
Unnamed Tributary 3	UT3-E	33+15.63	3315' +/- US of Stillhouse Hollow Lake	761.54	1.19	2226	3155	3569
Unnamed Tributary 3	UT3-F	7+13.13	Approx. Confluence with Stillhouse Hollow Lake	864.97	1.35	2442	3482	3945
Unnamed Tributary 4	UT4-A	23+37.07	1250' +/- US of FM 2410	124.23	0.19	323	483	554
Unnamed Tributary 4	UT4-B	10+92.00	Centerline of FM 2410	165.98	0.26	431	642	737
Unnamed Tributary 4	UT4-C	02+20.93	Approx. 800' DS of FM 2410	200.53	0.31	506	756	868
Unnamed Tributary 5	UT5-A	17+42.16	1000' +/- US of FM 2410	193.79	0.30	453	694	802
Unnamed Tributary 5	UT5-B	08+18.14	Centerline of FM 2410	240.84	0.38	544	834	965
Unnamed Tributary 5	UT5-C	02+20.93	500' +/- DS of FM 2410	247.30	0.39	554	850	983
Unnamed Tributary 6	UT6-A	14+16.43	925' +/- US of FM 2410	203.01	0.32	504	748	858
Unnamed Tributary 6	UT6-B	04+90.57	FM 2410	261.19	0.41	641	956	1097

A summary of the future peak discharge-location relationships for the selected recurrence intervals are presented in Table 2, "Summary of Future Discharges."

**Table 2: Summary of Future Discharges**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	DEVELOPED PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Acorn Creek Tributary	ACT-A	N/A	DS of US 190	86.49	0.14	364	500	559
Acorn Creek Tributary	ACT-B	N/A	430' +/- DS of Memory Lane Culvert	225.36	0.35	943	1285	1436
Acorn Creek Tributary	ACT-C	26+72.5	Centerline of Concho Trail	307.03	0.48	1186	1633	1829
Acorn Creek Tributary	ACT-D	06+72.73	475' +/- US of Mountain Lion Rd.	395.92	0.62	1479	2052	2304
Acorn Creek Tributary	ACT-E	01+72	Centerline of Mountain Lion Rd.	414.88	0.65	1521	2114	2377
Acorn Creek Tributary	ACT-F	N/A	725' +/- East of Memory Lane Culvert	70.54	0.11	297	402	448
Acorn Creek Tributary	ACT-G	- 12+85.82	1400' +/- DS of Mountain Lion Rd.	448.24	0.70	1592	2217	2494
Acorn Creek Tributary	ACT-H	- 34+27.27	600' +/- US of Acorn Creek Confluence (City Limit Line)	597.29	0.93	1931	2683	3015
Harker Heights Tributary 1	HHT1-A	60+65.52	Centerline of Frontier Trail	163.59	0.26	447	627	707
Harker Heights Tributary 1	HHT1-B	49+28.18	55' +/- US of U.S. 190 Culvert	200.11	0.31	550	769	865
Harker Heights Tributary 1	HHT1-C	40+28.00	175' +/- DS of U.S. 190 Culvert	253.72	0.40	722	1002	1126
Harker Heights Tributary 1	HHT1-D	06+21.12	Centerline of VMB	568.49	0.89	1479	2050	2303
Harker Heights Tributary 1	HHT1-E	02+64.93	400' +/- US of Nolan Creek	576.38	0.90	1494	2071	2326
Harker Heights Tributary 2	HHT2-A	89+17.54	125' +/- DS of Bluebird Dr.	80.53	0.13	251	354	400
Harker Heights Tributary 2	HHT2-B	05+74.76	135' +/- DS of Bluebird Dr.	44.18	0.07	197	272	305
Harker Heights Tributary 2	HHT2-C	73+77.26	Headwall of Culvert at Amy Lane	248.08	0.39	772	1130	1278
Harker Heights Tributary 2	HHT2-D	61+90.03	US Headwall of Robin Ln. Culvert	410.26	0.64	1297	1842	2072
Harker Heights Tributary 2	HHT2-E	55+57.83	Centerline of Beeline Lane	434.55	0.68	1365	1944	2188
Harker Heights Tributary 2	HHT2-F	52+19.44	Centerline of Clore Road	451.90	0.71	1404	2004	2256
Harker Heights Tributary 2	HHT2-G	34+19.24	3400' +/- US confluence with HHT1	522.30	0.82	1614	2304	2594
Harker Heights Tributary 2	HHT2-H	18+07.26	Centerline of VMB	593.39	0.93	1813	2592	2922
Harker Heights Tributary 2	HHT2-I	08+07.98	Centerline of E. 6th Ave.	615.85	0.96	1869	2671	3011
Harker Heights Tributary 2	HHT2-J	02+64.93	265' +/- US Nolan Creek	619.87	0.97	1875	2679	3020

**Table 2: Summary of Future Discharges Continued**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	DEVELOPED PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Harker Heights Tributary 3	HHT3-A	41+08.38	235' US of Centerline of Stacie Rd.	55.01	0.09	184	251	281
Harker Heights Tributary 3	HHT3-B	37+34.32	Centerline of Janie Dr.	76.58	0.12	258	353	395
Harker Heights Tributary 3	HHT3-C	30+79.24	US Headwall of Ann Blvd Culvert	103.87	0.16	342	471	527
Harker Heights Tributary 3	HHT3-D	22+78.31	Centerline of VMB	144.26	0.23	479	660	740
Harker Heights Tributary 3	HHT3-E	19+44.04	DS of Building S. of Cox Dr.	149.35	0.23	497	684	766
Harker Heights Tributary 3	HHT3-F	17+25.11	Centerline of E. Valley Rd.	163.65	0.26	548	754	845
Harker Heights Tributary 3	HHT3-G	14+12.32	Centerline of Trumbo Rd.	174.69	0.27	586	805	903
Harker Heights Tributary 3	HHT3-H	10+99.55	Centerline of Ball Rd.	182.92	0.29	613	844	946
Harker Heights Tributary 3	HHT3-I	00+43.41	50' +/- US of Nolan Creek	193.13	0.30	645	888	995
Harker Heights Tributary 4	HHT4-A	N/A	2000' +/- US of VMB	386.01	0.60	993	1435	1632
Harker Heights Tributary 4	HHT4-B	35+60.21	250' +/- US of VMB	507.88	0.79	1271	1851	2110
Harker Heights Tributary 4	HHT4-C	31+42.29	150' +/- DS of VMB	591.54	0.92	1517	2203	2508
Harker Heights Tributary 4	HHT4-D	00+03.06	Confluence with Nolan Creek	688.90	1.08	1770	2566	2921
Trimmier Creek Tributary	Carl Levin	5239	At Carl Levin discharge	154.09	0.24	464	612	676
Trimmier Creek Tributary	TCT1	4927	Upstream of Pioneer Trail	195.46	0.31	580	773	862
Trimmier Creek Tributary	TCT2a	4059	At Cross Section 40+59	284.78	0.44	829	1127	1266
Trimmier Creek Tributary	TCT2b	3507	Upstream of Eland Trail	299.39	0.47	872	1187	1334
Trimmier Creek Tributary	TCT3a	3088	At Cross Section 30+88	393.78	0.62	1162	1590	1793
Trimmier Creek Tributary	TCT3b	2566	At Cross Section 25+66	410.07	0.64	1201	1646	1857
Trimmier Creek Tributary	TCTL1	3322	Upstream of Verna Lee Blvd.	195.30	0.31	428	609	700
Trimmier Creek Tributary	TCTL2a	2424	Downstream of Verna Lee Blvd.	223.58	0.35	479	684	785
Trimmier Creek Tributary	TCTL2b	1201	Upstream of Wildewood Dr.	271.66	0.42	579	829	955
Trimmier Creek Tributary	TCT & TCTL	2061	At Confluence downstream of Wildewood Drive	681.73	1.07	1723	2403	2733
Trimmier Creek Tributary	FM 2410	1498	Upstream of FM 2410	732.05	1.14	1872	2607	2965
Trimmier Creek Tributary	CKL1a	3245.75	Centerline of Cedar Knob Rd.	241.60	0.38	654	919	1051
Trimmier Creek Tributary	CKL1b	1201.06	Centerline of FM 3481	446.33	0.70	1234	1731	1978
Trimmier Creek Tributary	CKL1c	-10+73.38		23.67	0.04	84	115	130
Trimmier Creek Tributary	TCT5	-10+73.38	Confluence of Cedar Knob Lat. and Trimmier Creek Trib.	1334.00	2.08	3490	4895	5587
Trimmier Creek Tributary	TCT6	-38+49.67	3000' +/- US of Confluence with Trimmier Creek	1633.86	2.55	4278	6017	6874
Trimmier Creek Tributary	TCT7	-69+96.95	Confluence with Trimmier Creek	1950.15	3.05	5002	7069	8088

**Table 2: Summary of Future Discharges Continued**

FLOODING SOURCE	SUBBASIN	RS	LOCATION DESCRIPTION	DRAINAGE AREA (ACRE)	DRAINAGE AREA (SQ. MILE)	EXISTING PEAK DISCHARGES (CFS)		
						10% Annual Chance	2% Annual Chance	1% Annual Chance
Unnamed Tributary 1	UT1-A	20+78.54	Downstream of the Latana St. Cul-de-Sac	118.42	0.19	405	577	653
Unnamed Tributary 1	UT1-B	12+05.39	Old Nolanville Rd.	168.11	0.26	568	812	920
Unnamed Tributary 1	UT1-C	0+09.86	Confluence w/ Nolan Creek	181.60	0.28	614	877	993
Unnamed Tributary 2	UT2-A&B	17+50.72	650' DS of Pueblo Trace	368.60	0.58	1010	1408	1583
Unnamed Tributary 2	UT2-C	0+04.00	Warriors Path	451.26	0.71	1262	1761	1981
Unnamed Tributary 2	UT2-D	N/A	Confluence with Nolan Creek Tributary	506.08	0.79	1413	1976	2225
Unnamed Tributary 3	UT3-A	15+74.63	Intersection of Quarry and Onyx	242.60	0.38	736	1044	1181
Unnamed Tributary 3	UT3-C	21+64.55	Centerline of FM 2410	241.06	0.38	835	1140	1275
Unnamed Tributary 3	UT3-B&D	55+42.57	Confluence of Two Branches of UT3 Approx 5550' US of Stillhouse Hollow Lake	665.53	1.04	2139	2989	3365
Unnamed Tributary 3	UT3-E	33+15.63	3315' +/- US of Stillhouse Hollow Lake	761.54	1.19	2320	3249	3659
Unnamed Tributary 3	UT3-F	7+13.13	Approx. Confluence with Stillhouse Hollow Lake	864.97	1.35	2560	3599	4058
Unnamed Tributary 4	UT4-A	23+37.07	1250' +/- US of FM 2410	124.23	0.19	400	561	632
Unnamed Tributary 4	UT4-B	10+92.00	Centerline of FM 2410	165.98	0.26	543	754	847
Unnamed Tributary 4	UT4-C	02+20.93	Approx. 800' DS of FM 2410	200.53	0.31	642	891	1001
Unnamed Tributary 5	UT5-A	17+42.16	1000' +/- US of FM 2410	193.79	0.30	588	834	943
Unnamed Tributary 5	UT5-B	08+18.14	Centerline of FM 2410	240.84	0.38	715	1012	1143
Unnamed Tributary 5	UT5-C	02+20.93	500' +/- DS of FM 2410	247.30	0.39	729	1031	1165
Unnamed Tributary 6	UT6-A	14+16.43	925' +/- US of FM 2410	203.01	0.32	588	834	943
Unnamed Tributary 6	UT6-B	04+90.57	FM 2410	261.19	0.41	744	1059	1199



### 3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were performed to provide estimates of the elevations of floods of the selected recurrence intervals 10-year, 50-year, and 100-year. This was accomplished using the United States Army Corps of Engineers computer software, HEC-RAS “Hydraulic Engineering Center – River Analysis System version 4.1.0.”<sup>9</sup>

Cross sections of each studied channel were created from field survey completed by Walker Partners (2013), and supplemented with the City of Harker Heights planimetric aerial topographic maps. The cross sections were digitally created using AutoDesk’s product Autocad Civil 3D. The locations of the cross sections used in the hydraulic analyses are shown in Figures CE100’s, “*Calculated Existing 100-year Floodplain Maps*” tab.

Furthermore, the hydraulic analysis for this study was based on unobstructed, steady state, and subcritical flow. Therefore, the determined flood elevations are valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

Channel roughness factors (Manning’s “n”) used in the hydraulic computations were chosen based on field observations and using Section 6.3.0, “Manning’s Roughness Coefficients,” and Table 6-1, “Computation of Composite Roughness Coefficient,” of the City of Austin, Texas Drainage Criteria Manual (April 2009).<sup>1</sup> Channel “n” values varied greatly throughout the studied area. The channel “n” values used for Acorn Creek Tributary, Harker Heights Tributary, Trimmier Creek, and Unnamed Tributary basins were: 0.050 to 0.055; 0.013 to 0.065; 0.017 to 0.081; 0.033 to 0.075, respectively. Overbank “n” values for all reaches varied depending on the existence of vegetation, condition, and type of development present.

Water surface elevations of floods of the selected recurrence intervals were computed using the aforementioned modeling software HEC-RAS.<sup>9</sup> When available, the downstream water surface elevation from the previously published FEMA Flood Insurance Study (FIS)<sup>11</sup> water surface profiles were utilized for boundary conditions within the HEC-RAS model. When evaluating downstream water surface elevations, Frequencies of Coincidental Occurrence criteria was applied, using methodology described in the Texas Department of Transportation; Hydraulic Design Manual<sup>5</sup>. The existing water surface elevations were used for all four of the Harker Heights Tributary basins. Existing water surface profiles were not available for the remaining basin. In these cases, the boundary condition utilized was normal depth in the furthest downstream cross section, to establish the starting water surface elevation.

Flood profiles were generated showing computed water surface elevations for the 100-year flood and are presented in Appendix D, “Flood Profiles.” In addition, the cross sections with generated water surface elevations for the 100-year flood are presented in Appendix C, “Cross Sections.” All elevations are referenced from the North American Vertical Datum (NAVD) of 1988. Finally, the computed existing and future 100-year floodplain delineated on the City of Harker Heights planimetric topographic maps is shown in Figure CE100’s, “*Calculated Existing 100-year Floodplain Maps*”.

#### 4.0 Proposed Capital Improvements

This list of capital improvement projects (CIP) was developed from analyzing the results of the hydrologic and hydraulic modeling performed as part of this study. As well as, from historical knowledge of localized flooding problems that has occurred in the past. Correspondence with the City of Harker Heights Public Works Department also was taken into consideration, when developing this CIP list, to address the City's infrastructure and safety needs.

##### 4.1 CIP #1

*Recommended Improvements:* Goode-Connell Park Regional Detention Pond Improvement

*Description of Improvement:* Excavate and reshape existing park and soccer fields interior of the existing hike and bike trail, to increase stormwater storage of pond in order to reduce the outflow of the pond. The reduction of outflow will improve downstream channel and floodplain conditions. The geographic and topographic location of this site is ideal for a regional detention facility. The site is located in the upper third of the water shed, which typically provides the best possible results for properly designed detention facilities.

*Engineers Opinion of Probable Cost:* \$846,066.00

##### 4.2 CIP #2

*Recommended Improvements:* Proposed Drainage Outlet Channel from Indian Oaks Drive to Clore Road

*Description of Improvements:* The proposed project would be located near the outfall of the Market Heights Shopping Center onto Indian Oaks Drive to Clore Road on Harker Heights Tributary 2. The Improvements would include increasing the channel section to a 16' flat bottom concrete lined channel with 1:1 (H:V) side slopes, between Amy Lane to Clore Road. The improvements would include culvert improvements to the existing culvert crossings at Clore Road, Beeline Road, Robin Lane, and Amy Lane. The Amy Lane improvements will be constructed during the Amy Lane road reconstruction project. Storm Drain improvements will also be incorporated to this project to reduce localized nuisance flooding Cherokee Drive, Elbert Lane, and Cardinal Lane. The improvements would increase the hydraulic capacities of the channels and culverts and reduce the 100-year floodplain and impact on the surrounding properties. Portions of the recommended improvements were not modeled in this study, but were identified as a localized drainage nuisance, and included in this CIP list for budgetary purposes.

The completion of CIP #1 and CIP #2 will have marked improvement for the Harker Heights Tributary 2 - 100-year floodplain downstream of Amy Lane.

*Engineers Opinion of Probable Cost:*

*Phase 1 Project Name with Engineers Opinion of Probable Cost:*

- Culvert and Concrete Channel Improvement - Clore Road to Downstream of Beeline - \$210,356.25

*Phase 2 Project Name with Engineers Opinion of Probable Cost:*

- Culvert and Concrete Channel Improvement - Beeline Road to Downstream of Robin - \$275,993.75

*Phase 3 Project Name with Engineers Opinion of Probable Cost:*

- Culvert and Concrete Channel Improvement - Robin Road to Downstream of Amy - \$463,356.25

*Phase 4 Project Name with Engineers of Probable Cost:*

- Drainage Outlet Channels – Indian Oaks Drive to Clore Road - \$768,939.25

4.3 CIP #3

*Recommended Improvements:* Regional Detention Pond Harker Heights High School

*Description of Improvements:* The proposed regional detention pond embankment and outflow structure are located about 1,200 feet upstream of Verna Lee Blvd. The pond has a maximum embankment height of six feet and a top width of 12 feet which is sufficient for vehicular access. The pond impounds 13 acre-feet of storage volume over an area of 4.3 acres at Elevation 775. The pond outlet structure consists of one 18” pipe (the bottom of the pond), and three 6’ x 3’ box culverts.

The proposed regional detention pond is designed to detain the 100-year storm event from the fully developed watershed and not overtop the embankment.

*Engineers Opinion of Probable Cost:* \$473,947.00

4.4 CIP #4

*Recommended Improvements:* Tanglewood Drive & Thoroughbred Subdivision Drainage Project

*Description of Improvements:* An underground storm drainage system is proposed from the natural drainage way west of the intersection of Man-O-War Drive and Old Nolanville Road south along Man-O-War Drive to the existing flume that discharges into Man-O-War Drive from Tanglewood Drive. The existing flume in Tanglewood Drive is severely undersized as well as the existing flume. Runoff currently exceeds the carrying capacity of these structures and enters the residences at the low point in Tanglewood Drive. The proposed project will relieve the drainage issues at the low point in Tanglewood Drive as well as lower the depth of runoff being carried in Man-O-War Drive by adding curb inlets located at strategic points to capture runoff and convey it into the proposed underground storm sewer conduit. The project will improve not only drainage problems, but also protect the integrity of the streets and prevent future pavement failures. The project will eliminate point discharges into the streets and allow for the removal of existing poorly performing flumes.

The recommended improvements were not modeled in this study, but were identified as a localized drainage nuisance, and included in this CIP list for budgetary purposes.

*Engineers Opinion of Probable Cost:* \$672,273.00

#### 4.5 CIP #5

*Recommended Improvements:* Christina Circle Drainage Improvements

*Description of Improvements:* Replace the existing flume in Christina circle with wider and deeper flume to add capacity. In addition, the paved surface of the existing cul-de-sac should be reconstructed to direct the runoff to the larger proposed flume. This will require some reconstruction of the existing curb and gutter so that the flow will be directed to the proposed flume instead of the existing driveways, thus making the flume more efficient and lowering the water surface to prevent runoff from entering the driveways and residential structures.

The recommended improvements were not modeled in this study, but were identified as a localized drainage nuisance, and included in this CIP list for budgetary purposes.

*Engineers Opinion of Probable Cost:* \$46,683.00

#### 4.6 CIP #6

*Recommended Improvements:* Indian Trail Downstream Channel Improvements

*Description of Improvements:* The proposed project will enlarge the existing drainage channel from Indian Trail to the U.S. 190 Frontage Road. The existing channel will be enlarged, shaped and lined to increase its capacity as well as prevent scour that is currently occurring at the existing bends of the channel alignment. The proposed channel lining can be either reinforced concrete or interlocking concrete revetment block lining

The recommended improvements were not modeled in this study, but were identified as a localized drainage nuisance, and included in this CIP list for budgetary purposes.

*Engineers Opinion of Probable Cost:* \$174,549.00

#### 4.7 CIP #7

*Recommended Improvements:* Trimmier Creek Tributary Improvements

*Description of Improvements:* A drainage study was previously performed on Trimmier Creek Tributary in December 2009. The previous study was titled "Trimmier Creek Tributary Drainage Study". Several improvements were recommended as part two phases. Each phase prioritized projects, in order of function and benefit. It is recommended that the previously outlined projects be implemented. Please note that construction of CIP #3 in this list, may reduce the need to construct portions of the projects listed under Phase 2 below. The project lists and costs are shown below:

*Phase 1 Project Name with Engineers Opinion of Probable Cost:*

- Proposed Channel Improvement Downstream of FM2410 - \$153,183.03
- Proposed Improvement Upstream of FM2410 - \$418,489.50
- Proposed Channel Improvement Downstream of Eland Trail - \$421,614.05
- Proposed Culvert Improvement under Eland Trail - \$101,786.88

*Phase 2 Project Name with Engineers Opinion of Probable Cost:*

- Proposed Culvert Improvement under Wildewood Drive - \$166,839.01
- Proposed Improvement Upstream of Wildewood Drive - \$480,445.68

4.8 CIP #8

*Recommended Improvements:* Old Nolanville Road Drainage Improvements

*Description of Improvements:* Remove and replace the existing 72" corrugated metal pipe with reinforced concrete pipe, as well as, add a second 72" reinforced concrete pipe. The culvert improvements would increase the culvert capacity and decrease the current headwater conditions. The reduced headwater would prevent the roadway from being overtopped during the 50-year and 100-year storm events, allowing the roadway to remain passable.

*Engineers Opinion of Probable Cost:* \$156,582.00

4.9 CIP #9

*Recommended Improvements:* Harker Heights Tributary 1 Drainage Improvements

*Description of Improvements:* Add a 10' x 10' reinforced concrete box culvert to the existing culvert crossing Business U.S.190/Veterans Memorial Boulevard (VMB). The added capacity of the additional box culvert will lower the headwater elevation, and prevent the roadway from overtopping during a 100-year storm event.

In addition to the culvert improvements at VMB, channel improvements are recommended between VMB and Clore Road and between Clore Road and U.S. 190. The channel improvements between VMB and Clore Road would include re-grading and improving the current channel section to a 25' flat bottom earthen channel with 4:1 (H:V) side slopes. The recommended channel improvements between Clore Road and U.S. 190 would include re-grading and improving the current channel section to a 15' flat bottom earthen channel with 4:1 (H:V) side slopes. The recommended improvements will help channelize the stormwater runoff and decrease the extents of the 100-year floodplain.

*Engineers Opinion of Probable Cost:* \$379,807.00

4.10 CIP #10

*Recommended Improvements:* Warriors Path Drainage Improvements

*Description of Improvements:* This recommendation is to provide a defined drainage channel through the existing undeveloped property west of Warriors Path, as well as, provide for an improved drainage structure underneath Warriors Path. These improvements are recommended, but not described in detail. The reason for this, is that the future channel alignment will be dictated by the platting and development of the property. The drainage structure will need to be designed as part of the Warriors Path roadway improvements. Final design of roadway improvements will govern the length and dimensions of the proposed drainage structure. Also, the roadway itself will likely be elevated through this area and that will also size of the structure as well as cost. It is recommended that the City differ design and construction of the drainage

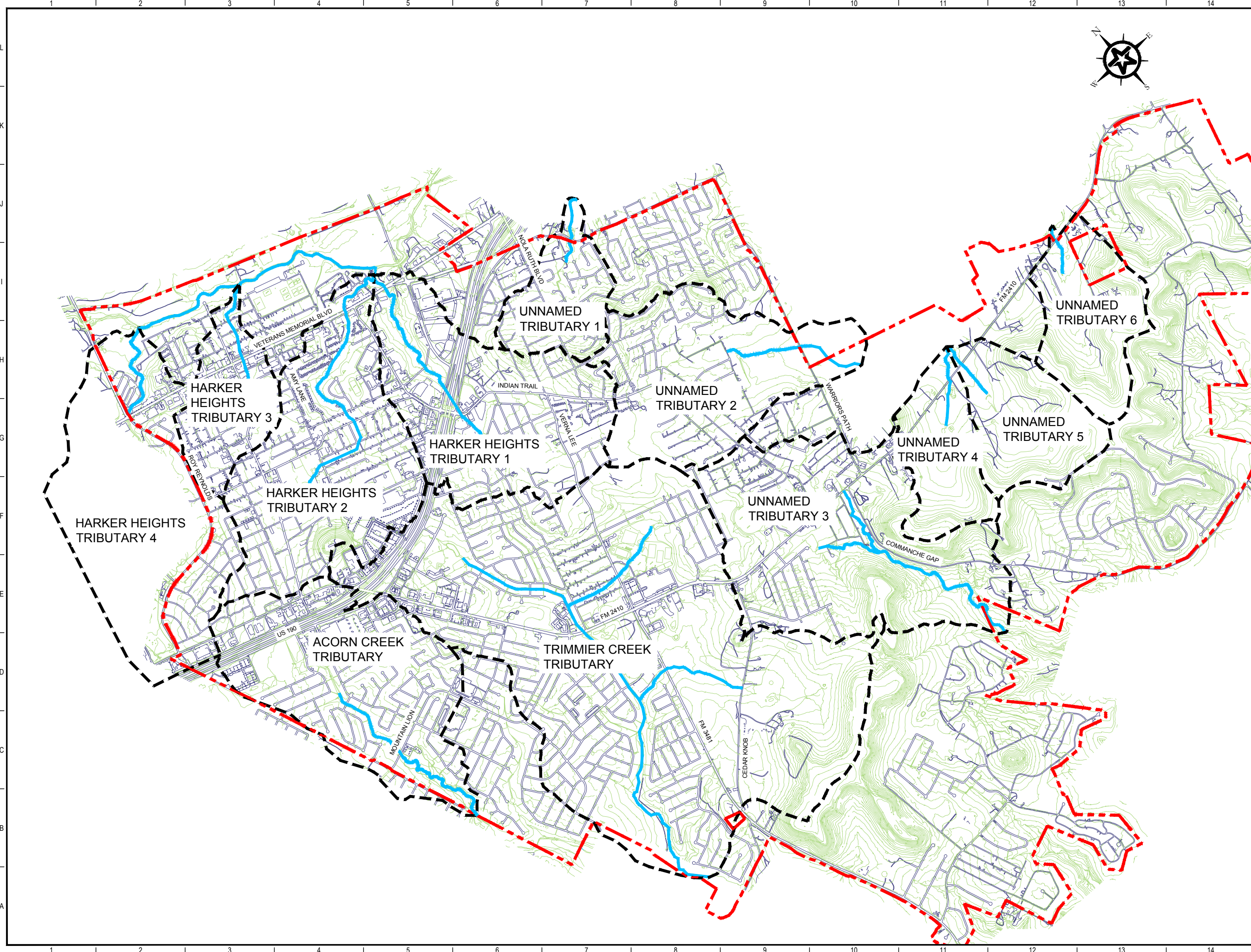
structure to be included in the final design phase of the Warriors Path roadway improvements. It is also recommended that the Developer make design and construct any necessary channel improvements as part of the development. Being on the downstream end of the watershed, the developer will be required to size and construct a channel whose drainage area is mostly upstream and not on this property. The developed portion of this watershed, however, will benefit from the construction of this proposed project. The culvert and downstream property owners will also benefit from the completed project.

*Engineers Opinion of Probable Cost: To Be Determined*

## 5.0 **BIBLIOGRAPHY AND REFERENCES**

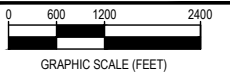
- <sup>1</sup>City of Austin, Drainage Criteria Manual, Section 6.3.0 “Manning’s Roughness Coefficients.” Austin, Texas, April 2009.
- <sup>2</sup>City of Harker Heights, Drainage Criteria Manual. Harker Heights, Texas, 23 September 2014.
- <sup>3</sup>City of Harker Heights, Future Land Use Plan Map. Harker Heights, Texas, 9/19/2013. prepared by City of Harker Heights.
- <sup>4</sup>Ferguson, Jimmy. "City workers battle flooding." 11 Aug. 2005., accessed 18 September 2014. [http://kdhnews.com/city-workers-battle-flooding/article\\_1018af84-6077-5f63-b22b-6cd938bbfc20.html](http://kdhnews.com/city-workers-battle-flooding/article_1018af84-6077-5f63-b22b-6cd938bbfc20.html)
- <sup>5</sup>Texas Department of Transportation (TxDOT), Hydraulic Design Manual., Chapter 5 – Hydrology “Frequencies of Coincidental Occurrence.” March 2004.
- <sup>6</sup>"State and County Quick Facts; Harker Heights, Texas.", accessed 19 September 2014. <http://quickfacts.census.gov/qfd/states/48/4832312.html>
- <sup>7</sup>U.S. Department of Agriculture, Natural Resources Conservation Service. National Engineering Handbook, Part 630, Hydrology, September 1997.
- <sup>8</sup>U.S. Department of Agriculture, Natural Resources Conservation Service. Technical Release 55, June 1986.
- <sup>9</sup>U.S. Army Corps of Engineers, Hydrologic Engineering Center. HEC-RAS River Analysis System, Version 4.1.0, January 2010.
- <sup>10</sup>U.S. Army Corps of Engineers, Hydrologic Engineering Center. Hydrologic Modeling System HEC-HMS, Version 3.5, December 2013.
- <sup>11</sup>UFederal Emergency Management Agency (FEMA). Flood Insurance Study (FIS) – Bell County, Texas, September 2008.

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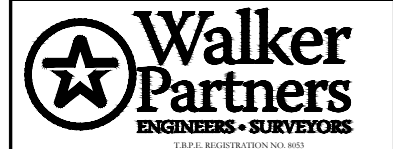


**MAP LEGEND**

- DRAINAGE BASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT



REV.	DESCRIPTION	DATE



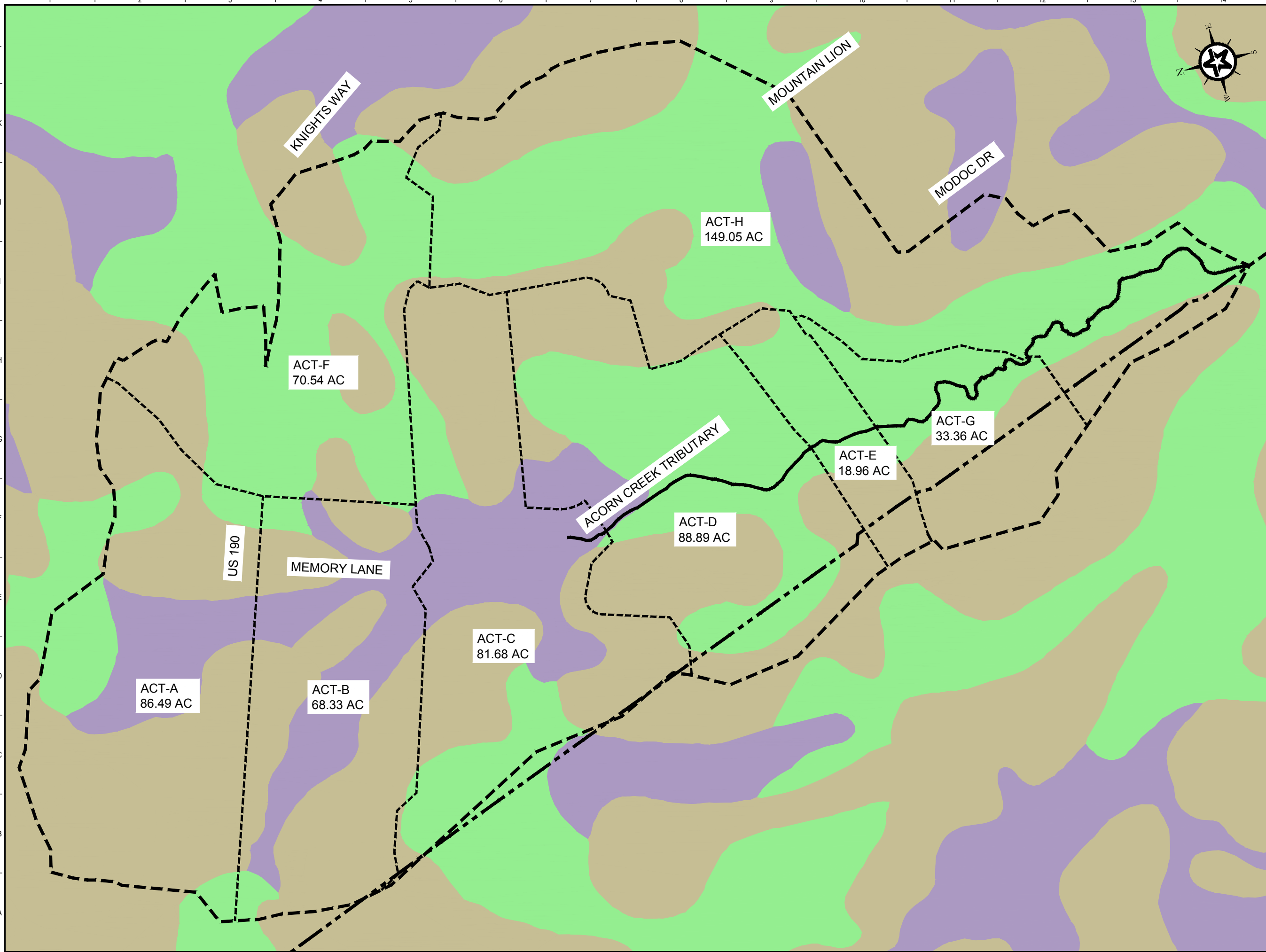
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**OVERALL DRAINAGE BASIN LAYOUT**

**PRELIMINARY FOR REVIEW ONLY**

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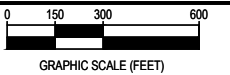


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**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



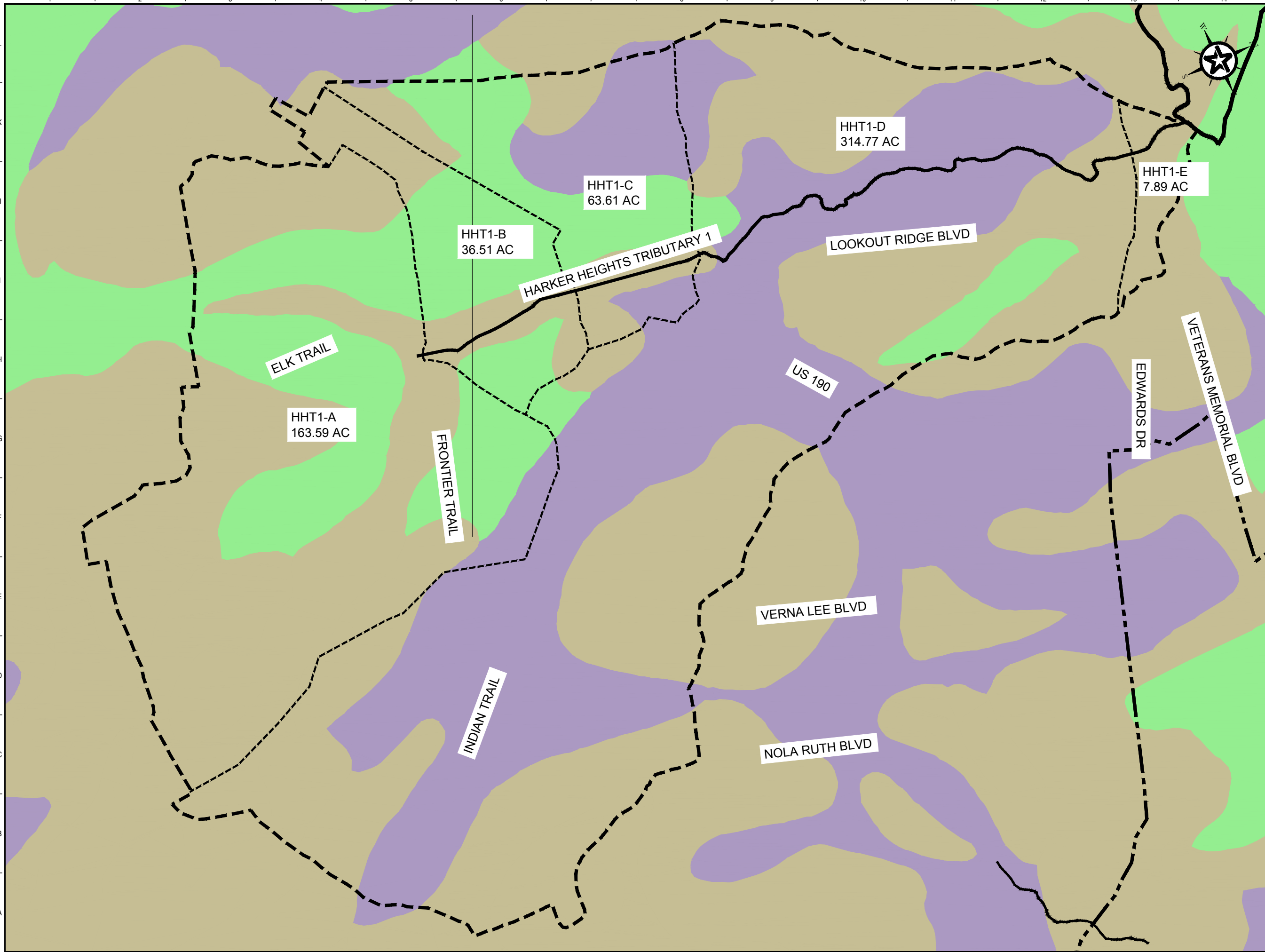
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**ACORN CREEK TRIBUTARY**

**PRELIMINARY FOR REVIEW ONLY**

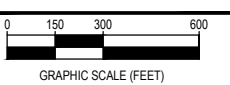
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>S100</b>

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG - S101 HARKER HEIGHTS TRIBUTARY 1 - 4/17/2015 9:43:32 AM - kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE

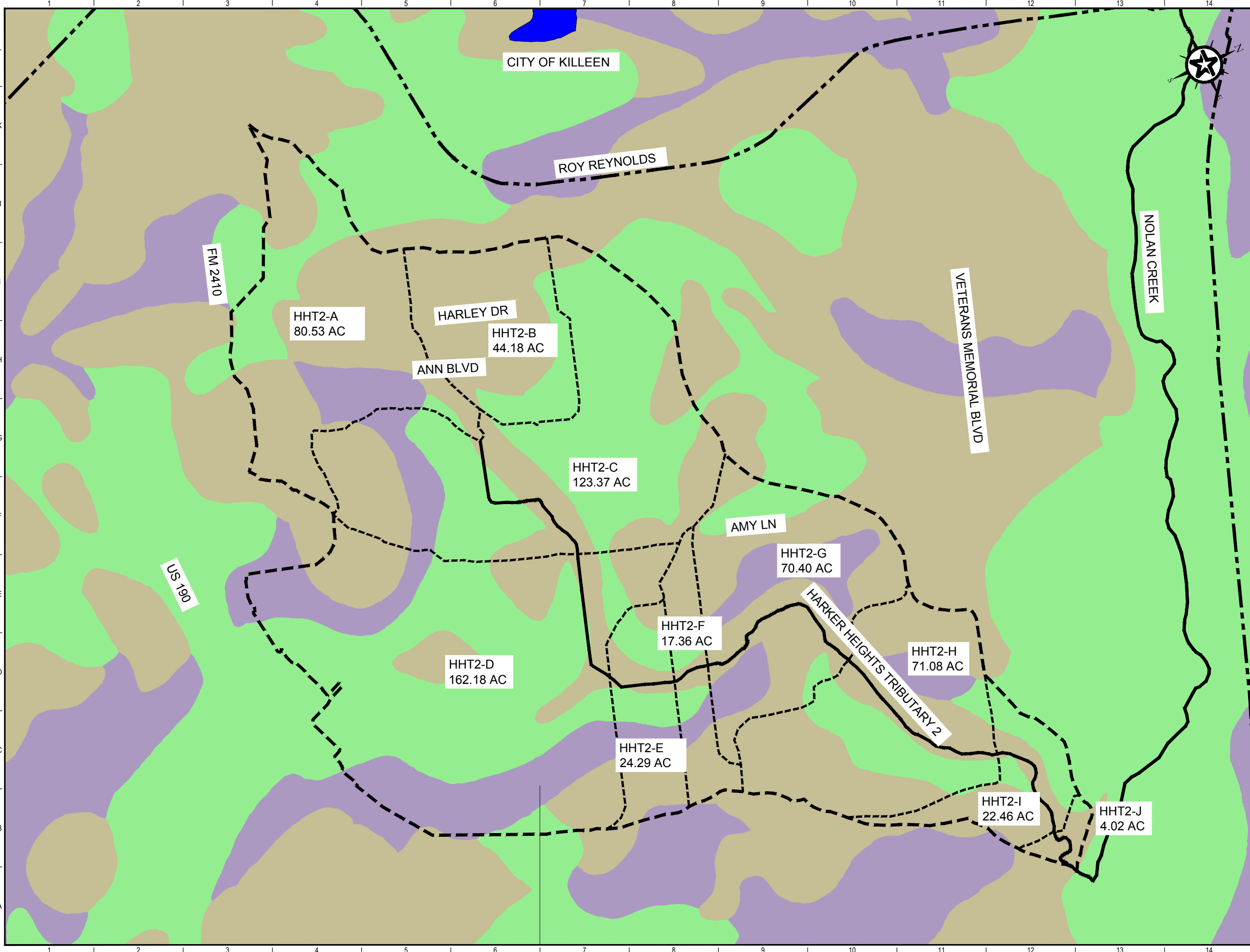


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 1**

PRELIMINARY FOR REVIEW ONLY	
DESIGNED	OEW
DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366
FIGURE:	<b>S101</b>

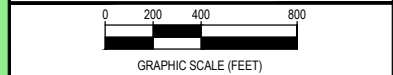
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G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 5102 HARKER HEIGHTS TRIBUTARY 2, 4/17/2015 9:44:16 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE

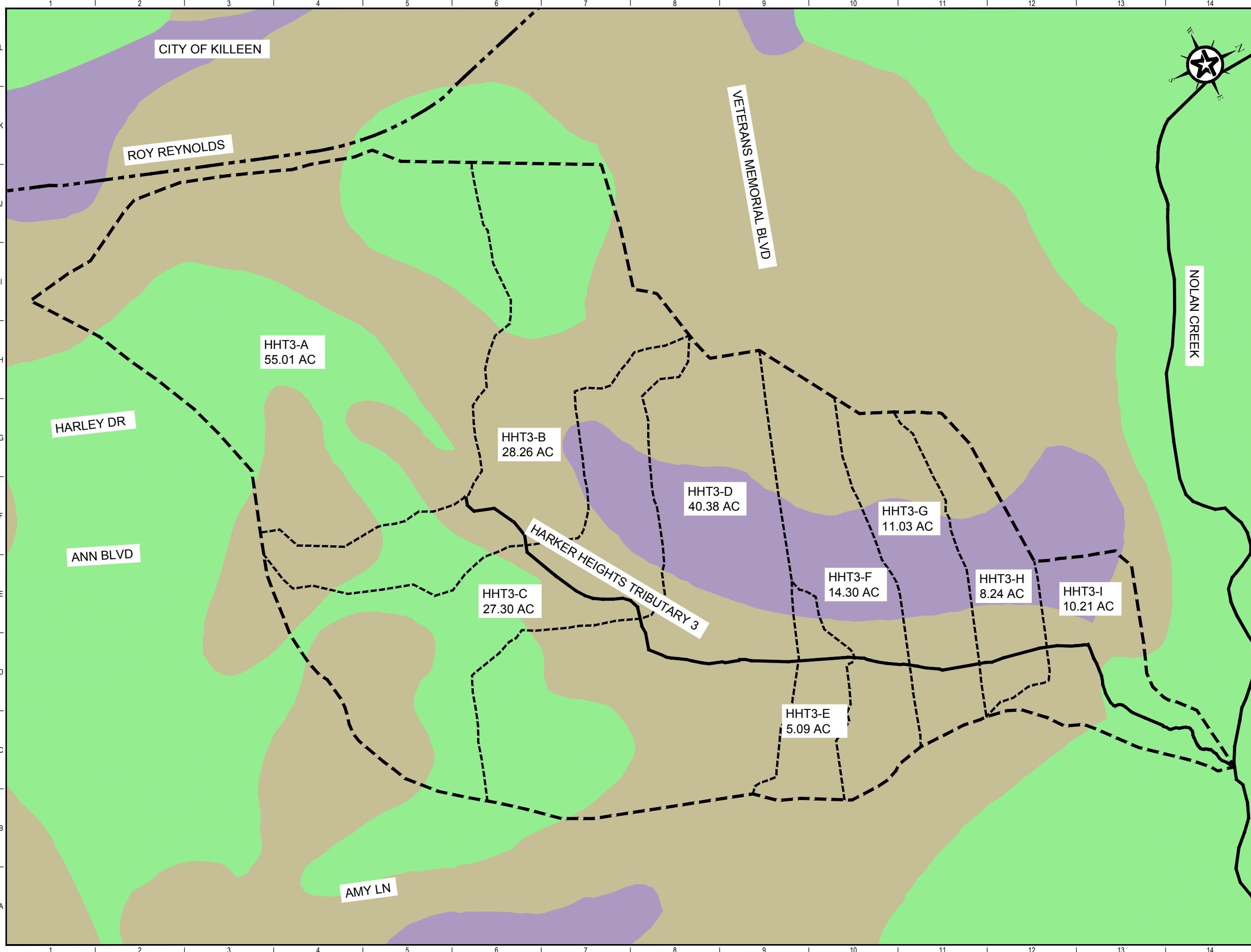


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 2**

**PRELIMINARY FOR REVIEW ONLY**

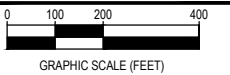
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
FIGURE:		<b>S102</b>

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 5103 HARKER HEIGHTS TRIBUTARY 3, 4/17/2015 9:43:54 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE

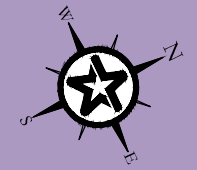
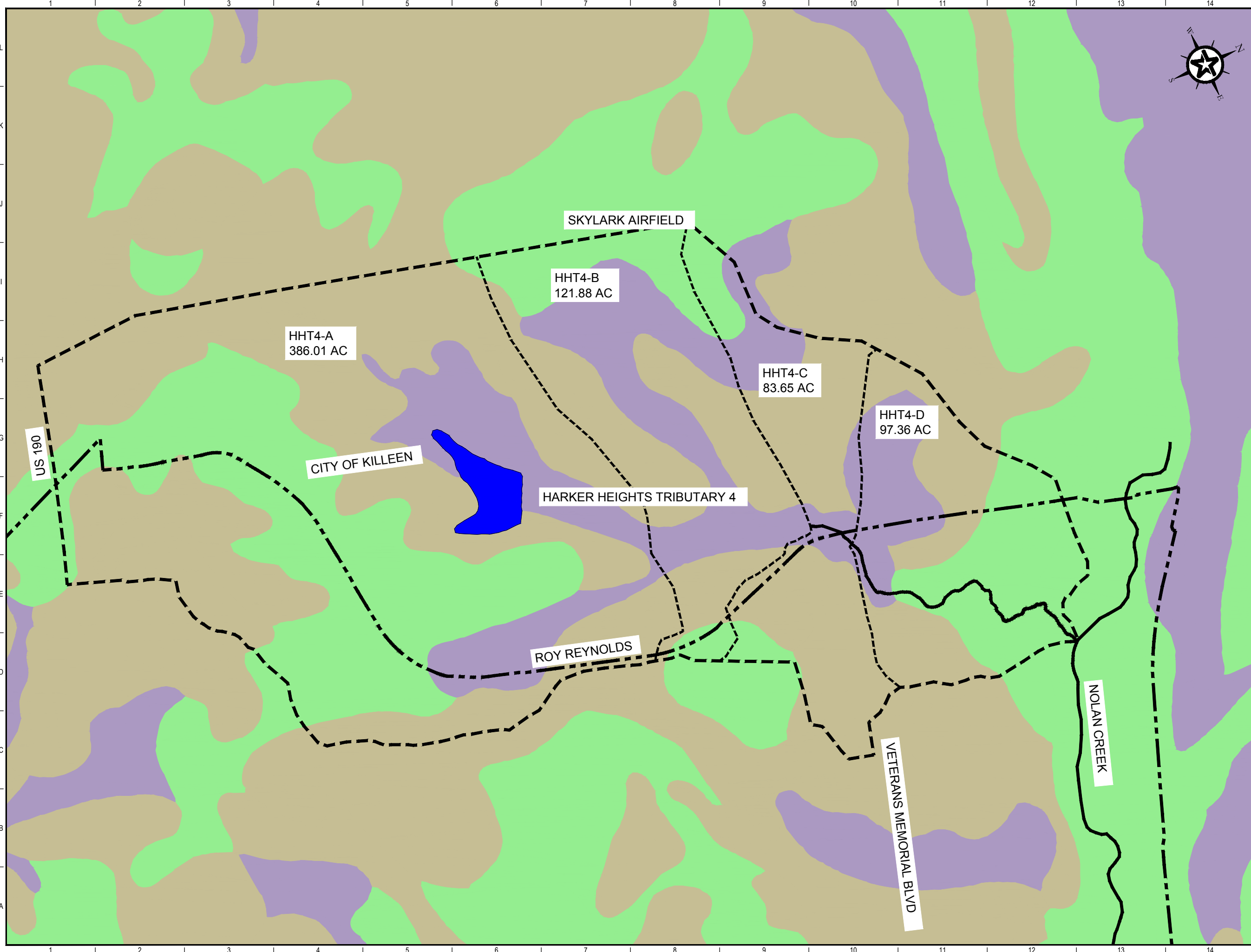


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 3**

**PRELIMINARY FOR REVIEW ONLY**

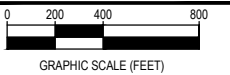
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
FIGURE:		<b>S103</b>

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:44:36 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE

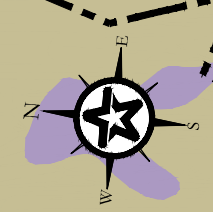
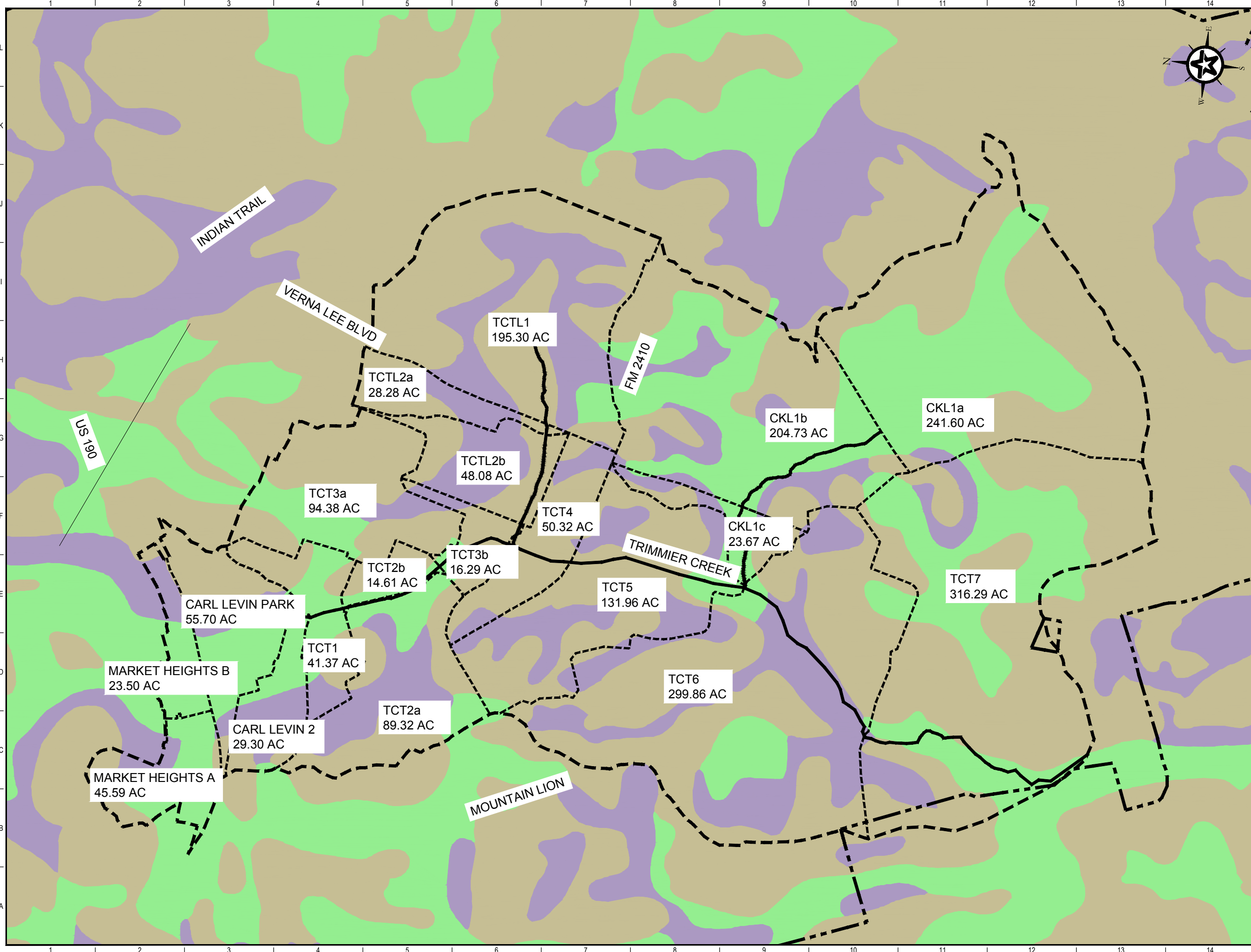


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 4**

**PRELIMINARY FOR REVIEW ONLY**

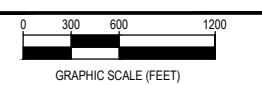
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>S104</b>

G:\PROJECTS\2-01366\DWG\2-01366\_SOIL\_MAPS EXHIBITS.DWG, 4/17/2015 9:44:57 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**TRIMMIER CREEK TRIBUTARY**

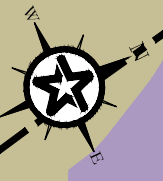
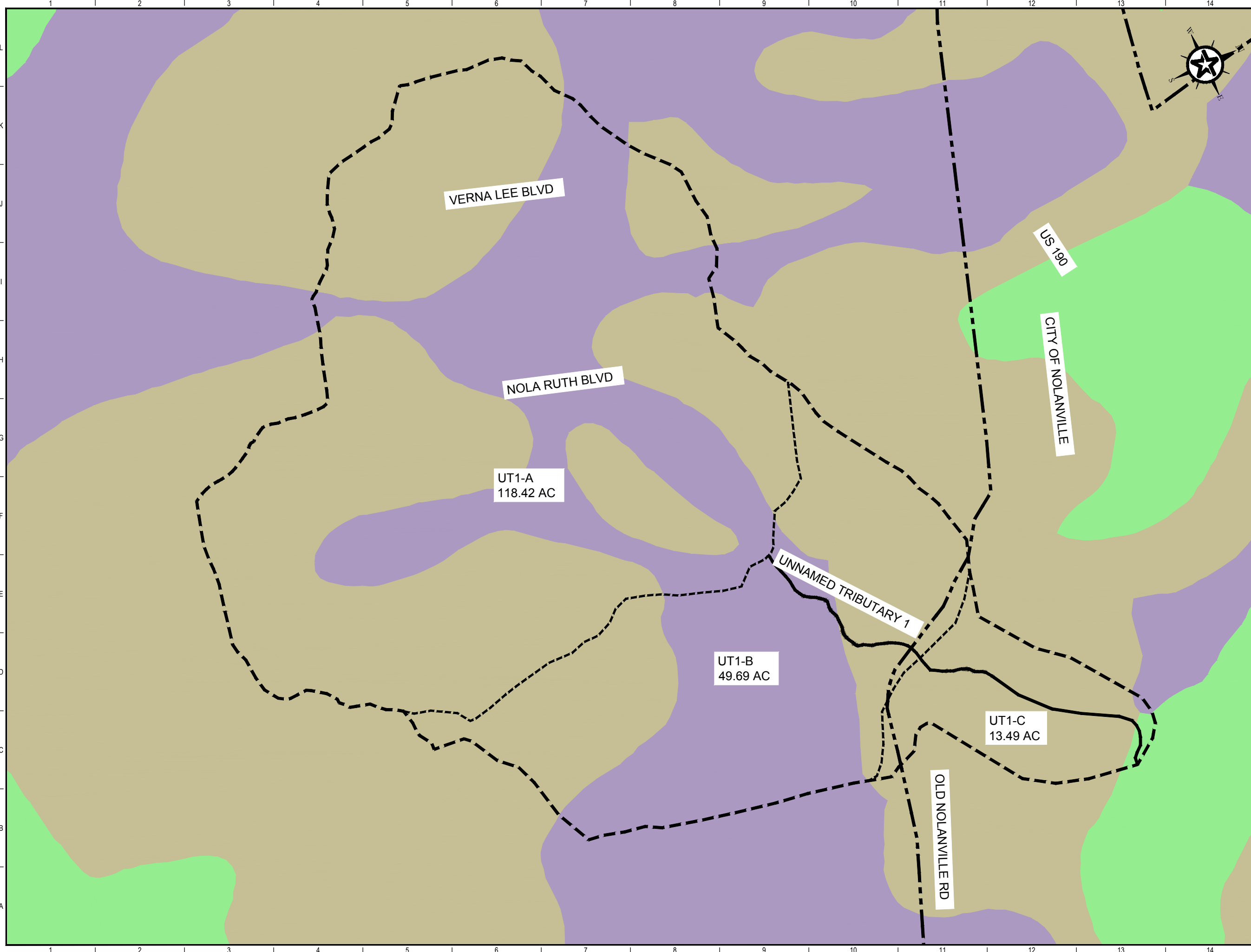
**PRELIMINARY FOR REVIEW ONLY**

DESIGNED	OEW
DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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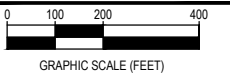
FIGURE:  
**S105**

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:45:16 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS  
DRAINAGE MASTER PLAN**

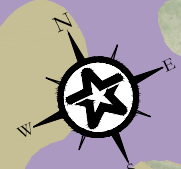
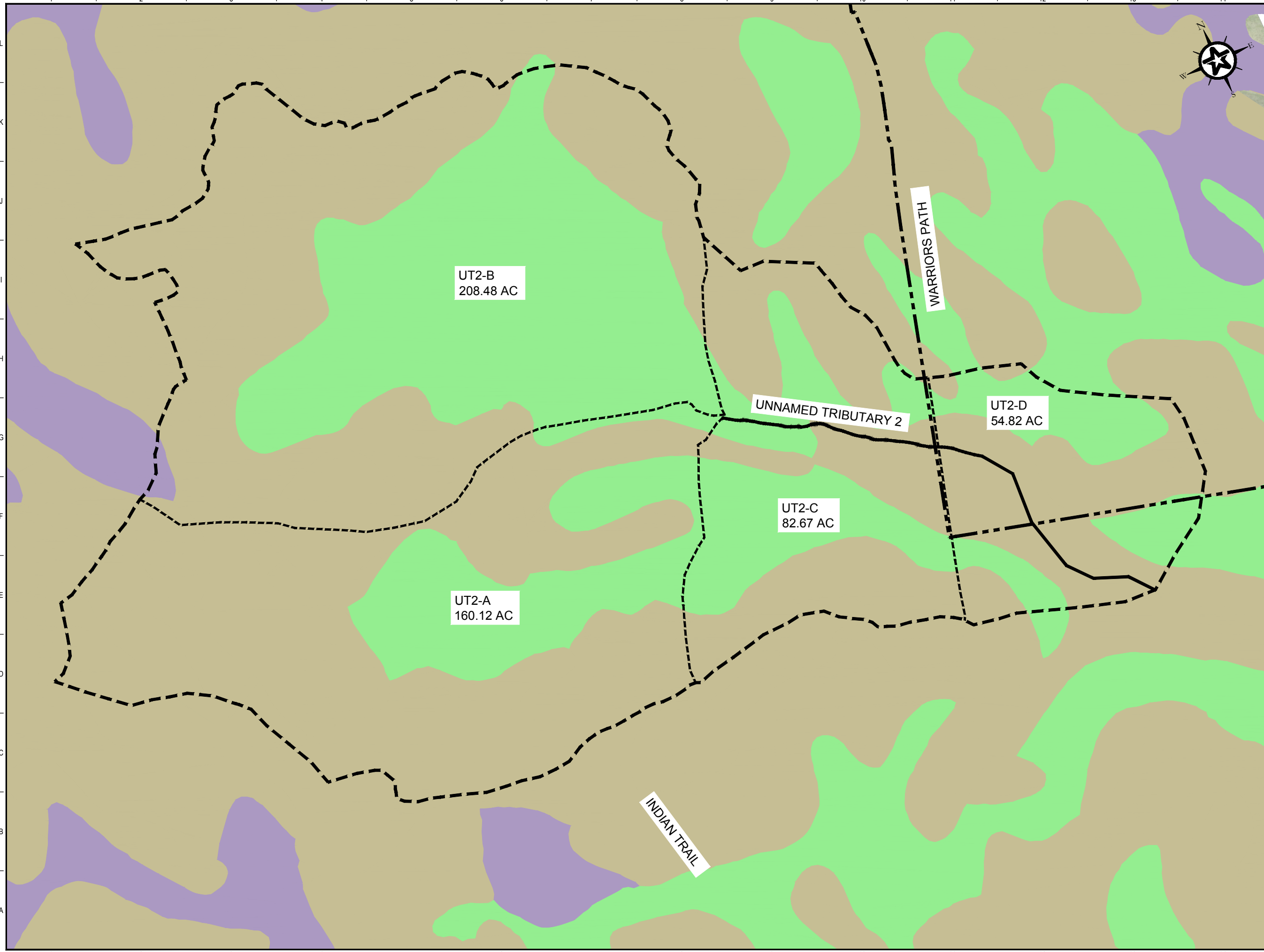
**UNNAMED TRIBUTARY 1**

**PRELIMINARY  
FOR REVIEW ONLY**

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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366

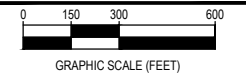
FIGURE:  
**S106**

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:45:39 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

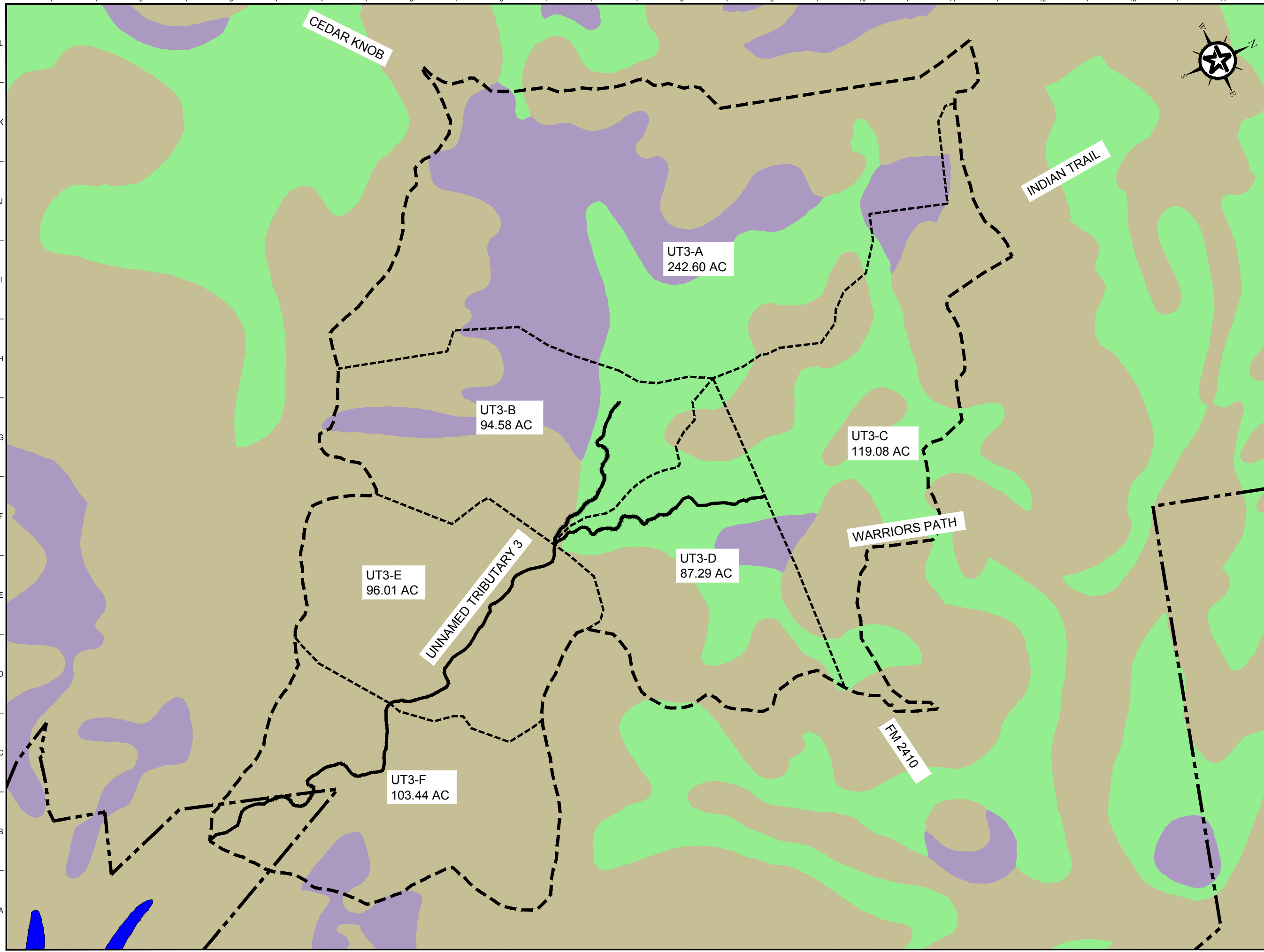
**UNNAMED TRIBUTARY 2**

**PRELIMINARY FOR REVIEW ONLY**

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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>S107</b>

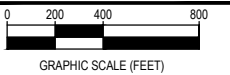


G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 5108 UNNAMED TRIBUTARY 3, 4/17/2015 9:46:00 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



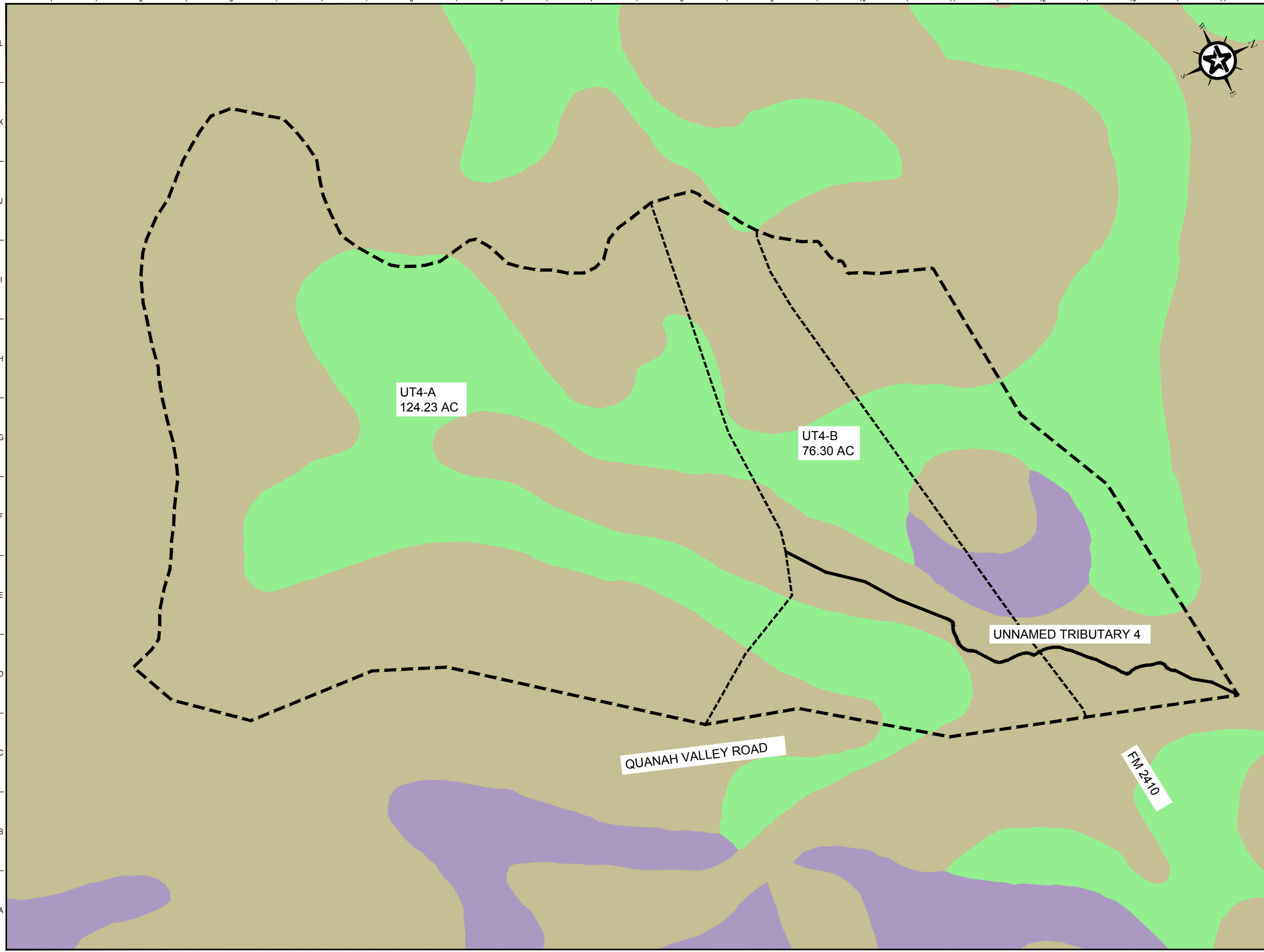
**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS  
DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 3**

**PRELIMINARY  
FOR REVIEW ONLY**

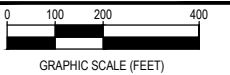
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	S108

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:46:17 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE

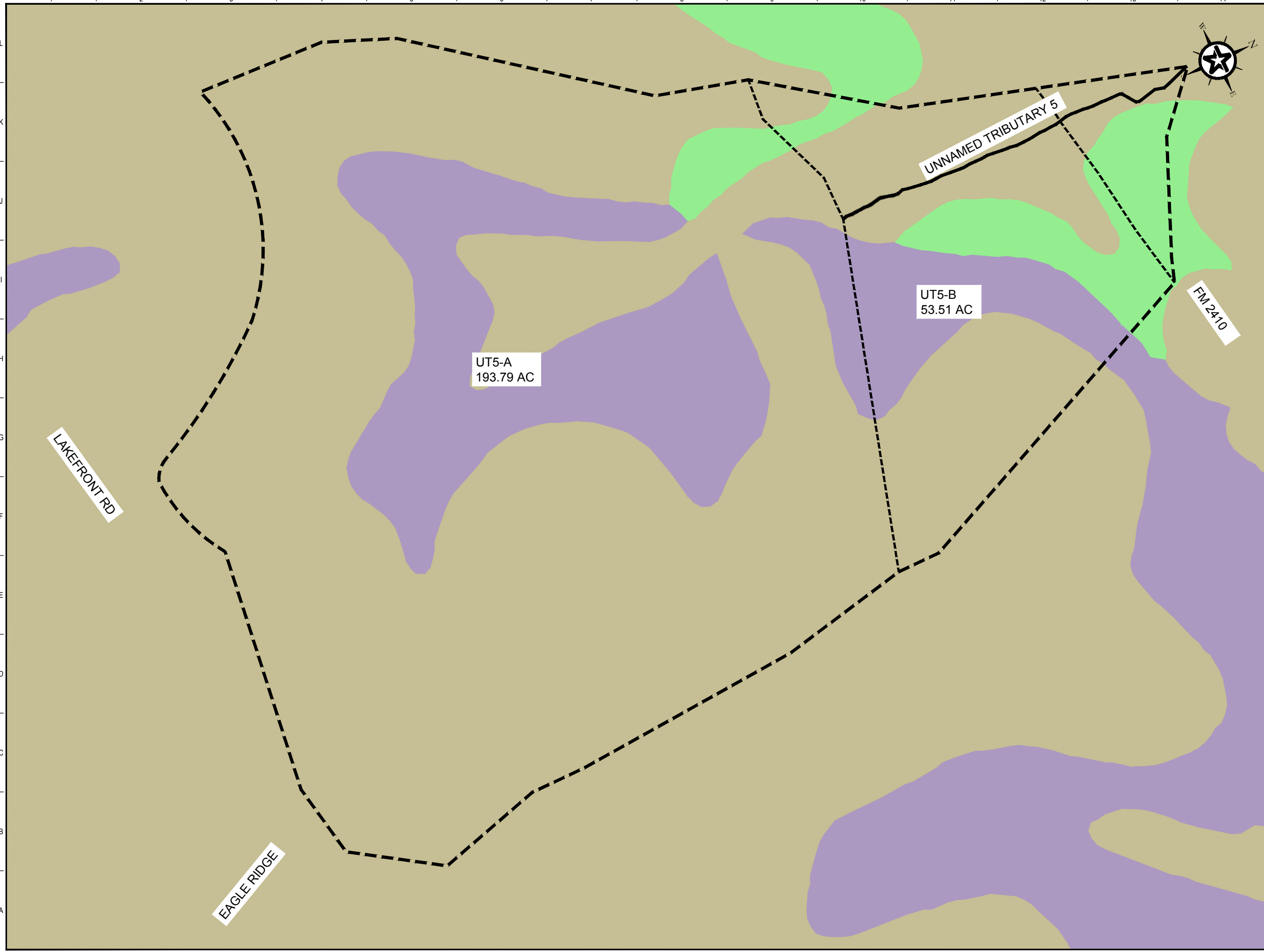


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 4**

**PRELIMINARY FOR REVIEW ONLY**

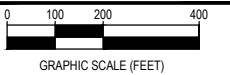
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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>S109</b>

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:46:32 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 5**

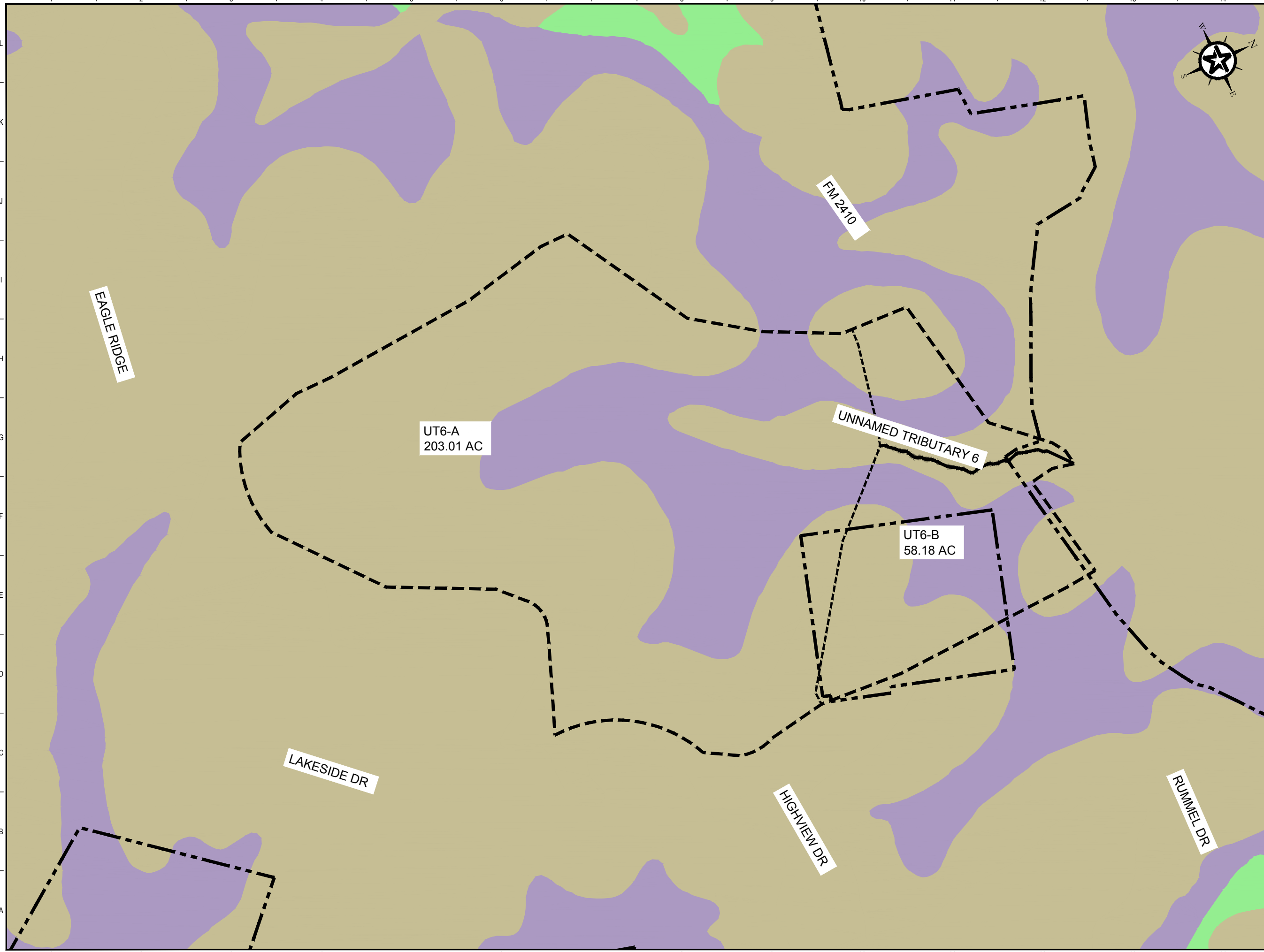
**PRELIMINARY FOR REVIEW ONLY**

DESIGNED	NLK
DRAFTED	KAM
CHECKED	OEW
PROJECT NO.	2-01366

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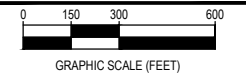
FIGURE:  
**S110**

G:\PROJECTS\2-01366\DWG\2-01366 SOIL MAPS EXHIBITS.DWG, 4/17/2015 9:46:49 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- HYDROLOGIC SOIL GROUP B
- HYDROLOGIC SOIL GROUP C
- HYDROLOGIC SOIL GROUP D



REV.	DESCRIPTION	DATE



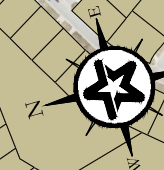
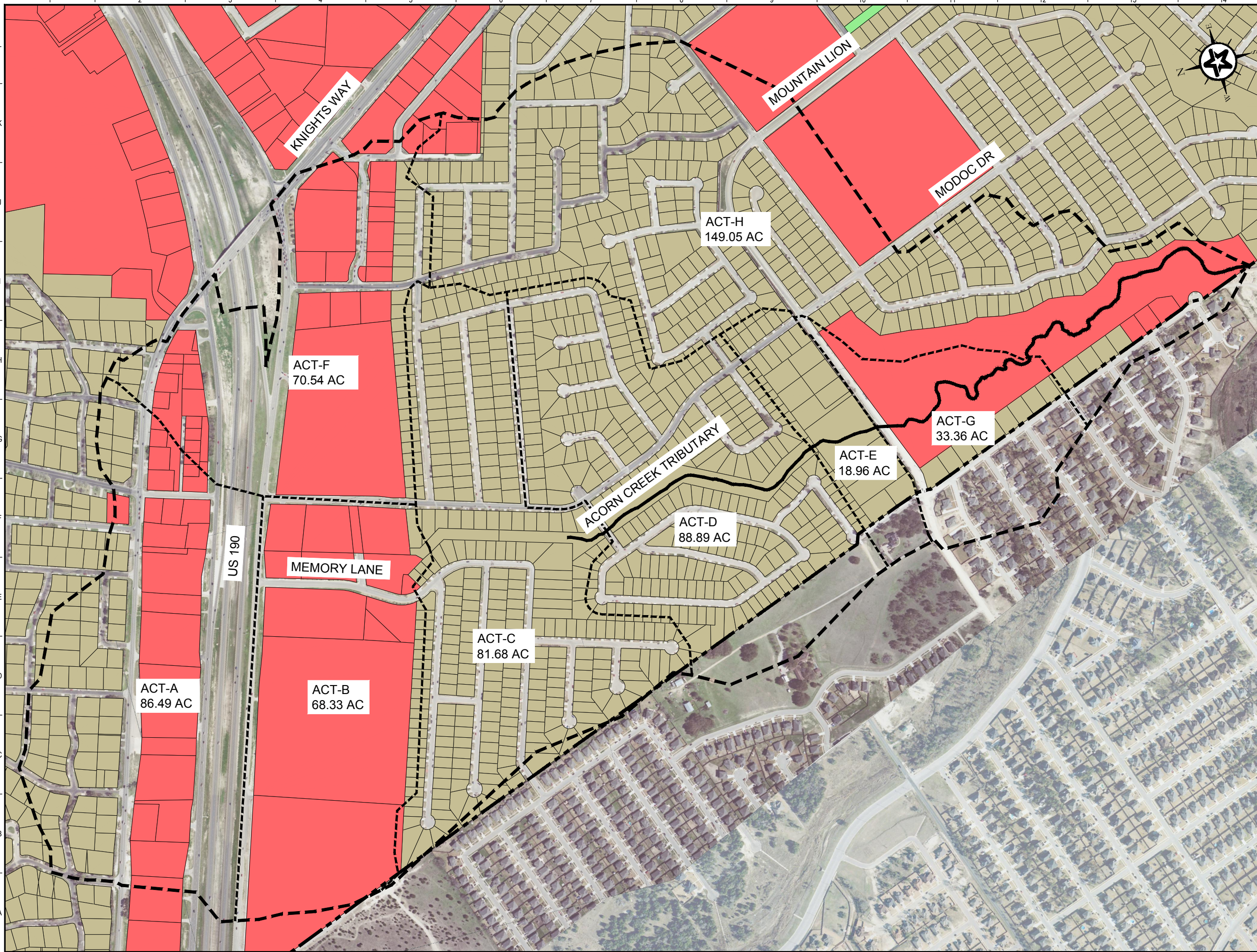
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 6**

**PRELIMINARY FOR REVIEW ONLY**

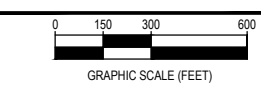
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.	DESIGNED	NLK
	DRAFTED	KAM
	CHECKED	OEW
	PROJECT NO.	2-01366
	FIGURE:	<b>S111</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, 4/17/2015 9:16:19 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



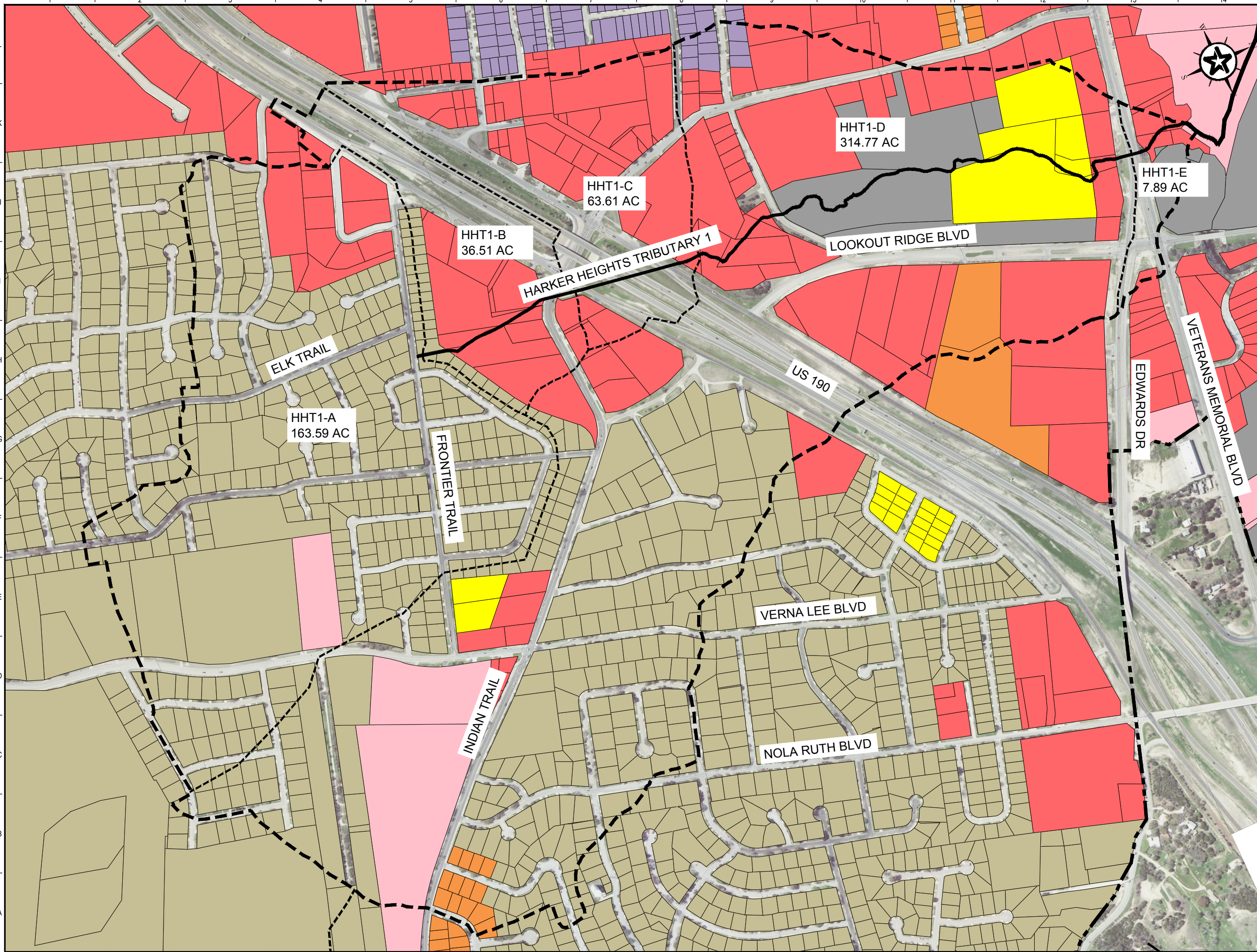
REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**ACORN CREEK TRIBUTARY**  
**PRELIMINARY FOR REVIEW ONLY**

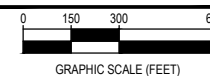
<p>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366</p> <p>ON THE DATE SHOWN ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: x-small;">DESIGNED</td> <td style="font-size: x-small;">OEW</td> </tr> <tr> <td style="font-size: x-small;">DRAFTED</td> <td style="font-size: x-small;">NLK</td> </tr> <tr> <td style="font-size: x-small;">CHECKED</td> <td style="font-size: x-small;">KAM</td> </tr> <tr> <td style="font-size: x-small;">PROJECT NO.</td> <td style="font-size: x-small;">2-01366</td> </tr> </table>	DESIGNED	OEW	DRAFTED	NLK	CHECKED	KAM	PROJECT NO.	2-01366
DESIGNED	OEW								
DRAFTED	NLK								
CHECKED	KAM								
PROJECT NO.	2-01366								
<p>FIGURE: <b>E100</b></p>									

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E101 HARKER HEIGHTS TRIBUTARY 1, 4/17/2015 9:17:21 AM, kmaawell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

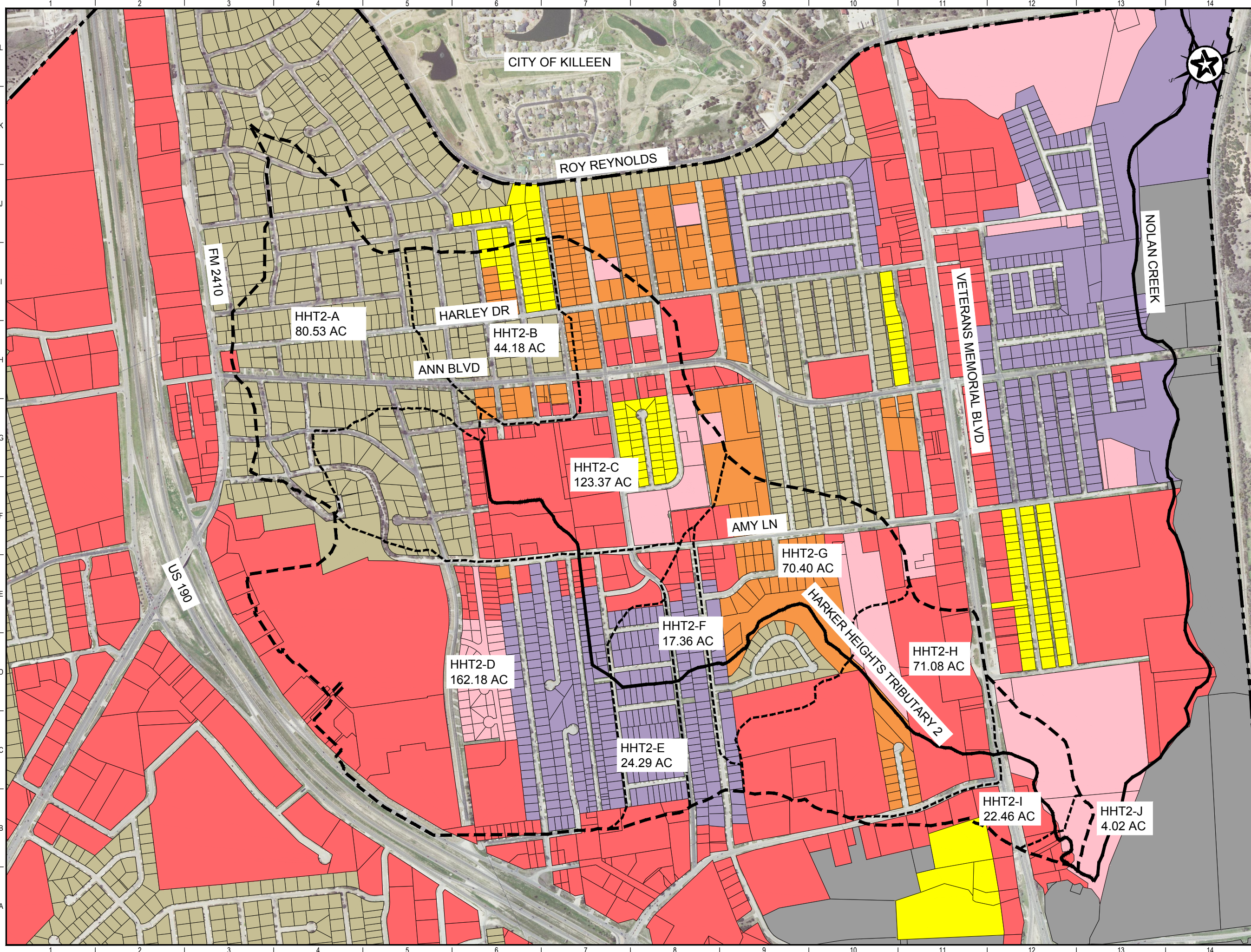


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 1**

**PRELIMINARY FOR REVIEW ONLY**

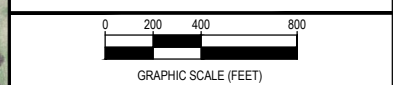
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>E101</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E102 HARKER HEIGHTS TRIBUTARY 2, 4/17/2015 9:18:05 AM, kmaawell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS DRAINAGE MASTER PLAN  
HARKER HEIGHTS TRIBUTARY 2**

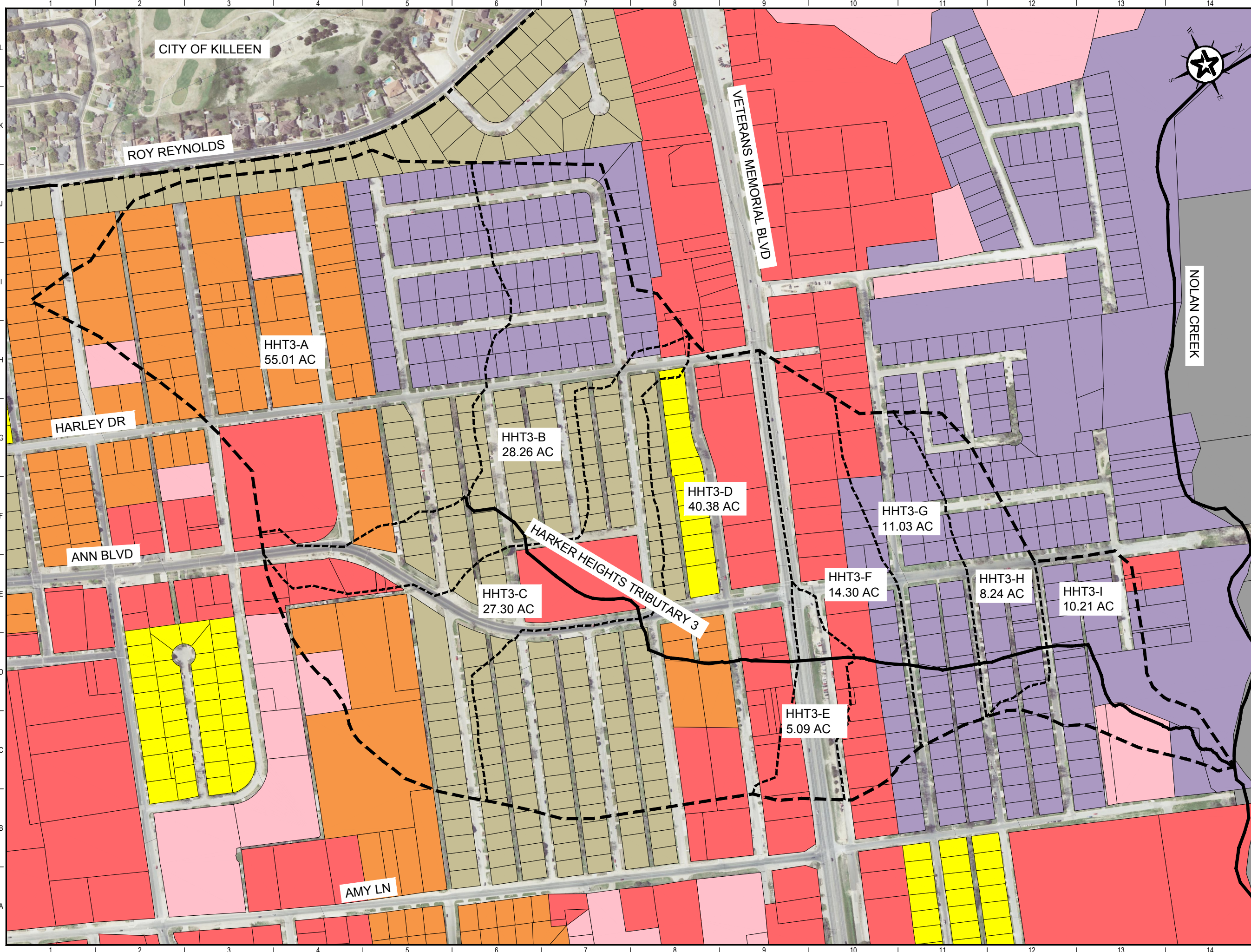
**PRELIMINARY FOR REVIEW ONLY**

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DESIGNED	OEW								
DRAWN	NLK								
CHECKED	KAM								
PROJECT NO.	2-01366								

ON THE DATE SHOWN ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

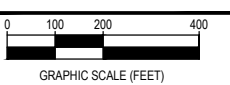
FIGURE:  
**E102**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E103 HARKER HEIGHTS TRIBUTARY 3, 4/17/2015 9:18:39 AM, kmaawell



### MAP LEGEND

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



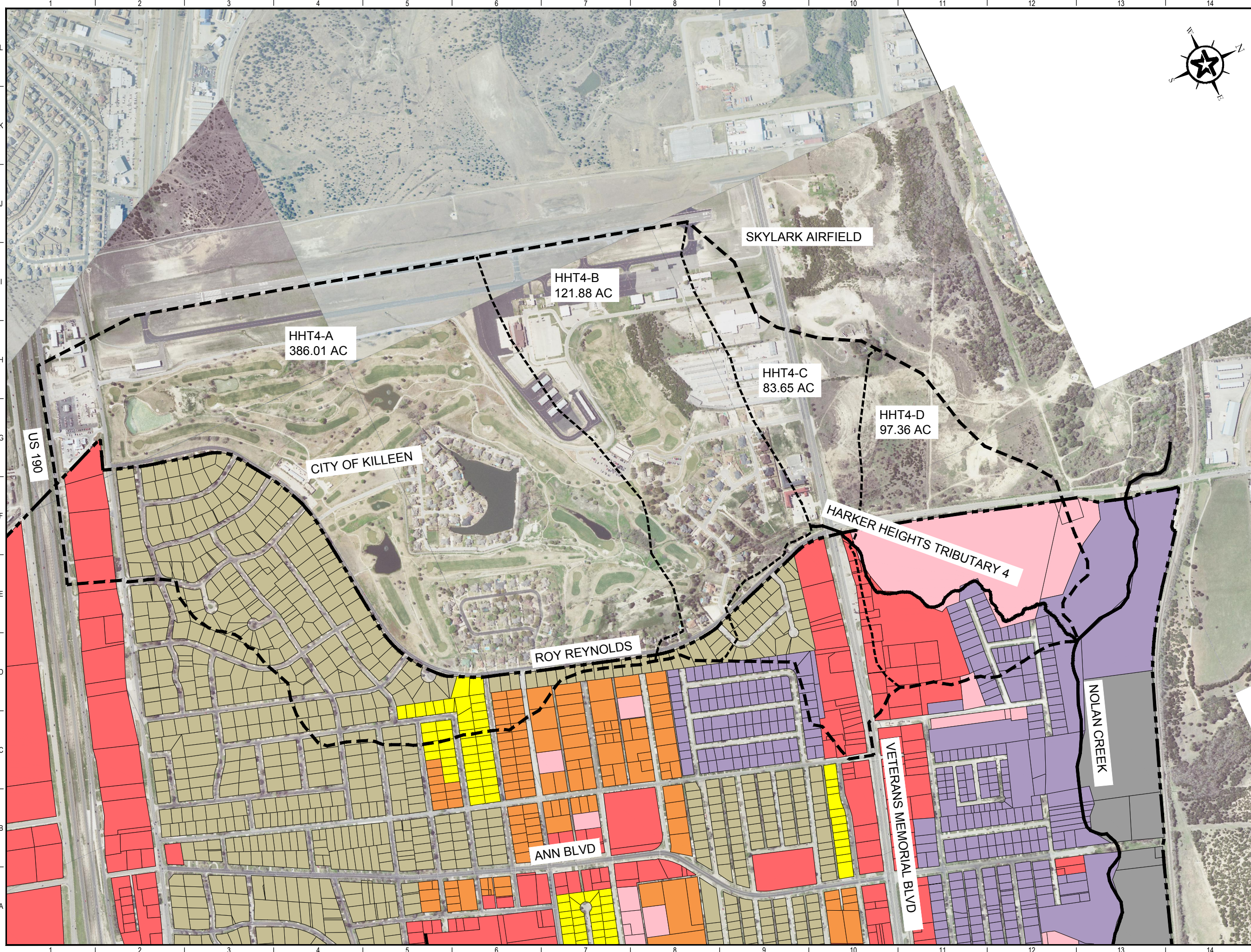
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 3**

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	E103

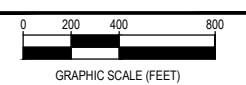


G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E104 HARKER HEIGHTS TRIBUTARY 4, 4/17/2015 9:19:17 AM, kmaawell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

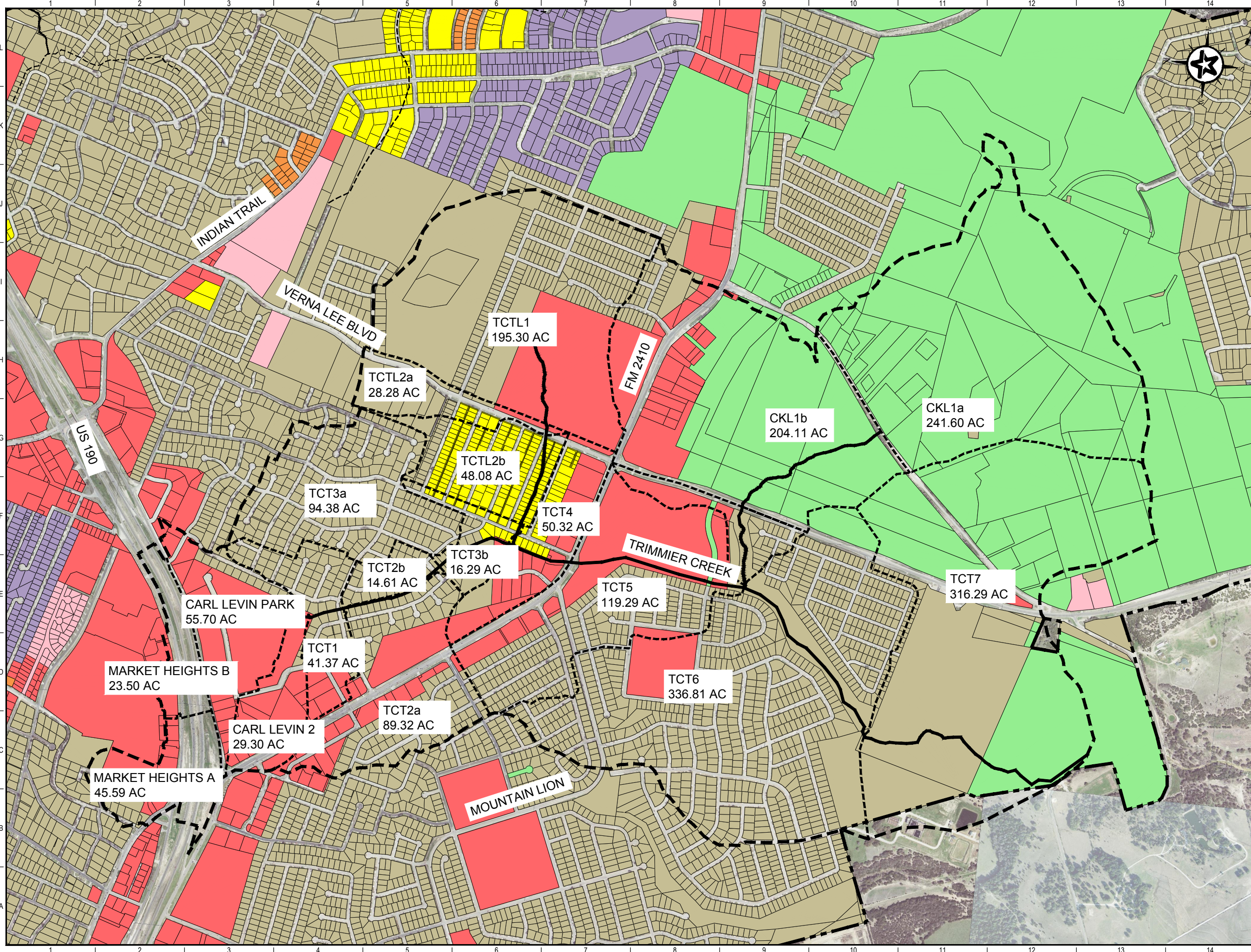


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 4**

**PRELIMINARY FOR REVIEW ONLY**

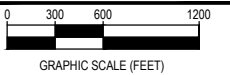
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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>E104</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, 4/17/2015 9:20:04 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

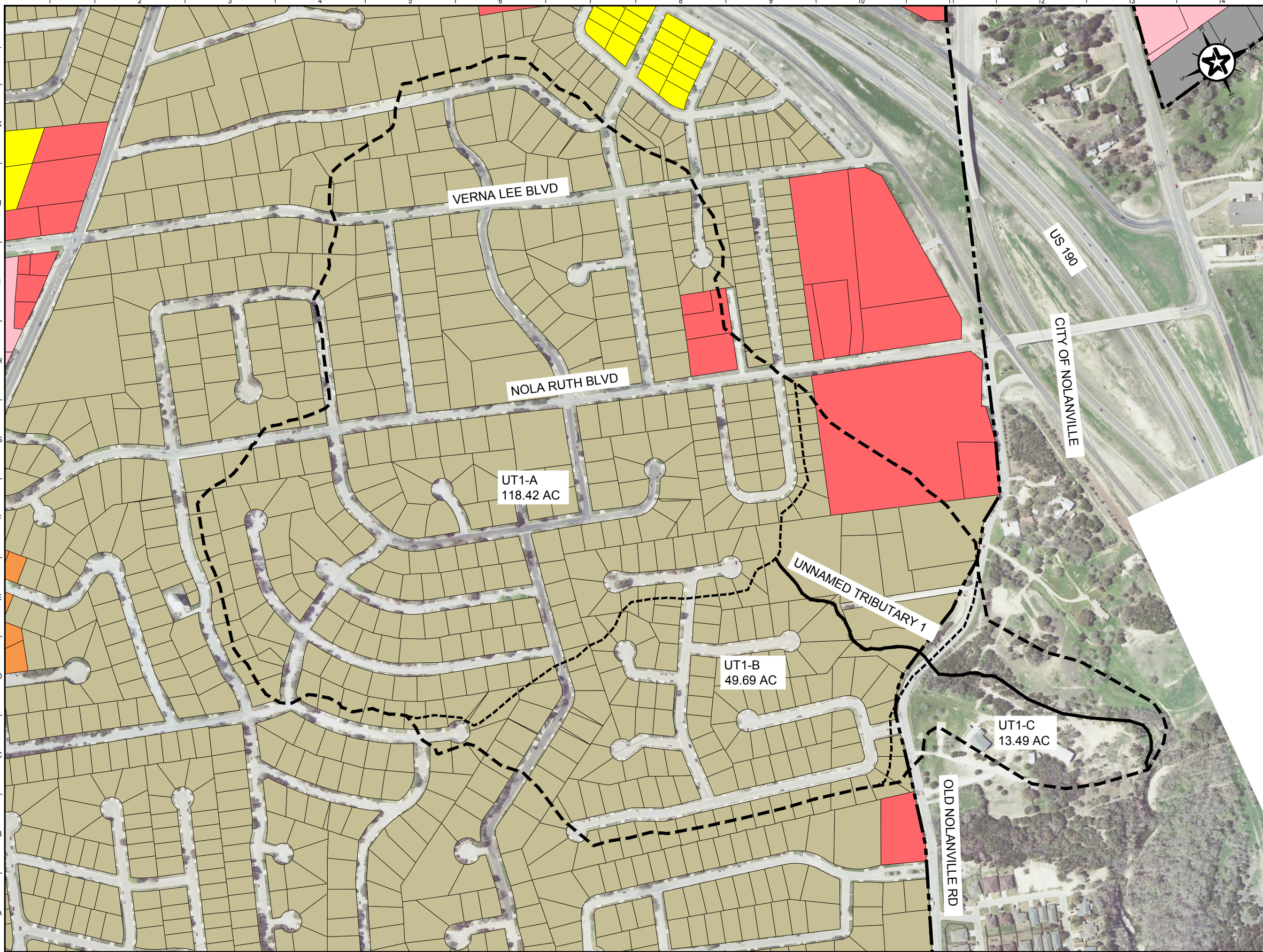


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**TRIMMIER CREEK TRIBUTARY**

**PRELIMINARY FOR REVIEW ONLY**

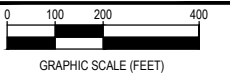
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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>E105</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E106 UNNAMED TRIBUTARY 1, 4/17/2015 9:20:30 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

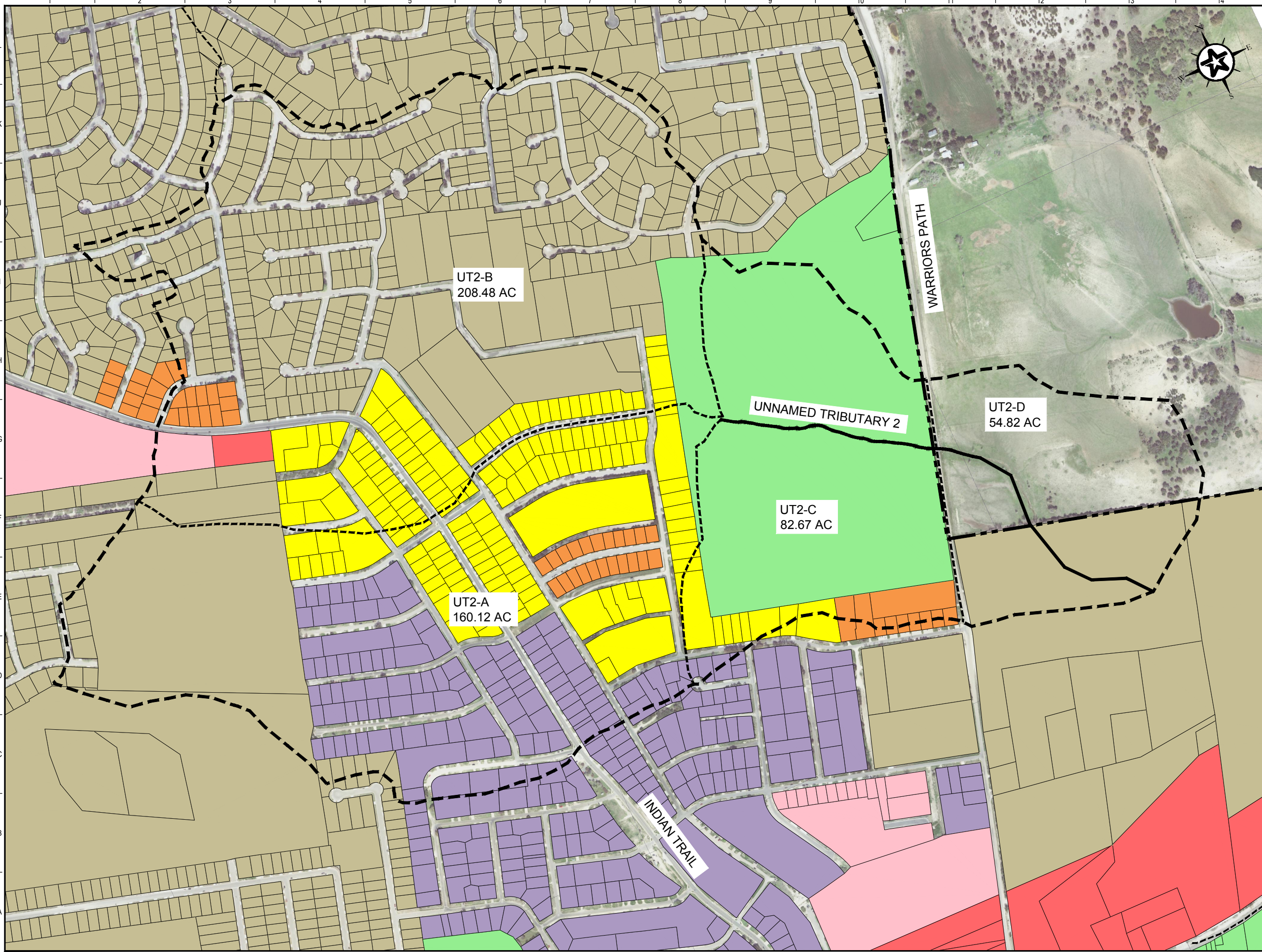


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 1**

**PRELIMINARY FOR REVIEW ONLY**

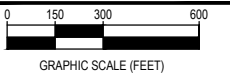
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FIGURE: <b>E106</b>	

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E107 UNNAMED TRIBUTARY 2, 4/17/2015 9:20:52 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

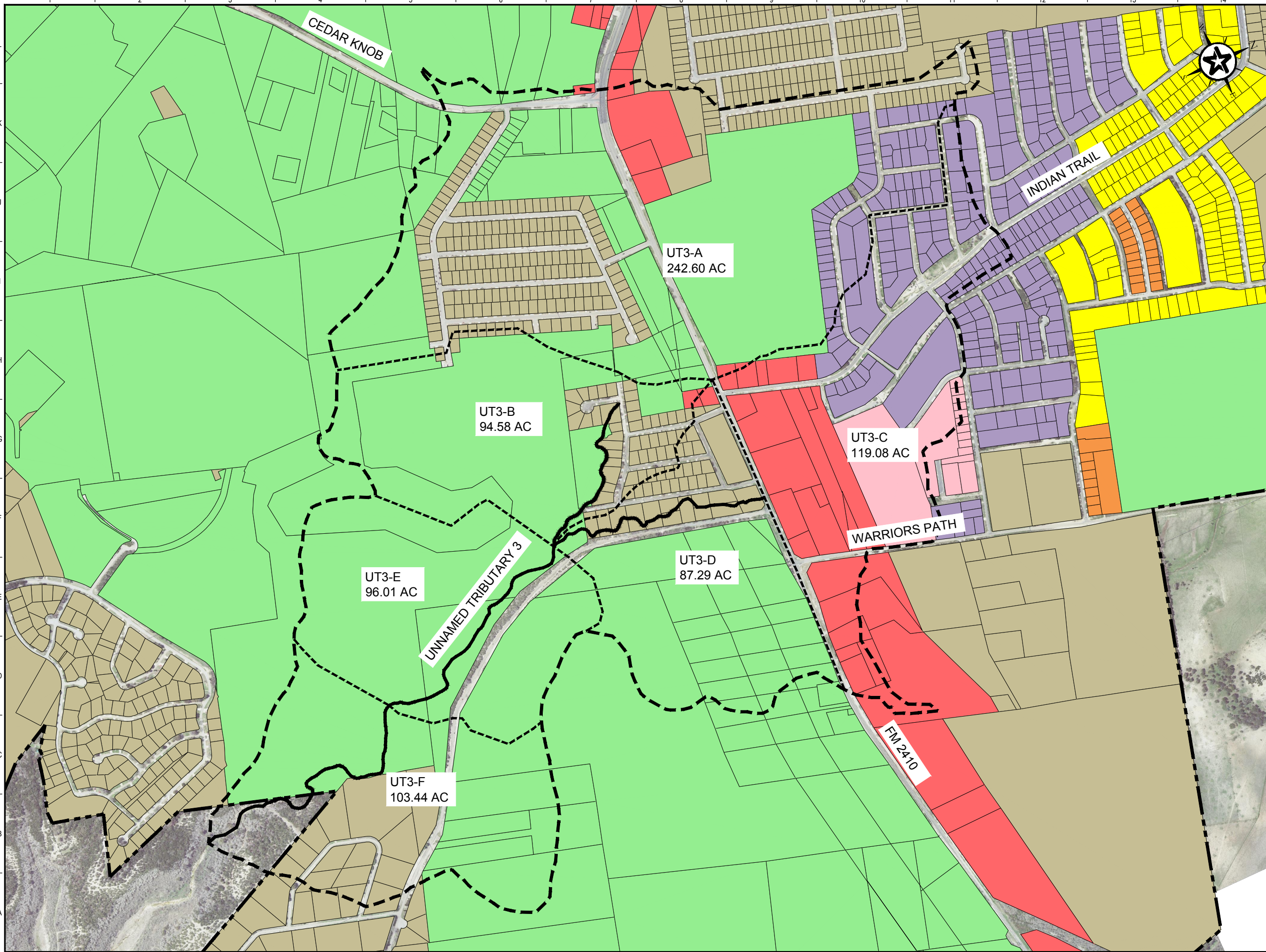


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 2**

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FIGURE: <b>E107</b>	

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E108 UNNAMED TRIBUTARY 3, 4/17/2015 9:21:14 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS  
DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 3**

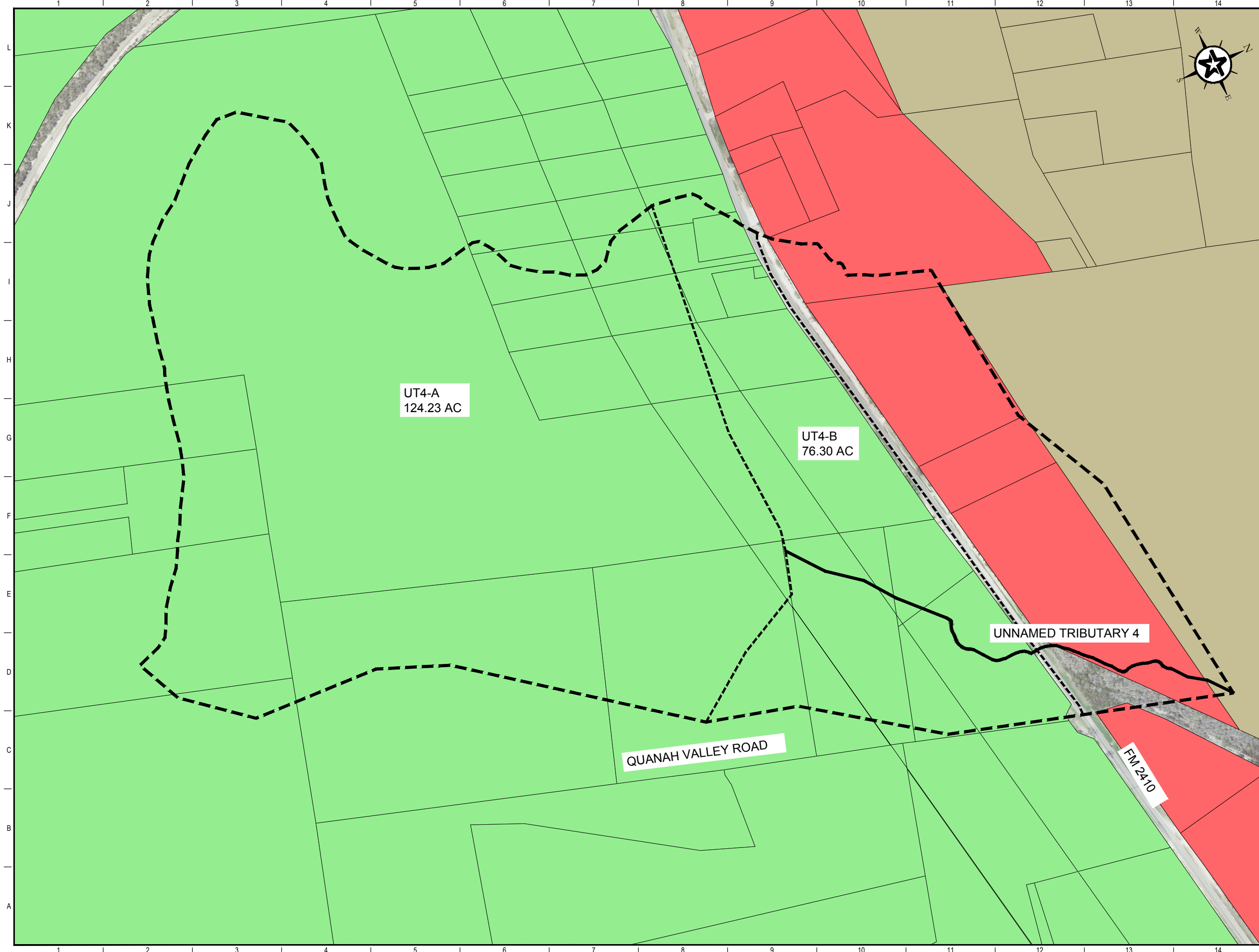
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BIDDING, OR PERMIT PURPOSES.

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DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366

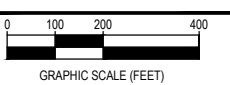
FIGURE:  
**E108**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E109 UNNAMED TRIBUTARY 4, 4/17/2015 9:21:38 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS  
DRAINAGE MASTER PLAN**

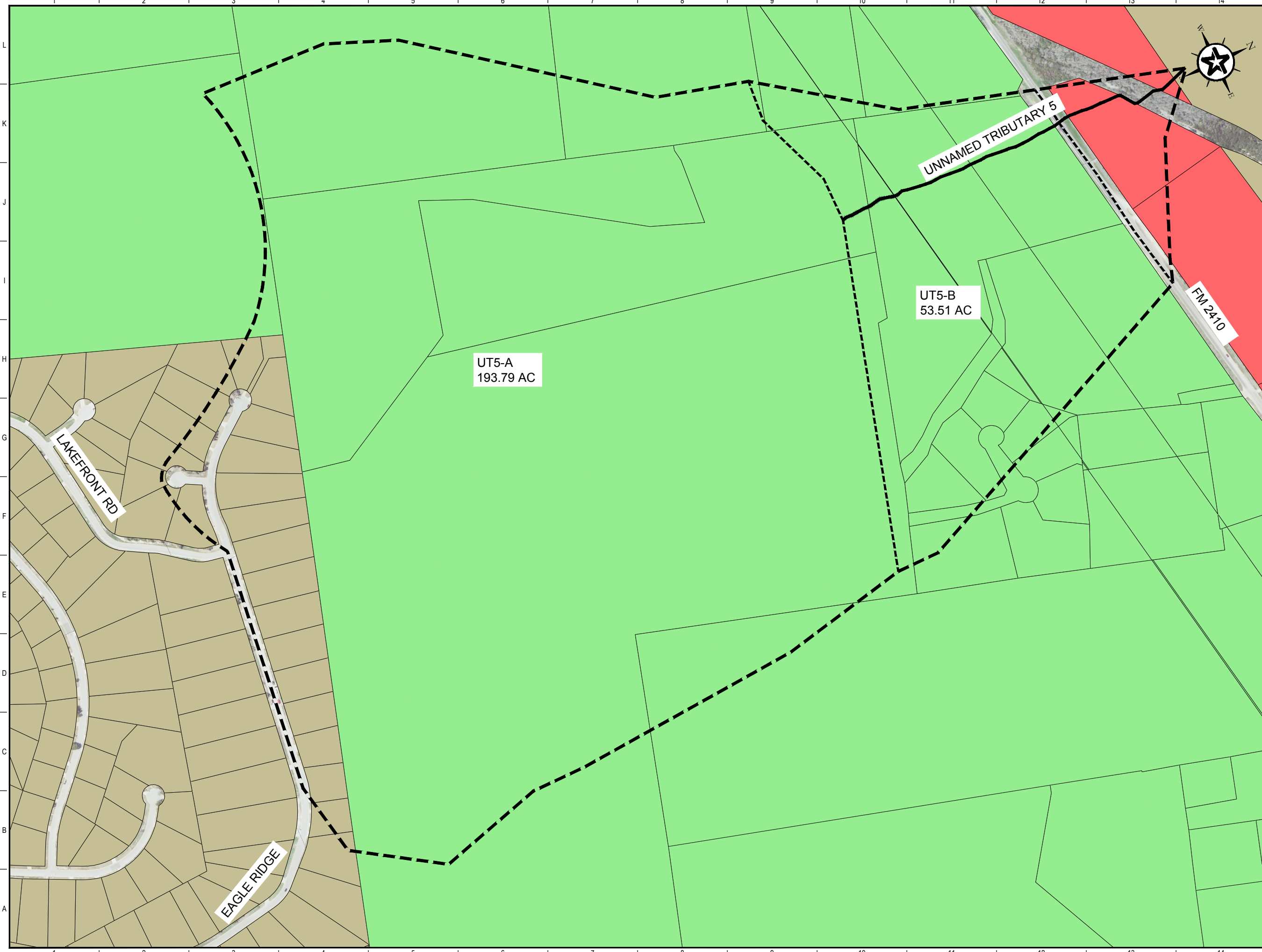
**UNNAMED TRIBUTARY 4**

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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366

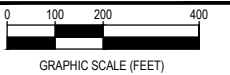
FIGURE:  
**E109**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E110 UNNAMED TRIBUTARY 5, 4/17/2015 9:22:00 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 UNNAMED TRIBUTARY 5

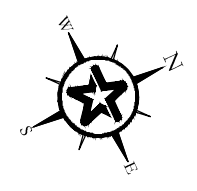
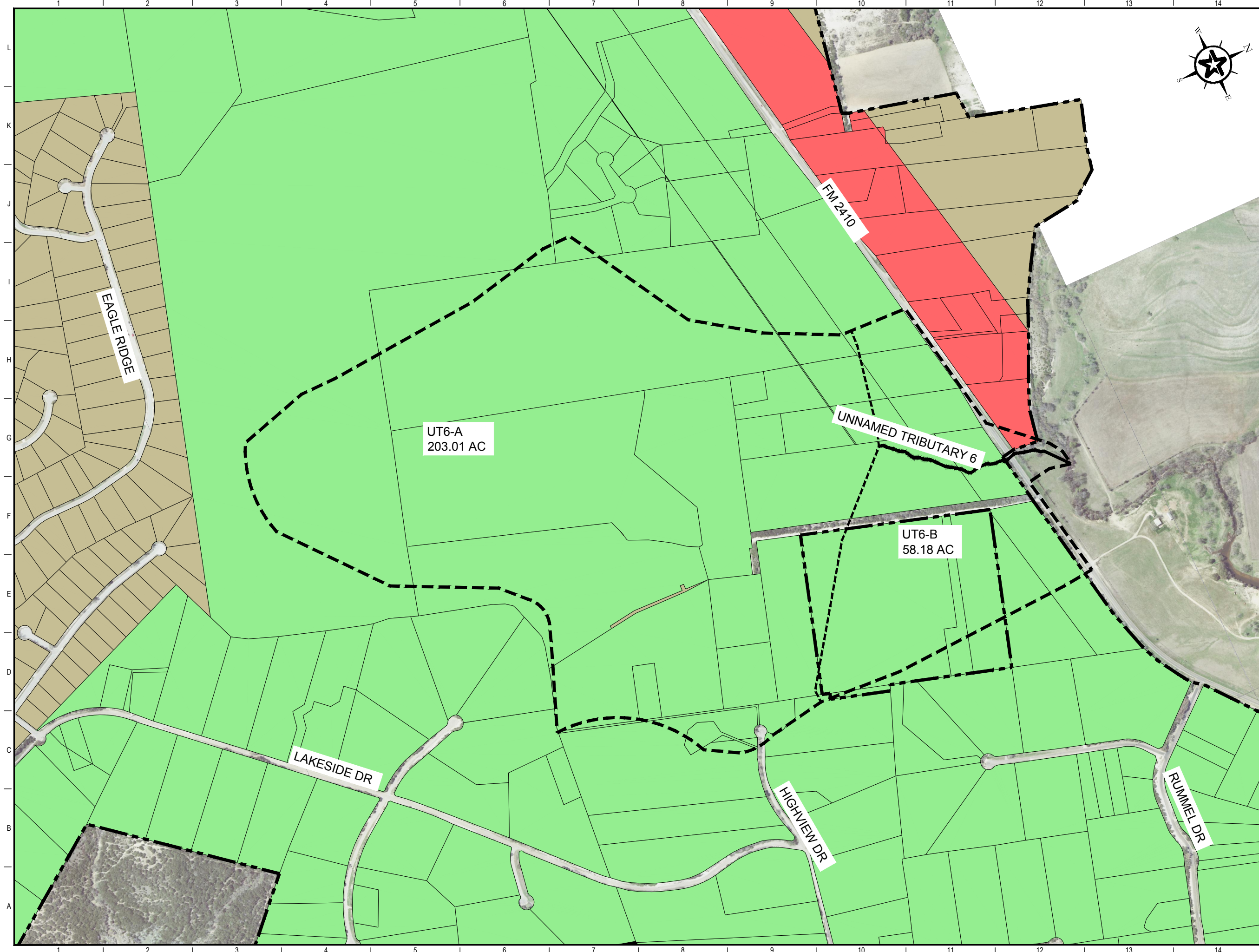
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DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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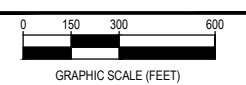
FIGURE: **E110**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE EXISTING EXHIBIT.DWG, E111 UNNAMED TRIBUTARY 6, 4/17/2015 9:22:28 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

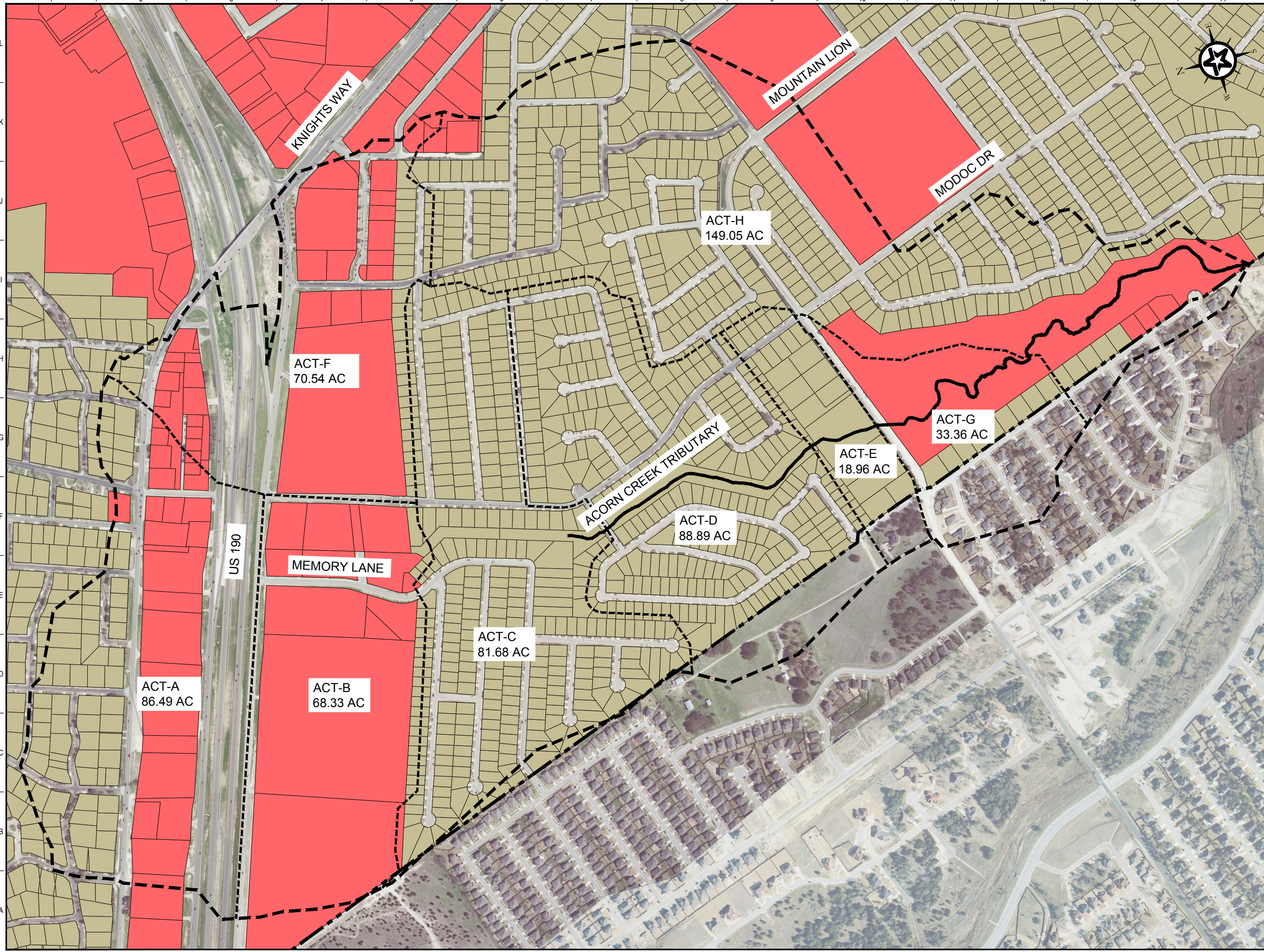
**UNNAMED TRIBUTARY 6**

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DESIGNED	OEW								
DRAFTED	NLK								
CHECKED	KAM								
PROJECT NO.	2-01366								
<p><b>FIGURE: E111</b></p>									

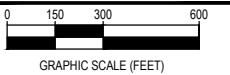


G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D:\00 ACORN CREEK TRIBUTARY - DEVELOPED LAND USE, 4/17/2015 8:16:09 AM, kmaxwell

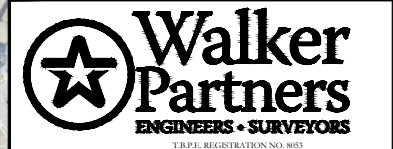


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

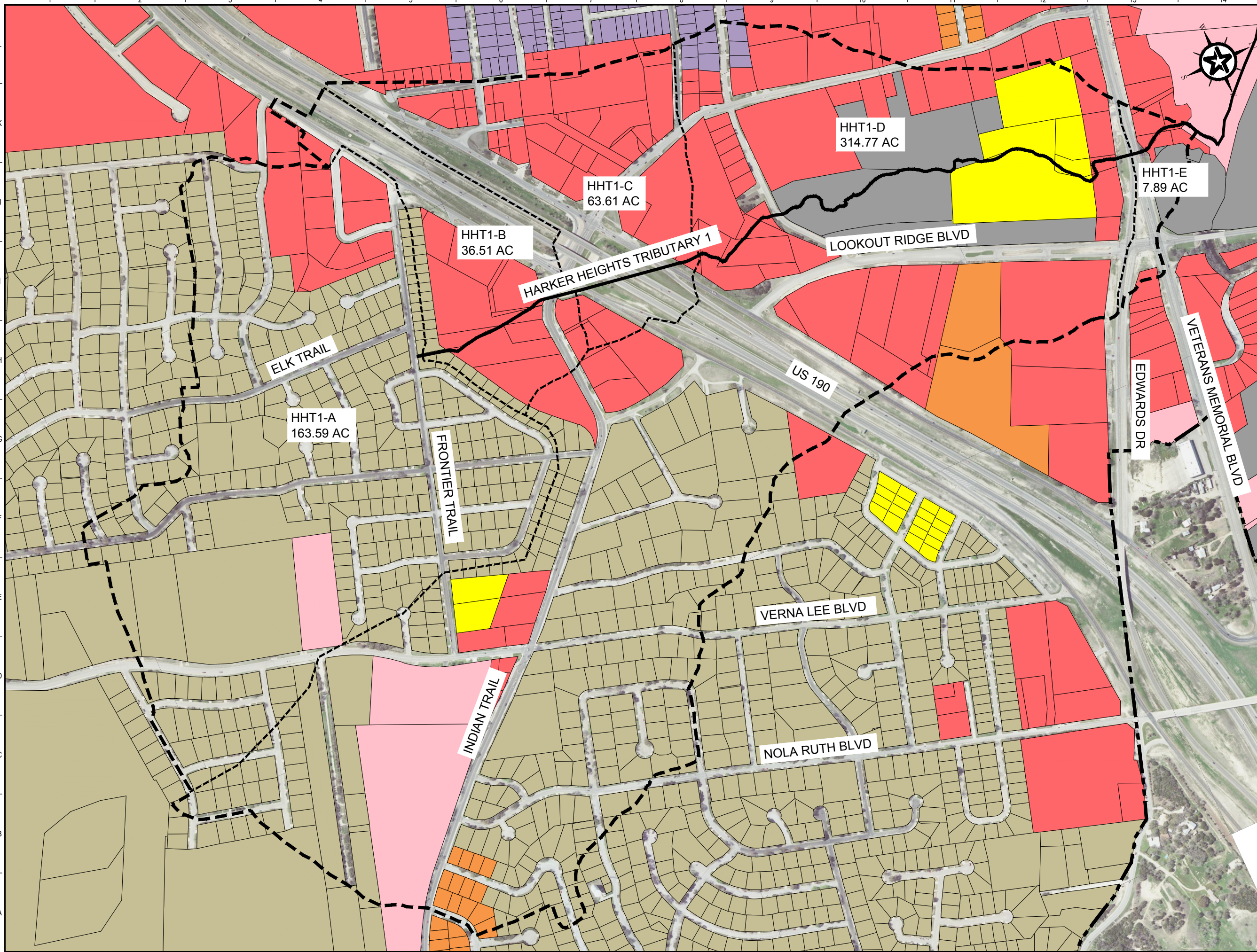


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**ACORN CREEK TRIBUTARY**

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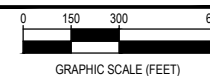
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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	D100

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D101 HARKER HEIGHTS TRIBUTARY 1, 4/17/2015 8:17:36 AM, kmaxwell



**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

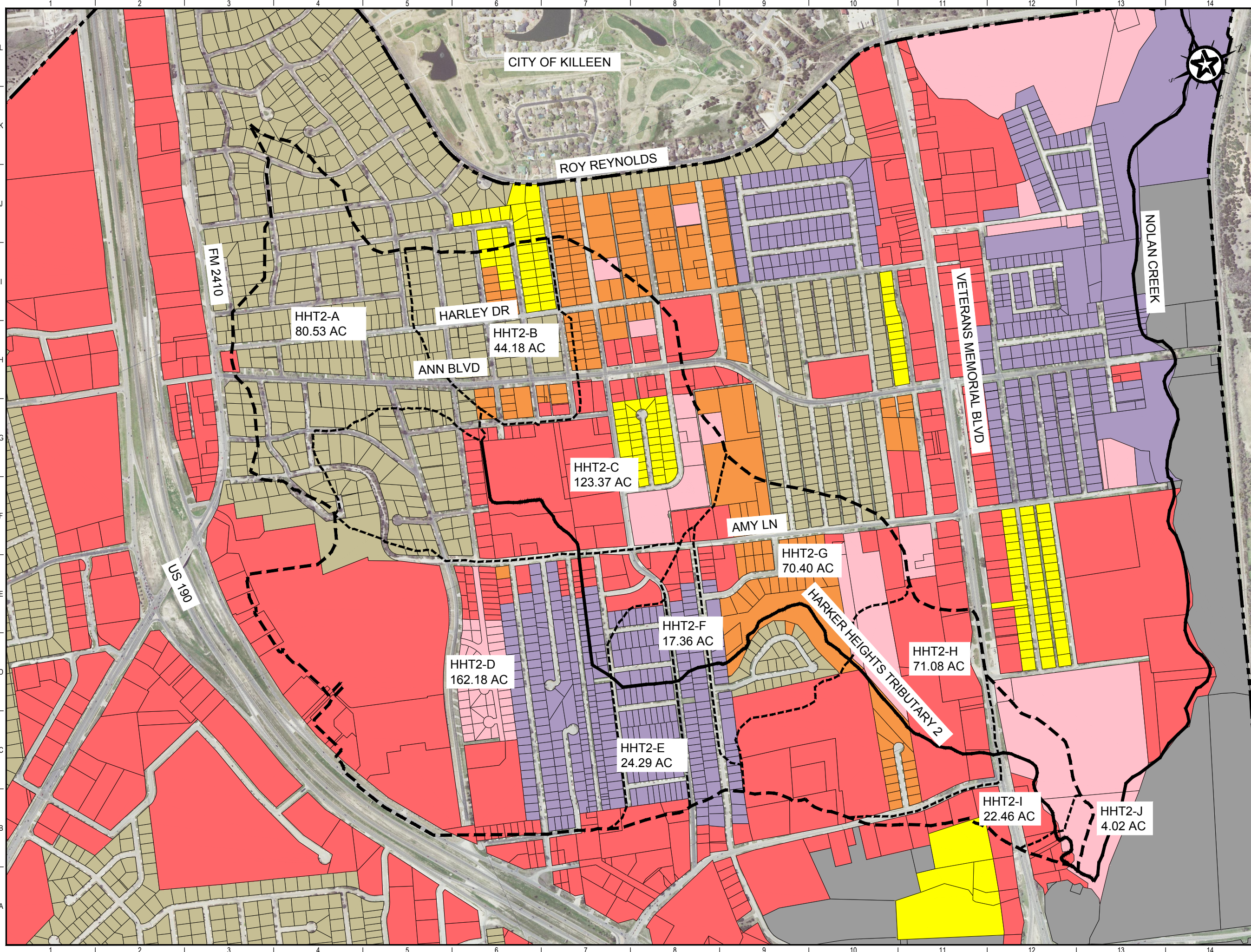


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 1**

**PRELIMINARY FOR REVIEW ONLY**

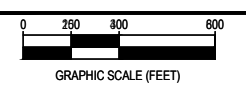
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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	D101

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, HARKER HEIGHTS TRIBUTARY 2, 4/17/2015 8:18:19 AM, kmaxwell

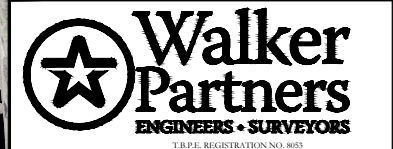


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

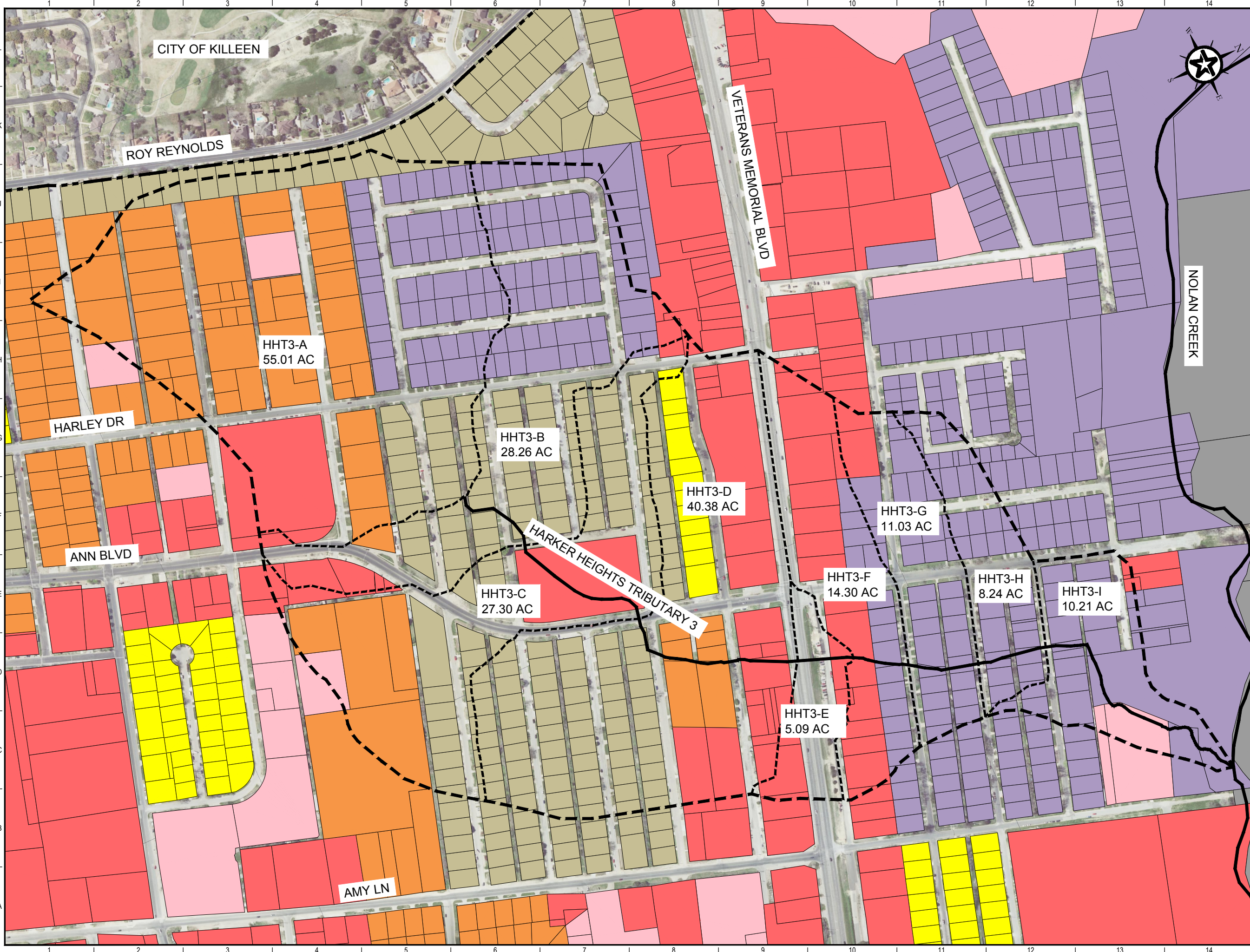


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 2**

**PRELIMINARY FOR REVIEW ONLY**

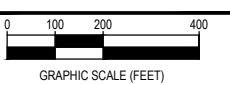
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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>D102</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D:\03 HARKER HEIGHTS TRIBUTARY 3, 4/17/2015 8:18:52 AM, knaxwell

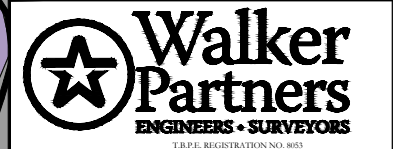


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 3**

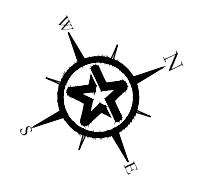
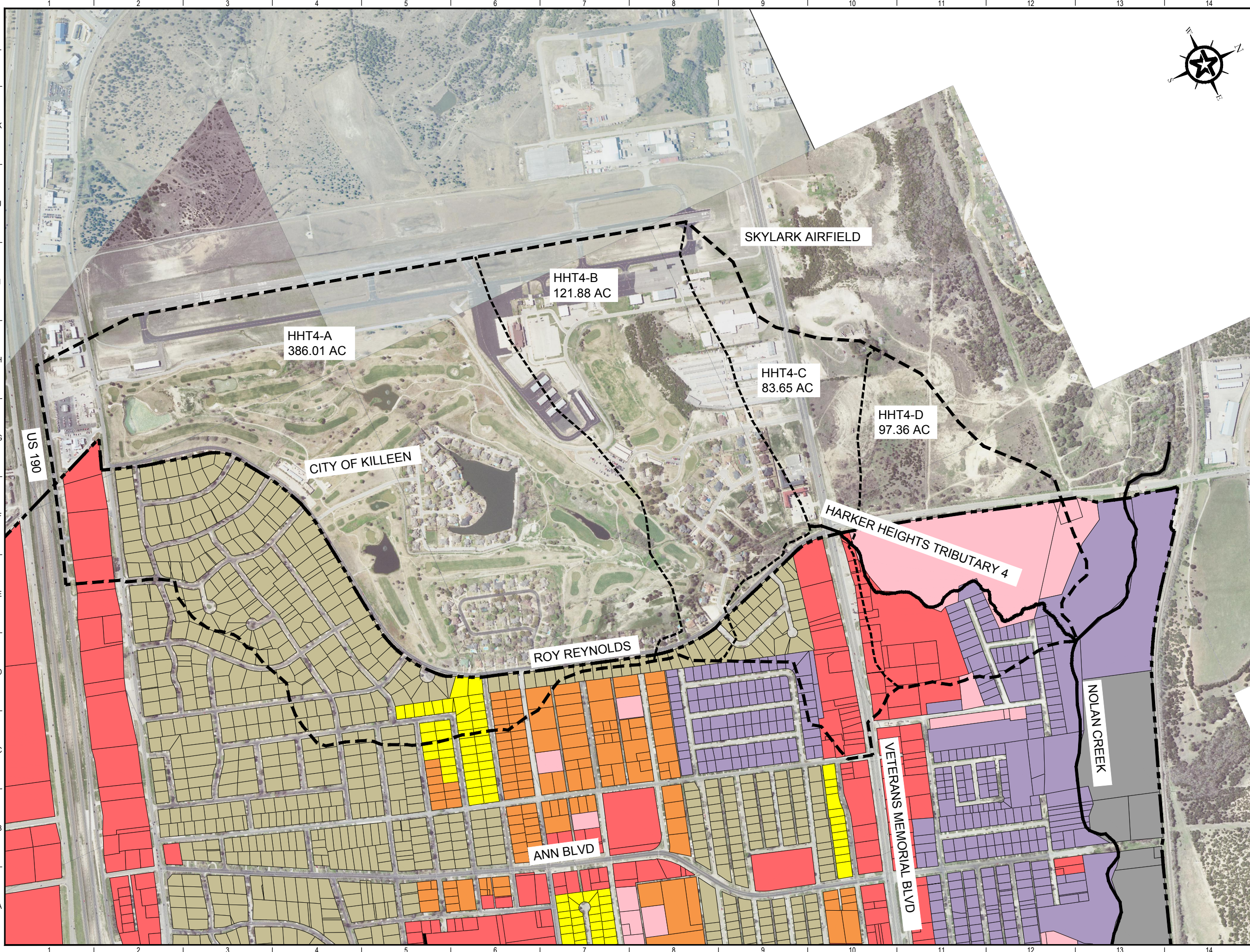
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DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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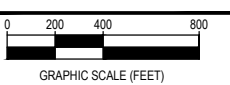
FIGURE:  
**D103**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, 4/17/2015 8:19:33 AM, kmaxwell

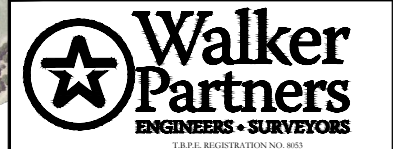


### MAP LEGEND

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

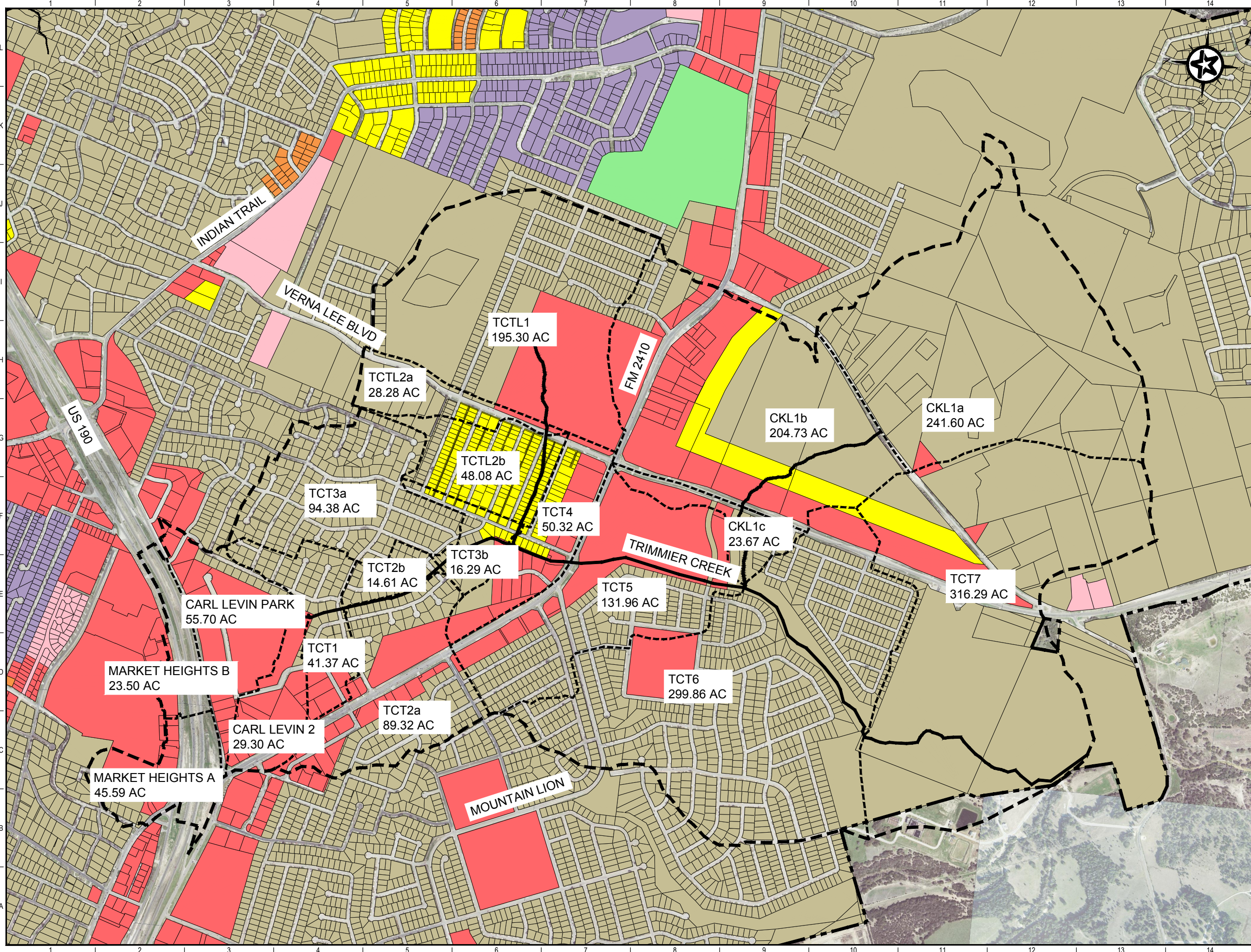


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 4**

PRELIMINARY  
FOR REVIEW ONLY

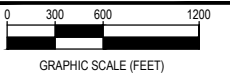
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DESIGNED	OEW										
NLK											
DRAFTED	KAM										
CHECKED	OEW										
PROJECT NO.	2-01366										
FIGURE:	<b>D104</b>										

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, 4/17/2015 8:20:20 AM, kmaxwell

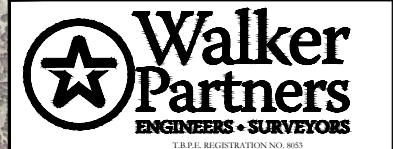


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

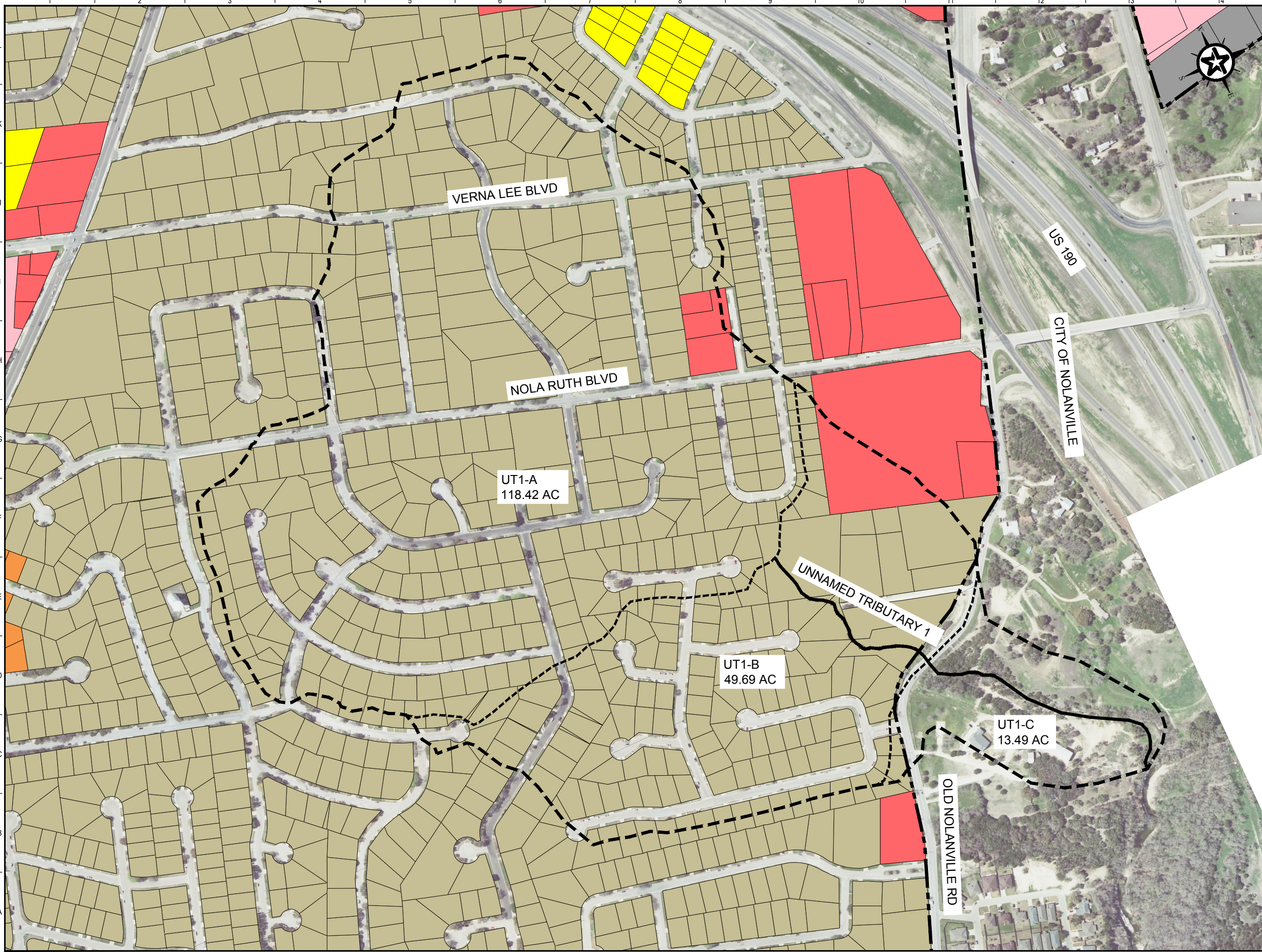


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**TRIMMIER CREEK TRIBUTARY**

**PRELIMINARY FOR REVIEW ONLY**

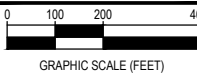
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>D105</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D:\06 UNNAMED TRIBUTARY 1, 4/17/2015 8:20:45 AM, kmaxwell

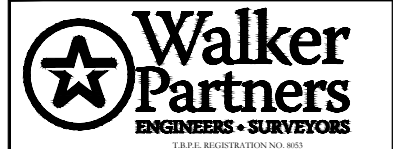


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE

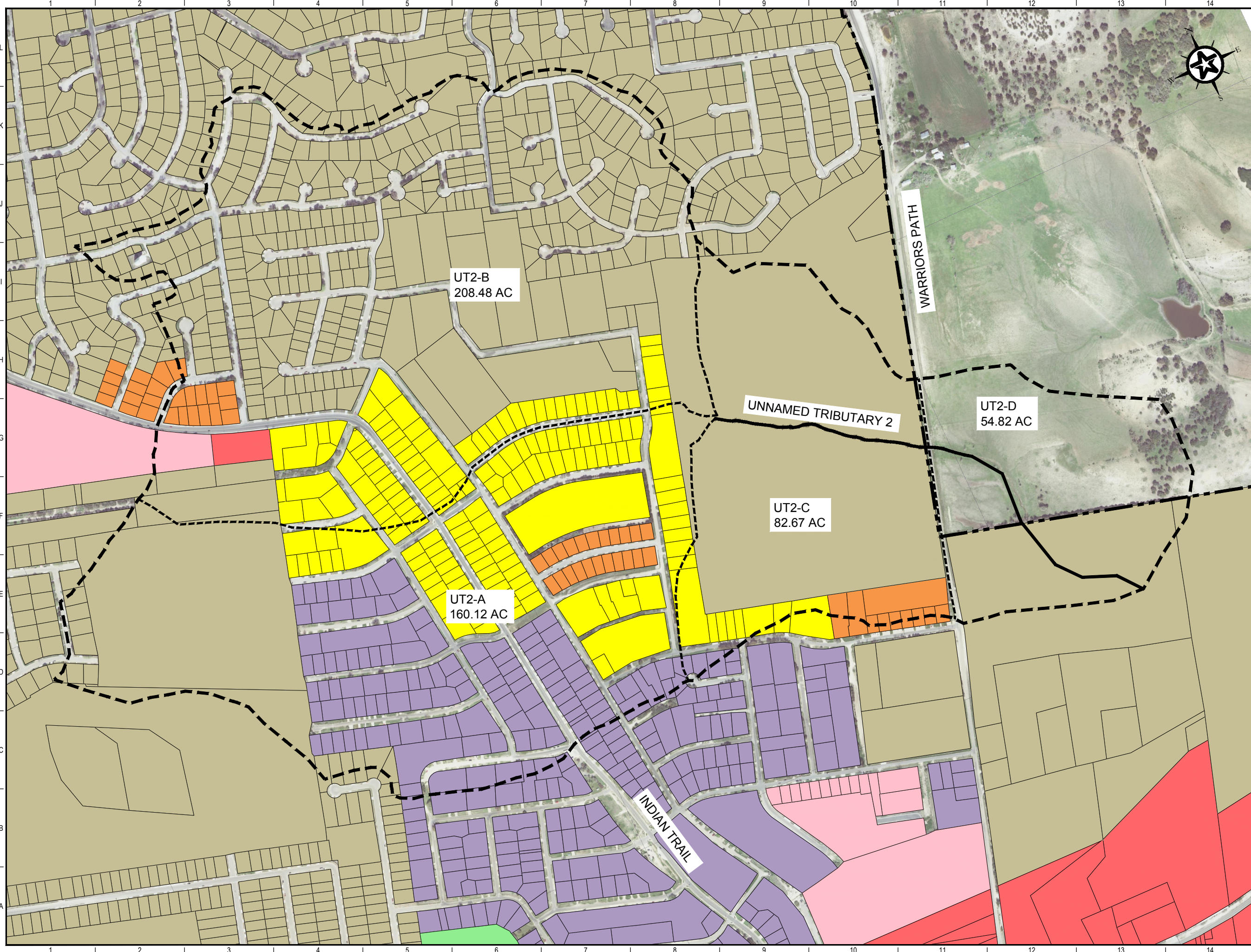



**CITY OF HARKER HEIGHTS  
HARKER HEIGHTS DRAINAGE MASTER PLAN  
UNNAMED TRIBUTARY 1**

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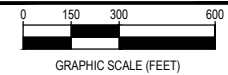
G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D107 UNNAMED TRIBUTARY 2, 4/17/2015 8:21:11 AM, kmaxwell






### MAP LEGEND

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



GRAPHIC SCALE (FEET)

REV.	DESCRIPTION	DATE



**Walker Partners**  
ENGINEERS • SURVEYORS  
T.B.P.E. REGISTRATION NO. 8053

**CITY OF HARKER HEIGHTS**

**HARKER HEIGHTS DRAINAGE MASTER PLAN**

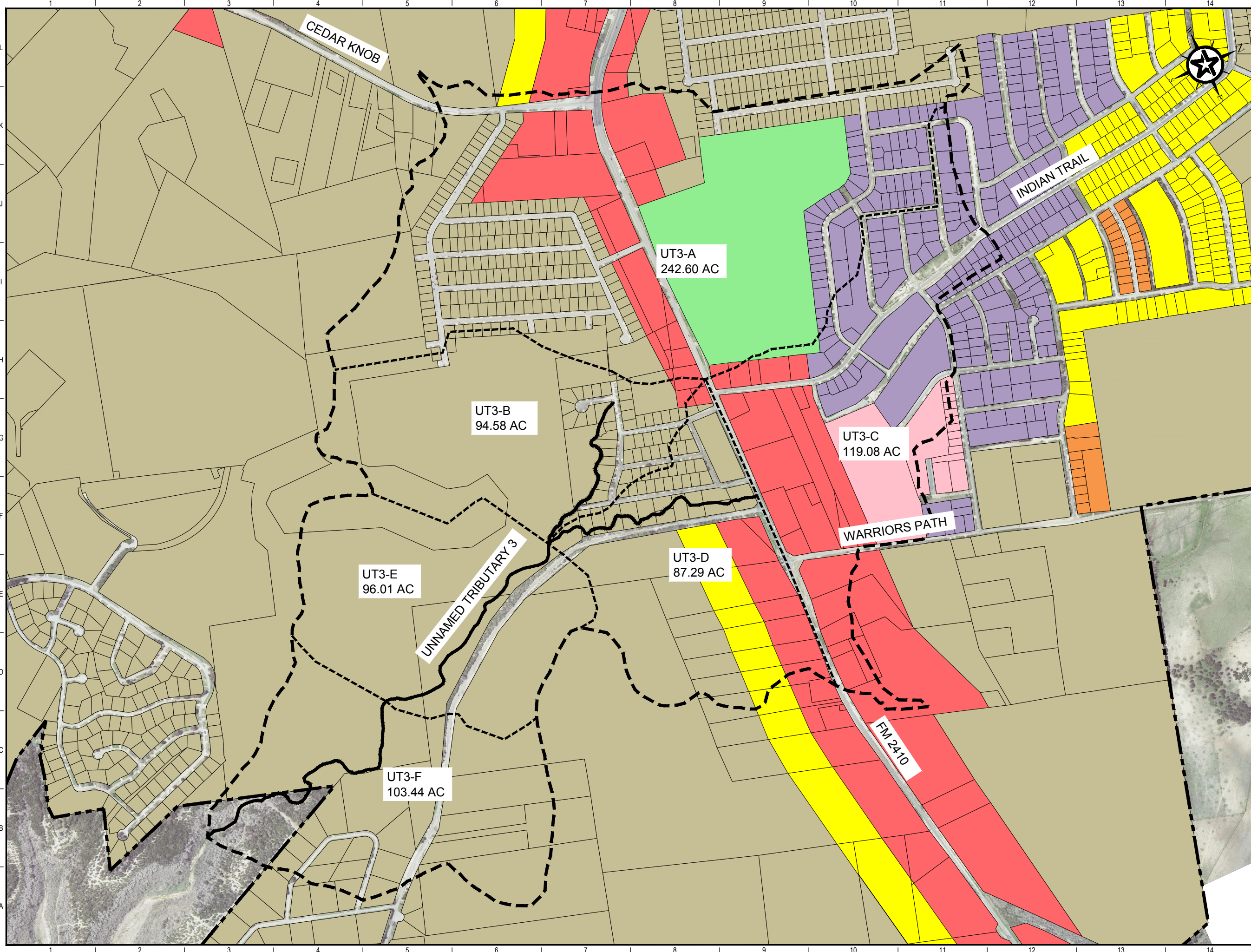
**UNNAMED TRIBUTARY 2**

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FIGURE: <b>D107</b>	

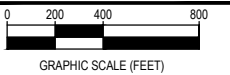


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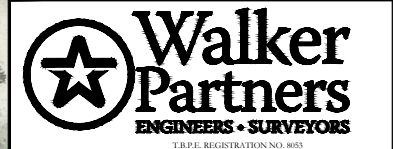


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 3**

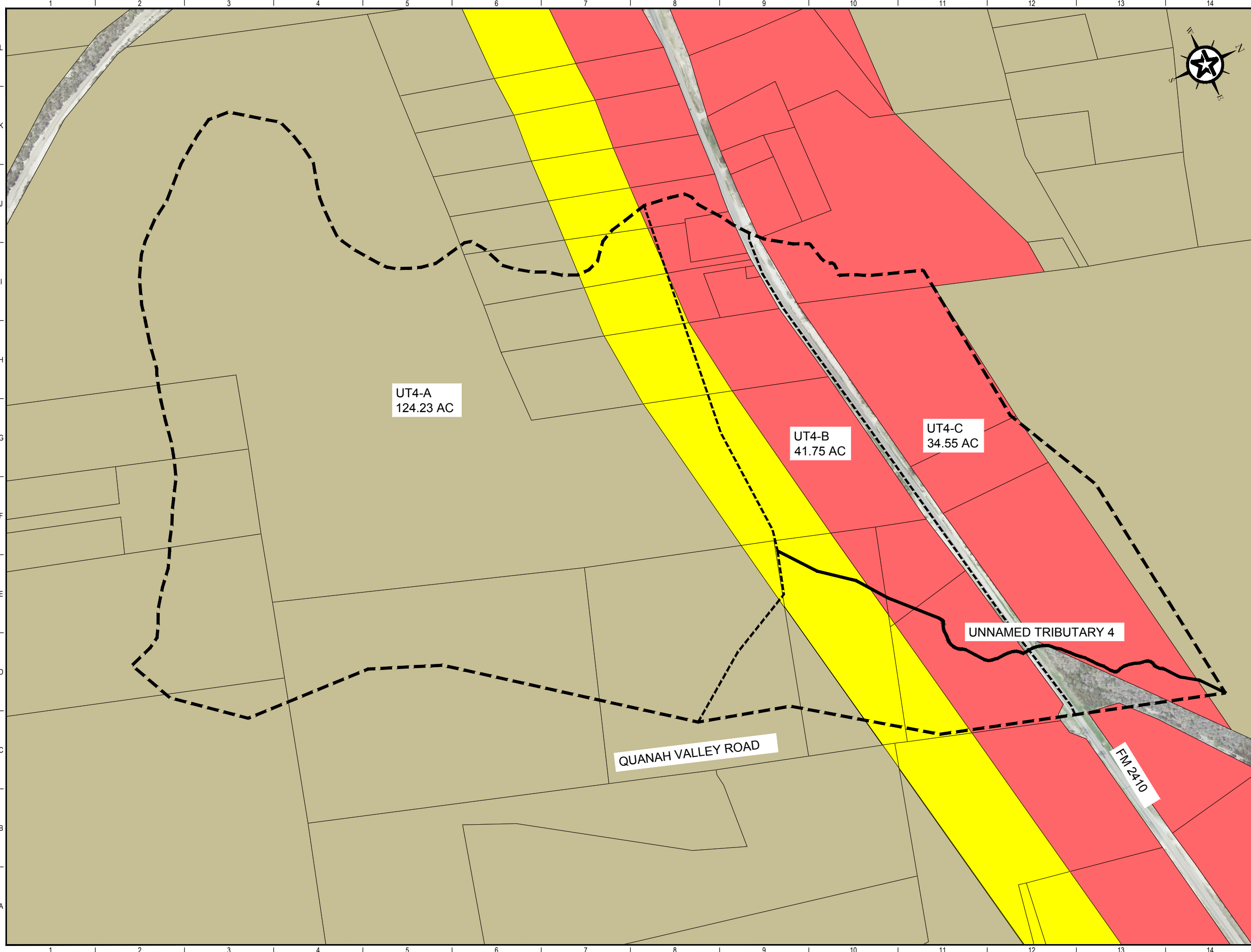
**PRELIMINARY FOR REVIEW ONLY**

DESIGNED	OEW
DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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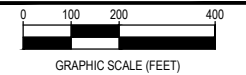
FIGURE:  
**D108**

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D:\09 UNNAMED TRIBUTARY 4, 4/17/2015 8:22:00 AM, kmaxwell

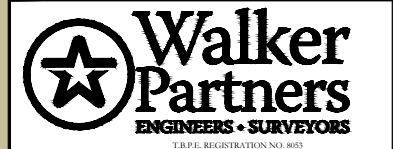


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



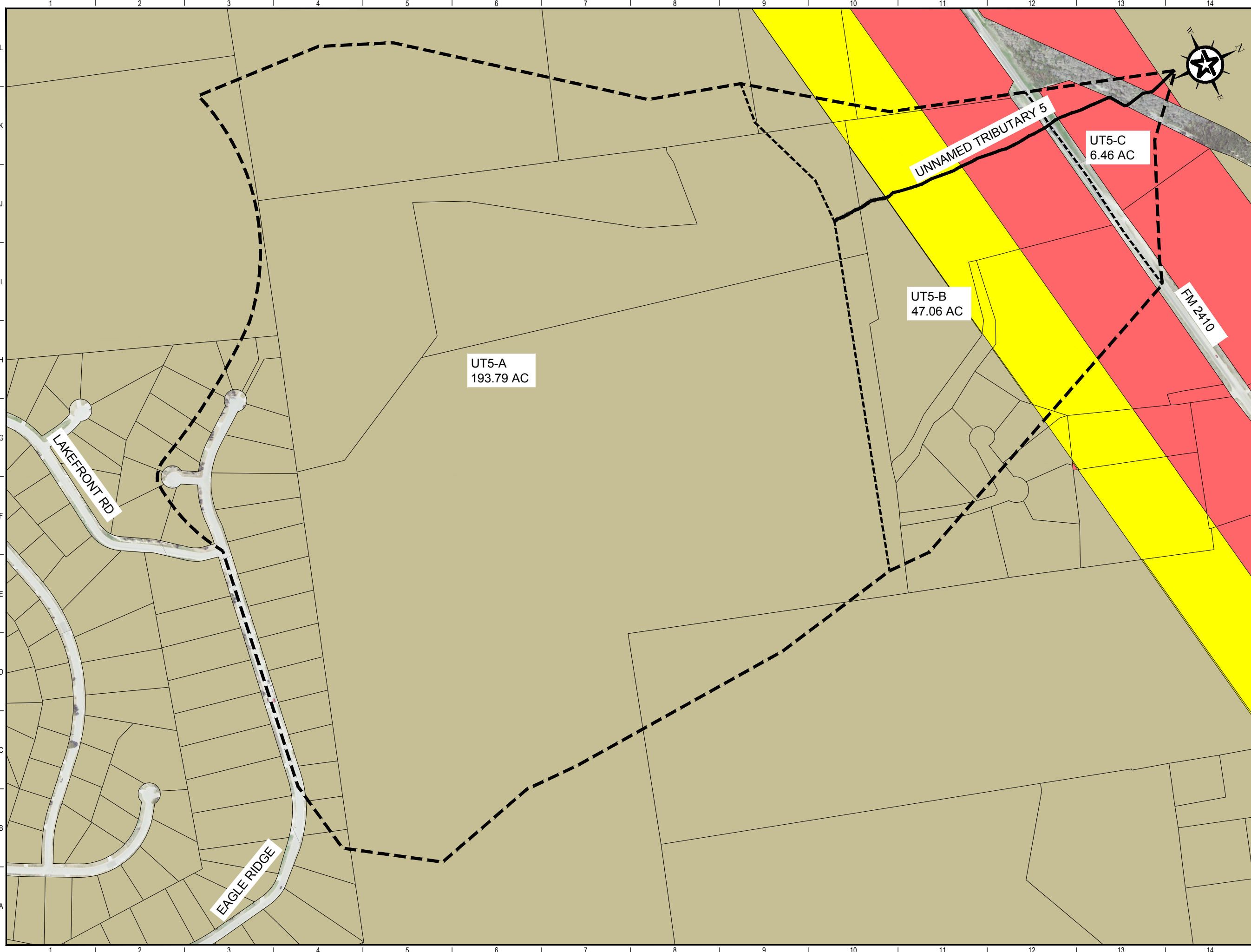
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 4**

**PRELIMINARY FOR REVIEW ONLY**

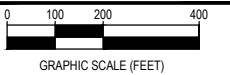
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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, 4/17/2015 8:22:28 AM, kmaxwell

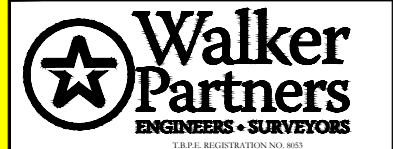


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



REV.	DESCRIPTION	DATE



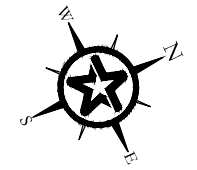
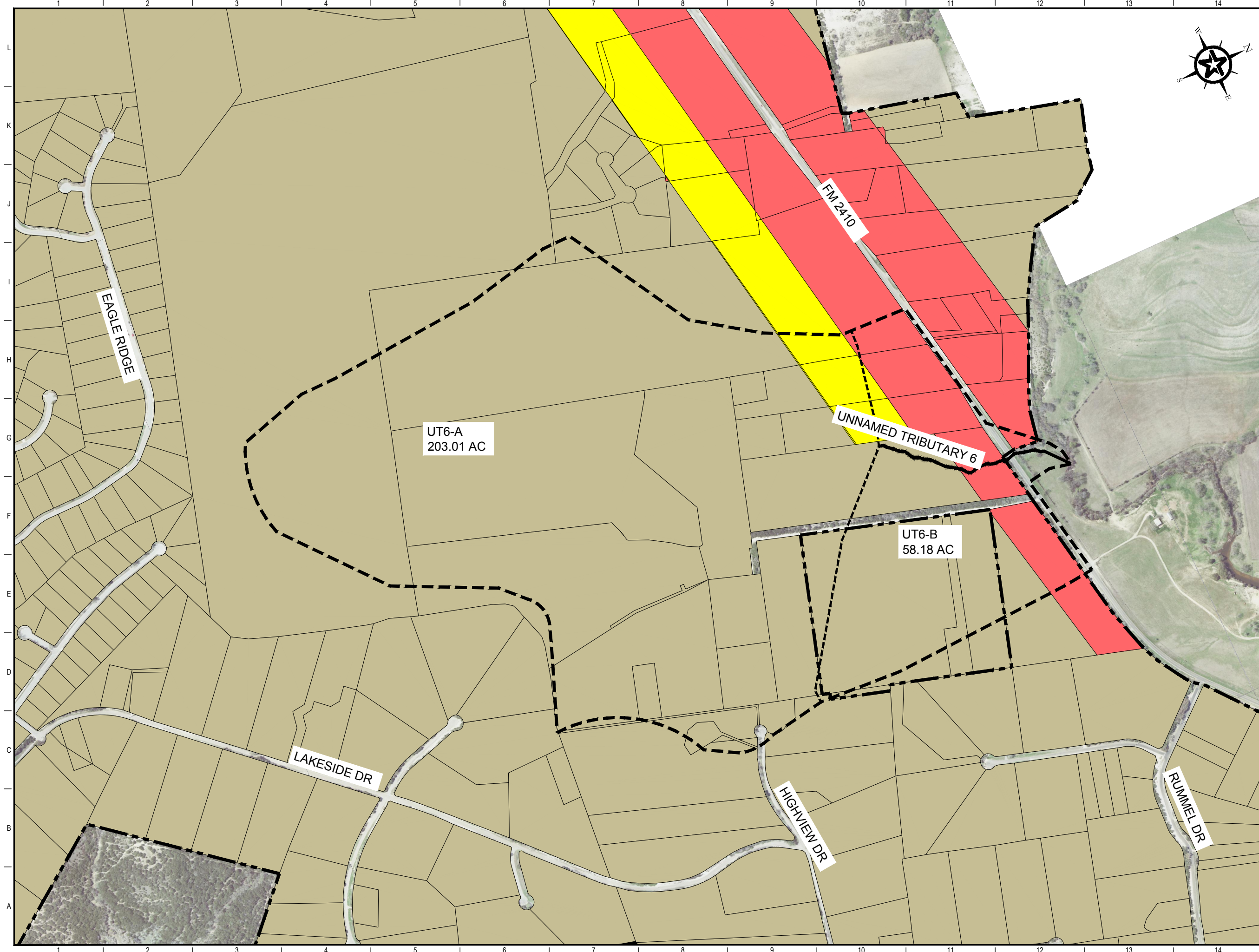
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 5**

**PRELIMINARY FOR REVIEW ONLY**

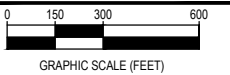
<small>THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.</small>	DESIGNED	OEW
	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>D110</b>

G:\PROJECTS\2-01366\DWG\2-01366 LAND USE DEVELOPED EXHIBIT.DWG, D111 UNNAMED TRIBUTARY 6, 4/17/2015 8:22:59 AM, kmaxwell

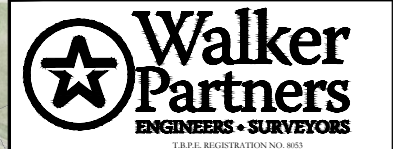


**MAP LEGEND**

- DRAINAGE BASIN
- DRAINAGE SUBBASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- SINGLE FAMILY RESIDENTIAL
- MIXED RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- MOBILE HOME PARK
- COMMERCIAL
- MANUFACTURING/INDUSTRIAL
- PARKS/UNDEVELOPED



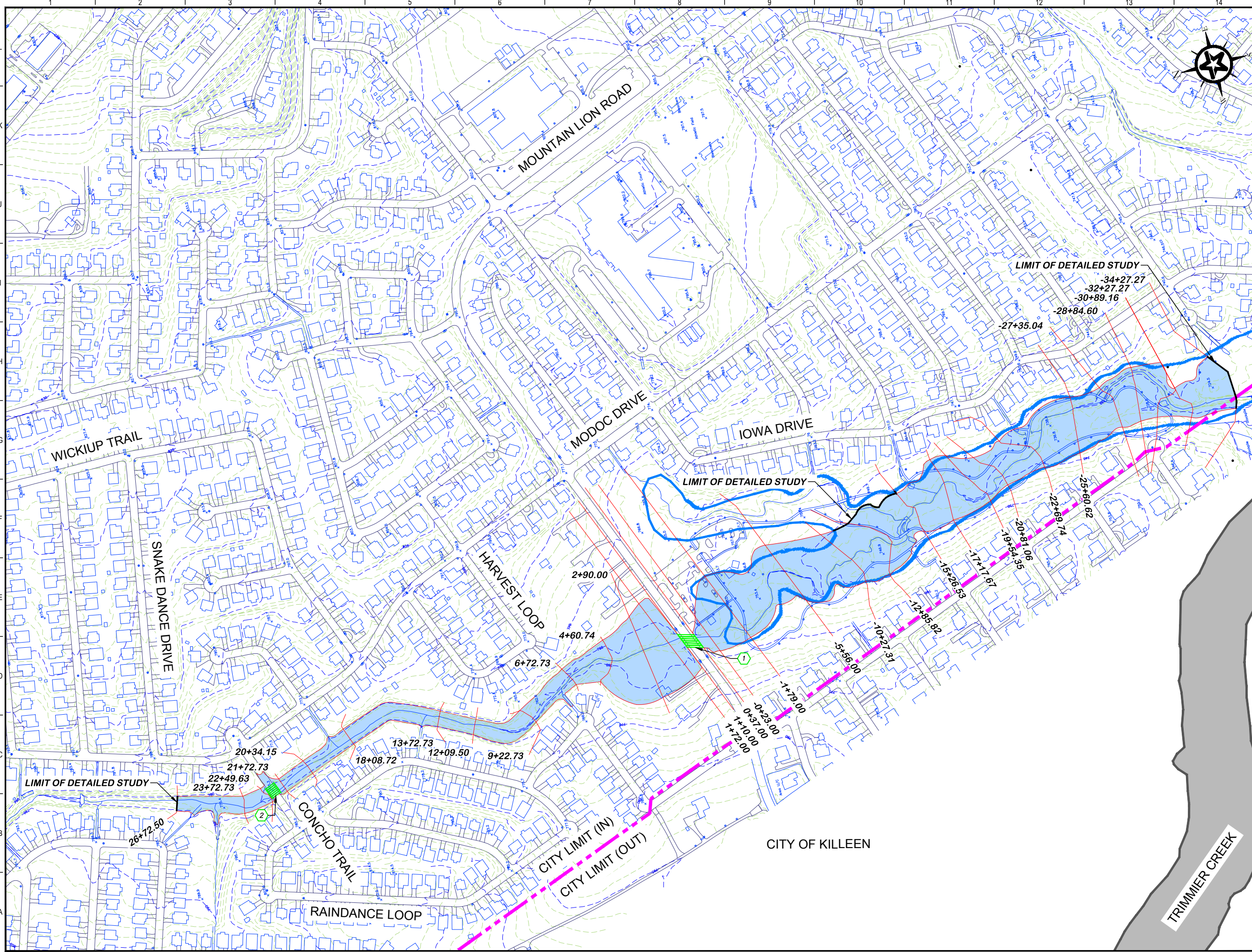
REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 6**

<b>PRELIMINARY FOR REVIEW ONLY</b>									
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DESIGNED	OEW								
DRAFTED	NLK								
CHECKED	KAM								
PROJECT NO.	2-01366								
FIGURE: <span style="font-size: large; font-weight: bold;">D111</span>									

G:\PROJECTS\2-01366\DWG\2-01366 ACT-COMBINED SURFACE.DWG, CE100 ACORN CREEK TRIBUTARY, 2/2/2015 9:53:11 AM, kmaxwell



**KEY NOTES**

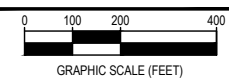
- 1 EXISTING 6'-8"x6' R.C.B. CULVERTS (MOUNTAIN LION ROAD)
- 2 EXISTING 6'-8"x4' R.C.B. CULVERTS (CONCHO TRAIL)

**GENERAL NOTES**

FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0295E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 ACORN CREEK TRIBUTARY

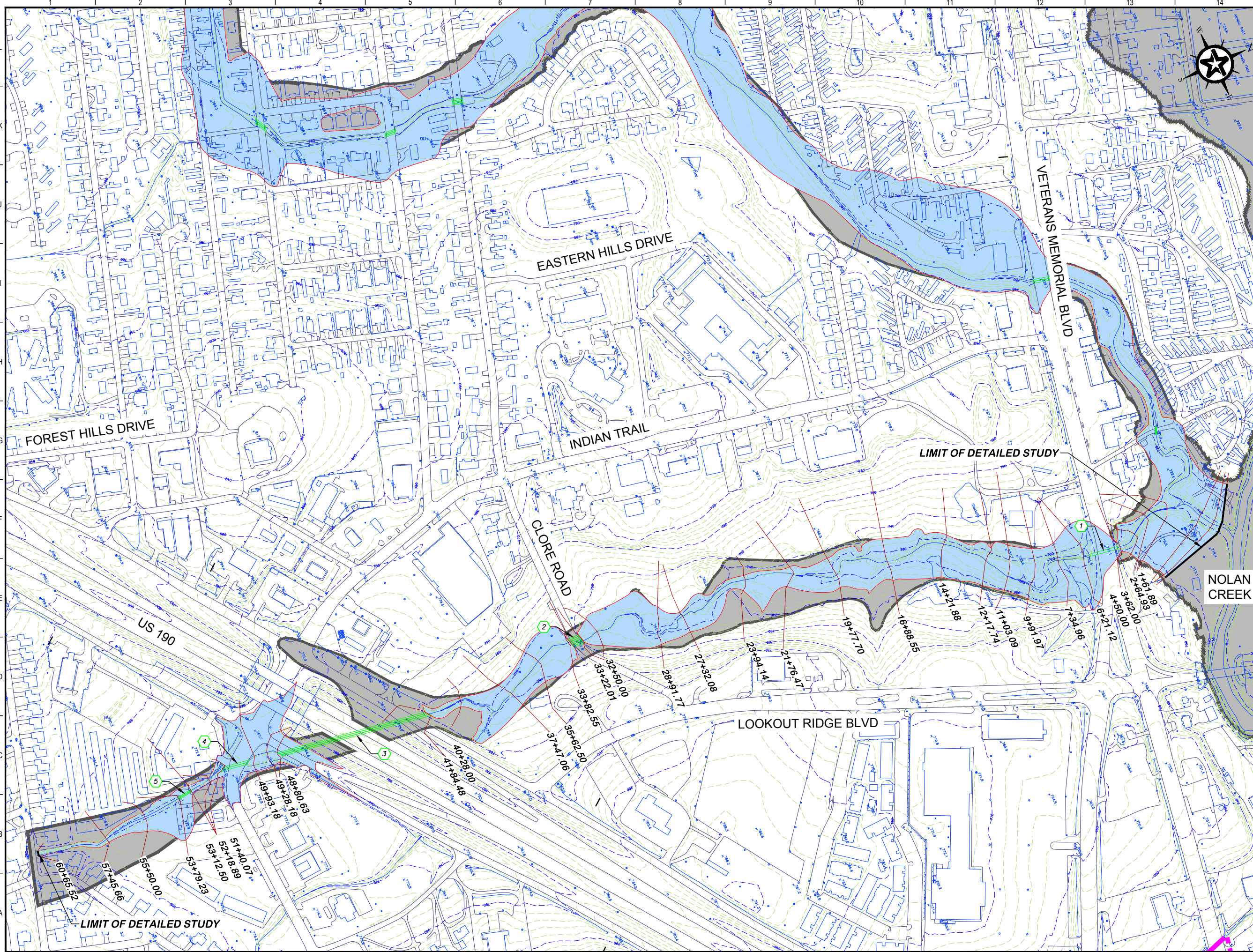
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DESIGNED	OEW
DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366

FIGURE:  
**CE100**

G:\PROJECTS\2-01366\DWG\2-01366 HHT2-COMBINED SURFACE.DWG, CE101 HARKER HEIGHTS TRIBUTARY 1, 3/12/2015 8:15:41 AM, knaxwell



**KEY NOTES**

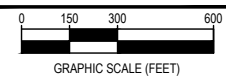
- 1 EXISTING 10'X10" R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
- 2 EXISTING 6-7'X4' R.C.B. CULVERTS (CLORE ROAD)
- 3 EXISTING 3-6'X4' R.C.B. CULVERTS (US 190)
- 4 EXISTING 2-8'X4' R.C.B. CULVERTS (INDIAN TRAIL)
- 5 EXISTING 2-48" R.C.B. CULVERTS (STORAGE BUILDING ROAD)

**GENERAL NOTES**

FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

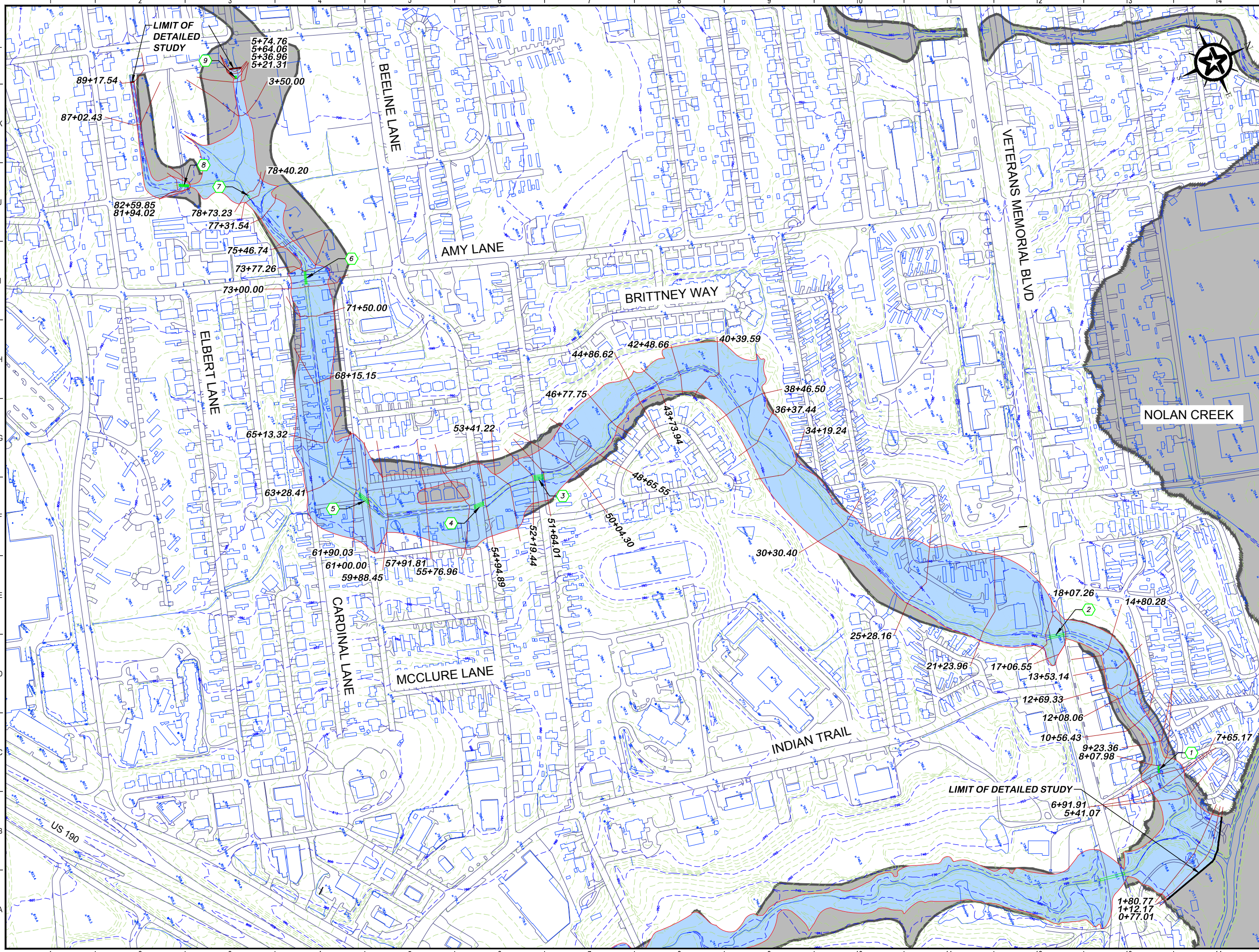


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 1**

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DESIGNED	OEW
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CHECKED	KAM
PROJECT NO.	2-01366
FIGURE: <b>CE101</b>	

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G:\PROJECTS\2-01366\DWG\2-01366 HHT2-COMBINED SURFACE.DWG, CE102 HARKER HEIGHTS TRIBUTARY 2, 3/12/2015 8:17:52 AM, knaxwell



### KEY NOTES

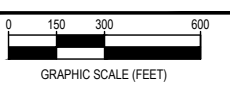
- 1 EXISTING 7'X3' R.C.B. CULVERT AND 24" R.C.P. CULVERT (E 6TH AVE)
- 2 EXISTING 2-8'X8' R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
- 3 EXISTING 4-6'X4' R.C.B. CULVERTS (CLORE ROAD)
- 4 EXISTING 3-6'X5' R.C.B. CULVERTS (BEELINE LANE)
- 5 EXISTING 3-6'X5' R.C.B. CULVERTS (ROBIN ROAD)
- 6 EXISTING 2-48" R.C.P. CULVERTS (AMY LANE)
- 7 EXISTING 7'X4' R.C.B. CULVERT (GOODE-CONNELL PARK)
- 8 EXISTING 3-36" R.C.B. CULVERTS (GOODE-CONNELL PARK)
- 9 EXISTING 3-24" R.C.B. CULVERTS (GOODE-CONNELL PARK)

### GENERAL NOTES

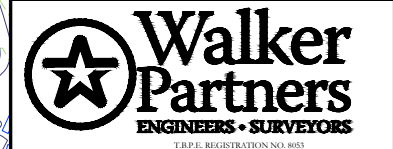
FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

### MAP LEGEND

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



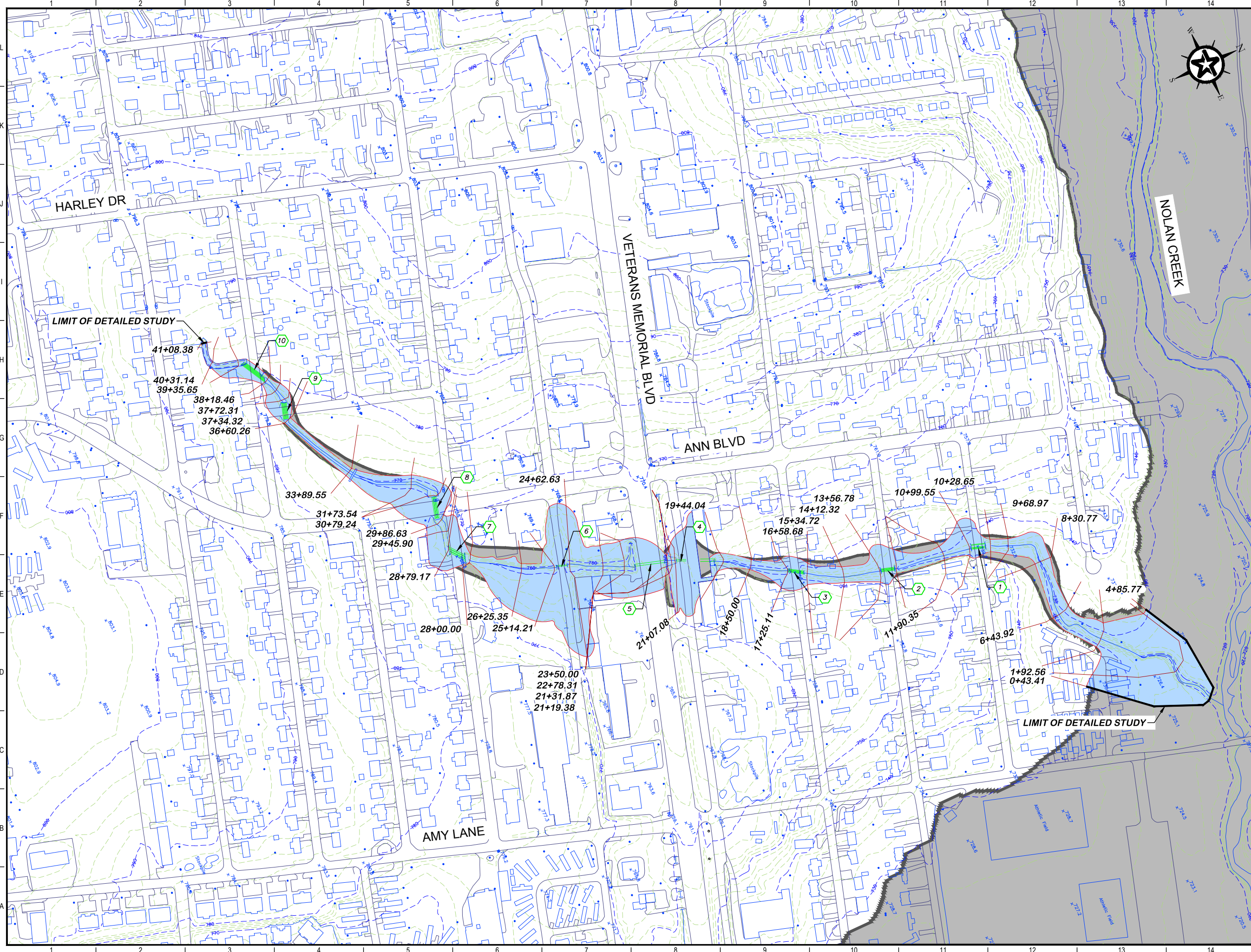
REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 2**

PRELIMINARY FOR REVIEW ONLY	
DESIGNED	OEK
DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366
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FIGURE:	<b>CE102</b>

G:\PROJECTS\2-01366\DWG\2-01366 HHT3-COMBINED SURFACE.DWG, CE 103 HARKER HEIGHTS TRIBUTARY 3, 2/2/2015 10:07:54 AM, kmaxwell



**KEY NOTES**

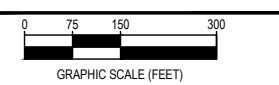
- 1 EXISTING 3-30" R.C.P. CULVERTS (E BALL ROAD)
- 2 EXISTING 3-30" R.C.P. CULVERTS (TURNBO ROAD)
- 3 EXISTING 3-30" R.C.P. CULVERTS (E VALLEY ROAD)
- 4 EXISTING 60" R.C.P. CULVERT (COX DRIVE)
- 5 EXISTING 7'X6" R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
- 6 EXISTING 36" R.C.P. CULVERT (KATHEY ROAD)
- 7 EXISTING 3-42" R.C.P. CULVERTS (E ARLO ROAD)
- 8 EXISTING 3-42" R.C.P. CULVERTS (S ANN BLVD)
- 9 EXISTING 4-36" R.C.P. CULVERTS (JANIE DRIVE)
- 10 EXISTING 4-30" R.C.P. CULVERTS (STACIE ROAD)

**GENERAL NOTES**

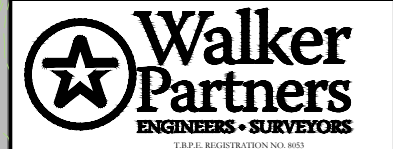
FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



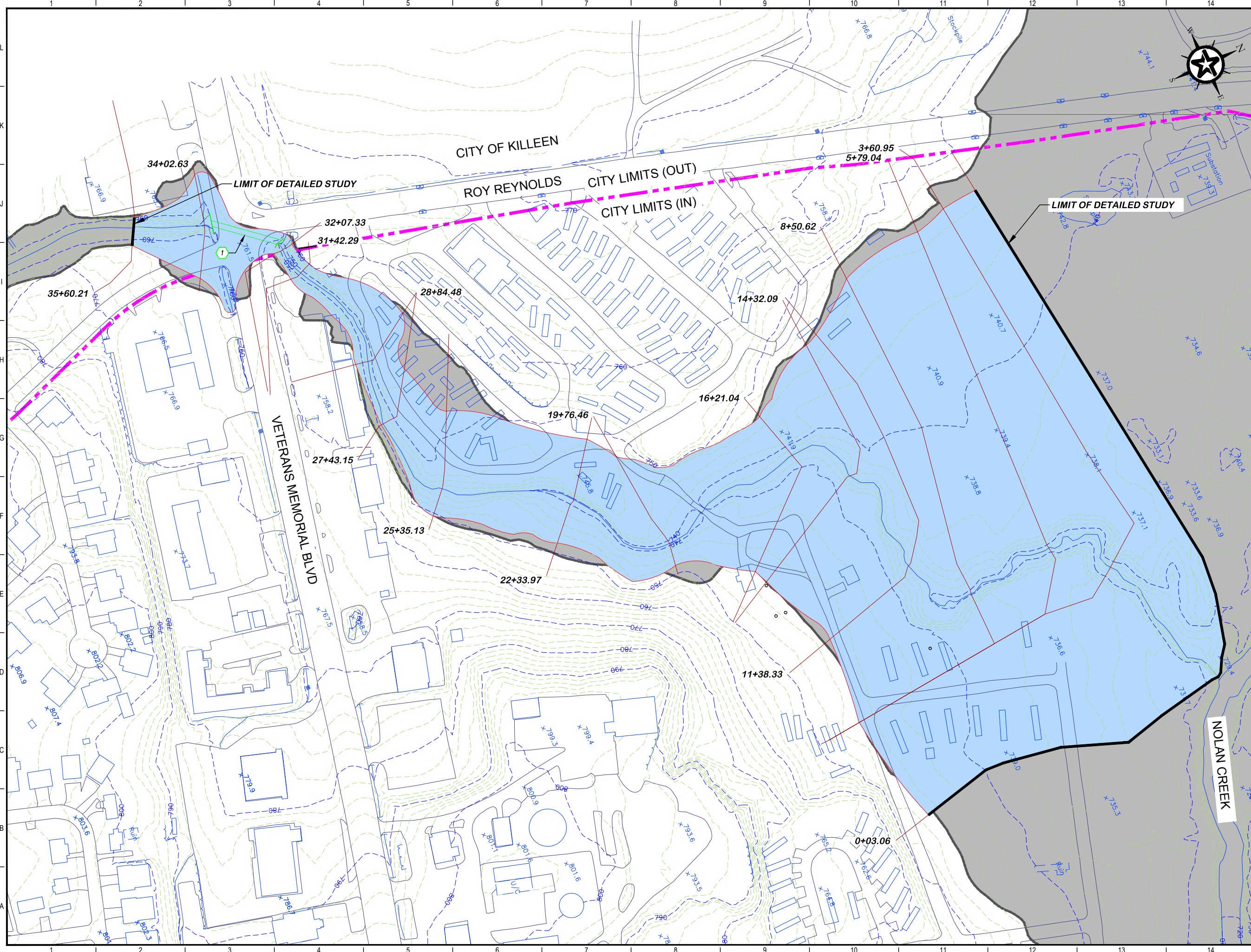
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 3**

PRELIMINARY FOR REVIEW ONLY	
DESIGNED	OEK
DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366
FIGURE: CE 103	

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G:\PROJECTS\2-01366\DWG\2-01366 HHT4-COMBINED SURFACE.DWG, CE104 HARKER HEIGHTS TRIBUTARY 4, 2/2/2015 10:10:56 AM, knaxwell



- 1 EXISTING 12"x10" R.C.B. CULVERT (VETERANS MEMORIAL BLVD.)

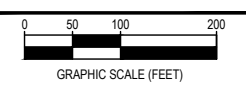


**GENERAL NOTES**

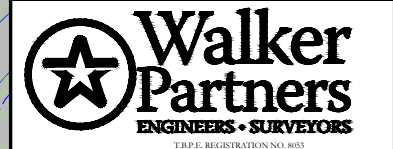
FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

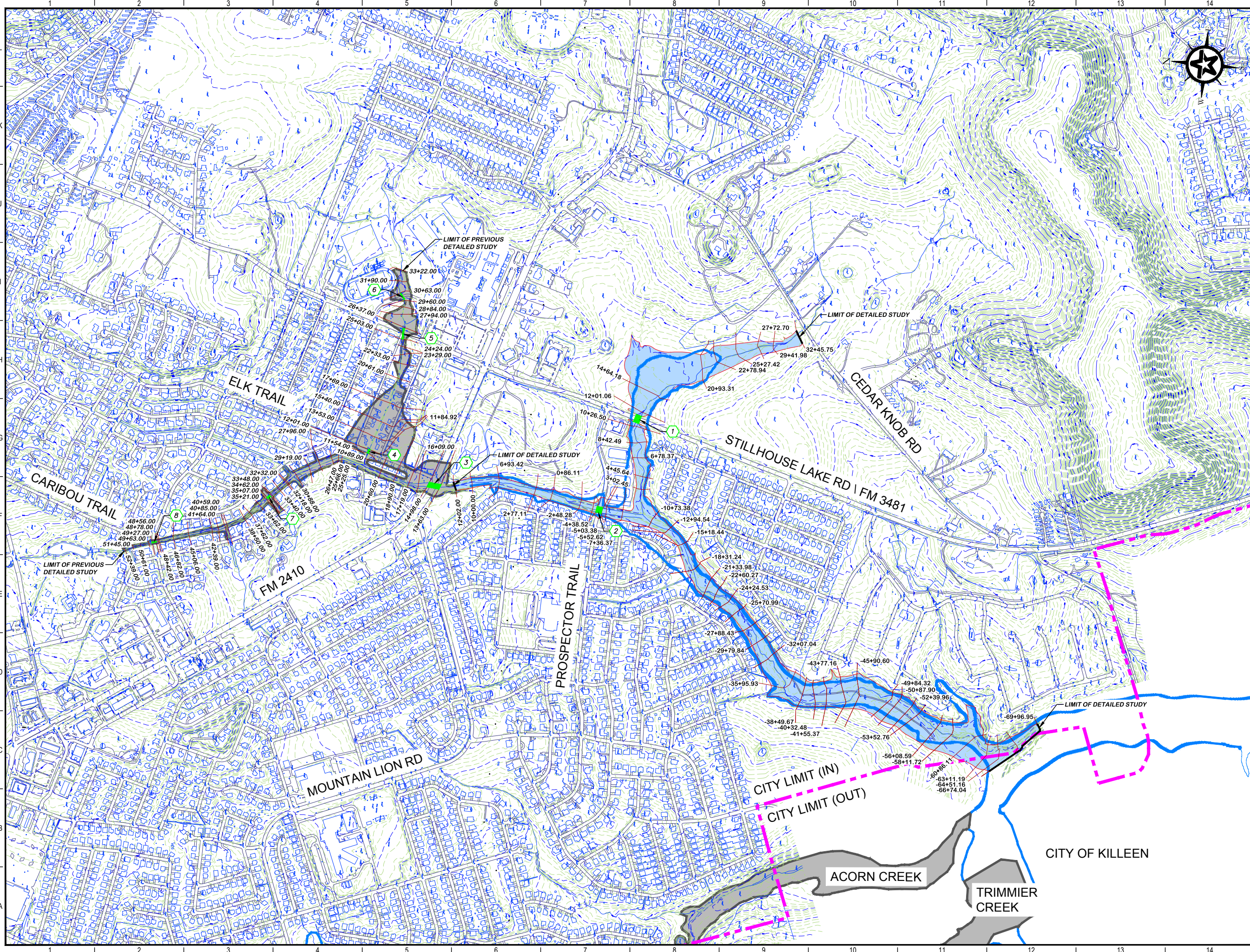


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 4**

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>CE104</b>

G:\PROJECTS\2-01366\DWG\2-01366 TCT-COMBINED SURFACE.DWG, CE104 TRIMMIER CREEK TRIBUTARY, 2/2/2015 10:17:25 AM, kmaxwell



**KEY NOTES**

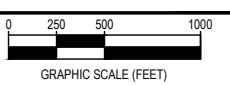
- 1 EXISTING 6-6'X10' R.C.B. CULVERTS (FM 3481)
- 2 EXISTING 8-8'X3.6' R.C.B. CULVERTS (PROSPECTOR TRAIL)
- 3 EXISTING 6-7'X4' R.C.B. CULVERTS (FM 2410)
- 4 EXISTING 2-8'X4' R.C.B. CULVERTS (WILDEWOOD DRIVE)
- 5 EXISTING 2-72" R.C.P. CULVERTS (VERNA LEE BLVD)
- 6 EXISTING 2-4' R.C.B. CULVERTS (ASPHALT ROAD)
- 7 EXISTING 3-6'X4' R.C.B. CULVERTS (ELAND TRAIL)
- 8 EXISTING 2-7'X4' R.C.B. CULVERTS & 1-10'X4' R.C.B. CULVERT (PIONEER TRAIL)

**GENERAL NOTES**

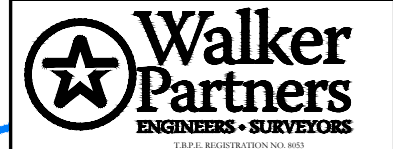
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A/AE  
 FIRM NUMBER: 48027C0295E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



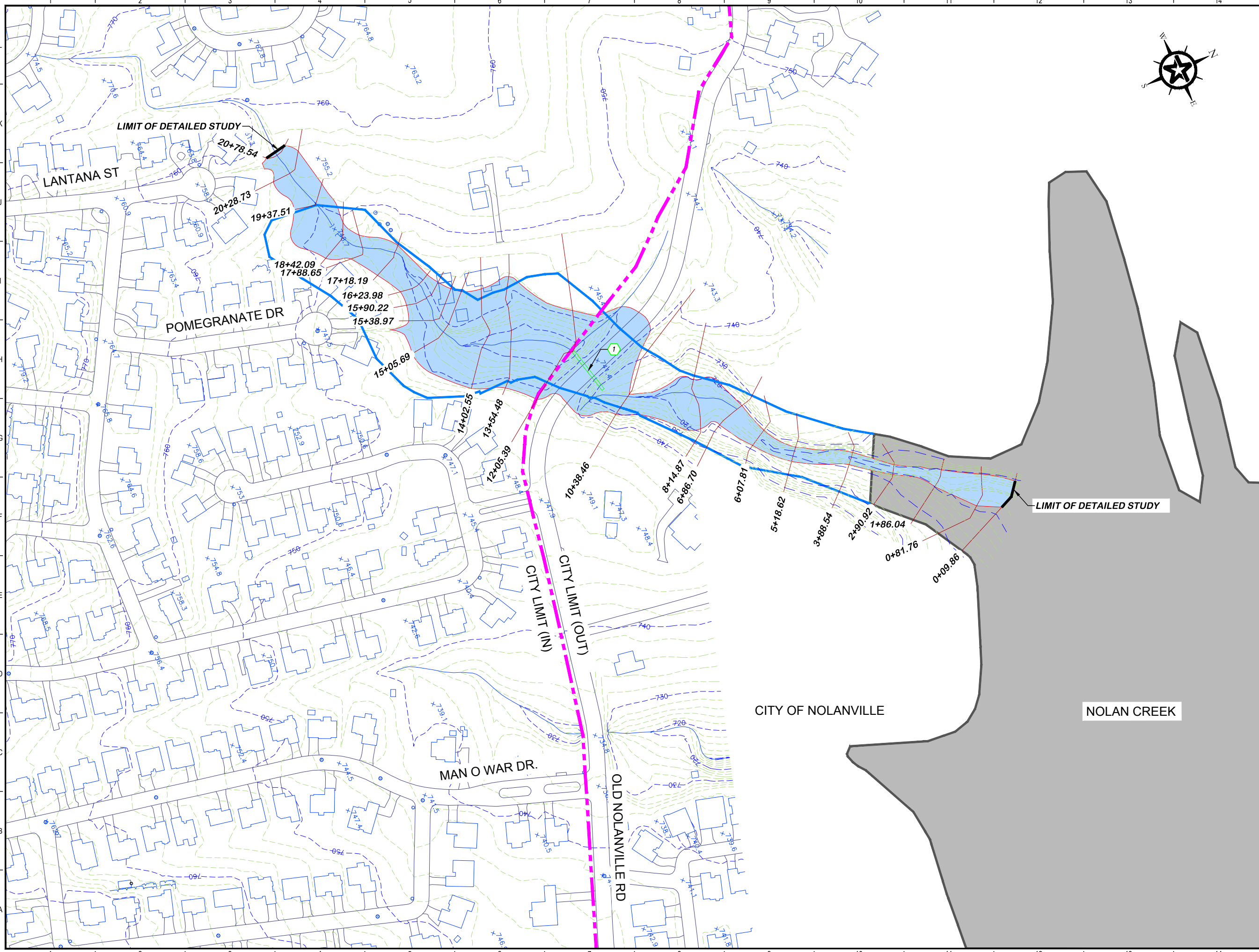
REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 TRIMMIER CREEK TRIBUTARY  
 PRELIMINARY FOR REVIEW ONLY

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	CE105

G:\PROJECTS\2-01366\DWG\2-01366 UT 1-COMBINED SURFACE.DWG, FP105 UNNAMED TRIBUTARY 1, 2/2/2015 10:23:48 AM, kmaxwell



**KEY NOTES**

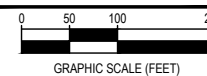
1 EXISTING 72" C.M.P. CULVERT (OLD NOLANVILLE ROAD)

**GENERAL NOTES**

FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

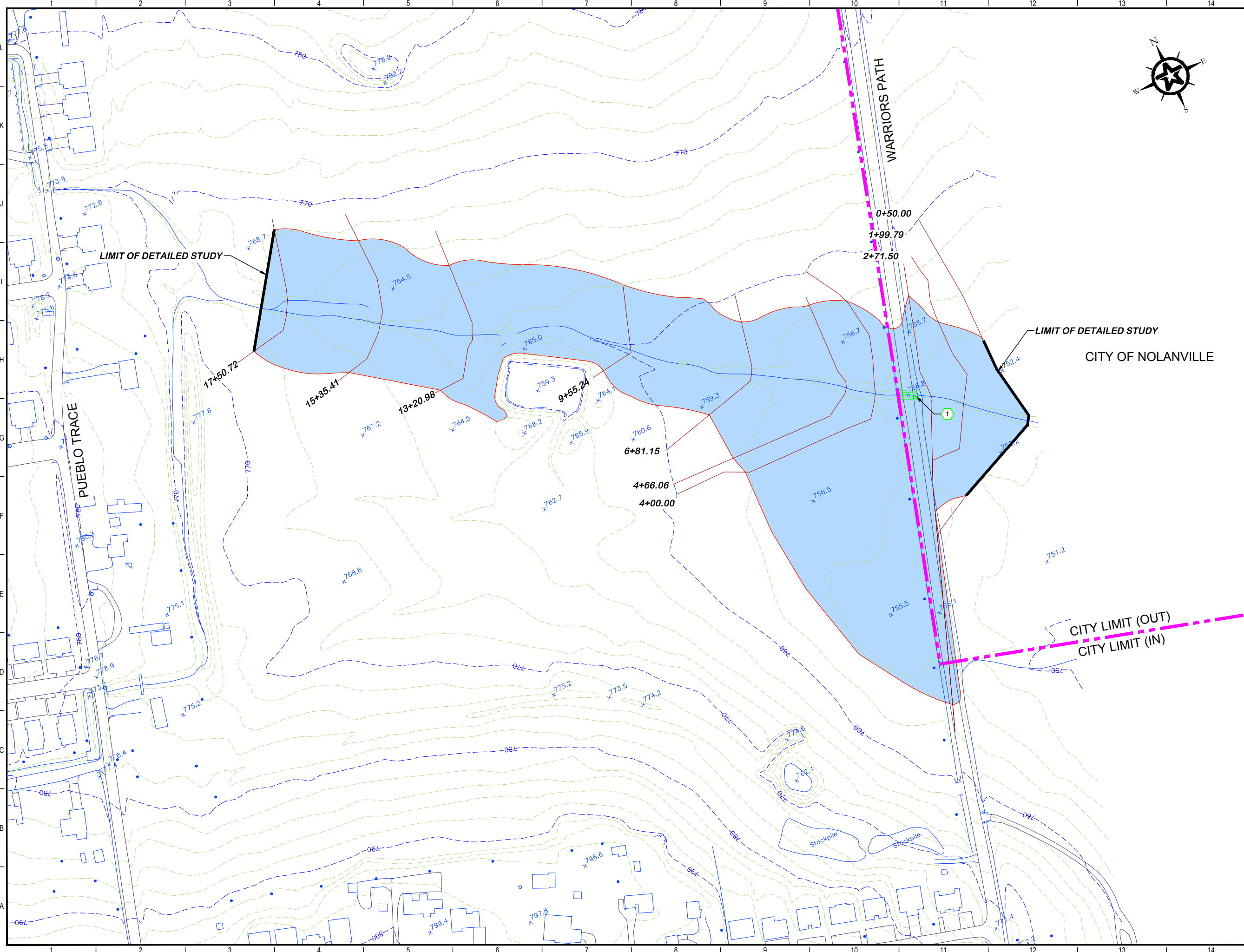


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 UNNAMED TRIBUTARY 1  
 PRELIMINARY FOR REVIEW ONLY

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DESIGNED	OEW
DRAFTED	NLK
CHECKED	KAM
PROJECT NO.	2-01366
FIGURE:	<b>CE106</b>

G:\PROJECTS\2-01366\DWG\2-01366 UT 2-COMBINED SURFACE.DWG, CE106 UNNAMED TRIBUTARY 2, 2/2/2015 10:28:31 AM, kmaxwell



**KEY NOTES**

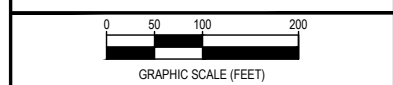
- 1 EXISTING 3-42" C.M.P. CULVERT (WARRIORS PATH)

**GENERAL NOTES**

FEMA SPECIAL FLOOD HAZARD AREA: NONE  
 FIRM NUMBER: 48027C0295E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**

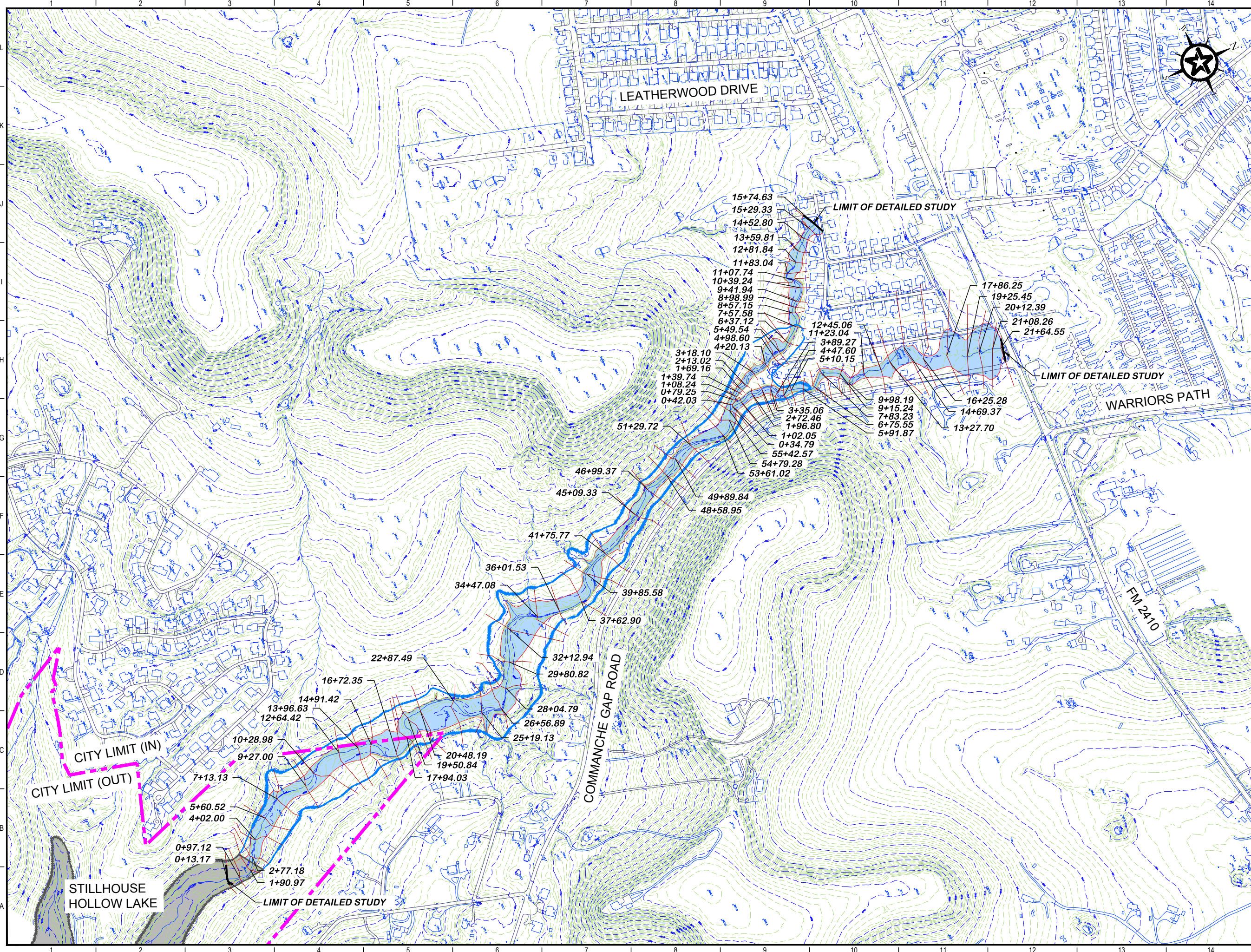
**HARKER HEIGHTS DRAINAGE MASTER PLAN**

**UNNAMED TRIBUTARY 2**

**PRELIMINARY FOR REVIEW ONLY**

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	CE107

G:\PROJECTS\2-01366\DWG\2-01366 UT 3 SURFACE.DWG, CE107 UNNAMED TRIBUTARY 3, 2/2/2015 10:33:43 AM, kmaxwell



KEY NOTES

GENERAL NOTES

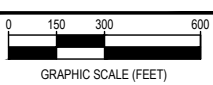
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0295E  
 REVISION DATE: SEPTEMBER 26, 2008

GENERAL NOTES

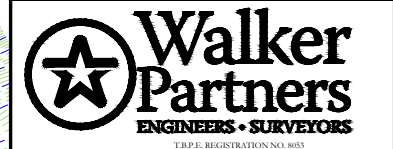
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0295E  
 REVISION DATE: SEPTEMBER 26, 2008

MAP LEGEND

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

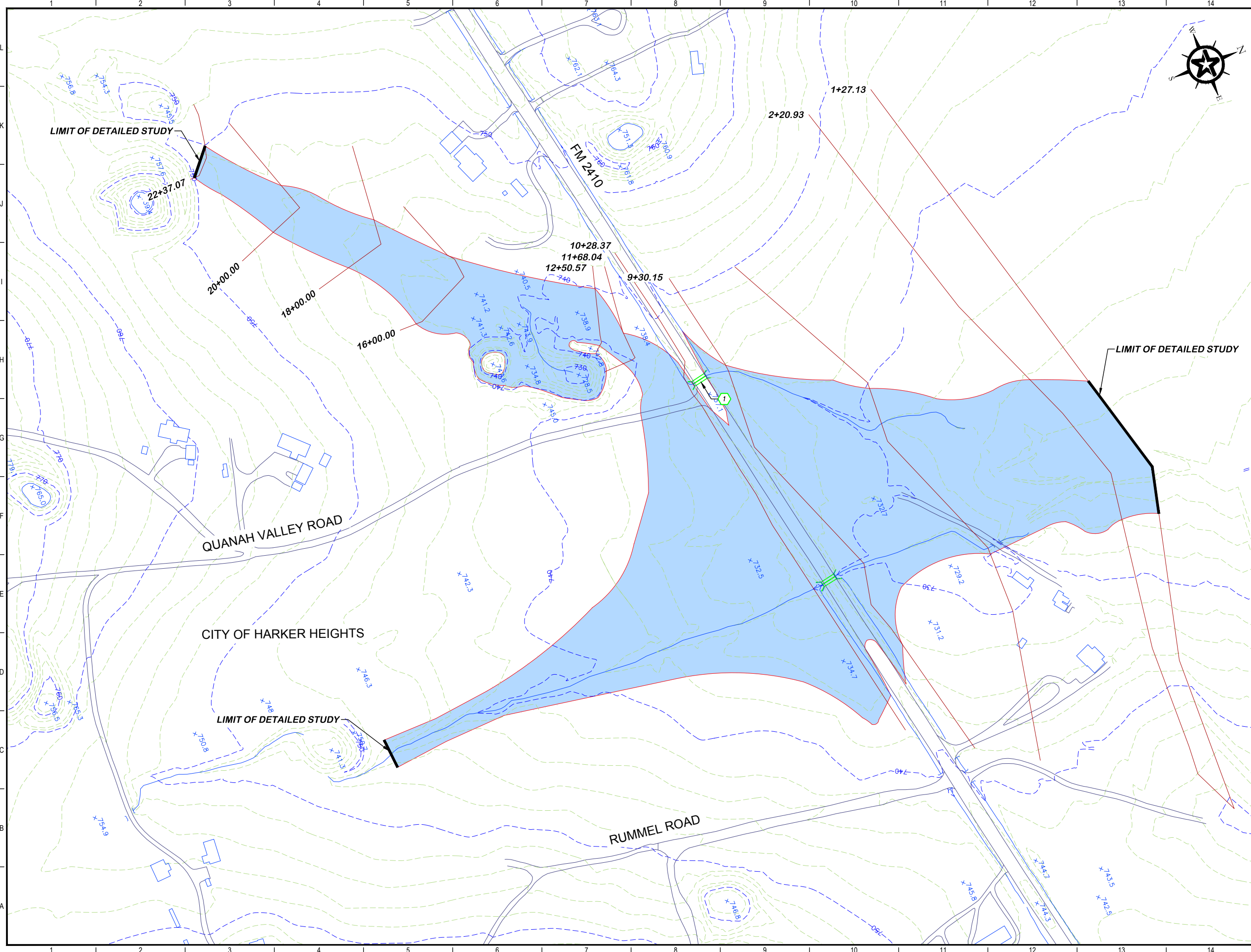


CITY OF HARKER HEIGHTS  
 HARKER HEIGHTS DRAINAGE MASTER PLAN  
 UNNAMED TRIBUTARY 3

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	CE108

G:\PROJECTS\2-01366\DWG\2-01366 UT 4&5-COMBINED SURFACE.DWG, CE108 UNNAMED TRIBUTARY 4, 2/2/2015 10:37:53 AM, kmaxwell



**KEY NOTES**

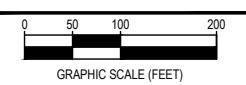
1 EXISTING 2'-6"x4' R.C.B. CULVERTS (FM 2410)

**GENERAL NOTES**

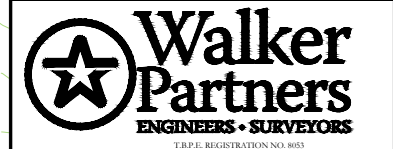
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0325E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

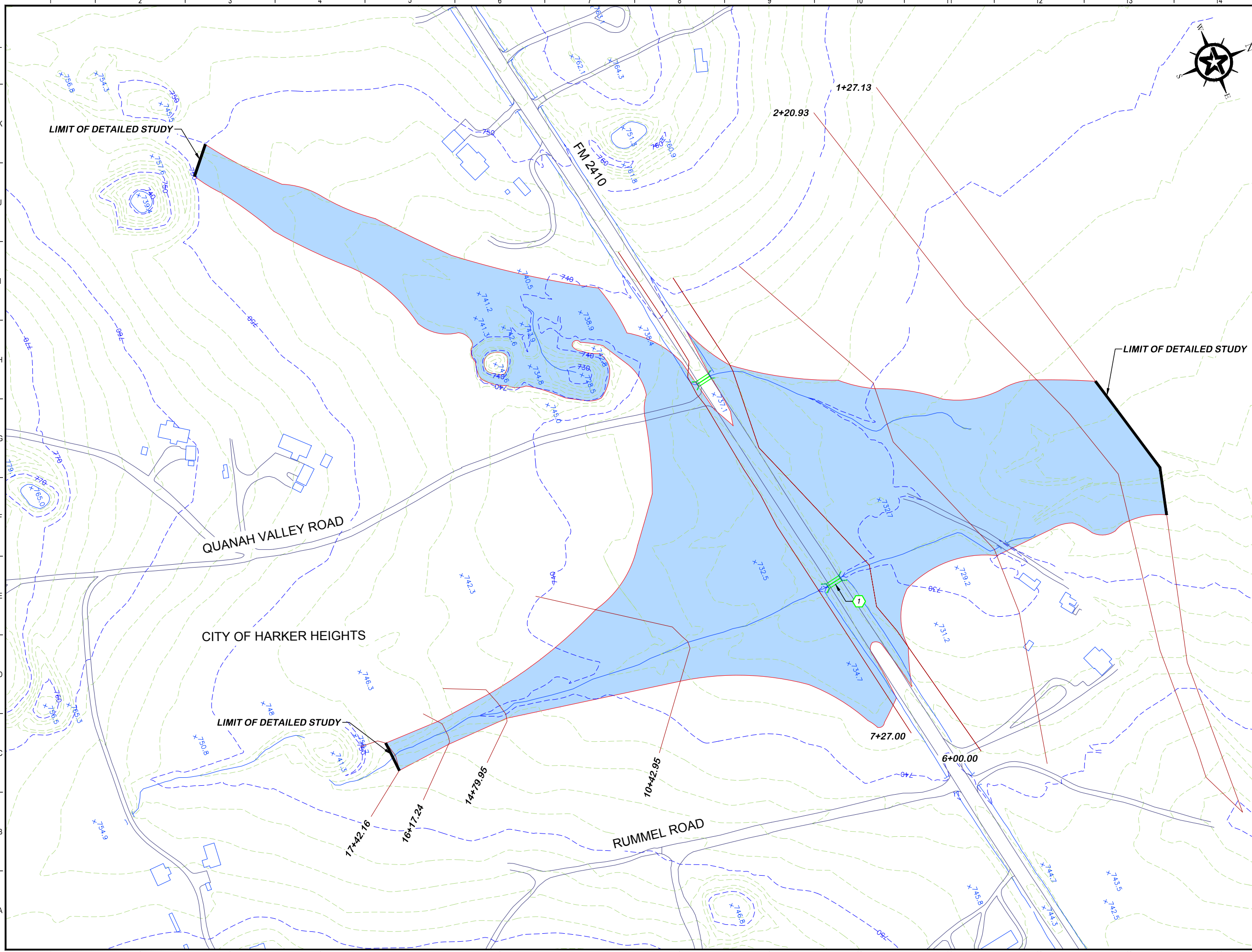


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**UNNAMED TRIBUTARY 4**

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>CE109</b>

G:\PROJECTS\2-01366\DWG\2-01366 UT 4&5-COMBINED SURFACE.DWG, UNNAMED TRIBUTARY 5, 2/2/2015 10:39:39 AM, kmaxwell



**KEY NOTES**

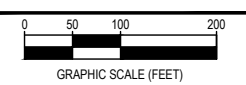
1 EXISTING 2-6'x5' R.C.B. CULVERTS (FM 2410)

**GENERAL NOTES**

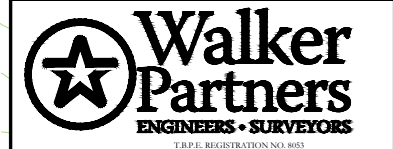
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0325E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE

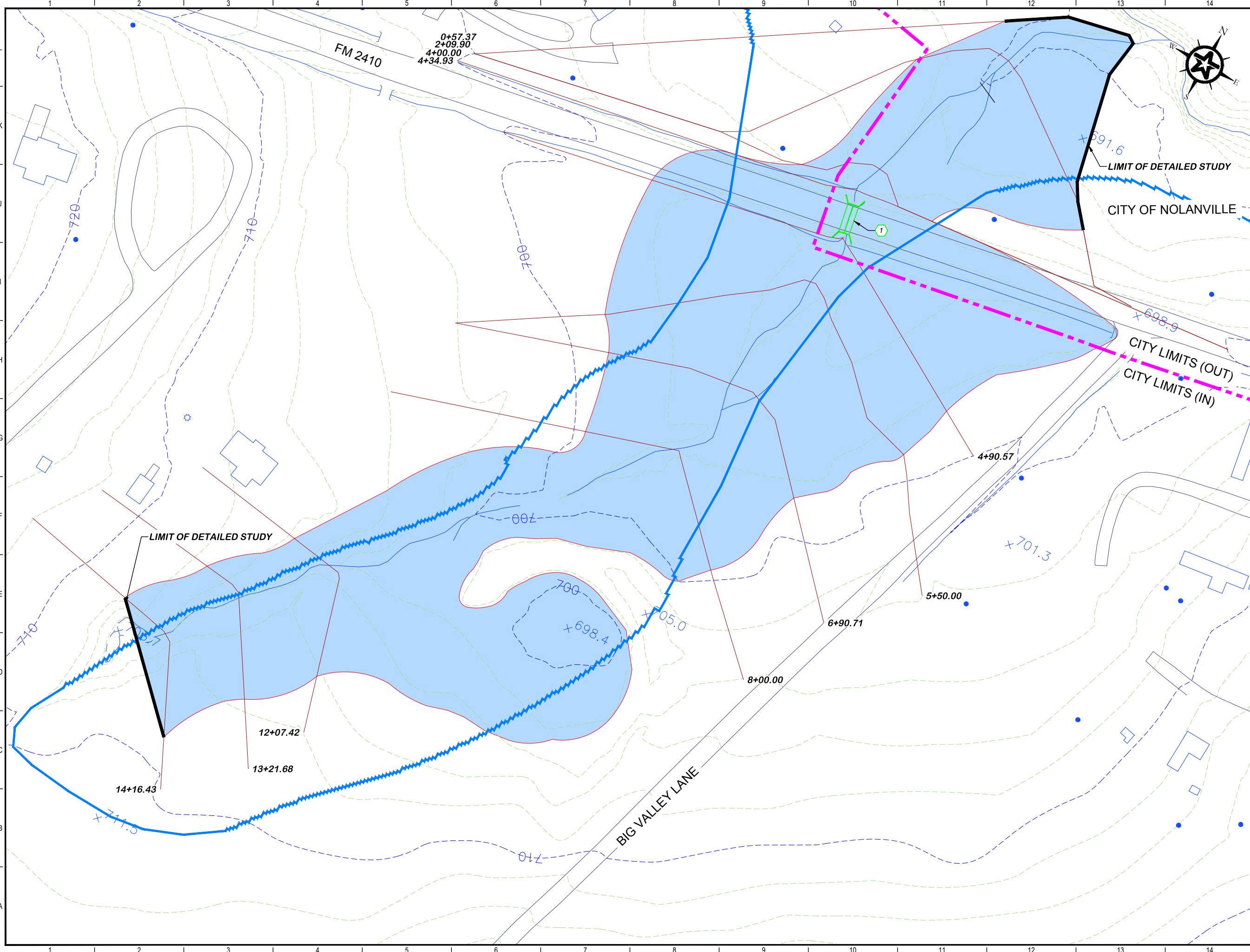


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 UNNAMED TRIBUTARY 5

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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	CE110

G:\PROJECTS\2-01366\DWG\2-01366 UT 6-COMBINED SURFACE.DWG, CE109 UNNAMED TRIBUTARY 6, 2/2/2015 10:49:41 AM, kmaxwell



**KEY NOTES**

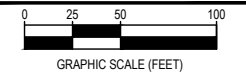
1 EXISTING 2 - 6'x5' R.C.B CULVERTS (FM 2410)

**GENERAL NOTES**

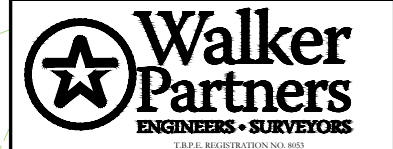
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A  
 FIRM NUMBER: 48027C0325E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- - - HARKER HEIGHTS CITY LIMIT
- EXISTING FEMA ZONE A
- EXISTING FEMA ZONE AE
- CALCULATED EXISTING 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



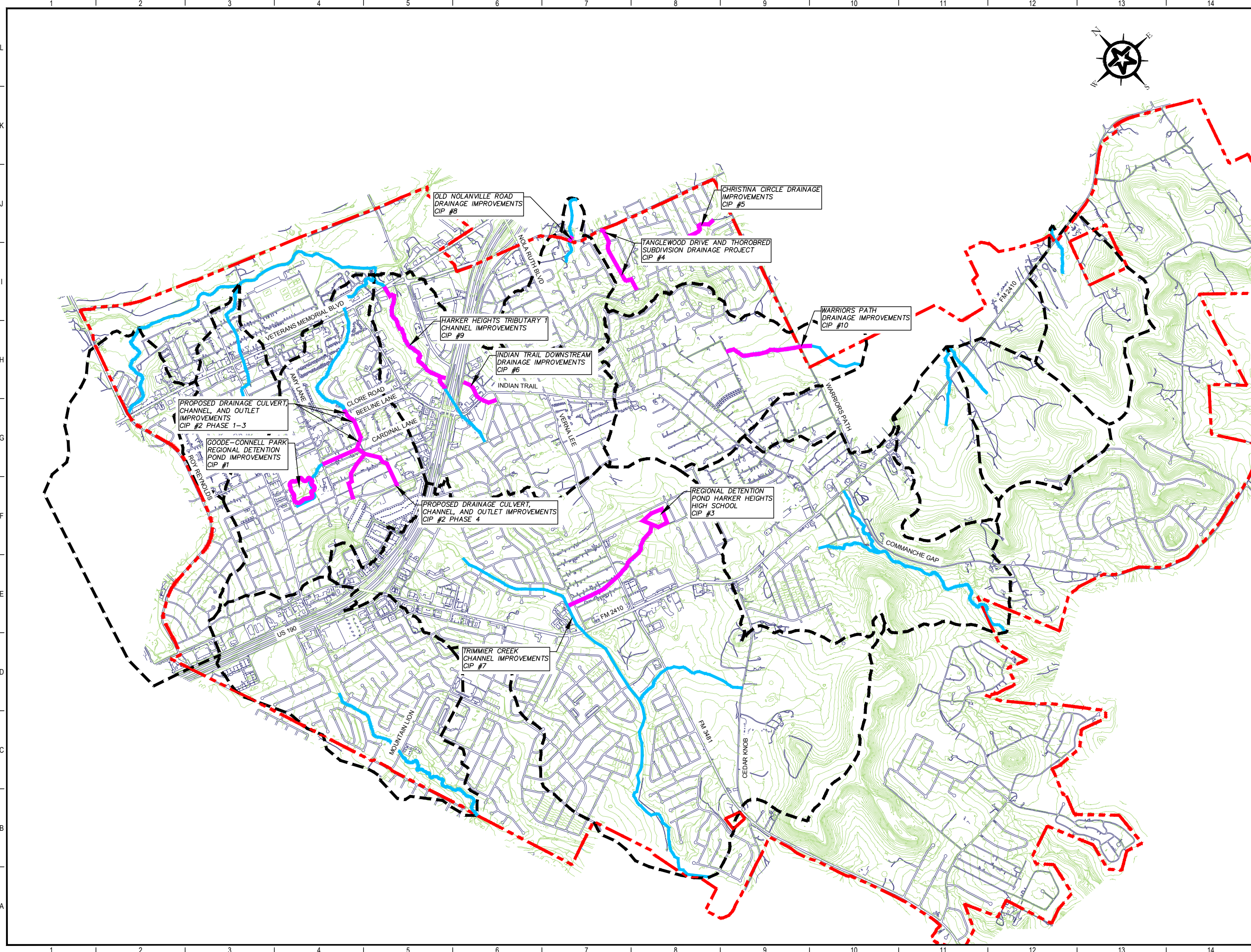
**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
 UNNAMED TRIBUTARY 6

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	DRAFTED	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>CE111</b>

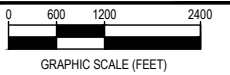


G:\PROJECTS\2-01366\DWG\2-01366 HARKER HEIGHTS DRAINAGE MASTER PLAN OVERVIEW.DWG, CAPITAL IMPROVEMENTS VICINITY MAP, 3/11/2015 1:00:23 PM, kmaxwell

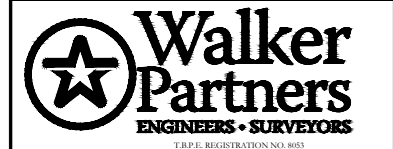


**MAP LEGEND**

- DRAINAGE BASIN
- STREAM
- HARKER HEIGHTS CITY LIMIT
- CIP IMPROVEMENTS



REV.	DESCRIPTION	DATE

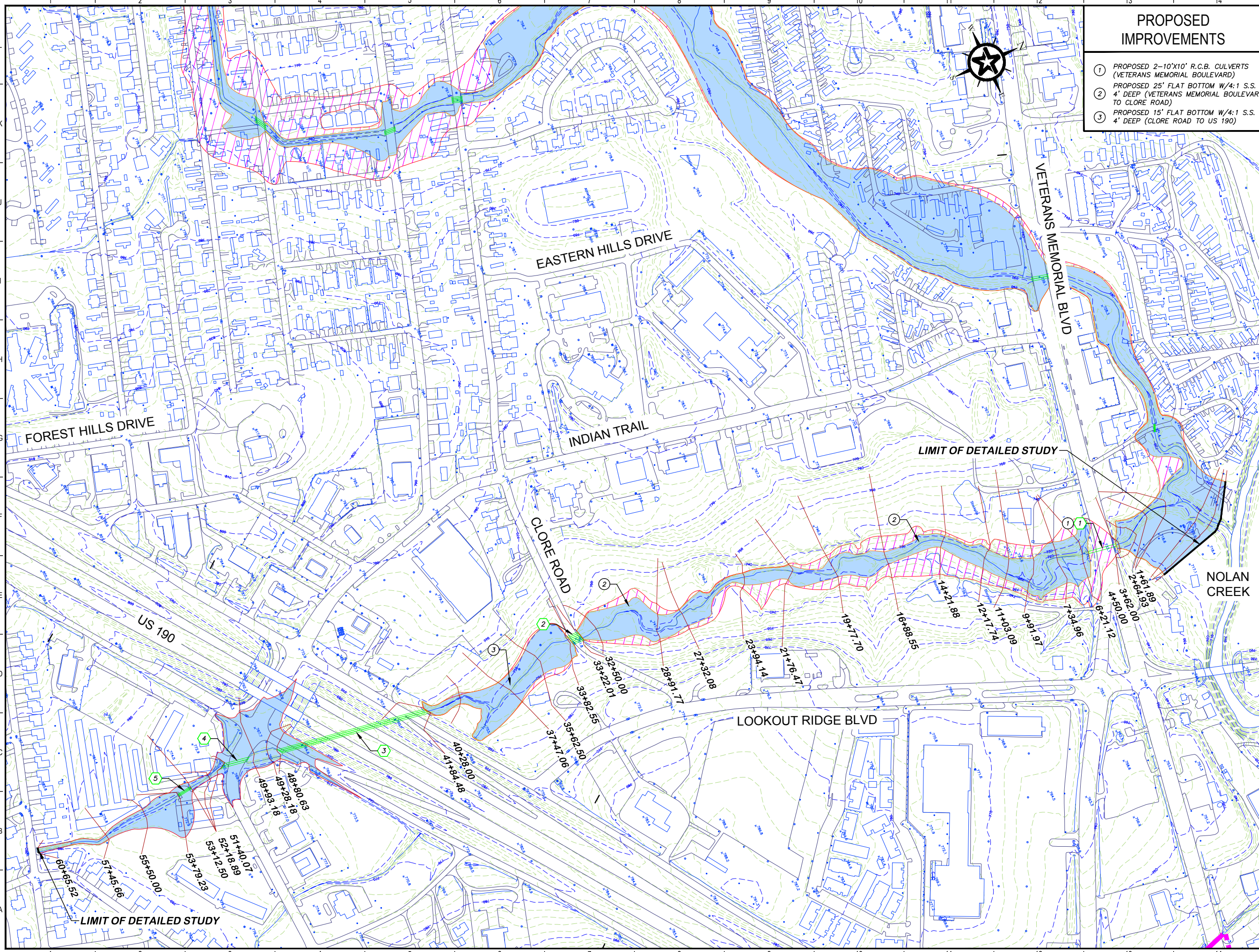


**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**CAPITAL IMPROVEMENTS MAP**

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	DRAWN	NLK
	CHECKED	KAM
	PROJECT NO.	2-01366
	FIGURE:	<b>C002</b>

G:\PROJECTS\2-01366\DWG\2-01366 HHT2-COMBINED SURFACE.DWG, HARKER HEIGHTS TRIBUTARY 1, 3/11/2015 5:10:43 PM, knmaxwell



- ### PROPOSED IMPROVEMENTS
- ① PROPOSED 2-10'X10' R.C.B. CULVERTS (VETERANS MEMORIAL BOULEVARD)
  - ② PROPOSED 25' FLAT BOTTOM W/4:1 S.S. 4' DEEP (VETERANS MEMORIAL BOULEVARD TO CLORE ROAD)
  - ③ PROPOSED 15' FLAT BOTTOM W/4:1 S.S. 4' DEEP (CLORE ROAD TO US 190)

- ### KEY NOTES
- ① EXISTING 10'X10' R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
  - ② EXISTING 6-7'X4' R.C.B. CULVERTS (CLORE ROAD)
  - ③ EXISTING 3-6'X4' R.C.B. CULVERTS (US 190)
  - ④ EXISTING 2-8'X4' R.C.B. CULVERTS (INDIAN TRAIL)
  - ⑤ EXISTING 2-48" R.C.B. CULVERTS (STORAGE BUILDING ROAD)

### GENERAL NOTES

FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

- ### MAP LEGEND
- HARKER HEIGHTS CITY LIMIT
  - CALCULATED EXISTING 100 YR FLOODPLAIN
  - PROPOSED IMPROVEMENT 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 1**

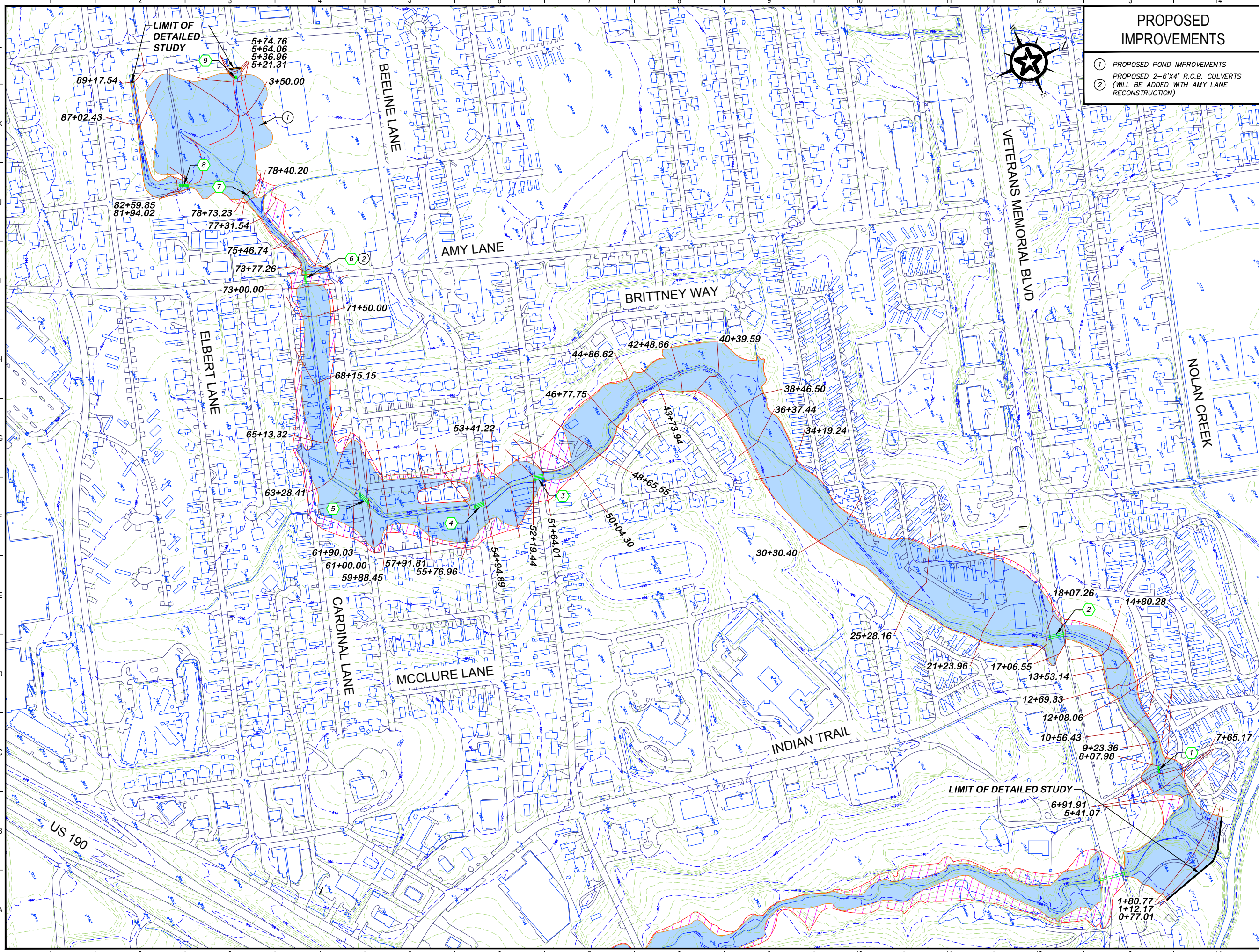
PRELIMINARY FOR REVIEW ONLY

DESIGNED	OEW
DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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FIGURE:  
**IC101**

G:\PROJECTS\2-01366\DWG\2-01366 HHT2-COMBINED SURFACE.DWG, IC102-A HARKER HEIGHTS TRIBUTARY 2, 3/11/2015 4:02:47 PM, kmaxwell



**PROPOSED IMPROVEMENTS**

- ① PROPOSED POND IMPROVEMENTS
- ② PROPOSED 2-6'X4' R.C.B. CULVERTS (WILL BE ADDED WITH ANY LANE RECONSTRUCTION)

**KEY NOTES**

- ① EXISTING 7'X3' R.C.B. CULVERT AND 24" R.C.P. CULVERT (E 6TH AVE)
- ② EXISTING 2-8'X8' R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
- ③ EXISTING 4-6'X4' R.C.B. CULVERTS (CLORE ROAD)
- ④ EXISTING 3-6'X5' R.C.B. CULVERTS (BEELINE LANE)
- ⑤ EXISTING 3-6'X5' R.C.B. CULVERTS (ROBIN ROAD)
- ⑥ EXISTING 2-48" R.C.P. CULVERTS (AMY LANE)
- ⑦ EXISTING 7'X4' R.C.B. CULVERT (GOODE-CONNELL PARK)
- ⑧ EXISTING 3-36" R.C.B. CULVERTS (GOODE-CONNELL PARK)
- ⑨ EXISTING 3-24" R.C.B. CULVERTS (GOODE-CONNELL PARK)

**GENERAL NOTES**

FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

**MAP LEGEND**

- HARKER HEIGHTS CITY LIMIT
- CALCULATED EXISTING 100 YR FLOODPLAIN
- PROPOSED IMPROVEMENT 100 YR FLOODPLAIN

0 150 300 600  
 GRAPHIC SCALE (FEET)

REV.	DESCRIPTION	DATE

**CITY OF HARKER HEIGHTS**

HARKER HEIGHTS DRAINAGE MASTER PLAN

HARKER HEIGHTS TRIBUTARY 2

**PRELIMINARY FOR REVIEW ONLY**

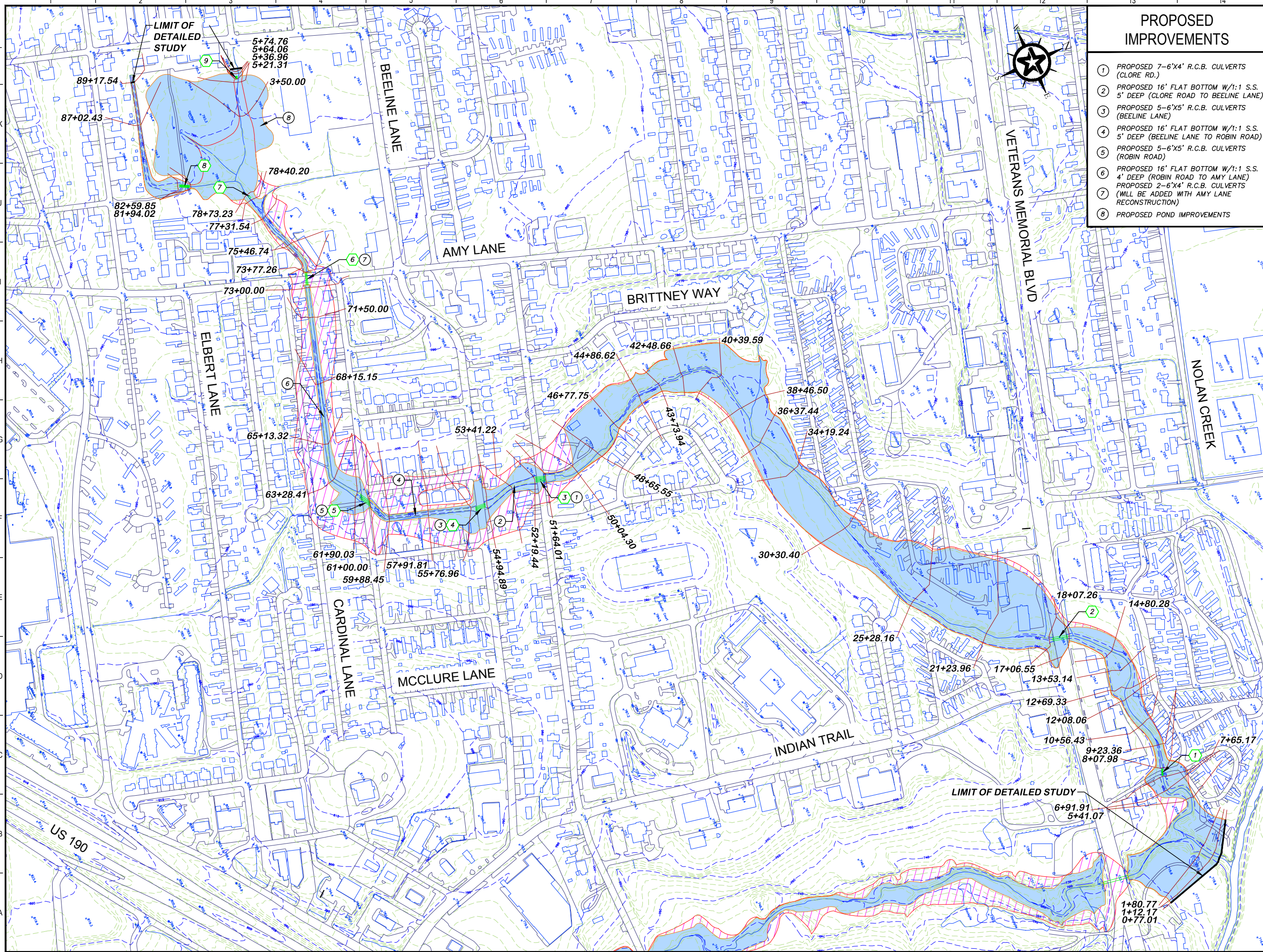
DESIGNED	OEK
DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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ON THE DATE SHOWN ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

FIGURE: **IC102-A**

G:\PROJECTS\2-01366\DWG\2-01366 HHT2-COMBINED SURFACE.DWG, IC102-B HARKER HEIGHTS TRIBUTARY 2, 3/11/2015 1:24:37 PM, kmaxwell



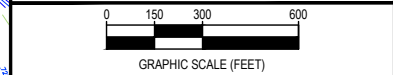
- ### PROPOSED IMPROVEMENTS
- ① PROPOSED 7-6'X4' R.C.B. CULVERTS (CLORE RD.)
  - ② PROPOSED 16' FLAT BOTTOM W/1:1 S.S. 5' DEEP (CLORE ROAD TO BEELINE LANE)
  - ③ PROPOSED 5-6'X5' R.C.B. CULVERTS (BEELINE LANE)
  - ④ PROPOSED 16' FLAT BOTTOM W/1:1 S.S. 5' DEEP (BEELINE LANE TO ROBIN ROAD)
  - ⑤ PROPOSED 5-6'X5' R.C.B. CULVERTS (ROBIN ROAD)
  - ⑥ PROPOSED 16' FLAT BOTTOM W/1:1 S.S. 4' DEEP (ROBIN ROAD TO AMY LANE)
  - ⑦ PROPOSED 2-6'X4' R.C.B. CULVERTS (WILL BE ADDED WITH AMY LANE RECONSTRUCTION)
  - ⑧ PROPOSED POND IMPROVEMENTS

- ### KEY NOTES
- ① EXISTING 7'X3' R.C.B. CULVERT AND 24" R.C.P. CULVERT (E 6TH AVE)
  - ② EXISTING 2-8'X8' R.C.B. CULVERT (VETERANS MEMORIAL BLVD)
  - ③ EXISTING 4-6'X4' R.C.B. CULVERTS (CLORE ROAD)
  - ④ EXISTING 3-6'X5' R.C.B. CULVERTS (BEELINE LANE)
  - ⑤ EXISTING 3-6'X5' R.C.B. CULVERTS (ROBIN ROAD)
  - ⑥ EXISTING 2-48" R.C.P. CULVERTS (AMY LANE)
  - ⑦ EXISTING 7'X4' R.C.B. CULVERT (GOODE-CONNELL PARK)
  - ⑧ EXISTING 3-36" R.C.B. CULVERTS (GOODE-CONNELL PARK)
  - ⑨ EXISTING 3-24" R.C.B. CULVERTS (GOODE-CONNELL PARK)

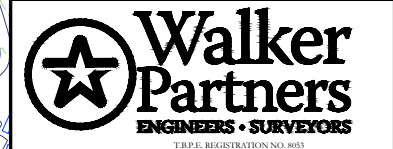
### GENERAL NOTES

FEMA SPECIAL FLOOD HAZARD AREA: ZONE AE  
 FIRM NUMBER: 48027C0285E  
 REVISION DATE: SEPTEMBER 26, 2008

- ### MAP LEGEND
- HARKER HEIGHTS CITY LIMIT
  - CALCULATED EXISTING 100 YR FLOODPLAIN
  - PROPOSED IMPROVEMENT 100 YR FLOODPLAIN



REV.	DESCRIPTION	DATE



**CITY OF HARKER HEIGHTS**  
**HARKER HEIGHTS DRAINAGE MASTER PLAN**  
**HARKER HEIGHTS TRIBUTARY 2**

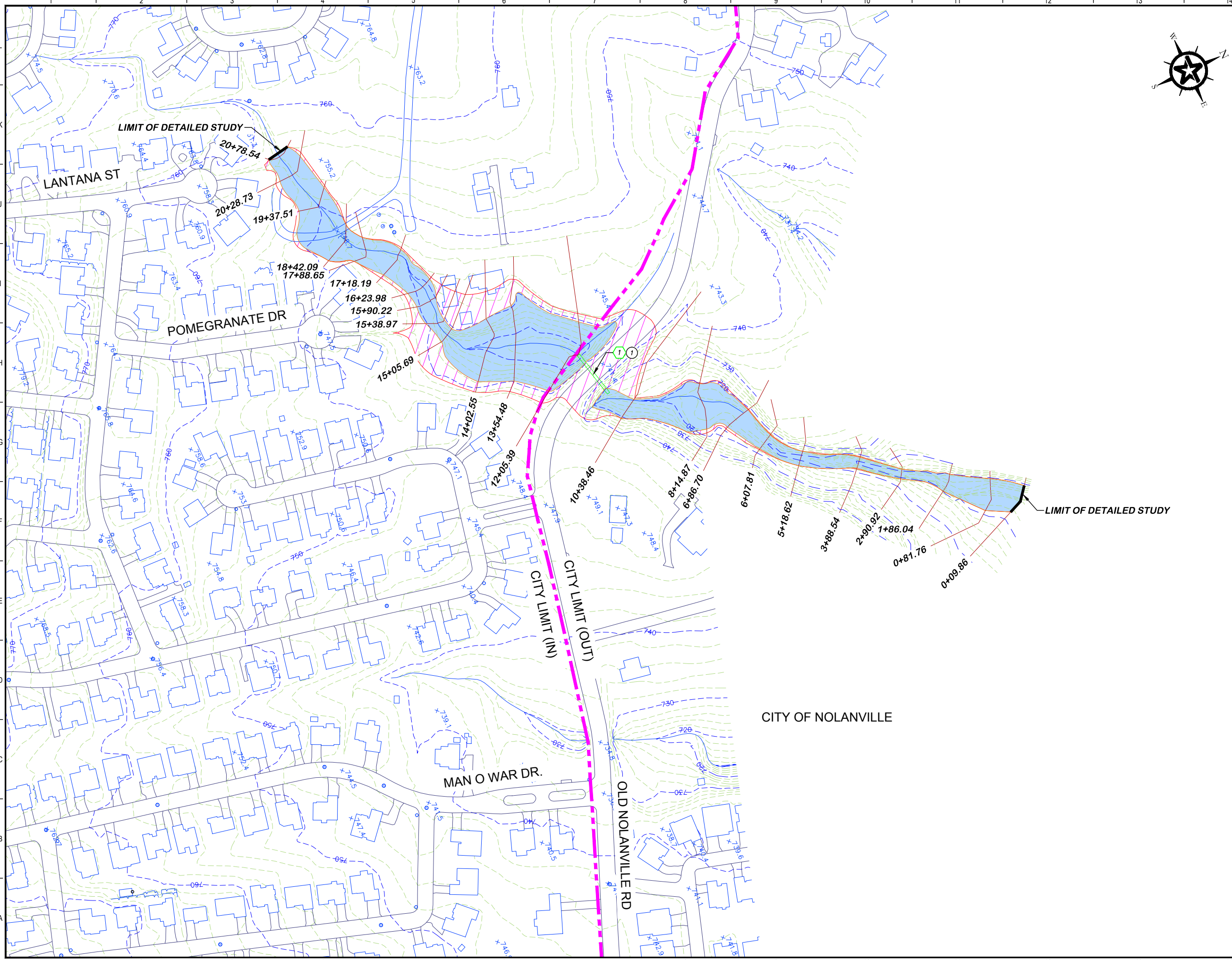
PRELIMINARY FOR REVIEW ONLY

DESIGNED	OEK
DRAWN	NLK
CHECKED	KAM
PROJECT NO.	2-01366

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 ON THE DATE SHOWN ON THE DATE STAMP, IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

FIGURE:  
**IC102-B**

G:\PROJECTS\2-01366\DWG\2-01366 UT 1-COMBINED SURFACE.DWG, UNNAMED TRIBUTARY 1, 2/2/2015 11:11:20 AM, kmaxwell



<b>KEY NOTES</b>		
1	EXISTING 72" C.M.P. CULVERT (OLD NOLANVILLE ROAD)	
<b>PROPOSED IMPROVEMENTS</b>		
1	PROPOSED 2-72" R.C.P. MITERED TO SLOPE OF EMBANKMENT (OLD NOLANVILLE ROAD)	
<b>GENERAL NOTES</b>		
FEMA SPECIAL FLOOD HAZARD AREA: ZONE A FIRM NUMBER: 48027C0285E REVISION DATE: SEPTEMBER 26, 2008		
<b>MAP LEGEND</b>		
	HARKER HEIGHTS CITY LIMIT	
	CALCULATED EXISTING 100 YR FLOODPLAIN	
	PROPOSED IMPROVEMENT 100 YR FLOODPLAIN	
 GRAPHIC SCALE (FEET)		
REV.	DESCRIPTION	DATE
 <b>Walker Partners</b> ENGINEERS • SURVEYORS <small>T.P.E. REGISTRATION NO. 8053</small>		
<b>CITY OF HARKER HEIGHTS</b>		
<b>HARKER HEIGHTS DRAINAGE MASTER PLAN</b>		
<b>UNNAMED TRIBUTARY 1</b>		
<b>PRELIMINARY FOR REVIEW ONLY</b>		
THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF PROFESSIONAL ENGINEER OTTO E. WIEDERHOLD #53366 ON THE DATE SHOWN ON THE DATE STAMP. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.	DESIGNED: OEW DRAFTED: NLK CHECKED: KAM PROJECT NO.: 2-01366	FIGURE: <b>IC106</b>

**ACT - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - ACT

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>c</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>c</sub> (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	85	9.41	9.3	1810	2.26	3.1	9.9	410	8.31	0.8	21.4	<b>12.8</b>
Ba	0.41	94	5.21	12.7	1473	2.44	2.5	9.7	754	9.44	1.3	23.8	<b>14.3</b>
Ca	0.41	93	2.15	18.0	286	2.30	2.4	1.9	951	6.56	2.4	33.1	<b>19.9</b>
Da	0.41	44	4.54	7.3	2000	2.50	3.2	10.4	1484	6.08	4.1	21.8	<b>13.1</b>
Db	0.41	44	5.60	6.7	1579	2.91	3.5	7.6	267	6.08	0.7	15.1	9.0
Ea	0.41	84	2.38	15.9	808	4.33	3.4	4.0	140	5.80	0.4	20.3	<b>12.2</b>
Fa	0.41	79	5.06	11.2	1790	1.89	2.8	10.7	313	10.55	0.5	23.5	<b>14.1</b>
Ga	0.41	56	3.57	9.8	772	2.39	3.1	4.1	374	5.17	1.2	16.3	<b>9.8</b>
Ha	0.41	97	2.78	16.8	6135	1.65	2.6	39.2	1201	6.13	3.3	59.2	<b>35.5</b>

## HHT1 - Time of Concentration.xls

### TIME OF CONCENTRATION CALCULATIONS

Basin ID - HHT1

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>C</sub> (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	87	1.00	23.1	919	1.57	2.5	6.0				49.0	<b>29.4</b>
					876	2.03	2.3	6.4					
					1888	1.32	2.3	13.5					
Ba	0.41	80	2.75	14.4	2039	2.18	2.4	14.3				28.7	<b>17.2</b>
Ca	0.41	75	1.00	20.5	200	3.70	3.1	1.1	1714	7.19	4.0	29.5	<b>17.7</b>
					638	1.79	2.7	3.9					
Da	0.41	100	2.50	17.9	930	1.39	1.9	8.1	662	6.72	1.6	64.0	<b>38.4</b>
					3632	1.37	2.4	25.4	502	15.90	0.5		
									3379	5.48	10.3		
Ea	0.41	100	1.30	23.3	1045	1.61	2.6	6.8	364	7.67	0.8	30.8	<b>18.5</b>

**HHT2 - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - HHT2

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1			Open Channel Or Storm Sewer Flow			Total T <sub>c</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>c</sub> (min)			
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)			S (%)	V (ft/s)	t <sub>3</sub> (min)
Aa	0.41	66	6.06	9.0	2063	1.57	2.5	13.5					36.0	<b>21.6</b>
					312	4.39	3.4	1.5						
					1540	1.12	2.2	11.9						
Ba	0.013	95	2.10	1.2	1122	0.72	1.7	10.8	1461	0.98	4.97	4.9	17.3	<b>10.4</b>
									234	2.13	10.51	0.4		
Ca	0.41	98	3.77	15.0	212	2.80	3.4	1.0	1082	1.11	5.29	3.4	32.6	<b>19.5</b>
					2100	1.71	2.7	13.2						
Da	0.41	71	1.50	16.7	2777	1.65	2.6	17.7					34.4	<b>20.7</b>
Db	0.41	50	4.00	8.5	255	48.60	11.2	0.4					16.3	<b>10.0</b>
					1110	1.53	2.5	7.4						
Dc	0.41	100	2.00	19.6	681	2.00	2.3	5.0	882	1.90	6.92	2.1	38.1	<b>22.9</b>
					986	0.50	1.4	11.4						
Ea	0.41	68	2.05	14.2	183	3.27	2.9	1.0	554	0.34	2.93	3.2	22.9	<b>13.7</b>
					1138	4.40	4.3	4.4						
Fa	0.21	87	2.32	9.7	1060	3.39	3.7	4.7	311	1.00	5.02	1.0	15.4	<b>10.0</b>



### HHT2 - Time of Concentration.xls

Ga	0.41	100	0.96	26.3	912	2.97	3.5	4.3	1749	0.74	4.32	6.8	37.4	<b>22.4</b>
Gb	0.41	100	0.52	33.6	514	2.42	3.2	2.7	553	1.08	5.22	1.8	35.3	21.2
					926	3.23	3.7	4.2						
					372	3.76	3.1	2.0						
Ha	0.41	71	1.53	16.6	811	2.22	3.0	4.5	1190	1.00	5.02	4.0	28.5	17.1
					702	4.20	3.3	3.5						
Hb	0.41	68	0.58	23.6	545	12.90	5.8	1.6					32.0	<b>19.2</b>
					675	2.19	3.0	3.7						
					371	1.59	2.0	3.0						
Ia	0.41	89	1.50	20.0	1626	2.46	3.2	8.5	972	0.95	4.89	3.3	31.8	<b>19.1</b>
Ja	0.41	71	1.50	16.7	283	4.24	4.2	1.1	367	1.23	5.57	1.1	18.9	<b>11.4</b>

**HHT3 - Time of Concentration.xls**

**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - HHT3

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1			Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time  0.6*T <sub>C</sub> (min)			
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)			S (%)	V (ft/s)	t <sub>3</sub> (min)
Aa	0.41	100	2.00	19.6	657	2.22	2.4	4.6	152	3.93	7.67	0.3	37.9	<b>22.8</b>
					1857	1.28	2.3	13.5						
Ba	0.41	100	2.00	19.6	947	1.67	2.1	7.6					30.9	<b>18.5</b>
					716	2.50	3.2	3.7						
Ca	0.41	100	0.80	28.3	414	1.93	2.2	3.1	697	1.27	7.67	1.5	40.4	<b>24.2</b>
					1131	1.51	2.5	7.5						
Da	0.41	100	2.50	17.9	129	1.55	2.0	1.1	809	1.35	5.83	2.3	29.5	<b>17.7</b>
					1250	1.55	2.5	8.2						
Ea	0.21	100	0.50	20.0	649	3.27	2.9	3.7					23.7	<b>14.2</b>
Fa	0.41	100	1.50	22.0	1435	3.44	3.8	6.3					28.3	<b>17.0</b>
Fb	0.41	100	1.50	22.0	1008	3.39	3.0	5.7					27.6	16.6
Ga	0.41	100	2.00	19.6	332	6.02	4.0	1.4					25.0	<b>15.0</b>
					934	3.69	3.9	4.0						
Ha	0.41	97	2.88	16.5	354	2.22	3.0	1.9	1190	1.00	5.02	4.0	24.8	<b>14.9</b>
					559	5.72	3.9	2.4						
Ia	0.41	100	2.00	19.6	197	4.06	3.3	1.0	1075	1.35	6.82	2.6	24.2	<b>14.5</b>
					203	2.95	3.5	1.0						

## HHT4 - Time of Concentration.xls

### TIME OF CONCENTRATION CALCULATIONS

Basin ID - HHT4

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>C</sub> (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	92	4.34	13.4	268	5.74	3.9	1.2	2650	4.35	10.2	45.6	<b>27.3</b>
					1673	1.59	2.6	10.9					
					1388	2.08	2.3	9.9					
Ba	0.24	100	1.00	16.8	726	2.75	3.4	3.6	3000	7.10	7.0	27.5	<b>16.5</b>
Ca	0.24	93	2.15	11.7	1784	1.12	1.7	17.4	251	7.67	0.5	33.9	<b>20.3</b>
					1017	3.93	4.0	4.2					
Da	0.41	92	2.17	17.7	1146	4.36	3.4	5.7	1285	4.40	4.9	31.8	<b>19.1</b>
					893	4.25	4.2	3.6					

**TCT - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - TCT

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1			Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>C</sub> (min)		
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)			V (ft/s)	t <sub>3</sub> (min)
<b>MARKET</b>													
HEIGHTS A	0.41	100	2.00	19.3	215	23.68	9.9	0.4	2172	10.00	3.6	26.3	<b>15.8</b>
					1418		8.00	3.0					
<b>MARKET</b>													
HEIGHTS B	0.011	100	1.00	1.4	177	1.00	2.0	1.4	1665	10.00	2.8	8.2	<b>4.9</b>
					776		5.00	2.6					
<b>CARL LEVIN</b>													
PARK - A	0.011	100	2.00	1.1	869	4.60	4.4	3.3	1231	8.00	2.6	7.0	4.2
<b>CARL LEVIN</b>													
PARK - B	0.011	100	1.00	1.4	457	1.53	2.5	3.0	1152	7.00	2.7	9.0	5.4
									547	5.00	1.8		
<b>CARL LEVIN</b>													
PARK - C	0.41	100	8.00	11.1	919	5.55	4.8	3.2	319	5.00	1.1	15.4	9.2
<b>CARL LEVIN</b>													
PARK - D	0.41	100	4.00	14.7	808	4.58	4.4	3.1				24.5	<b>14.7</b>
					1154	1.99	2.9	6.7					
<b>CARL LEVIN 2</b>													
	0.41	100	1.00	25.5	887	4.85	4.5	3.3				34.1	<b>20.5</b>
					1009	2.48	3.2	5.3					

### TCT - Time of Concentration.xls

TCT1 - A	0.41	100	6.00	12.5	678	3.83	4.0	2.8	441	12.00	0.6	19.5	11.7
					678	2.43	3.2	3.6					
TCT1 - B	0.41	100	1.00	33.7	163	14.08	7.6	0.4	27	12.00	0.0	40.9	24.5
					1552	3.48	3.8	6.8					
TCT1 - C	0.41	100	1.00	33.7	176	4.84	4.5	0.7	27	12.00	0.0	42.4	25.4
					1865	3.62	3.9	8.0					
TCT2a - A	0.011	100	2.00	1.1	1541	2.82	3.4	7.5	457	9.00	0.8	17.8	10.7
					1038	2.55	3.2	5.3					
					567	2.29	3.1	3.1					
TCT2a - B	0.41	100	1.00	25.5	222	1.35	2.4	1.6	457	9.00	0.8	40.9	24.5
					2699	2.93	3.5	12.9					
TCT2a - C	0.41	100	1.00	25.5	222	1.35	2.4	1.6	457	9.00	0.8	42.9	25.7
					2972	2.66	3.3	14.9					
TCT2a - D	0.41	100	2.00	21.7	170	17.68	8.5	0.3	457	9.00	0.8	34.3	20.6
					2379	2.92	3.5	11.4					
TCT2b - A	0.41	100	1.00	25.5	1550	1.85	2.8	9.3	27	12.00	0.0	34.9	20.9
TCT2b - B	0.41	100	0.01	25.5	162	8.00	5.7	0.5	27	12.00	0.0	31.0	18.6
					848	1.96	2.8	5.0					
TCT3a - A	0.41	100	2.00	19.3	173	5.21	4.6	0.6	2085	8.00	4.3	30.6	18.4
					1429	3.43	3.8	6.3					
TCT3a - B	0.41	100	10.00	10.2	70	12.79	7.3	0.2	2085	8.00	4.3	20.6	12.4
					1271	3.07	3.6	5.9					
TCT3a - C	0.41	100	2.00	19.3	1540	3.60	3.9	6.7	2085	8.00	4.3	30.3	18.2
TCT3a - D	0.41	100	4.00	14.7	2153	3.72	3.9	9.2	1040	8.00	2.2	26.0	15.6
TCT3b - A	0.41	100	7.00	12.1	301	8.96	6.1	0.8	967	11.00	1.5	18.0	10.8
					337	0.59	1.6	3.6					

**TCT - Time of Concentration.xls**

TCT4 - A	0.41	100	2.00	19.3	505	3.66	3.9	2.2	53	7.00	0.1	28.7	17.2
					1386	2.57	3.3	7.1					
TCT4 - B	0.41	100	1.00	25.5	440	5.80	4.9	1.5	53	7.00	0.1	32.1	19.3
					995	2.77	3.4	4.9					
TCT4 - C	0.41	100	1.00	25.5	618	3.31	3.7	2.8	1762	2.00	14.7	43.0	<b>25.8</b>
TCT4 - D	0.41	100	1.00	25.5	31	2.00	2.9	0.2	984	7.00	2.3	36.3	21.8
					1592	2.53	3.2	8.2					
TCTL1 - A	0.41	100	4.00	14.7	1323	3.63	3.9	5.7	1238	2.40	8.6	33.9	20.3
					900	2.22	3.0	5.0					
TCTL1 - B	0.41	100	1.00	33.7	1011	1.53	2.5	6.7	2253	2.40	15.6	62.9	<b>37.7</b>
					1410	2.84	3.4	6.9					
TCTL1 - C	0.41	64	1.00	19.6	1958	2.25	3.0	10.7	2288	2.40	15.9	46.1	27.7
TCTL2a - A	0.41	100	4.00	15.5	617	1.62	2.6	4.0	38	12.00	0.1	31.0	<b>18.6</b>
					2625	3.51	3.8	11.5					
TCTL2a - B	0.41	100	3.00	16.5	454	3.30	3.7	2.1	38	12.00	0.1	27.9	16.7
					637	5.02	4.6	2.3					
					1636	3.67	3.9	7.0					
TCTL2b - A	0.41	100	1.00	25.5	768	1.89	2.8	4.6	710	6.00	2.0	38.1	<b>22.9</b>
					167	11.96	7.0	0.4	517	5.90	1.5		
					365	6.02	5.0	1.2	815	4.70	2.9		
Total - No Ponds	0.41	100	2.00	19.3	2765	5.21	4.6	9.9	5843	10.00	9.7	39.0	<b>23.4</b>
Total - Ponds	0.41	100	1.00	33.7	1011	1.53	2.5	6.7	154	9.80	0.3	54.2	<b>32.5</b>
					1410	2.84	3.4	6.9	1267	4.80	4.4		
									46	13.00	0.1		
									966	7.24	2.2		

### TCT - Time of Concentration.xls

TCT5-A	0.41	40	3.75	7.3	1879	2.66	3.3	9.4	2953	5.85	8.4	25.2	<b>15.1</b>
TCT6-A	0.41	55	4.72	8.6	4375	1.67	2.6	27.8	1066	7.67	2.3	44.7	<b>26.8</b>
									1738	4.81	6.0		
TCT7-A	0.41	84	2.39	15.9	1751	10.10	5.1	5.7	2014	7.06	4.8	52.1	<b>31.2</b>
					1459	0.34	1.2	20.5					
					570	4.30	3.3	2.8					
					604	4.30	4.2	2.4					
CKL1a-A	0.41	80	1.50	18.4	1492	8.84	4.8	5.2				47.3	<b>28.4</b>
					2930	1.63	2.1	23.7					
CKL1b-A	0.41	70	2.58	13.3	846	4.25	4.2	3.4				33.0	<b>19.8</b>
					2427	2.36	2.5	16.3					
CKL1c-A	0.41	100	2.00	19.6	1672	2.51	2.6	10.9	1094	14.90	1.2	31.7	<b>19.0</b>

**UT1 - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - UT1

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time  (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	23	1.00	8.0	117	32.20	9.2	0.2	685	7.67	1.5	26.8	<b>16.1</b>
	0.41	85	6.70	10.6	1691	4.58	4.4	6.5					
Ab	0.41	71	5.49	9.9	2986	3.20	3.6	13.7				23.6	14.2
Ba	0.41	80	1.57	18.1	162	3.72	3.9	0.7				26.5	<b>15.9</b>
					205	26.30	8.3	0.4					
					409	9.20	6.2	1.1					
					410	7.58	4.4	1.5					
					988	2.92	3.5	4.7					
Ca	0.41	100	1.50	22.0	289	8.99	4.8	1.0	1061	7.67	2.3	25.3	<b>15.2</b>



**UT2 - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - UT2

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1			Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time  (min)		
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)			V (ft/s)	t <sub>3</sub> (min)
Aa	0.41	65	3.07	11.7	2734	1.58	2.0	22.5				63.1	<b>37.9</b>
					2885	1.06	1.7	28.9					
Ba	0.41	45	4.44	7.5	1946	3.90	4.0	8.1	2560	5.43	7.9	31.2	<b>18.7</b>
					1210	1.65	2.6	7.7					
Ca	0.41	100	6.00	12.6	1123	2.49	2.5	7.4	1341	7.21	3.1	23.1	13.8
Cb	0.41	91	1.43	20.8	2442	2.04	2.3	17.7				38.5	<b>23.1</b>
Da	0.41	94	4.25	13.8	763	5.67	3.8	3.3	1052	3.97	4.4	21.5	<b>12.9</b>

**UT3 - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - UT3

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1			Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>C</sub> (min)		
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)			V (ft/s)	t <sub>3</sub> (min)
Aa	0.41	74	2.70	13.7	2493	1.48	2.5	16.8	2476	6.68	6.2	36.6	<b>22.0</b>
Ba	0.41	78	2.56	14.5	1218	5.18	3.7	5.5	1373	7.67	3.0	26.7	<b>16.0</b>
									1235	5.70	3.6		
Ca	0.41	49	4.08	8.3	3776	1.66	2.6	24.0	566	6.99	1.3	35.1	<b>21.1</b>
					246	3.25	2.9	1.4					
Da	0.41	55	1.81	12.6	3115	2.35	3.1	16.7	509	7.67	1.1	30.4	<b>18.2</b>
Ea	0.41	75	5.33	10.5	747	19.81	7.2	1.7	1188	7.67	2.6	14.8	<b>8.9</b>
Fa	0.41	96	2.60	17.1	1385	14.58	6.2	3.7	2465	7.67	5.4	26.2	<b>15.7</b>

**UT4 - Time of Concentration.xls**

**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - UT4

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (min)	Lag Time (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	94	1.38	21.6	538	12.60	5.7	1.6				34.8	<b>20.9</b>
					2606	3.37	3.7	11.6					
Ba	0.41	95	1.36	21.9	2321	2.49	2.5	15.2	460	4.92	1.6	38.7	<b>23.2</b>
Ca	0.41	61	6.06	8.5	569	18.60	7.0	1.4	505	5.02	1.7	24.0	<b>14.4</b>
					1443	1.10	1.7	14.2					

**UT5 - Time of Concentration.xls**

**TIME OF CONCENTRATION CALCULATIONS**

Basin ID - UT5

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time 0.6*T <sub>C</sub> (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	100	2.30	18.5	3186	4.17	3.3	16.1	728	6.17	2.0	36.6	<b>22.0</b>
Ba	0.41	83	4.81	11.9	1463	9.22	4.9	5.0	910	4.97	3.1	19.9	<b>11.9</b>
Ca	0.41	83	4.81	11.9	578	2.49	2.5	3.8				15.7	<b>10.0</b>

**UT6 - Time of Concentration.xls**  
**TIME OF CONCENTRATION CALCULATIONS**

Subbasin ID - UT6

Subbasin No.	Overland Sheet Flow - Manning Kinematic			Shallow Concentrated Flow - TR55 FIGURE 3-1				Open Channel Or Storm Sewer Flow			Total T <sub>C</sub> (t <sub>1</sub> +t <sub>2</sub> +t <sub>3</sub> ) (min)	Lag Time  0.6*T <sub>C</sub> (min)	
	n	L (ft)	S (%)	t <sub>1</sub> (min)	L (ft)	S (%)	V (ft/s)	t <sub>2</sub> (min)	L (ft)	V (ft/s)			t <sub>3</sub> (min)
Aa	0.41	100	1.66	21.1	1096	8.69	4.8	3.8				40.4	<b>24.3</b>
					3186	2.85	3.4	15.5					
Ba	0.41	97	2.06	18.9	1588	10.01	5.1	5.2	418	7.67	0.9	29.7	<b>17.8</b>
					671	1.38	2.4	4.7					

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	4.56	341.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	12.31	1132.15
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	10.92	906.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	3.22	302.70
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	25.24	2195.50
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	30.25	2873.74
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 86.49**

**Composite CN = 90**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.34	100.13
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	22.93	2109.17
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.22	18.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	2.11	198.27
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.73	150.08
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	40.01	3800.67
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 68.33**

**Composite CN = 93**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	21.16	1586.67
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	0.05	4.15
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	16.35	1357.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	0.04	4.16
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	43.59	3792.46
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	0.48	46.04
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 81.68**

**Composite CN = 83**



**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.22	541.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	49.21	4084.35
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	32.46	2823.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 88.89**

**Composite CN = 84**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	13.40	1111.94
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	5.56	483.73
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 18.96**

**Composite CN = 84**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.06	5.87
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	7.26	602.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	32.94	3095.98
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	3.06	266.50
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	27.22	2586.31
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 70.54**

**Composite CN = 93**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.52	43.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	23.22	2182.55
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.94	603.63
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	2.67	254.11
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 33.36**

**Composite CN = 92**

**DEVELOPED CONDITIONS**

*Subbasin ID -ACT-H*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.88	590.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	1.94	178.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	54.02	4483.85
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	27.51	2585.59
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	47.46	4128.91
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	10.25	973.97
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 149.05**

**Composite CN = 87**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	4.56	341.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	12.31	1132.15
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	10.92	906.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	3.22	302.70
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	25.24	2195.50
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	30.25	2873.74
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 86.49**

**Composite CN = 90**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.34	100.13
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	22.93	2109.17
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.22	18.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	2.11	198.27
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.73	150.08
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	40.01	3800.67
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 68.33**

**Composite CN = 93**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	21.16	1586.67
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	0.05	4.15
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	16.35	1357.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	0.04	4.16
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	43.59	3792.46
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	0.48	46.04
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 81.68      Composite CN = 83**



**EXISTING CONDITIONS**

*Subbasin ID -ACT-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.22	541.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	49.21	4084.35
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	32.46	2823.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 88.89**

**Composite CN = 84**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	13.40	1111.94
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	5.56	483.73
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 18.96**

**Composite CN = 84**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.06	5.87
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	7.26	602.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	32.94	3095.98
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	3.06	266.50
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	27.22	2586.31
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 70.54**

**Composite CN = 93**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.52	43.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	23.22	2182.55
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.94	603.63
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	2.67	254.11
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 33.36**

**Composite CN = 92**

**EXISTING CONDITIONS**

*Subbasin ID -ACT-H*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.88	590.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	1.94	178.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	54.02	4483.85
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	27.51	2585.59
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	47.46	4128.91
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	10.25	973.97
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 149.05**

**Composite CN = 87**

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT1-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	3.76	281.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	46.10	3826.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.34	30.80
	Commerial	Commerial and Business	94	6.06	569.76
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	92.70	8065.21
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.41	497.96
	Commerial	Commerial and Business	95	9.22	875.60
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 163.59      Composite CN = 86**

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT1-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	4.17	346.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	18.88	1774.62
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.48	128.58
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	11.99	1138.97
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 36.52      Composite CN = 93**

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT1-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	24.68	2270.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	17.14	1611.11
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	11.80	1120.68
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 53.61 **Composite CN =** 93



**DEVELOPED CONDITIONS**

*Subbasin ID - HHT1-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	43.57	3267.62
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.48	126.00
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	17.29	1469.29
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.19	16.54
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	22.46	1909.47
	Commerial	Commerial and Business	92	28.77	2646.53
	Manufacturing/Industrial	Industrial	88	22.42	1972.86
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.68	56.03
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.32	298.80
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	8.47	796.08
	Manufacturing/Industrial	Industrial	91	0.15	14.06
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	81.28	7071.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.36	125.18
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.55	602.51
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.47	595.35
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.23	572.93
	Commerial	Commerial and Business	95	55.76	5297.12
	Manufacturing/Industrial	Industrial	93	8.32	773.73
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 314.77

**Composite CN =** 88

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT1-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.02	1.74
	Commerial	Commerial and Business	94	0.06	5.94
	Manufacturing/Industrial	Industrial	91	0.68	61.45
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.16	14.42
	Commerial	Commerial and Business	95	3.71	351.98
	Manufacturing/Industrial	Industrial	93	3.27	304.34
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 7.89

**Composite CN =** 94

**EXISTING CONDITIONS**

*Subbasin ID - HHT1-A*

**H.S.G.      Landuse      TR-55 Cover Description      CN    Area (AC)    CN x Area**

<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	3.76	282.27
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	46.15	3830.51
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.34	30.84
	Commerial	Commerial and Business	94	6.07	570.43
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	92.62	8057.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.42	498.55
	Commerial	Commerial and Business	95	9.23	876.64
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 163.59      Composite CN = 86**

**EXISTING CONDITIONS**

*Subbasin ID - HHT1-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	4.19	348.06
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	18.99	1784.94
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.27	110.86
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	12.06	1145.59
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 36.52 **Composite CN =** 93

**EXISTING CONDITIONS**

*Subbasin ID - HHT1-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	24.68	2270.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	17.14	1611.11
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	11.80	1120.68
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 53.61 **Composite CN =** 93

**EXISTING CONDITIONS**

*Subbasin ID - HHT1-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	43.71	3278.60
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.49	126.42
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	17.34	1474.22
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.20	16.59
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	22.54	1915.88
	Commerial	Commerial and Business	92	27.81	2558.11
	Manufacturing/Industrial	Industrial	88	22.49	1979.49
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.68	56.22
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.33	299.81
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	8.50	798.75
	Manufacturing/Industrial	Industrial	91	0.16	14.11
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	81.56	7095.48
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.37	125.60
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.57	604.54
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.49	597.35
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.25	574.86
	Commerial	Commerial and Business	95	55.95	5314.92
	Manufacturing/Industrial	Industrial	93	8.35	776.33
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 314.77

**Composite CN =** 88

**EXISTING CONDITIONS**

*Subbasin ID - HHT1-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.03	2.90
	Commerial	Commerial and Business	94	0.11	9.92
	Manufacturing/Industrial	Industrial	91	1.13	102.57
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.26	24.06
	Commerial	Commerial and Business	95	6.18	587.50
	Manufacturing/Industrial	Industrial	93	0.18	16.88
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 7.89

**Composite CN =** 94

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	9.37	702.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	16.02	1329.45
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.35	33.07
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	54.29	4723.54
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.12	11.38
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.38	35.98
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 80.53

**Composite CN =** 85



**DEVELOPED CONDITIONS**

**Subbasin ID - HHT2-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.75	62.06
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.30	117.06
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	4.85	436.86
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.35	126.54
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	25.62	2229.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.47	595.32
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.84	353.50
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 44.18 **=** 89

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.50	562.66
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	8.64	717.24
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.72	784.94
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	10.96	986.45
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	6.97	627.19
	Commerial	Commerial and Business	94	35.99	3383.40
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	14.39	1251.94
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.01	92.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.90	358.81
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.13	655.95
	Commerial	Commerial and Business	95	18.15	1724.40
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

**123.37**

**=**

**90**

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.28	21.05
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	8.09	687.93
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	29.32	2697.31
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.02	1.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	20.00	1799.60
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	12.03	1082.46
	Commerial	Commerial and Business	94	53.00	4981.80
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	4.34	378.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	13.83	1272.46
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.37	34.02
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.56	143.32
	Commerial	Commerial and Business	95	19.34	1837.68
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

**162.18**

**=**

**92**

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.24	275.37
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	0.85	78.09
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.80	702.34
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	0.01	1.09
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	10.71	985.29
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	1.68	159.27
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

24.29

=

91

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.69	143.74
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.37	303.00
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	9.48	872.06
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	2.82	267.88
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 17.36 **=** 91

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	2.29	171.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.36	115.31
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	8.63	733.66
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.01	255.80
	Commerial	Commerial and Business	92	2.12	194.95
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.99	248.29
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.03	3.13
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.13	282.04
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	2.23	209.76
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	7.96	692.43
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.63	334.02
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	18.19	1673.45
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.33	398.47
	Commerial	Commerial and Business	95	10.50	997.31
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 70.40 **=** 90

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-H*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.91	77.48
	Commerial	Commerial and Business	92	5.07	466.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.25	292.63
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	12.56	1180.63
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.02	2.06
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.37	309.87
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.91	543.88
	Commerial	Commerial and Business	95	39.99	3799.04
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 71.08 **=** 94

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-I*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.21	19.73
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.57	681.09
	Commerial	Commerial and Business	94	0.68	63.93
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.21	19.06
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.39	404.31
	Commerial	Commerial and Business	95	9.40	892.65
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 22.46 **=** 93



**DEVELOPED CONDITIONS**

*Subbasin ID - HHT2-J*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.43	38.66
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.03	187.19
	Commerial	Commerial and Business	95	1.56	147.75
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

4.02

=

93

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	9.37	702.62
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	16.02	1329.44
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.35	33.07
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	54.29	4723.53
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.12	11.38
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.38	35.98
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 80.53 **=** 85

**EXISTING CONDITIONS**

**Subbasin ID - HHT2-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.75	62.11
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.30	117.17
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	4.86	437.18
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.31	122.87
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	25.64	2231.08
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.48	595.87
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.85	353.83
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 44.18 **=** 89

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	7.58	568.86
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	8.75	726.05
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.83	794.58
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	11.09	998.37
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.05	634.89
	Commerial	Commerial and Business	94	35.56	3342.74
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	14.57	1267.16
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.02	93.95
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.91	359.39
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.22	664.01
	Commerial	Commerial and Business	95	17.79	1689.96
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

123.37

=

90

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.28	21.12
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	8.12	690.15
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	29.23	2689.57
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.02	1.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	20.06	1805.27
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	12.07	1086.02
	Commerial	Commerial and Business	94	52.82	4965.37
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	4.36	379.24
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	13.88	1276.63
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.37	34.13
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.56	143.79
	Commerial	Commerial and Business	95	19.41	1843.70
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

**162.18**

**=**

**92**

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerical	Commerical and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.24	275.37
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerical	Commerical and Business	92	0.85	78.09
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.80	702.34
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerical	Commerical and Business	94	0.01	1.09
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	10.71	985.29
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerical	Commerical and Business	95	1.68	159.27
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

24.29

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91

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.69	143.95
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.37	303.46
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	9.47	870.98
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	2.82	268.28
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

17.36

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91

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	2.29	171.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.36	115.53
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	8.65	735.06
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.02	256.29
	Commerial	Commerial and Business	92	2.12	195.32
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.92	242.77
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.03	3.13
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.13	281.29
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	2.24	210.16
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	7.93	689.64
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.64	334.66
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	18.22	1676.62
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.34	399.22
	Commerial	Commerial and Business	95	10.52	999.20
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 70.40 **=** 90



**EXISTING CONDITIONS**

*Subbasin ID - HHT2-H*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.91	77.48
	Commerial	Commerial and Business	92	5.07	466.21
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.25	292.63
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	12.56	1180.63
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.02	2.05
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.37	309.87
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.91	543.89
	Commerial	Commerial and Business	95	39.99	3799.04
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 71.08 **=** 94

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-I*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.21	19.73
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.57	681.17
	Commerial	Commerial and Business	94	0.68	63.94
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.21	19.07
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.40	404.36
	Commerial	Commerial and Business	95	9.39	892.51
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =**

22.46

=

93

**EXISTING CONDITIONS**

*Subbasin ID - HHT2-J*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.28	209.58
	Commerial	Commerial and Business	95	1.74	165.43
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 4.02 **=** 93

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.09	173.44
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	6.82	614.14
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	15.09	1357.86
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.25	22.19
	Commercial	Commercial and Business	94	0.94	88.47
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	5.61	487.97
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.48	504.12
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	12.70	1168.52
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.22	112.66
	Commercial	Commercial and Business	95	4.81	456.63
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 55.01

**Composite CN =** 91

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.45	33.80
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	1.96	162.72
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.76	788.26
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.23	20.69
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.57	53.21
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	8.22	714.72
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.62	517.35
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.27	24.56
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	2.19	208.48
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 28.27

**Composite CN =** 89

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	3.04	227.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.14	12.80
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	5.41	449.32
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.56	140.75
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.01	0.76
	Commerial	Commerial and Business	94	0.38	36.13
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	2.54	221.07
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.12	11.09
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.11	10.55
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.09	652.30
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.78	71.76
	Commerial	Commerial and Business	95	6.10	579.63
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 27.30

**Composite CN =** 88

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	12.81	960.68
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	23.79	2022.45
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	35.47	3263.57
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	91.89	7626.95
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	73.06	6355.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	15.32	1409.26
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	42.63	3921.61
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	108.82	10337.88
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 403.79

**Composite CN =** 89

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	5.09	483.72
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 5.09

**Composite CN =** 95



**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.61	136.66
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92	2.48	228.60
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.52	231.57
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95	7.69	730.90
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 14.30

**Composite CN =** 93

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.22	274.02
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.21	571.41
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	1.60	151.61
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 11.03

**Composite CN =** 90

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-H*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.83	240.41
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.41	497.67
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 8.24

**Composite CN =** 90

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT3-I*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.55	131.57
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	2.88	259.34
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.31	118.10
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.23	389.16
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.09	8.16
	Commerial	Commerial and Business	95	0.15	14.19
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 10.21

**Composite CN =** 90

**EXISTING CONDITIONS**

**Subbasin ID - HHT3-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.09	173.44
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	6.82	614.14
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	15.09	1357.87
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.25	22.19
	Commerial	Commerial and Business	94	0.94	88.47
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	5.61	487.97
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.48	504.12
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	12.70	1168.52
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.22	112.66
	Commerial	Commerial and Business	95	4.81	456.63
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 55.01

**Composite CN =** 91

**EXISTING CONDITIONS**

**Subbasin ID - HHT3-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.46	34.41
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.00	165.69
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.92	802.65
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.23	21.07
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94	0.06	5.66
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	8.37	727.77
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.73	526.80
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.27	25.01
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95	2.23	212.29
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 28.27

**Composite CN =** 89

**EXISTING CONDITIONS**

*Subbasin ID - HHT3-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	3.04	227.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.14	12.80
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	5.41	449.32
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.56	140.75
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.01	0.76
	Commerial	Commerial and Business	94	0.38	36.13
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	2.54	221.07
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.12	11.09
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.11	10.55
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.09	652.30
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.78	71.76
	Commerial	Commerial and Business	95	6.10	579.63
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 27.30

**Composite CN =** 88

**EXISTING CONDITIONS**

**Subbasin ID - HHT3-D**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.28	96.07
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.38	202.26
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92	3.55	326.38
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	9.19	762.74
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	7.31	635.63
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.53	140.93
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.26	392.18
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95	10.88	1033.84
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 40.38

**Composite CN =** 89



**EXISTING CONDITIONS**

*Subbasin ID - HHT3-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95	5.09	483.72
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 5.09

**Composite CN =** 95

**EXISTING CONDITIONS**

*Subbasin ID - HHT3-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.61	136.66
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	2.48	228.60
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.52	231.57
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	7.69	730.90
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 14.30

**Composite CN =** 93

**EXISTING CONDITIONS**

*Subbasin ID - HHT3-G*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.22	274.02
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.21	571.41
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	1.60	151.61
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 11.03

**Composite CN =** 90

**EXISTING CONDITIONS**

**Subbasin ID - HHT3-H**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.83	240.41
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.41	497.67
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 8.24

**Composite CN =** 90

**EXISTING CONDITIONS**

**Subbasin ID - HHT3-I**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.55	131.57
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	2.88	259.34
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.31	118.10
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.23	389.16
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.09	8.16
	Commerial	Commerial and Business	95	0.15	14.19
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 10.21

**Composite CN =** 90

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT4-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	2.06	154.57
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.93	79.17
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.02	1.61
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	50.39	3476.61
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	38.12	3163.67
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.20	108.31
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.96	184.38
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	84.52	6677.40
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	37.99	3305.15
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.03	370.58
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.07	282.44
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	7.79	739.64
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	146.02	12265.43
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 378.09

**Composite CN =** 81

**DEVELOPED CONDITIONS**

**Subbasin ID - HHT4-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	46.53	3210.37
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.30	191.02
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	20.32	1605.34
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	0.21	18.29
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	52.51	4411.16
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 121.87

**Composite CN =** 77

**DEVELOPED CONDITIONS**

*Subbasin ID - HHT4-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.07	6.28
	Commerial	Commerial and Business	92	0.92	84.99
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	15.36	1059.56
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.56	212.83
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.65	58.65
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	7.40	584.88
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	7.30	635.34
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.51	231.21
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	17.63	1674.51
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	29.23	2455.70
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 83.65

**Composite CN =** 84



**DEVELOPED CONDITIONS**

*Subbasin ID - HHT4-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	5.21	442.91
	Commerial	Commerial and Business	92	1.44	132.43
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	15.59	1075.89
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	10.26	923.14
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	24.26	2183.69
	Commerial	Commerial and Business	94	0.98	91.71
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	5.24	414.14
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.89	81.71
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.28	486.00
	Commerial	Commerial and Business	95	12.15	1153.91
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	16.05	1348.58
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 97.35

**Composite CN =** 86

**EXISTING CONDITIONS**

**Subbasin ID - HHT4-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	2.06	154.57
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.93	79.17
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.02	1.61
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	50.39	3476.61
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	38.12	3163.67
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.20	108.31
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.96	184.38
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	84.52	6677.40
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	37.99	3305.15
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.03	370.58
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.07	282.44
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	7.79	739.64
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	146.02	12265.43
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 378.09

**Composite CN =** 81

**EXISTING CONDITIONS**

**Subbasin ID - HHT4-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	46.53	3210.37
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.30	191.02
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	20.32	1605.34
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	0.21	18.29
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	52.51	4411.16
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 121.87

**Composite CN =** 77

**EXISTING CONDITIONS**

*Subbasin ID - HHT4-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.07	6.28
	Commerial	Commerial and Business	92	0.92	84.99
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	15.36	1059.56
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.56	212.83
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.65	58.65
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	7.40	584.88
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	7.30	635.34
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.51	231.21
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	17.63	1674.51
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	29.23	2455.70
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 83.65

**Composite CN =** 84

**EXISTING CONDITIONS**

**Subbasin ID - HHT4-D**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	5.21	442.91
	Commerial	Commerial and Business	92	1.44	132.43
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	15.59	1075.89
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	10.26	923.14
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	24.26	2183.69
	Commerial	Commerial and Business	94	0.98	91.71
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	5.24	414.14
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.89	81.71
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.28	486.00
	Commerial	Commerial and Business	95	12.15	1153.91
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	16.05	1348.58
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 97.35

**Composite CN =** 86

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT5*

**H.S.G. Landuse TR-55 Cover Description CN Area (AC) CN x Area**

<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	20.42	1531.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	24.14	2220.58
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	4.66	386.37
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	4.26	400.22
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	35.58	3095.16
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	42.92	4076.99
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 131.96 Composite CN = 89**

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT6*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	92.56	6942.06
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.04	3.23
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	9.05	832.64
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	30.85	2560.91
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	152.73	13287.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.83	75.97
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	21.49	2041.45
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 307.55

**Composite CN =** 84

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT7*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	20.18	1513.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.79	236.77
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.28	25.48
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	90.58	7517.74
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	9.02	811.67
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	12.18	1144.61
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	152.96	13307.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.82	167.40
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	10.06	955.51
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) = 299.86      Composite CN = 86**



**DEVELOPED CONDITIONS**

*Subbasin ID - CKL1a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.21	90.86
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.91	83.41
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	107.98	8962.24
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.12	11.35
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	130.78	11378.12
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.60	56.66
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 241.60 **Composite CN =** 85

**DEVELOPED CONDITIONS**

*Subbasin ID - CKL1b*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	11.29	846.69
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	9.11	774.16
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	18.34	1687.56
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	41.02	3404.60
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	16.32	1469.10
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	36.51	3431.89
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	43.39	3775.36
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.87	632.29
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	21.87	2077.93
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 204.73 **Composite CN =** 88

**DEVELOPED CONDITIONS**

*Subbasin ID - CKL1c*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.03	2.54
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.39	403.45
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	1.28	106.22
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.61	151.27
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	9.60	835.12
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	6.76	642.00
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 23.67 **Composite CN =** 90

**DEVELOPED CONDITIONS**

**Subbasin ID - MARKET HEIGHTS A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.43	31.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	9.48	871.87
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.82	234.31
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	14.67	1379.18
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	10.95	952.25
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	3.00	284.89
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

**Subbasin ID - MARKET HEIGHTS B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	5.98	508.00
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.78	715.61
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.93	88.62
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 89

**DEVELOPED CONDITIONS**

*Subbasin ID - Carl Levin Park*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.41	31.01
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	9.79	901.03
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	0.61	50.34
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	26.54	2494.67
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	4.79	416.75
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	15.91	1511.35
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 93

**DEVELOPED CONDITIONS**

*Subbasin ID - Carl Levin 2*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Basin ID - HHT3d*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91



**DEVELOPED CONDITIONS**

*Subbasin ID - TCT2a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT2b*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT3a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

TCT3a

**DEVELOPED CONDITIONS**

*Subbasin ID - TCT3b*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

Composite CN = 91

**DEVELOPED CONDITIONS**

**Subbasin ID - TCT4**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Subbasin ID - TCTL1a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Subbasin ID - TCTL2a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91

**DEVELOPED CONDITIONS**

*Subbasin ID - TCTL2b*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.48	110.93
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.81
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.24	389.86
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	3.87	321.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	6.32	549.78
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.16	106.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.79	164.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.61	424.28
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	16.43	1560.81
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 91



**EXISTING CONDITIONS**

*Subbasin ID - CKL1a*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	1.14	85.51
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.77	70.79
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	108.07	8970.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.12	11.36
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	130.90	11388.02
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.60	56.71
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 85

**EXISTING CONDITIONS**

*Subbasin ID - CKL1b*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	10.18	864.88
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	20.49	1885.32
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58	12.61	731.51
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	18.24	1641.26
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	40.79	3834.06
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	45.83	3253.66
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.68	706.39
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	24.44	2321.44
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	24.49	1910.08
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 84

**EXISTING CONDITIONS**

*Subbasin ID - CKL1c*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	2.95	271.34
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58	0.02	1.32
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.08	101.74
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	8.61	611.30
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	4.55	431.78
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	6.46	503.56
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 23.67 **Composite CN =** 81

**EXISTING CONDITIONS**

*Subbasin ID - TCT5*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	20.51	1538.54
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	23.66	2176.59
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	4.63	384.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	4.28	402.20
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	35.75	3110.42
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	43.13	4097.09
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 131.96 **Composite CN =** 89

**EXISTING CONDITIONS**

*Subbasin ID - TCT6*

**H.S.G. Landuse TR-55 Cover Description CN Area (AC) CN x Area**

<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	90.27	6770.01
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	2.83	260.26
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58	6.03	349.94
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	30.09	2497.24
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	148.88	12952.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	17.68	1679.66
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	4.08	318.17
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 299.86

**Composite CN =** 83

**EXISTING CONDITIONS**

*Subbasin ID - TCT7*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	21.29	1596.71
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.94	249.75
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.29	26.88
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	95.54	7929.69
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	9.51	856.15
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	12.84	1207.33
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	161.35	14037.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.92	176.57
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	10.61	1007.87
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

Composite CN = 86

**DEVELOPED CONDITIONS**

*Basin ID - UT1-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	37.93	2844.85
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.05	4.85
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	78.50	6829.66
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	1.93	183.74
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 118.42

**Composite CN =** 83

**DEVELOPED CONDITIONS**

*Basin ID - UT1-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	21.76	1631.69
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	24.59	2139.19
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	3.35	318.05
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 49.69

**Composite CN =** 82



**DEVELOPED CONDITIONS**

*Basin ID - UT1-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	22.08	1920.65
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 22.08

**Composite CN =** 87

**EXISTING CONDITIONS**

**Basin ID - UT1-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	37.93	2844.85
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	0.05	4.85
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	78.50	6829.66
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	1.93	183.74
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 118.42

**Composite CN =** 83

**EXISTING CONDITIONS**

**Basin ID - UT1-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	21.76	1631.69
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	24.59	2139.19
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	3.35	318.05
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 49.69

**Composite CN =** 82

**EXISTING CONDITIONS**

*Basin ID - UT1-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	13.49	1173.88
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 13.49

**Composite CN =** 87

**DEVELOPED CONDITIONS**

*Subbasin ID - UT2-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	11.14	1002.68
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	21.42	1928.05
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	2.20	197.88
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	52.44	4562.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	39.90	3671.23
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	29.34	2699.60
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.67	337.57
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 160.12

**Composite CN =** 90

**DEVELOPED CONDITIONS**

*Subbasin ID - UT2-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.84	62.97
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.46	38.81
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	89.87	7459.15
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.53	677.80
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.17	15.09
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.86	80.89
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	79.59	6924.32
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	21.78	2003.63
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.54	325.98
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.35	216.53
	Commerial	Commerial and Business	95	1.49	141.43
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 208.48

**Composite CN =** 86

**DEVELOPED CONDITIONS**

*Subbasin ID - UT2-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	33.12	2748.79
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.39	124.70
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	39.37	3424.82
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.73	67.49
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.81	350.09
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.19	385.70
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 82.60

**Composite CN =** 86

**DEVELOPED CONDITIONS**

*Subbasin ID - UT2-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	21.57	1790.08
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	33.25	2892.83
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 54.82

**Composite CN =** 85



**EXISTING CONDITIONS**

**Subbasin ID - UT2-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	11.31	1018.23
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	21.75	1957.95
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	2.23	200.95
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	53.25	4632.75
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	40.52	3728.17
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	29.80	2741.43
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.10	285.01
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 161.97

**Composite CN =** 90

**EXISTING CONDITIONS**

**Subbasin ID - UT2-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	0.84	63.02
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.46	38.84
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	89.94	7465.02
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	7.54	678.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.17	15.11
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	0.86	80.96
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	79.49	6915.49
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	21.80	2005.21
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.55	326.24
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	2.36	216.70
	Commerial	Commerial and Business	95	1.49	141.55
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 208.48

**Composite CN =** 86

**EXISTING CONDITIONS**

*Subbasin ID - UT2-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	1.39	124.70
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	33.12	2351.34
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	0.14	12.50
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.73	67.49
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.81	350.08
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	4.19	385.69
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	39.29	3064.74
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 82.67

**Composite CN =** 77

**EXISTING CONDITIONS**

*Subbasin ID - UT2-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	7.77	645.12
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	13.67	970.88
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	11.98	1042.53
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	21.39	1668.28
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 54.82

**Composite CN =** 79

**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	37.43	2806.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	5.91	502.29
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.23	19.70
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	24.75	2277.03
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	16.65	1148.68
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	10.48	869.55
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.32	748.60
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.22	19.55
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	10.90	1024.27
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	23.86	1884.80
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	53.19	4627.33
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	9.40	864.83
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.25	22.68
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	11.44	1086.87
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	29.59	2485.96
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 242.60

**Composite CN =** 84

**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	25.69	1926.75
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	16.18	1342.76
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	1.08	101.49
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	51.63	4491.94
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 94.58

**Composite CN =** 83

**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.53	299.75
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	1.44	132.27
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	19.50	1618.09
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	14.15	1273.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	20.54	1848.93
	Commerial	Commerial and Business	94	24.04	2260.14
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	0.00	0.11
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	47.61	4142.12
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	54.59	5022.66
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.63	149.92
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.52	139.97
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.98	733.75
	Commerial	Commerial and Business	95	43.27	4110.93
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	1.26	105.76
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 241.06

**Composite CN =** 91

**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-D*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	1.12	95.59
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.02	369.63
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	22.79	1891.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.27	744.11
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	6.39	600.43
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	34.62	3012.25
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	5.32	489.84
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	4.76	451.93
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 87.29 **Composite CN =** 88



**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	96.01	8352.61
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 96.01 **Composite CN =** 87

**DEVELOPED CONDITIONS**

*Subbasin ID - UT3-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	4.54	340.25
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	98.90	8604.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 103.43

**Composite CN =** 86

**EXISTING CONDITIONS**

*Subbasin ID - UT3-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	37.43	2806.92
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	5.91	502.29
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.23	19.70
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	24.75	2277.03
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69	16.65	1148.68
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	10.48	869.55
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	8.32	748.60
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	0.22	19.55
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	10.90	1024.27
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	23.86	1884.80
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	53.19	4627.33
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	9.40	864.83
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.25	22.68
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	11.44	1086.87
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	29.59	2485.96
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 242.60

**Composite CN =** 84

**EXISTING CONDITIONS**

**Subbasin ID - UT3-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	2.79	209.60
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65	18.98	1233.79
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	13.63	1131.17
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76	7.79	592.19
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.28	111.35
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	50.10	4108.40

**Total Area (AC) =** 94.58

**Composite CN =** 78

**EXISTING CONDITIONS**

*Subbasin ID - UT3-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	3.53	299.75
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	1.44	132.27
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	11.72	973.00
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	14.15	1273.30
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90	20.54	1848.93
	Commerial	Commerial and Business	94	24.04	2260.14
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79	0.00	0.11
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	7.77	551.82
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	37.62	3272.94
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	54.59	5022.66
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.63	149.92
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.52	139.97
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92	7.98	733.75
	Commerial	Commerial and Business	95	43.27	4110.93
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84	1.26	105.76
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	9.99	779.26
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 241.06 **Composite CN =** 90

**EXISTING CONDITIONS**

**Subbasin ID - UT3-D**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65	5.54	360.37
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	14.47	1200.74
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76	22.55	1713.92
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	3.65	317.83
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	41.07	3367.93

**Total Area (AC) =** 87.29

**Composite CN =** 80

**EXISTING CONDITIONS**

*Subbasin ID - UT3-E*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	96.01	7872.58

**Total Area (AC) =** 96.01

**Composite CN =** 82

**EXISTING CONDITIONS**

*Subbasin ID - UT3-F*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65	4.56	296.38	
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82	88.63	7268.06	

**Total Area (AC) =** 93.19

**Composite CN =** 81



**DEVELOPED CONDITIONS**

*Subbasin ID - UT4-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	37.29	3094.73
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.94	354.83
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	76.78	6680.04
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	6.14	564.42
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.08	7.91
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82			

**Total Area (AC) =** 124.23

**Composite CN =** 86

**DEVELOPED CONDITIONS**

*Subbasin ID -UT4-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.51	415.09
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	3.98	358.34
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	3.55	333.66
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	1.61	140.35
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	28.09	2668.73
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 41.75

**Composite CN =** 94

**DEVELOPED CONDITIONS**

*Subbasin ID -UT4-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	5.16	474.75
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	8.83	829.71
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	20.57	1953.73
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 34.55

**Composite CN =** 94

**EXISTING CONDITIONS**

**Subbasin ID - UT4-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	41.23	2927.22
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	82.92	6467.53
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	0.08	6.83

**Total Area (AC) =** 124.23

**Composite CN =** 76

**EXISTING CONDITIONS**

**Subbasin ID - UT4-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65	4.51	293.27	
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	3.98	282.69
Undeveloped - Brush	Brush-brush, weed, grass mixture	76	3.55	269.76	
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	1.61	125.83
Undeveloped - Brush	Brush-brush, weed, grass mixture	82	28.09	2303.54	

**Total Area (AC) =** 41.75

**Composite CN =** 78

**EXISTING CONDITIONS**

*Subbasin ID - UT4-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commercial	Commercial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commercial	Commercial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65	5.16	335.42	
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commercial	Commercial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76	8.83	670.83	
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commercial	Commercial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82	20.57	1686.37	

**Total Area (AC) =** 34.55

**Composite CN =** 78

**DEVELOPED CONDITIONS**

*Subbasin ID - UT5-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	40.43	3031.97
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	2.88	238.98
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	150.48	13091.86
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 193.79

**Composite CN=** 84

**DEVELOPED CONDITIONS**

*Subbasin ID - UT5-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	4.05	303.39
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	4.99	424.16
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83	1.87	155.51
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90	5.44	489.44
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94	2.36	222.03
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	15.14	1317.47
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	0.17	15.66
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	13.03	1238.30
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 47.06

**Composite CN=** 89



**DEVELOPED CONDITIONS**

*Subbasin ID - UT5-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	6.46	613.25
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 6.46

**Composite CN=** 95

**EXISTING CONDITIONS**

**Subbasin ID - UT5-A**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58	52.18	3026.59
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	3.72	263.88
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	19.96	1736.77
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	117.92	9198.12
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 193.79

**Composite CN=** 73

**EXISTING CONDITIONS**

**Subbasin ID - UT5-B**

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58	9.04	524.05
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71	9.67	686.84
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	28.35	2211.17
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 47.06

**Composite CN=** 73

**EXISTING CONDITIONS**

*Subbasin ID - UT5-C*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65		
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78	6.46	503.51
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82		

**Total Area (AC) =** 6.46

**Composite CN=** 78

**DEVELOPED CONDITIONS**

*Subbasin ID - UT6-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	51.83	3887.28
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	2.57	218.17
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65			
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	142.15	12367.47
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	3.15	289.56
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	0.17	16.17
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82	3.14	257.33	

**Total Area (AC) =** 203.01 **Composite CN =** 84

**DEVELOPED CONDITIONS**

*Subbasin ID - UT6-B*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
Undeveloped - Brush	Brush-brush, weed, grass mixture	43			
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75	5.45	408.54
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85	0.66	55.83
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92	4.96	455.99
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
Undeveloped - Brush	Brush-brush, weed, grass mixture	65	8.98	583.90	
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
Undeveloped - Brush	Brush-brush, weed, grass mixture	76			
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87	5.37	467.55
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92	1.02	93.53
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95	13.46	1278.52
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
Undeveloped - Brush	Brush-brush, weed, grass mixture	82	18.29	1500.05	

**Total Area (AC) =** 58.19 **Composite CN =** 83

**EXISTING CONDITIONS**

*Subbasin ID - UT6-A*

<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65	54.40	3535.81
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	148.61	12186.07

**Total Area (AC) =** 203.01 **Composite CN =** 77

**EXISTING CONDITIONS**

**Subbasin ID - UT6-B**

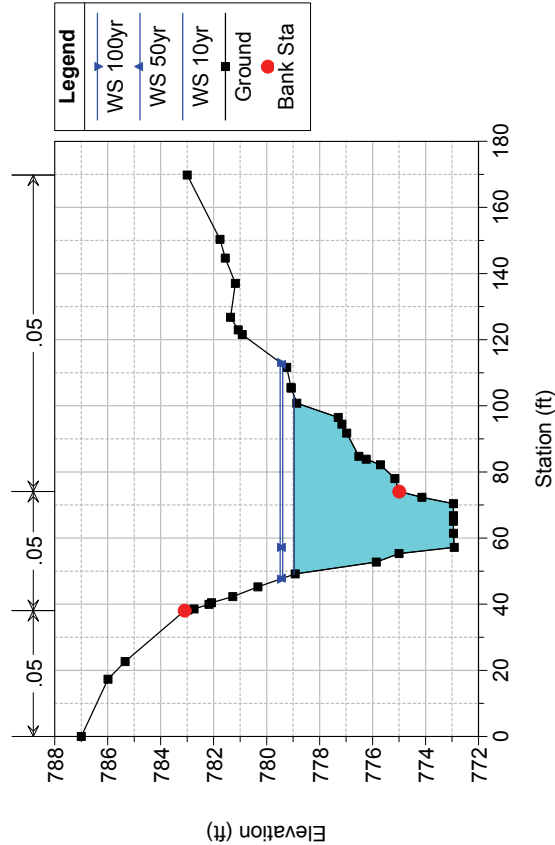
<i>H.S.G.</i>	<i>Landuse</i>	<i>TR-55 Cover Description</i>	<i>CN</i>	<i>Area (AC)</i>	<i>CN x Area</i>
<b>A</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	61		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	77		
	Commerial	Commerial and Business	89		
	Manufacturing/Industrial	Industrial	81		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	49		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	30		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	43		
<b>B</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	75		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	85		
	Commerial	Commerial and Business	92		
	Manufacturing/Industrial	Industrial	88		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	69		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	58		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	65	20.04	1302.82
<b>C</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	83		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	90		
	Commerial	Commerial and Business	94		
	Manufacturing/Industrial	Industrial	91		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	79		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	71		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	76		
<b>D</b>	Single Family Residential	Res. Dist. By Ave. Lot Size - 1/4 acre	87		
	Mixed Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Med. Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	High Density Residential	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Mobile Home Park	Res. Dist. By Ave. Lot Size - 1/8 acre	92		
	Commerial	Commerial and Business	95		
	Manufacturing/Industrial	Industrial	93		
	Government	Open Space (lawns, parks, etc) - Fair Cond.	84		
	Undeveloped - Meadow	Meadow-Cont. grass, generally mowed	78		
	Undeveloped - Brush	Brush-brush, weed, grass mixture	82	38.14	3127.66

**Total Area (AC) =** 58.19

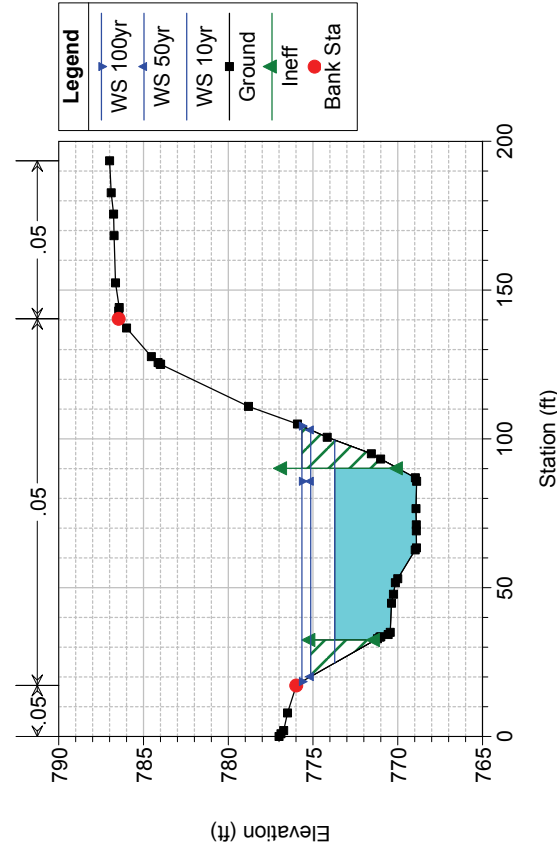
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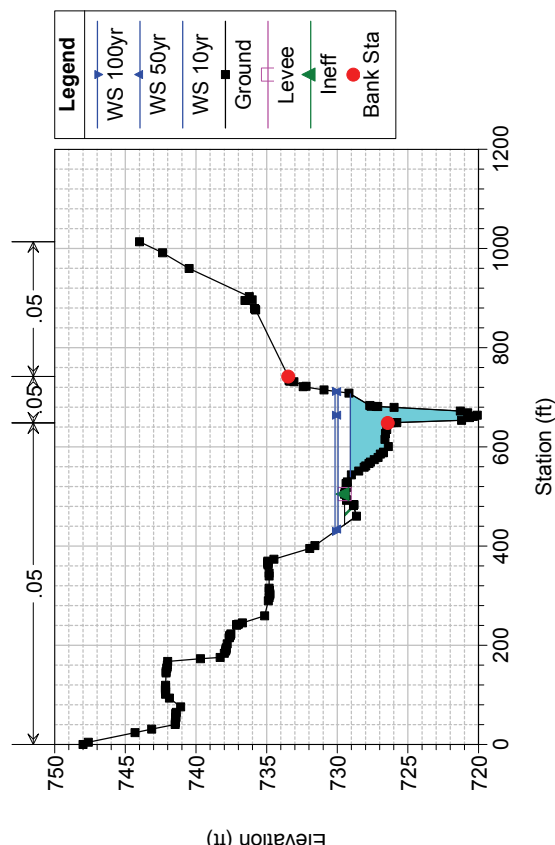
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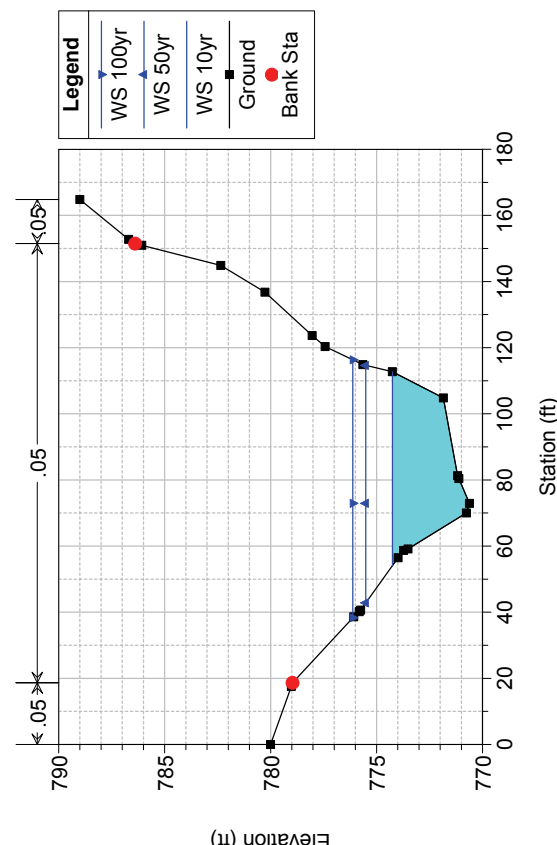
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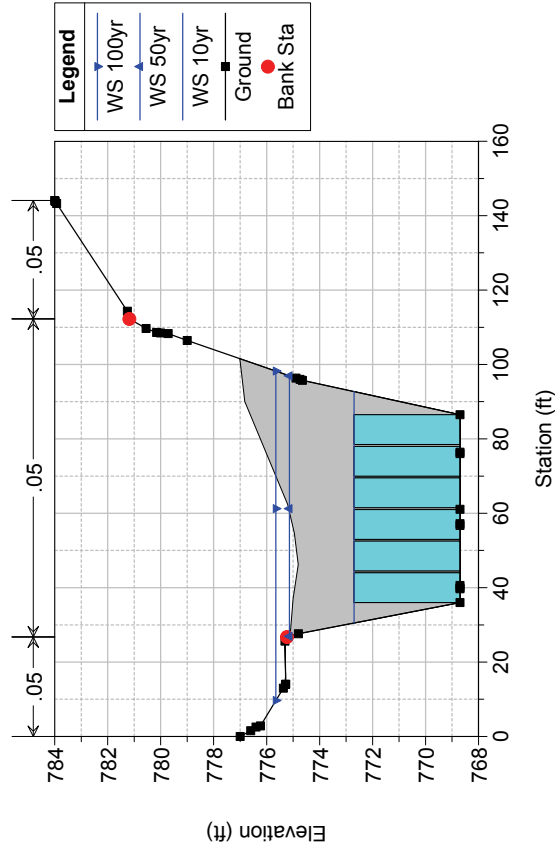
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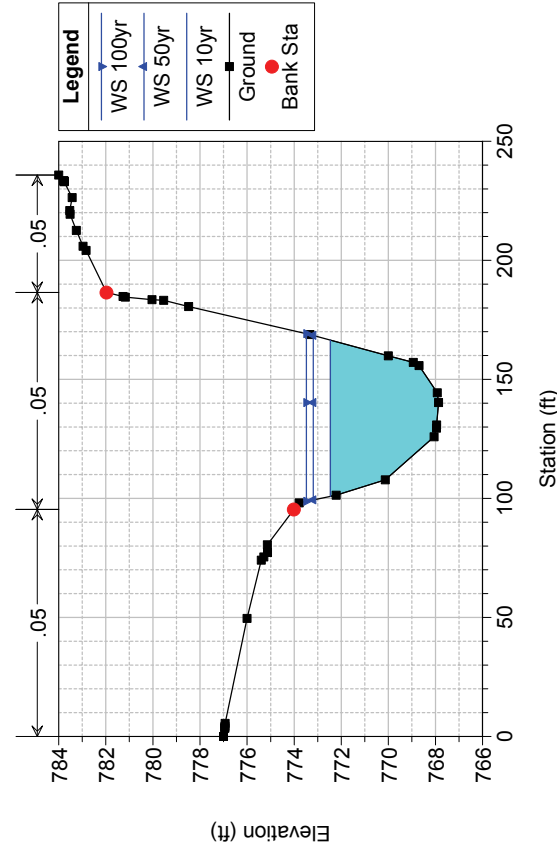
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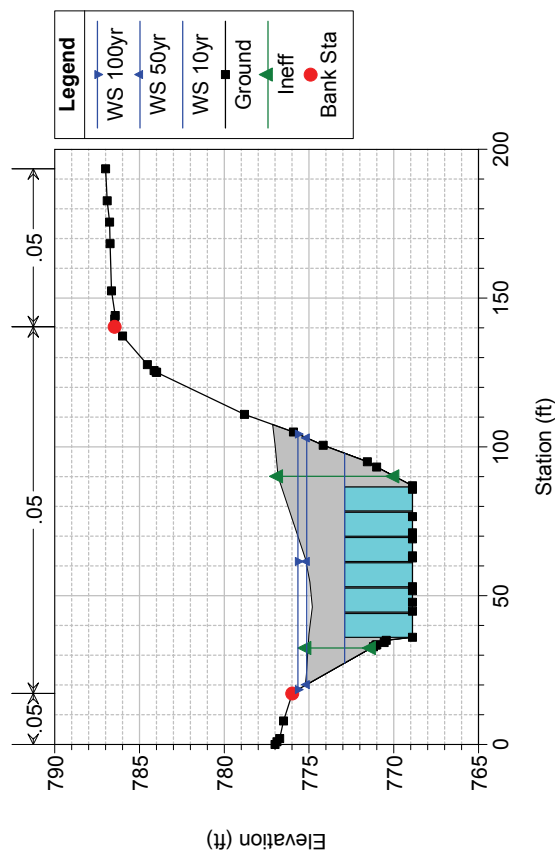
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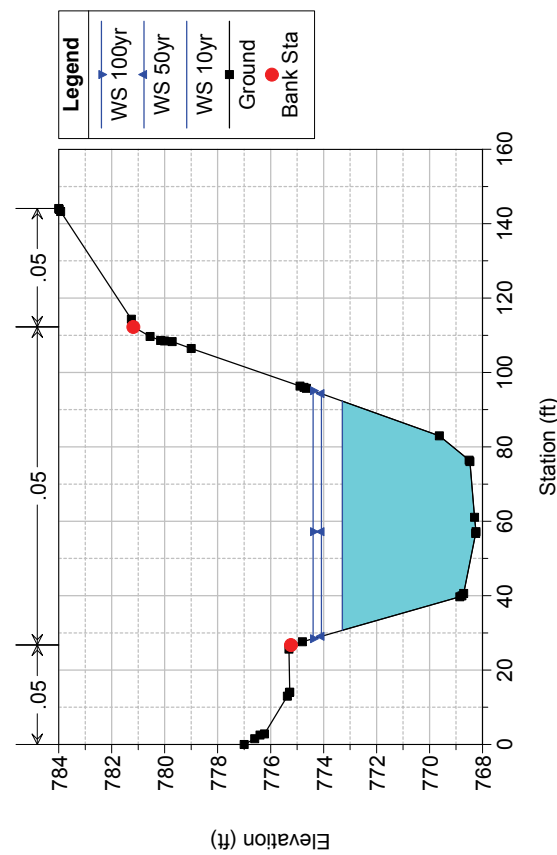
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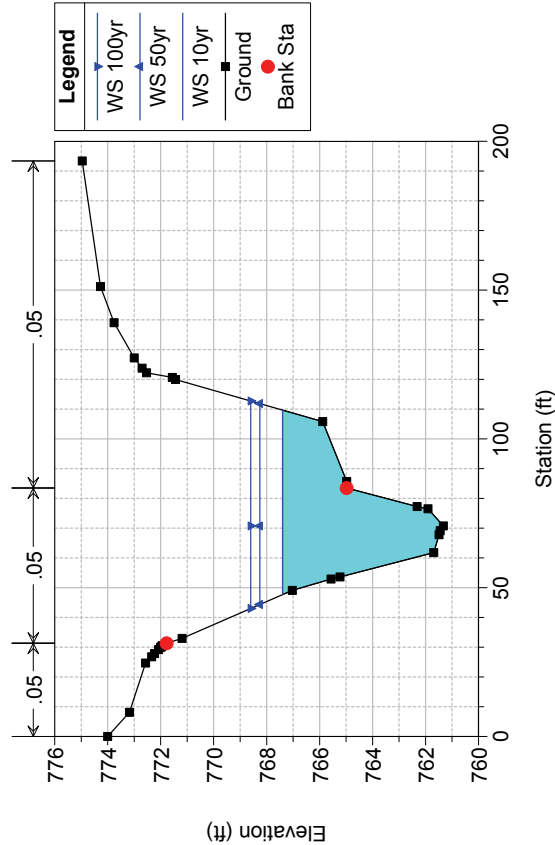
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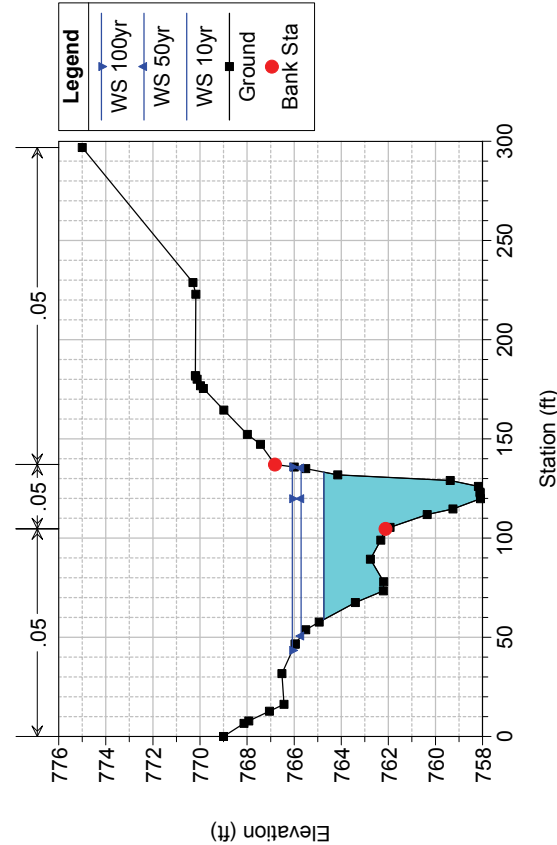
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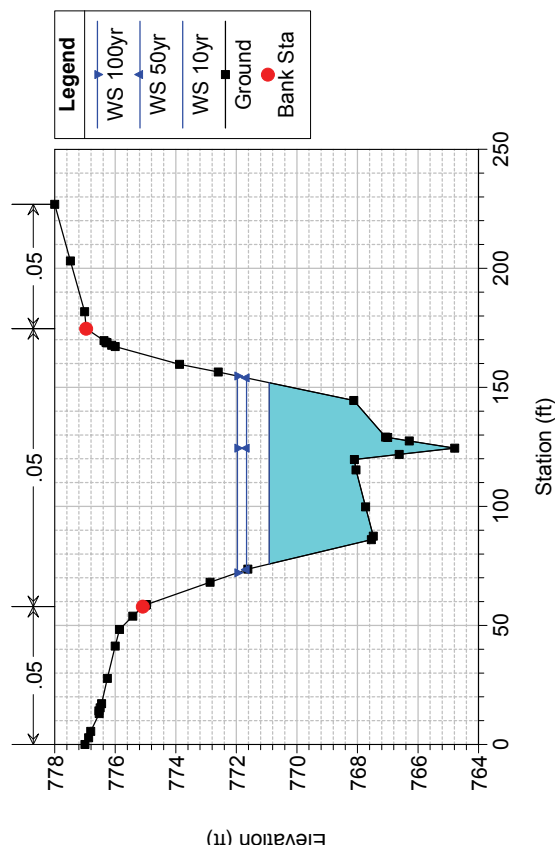
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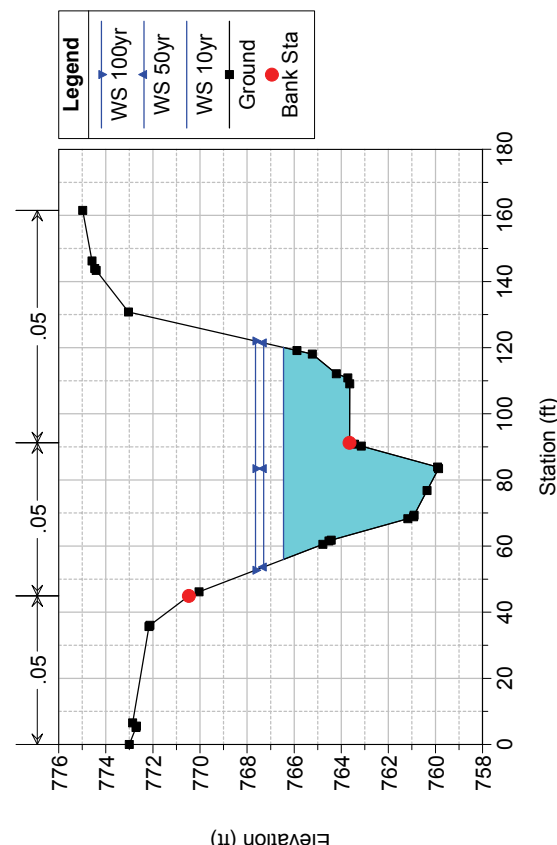
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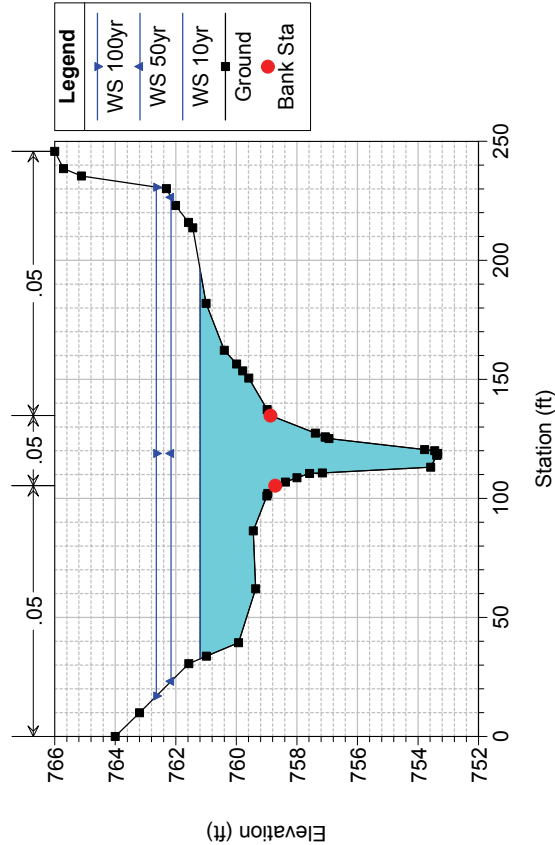
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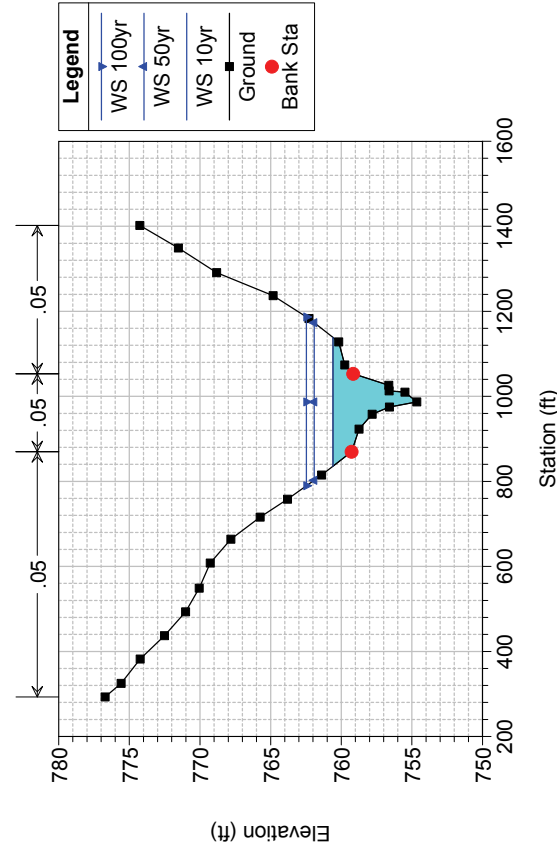
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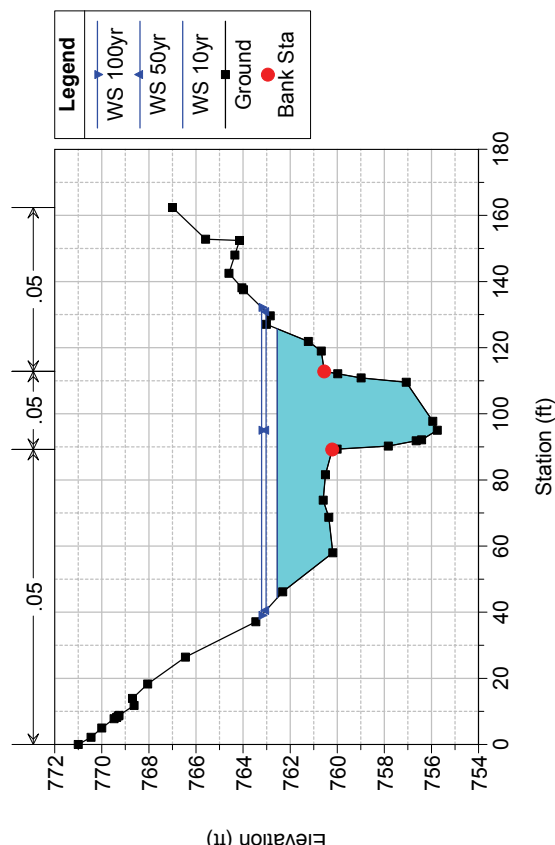
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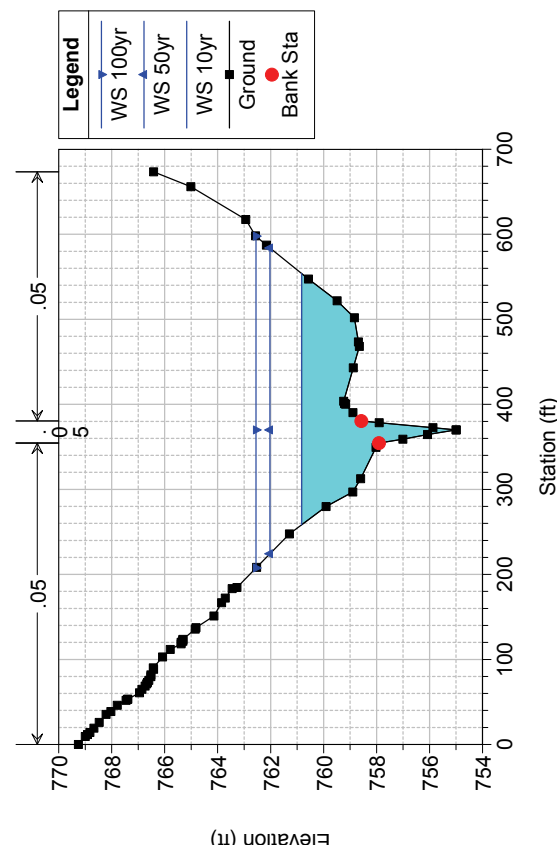
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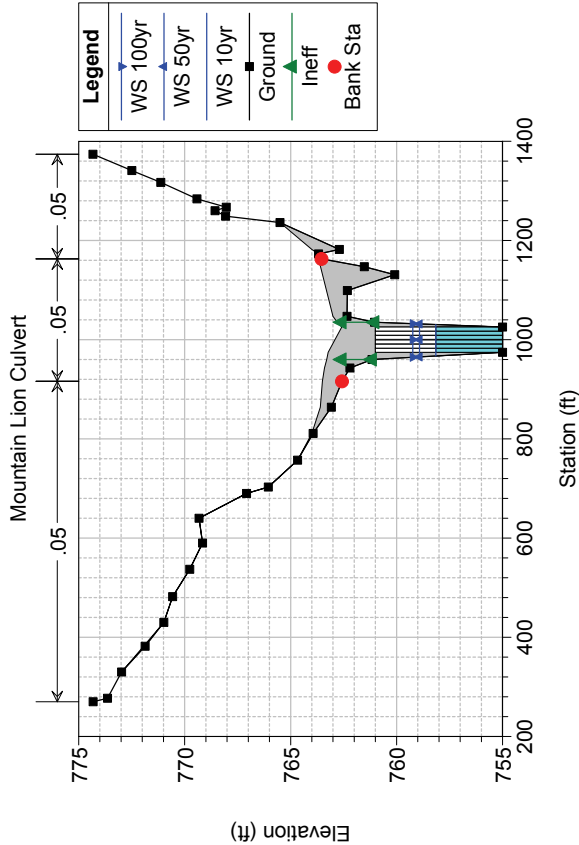
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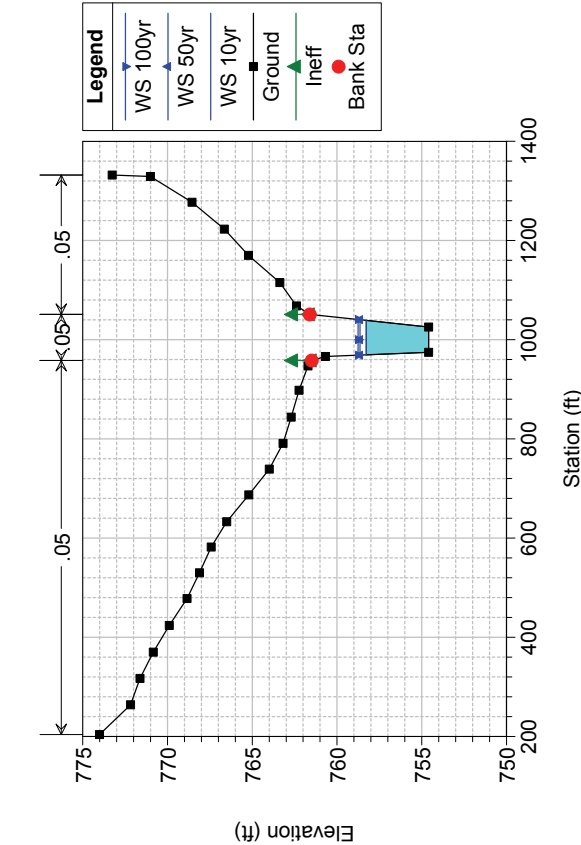
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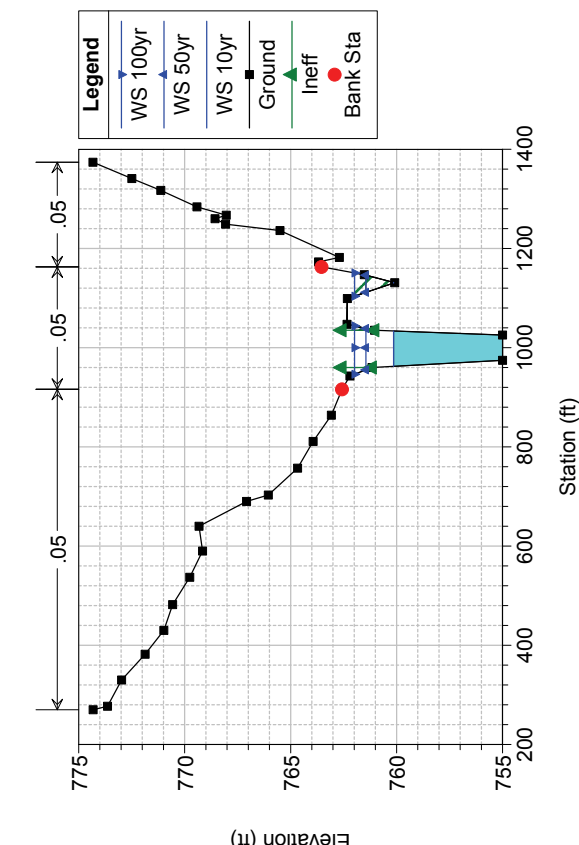
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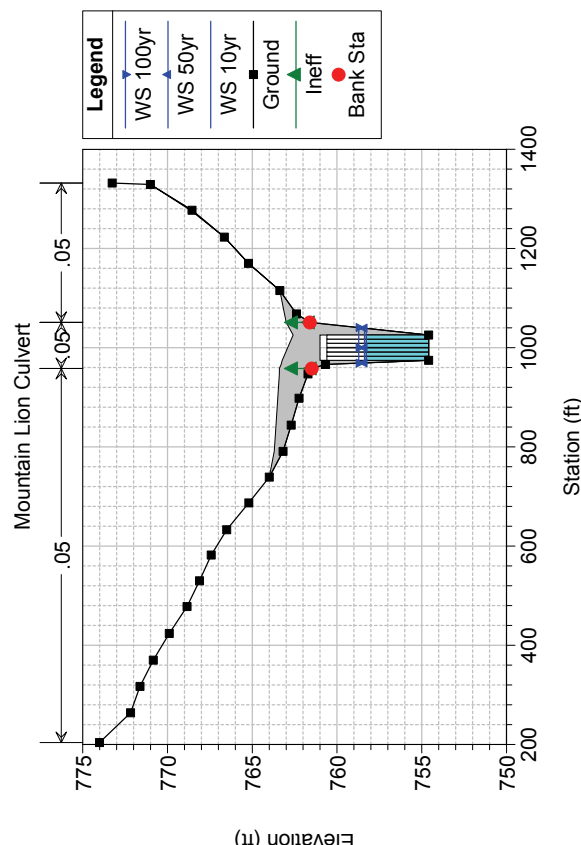
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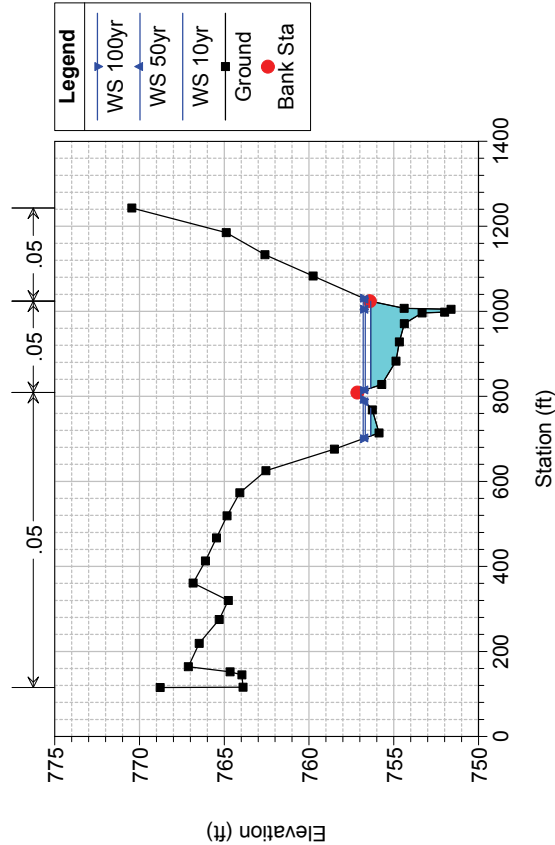
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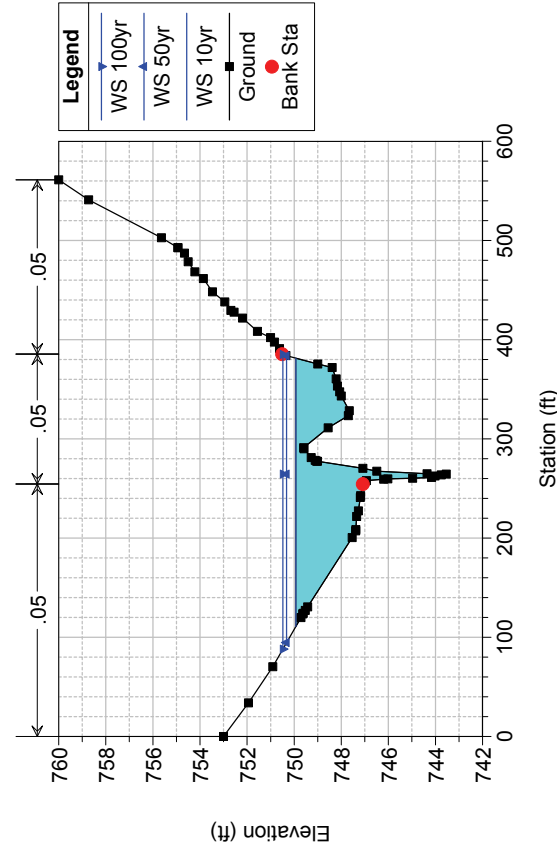
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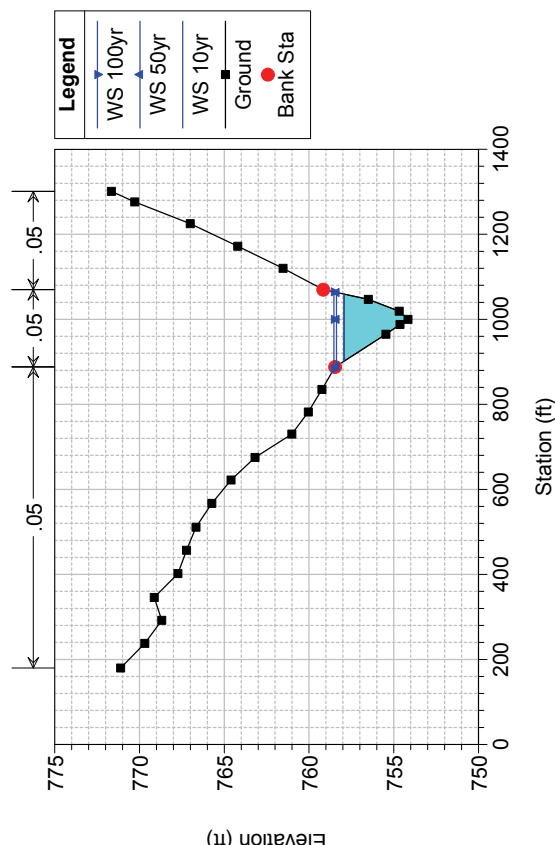
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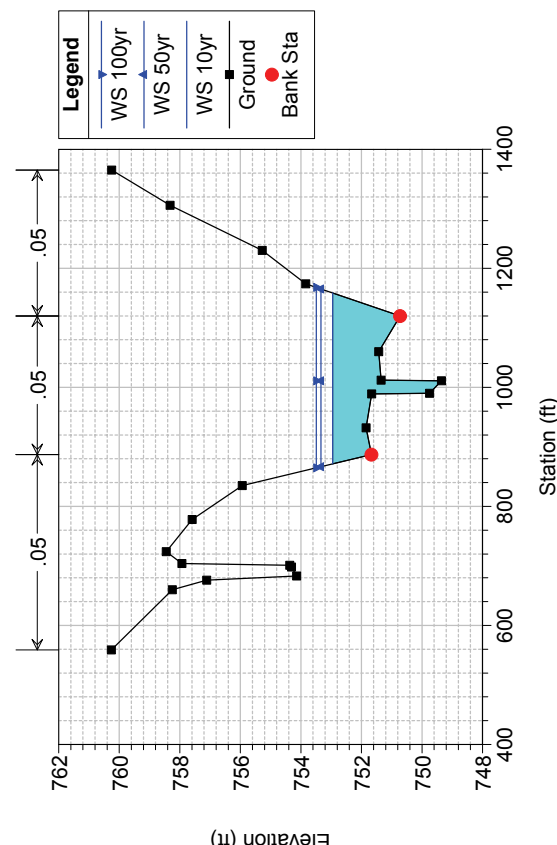
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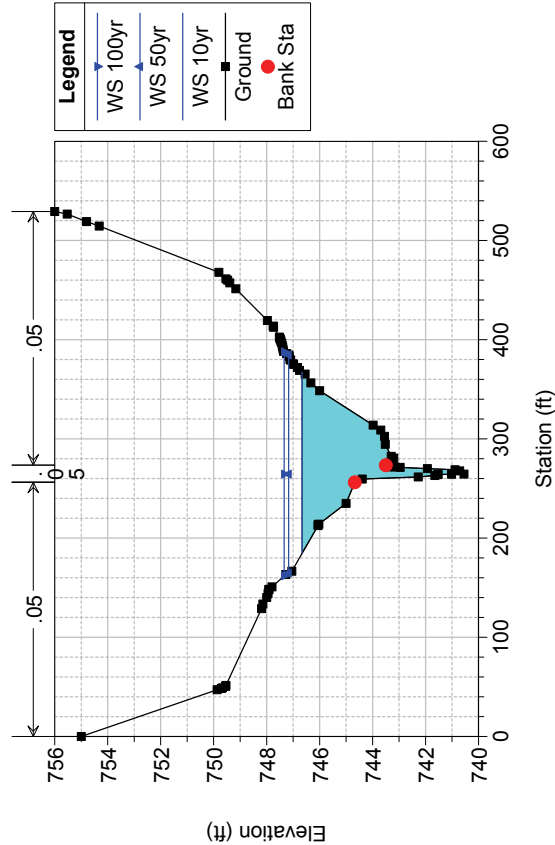
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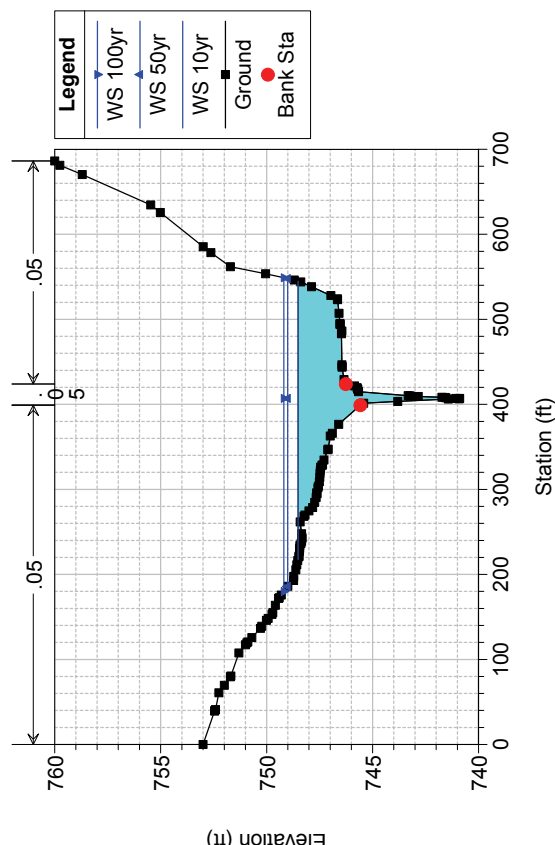
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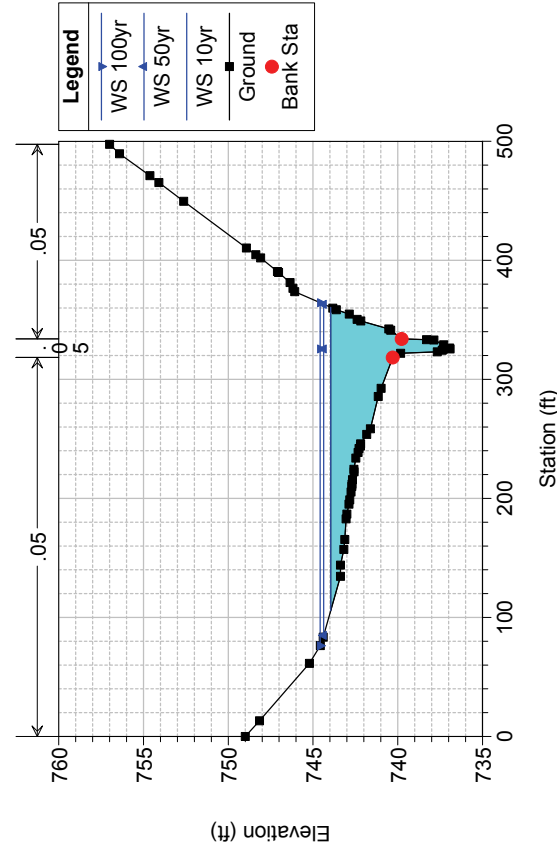
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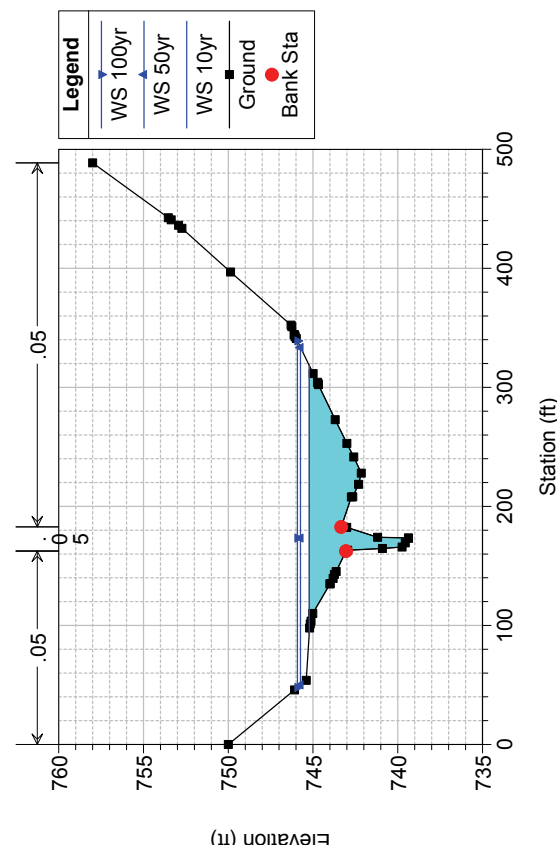
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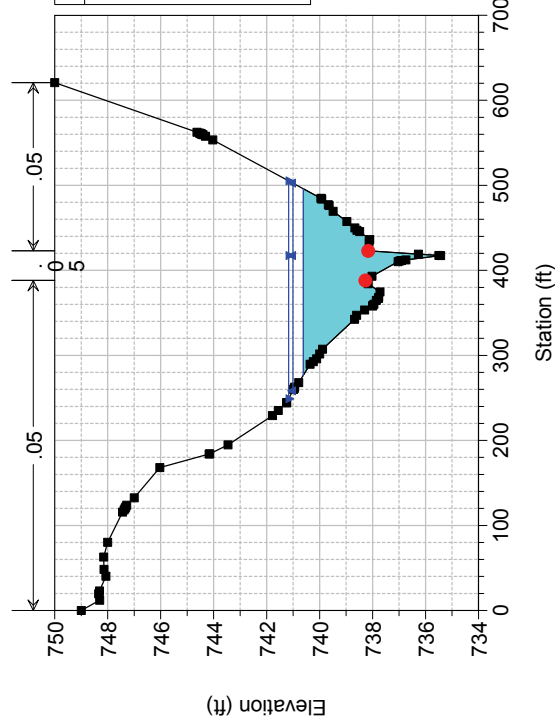
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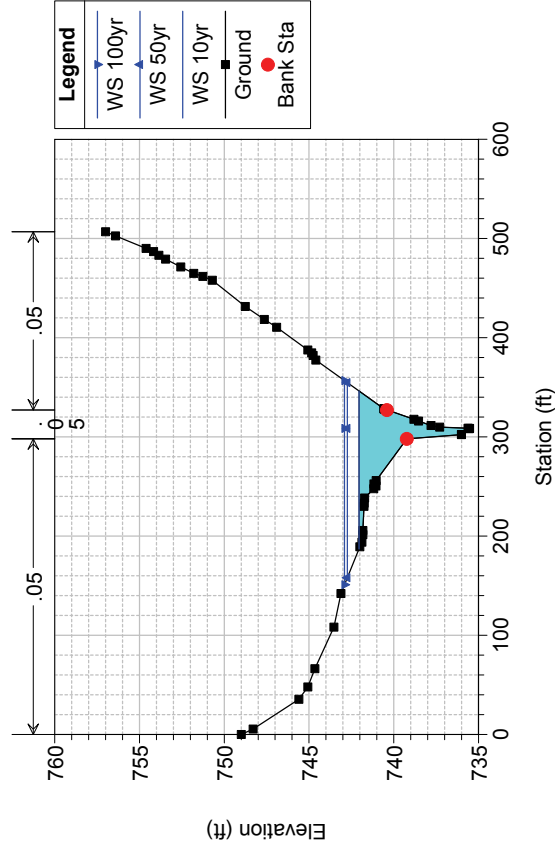
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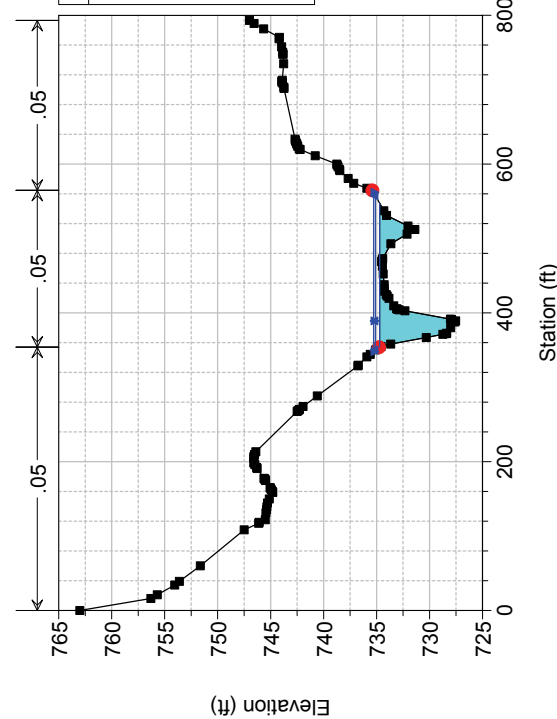
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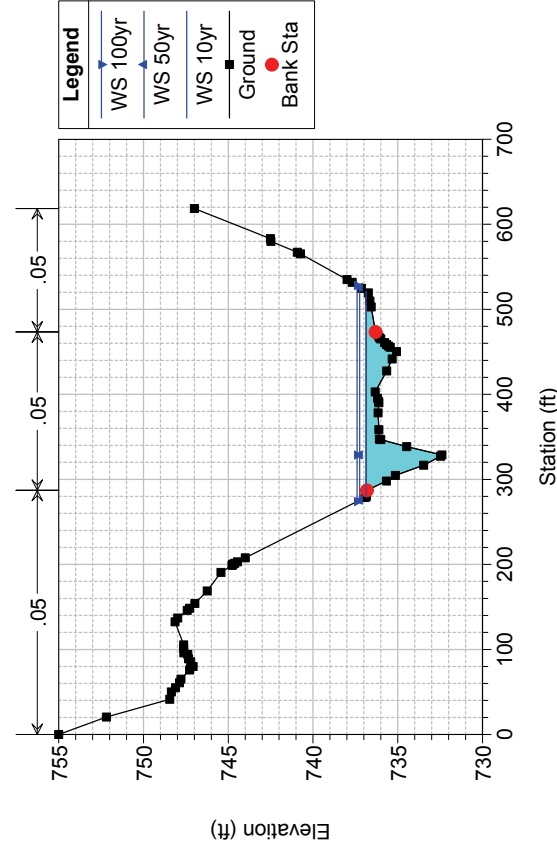
Acorn Creek Tributary Plan: 2-01366 Existing Plan 11/4/2014



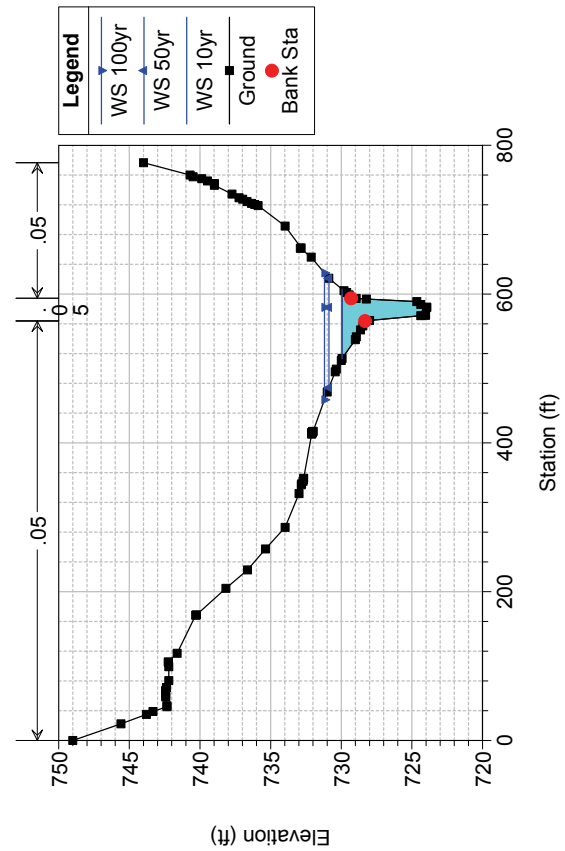
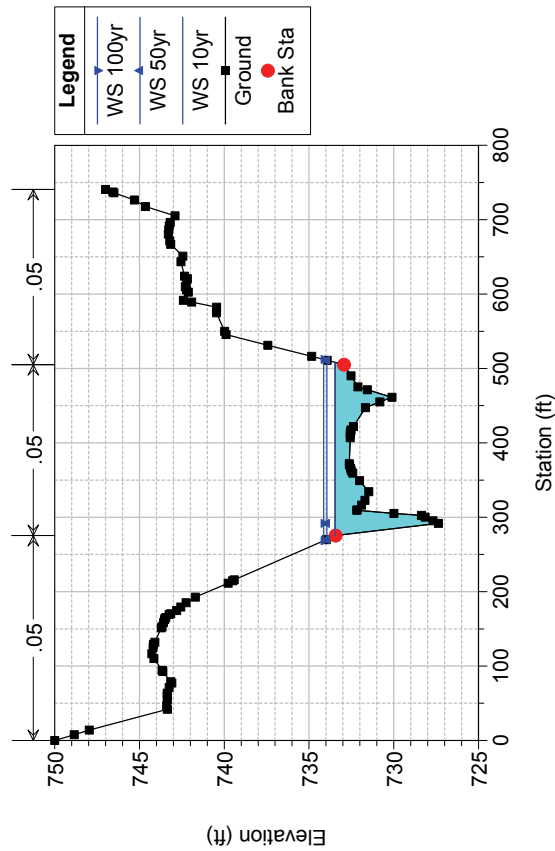
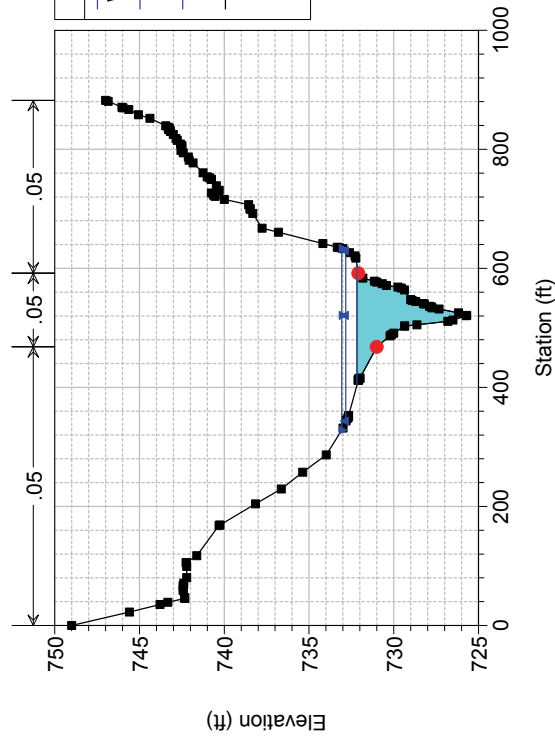
Acorn Creek Tributary Plan: 2-01366 Existing Plan 11/4/2014

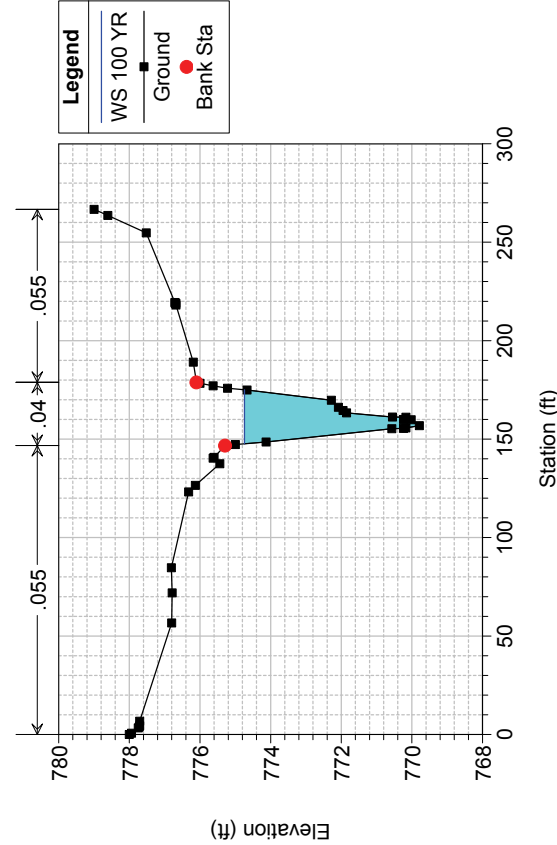
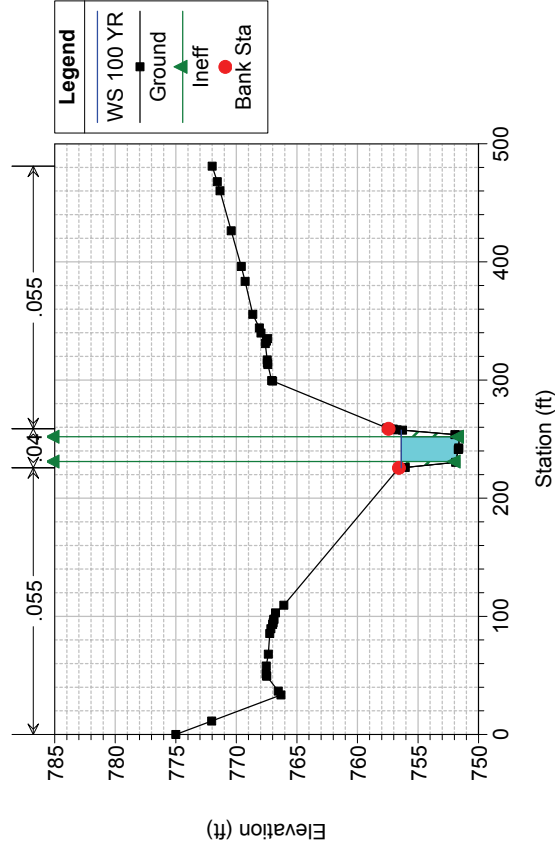
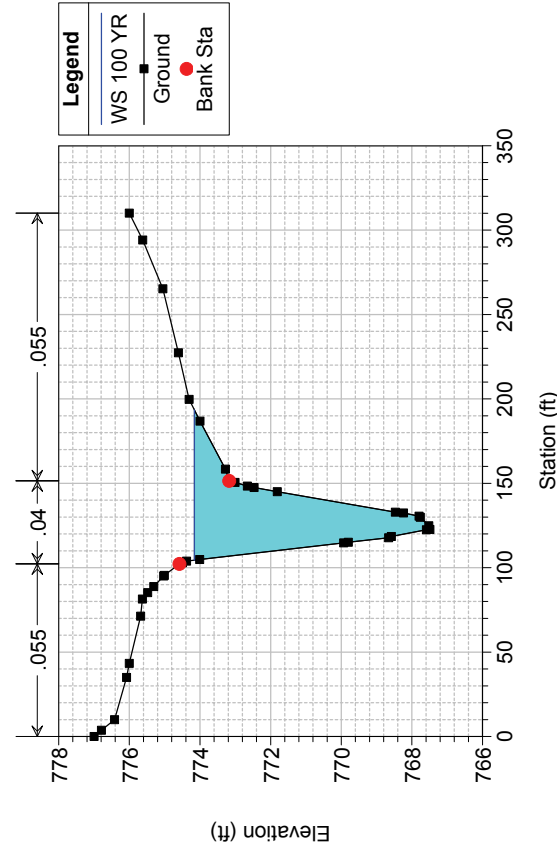
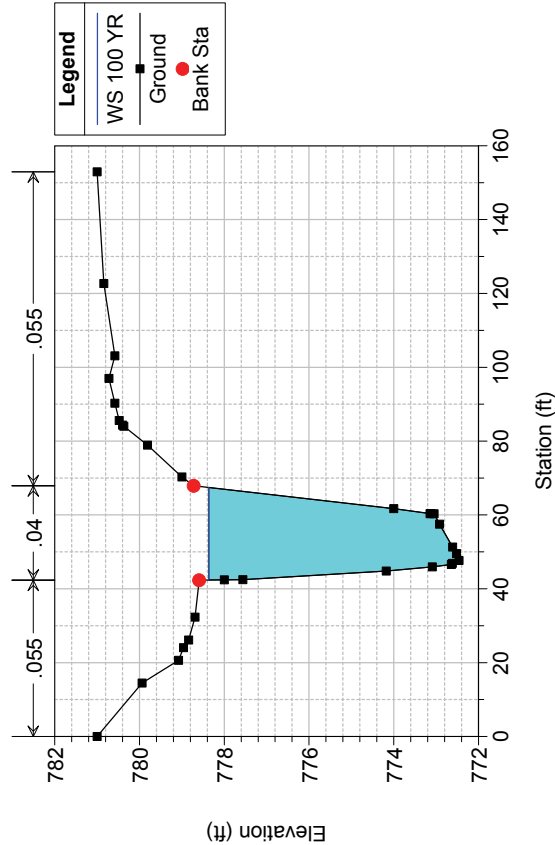


Acorn Creek Tributary Plan: 2-01366 Existing Plan 11/4/2014

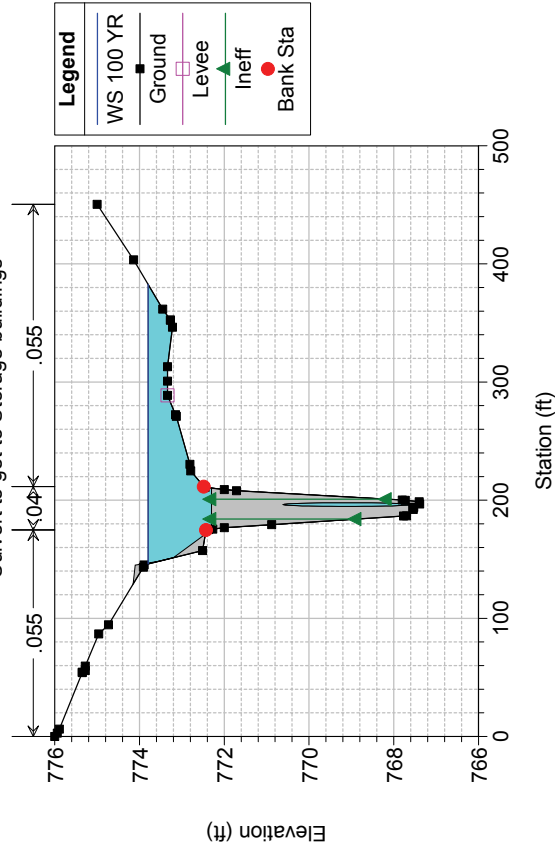




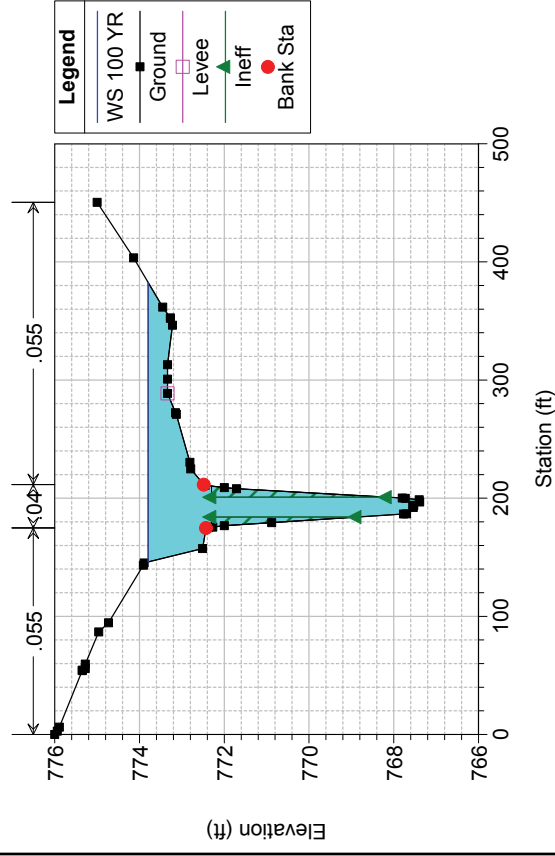




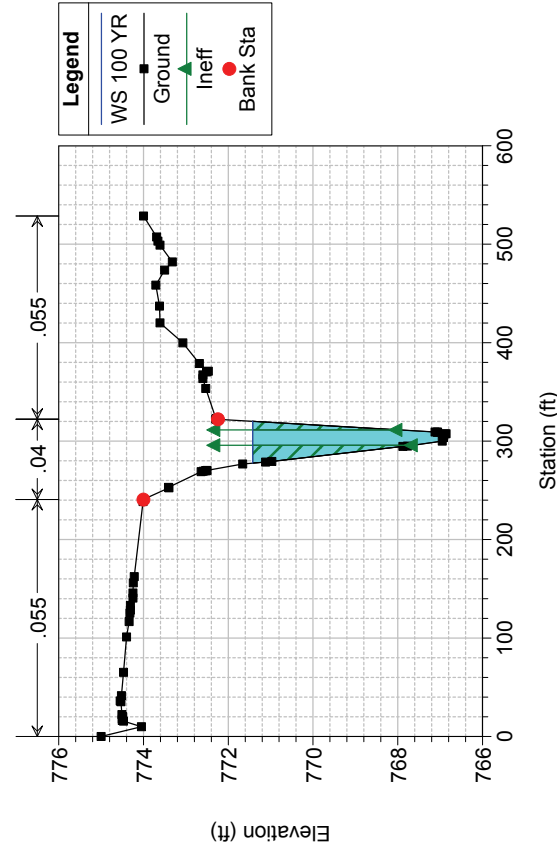
Culvert to get to Storage buildings



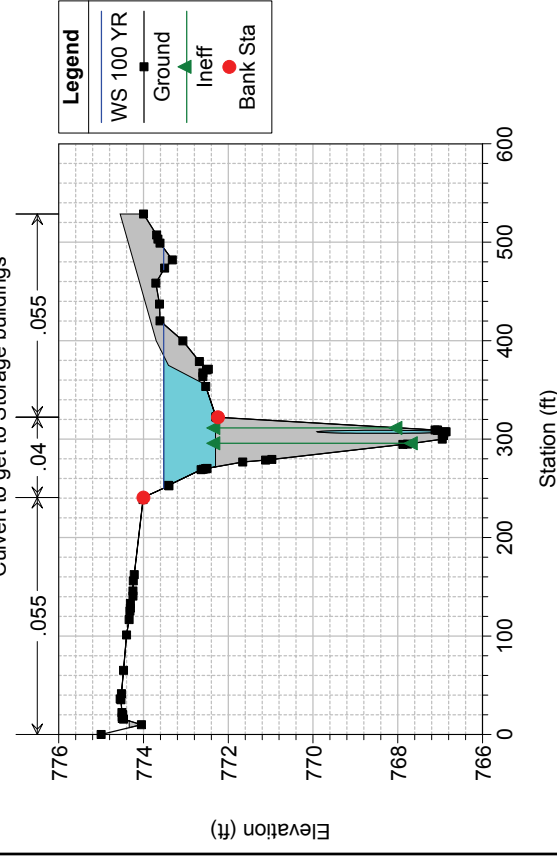
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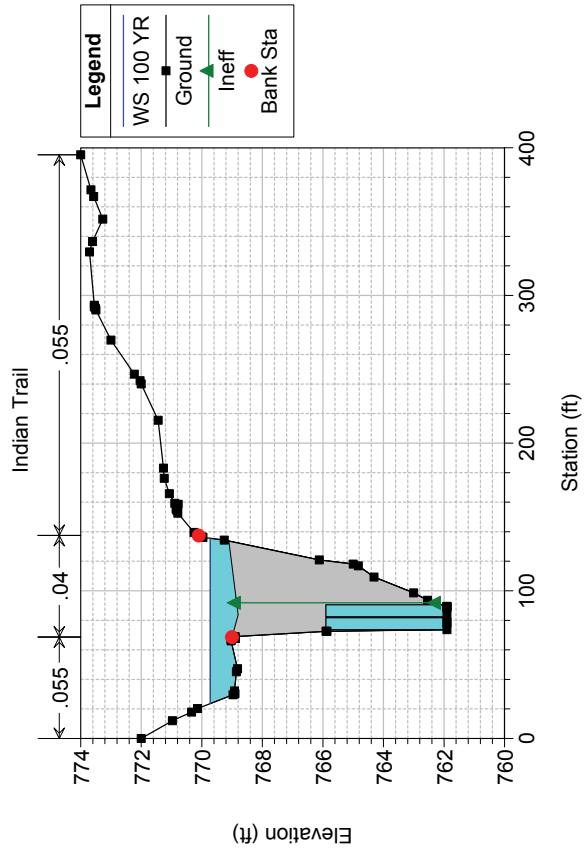
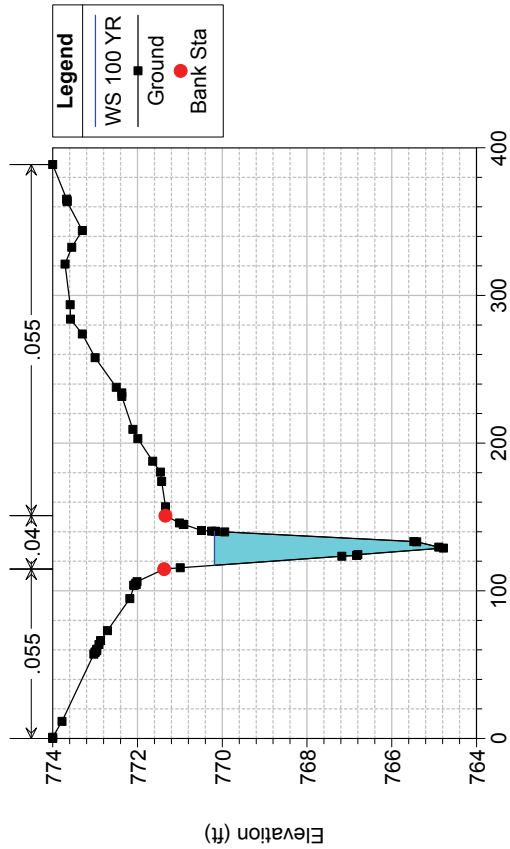
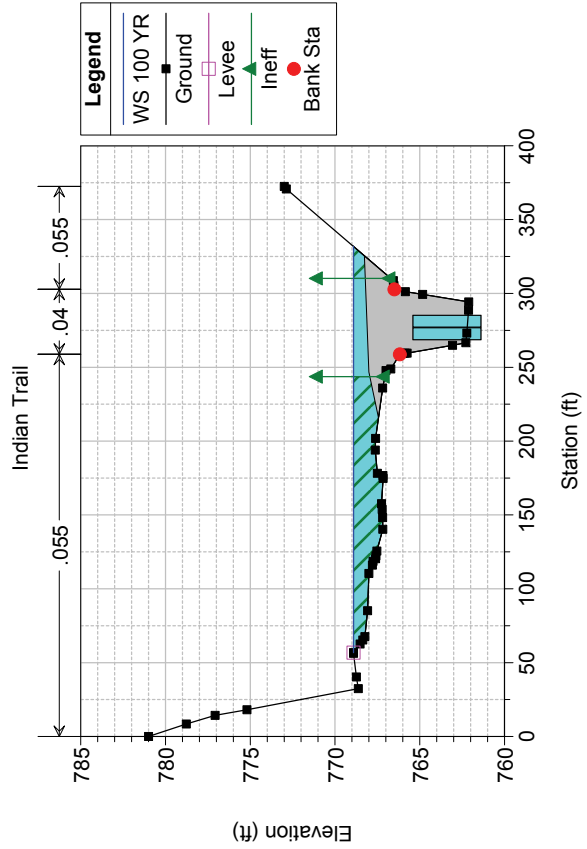
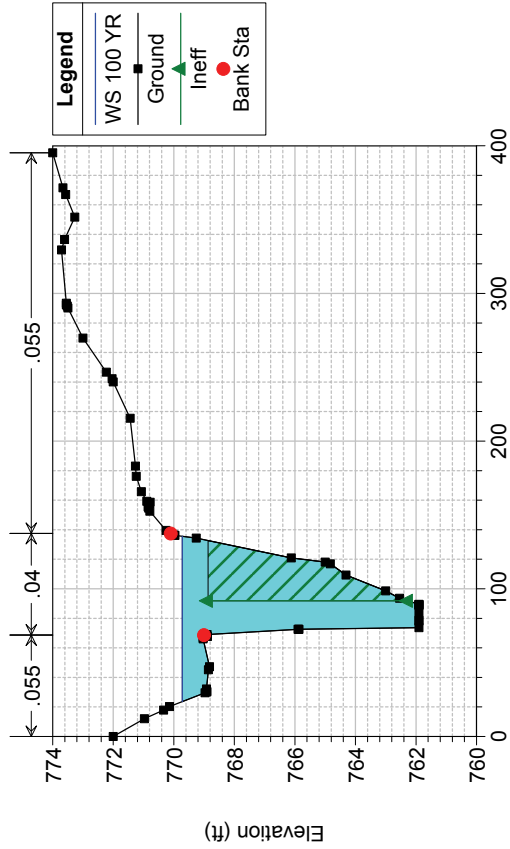


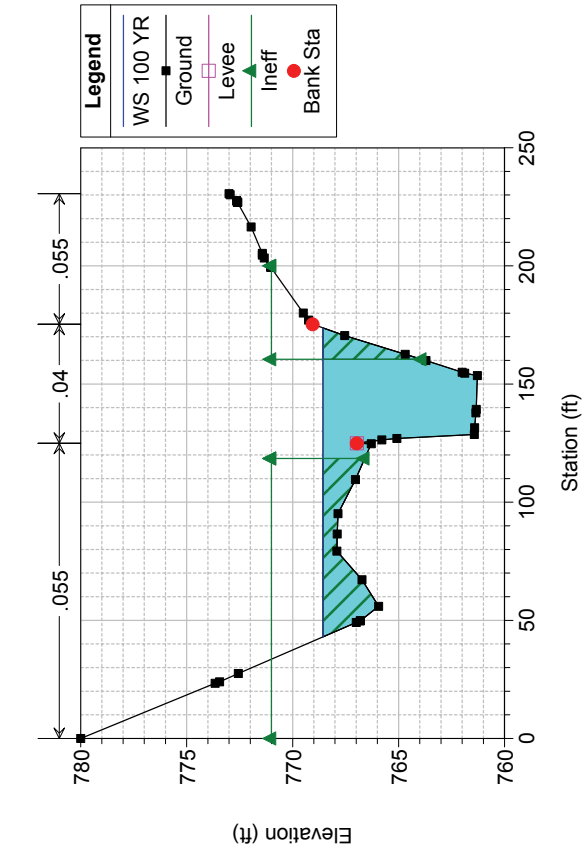
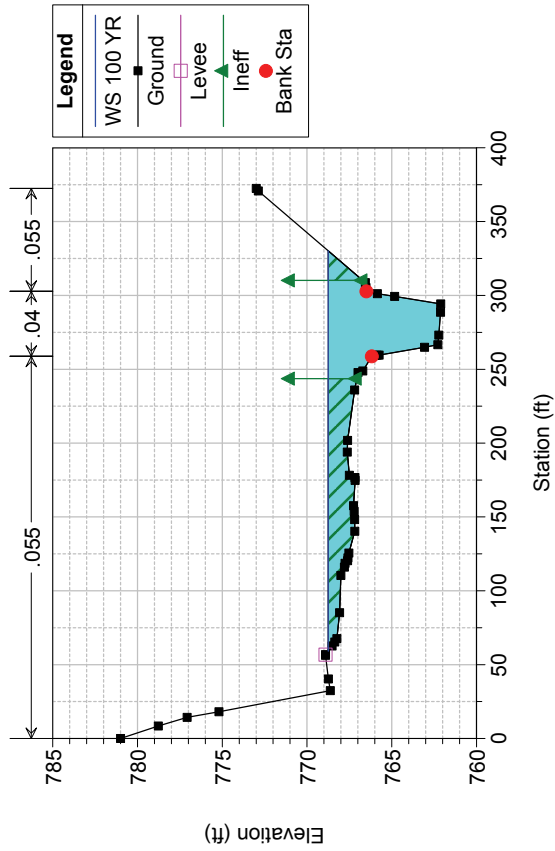
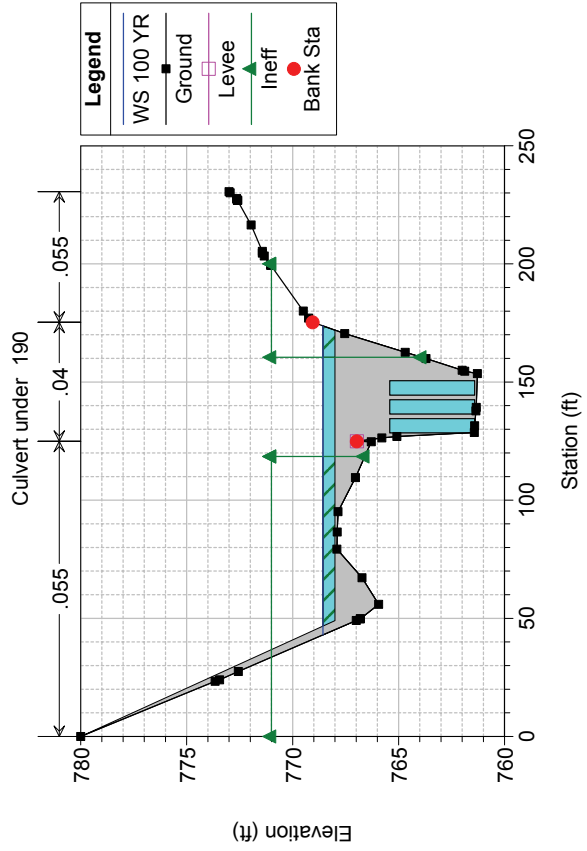
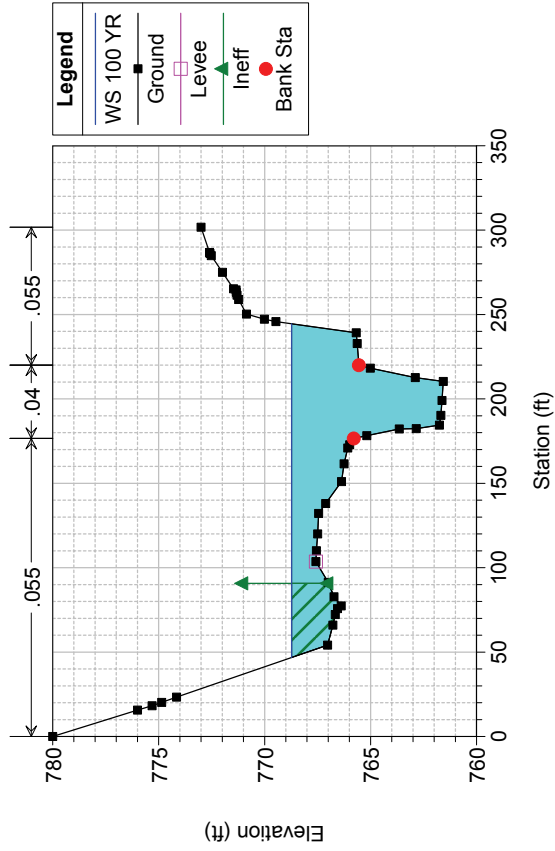
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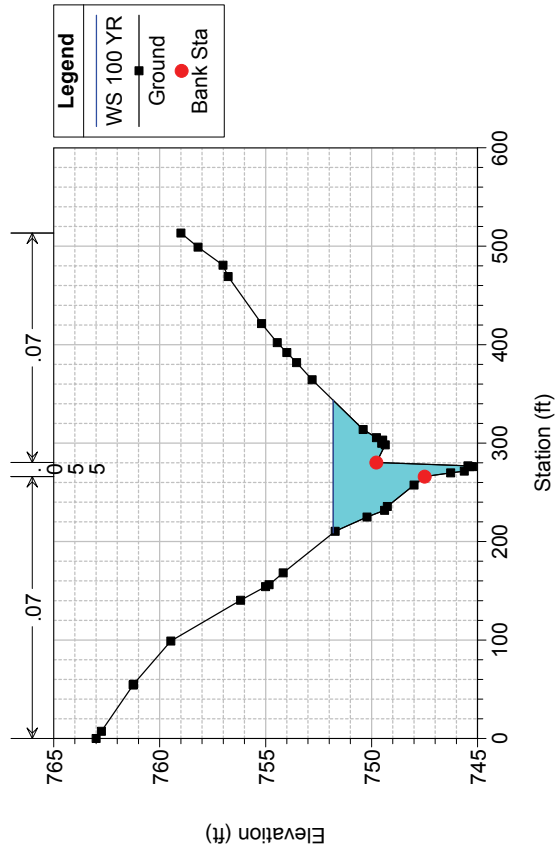
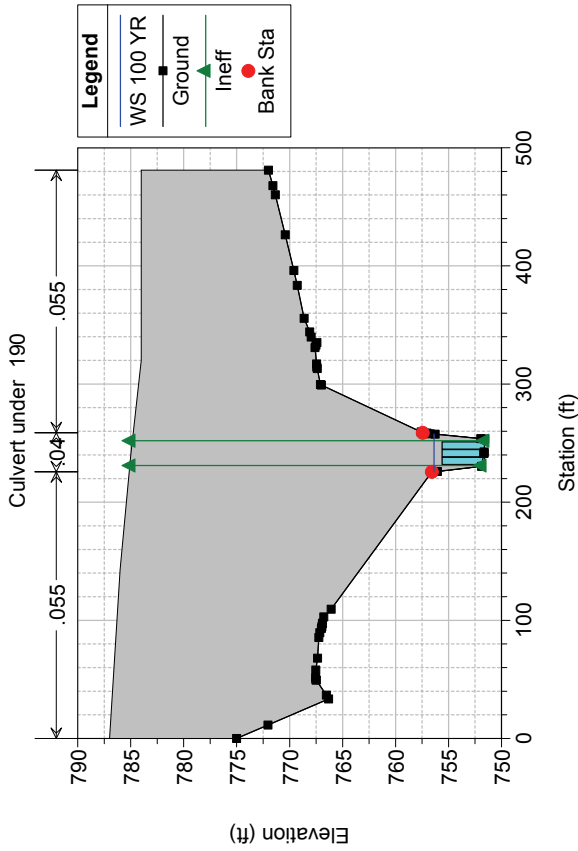
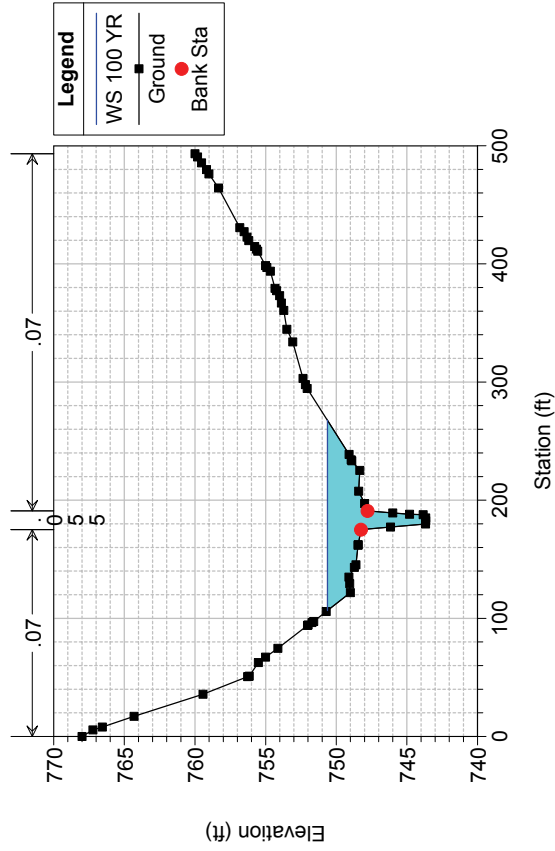
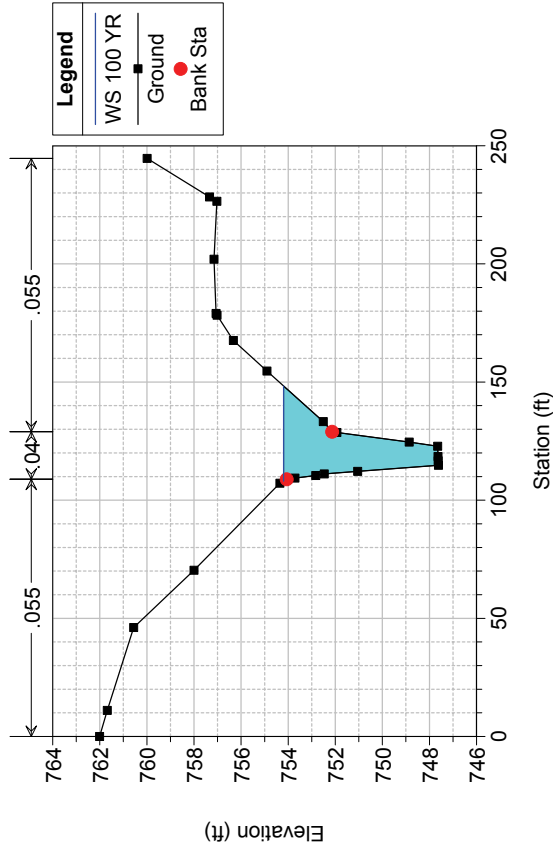


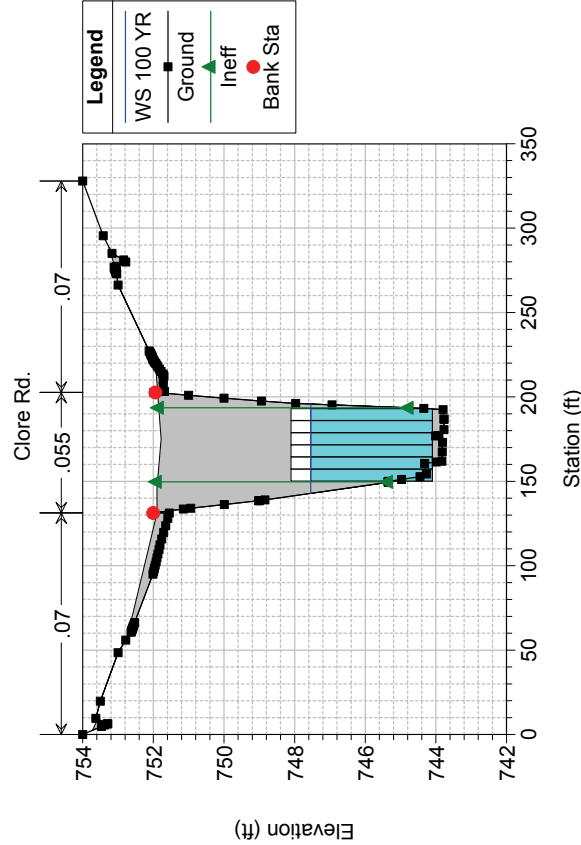
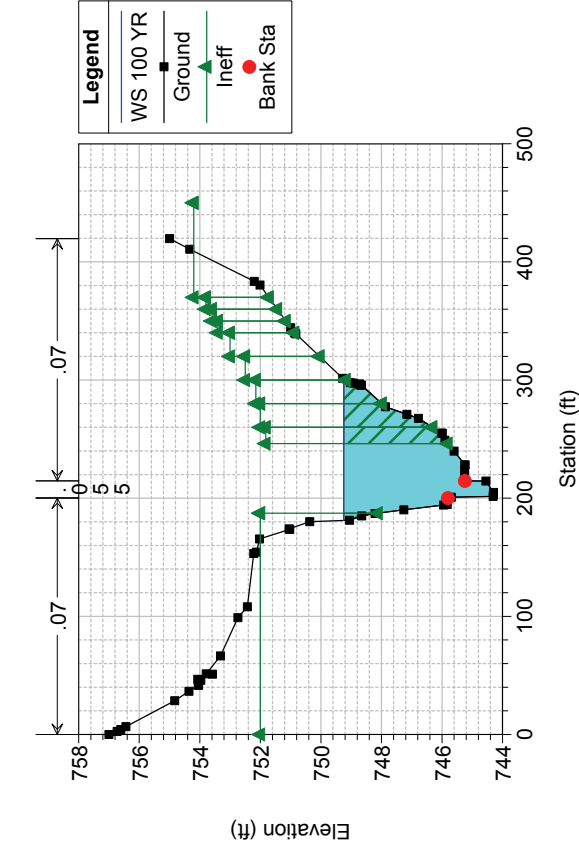
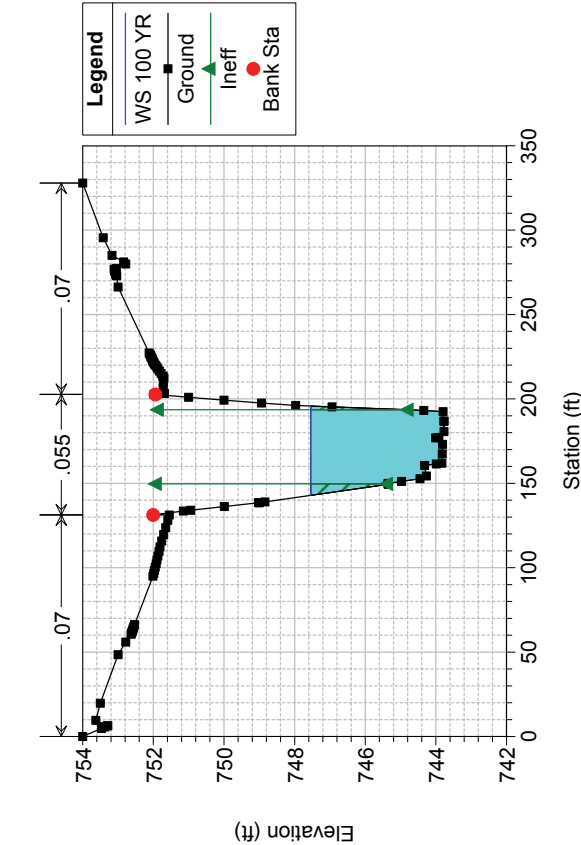
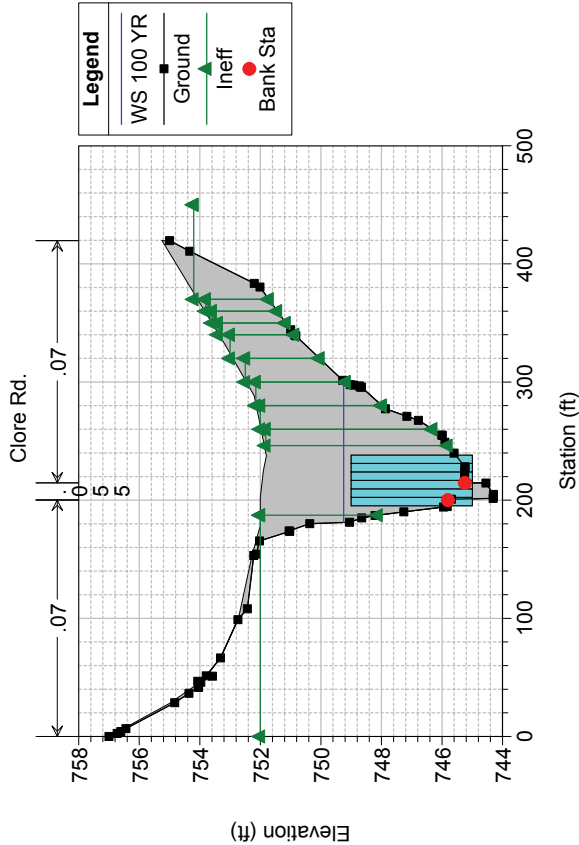
Culvert to get to Storage buildings

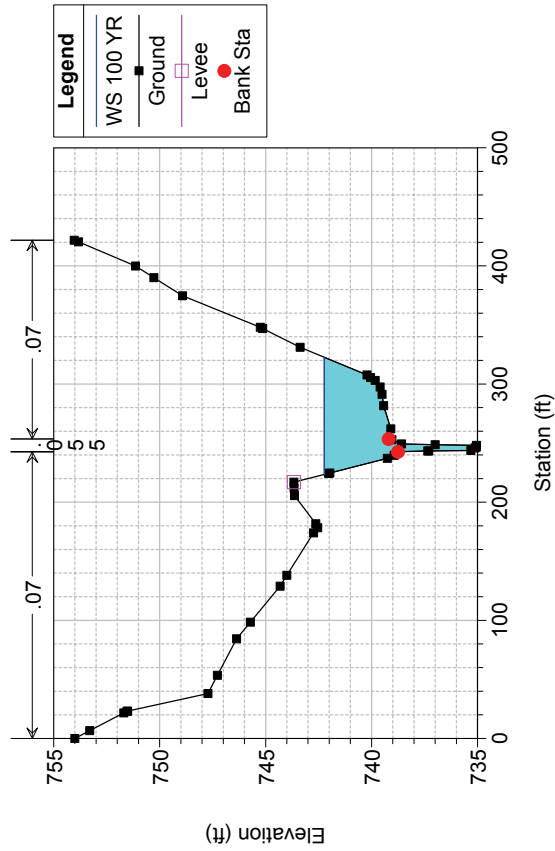
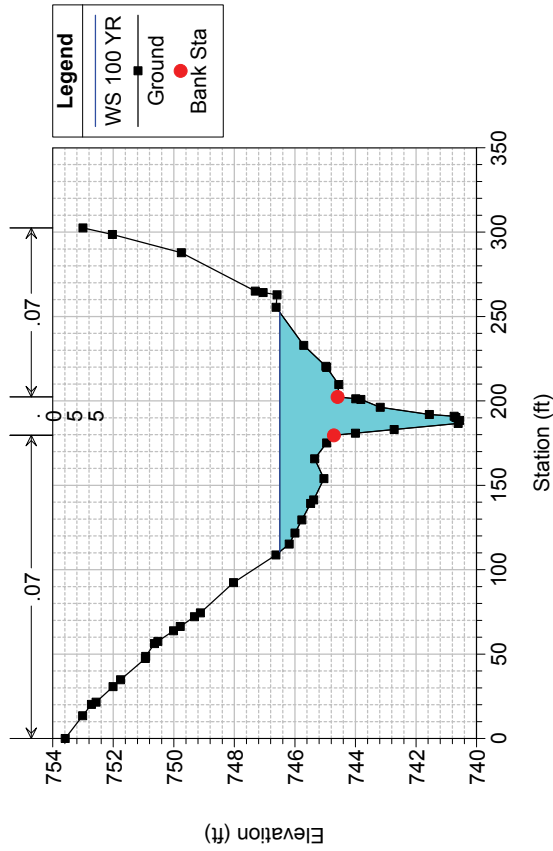
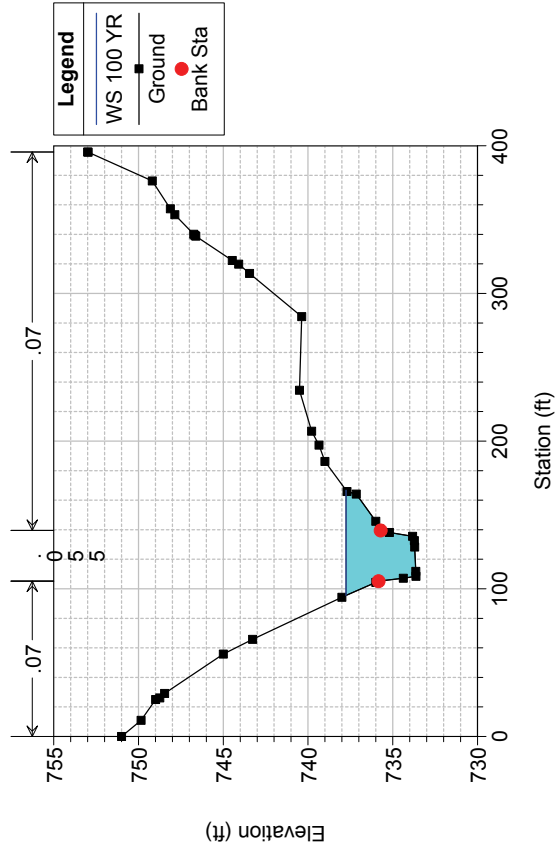
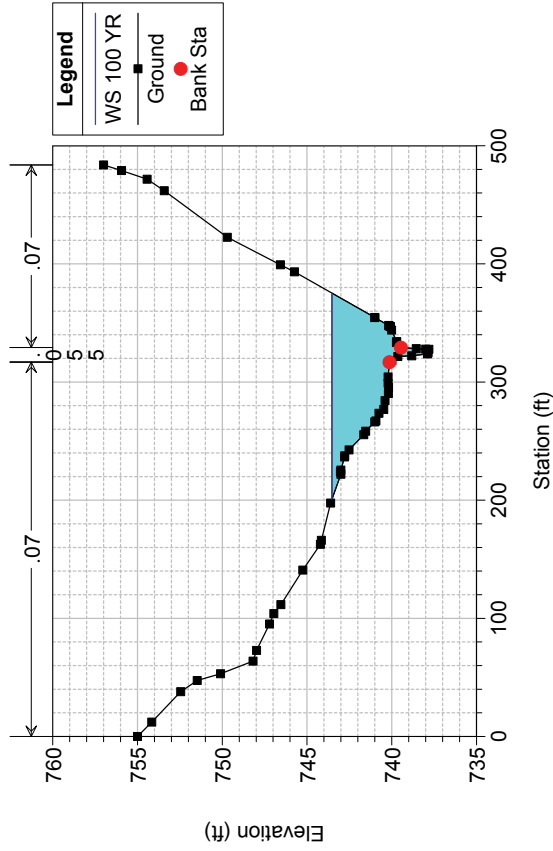




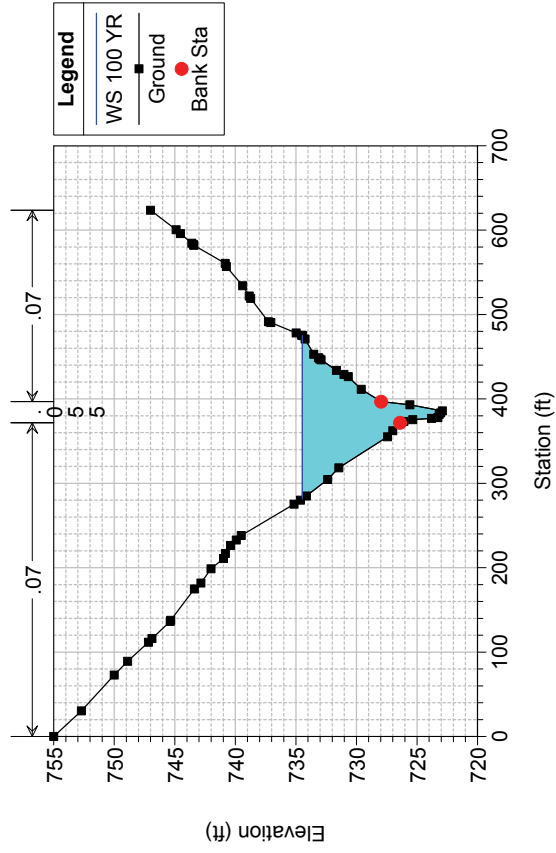
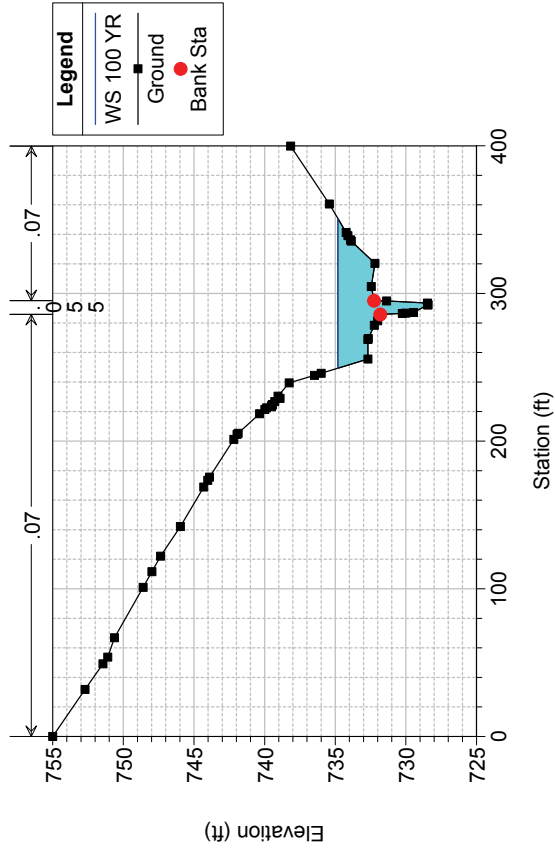
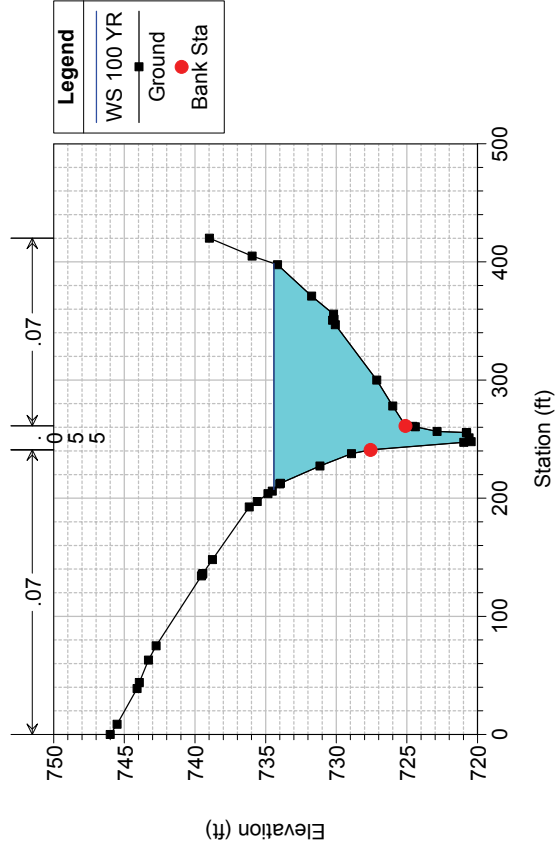
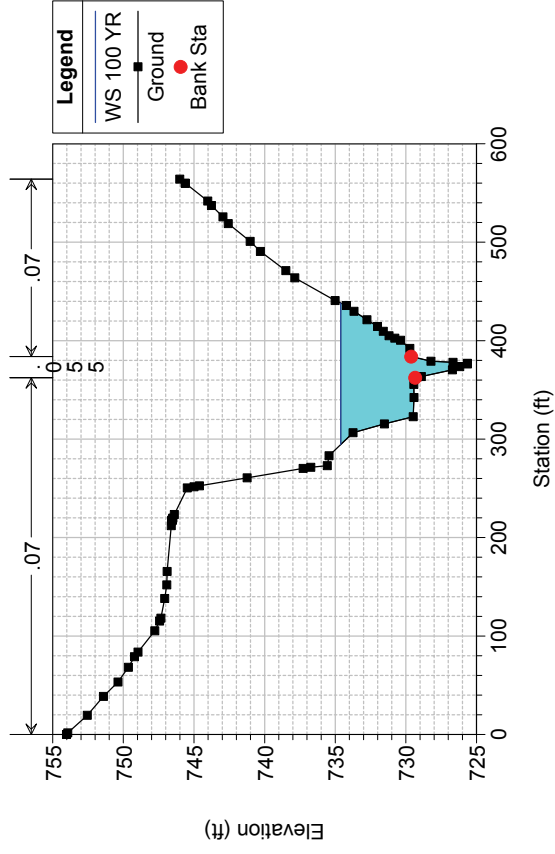


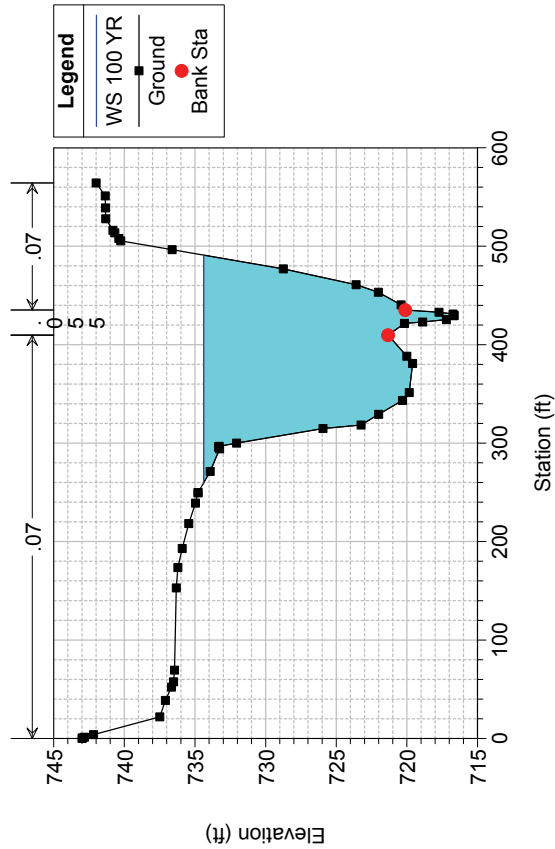
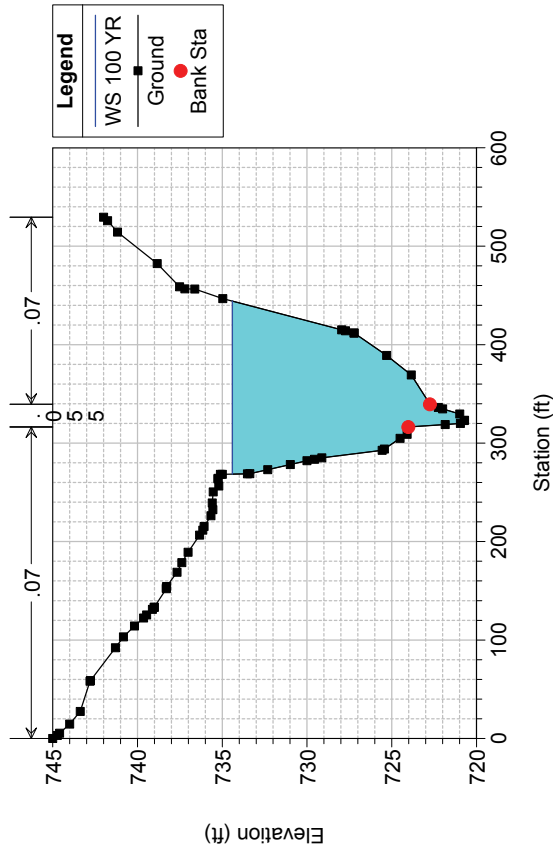
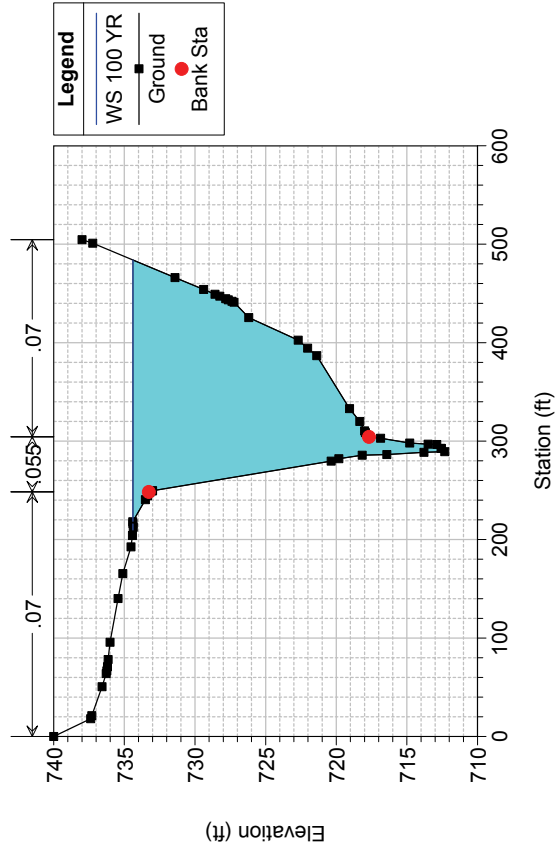
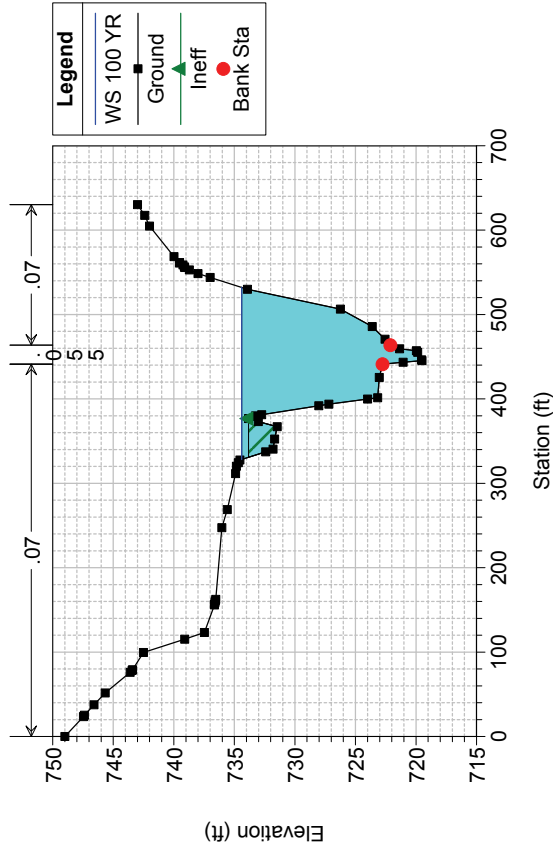


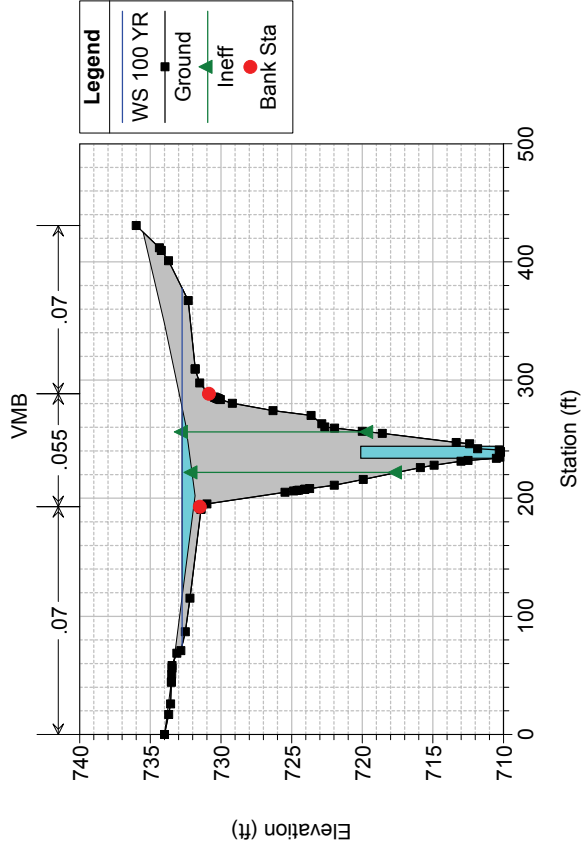
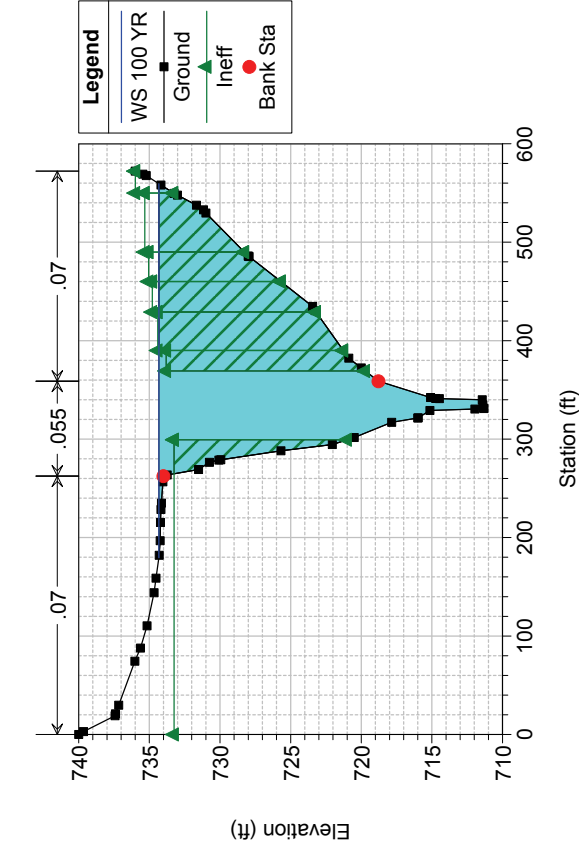
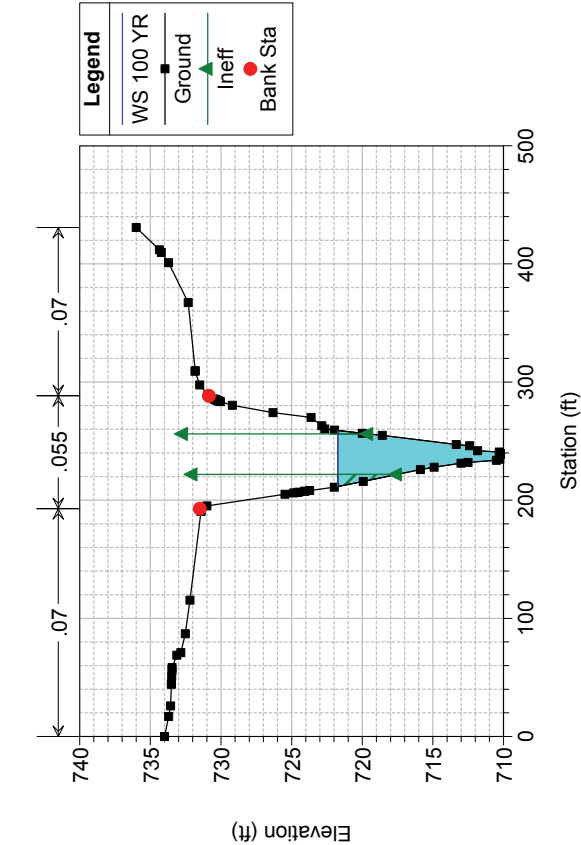
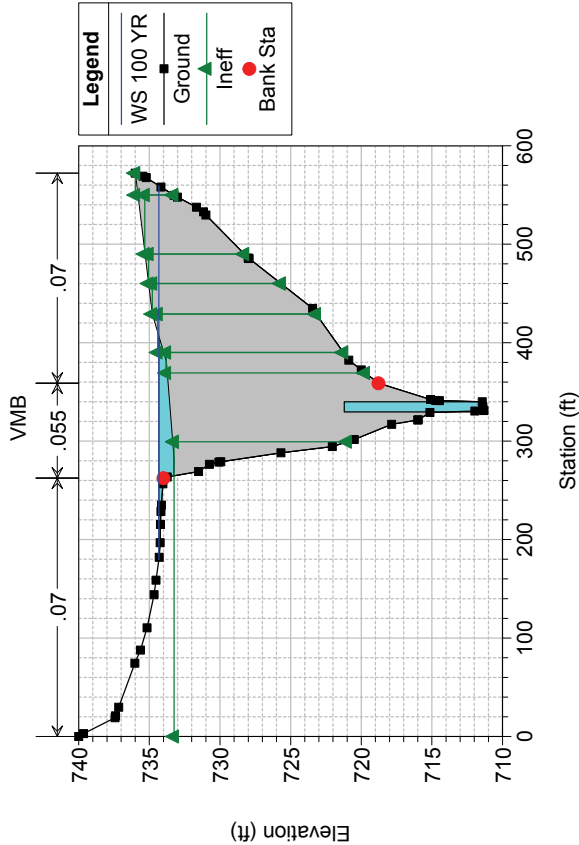


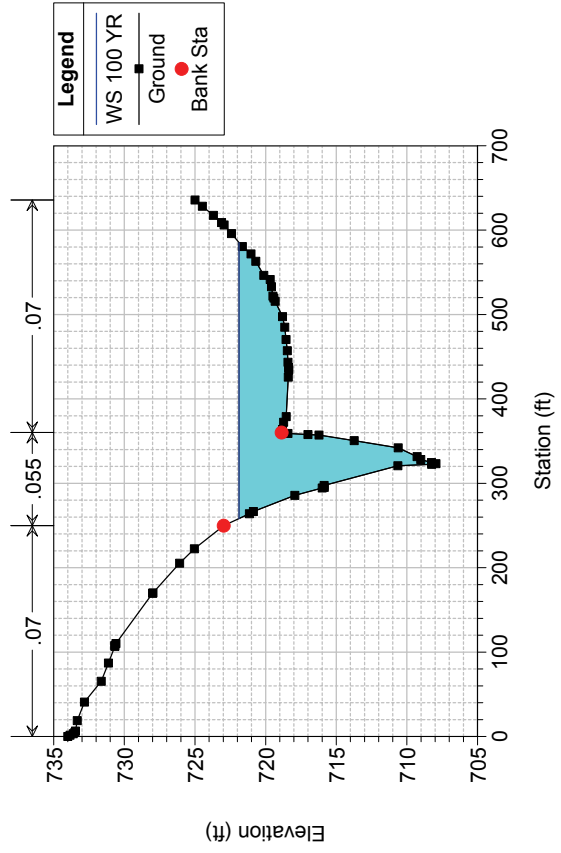
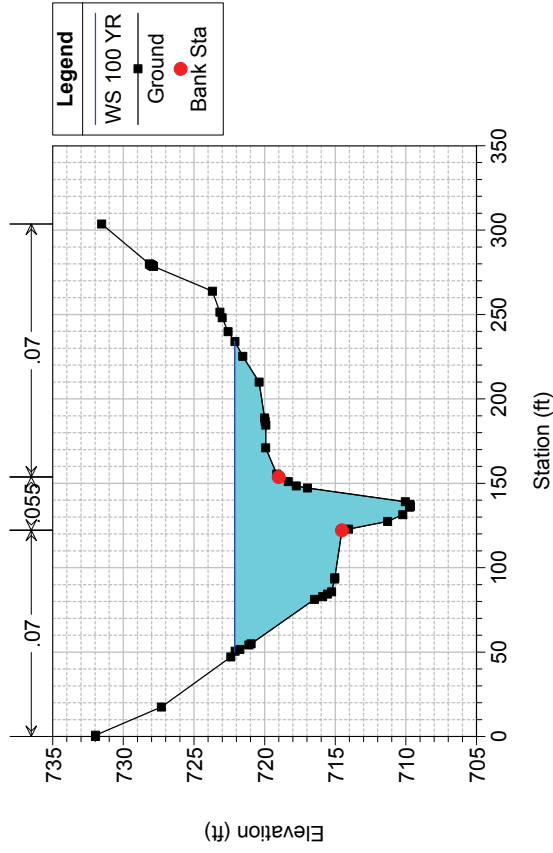
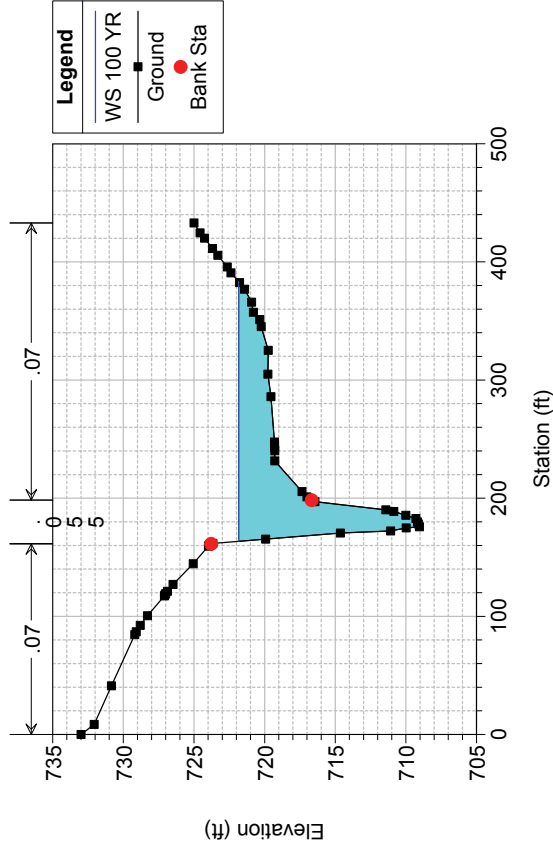


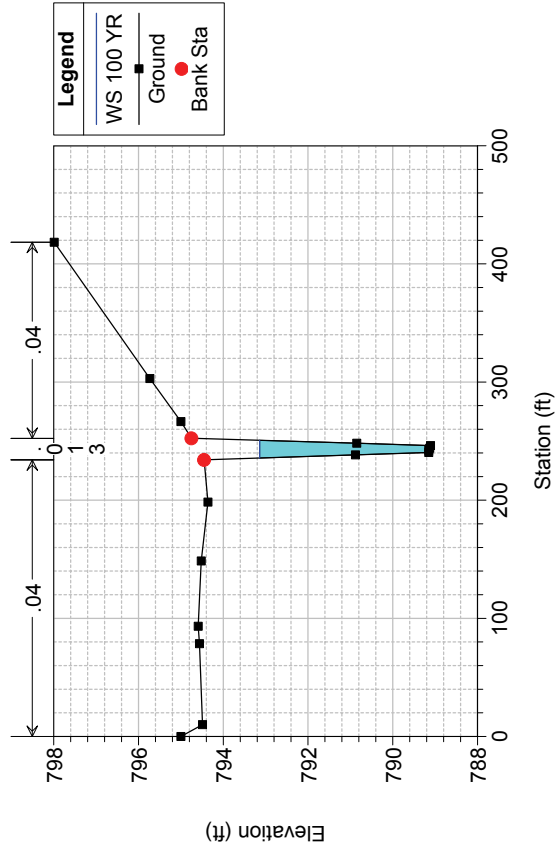
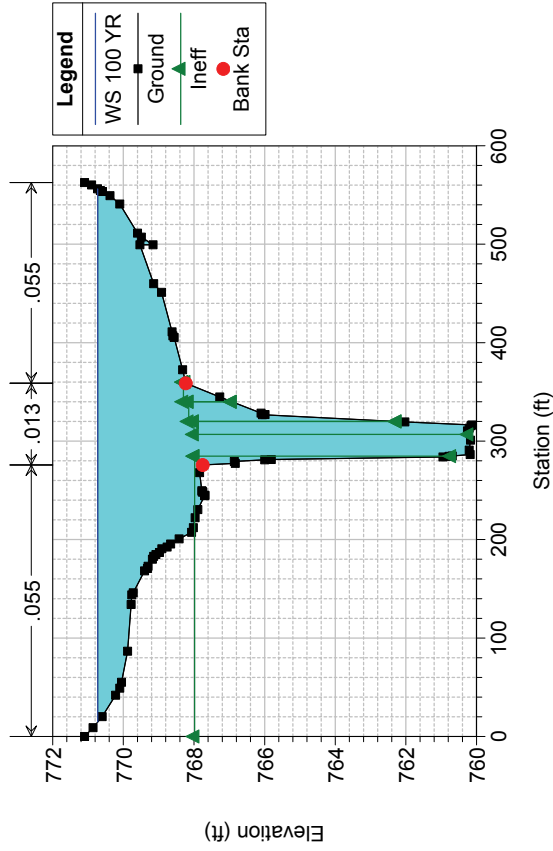
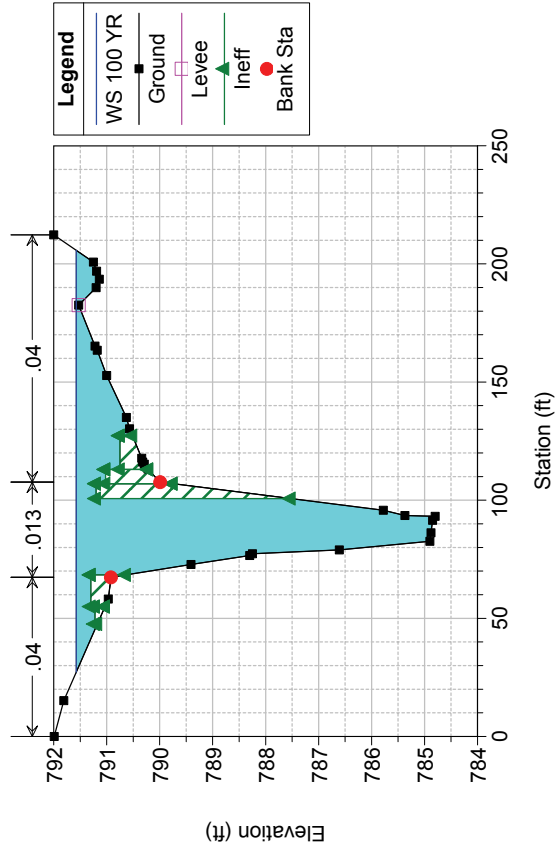
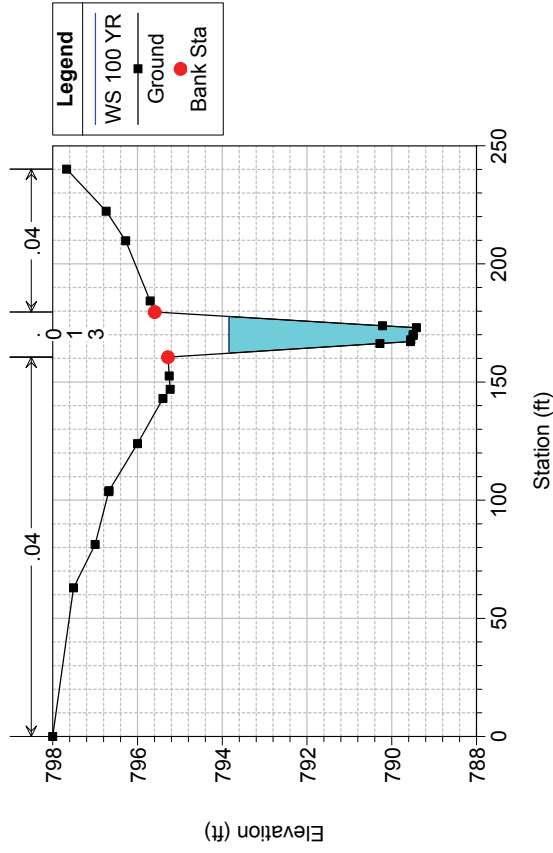


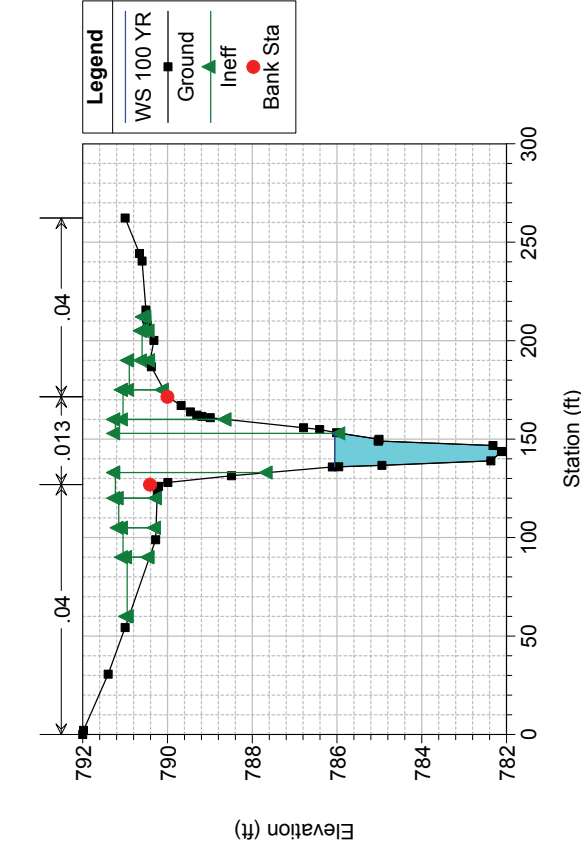
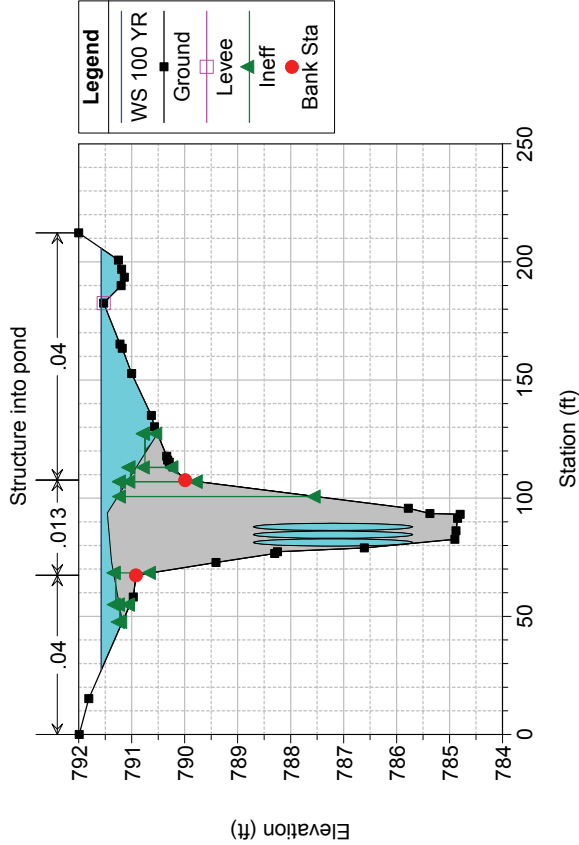
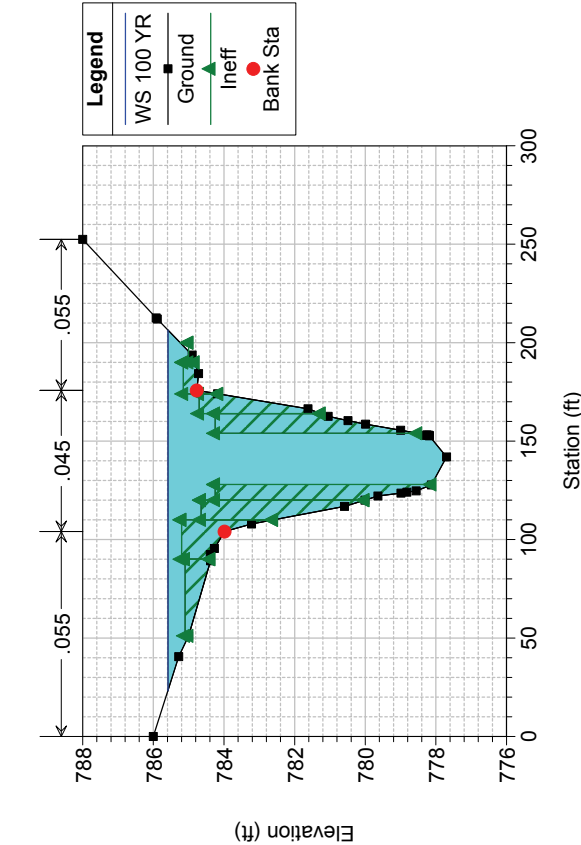
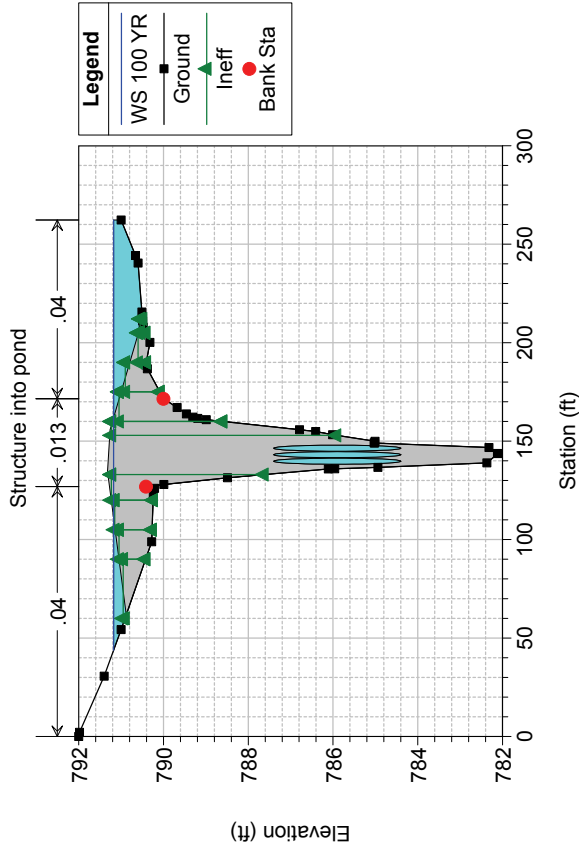


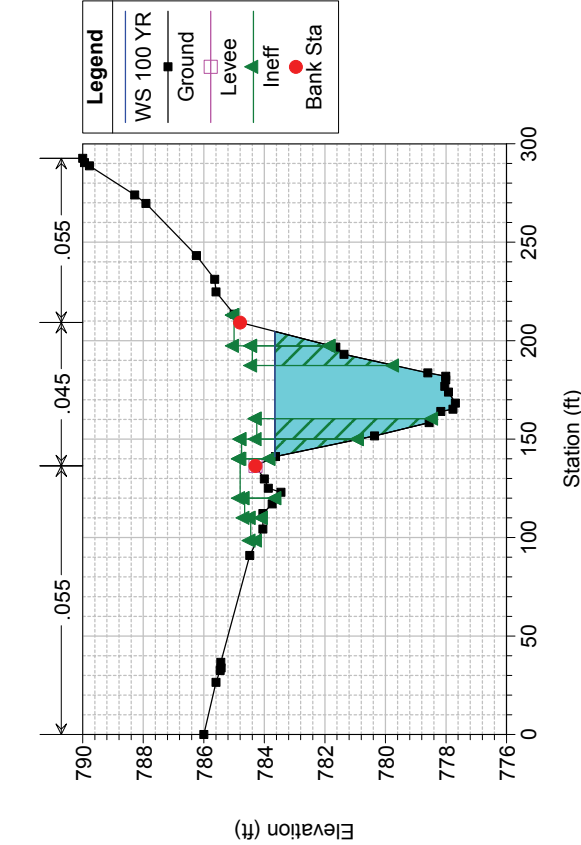
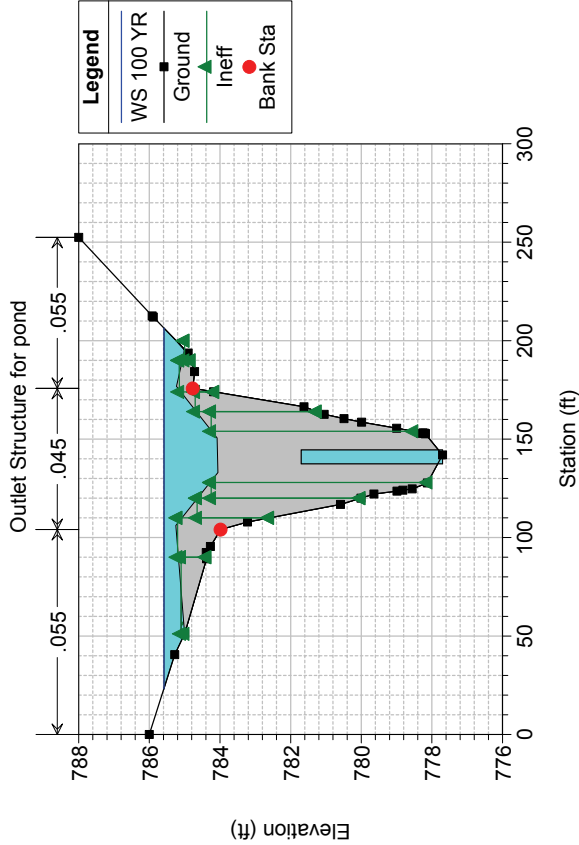
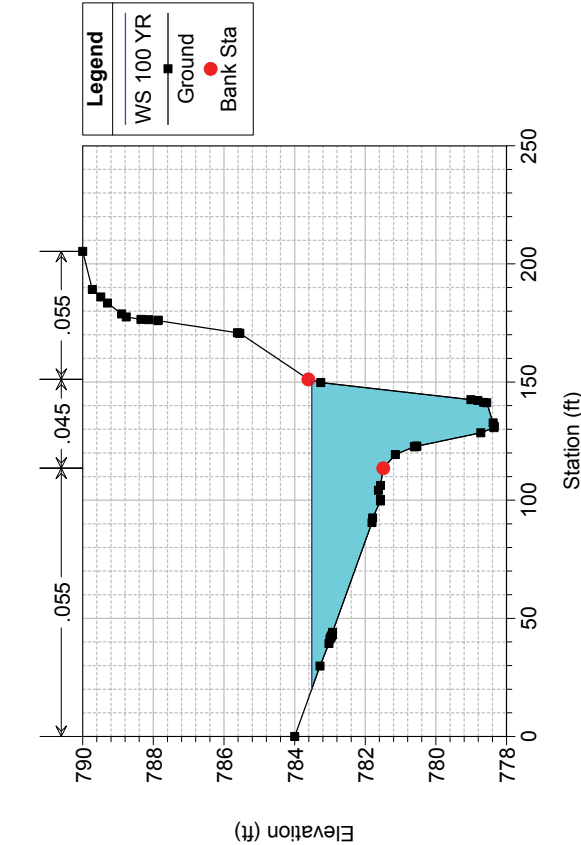
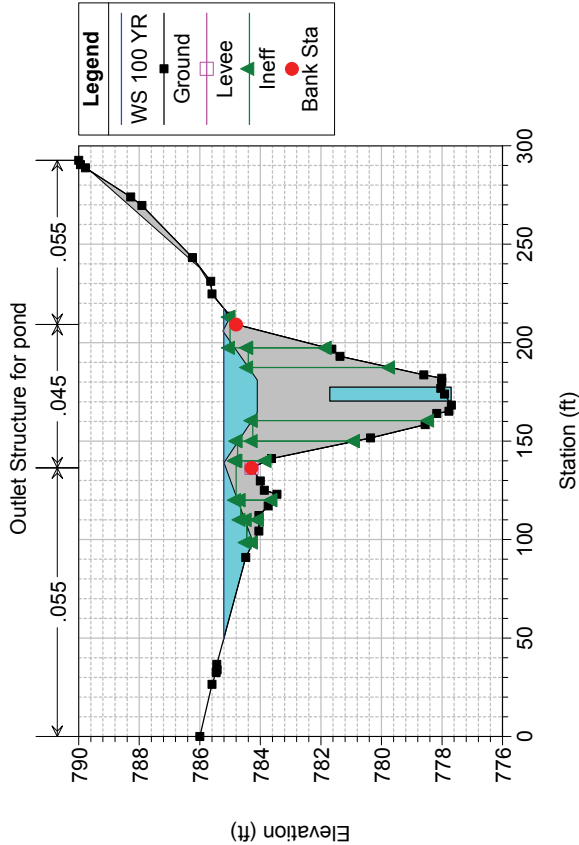






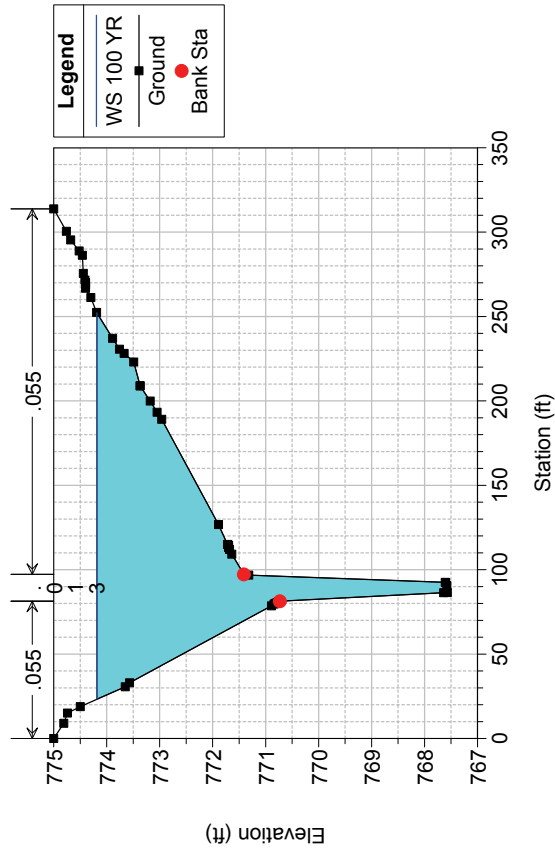
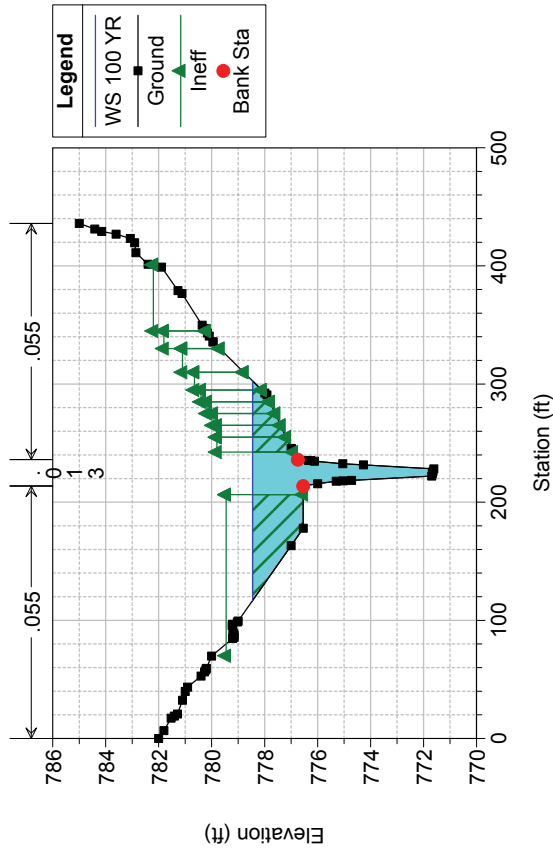
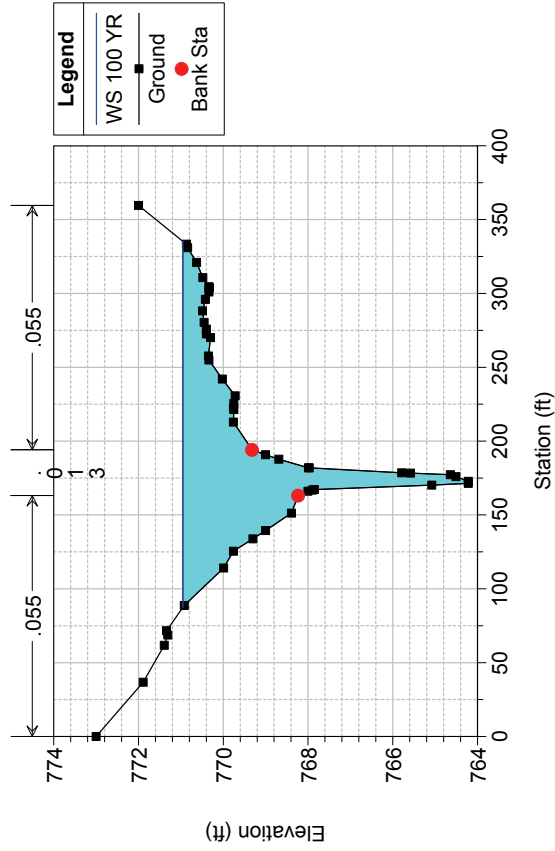
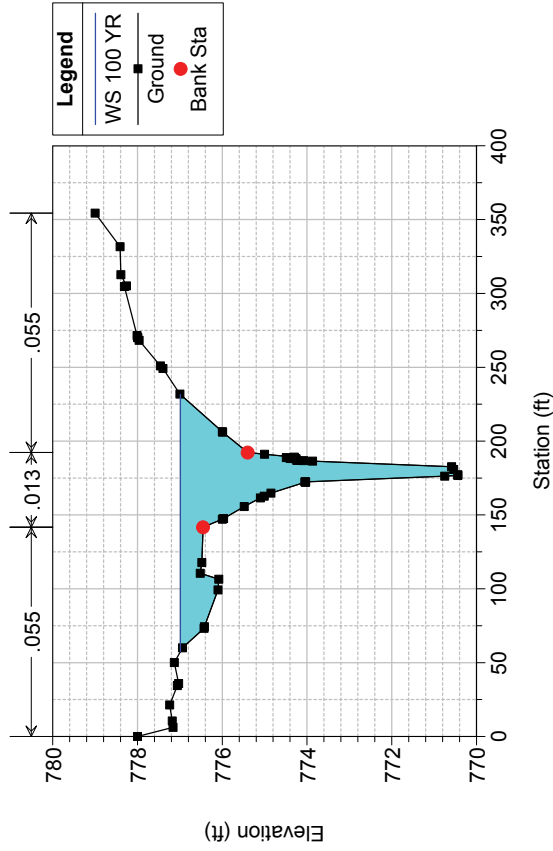


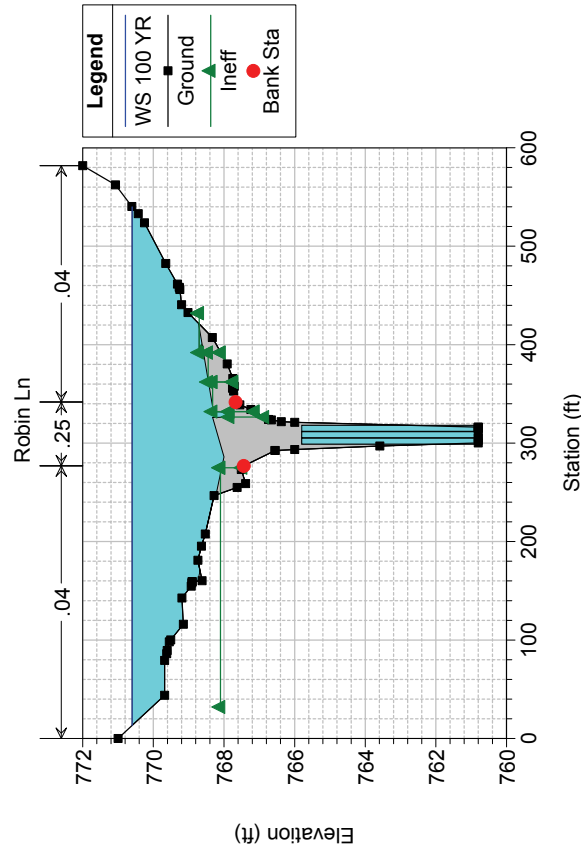
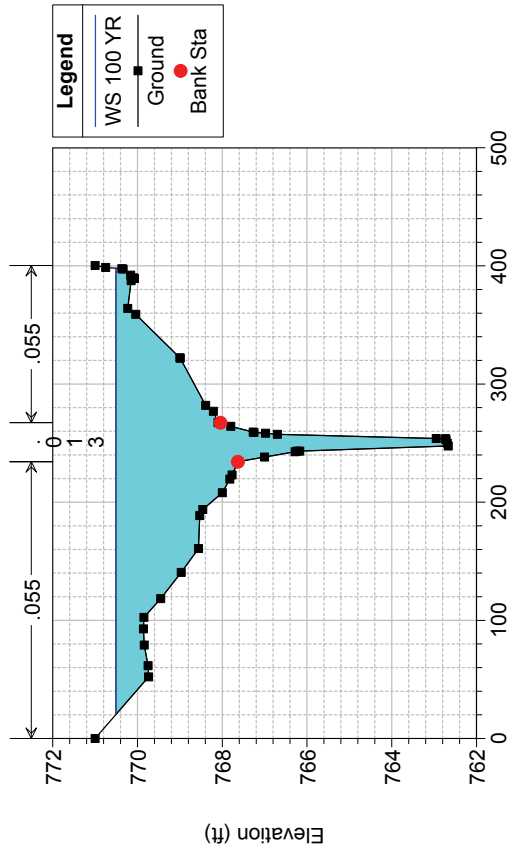
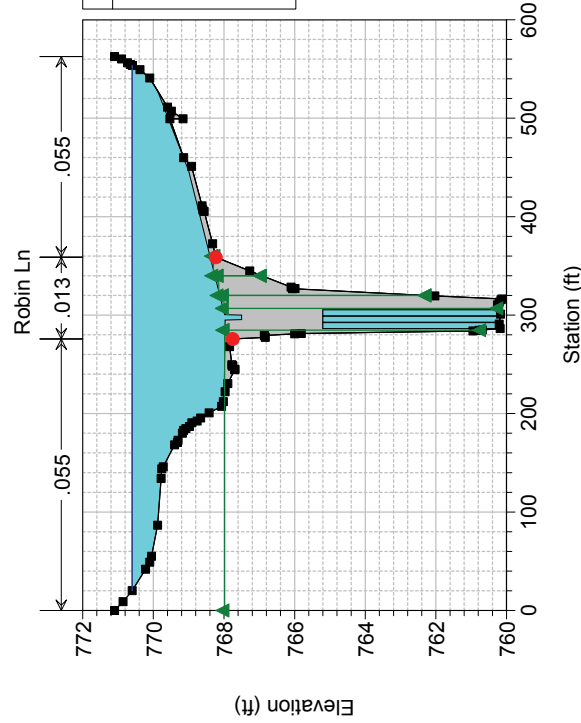
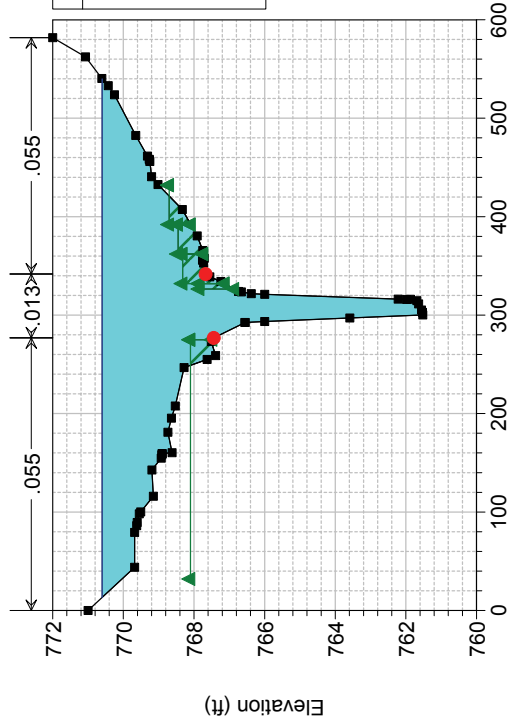


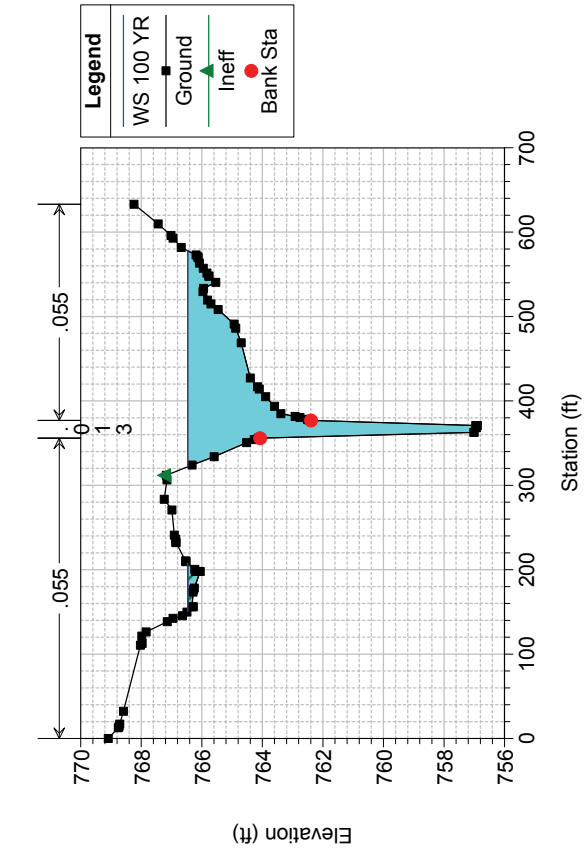
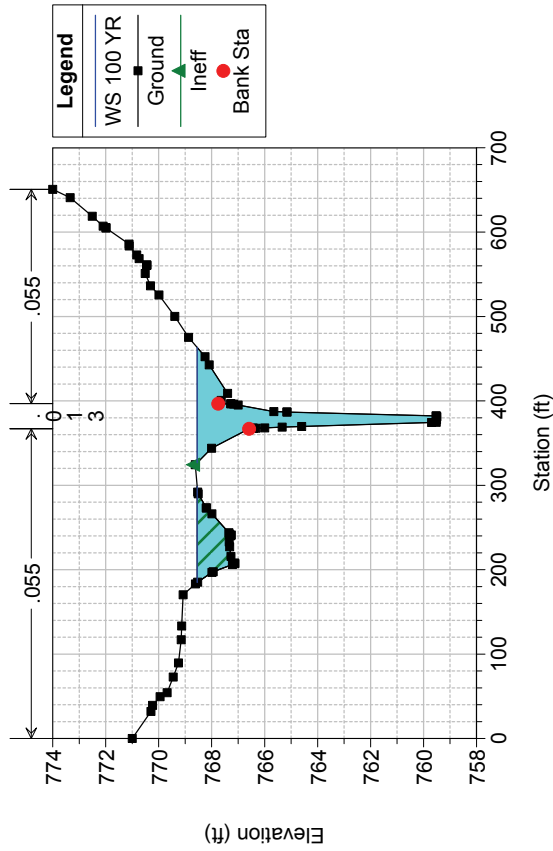
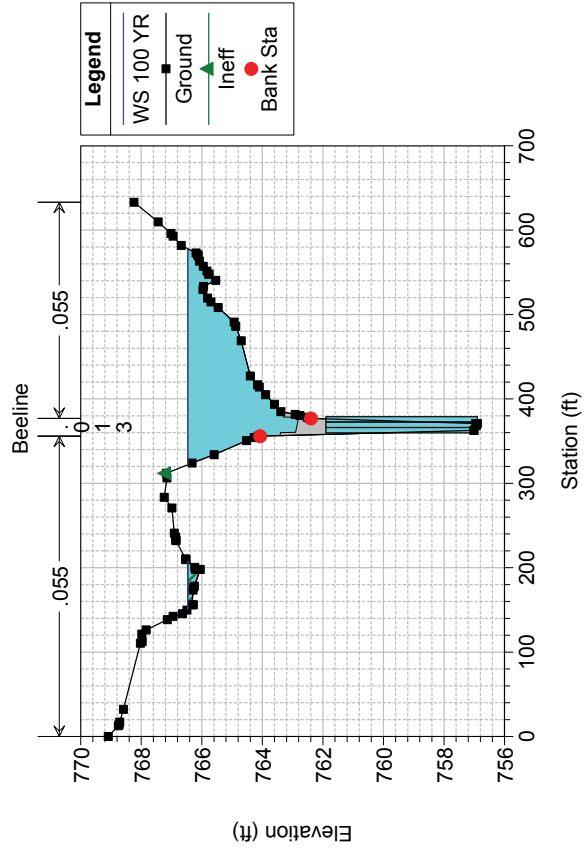
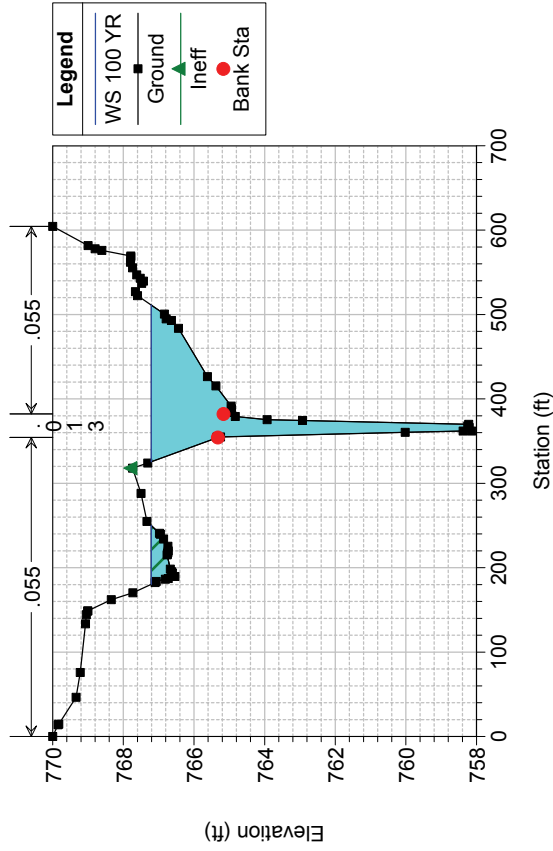


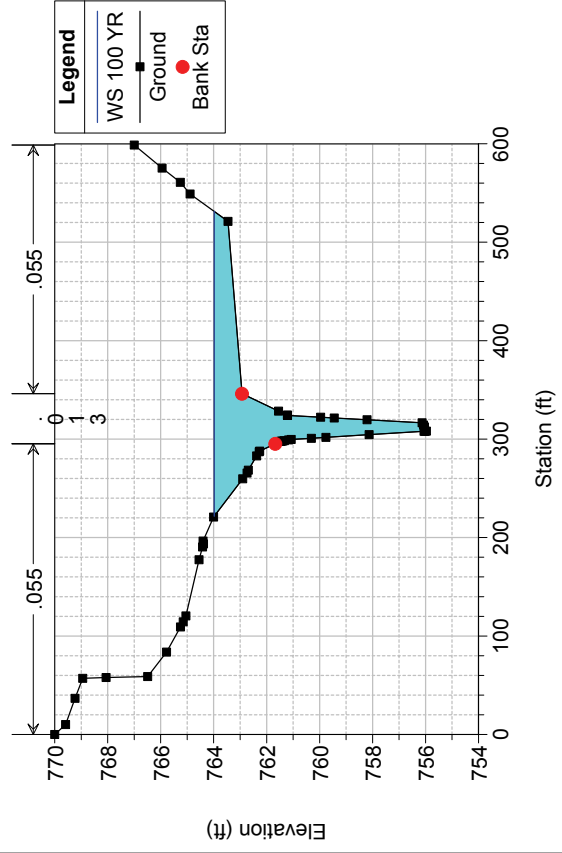
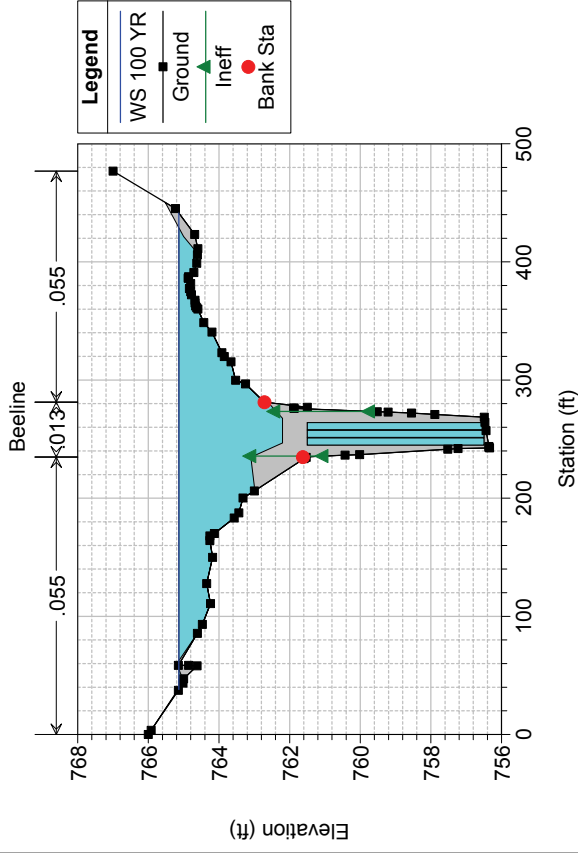
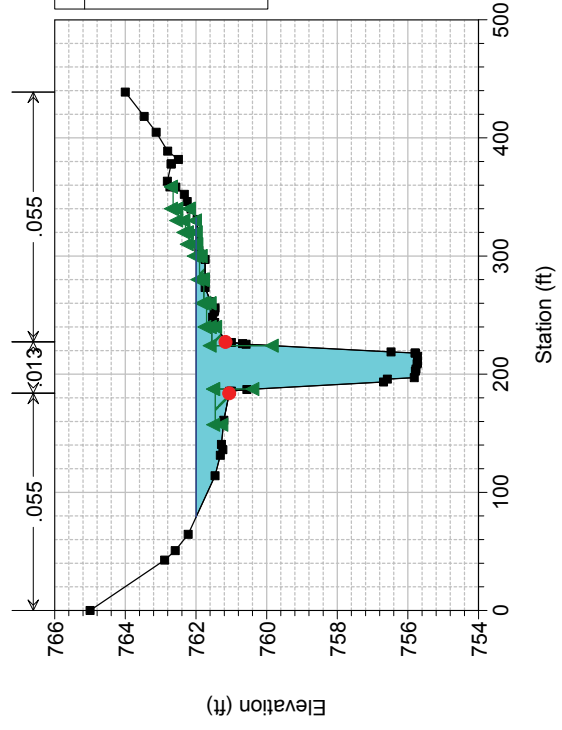
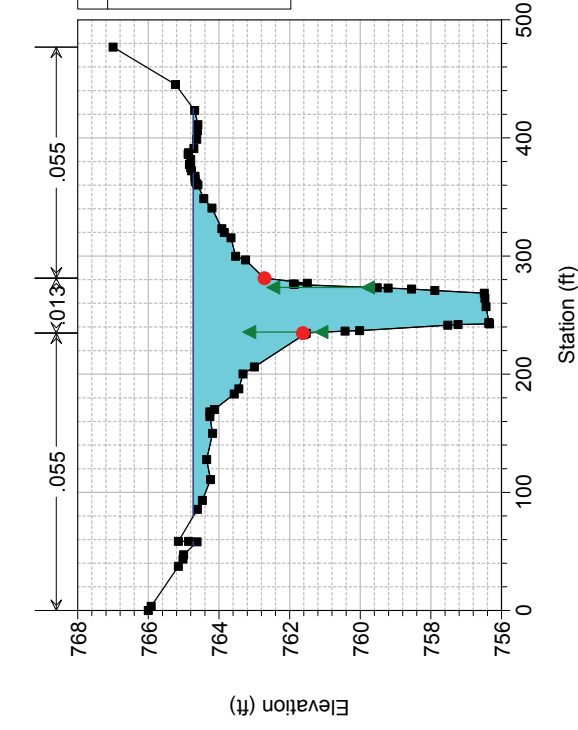


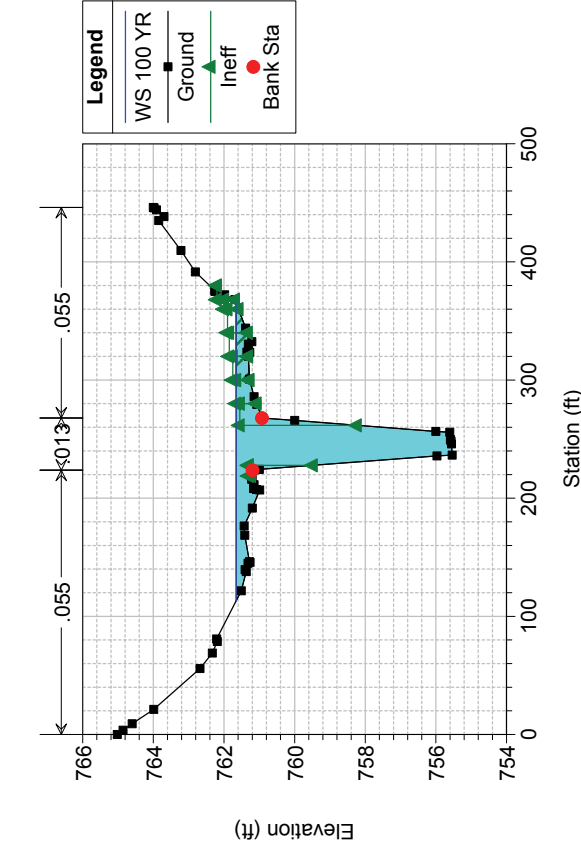
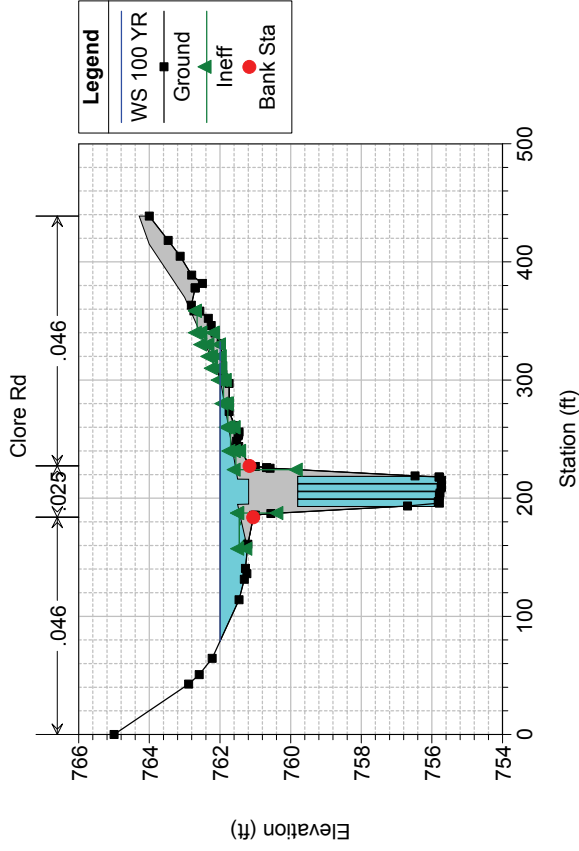
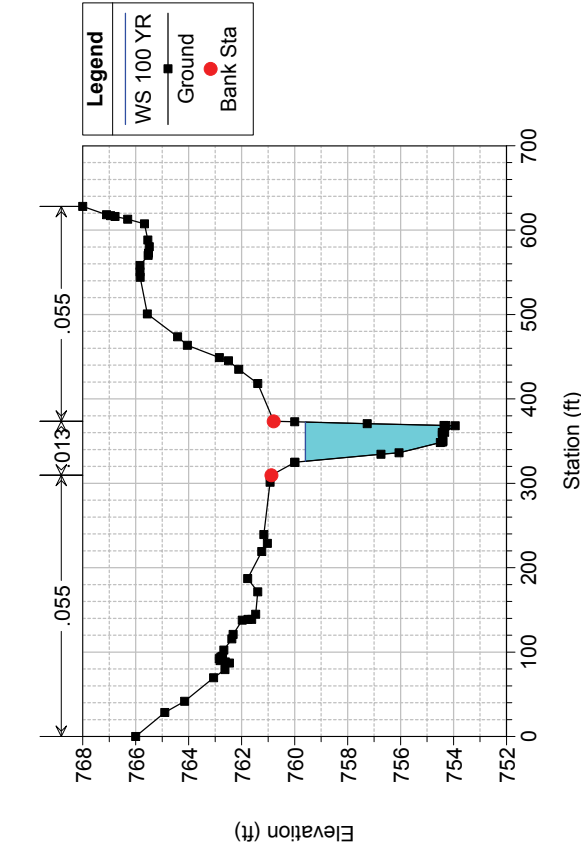
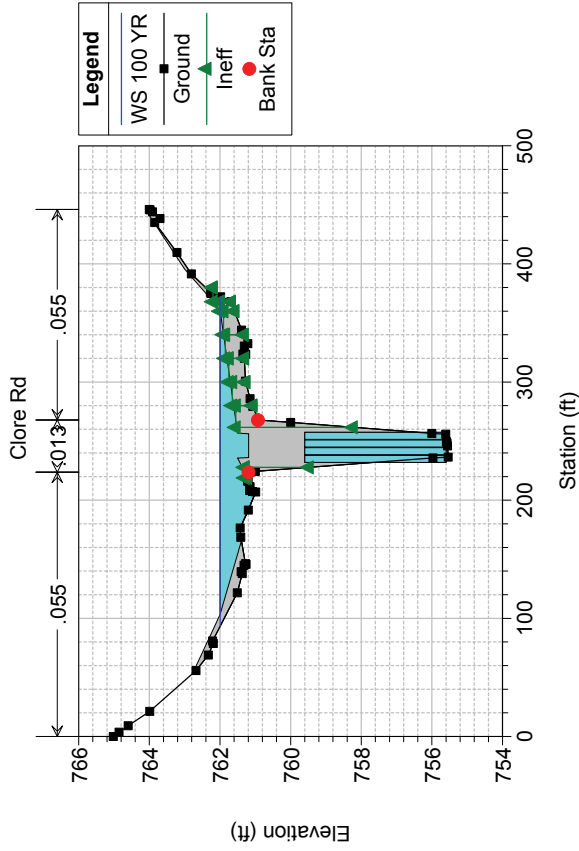




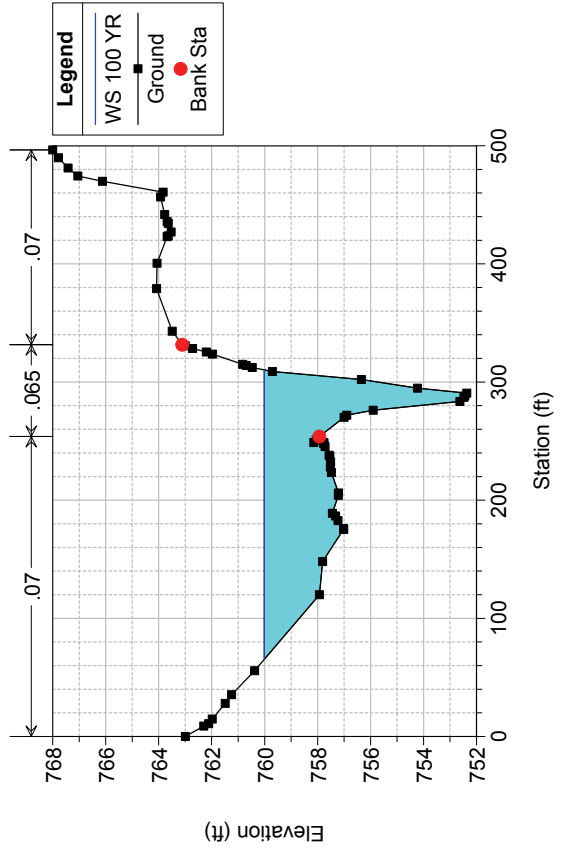




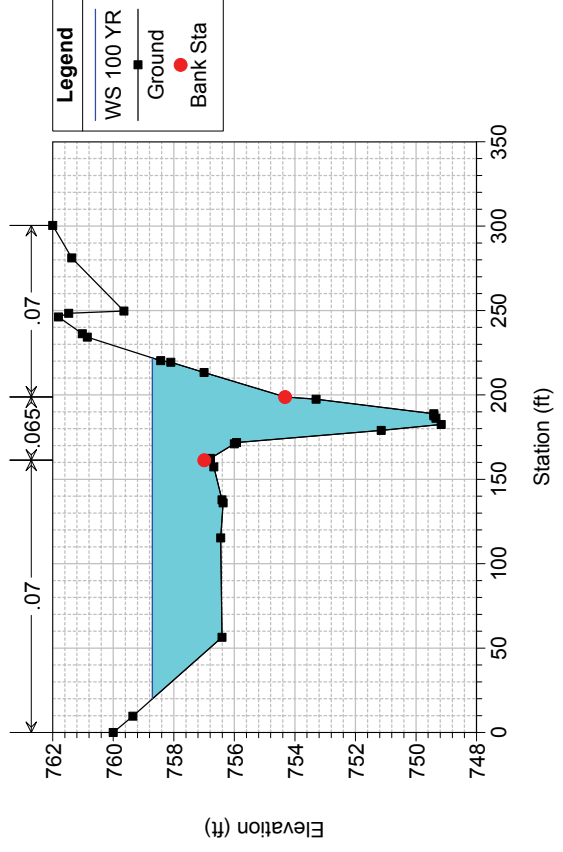




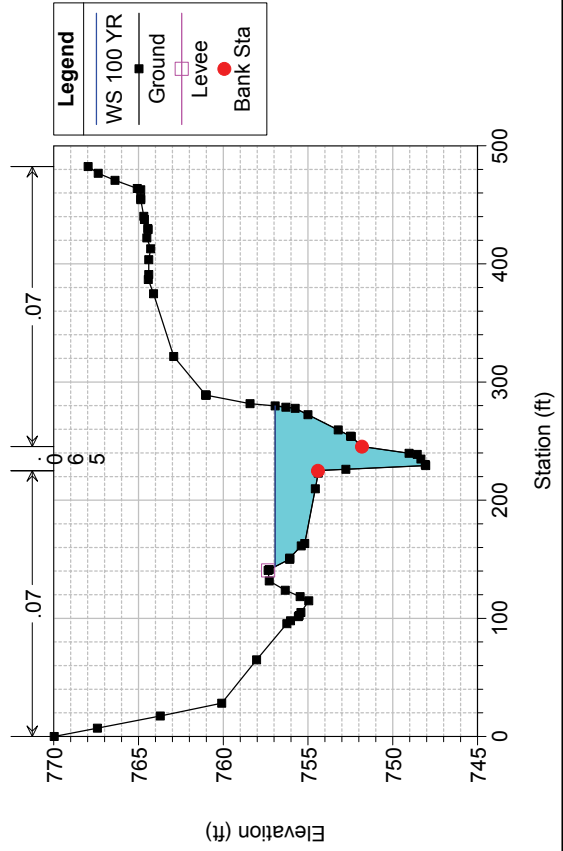
Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014



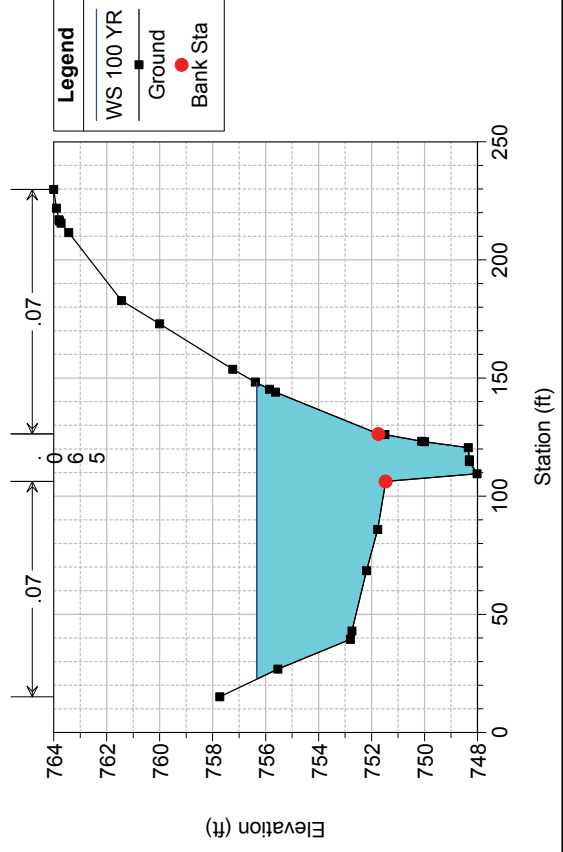
Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014

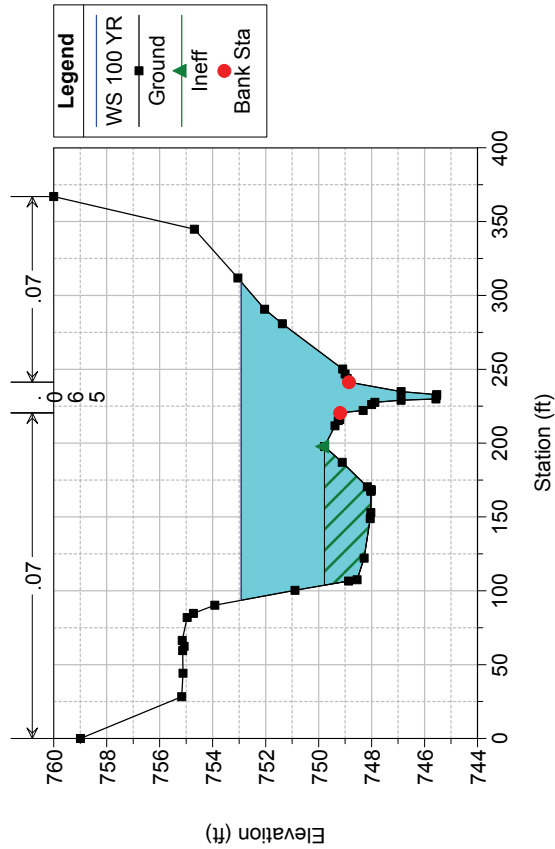
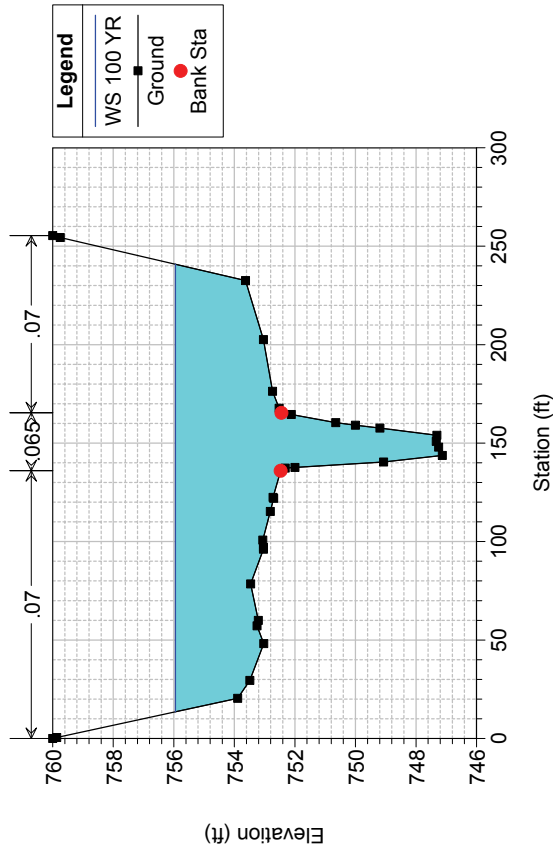
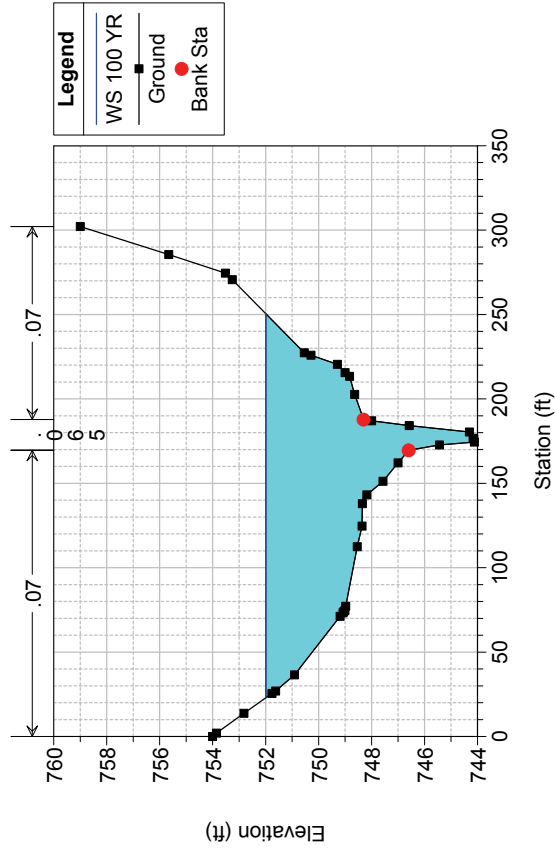
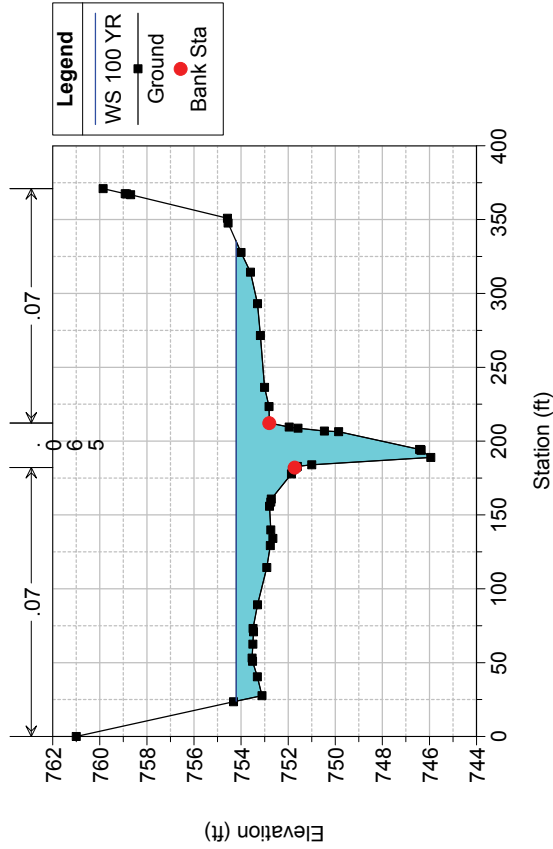


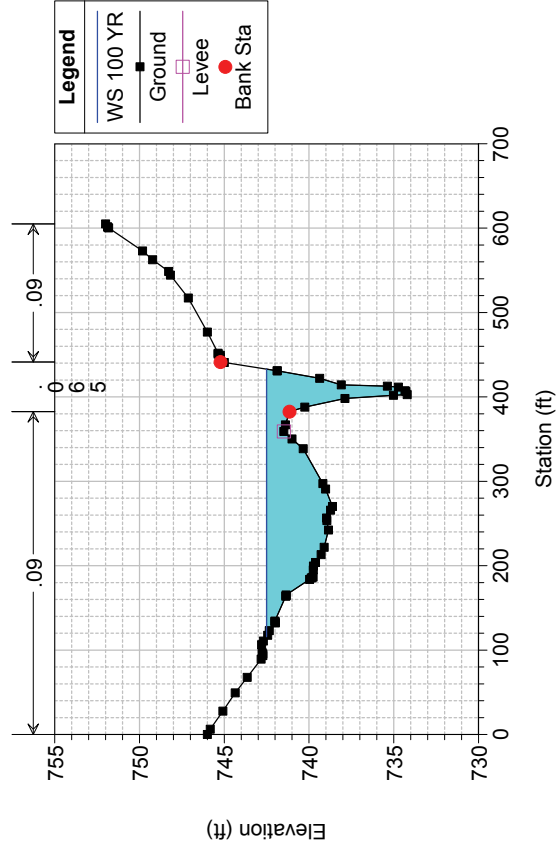
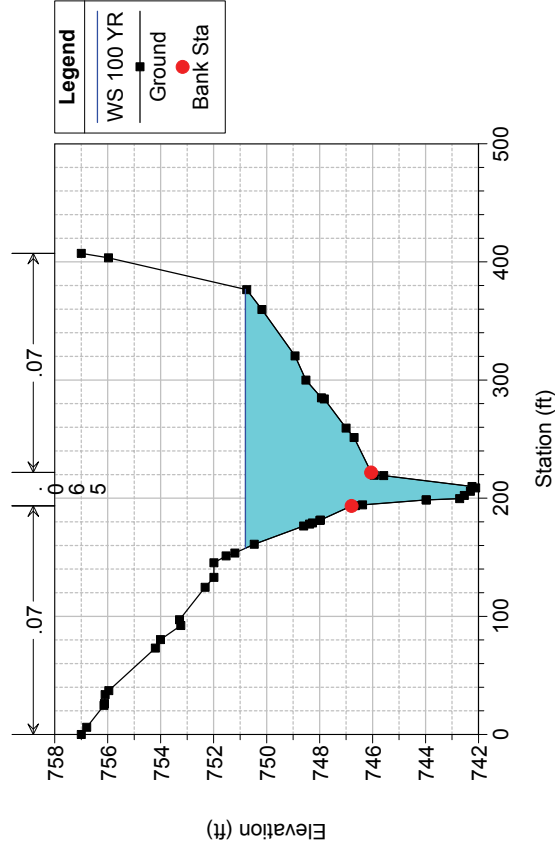
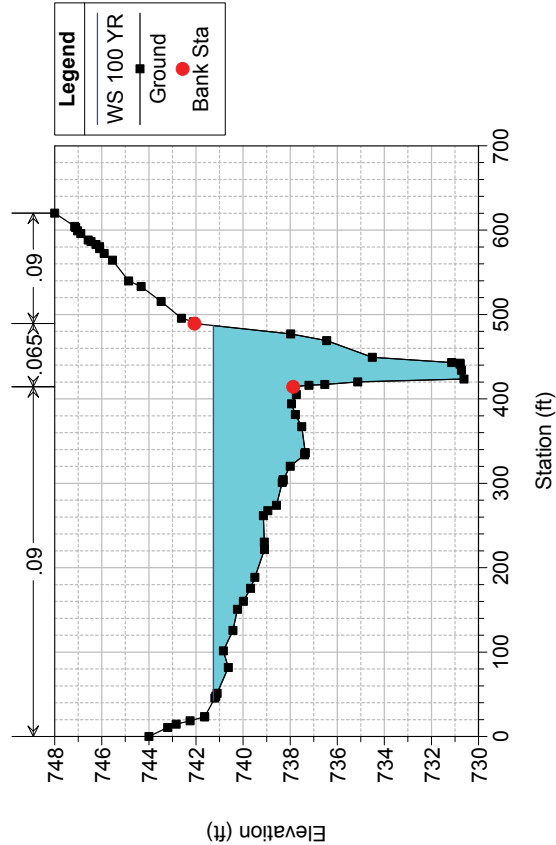
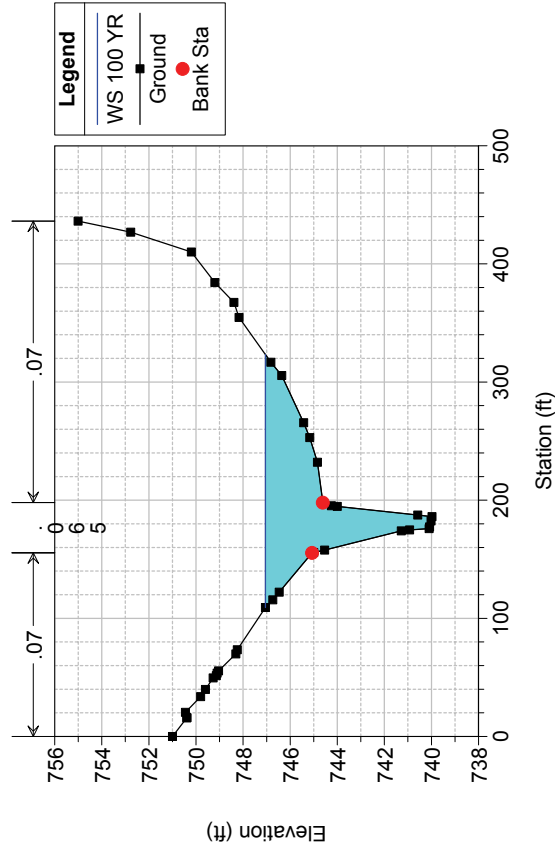
Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014



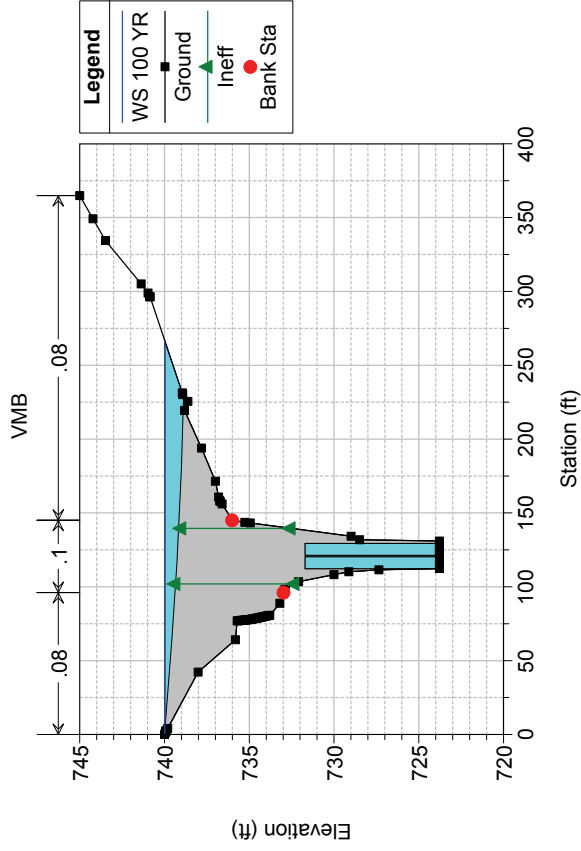
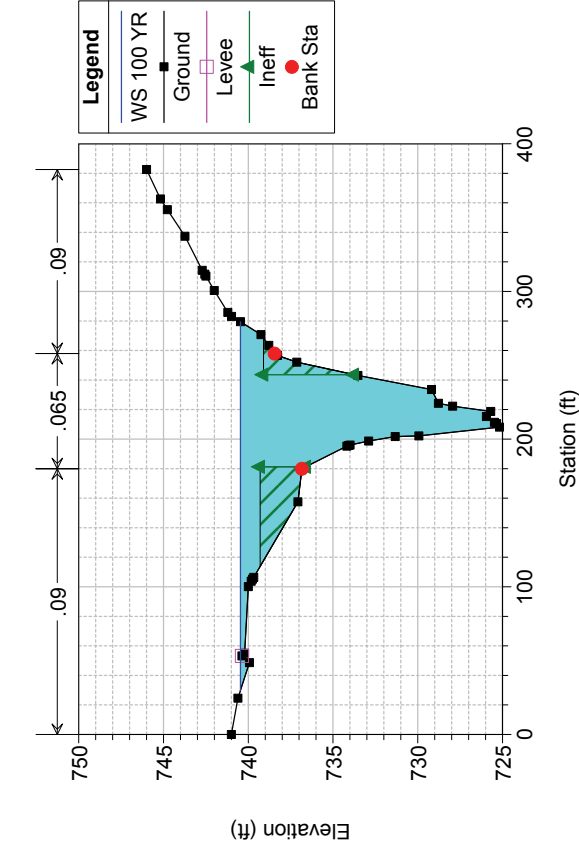
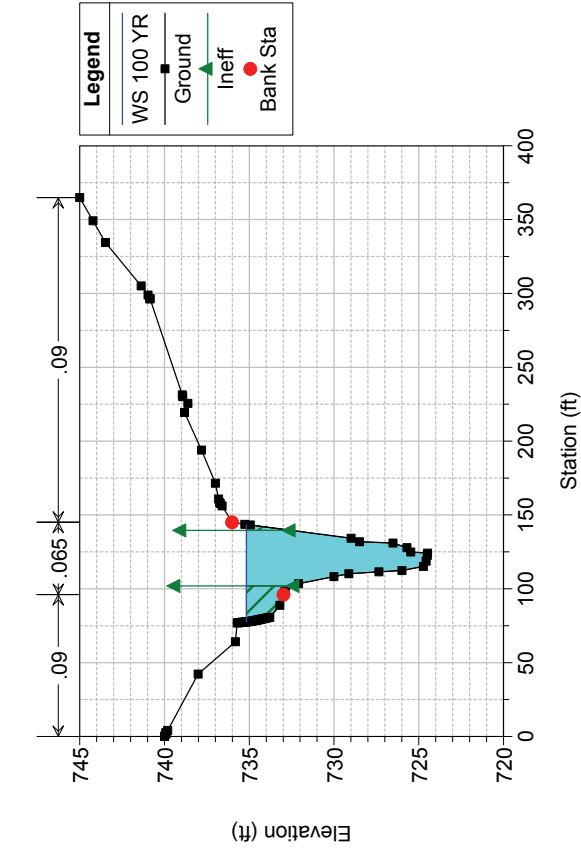
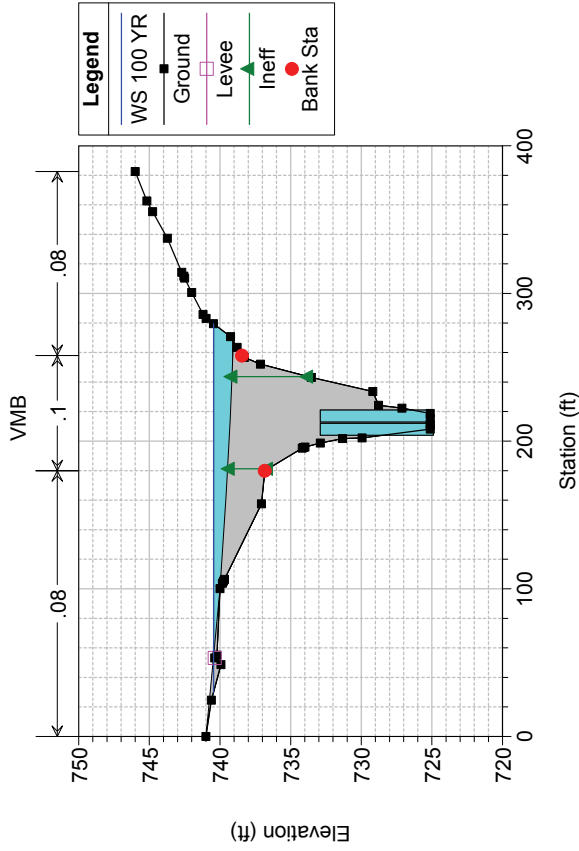
Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014

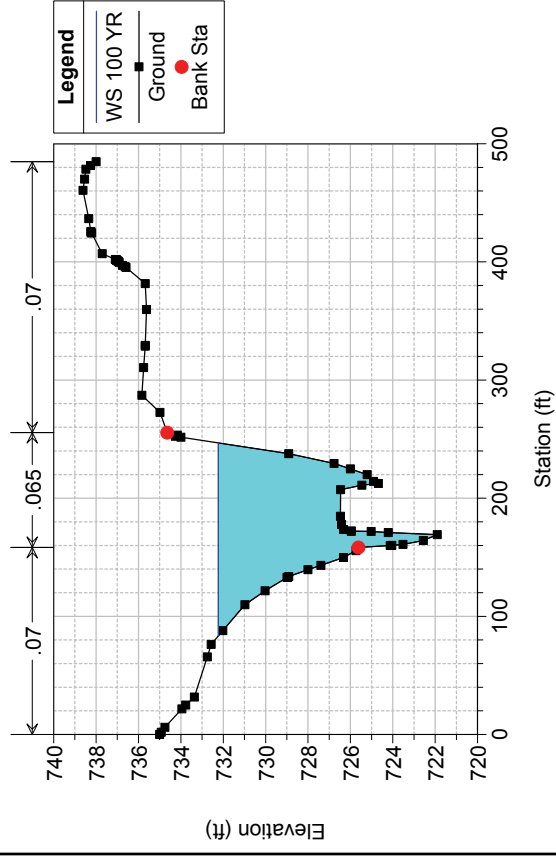
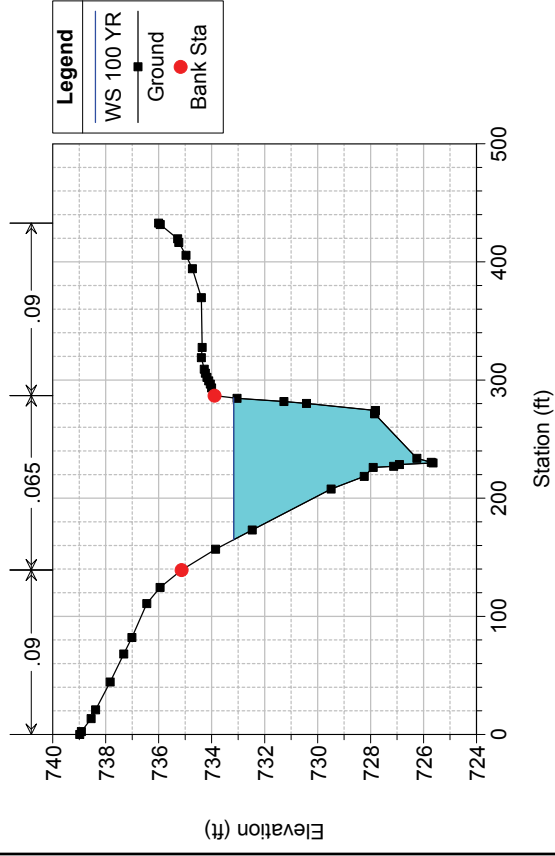
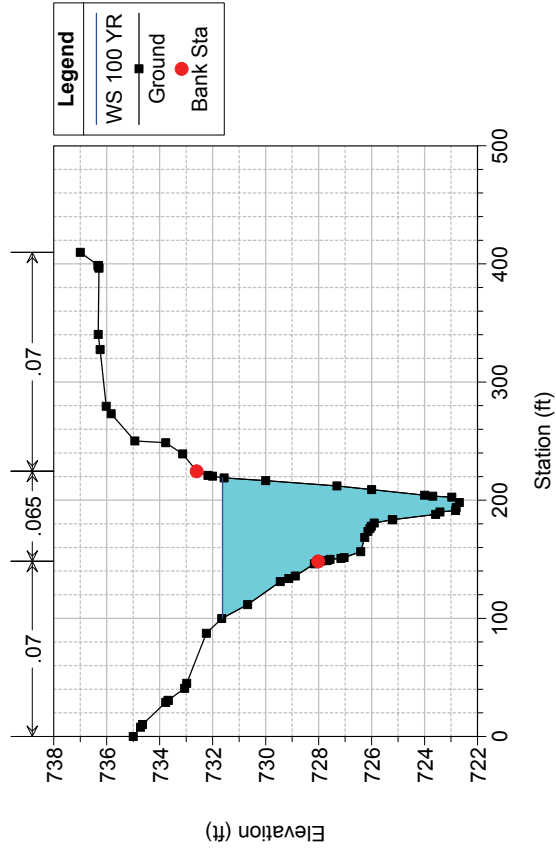
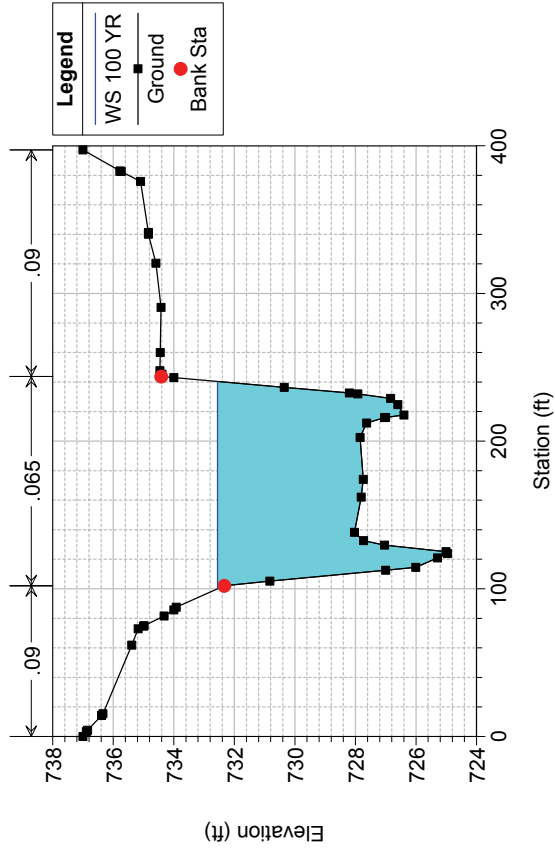


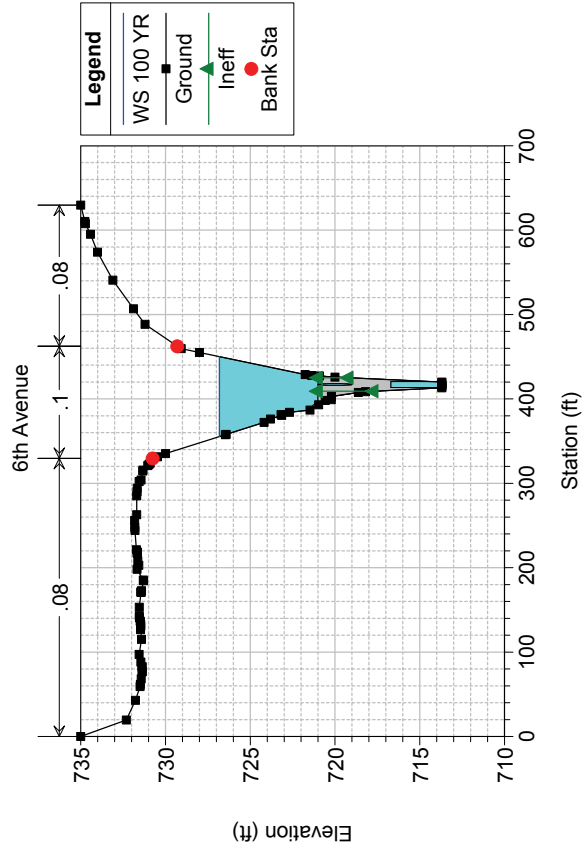
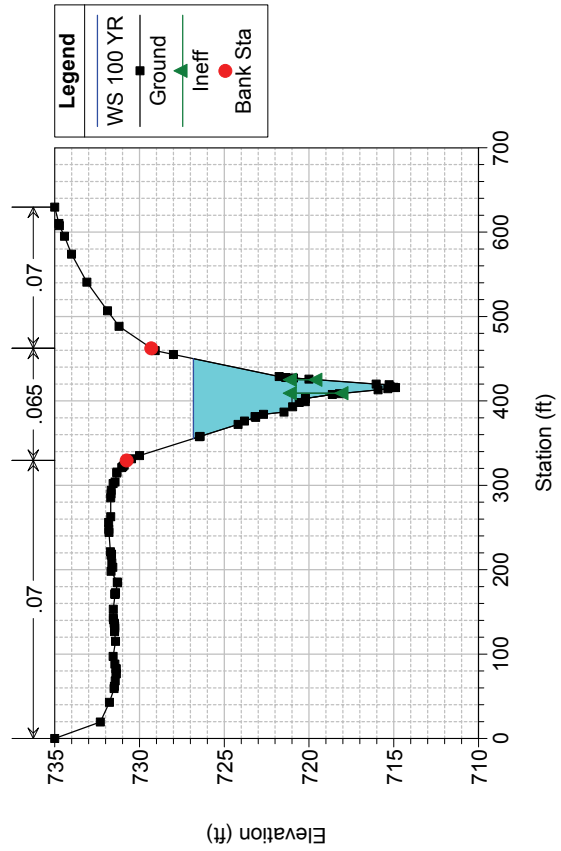
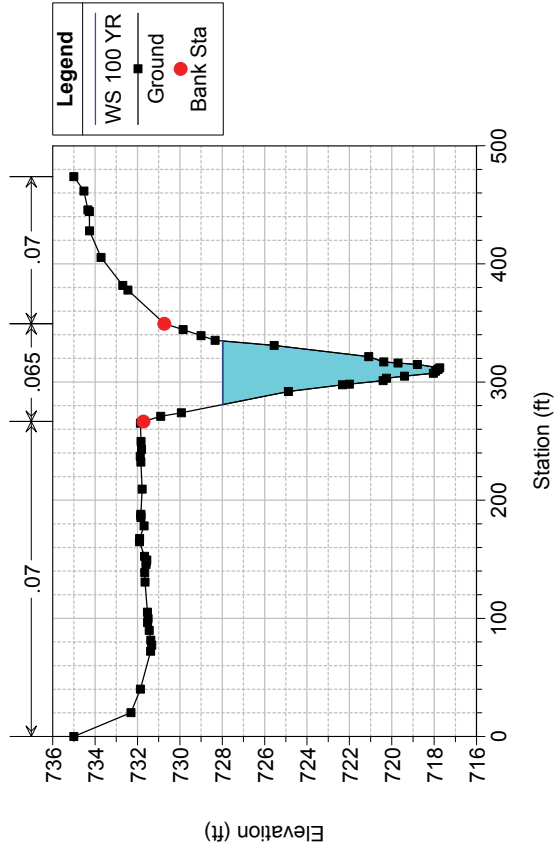
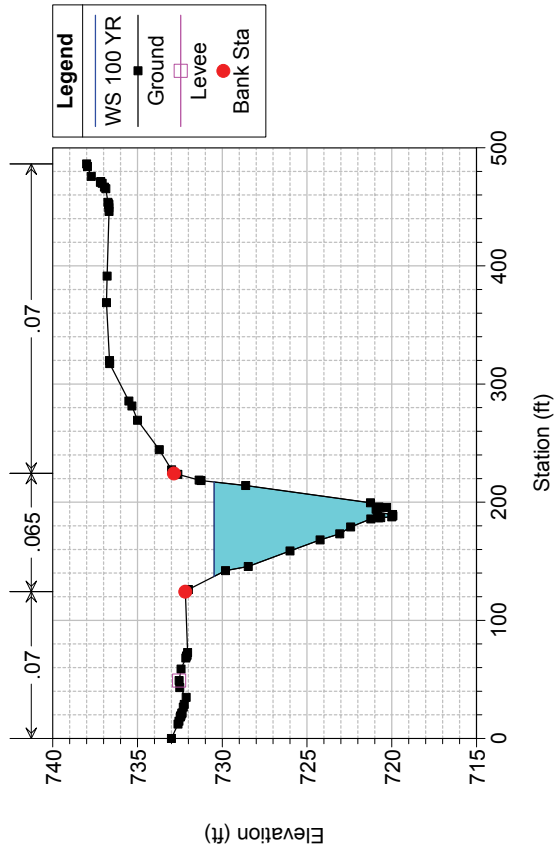


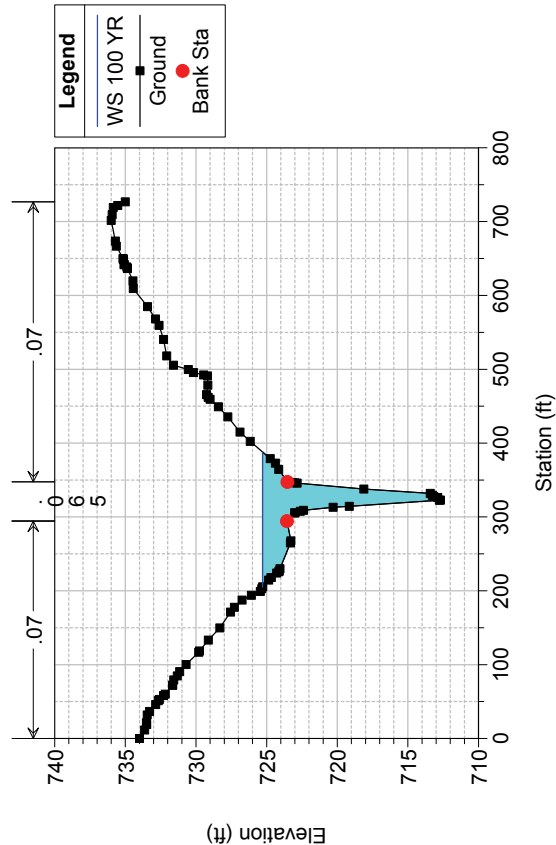
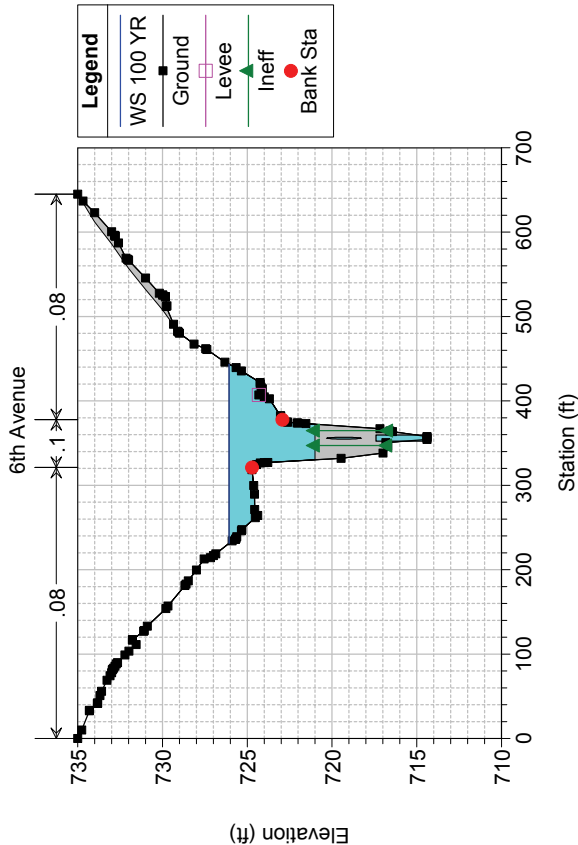
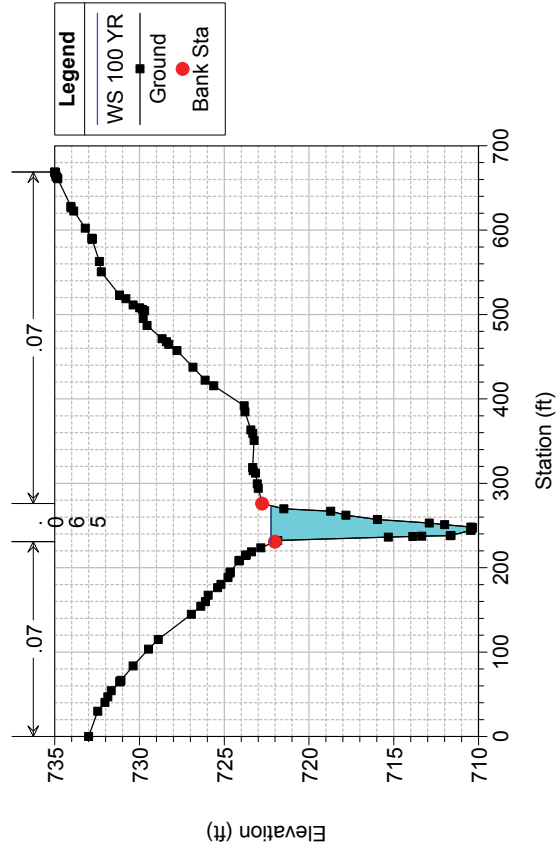
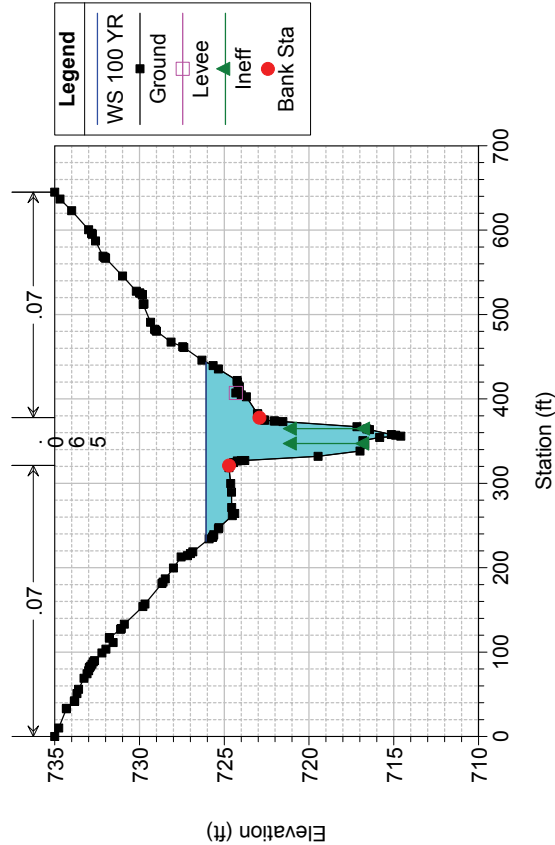


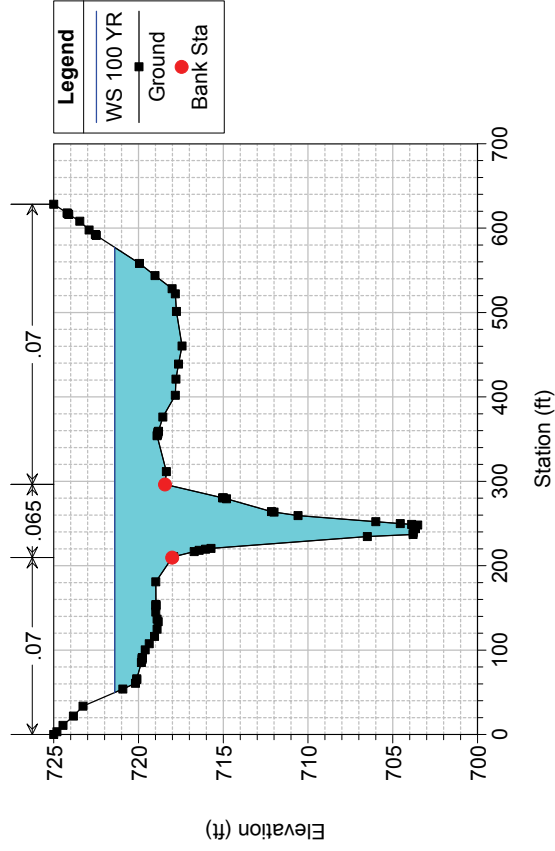
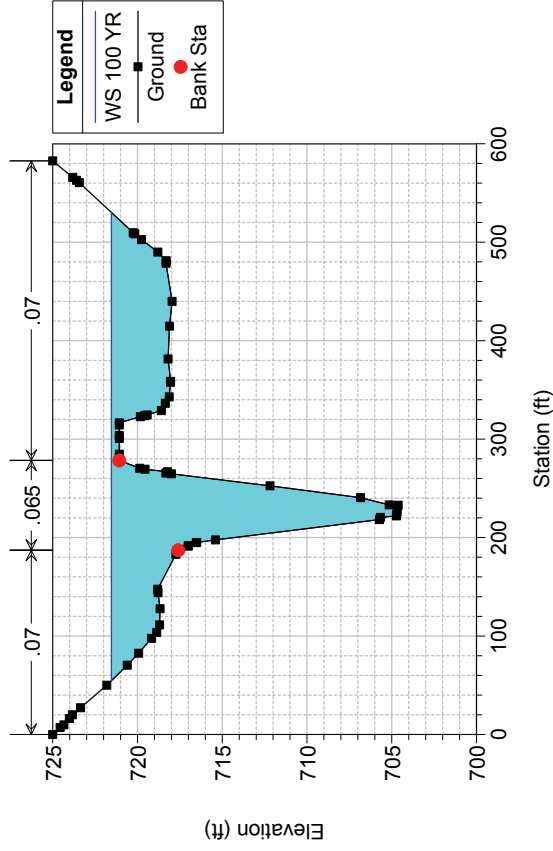
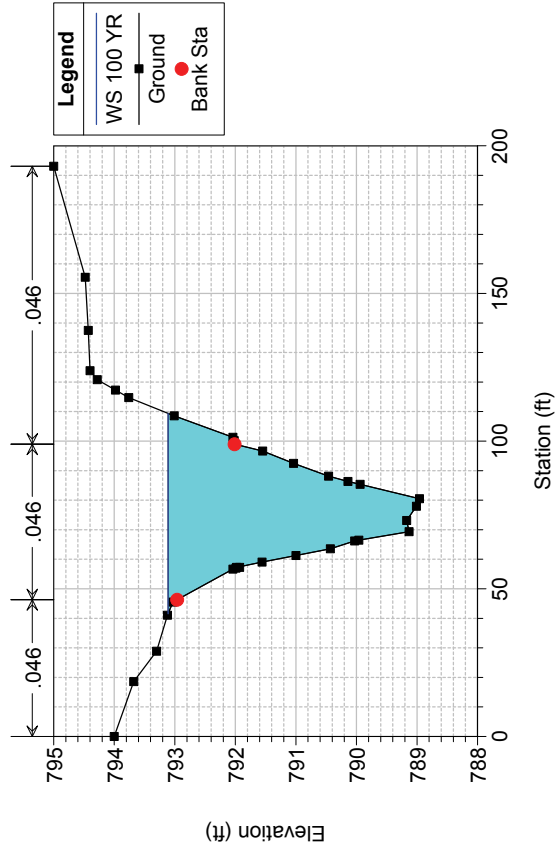
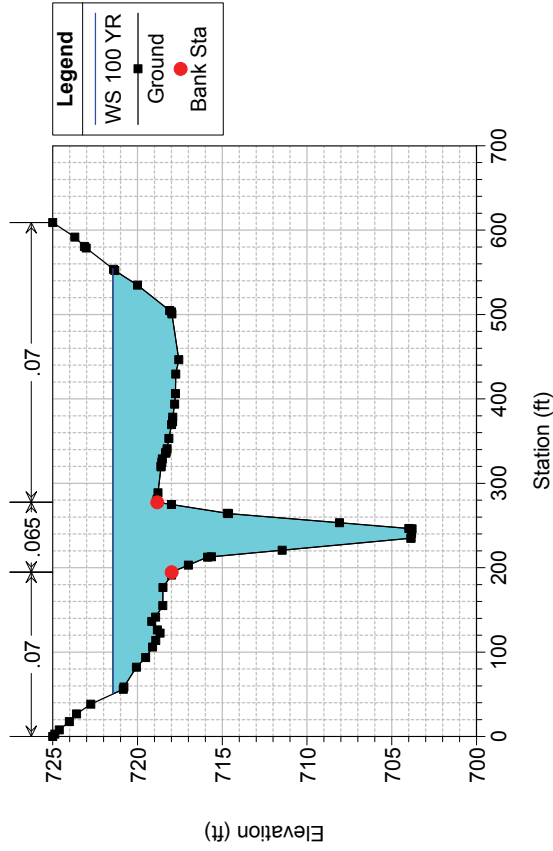


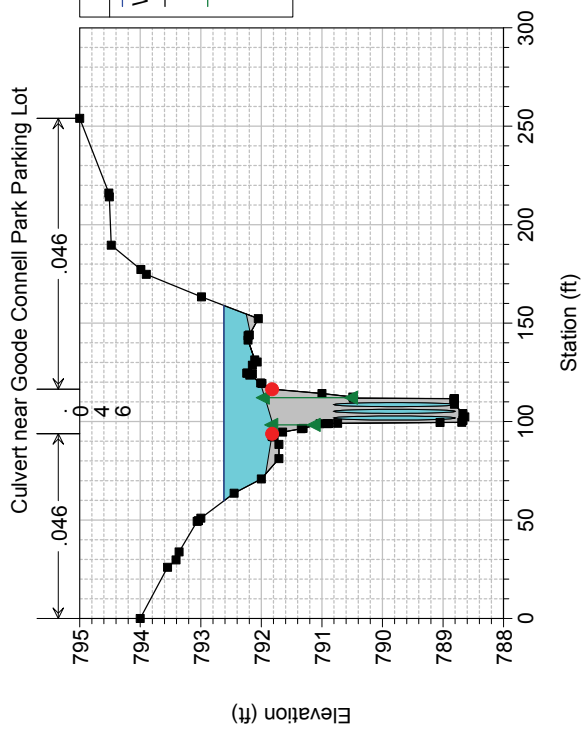
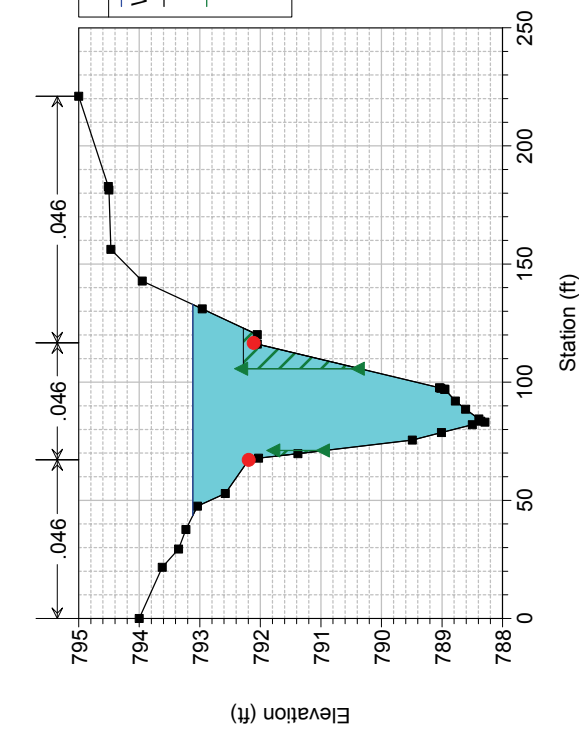
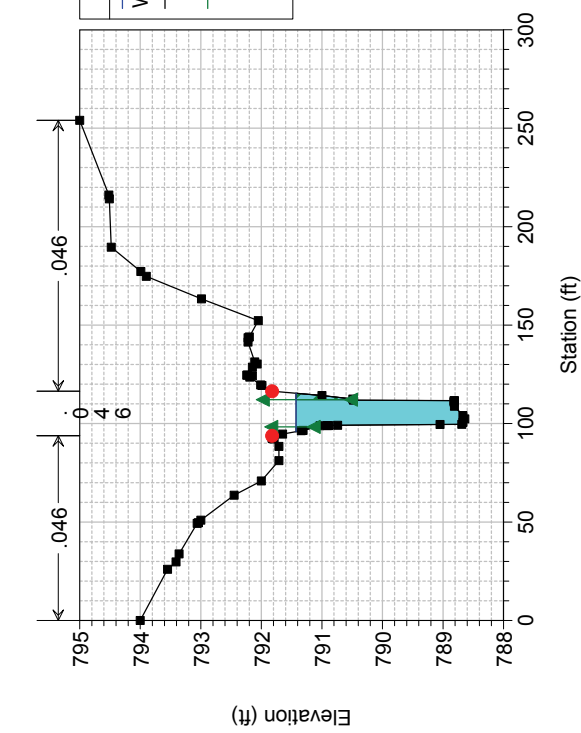
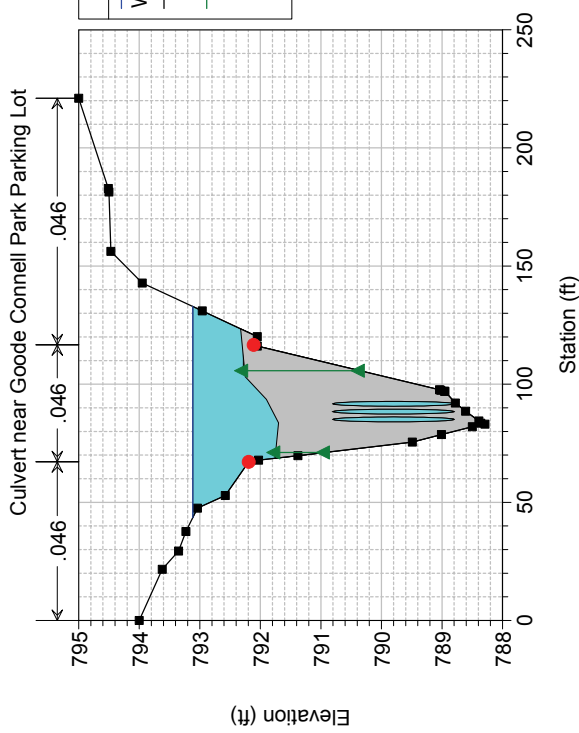


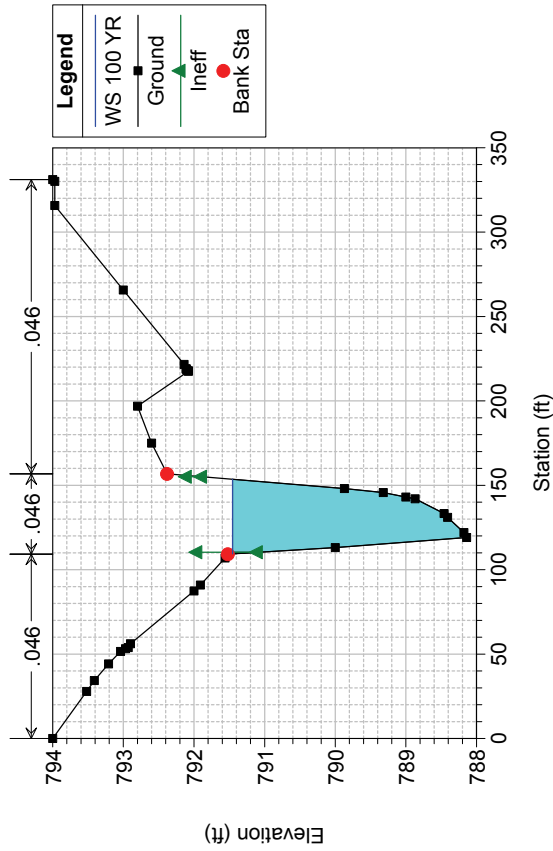
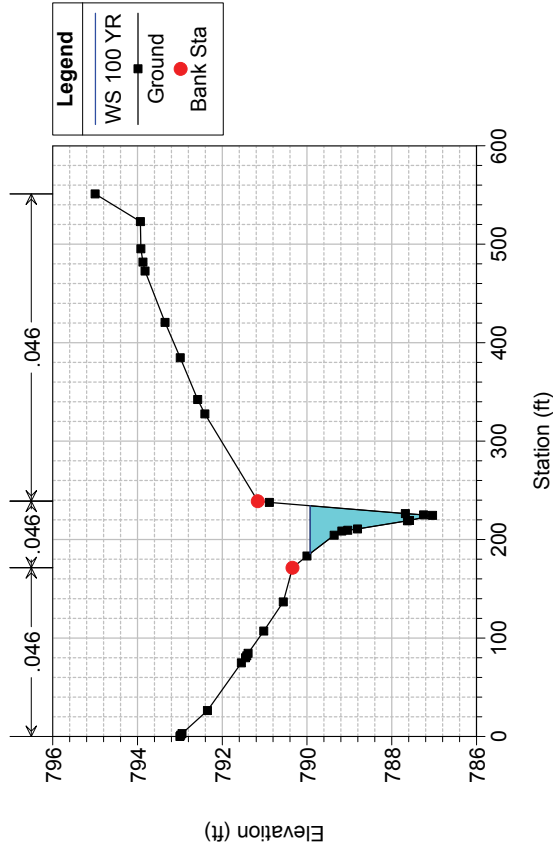


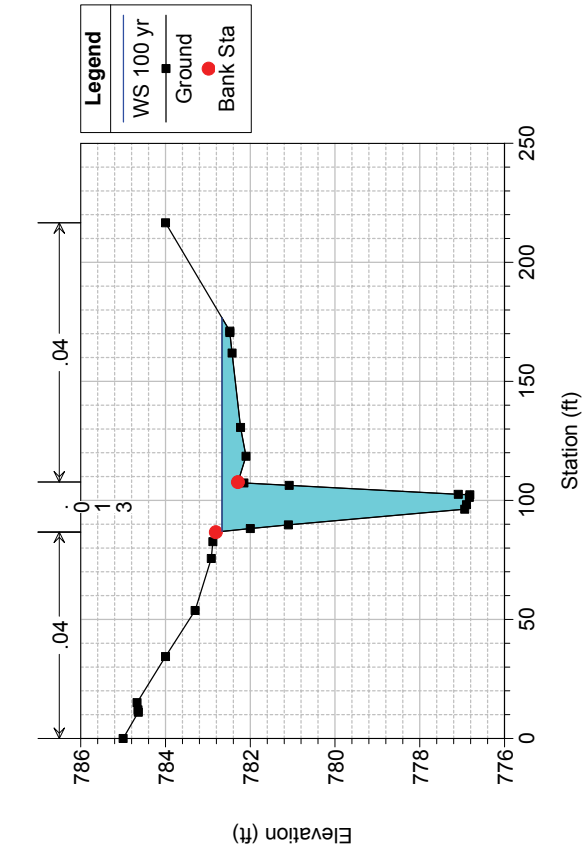
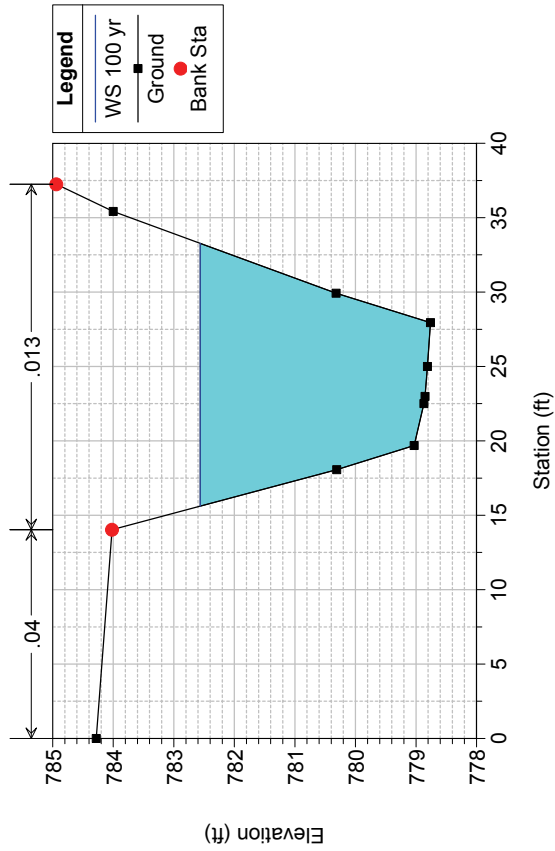
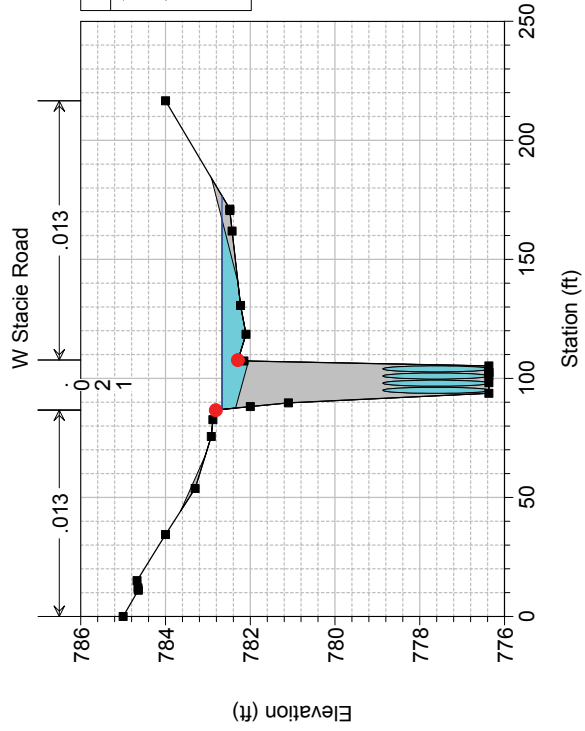
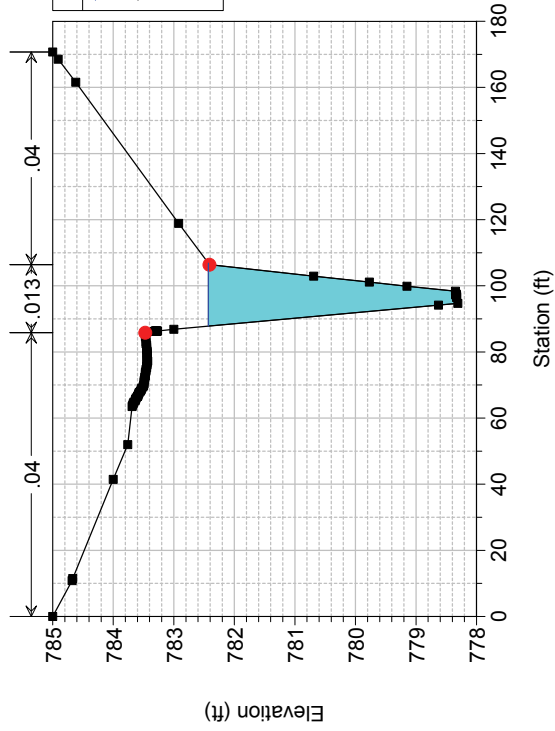




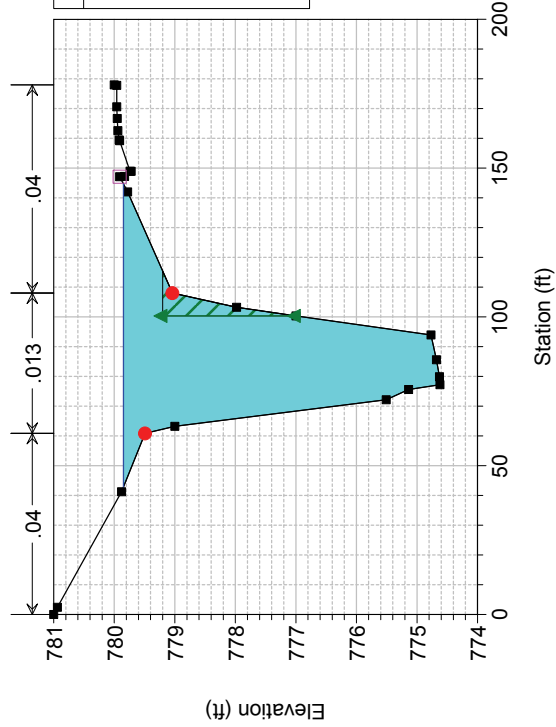
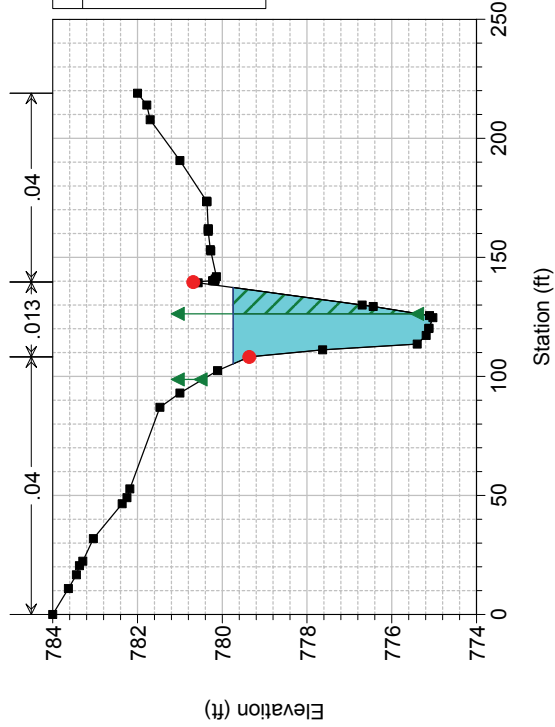




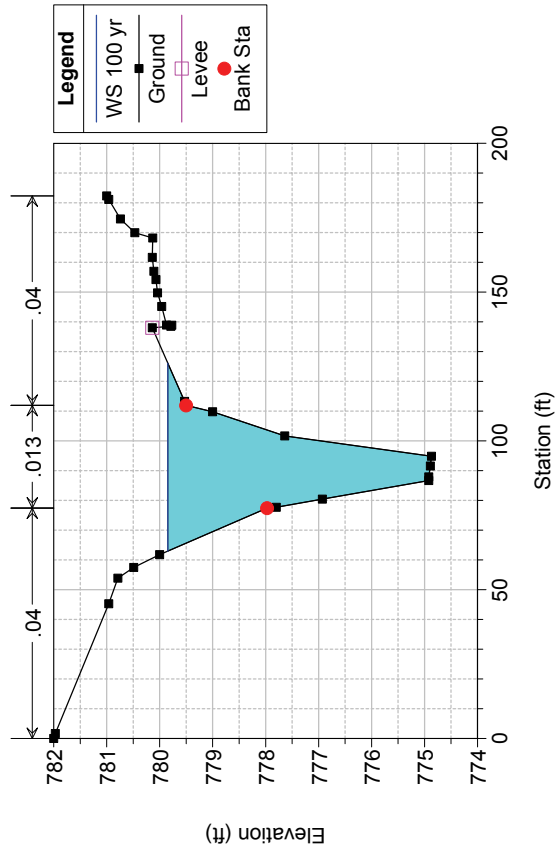
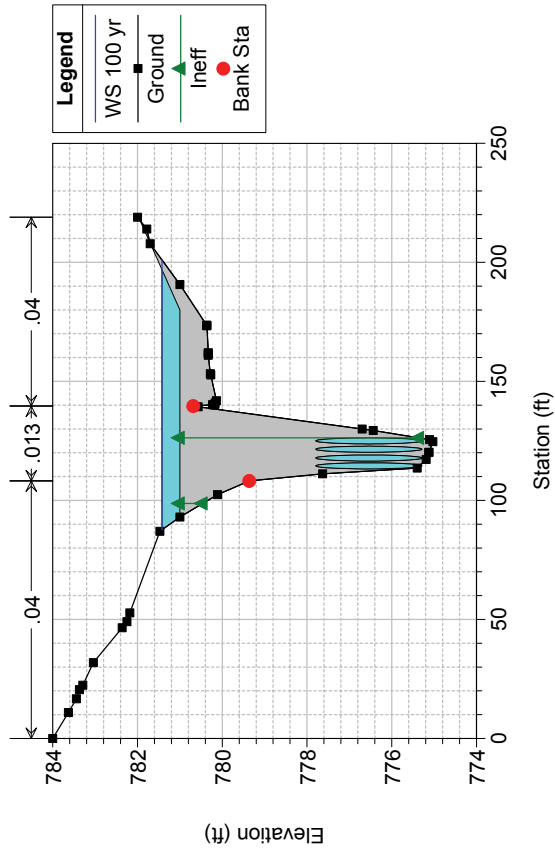


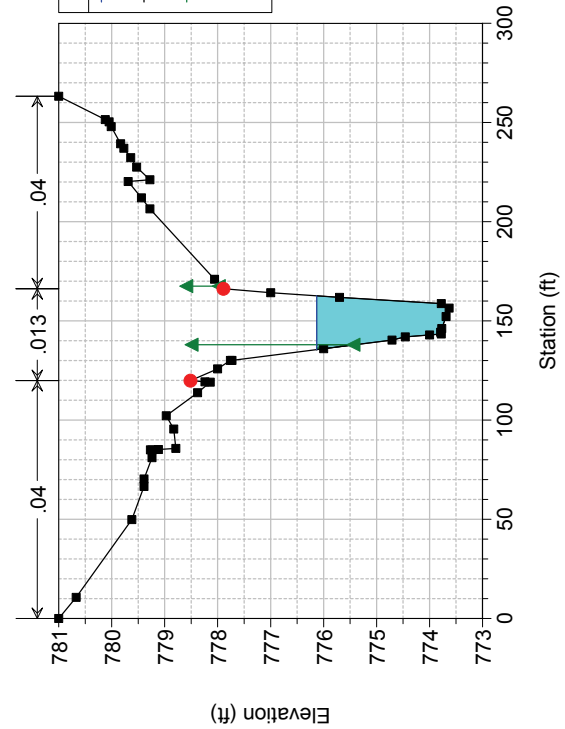
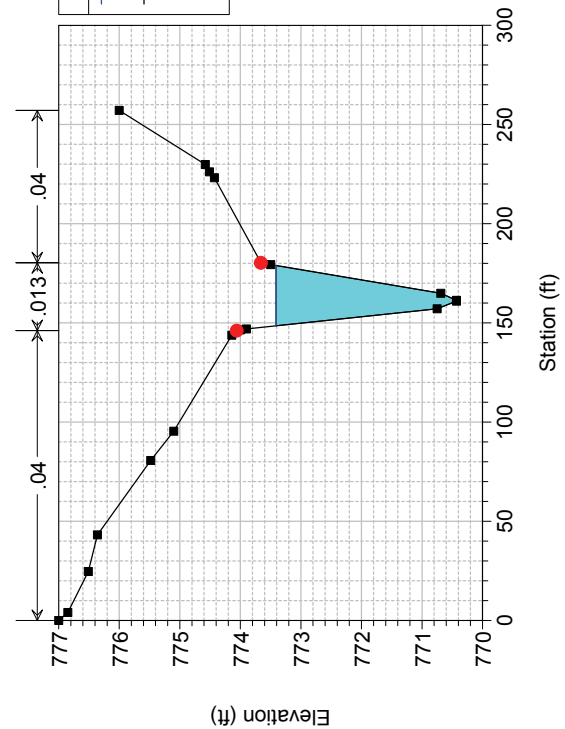
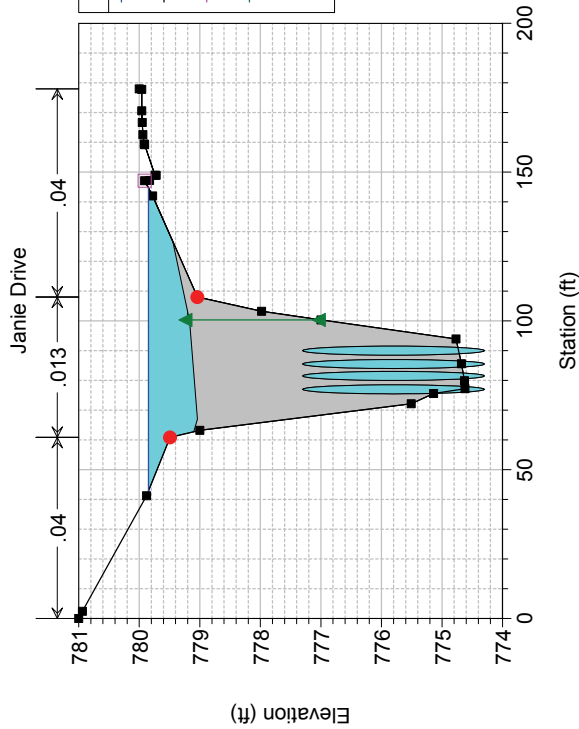
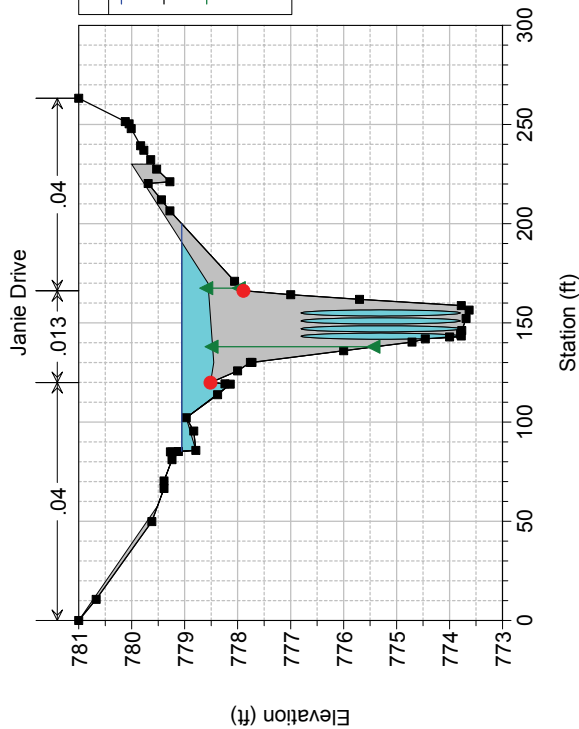


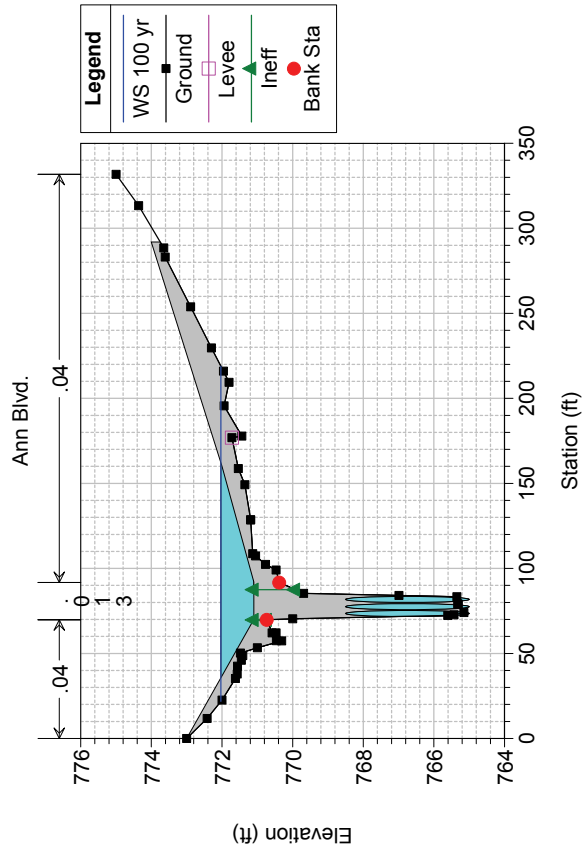
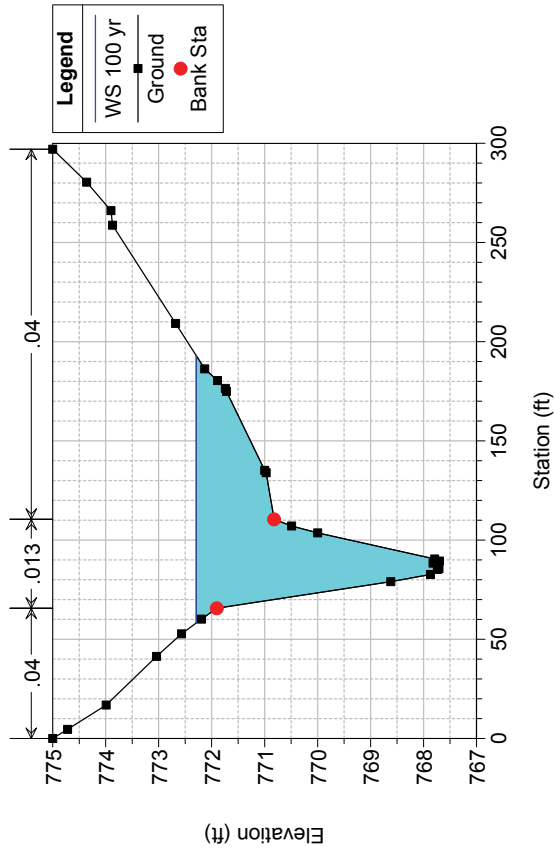
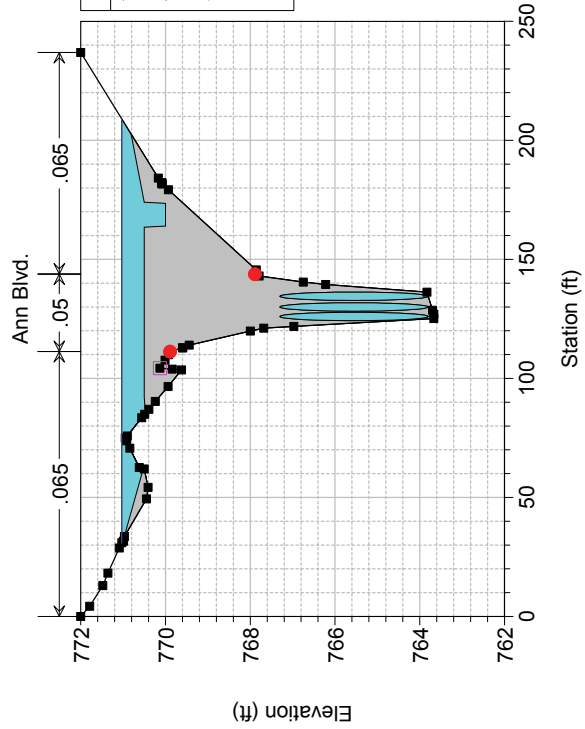
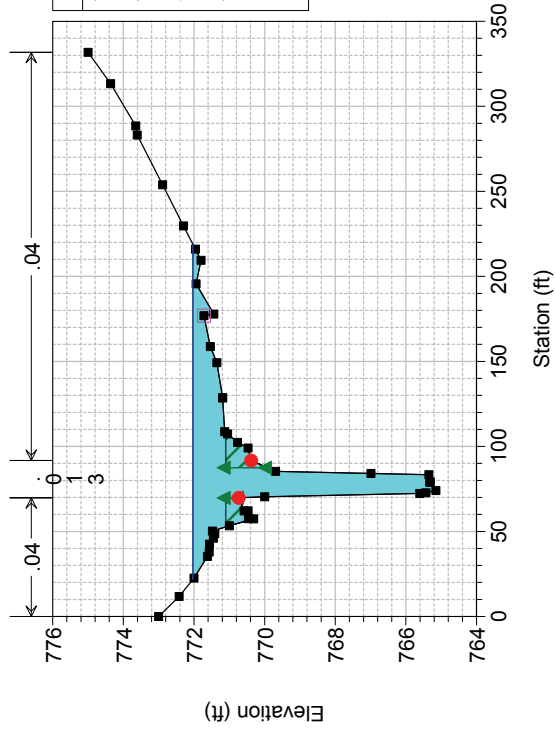


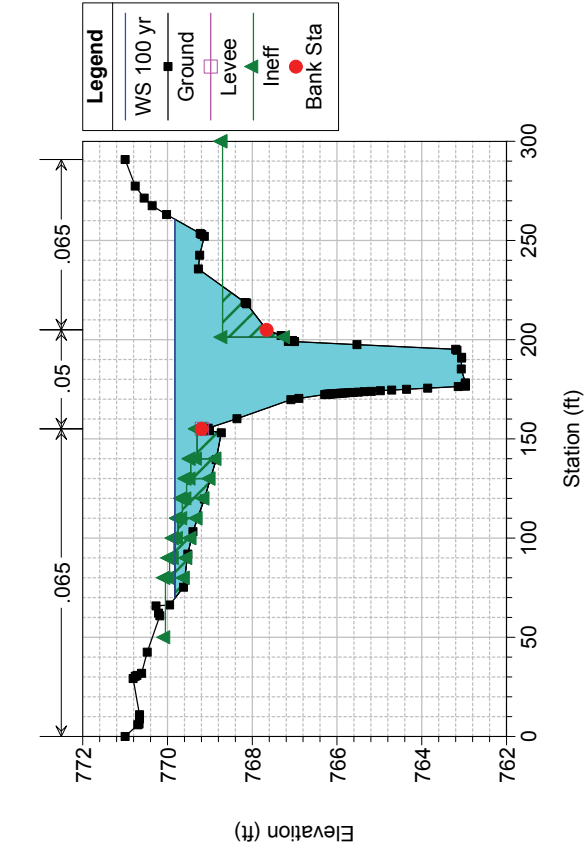
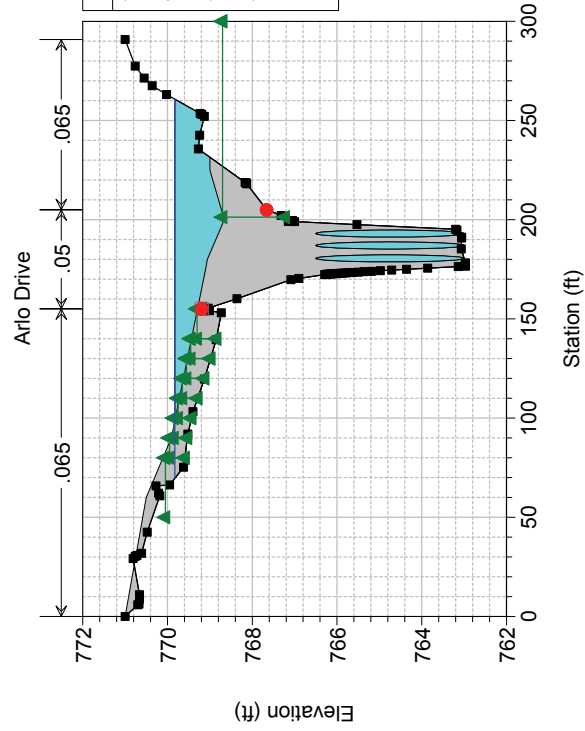
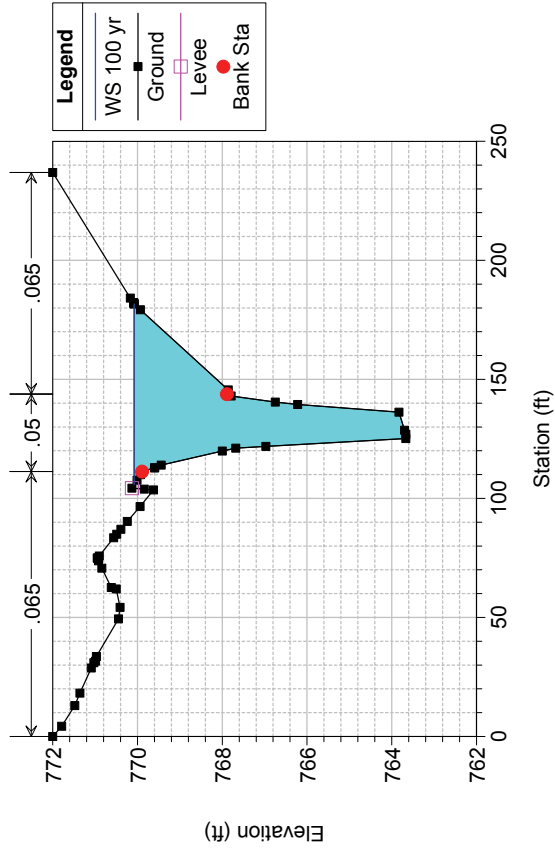
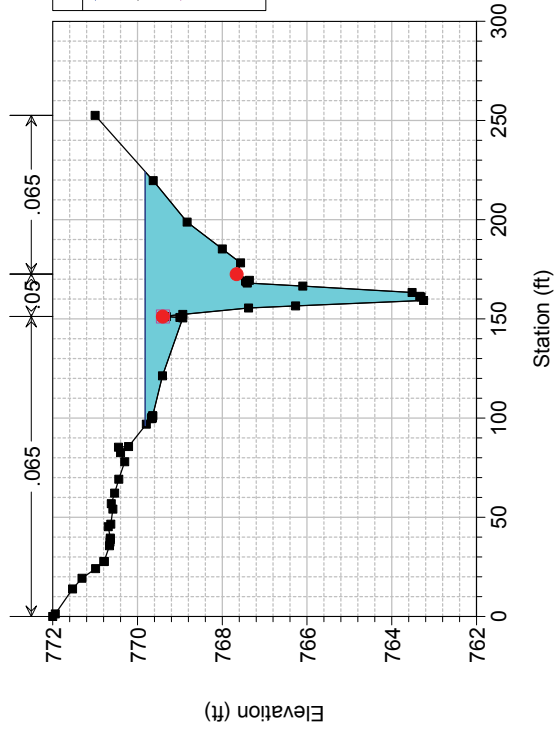


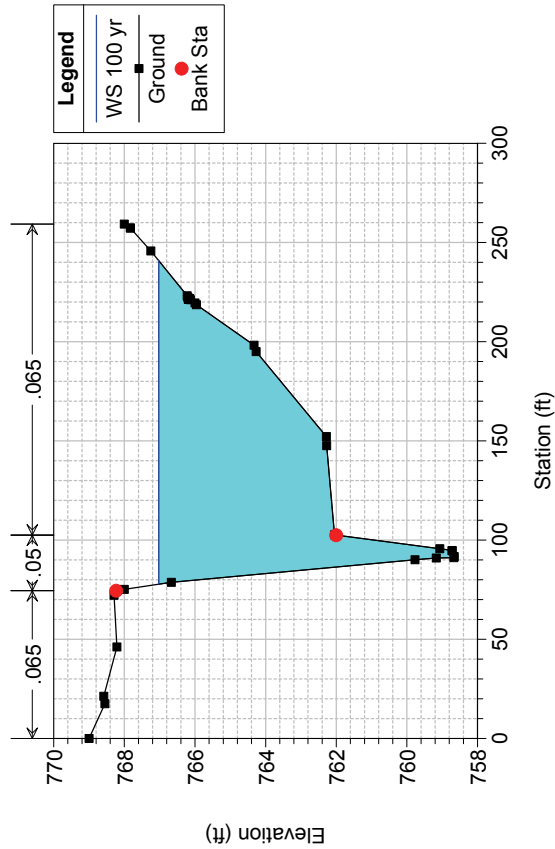
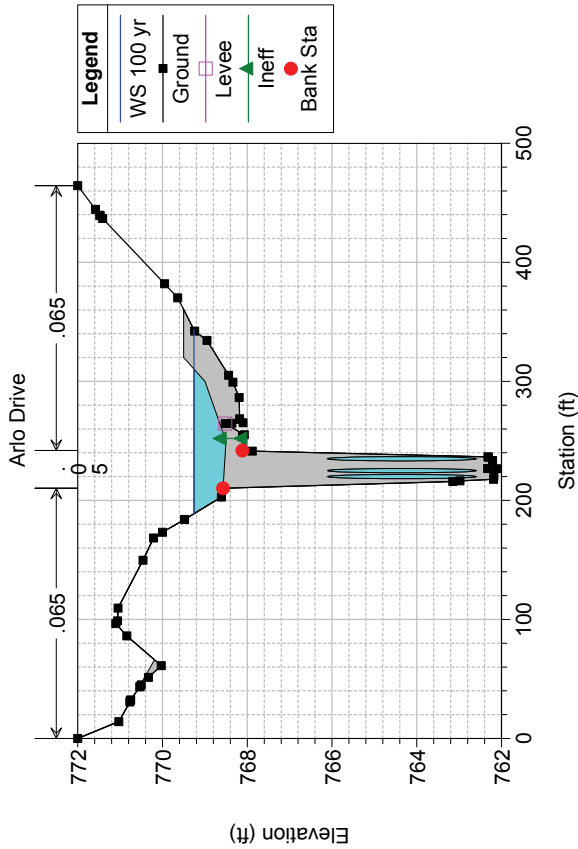
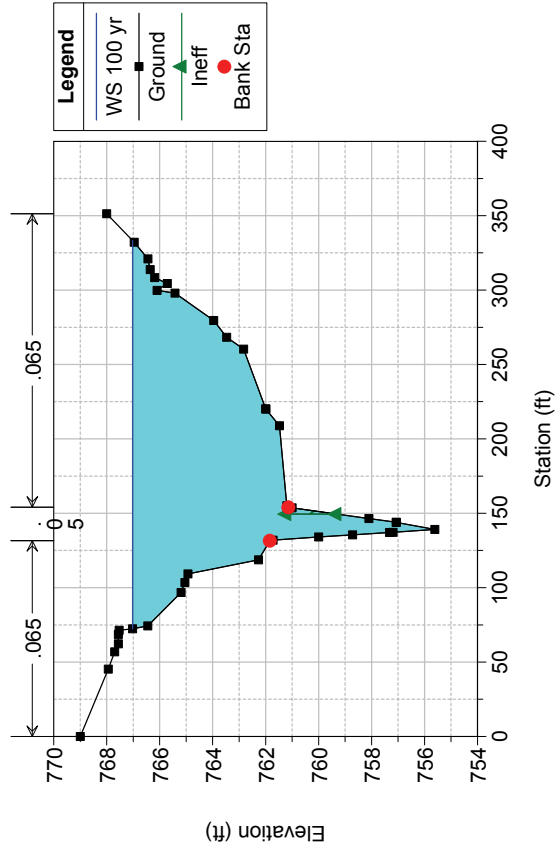
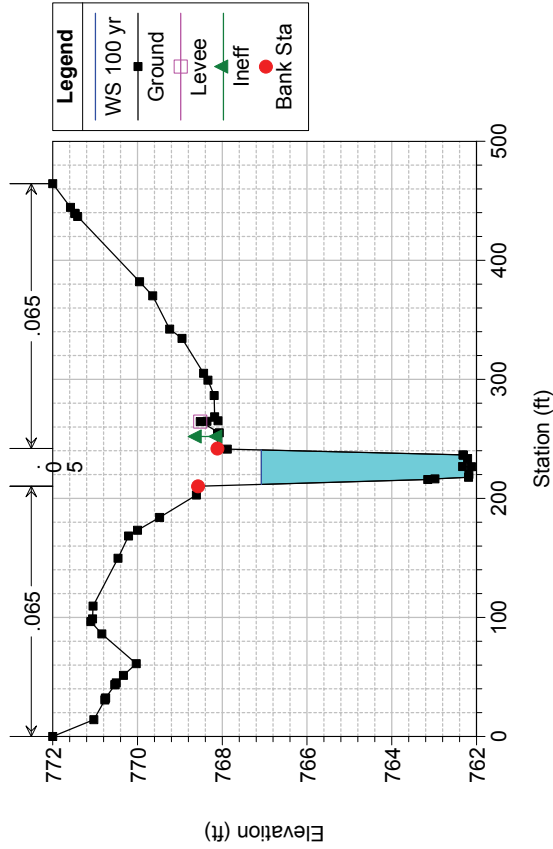
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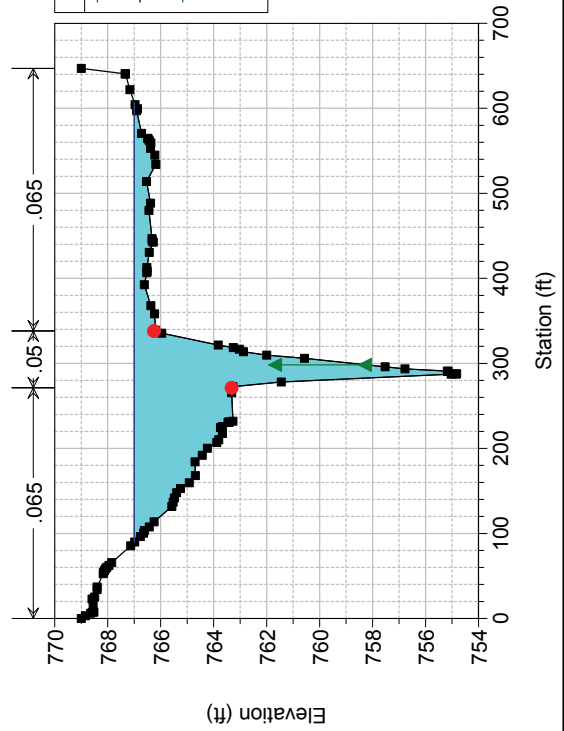
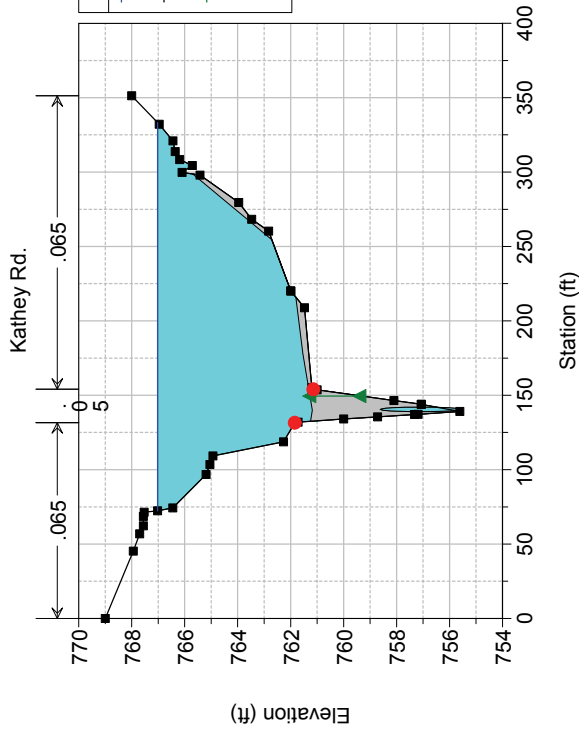
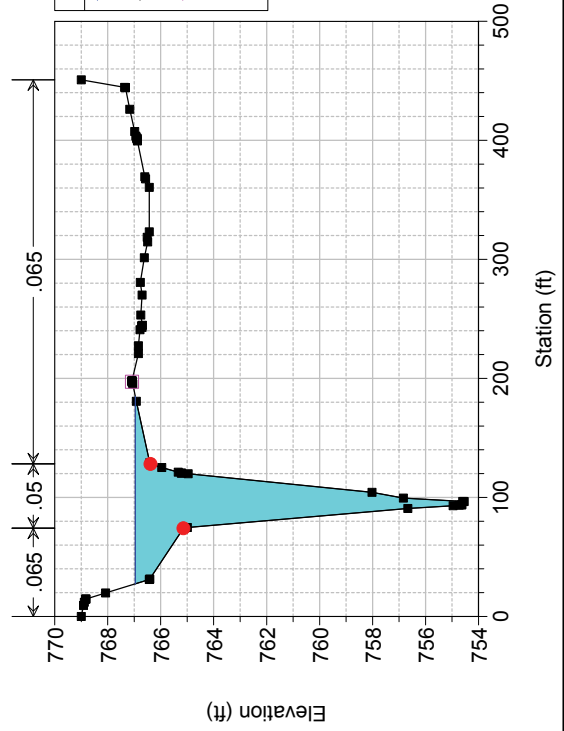
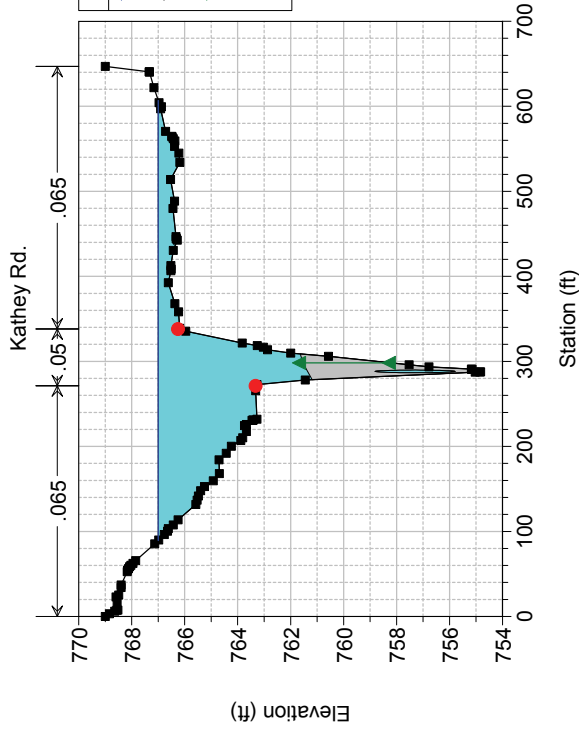




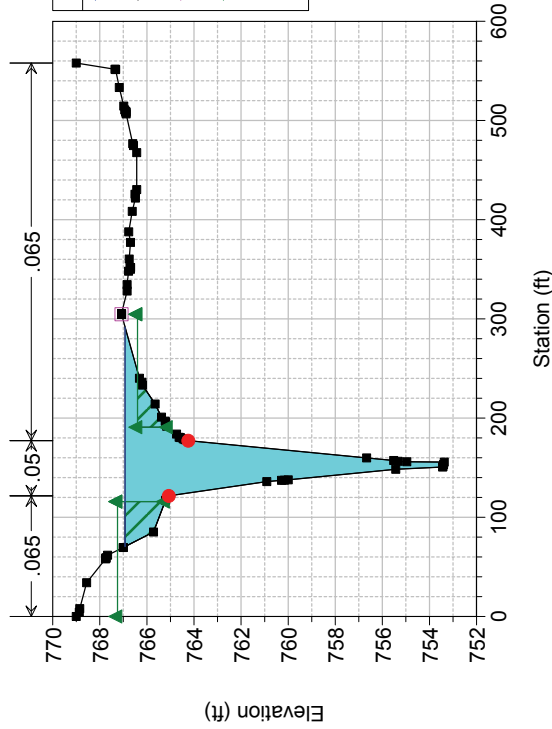
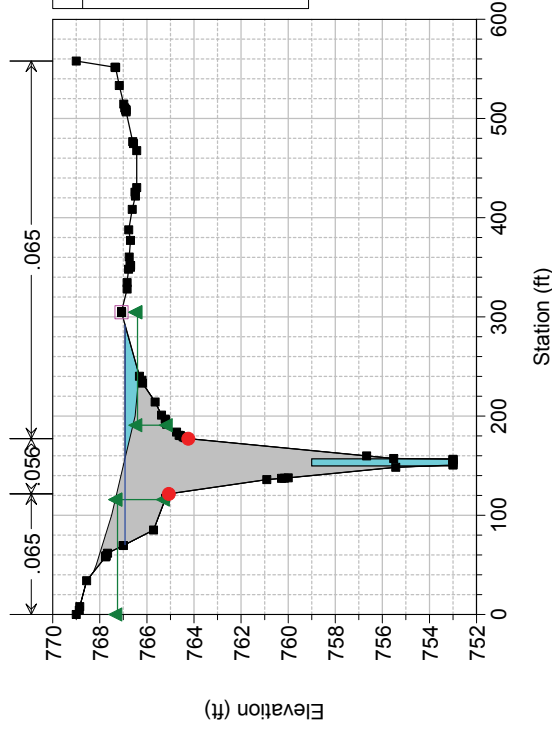




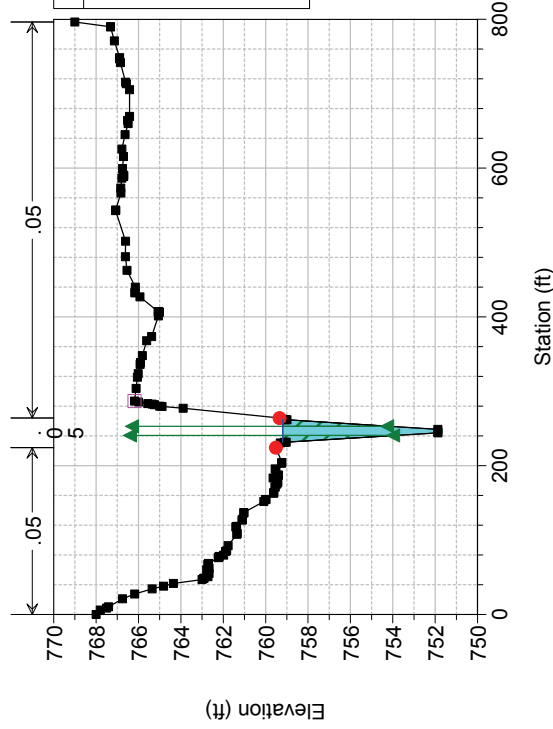




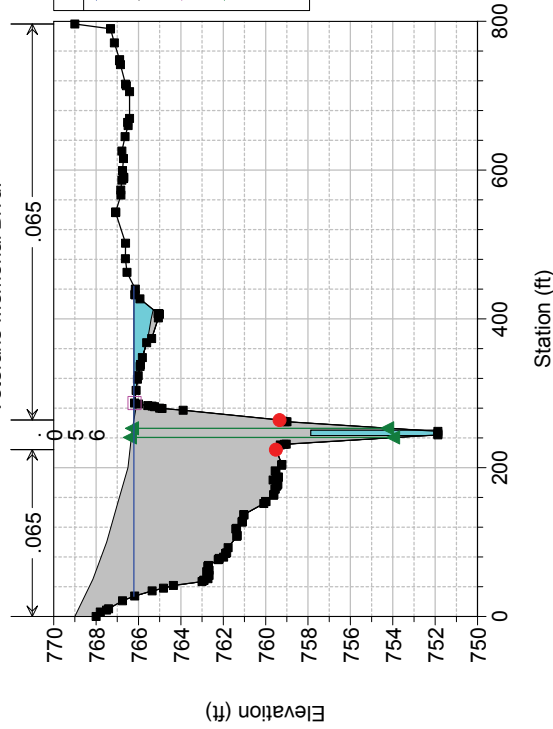
Veterans Memorial Blvd.

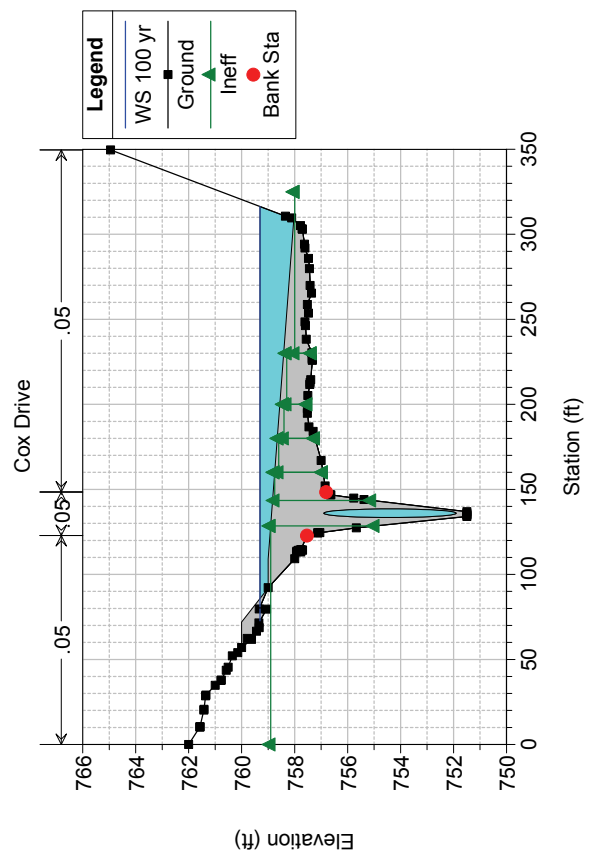
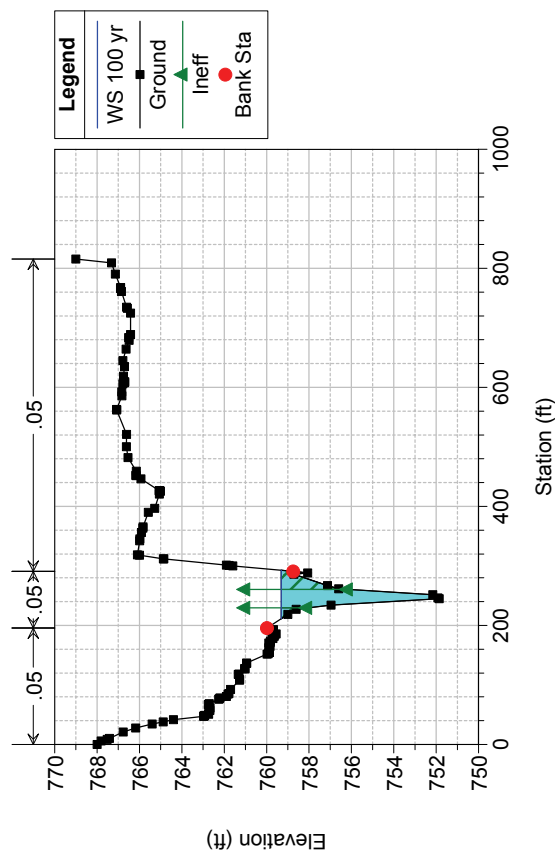
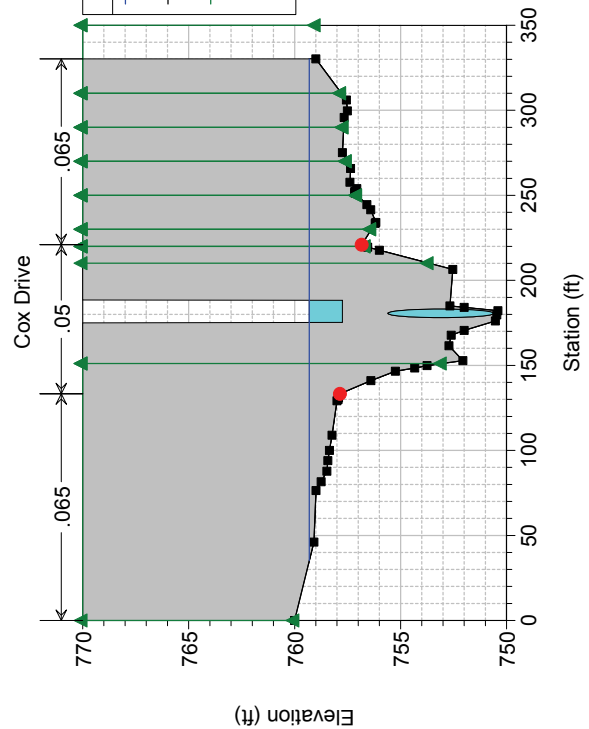
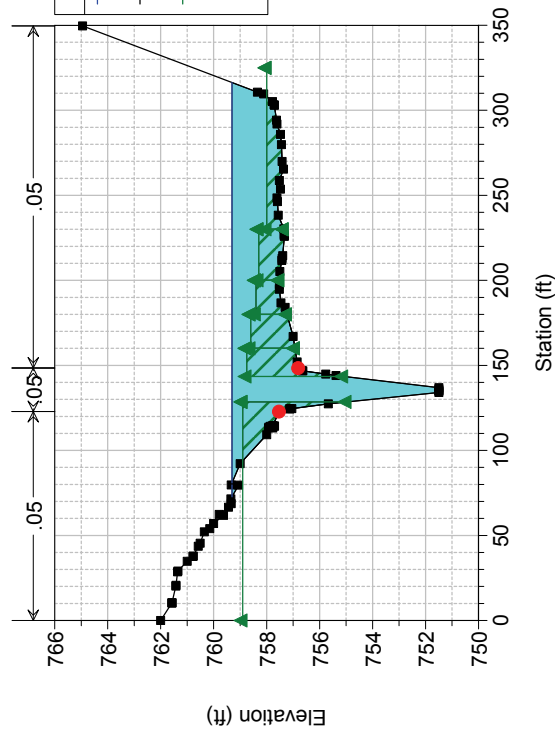


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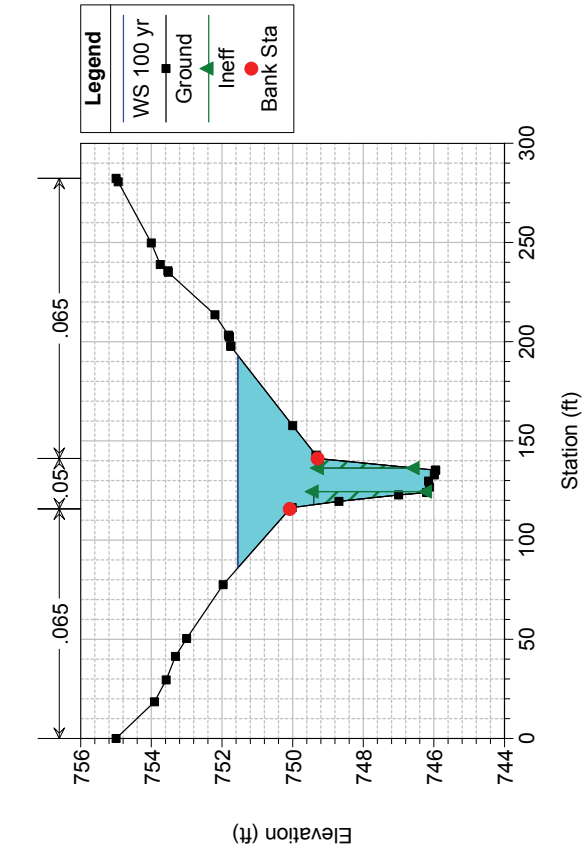
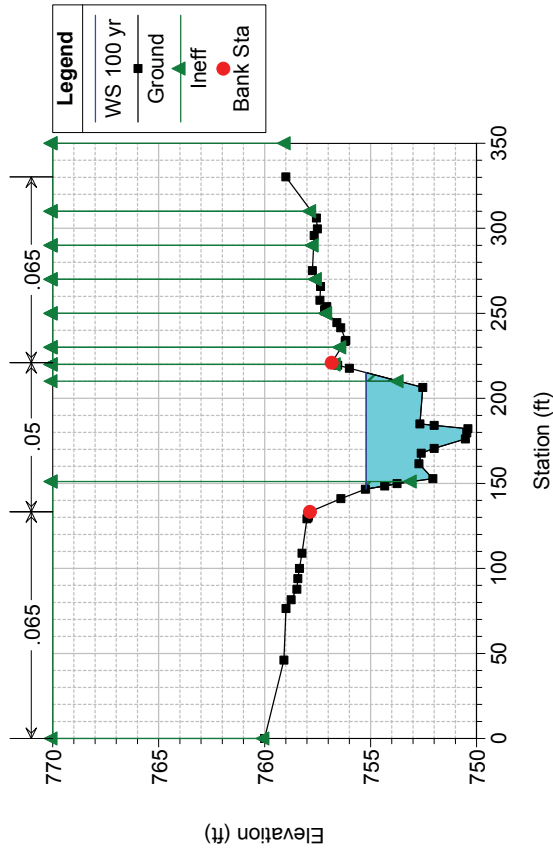
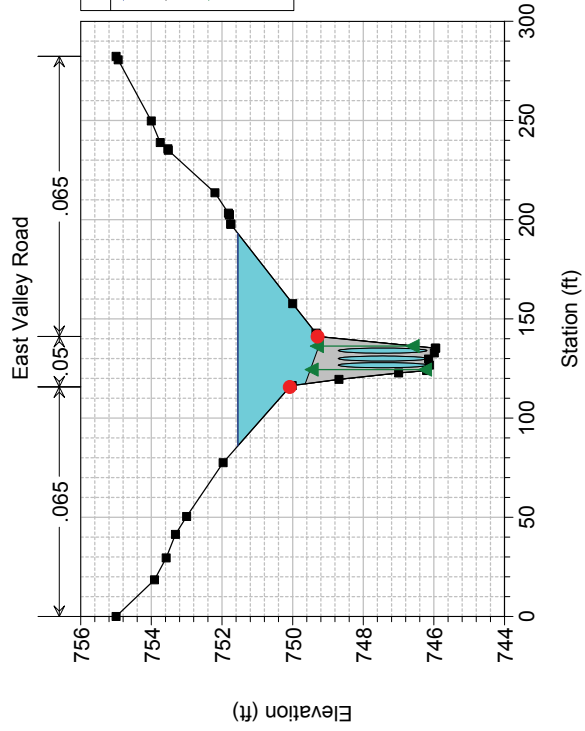
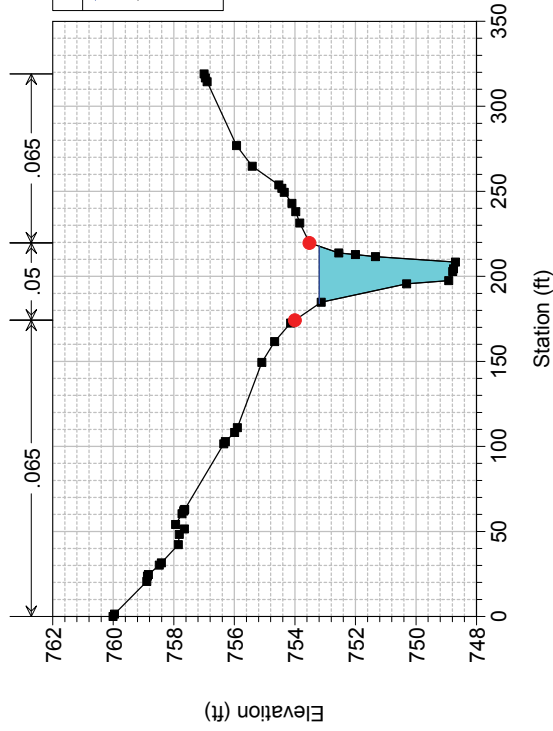


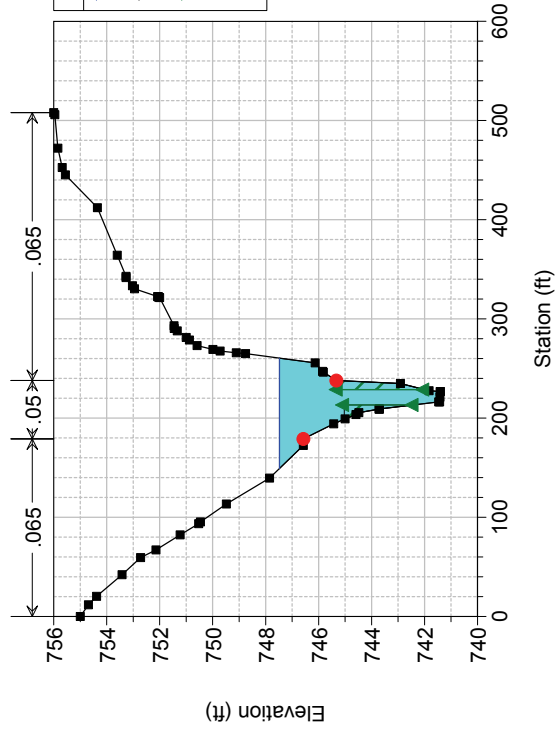
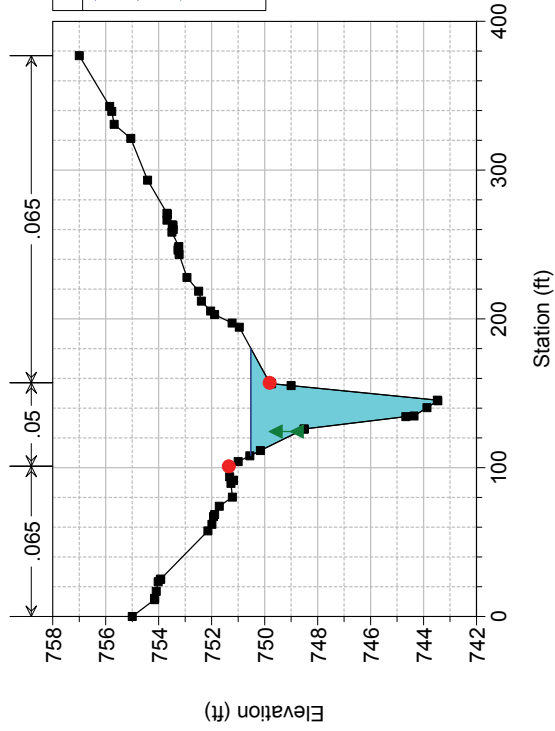
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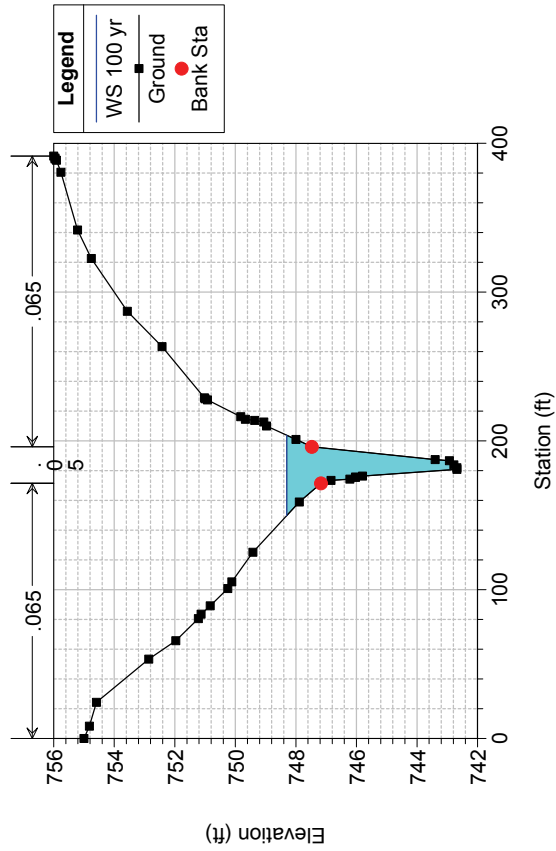
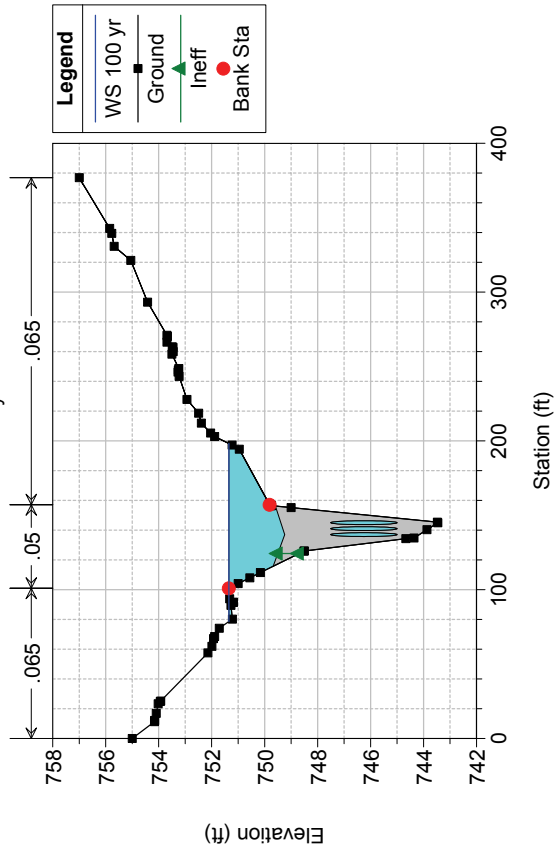


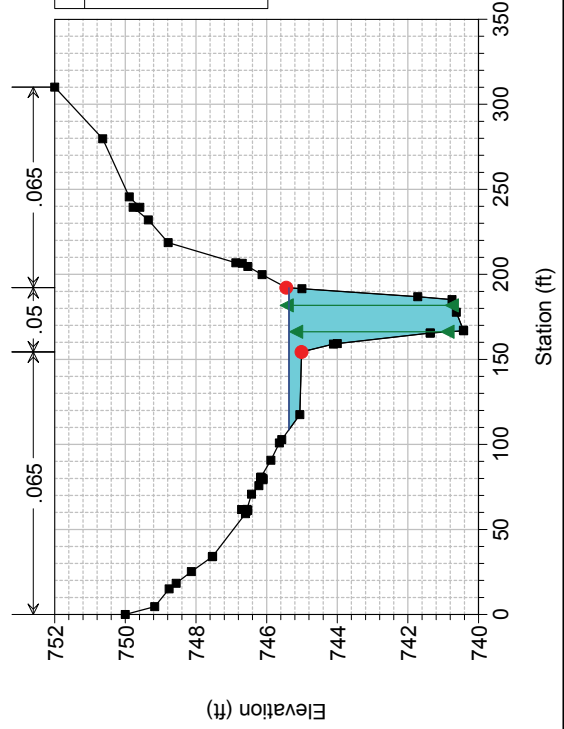
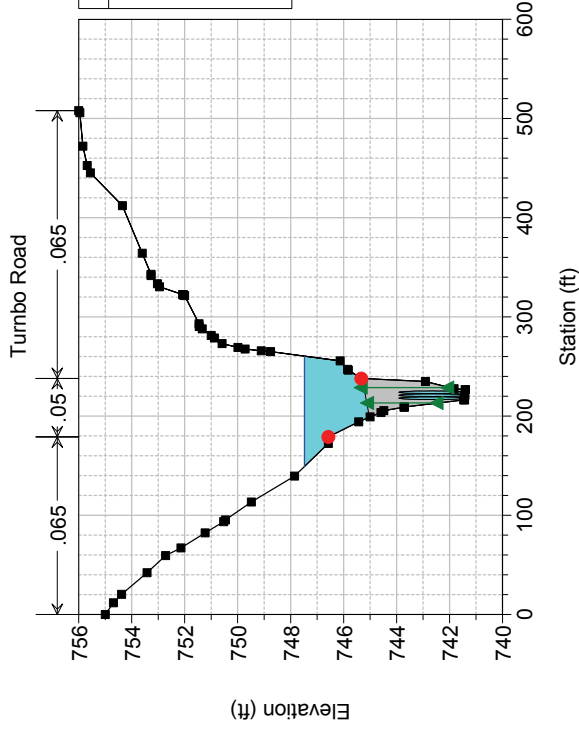
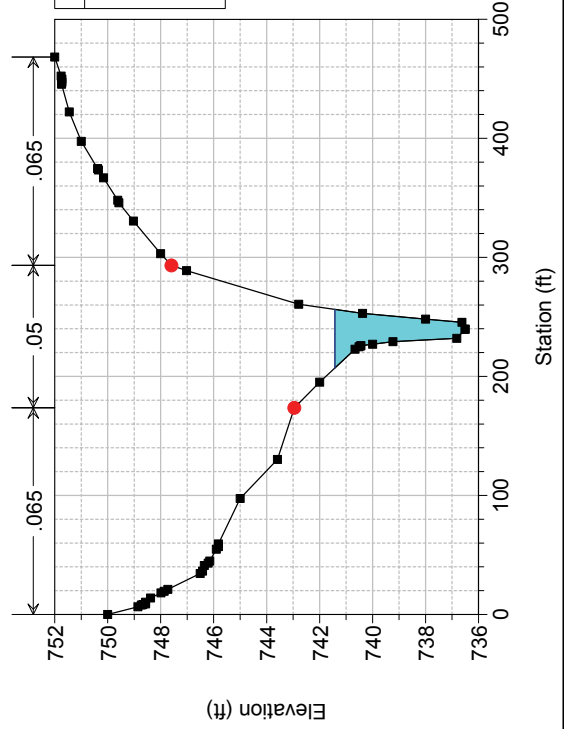
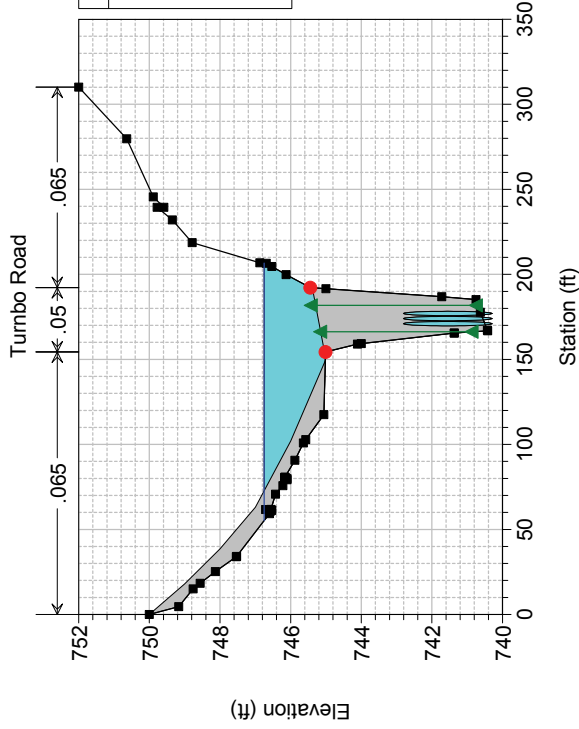


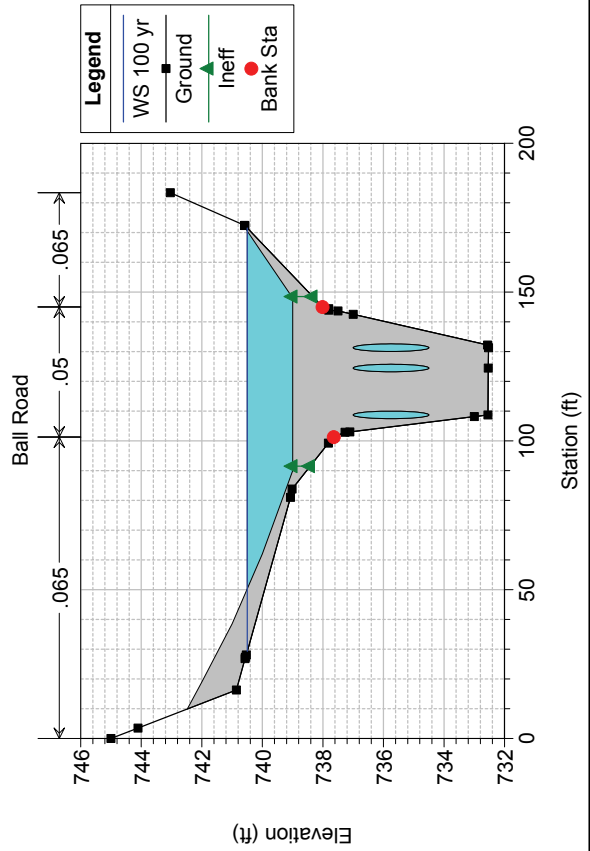
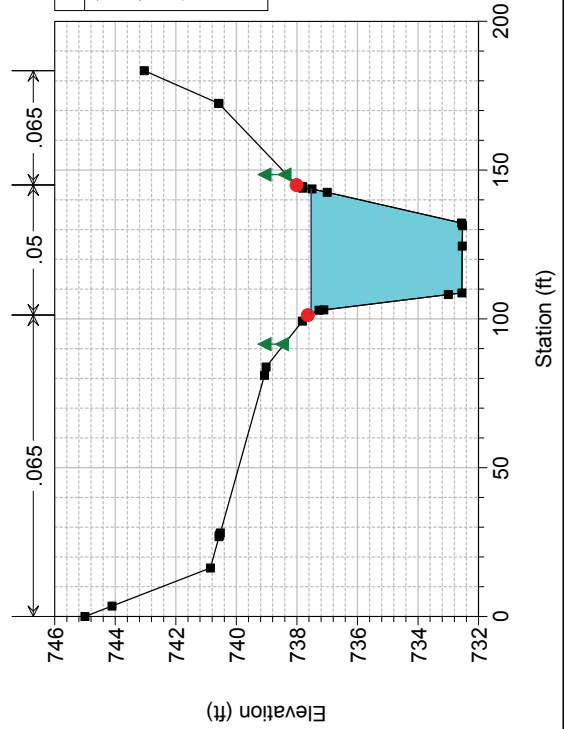
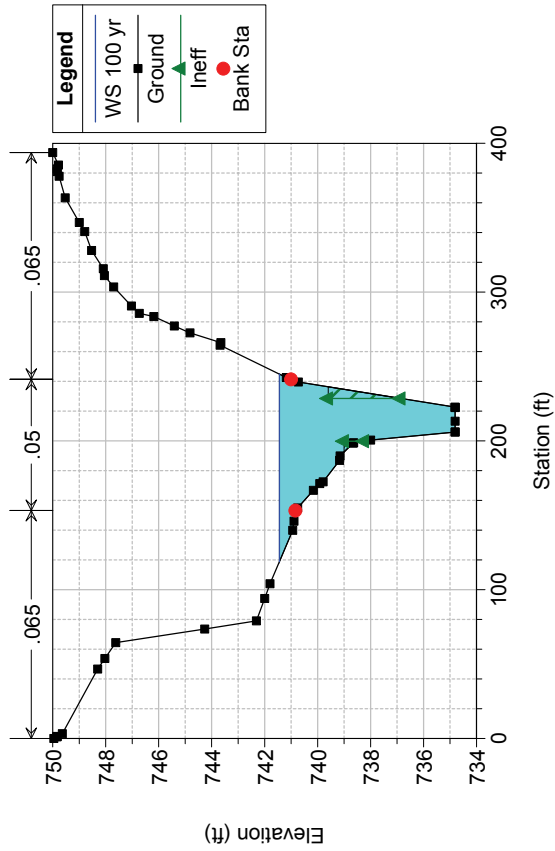
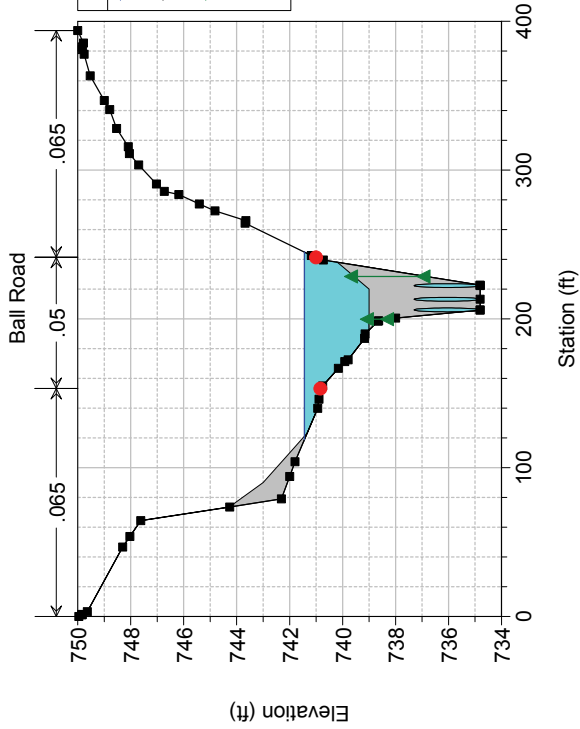


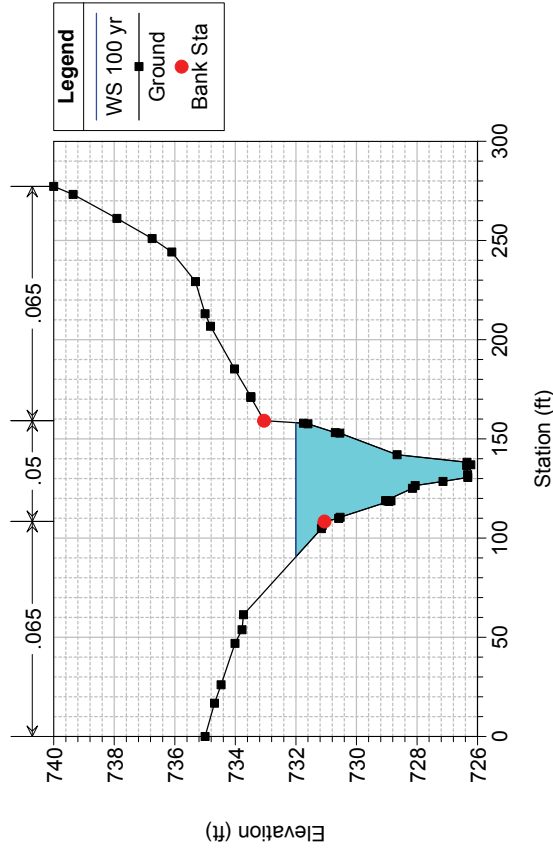
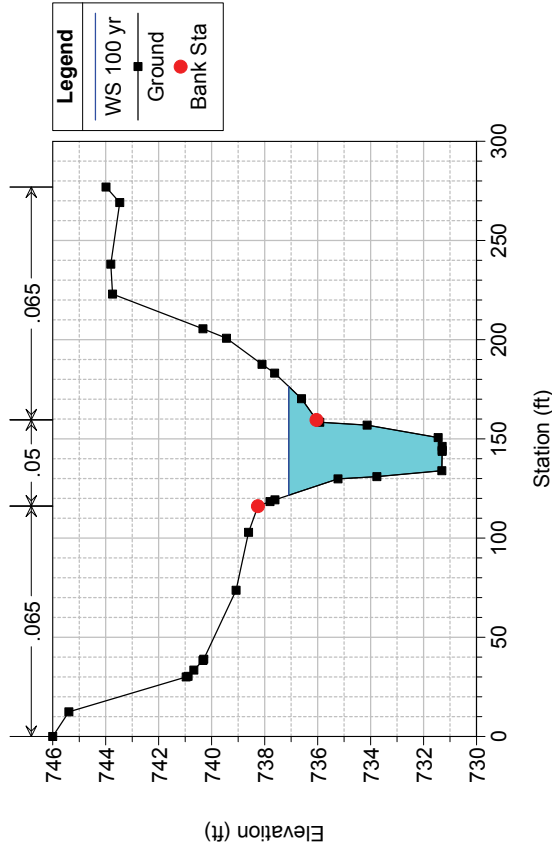
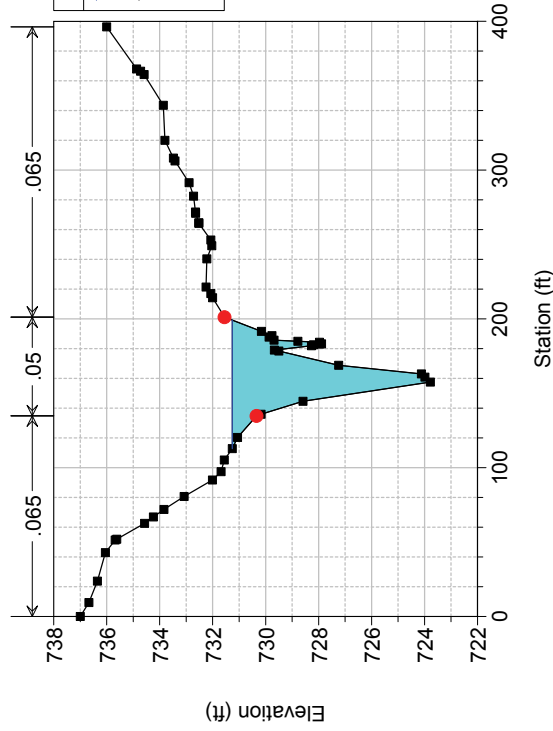
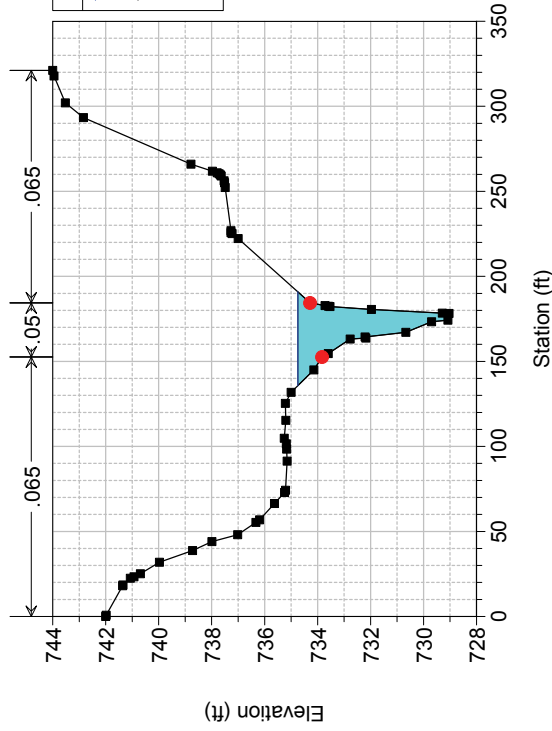


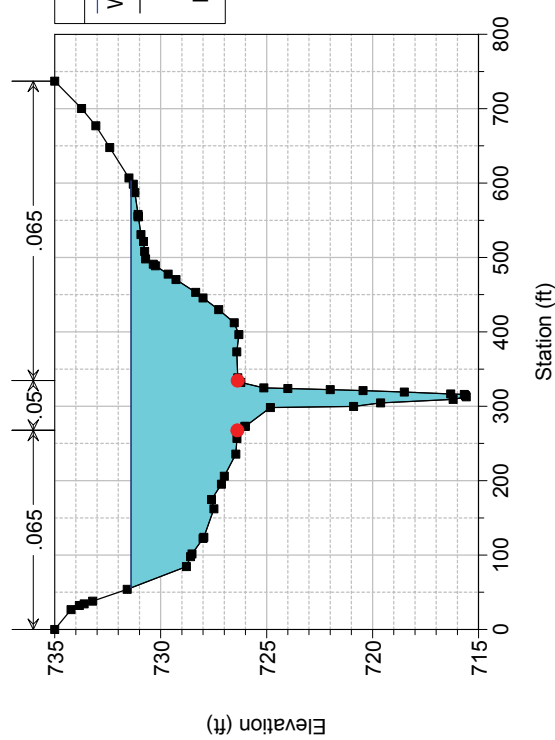
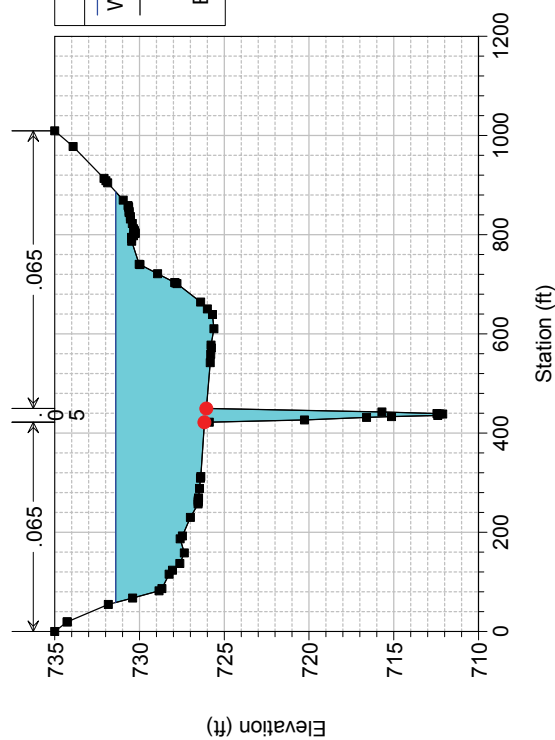
East Valley Road

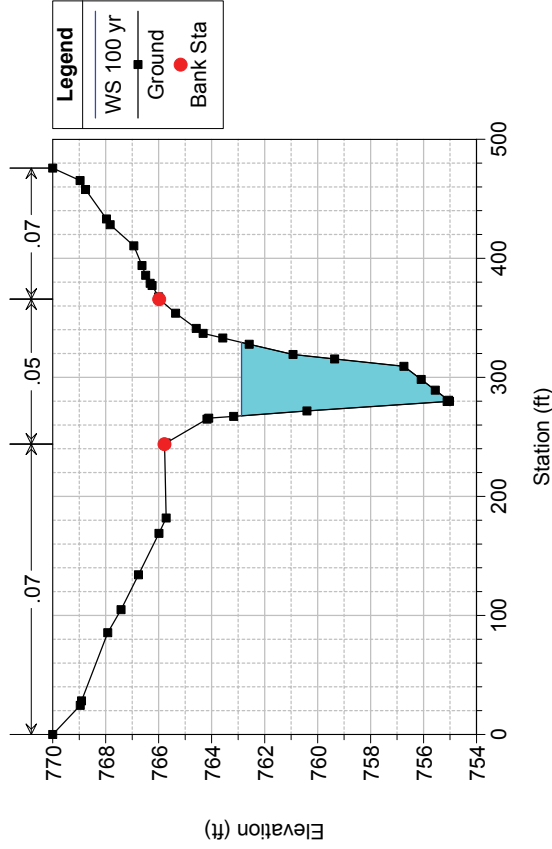




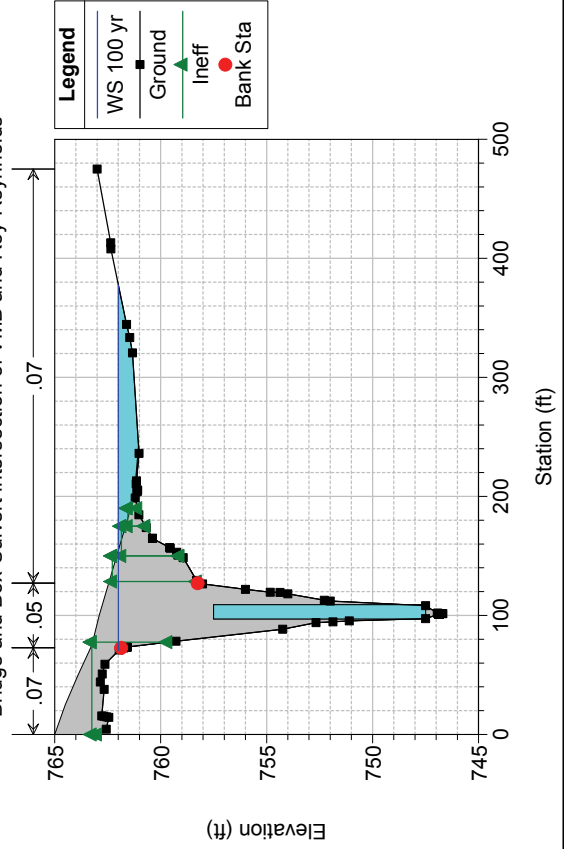
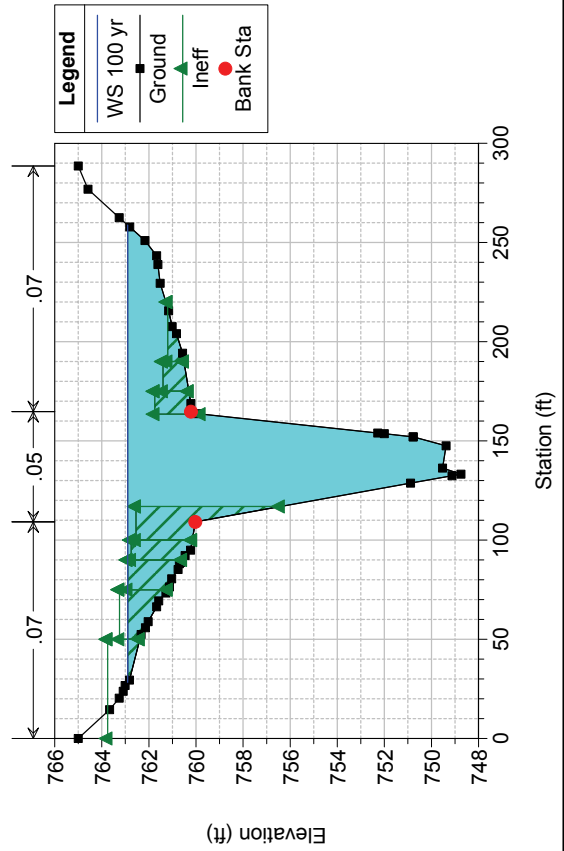


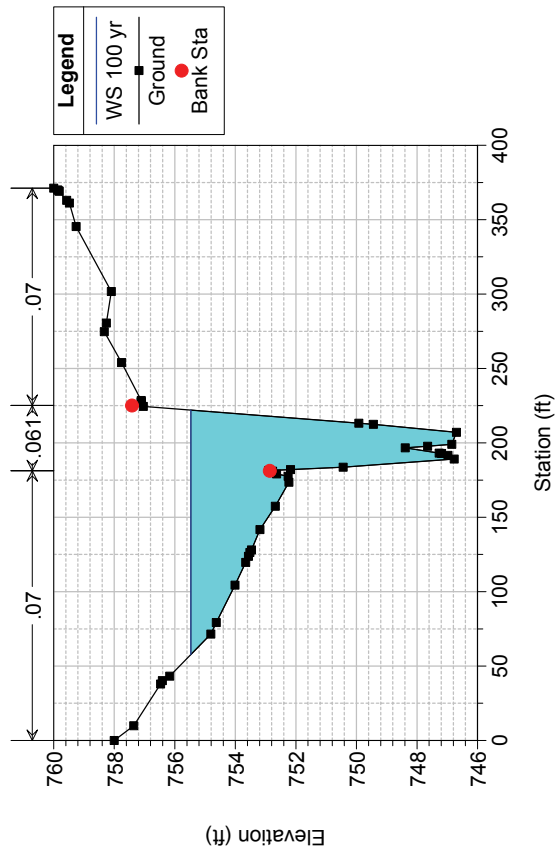
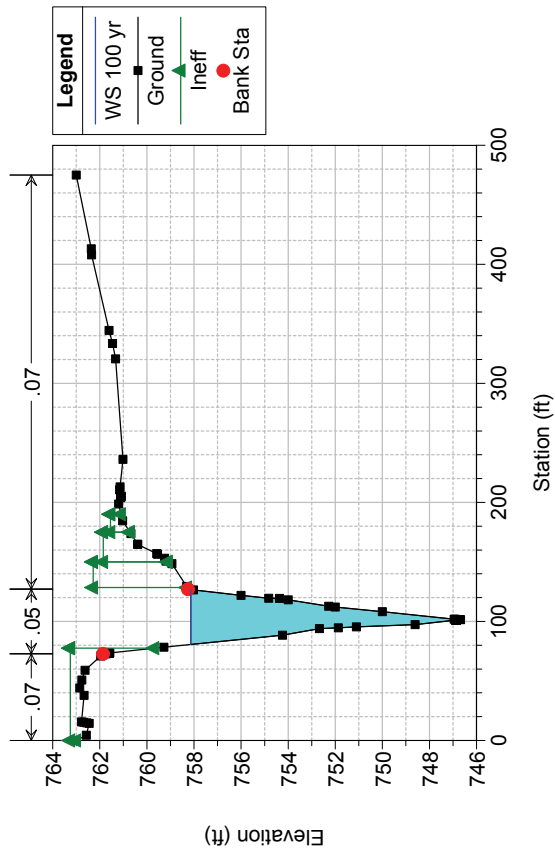
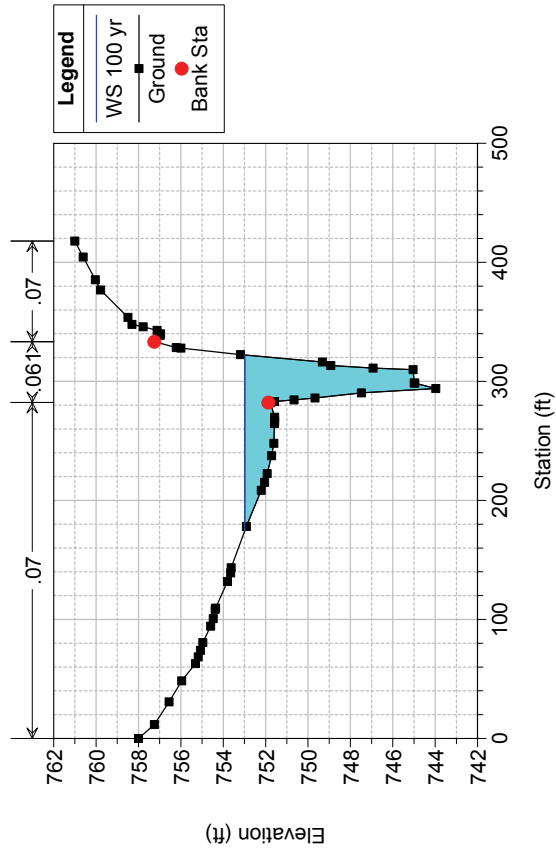
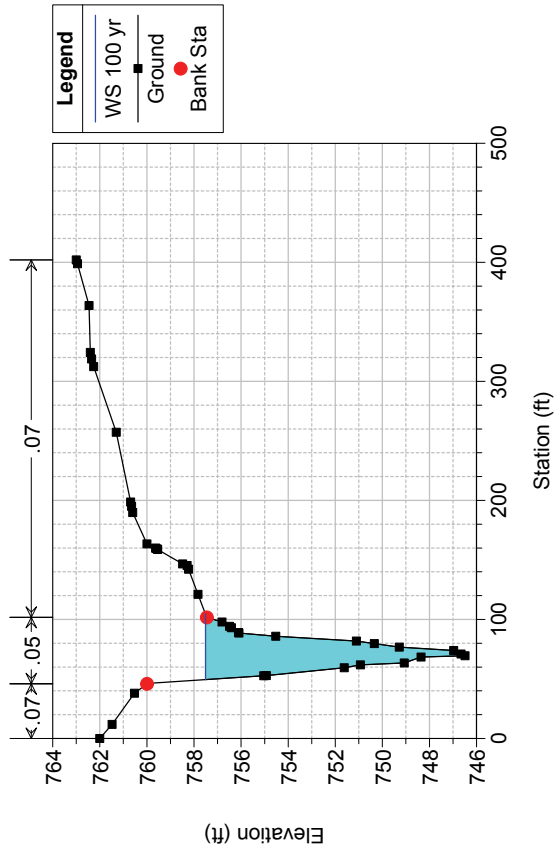




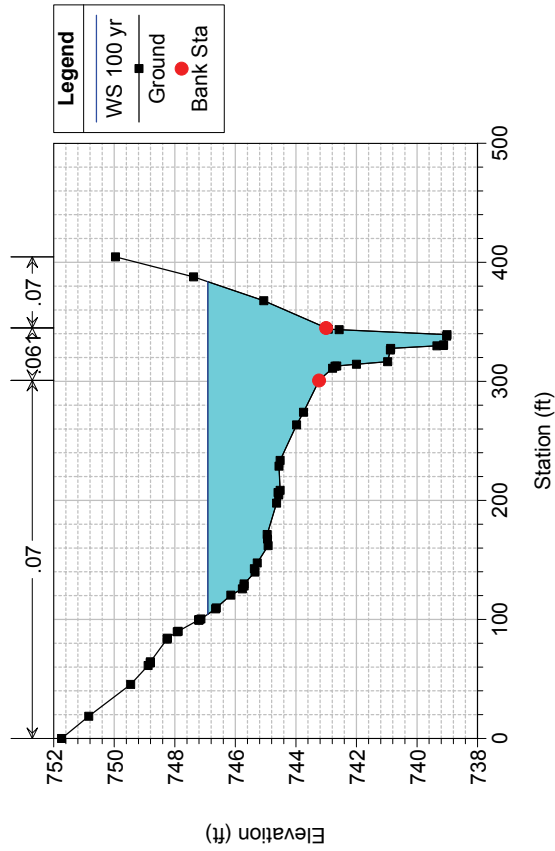
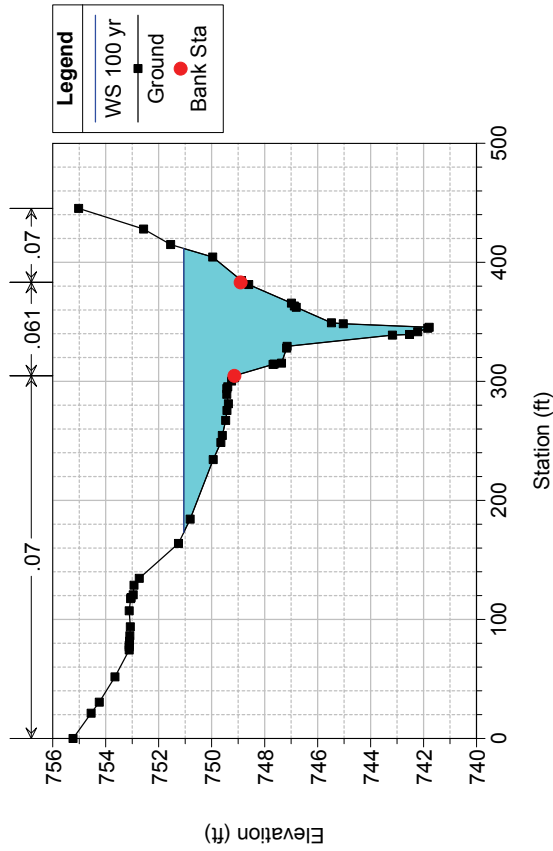
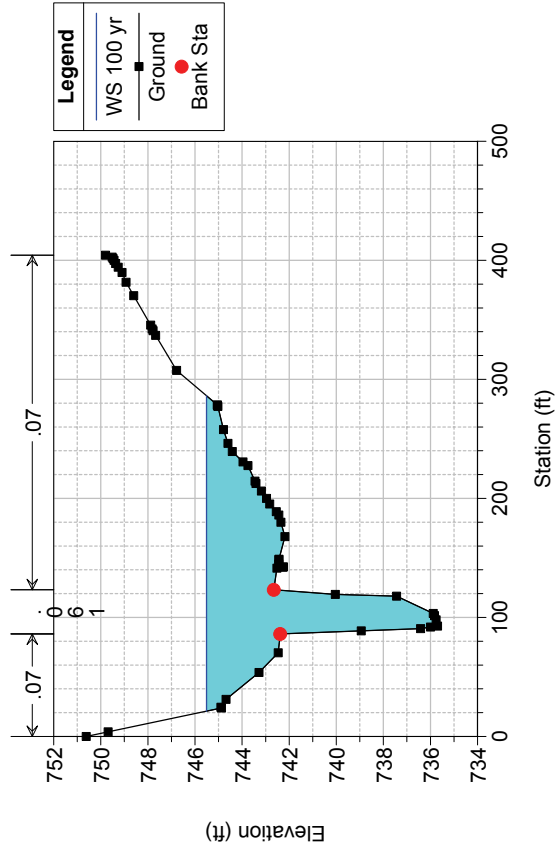
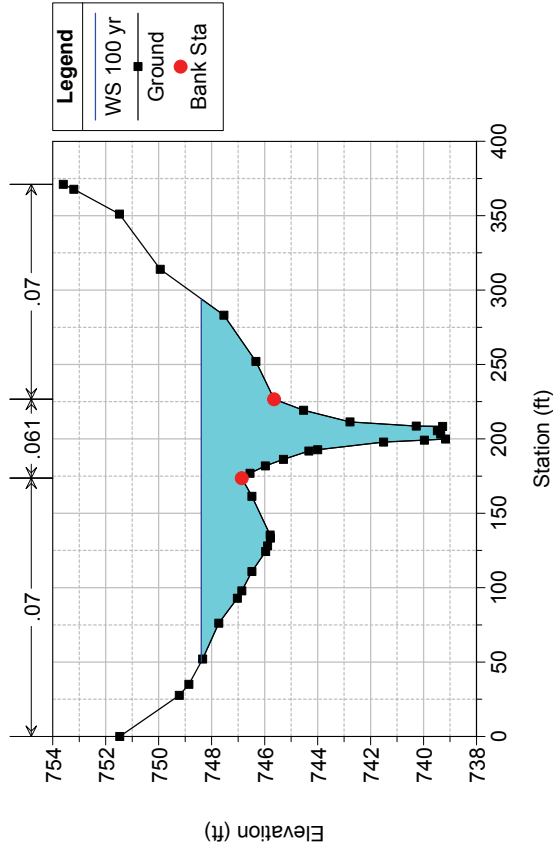


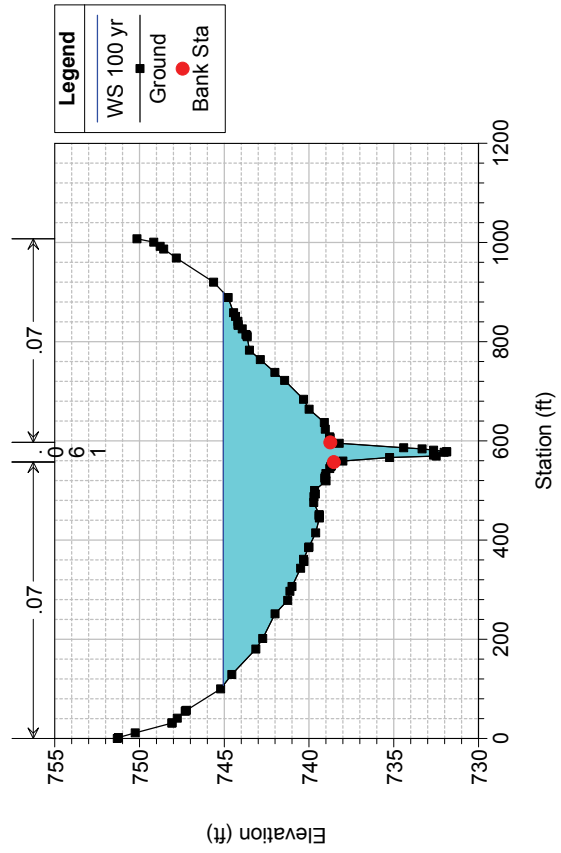
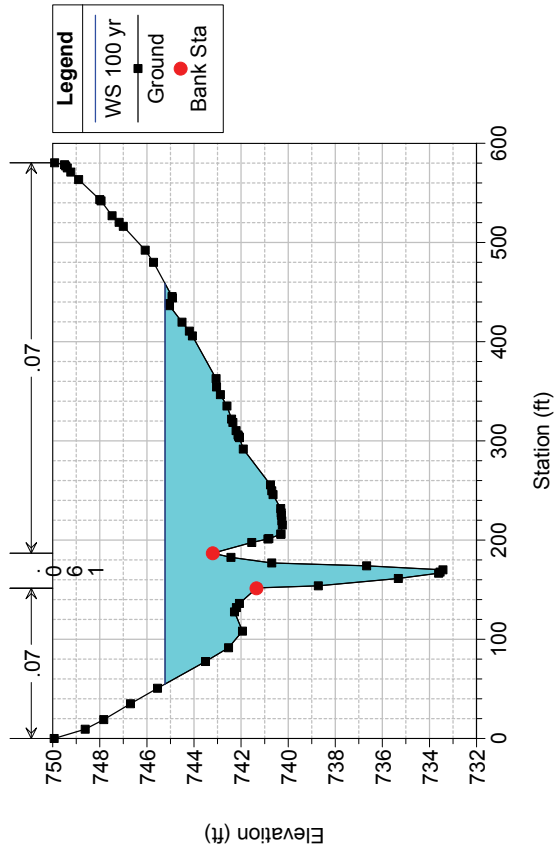
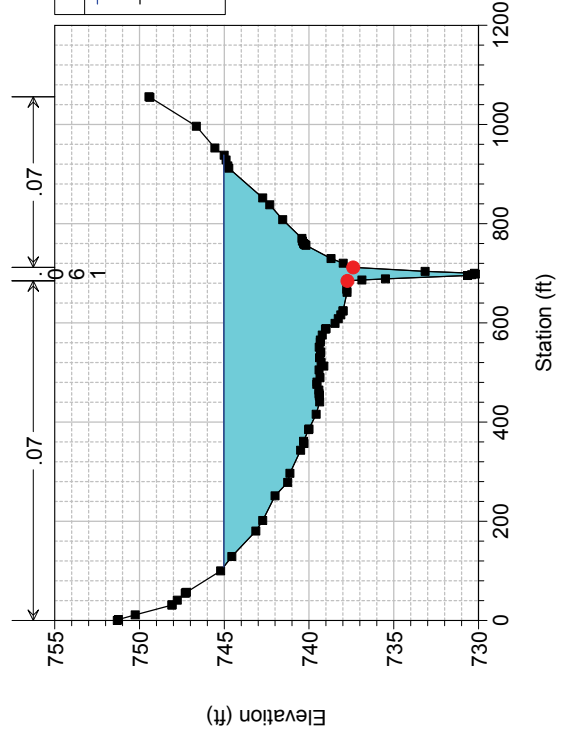
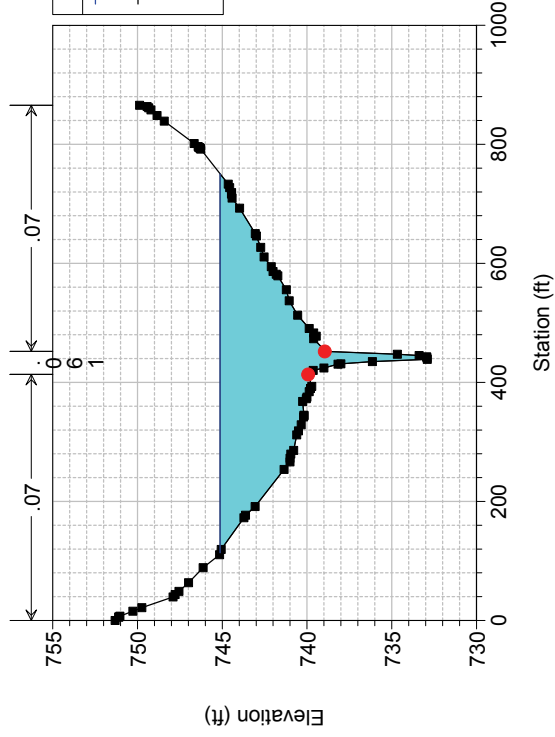
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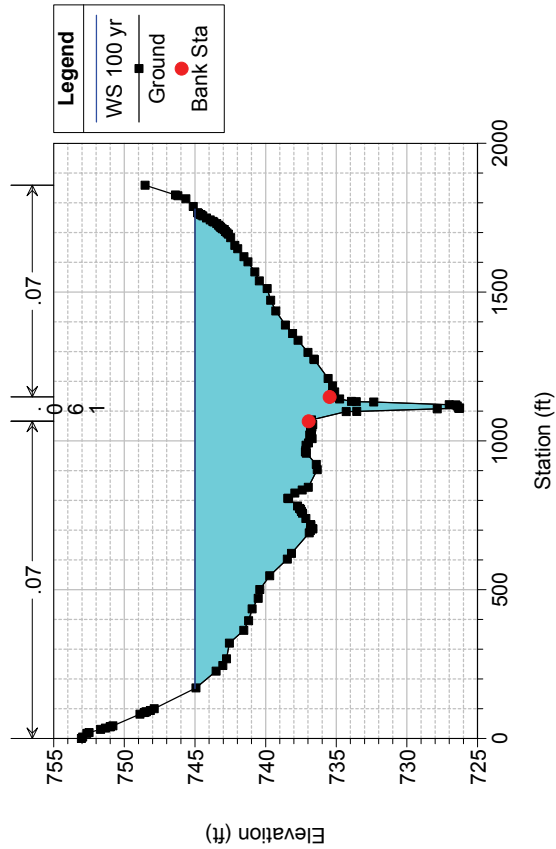
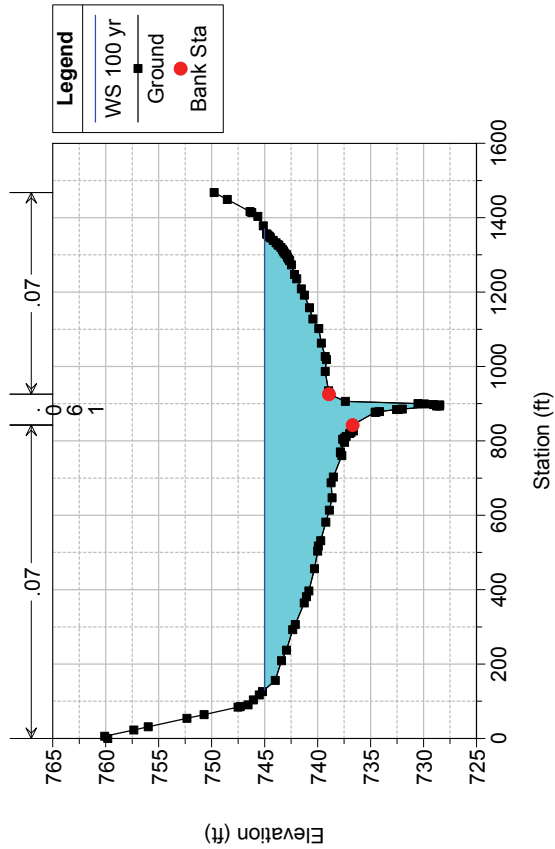
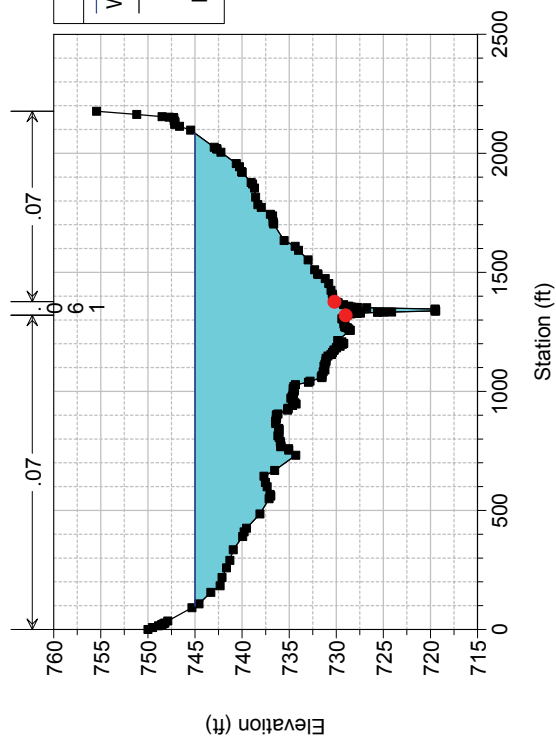
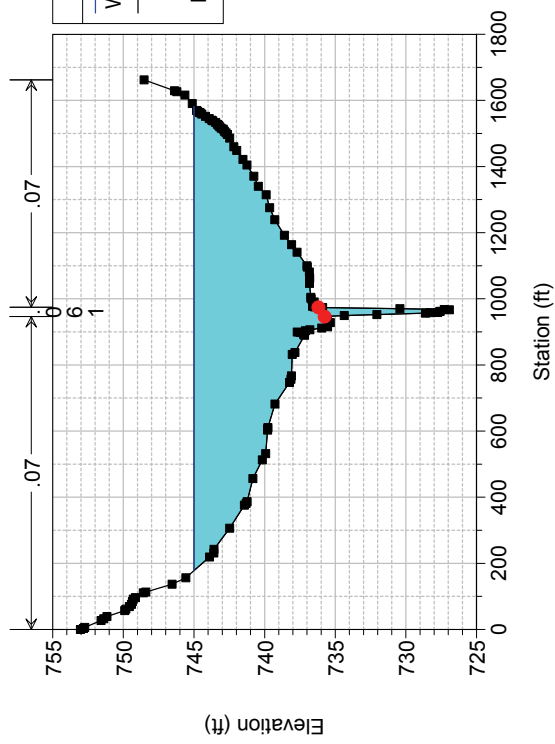


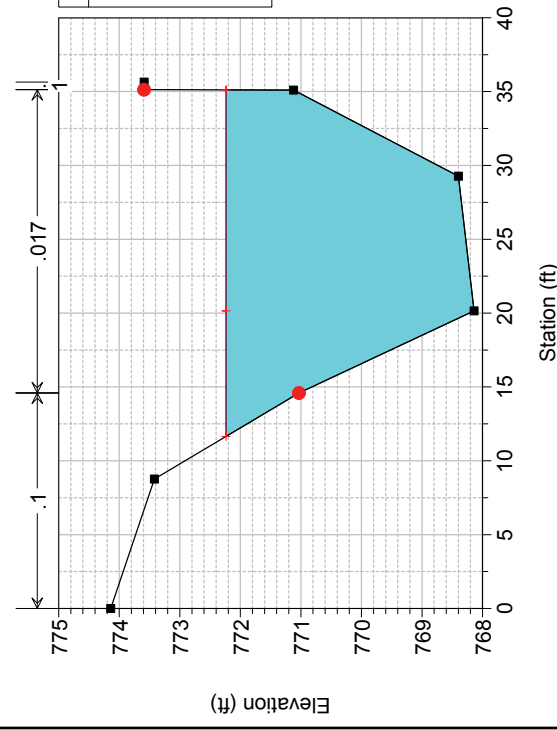
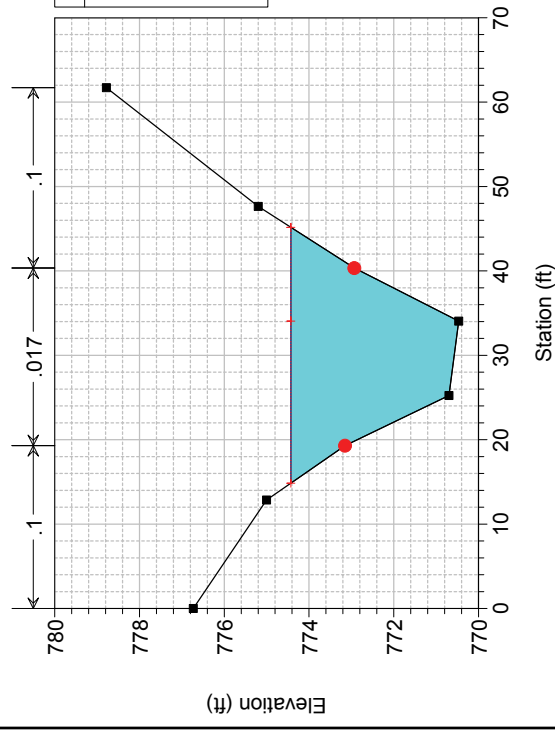
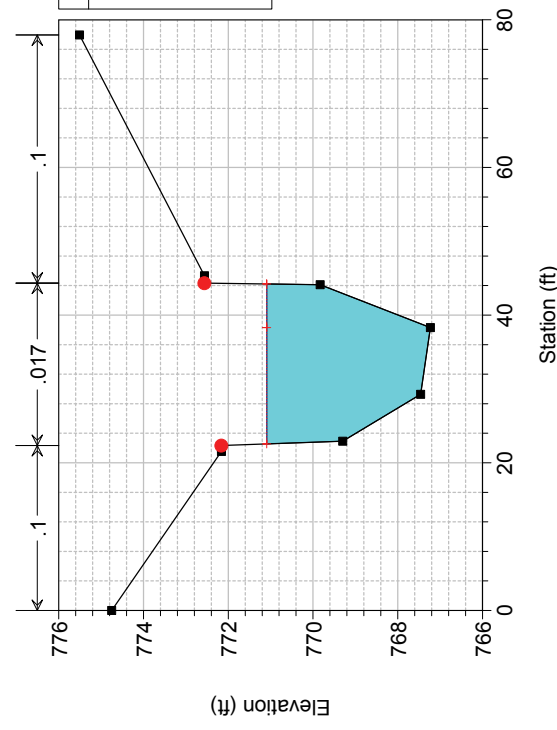
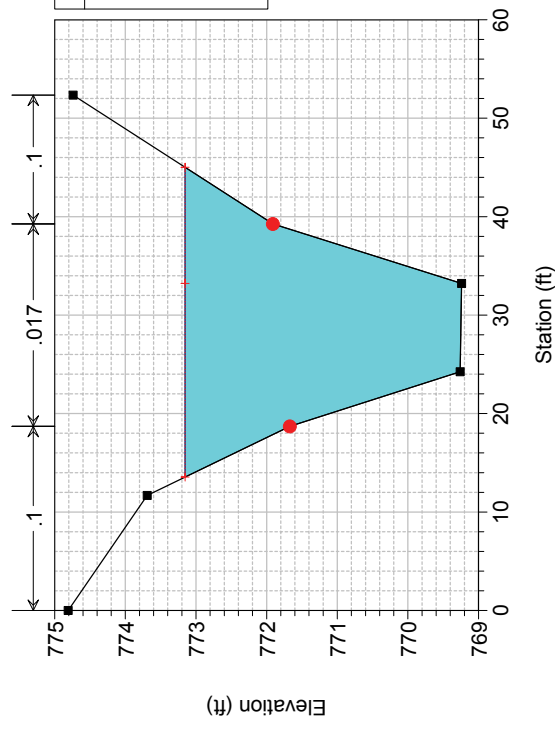


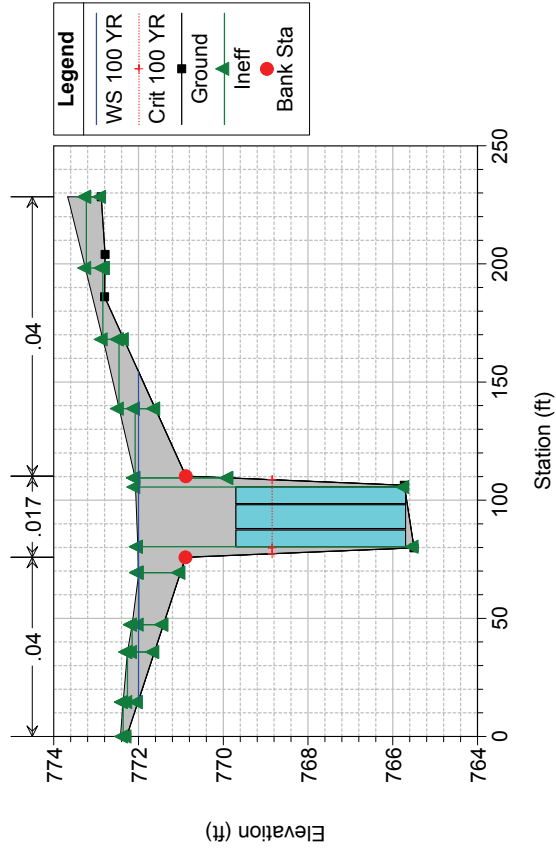
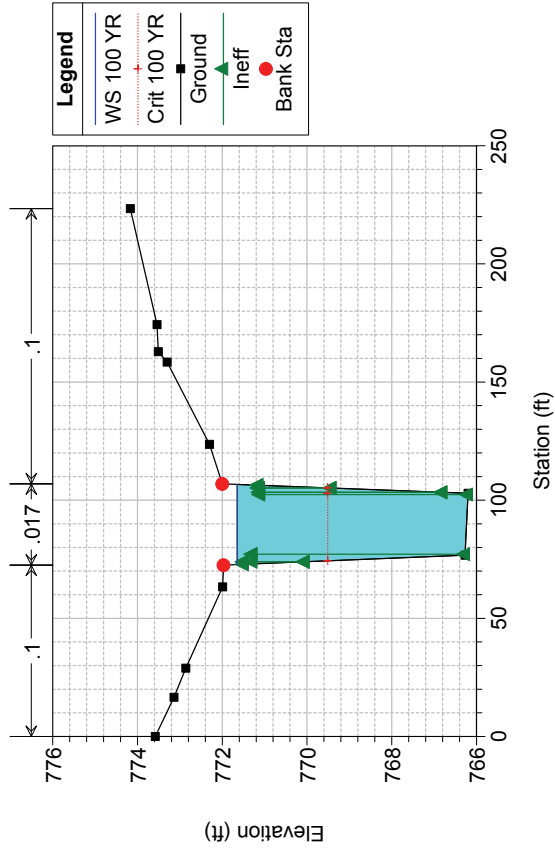
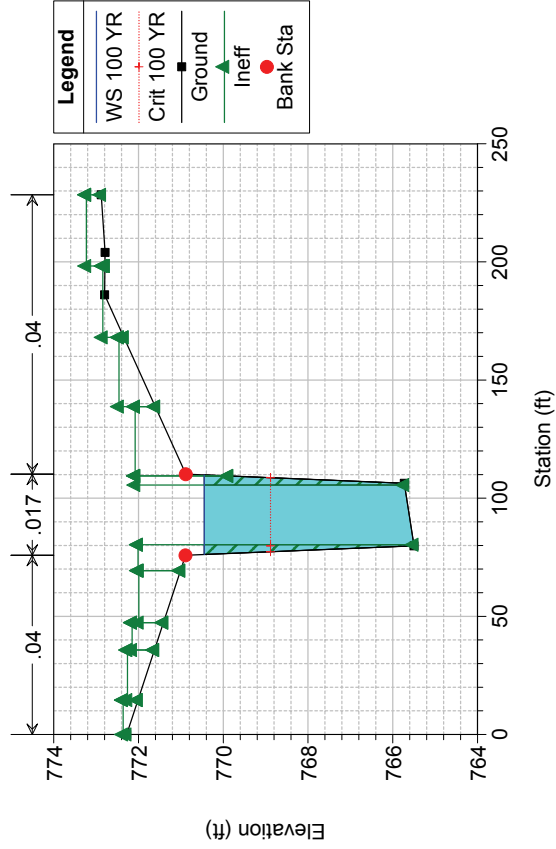
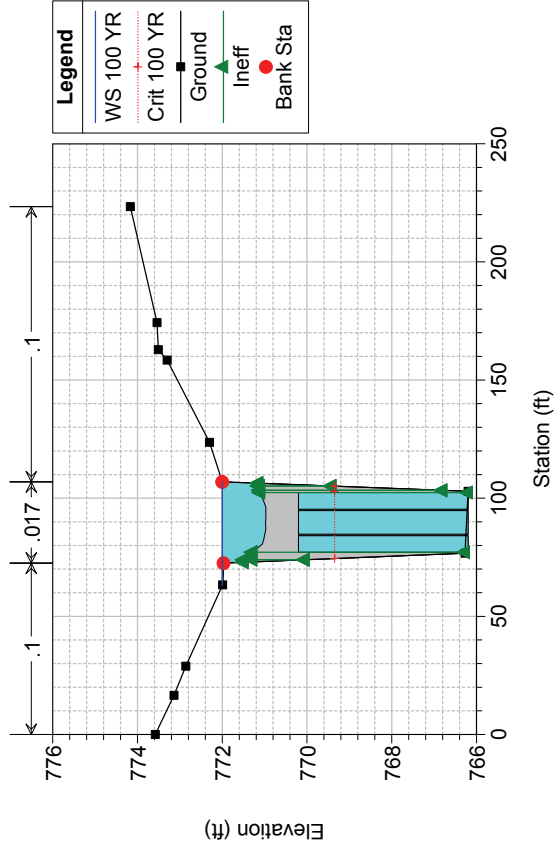


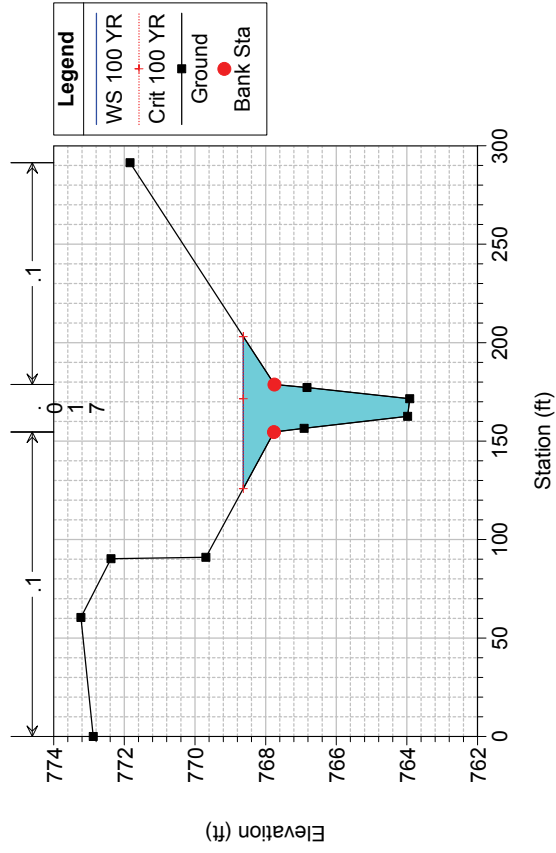
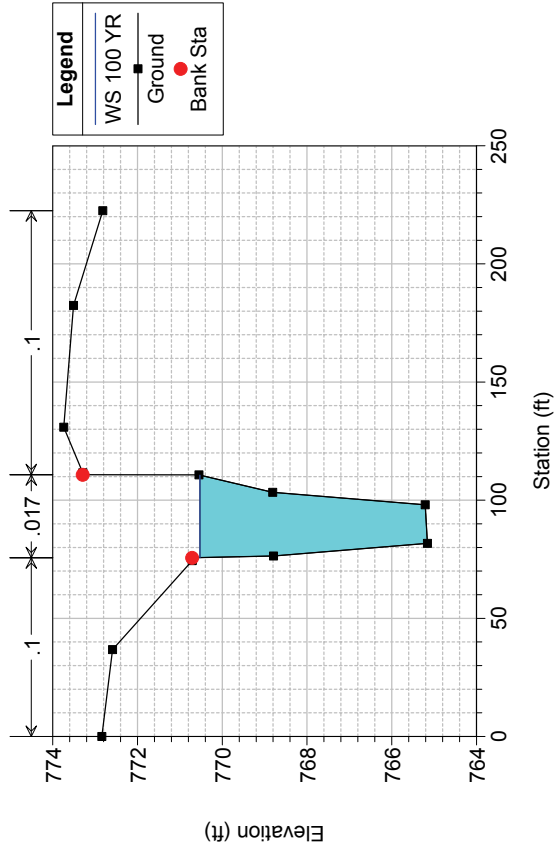
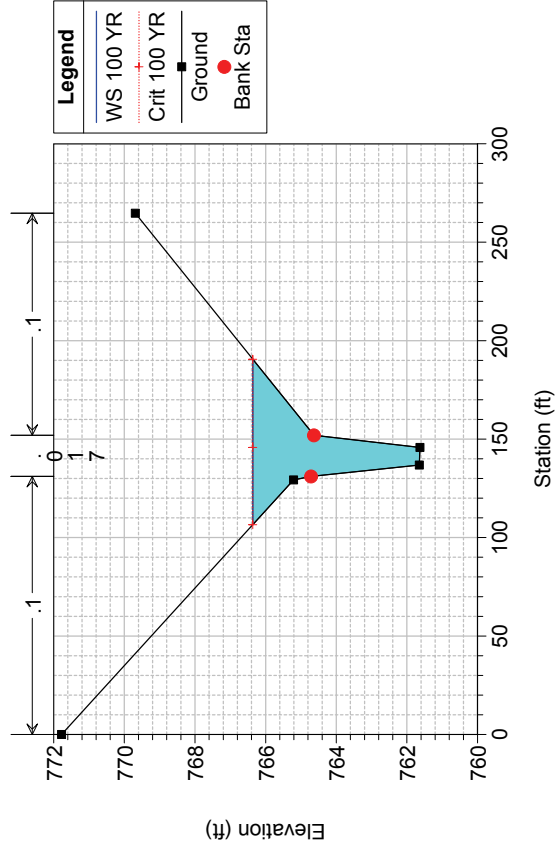
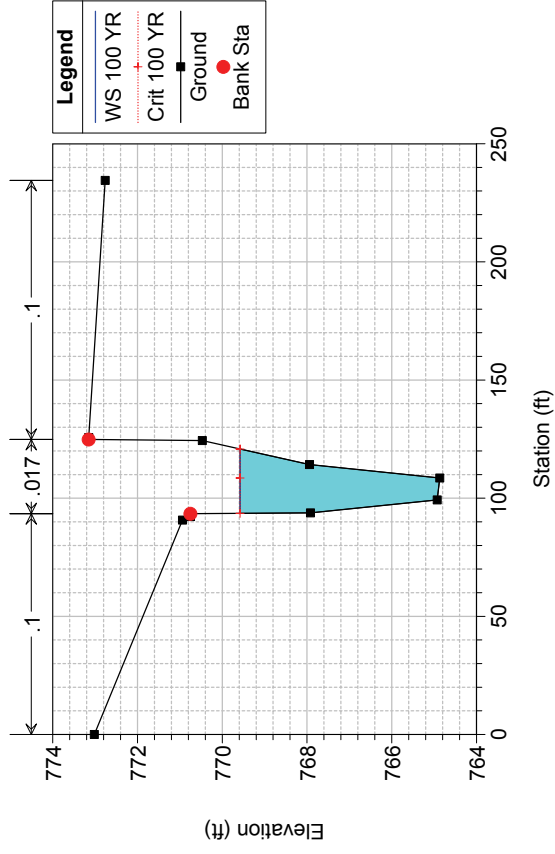




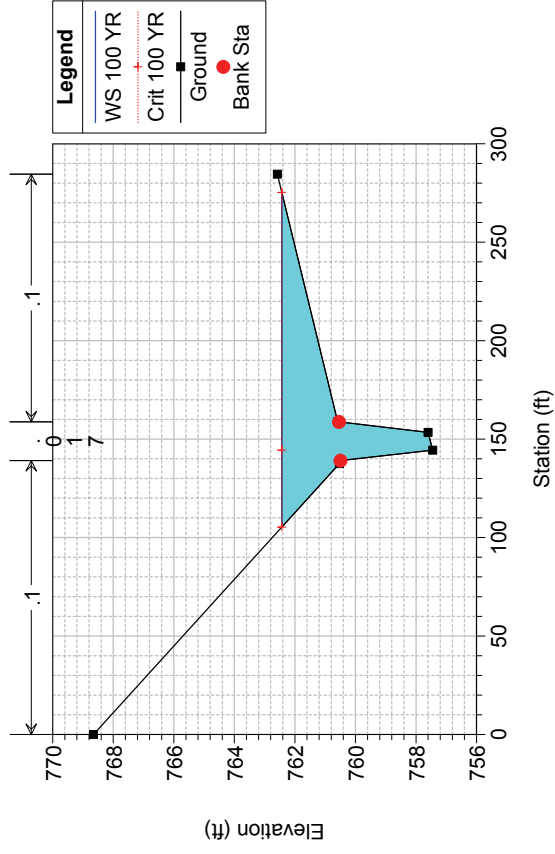




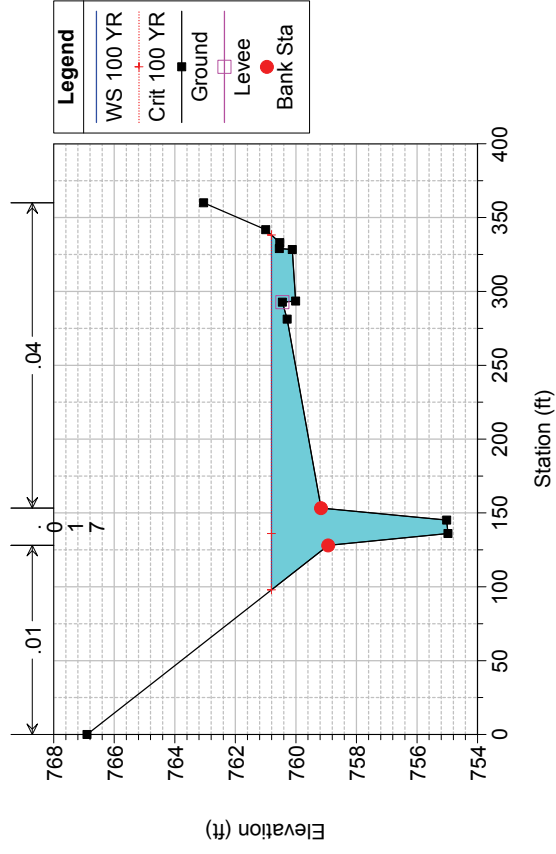




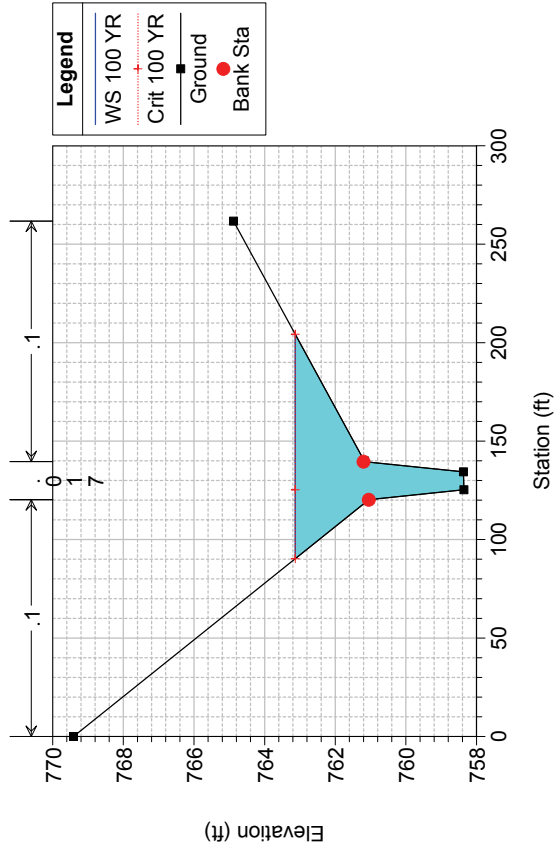
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



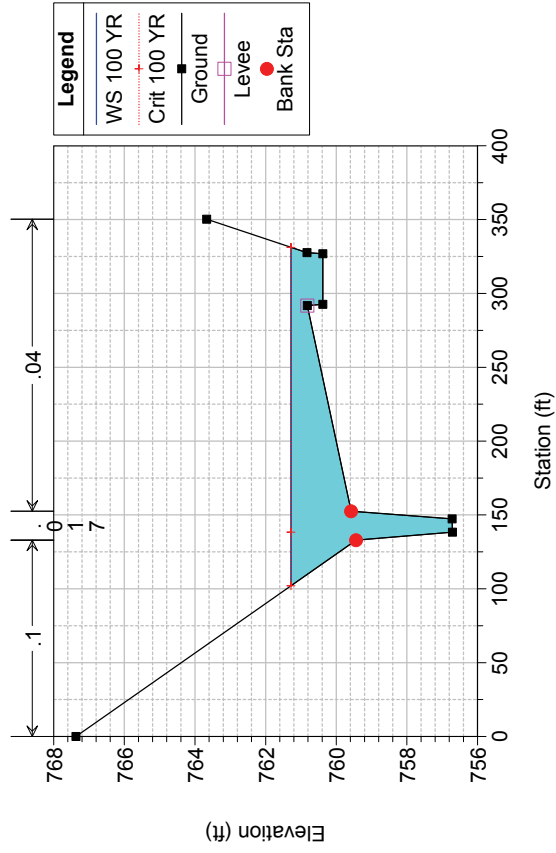
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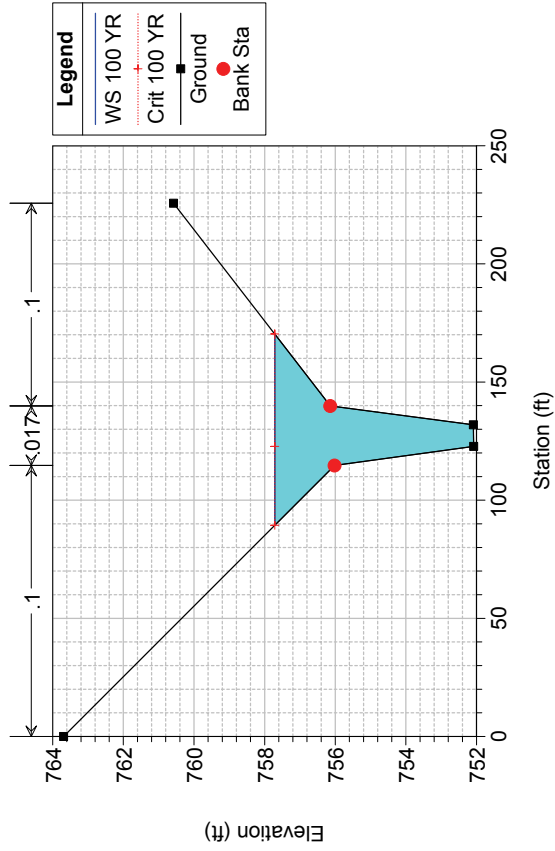
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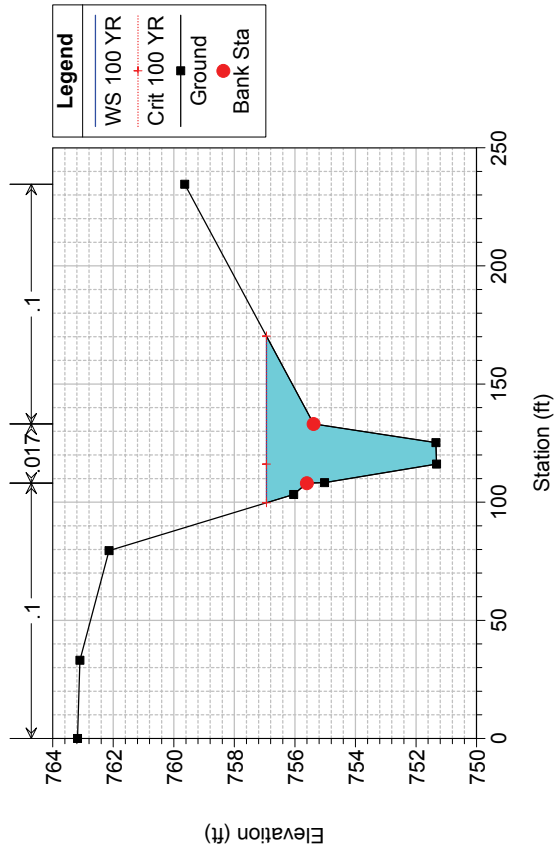
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



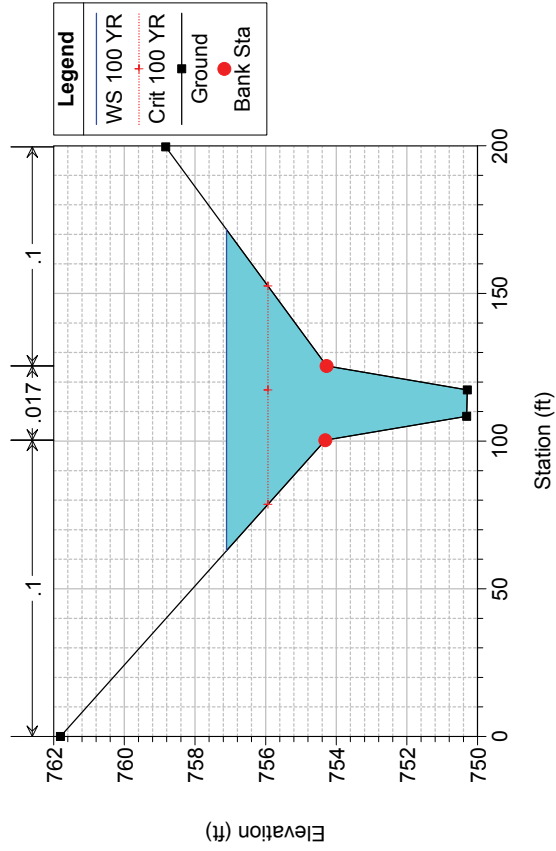
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



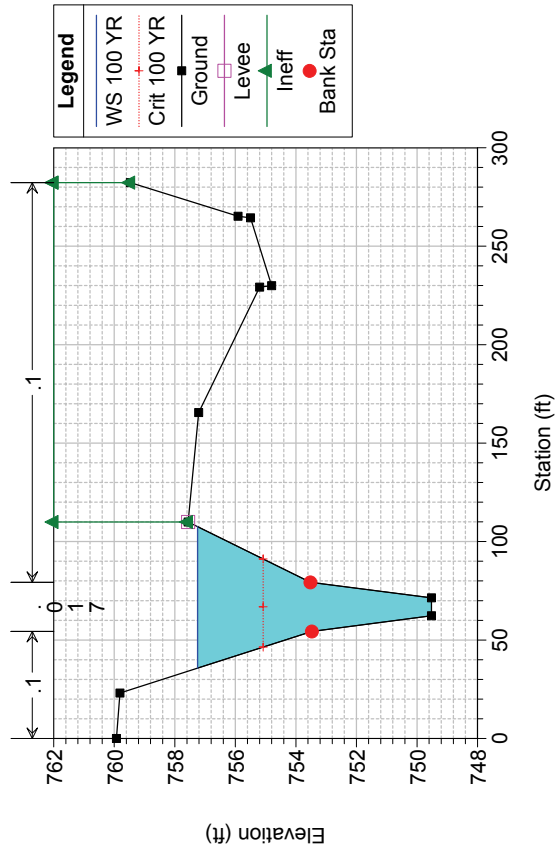
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



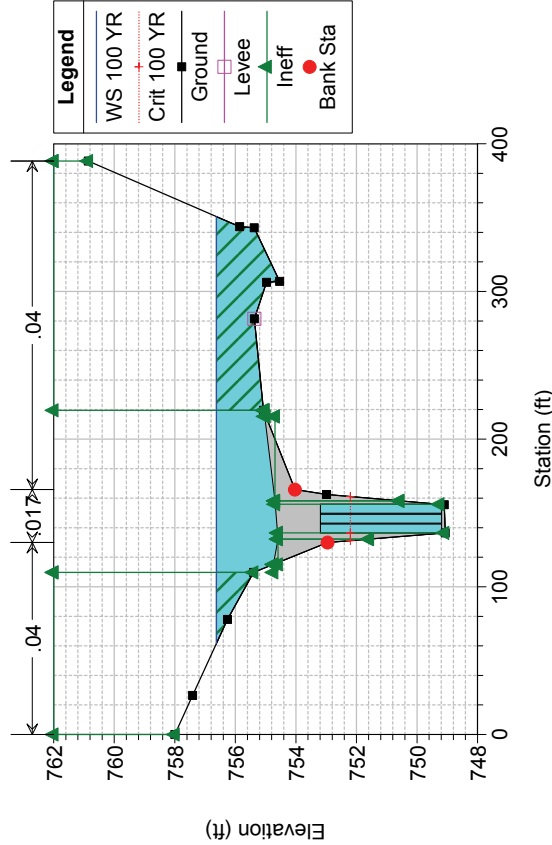
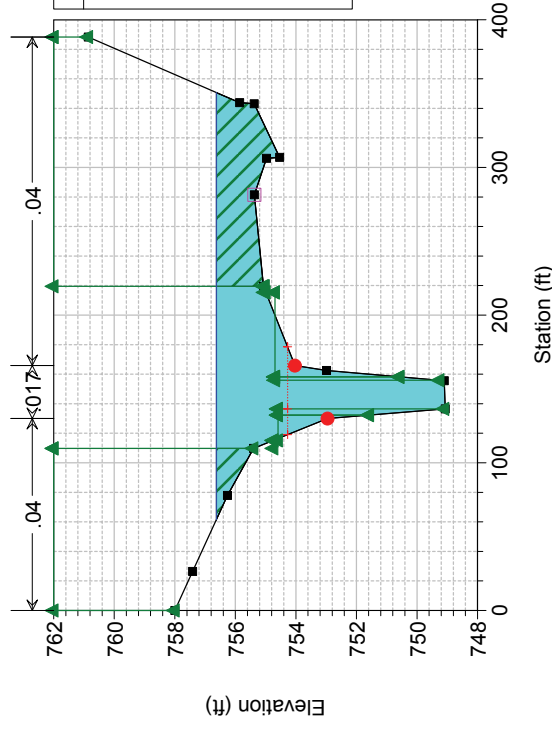
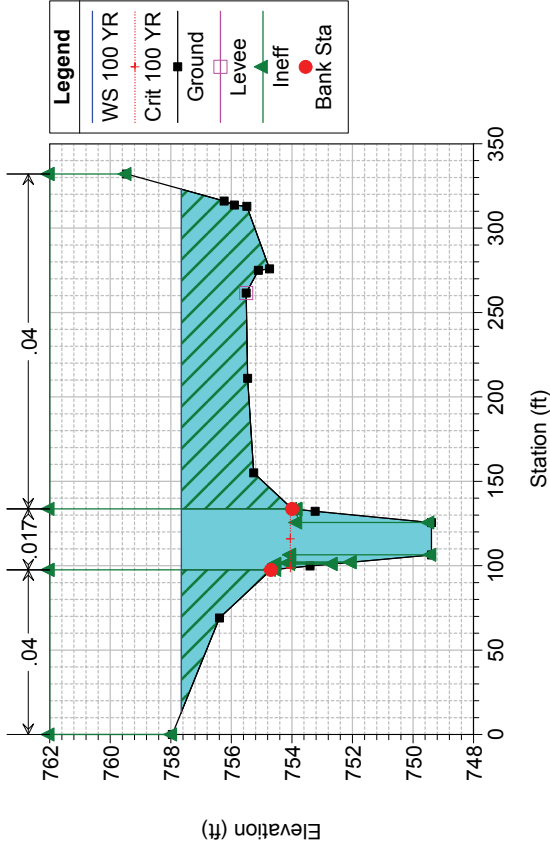
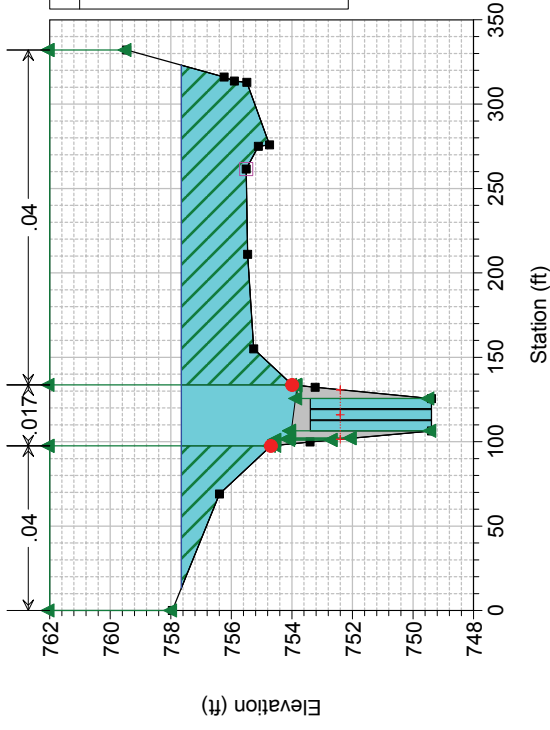
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

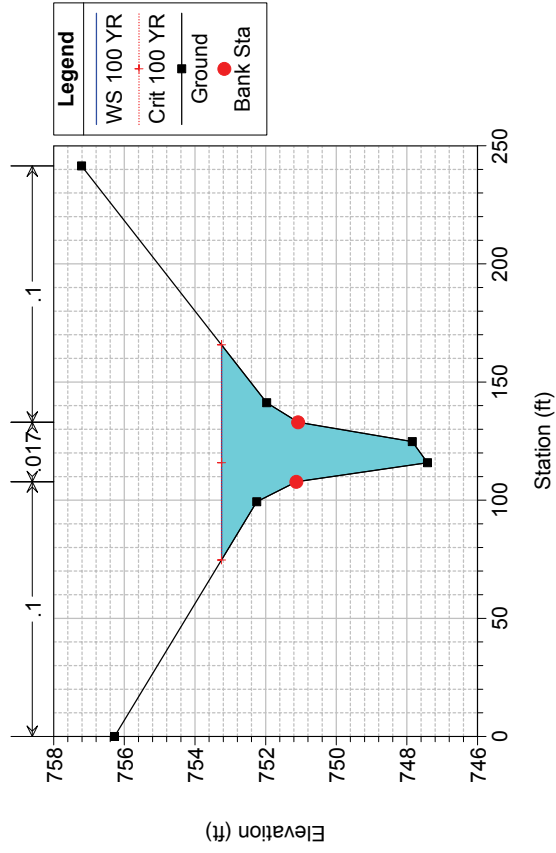
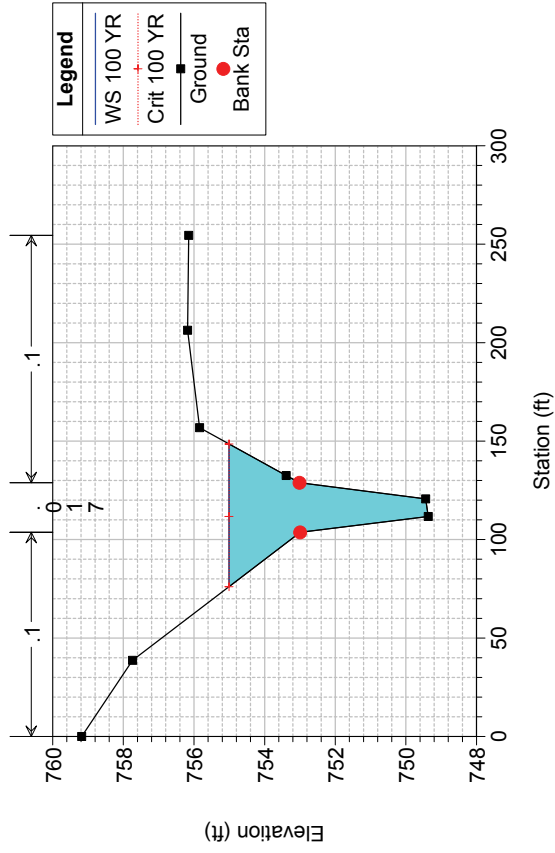
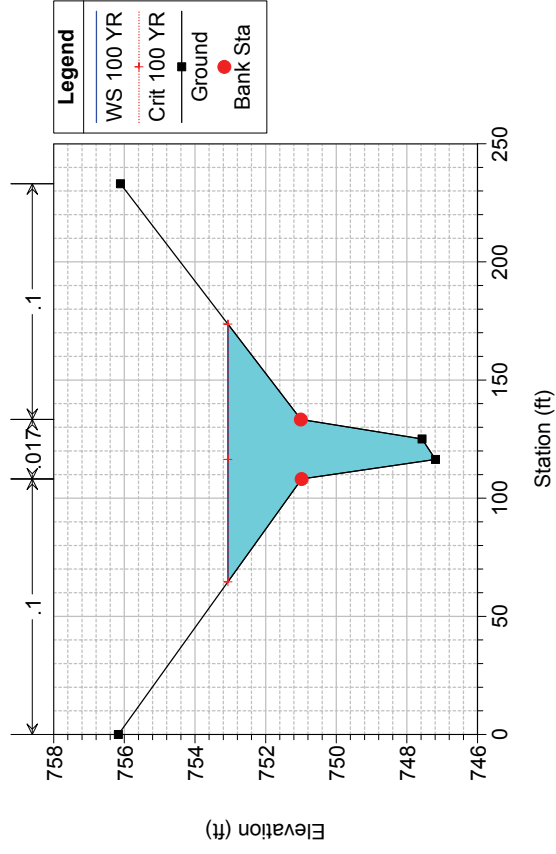
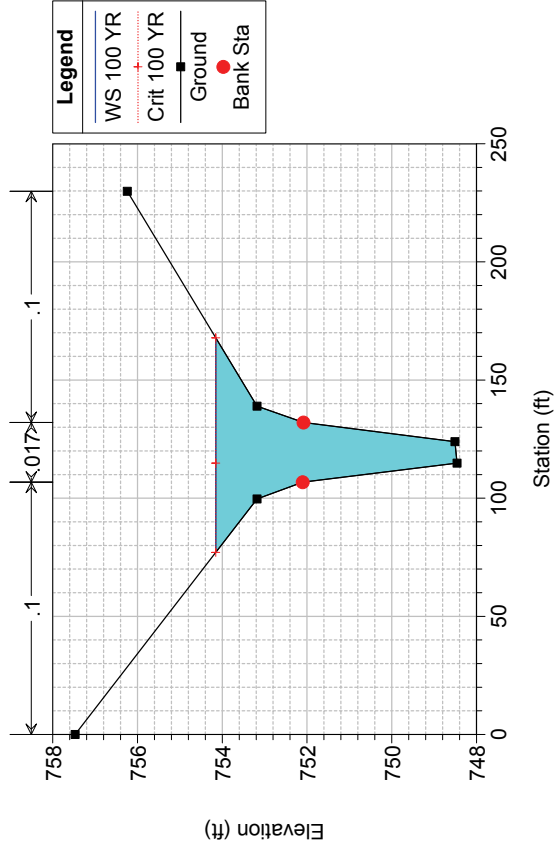


Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

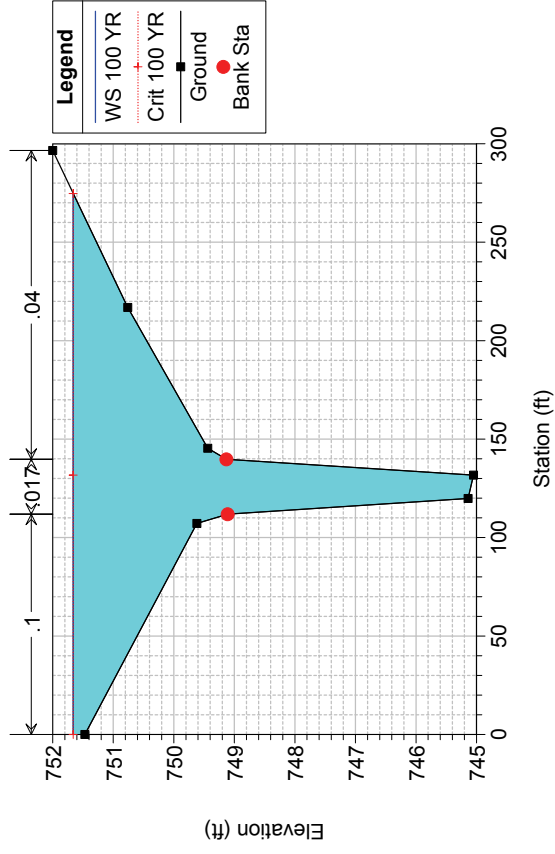




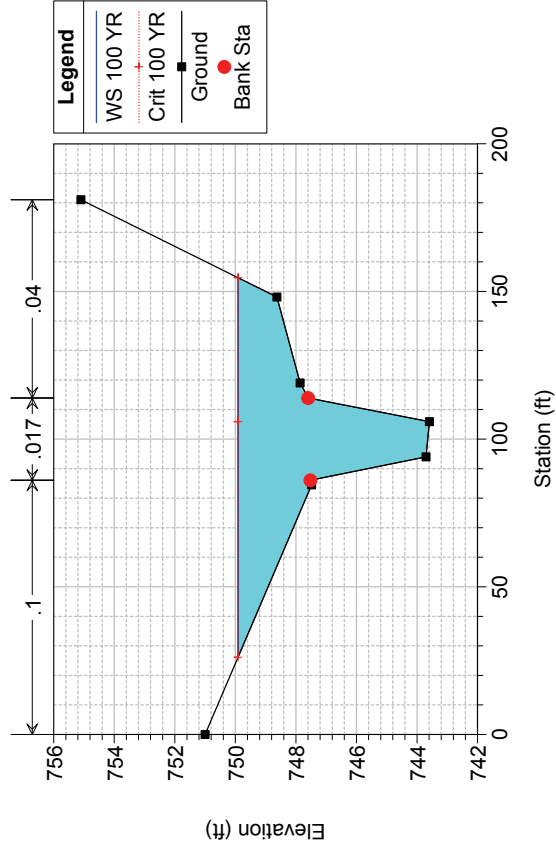




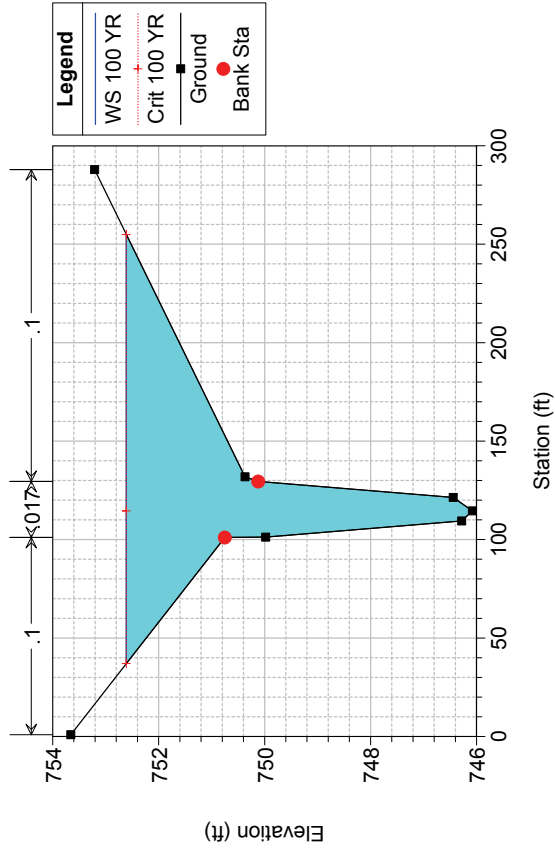
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



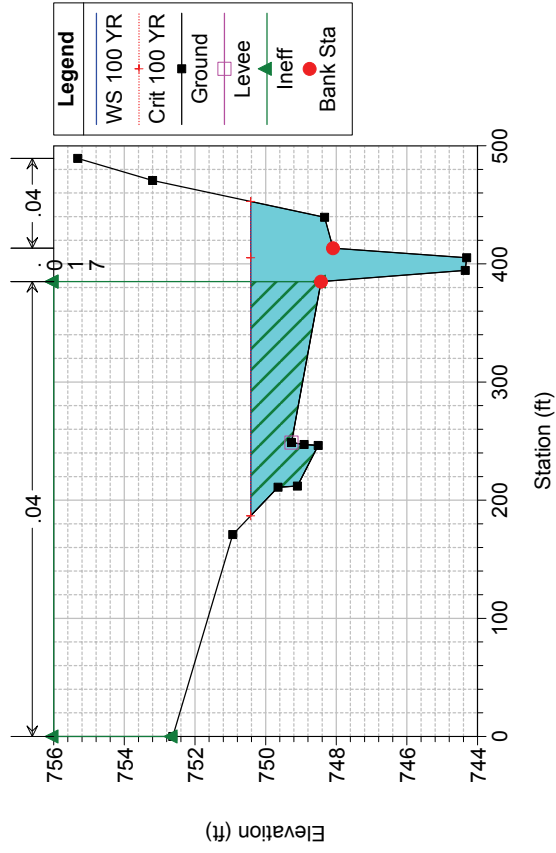
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



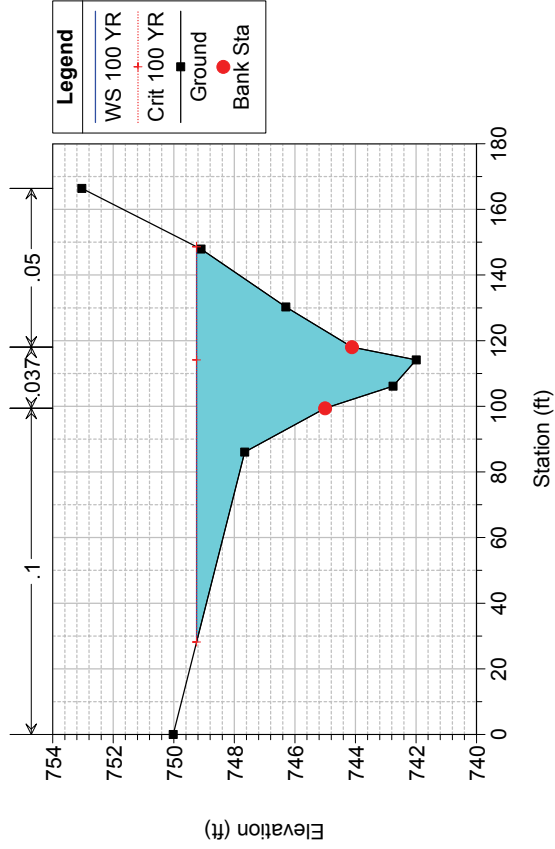
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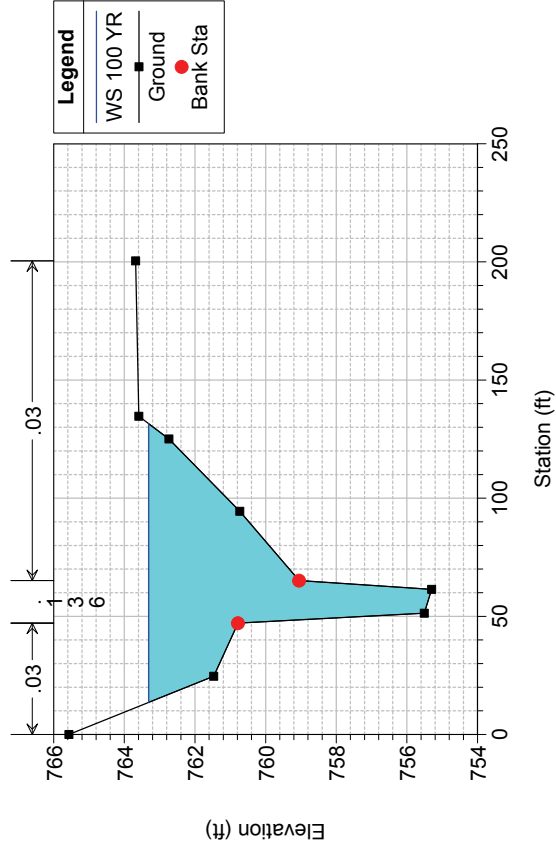
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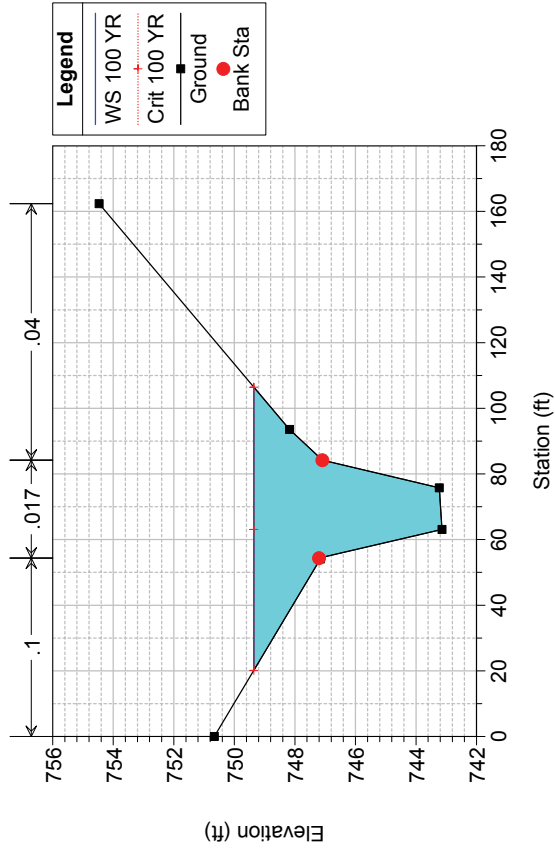
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



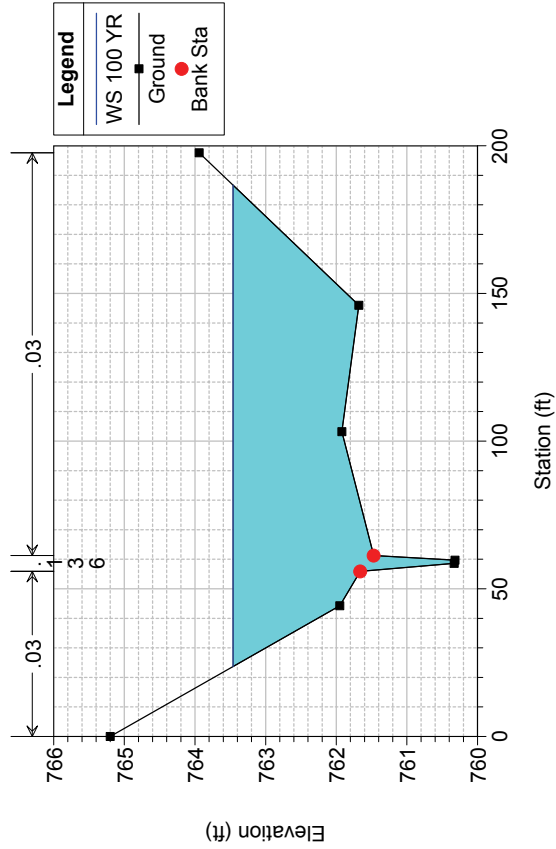
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

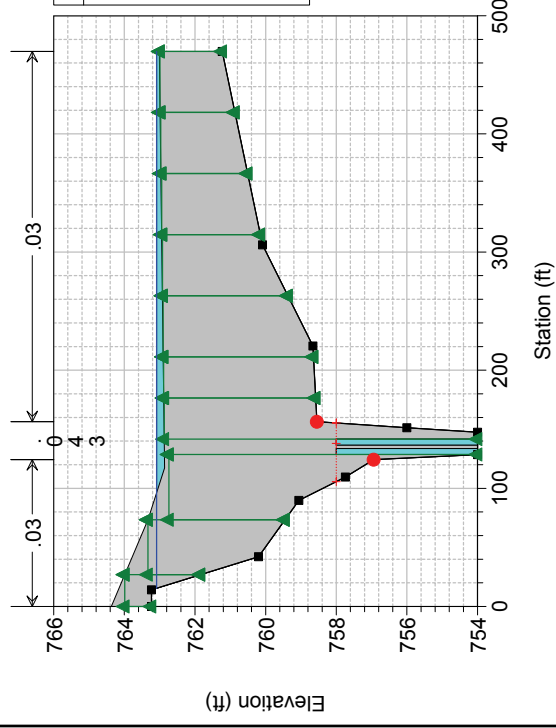
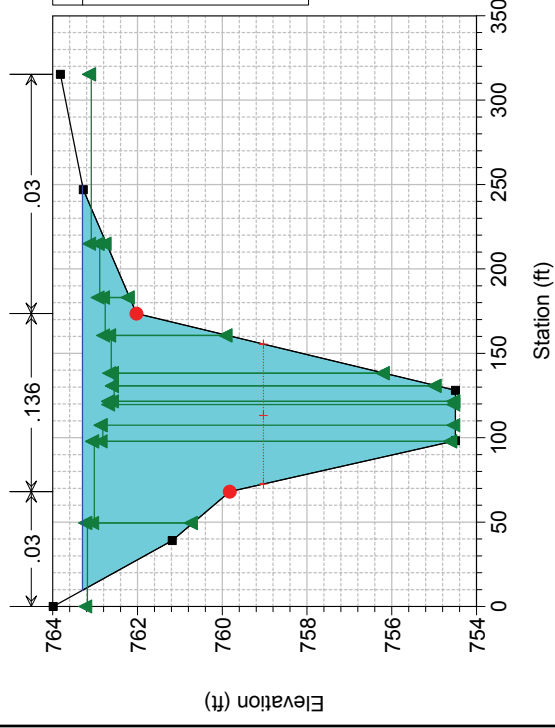
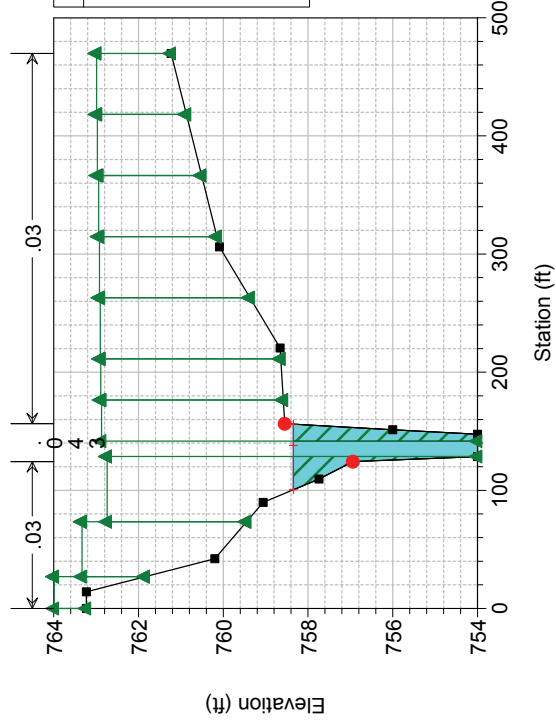
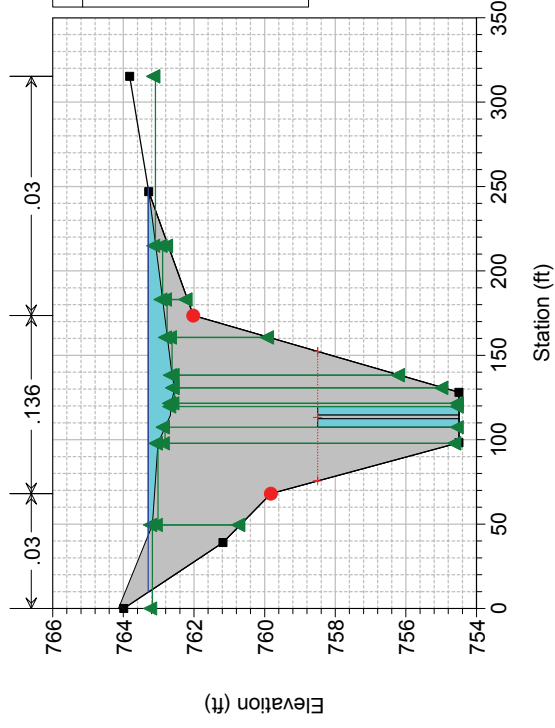


Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

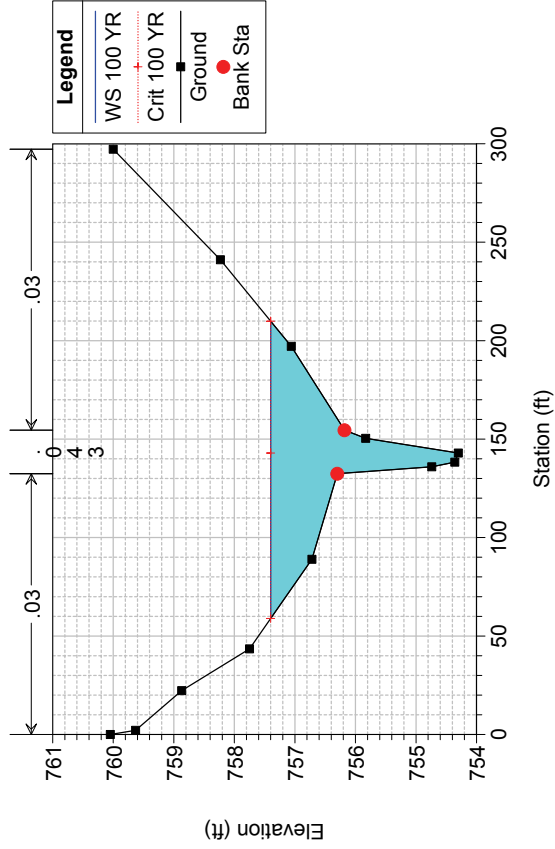


Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

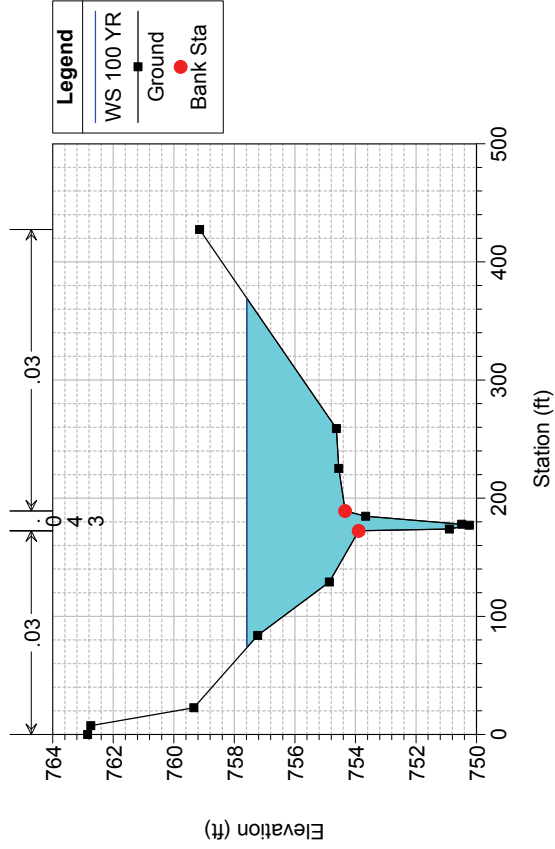




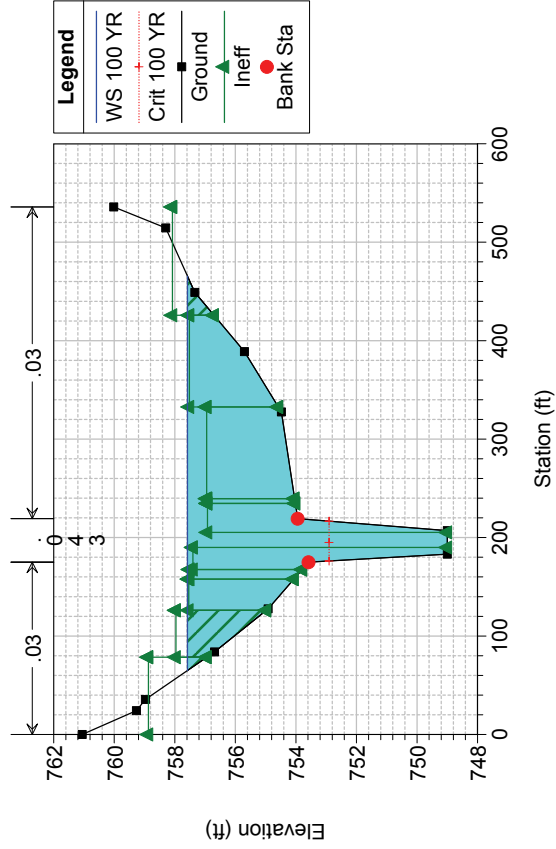
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



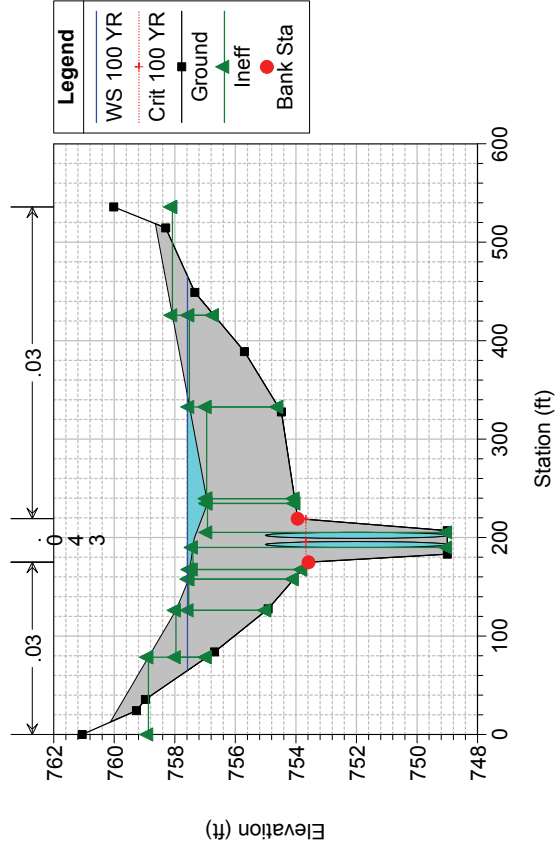
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

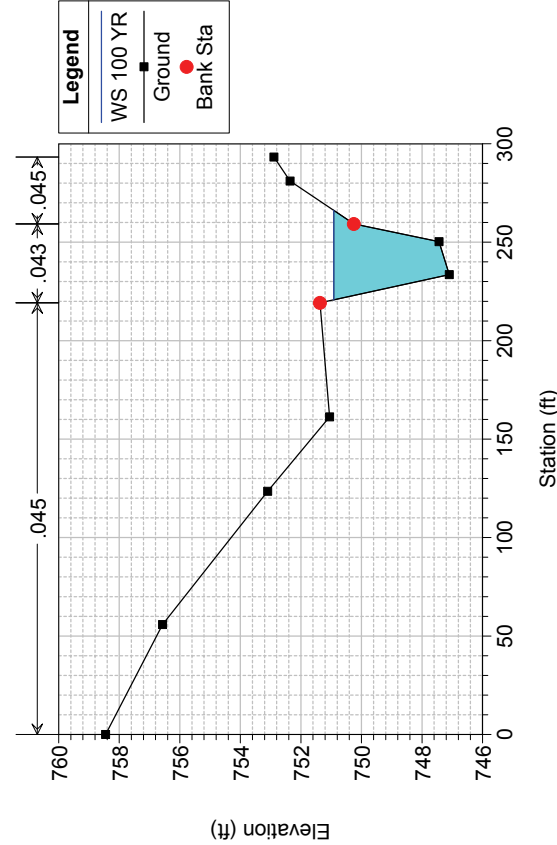
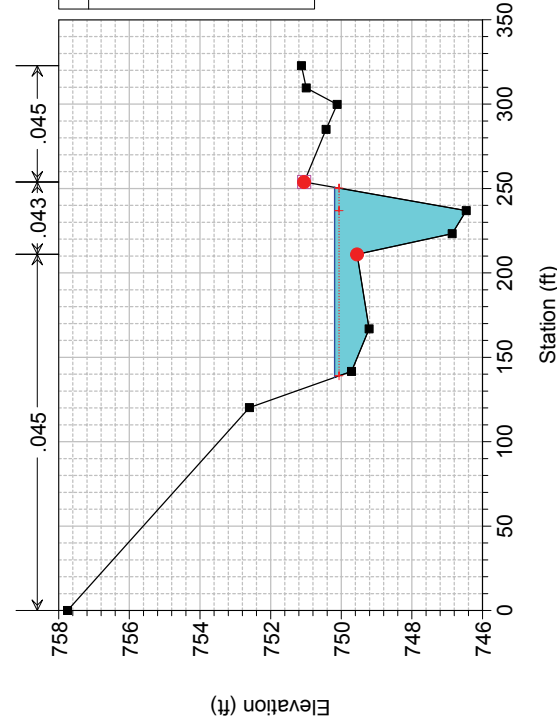
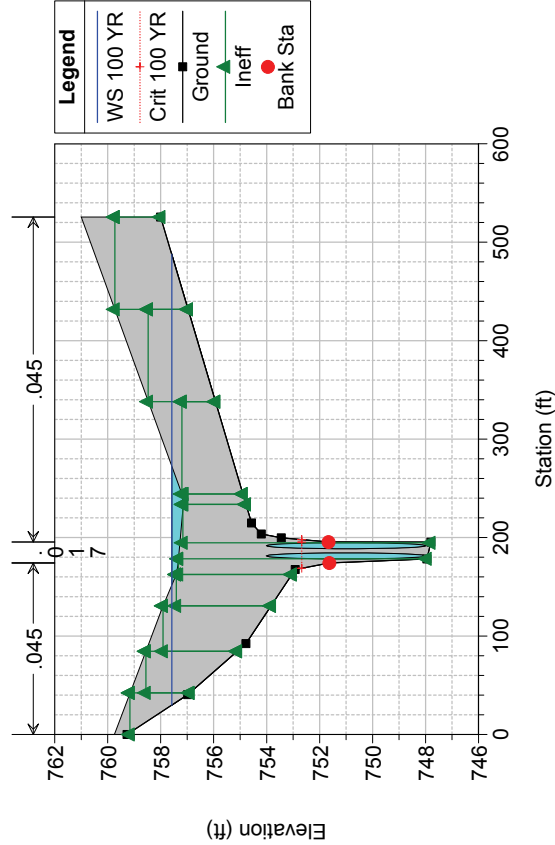
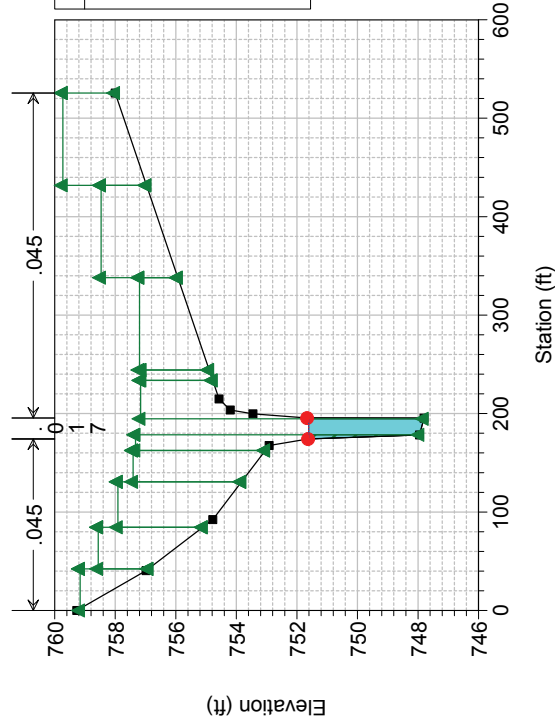


Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

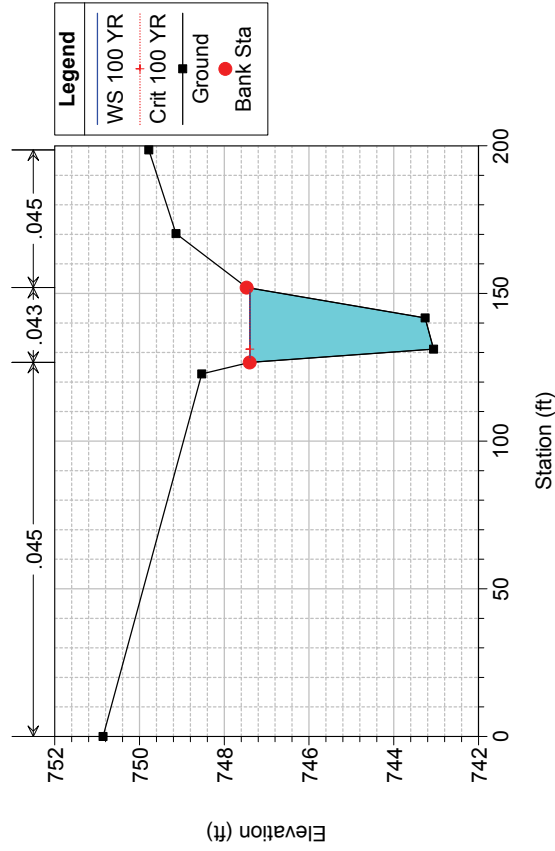


Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

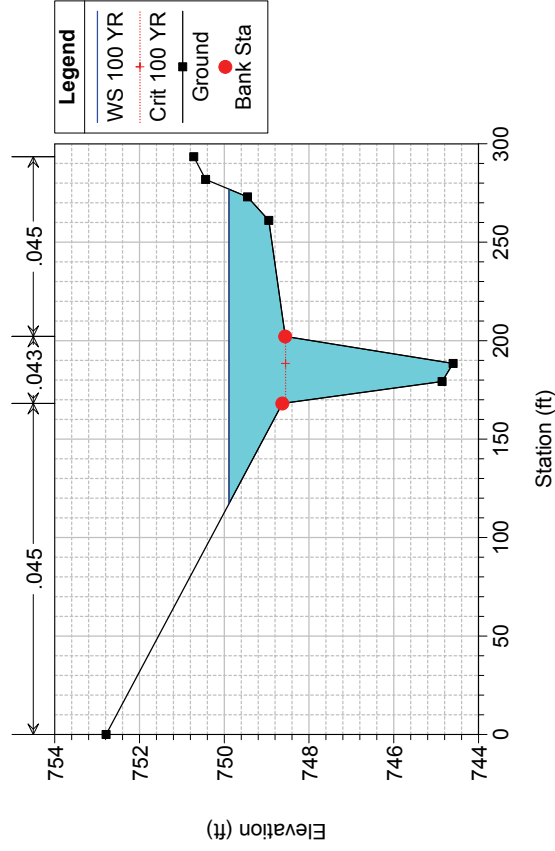




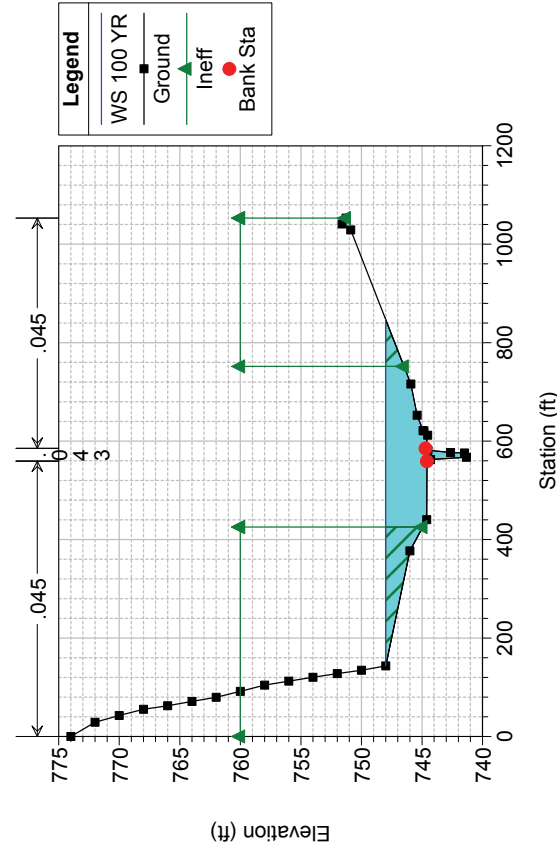
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



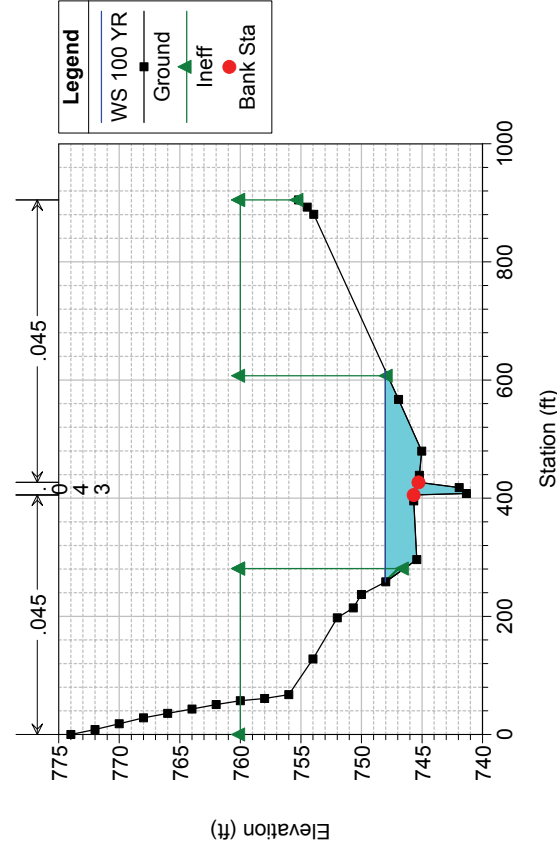
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



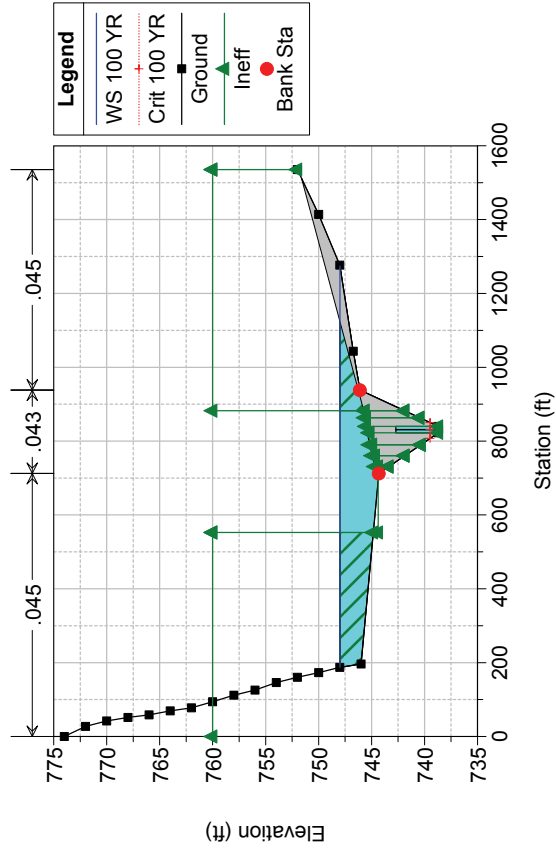
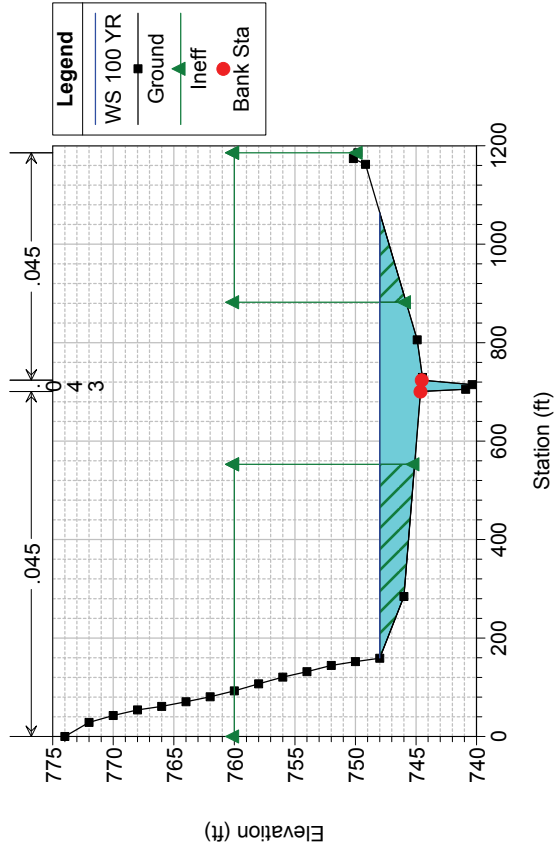
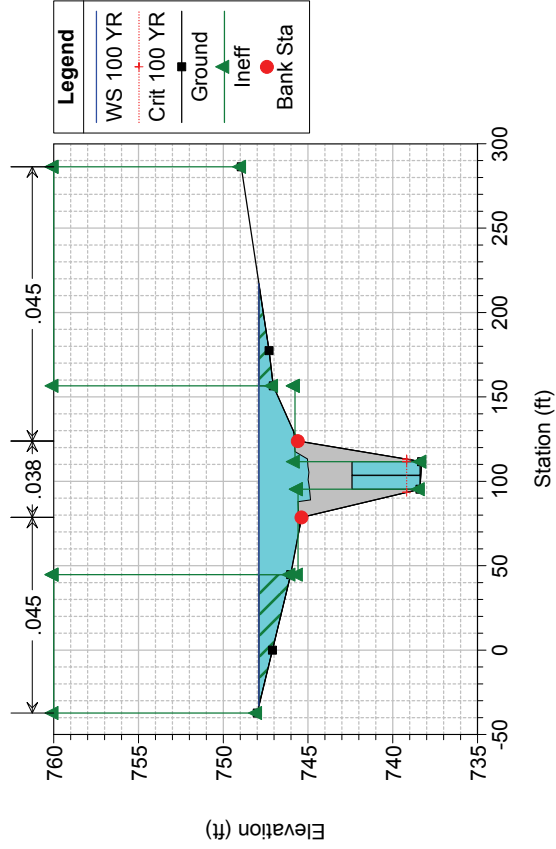
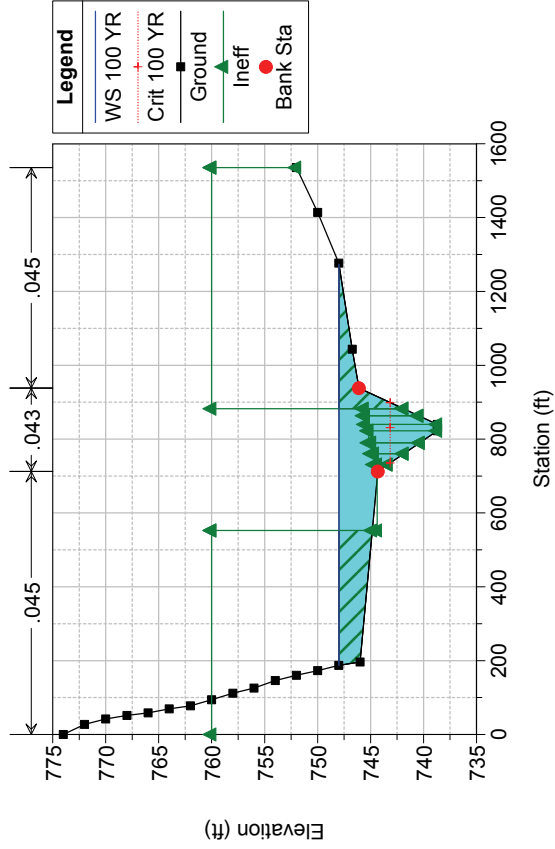
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

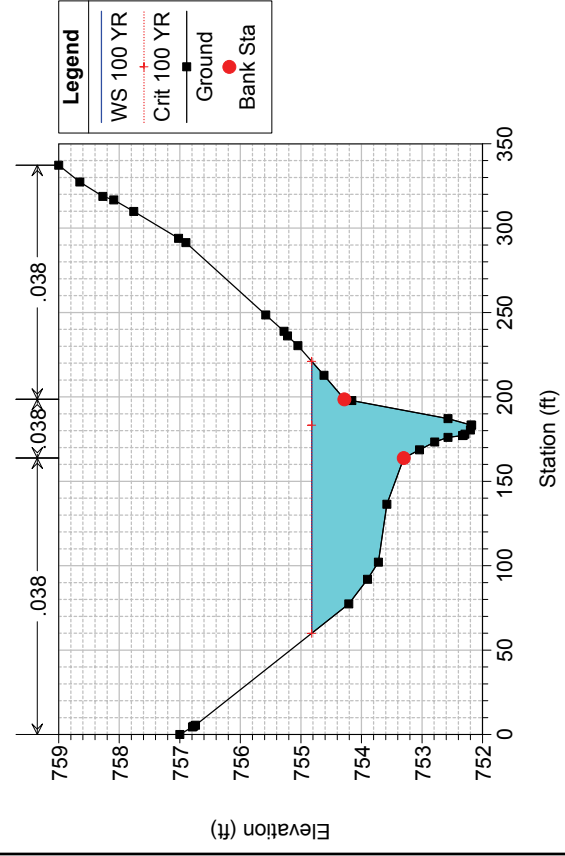
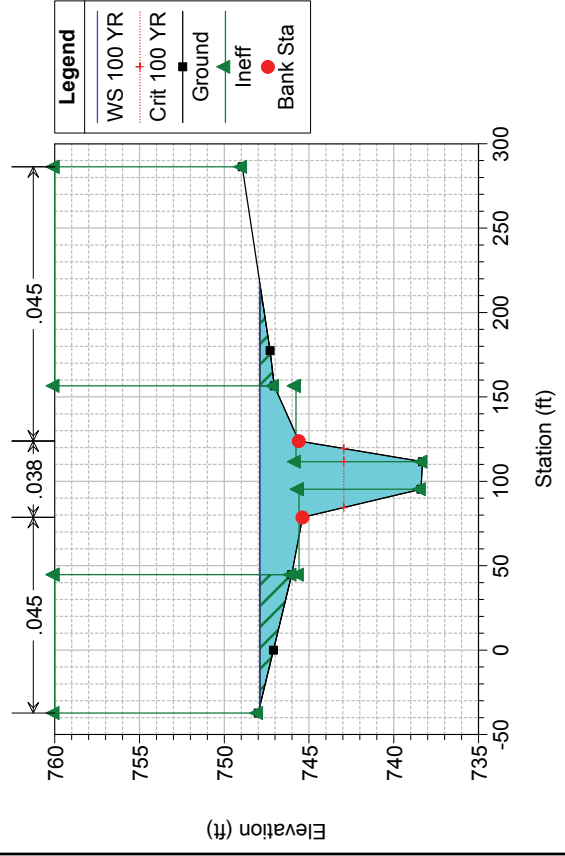
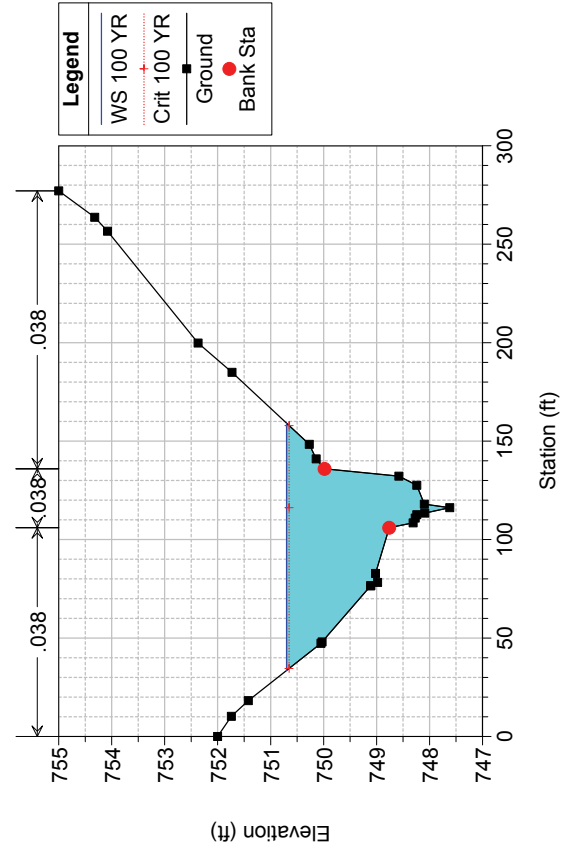
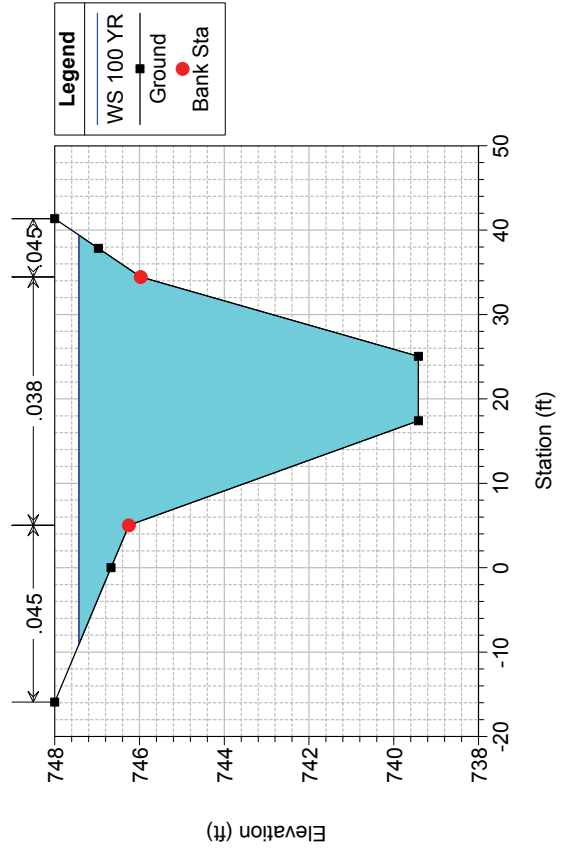


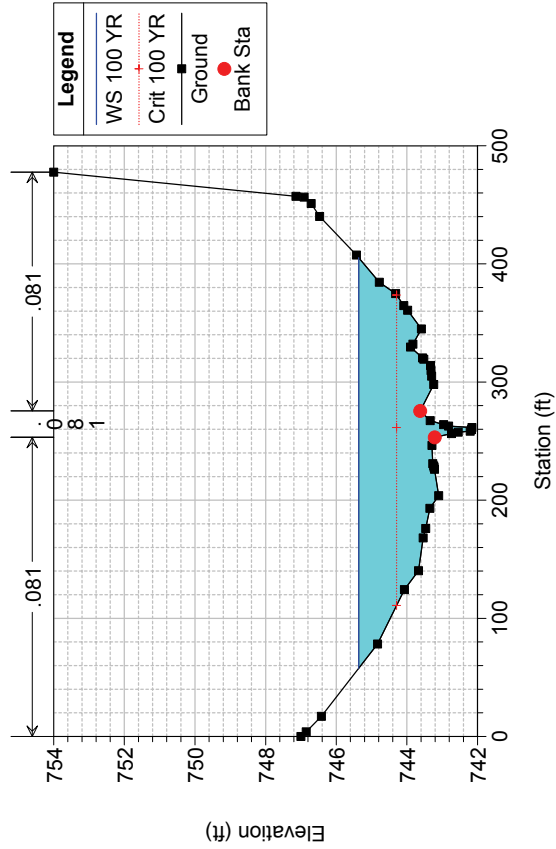
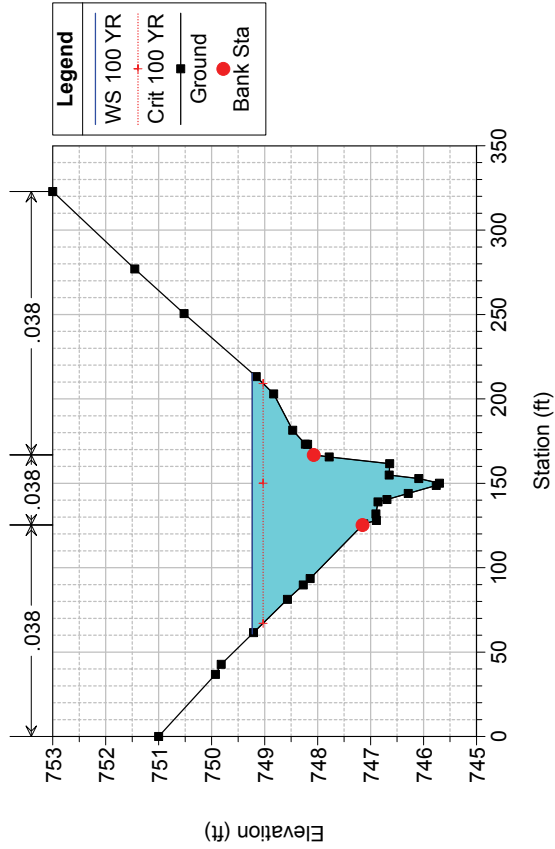
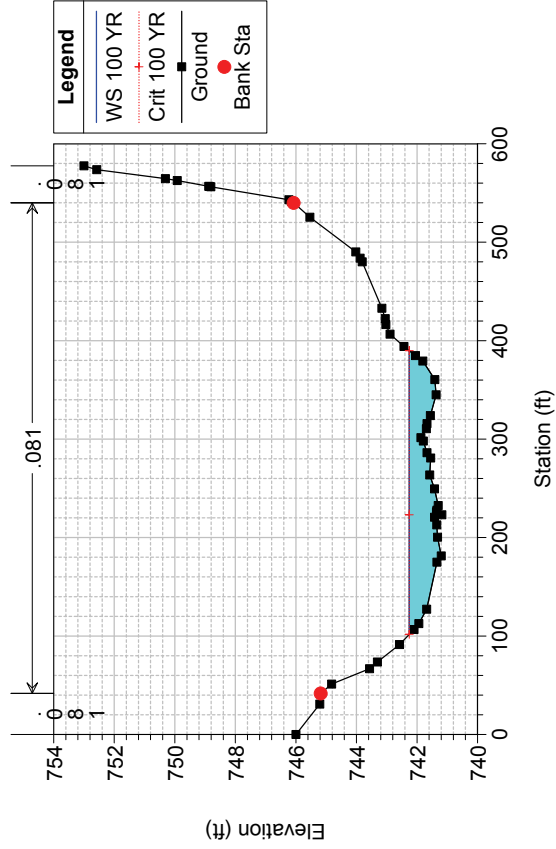
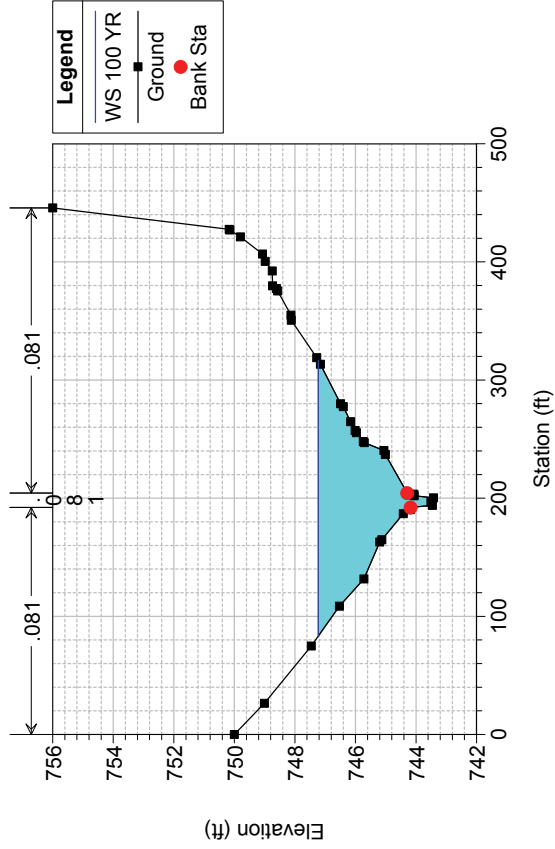
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

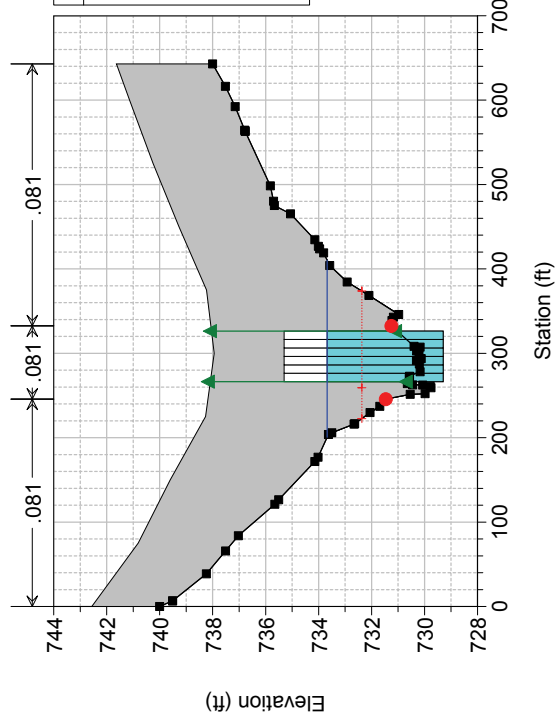
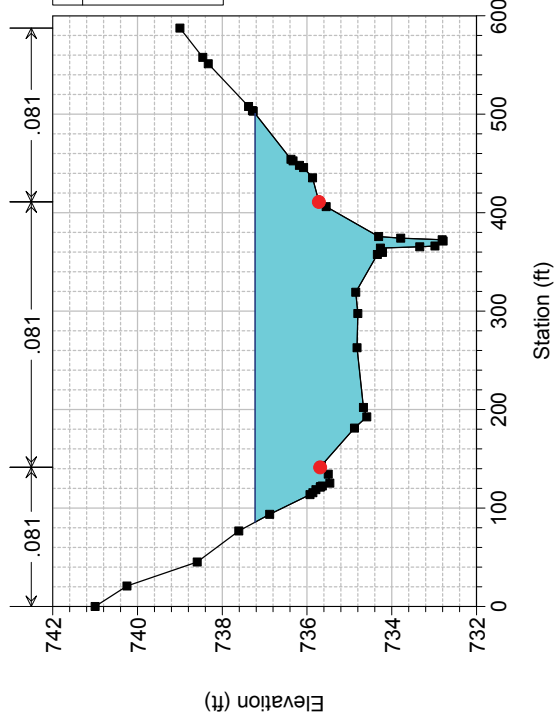
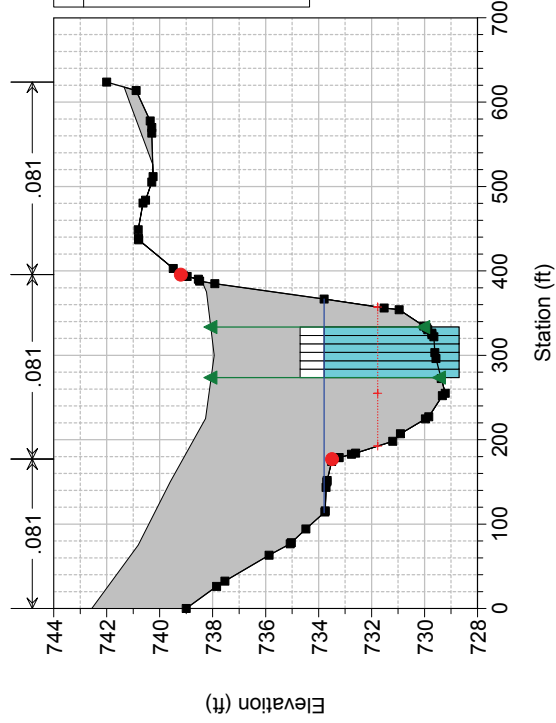
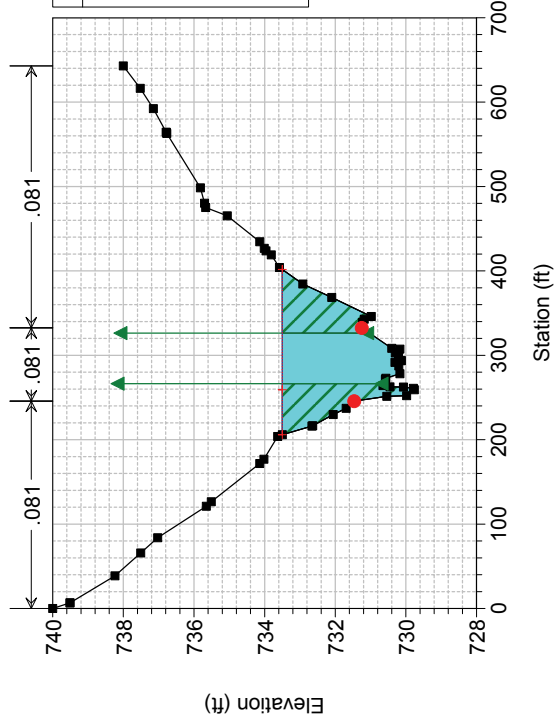


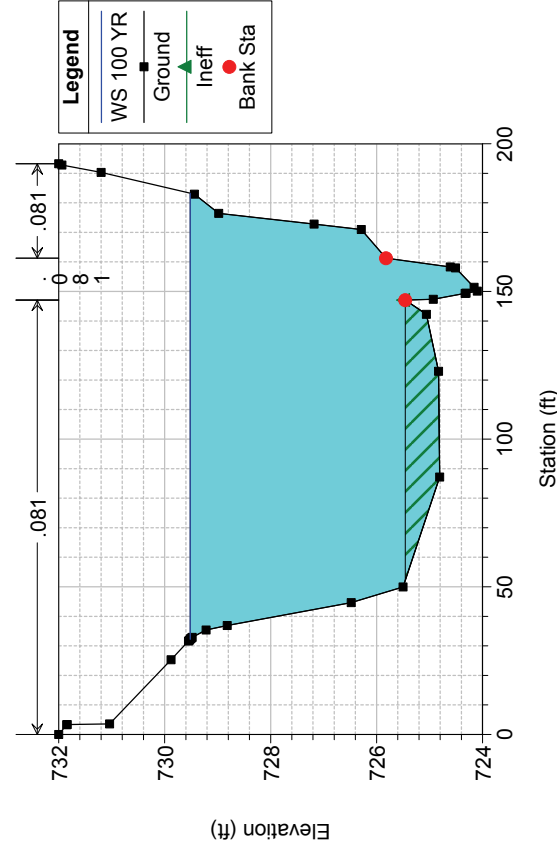
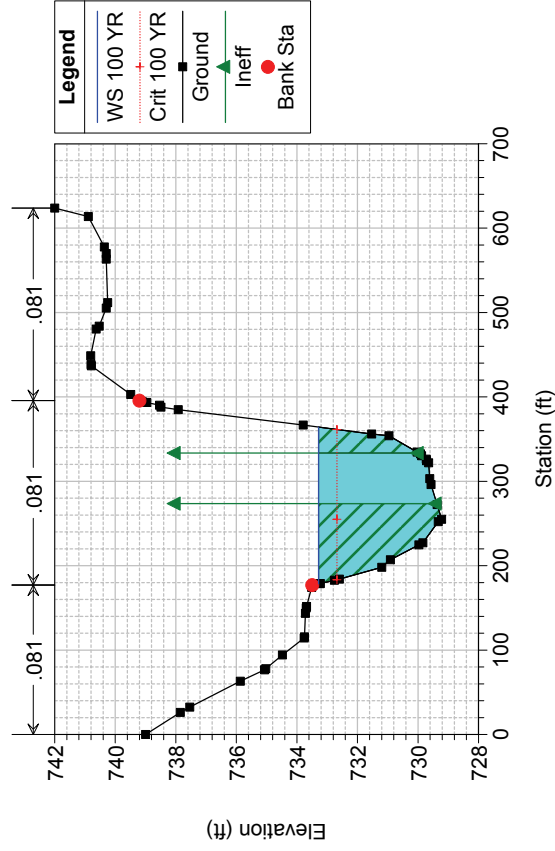
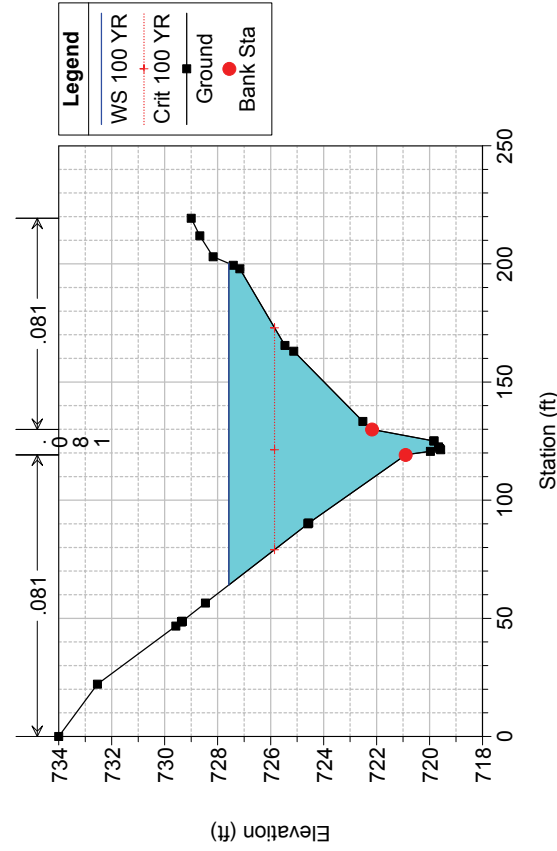
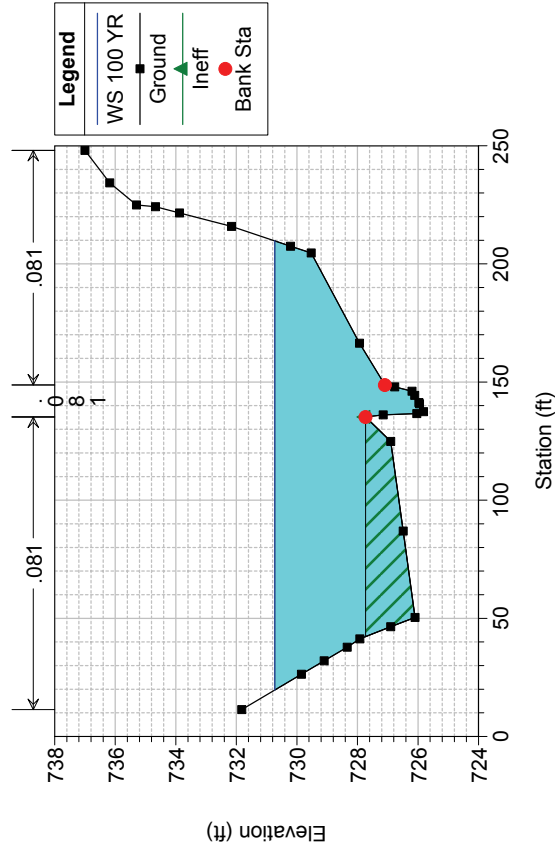




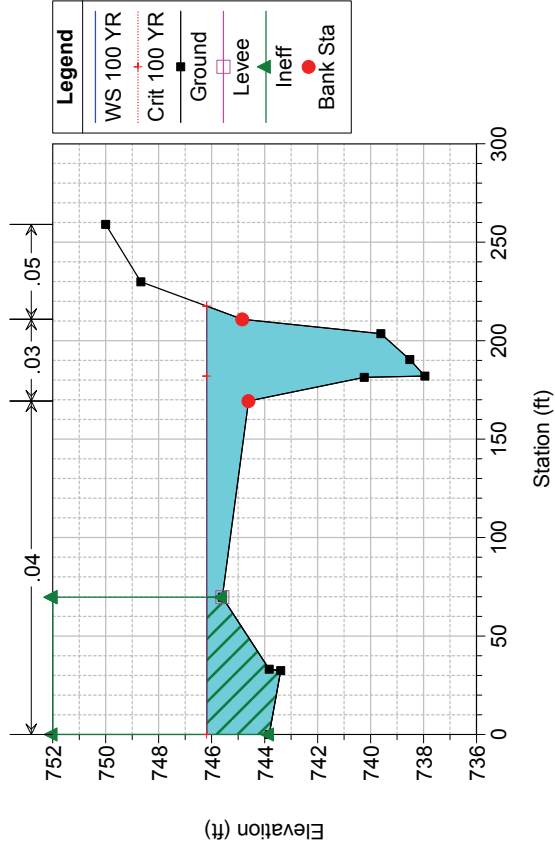




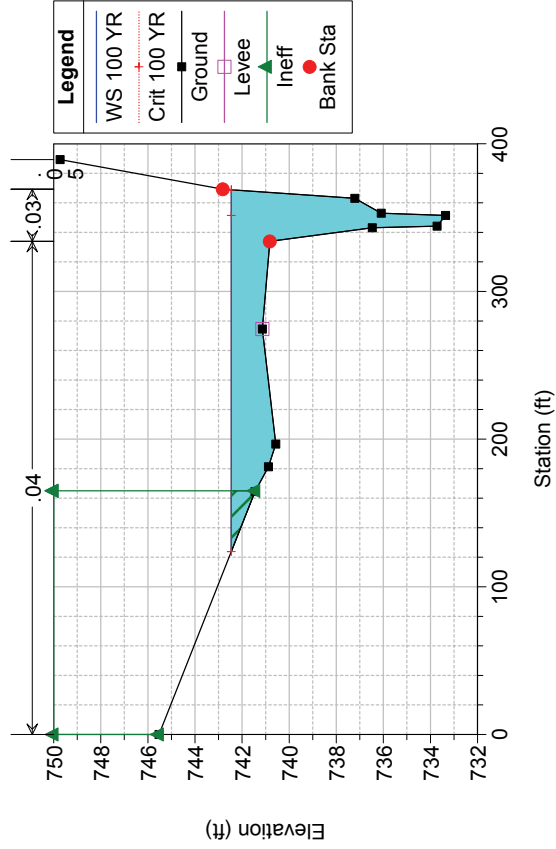




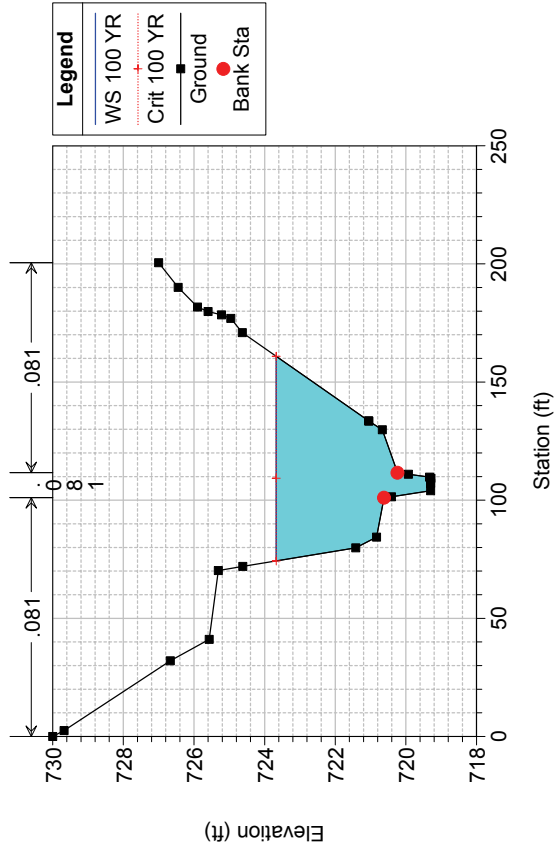
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



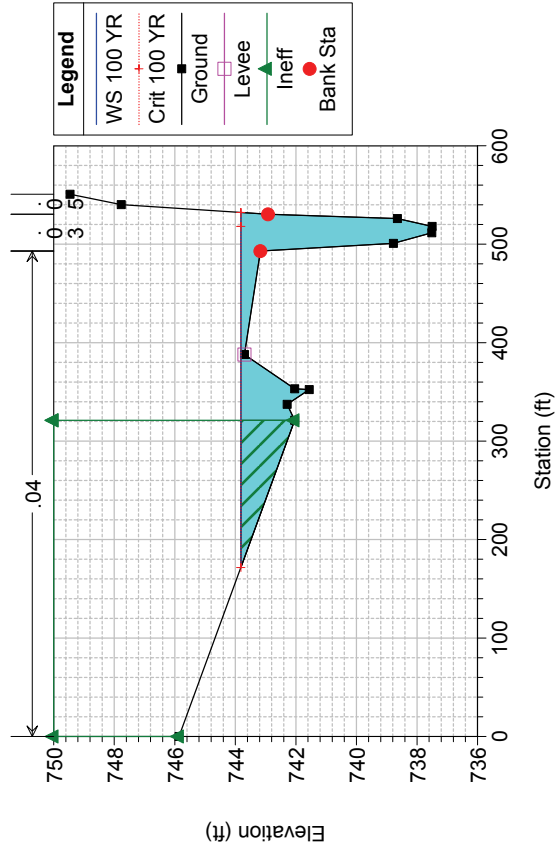
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



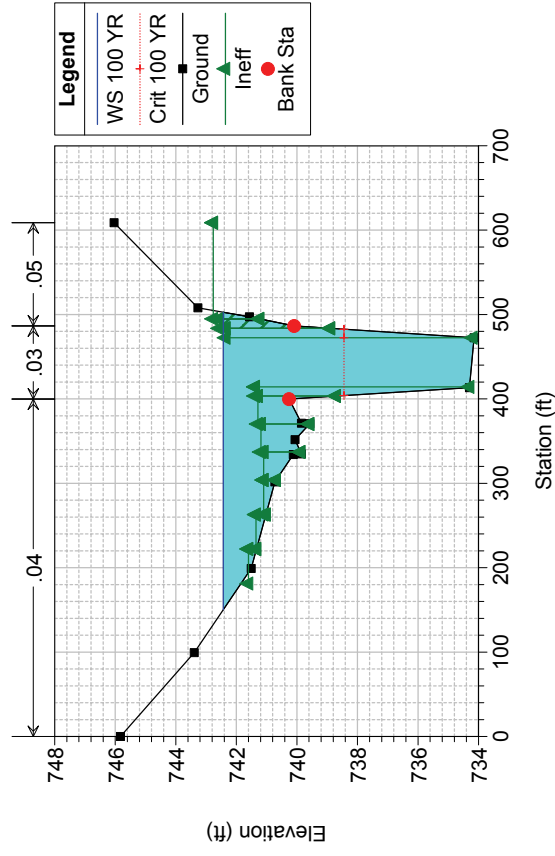
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014



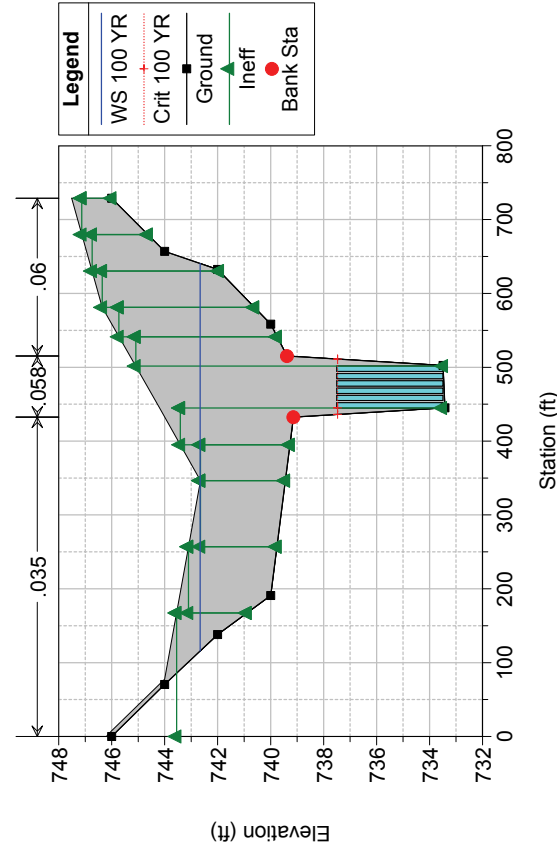
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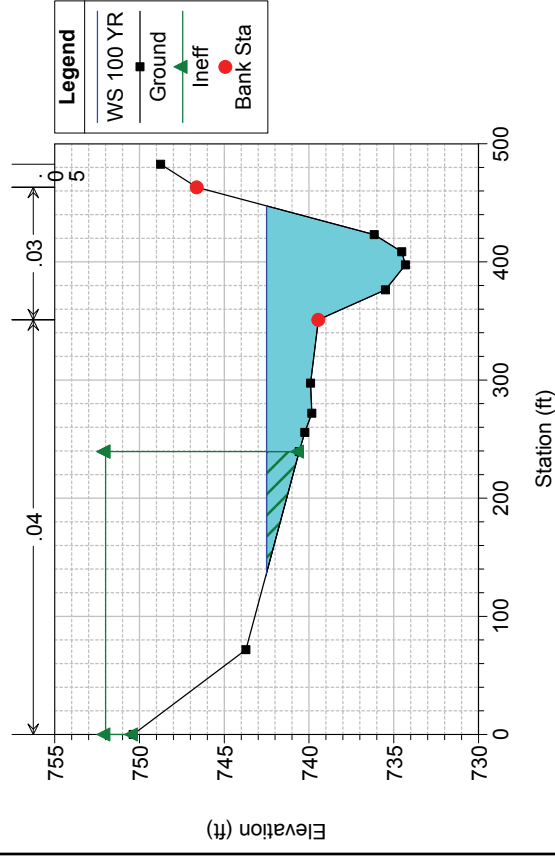
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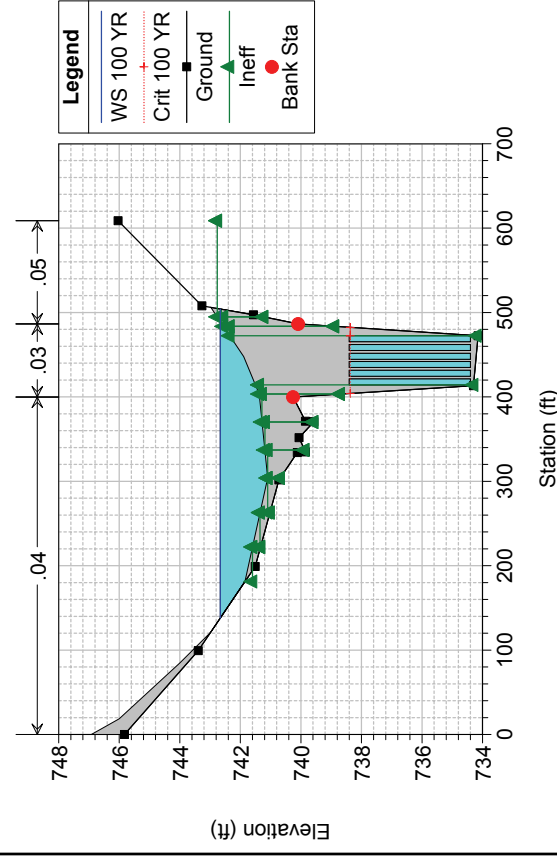
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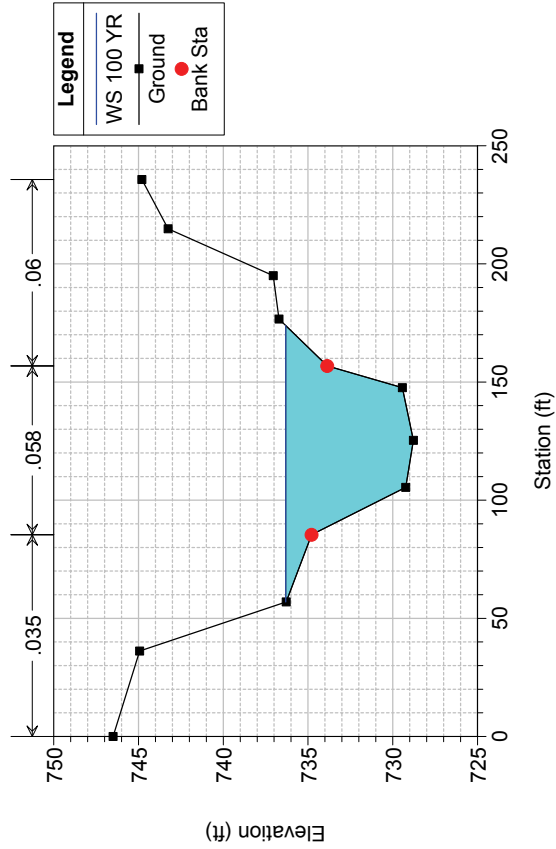
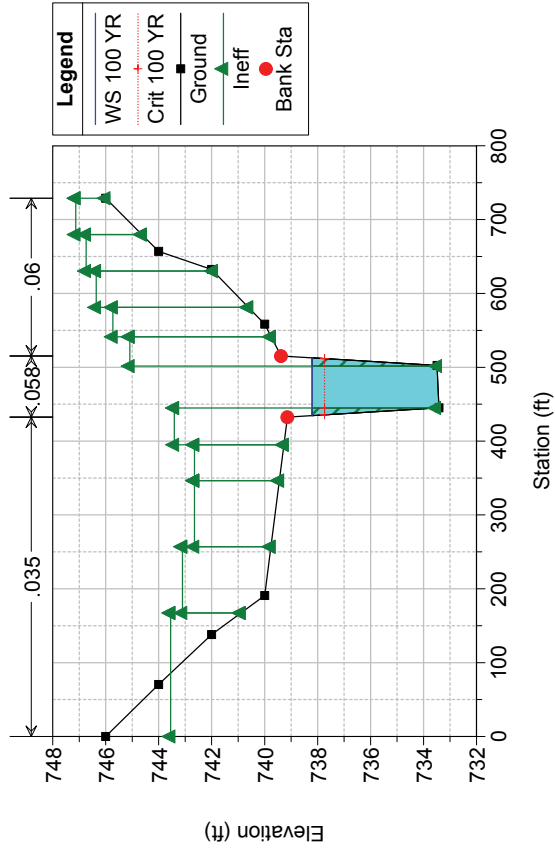
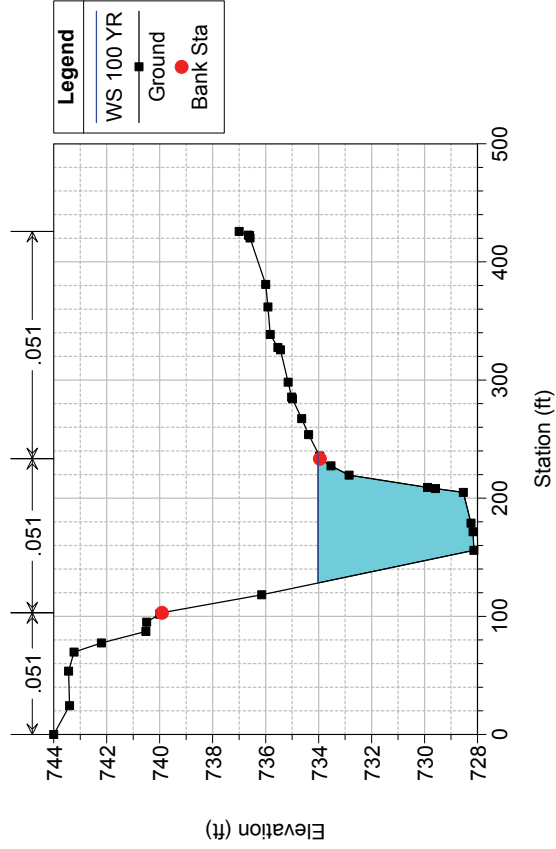
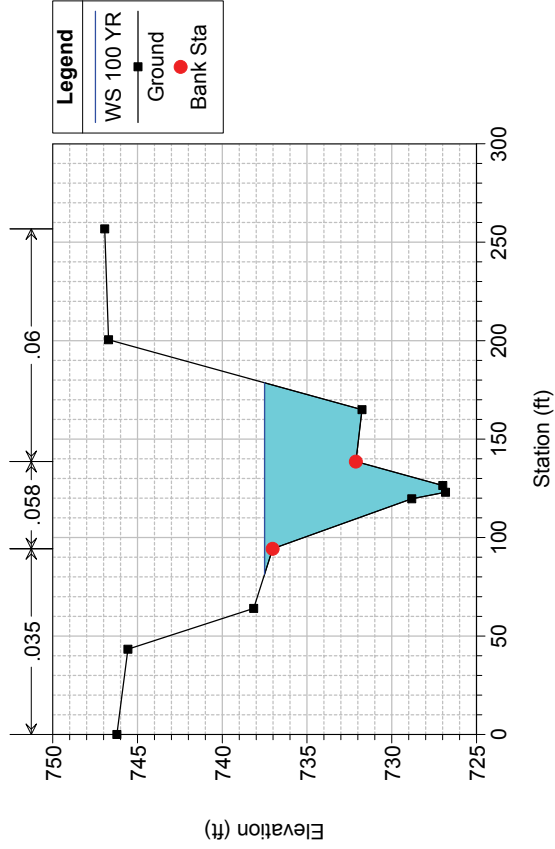


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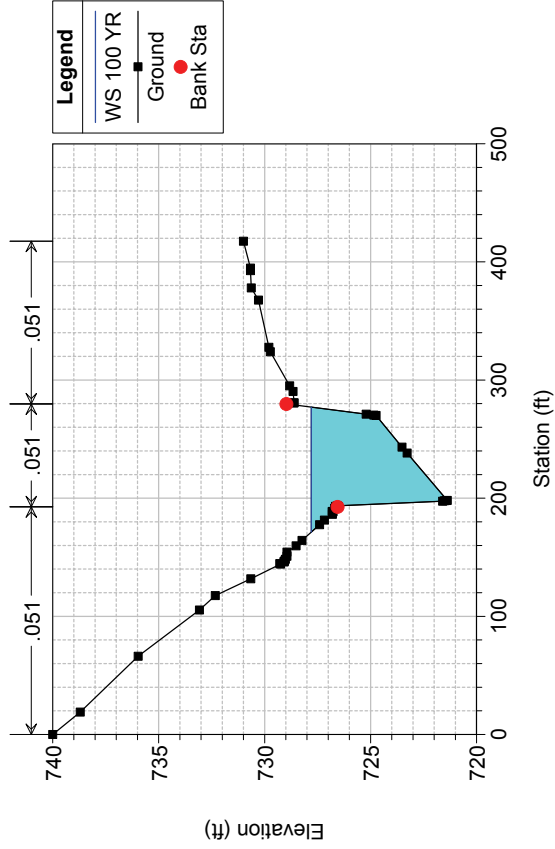
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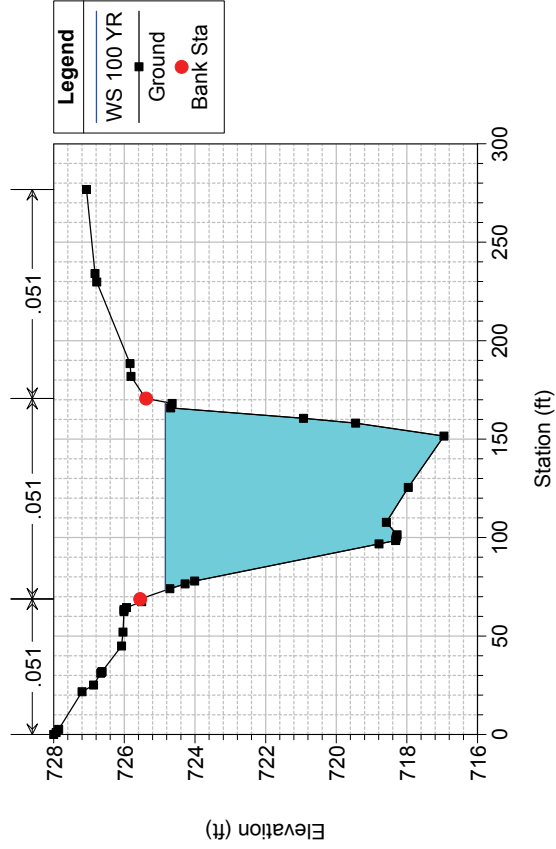




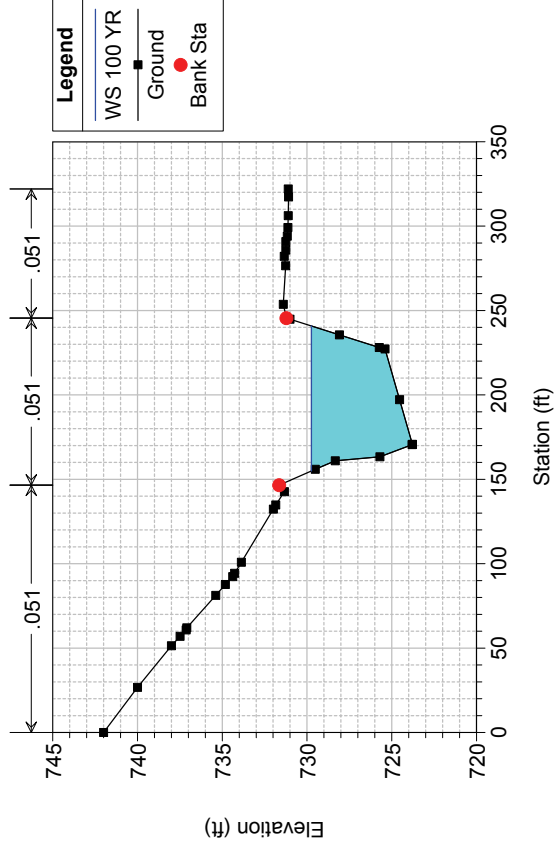
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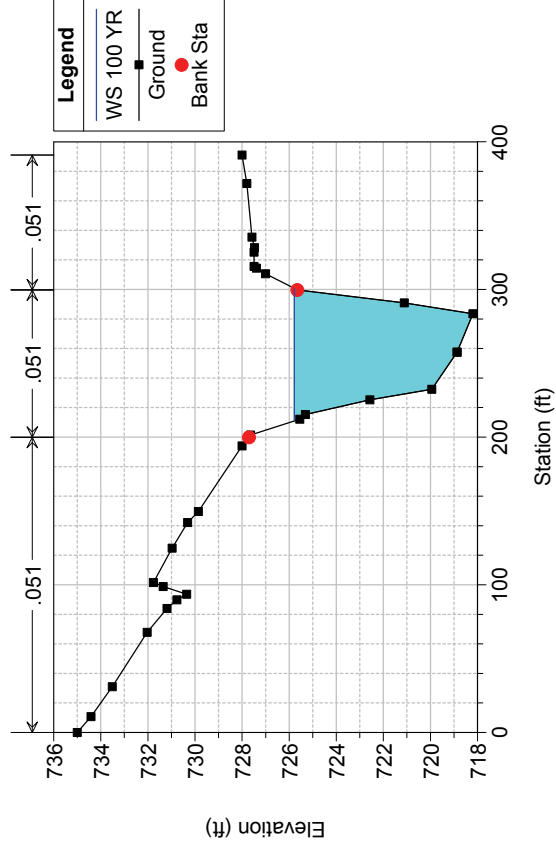
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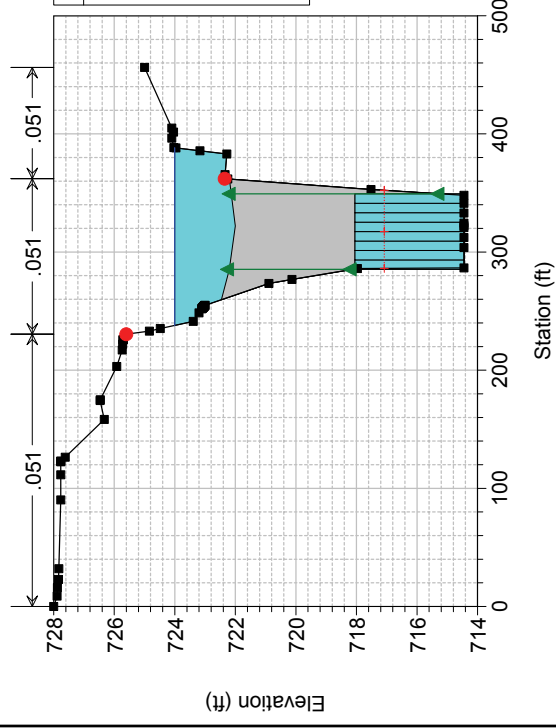
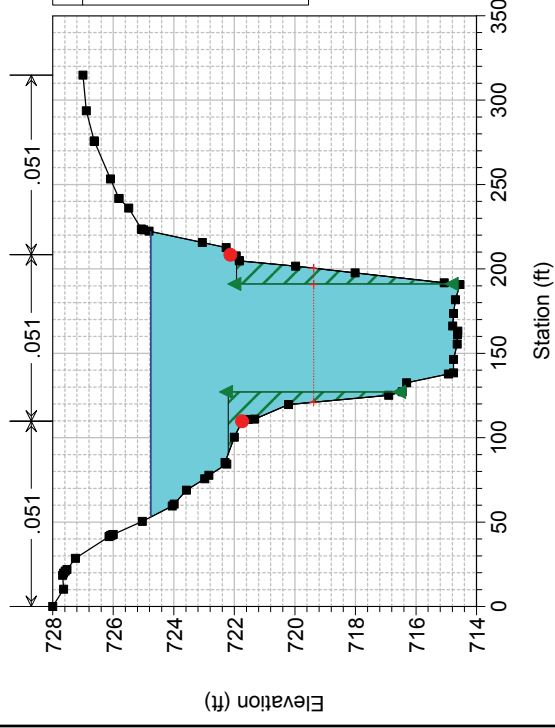
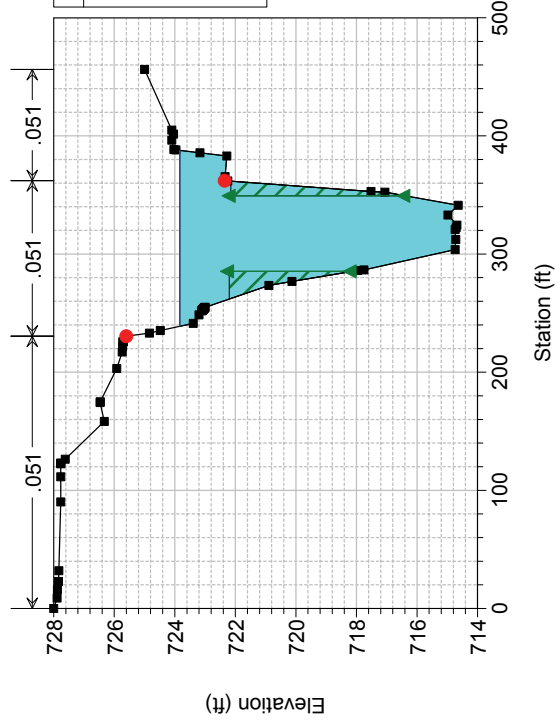
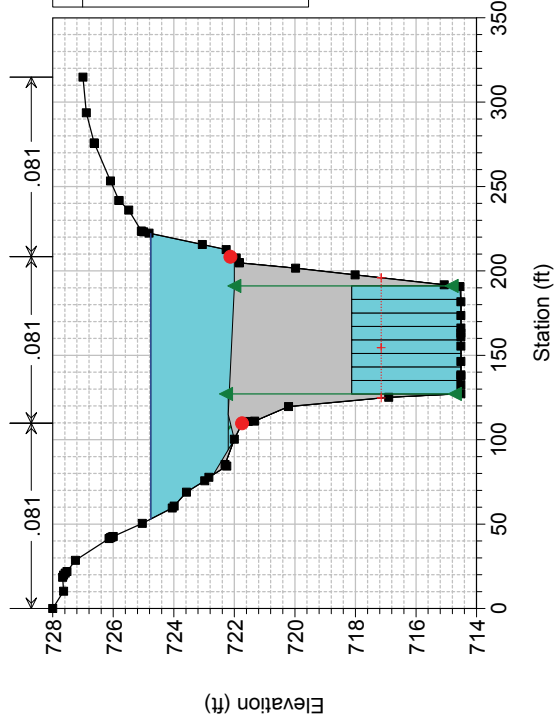


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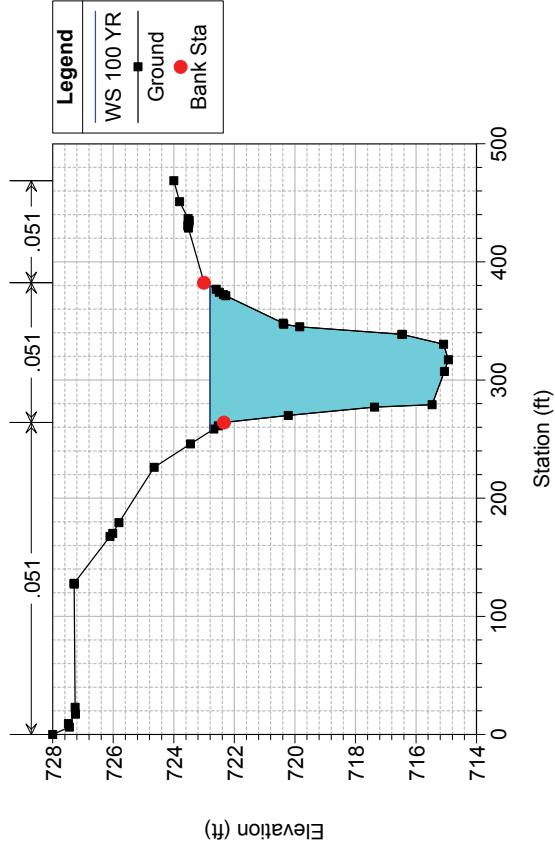


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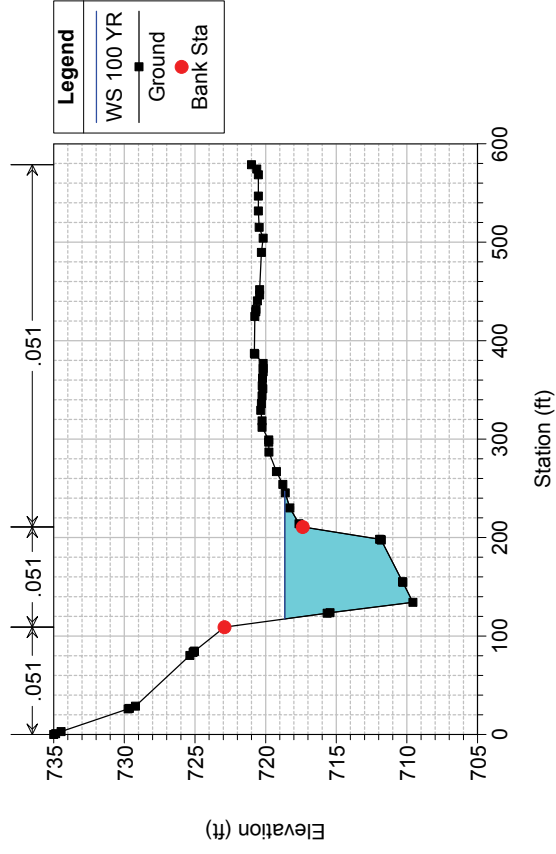




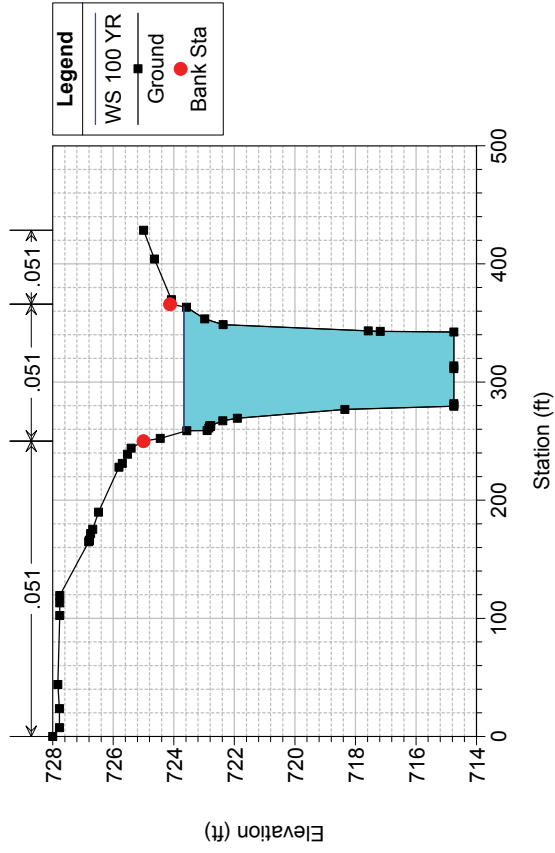
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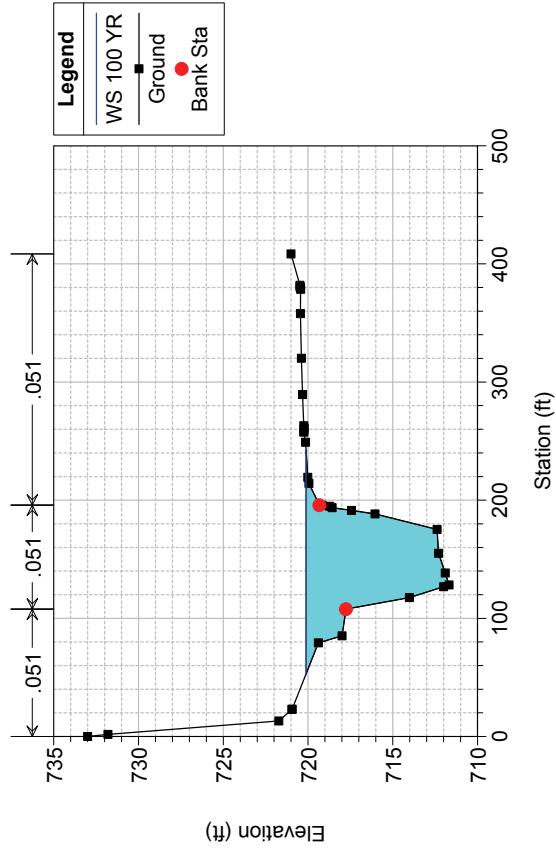
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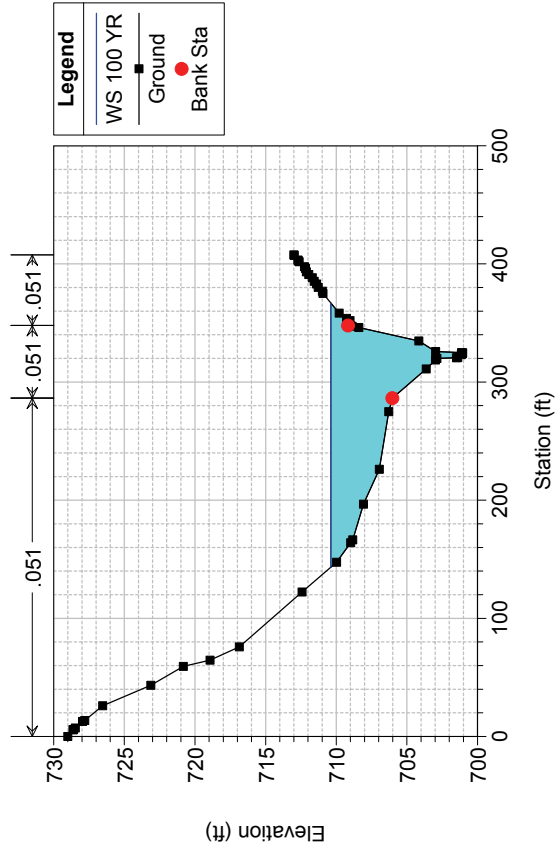
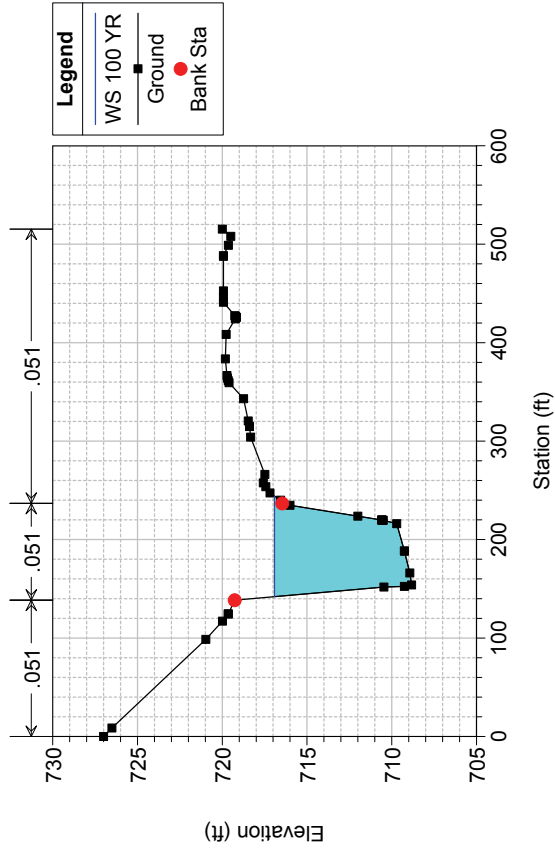
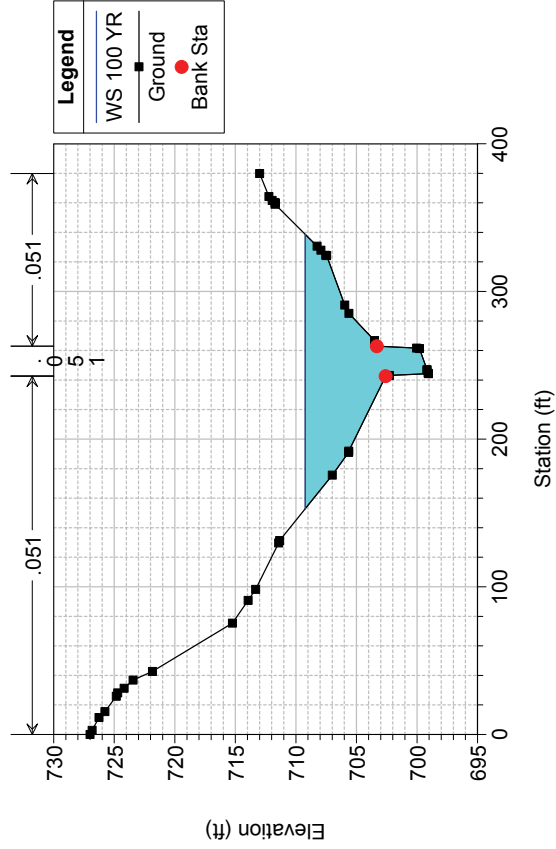
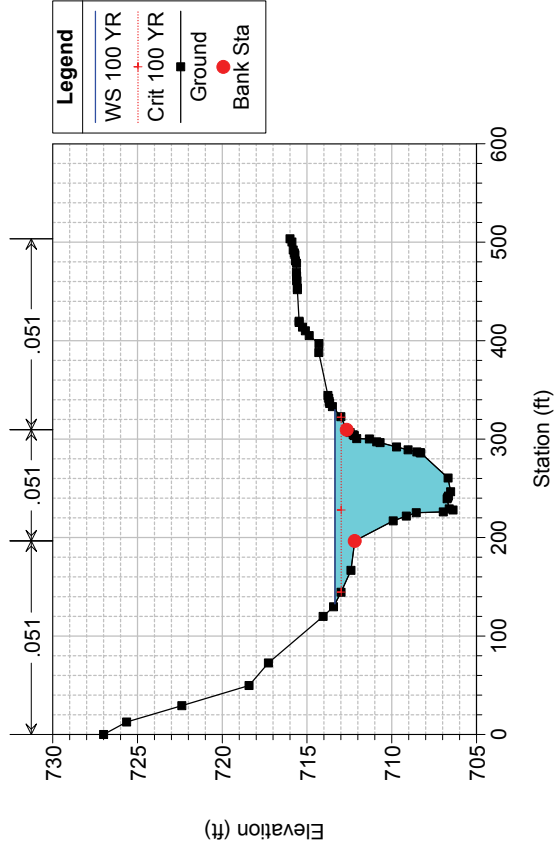


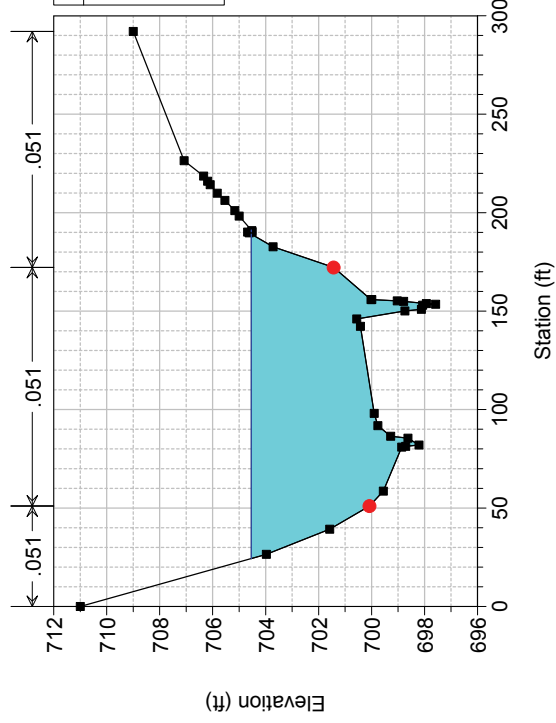
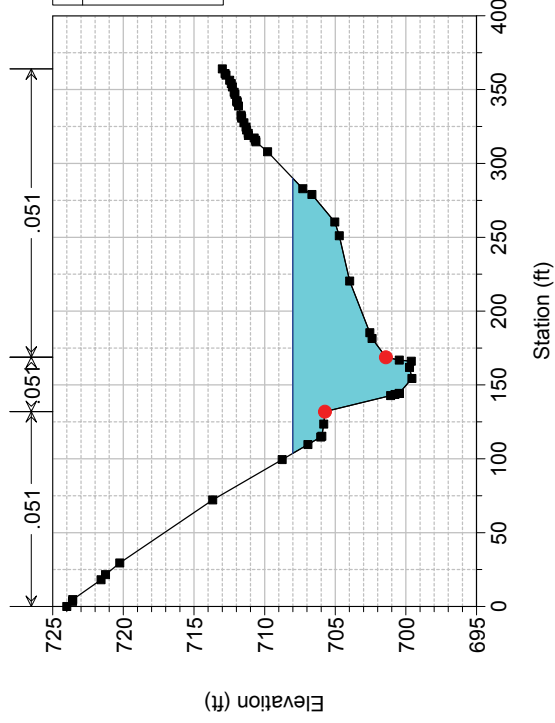
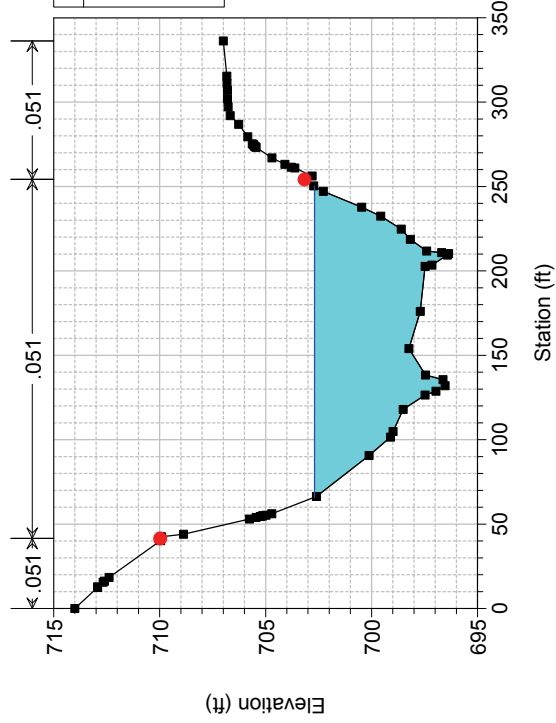
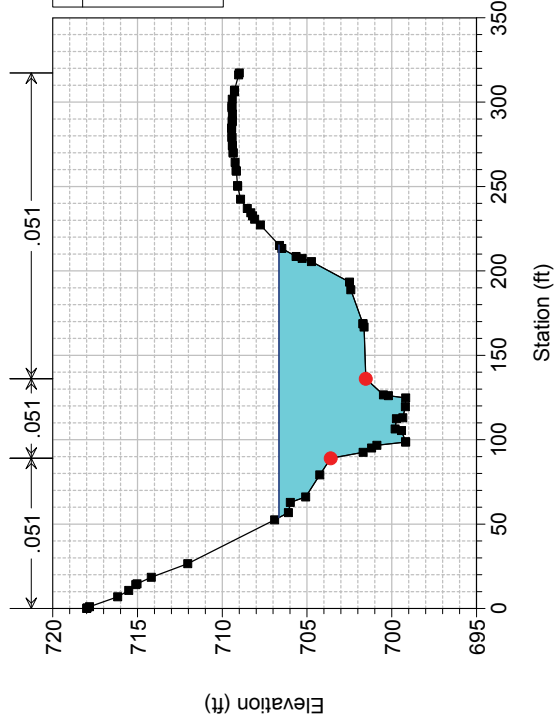
Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

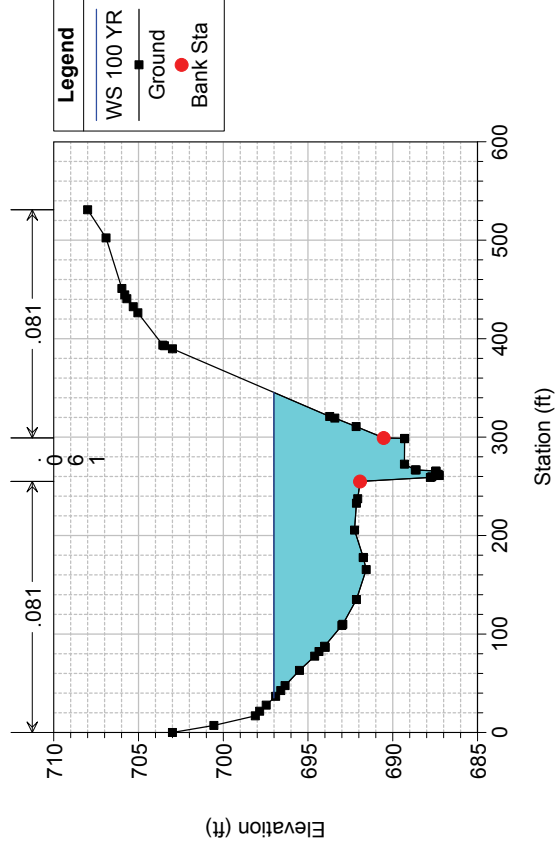
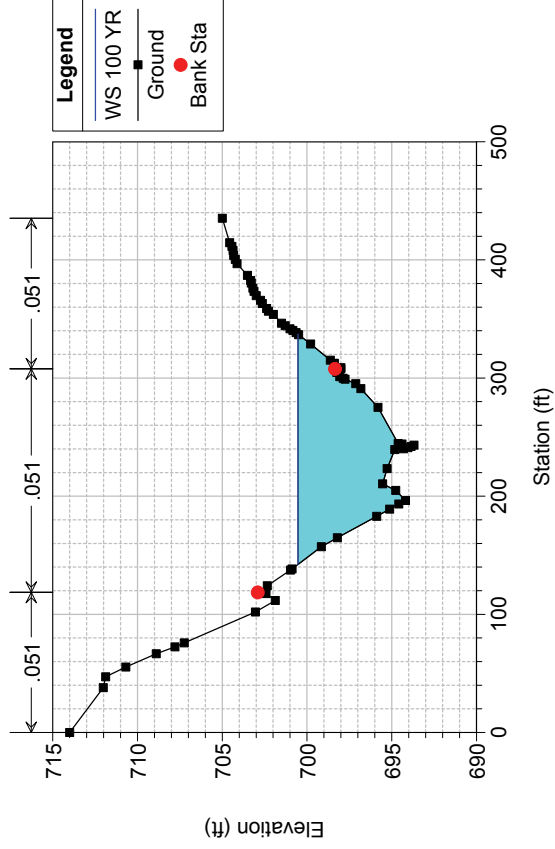
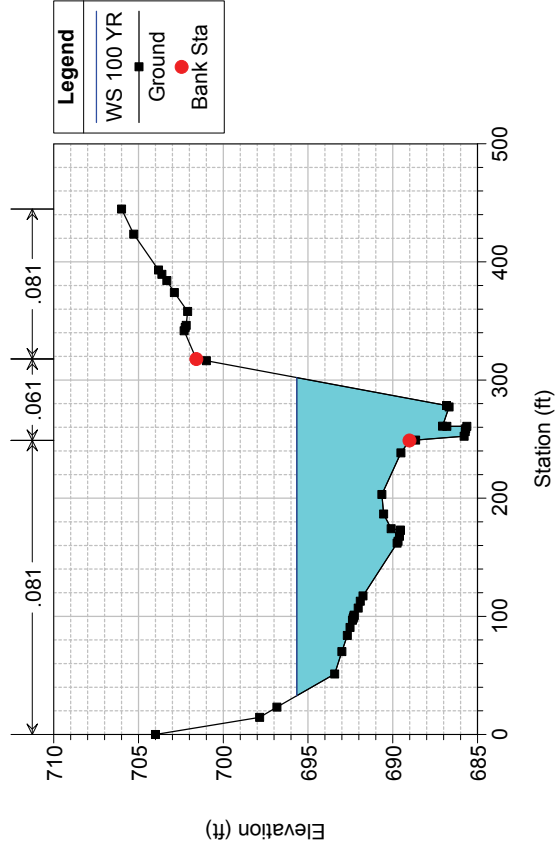
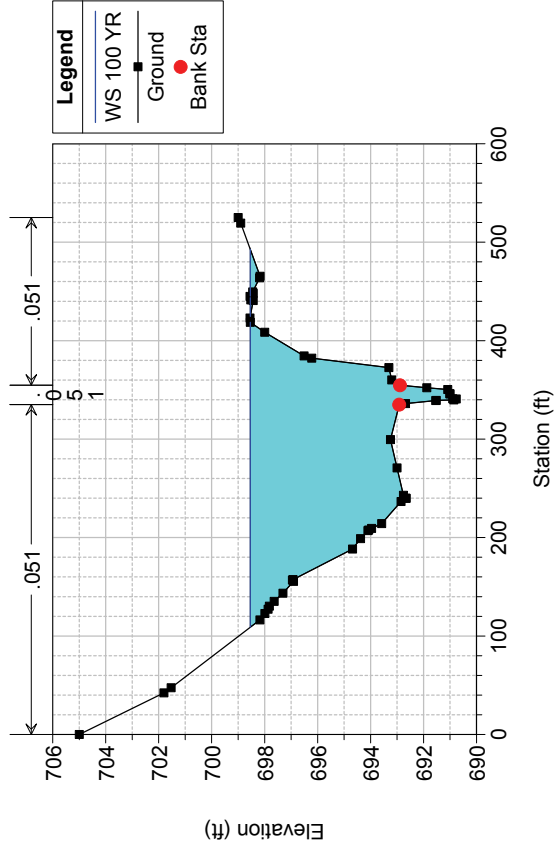


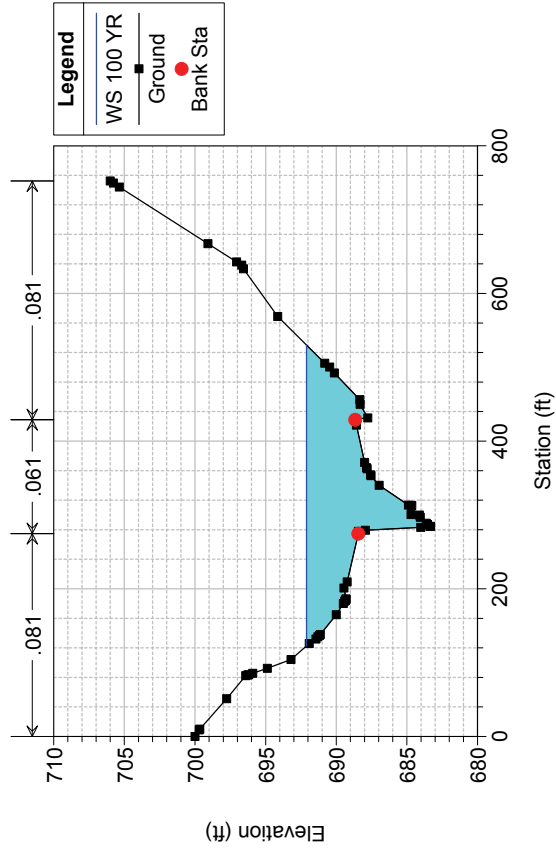
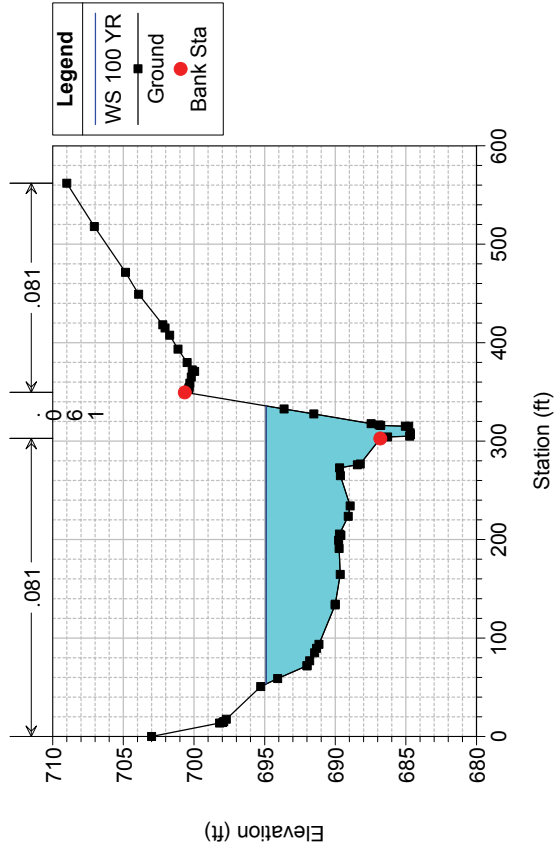
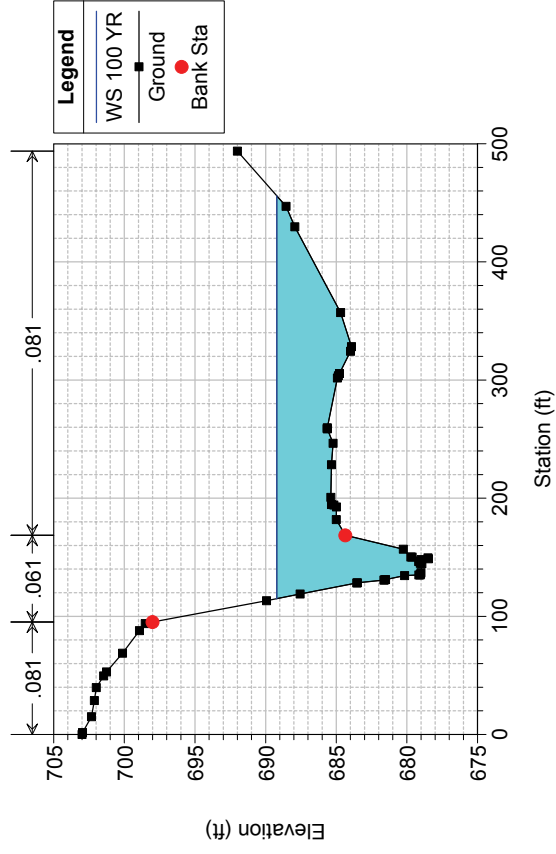
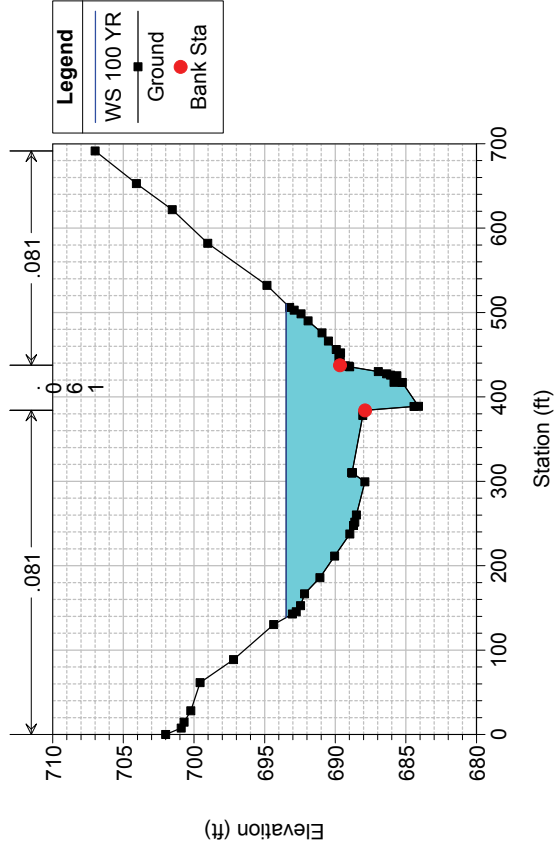
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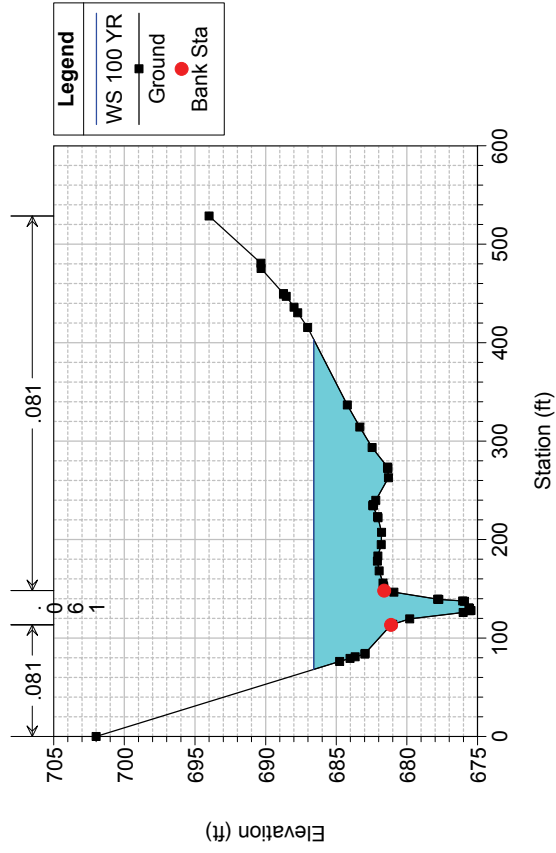
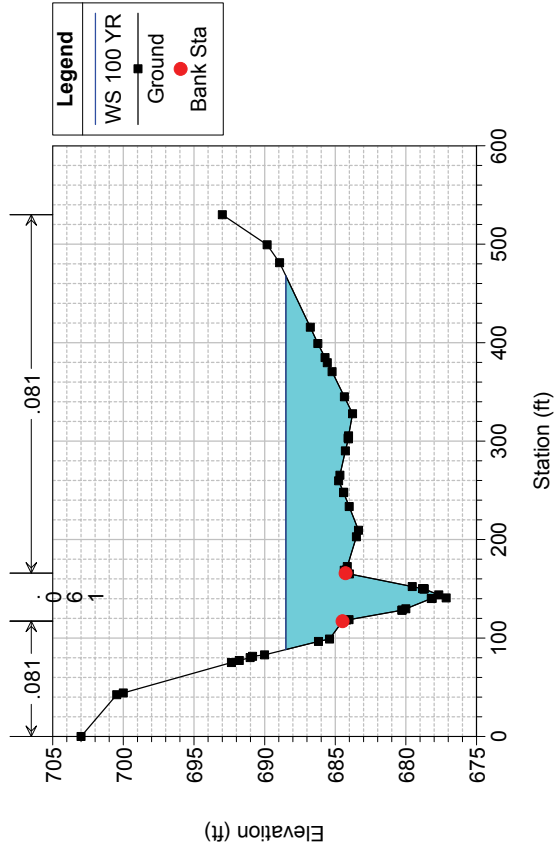
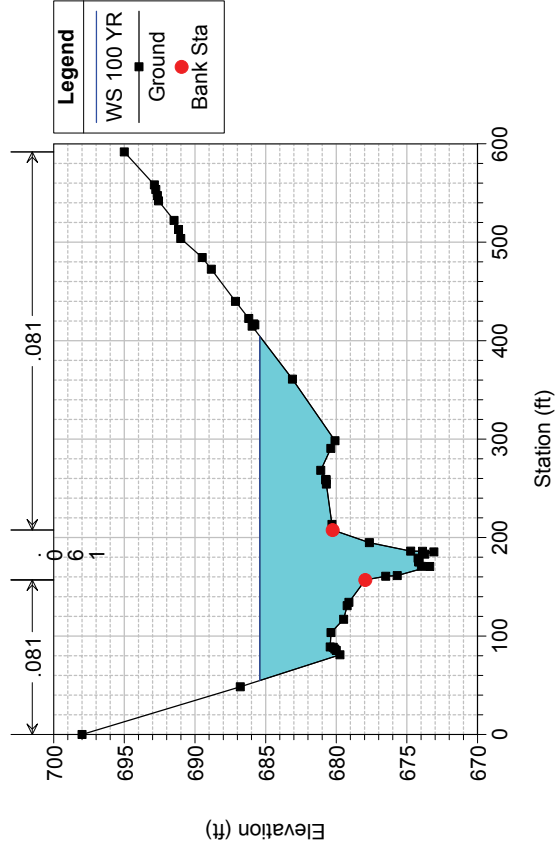
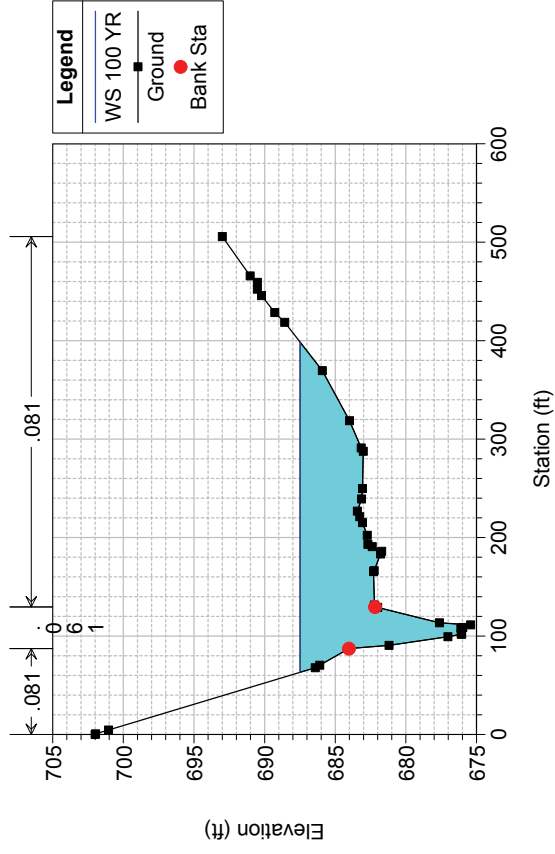




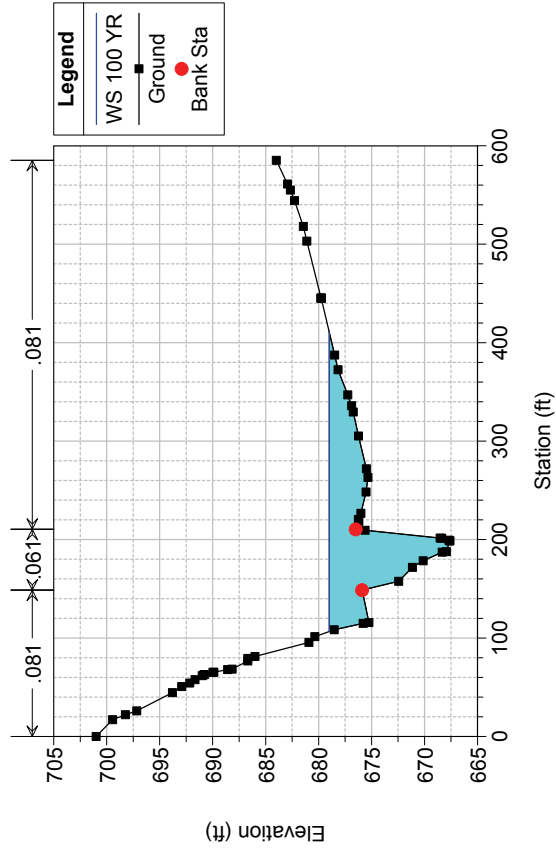
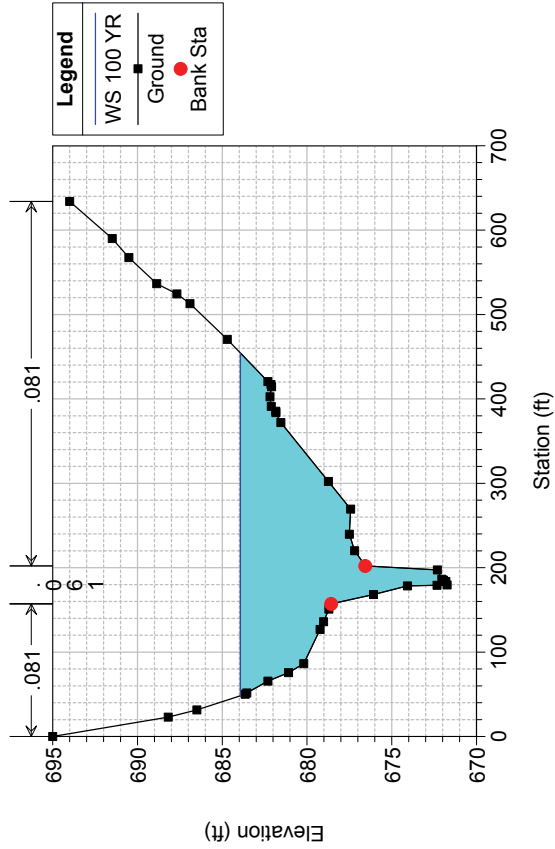
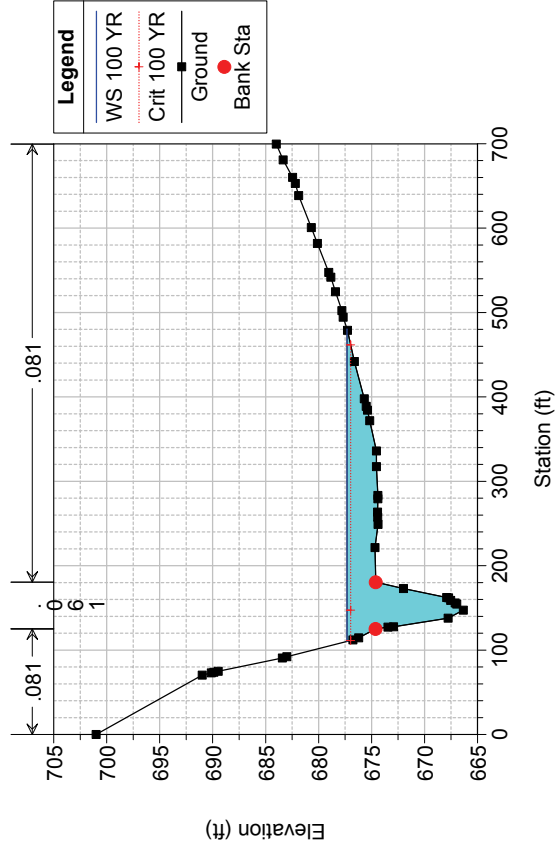
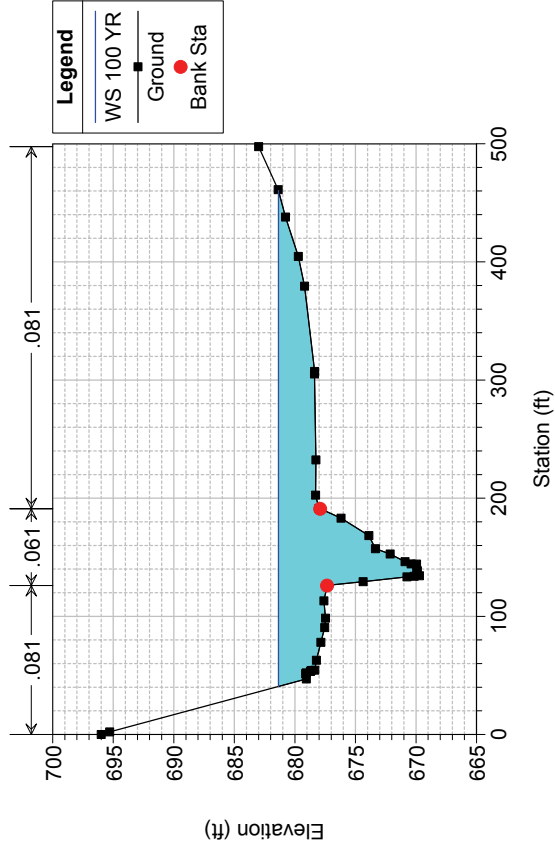


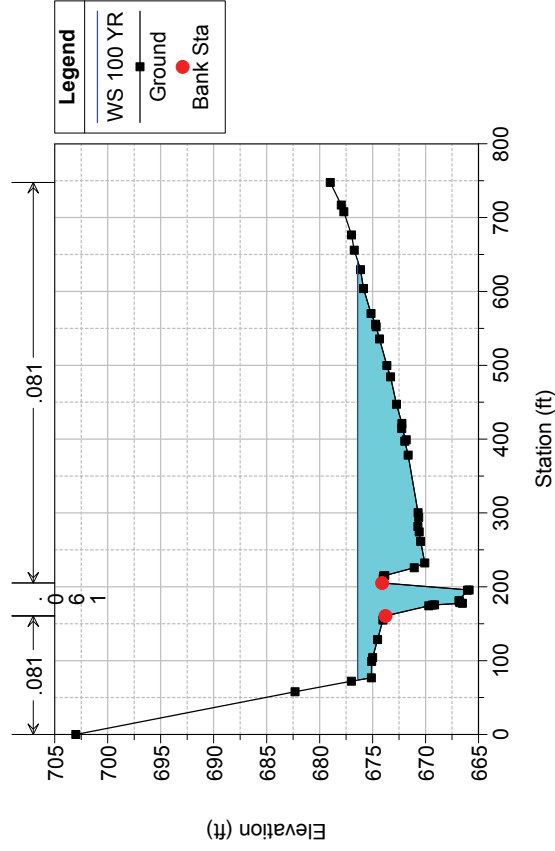
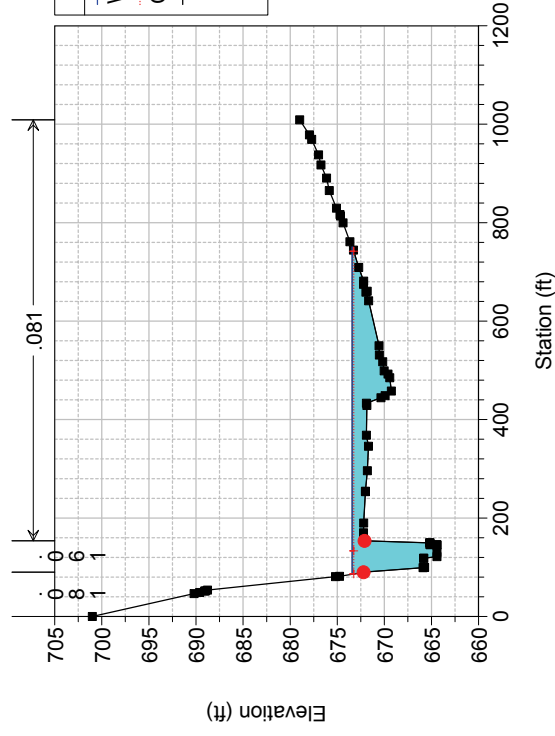




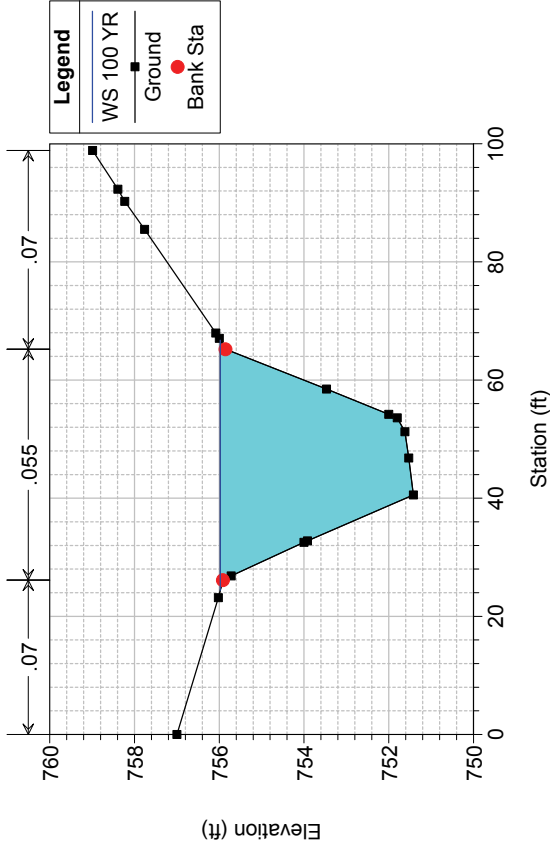




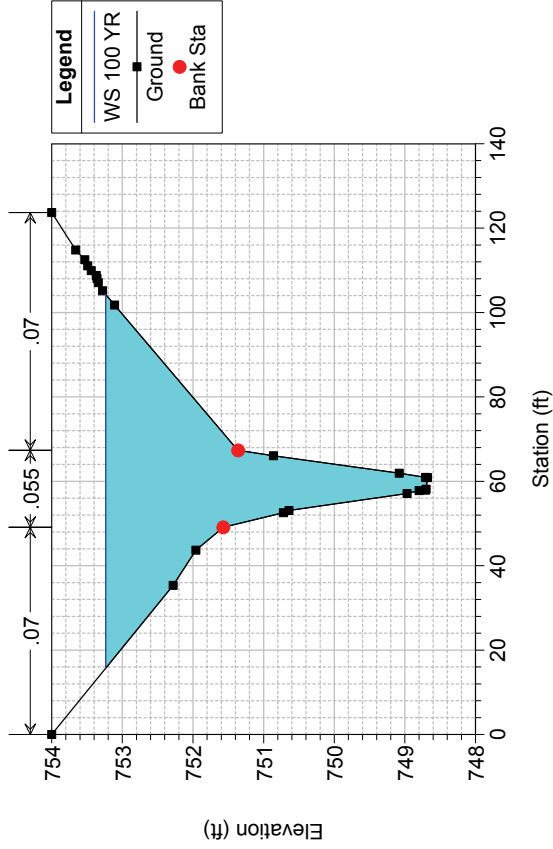




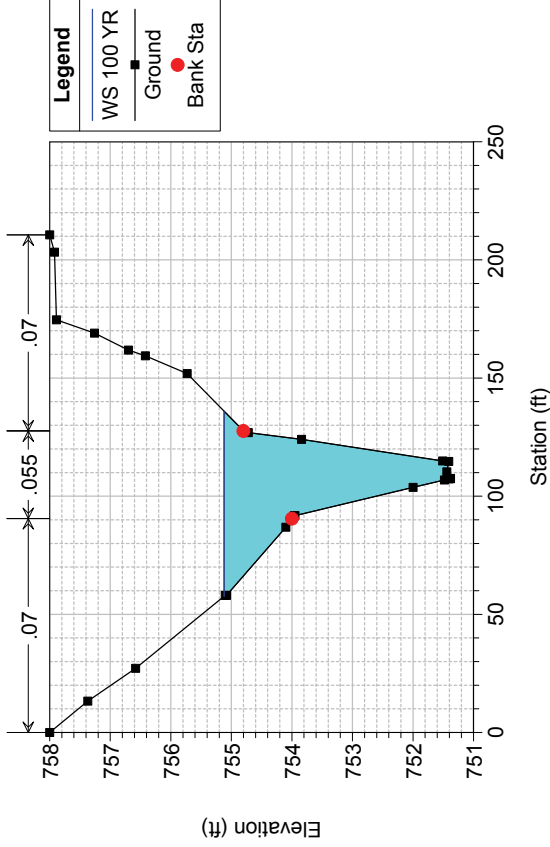
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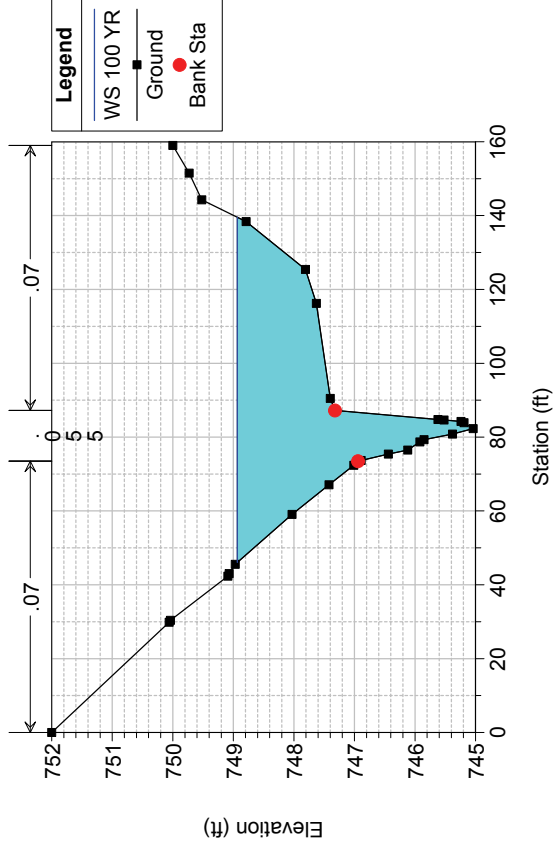
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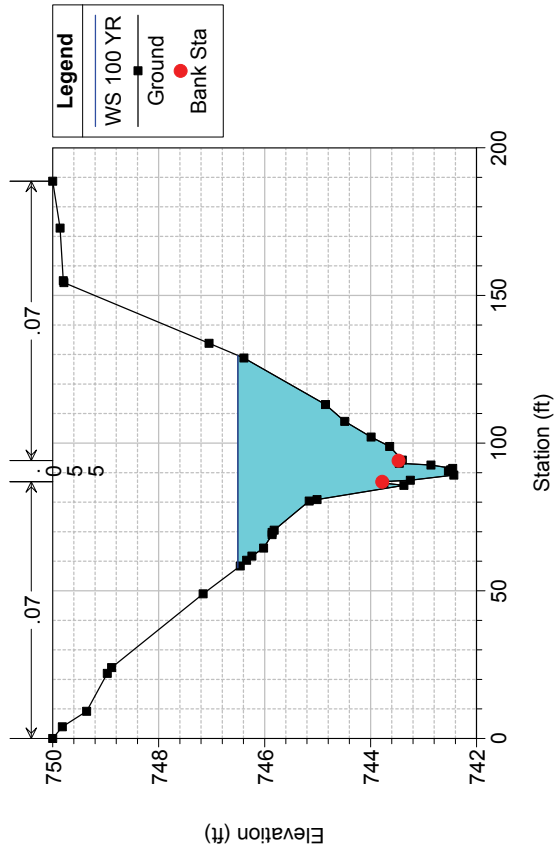
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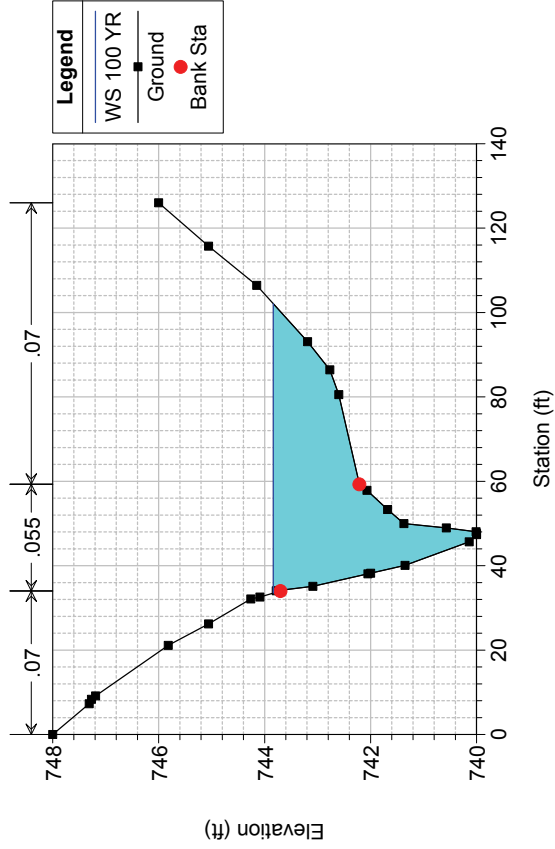
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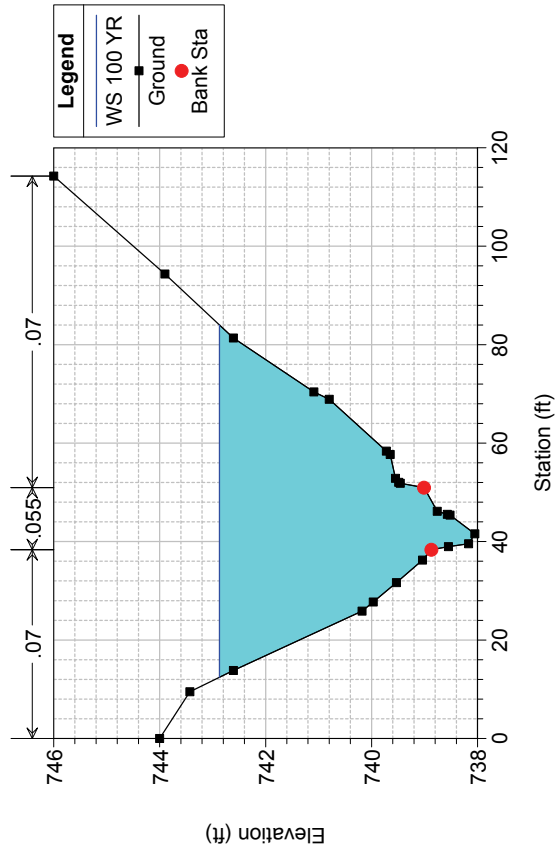
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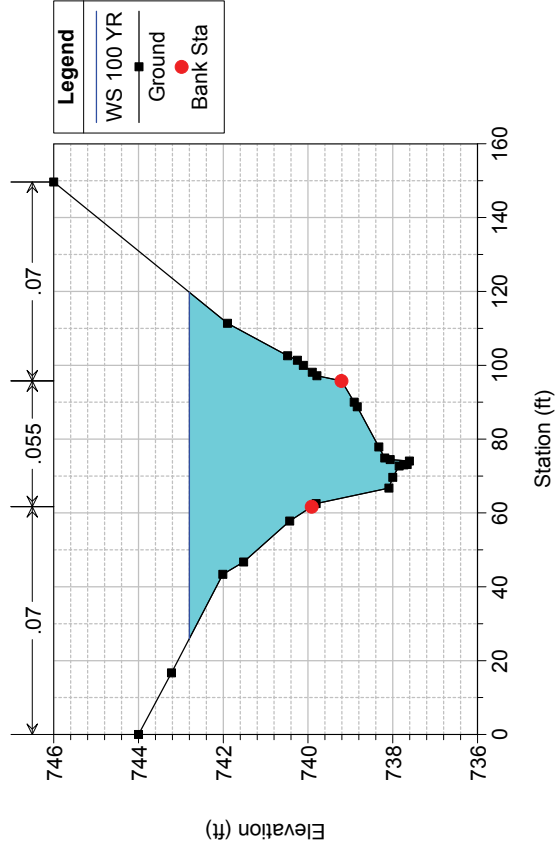
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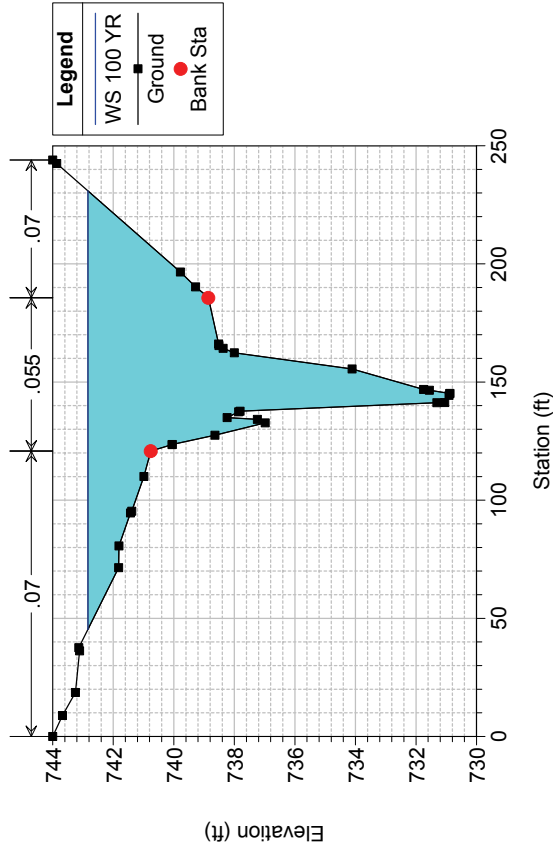
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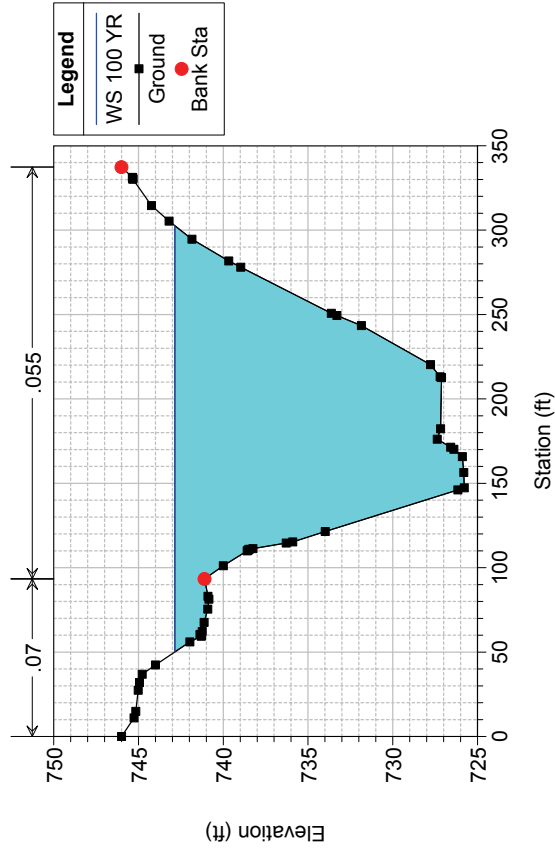
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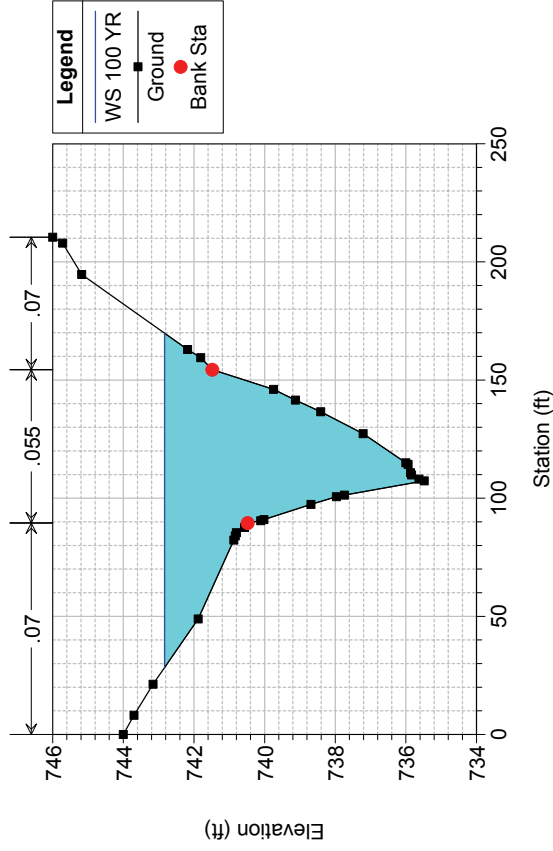
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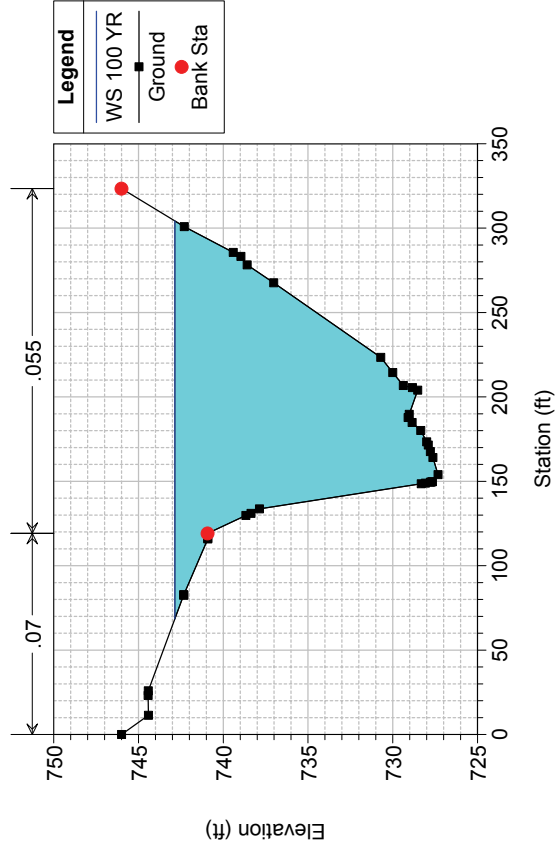
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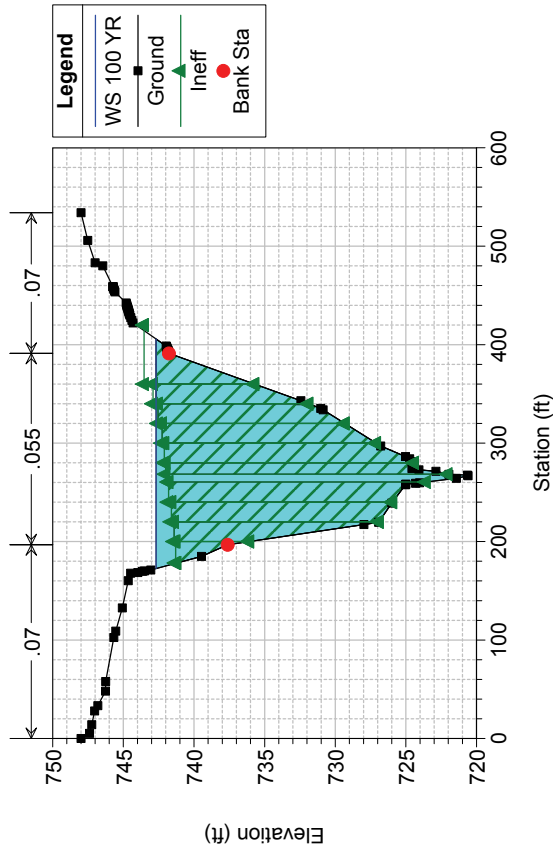
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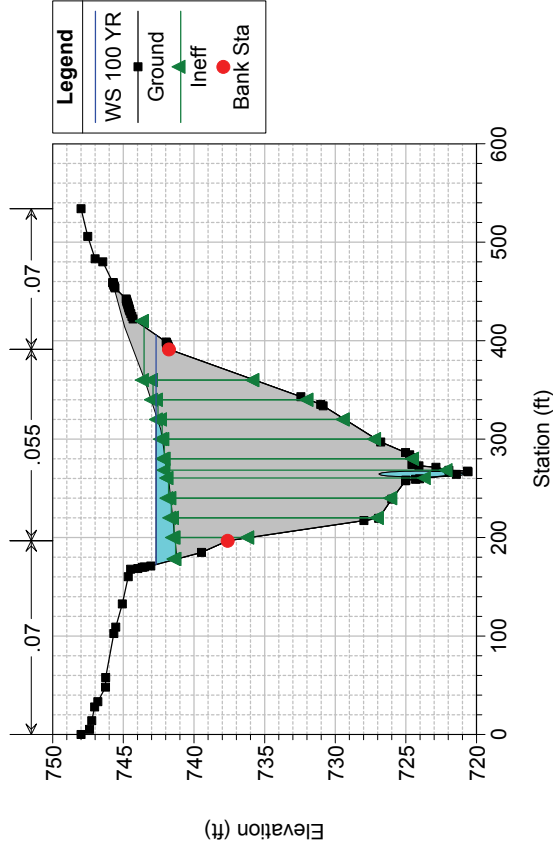
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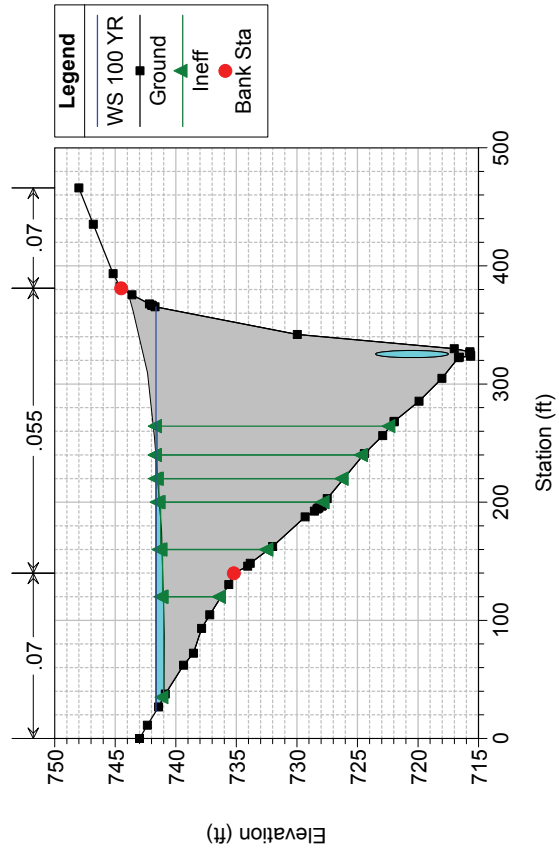
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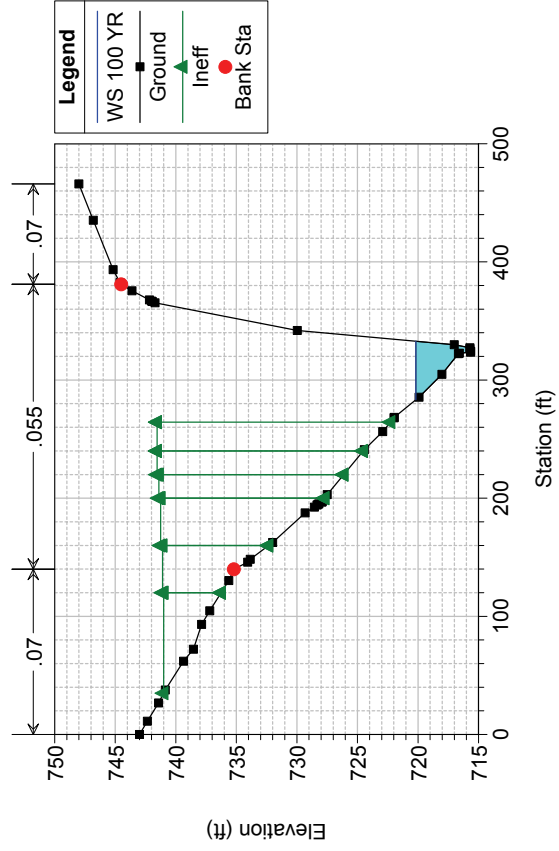
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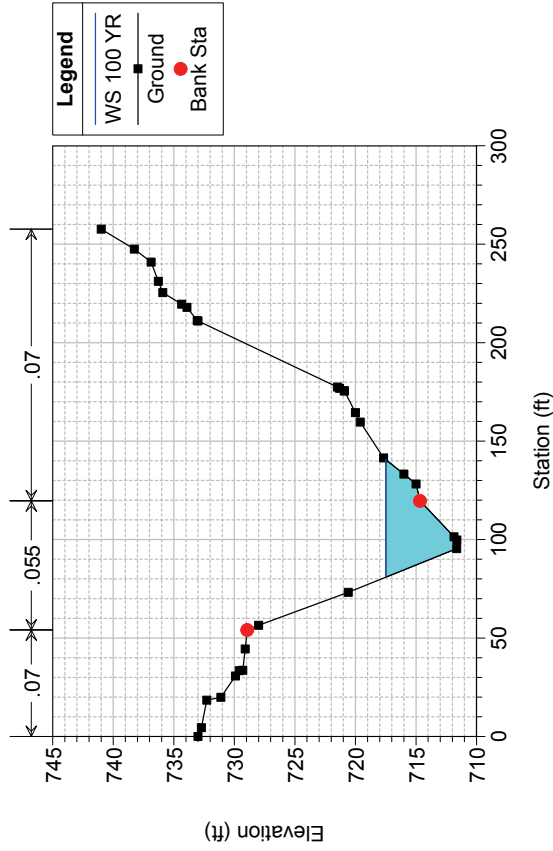
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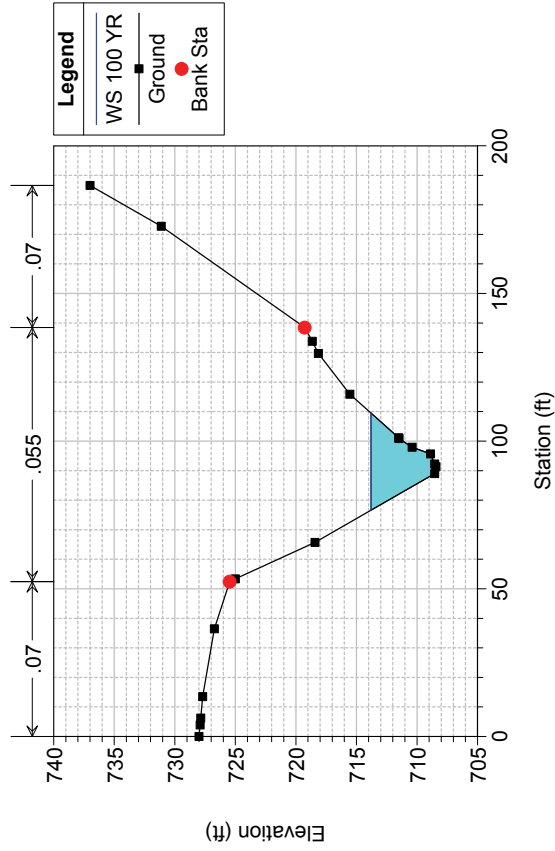
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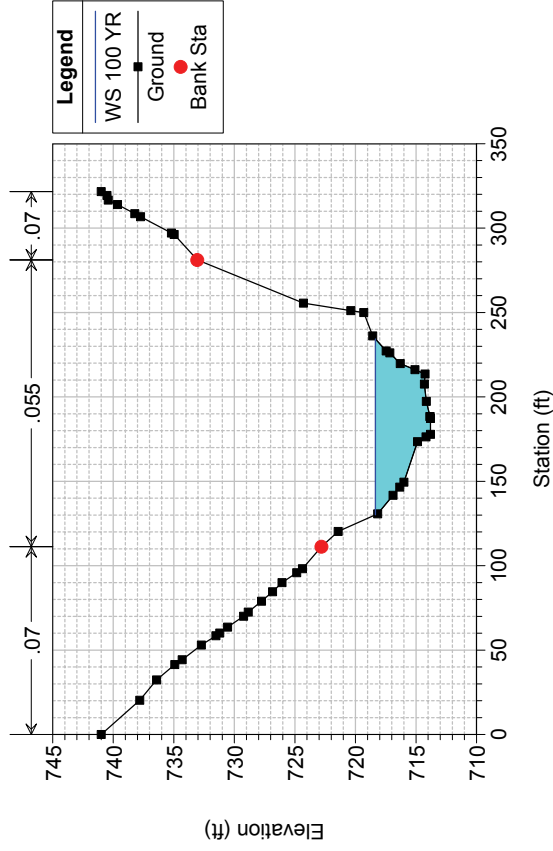
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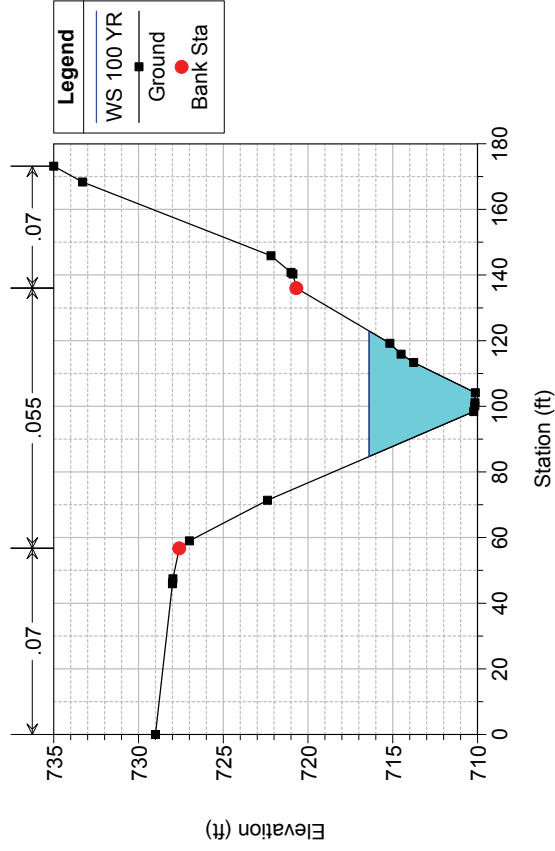
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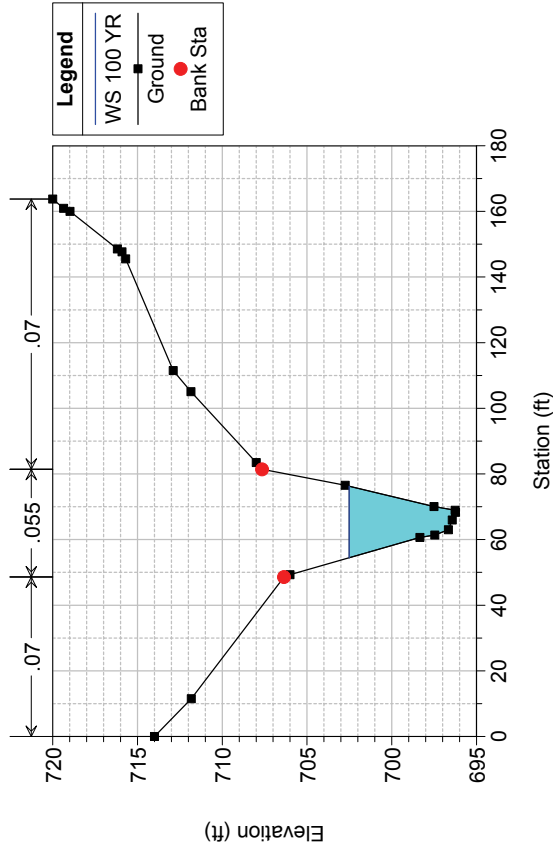
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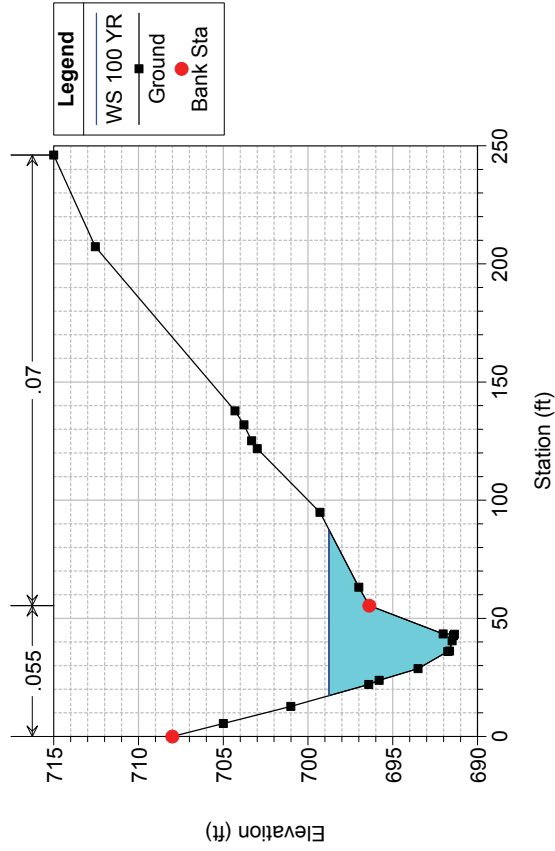
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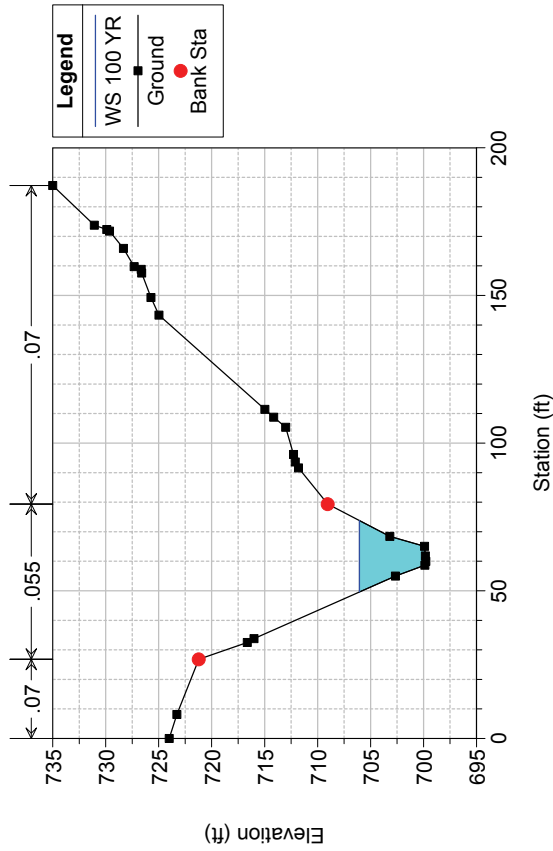
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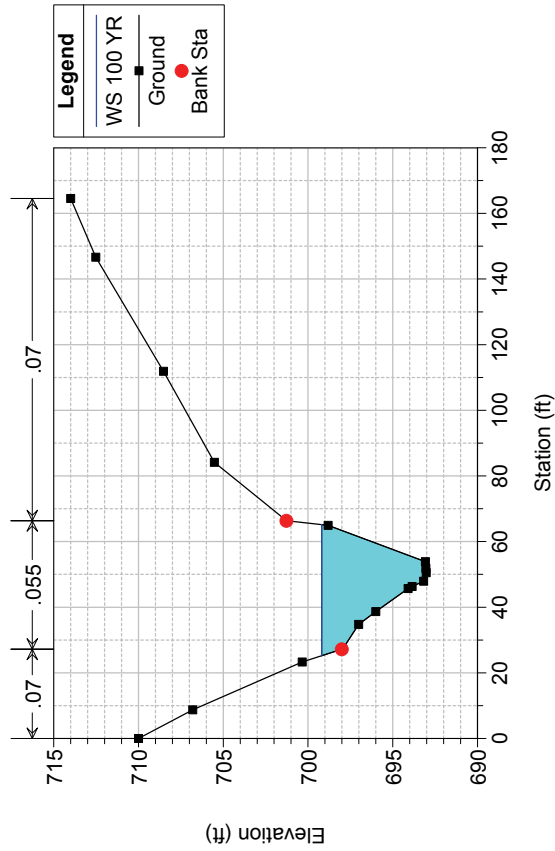
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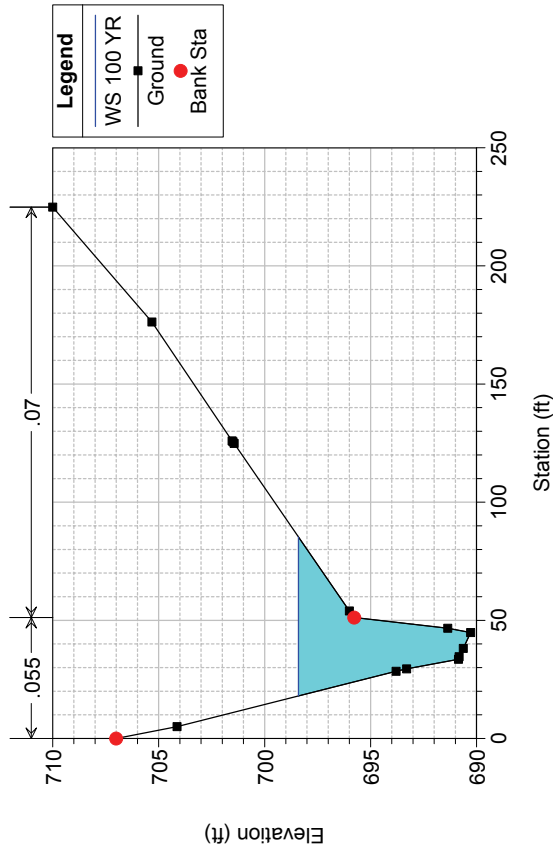


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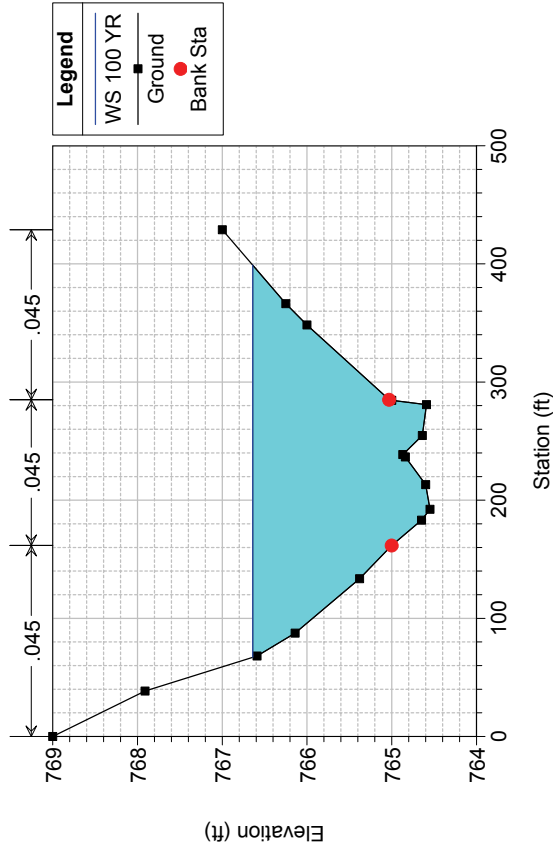




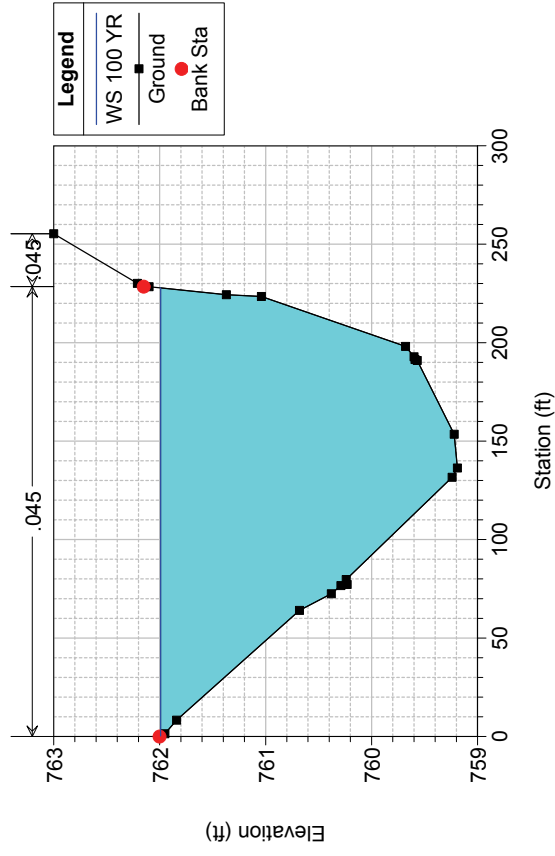
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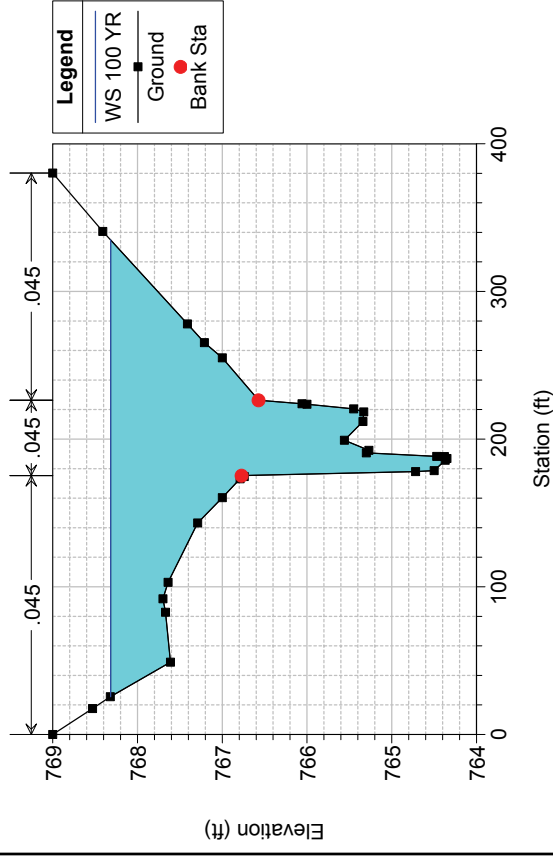
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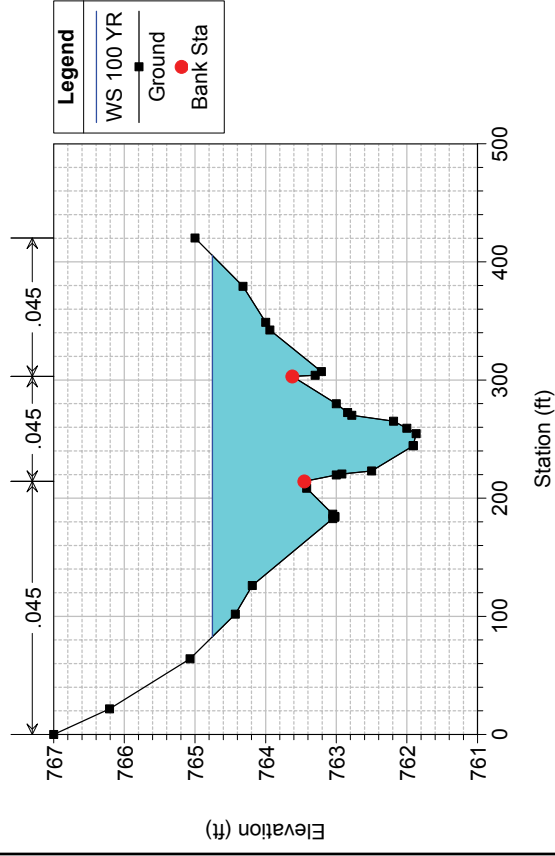
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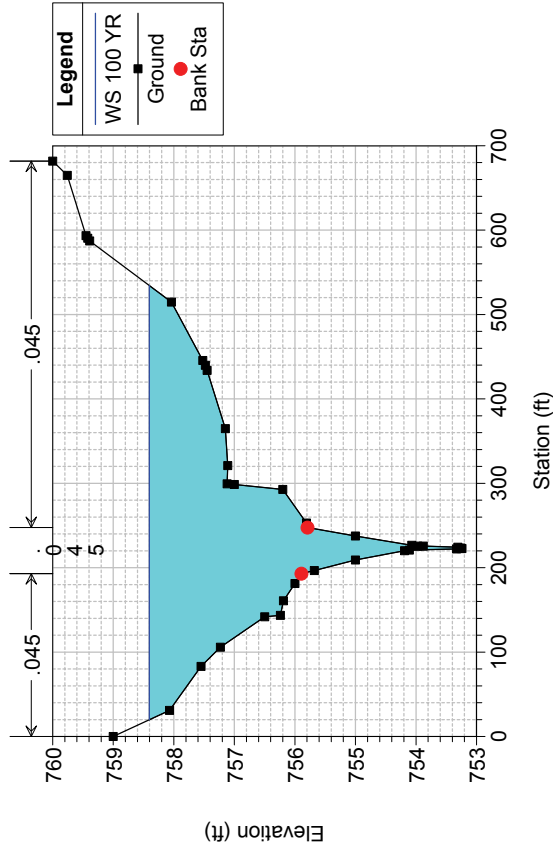
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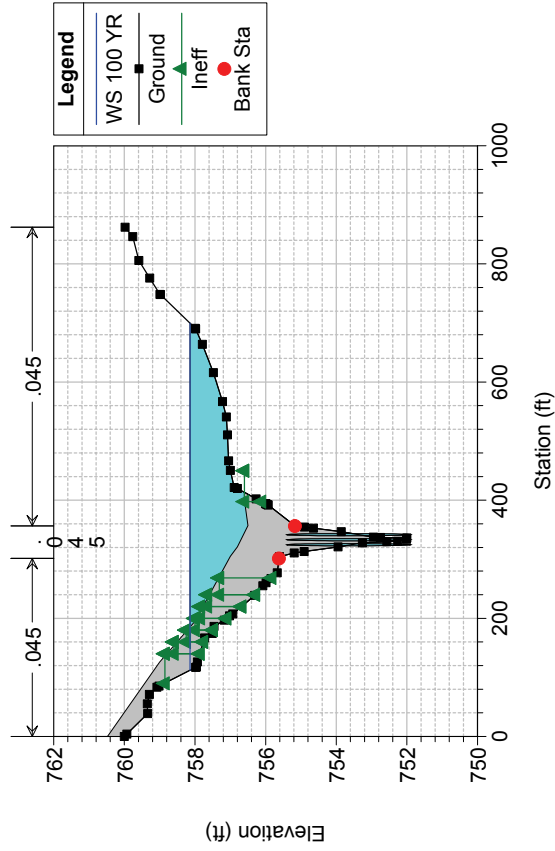
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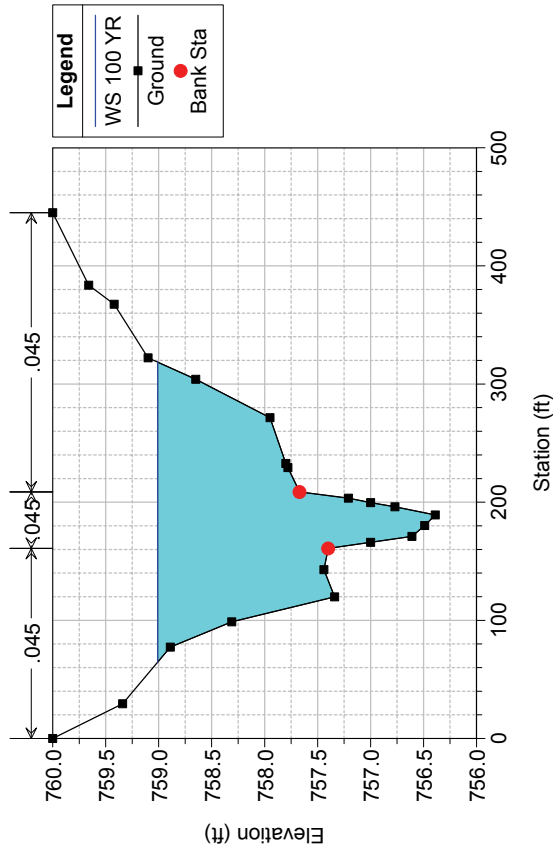
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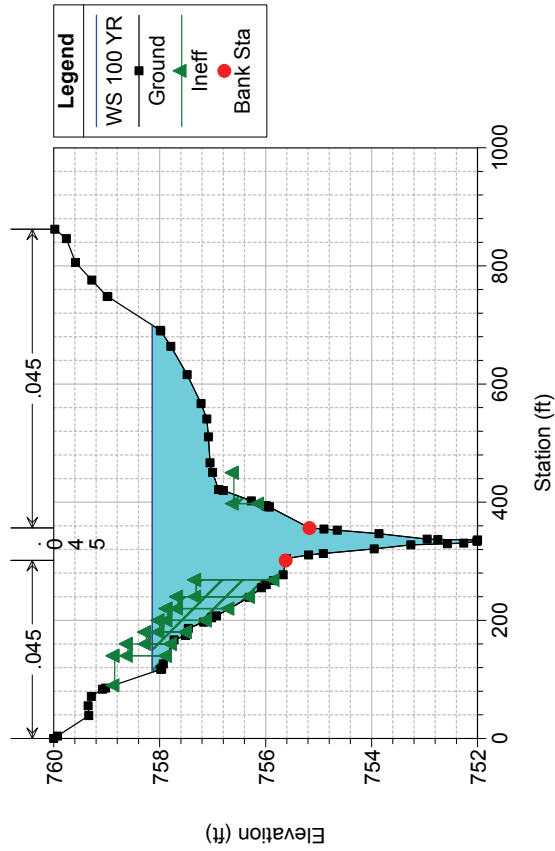
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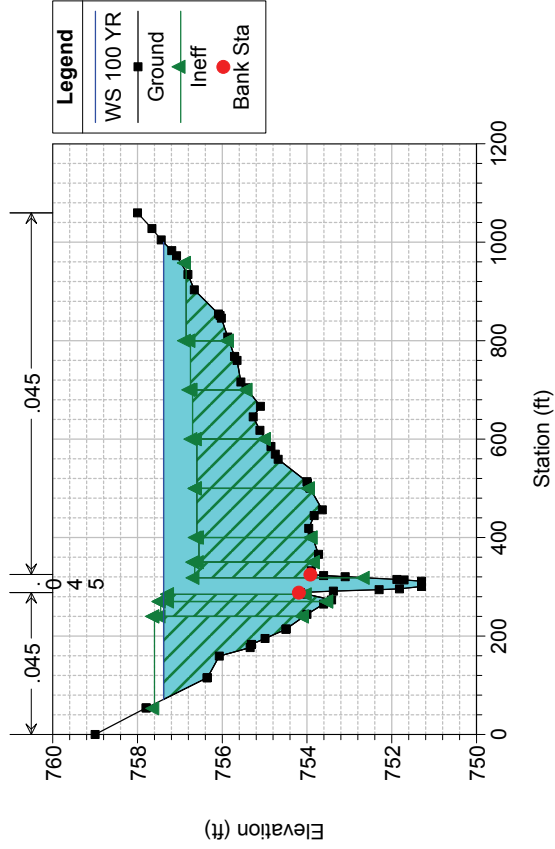
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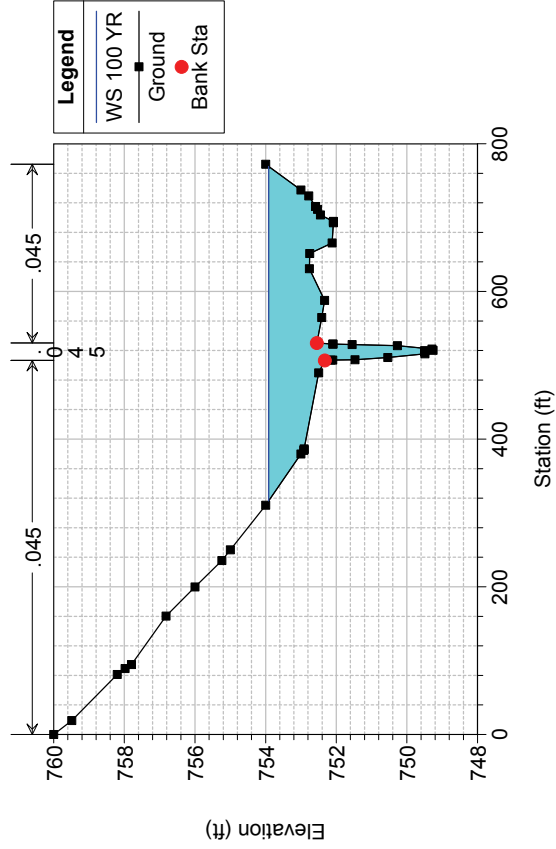
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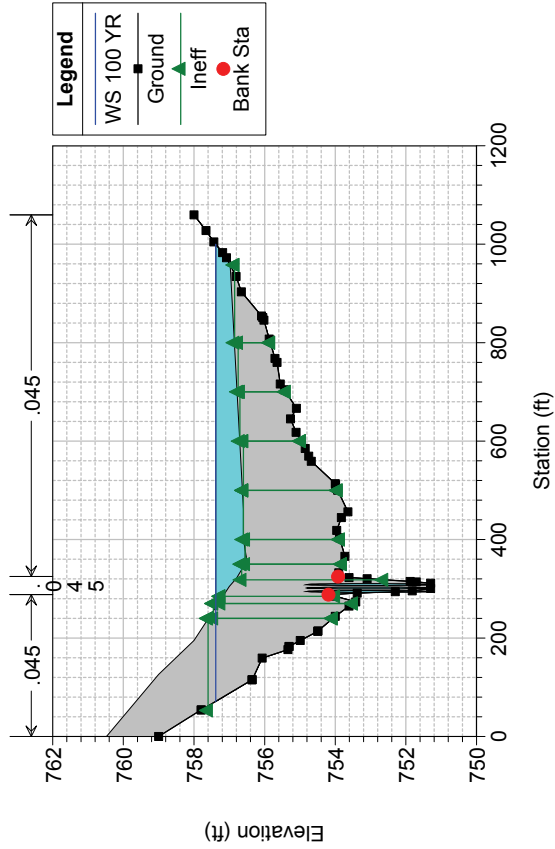
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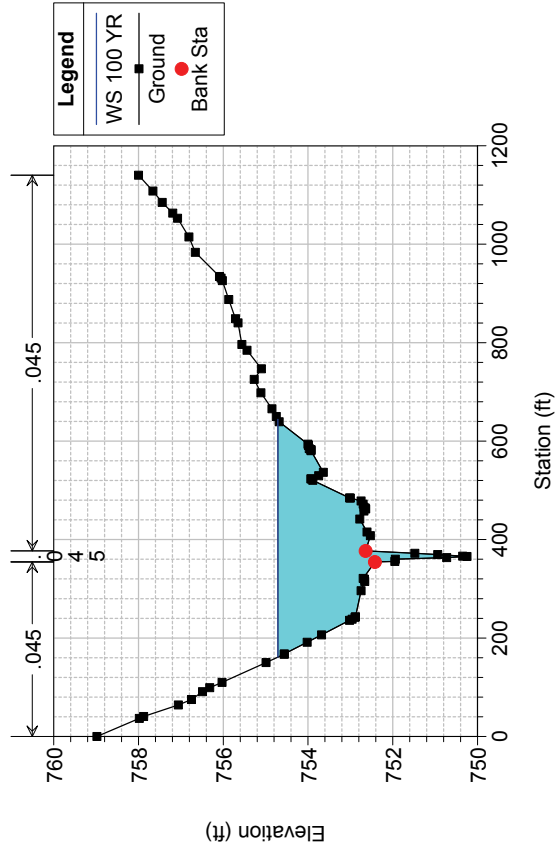
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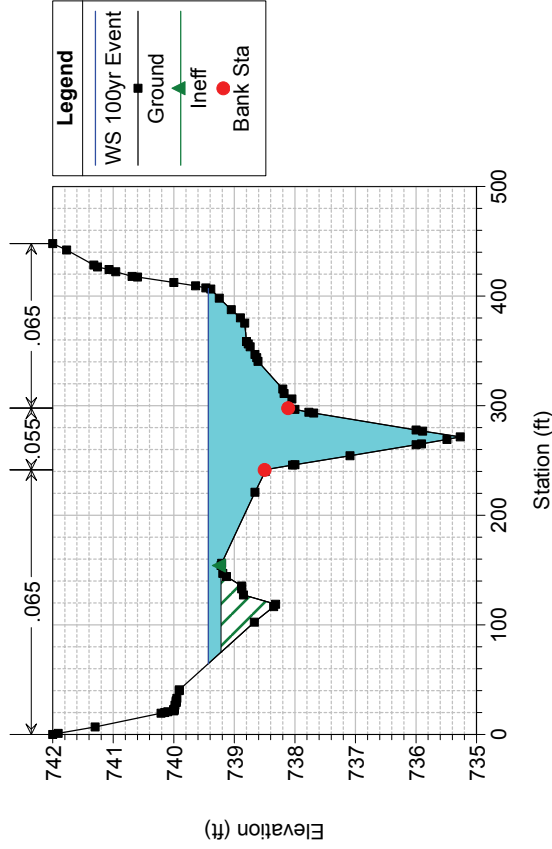
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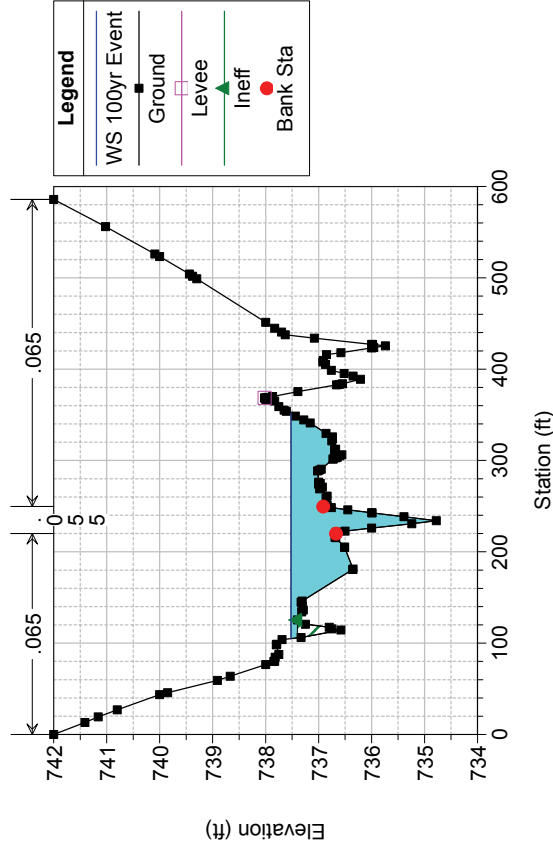
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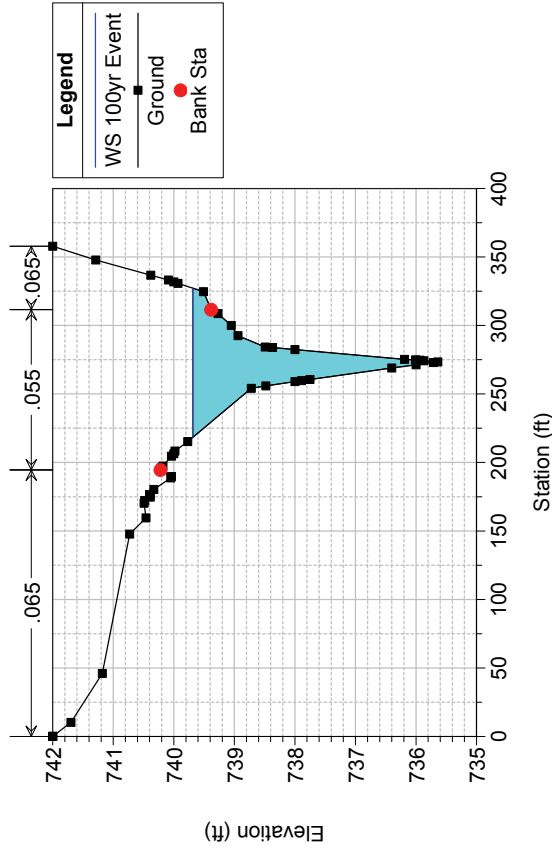
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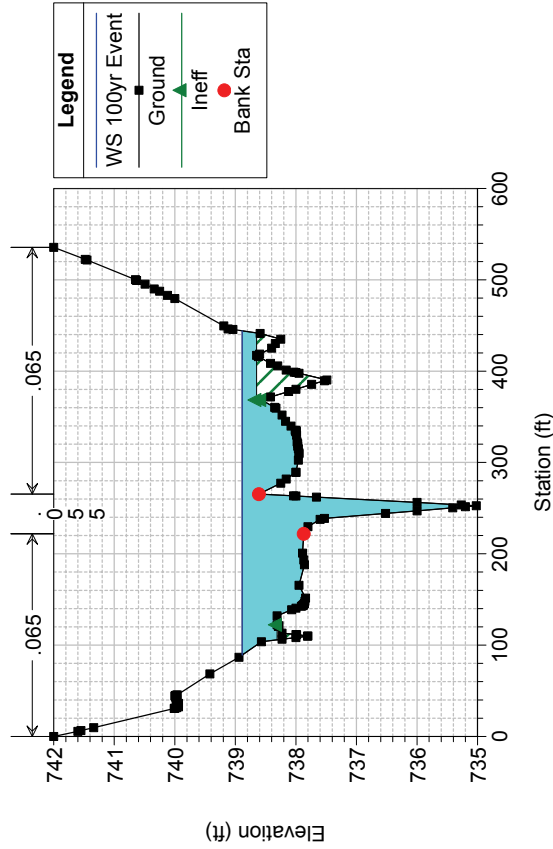
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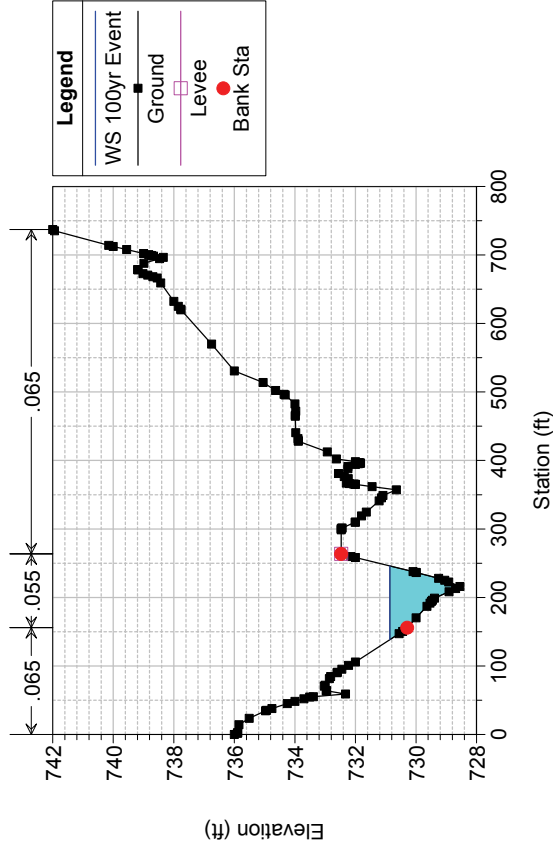
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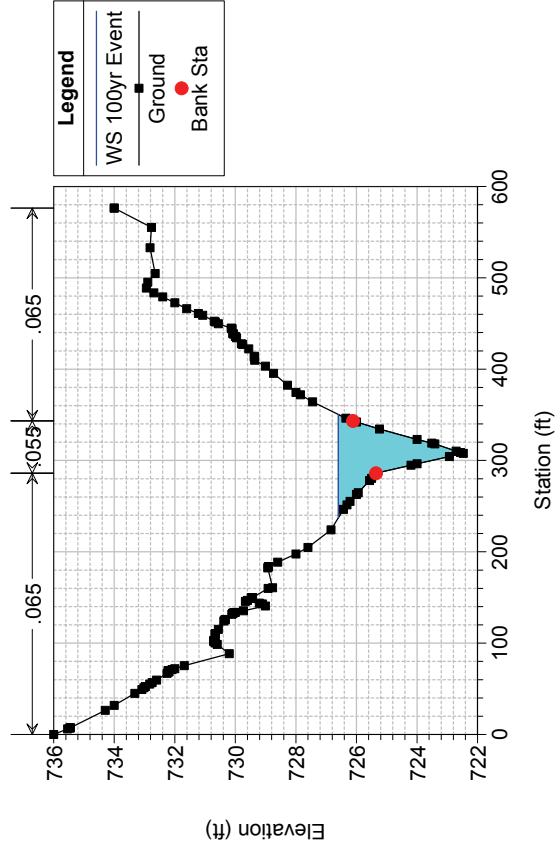
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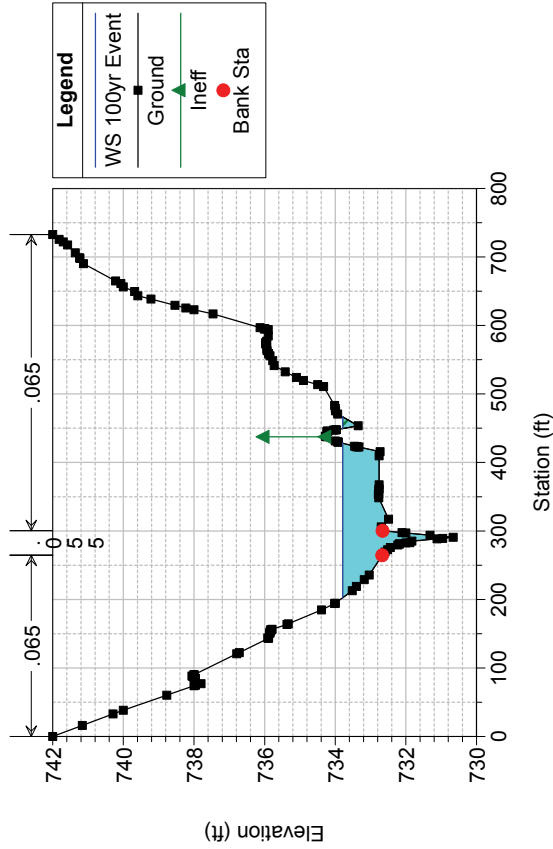
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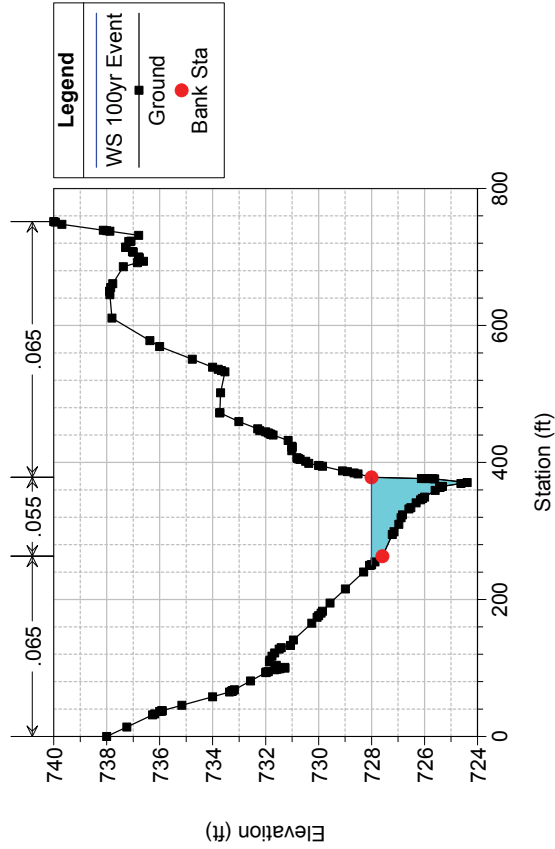
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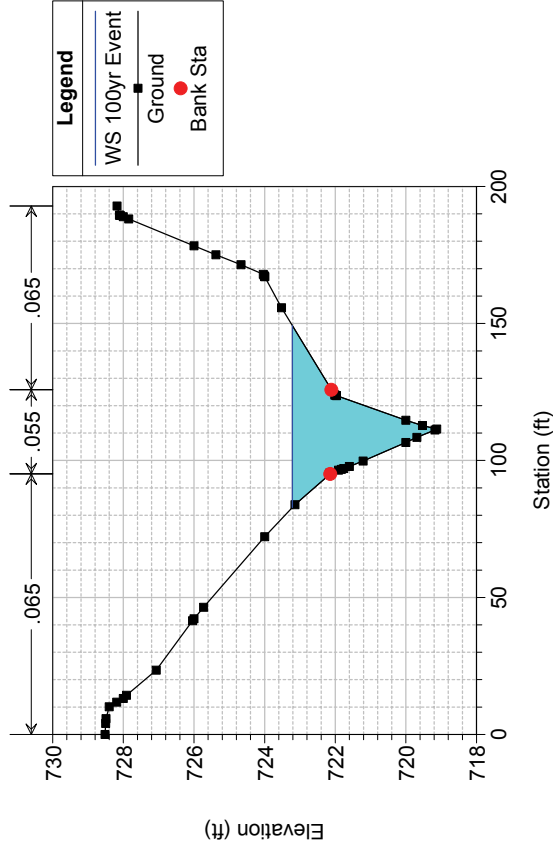
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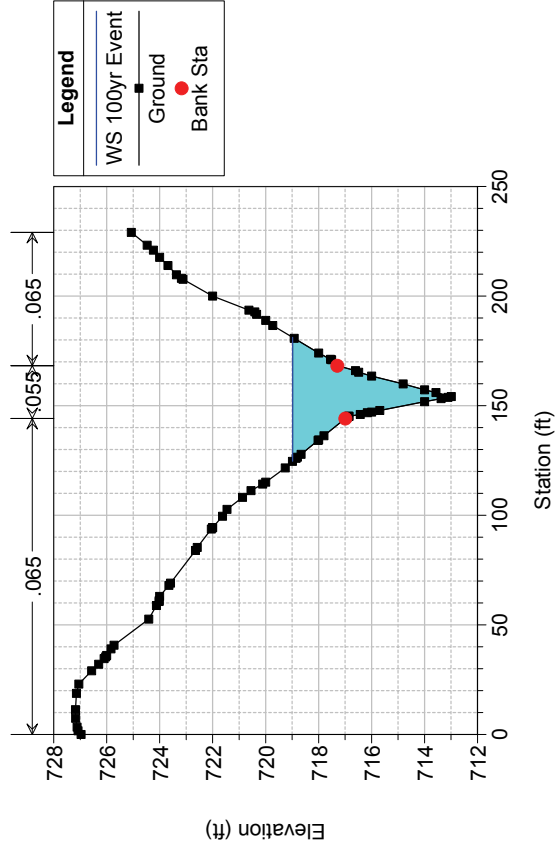
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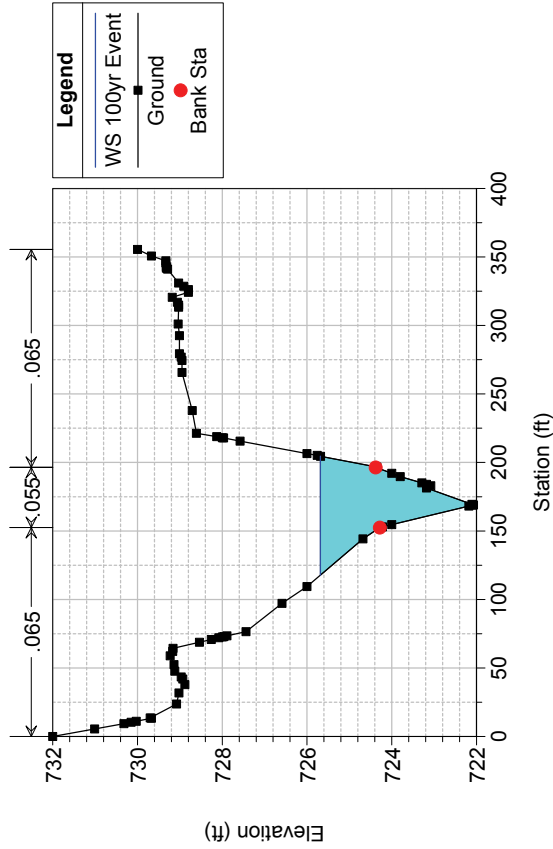
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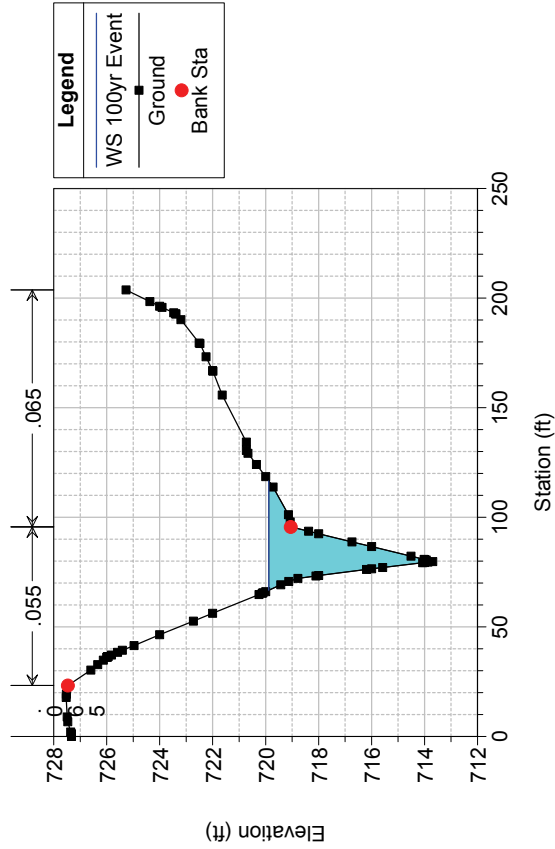
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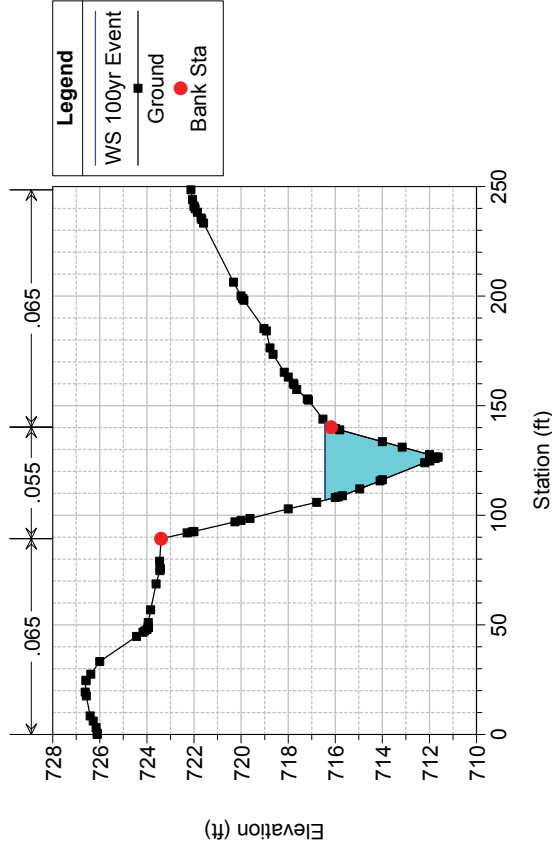
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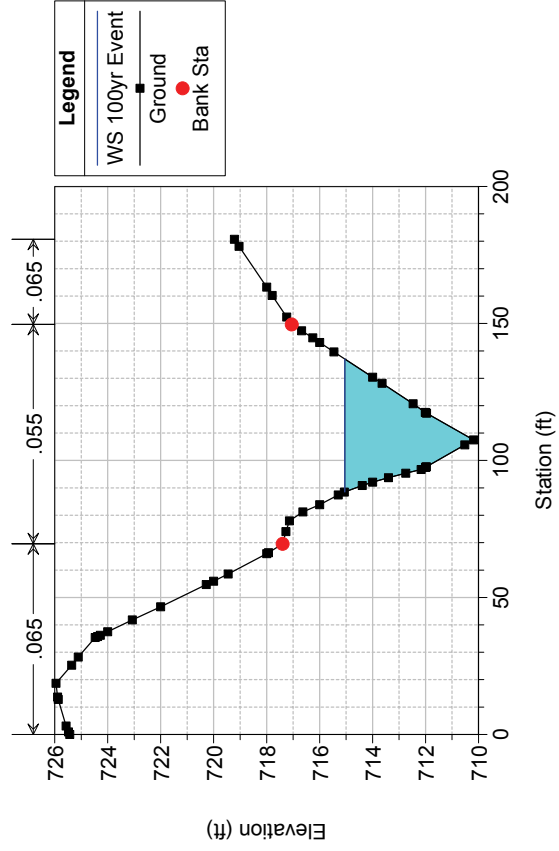
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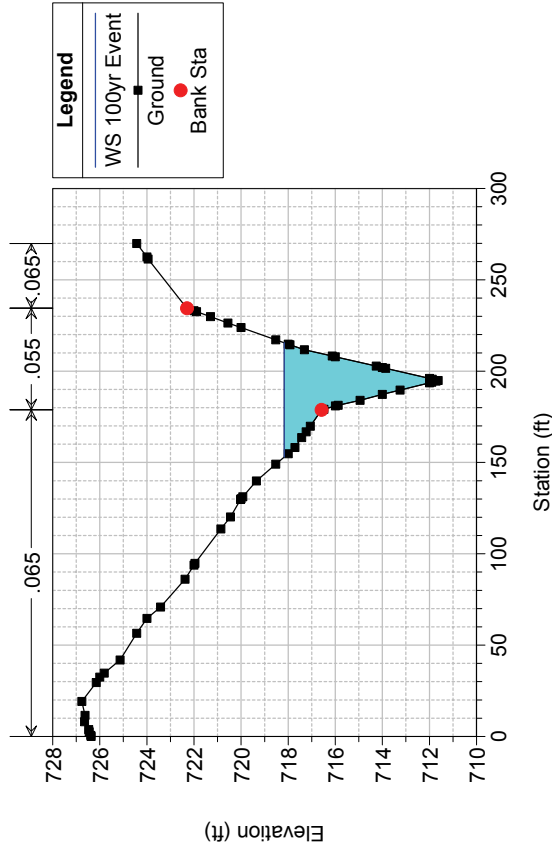
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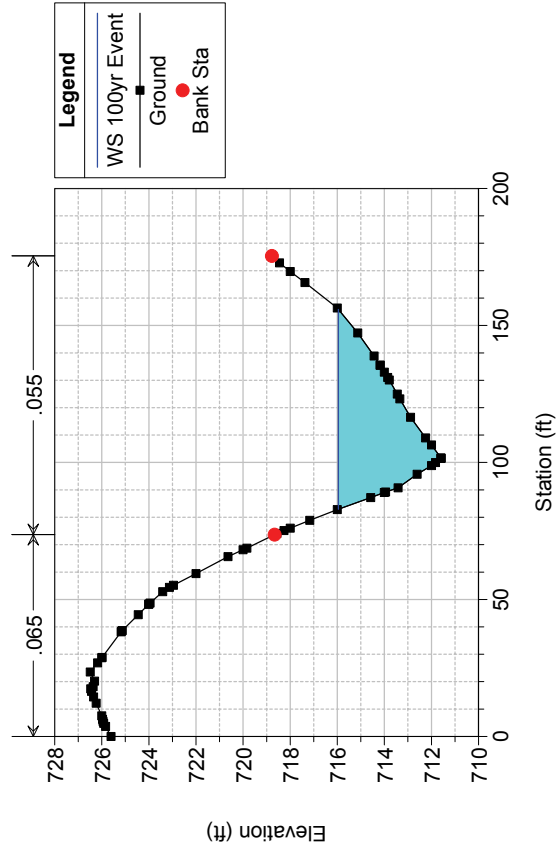
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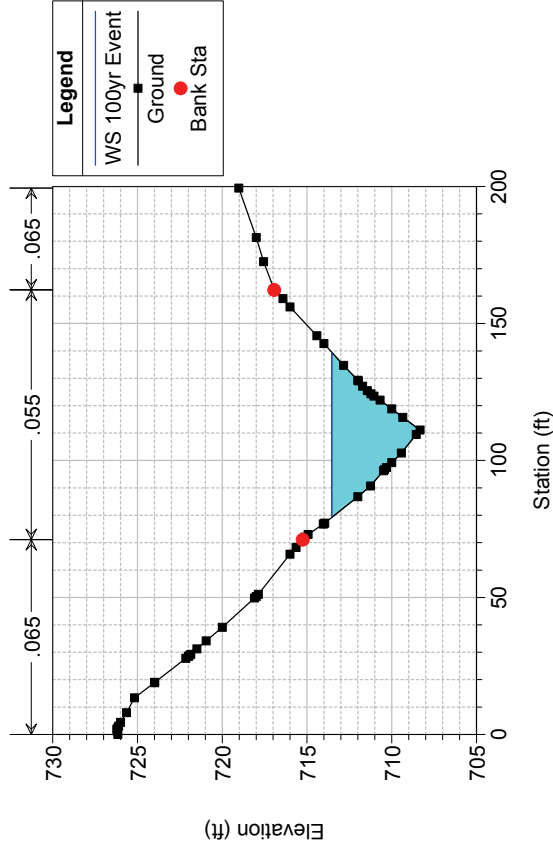


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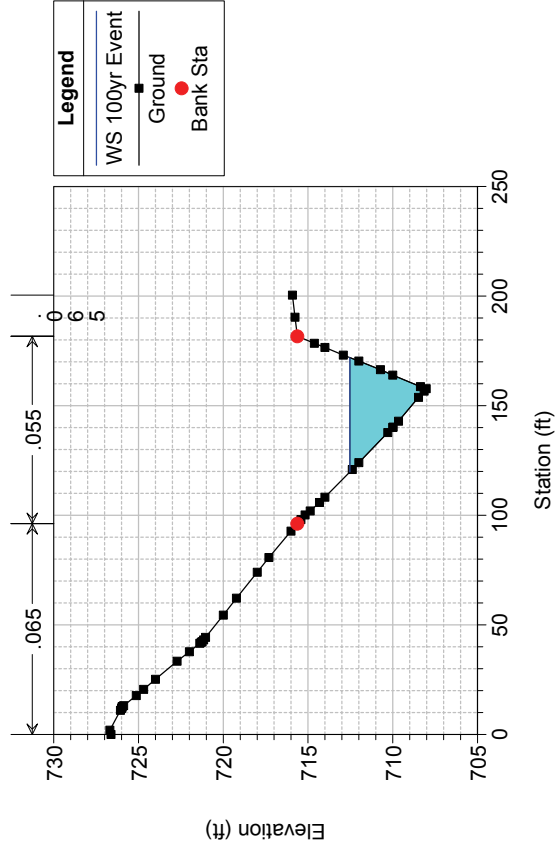




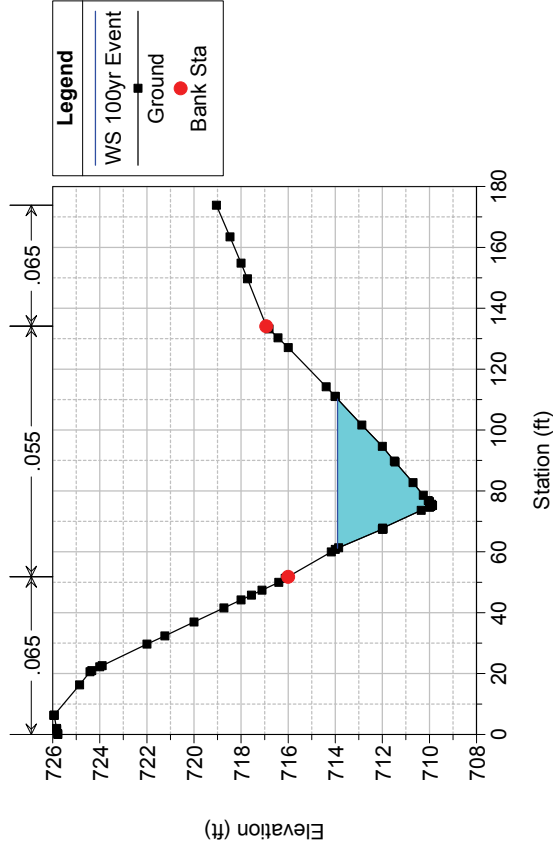
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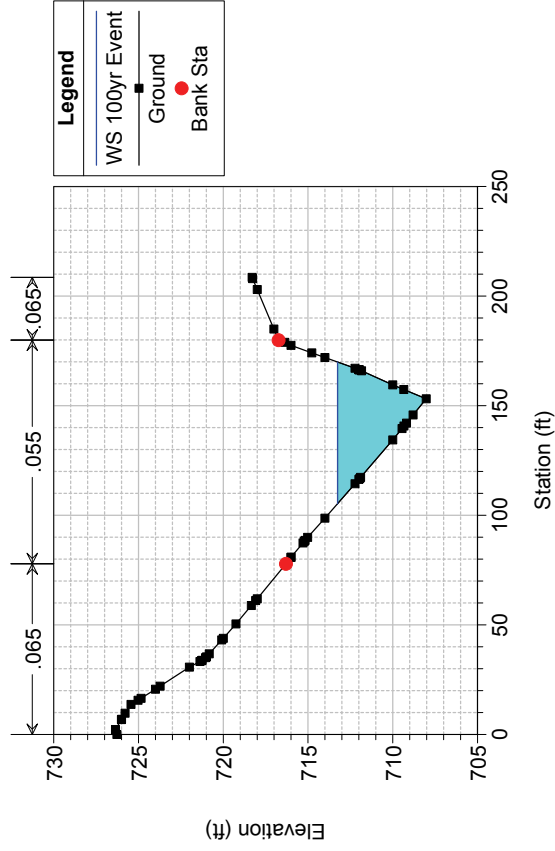
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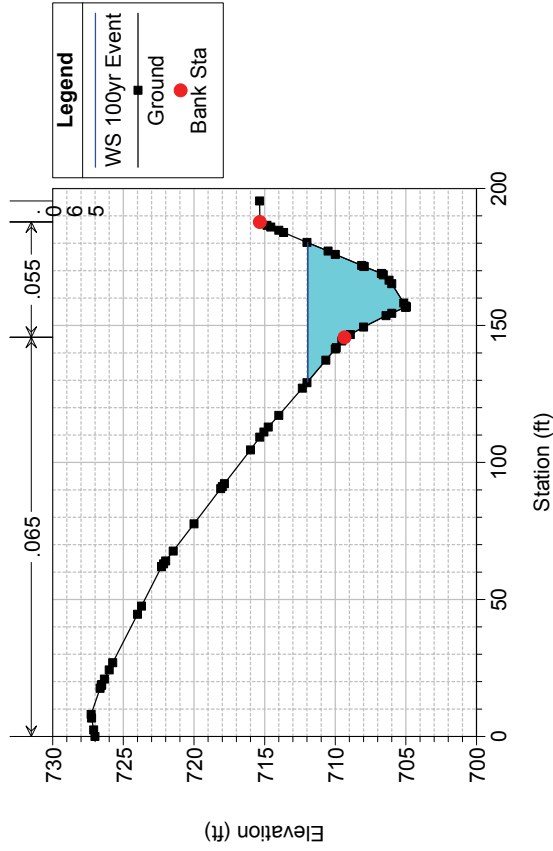
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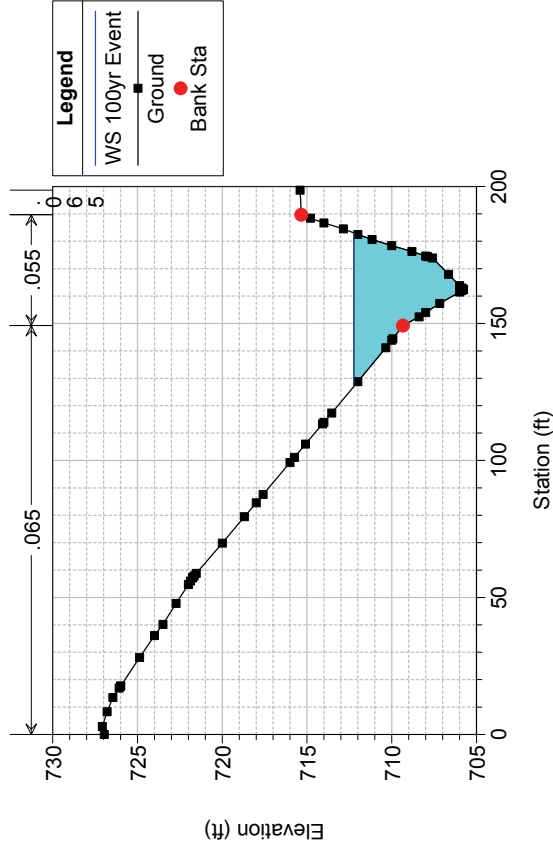
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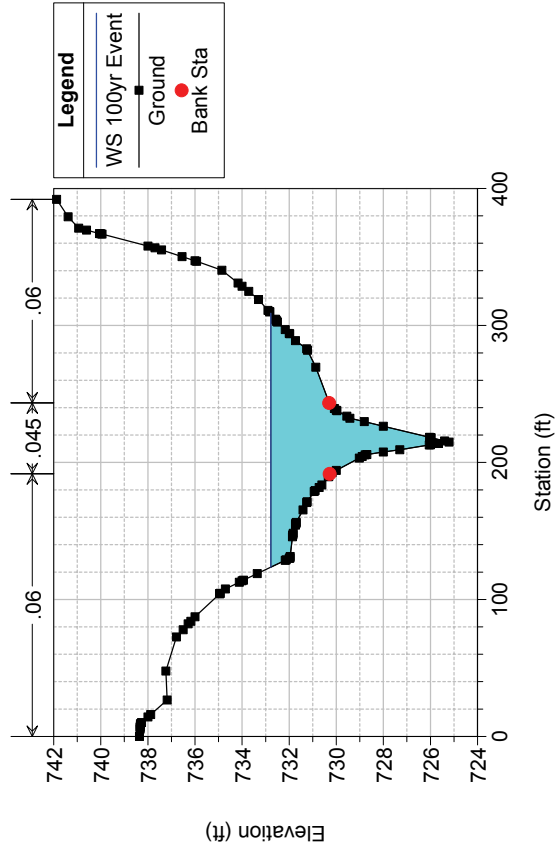
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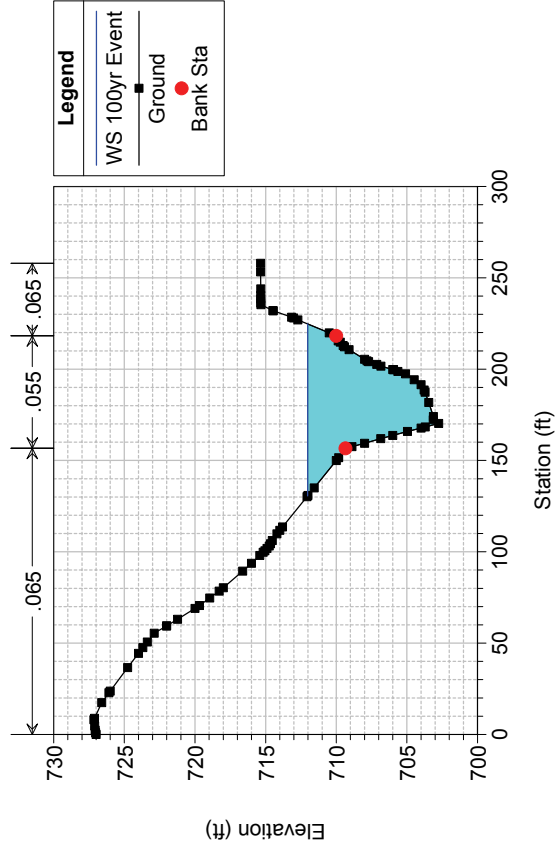
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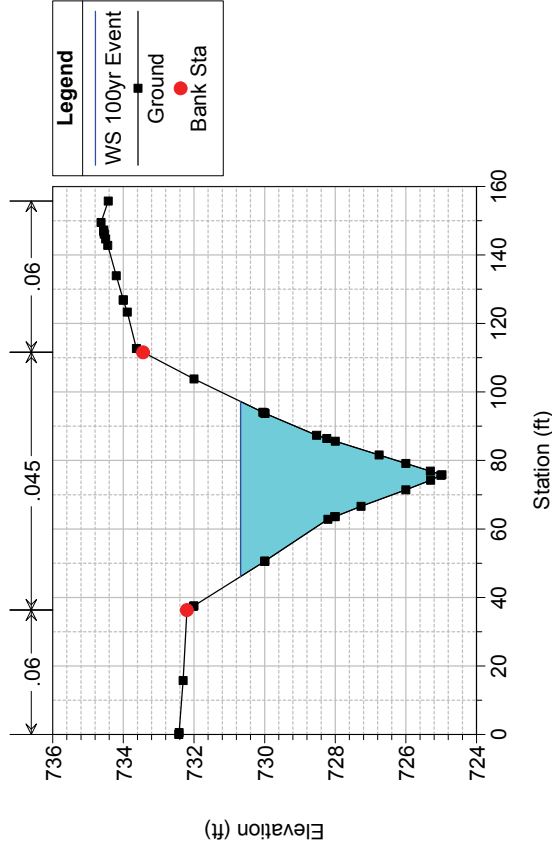
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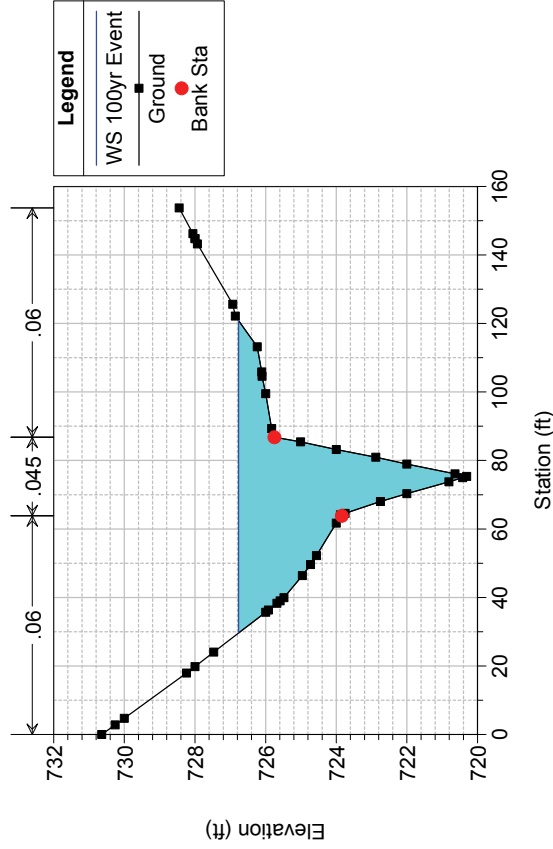
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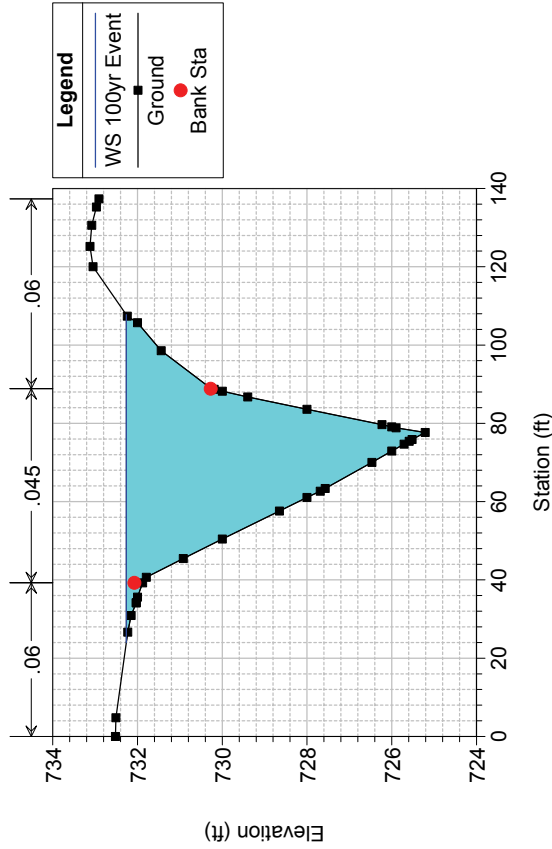
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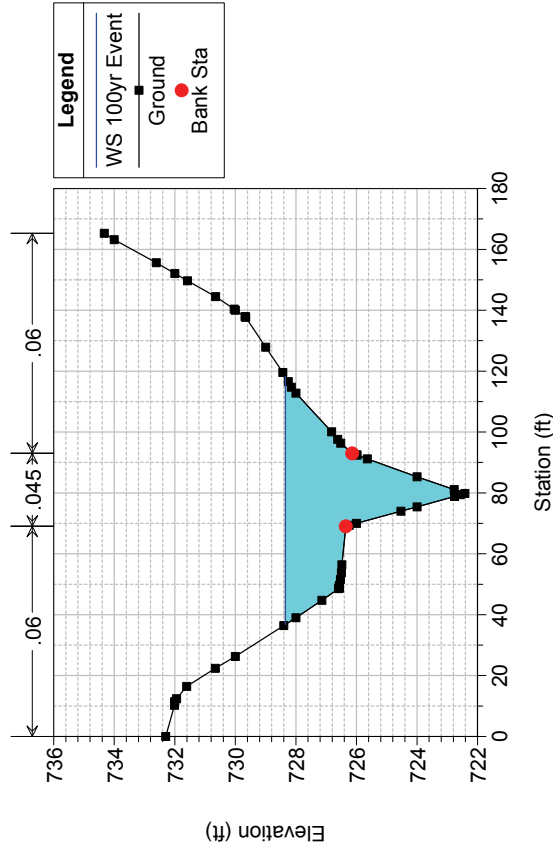
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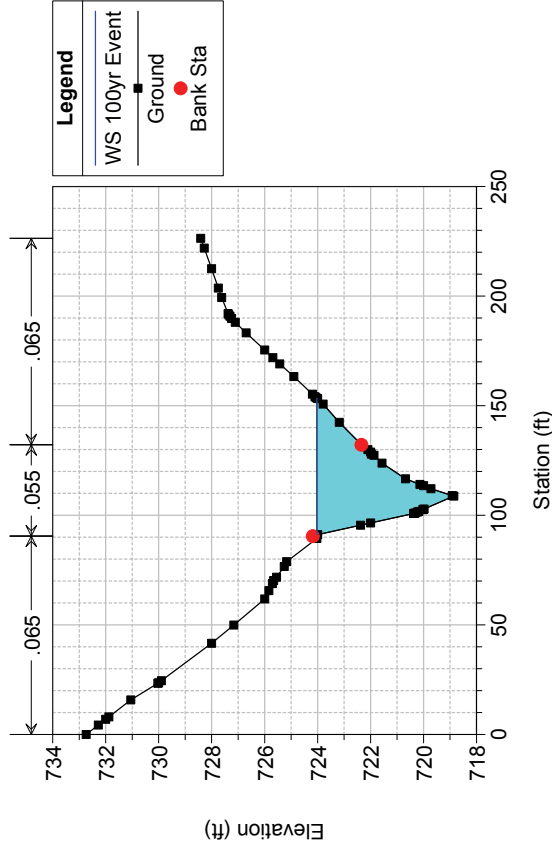
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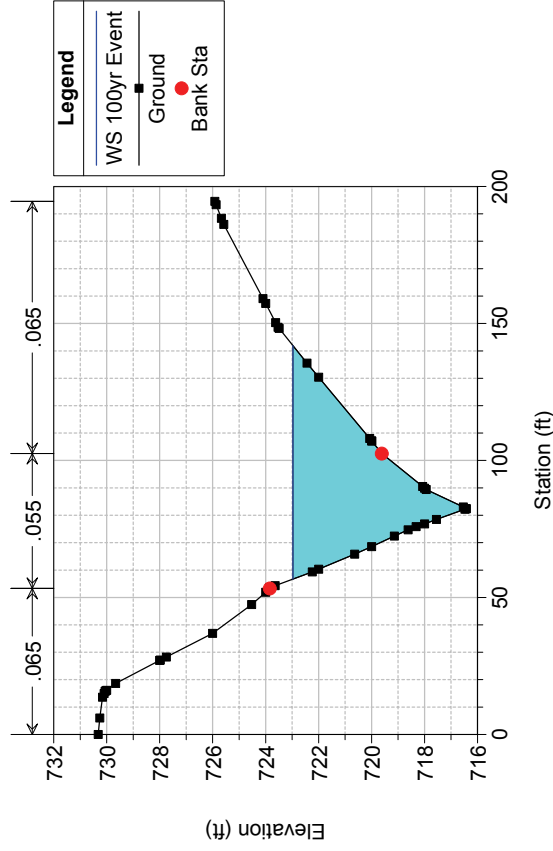
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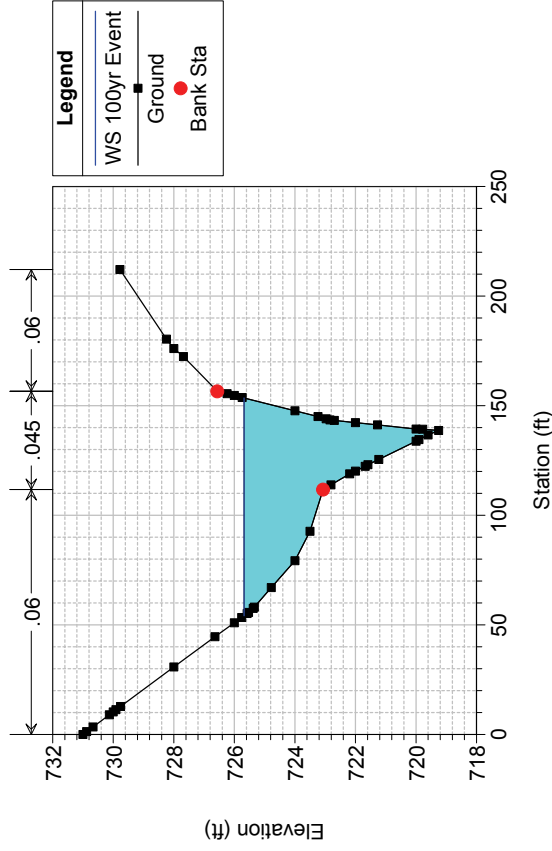
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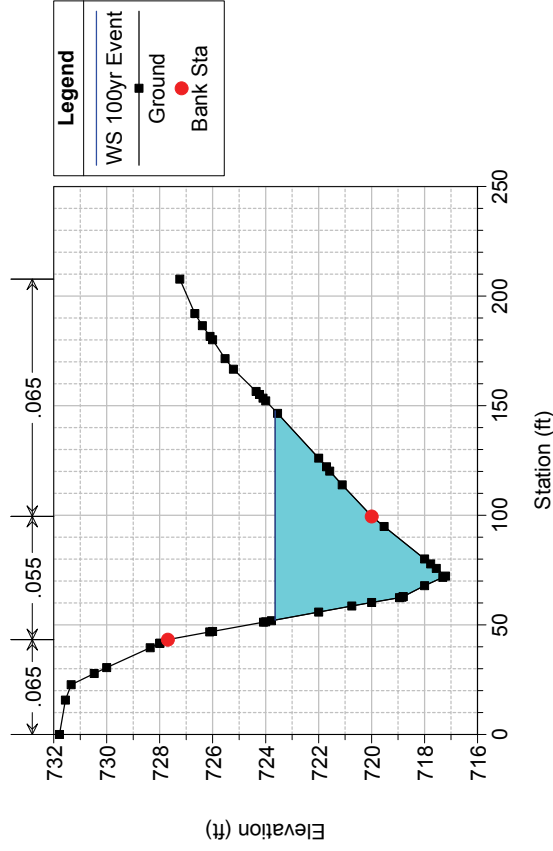
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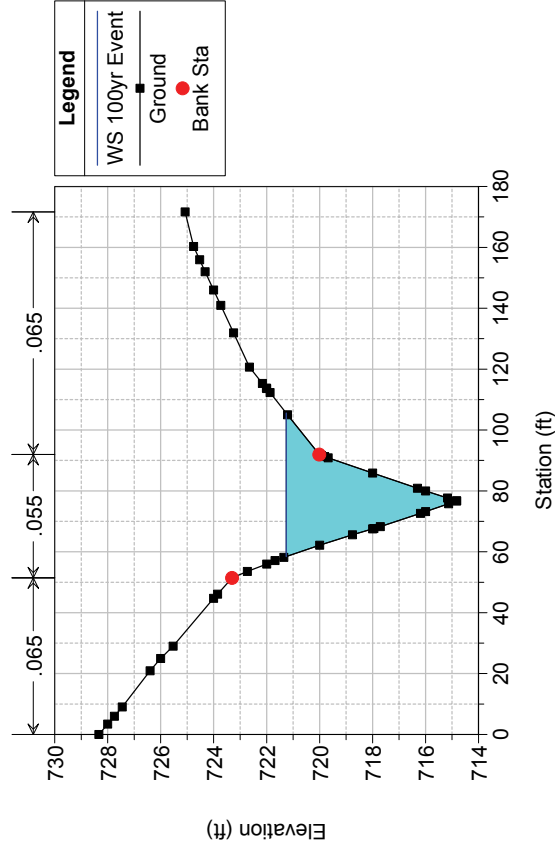
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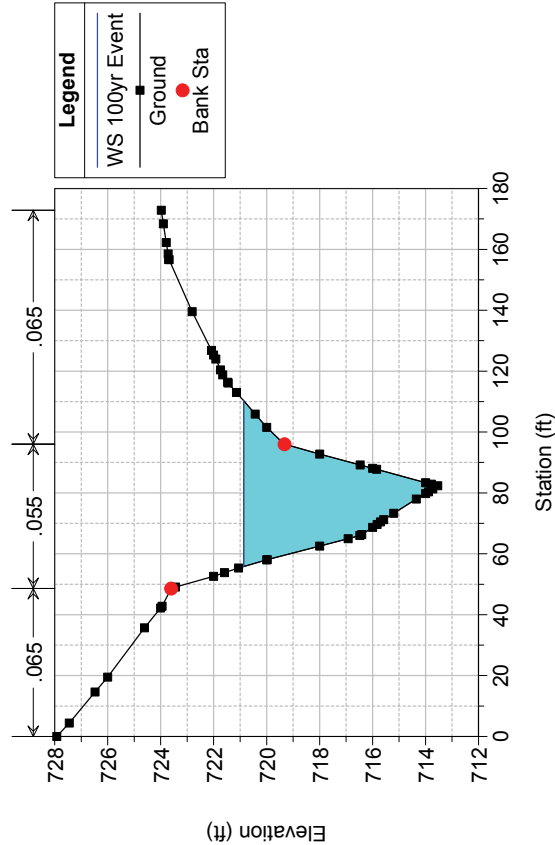
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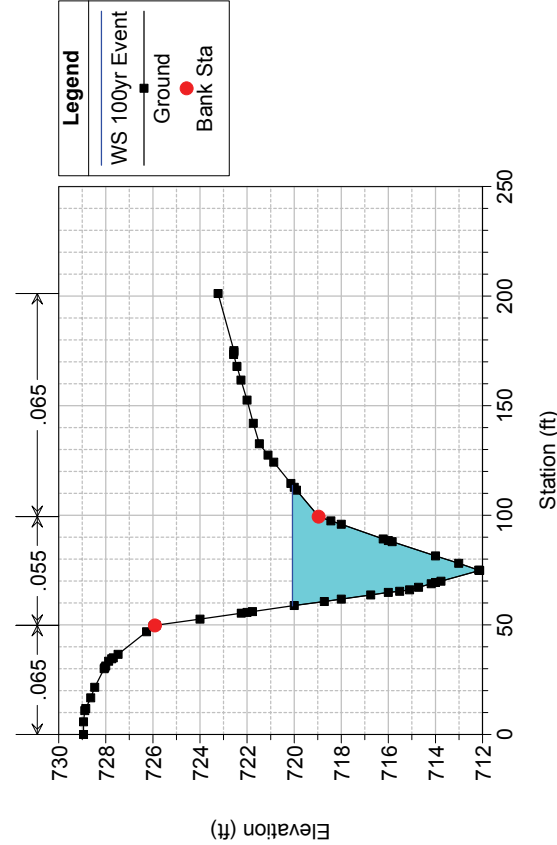
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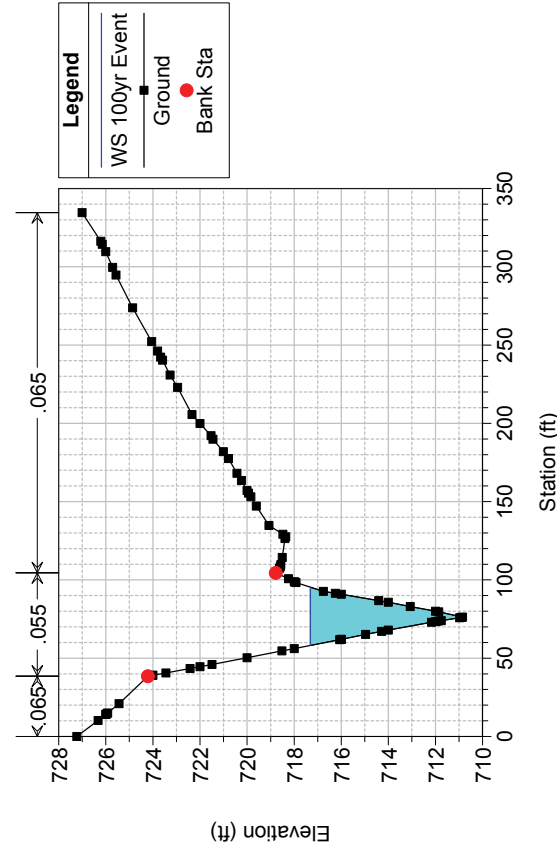
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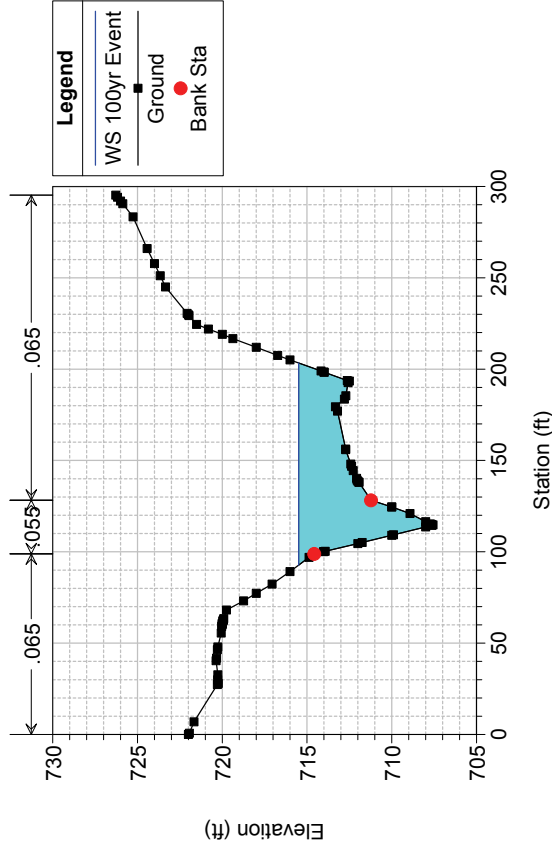
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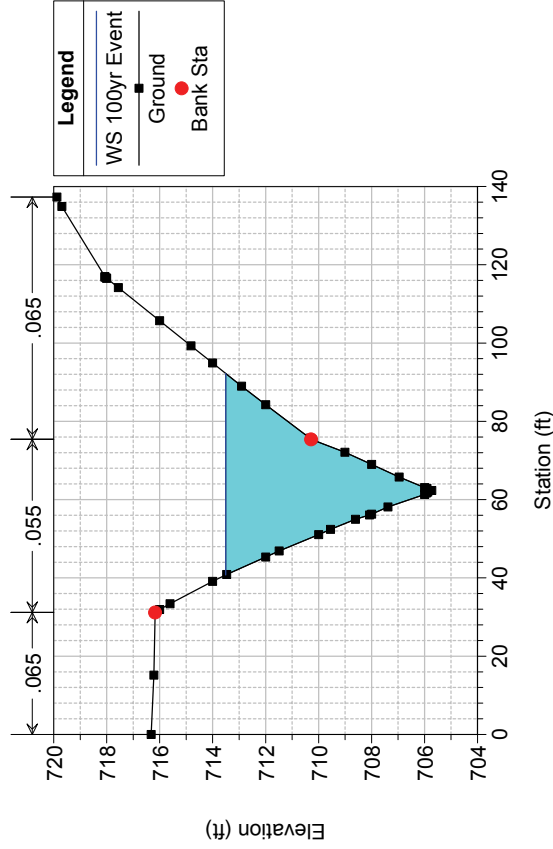
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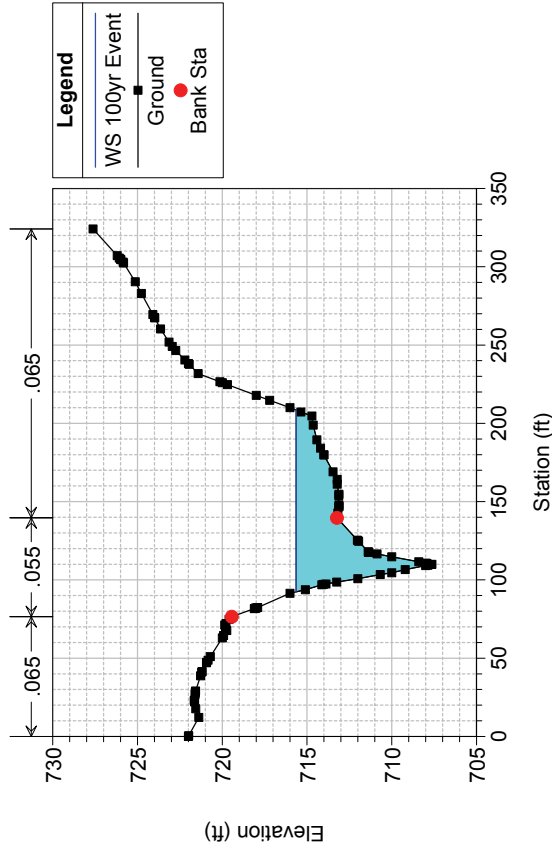
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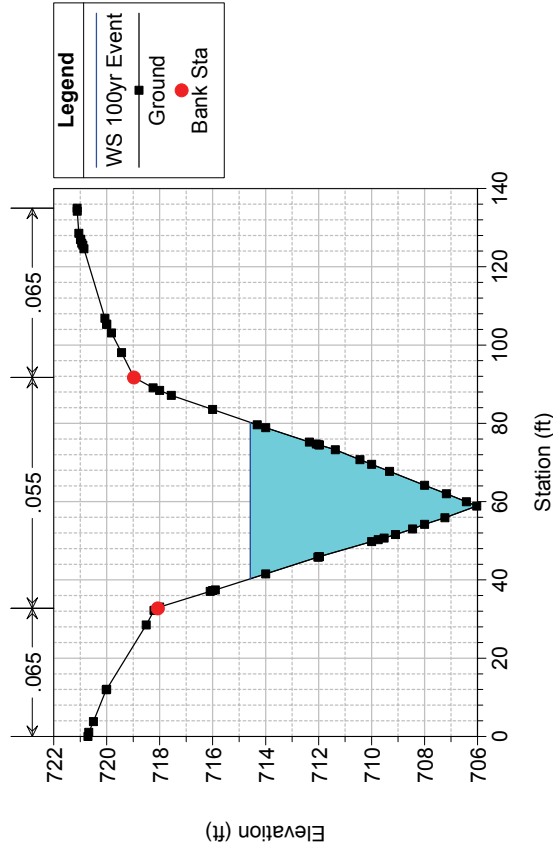
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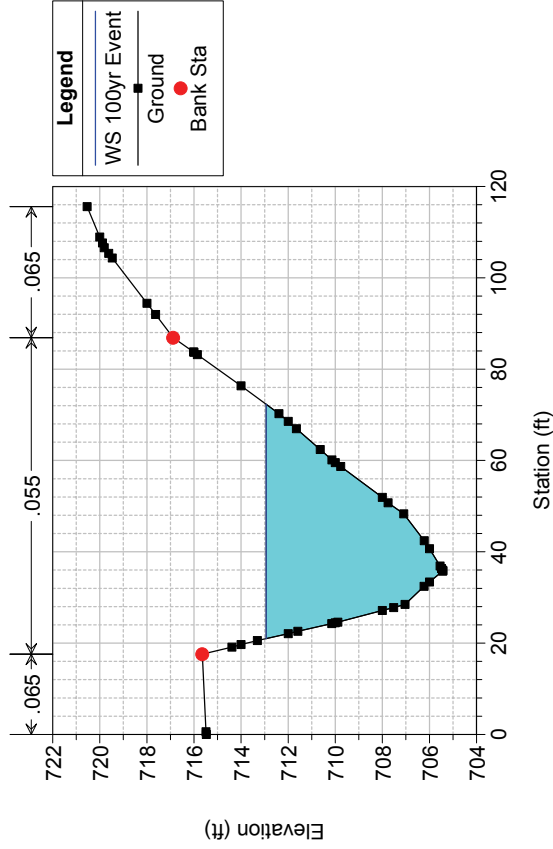
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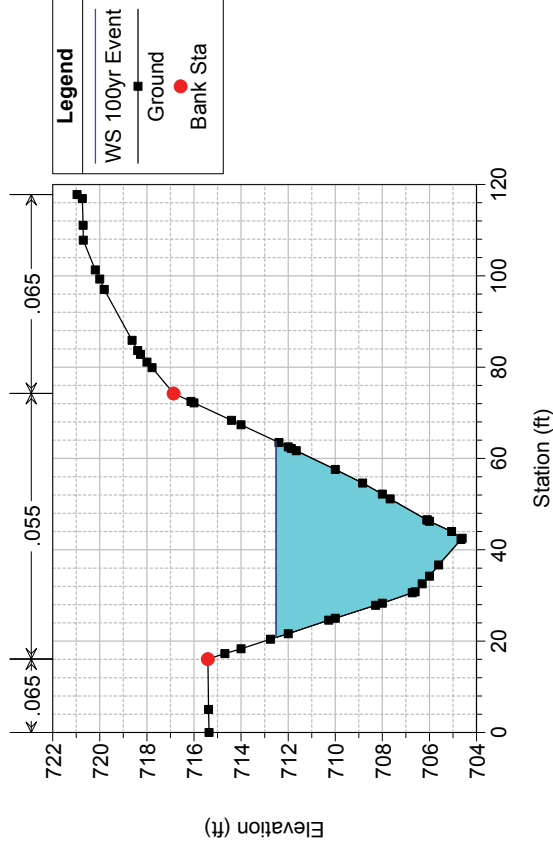
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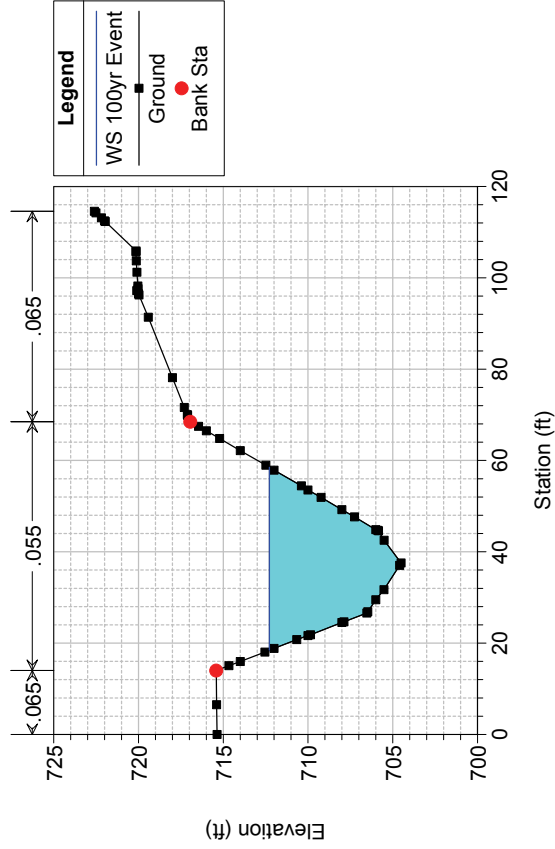
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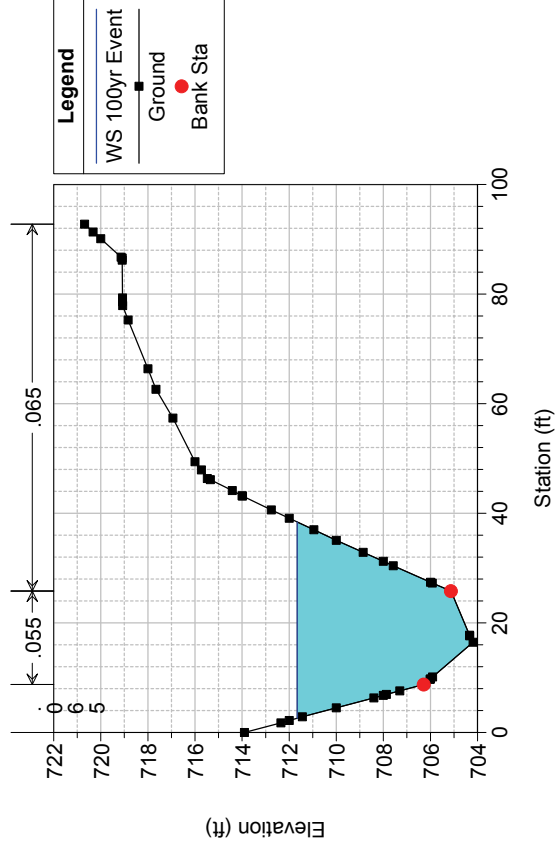
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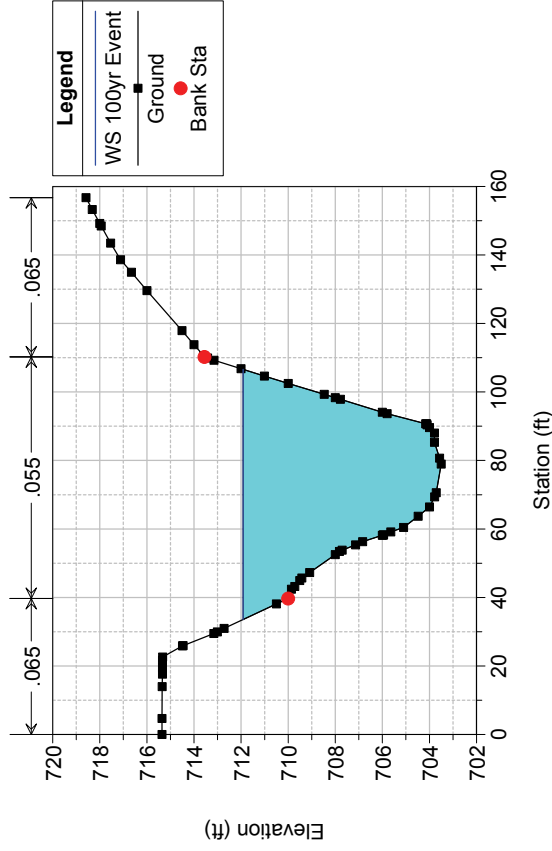
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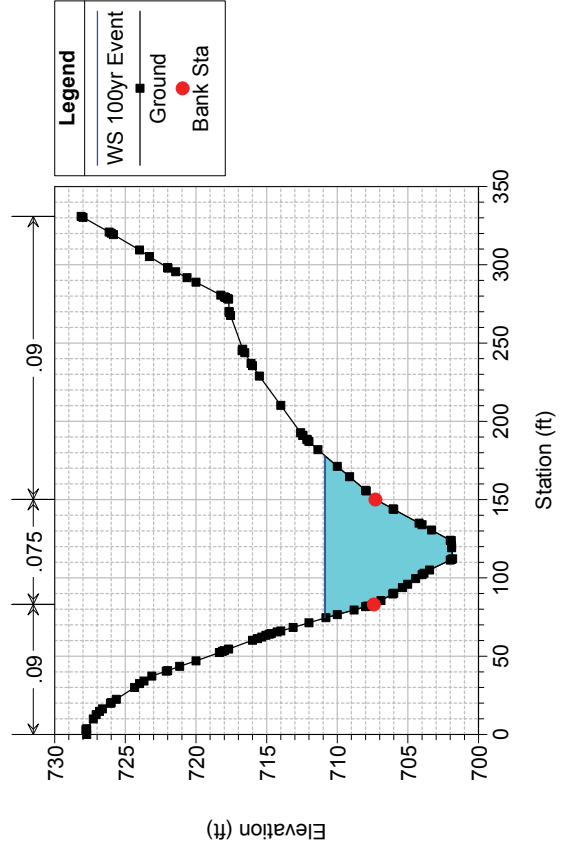
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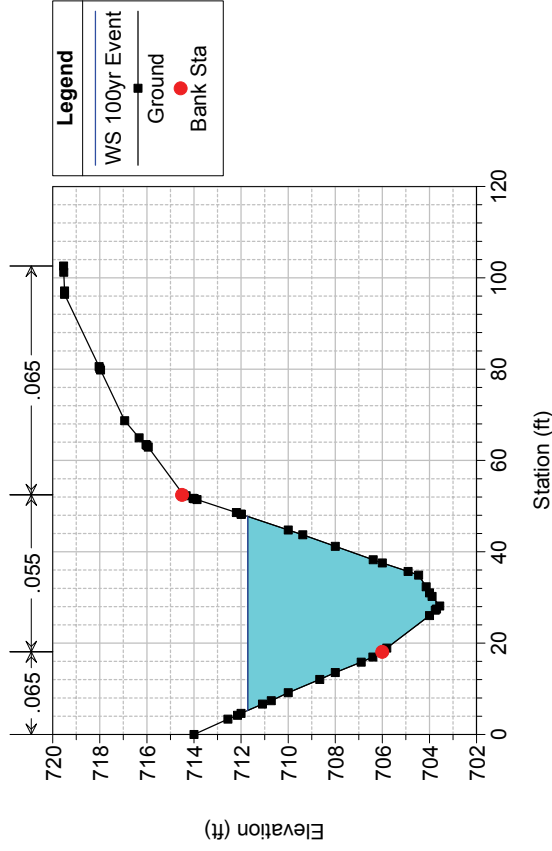
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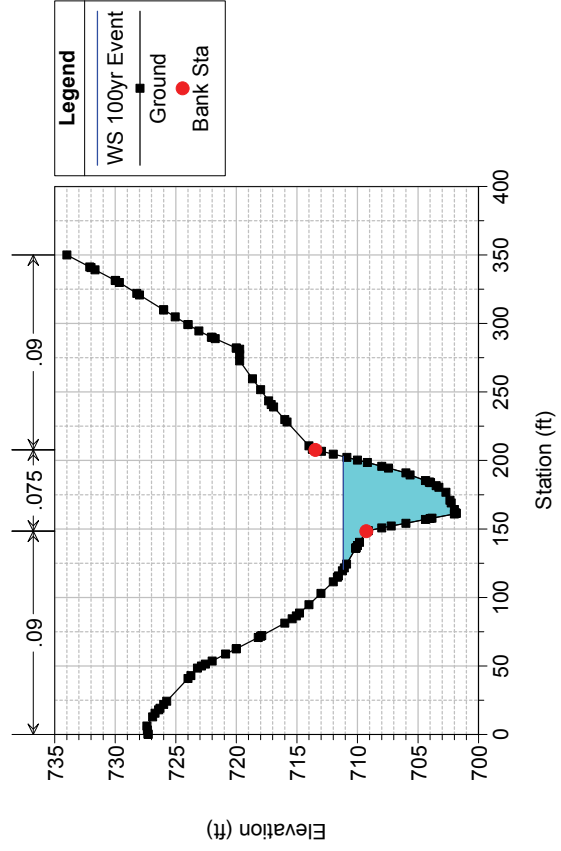
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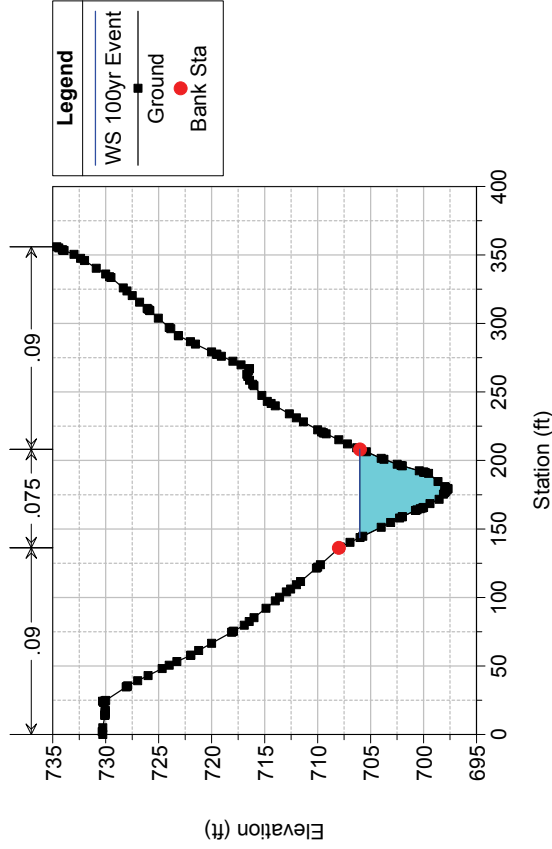


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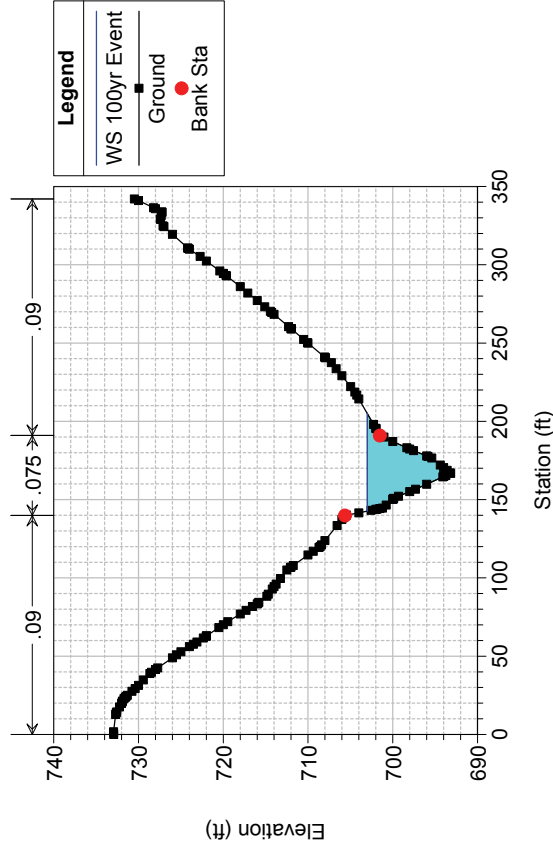




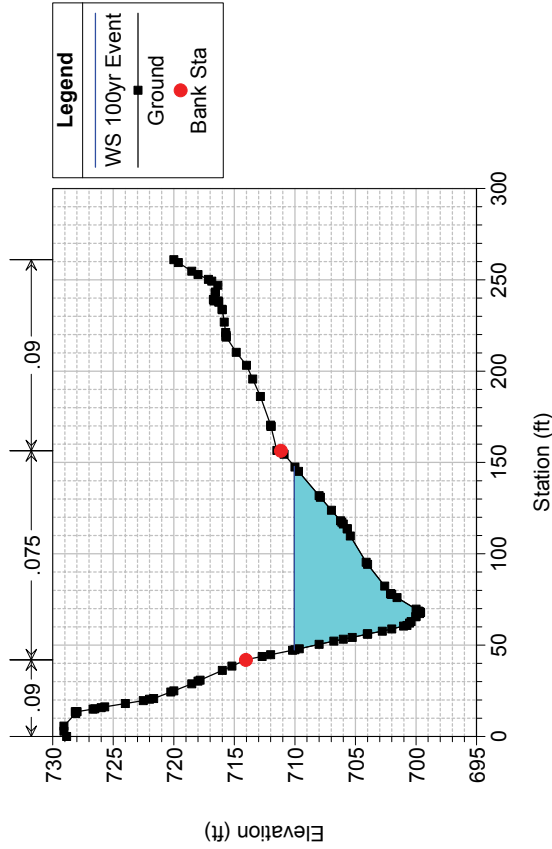
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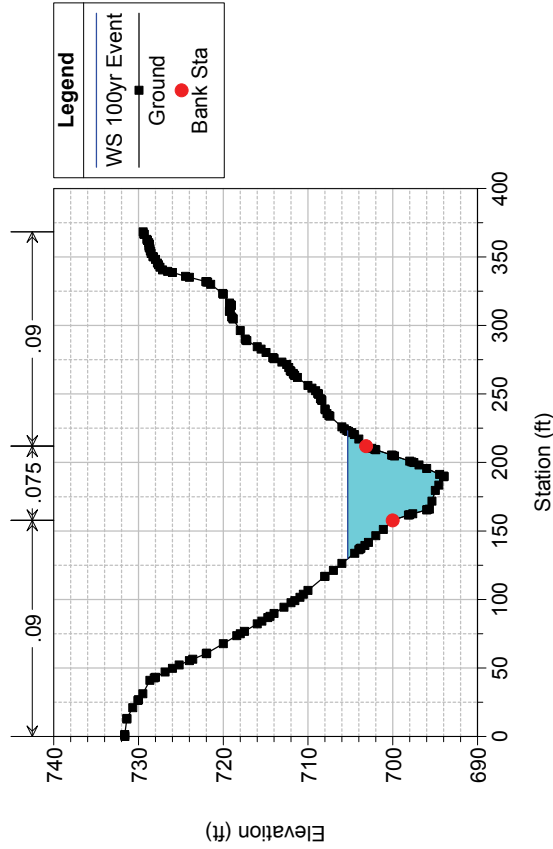
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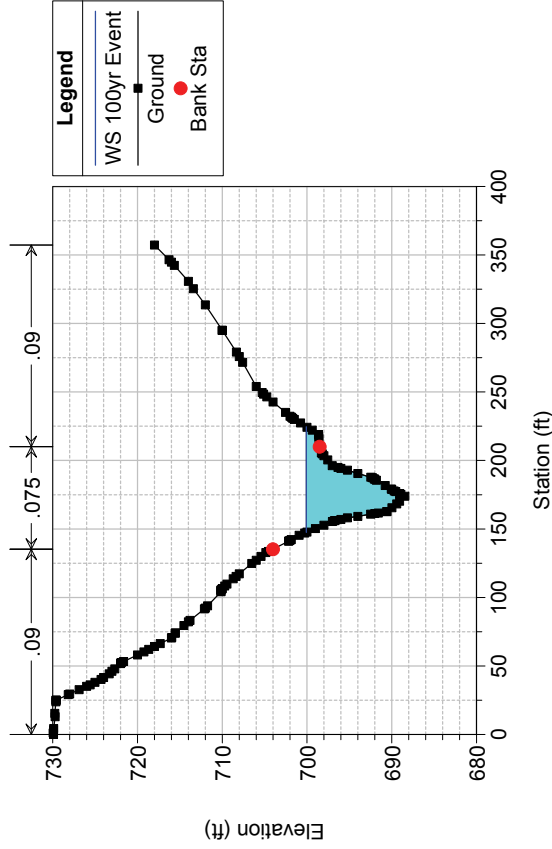
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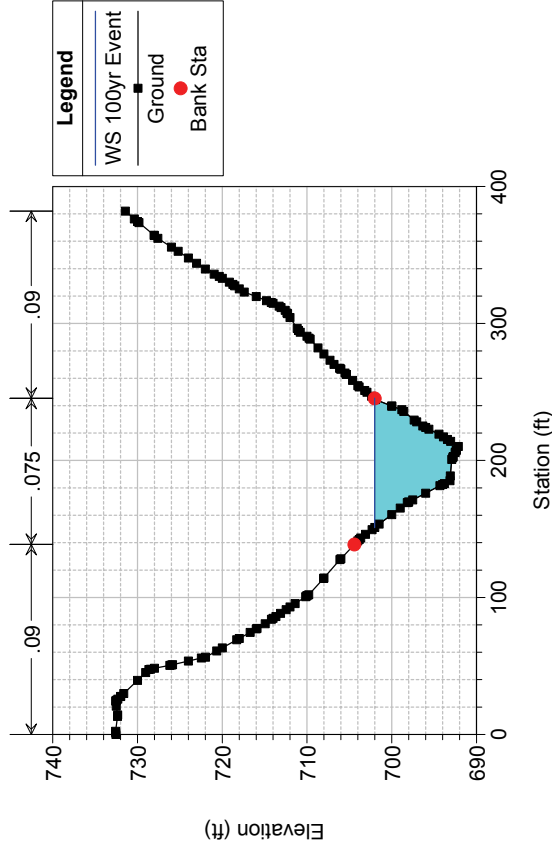
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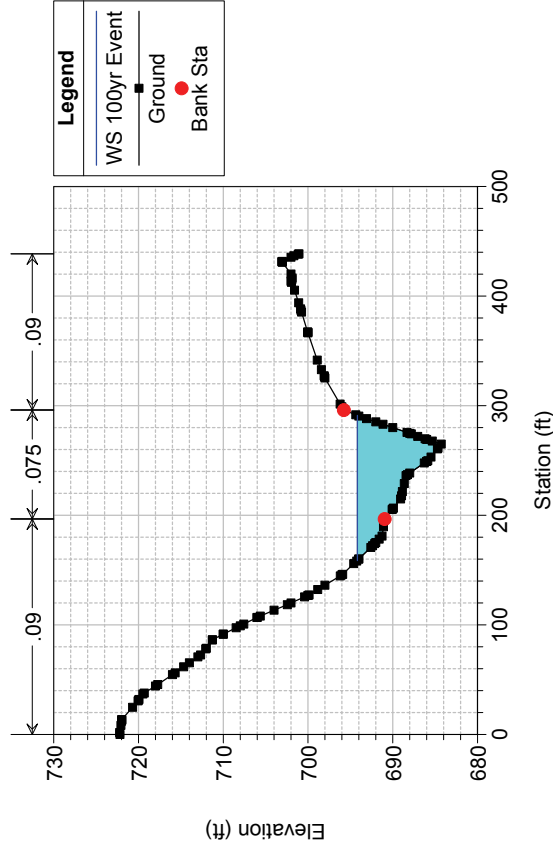
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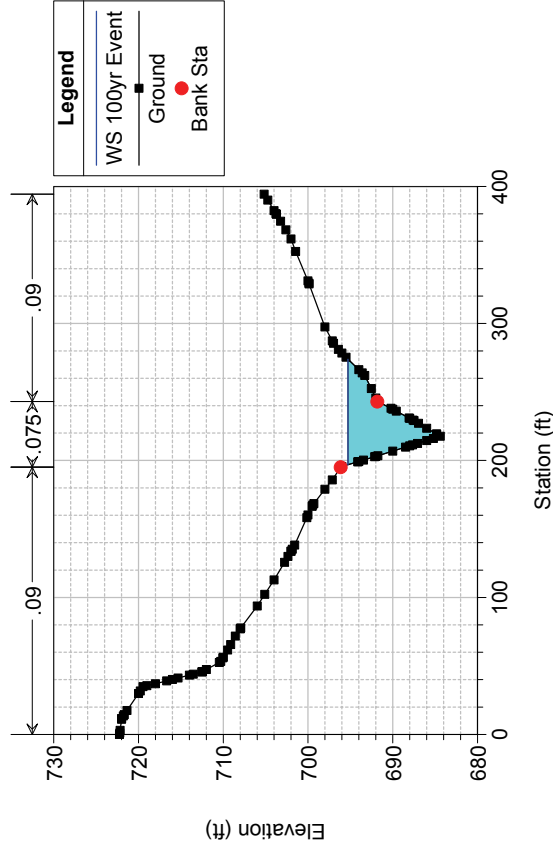
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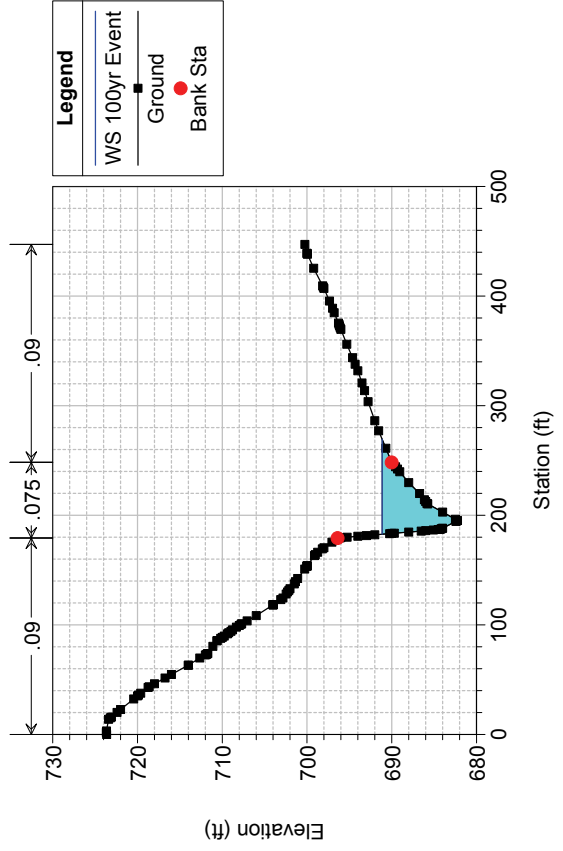
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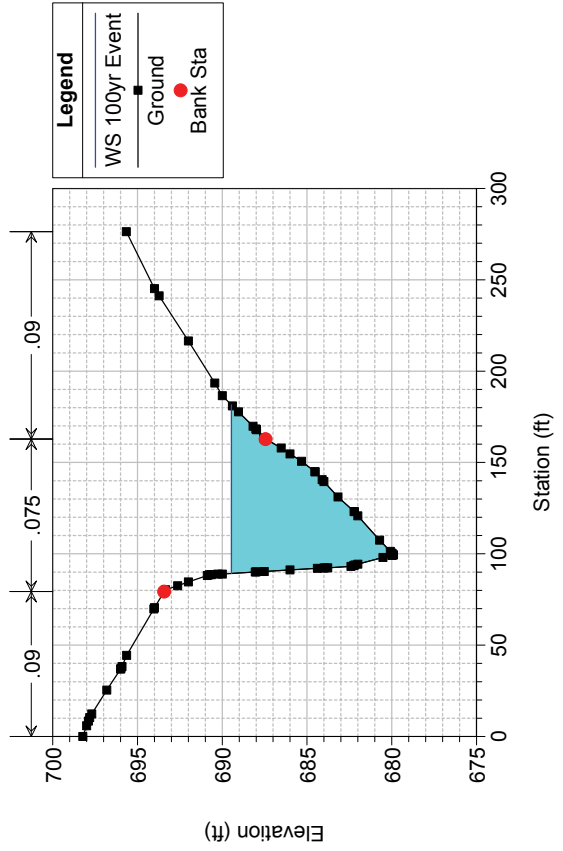
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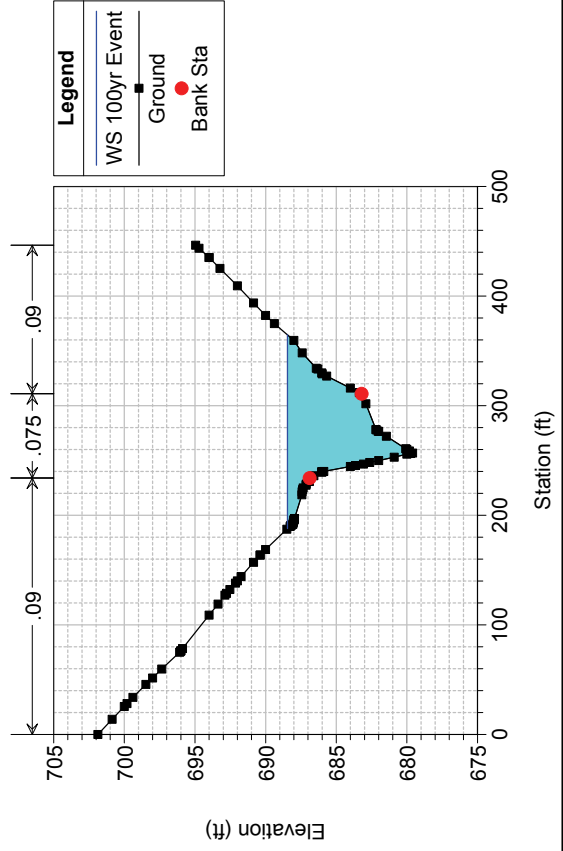
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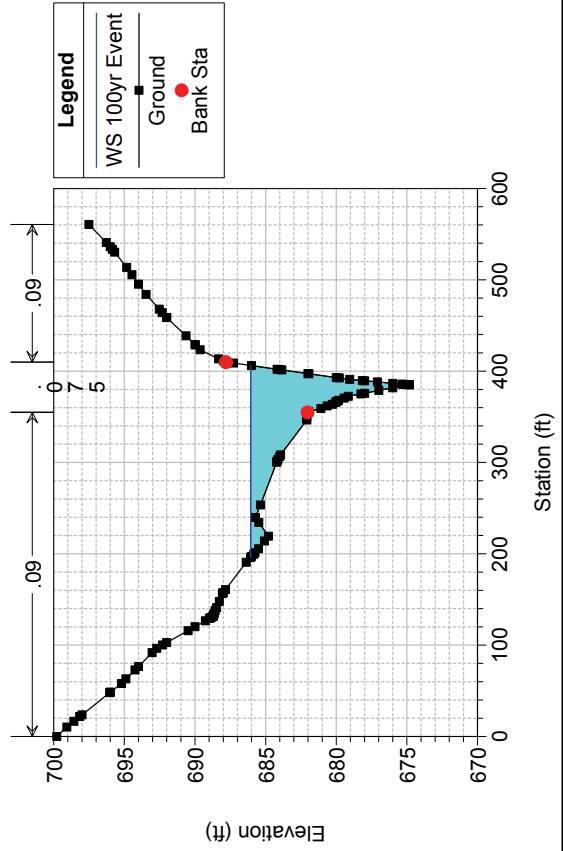
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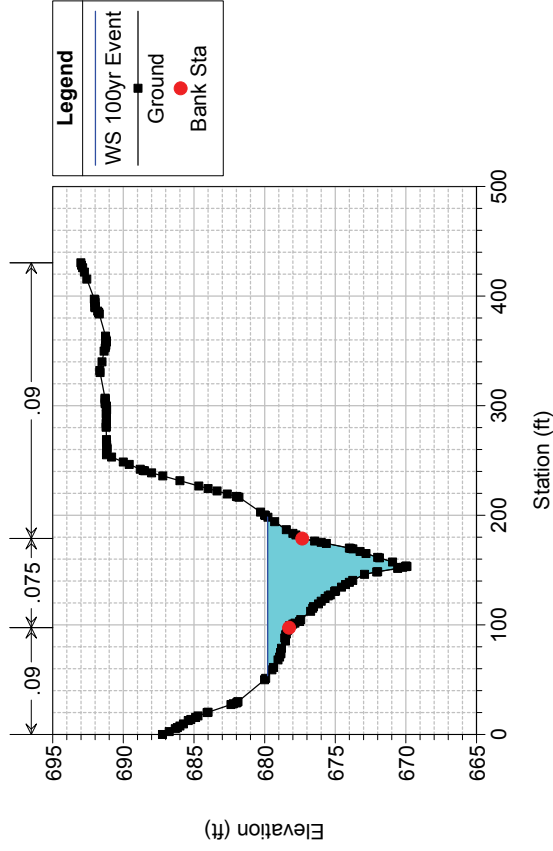
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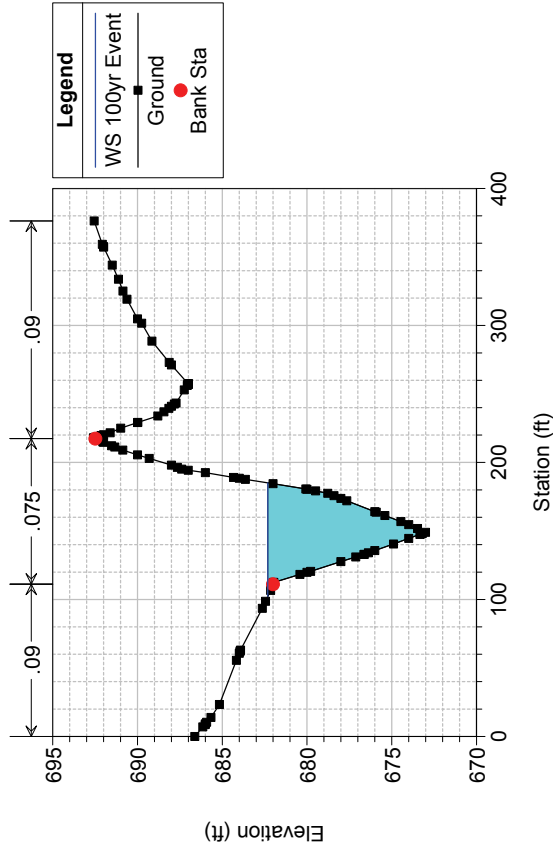
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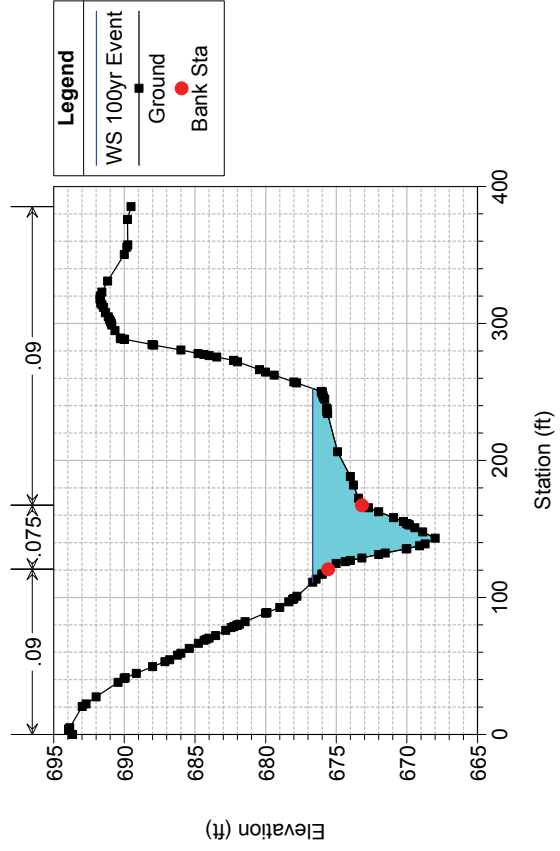
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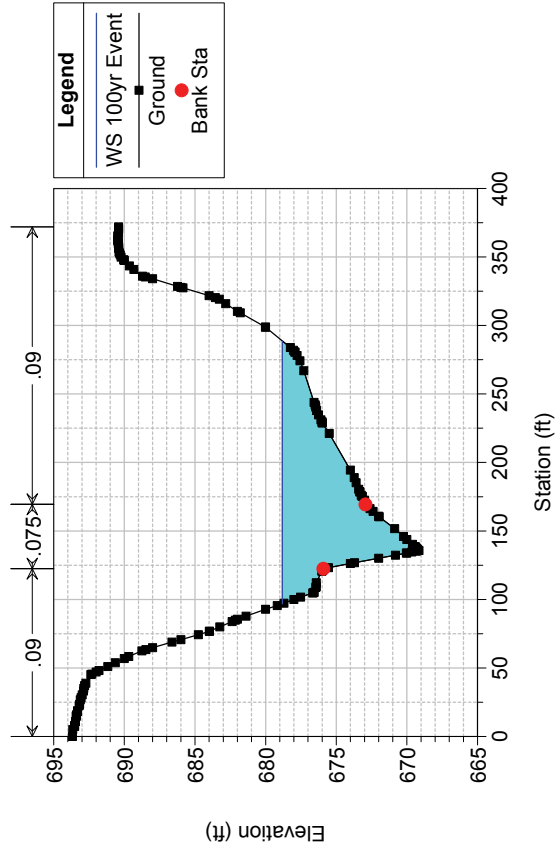
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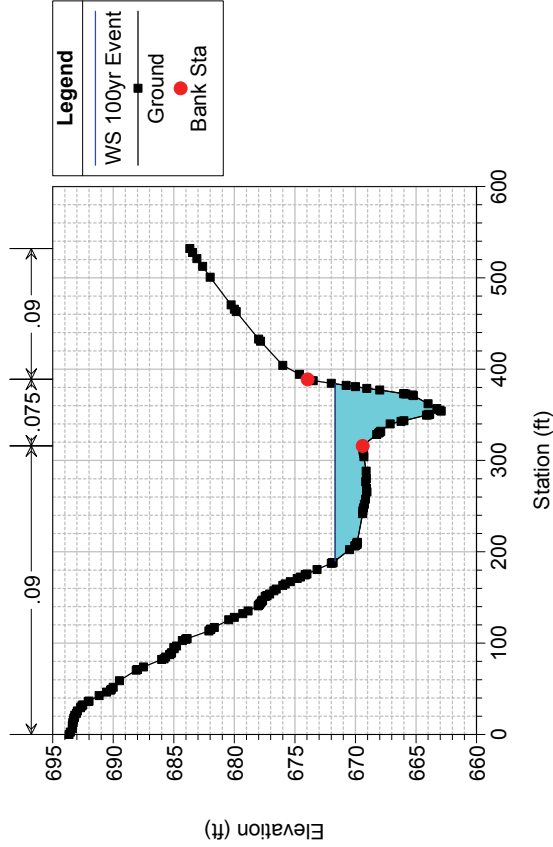
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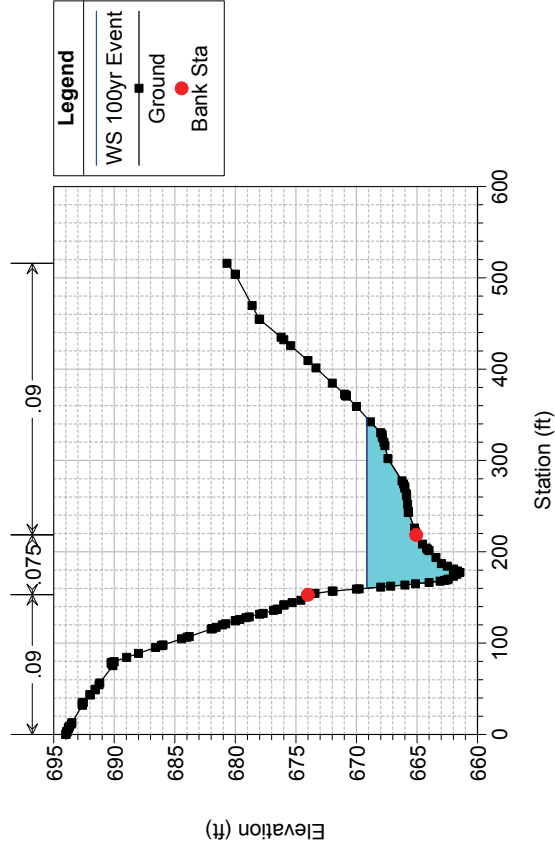
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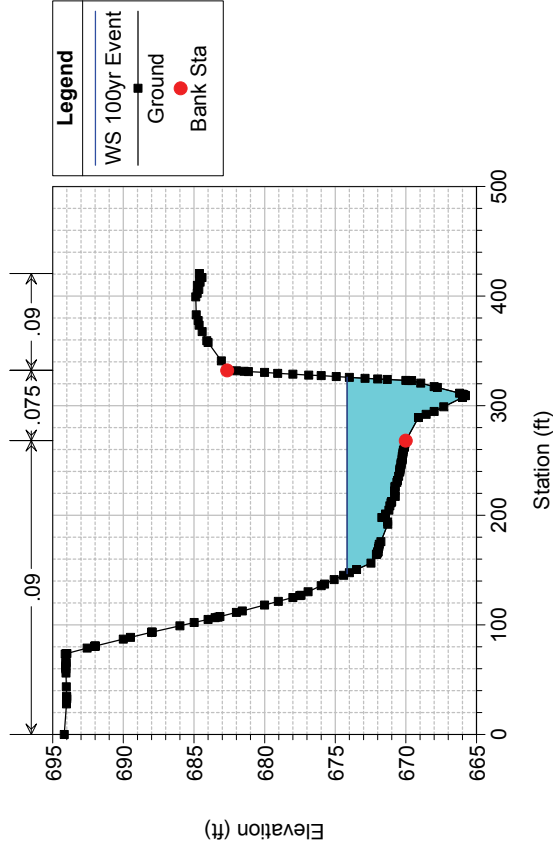
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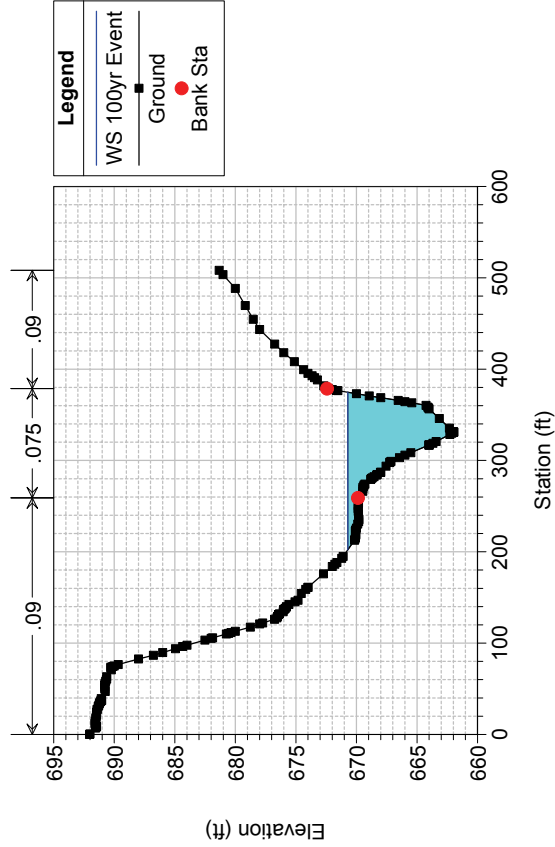
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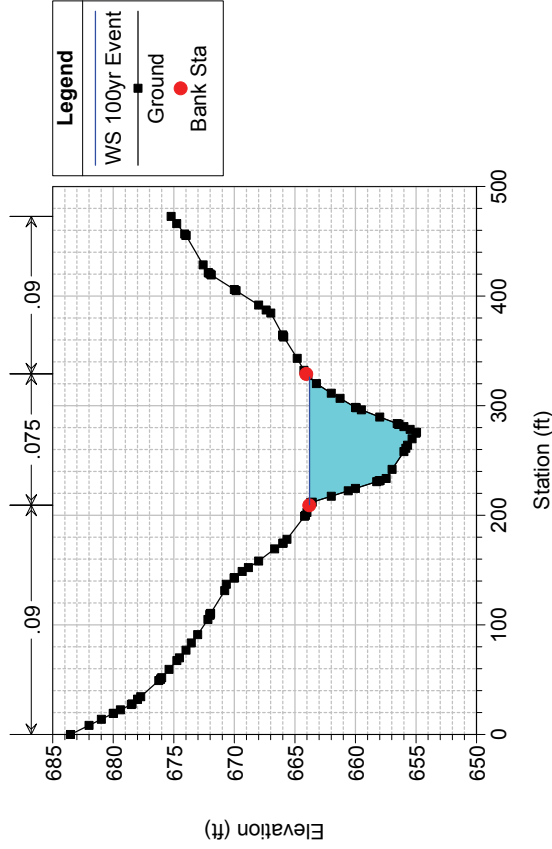
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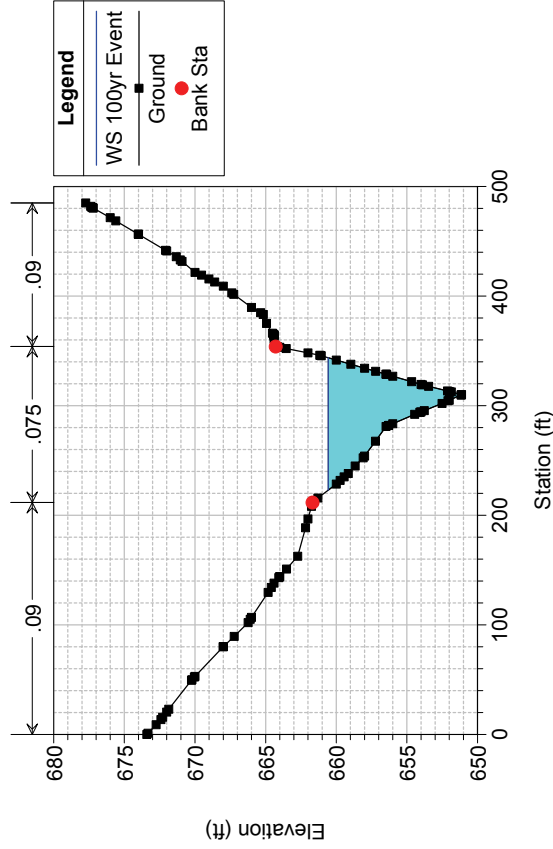
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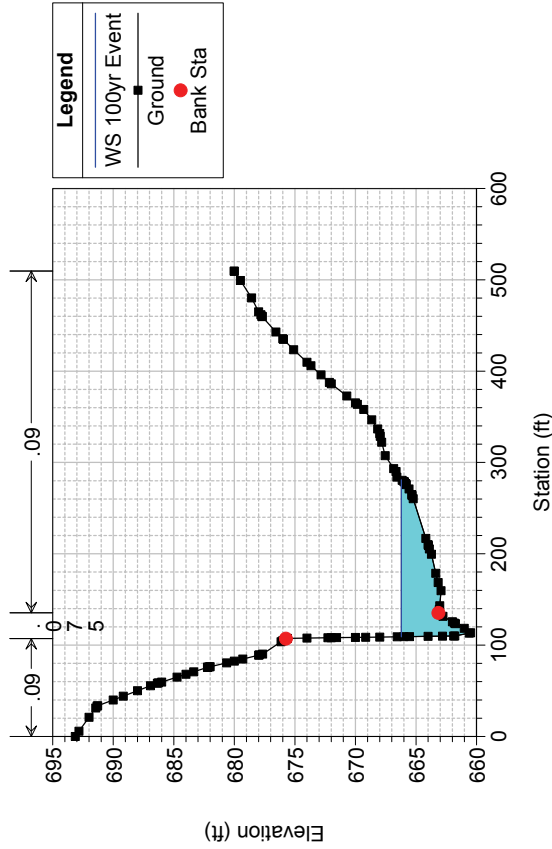
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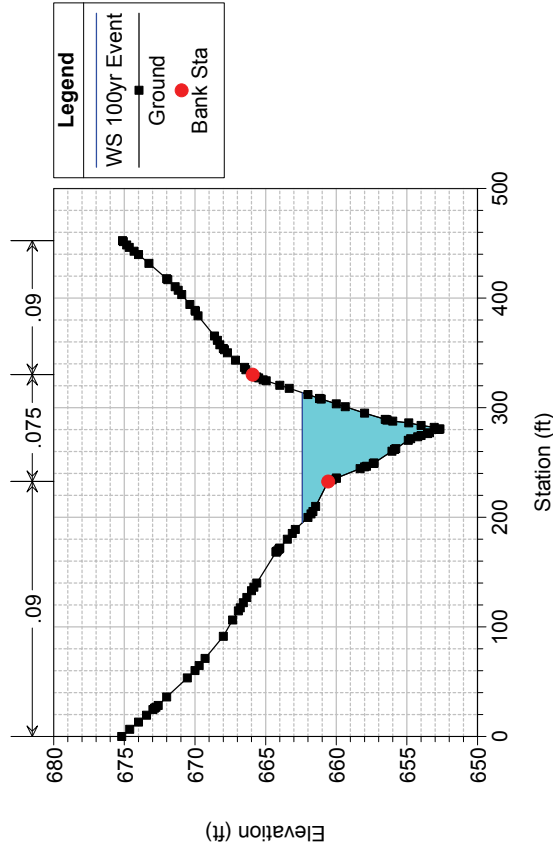
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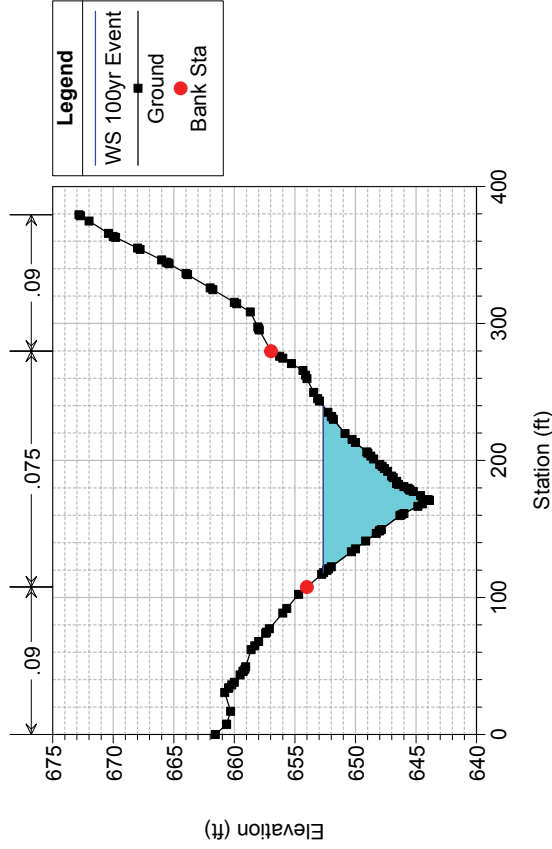
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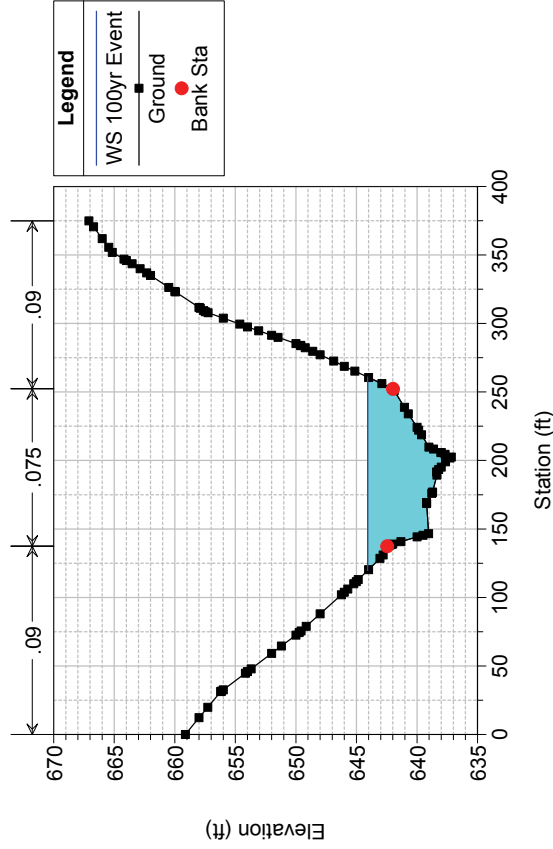
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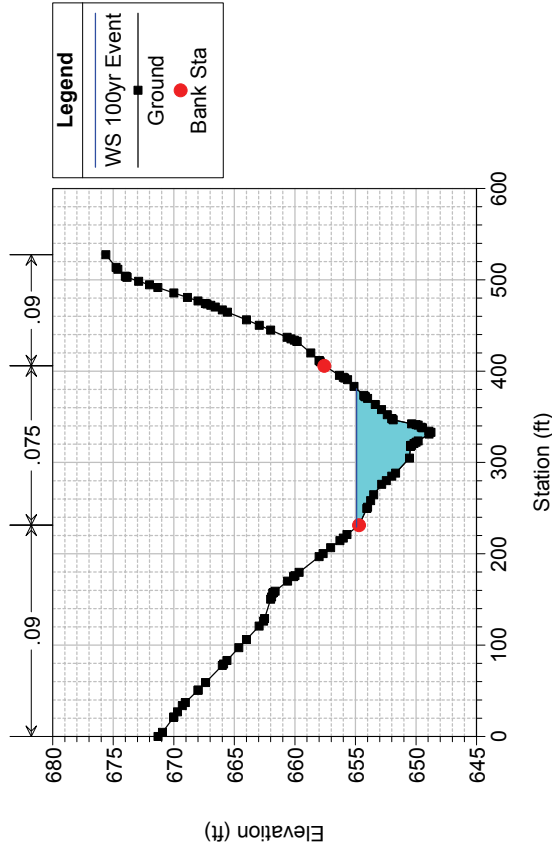
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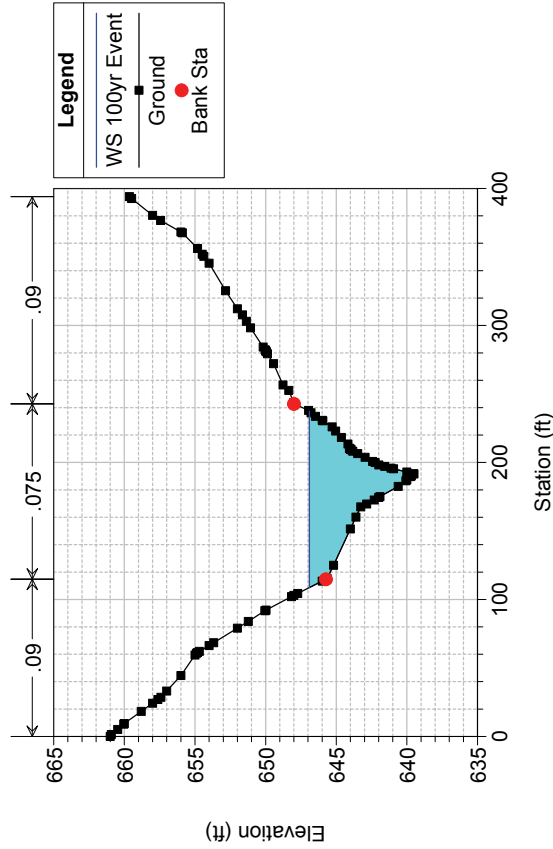
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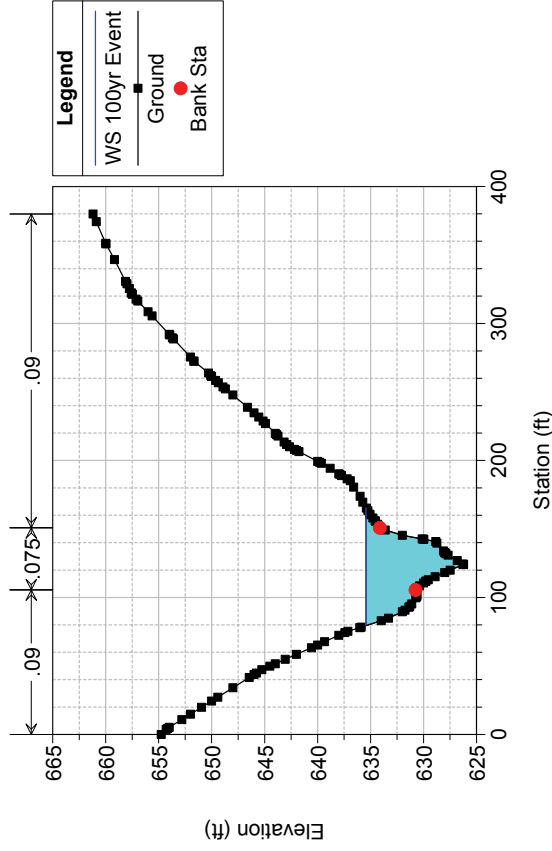
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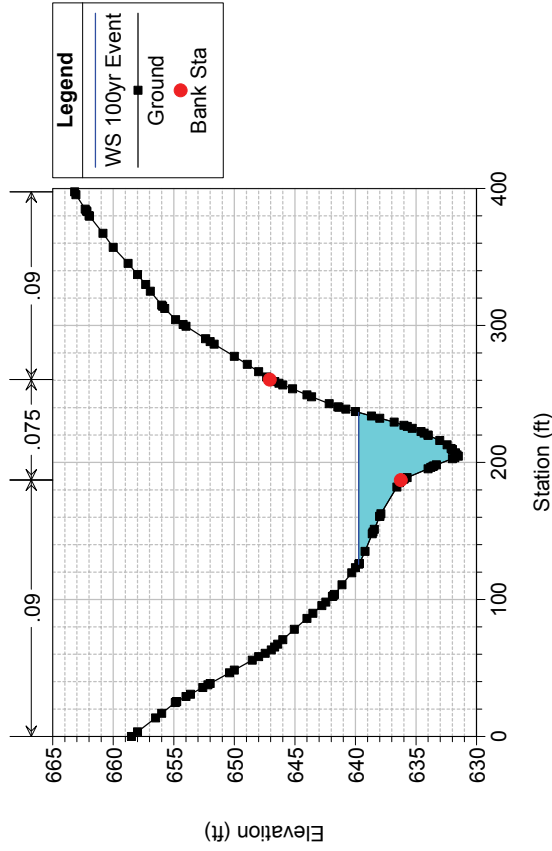
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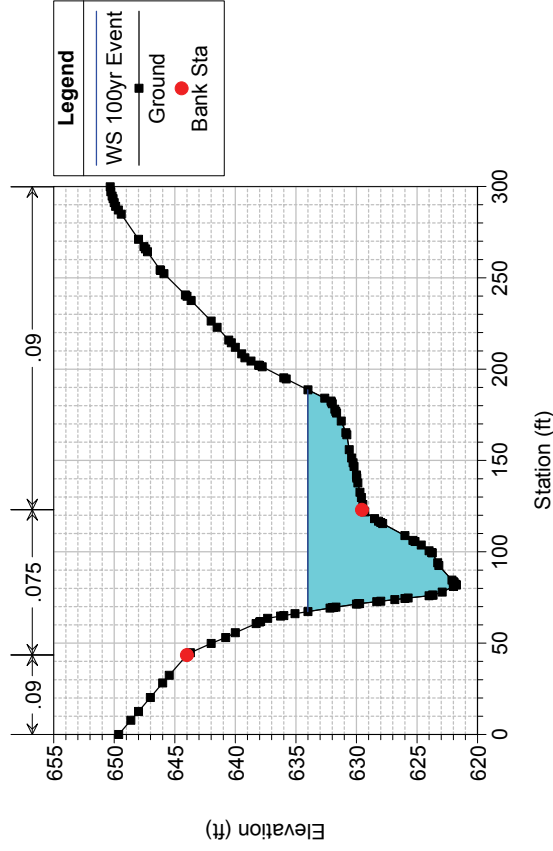
Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014



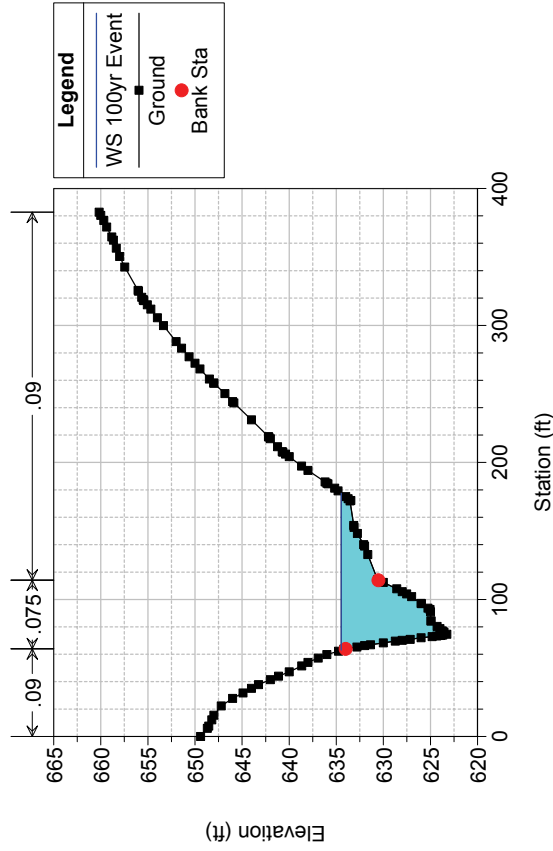
Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014



Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014

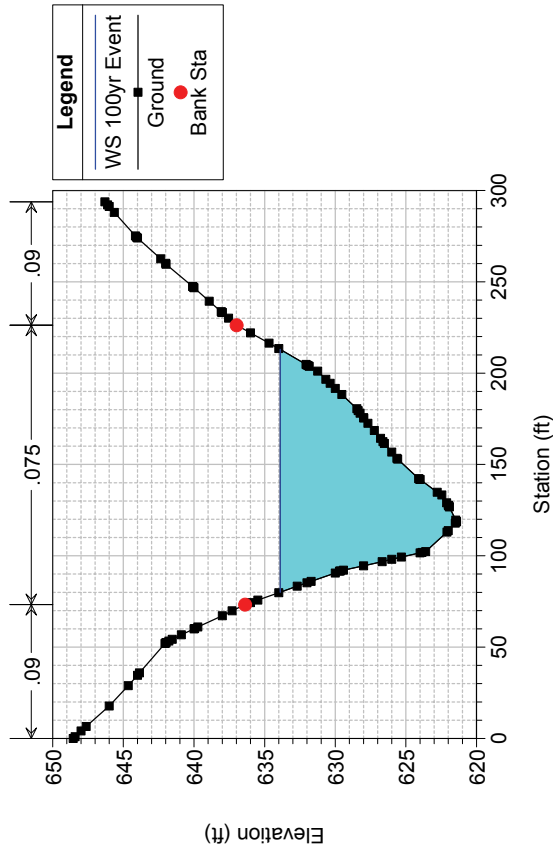


Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014

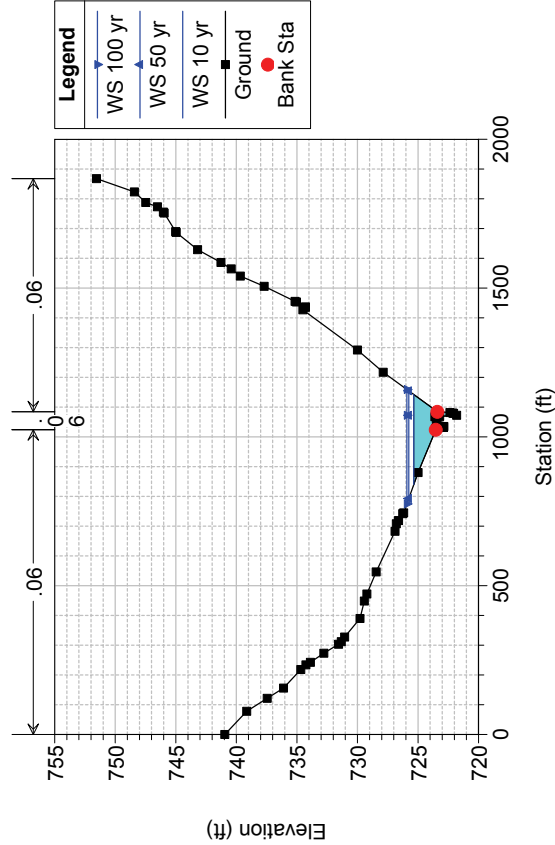




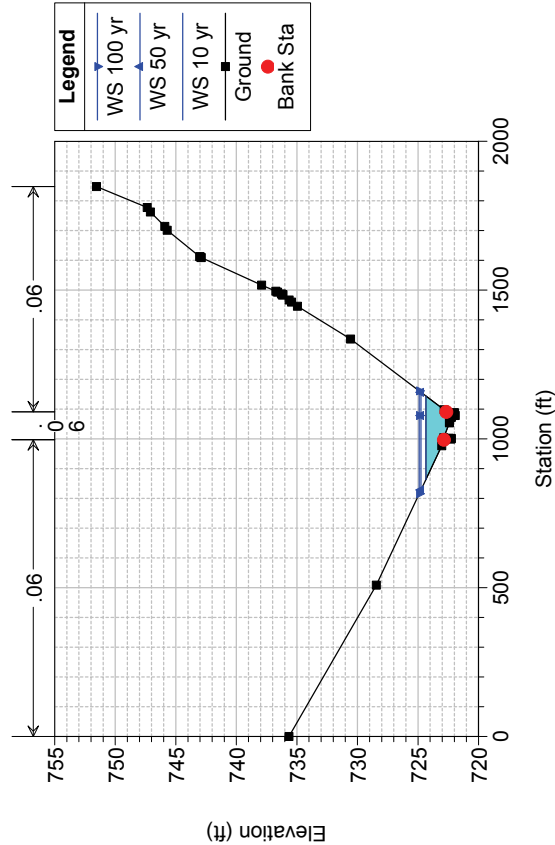
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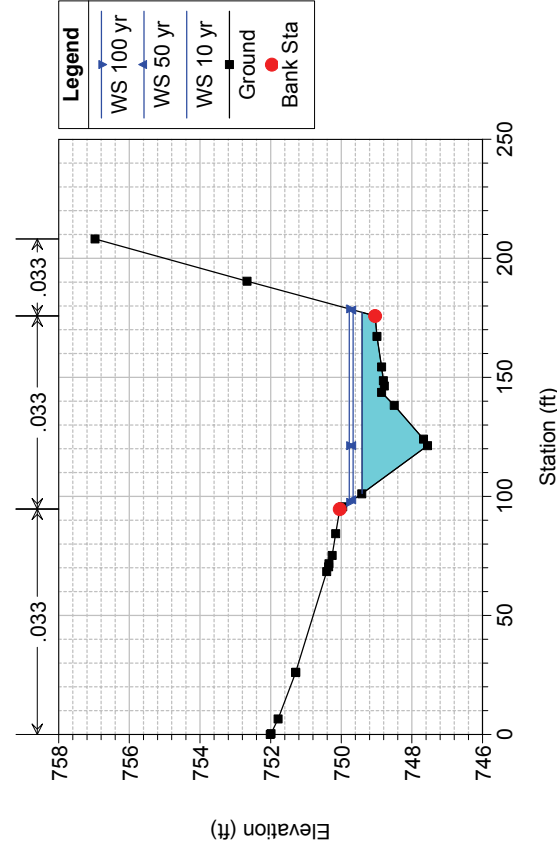
Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014



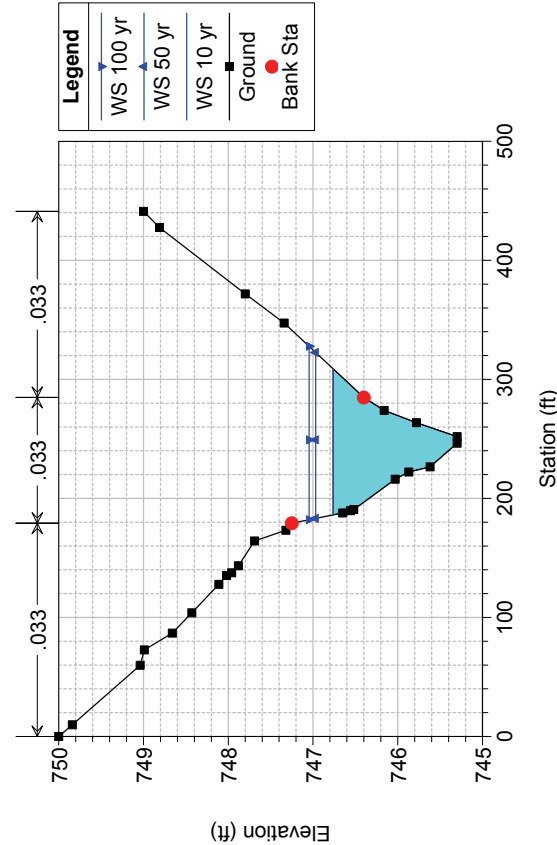
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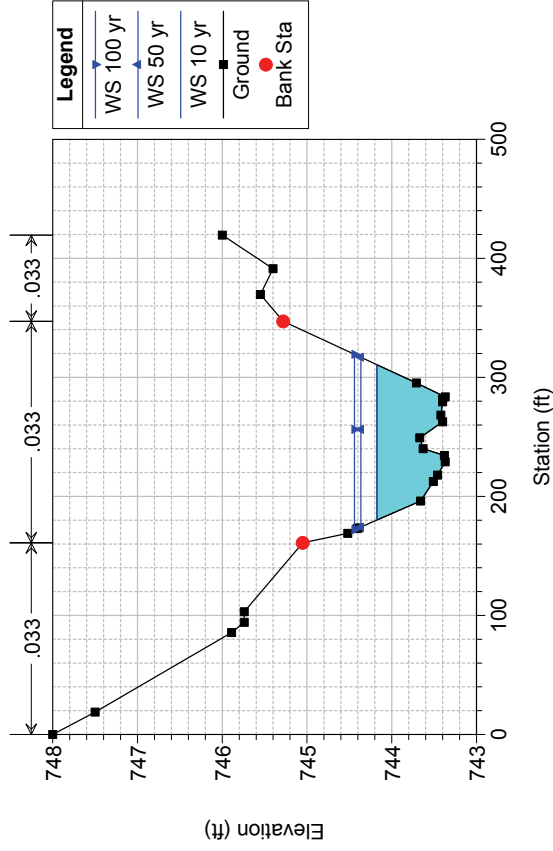
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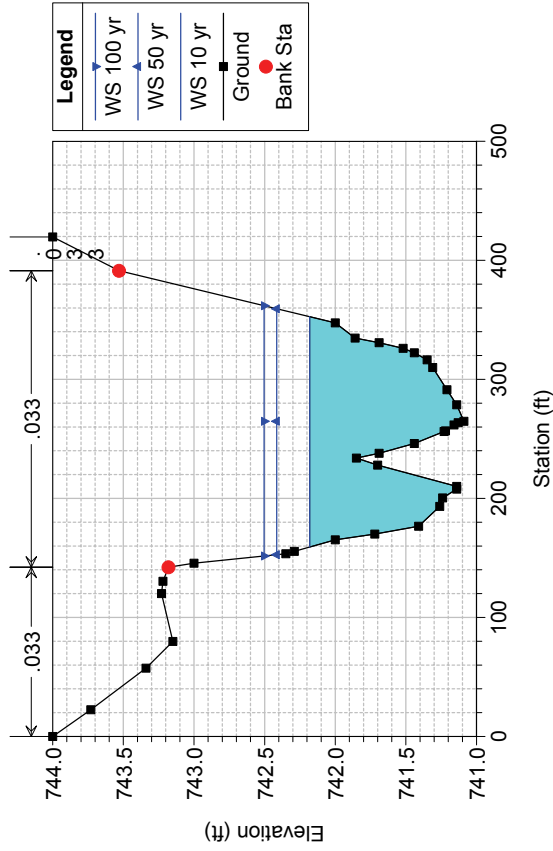
Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014



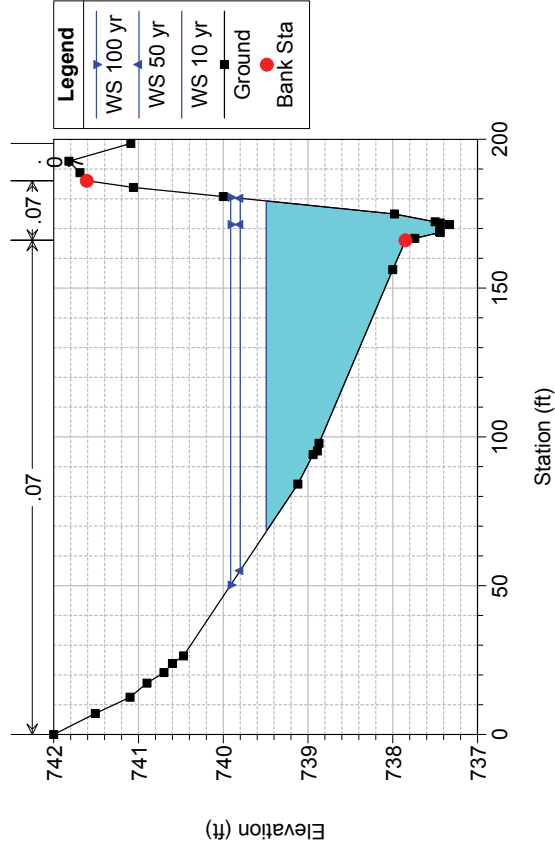
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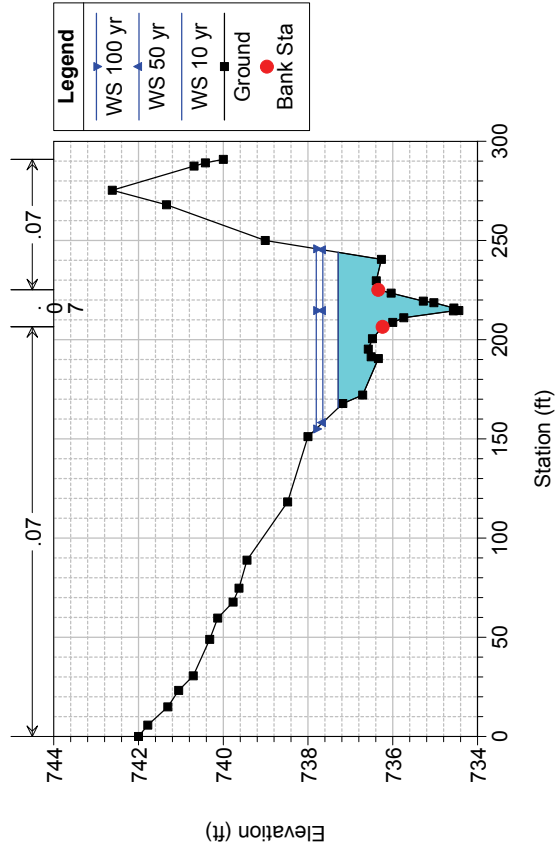
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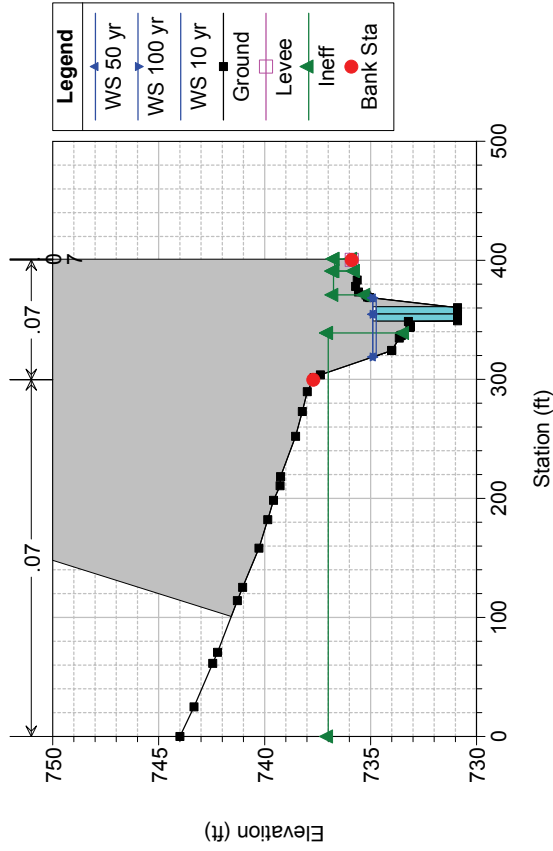
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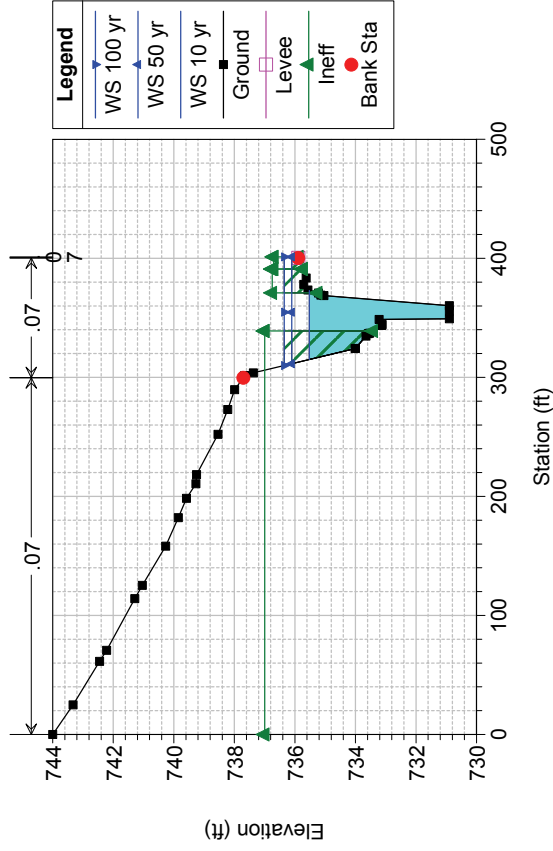
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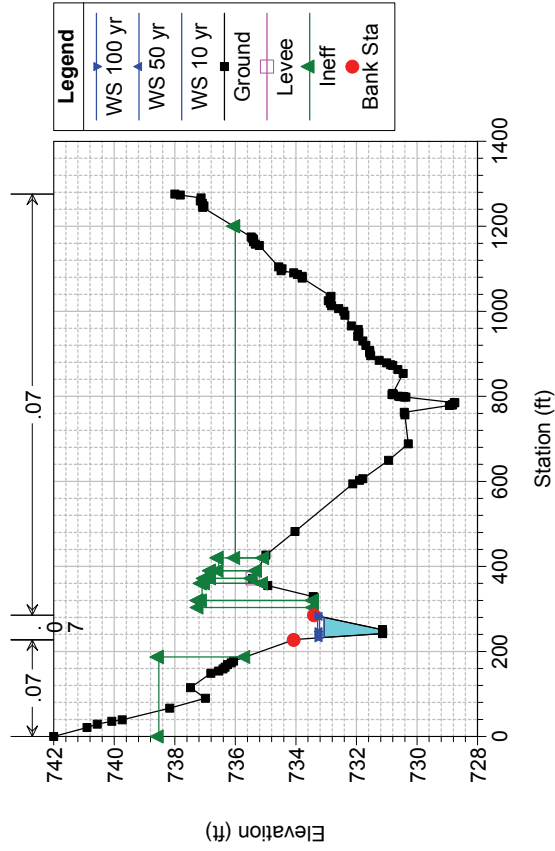
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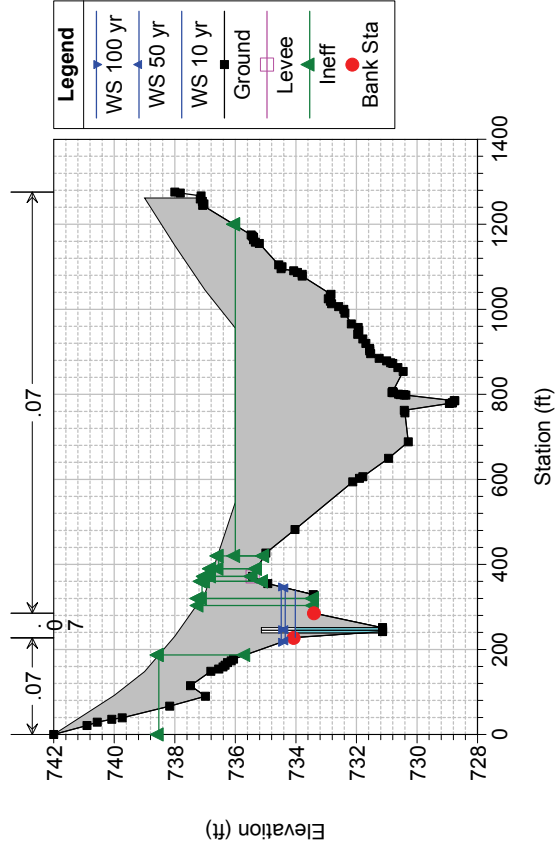
Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014



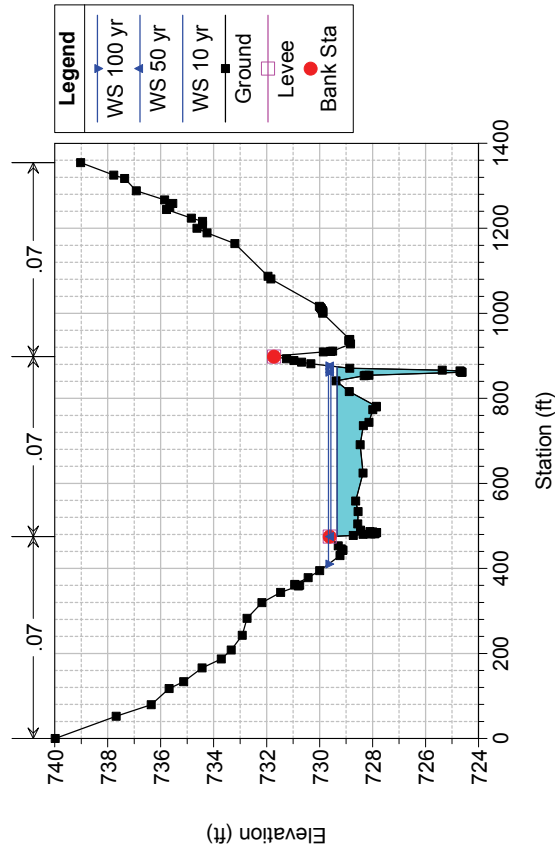
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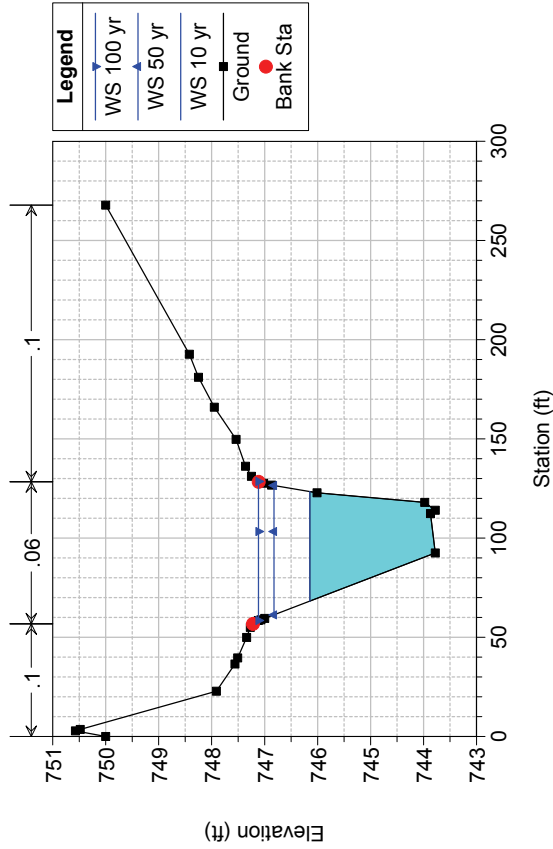
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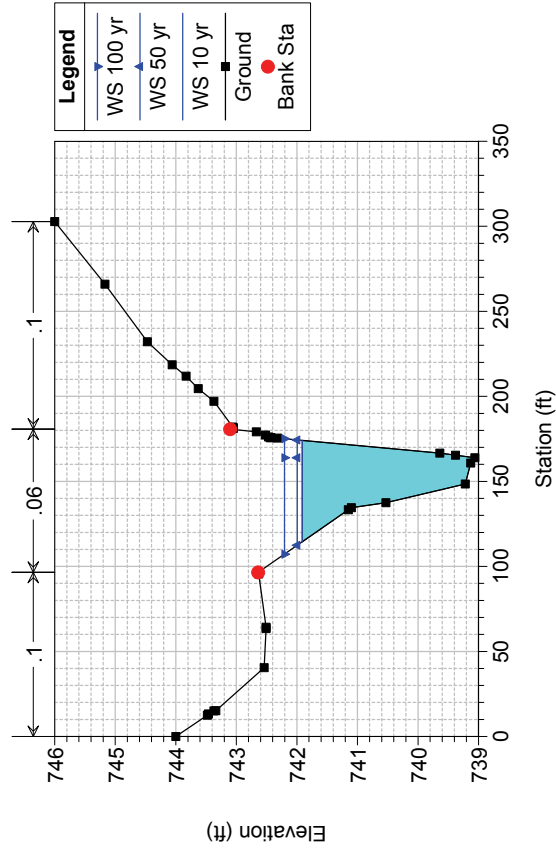
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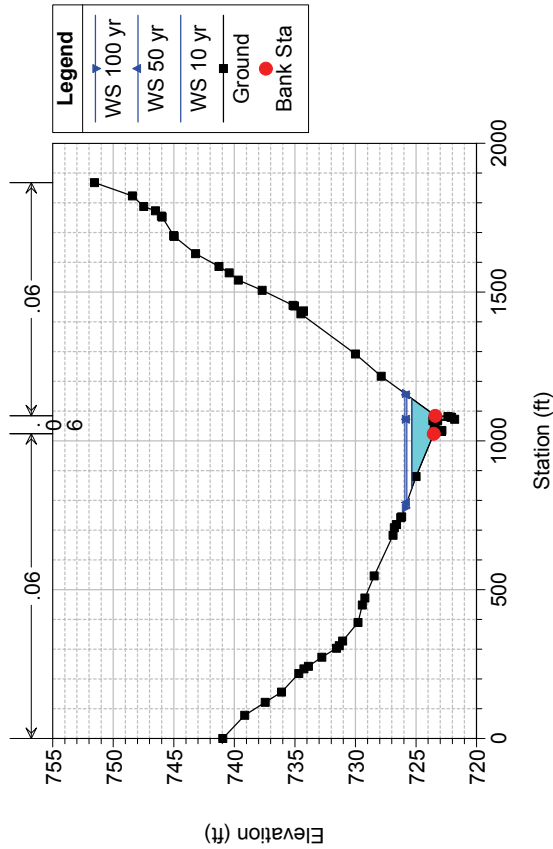
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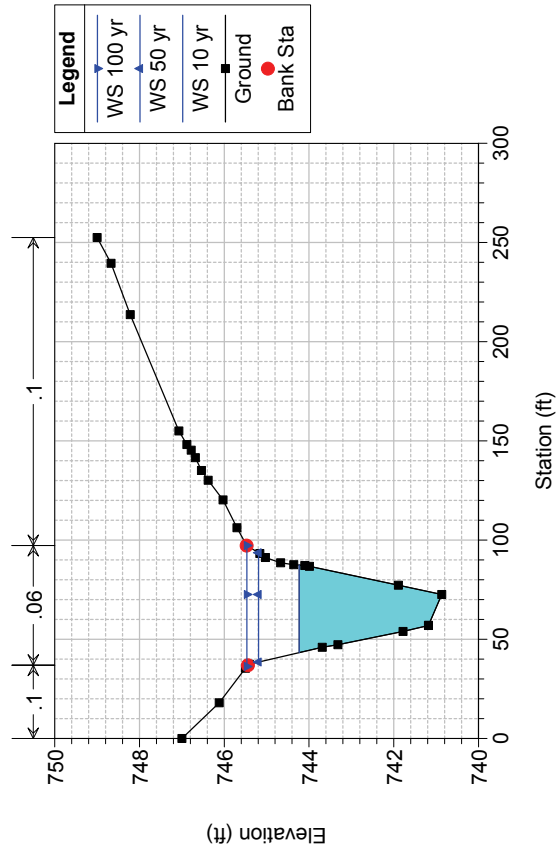
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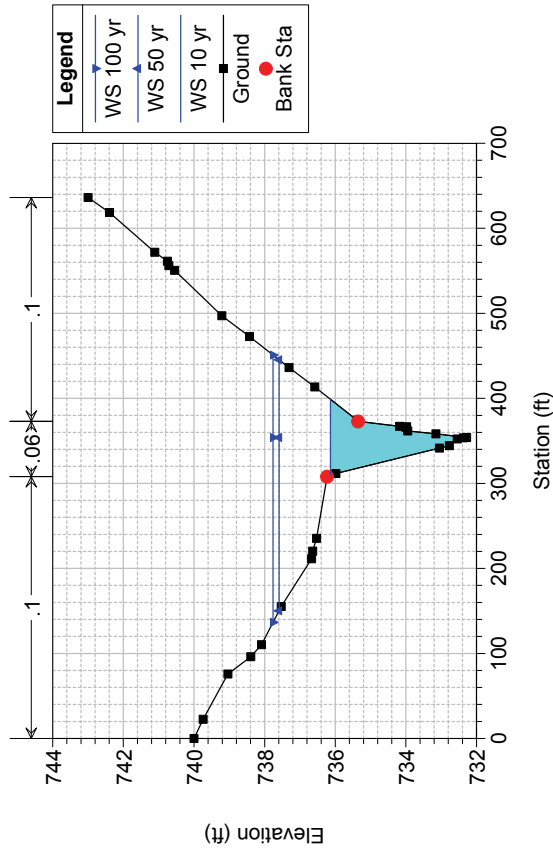
Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014



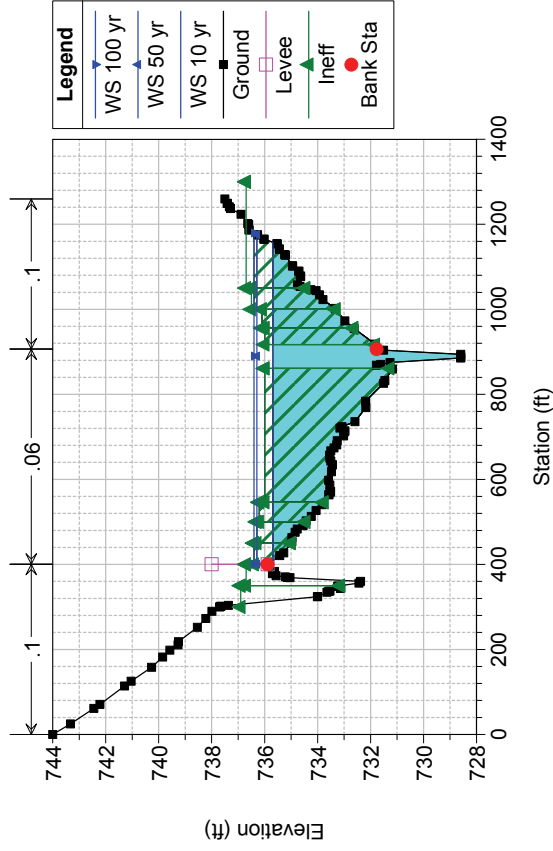
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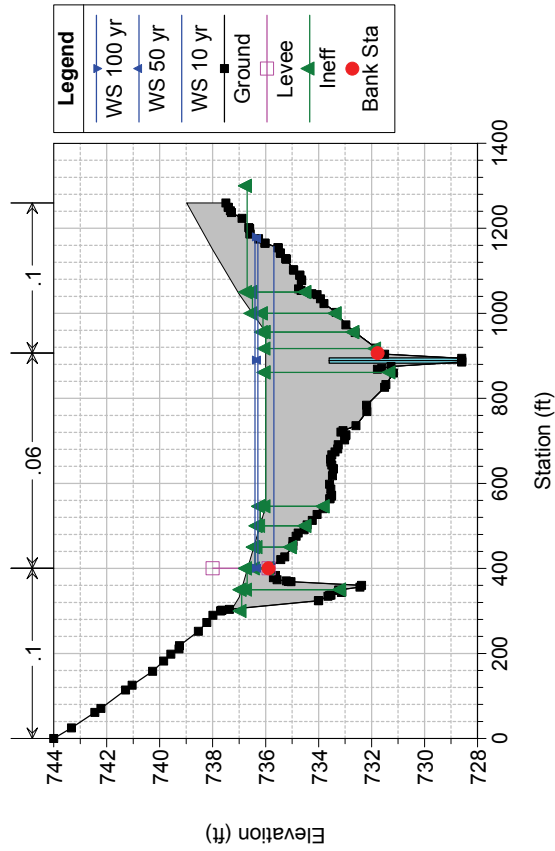
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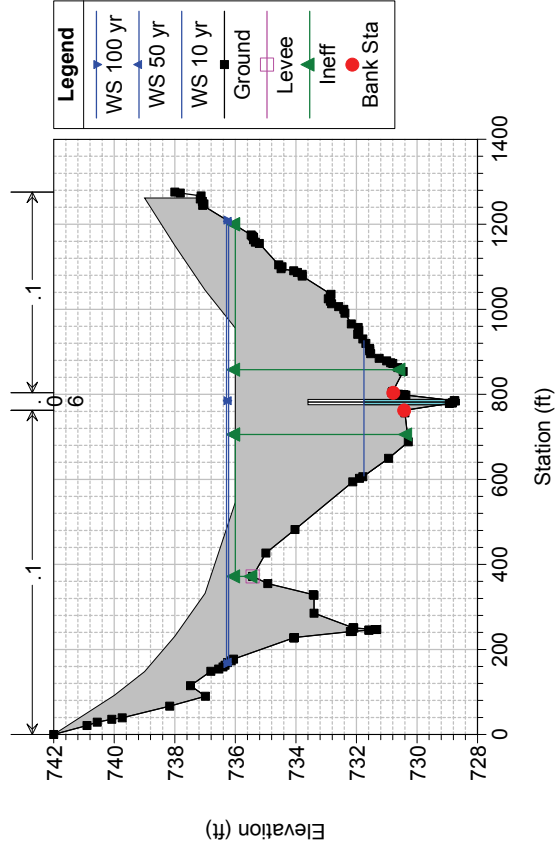
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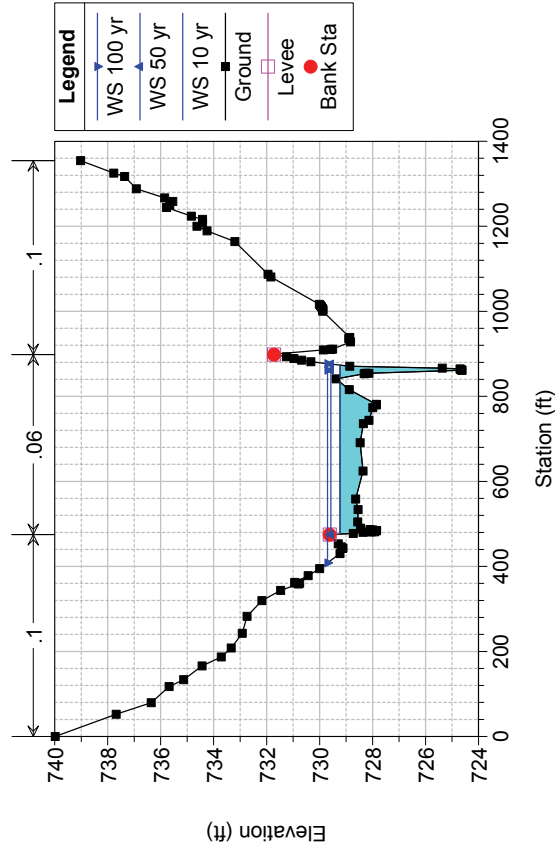
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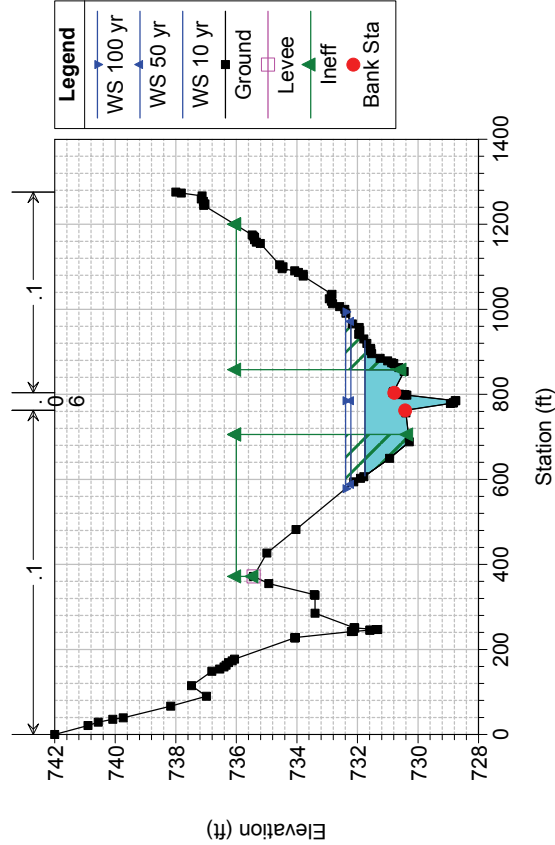
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Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014

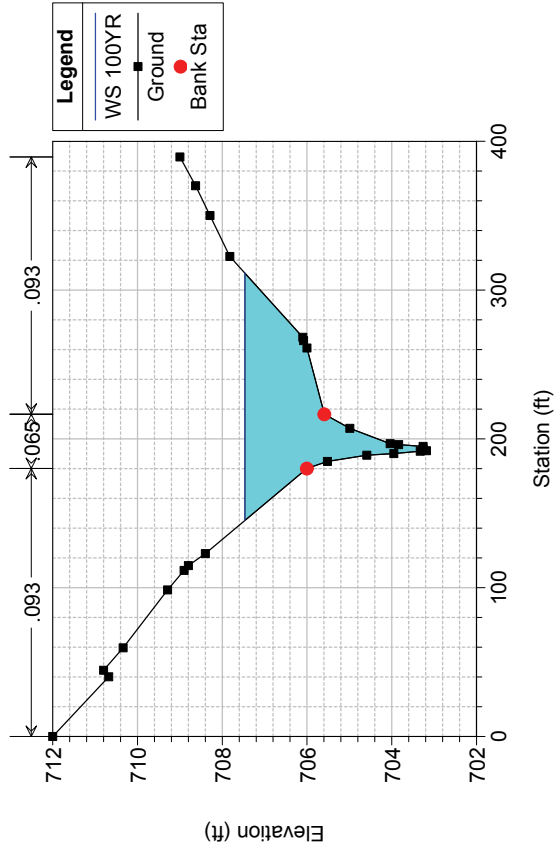


Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014

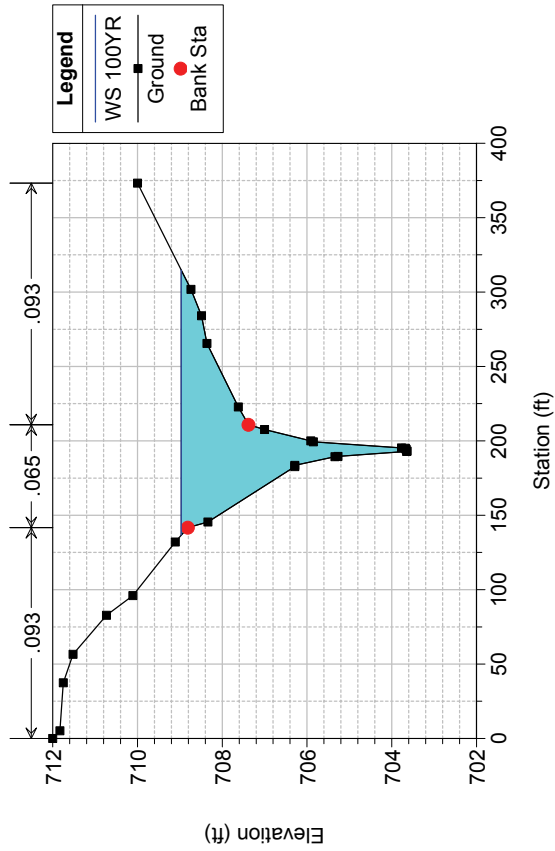




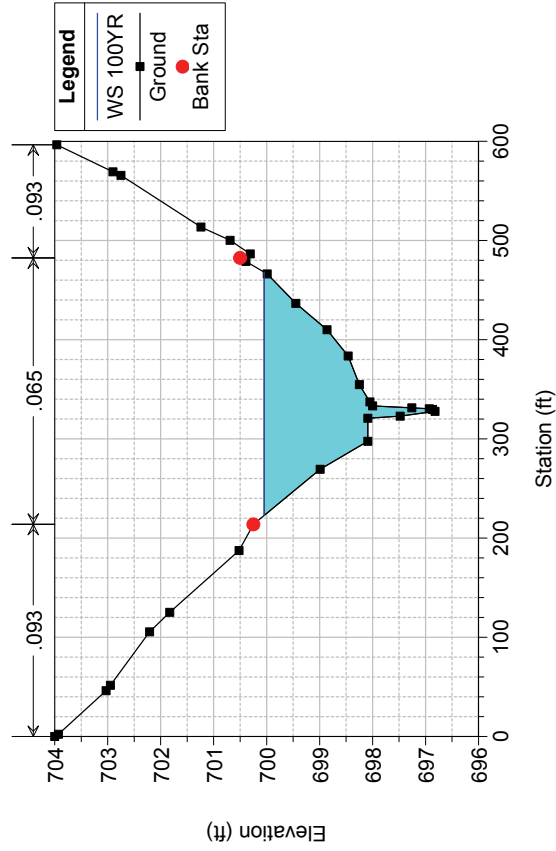
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



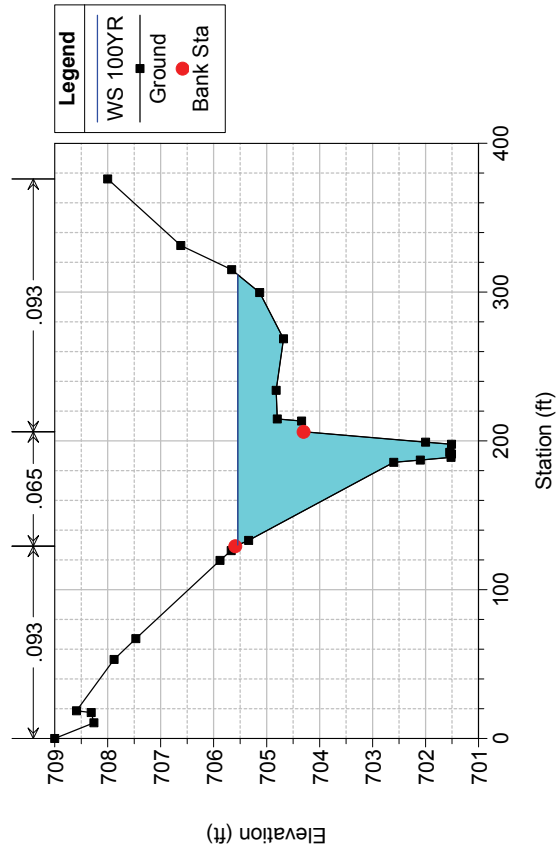
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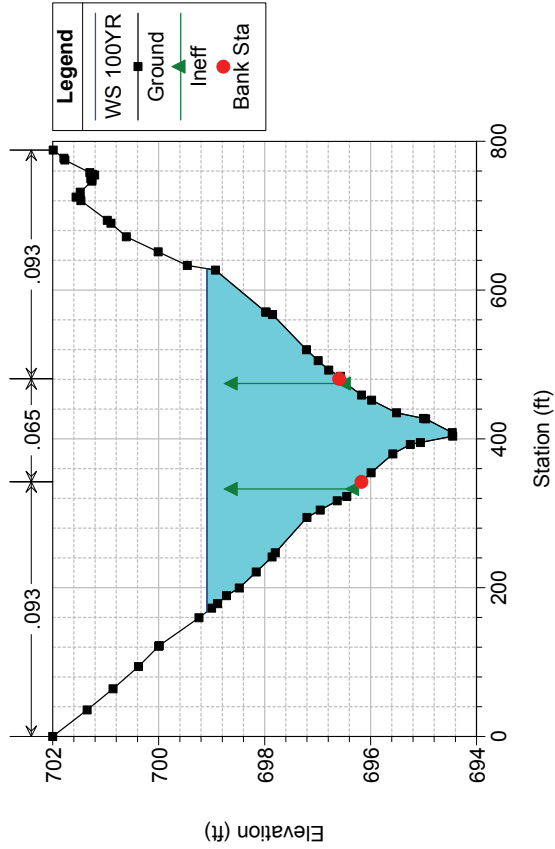
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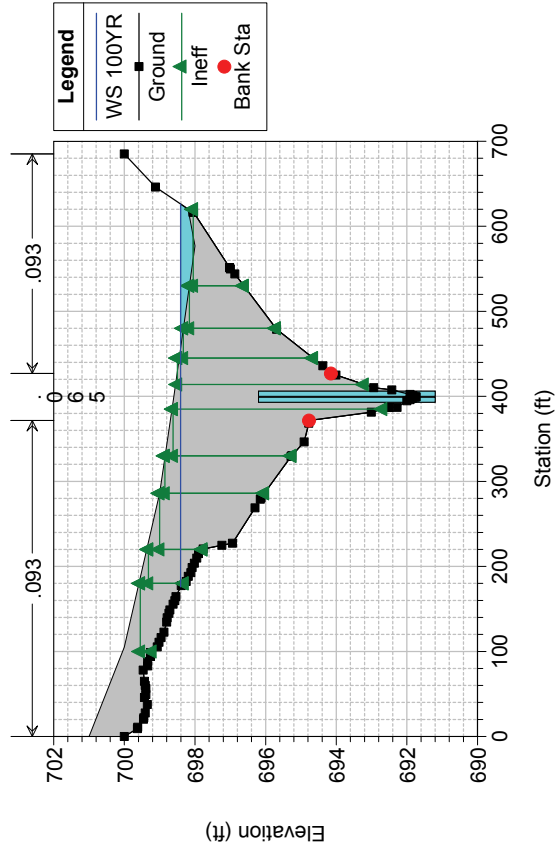
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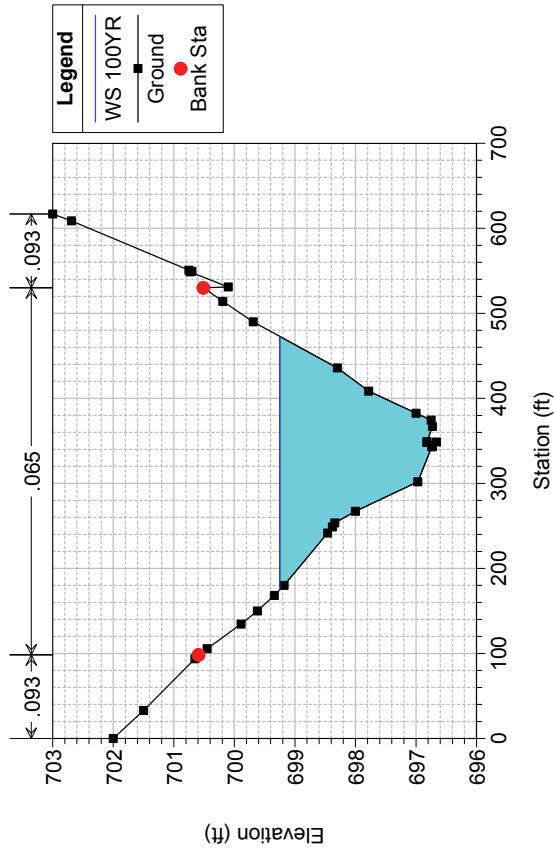
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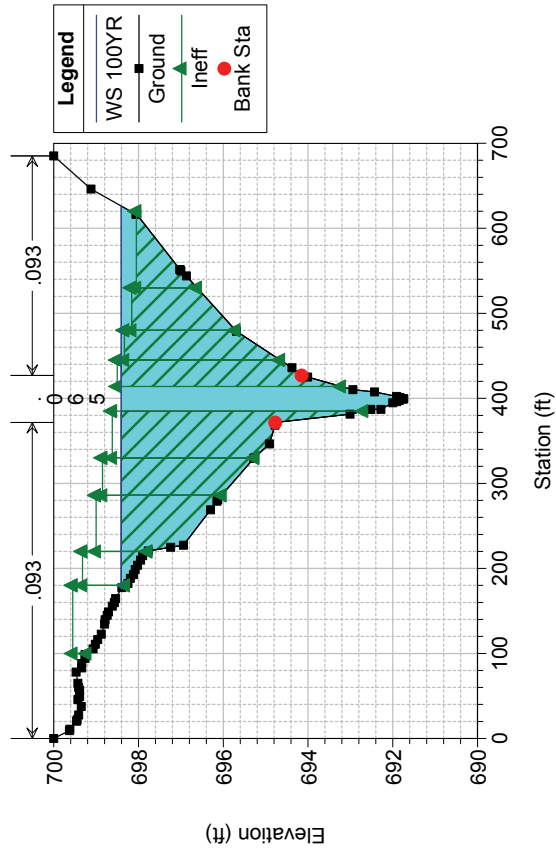
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



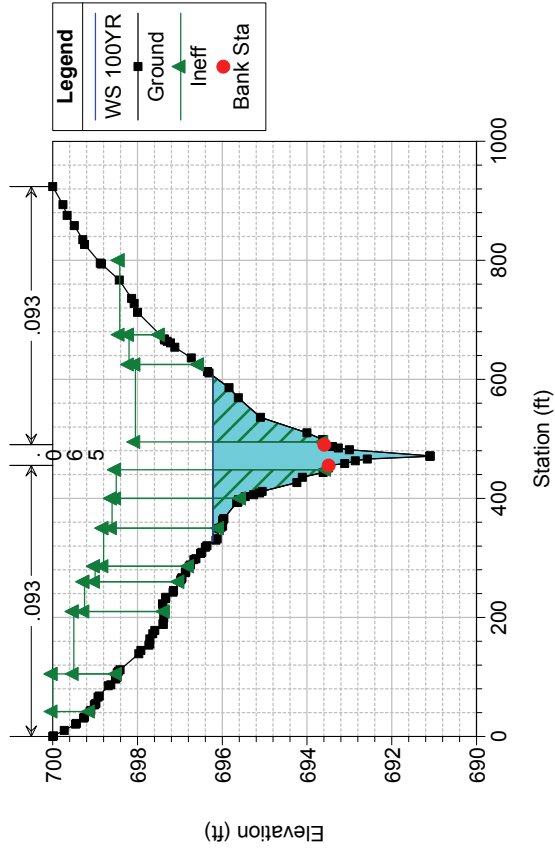
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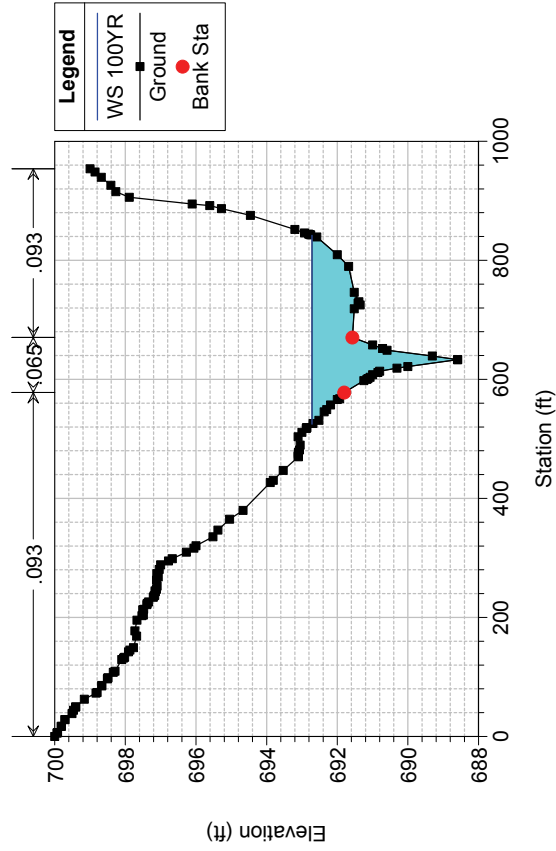
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



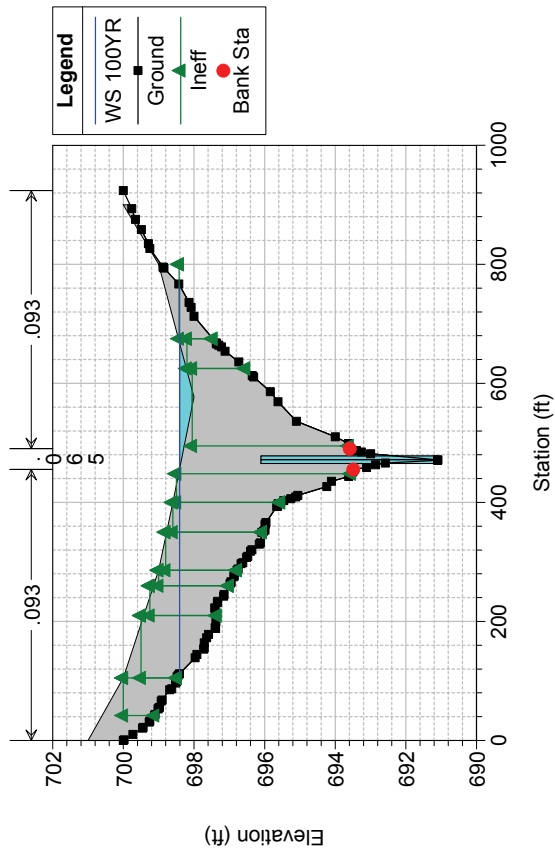
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



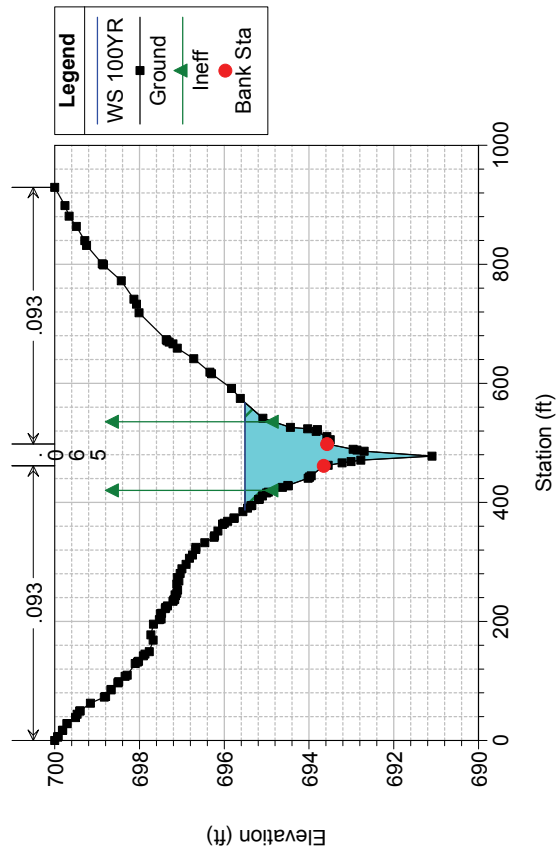
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



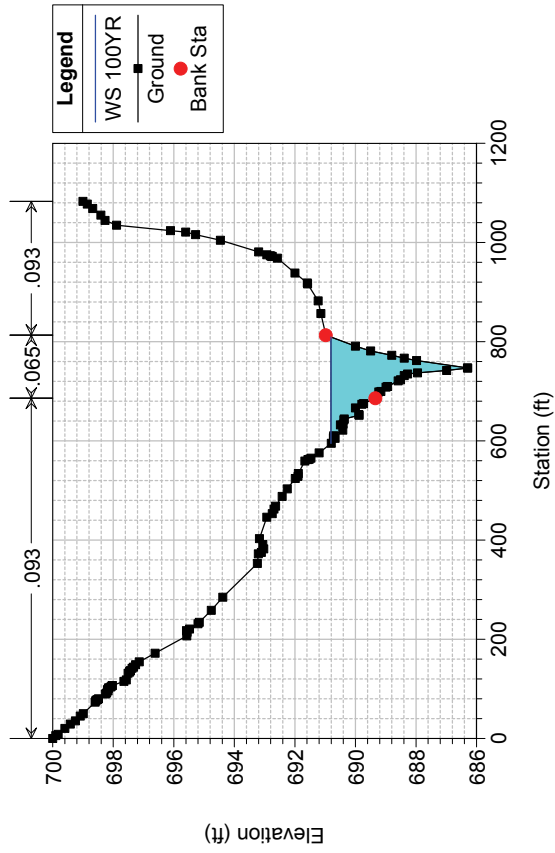
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



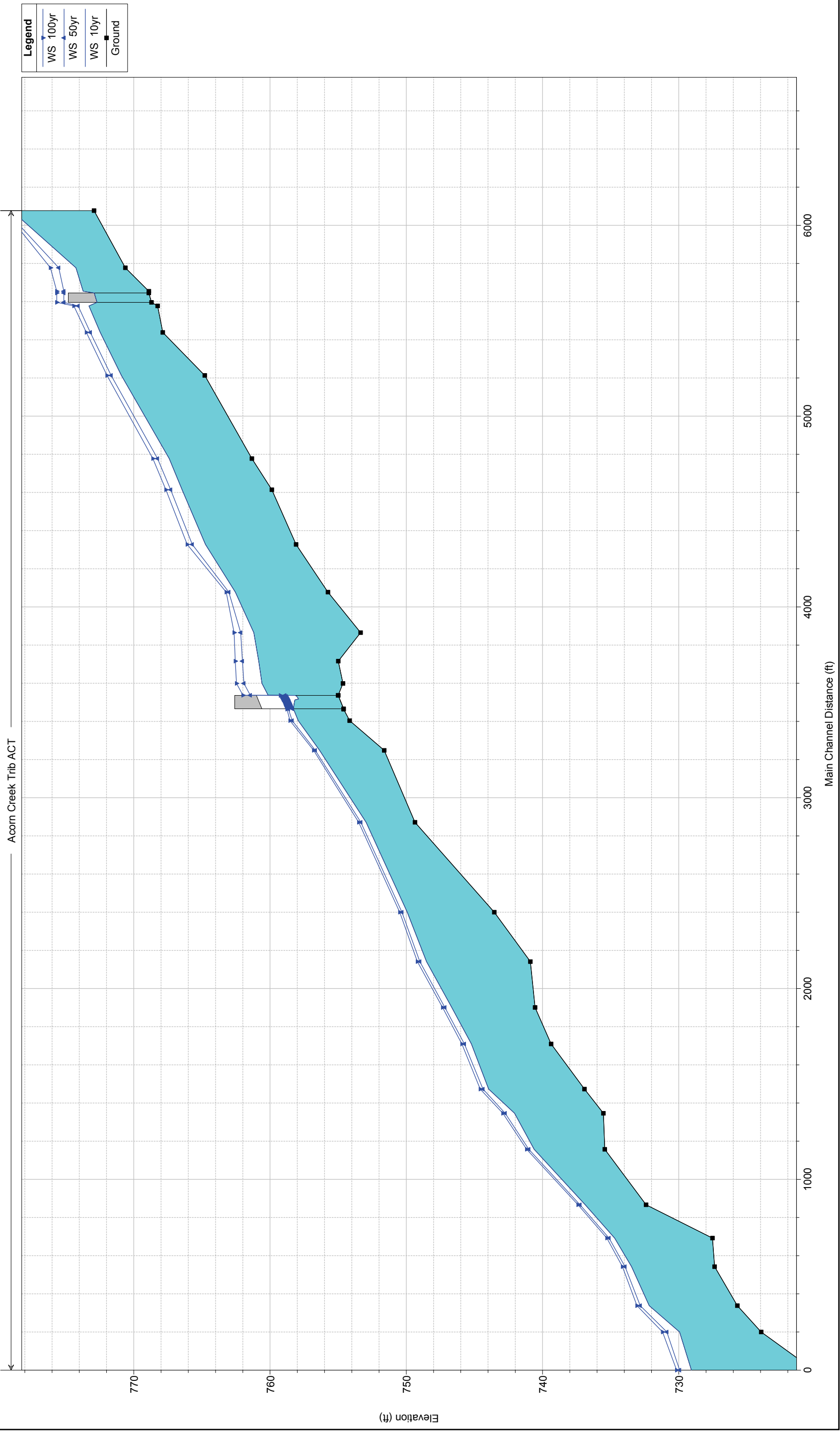
Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



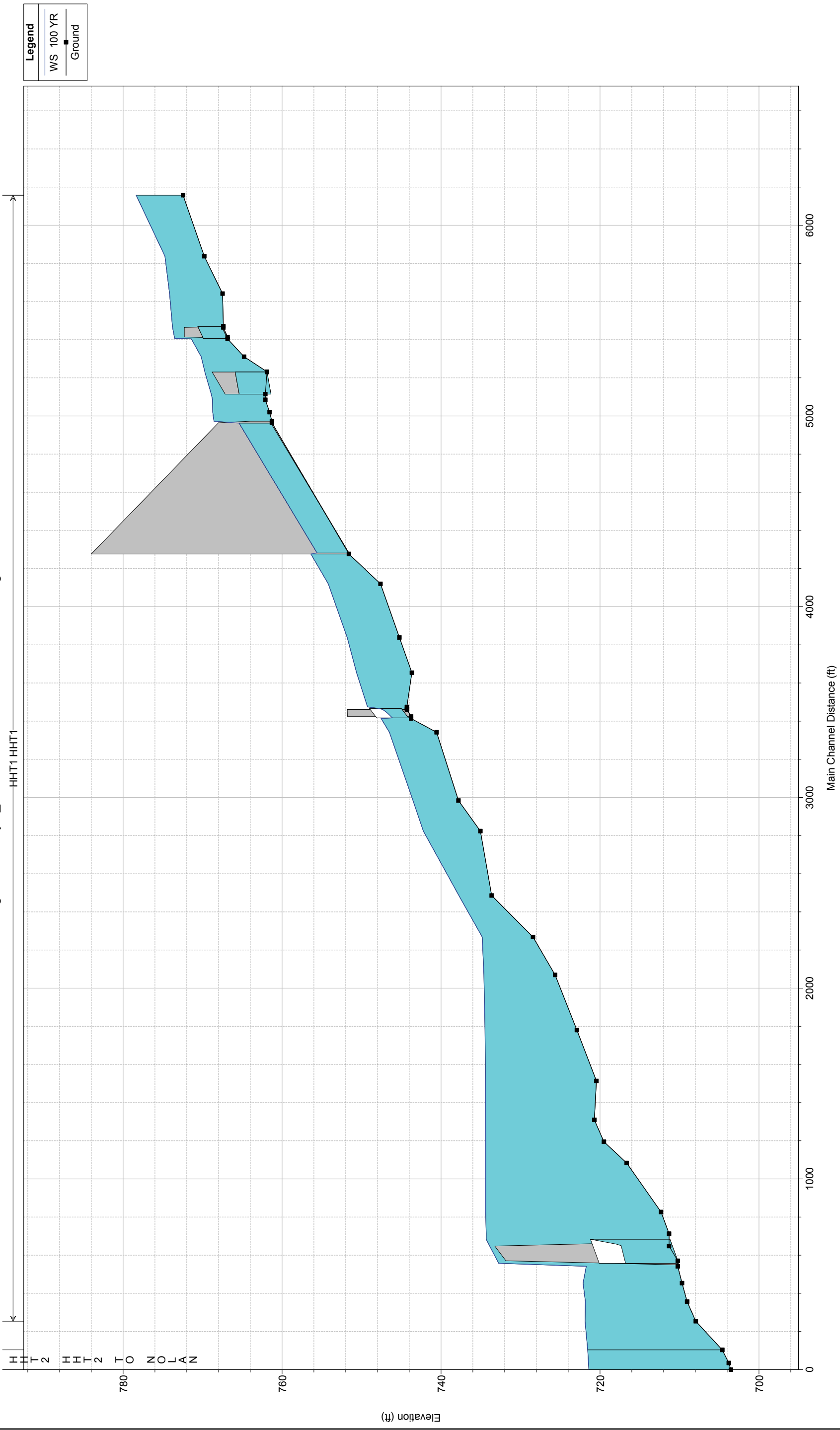
Acorn Creek Tributary Plan: 2-01366 Existing Plan 11/4/2014



**Legend**  
WS 100yr  
WS 50yr  
WS 10yr  
Ground

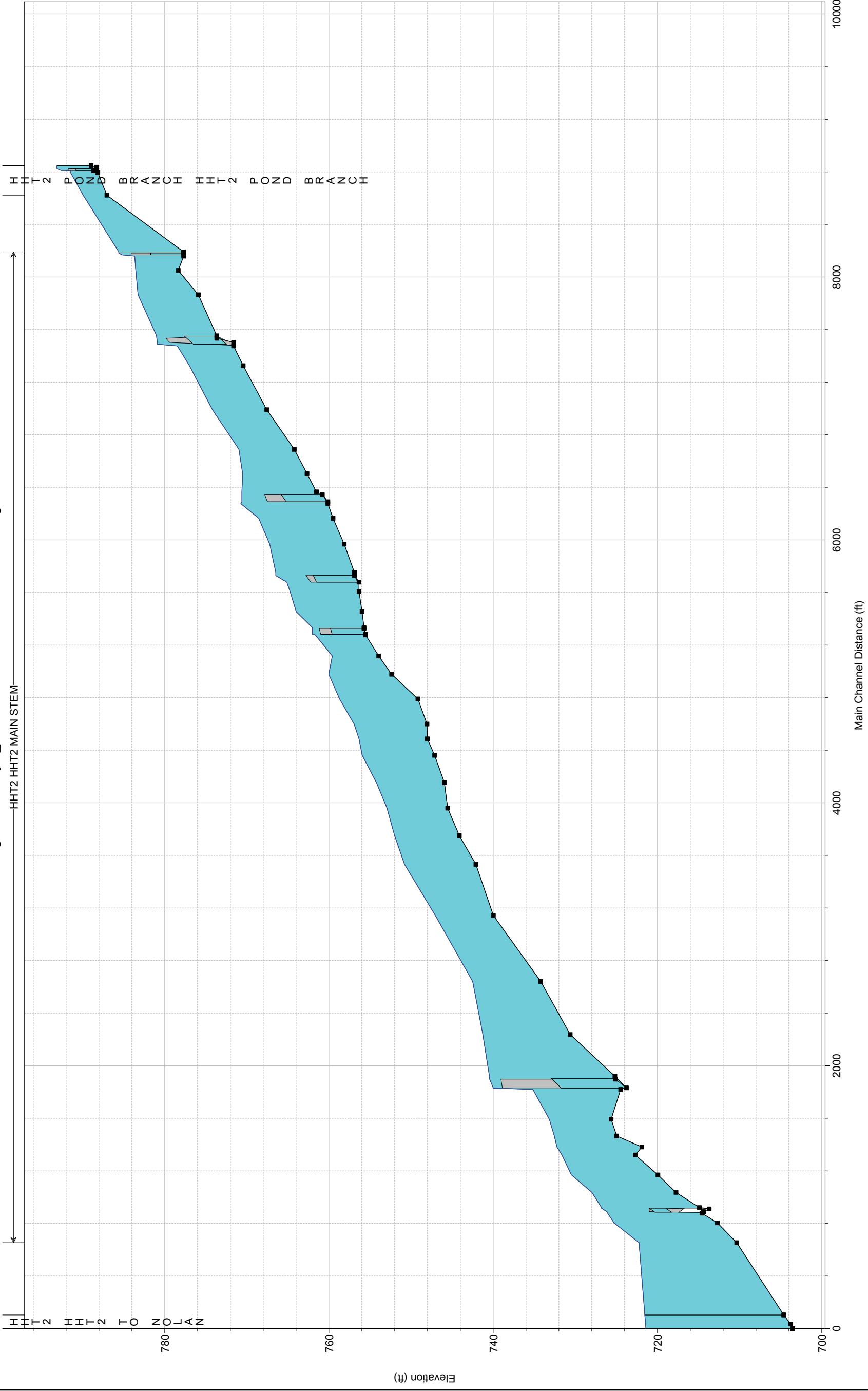
1 in Horiz. = 500 ft 1 in Vert. = 7 ft

Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/12/2014



1 in Horiz. = 500 ft 1 in Vert. = 12 ft

Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014

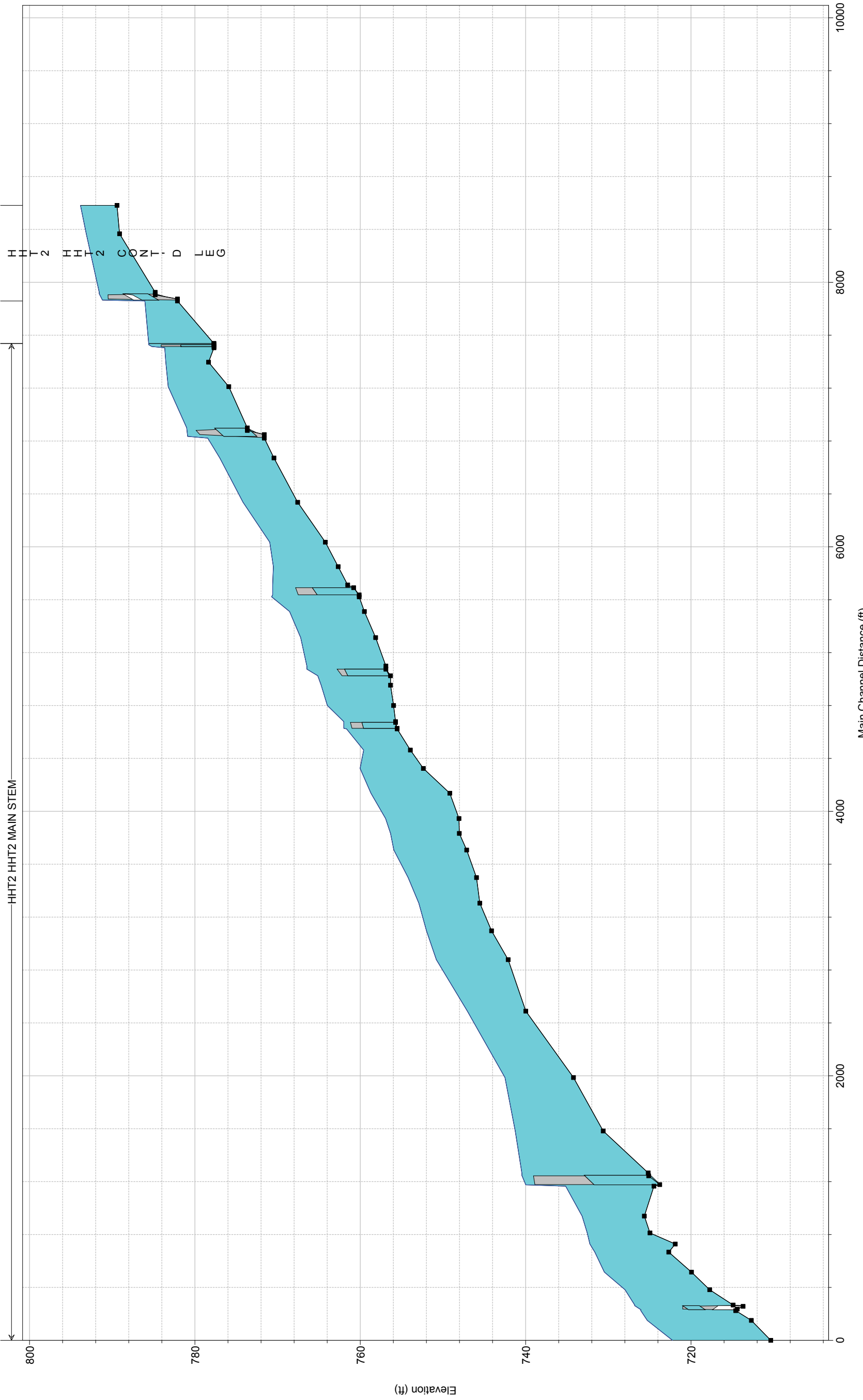


**Legend**

- WS 100 YR
- Ground

1 in Horiz. = 750 ft 1 in Vert. = 12 ft

Harker Heights Tributary 1\_2 Combined Plan: 2-01366 Existing Plan 11/19/2014



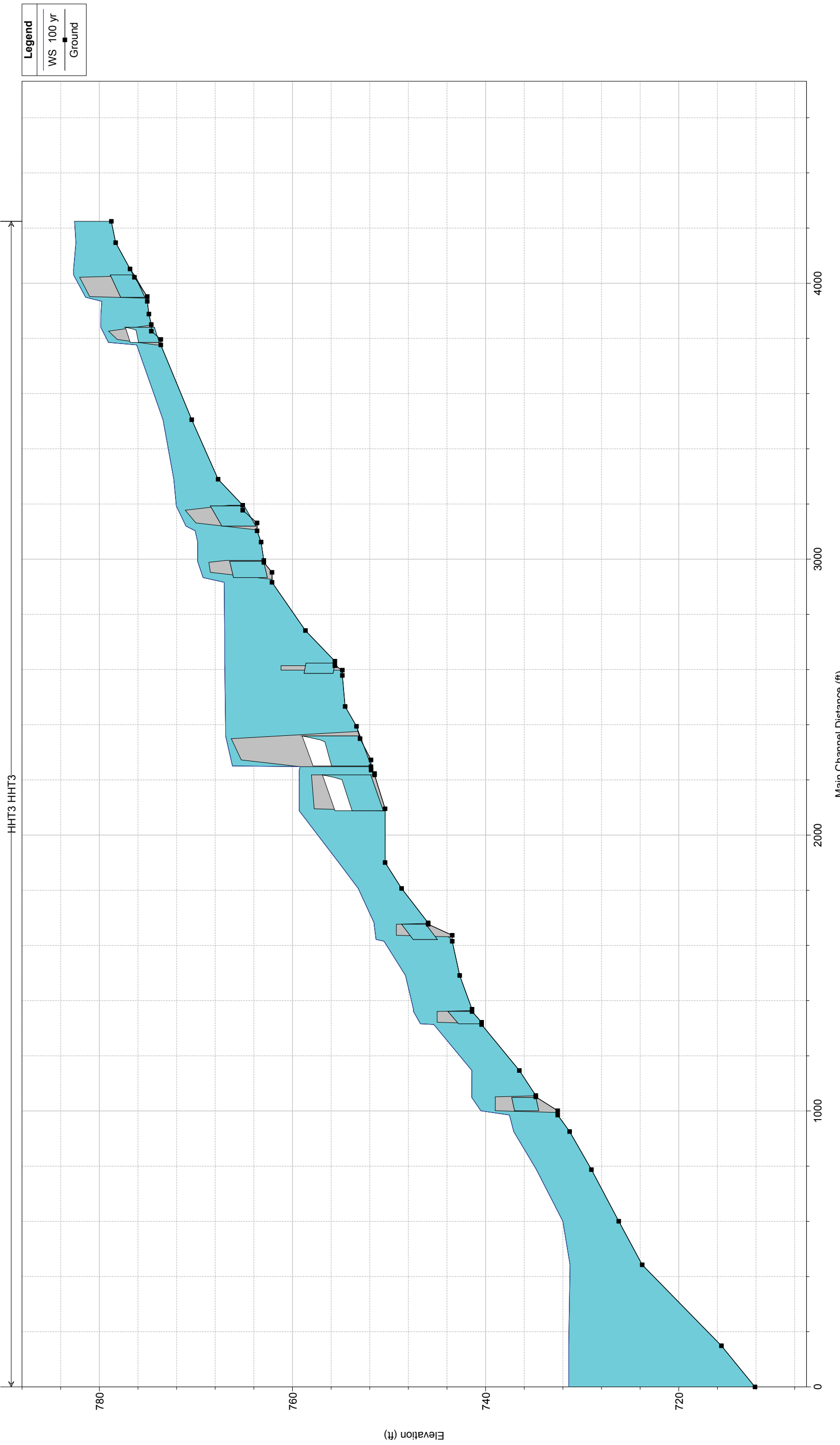
**Legend**

- WS 100 YR
- Ground

1 in Horiz. = 750 ft 1 in Vert. = 12 ft

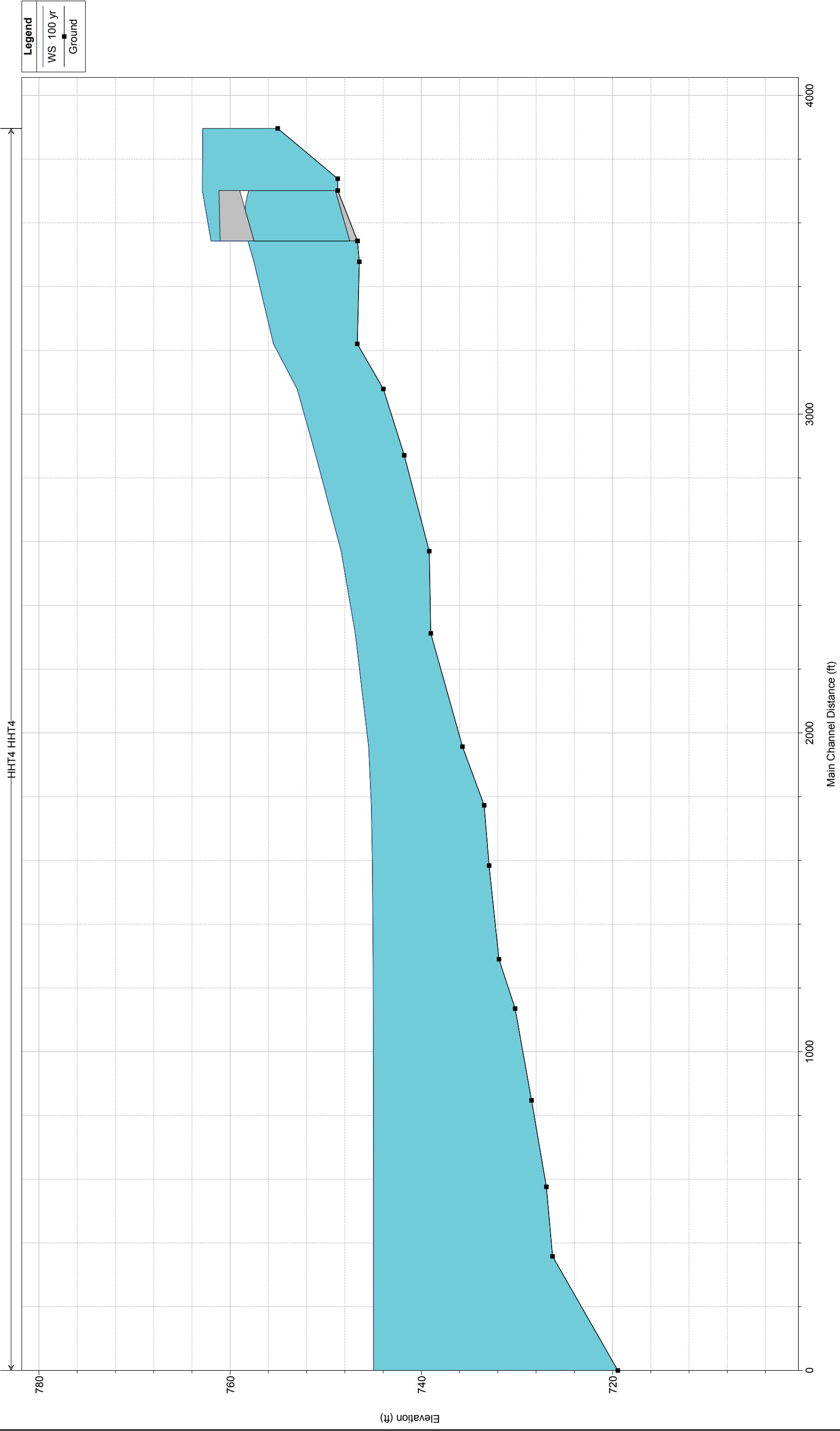


Harker Heights Tributary 3 Plan: 2-01366 Existing flow W/ new Cox XS 11/4/2014



1 in Horiz. = 350 ft 1 in Vert. = 10 ft

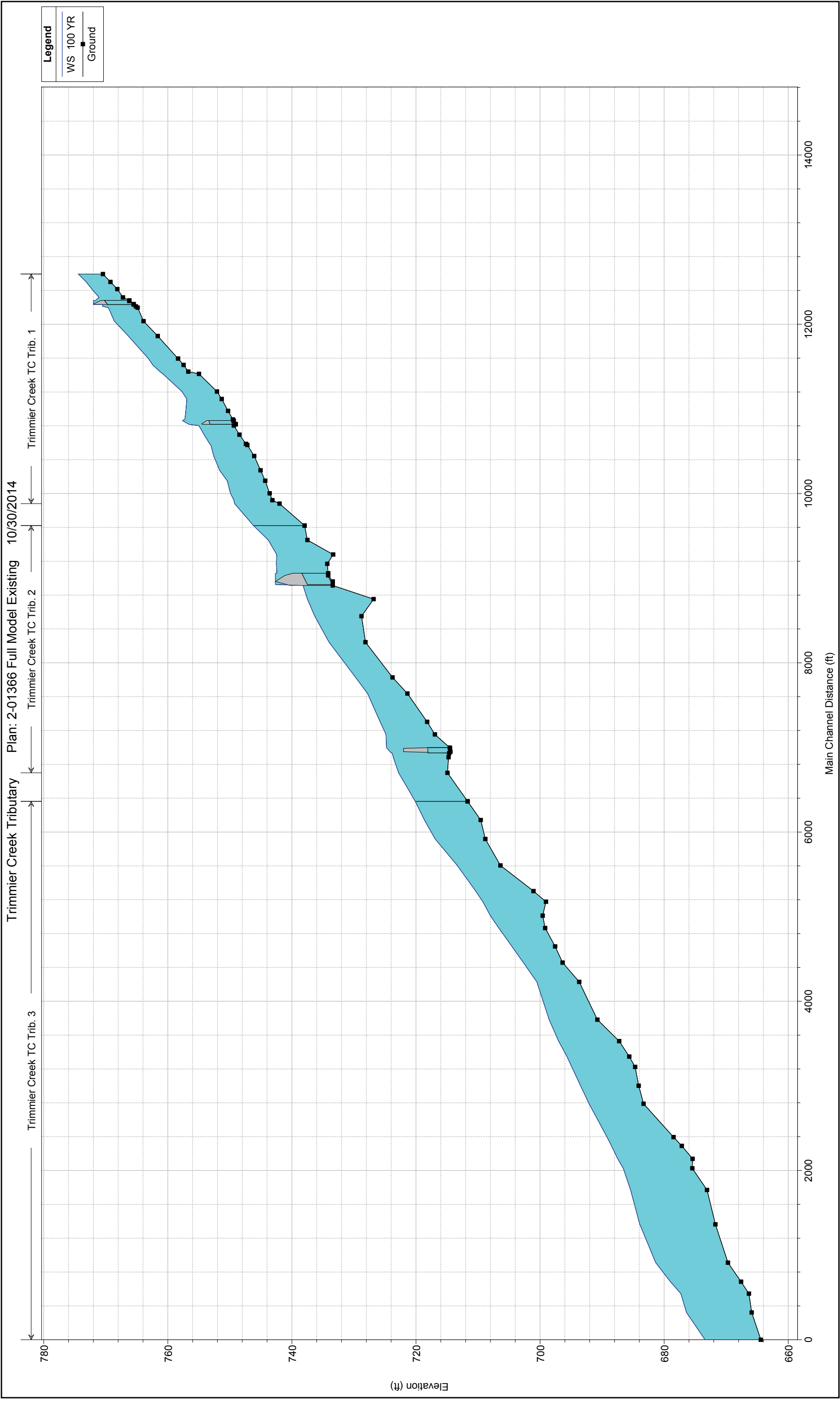
Harker Heights Tributary 4 Model Plan: HHT4 Existing Plan 9/25/2014



**Legend**

- WS 100 yr
- Ground

1 in Horiz. = 300 ft 1 in Vert. = 10 ft



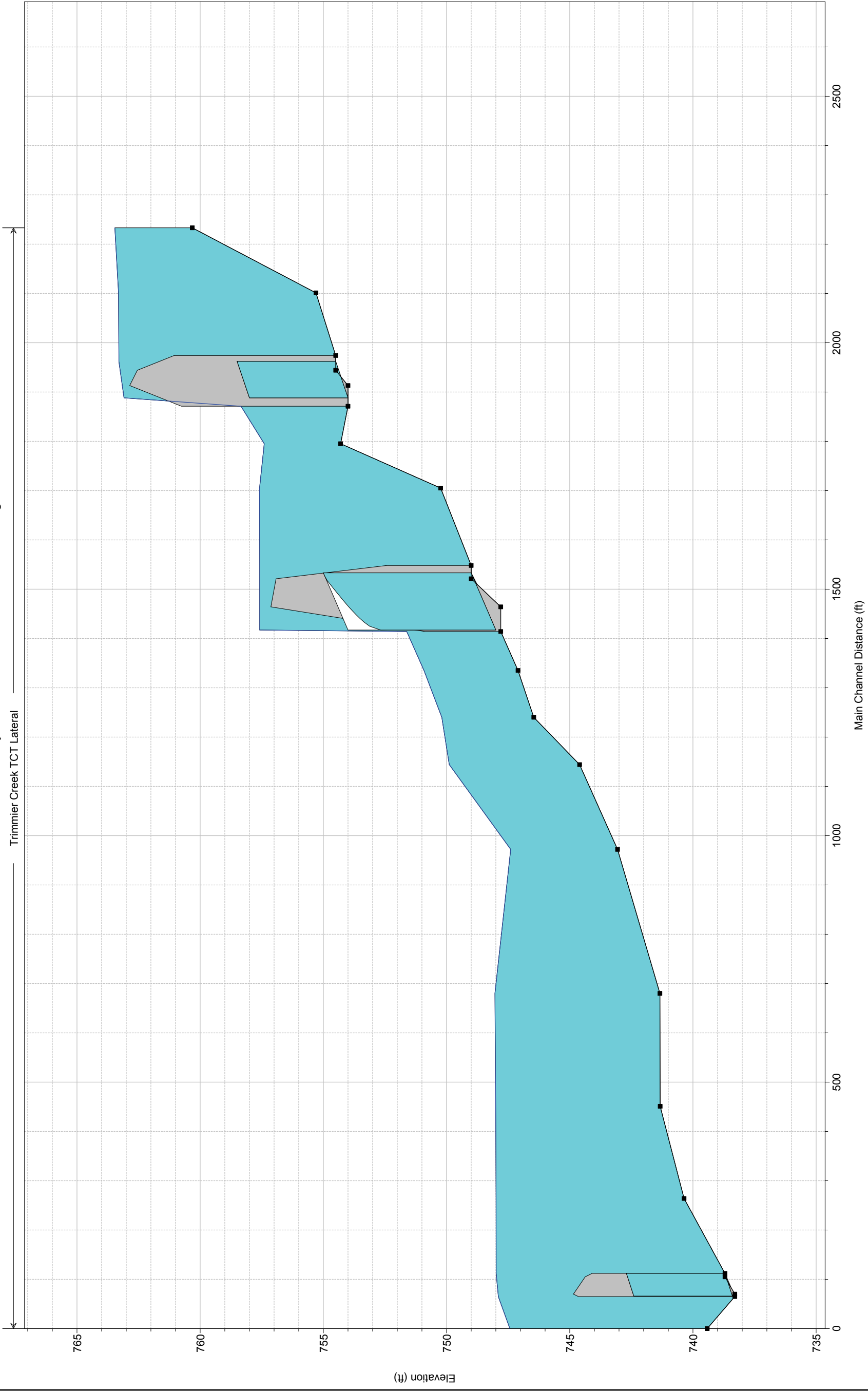
1 in Horiz. = 1100 ft 1 in Vert. = 15 ft

Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

Trimmier Creek TCT Lateral

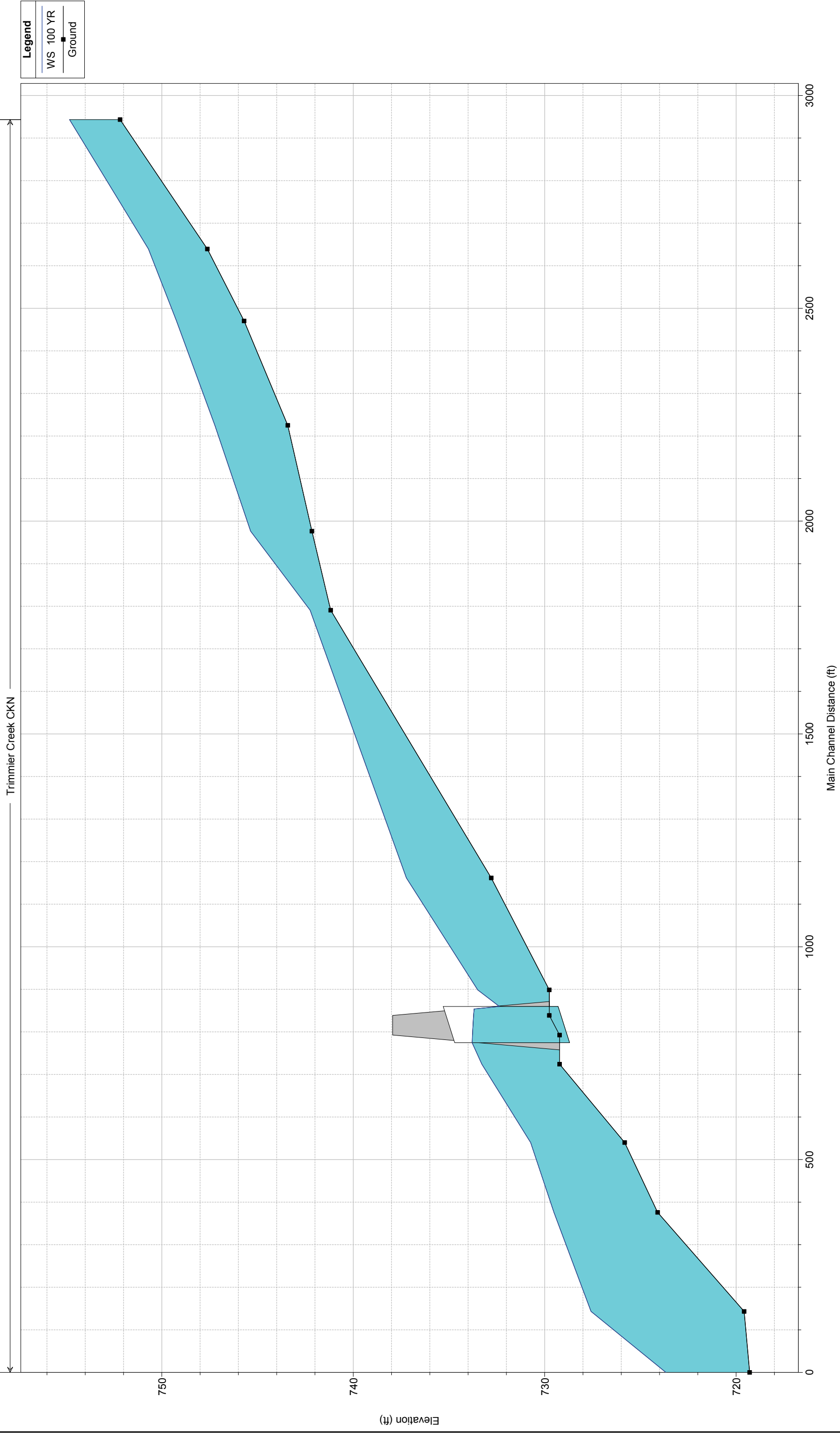
**Legend**

- WS 100 YR
- Ground



1 in Horiz. = 200 ft 1 in Vert. = 4 ft

Trimmier Creek Tributary Plan: 2-01366 Full Model Existing 10/30/2014

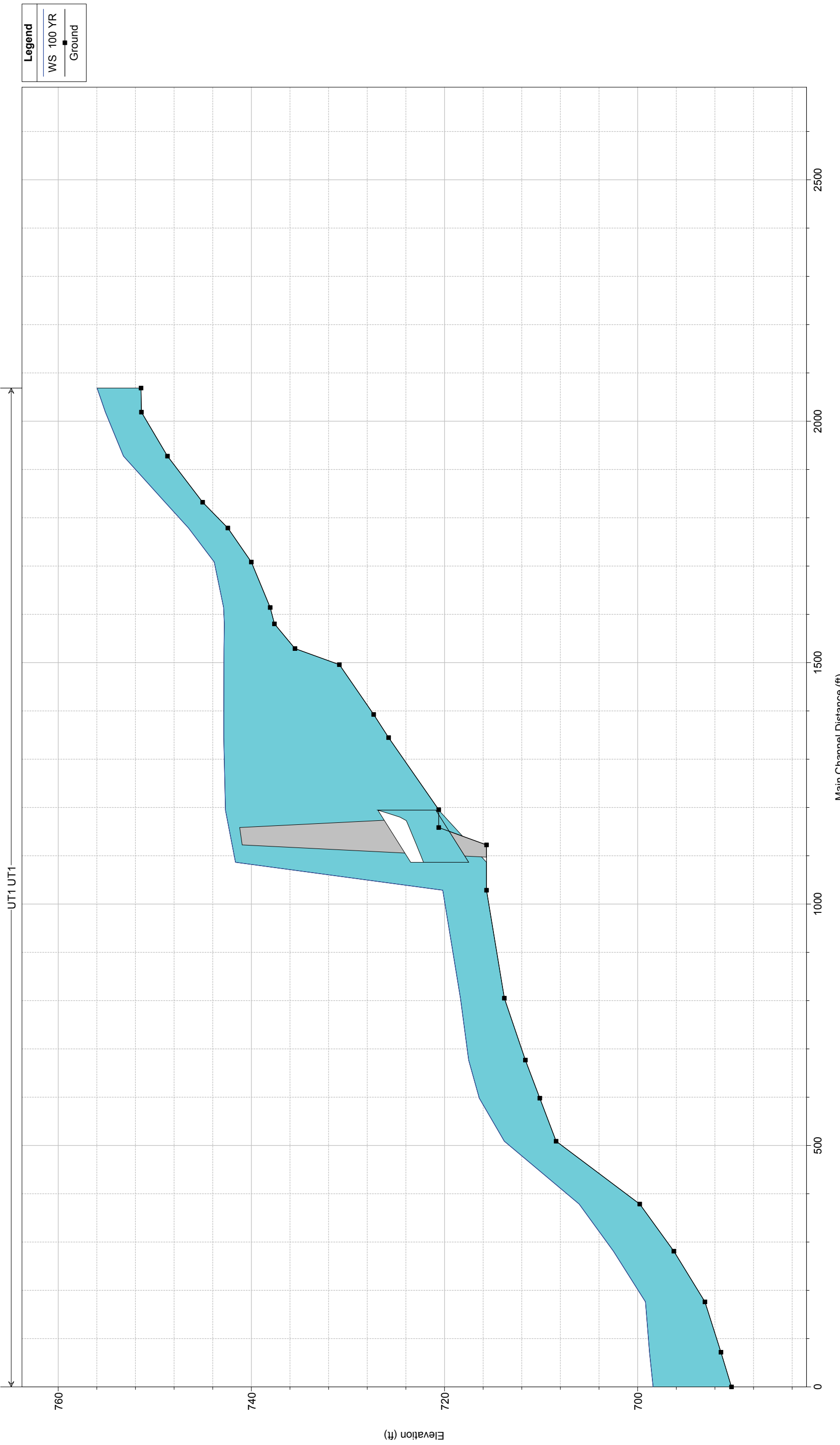


**Legend**

- WS 100 YR
- Ground

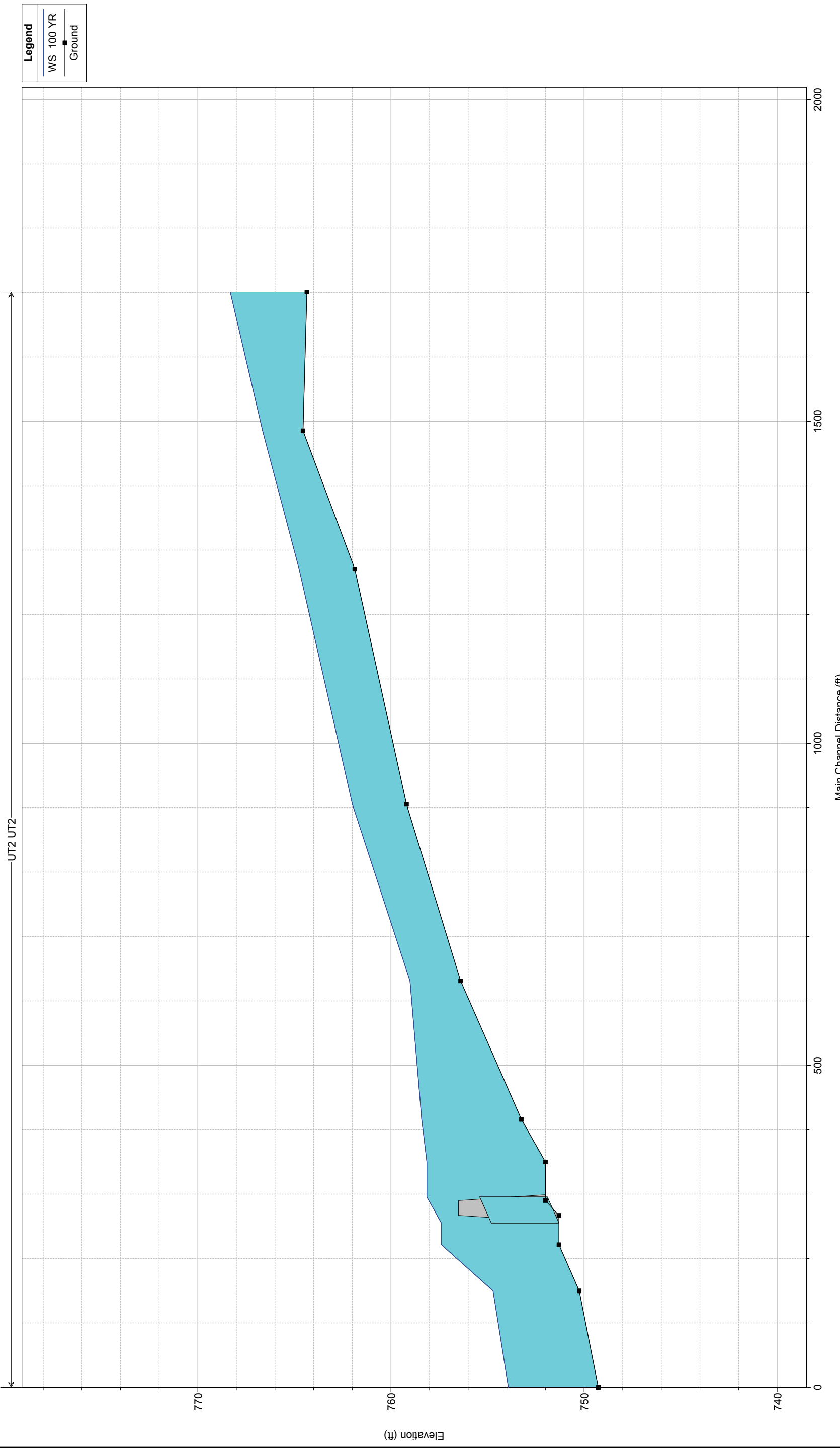
1 in Horiz. = 225 ft 1 in Vert. = 5 ft

Unnamed Tributary 1 Plan: Plan 01 8/21/2014



1 in Horiz. = 200 ft 1 in Vert. = 10 ft

Unnamed Tributary 2 Model Plan: UT2 Existing Plan 9/26/2014

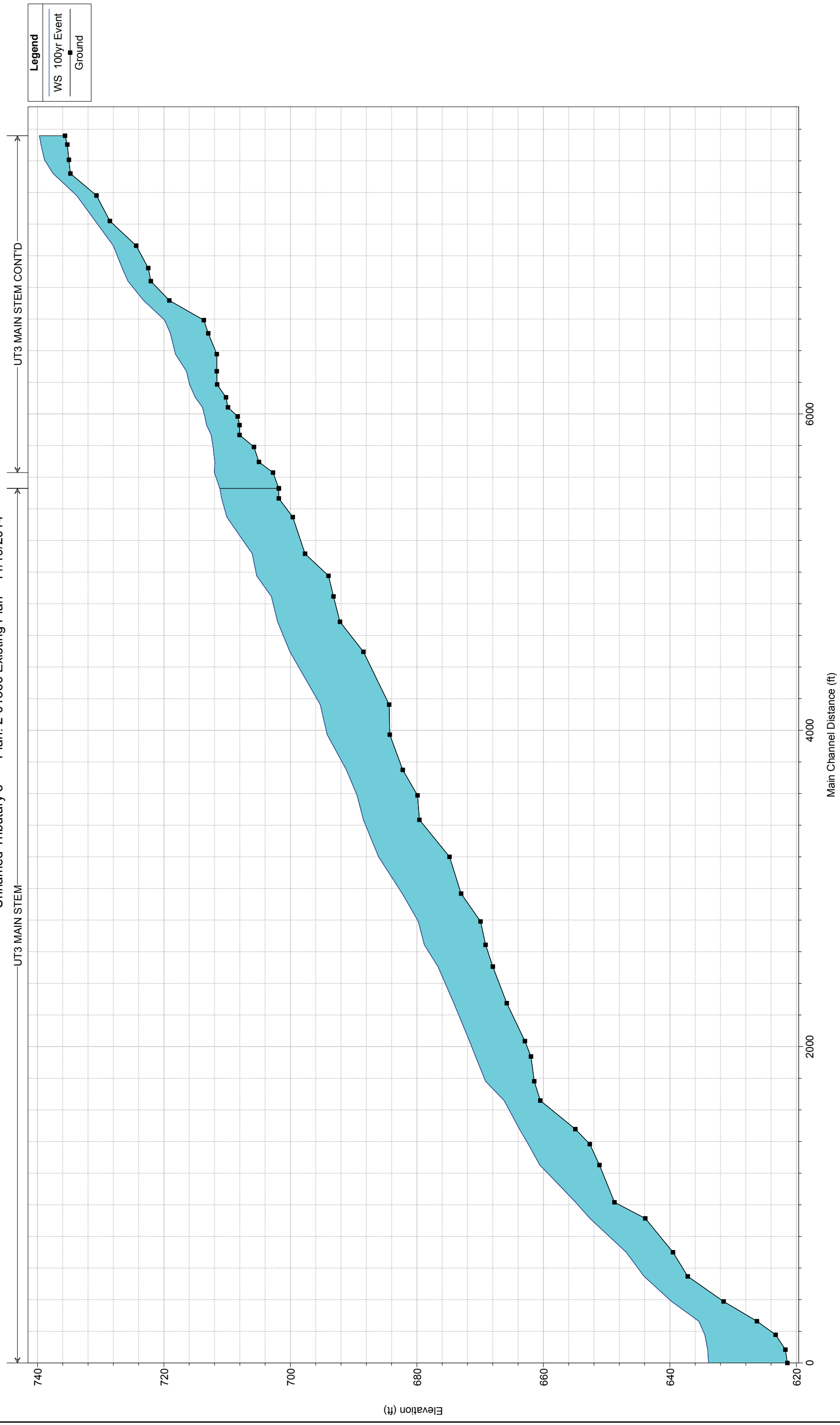


**Legend**

- WS 100 YR
- Ground

1 in Horiz. = 150 ft 1 in Vert. = 5 ft

Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014



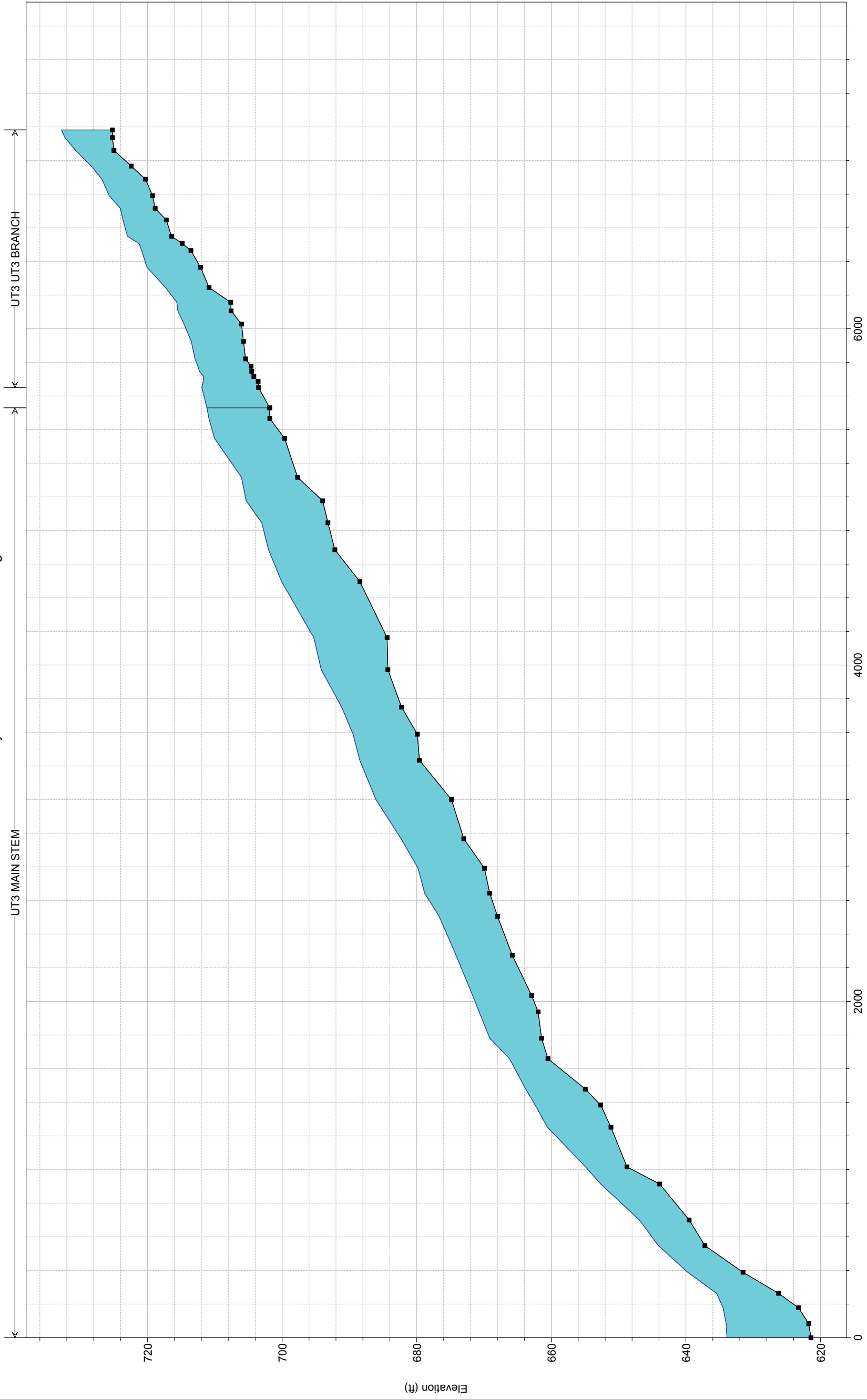
1 in Horiz. = 600 ft 1 in Vert. = 15 ft



Unnamed Tributary 3 Plan: 2-01366 Existing Plan 11/19/2014

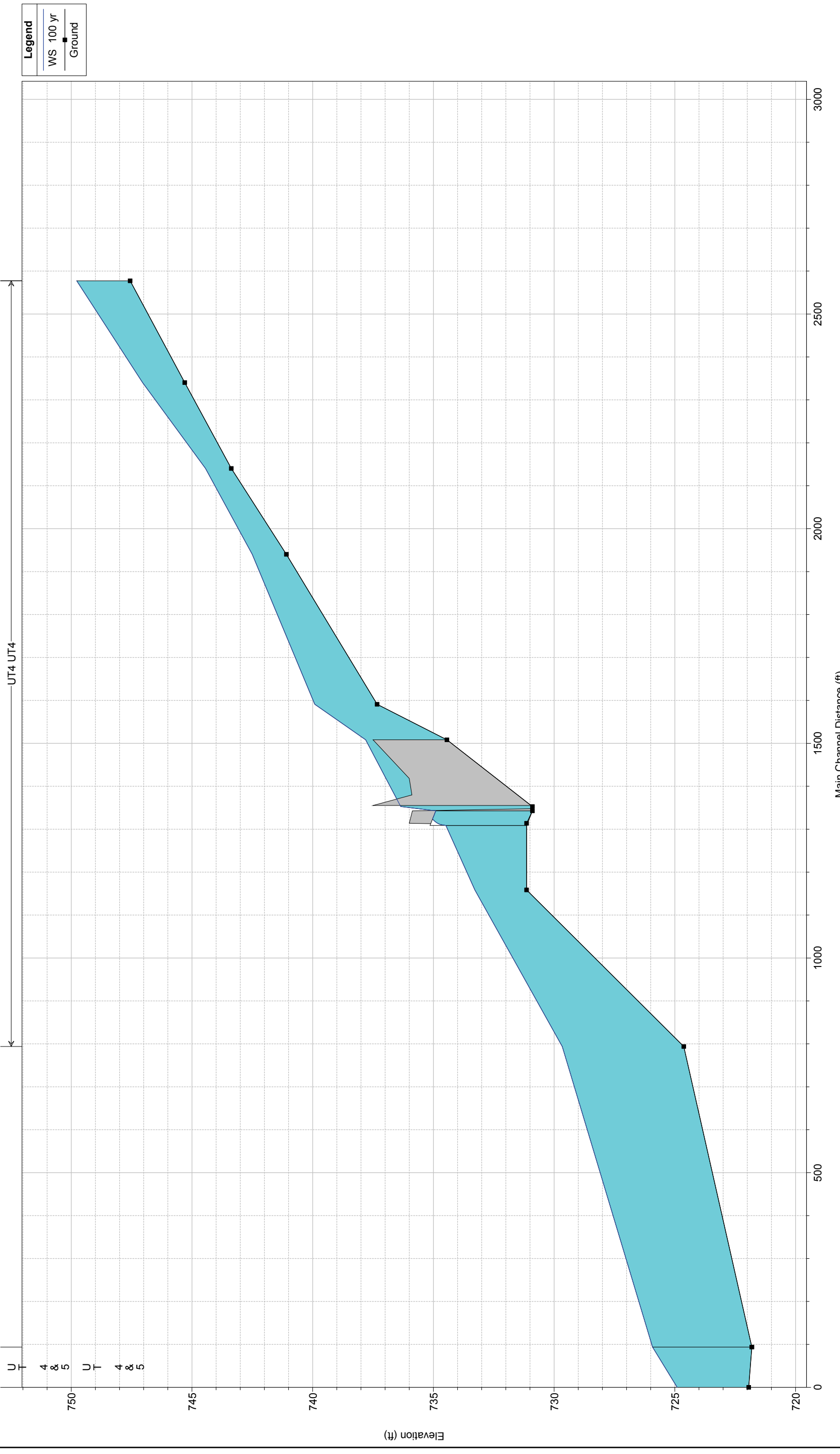
**Legend**

- WS 100yr Event
- Ground



1 in Horiz. = 600 ft 1 in Vert. = 15 ft

Unnamed Tributary 4 Plan: 2-01366 Existing Flow 10/31/2014



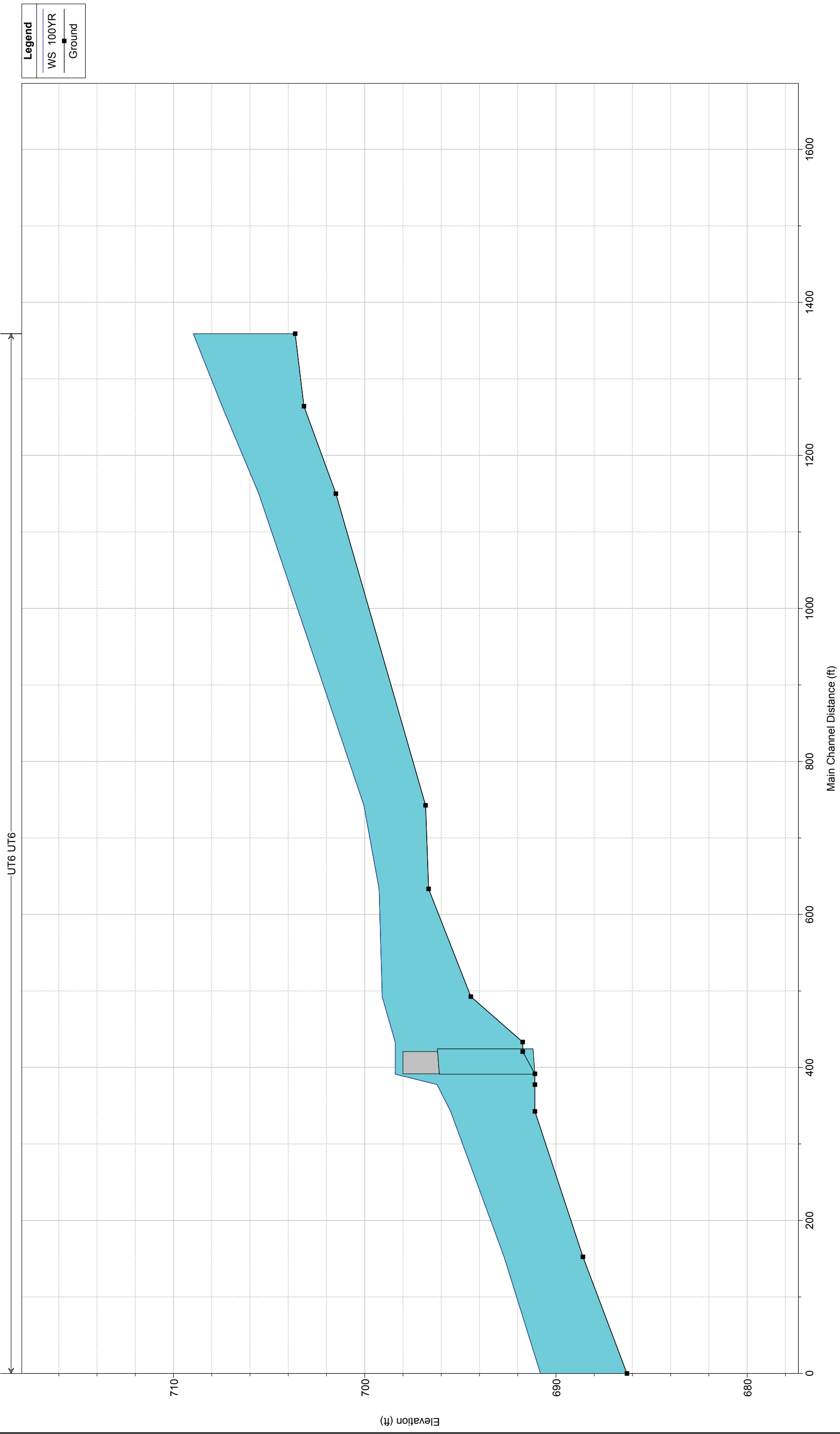
UT 4 & 5  
UT 4 & 5

Legend  
WS 100 yr  
Ground

1 in Horiz. = 225 ft 1 in Vert. = 4 ft



Unnamed Tributary 6 Plan: 2-01366 UT6 PLAN 01 9/3/2014



1 in Horiz. = 125 ft 1 in Vert. = 5 ft

Walker Partners L.L.C.

Engineer's Opinion of Probable Cost

City of Harker Heights  
Goode - Connell Park Regional Detention Pond Improvements

Capital Improvement Number 1  
17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preperation	1	LS	\$ 1,500.00	\$ 1,500.00
1.01	Excavation & Shaping	89000	CY	\$ 7.00	\$ 623,000.00
1.02	Topsoil, grass, seed, and hydromulch	33500	SY	\$ 2.00	\$ 67,000.00
1.03	SWPPP & Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.04	Mobilization & Bonds	1	LS	\$ 55,560.00	\$ 55,560.00
1.05	Contingencies (10%)	1	LS	\$ 75,006.00	\$ 75,006.00
<b>Total Construction Cost</b>					<b>\$ 825,066.00</b>
Engineering & Inspection					\$ 18,000.00
Surveying					\$ 3,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 846,066.00</b>

Walker Partners L.L.C.

Engineer's Opinion of Probable Cost

City of Harker Heights  
Clare Road to Downstream of Beeline

Capital Improvement Number 2 - Phase 1  
11-Mar-15

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Prep	1	LS	\$ 6,250.00	\$ 6,250.00
1.01	Landscaping & Fence Replacement	1	LS	\$ 10,000.00	\$ 10,000.00
1.02	3 - 6 'X 4' Box Culvert @ Clare Rd.	50	LF	\$ 400.00	\$ 20,000.00
1.03	Headwalls for Culvert @ Clare Rd.	2	EA	\$ 5,000.00	\$ 10,000.00
1.04	Concrete Channel	390	LF	\$ 250.00	\$ 97,500.00
1.05	SWPPP & Implementation	2	EA	\$ 5,000.00	\$ 10,000.00
1.06	Traffic Control Plan & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.07	Mobilization & Bonds (5%)	1	LS	\$ 7,937.50	\$ 7,937.50
1.08	Construction Contingencies (10%)	1	LS	\$ 16,668.75	\$ 16,668.75
<b>Total Construction Cost</b>					<b>\$ 183,356.25</b>
Engineering, Inspection & Reimbursables					\$ 20,000.00
*Surveying (design & construction)					\$ 7,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 210,356.25</b>

\* Surveying does not include preparation of any necessary drainage easements

Walker Partners L.L.C.

Engineer's Opinion of Probable Cost

City of Harker Heights  
Beeline Culverts to Downstream of Robin Road

Capital Improvement Number 2 - Phase 2  
10-Mar-15

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Prep	1	LS	\$ 6,250.00	\$ 6,250.00
1.01	Landscaping & Fence Replacement	1	LS	\$ 10,000.00	\$ 10,000.00
1.02	Concrete Channel	610	LF	\$ 250.00	\$ 152,500.00
1.03	3 - 6' X 5' Box Culvert @ Beeline	50	LF	\$ 450.00	\$ 22,500.00
1.04	Headwalls for Culvert @ Beeline	2	EA	\$ 5,000.00	\$ 10,000.00
1.05	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.06	Traffic Control Plan & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.07	Mobilization & Bonds (5%)	1	LS	\$ 10,562.50	\$ 10,562.50
1.08	Construction Contingencies (10%)	1	LS	\$ 22,181.25	\$ 22,181.25
<b>Total Construction Cost</b>					<b>\$ 243,993.75</b>
Engineering, Inspection & Reimbursables					\$ 25,000.00
*Surveying (design & construction)					\$ 7,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 275,993.75</b>

\* Surveying does not include preparation of any necessary drainage easements

Walker Partners L.L.C.

Engineer's Opinion of Probable Cost

City of Harker Heights  
Robin Road to Downstream of Amy Lane

Capital Improvement Number 2 - Phase 3  
10-Mar-15

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Prep	1	LS	\$ 6,250.00	\$ 6,250.00
1.01	Landscaping & Fence Replacement	1	LS	\$ 10,000.00	\$ 10,000.00
1.02	Concrete Channel	1200	LF	\$ 250.00	\$ 300,000.00
1.03	2 - 6' X 5' Box Culvert @ Robin Ln.	50	LF	\$ 450.00	\$ 22,500.00
1.04	Headwalls for Box Culvert @ Robin Ln	2	EA	\$ 5,000.00	\$ 10,000.00
1.05	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.06	Traffic Control Plan & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.07	Mobilization & Bonds (5%)	1	LS	\$ 17,937.50	\$ 17,937.50
1.08	Construction Contingencies (10%)	1	LS	\$ 37,668.75	\$ 37,668.75
<b>Total Construction Cost</b>					<b>\$ 414,356.25</b>
Engineering, Inspection & Reimbursables					\$ 42,000.00
*Surveying (design & construction)					\$ 7,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 463,356.25</b>

\* Surveying does not include preparation of any necessary drainage easements



Walker Partners L.L.C.

Engineer's Opinion of Probable Cost

City of Harker Heights  
Drainage Outlet Channels - Indian Oaks Drive to Clore Road

Capital Improvement Number 2 - Phase 4  
11-Mar-15

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Prep	1	LS	\$ 6,250.00	\$ 6,250.00
1.01	42-inch Reinforced Concrete Pipe	250	LF	\$ 120.00	\$ 30,000.00
1.02	48-inch Reinforced Concrete Pipe	350	LF	\$ 150.00	\$ 52,500.00
1.03	Curb Inlets (Cherokee & Elbert)	4	EA	\$ 5,000.00	\$ 20,000.00
1.04	Concrete Channel (Elbert to Cardinal)	480	LF	\$ 180.00	\$ 86,400.00
1.05	6' X 4' Box Culvert (Cardinal to Ditch)	150	LF	\$ 250.00	\$ 37,500.00
1.06	Concrete Channel (Indian Oaks to Elbert)	680	LF	\$ 190.00	\$ 129,200.00
1.07	6' X 4' Box Culvert Crossing Elbert	40	LF	\$ 250.00	\$ 10,000.00
1.08	Headwalls for Box Culvert @ Elbert	2	EA	\$ 5,000.00	\$ 10,000.00
1.09	Concrete Channel (Elbert to Cardinal)	680	LF	\$ 200.00	\$ 136,000.00
1.10	8' X 4' Box Culvet crossing Cardinal	40	LF	\$ 300.00	\$ 12,000.00
1.11	Headwalls for Box Culvert @ Cardinal	2	EA	\$ 5,000.00	\$ 10,000.00
1.12	Concrete Channel (Cardinal to Channel)	150	LF	\$ 250.00	\$ 37,500.00
1.13	Landscaping & Fence Replacement	1	LS	\$ 10,000.00	\$ 10,000.00
1.14	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.15	Traffic Control Plan & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.16	Mobilization & Bonds (5%)	1	LS	\$ 29,867.50	\$ 29,867.50
1.17	Construction Contingencies (10%)	1	LS	\$ 62,721.75	\$ 62,721.75
<b>Total Construction Cost</b>					<b>\$ 689,939.25</b>
Engineering, Inspection & Reimbursables					\$ 72,000.00
*Surveying (design & construction)					\$ 7,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 768,939.25</b>

\* Surveying does not include preparation of any necessary drainage easements

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Regional Detention Pond at Harker Heights High School

Capital Improvement Number 3

17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preparation	1	LS	\$ 3,000.00	\$ 3,000.00
1.01	Unclassified Excavation	28,741	CY	\$ 5.00	\$ 143,705.00
1.02	Earth Fill Embankment	5091	CY	\$ 4.00	\$ 20,364.00
1.03	Outlet Structure	1	LS	\$ 60,000.00	\$ 60,000.00
1.04	Topsoil, Seeding & Erosion Control mat	35,000	SY	\$ 3.00	\$ 105,000.00
1.05	Downstream Channel Shaping	150	LF	\$ 100.00	\$ 15,000.00
1.06	Removal of Existing Structures	1	LS	\$ 3,000.00	\$ 3,000.00
1.07	SWPPP & Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.08	Mobilization & Bonds	1	LS	\$ 28,246.00	\$ 28,246.00
1.09	Contingencies (10%)	1	LS	\$ 38,132.00	\$ 38,132.00
<b>Total Construction Cost</b>					<b>\$ 419,447.00</b>
Engineering & Inspection					\$ 42,500.00
Surveying ( Easements & Construction)					\$ 12,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 473,947.00</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
 Tanglewood Drive & Thoroughbred Subdivision Drainage Project  
 Tanglewood Drive & Man-O-War Drive  
 Capital Improvement Number 4  
 17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preperation	1	LS	\$ 5,000.00	\$ 5,000.00
1.01	18-inch RCP Storm Drainage Culvert	240	LF	\$ 60.00	\$ 14,400.00
1.02	24-inch RCP Storm Drainage Culvert	500	LF	\$ 80.00	\$ 40,000.00
1.03	30-inch RCP Storm Drainage Culvert	490	LF	\$ 90.00	\$ 44,100.00
1.04	30-inch HDPE Storm Drainage Culvert	300	LF	\$ 80.00	\$ 24,000.00
1.05	36-inch RCP Storm Drainage Culvert	870	LF	\$ 100.00	\$ 87,000.00
1.06	42-inch RCP Storm Drainage Culvert	180	LF	\$ 120.00	\$ 21,600.00
1.07	48-inch HDPE Storm Drainage Culvert	200	LF	\$ 90.00	\$ 18,000.00
1.08	10-ft Curb Inlet	16	EA	\$ 4,500.00	\$ 72,000.00
1.09	15-ft Curb Inlet	1	EA	\$ 5,500.00	\$ 5,500.00
1.10	20-ft Curb Inlet	1	EA	\$ 7,000.00	\$ 7,000.00
1.11	48-inch Outlet Structure with Scour Apron	1	EA	\$ 10,000.00	\$ 10,000.00
1.12	Asphalt Surface Replacement	1200	SY	\$ 40.00	\$ 48,000.00
1.13	Demolish Existing Flumes	1	LS	\$ 20,000.00	\$ 20,000.00
1.14	Fence Removal & Replacement	350	LF	\$ 20.00	\$ 7,000.00
1.15	Landscaping & Grass Sodding	1	LS	\$ 20,000.00	\$ 20,000.00
1.16	Traffic Control & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.17	Water Service Reconnections	30	EA	\$ 600.00	\$ 18,000.00
1.18	Wastewater Service Reconnections	30	EA	\$ 800.00	\$ 24,000.00
1.19	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.20	Mobilization & Bonds	1	LS	\$ 39,648.00	\$ 39,648.00
1.21	Contingencies (10%)	1	LS	\$ 53,025.00	\$ 53,025.00
<b>Total Construction Cost</b>					<b>\$ 588,273.00</b>
Engineering & Inspection					\$ 60,000.00
Surveying					\$ 24,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 672,273.00</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Christina Circle Drainage Improvements

Capital Improvement Number 5

17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preperation	1	LS	\$ 1,000.00	\$ 1,000.00
1.01	Demolish Existing Concrete Flume	1	LS	\$ 5,000.00	\$ 5,000.00
1.02	Salvage Existing Rock Rip-Rap	1	LS	\$ 2,500.00	\$ 2,500.00
1.03	Unclassified Excavation	120	SY	\$ 15.00	\$ 1,800.00
1.04	Curb & Gutter Removal & Replacement	30	LF	\$ 20.00	\$ 600.00
1.05	Construct Flume	140	SY	\$ 60.00	\$ 8,400.00
1.06	Remove & Replace 6' Privacy Fence	80	LF	\$ 20.00	\$ 1,600.00
1.07	Topsoil & Sodding	120	SY	\$ 10.00	\$ 1,200.00
1.08	Shape Outlet & Downstream Channel	1	LS	\$ 3,000.00	\$ 3,000.00
1.09	Replace Rock Rip-Rap & Filter Cloth	1	LS	\$ 3,000.00	\$ 3,000.00
1.10	SWPPP & Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.11	Mobilization & Bonds	1	LS	\$ 2,248.00	\$ 2,248.00
1.12	Contingencies (10%)	1	LS	\$ 3,335.00	\$ 3,335.00
<b>Total Construction Cost</b>					<b>\$ 36,683.00</b>
Engineering & Inspection					\$ 6,000.00
Surveying					\$ 4,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 46,683.00</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Indian Trail Downstream Channel Improvement Project

Capital Improvement Number 6  
17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preperation	1	LS	\$ 8,000.00	\$ 8,000.00
1.01	Channel Excavation & Shaping	320	LF	\$ 30.00	\$ 9,600.00
1.02	Reinforced Channel Lining - 6 inch Thick	1580	SY	\$ 60.00	\$ 94,800.00
1.03	Grouted Rock Riprap Scour Protection	150	SY	\$ 50.00	\$ 7,500.00
1.04	Revegetate Channel Bank	1450	SY	\$ 3.00	\$ 4,350.00
1.05	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.06	Mobilization & Bonds	1	LS	\$ 10,340.00	\$ 10,340.00
1.07	Contingencies (10%)	1	LS	\$ 13,959.00	\$ 13,959.00
<b>Total Construction Cost</b>					<b>\$ 153,549.00</b>
Engineering & Inspection					\$ 18,000.00
Surveying					\$ 3,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 174,549.00</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase I - Proposed Channel Improvement Downstream of FM 2410  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 10,741.30	\$ 10,741.30
1.01	SWPPP and Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.02	Unclassified Channel Excavation	500	CY	\$ 15.00	\$ 7,500.00
1.03	Channel Embankment	500	CY	\$ 5.00	\$ 2,500.00
1.04	Fine Grading	1899	SY	\$ 2.00	\$ 3,798.00
1.05	6-Inch Concrete Channel Lining	1961	SY	\$ 45.00	\$ 88,245.00
1.06	Curlex and Seeding	474	SY	\$ 5.00	\$ 2,370.00
<b>Total Construction Cost</b>					<b>\$ 118,154.30</b>
Contingencies, Engineering & Surveying					\$ 35,446.29
<b>TOTAL PROJECT COST</b>					<b>\$ 153,600.59</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase I - Proposed Improvement Upstream of FM 2410  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 29,265.00	\$ 29,265.00
1.01	SWPPP and Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.02	Unclassified Channel Excavation	2074	CY	\$ 15.00	\$ 31,110.00
1.03	Channel Embankment	626	CY	\$ 5.00	\$ 3,130.00
1.04	Fine Grading	5195	SY	\$ 2.00	\$ 10,390.00
1.05	6-Inch Concrete Channel Lining	5239	SY	\$ 45.00	\$ 235,755.00
1.06	Curlex and Seeding	1853	SY	\$ 5.00	\$ 9,265.00
<b>Total Construction Cost</b>					<b>\$ 321,915.00</b>
Contingencies, Engineering & Surveying					\$ 96,574.50
<b>TOTAL PROJECT COST</b>					<b>\$ 418,489.50</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase I - Proposed Channel Improvement Downstream of Eland Trail  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 29,483.50	\$ 29,483.50
1.01	SWPPP and Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.02	Demolish Existing Channel Lining	2778	SY	\$ 17.00	\$ 47,226.00
1.03	Unclassified Channel Excavation	2854	CY	\$ 15.00	\$ 42,810.00
1.04	Fine Grading	4107	SY	\$ 2.00	\$ 8,214.00
1.05	6-Inch Concrete Channel Lining	4119	SY	\$ 45.00	\$ 185,355.00
1.06	Curlex and Seeding	1646	SY	\$ 5.00	\$ 8,230.00
<b>Total Construction Cost</b>					<b>\$ 324,318.50</b>
Contingencies, Engineering & Surveying					\$ 97,295.55
<b>TOTAL PROJECT COST</b>					<b>\$ 421,614.05</b>



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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase I - Proposed Culvert Improvement under Eland Trail  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 6,981.60	\$ 6,981.60
1.01	Traffic Control Plan and Implementation	1	LS	\$ 1,500.00	\$ 1,500.00
1.02	Trench Safety Plan	1	LS	\$ 1,500.00	\$ 1,500.00
1.03	Unclassified Channel Excavation	25	CY	\$ 15.00	\$ 375.00
1.04	Fine Grading	59	SY	\$ 2.00	\$ 118.00
1.05	6-Inch Concrete Channel Lining	59	SY	\$ 45.00	\$ 2,655.00
1.06	Curlex and Seeding	33	SY	\$ 5.00	\$ 165.00
1.07	Precast 6'x4' TxDOT R.C. Box Culvert	89	LF	\$ 425.00	\$ 37,825.00
1.08	Demolish Existing Parallel Headwalls	2	EA	\$ 3,500.00	\$ 7,000.00
1.09	TxDOT Concrete Parallel Headwalls	2	EA	\$ 10,000.00	\$ 20,000.00
1.10	Trench Safety Implementation	89	LF	\$ 2.00	\$ 178.00
<b>Total Construction Cost</b>					<b>\$ 78,297.60</b>
Contingencies, Engineering & Surveying					\$ 23,489.28
<b>TOTAL PROJECT COST</b>					<b>\$ 101,786.88</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase II - Proposed Culvert Improvement under Wildewood Drive  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 11,530.70	\$ 11,530.70
1.01	Traffic Control Plan and Implementation	1	LS	\$ 1,500.00	\$ 1,500.00
1.02	Trench Safety Plan	1	LS	\$ 1,500.00	\$ 1,500.00
1.03	Unclassified Channel Excavation	155	CY	\$ 15.00	\$ 2,325.00
1.04	Fine Grading	578	SY	\$ 2.00	\$ 1,156.00
1.05	6-Inch Concrete Channel Lining	529	SY	\$ 45.00	\$ 23,805.00
1.06	Precast 8'x4' TxDOT R.C. Box Culvert	93	LF	\$ 625.00	\$ 58,125.00
1.07	Demolish Existing Parallel Headwalls	2	EA	\$ 3,500.00	\$ 7,000.00
1.08	TxDOT Concrete Parallel Headwalls	2	EA	\$ 10,000.00	\$ 20,000.00
1.09	Curlex and Seeding	242	SY	\$ 5.00	\$ 1,210.00
1.10	Trench Safety Implementation	93	LF	\$ 2.00	\$ 186.00
<b>Total Construction Cost</b>					<b>\$ 128,337.70</b>
Contingencies, Engineering & Surveying					\$ 38,501.31
<b>TOTAL PROJECT COST</b>					<b>\$ 166,839.01</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Trimmier Creek Tributary Drainage Improvements

Capital Improvement Number 7 - Phase II - Proposed Improvement Upstream of Wildewood Drive  
14-Dec-09

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Mobilization	1	LS	\$ 33,597.60	\$ 33,597.60
1.01	SWPPP and Implementation	1	LS	\$ 3,000.00	\$ 3,000.00
1.02	Unclassified Channel Excavation	3331	CY	\$ 15.00	\$ 49,965.00
1.03	Channel Embankment	402	CY	\$ 5.00	\$ 2,010.00
1.04	Fine Grading	5723	SY	\$ 2.00	\$ 11,446.00
1.05	6-Inch Concrete Channel Lining	5739	SY	\$ 45.00	\$ 258,255.00
1.06	Curlex and Seeding	2260	SY	\$ 5.00	\$ 11,300.00
<b>Total Construction Cost</b>					<b>\$ 369,573.60</b>
Contingencies, Engineering & Surveying					\$ 110,872.08
<b>TOTAL PROJECT COST</b>					<b>\$ 480,445.68</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Old Nolanville Road Culvert Improvements

Capital Improvement Number 8  
17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Prep	1	LS	\$ 8,000.00	\$ 8,000.00
1.01	Demolish Existing Culvert	1	LS	\$ 10,000.00	\$ 10,000.00
1.02	Excavation	1	LS	\$ 15,000.00	\$ 15,000.00
1.03	72" Reinforced concrete Pipe	220	LF	\$ 300.00	\$ 66,000.00
1.04	Shape Outlet and Downstream Channel	1	LS	\$ 5,000.00	\$ 5,000.00
1.05	Rock Rip Rap	1	LS	\$ 3,000.00	\$ 3,000.00
1.06	Flexible Base 12" Thick	26	CY	\$ 45.00	\$ 1,170.00
1.07	HMA Pavement 2" Thick	80	SY	\$ 15.00	\$ 1,200.00
1.08	Concrete Curb and Gutter	40	LF	\$ 12.00	\$ 480.00
1.09	5' Sidewalk	25	SY	\$ 40.00	\$ 1,000.00
1.10	Remove and Replace Guardrail	40	LF	\$ 100.00	\$ 4,000.00
1.11	SWPPP & Implementation	1	LS	\$ 5,000.00	\$ 5,000.00
1.12	Mobilization & Bonds	1	LS	\$ 9,588.00	\$ 9,588.00
1.13	Construction Cost Contingencies (10%)	1	LS	\$ 12,144.00	\$ 12,144.00
<b>Total Construction Cost</b>					<b>\$ 141,582.00</b>
Engineering & Inspection					\$ 10,000.00
Surveying					\$ 5,000.00
<b>TOTAL PROJECT COST</b>					<b>\$ 156,582.00</b>

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Engineer's Opinion of Probable Cost

City of Harker Heights  
Harker Heights Tributary 1 Channel Improvement Project

Capital Improvement Number 9  
17-Nov-14

Item	Description	Quantity	Unit	Unit Price	Total Amount
1.00	Site Preperation	1	LS	\$ 8,000.00	\$ 8,000.00
1.01	Culvert Excavation	1	LS	\$ 15,000.00	\$ 15,000.00
1.02	10'X10' Concrete Box Culvert (VMB)	126	LF	\$ 800.00	\$ 100,800.00
1.03	Concrete Headwalls	2	EA	\$ 8,000.00	\$ 16,000.00
1.04	Shape Outlet and Downstream Channel	1	LS	\$ 5,000.00	\$ 5,000.00
1.05	Rock Rip Rap	1	LS	\$ 3,000.00	\$ 3,000.00
1.06	Flexible Base 12" Thick	50	CY	\$ 45.00	\$ 2,250.00
1.07	HMA Pavement 2" Thick	145	SY	\$ 15.00	\$ 2,175.00
1.08	Remove and Replace Guardrail	40	LF	\$ 100.00	\$ 4,000.00
1.09	Channel Excavation & Shaping	3800	LF	\$ 30.00	\$ 114,000.00
1.10	Revegetate Channel Bank	1500	SY	\$ 3.00	\$ 4,500.00
1.11	Mobilization & Bonds	1	LS	\$ 13,736.00	\$ 13,736.00
1.12	Contingencies (10%)	1	LS	\$ 28,846.00	\$ 28,846.00
<b>Total Construction Cost</b>					<b>\$ 317,307.00</b>
Engineering & Inspection					\$ 48,900.00
Surveying					\$ 13,600.00
<b>TOTAL PROJECT COST</b>					<b>\$ 379,807.00</b>