



CITY OF STOCKTON

**Benchmarks,
Elevations
and
Descriptions**

November 1996 Adjustment

April 2003 Revision

January 2011 Conversion to NAVD88



CITY OF STOCKTON

Benchmarks, Elevations and Descriptions

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* *The 2008 Conversion to NAVD88 is now required to be used by amendment to the City of Stockton's Standard Specifications and Plans, approved by City Council on January 25, 2011 by Resolution No. 11-0017. The transition to the new datum for existing projects will be considered on a project-specific basis by the respective department heads overseeing the project.*

FORWARD

The following is a chronological description of the City of Stockton's bench mark elevation and datum history:

ORIGINAL CITY OF STOCKTON DATUM

The original City of Stockton (COS) datum was an assumed elevation of 100 ft at an unknown bench mark in the general vicinity of McCleod Lake. This was probably done to avoid negative elevations in those areas below sea level.

1982 CITYWIDE CONVERSION TO NGVD29

In 1982, the City hired R.W. SIEGFRIED (RWS) & ASSOC. to determine the elevations for the control monuments, Bench Marks 1 thru 34, established in PHASE I of the COS horizontal control survey, as shown on Record of Survey Book 28 Page 58. The elevations were established by a Second Order level circuit and utilized the National Geodetic Vertical Datum of 1929 (NGVD29). The official adjustment of 1967 listed the elevation of 12.966 for U.S. Coast & Geodetic Survey (USC&GS) Bench Mark "C1041"(COS "D"), see U.S. survey monument descriptions on page 25, Permanent Identification (PID) JS1385 and was used as the initial bench mark to determine all subsequent elevations. A conversion from the original COS datum to the NGVD29 was then determined by comparing the elevations of U.S. PID HS0393 (originally COS bench mark "G") at City Hall near McCleod Lake as follows:

Original COS Datum Bench Mark Elevation = 98.41
NGVD29 Datum COS 1982 Elevation = 12.09
Conversion = 86.32

FEBRUARY 1984 ADDITIONS

In January and February 1984, elevations were determined by RWS for Bench Marks 35 thru 46, as shown on Record of Survey Book 28 Page 119. A second order level circuit was run from COS Bench Mark "D" to Bench Marks 16 and "F", utilizing the NGVD29 Datum elevations as established above.

In January of 1984, a report of the Vertical Control Survey for the East Stockton Sanitary Sewer Project (ESSSP) was published. This report was prepared by George S. Nolte and Associates. The report lists those bench marks used to establish their Datum as well as those new bench marks which were established. In February of 1984, ties were made

between the NGVD29 Datum as established above and the ESSSP Datum. The results are as follows:

CIRCUIT	NGVD29 DATUM	ESSSP DATUM	DIFFERENCE
C.O.S.-B.M. "F" to ESSSP T.B.M. 170 (BM No. 86)	20.860	20.574	+ .286
C.O.S.-B.M. "26" to U.S.C.&G.S. C-833 (BM No. L)	14.693	14.327	+ .360
C.O.S.-B.M. "28" to ESSSP T.B.M. 203 (BM No. 99)	12.402	12.087	+ .315

Average difference between the 1982 Stockton/NGVD29 Datum and the ESSSP Datum is +0.32 ft and was added to all of the bench marks listed in the ESSSP report. In turn, these adjusted bench marks are included herein as Bench Marks 47 thru 115 and "J" thru "M".

JUNE 1984 ADDITIONS

In April and May 1984, elevations were determined by RWS for Bench Marks 116 thru 134, as shown on Record of Survey Book 28 Page 138. A second order level circuit was run from and tied back to Bench Mark 31.

AUGUST 1985 ADDITIONS

Between January and August 1985, elevations were determined by RWS for Bench Marks 135 thru 163 and Bench Mark "N", as shown on Record of Survey Book 28 Page 180. Second order level circuits were run between Bench Marks 45 and 38, Bench Marks 38 and 6 and Bench Marks 6 and 35.

APRIL 1986 ADDITIONS

Between January and March 1986, elevations were determined by Wong Engineers, Inc. for Bench Marks 164 thru 188, as shown on Record of Survey Book 29 Page 8. Second order level circuits were run between Bench Marks 1 and 29, Bench Marks 29 and 125, and Bench Marks 26 and 134. In April 1986, levels were rerun on Bench Marks 164 thru 179 and the elevations were revised accordingly.

MAY 1986 ADDITIONS

In February and March 1986, elevations were determined by RWS for bench marks 189 thru 213, as shown on Record of Survey Book 29 Page 34. Second order level circuits were run between Bench Marks 135, 169, and 171 and between Bench Marks 123 and 119.

SEPTEMBER 1986 ADDITIONS

Between June and August 1986, elevations were determined by Wong Engineers, Inc. for Bench Marks 214 thru 246, as shown on Record of Survey Book 29 Page 61. Second order level circuits were run between Bench Marks 15 and 160, and Bench Marks 26 and 187.

SEPTEMBER 1987 ADDITIONS

Between April and September 1987, elevations were determined by Wong Engineers, Inc. for Bench Marks 247 thru 274, as shown on Record of Survey Book 29 Page 168. Second order level circuits were run between Bench Marks 229, 235, and 240, Bench Mark No. 33 and 211. In September 1987, levels were rerun on Bench Mark No. 230 and 231 and revised.

APRIL 1988 ADDITIONS

Between January and April 1988, elevations were determined by RWS for Bench Marks 275 thru 304, as shown on Record of Survey Book 30 Page 17. Second order level circuits were run between Bench Marks 157 and "A," Bench Marks "A" and 152, Bench Marks 152 and 145, and Bench Marks 145 and "N."

JUNE 1991 ADDITIONS

Between March and June 1991, elevations were determined by RWS by Second Order level circuits for Bench Marks 305 thru 318 and "P", as shown on Record of Survey Book 32 Page 49.

SEPTEMBER 1992 ADDITIONS AND REVISIONS

Between May and July of 1992, elevations were determined by R.W. Siegfried & Associates for Bench Marks 319 thru 339, "Q," and "R", as shown on Record of Survey Book 32 Page 96, utilizing Second Order level circuits. Based on COS second order level circuits the following bench marks were revised: "N," 35-42, 58, 133, 134, 137-141, 143-145, 166, 167, 213, and 271.

NOVEMBER 1996 CITYWIDE ADJUSTMENT

In 1991, Towill Inc., a surveying and photogrametric engineering company, was hired by Schaaf & Wheeler, a consulting civil engineering company, commissioned by FEMA to produce a flood plain study of San Joaquin County. Utilizing the official NGVD29 elevations, Towill ran several Second Order Class 1 level loops from the SJCO BM "FE 17.6" along Hwy

26 and the diverting canal into east Stockton, then north along HW88 to Lockeford and west along Bear Creek to NW Stockton. The average difference between the current City of Stockton (COS) elevations and the Towill elevations is -0.7 ft. The City verified this difference utilizing the Global Positioning System (GPS) surveys performed in the fall of 1993 and the winter of 1994. Utilizing the Second Order differential leveling data gathered by the COS survey crew and the GPS elevation differences with direct ties to the Towill Elevation Reference Marks (ERM), a least square adjustment was completed. Those bench marks that were not surveyed were adjusted based on the existing elevation differences and the correction at the nearest occupied bench mark.

Several new bench marks were also added. Bench Marks 340 and 341 were set for future use as GPS "Base Stations", and Bench Marks 1009, 1014 thru 1017, 1019, and 1033 thru 1036 correspond to the numbers assigned to the GPS surveyed points shown on the Record of Survey Book 33 Page 20, numbers 1040 thru 1042 shown on Record of Survey Book 33 Page 142. Also, those bench marks numbered 342 thru 375 are the Towill ERM set in the Stockton area. All existing bench marks and survey monuments established by Federal Agencies (USCGS, USGS, USCE, NGS) found and elevated are now listed in a separate section titled "Existing US Survey Monuments". This will include the COS bench marks previously labeled "A", "B", etc. and will utilize the National Geodetic Survey (NGS) PID number and include some of the official data published for the specific monument. Also, the numerical listing of bench marks was revised and moved to the end of the bench mark book and labeled Appendix A, titled "City of Stockton Bench Mark Elevation Adjustment and Datum Comparison" (See Index). This Appendix shows a comparison of the initial elevations and the newly adjusted ones. Also included are the elevations based on the new North American Vertical Datum of 1988(NAVD88), which are provided for **information only**. Although these elevations were published by the National Geodetic Survey(NGS) in 1990, we will continue to utilize the NGVD29 newly adjusted elevations provided herein and designated as "COS96 Local Adjustment". The following is the current conversion from the old original COS Datum to the NGVD29, COS96 Adjustment:

Original COS Datum Bench Mark "G" Elevation = 98.41
NGVD29 Datum COS96 Elevation = 11.48
Conversion = 86.93

MARCH 2000 ADDITIONS AND REVISIONS

Between January of 1997 and January of 2000, elevations were determined by C.O.S. second order level circuits and the following existing bench marks were revised: U.S. #HS0082, HS0103, HS0104, HS4493, HS4664, HS4763, and C.O.S. #16, 17, 27, 43, 44, 46, 66, 75, 95, 97, 98, 103, 110-115, 122-125, 127-130, 135, 170, 171, 177-179, 189, 190, 196,

203-208, 221, 222, 249, 251, 252, 312-314, 319, 320, 344, 358,1014,1015, 1034, 1036. Also, the following bench marks were added: U.S. #AE9892, AE9895, HS0118, HS0121, HS0122, HS0309, HS0753, and C.O.S. #377-395, 1013, 1031,1040, 1041. Also, the following bench marks were reset: C.O.S. #15, 148, 152, 193, 195, and 277.

2008 CITYWIDE BENCHMARK VERTICAL DATUM CONVERSION TO NAVD88

In 2008, Siegfried Engineering, Inc. (Siegfried) was hired by the City of Stockton to perform a citywide level loop run containing approximately 220 City of Stockton (COS) Benchmarks. The project was to convert the selected COS monuments from NGVD29 to NAVD88 elevations.

Siegfried surveyed a citywide level loop network containing 43 interconnecting level loops. Several National Geodetic Survey monuments of First Order Class II vertical were reviewed for a starting point to the survey. The centrally located National Geodetic Survey (NGS) monument HS 0082 (COS Benchmark 1050) was selected as the starting point of the level network with an elevation of 21.30-feet as taken from the National Geodetic Survey Data Sheet. Additional National Geodetic Survey monuments (AE9895, HS0093, HS0118, HS0393, HS0440, and HS4763) were incorporated into the survey as elevation control checks. Siegfried performed the level run using a Leica DNA 10 digital level. A level rod turning plate was used for all turning points between benchmarks. The resulting level loops were processed and adjusted using Leica's Geo Office (LGO) version 7.

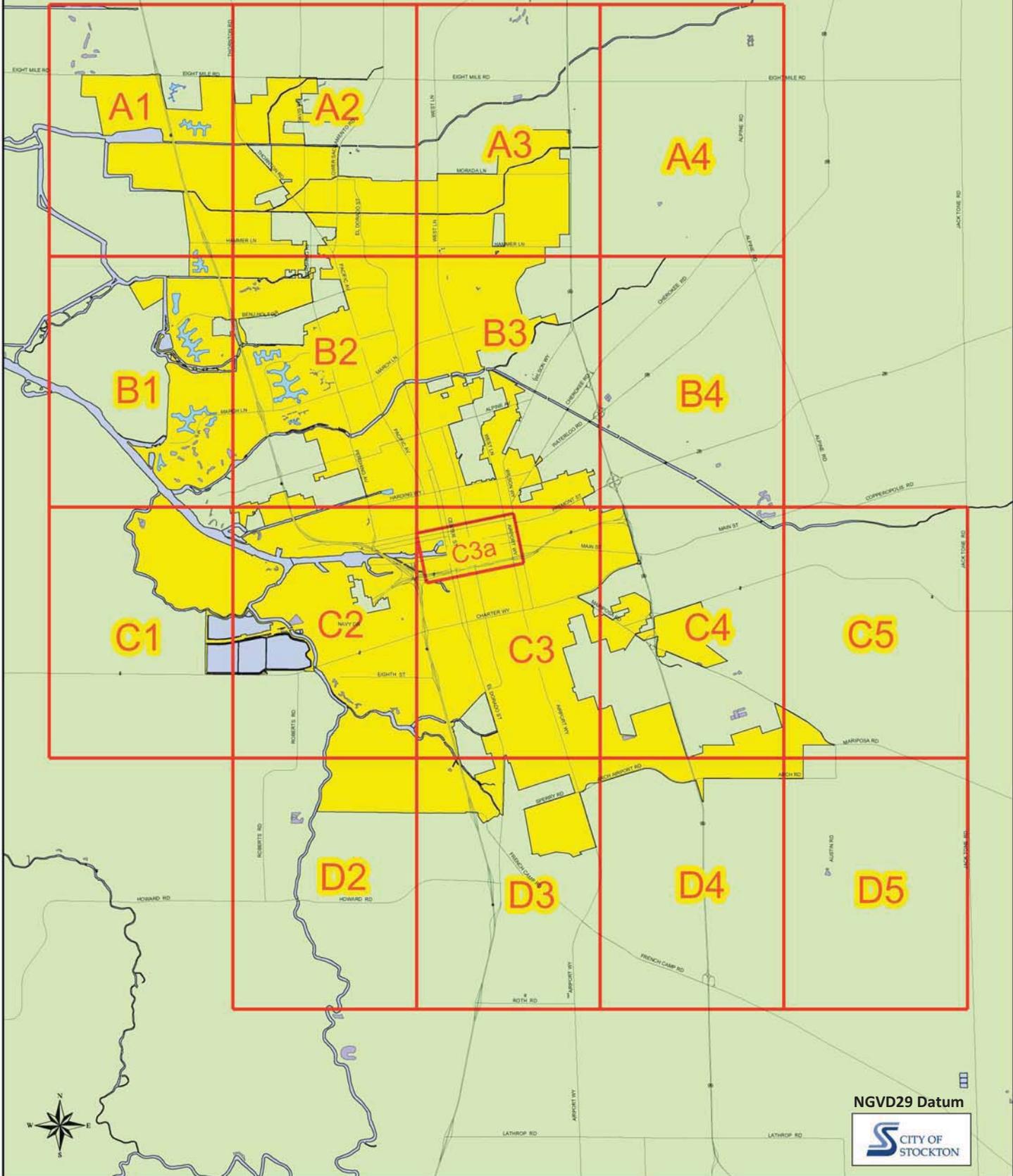
The 2008 Conversion to NAVD88 is now required to be used by amendment to the City of Stockton's Standard Specifications and Plans, approved by City Council on January 25, 2011 by Resolution No. 11-0017. The transition to the new datum for existing projects will be considered on a project-specific basis by the respective department heads overseeing the project.

NOTE: See Appendix B for the 2008 Citywide Benchmark Vertical Datum Conversion for use, effective immediately.

Survey Monuments & Benchmarks

NGVD29 Datum

CITY OF STOCKTON SURVEY MONUMENT INDEX OF MAP PAGES



NGVD29 Datum SURVEY MONUMENT LEGEND

Monument Key

-  C.O.S. HORIZONTAL ONLY
-  C.O.S. VERTICAL ONLY
-  C.O.S. HORIZONTAL + VERTICAL
-  FEDERAL MONUMENTS
-  FEDERAL WITH NAVD88 ELEV.
-  STATE OF CALIFORNIA
-  SAN JOAQUIN COUNTY
-  EASTBAY MUNICIPAL UTILITIES DEPT.

Notes:

1) G.P.S. occupied monuments
shown in red

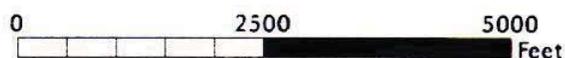
2) Traversed monuments shown
in green

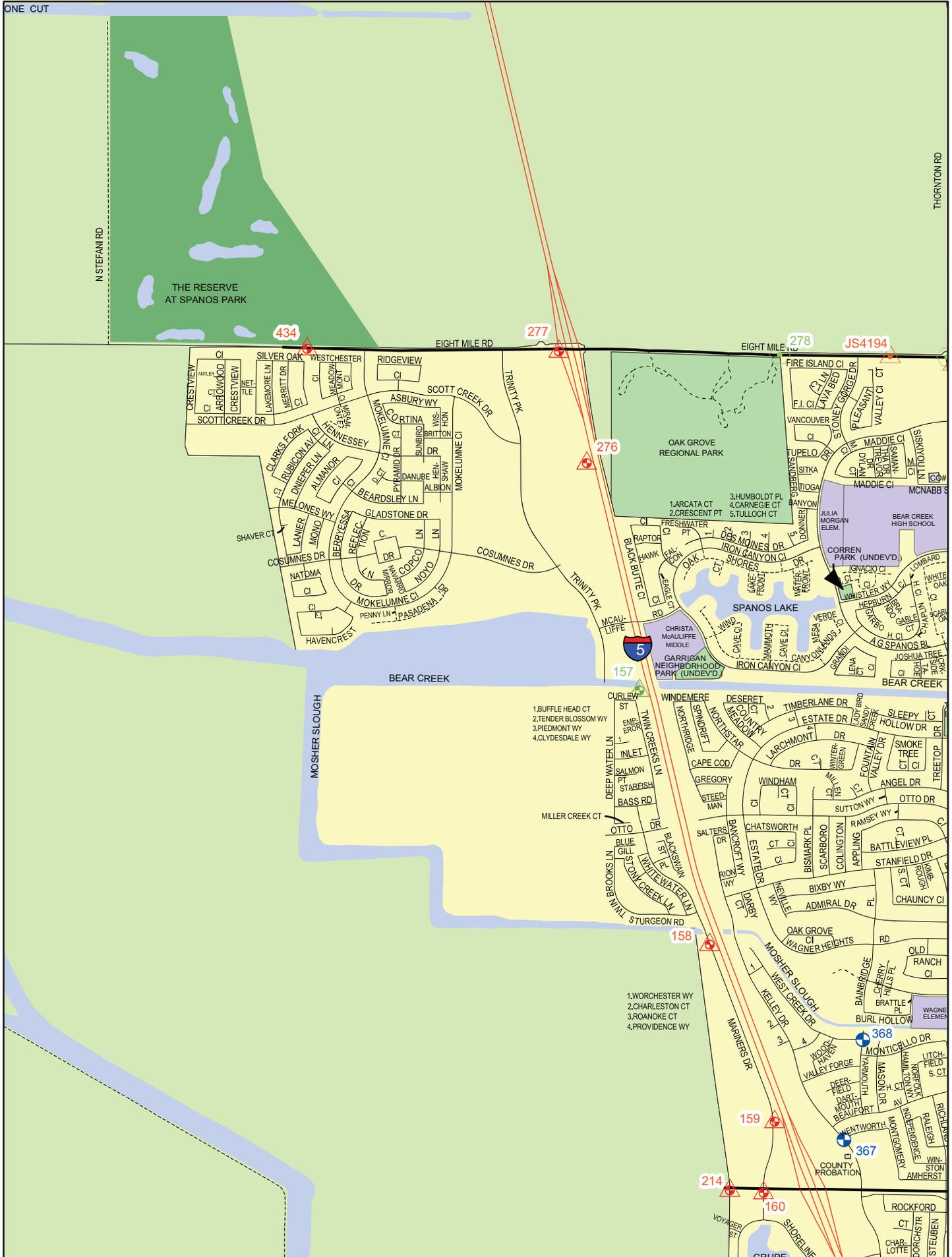
3) Approximately located monuments
shown in blue

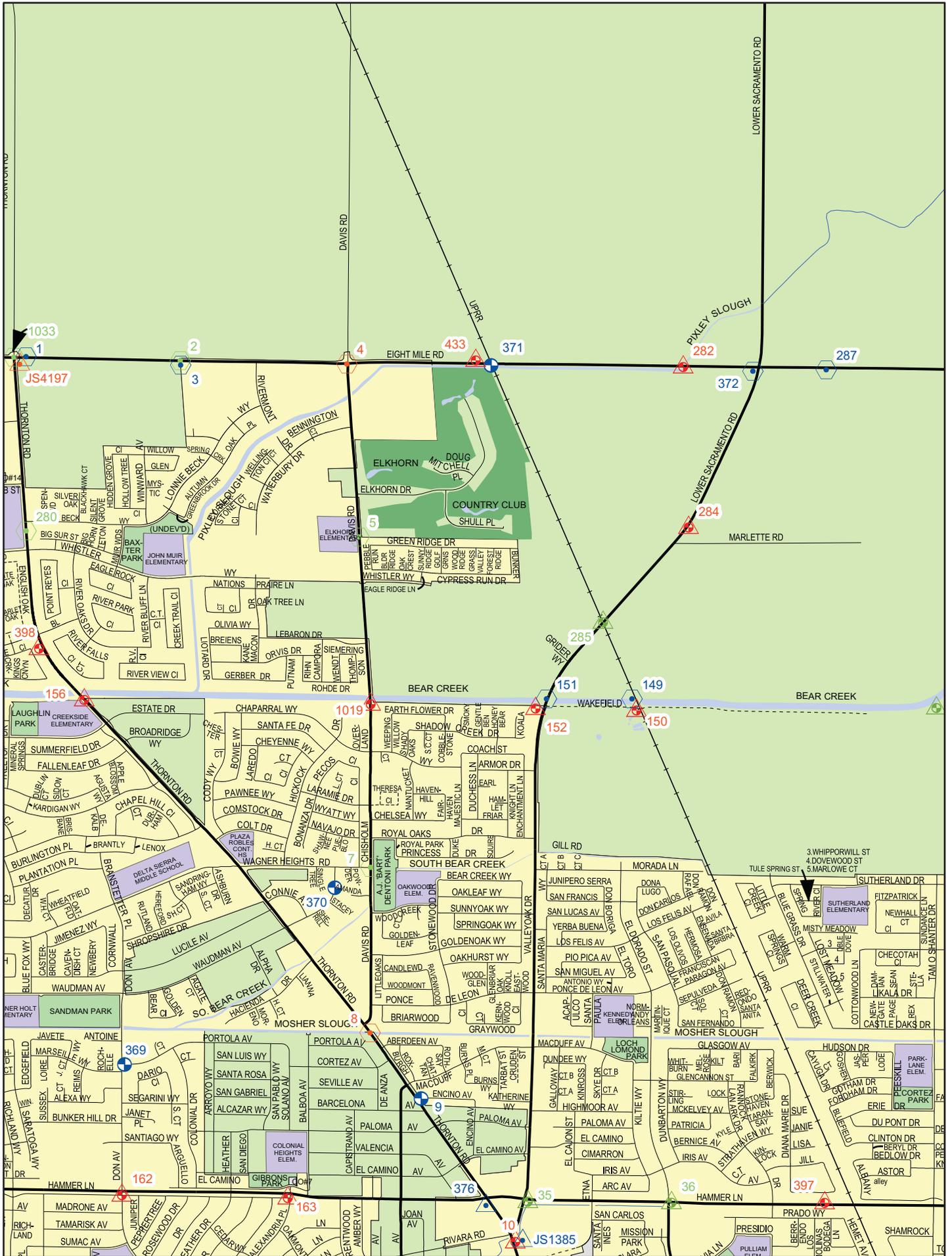
4) City limits shaded in yellow

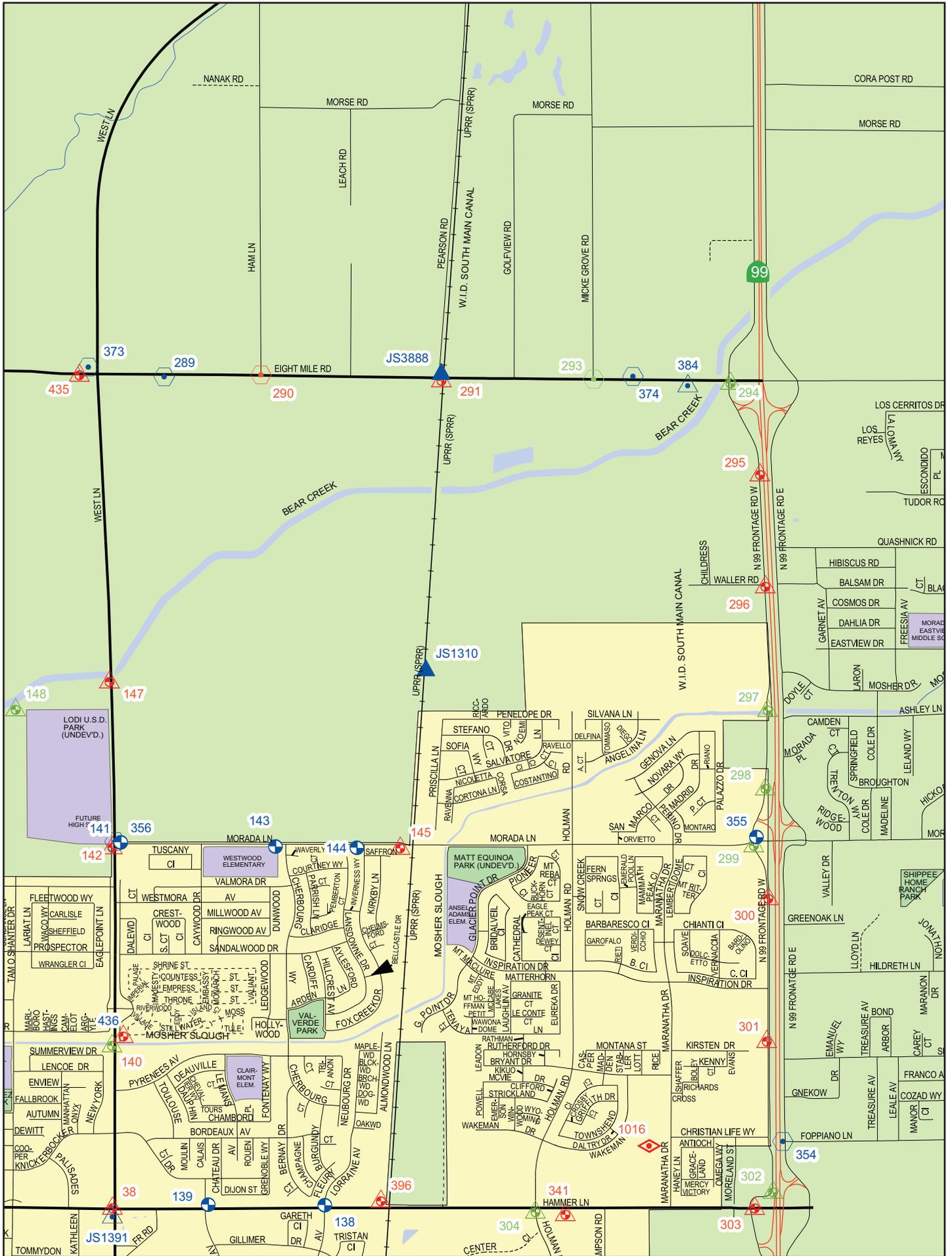
The information on this map is based on the most current information available to the City of Stockton Geographic Information System Division. The information on this map is not intended to replace engineering, financial or primary records research.

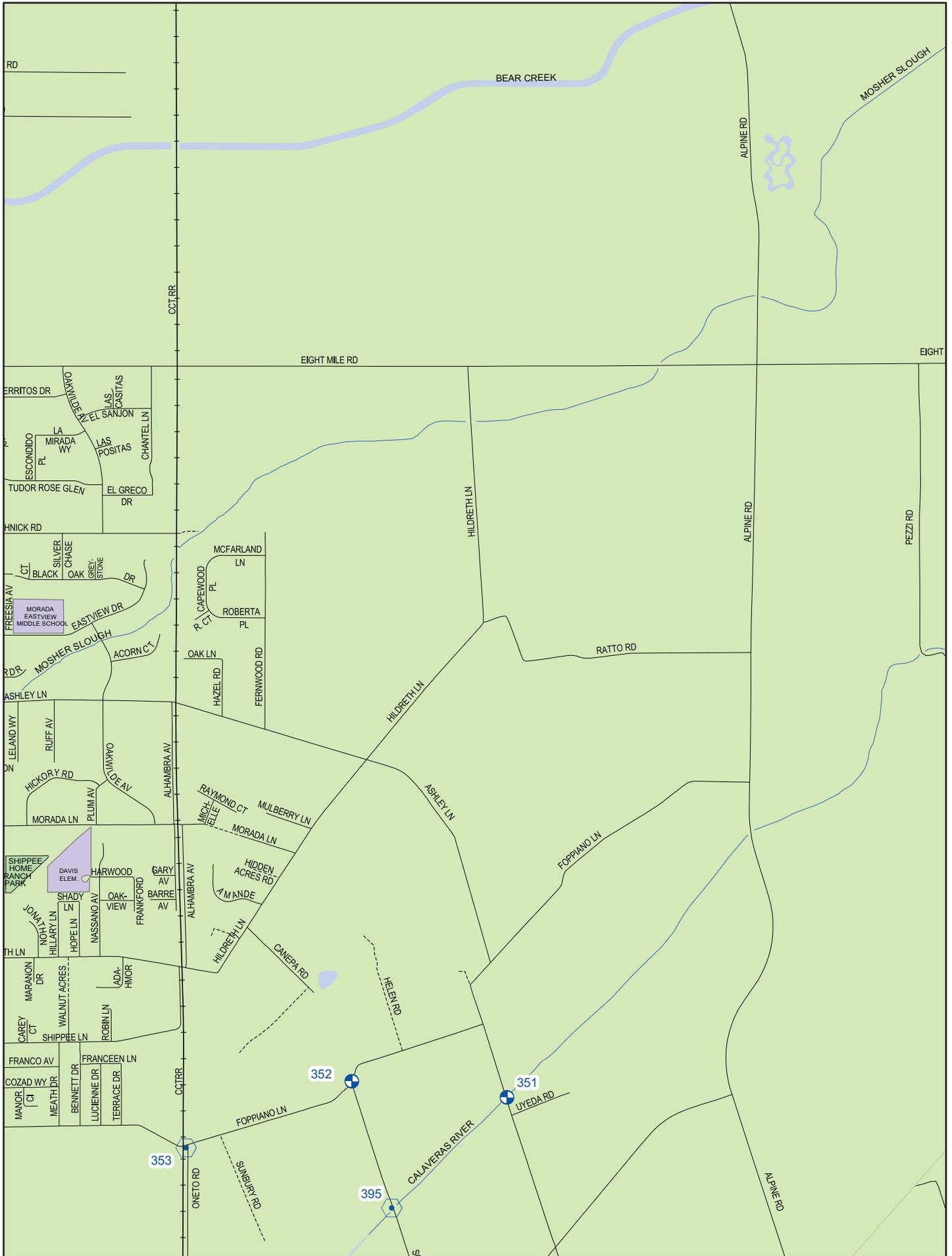
Scale of maps on the
following pages.
1:24000



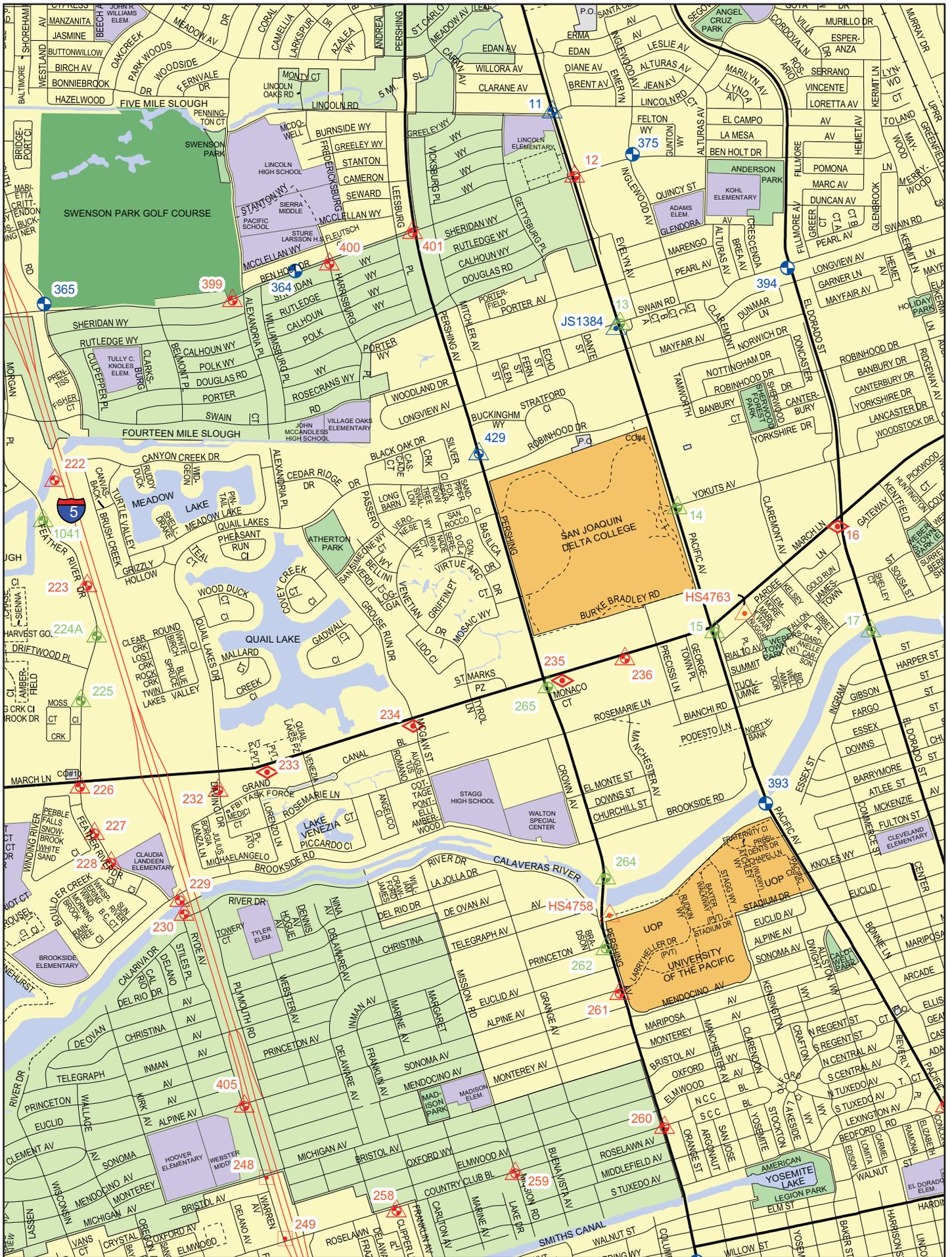


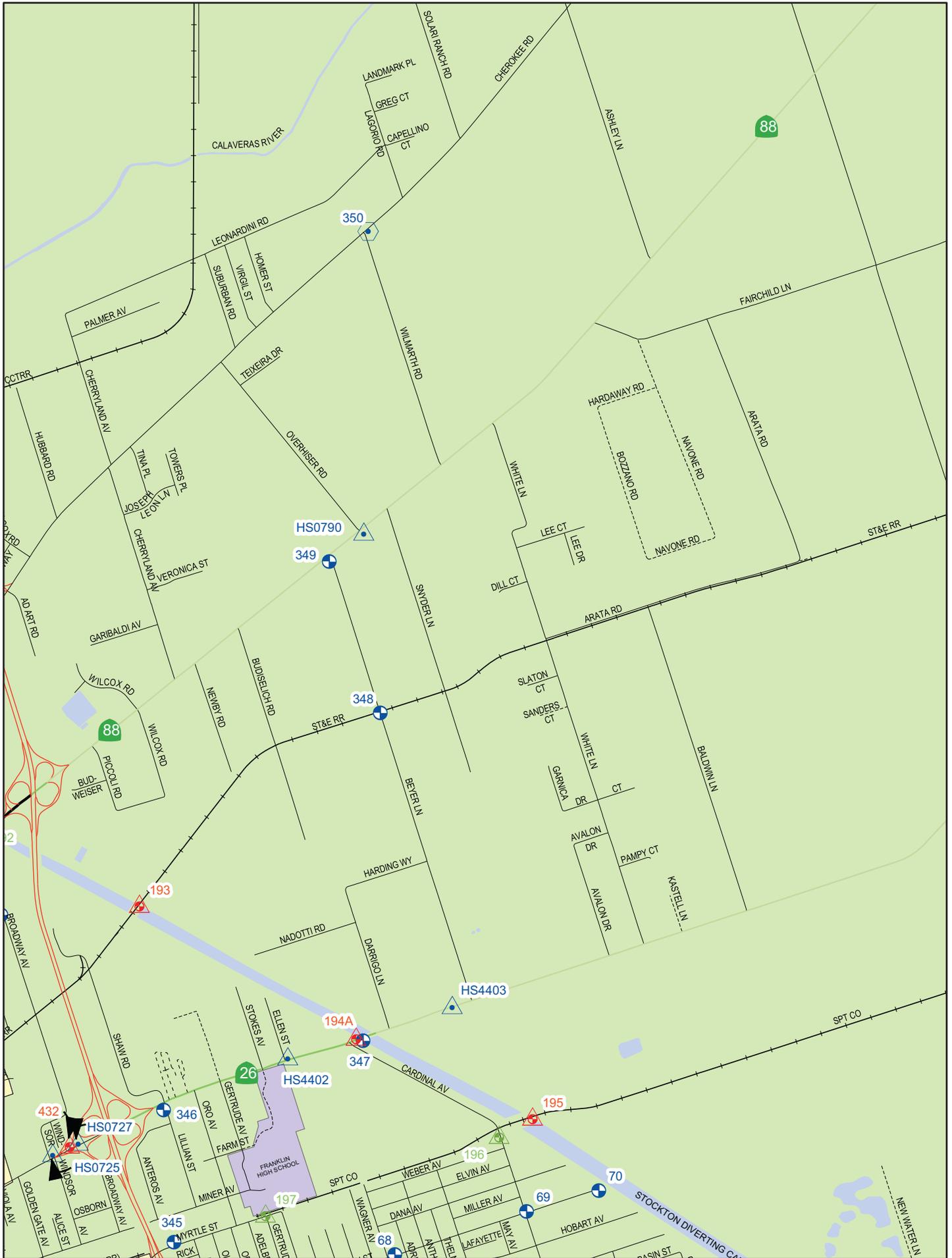


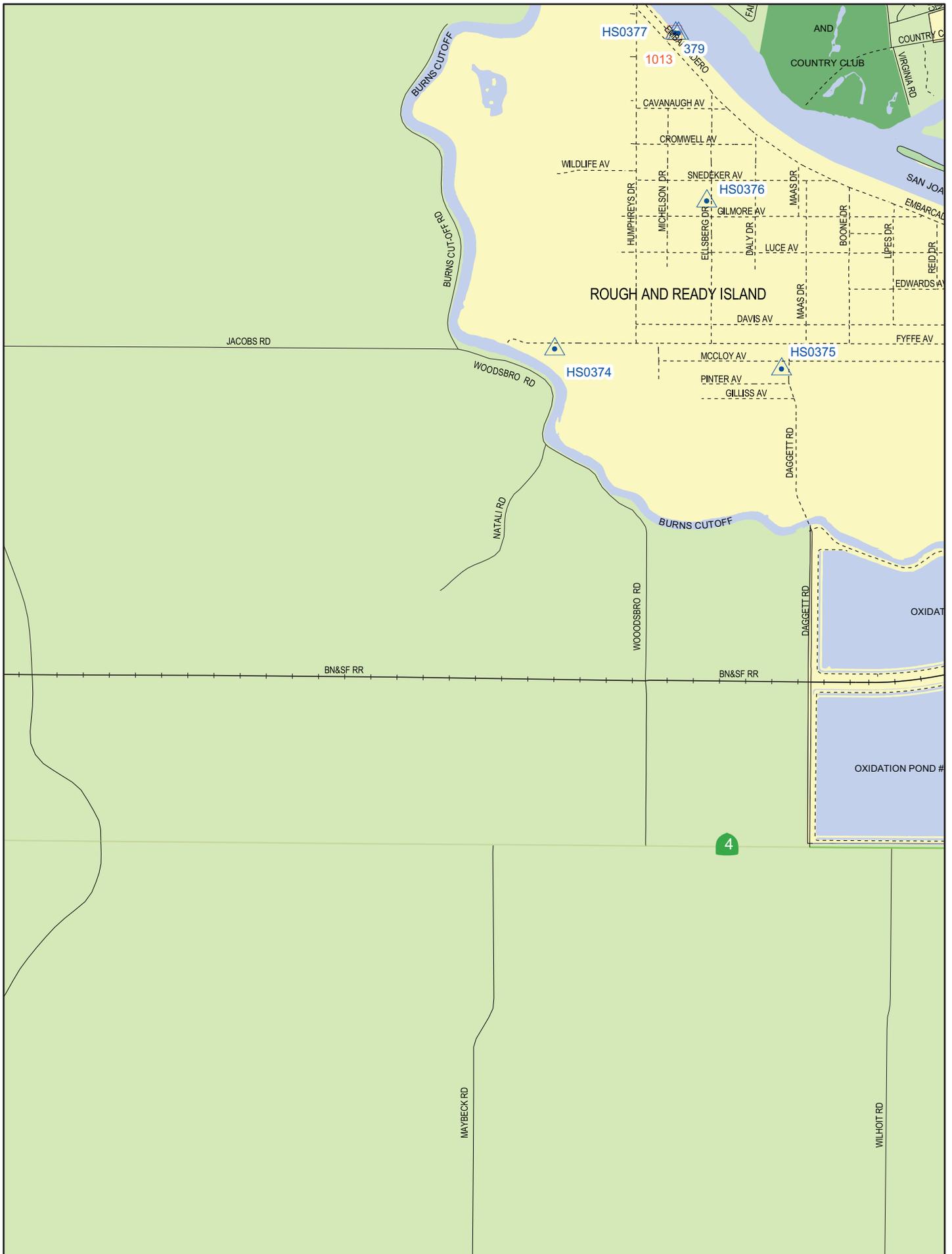


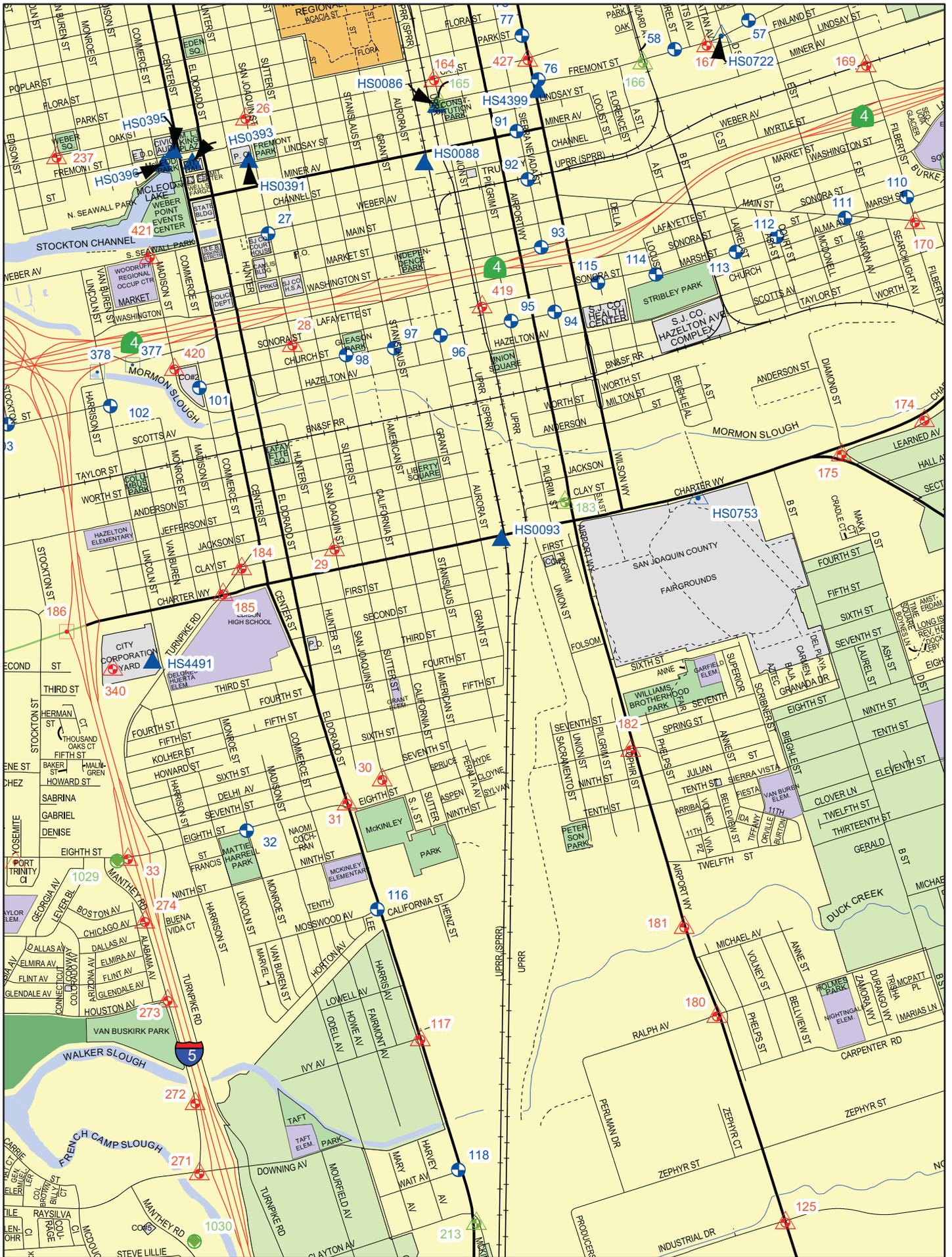


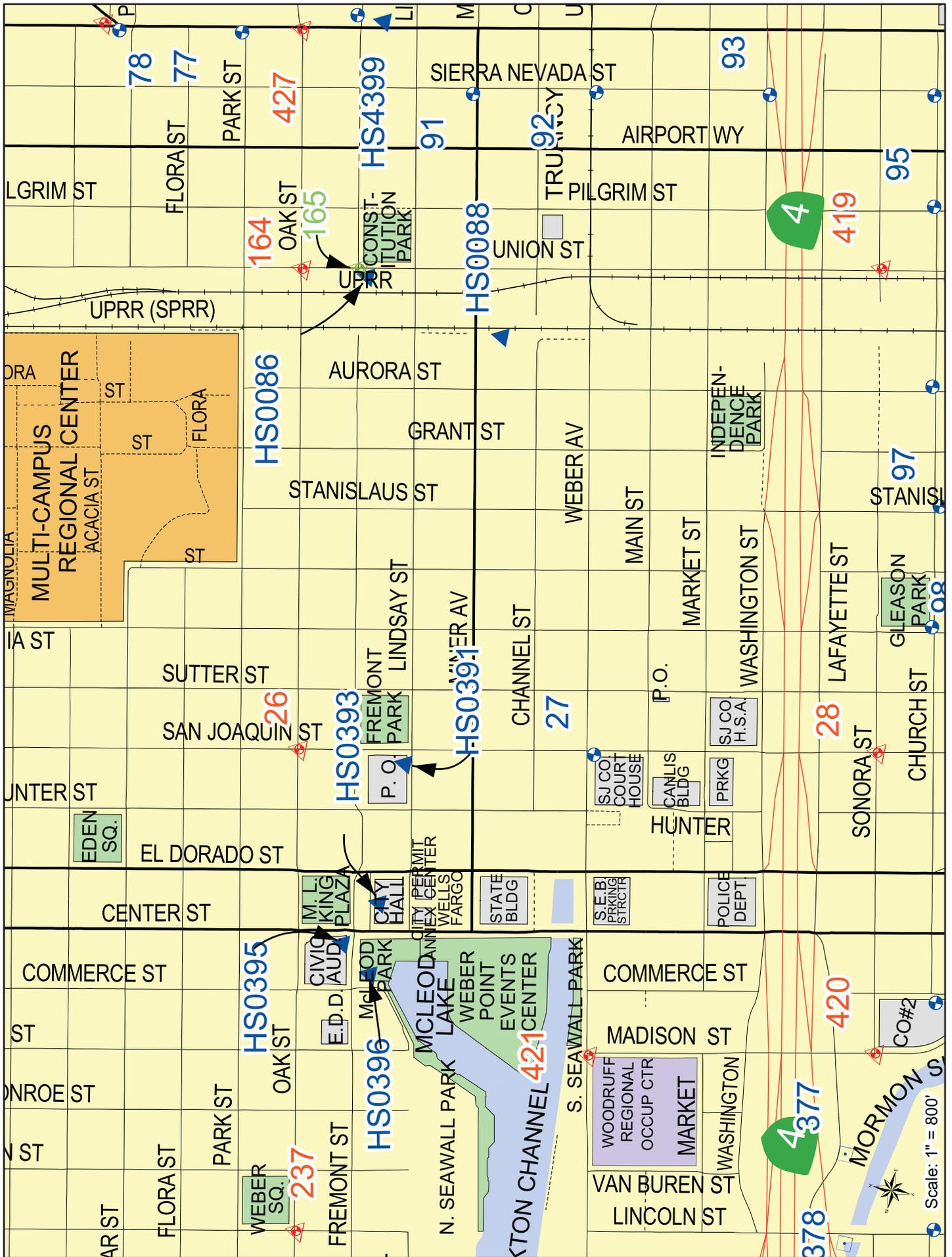


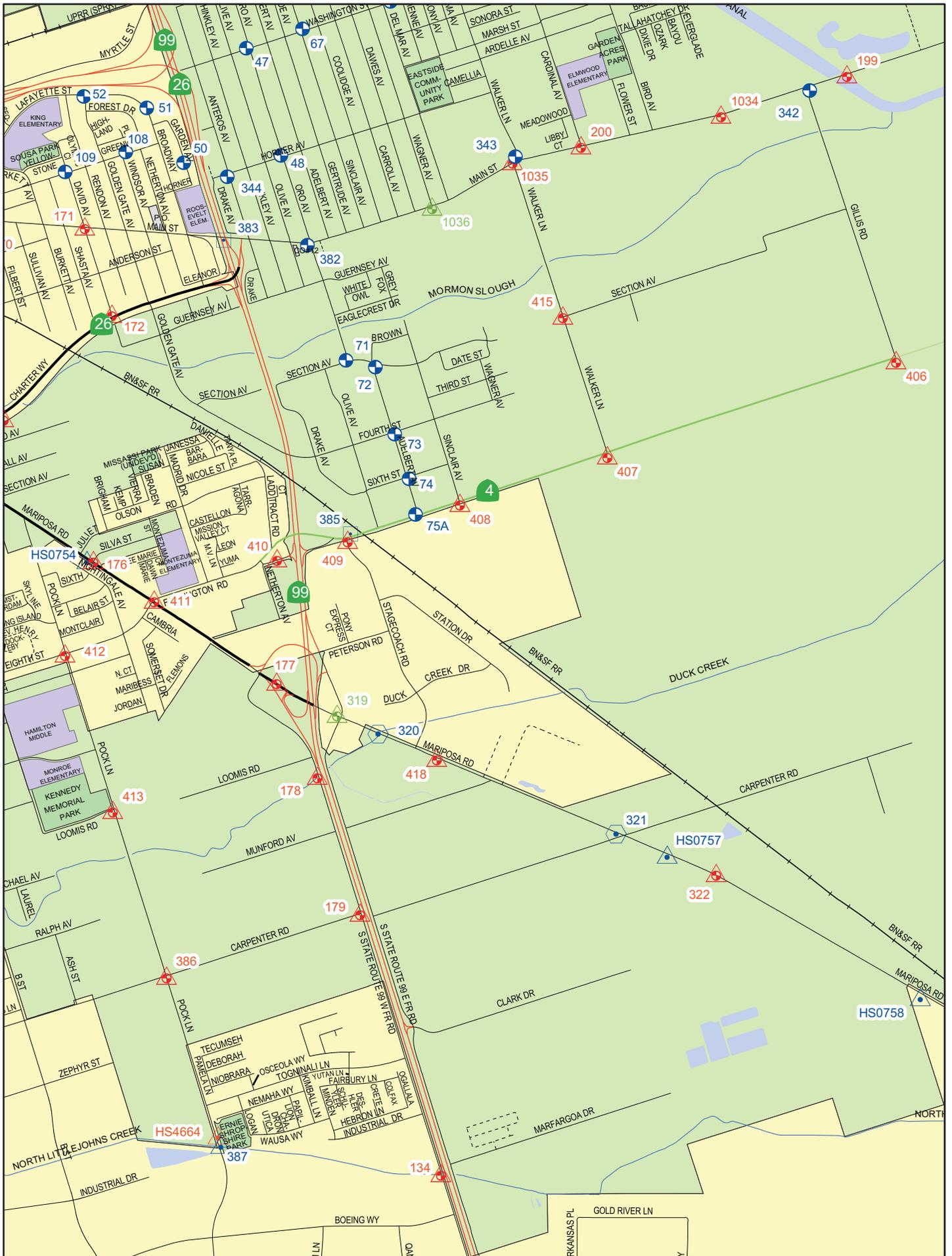


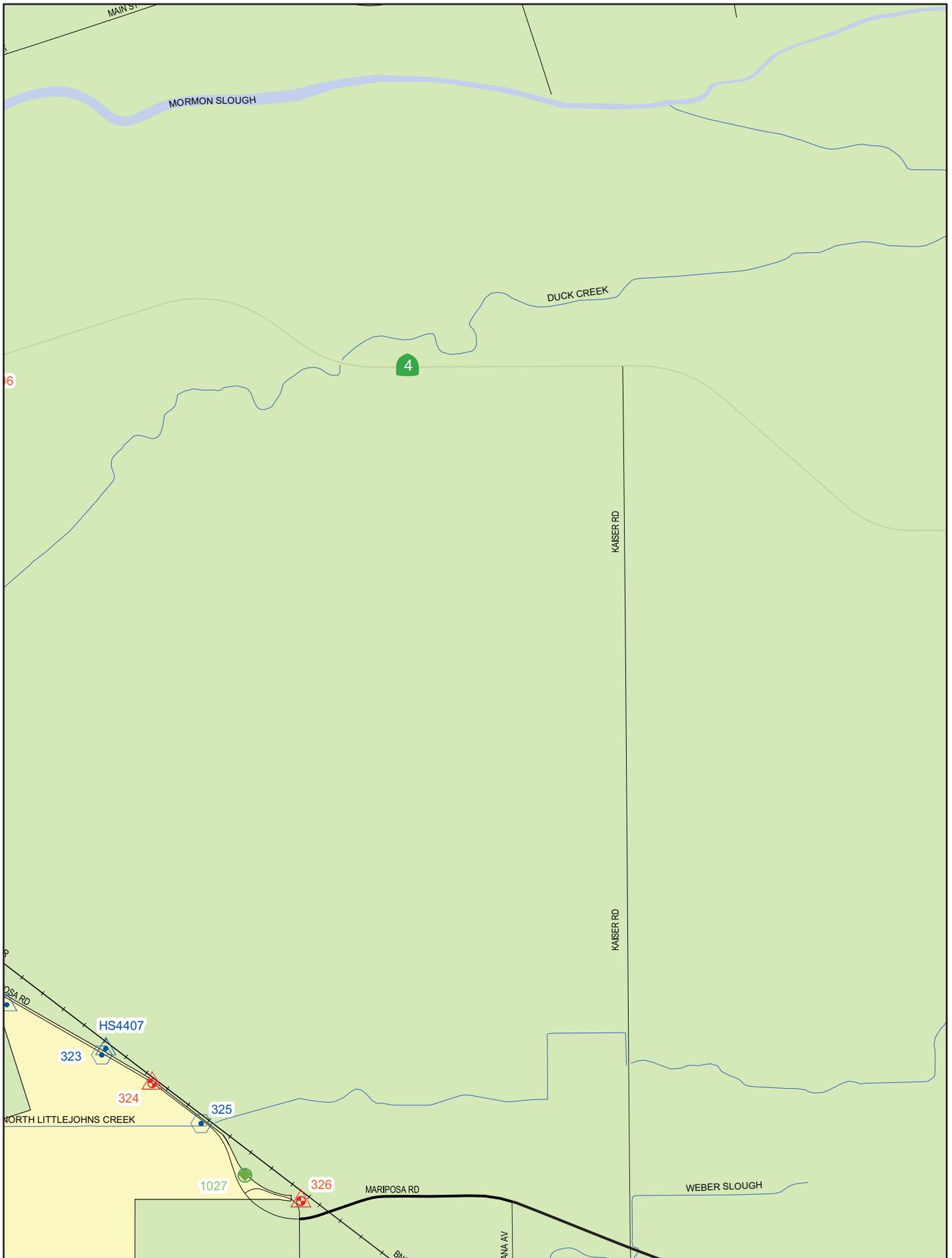




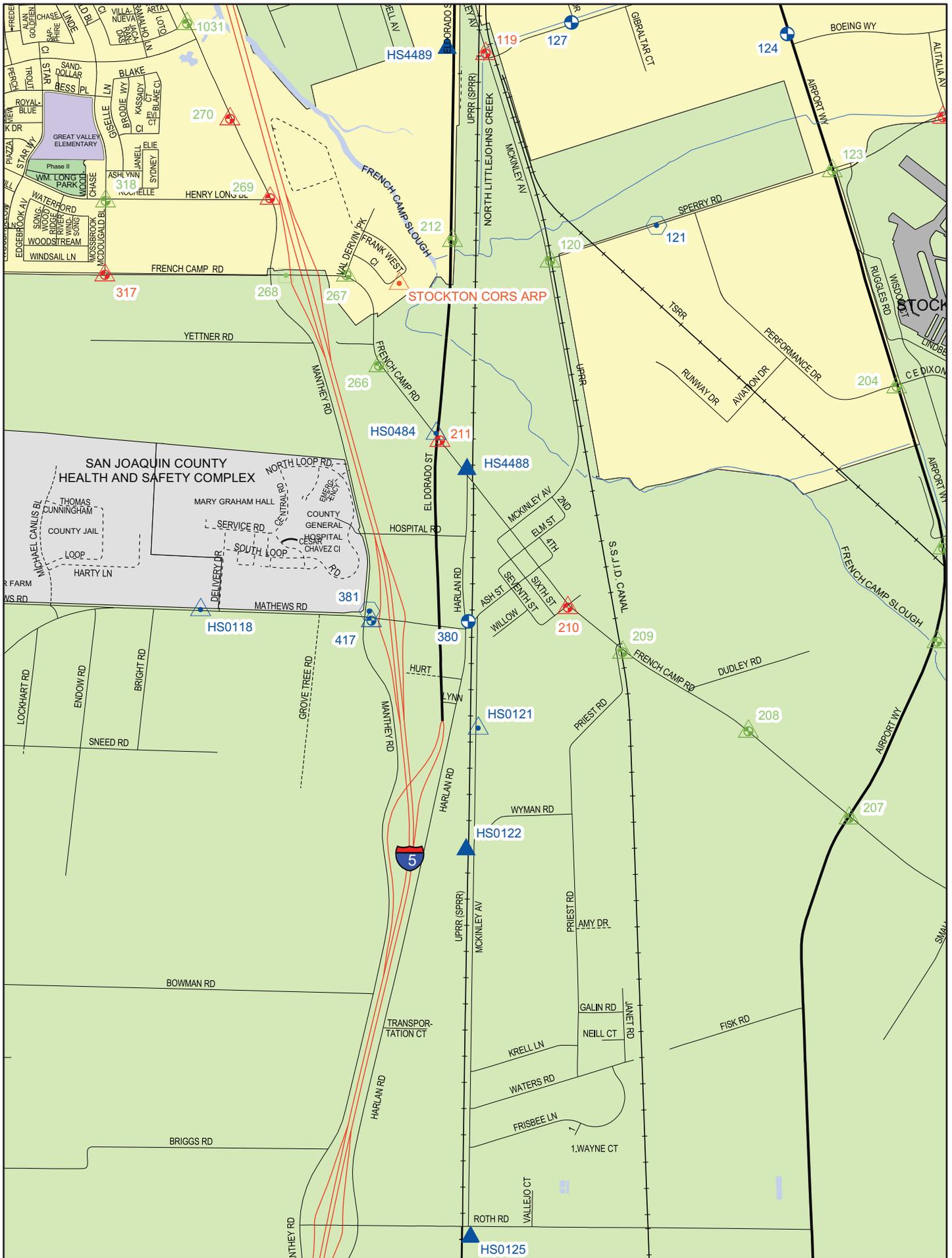


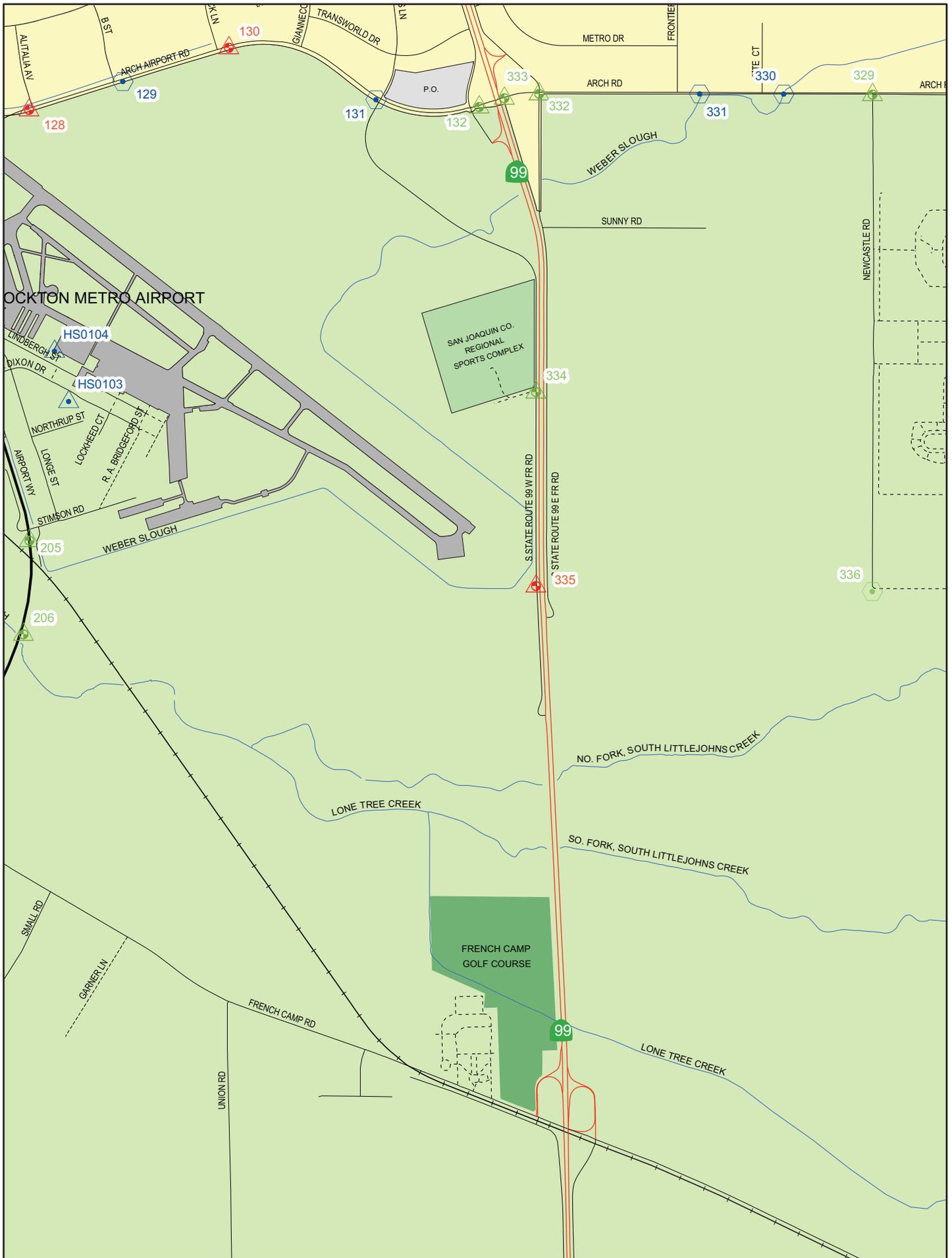


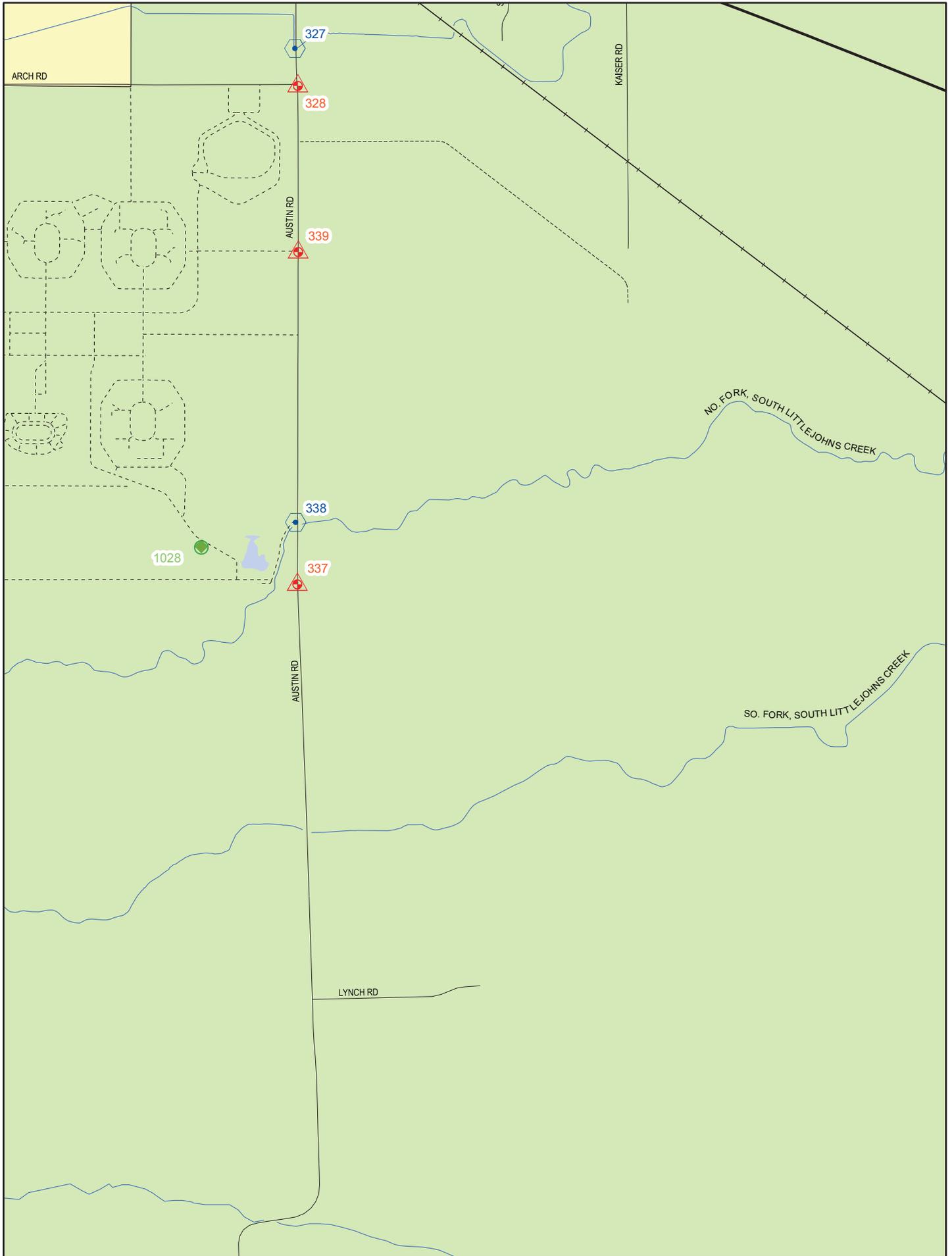












Existing U.S. Survey Monuments and Descriptions

NGVD29 Datum

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

*EXISTING U.S. SURVEY MONUMENTS
WITH COS96 ELEVATIONS IN FEET LISTED BY NGS PID#*

<u>PID#</u>	<u>ELEV. FT.</u>	<u>DESIGNATION</u>	<u>COS NO</u>	<u>PID#</u>	<u>ELEV. FT.</u>	<u>DESIGNATION</u>	<u>COS NO</u>
HS0080	18.68	USGS F9=20B		HS4399	15.44	USCGS U1068 RESET	
HS0082	18.79	USCGS B957		HS4401	19.57	NGS A1400	
HS0086	14.03	USCGS C833 RESET "L"		HS4402	28.06	NGS K1400	
HS0088	17.17	USCGS D9 RESET		HS4403	31.66	NGS B1400	
HS0090	DESTROYED		"M"	HS4407	38.95	NGS P1400	
HS0093	20.40	USCGS D745	"H"	HS4488	14.30	NGS P1413	
HS0103	22.00	USCGS H745		HS4489	12.91	NGS Q1413	
HS0104	21.99	USCGS J745		HS4491	7.70	NGS S1413	
HS0118	14.52	USCGS MATTHEW		HS4492	4.26	NGS T1413	
HS0121	16.80	USCGS K1068		HS4493	24.09	USCGS J943 RESET	"F"
HS0122	18.65	USCGS W832		HS4662	-----	USCGS ELM RESET	#1004
HS0309	4.6	USCGS S474		HS4664	25.16	USCGS POX RESET	#1006
HS0374	-1.66	USCGS H906		HS4758	21.21	USCGS PACIFIC	#263
HS0375	2.57	USCGS R833		HS4763	12.66	USCGS STOCKTON SW	#1003
HS0376	5.44	USCGS F478		JS1310	33.37	USCGS F943	
HS0377	14.57	USCGS G478		JS1314	25.97	EBMUD BM 28.28	
HS0382	19.61	USE BM		JS1315	25.50	USCGS L833	"N"
HS0387	14.97	USCGS B833		JS1384	11.99	USCGS D1041	"E"
HS0391	14.47	USCGS BM5 1932		JS1385	12.23	USCGS C1041	"D"
HS0393	11.48	USCGS BM1 1932	"G"	JS1391	19.72	USCGS Y1068	
HS0395	12.04	USCGS BM3 RESET		JS3888	30.77	NGS V1413	
HS0396	12.02	USCGS BM2 1932		JS4194	9.70	USCGS HARTE RESET	"O"
HS0439	23.57	USCGS 2 1934		JS4197	8.41	USCGS BENNETT 2	"A"
HS0440	24.02	USCE SJ141 BM	"P"	AE9892	14.9	NGS 5004B 1979	
HS0442	24.55	USCGS 5 1948		AE9895	17.74	NGS 4867A 1978	
HS0473	4.22	USCGS ARGONAUT "I"		AE9896	DESTROYED		"1005"
HS0484	16.10	USCGS G1041		NONE	11.61	USGS 40B 1907 RESET	"C" #376
HS0722	18.62	USCGS T1068		NONE	13.82	USBR READY	#379
HS0724	20.78	NGS S1068 RESET		NONE	36.84	USCE CA61	#384
HS0725	23.74	USCGS H965	"K"	NONE	22.93	USCGS POX	#387
HS0727	26.79	USCGS E833 RESET		NONE	13.3	USCE SJ220	#1009
HS0753	19.43	USCGS T958		NONE	13.17	USCE SJ373	#1017
HS0754	24.60	USCGS U958					
HS0757	31.81	USCGS W958	"Q"				
HS0758	36.51	USCGS X958	"R"				
HS0790	37.46	USCGS R956					
HS0794	27.39	USCGS T956 RESET "J"					

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0080 Station Name: F 9=20 B

COS96 ADJUSTED ELEV.= 18.68 Ft., 5.694 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375909.00000 N }= Longitude: 1211654.00000 W }= Position Type SCALED
Orthometric Height: 6.456 Mts. 21.180 US Ft. Det. By: ADJUST

Station Recovery Information.....

STATION MARK IS A PIPE CAP STAMPED: 20 B 1901

HISTORY -1901 STATION MONUMENTED US GEOLOGICAL SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1958

2.0 MI NORTH ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE STATION AT STOCKTON, 15 RAILS NORTH OF THE CROSSING OF ALPINE AVE, 89.1 FT NORTH OF THE NORTH END OF THE EAST CONCRETE HEADWALL OF A 36-IN CONCRETE PIPE CULVERT, 36.4 FT EAST OF THE EAST RAIL OF THE EAST TRACK, 23 FT NE OF A TELEPHONE POLE, 1.2 FT WEST OF A FENCE, 2 FT SOUTH OF A WITNESS POST, ABOUT 6 FT LOWER THAN THE TRACK, AND RIVETED ON THE TOP OF A 3 1/2-IN IRON PIPE WHICH PROJECTS 1.0 FT ABOVE THE GROUND, 0.24 KM (0.15 MI) NORTH OF THE CROSSING OF ALPINE AVE AND THE SOUTHERN PACIFIC RAILROAD.

PID: HS0082 Station Name: B 957

COS96 ADJUSTED ELEV.= 18.79 Ft., 5.727 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375809.00000 N }= Longitude: 1211653.00000 W }= Position Type SCALED
Orthometric Height: 6.493 Mts. 21.300 US Ft. Det. By: ADJUST

Station Recovery Information.....

HISTORY -1962 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK STAMPED B 957 1962: AT STOCKTON, ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD, SET VERTICALLY IN THE NORTH-NORTHWEST FACE OF THE NORTH-NORTHWEST CONCRETE RETAINING WALL OF CONCRETE BRIDGE OVER HARDING WAY, 10.1 FT EAST-NORTHEAST OF THE NEAR RAIL, 39 FT NORTH-NORTHWEST OF THE CENTER OF THE BRIDGE, 3 FT EAST-NORTHEAST OF THE WEST-NORTHWEST CORNER OF A GUARDRAIL, AND ABOUT LEVEL WITH THE TRACKS.

PID: HS0086 Station Name: C 833 RESET

COS96 ADJUSTED ELEV.= 14.03 Ft., 4.276 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375734.00000 N }= Longitude: 1211639.00000 W }= Position Type SCALED
Orthometric Height: 5.023 Mts. 16.480 US Ft. Det. By: ADJUST

Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: C 833 RESET 1969

HISTORY -1969 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1987: IN STOCKTON, ABOUT 2 1/2 BLOCKS NE OF THE SOUTHERN PACIFIC RAILROAD STATION, AT THE SW CORNER OF THE INTERSECTION OF E FREMONT AND UNION STS, AT THE NORTH SIDE OF THE UNION ICE CO, A DISK IN TOP OF THE WEST END OF THE STAIRS OF A LOADING RAMP, 5.79 M (19.0FT) WEST OF THE NE CORNER OF THE BUILDING. THE STATION IS 0.3 METERS ABOVE THE HEIGHT OF THE GROUND. NOTE: City of Stockton BM "L"

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0088 Station Name: D 9 RESET

COS96 ADJUSTED ELEV.= 17.17 Ft., 5.233 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375715.00000 N }= Longitude: 1211637.00000 W }= Position Type SCALED

Orthometric Height: 5.977 Mts. 19.610 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: D 9 RESET 1936

HISTORY -1936 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1958: AT STOCKTON, AT THE SOUTHERN PACIFIC COMPANY PASSENGER STATION, IN THE TOP OF THE NORTH END OF A CONCRETE RETAINING WALL FOR A STAIRWAY LEADING TO THE BASEMENT UNDER THE BAGGAGE ROOM, 89.8 FT SOUTH OF THE SOUTH CURB OF EAST MINER AVE, 34.2 FT WEST OF THE WEST RAIL OF THE WEST MAIN TRACK, 20.6 FT SOUTH OF THE NE CORNER OF THE STATION, AND 0.2 FT ABOVE THE SIDEWALK, 0.9 M (3.0 FT) EAST OF THE EAST WALL OF THE RAILROAD STATION.

PID: HS0090 Station Name: C 745 DESTROYED

PID: HS0093 Station Name: D 745

COS96 ADJUSTED ELEV.= 20.40 Ft., 6.218 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375626.00000 N }= Longitude: 1211624.00000 W }= Position Type SCALED

Orthometric Height: 6.959 Mts. 22.830 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: D 745 1945

HISTORY -1945 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1958: AT STOCKTON, 1.1 MI SOUTH ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE STATION, AT A BRIDGE OVER CHARTER WAY, IN THE TOP OF THE CONCRETE BASE OF THE EAST BANISTER, 36.1 FT EAST OF THE EAST RAIL OF THE NORTHBOUND TRACK, 5.7 FT NORTH OF THE SOUTH END OF THE BANISTER, 20.9 FT SOUTH OF A JOG IN THE BANISTER LINE, AND ABOUT MIDWAY BETWEEN THE BANISTER AND THE WEST EDGE OF THE BASE. NOTE: City of Stockton BM "H"

PID: HS0103 Station Name: H 745

COS96 ADJUSTED ELEV.= 22.00 Ft., 6.706 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375332.00000 N }= Longitude: 1211435.00000 W }= Position Type SCALED

Orthometric Height: 6.882 Mts. 22.580 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: H 745 1945

HISTORY -1945 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: AT STOCKTON FIELD, ABOUT 70 YD SW OF THE WEST CORNER OF A U.S. BUREAU OF RECLAMATION WAREHOUSE (A FORMER HANGAR), 162 FT SE OF THE INTERSECTION OF "C" AND 6TH STS, AT THE WATER TANK, IN THE TOP OF THE NW SIDE OF THE CONCRETE FOUNDATION FOR THE NORTHWESTERN MOST OF SIX STEEL LEGS, AND SET 0.3 FT ABOVE THE GROUND

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0104 Station Name: J 745

COS96 ADJUSTED ELEV.= 21.99 Ft., 6.703 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375336.00000 N }= Longitude: 1211452.00000 W }= Position Type SCALED

Orthometric Height: 6.939 Mts. 22.770 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: J 745 1945**

HISTORY -1945 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: AT STOCKTON FIELD, AT THE INTERSECTION OF THIRD AND "A" STREETS, 65 1/2 FT NE OF THE CENTER LINE OF "A" ST, 50 FT NORTH OF THE NORTH LEG OF THE CONTROL TOWER, 35 1/2 FT SE OF THE CENTER LINE OF THIRD ST, 5.1 FT SW OF THE WEST CORNER OF A RESTAURANT AND LOUNGE AND SE OF THE SE EDGE OF THE ASPHALT-PAVED PARKING AREA, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.5 FT.

=====
PID: HS0118 Station Name: MATTHEW

COS96 ADJUSTED ELEV = 14.52 Ft., 4.426 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375256.96218 N }= Longitude: 1211722.47220 W }= Position Type ADJUSTED

Orthometric Height: 4.330 Mts. 14.2100 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1973

THE STATION IS LOCATED IS LOCATED ABOUT ¼ MI SW OF THE SAN JOAQUIN COUNTY HOSPITAL, 1 MI WEST OF FRENCH CAMP, AND JUST NORTH OF MATHEWS RD. THE STATION MARK IS A STANDARD BRONZE DISK **STAMPED MATTHEW 1959**, SET IN THE TOP OF A 10-IN SQUARE CONCRETE MONUMENT, WHICH IS FLUSH WITH THE GROUND LEVEL. THE MARK IS 3 FT SOUTH OF A FENCELINE, 24 FT NORTH OF THE APPROX CENTER LINE OF MATHEWS RD, 25.6 FT WEST OF A TELEPHONE POLE AND 2.1 FT NORTH OF METAL WITNESS POST.

=====
PID: HS0121 Station Name: K 1068

COS96 ADJUSTED ELEV = 16.80 Ft., 5.121 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1986) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375239.00000 N }= Longitude: 1211626.00000 W }= Position Type SCALED

Orthometric Height: 5.19 Mts. 17.0 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1966 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION STAMPED: K 1068 1966

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1966.

THE STATION IS LOCATED ABOUT ¼ MI SOUTH OF FRENCH CAMP, SOUTH ALONG THE SOUTHERN PACIFIC RAILROAD FROM THE LIGON AND COMPANY PACKING SHED AT FRENCH CAMP, 34 FT NORTH OF THE SW CORNER OF A FENCE AT ADAS YESHURAN CEMETERY, 111.8 FT EAST AND ACROSS MCKINLEY AVE FROM THE EAST RAIL OF THE EAST TRACK, 25 FT EAST OF THE CENTERLINE OF MCKINLEY AVE., 1 FT SOUTH OF POWER POLE, 1.4 FT WEST OF A FENCE, 1.2 FT NORTH OF A WITNESS POST, SET IN THE TOP OF A CONCRETE POST PROJECTING 0.5 FT ABOVE THE GROUND.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0122 Station Name: W 832

COS96 ADJUSTED ELEV = 18.65 Ft., 5.685 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1986) Vertical Datum : NAVD88 State: CA County: SAN JOAQUIN

Latitude: 375220.00000 N }= Longitude: 1211628.00000W }= Position Type SCALED

Orthometric Height: 6.454 Mts. 21.16 US Ft. Det. By: COMP

.....Station Recovery Information.....

HISTORY -1947 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1958.**STATION STAMPED: W 832**

1947 THE STATION IS LOCATED ABOUT 0.9 MI SOUTH OF FRENCH CAMP, SOUTH ALONG THE SOUTHERN PACIFIC RAILROAD FROM THE LIGON AND COMPANY PACKING SHED AT FRENCH CAMP, ABOUT MIDWAY BETWEEN THE 6TH AND 7TH POLE NORTH OF MILEPOST 85, AT THE MONIER ROOF TILE PLANT, AND 76 FT WEST OF THE WEST RAIL OF THE SOUTH BOUND MAIN TRACK, AND 29.9 FT WEST OF A SECURITY FENCE.

=====
PID: HS0309 Station Name: S 474

COS96 ADJUSTED ELEV.= 4.6 Ft., 1.40 Mts.

NOTE: THE FOLLOWING IF FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD88 State: CA County: SAN JOAQUIN

Latitude: 375238.94026 N }= Longitude: 1212058.54060 W }= Position Type ADJUSTED

Orthometric Height: 2.16 Mts. 7.1 US Ft. Det. By: GPS OBS

.....Station Recovery Information.....

HISTORY -1951 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK **STAMPED S 474 1951**, 1.2 MI. SOUTH FROM FAIRCHILD SCHOOL, 0.8 MI. SOUTH ALONG ROBERTS RD. FROM FAIRCHILD SCHOOL, THENCE 0.4 MI. WEST ALONG HOWARD RD., 0.6 MI. EAST OF A "T" JUNCTION OF BORBA RD., 31.5 FT NORTH OF THE CENTER LINE OF THE ROAD, 5-1/2 FT SOUTH OF A TELEPHONE POLE AT A "T" JUNCTION OF TELEPHONE LINES, 2 FT NORTH OF THE EAST END OF A SHORT SECTION OF BOARD FENCE, 2 FT SOUTH OF A WITNESS POST, ABOUT TWO FT HIGHER THAN THE ROAD, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.4 FT ABOVE THE GROUND.

=====
PID: HS0374 Station Name: H 906

COS96 ADJUSTED ELEV.= -1.66 Ft., -5.06 Mts.

NOTE: THE FOLLOWING IF FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375654.00000 N }= Longitude: 1212219.00000 W }= Position Type SCALED

Orthometric Height: 0.497 Mts. 1.630 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: H 906 1957 104 D WITH SETTING: COPPER-CLAD STEEL ROD W/O SLEEVE (10 FT.+).**

HISTORY -1957 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1957: ON THE WEST SIDE OF ROUGH AND READY IS, IN R5E T1N, AT THE U.S. NAVAL SUPPLY ANNEX, 1.6 MI WEST ALONG "N" ST FROM THE MAIN GATE, AT THE "T" JUNCTION OF A GRAVEL ROAD LEADING SOUTH TO A PISTOL RANGE, AT THE CROSSING OF AN IRRIGATION CANAL, IN LINE WITH A ROW OF POWER LINE POLES, 84 YARDS SE OF AND ACROSS THE STREET FROM THE SE CORNER OF BUILDING T-1217, 34 1/2 FT WEST OF THE CENTER OF THE SOUTH CONCRETE HEAD WALL OF FOUR 36-IN CORRUGATED METAL PIPE CULVERTS, 28 FT SOUTH OF THE CENTER LINE OF THE STREET, 24 1/2 FT EAST OF THE CENTER LINE OF THE ROAD, 2 1/2 FT EAST OF POWER LINE POLE 1-46, 1.2 FT WEST OF A WITNESS POST, ABOUT 1 FT LOWER THAN THE STREET, AND CLAMPED ON TOP OF A 5/8-IN COPPER COATED STEEL ROD PROJECTING 0.2 FT ABOVE THE GROUND. NOTE--THE TOP TWO FT OF THE ROD IS ENCASED IN A 4-IN STOVEPIPE WHICH IS ENCASED IN CONCRETE. THE ROD WAS DRIVEN 104 FT INTO THE GROUND TO GRADUAL REFUSAL.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0375 Station Name: R 833

COS96 ADJUSTED ELEV.= 2.57 Ft., 0.783 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375649.00000 N }= Longitude: 1212134.00000 W }= Position Type SCALED
Orthometric Height: 0.829 Mts. 2.720 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: R 833 1947**

HISTORY -1947 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: AT THE U.S. NAVAL SUPPLY ANNEX ON ROUGH AND READY IS, 0.8 MI WEST OF THE MAIN ENTRANCE, 90 FT SW OF THE CENTER OF THE INTERSECTION OF "O" AND 6TH STREETS, AT BUILDING NO. 618, IN THE TOP OF THE NE CORNER OF THE CONCRETE LOADING PLATFORM, 28.4 FT NW OF THE NE CORNER OF THE BUILDING, 0.5 FT WEST OF THE WEST END OF A CONCRETE GUARD RAIL OF THE RAMP FROM 6TH ST TO THE PLATFORM, AND SET ABOUT 3.7 FT ABOVE THE PAVEMENT.

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PID: HS0376 Station Name: F 478

COS96 ADJUSTED ELEV. = 5.44 Ft., 1.658 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375718.00000 N }= Longitude: 1212149.00000 W }= Position Type SCALED
Orthometric Height: 1.736 Mts. 5.700 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: F 478 1951**

HISTORY -1951 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1951: ON ROUGH AND READY IS, AT THE U.S. NAVAL SUPPLY ANNEX, 1.5 MI NW OF THE MAIN ENTRANCE, ON 8TH ST BETWEEN "E" AND "G" STREETS, AT BUILDING NO. 810, IN THE TOP OF THE NE CORNER OF THE CONCRETE LOADING PLATFORM, 29.5 FT NW OF THE NE CORNER OF THE BUILDING, 29 FT NE OF THE CENTER OF DOOR NO. 3, 1.9 FT WEST OF THE WEST END OF THE CONCRETE CURB TO THE RAMP FROM THE LOADING PLATFORM, AND SET 3 1/2 FT ABOVE THE GROUND.

=====
PID: HS0377 Station Name: G 478

COS96 ADJUSTED ELEV. = 14.57 Ft., 4.441 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375744.00000 N }= Longitude: 1212155.00000 W }= Position Type SCALED
Orthometric Height: 4.521 Mts. 14.830 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: G 478 1951**

HISTORY -1951 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1951: ON ROUGH AND READY IS, AT THE U.S. NAVAL SUPPLY ANNEX, 1.6 MI NW OF THE MAIN ENTRANCE, NEAR THE JUNCTION OF 9TH ST AND EMBARCADERO, 0.6 MI NORTH OF B.M. F 478, AT THE NW END OF THE BOAT WHARF, AT THE NW END OF BERTH K, IN THE TOP OF THE CONCRETE CURB, 107.2 FT WEST OF THE NORTH CORNER OF BUILDING NO. 803, 81.9 FT SW OF THE NORTH CORNER OF THE WHARF, 12.8 FT NE OF THE SW END OF THE CURB, 1.2 FT SOUTH OF THE SOUTH END OF A STEEL GUARD RAIL, AND SET ABOUT 1.3 FT ABOVE THE WHARF FLOOR.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0382 Station Name: BM USE

COS96 ADJUSTED ELEV. = 19.61 Ft., 5.977 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375647.00000 N }= Longitude: 1212015.00000 W }= Position Type SCALED
Orthometric Height: 6.180 Mts. 20.300 US Ft. Det. By: COMPUTED

Station Recovery Information.....

STATION MARK IS A SURVEY DISK WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)

HISTORY -UNK STATION MONUMENTED US DEPARTMENT OF DEFENSE

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1960: 0.5 MI SE ALONG N ST FROM THE MAIN GATE TO ROUGH AND READY IS, ON THE SOUTH LEVEE OF THE SAN JOAQUIN RIVER, 40 1/2 FT WEST OF THE CENTER LINE OF THE STREET, 29.5 FT SW OF THE SW CORNER OF A CONCRETE GUARDPOST FOR A STEEL DRAW BRIDGE OVER THE RIVER, 16 FT NORTH OF THE CENTER LINE OF A LEVEE ROAD WEST, 6 FT NW OF A POWER POLE WITH TWO GUY WIRES, 2 1/2 FT SOUTH OF THE NORTH END OF A FENCE, 0.4 FT WEST OF A FENCE, ABOUT 1 FT LOWER THAN THE STREET, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.1 FT ABOVE THE GROUND.

PID: HS0387 Station Name: B 833

COS96 ADJUSTED ELEV. = 14.97 Ft., 4.563 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375656.00000 N }= Longitude: 1211908.00000 W }= Position Type SCALED
Orthometric Height: 4.756 Mts. 15.600 US Ft. Det. By: ADJ UNCHK

Station Recovery Information.....

HISTORY -1947 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK STAMPED: B 833 1947 DESCRIBED BY NATIONAL GEODETIC SURVEY 1957: AT PORT OF STOCKTON, 0.9 MI EAST OF BENCH MARK TIDAL 6, ALONG N ST (OLD BORDEN HWY), AT THE FIRST BRICK BUILDING WEST OF THE MAIN GATE, IN THE TOP OF THE SOUTH CORNER OF THE SW CONCRETE LOADING PLATFORM, 381.5 FT WEST OF THE NW CORNER OF THE SENTRY BOOTH AT THE MAIN GATE, 60 FT NORTH OF THE CENTER LINE OF THE STREET, 31.3 FT SE OF THE CENTER OF DOOR 35, 8 FT SW OF THE SOUTH CORNER OF THE BUILDING, AND ABOUT 4 FT HIGHER THAN THE GROUND.

PID: HS0391 Station Name: 941 4883 TIDAL 5

COS96 ADJUSTED ELEV.= 14.47 Ft., 4.410 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375725.00000 N }= Longitude: 1211719.00000 W }= Position Type SCALED
Orthometric Height: 5.153 Mts. 16.910 US Ft. Det. By: ADJUST

Station Recovery Information.....

STATION MARK IS A TIDAL STATION DISK STAMPED: 5 1936

HISTORY -1936 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1958: AT STOCKTON, AT THE NW CORNER OF THE INTERSECTION OF N SAN JOAQUIN AND E LINDSAY STS, AT THE SOUTH ENTRANCE OF THE POST OFFICE, IN THE TOP OF THE NW CORNER OF A GRANITE LANDING, 4.8 FT WEST OF THE WEST END OF A DOOR, AND ABOUT 4 FT HIGHER THAN THE SIDEWALK.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0393 Station Name: 941 4883 TIDAL 1

COS96 ADJUSTED ELEV = 11.48 Ft., 3.499 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375727.00000 N }= Longitude: 1211729.00000 W }= Position Type SCALED

Orthometric Height: 4.245 Mts. 13.930 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

HISTORY -1932 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A TIDAL STATION DISK **STAMPED: BM 1 1932** DESCRIBED BY NATIONAL GEODETIC SURVEY 1960: AT STOCKTON, ON WEST FREMONT ST BETWEEN N ELDORADO AND N CENTER STS, AT THE NORTH ENTRANCE TO THE CITY HALL, IN TOP OF THE EAST END OF THE LOWEST STEP AT THE NORTH ENTRANCE, 0.3 FT WEST OF THE NW CORNER OF THE EAST CONCRETE BALUSTRADE POST, AND 0.2 FT HIGHER THAN THE SIDEWALK. **NOTE: City of Stockton Bench Mark "G"**

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PID: HS0395 Station Name: 941 4883 TIDAL 3 RESET

COS96 ADJUSTED ELEV.= 12.04 Ft., 3.670 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375725.00000 N }= Longitude: 1211732.00000 W }= Position Type SCALED

Orthometric Height: 4.419 Mts. 14.500 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A TIDAL STATION DISK **STAMPED: BM 3 1932**

HISTORY -1932 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1957: AT STOCKTON, AT THE NW CORNER OF THE INTERSECTION OF W FREMONT ST AND N CENTER ST, AT THE EAST ENTRANCE TO THE STOCKTON MEMORIAL CIVIC AUDITORIUM, IN THE TOP OF THE SOUTH END OF THE TOP STEP, AND ABOUT 1 FT HIGHER THAN THE SIDEWALK.

=====

PID: HS0396 Station Name: 941 4883 TIDAL 2

COS96 ADJUSTED ELEV.= 12.02 Ft., 3.664 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375729.00000 N }= Longitude: 1211732.00000 W }= Position Type SCALED

Orthometric Height: 4.410 Mts. 14.470 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A TIDAL STATION DISK **STAMPED: BM 2 1932**

HISTORY -1932 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: AT STOCKTON, ON W FREMONT ST BETWEEN N COMMERCE AND N CENTER STS, AT THE EAST ENTRANCE TO THE POLICE AND FIRE ALARM CONTROL STATION, IN THE TOP OF THE SOUTH END OF THE LOWEST STEP, AND SET 0.7 FT HIGHER THAN THE SIDEWALK.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0439 Station Name: 941 4867 TIDAL 2

COS96 ADJUSTED ELEV.= 23.57 Ft., 7.184 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375541.00000 N, Longitude: 1211940.00000 W, Position Type SCALED

Orthometric Height: 7.902 Mts. 25.920 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A TIDAL STATION DISK **STAMPED: BM NO 2 1934**

HISTORY -1934 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: 3.0 MI WEST ALONG STATE HWY 4 FROM THE SOUTHERN PACIFIC COMPANY RAILROAD OVERPASS AT STOCKTON, AT THE GARWOOD BRIDGE OVER THE SAN JOAQUIN RIVER, IN THE TOP OF THE NE CORNER OF THE WEST ABUTMENT, 15 FT NORTH OF THE CENTER LINE OF THE HIGHWAY, 17 FT EAST OF THE CENTER OF THE WEST LEVEE, 0.7 FT NORTH OF THE NORTH EDGE OF A CONCRETE PILLAR, AND SET ABOUT LEVEL WITH THE HIGHWAY.

PID: HS0440 Station Name: SJ 141 BM

COS96 ADJUSTED ELEV.= 24.02 Ft., 7.321 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375542.00000 N }= Longitude: 1211939.00000 W }= Position Type SCALED

Orthometric Height: 8.046 Mts. 26.400 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A SURVEY DISK **STAMPED: SJ 141 BM 1955 SACTO DIST**

HISTORY -1955 STATION MONUMENTED US DEPARTMENT OF DEFENSE

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1960: 2.0 MI WEST ALONG STATE HWY 4 FROM THE SOUTHERN PACIFIC RAILROAD OVERPASS AT STOCKTON, AT GARWOOD BRIDGE OVER THE SAN JOAQUIN RIVER, IN TOP OF THE EAST END OF THE SOUTH CONCRETE CURB, 15 FT SOUTH OF THE CENTER LINE OF THE HIGHWAY, 2.0 FT NORTH OF THE NORTH FACE OF THE SOUTH CONCRETE GUARDRAIL, AND ABOUT ½ FT HIGHER THAN THE HIGHWAY. **City of Stockton BM "P"**

PID: HS0442 Station Name: 941 4867 TIDAL 5

COS96 ADJUSTED ELEV.= 24.55 Ft., 7.483 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375543.00000 N }= Longitude: 1211936.00000 W }= Position Type SCALED

Orthometric Height: 8.205 Mts. 26.920 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A TIDAL STATION DISK **STAMPED: NO 5 1948**

HISTORY -1948 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: 3.0 MI WEST ALONG STATE HWY 4 FROM THE SOUTHERN PACIFIC COMPANY RAILROAD OVERPASS AT STOCKTON, 103 FT EAST OF THE EAST END OF GARWOOD BRIDGE, AT CONCRETE BRIDGE NO. 29-51 OVER A DIRT ROAD, IN THE TOP OF THE WEST END OF THE NORTH CONCRETE GUARD RAIL, 103 FT EAST OF TIDAL 1, 54 1/2 FT EAST OF THE CENTER LINE OF A BLACK TOP ROAD LEADING NORTH ALONG THE LEVEE, 14 1/2 FT NORTH OF THE CENTER LINE OF THE HIGHWAY, AND SET ABOUT 2 1/2 FT HIGHER THAN THE HIGHWAY.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0473 Station Name: ARGONAUT

COS96 ADJUSTED ELEV.= 4.22 Ft., 1.286 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375535.55361 N }= Longitude: 1211804.48910 W }= Position Type ADJUSTED

Orthometric Height: 1.380 Mts. 4.500 US Ft. Det. By: COMPUTED

.....Station Recovery Information.....

STATION MARK IS A TRIANGULATION STATION DISK **STAMPED: ARGONAUT 1959**

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1959 (JEG): THE STATION IS LOCATED ALONG THE SOUTH SIDE OF EIGHTH ST, BETWEEN ARGONAUT AND STOCKTON STREETS AND IN THE NORTH FENCE LINE OF A CHURCH-YARD. IT IS ABOUT 2 MI AIRLINE SOUTH-SOUTHWEST OF THE CENTER OF STOCKTON. THE STATION MARK IS A STANDARD DISKSTAMPED ARGONAUT 1959, SET IN THE TOP OF A 10-IN-SQUARE, CONCRETE MONUMENT SET FLUSH WITH THE GROUND. IT IS 1 FT NORTH OF A FENCE LINE, 2 FT WEST OF A METAL WITNESS POST, 42 FT SOUTH OF THE CENTER LINE OF EIGHTH ST AND ABOUT 6 FT LOWER THAN THE STREET. **NOTE: CITY OF STOCKTON BM "I"**

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PID: HS0484 Station Name: G 1041

COS96 ADJUSTED ELEV.= 16.10 Ft., 4.907 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375323.00000 N }= Longitude: 1211634.00000 W }= Position Type SCALED

Orthometric Height: 5.039 Mts. 16.530 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK **STAMPED: G 1041 1959** 0.35 MI NORTH ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE LIGON AND COMPANY PACKING SHED(A FORMER STATION) AT FRENCH CAMP, THENCE 0.15 MI NW ALONG FRENCH CAMP TURNPIKE, 162 FT NW OF THE CENTER OF THE INTERSECTION OF U.S. HWY 50, AT STEEL STREET LIGHT STANDARD 4577, IN THE TOP OF THE SW CORNER OF THE CONCRETE BASE, 46 1/2 FT WEST OF THE CENTER LINE OF THE WEST TRAFFIC LANES OF THE HIGHWAY, 57 FT NE OF THE CENTER LINE OF FRENCH CAMP TURNPIKE, ABOUT 1 FT LOWER THAN THE HIGHWAY.

=====
PID: HS0722 Station Name: T 1068

COS96 ADJUSTED ELEV.= 18.62 Ft., 5.675 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375746.00000 N }= Longitude: 1211542.00000 W }= Position Type SCALED

Orthometric Height: 5.970 Mts. 19.600 US Ft. Det. By: COMPUTED

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: T 1068 1966**

HISTORY -1966 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1966: AT STOCKTON, AT THE NW CORNER OF THE INTERSECTION OF EAST FREMONT ST AND NORTH "D" ST, IN THE TOP OF THE SE CORNER OF A 6- BY 6-FT CONCRETE BOX WITH A METAL COVER CONTAINING UNDERGROUND VALVES, 57 FT NORTH OF THE CENTER LINE OF FREMONT ST, 22 FT WEST OF THE CENTER LINE OF "D" ST, 0.8 FT NW OF THE SE CORNER OF THE BOX, AND ABOUT 1 FT HIGHER THAN THE STREETS.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0724 Station Name: S 1068 RESET

COS96 ADJUSTED ELEV.= 20.78 Ft., 6.334 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375752.00000 N }= Longitude: 1211525.00000 W }= Position Type SCALED

Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: S 1068 RESET 1992

HISTORY -1992 STATION DESTROYED RESET BY CITY OF STOCKTON SURVEYOR

STATION DESCRIPTION: NOTES BY ROBERT E. CHESNER CITY OF STOCKTON SURVEYING SUPERVISOR PLS6670. THE STATION WAS DESTROYED DURING STREET RECONSTRUCTION IN THE SUMMER OF 1993. A NEW DISK WAS SET IN NEW CONCRETE SIDEWALK AT THE NW CORNER OF FREMONT ST. AND FILBERT ST. APPROXIMATELY 0.6 MI WEST OF THE JUNCTION OF FREMONT ST. AND STATE HWY 99., 1.5 FT SOUTH OF A TRAFFIC SIGNAL POLE BASE AND 5.0 FT NORTH OF THE NORTH TOP OF CURB, AND 15.6 FT WEST OF THE WEST FACE OF CURB OF FILBERT ST. NOTE--THE NEW STATION IS APPROXIMATELY 850 FT EAST OF THE OLD STATION MARK.

PID: HS0725 Station Name: H 965

COS96 ADJUSTED ELEV.= 23.74 Ft., 7.236 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375806.00000 N }= Longitude: 1211454.00000 W }= Position Type SCALED

Orthometric Height: 7.719 Mts. 25.320 US Ft. Det. By: ADJ UNCHK

Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: H 965 1963

HISTORY -1963 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1963: AT STOCKTON, AT THE INTERSECTION OF FREMONT ST (STATE HWY 26) AND BROADWAY, 0.1 MI SW OF THE INTERSECTION OF U.S. HWY 99, IN THE TOP OF THE NW END OF THE NE CONCRETE HEAD WALL OF A 24-IN PIPE CULVERT UNDER BROADWAY, 48 1/2 FT NW OF THE CENTER LINE OF THE NW LANES OF THE STREET, 71 FT NE OF THE CENTER LINE OF BROADWAY, 1.2 FT SE OF A CYCLONE FENCE, AND ABOUT 2 FT LOWER THAN THE STREET. NOTE: City of Stockton BM "K"

PID: HS0727 Station Name: E 833 RESET

COS96 ADJUSTED ELEV.= 26.79 Ft., 8.166 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375813.00000 N }= Longitude: 1211443.00000 W }= Position Type SCALED

Orthometric Height: 8.640 Mts. 28.300 US Ft. Det. By: RESET COMP

Station Recovery Information.....

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK STAMPED: E 833 RESET 1959 AT STOCKTON, 0.2 KM (0.10MI) WEST ALONG FREMONT ST FROM THE JUNCTION OF STATE HWY 99 IN STOCKTON. AT THE WEST TIP OF A CONCRETE ISLAND, IN THE TOP OF THE NE CORNER OF CONCRETE FOUNDATION FOR A DRAIN NO. 13+66, 16 FT EAST OF A 4-BY 6-IN POST SUPPORTING A MERGING TRAFFIC SIGN, 27 FT NORTH OF THE NORTH LANES OF THE STREET, 6 1/2 FT NORTH OF THE NORTH CURB OF STREET, AND ABOUT 1/2 FT HIGHER THAN THE STREET.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0753 Station Name: T 958

COS96 ADJUSTED ELEV.= 19.43 Ft., 5.922 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum: NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375635.00000 N }= Longitude: 1211542.00000 W }= Position Type SCALED
Orthometric Height: 6.253 Mts. 20.515 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: T 958 1962

HISTORY -1962 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1987, AT STOCKTON, ALONG CHARTER WAY, 0.4 MI WEST OF THE JUNCTION OF MARIPOSA RD, 0.3 MI EAST OF THE JUNCTION OF WILSON WAY, 38.0 FT SOUTH OF THE CENTER LINE OF THE SOUTH LANE OF CHARTER WAY, 5.2 FT SOUTH OF A POWER POLE WITH A GUY WIRE, 1.8 FT NORTH OF A MESH-WIRE FENCE, 1.8 FT EAST OF A WITNESS POST, FLUSH WITH THE GROUND AND SET IN THE TOP OF A CONCRETE POST.

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PID: HS0754 Station Name: U 958

COS 96 ADJUSTED ELEV.= 24.60 Ft., 7.498 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375622.00000 N }= Longitude: 1211446.00000 W }= Position Type SCALED
Orthometric Height: 8.037 Mts. 26.370 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

HISTORY -1962 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK **STAMPED U 958 1962**, 0.6 MI SE ALONG MARIPOSA RD FROM THE JUNCTION OF CHARTER WAY AT STOCKTON, 1.0 MI SE OF BENCH MARK T 958, IN THE TOP OF THE NW END OF THE SW CONCRETE HEADWALL OF BRIDGE NO. B-318+37, 21.3 FT SW OF THE CENTERLINE OF THE ROAD, AND ABOUT LEVEL WITH THE ROAD.

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PID: HS0757 Station Name: W 958 RESET

COS96 ADJUSTED ELEV.= 31.81 Ft., 9.696 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375538.00000 N }= Longitude: 1211246.00000 W }= Position Type SCALED

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK STAMPED: W 958 RESET 1973

HISTORY -1973 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1973: 2.6 MI SE ALONG MARIPOSA RD FROM THE JUNCTION OF CHARTER WAY AT STOCKTON AND 725 FT SE ALONG MARIPOSA RD FROM THE INTERSECTION OF CARPENTER ROD, IN THE TOP OF THE NW CORNER OF A CONCRETE BOX CULVERT 50 FT NORHT OF THE CENTERLINE OF THE ROAD, AND ABOUT LEVEL WITH THE ROAD. **NOTE: CITY OF STOCKTON BM "Q"**

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS0758 Station Name: X 958

COS96 ADJUSTED ELEV.=36.51 Ft., 11.128 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375516.00000 N }= Longitude: 1211202.00000 W }= Position Type SCALED
Orthometric Height: 11.551 Mts. 37.900 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: X 958 1962**

HISTORY -1962 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1987 RECOVERED IN GOOD CONDITION. 5.2 KM(3.25 MI) NORTHWESTERLY ALONG MARIPOSA RD FROM THE JUNCTION OF JACK TONE RD IN COLLEGEVILLE, ALSO 5.5 KM (3.40 MI) SOUTHEASTERLY ALONG MARIPOSA RD FROM THE JUNCTION OF CHARTER WAY IN STOCKTON, 43.3 M(142.1 FT) SE OF THE CENTER OF A FIELD ENTRANCE, 11.5 M (37.7 FT) SW OF THE CENTERLINE OF THE ROAD, 6.3 M (20.7 FT) NW OF THE CENTER OF A FIELD ENTRANCE, 3.0 M (9.8 FT) SOUTH-SOUTHEAST OF A UTILITY POLE, AND 0.2 M (0.7 FT) EAST OF A FENCE. THE PIPE IS ABOVE GROUND LEVEL THE STATION IS 0.6 METERS BELOW THE HEIGHT OF THE HIGHWAY. THE STATION

IS 0.5 M(1.64 FT) FROM A WITNESS POST. **NOTE: CITY OF STOCKTON BM "R"**

PID: HS0790 Station Name: R 956

COS96 ADJUSTED ELEV.= 37.46 ft., 11.418 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375944.00000 N }= Longitude: 1211351.00000 W }= Position Type SCALED
Orthometric Height: 11.704 Mts. 38.400 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: R 956 1962**

HISTORY -1962 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1963: 3.7 MI SW ALONG STATE HWY 88 FROM THE JUNCTION OF COMSTOCK RD AT WATERLOO, 58 FT EAST OF THE CENTER OF THE JUNCTION OF OVERHISER RD NORTH, 38 FT SE OF THE CENTER LINE OF THE HIGHWAY, 98 FT SE AND ACROSS THE HIGHWAY FROM THE SOUTH CORNER OF A STUCCOED HOUSE, 1 1/2 FT NORTH OF POWER POLE 59, 1.9 FT SOUTH-SOUTHWEST OF A WITNESS POST, ABOUT LEVEL WITH THE ROAD, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.3 FT ABOVE THE GROUND. **NOTE: MONUMENT HAS BEEN DISTURBED, 6/94.**

PID: HS0794 Station Name: T 956 RESET 1966

COS96 ADJUSTED ELEV.= 27.39 Ft., 8.348 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375857.00000 N }= Longitude: 1211510.00000 W }= Position Type SCALED
Orthometric Height: 8.640 Mts. 28.300 US Ft. Det. By: RESET COMP

.....Station Recovery Information.....

HISTORY -1966 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: A BENCH MARK DISK **STAMPED: T 956 RESET 1966** 5.2 MI SW ALONG STATE HWY 88 FROM THE JUNCTION OF COMSTOCK RD AT WATERLOO, AT A 33 X 42-FT CONCRETE STRUCTURE ENCLOSING AN UNDERGROUND STORM DRAINAGE SYSTEM, 65 YARDS WEST OF THE WEST CORNER OF THE WATERLOO RD BRIDGE OVER STOCKTON DIVERTING CANAL, 93 FT NW OF THE CENTER OF THE JUNCTION OF BROADWAY AND WATERLOO RD, 91 FT NW OF THE CENTERLINE OF WATERLOO RD, 61 FT SW OF THE CENTERLINE OF A LEVEE ROAD, 4.0 FT SE OF AN 18-IN PIPE, 0.9 FT NE OF THE EAST CORNER OF A METAL BUILDING, 0.7 FT SW OF THE NE CORNER OF THE CONCRETE STRUCTURE, AND FLUSH WITH THE GROUND.**NOTE: CITY OF STOCKTON BM "J"**

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4399 Station Name: U 1068 RESET

COS96 ADJUSTED ELEV = 15.44 Ft., 4.706 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375737.00000 N }= Longitude: 1211622.00000 W }= Position Type SCALED

Orthometric Height: 5.452 Mts. 17.890 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

HISTORY -1978 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: A BENCH MARK DISK **STAMPED: U 1068 RESET 1978** IN STOCKTON, IN THE SE QUADRANT OF THE INTERSECTION OF FREMONT ST AND WILSON WAY, AT THE SW CORNER OF A USED CAR LOT, IN TOP OF A 2 BY 2 FT CONCRETE BASE OF AN ELECTROLLER, 32.9 M (107.9 FT) SOUTH OF THE SOUTH CURB OF FREMONT ST, 4.3 M (14.1 FT) EAST OF THE EAST CURB OF WILSON WAY, 1.52 M (5.0 FT) OF THE SW CORNER OF A CHAIN-LINK FENCE. THE STATION IS 0.3 METERS ABOVE THE HEIGHT OF THE STREET.

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PID: HS4401 Station Name: A 1400

COS96 ADJUSTED ELEV.= 19.57 Ft., 5.965 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375800.00000 N }= Longitude: 1211521.00000 W }= Position Type SCALED

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS **STAMPED: A 1400 1987** IN STOCTON, AT 652 NORTH FILBERT ST., 40.7 FT NW OF THE NW CORNER OF THE HOUSE AT 652 NORTH FILBERT ST., 28.2 FT EAST OF THE CENTERLINE OF THE STREET, 9.8 FT NORTH OF THE CENTER OF A DRIVEWAY, 9.8 FT WEST OF THE SW CORNER OF A FENCE, AND 1.6 FT NORTH OF A UTILUTY POLE. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. A STAINLESS STEEL ROD SET TO A DEPTH OF 9.7 METERS ENCASED IN A PIPE FLUSH WITH THE GROUND.

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PID: HS4402 Station Name: K 1400

COS96 ADJUSTED ELEV.= 28.06 Ft., 8.553 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375823.00000 N }= Longitude: 1211405.00000 W }= Position Type SCALED

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS **STAMPED: K 1400 1987**. 0.55 MI NORTHEASTERLY ALONG STATE HWY 26 FROM THE JUNCTION OF STATE HWY 99 IN STOCKTON, 50.5 FT NORTH OF THE CENTER OF THE HIGHWAY, 24.0 FT EAST OF THE CENTER OF ELLEN ST, AND 7.2 FT NORTH OF A FENCE CORNER. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A 5-IN LOGO CAP. A STAINLESS STEEL ROD SET TO A DEPTH OF 7.9 METERS ENCASE IN A PIPE FLUSH WITH THE GROUND. 1.45 METERS WEST OF A WITNESS POST AND FENCE.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4403 Station Name: B 1400

COS96 ADJUSTED ELEV = 31.66 Ft., 9.650 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375831.00000 N }= Longitude: 1211332.00000 W }= Position Type SCALED

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE
HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS STAMPED: **B 1400 1987**, 1.10 MI NORTHEASTERLY ALONG STATE HWY 26 FROM THE JUNCTION OF STATE HWY 99 IN STOCKTON, 0.05 MI WEST OF THE INTERSECTION OF BEYER LN, 90.6 FT WEST OF THE CENTER OF A DRIVEWAY LEADING TO HOUSE NUMBER 5465, 61.0 FT EAST OF THE EXTENDED CENTER OF A DRIVEWAY LEADING TO HOUSE NUMBER 5443, 34.1 FT NORTH OF THE CENTERLINE OF THE HIGHWAY, 4.6 FT SW OF A FENCE, AND 2.6 FT WEST OF A UTILITY POLE WITH A CUY WIRE. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. A STAINLESS STEEL ROD SET TO A DEPTH OF 3.7 METERS ENCASED IN A PIPE PROJECTING 2 CENTIMETERS, 0.3 METERS EAST OF A WITNESS POST.

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PID: HS4407 Station Name: P 1400

COS96 ADJUSTED ELEV = 38.95 Ft., 11.872 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375510.00000 N }= Longitude: 1211139.00000 W }= Position Type SCALED

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE
STAMPED: P 1400 1987.

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1987: 2.85 MI NORTHWESTERLY ALONG MARIPOSA RD FROM THE JUCTION OF JACK TONE RD IN COLLEGEVILLE, 147.6 FT NE OF THE CENTERLINE OF THE ROAD, 44.3 FT SOUGHWEST OF THE NEAR RAIL OF THE SANTA FE RAILROAD, 23.6 FT WEST-SOUTHWEST OF THE CENTER OF A PRIVATE ROAD, AND 3.9 FT NE OF A ROW OF POSTS(OLD FENCE LINE). NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. A STAINLESS STEEL ROD IN SLEEVE SET TO A DEPTH OF 15.5 METERS ENCASED IN A PIPE FLUSH WITH THE GROUND. THE SLEEVE DEPTH IS RECORDED AS 6.1 METERS, 0.3 METERS SE OF A WITNESS POST.

PID: HS4488 Station Name: P 1413

COS96 ADJUSTED ELEV.= 14.30 Ft., 4.359 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375317.00000 N }= Longitude: 1211627.00000 W }= Position Type SCALED
Orthometric Height: 5.113 Mts. 16.780 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE
HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS STAMPED: **P 1413 1987**, 0.45 MI. NW ALONG FRENCH CAMP RD FROM THE POST OFFICE IN FRENCH CAMP, AT THE CROSSING OF THE SOUTHERN PACIFIC RAILROAD, 18.6 M (61.0 FT) NE OF THE ROAD CENTERLINE, 16.6 M (54.5 FT) WEST OF THE WEST RAIL, 9.1 M (29.9 FT) NORTH OF A POWER POLE, 6.4 M (21.0 FT) NORTH OF A FENCE CORNER, 0.42 M EAST OF A FENCE. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 18.3 METERS. THE STATION IS 3.0 METERS BELOW THE HEIGHT OF THE RAILROAD. THE STATION IS 0.30 METERS SS FROM A WITNESS POST.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4489 Station Name: Q 1413

COS96 ADJUSTED ELEV.= 12.91 Ft., 3.935 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375425.00000 N }= Longitude: 1211631.00000 W }= Position Type SCALED

Orthometric Height: 4.685 Mts. 15.370 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE
THE MARK IS **STAMPED: Q 1413 1987**,

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1987: 1.0 KM (0.60 MI) NW ALONG FRENCH CAMP RD FROM THE POST OFFICE IN FRENCH CAMP, THENCE 1.9 KM (1.20 MI) NORTH ALONG EL DORADO ST, WEST AND ACROSS THE STREET FROM WESTERN LUMBER COMPANY, AT THE SOUTH ENTRANCE TO VALLEY SALVAGE INCORPORATED (AN ABANDONED DRIVE-IN MOVIE THEATRE), 28.2 M (92.5 FT) WEST OF THE STREET CENTERLINE, 8.5 M (27.9 FT) SOUTH OF THE ENTRANCE CENTER, 4.0 M (13.1 FT) WEST OF A POWER POLE, 3.0 M (9.8 FT) SOUTH OF A WOOD PICKET FENCE, 0.30 M (1.0 FT) NORTH OF A WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 11.0 METER THE STATION IS LEVEL WITH THE HEIGHT OF THE STREET. THE STATION IS 0.30 METERS S FROM A SECOND WITNESS POST.

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PID: HS4491 Station Name: S 1413

COS96 ADJUSTED ELEV.= 7.70 Ft., 2.347 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375605.00000 N }= Longitude: 1211737.00000 W }= Position Type SCALED

Orthometric Height: 3.095 Mts. 10.150 US Ft. Det. By: ADJUST

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD IN SLEEVE

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS **STAMPED: S 1413 1987**, IN STOCKTON, TWO BLOCKS SOUTH ALONG LINCOLN ST FROM THE JUNCTION OF CHARTER WAY, AT 1645 SOUTH LINCOLN ST, AT THE STOCKTON MUNICIPAL SERVICE CENTER AND ANIMAL SHELTER, AT THE EAST (LINCOLN ST) ENTRANCE, 22.2 M (72.8 FT) WEST OF THE WEST CURB OF THE STREET, 2.1 M (6.9 FT) WEST OF THE WEST CURB OF AN ASPHALT ROAD TO THE SHELTER, 9.6 M (31.5 FT) EAST-NORTHEAST OF A FLAG POLE, 3.67 M(12.0 FT) SOUTH OF THE SOUTH CURB OF AN ASPHALT ROAD EAST FROM THE IRON GATES OF THE SERVICE CENTER ENTRANCE. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 13.1 METER.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4492 Station Name: T 1413

COS96 ADJUSTED ELEV.= 4.26 Ft., 1.298 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375559.00000 N }= Longitude: 1211833.00000 W }= Position Type SCALED
Orthometric Height: 2.045 Mts. 6.710 US Ft. Det. By: ADJUST

Station Recovery Information.....

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE

THE MARK IS STAMPED: T 1413 1987,

HISTORY -1987 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1987: 3.2 KM (2.00 MI) WEST ALONG CHARTER WAY (STATE HWY 4) FROM THE CROSSING OF THE SOUTHERN PACIFIC RAILROAD IN STOCKTON, SOUTH AND ACROSS THE HIGHWAY FROM THE SW PROPERTY CORNER OF THE CATIPILLAR TRACTOR COMPANY, 12.8 M (42.0 FT) SOUTH OF THE HIGHWAY CENTERLINE, 22.2 M (72.8 FT) WEST OF THE PROLONGATION OF THE WEST FACE OF A CATIPILLAR TRACTOR STORAGE SHED, 8.2 M (26.9 FT) EAST OF THE CENTER OF A TRACK ROAD SOUTH, 3.4 M (11.2 FT) SOUTH OF AN 0.8 M(2.6 FT) DIAMETER WALNUT TREE, 1.1 M (3.6 FT) WEST OF A POWER POLE. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP.

PID: HS4493 Station Name: J 943 RESET

COS96 ADJUSTED ELEV.= 24.09 Ft., 7.343 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375903.00000 N }= Longitude: 1211656.00000 W }= Position Type SCALED
Orthometric Height: 8.136 Mts. 26.690 US Ft. Det. By: ADJUST

Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK WITH SETTING: SET IN A PAVEMENT

HISTORY -1978 STATION MONUMENTED NATIONAL GEODETIC SURVEY.

STATION DESCRIPTION: THE MARK IS STAMPED: J 943 RESET 1978, IN STOCKTON, AT THE CROSSING OF ALPINE AVE AND THE SOUTHERN PACIFIC RAILROAD, IN THE MIDDLE OF THE AVE, IN A TRAFFIC ISLAND FOR A RAILROAD SIGNAL, IN TOP OF THE NORTH CURB, 13.4 M (44.0 FT) WEST OF THE WEST RAIL, 4.6 M (15.1 FT) SW OF THE RAILROAD SIGNAL. NOTE: CITY OF STOCKTON BM "F"

PID: HS4662 Station Name: ELM RESET

COS96 ADJUSTED ELEV.= Surface mark disturbed

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375748.58172 N }= Longitude: 1211237.38391 W }= Position Type ADJUSTED
Orthometric Height: 11.000 Mts. 36.000 US Ft. Det. By: SCALED

Station Recovery Information.....

HISTORY -1954 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION RECOVERY (1973) RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1973 (LFS). 1/5 MI WEST-NORTHWEST OF THE CROSSING OF EAST MAIN ST OVER THE CANAL AND IS IN THE NW 1/4 OF SEC 76, T 1 N, R 7 E. TO REACH THE STATION FROM THE OVERCROSSING OF EAST MAIN ST OVER U.S. HWY 99 IN THE EAST PART OF STOCKTON GO EAST-NORTHEAST ON EAST MAIN ST 2.0 MI TO A BRIDGE OVER A CANAL AND THE AZIMUTH MARK ON THE LEFT. TURN LEFT, PASS THRU A GATE, AND GO NW ALONG THE TOP OF THE SW LEVEE OF THE CANAL 0.2 MI TO THE STATION SITE. THE UNDERGROUND AND SURFACE STATION MARKS SET ON THIS DATE ARE NGS HORIZONTAL CONTROL DISKS STAMPED ELM 1954 1973. THE UNDERGROUND STATION MARK IS SET IN THE TOP OF A BLOCK OF CONCRETE 3.2 FT BELOW THE SURFACE OF THE GROUND. THE SURFACE STATION MARK IS SET IN THE TOP OF A 12-IN CONCRETE CYLINDER FLUSH WITH THE GROUND AND IS 36 FT SW OF THE NE TOP EDGE OF THE LEVEE, 20 FT NE OF THE SW TOP EDGE OF THE LEVEE AND 2.4 FT NW OF A METAL WITNESS POST. NOTE: SURFACE STATION MARK FOUND DISTURBED 12/99.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4664 Station Name: POX RESET

COS96 ADJUSTED ELEV.= 25.16 Ft., 7.669 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375453.58289 N }= Longitude: 1211420.52813 W }= Position Type ADJUSTED

Orthometric Height: 8.000 Mts. 26.000 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1932 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: RECOVERY NOTE BY CITY OF STOCKTON SURVEY SUPERVISOR ROBERT E. CHESNER PLS6670. THE STATION MARK WAS DESTROYED BY NEW CONSTRUCTION OF POCK LN IN THE SUMMER OF 1993. THE GROUND STATION WAS RECOVERED IN GOOD CONDITION. THE SURFACE MARK WAS RESET 8/31/93 USING A CITY OF STOCKTON BRASS DISK STAMPED POX RESET 1993, SET ON A CONCRETE PILLAR IN A CAST METAL BOX LOCATED 6.9 FT. WEST OF THE NEW EAST FACE OF CURB FOR POCK LN. THE CAST METAL BOX IS SET AT THE SURFACE OF THE ASPHALT PAVEMENT WITH A LID STAMPED MONUMENT. THE STATION IS LOCATED APPROXIMATELY 1.1 MI NW OF THE INTERSECTION OF HWY. 99 AND ARCH-AIRPORT RD. AND +/-200 FT. NORTH OF A BRIDGE.

PID: HS4758 Station Name: PACIFIC

COS96 ADJUSTED ELEV.= 21.21 Ft., 6.465 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375843.59261 N }= Longitude: 1211905.68272 W }= Position Type ADJUSTED

Orthometric Height: 3.000 Mts. 10.000 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1931 STATION MONUMENTED US ARMY CORPS OF ENGINEERS

STATION DESCRIPTION: STATION RECOVERY (1954) THE STATION IS LOCATED ON THE TOP OF THE SOUTH LEVEE OF THE CALAVERAS RIVER, NORTH OF THE NW CORNER OF PACIFIC MEMORIAL STADIUM. THE STATION IS A STANDARD U.S. ENGINEERS DISK, STAMPED PACIFIC, FIXED TO THE TOP OF A 3-IN IRON PIPE THAT IS SET IN THE CENTER OF A CONCRETE BLOCK. THE DISK IS ABOUT FLUSH WITH THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF N. PERSHING AVE. AND W. TELEGRAPH AVE. IN STOCKTON GO NORTH ON N. PERSHING AVE. FOR 0.05 MI TO THE SOUTH LEVEE OF THE CALAVERAS RIVER. TURN RIGHT, EAST, AND FOLLOW THE LEVEE FOR 0.05 MI TO THE STATION. THE PG&E SUB-STATION WHICH WAS NEAR BY HAS BEEN MOVED EAST ABOUT 50 YARDS AND PERSHING AVE NOW CROSSES THE CALAVERAS RIVER ON A RECENTLY BUILT BRIDGE NEAR THE STATION SITE. THE STATION MARK IS 83.4 FT EAST-SE OF THE SE CORNER OF A CONCRETE BRIDGE OVER THE CALAVERAS RIVER, 78.5 FT EAST OF THE EAST CURB OF PERSHING AVE, 2.0 FT SOUTH OF A WOODEN WITNESS POST AND PROJECTS 0.2 FT ABOVE THE GROUND. NOTE: CITY OF STOCKTON BM #263

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: HS4763 Station Name: STOCKTON SW BASE
COS96 ADJUSTED ELEV.= 12.66 Ft., 3.859 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375931.38072 N }= Longitude: 1211839.31839 W }= Position Type ADJUSTED
Orthometric Height: 5.000 Mts. 16.000 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1954 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1954 (LSB) THE STATION IS LOCATED ALONG THE RIGHT-OF-WAY OF THE EAST BAY MUNICIPAL UTILITY DISTRICT AQUEDUCT. IT IS ABOUT 3 MI, AIR LINE, NORTH-NORTHWEST OF THE CENTER OF STOCKTON, ABOUT 4 MI, AIR LINE, SW OF U.S. HWY 99, AND ABOUT 0.15 MI NE OF PACIFIC AVE. THE STATION IS A STANDARD DISK, **STAMPED STOCKTON S.W. BASE 1954**, SET IN THE TOP OF A CONCRETE CYLINDER THAT IS 8 INCHES BELOW THE SURFACE. IT IS 30 FT SE OF THE CENTERLINE OF THE TRACK ROAD ALONG THE AQUEDUCT. TO REACH THE STATION FROM THE INTERSECTION OF PACIFIC AVE AND ALPINE AVE IN THE NORTH EDGE OF STOCKTON GO NORTH ON PACIFIC AVE FOR 0.5 MI TO THE BRIDGE OVER THE CALAVERAS RIVER. CONTINUE, NORTH, ON PACIFIC AVE FOR 0.4 MI TO A TRACK ROAD RIGHT. TURN RIGHT, NE, AND GO 0.15 MI TO THE STATION ON THE RIGHT.

=====
PID: JS1310 Station Name: F 943

COS96 ADJUSTED ELEV.= 33.37 Ft., 10.171 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 380239.00000 N }= Longitude: 1211640.00000 W }= Position Type SCALED
Orthometric Height: 10.976 Mts. 36.010 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK WITH SETTING: SET IN A RETAINING WALL OR CONCRETE LEDGE

HISTORY -1958 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: THE MARK IS **STAMPED: F 943 1958**, 6.1 MI NORTH ALONG THE SOUTHERN PACIFIC RAILROAD FROM THE STATION AT STOCKTON, IN R6E T2N S2, 6.2 MI SOUTH OF LODI, 7 1/2 TELEPHONE POLES NORTH OF MILEPOLE 97, IN TOP OF THE EAST END OF THE SOUTH CONCRETE ABUTMENT OF BRIDGE NO. 97.16, 6.0 FT EAST OF THE EAST RAIL, AND 1 FT LOWER THAN THE TRACK. ADD--ALSO 11.7 KM (7.25 MI) SOUTH OF LODI, 0.88 KM (0.55 MI) NORTH OF THE CROSSING OF MORADA LN AND THE SOUTHERN PACIFIC RAILROAD.

=====
PID: JS1314 Station Name: 28.28 EBMUD

COS96 ADJUSTED ELEV.= 25.97 Ft., 7.916 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 380047.00000 N }= Longitude: 1211648.00000 W }= Position Type SCALED
Orthometric Height: 8.771 Mts. 28.770 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A SURVEY DISK **STAMPED: 28.28 P 1620 + 17.90 H 1619 89.08**

HISTORY -UNK STATION MONUMENTED E BAY MUN UTIL DISTR

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 19513.9 MI NORTH ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE STATION AT STOCKTON, 5 1/2 RAILS NORTH OF MILEPOLE NO. 95, AT BRIDGE NO. 95.01 OVER THE EAST BAY MUNICIPAL UTILITY DISTRICT PIPE LINE, IN THE TOP OF THE EAST HEAD WALL, 17.9 FT EAST OF THE EAST RAIL OF THE EAST TRACK, 12.7 FT SOUTH OF THE NORTH END OF THE HEAD WALL, AND SET ABOUT ONE FT LOWER THAN THE TOP OF THE RAIL.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: JS1315 Station Name: L 833

COS96 ADJUSTED ELEV.= 25.50 Ft., 7.772 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 380047.00000 N }= Longitude: 1211647.00000 W }= Position Type SCALED
Orthometric Height: 8.628 Mts. 28.310 US Ft. Det. By: ADJUST

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: L 833 1947**

HISTORY -1947 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1951: 3.9 MI NORTH ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD FROM THE STATION AT STOCKTON, 4 RAILS NORTH OF MILEPOLE NO. 95, AT BRIDGE NO. 95.01 OVER THE EAST BAY MUNICIPAL UTILITY DISTRICT PIPE LINE, IN THE TOP OF THE SW END OF THE SOUTH ABUTMENT, 6.7 FT WEST OF THE WEST RAIL OF THE WEST TRACK, AND SET 1 1/2-FT LOWER THAN THE TOP OF THE RAIL. ADD-0.8 KM (0.50 MI) SOUTH OF THE CROSSING OF HAMMER LN AND THE SOUTHERN PACIFIC RAILROAD. **NOTE: CITY OF STOCKTON BM "N"**

PID: JS1384 Station Name: D 1041

COS96 ADJUSTED ELEV.= 11.99 Ft., 3.655 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 380014.00000 N }= Longitude: 1211906.00000 W }= Position Type SCALED
Orthometric Height: 3.877 Mts. 12.720 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

STATION MARK IS A BENCH MARK DISK **STAMPED: D 1041 1959**

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY COAST AND GEODETIC SURVEY 1959: AT STOCKTON, 252 FT WEST OF THE CENTER OF THE INTERSECTION OF SWAIN RD AND PACIFIC AVE, IN THE NORTH END OF A LONG CONCRETE RETAINING WALL AT THE NW CORNER OF A LARGE PARKING LOT AT PACIFIC BOWL, 8 FT EAST OF THE CENTER LINE OF AN ASPHALT DRIVEWAY LEADING SOUTH, 8.6 FT SOUTH OF THE SOUTH CURB OF THE ROAD, 0.4 FT NORTH OF THE NORTH END OF A STEEL MESH FENCE, AND ABOUT 1/2 FT HIGHER THAN THE ASPHALT PARKING APRON. **NOTE: CITY OF STOCKTON BM "E"**

PID: JS1385 Station Name: C 1041

COS96 ADJUSTED ELEV.= 12.23 ft., 3.728 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 380108.00000 N }= Longitude: 1211922.00000 W }= Position Type SCALED
Orthometric Height: 3.952 Mts. 12.970 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

HISTORY -1959 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK **STAMPED: C 1041 1959** ABOUT 1.1 MI NORTH ALONG PACIFIC AVE FROM THE INTERSECTION OF SWAIN RD AT STOCKTON, 1.1 MI NORTH OF THE NORTH CITY LIMITS, AT A Y JUNCTION FORMED BY PACIFIC AVE, THORNTON RD, AND SACRAMENTO RD, AT A CITY OF STOCKTON STORM SEWER PUMPING PLANT, IN THE TOP OF THE WEST END OF A NORTH CONCRETE HEADWALL FOR THE OUTLET VALVES, 50 FT EAST OF THE EAST TRAFFIC LANE LEADING NORTH TO SACRAMENTO RD, 3.2 FT NORTH OF A MESH WIRE FENCE, ABOUT LEVEL WITH THE ROAD, AND ABOUT 1 FT LOWER THAN THE BOTTOM OF THE FENCE. **NOTE: CITY OF STOCKTON BM "D"**

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: JS1391 Station Name: Y 1068

COS96 ADJUSTED ELEV.= 19.72 Ft., 6.011 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 380114.00000 N }= Longitude: 1211740.00000 W }= Position Type SCALED
Orthometric Height: 6.485 Mts. 21.280 US Ft. Det. By: ADJ UNCHK

.....Station Recovery Information.....

HISTORY -1966 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: STATION MARK IS A BENCH MARK DISK **STAMPED: Y 1068 1966**, 1.1 MI NORTH ALONG PACIFIC AVE FROM THE JUNCTION OF SWAIN RD AT STOCKTON, THENCE 0.7 MI NORTH ALONG SACRAMENTO RD, THENCE 0.7 MI EAST ALONG THE EAST LEVEE ROAD OF A CANAL, THENCE 0.55 MI SE ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD, THENCE 0.55 MI EAST ALONG HAMMER LN, AT THE SW CORNER OF THE INTERSECTION OF HAMMER LN AND WEST LN, IN THE TOP OF THE SW CORNER OF THE CONCRETE BASE OF A OVERHEAD TRAFFIC LIGHT, 24 FT WEST OF THE CENTER LINE OF THE WEST LANES OF WEST LN, 54 FT SOUTH OF THE CENTER LINE OF THE SOUTH LANES OF HAMMER LN, AND ABOUT LEVEL WITH THE LANES.

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PID: JS3888 Station Name: V 1413

COS96 ADJUSTED ELEV.= 30.77 Ft., 9.379 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 380329.00000 N }= Longitude: 1211638.00000 W }= Position Type SCALED
Orthometric Height: 10.136 Mts. 33.250 US Ft. Det. By: ADJUST

STATION MARK IS A FLANGE-ENCASED ROD WITH SETTING: STAINLESS STEEL ROD W/O SLEEVE

STATION DESCRIPTION: THE MARK IS **STAMPED: V 1413 1987**, 6.9 KM (4.30 MI) SOUTH ALONG WEST LN RD FROM THE JUNCTION OF KETTLEMAN LN IN LODI, THENCE 1.6 KM (1.00 MI) EAST ALONG 8-MILE RD, THENCE 0.16 KM (0.10 MI) NORTH ALONG PEARSON RD, FOUR POLES NORTH OF SOUTHERN PACIFIC RAILROAD MILEPOST 98, 10.5 M (34.4 FT) EAST OF THE CENTERLINE OF PEARSON RD, 13.0 M (42.7 FT) (SLOPE DISTANCE) WEST OF THE WEST RAIL OF THE RAILROAD, 2.7 M (8.9 FT) WEST OF THE CENTER OF A TRACK ROAD, 0.9 M (3.0 FT) SW OF TELEPHONE POLE 18-G, 0.30 M (1.0 FT) SOUTH OF A WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THRU A 5-IN LOGO CAP. THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 11.0 METER THE STATION IS 2.4 METERS BELOW THE HEIGHT OF THE RAILROAD. THE STATION IS 0.30 METERS NORTH FROM A SECOND WITNESS POST.

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PID: JS4194 Station Name: HARTE RESET

COS96 ADJUSTED ELEV.= 9.70 Ft., 2.957 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 380328.21457 N }= Longitude: 1212118.12089 W }= Position Type ADJUSTED
Orthometric Height: 2.400 Mts. 8.000 US Ft. Det. By: VERT ANGLE

HISTORY -1974 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: THE STATION IS LOCATED ON THE NORTH SIDE OF 8-MILE RD, 0.15 MI WEST OF ITS JUNCTION WITH THORNTON RD AND IS AIRLINE ABOUT 8 MI NORTH-NORTHWEST OF STOCKTON AND 7 MI SW OF LODI. TO REACH THE STATION FROM THE CITY HALL AT LODI GO SOUTH ON CHURCH ST 1.3 MI TO AN INTERSECTION. TURN RIGHT ONTO STATE HWY 12 (KETTLEMAN LN) AND GO WEST 6.5 MI TO A CROSS ROAD. TURN LEFT ONTO THORNTON RD AND GO SE 4.9 MI TO AN INTERSECTION. TURN RIGHT ONTO 8-MILE RD AND GO WEST 0.15 MI TO THE STATION SITE ON THE RIGHT. THE UNDERGROUND AND SURFACE STATION MARKS ARE NGS HORIZONTAL CONTROL DISKS **STAMPED HARTE 1959 1974**. THE UNDERGROUND MARK IS SET IN THE TOP OF A BLOCK OF CONCRETE IN HARDPAN 3.3 FT BELOW THE SURFACE OF THE GROUND. THE SURFACE MARK IS SET IN THE TOP OF A 12-IN CONCRETE CYLINDER FLUSH WITH THE GROUND AND IS 39.7 FT NORTH OF THE CENTER LINE OF THE ROAD, 17.0 FT WEST OF A TELEPHONE POLE, 6 FT SOUTH OF THE SOUTH EDGE OF A SMALL DITCH, 2.0 FT NORTH OF A METAL WITNESS POST, AND ABOUT 1/2 FT LOWER THAN THE ROAD. **NOTE: CITY OF STOCKTON BM "O"**

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: JS4197 Station Name: BENNETT 2

COS96 ADJUSTED ELEV = 8.41 Ft., 2.563 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 380327.16367 N }= Longitude: 1212105.63759 W }= Position Type ADJUSTED

Orthometric Height: 3.000 Mts. 10.000 US Ft. Det. By: SCALED

.....Station Recovery Information.....

HISTORY -1973 STATION MONUMENTED NATIONAL GEODETIC SURVEY

STATION DESCRIPTION: DESCRIBED BY NATIONAL GEODETIC SURVEY 1974 (CLN)

THE STATION IS LOCATED IN THE NW CORNER OF A CULTIVATED FIELD, IN THE SE QUADRANT OF THE INTERSECTION OF 8-MILE RD AND THORNTON RD, AIRLINE ABOUT 8 MI NORTH-NORTHWEST OF STOCKTON, 7 MI SW OF LODI. TO REACH THE STATION FROM THE CITY HALL AT LODI GO SOUTH ON CHURCH ST 1.3 MI TO AN INTERSECTION. TURN RIGHT ONTO STATE HWY 12 (KETTLEMAN LN) AND GO WEST 6.5 MI TO A CROSSROAD. TURN LEFT ONTO THORNTON RD AND GO SE 4.9 MI TO THE INTERSECTION OF 8-MILE RD AND THE STATION SITE. THE UNDERGROUND AND SURFACE STATION MARKS ARE NGS HORIZONTAL CONTROL DISKS **STAMPED BENNETT 2 1974**. THE UNDERGROUND MARK IS SET IN THE TOP OF A BLOCK OF CONCRETE 4.2 FT BELOW THE SURFACE OF THE GROUND. THE SURFACE MARK IS SET IN THE TOP OF A 12-IN HEAST OF THE INTERSECTION OF THE CENTER LINES OF THORNTON AND 8-MILE ROADS, 69.5 FT EAST OF THE CENTER LINE OF THORNTON RD, 63.8 FT SOUTH OF THE CENTER LINE OF 8-MILE RD, 50.0 FT NE OF A GUYED TELEPHONE-POWER POLE, 13 FT SE OF THE SE EDGE OF A DRAINAGE DITCH, AND ABOUT 4-1/2 FT LOWER THAN THORNTON RD. **NOTE: CITY OF STOCKTON BM "A"**

PID: AE9892 Station Name: 5004 B 1979

COS96 ADJUSTED ELEV.= 14.9 Ft., 4.54 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83(1992) Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN

Latitude: 375907.74756 N }= Longitude: 1212335.50054 W }= Position Type ADJUSTED

Orthometric Height: 5.26 Mts. 17.3 US Ft. Det. By: GPS OBS

STATION MARK IS A TIDAL STATION DISK FASTENED TO A METAL ROD DRIVEN INTO GROUND

HISTORY -1979 STATION MONUMENTED NOS

STATION DESCRIPTION: THE MARK IS **STAMPED: 5004 B 1979**, LOCATED ABOUT 5.5 MI WEST-NORTHWEST FROM STOCKTON ON THE NE SHORE OF ROBERTS ISLAND. TO REACH THE

STATION FROM STATE HWY 4 AND INTERSTATE HWY 5 IN STOCKTON, DRIVE WEST ON HWY. 4 (CHARTER WAY) FOR 5.5 MI. TO THE INTERSECTION OF INLAND DRIVE. TURN RIGHT AND GO NORTH ON INLAND DR. FOR 2.15 MI. TO THE INTERSECTION OF A SIDE ROAD RIGHT, JUST PAST WHERE THE ROAD CURVES WEST (THE ROAD TO THE WEST BECOMES MCDONALD RD). TURN RIGHT ONTO THE CONTINUATION OF INLAND DRIVE AND GO NORTH FOR 1.05 MI. TO THE INTERSECTION OF HOUSE RD. TURN RIGHT AND GO EAST FOR 0.5 MI. TO A LOCKED GATE AND THE INTERSECTION OF A DIRT FARM ROAD LEFT ON THE WEST SIDE OF A DRAINAGE DITCH. TURN LEFT AND GO NORTH FOR 1.1 MI. TO THE LEVEE ROAD ON THE NE SHORE OF ROBERTS ISLAND AND THE SOUTH BANK OF THE SAN JOAQUIN RIVER. TURN RIGHT AND GO EAST FOR 0.1 MI. TO THE STATION ON THE RIGHT. THE STATION IS SET IN A 6-IN DIAMETER PVC PIPE, ABOUT 194 FT. EAST OF A TRANSFORMER POWER POLE, ABOUT 111 FT. NORTH-NORTHEAST OF A TALL POWERLINE RIVER-CROSSING TOWER, 35 FT. SOUTH OF THE CENTERLINE OF THE LEVEE RD. 1 FT. NORTH OF A 2 FT. HIGH WOODEN 4X4 WITNESS POST, 1 FT. SOUTH OF A CARSONITE WITNESS POST.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: AE9895 Station Name: 4867 A 1978

COS96 ADJUSTED ELEV.= 17.74 Ft, 5.407 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83(1992) Vertical Datum : NAVD 88 State: CA County: SAN JOAQUIN
Latitude: 375611.23909 N }= Longitude: 1212005.12919 W }= Position Type ADJUSTED
Orthometric Height: 6.12 Mts. 20.1 US Ft. Det. By: GPS OBS

STATION MARK IS A TIDAL STATION DISK FASTENED TO A METAL ROD DRIVEN INTO GROUND
HISTORY -1979 STATION MONUMENTED NOS

STATION DESCRIPTION:THE MARK IS STAMPED:4867 A 1978, LOCATED ABOUT 2.6 MI WEST OF STOCKTON
ON THE NE CORNER OF ROBERTS ISLAND ON THE WEST BANK OF THE SAN JOAQUIN RIVER JUST SOUTH
OF THE BASCULE RAILROAD DRAWBRIDGE, IN THE NE CORNER OF THE CITY OF STOCKTON TERTIARY
(SEWAGE TREATMENT) PLANT. ACCESS TO THE STATION IS RESTRICTED. CONTACT THE SENIOR CIVIL
ENGINEER FOR THE CITY OF STOCKTON MUNICIPAL UTILITIES DEPARTMENT, PH 209-937-8781, AT 2500
NAVY DR., STOCKTON. TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE HWY. 5 AND
STATE HWY. 4 (CHARTER WAY) IN STOCKTON, DRIVE WEST ON HWY. 4 FOR 2.60 MI. TO THE
INTERSECTION OF JOHN TURK RD, A GATED SIDE ROAD ON THE RIGHT. TURN RIGHT AND GO NORTH ON
JOHN TURK RD. JUST PAST THE GATE TO THE FIRST PERIMETER ROAD TO THE RIGHT, TURN RIGHT AND
GO EAST TO AN ACCESS ROAD TO THE WEST LEVEE ROAD ALONG THE WEST BANK OF THE SAN
JOAQUIN RIVER, JUST NORTH OF THE HWY. 4 BRIDGE. TURN LEFT AND GO NORTH ALONG THE LEVEE RD.
ABOUT 0.38 MI. TO THE STATION. THE STATION IS SET INSIDE A 6-IN DIAMETER PVC PIPE SET IN
CONCRETE FLUSH WITH THE SURFACE OF THE LEVEE BANK, 218.8 FT. SOUTH OF THE SOUTH RAIL OF
THE RAILROAD TRACKS 78.3 FT. SOUTH OF THE EAST GATEPOST OF THE FIRST GATE TO THE NORTH,
ABOUT 10 FT. EAST OF THE CENTERLINE AND ABOUT 2. FT. EAST OF THE EAST EDGE OF THE LEVEE
ROAD, 1 FT SO. OF A CARSONITE WITNESS POST.

PID: COS#376 Station Name: 40B 1907

COS96 ADJUSTED ELEV. =11.61 Ft. 3.539 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 380108.00000 N }= Longitude: 1211922.00000 W }= Position Type SCALED

STATION MARK IS A BENCH MARK DISK STAMPED: 40B 1907 RESET
HISTORY - STATION MONUMENTED US GEOLOGICAL SURVEY DATE UNKNOWN

STATION DESCRIPTION: DESCRIBED BY CITY OF STOCKTON 1982 ABOUT 1.1 MI NORTH ALONG PACIFIC
AVE FROM THE INTERSECTION OF SWAIN RD AT STOCKTON, TO THE INTERSECTION OF THORNTON RD.
AND HAMMER LN., AT THE WEST END OF THE SW ROUND CORNER.NOTE:OLD CITY OF STOCKTON BM "C"

PID: COS#379 Station Name: READY

COS96 ADJUSTED ELEV. = 13.82 Ft, 4.212 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN
Latitude: 375744.00000 N }= Longitude: 1212155.00000 W }= Position Type SCALED

HISTORY -1998 STATION MONUMENTED BY U.S. BUREAU OF RECLAMATION
STATION MARK IS A BENCH MARK DISK STAMPED: READY

STATION DESCRIPTION: AT STOCKTON ON ROUGH AND READY ISLAND, AT THE U.S. NAVAL SUPPLY
ANNEX, 1.6 MI NW OF THE MAIN ENTRANCE, NEAR THE JUNCTION OF 9TH ST AND EMBARCADERO,
APPROXIMATELY 40.0 FT SOUTHEASTERLY FROM BM G 478 AT THE NW END OF THE BOAT WHARF, AT
THE NW END OF BERTH K, SET IN THE CONCRETE WHARF, 77 FT NORTH OF THE NORTH CORNER OF
BUILDING NO. 803, 50 FT SW OF THE NORTH CORNER OF THE WHARF.

U.S. SURVEY MONUMENTS AND DESCRIPTIONS

PID: COS#387 Station Name: POX RM2

COS96 ADJUSTED ELEV.= 22.93 Ft., 6.989 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 (1992) Vertical Datum : NGVD 29 State: CA County: SAN JOAQUIN

Latitude: 375453.50000 N }= Longitude: 1211420.50000 W }= Position Type SCALED

HISTORY -1932 STATION MONUMENTED COAST AND GEODETIC SURVEY

STATION DESCRIPTION: THE REFERENCE MARK 2 IS A STANDARD DISK STAMPED POX NO 2 1932, ABOUT 5 MI SE OF STOCKTON. TO REACH FROM THE JUNCTION OF MARIPOSA RD. AND U.S. HWY 99 GO SOUTH ALONG THE WEST FRONTAGE RD. 1.1 MI TO CARPENTER RD., TURN RIGHT AND GO 0.55 MI TO POCK LN., TURN LEFT, SOUTH, AND FOLLOW POCK LN FOR 0.25 MI TO THE REFERENCE MARK, WHICH IS SET IN A CAST IRON MONUMENT BOX FLUSH WITH THE PAVEMENT, 7.9 FT WEST OF THE EAST FACE OF CURB, 83.92 FT SOUTH OF THE STATION MARK POX, AND APPROXIMATELY 100 FT NORTH OF A BRIDGE OVER A CREEK.

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PID: COS#384 Station Name: USE CA61

COS96 ADJUSTED ELEV.= 36.84 Ft., 11.229 Mts.

STATION MONUMENTED BY U.S. ARMY CORPS OF ENGINEERS

STATION DESCRIPTION: THE STATION MARK IS A BRASS DISK STAMPED CA61 BM 1960, SET IN A CONCRETE PILLAR FLUSH WITH THE GROUND. TO REACH FROM THE JUNCTION OF 8-MILE RD. AND U.S. HWY 99, GO WEST FROM THE WEST FRONTAGE RD. APPROXIMATELY 1000 FT. THE STATION MARK IS SOUTH OF A DITCH SOUTH OF THE SOUTH EDGE OF PAVEMENT.

=====

PID: COS#1005 Station Name: D9 OFFSET

COS96 ADJUSTED ELEV.= DESTROYED

COS #1009 Station Name: SJ220

COS96 ADJUSTED ELEV.=13.3 Ft., 4.054 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83 Vertical Datum: NGVD29 State: CA County: SAN JOAQUIN

Latitude: 375706.0400 N }= Longitude: 1211937.9800 W }= Position Type CALCULATED

STATION MARK IS A BENCH MARK DISK STAMPED: SJ-220 1984

HISTORY - STATION MONUMENTED BY US ARMY CORPS OF ENGINEERS

STATION DESCRIPTION: AT THE PORT OF STOCKTON, 150 FT NE OF WHARF BLDG. NO. 9, 6.5 FT SOUTH OF NORTH EDGE OF CONCRETE DECK OF WHARF, 89.2 FT NW OF WINCH METAL POLE.

=====

PID: COS #1017 Station Name: SJ373

COS96 ADJUSTED ELEV.=13.17 Ft., 4.014 Mts.

NOTE: THE FOLLOWING IS FOR INFORMATION PURPOSES ONLY

Horizontal Datum: NAD 83(1991) Vertical Datum: NGVDF 29 State: CA County: SAN JOAQUIN

Latitude: 375712.0021 Longitude: 1212048.1371 Position ADJ

STATION MARK IS A 2.25 IN DIAMETER IRON PIPE IN ALUMINUM MONUMENT BOX STAMPED: SJ-373

HISTORY - STATION MONUMENTED BY THE US ARMY CORPS OF ENGINEERS DATE UNKNOWN

STATION DESCRIPTION: AT ROUGH AND READY ISLAND, US NAVAL COMMUNICATION STATION AT STOCKTON, 100 FT. EAST OF BLDG. 12, OFF HOOPER DR. AND EMBARCADERO ST. INTERSECTION, 23.3 FT EAST OF POWER POLE BETWEEN CHAIN LINK FENCE AND PAVED ROAD TO BOAT RAMP.

COS Benchmark Elevations & Descriptions

NGVD29 Datum

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
1	11.48	3.499	Brass disk marking San Joaquin County Bench Mark stamped "X-17" on top to the west end of the box culvert on the north side of 8-Mile Rd, +/- 150 ft east of Thornton Rd.
2	13.74	4.188	San Joaquin County brass disk in monument box marking the north one-quarter (1/4) corner of Section 5, Township 2 North, Range 6 East, COS Monument No. 1N-11, Eight Mile Rd.
3	14.01	4.270	Brass disk marking San Joaquin County Bench Mark stamped "WX-17" on top of a concrete cylinder on the south side of 8-Mile Rd at the north one-quarter (1/4) corner of Section 5, Township 2 North, Range 6 East.
4	17.49	5.331	San Joaquin County brass disk in monument box marking the NE corner of Section 5, Township 2 North, Range 6 East COS Monument No. 1N-10, 8-Mile and Davis Roads. ERM 277
5	15.96	4.865	San Joaquin County brass disk in monument box marking the east one-quarter (1/4) corner of Section 5, Township 2 North, Range 6 East, COS Monument No. 1N-9, Davis Road.
6	--	--	DESTROYED
7	13.73	4.185	San Joaquin County brass disk in monument box marking the east one-quarter (1/4) corner of Section 8, Township 2 North, Range 6 East, COS Monument No. 1N-7, Davis and Wagner Heights Roads. ERM 275
8	14.43	4.398	San Joaquin County brass disk in monument box marking the east one-quarter (1/4) corner of Section 8, Township 2 North, Range 6 East, COS Monument No. 1N-6, Thornton and Davis Roads.
9	12.74	3.883	Top dome of the fire hydrant at the NE corner of Thornton Rd and Encino Ave.
10	12.81	3.905	Brass disk marking COS Monument stamped "1N-5" in monument box in traffic island at the intersection of Thornton Rd and Rivera Rd.
11	10.91	3.325	Chiseled "L" on the west side of the island between Pacific Ave and its east Frontage Rd, +/- 20 ft north of Lincoln Rd.
12	11.02	3.359	Brass disk marking COS Monument stamped "1N-4" in monument box on the east side of Pacific Ave at the approx centerline of Benjamin Holt Dr.
13	10.60	3.231	Brass disk marking COS Monument stamped "1N-3" in monument box on the east side of Pacific Ave at the approx centerline of Swain Rd.
14	10.35	3.155	Brass disk marking COS Monument stamped "1N-2" in monument box on the east side of Pacific Ave at the approx centerline of Yokuts Rd.
15*	11.60	3.536	Brass disk marking COS Monument stamped "1N-1" in monument box on the east side of Pacific Ave near the approx south line of March Ln. *RESET 9/97
16*	13.31	4.057	E.B.M.U.D. brass disk on top of their maintenance hole structure on the west side of El Dorado St near the center of their right-of-way, COS Monument 1S-1. *REVISED 3/00
17*	29.72	9.059	Brass disk marking COS Monument stamped "1S-2" in the center island of El Dorado St bridge over the Calaveras River. *REVISED 3/00
18	16.55	5.044	Brass disk marking COS Monument stamped "1S-3A" in monument box on the north side of Ingram St along the approx center of Sutter St projected northerly.
19	11.17	3.405	Brass disk marking COS Monument stamped "1S-4" in monument box at the intersection of the approx centerline of Alpine Ave and Sutter St north.
20	12.86	3.920	Brass disk marking COS Monument stamped "1S-5" in monument box on the east side of Sutter St and the north side of Wyandotte St.
21	13.06	3.981	Brass disk marking COS Monument stamped "1S-6" in monument box on the north side of Wyandotte St and the approx centerline of San Joaquin St projected northerly.
22	11.45	3.490	Brass disk marking COS Monument stamped "1S-7" in monument box at the intersection of the approx centerline of San Joaquin St north with the north side of Harding Way.
23	11.14	3.395	Brass disk marking COS Monument stamped "1S-8" in monument box at the intersection of the approx centerline of San Joaquin St south with the north side of Harding Way.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
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Bench Mark	Elev. Ft.	Elev. Meter	Description
24	9.71	2.960	Brass disk marking COS Monument stamped "2S-2" in monument box in the traffic island at the NW corner of Pacific Ave and Harding Way.
25	9.52	2.902	Brass disk marking COS Monument stamped "2S-1" in monument box in the crosswalk on the east side of Pacific Ave at the approx centerline of Wyandotte St.
26*	9.90	3.018	Brass disk marking COS Monument stamped "1S-9" in monument box at the intersection of the approx centerlines of San Joaquin and Oak sts. *RESET 1984
27*	13.46	4.103	"R" in Corey on the top of the fire hydrant at the SW corner of Weber Ave and San Joaquin St. *REVISED 3/00
28*	12.17	3.709	Brass disk marking COS Monument stamped "1S-10" in monument box at the intersection of the approx centerlines of San Joaquin St and Sonora St. * RESET 1985
29*	12.06	3.676	Brass disk marking COS Monument stamped "1S-11" in monument box at the intersection of the approx centerlines of San Joaquin and Clay Streets. *RESET 1985
30	12.08	3.682	Brass disk marking COS Monument stamped "1S-12" in monument box on the west side of San Joaquin St, +/- 100 ft south of Seventh St.
31	10.59	3.228	Brass disk marking COS Monument stamped "1S-13" in monument box +/- 100 ft north of the intersection of realigned Eighth and El Dorado Streets.
32	11.04	3.365	Top dome fire hydrant at the SW corner of Eighth and Monroe Streets.
33	11.73	3.575	Brass disk marking COS Monument stamped "1SN-14" in monument box on the south side of Eighth St and the west side of the I-5 over-crossing, approximately 90 ft west of the center traffic island.
34	---	---	DESTROYED
35	12.17	3.709	Brass disk marking COS Monument stamped "2N-1" RCE 60 in monument box located +/- 11.3 feet north of traffic island of Hammer Lane east of Lower Sacramento Road.
36	12.97	3.953	Brass disk marking COS Monument stamped "2N-2" RCE 60 in monument box located at the NE corner of Hammer Ln and El Dorado Street +/- 23.5 feet south of centerline wheelchair ramp.
37	21.40	6.523	Brass disk marking COS Monument stamped "2N-3" in monument box on the north side of Hammer Ln +/- 25 ft east of the W.P.R.R. tracks. ERM 300
38	19.21	5.855	Brass disk marking COS Monument stamped "2N-4" in monument box at the NW corner of Hammer and West Lns.
39	18.49	5.636	Brass disk marking COS Monument stamped "2N-5" in monument box at the intersection of the centerline of Hammertown Dr with the west edge of traveled way of West Ln.
40	18.16	5.535	Brass disk marking COS Monument stamped "2N-6" in monument box at the intersection of the centerline of Swain Rd with the traveled way of West Ln.
41	18.01	5.489	Brass disk marking COS Monument stamped "2N-7" in monument box on the south side of the E.B.M.U.D. right-of-way along the west edge of paving of West Ln.
42	16.66	5.078	E.B.M.U.D. Brass disk on top of their manhole structure at Station P1692+20.58, north of March Ln COS Monument No. 2N-8.
43*	17.64	5.377	Brass disk marking COS Monument stamped "2N-9" at the SW corner of West and March lanes. *REVISED 3/00
44*	17.93	5.465	Brass disk marking COS Monument stamped "2N-10" in monument box on the west side of West Ln at the approx centerline of Bianchi Rd. ERM 244. *REVISED 3/00
45	28.53	8.696	Brass disk marking COS Monument stamped "2N-11" in monument box in the traffic island in the center of West Ln at the SE corner of the southbound bridge over the Calaveras River.
46*	17.63	5.374	Brass disk marking COS Traverse Control Monument stamped "2N-12" in monument box at the NW corner of West Ln and Alpine Ave. *REVISED 3/00
47	26.29	8.013	Cut " □ " west side concrete base of the sign of East Washington Market, 4043 E. Washington St. (TBM 17-ESSSP)
48	27.49	8.379	20 penny spike in east side of pine tree on NW return of Oro Ave and Horner Ave. (TBM 21-ESSSP)

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
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Bench Mark	Elev. Ft.	Elev. Meter	Description
49	---	---	DESTROYED
50	24.54	7.480	Cut " □ " at back of walk 7' north of the south property line of 525 Garden Ave., west side of street. (TBM 26-ESSSP)
51	22.38	6.821	Cut " □ " at back of walk, midpoint of lot at 3425 Lafayette St., east side of street. (TBM 29-ESSSP)
52	20.64	6.291	Cut " □ " on top of curb at midpoint of return of NW corner of Lafayette St. and Golden Gate Ave. (TBM 32-ESSSP)
53	---	---	DESTROYED
	---	---	DESTROYED
	---	---	DESTROYED
56	22.01	6.709	NW bolt on electrolier base at NW property corner of Shell Station on south side of Fremont St. and Filbert St. (TBM 44-ESSSP)
57	19.19	5.849	Cut " □ " on top of curb at east Ret. of NE corner of Fremont St. and "E" St., north side of street. (TBM 47-ESSSP)
58*	18.51	5.642	Cut " □ " on top of curb of east ER of the NE return of Fremont ST. and Laurel St., north side of street. (TBM 50-ESSSP) *RESET 7/92
59	18.05	5.502	Cut " □ " on top of curb north side of Flora St. and easterly back of walk of Laurel St. (TBM 54-ESSSP)
60	17.36	5.291	Cut " □ " on top of curb midpoint of NE return of Poplar St. and "D" St., east side of street. (TBM 56-ESSSP)
61*	17.41	5.307	Cut " □ " on top of curb midpoint of SE return of Waterloo Rd. and "D" St. (TBM 62-ESSSP)*REVISED 04/03
62	---	---	DESTROYED
63	20.87	6.361	Cut " □ " on top of curb at easterly ER of SE return of Waterloo Rd. and Filbert Ave., south side of street. (TBM 68-ESSSP)
64	22.32	6.803	Cut " □ " on top of curb 55' east of the easterly ER of Waterloo Rd. and Rhode Island Ave., south side of street. (TBM 70-ESSSP)
65	---	---	DESTROYED
66*	25.54	7.785	Cut " □ " on top of curb ECR of the SE return of Waterloo Rd. and Report Ave., south side of street. (TBM 74-ESSSP) *REVISED 3/00
67	25.87	7.885	Cut " □ " south side base of ECONO gas sign at Sinclair Ave. and Washington St., north side of street. (TBM 96-ESSSP)
68	28.47	8.678	Cut " □ " on top of curb west boundary parking area at 4926 Washington St., south side of street. (TBM 100-ESSSP)
69	29.93	9.123	Cut " □ " SE corner of drain inlet at NE corner of Cardinal Ave. and Washington St., north side of street. (TBM 106-ESSSP)
70	31.06	9.467	Cut " □ " NW corner of concrete walk at 5674 Washington St., end of street on south side. (TBM 109-ESSSP)
71	27.00	8.230	Cut " □ " on top of curb midpoint NW return of S. Oro Ave. and Section Ave. (TBM 117-ESSSP)
72	28.44	8.669	Cut " □ " on NW corner of gas pump islands at SE corner of Section Ave. and Adelbert Ave. (TBM 118-ESSSP)
73	26.26	8.004	Cut " □ " on top of curb at midpoint of SE return of Adelbert Ave. and Fourth St., east side of street. (TBM 121-ESSSP)
74	27.69	8.440	Cut " □ " on top of curb midpoint of SE return at Adelbert Ave. and Sixth St., east side of street. (TBM 123-ESSSP)
75A*	28.55	8.702	Cut " □ " on top of curb at NE corner box culvert at Adelbert Ave. and State Hwy. 4, west side of street. *RELOCATED&REVISED 3/00
76	16.20	4.938	Cut " □ " on sidewalk 1' north of power pole on line with east face of building, 504 Wilson Way, north side of Fremont St. (TBM 130-ESSSP)

**COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
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Bench Mark	Elev. Ft.	Elev. Meter	Description
77	15.72	4.791	Cut " □ " on top of curb at drain inlet at northerly ER of the NW return, west side of Wilson Way and Park Ave. (TBM 132-ESSSP)
78	16.65	5.075	Cut " □ " on top of curb opposite property line 901-911 Wilson Way, west side of street. (TBM 135-ESSSP)
79	18.37	5.599	NE bolt RR signal at Waterloo Rd. and Roosevelt St., south side of street. (TBM 137-ESSSP)
80	---	---	DESTROYED
81	22.39	6.824	Cut " □ " on top of curb +/- 8.0 feet east of the west curb return SW corner of Fremont St. and Shasta Ave.
82*	17.30	5.273	Cut " □ " on top of curb north ER of the NW return of Sanguinetti Ln. and Bishop St. (TBM 160-ESSSP) *REVISED 04/03
83	17.63	5.374	Cut " □ " on top of curb at north ER of the NW return of Sanguinetti Ln. and Webb St. (TBM 162-ESSSP) *REVISED 04/03
84	17.82	5.432	Cut " □ " on top of curb at north ER of the NW return of Sanguinetti Ln. and Jersey St. (TBM 164-ESSSP) *REVISED 04/03
85	18.20	5.547	Cut " □ " on top of curb at north ER of the NW return of Sanguinetti Ln. and Wilson Way. (TBM 167-ESSSP)
86	----	----	DESTROYED
87	21.38	6.517	Cut " □ " on top of curb at midpoint of NE return of Sanguinetti Ln. and Stadium Dr. (TBM 172-ESSSP)
88	21.08	6.425	20 penny spike on NW side of 24" Modesto ash at SE return of Robindale Ave. and Belvedere Ave. (TBM 175-ESSSP)
89*	21.12	6.437	20 penny spike in power pole at east ER of the SE return of Robindale Ave. and Filbert St. (TBM 178-ESSSP). *RESET 1991
90	23.70	7.224	20 penny spike on east side of power pole at 2951 Belle Ave., west side of street. (TBM 181-ESSSP)
91	15.13	4.612	Cut " □ " on top of curb at midpoint of NW return of Sierra Nevada St. and Miner Ave., west side of street. (TBM 184-ESSSP)
92	16.03	4.886	Cut " □ " on top of curb at midpoint of the SW return of Sierra Nevada St. and Weber Ave. (TBM 186-ESSSP)
93	14.30	4.359	Cut " □ " on top of curb west ER of the SW return of Sierra Nevada St. and Washington St. (TBM 189-ESSSP)
94	15.97	4.868	Cut " □ " on top of curb at midpoint of NW return of Sierra Nevada St. and Church St. (TBM 192-ESSSP)
95	14.86	4.529	Cut " □ " on top of curb at midpoint of the NE return of Church St. and Pilgrim St. (TBM 194-ESSSP)
96	14.72	4.487	Cut " □ " on top of curb at east ER of the NE return of Church St. and Aurora St. (TBM 197-ESSSP)
97	13.57	4.136	Cut " □ " on top of curb at midpoint of SE return of Church St. and Stanislaus St. (TBM 199-ESSSP)
98	12.64	3.853	Cut " □ " on top of curb at midpoint of NE return of Church St. and California St. (TBM 201-ESSSP)
99*	---	---	Cut " □ " on top of curb at east ER of the NE return of Church St. and San Joaquin St. (TBM 203-ESSSP) *Not Found
100*	---	---	Cut " □ " on top of curb at midpoint of NW return of Church St. and El Dorado St. (TBM 205-ESSSP) *Not Found
101	---	---	DESTROYED
102	7.56	2.304	Cut " □ " at end of curb at SE return of Church St. and Lincoln St. (TBM 211-ESSSP)
103*	6.73	2.051	Cut " □ " on top of curb at end of curb at NW corner of S. Stockton St. and W. Church St., north side Church St. (TBM 215-ESSSP) *REVISED 3/00
104	6.00	1.829	Cut " □ " on top of curb at east ER of the SE return of Church St. and Orange St. (TBM 218-ESSSP)

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
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Bench Mark	Elev. Ft.	Elev. Meter	Description
105	4.99	1.521	20 penny spike in power pole +/- 135 feet east of intersection of Scotts Ave. and Modesto Ave., south side of street. (TBM 223-ESSSP)
106	-1.49	-0.454	City " □ " on top of curb 5' east of centerline support RR bridge on Fresno Ave., south side of Scotts Ave. (TBM 226-ESSSP)
107	-2.51	-0.765	Cut " □ " on top of curb at south ER of the NE return of the RR over-crossing at Navy Dr. and Santa Fe Railroad. (TBM 241-ESSSP)
108	22.46	6.846	Found " □ " on top of curb +/- 27 feet west of the east property line of 3307 E. Marsh St. (TBM 248-ESSSP)
109	20.84	6.352	Cut " □ " on top of curb at midpoint of NW return of March St. and Olympic Cir. (TBM 251-ESSSP)
110*	21.07	6.422	Cut " □ " on top of curb at north ER of the NW return of Marsh St. and Filbert Ave. (TBM 255-ESSSP) *REVISED 3/00
111*	22.41	6.831	Cut " □ " on top of planter wall 54' west of the NE corner of the Fair Oak Library, south side of Main St. (TBM 258-ESSSP) *REVISED 3/00
112*	19.13	5.831	Cut " □ " on top of curb at east ER of the NE return at March St. and Court St. (TBM 261-ESSSP) *REVISED 3/00
113*	18.84	5.742	Cut " □ " on top of curb at midpoint of SW return of Marsh St. and Laurel St. (TBM 264-ESSSP) *REVISED 3/00
114*	16.67	5.081	Cut " □ " on top of curb at east ER of the NE return of Marsh St. and Locust St. (TBM 268-ESSSP) *REVISED 3/00
115*	16.58	5.054	Cut " □ " on top of curb at west ER of the SW return of Sonora St., and Eugenia St. (TBM 271-ESSSP) *REVISED 3/00
116	13.40	4.084	Top 3/4" I. pin in monument box at the intersection of the centerline of Mosswood Ave with the west line of El Dorado St.
117	13.23	4.033	Brass disk marking COS Monument stamped "3S-1" in monument box at the approx intersection of the centerlines of Ivy Ave. and El Dorado St.
118	14.12	4.304	Top dome of the fire hydrant at the NW corner of Wait Ave. and El Dorado St.
119	18.03	5.496	Brass disk marking COS Monument stamped "3S-2" in monument box on the west side of McKinley Ave. at the approx centerline of Industrial Dr, east of the Western Pacific R.R. R/W, extended westerly.
120	18.24	5.560	Brass disk marking COS Monument stamped "3S-3" in monument box on the east side of McKinley Ave at the approx centerline of Sperry Rd (west of railroad crossing).
121	17.30	5.273	Brass disk marking San Joaquin County bench mark stamped "ST-27.8" on top of a concrete cylinder on the north side of Sperry Rd 6' west of a power pole, +/- 300' west of the west fence of the Johns-Manville Plant.
122*	20.41	6.221	Top of the most easterly concrete filled guard post on the east side of the main entrance to the J-M plant. *REVISED 3/00
123*	21.07	6.422	Brass disk marking COS Monument stamped "3S-5" in monument box in the center of the intersection of Sperry Rd and Airport Way *REVISED 3/00.
124*	22.20	6.767	"R" in "Corey", at top of fire hydrant on the west side of Airport Way at the SE corner of the Mohawk Rubber plant. *REVISED 3/00
125*	19.64	5.986	Brass disk marking COS Monument staked "3S-4" in the center of the intersection of Airport Way and Industrial Dr. *REVISED 3/00
126	---	---	DESTROYED
127*	15.07	4.593	Set chis. square on the south end of the SW wing wall of the Producers Dr bridge over Little John Creek (north side of Industrial Dr). *REVISED 3/00
128*	20.74	6.322	Brass disk marking COS Monument stamped "3S-6" in monument box in the centerline of Arch-Airport Rd at the end of curve. *REVISED 3/00
129*	23.51	7.166	Brass disk marking San Joaquin County bench mark stamped "SR-27.3" on top a concrete cylinder on the south side of Arch-Airport Rd 20' west of double gate onto Airport property. *REVISED 3/00

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130*	24.81	7.562	Brass disk marking COS Monument stamped "3S-7" in monument box in the centerline of Arch-Airport Rd at the beginning of a 1809.34' radius curve. *REVISED 3/00
131	27.43	8.361	Brass disk marking San Joaquin County bench mark stamped "RQ-27.3" on top a concrete cylinder on the south side of Arch-Airport Rd, 10' west of an underground gas line sign, 1' south of fence.
132	36.48	11.119	Brass disk marking COS Monument stamped "3S-8" in monument box on the centerline of Arch-Airport Rd 130' east of centerline South 99 Frontage Rd.
133	---	---	DESTROYED
134	29.62	9.028	Brass disk marking COS Monument stamped "3S-9" in monument box on the west side of South 99 Frontage Rd at North Little John Creek.
135*	30.28	9.229	Brass disk marking COS Monument stamped "4N-1" in monument box on the south side of McAllen Rd 15' west of the S.P.R.R. tracks *REVISED 3/00.
136	24.68	7.522	Brass disk marking COS Monument stamped "4N-2" cemented in 4" pipe, 10' W. of S.P.R.R. tracks, 3,500' north along R.R. tracks from 4N-1.
137*	24.81	7.562	Brass disk marking COS Monument stamped "4N-4" in monument box on the south side of Hammer Ln approxly 200' W. of the S.P.R.R. tracks. *RESET
138	22.06	6.724	Top 3/4" I. pin in monument well, centerline Lorraine Ave. and N. side Hammer Ln.
139	20.35	6.203	Cut "□" in top of curb east end of round corner NE corner Hammer Ln and Montauban Dr.
140	21.81	6.648	Brass disk marking COS Monument stamped "4N-6" in concrete bridge deck of southbound West Ln bridge over Mosher Slough. ERM 242
141*	23.42	7.138	Brass disk marking San Joaquin County bench mark stamped "U-18.3" on top a curb, south nose of north traffic island, Morada and West lanes. *RESET 5/4/89
142	21.03	6.410	Brass disk marking COS Monument stamped "4N-7" in monument box on the west side of West Ln at the approx south line of Morada Ln. ERM 241
143	24.84	7.571	Cut "□" top of curb south side of Morada Ln, +/- 145' W. of Cherbourg Way.
144	26.78	8.163	Cut "□" in middle of sidewalk +/- 32' feet west of SW corner Fox Creek and Morada Ln.
145	29.88	9.107	Brass disk marking COS Monument stamped "4N-5" in monument box on south side of Morada Ln approximately 200' west of the S.P.R.R. tracks. ERM 239
146	---	---	DESTROYED
147	28.54	8.699	Brass disk marking COS Monument stamped "4N-8" in monument box on the west side of the West Ln bridge over Bear Creek at the south end of the bridge.
148*	29.94	9.126	Brass disk marking COS Monument stamped "4N-9" in concrete pillar on the south side of levee road on the south bank of Bear Creek approximately 1,600' west along levee road of West Ln. *RESET 9/97
149	25.33	7.721	Brass disk marking San Joaquin County bench mark stamped "V-18.5" on top SW corner of the W.P.R.R. bridge over Bear Creek.
150	24.47	7.458	Brass disk marking COS Monument stamped "4N-10" in monument box on the center of Wakefield Rd (private) at the west R/W line of the W.P.R.R.
151	23.39	7.129	Brass disk marking San Joaquin County bench mark stamped "W-18.4" on top of concrete bridge deck at the NW corner of the Lower Sacramento Rd bridge over Bear Creek.
152*	24.39	7.434	Brass disk marking COS Monument stamped "4N-11" in top concrete cylinder in approx center South Bear Creek levee on 1/4 Section Line. *RESET 2/00
153	---	---	DESTROYED
154	---	---	DESTROYED
155	---	---	DESTROYED
156*	15.21	4.636	Brass disk marking COS Monument stamped "4N-12" in monument box on the east side of Thornton Rd at the SE corner of the Thornton Rd bridge over Bear Creek. *RESET 4/94
157	7.92	2.414	Brass disk marking COS Monument stamped "4N-13" on top of concrete cylinder on the centerline of the lower levee of Bear Creek on the approx centerline of the west Frontage Road for I-5 extended northerly.

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Bench Mark	Elev. Ft.	Elev. Meter	Description
158	10.68	3.255	Brass disk marking COS Monument stamped "4N-14" in monument box at the approx centerline of the west I-5 Frontage Rd. +/- 150' south of Mosher Slough.
159*	5.91	1.801	Brass disk marking COS Monument stamped "4N-15" in sidewalk on the east side of Mariners Drive +/- 1,150' N. of Hammer Ln. *RESET 7/93
160	2.07	0.631	Brass disk marking COS Monument stamped "4N-16" in monument box at a point 40' south of the intersection of the centerlines of Mariners Dr and Hammer Ln.
161	2.18	0.664	Cut " " top of curb, west side of I-5 overpass, north side of Hammer Ln.
162	5.06	1.542	Brass disk marking COS Monument stamped "4N-17" in monument box at the approx intersection of the center of Meadow Ave. with the south line of Hammer Ln.
163	8.06	2.457	Brass disk marking COS Monument stamped "4N-18" in monument box on the south side of Hammer Ln in the west crosswalk at Alexandria Pl.
164*	13.77	4.197	Brass disk marking COS Monument stamped "5S-1" in monument box at the intersection of the approx centerlines of Oak and Union sts. *RESET 12/89
165	12.90	3.932	Brass disk marking COS Monument stamped "5S-2" in monument box at the intersection of the approx centerlines of Union and Fremont sts.
166*	19.04	5.803	Brass disk marking COS Monument stamped "5S-3" in monument box on the south side of Fremont St 20 ft west of the Central California Traction railroad track. *RESET 9/92
167*	18.61	5.672	Brass disk marking COS Monument stamped "5S-4" in monument box on the south side of Fremont St at the approx centerline of Gratten St. *RESET 9/92
168*	21.01	6.404	Brass disk marking COS Monument stamped "5S-5" in monument box at the intersection of approx centerline of Fremont St with the easterly right-of-way line of Filbert St. *RESET 7/93
169	21.27	6.483	Brass disk marking COS Monument stamped "5S-6" in monument box on the west side of Filbert St 5 ft south of the south rail of the Southern Pacific Railroad track.
170*	21.60	6.584	Brass disk marking COS Monument stamped "5S-7" in monument box at the intersection of approx centerlines of Filbert and Main sts. *REVISED 3/00
171*	24.12	7.352	Brass disk marking COS Monument stamped "5S-8" in monument box at the intersection approx centerlines of Main St and David Ave. *REVISED 3/00
172	24.23	7.385	Brass disk marking COS Monument stamped "5S-9" in monument box on the approx centerline of David Ave approximately 41 ft north of the center dividing line of Charter Way.
173*	---	---	Iron pin with plastic cap stamped with RCE#14269, reset per Record of Survey Book 33 Page 142 for COS Monument "5S-10A" on the north side top of embankment of Charter Way underpass, approximately 30 ft west of the westerly track of AT & SF RR . *Re-set 1996
174	19.16	5.840	Brass disk marking COS Monument stamped "5S-11" in monument box on the south side of Charter Way approximately 20 ft north of the south right-of-way fence.
175	22.50	6.858	Brass disk marking COS Monument stamped "5S-12" in monument box in traffic control island at the south side of Charter Way at Mariposa Rd.
176	24.19	7.373	Brass disk marking COS Monument stamped "5S-13" in monument box on the north side of Mariposa Rd at the approx centerline of Silva St.
177*	26.40	8.047	Brass disk marking COS Monument stamped "5S-14" in monument box on the north side of Mariposa Rd approximately 300 ft east of the Frontage Rd entrance. *REVISED 3/00
178*	27.14	8.272	Brass disk marking COS Monument stamped "5S-15" in monument box on the west side of 99 Frontage Rd at Duck Creek. *REVISED 3/00
179*	25.86	7.882	Brass disk marking COS Monument stamped "5S-16" in monument box on the west side of 99 Frontage Rd on the extension of Carpenter Rd centerline. *REVISED 3/00
180	16.67	5.081	Brass disk marking COS Monument stamped "5S-17" in monument box on the west side of Airport Way at the extension of Ralph Ave centerline.
181	19.67	5.995	Brass disk marking COS Monument stamped "5S-18" in monument box at the beginning of curve in the center divider of Airport Way approximately 180 ft north of Duck Creek.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
182	15.77	4.807	Brass disk marking COS Monument stamped "5S-19" in monument box on the west side of Airport Way on the extension of Eighth St centerline.
183	16.55	5.044	Brass disk marking COS Monument stamped "5S-20" in monument box on the west side of Airport Way at the intersection of approx centerline of Clay St.
184	11.44	3.487	Brass disk marking COS Monument stamped "5S-21" in monument box at the intersection of approx centerlines of French Camp Turnpike and Clay St.
185	10.41	3.173	Brass disk marking COS Monument stamped "5S-22" in monument box on the north side of Charter Way on the approx centerline of French Camp Turnpike.
186	14.45	4.404	Caltrans brass disk No. RM 90 in the center divider of Charter Way west of I-5.
187	4.11	1.253	Brass disk marking COS Monument stamped "5S-23" in monument box at the intersection of approx centerline of Charter Way and the centerline of Fresno Ave.
188*	4.70	1.433	Brass disk marking COS Monument stamped "5S-24" in monument box at the centerline intersection of Fresno Ave and Eighth St. *RESET 7/91
189*	28.54	8.699	Brass disk marking COS Monument stamped "6S-1" in monument box 5.2' north of the centerline of the wooden bridge over the Diverting Canal at the north end of Sanguinetti Ln. *REVISED 3/00
190*	35.89	10.939	Brass disk marking COS Monument stamped "6S-2" in centerline of the painted traffic island at the midpoint of the Wilson Way bridge over the Diverting Canal. *REVISED 3/00
191*	29.77	9.074	Brass disk marking COS Monument stamped "6S-3" in monument box on the centerline of the paved driveway for the north levee road of the Diverting Canal on the easterly side of Cherokee Ln. *REVISED 04/03
192	33.03	10.068	Brass disk marking COS Monument stamped "6S-4" in monument box +/- 3.0' northeasterly of the northeasterly corner of the Waterloo Rd bridge over the Diverting Canal.
193*	38.39	11.701	Brass disk marking COS Monument stamped "6S-5" in concrete pillar 4.0' NE of the SE headwall of the S.T. & E. Railroad bridge over the Diverting Canal. *RESET 2/00
194A*	40.88	12.460	Brass disk marking COS Monument stamped "6S-6A" in north concrete sidewalk 20 ft. east of west end of the Fremont St (Hwy. 26) bridge over the Diverting Canal. *Relocated 7/93
195*	42.95	13.091	Brass disk marking COS Monument stamped "6S-7" in concrete pillar +/- 2.0' east of SE headwall of the S.P.T. Co. bridge over the Diverting Canal and +/- 9.3' south of the south rail, 8.4' to the NE corner of south bridge deck also +/- 26.37' from cut "L" on the SE corner of the NE headwall. *RESET 2/00
196*	37.10	11.308	Brass disk marking COS Monument stamped "6S-8" in monument box +/- 125' south of the S.P.T. Co. tracks, between the A.C. berm and fog line on the west side of Cardinal Ave. *REVISED 3/00
197	28.19	8.592	Brass disk marking COS Monument stamped "6S-9" in 3" diameter pipe 5' south of the south rail of the SP.T. Co. tracks on the centerline of paving of Gertrude Ave projected northerly.
198	---	---	DESTROYED
199	45.64	13.911	Brass disk marking COS Control Monument stamped "6S-11" in concrete bridge deck +/- 2' west of the easterly end of the bridge deck at the southeasterly corner of the Main St bridge over the Diverting Canal.
200	33.42	10.186	Brass disk marking COS Monument stamped "6S-12" in monument box at the intersection of centerlines of Cardinal and Main Streets.
201	---	---	DESTROYED
	---	---	DESTROYED
203A*	28.87	8.800	Chis. "□" on top of curb north side at west end Main St overpass over State Route 99. *Re-located 1995 *REVISED 3/00
204*	21.72	6.620	Brass disk marking COS Monument stamped "6S-14" in monument box near the intersection of centerline of Airport Way and C.E. Dixon Dr. *REVISED 3/00

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
205*	23.56	7.181	Brass disk marking COS Monument stamped "6S-15" in concrete pillar +/- 100' south of the north end and in the center of the A.C. paved traffic island in the center of Airport Way, south of Stimson St. *REVISED 3/00
206*	24.96	7.608	Brass disk marking COS Monument stamped "6S-16" in concrete bridge deck 2' south of the north end of the concrete bridge deck at the NE corner of the Airport Way bridge over South Fork Little John Creek. *REVISED 3/00
207*	23.41	7.135	Brass disk marking COS Monument stamped "6S-17" in monument box at the intersection of centerlines of Airport Way and French Camp Rd. *REVISED 3/00
208*	19.06	5.809	Brass disk marking COS Monument stamped "6S-18" in monument box +/- 6' north of the fog line on the north side of French Camp Rd at the centerline of the driveway at 835 E. French Camp Rd. *REVISED 3/00
209	21.38	6.517	Brass disk marking COS Monument stamped "6S-19" in monument box +/- 30' easterly of the W.P.R.R. Co. tracks between the A.C. berm and fog line on the southerly side of French Camp Rd.
210*	16.23	4.947	Brass disk marking COS Monument stamped "6S-20" in monument box at the intersection of centerline of Ponderosa St with the southerly traveled way of French Camp Rd. *REVISED 04/03
211	17.73	5.404	Brass disk marking COS Monument stamped "6S-21" in the SW corner of the concrete traffic light base in the traffic island at the NE corner of El Dorado St and French Camp Rd.
212	15.36	4.682	Brass disk marking COS Monument stamped "6S-22" in monument box between the fog line and the A.C. berm on the easterly side of El Dorado St at the approx north back (on the west side of El Dorado) of North Fork Little John Creek.
213	16.20	4.938	Brass disk marking COS Monument stamped "6S-23" in concrete pillar +/- 50' south of the north end and +/- 7' east of the west side of the largest A.C. paved traffic island at the Clayton-El Dorado-McKinley intersection.
214	6.51	1.984	Brass disk marking COS Monument stamped "7N-1" in monument box at west end of Hammer Ln.
215*	11.80	3.597	Brass disk marking COS Monument stamped "7N-2" in monument box on the north side levee of 5 Mile Sough, 19' east of the City limits line *RESET 1/90
216	-2.23	-0.680	Top 3/4" iron pin in monument box, centerline of Cumberland PI and 5-Mile Dr. COS "7N-3"
217	-2.64	-0.805	Top 3/4" iron pin in monument box, centerline of Cumberland PI at the beginning of curve 571 ft north of Benjamin Holt Dr. COS "7N-4"
218	-2.78	-0.847	Top 3/4" iron pin in monument box, centerline of Cumberland PI and Benjamin Holt Dr. COS "7N-5"
219	-2.97	-0.905	Top 3/4" iron pin in monument box, centerline of Cumberland PI and South Monitor Cir. COS "7N-6"
220	-2.70	-0.823	Top 3/4" iron pin in monument box, centerline of Cumberland PI and Meade Dr. COS "7N-7"
221*	9.28	2.829	Brass disk marking COS Monument stamped "7N-8" in monument box on the north bank of 14-Mile Slough on top of the levee 40 ft west of the west line of WILDWOOD, Maps and Plats Vol. 26, Pg. 49. *REVISED 3/00
222*	11.34	3.456	Brass disk marking COS Monument stamped "7N-9" in monument box on the south bank of 14-Mile Slough on top of levee 40 ft west of the west right-of-way fence of I-5 *REVISED 3/00
223	-0.42	-0.128	Brass disk marking COS Monument stamped "7N-10" in monument box 853 ft north of the end of improvements of Feather River Dr, 10.7 ft west of the west right-of-way fence of Interstate 5.
224A*	-0.47	-0.143	Top 3/4" iron pin in monument box, centerline of Feather River Dr at the beginning of curve. COS "7N-11" *Relocated 1996

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
225	-0.74	-0.226	Brass disk marking City of Stockton Traverse Control Monument stamped "7N-12" in monument box on Feather River Drive at the NE corner of Brookside West Unit 2, 12 ft east of the west face of curb.
226*	-1.44	-0.439	Top 3/4" iron pin in monument box at intersection of centerline of Feather River Drive and south right-of-way line of March Ln .COS "7N-13" *RESET 11/91
227	-1.23	-0.375	Top 3/4" iron pin in monument box at centerline of Feather River Drive and Winding River Circle south. COS "7N-14"
228	0.22	0.067	Top 3/4" iron pin in monument box at intersection of centerline of Feather River Dr and south right-of-way line of E.B.M.U.D. COS "7N-15"
229	14.22	4.334	Brass disk marking COS force main with witness post stamped Force Main 5, 2 ft west, on top of levee on north bank of Calaveras River, 103 ft west of the I-5 bridge. COS "7N-16"
230	15.74	4.798	Brass disk marking City of Stockton Traverse Control Monument stamped "7N-17" on top of the levee on the south bank of the Calaveras River 99 ft west of I-5 bridge.
231	-1.43	-0.436	Brass disk marking Caltrans reference monument stamped 1639L at SE corner of Ryde Ave. and Alpine Ave. COS "8S-2"
232	1.96	0.597	Chiseled cross in sidewalk west side of DaVinci Dr. 7 ft south of north right-of-way line of E.B.M.U.D. COS "7N-18"
233	3.53	1.076	Brass disk marking E.B.M.U.D. Station P1819+02.27 on top of concrete structure 40 ft north of north face of curb of Hilton Hotel's west parking lot.
234	5.59	1.704	Brass disk marking E.B.M.U.D. Station P1794+63.54 on top of concrete structure 1.5 ft west of the E.B.M.U.D. barricade at Grouse Run.
235*	9.50	2.896	Brass disk marking E.B.M.U.D. Station P1769+72.82 on top of concrete structure 270 ft east of Pershing Ave. *RESET 1991
236	9.26	2.822	Chiseled cross on top of curb south side of March Ln at west curb return of entrance to Greek Orthodox Church. COS "7N-19"
237*	8.33	2.539	Brass disk marking COS Monument stamped "7S-1" in monument box at intersection of Oak St. and Lincoln St. * RESET 7/93
238	7.39	2.252	Brass disk marking COS Monument stamped "7S-2" in monument box in center divider at intersection of Oak St. and Pershing Ave.
239*	10.61	3.234	Brass disk marking Caltrans reference monument stamped 1 in center divider at the intersection of Fremont St. and Pershing Ave. * RESET 7/93
240	7.43	2.265	Brass disk marking Caltrans reference monument stamped 23 at north end of traffic channelization island at exit of I-5 and Fremont St.
241	14.05	4.282	Brass disk marking COS Monument stamped "7S-3" in monument box on north bank levee of turning basin.
242*	4.10	1.250	Brass disk marking COS Monument stamped "7S-4" in monument box at intersection of Harbor St. and Fresno Ave. * RESET 10/01
243*	5.39	1.643	Brass disk marking COS Monument stamped "7S-5" in monument box at intersection of Washington St. and Fresno Ave. * RESET 10/01
244	0.43	0.131	Brass disk marking COS Monument stamped "7S-6" in monument box at intersection of Scotts St. and Fresno Ave.
245	3.84	1.170	Brass disk marking COS Monument stamped "7S-7" in monument box on east side of Fresno Ave. 636 ft north of centerline of Navy Dr.
246	3.27	0.997	Top 3/4" iron pin in monument box at centerline of Navy Dr. and Fresno Ave. COS "7S-8"
	---	---	DESTROYED
248	-0.39	-0.119	Brass disk marking Caltrans reference monument stamped 1627L at SE corner of Michigan Ave. and Ryde Ave. COS "8S-3"
249*	0.11	0.034	Brass disk marking Caltrans reference monument stamped 1618L at NE corner of Country Club Blvd. and Ryde Ave. COS "8S-4" *REVISED 3/00
250A*	---	---	Concrete nail, set as shown on Record Survey Book 33 Page 142, west of face of curb at NW corner of Safeway store on Fontana St. COS "8S-TP1". *Re-located 1996

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
251*	15.77	4.807	Chiseled "+" in walkway on north bank Smiths Canal, approx., 20 ft north of center line of walkway to the east. COS "8S-6" **REVISED 3/00
252	12.51	3.813	Brass disk marking COS Monument stamped "8S-7" in monument box on south bank of Smiths Canal, 36 ft west of I-5 bridge. *REVISED 3/00
253	2.39	0.728	Brass disk marking COS Monument stamped "8S-8" in monument box on approx. centerline of Ryde Ave. and 10 ft south of centerline of Fremont St.
254	0.87	0.265	Brass disk marking COS Monument stamped "8S-9" in monument box, 14 ft north of centerline of Fremont St., near B.C. to east, opposite 2168 W. Fremont St.
255	2.13	0.649	Brass disk reference monument stamped Fremont + Carlton at NE corner of Fremont St. and Carlton Ave. COS "8S-10"
256	4.27	1.302	Chiseled "+" over hole in top of curb on north side of Fremont St. and approx. centerline of San Juan Ave. to the south. COS "8S-11"
257	3.94	1.201	Brass disk reference monument stamped Fremont + Buena Vista at the NE corner of Fremont St and Buena Vista Ave. COS "85-12"
258*	3.92	1.195	Brass disk stamped "8S-13" in monument box 20 feet south of centerline of Country Club Blvd, between the body shop and car wash "8S-13". *REVISED 04/03
259	3.32	1.012	Brass disk marking COS Monument stamped "8S-14" in monument box, approx. centerlines of Country Club Blvd. and Mission Rd.
260	4.71	1.436	Brass disk marking COS Monument stamped "8S-15" in monument box, approx. centerline of Country Club Blvd. in the east crosswalk of Pershing Ave.
261	5.99	1.826	Brass disk marking COS Monument stamped "8S-16" in monument box in traffic island at the SW corner of Alpine Ave. and Pershing Ave.
262	7.39	2.252	Chiseled "+" in top of curb in center of return at SW corner of Princeton Ave. and Pershing Ave. COS "8S-17"
263	21.21	6.465	Brass disk marking U.S. & G.S. reference monument stamped "Pacific" on south bank of Calaveras River on the east side of Pershing Ave. COS "8S-18"
264	15.06	4.590	Chiseled "+" on sidewalk on east side of Pershing Ave, 90 ft north of bridge by "No Parking" sign. COS "8S-19"
265	7.79	2.374	Chiseled "+" on sidewalk on east side of Pershing Ave, south of March Ln, on E.B.M.U.D. COS "8S-20"
266*	19.73	6.014	Brass disk marking COS Monument in monument box on south side of French Camp Rd at approx. b.c. of French Camp Rd to the west. *No stamp or punch mark RESET
267	16.83	5.130	3/4" iron pin in monument box on centerline of Val Dervin Pkwy at French Camp Rd. COS "8S-22"
268	14.28	4.353	Brass disk marking Caltrans reference monument stamped 17FCTR on west side of I-5 and French Camp Rd. COS "8S-23"
269	19.09	5.819	Brass disk marking COS Monument stamped "8S-24" in monument on approx. centerline of Manthey Rd north of Wolfe Rd.
270	17.36	5.291	Brass disk marking COS Monument stamped "8S-25" in monument box 15 ft west of approx. centerline of Manthey Rd and 75 ft north of road to east crossing drainage ditch.
271*	19.34	5.895	Brass disk marking COS Monument stamped "8S-28" in monument box at approx. intersection of Downing Ave. and Manthey Rd. * RESET 8/96
272	18.15	5.532	Brass disk marking COS Monument stamped "8S-29" in monument box at approx. centerline of Manthey Rd south of Walker Slough.
273	10.69	3.258	Brass disk marking COS Monument stamped "8S-30" in monument box at approx. intersection of Houston Ave. and Manthey Rd.
274	7.66	2.335	Brass disk marking COS Monument stamped "8S-31" in monument box at approx. intersection of Chicago Ave. projected to east and Manthey Rd.
275	12.31	3.752	A chiseled "+" marking the COS Monument number 9N-1, 3 ft west and 2 ft south of the NE corner of bridge #29C-84 over Pixley Slough on the west Frontage Rd of I-5.
276*	5.05	1.539	Brass disk marking COS Monument stamped "9N-2" in monument box on centerline of west Frontage Rd of I-5 approx. 1,830 ft south of 8-Mile Rd. * RESET 5/91

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
277*	4.58	1.396	Brass disk marking COS Monument stamped "9N-3" in monument box at intersection of 8-Mile Rd and on-off ramps on west side of I-5. *RESET 2/00
278	8.21	2.502	Top of iron pin in monument box in San Joaquin County monument box marking the COS Monument number 9N-4 approx. 3,400 ft east of I-5 on centerline of 8-Mile Rd.
279	---	---	DESTROYED
280	12.30	3.749	San Joaquin County bolt and washer marking the COS Monument number 9N-6 on centerline of Thornton Rd approx. 2,775 ft south of 8-Mile Rd.
281	---	---	DESTROYED
282	23.70	7.224	Brass disk marking COS monument stamped "9N-8," 3 ft south of San Joaquin County Bench Mark number VW-17 in NW corner of the bridge over Pixley Slough on 8-Mile Rd.
283	---	---	DESTROYED
284	22.06	6.724	Brass disk marking COS Monument stamped "9N-10" in monument box on easterly edge of pavement of Lower Sacramento Rd approx. 2,770 ft southwesterly of 8-Mile Rd.
285	25.74	7.846	Punch mark, marking the COS Monument number "9N-11", on top of middle one of three vertical guard posts (old RR rails) protecting crossing signal for southbound traffic of Lower Sacramento Rd on north side of WPRR tracks, 49 ft south of Bench Mark No. 286.
286	19.53	5.953	San Joaquin County brass disk stamped "V17.7" on concrete slab (CON gasoline box) on west side of Lower Sacramento Rd approx. 67 ft north of WPRR crossing, 49 ft north of Bench Mark No. 285.
287	24.92	7.596	San Joaquin County brass disk stamped "UV-17" on north end of headwall on south side of 8-Mile Rd approx. 10 ft east of mail box #804, +/- 0.2 mi. east of Lower Sacramento Rd.
288	---	---	DESTROYED
289	28.71	8.751	San Joaquin County brass disk stamped "UT-17" on south side of 8-Mile Rd, +/- 0.2 east of West Ln approx. 275 ft west of house number 2061.
290	29.83	9.092	Top or iron pin and washer in San Joaquin County monument box marking the City of Stockton Traverse Control Monument number 9N-13 at intersection of 8-Mile Rd at Ham Ln.
291	37.20	11.339	Brass disk marking City of Stockton Traverse Control Monument stamped "9N-14" in monument box on south side of 8-Mile Rd, 1 ft north of A.C. berm, 26 ft west of west rail of SPRR. ERM 282
292	---	---	DESTROYED
293	35.30	10.759	Top of iron pin and washer in San Joaquin County monument box marking COS monument number 9N-16 at intersection of 8-Mile Rd at Micke Grove Rd.
294	43.82	13.356	Brass disk marking COS Monument stamped "9N-17" in the NE corner of traffic median in the SE quadrant of 8-Mile Rd and the west Frontage Rd of Hwy. 99.
295	37.68	11.485	Chiseled "+" marking the COS monument number 9N-18, on top of the east curb of the west Frontage Rd (Hwy. 99) approx. 1,530 ft south of 8-Mile Rd.
296	35.00	10.668	Brass disk marking COS Monument stamped "9N-19" in monument box, two ft west of east curb of the west Frontage Rd (Hwy. 99) at the approx. centerline of Waller Rd.
297	39.41	12.012	Brass disk marking COS stamped "9N-20" in north end of the concrete walkway on east side of west Frontage Rd (Hwy. 99) bridge over Mosher Creek.
298	34.26	10.442	A chiseled "+" marking COS Monument number 9N-21, on top of east curb of west Frontage Rd (Hwy. 99) 3 ft west of a double-guyed power pole, approx. 925 ft north of Morada Ln.
299	36.95	11.262	Brass disk marking COS Monument stamped "9N-22" at south end of the SE one of three traffic median islands at intersection of Morada Ln at Hwy.99 west Frontage Rd.
300	34.11	10.397	A chiseled "+" marking COS Monument number 9N-23, on top of east curb of west Frontage Rd (Hwy. 99), approx. 875 ft south of Morada Ln.
301	32.05	9.769	Brass disk marking COS Monument stamped "9N-24" in monument box, 4 ft east of west edge of pavement of west Frontage Rd (Hwy. 99) at approx. north line of EBMUD right-of-way.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
302	32.04	9.766	A chiseled "+" marking the COS Monument number 9N-25 on top of east curb of west Frontage Rd (Hwy. 99) near north E.C., north of Hammer Ln approx. 11 ft north of north end of a guard rail.
303	34.77	10.598	Brass disk marking COS Monument stamped "9N-26" on north side of Hammer Ln, 2 ft south of A.C. berm, approx. 70 ft east of centerline of west Frontage Rd of Hwy. 99.
304	25.88	7.888	Brass disk marking COS Monument stamped "9N-27" at centerline of Holman Rd at south right-of-way line of Hammer Ln.
305*	2.27	0.692	Brass disk in monument box marking COS monument stamped "10S-1" on north side of Washington St near entrance to Port of Stockton main offices. *REVISED 03/02
306	5.87	1.789	Brass disk in monument box marking COS monument stamped "10S-2" on west side of traffic island at Navy Dr. and Washington St.
307	16.20	4.938	Brass disk marking COS monument stamped "10S-3" +/- 15 ft south of centerline of A.T.S.F. RR track at west end of the Navy Dr. underpass.
308	17.97	5.477	Brass disk marking COS monument stamped "10S-4" on east bank of San Joaquin River at south property line of Wastewater Treatment Facility.
309	15.60	4.755	Brass disk marking COS monument stamped "10S-5" at west end of 8th St. extended to the east levee of San Joaquin River.
310*	19.51	5.947	Brass disk marking COS monument stamped "10S-6" on the east levee of San Joaquin River and on the north levee of French Camp Slough. *REVISED 03/01
311	2.68	0.817	Brass disk in monument box marking COS monument stamped "10S-7" west of entrance to Van Buskirk Golf Course on Houston Ave.
312*	19.12	5.828	Brass disk marking COS monument stamped "10S-8" on the east levee of San Joaquin River, 3,100 ft south of intersection of French Camp Slough. *REVISED 3/00
313*	20.47	6.239	Brass disk marking COS monument stamped "10S-9 RESET 05/03" on the east levee of San Joaquin River west of Weston Ranch Pump Station. *RESET 05/03
314*	19.70	6.005	Brass disk marking COS monument stamped "10S-10" on east side of the east levee of San Joaquin River on westerly extension of Wolfe Rd. *REVISED 3/00
315*	3.84	1.170	Brass disk marking COS monument stamped "10S-11" in monument box located near centerline of French Camp Road +/-25.9 feet south of face of curb and +/- 1584 feet west of McAllen Road. * RESET 02/02
316*	8.65	2.637	Brass disk in monument box marking COS monument stamped "10S-12" at intersection of centerline of Wolfe Rd east and south. * RESET 03/02
317*	11.23	3.423	Brass disk in monument box marking COS monument stamped "10S-13" at intersection of centerline of Wolfe Rd north and west. * RESET 1995
318*	9.67	2.947	Brass disk in monument box marking COS monument stamped "10S-14" at intersection of centerline of Wolfe Rd east and south. * RESET 1995
319*	27.97	8.525	Brass disk marking COS monument stamped "11S-1" in monument box on north side of Mariposa Rd on west side of Hwy 99 northbound on-ramp. *REVISED 3/00
320*	29.52	8.998	This elevation is on top of the guardrail 2.46' higher than and immediately above the brass disk marking San Joaquin County bench mark stamped "QR-25.5" at northwesterly corner of Bridge No. 1309 on Mariposa Rd crossing Duck Creek. *REVISED 3/00
321	30.85	9.403	Brass disk marking San Joaquin County bench mark stamped "QP-25.9" at NW corner of Bridge No. 1314 on Mariposa Rd at Carpenter Rd.
322	34.28	10.449	Brass disk marking COS monument stamped "11S-2" in monument box on north side of Mariposa Rd within PG&E high-voltage transmission line right-of-way crossing Mariposa Rd approx. 1,600 ft SE of Carpenter Rd.
323	38.65	11.781	Brass disk marking San Joaquin County bench mark stamped "OP-26.7" on the northerly side of Mariposa Rd approx. 3,867 ft NW of Austin Rd.
324	41.70	12.710	Brass disk marking COS monument stamped "11S-3" in monument box on northerly side of Mariposa Rd approx. 3,067 ft NW of Austin Rd.
325	43.12	13.143	Brass disk marking San Joaquin County bench mark stamped "OP-27" in the NW corner of Bridge No. 1319 on Mariposa Rd approx. 1,984 ft NW of Austin Rd.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
326	47.29	14.414	Brass disk marking COS stamped "11S-4" on south line of Mariposa Rd and east line of Austin Rd at section corner.
327	43.54	13.271	Brass disk marking San Joaquin County bench mark stamped "0-27.4" at the NW corner of Bridge No. 1047 on Austin Rd approx. 580 ft north of Arch Rd.
328	42.82	13.052	Brass disk marking COS monument stamped "11S-5" in monument box at intersection of east shoulder of pavement of Austin Rd and Arch Rd at one-fourth (1/4) corner.
329	36.18	11.028	Brass disk marking COS monument stamped "11S-6" in monument box at centerline of intersection of Arch Rd and Newcastle Rd one-fourth (1/4) corner.
330	34.15	10.409	Brass disk marking San Joaquin County bench mark stamped "QP-27.5A" at the NW corner of Bridge No. 1935 on Arch Rd, 3,900 ft east of south Hwy 99 east frontage rd.
331	32.63	9.946	Brass disk marking San Joaquin County bench mark stamped "QP-27.5B" in a concrete cylinder on the south side of Arch Rd approx. 2,547 ft east of south Hwy 99 east frontage rd at driveway to '4310' Arch Rd.
332	31.65	9.647	The top of a 3/4" iron pin in monument box marking the centerline of Arch Rd and Hwy 99 east frontage rd.
333	47.20	14.387	Brass disk marking COS monument stamped "11S-7" in monument box on northerly side of the Arch Rd overpass over State Hwy Rt. 99 on east side of State Hwy Rt. 99.
334	30.01	9.147	Brass disk marking COS monument stamped "11S-12" in monument box on the west side of State Hwy Rt. 99 south frontage rd opposite the entrance to San Joaquin County Sports Complex.
335	29.48	8.986	Brass disk marking COS monument stamped "11S-11" in monument box on west side of State Hwy Rt. 99 south frontage rd at SE corner of the Stockton Metropolitan Airport.
336	32.49	9.903	Brass bolt and washer in monument box marking the corner common to Sections 3 and 4, of Township 1 South, Range 7 East, and Sections 33 and 34, Township 1 North, Range 7 East, Mount Diablo Base and Meridian, at the south end of Newcastle Rd.
337	41.47	12.640	Brass disk marking City of Stockton traverse control monument stamped "11S-9" in monument box in the centerline of Austin Rd at a point marking the SE corner of Section 34, Township 1 North, Range 7 East, Mount Diablo Base and Meridian.
338	43.74	13.332	Brass disk marking San Joaquin County bench mark stamped "0-28.6" in the NW corner of Bridge No. 1049 on Austin Rd crossing the north branch of Little Johns Creek.
339	41.60	12.680	Brass disk marking COS monument stamped "11S-8" in monument box in centerline of Austin Rd at a point marking the NE corner of Section 34, Township 1 North, range 7 East, Mount Diablo Base and Meridian.
340	6.86	2.091	5/8" aluminum rod driven to refusal with 2-1/2" diameter aluminum cap stamped "CORP"; "L.S. 4334," in an aluminum monument box with screw locking cover in the COS corporation yard, 1465 S. Lincoln St. The point is located 30 ft south of approx. center of the truck wash structure. Contact the City of Stockton Surveys Section for access.
341	26.63	8.117	5/8" aluminum rod driven to refusal with 2-1/2" diameter aluminum cap stamped "Well 26"; "L.S. 4334," in an aluminum monument box with screw locking cover; Bench Mark is located within the locked City of Stockton Well Site No. 26, on south side of Hammer Ln, on the west side of the EBMUD right-of-way. The point lies in center of paved area east of well building. Contact the City of Stockton Surveys Section for access.
342	38.84	11.838	ERM 223 is a railroad spike 1.7 ft above the ground located in a J.P. on the SE corner of Main St. and Gillis Rd 1.8 mi. east along Main St. from Hwy 99 in east Stockton. The J.P. is 18 ft west from centerline of Gillis Rd and 100 ft from the centerline of Main St.
343	32.08	9.778	ERM 224 is a railroad spike 1.3 ft above the ground in J.P. No. 15833 located at NW corner of Main St. and Walker Ln heading north 1.0 mi. east along Main St. from Hwy 99 in east Stockton. The J.P. is 22 ft west of centerline of Walker and 55 ft north of centerline of Main.
344*	26.53	8.086	ERM 226 is a railroad spike 1.7 ft above the ground in J.P. No. 71623 on SE corner of Horner and Anteros in east Stockton. *REVISED 3/00

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
345	25.14	7.663	ERM 227 is a 4-in. boat spike 1 ft above ground in J.P. No. 22041 on north side of driveway to house number 130 Anteros on NE corner of Anteros and unnamed street 0.19 mi. north of Washington St. in east Stockton.
346	25.57	7.794	ERM 228 is a 1/2-in drill hole in southerly end of headwall at SW corner of Fremont St. (State Hwy 26) and Lillian Ave., 1000 ft east along Fremont St. from Hwy 99 in east Stockton.
347	42.16	12.850	ERM 229 is a brass disk with no stamping on top of the concrete wall at the southwesterly end of the state Hwy 26 bridge over the Stockton Diverting Canal, 0.6 MI east along Hwy 26 from Hwy 99 in east Stockton.
348	33.75	10.287	ERM 231 is a railroad spike in the asphalt in the centerline of Beyer Ln 50 ft southerly of the centerline of the S.T. & E. Railroad tracks, at the entrance to the O.G. Packing Co. at 2097 Beyer Ln, 0.9 mi north of the intersection of Beyer Ln and State Hwy 26, located 1.2 mi easterly along State Hwy 26 from Hwy 99 in east Stockton.
349	38.18	11.637	ERM 232 is a railroad spike 1.5 ft above ground in a power pole at SW corner of Beyer Ln and Waterloo Rd (State Hwy 88). The intersection is located 1.1 mi. NE along Waterloo Rd from Hwy 99 in east Stockton.
350	37.35	11.384	ERM 233 is a San Joaquin County BM (brass disk stamped QR-20.4) set in concrete post 0.5 ft above ground on southerly side of Cherokee Rd approx. 65 ft NE of Wilmarth Rd, 2 ft west of J.P. No. 10-1, NE along Cherokee Rd 1.3 mi. from Hwy 99 east of Stockton.
351	46.25	14.097	ERM 234 is a 1-1/2-in. brass disk stamped R.E. 9338 on westerly side of center of Ashley Ln Bridge over Calaveras River 0.48 mi. north of intersection of Ashley Ln and Cherokee Rd which is located 2.2 mi. northeasterly along Cherokee Rd from Hwy 99 east of Stockton.
352	44.84	13.667	ERM 235 is a railroad spike 1.1 ft above ground in a J.P. on northeasterly side of Foppiano Ln at Solari Ranch Rd located 1.3 mi. easterly along Foppiano Ln from Hwy 99 Frontage Rd on the east side of Hwy 99 east of Stockton.
353	37.09	11.305	ERM 236 is a San Joaquin County BM (brass disk stamped K 19.2 1977) set in concrete post 0.5 ft above ground at southwesterly corner of Foppiano Ln and Oneto Rd, 60 ft east of the C.C.T. Railroad tracks and 4 ft west of telephone pole, located 0.8 mi. easterly along Foppiano Ln from Hwy 99 Frontage Rd on east side of Hwy 99 east of Stockton.
354	32.45	9.891	ERM 237 is a San Joaquin County BM (brass disk stamped S - 19.3 1977) set in a headwall with a 36-in diameter pipe and gate valve on the west side of the Highway Frontage Road on the east side of Hwy 99 on the approx extension of the centerline of Foppiano Ln east of Stockton.
355	34.73	10.586	ERM 238 is a railroad spike 2.3 ft above the ground in power pole 3-2 at the northeasterly corner of Morada Ln and Hwy 99 Frontage Road on the west side of Hwy 99 NE of Stockton.
356	22.93	6.989	ERM 240 is the SW bolt (with a chiseled "X") on traffic signal base at NE corner of Morada Ln and West Ln in north Stockton.
357	18.58	5.663	ERM 243 is a 3/4-in rebar in a monument well located on the centerline of Access St at the back of walk extended on the west side of West Ln southerly along West Ln 1.05 mi from Hammer Ln in north Stockton.
358*	15.29	4.660	ERM 245 is a brass disk stamped R.C.E. 8189 set in concrete in monument well of the centerline--centerline intersection of 2 yet unnamed streets in a new subdivision east of West Ln in north Stockton named Bonaire Estates. From West Ln northbound, 0.20 mi. north of centerline of bridge over Calaveras River, turn east and proceed 0.13 mi to a "T" intersection and ERM 244. *REVISED 3/00
359	31.80	9.693	ERM 246 is a San Joaquin County BM (brass disk with no designation) set in NW corner of bridge deck of McAllen Rd bridge over Calaveras River located westerly along McAllen 0.46 mi from N. Wilson Way at the beginning of River Rd in NE Stockton.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
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Bench Mark	Elev. Ft.	Elev. Meter	Description
360*	28.52	8.693	ERM 247 is the southeasterly bolt (with a chiseled "X") on an electrolier/traffic signal base at the northwesterly corner of McAllen Rd and N. Wilson Way in NE Stockton. *REVISED 4/03
361	27.85	8.489	ERM 248 is the southeasterly bolt (with a chiseled "X") on the electrolier base on the south side of Cherokee Rd at the on-ramp to Hwy 99 southbound from Cherokee Rd eastbound in NE Stockton.
362	---	---	DESTROYED
363	27.08	8.254	ERM 250 is the "0" in "open" on the top of fire hydrant number 2299 (blue tag) on west side of Broadway 0.23 mi. south of Waterloo Rd on property line extended between 1705 and 1755 Broadway in NE Stockton.
364	7.05	2.149	ERM 268 is located in north Stockton. To reach from intersection of Pacific Ave. and Benjamin Holt Dr. in north Stockton, go west on Benjamin Holt Dr. for 0.75 mi. to Harrisburg Pl. continue west on Benjamin Holt Dr. approx. 400 ft to station on the right. ERM 268 is the highest point on the letter "R" in "Corey" which is part of casting on top of a fire hydrant. The casting reads "Corey Rensselear" The station is located between house numbers 1925 and 1937 Benjamin Holt Dr.
365	0.35	0.107	ERM 269 is located in NW Stockton near the SW corner of Swenson Park. To reach from the northbound exit to Benjamin Holt Drive from Interstate 5 in north Stockton, go east on Benjamin Holt Drive approximately 300 ft to Plymouth Rd. Turn left on Plymouth and continue 100 ft to the station in the centerline of Plymouth Rd. The station is a 5/8-in rebar in a monument casting.
366	1.97	0.600	ERM 270 is located in NW Stockton. To reach from the northbound exit from I-5 to Benjamin Holt Dr., go east on Benjamin Holt Dr. 300 ft more or less to Plymouth Rd. Turn left and go north on Plymouth Rd 0.65 mi. to bridge over 5-Mile Creek. Continue on Plymouth Rd 300 ft more or less to the "T" intersection of Kelly Dr. Turn left on Kelly Dr. and go 300 ft more or less to Kelly Cir. on the left. ERM 270 is a 3/4-in rebar in a monument casting at the centerline intersection of Kelly Dr. and Kelly Cir.
367	3.16	0.963	ERM 271 is located in NW Stockton. To reach from the northbound exit to Hammer Ln from I-5, go east on Hammer Ln 400 ft more or less to Kelly Dr. Turn left on Kelly Dr. and go 0.15 mi. to Wentworth Dr. on the right. The station is a 3/4-in rebar in a monument casting located at centerline intersection of Kelly Dr. and Wentworth Dr.
368	3.84	1.170	ERM 272 is located in NW Stockton. To reach from northbound exit to Hammer Ln from I-5, go east on Hammer Ln 400 ft more or less to Kelly Dr. Turn left on Kelly Dr. and go 0.20 mi. to Beaufort Dr. Turn right on Beaufort and go 0.10 mi. to Yarmouth Drive. Turn left on Yarmouth and continue 0.25 mi. to West Creek Dr. and the station. The station is a 1-in. iron pipe in a monument casting located in centerline intersection of Yarmouth Dr. and West Creek Dr.
369	7.57	2.307	ERM 273 is located in NW Stockton. To reach from intersection of Hammer Ln and Thornton Rd in north Stockton, go west on Hammer Ln for 1.10 mi. to Don Ave. Turn right on Don Ave. and continue 0.40 mi. to Portola Ave. and the station. The station is a 1-in. iron pipe in a monument casting. It is located in centerline and between cross walk stripes of Portola Ave. on the east side of Don Ave.
370	12.60	3.840	ERM 274 is located in NW Stockton. To reach from intersection of Hammer Ln and Thornton Rd in north Stockton, go north NW on Thornton Rd 1.0 mi. to Waudman Ave. Turn right and continue on Waudman Ave. 0.21 mi. to the station in road centerline. The station is a 5/8-in. rebar in a monument casting 300 ft more or less south of Wagner Heights Rd. The station is located opposite house number 1649 Waudman Ave.
371	25.81	7.867	ERM 278 is located north of Stockton. To reach from the northbound exit to 8-Mile Rd from I-5, go east on 8-Mile Rd 2.55 mi. to Western Pacific Railroad crossing and station on the right. The station is a chiseled square on the SE corner of the railroad signal and traffic bar footing. It is on the south side of 8-Mile Rd and west of the railroad tracks.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
372	24.75	7.544	ERM 279 is located north of Stockton. To reach from the northbound exit to 8-Mile Rd from I-5, go east on 8-Mile Rd 3.35 mi. to Lower Sacramento Rd (Hwy J10) and the station. The station is located 0.80 mi. west of West Ln (Hwy J3) on Lower Sacramento Rd. The station is a San Joaquin County brass disk stamped "VU-17". It is located in north end of west headwall of a culvert under Lower Sacramento Rd and is 50 ft more or less south of 8-Mile Rd.
373	28.52	8.693	ERM 280 is located north of Stockton. The station is located at the intersection of 8-Mile Rd and West Ln (Hwy J3). To reach the station from the centerline of the 8-Mile Rd overpass on Hwy 99, go west on 8-Mile Rd 2.0 mi to West Ln. The station is located in the NW corner of the intersection. It is a San Joaquin County brass disk, stamped "U-17", cemented in the west end of the north headwall of a box culvert under 8-Mile Rd.
374	35.17	10.720	ERM 283 is located north of Stockton and south of Lodi. The station is 1.5 mi south of the entrance to Micke Grove County Park. To reach the station from the centerline of the 8-Mile Rd overpass on Hwy 99, go west on 8-Mile Rd 0.47 mi. to culvert and the station on the right. The station is located 210 ft east of intersection with Micke Grove Rd, in west end of north headwall of culvert under 8-Mile Rd. It is a San Joaquin County brass disk stamped "TS-17".
375	13.97	4.258	ERM 301 is located in north Stockton. To reach from Pacific Ave. and Benjamin Holt Dr. in north Stockton, go east on Benjamin Holt Dr. for 0.20 mi. to the station on the left. The station is located in the NE corner of Benjamin Holt Dr. and Inglewood Ave. across from Humphreys College. ERM 301 is the highest point on the letter "F" in "Pacific States", cast in the top of a fire hydrant.
377	10.77	3.283	Brass disk marking Caltrans reference monument stamped LAF 6R in sidewalk on south side of Lafayette St. between Madison St. and Lincoln St.
378	11.78	3.591	Brass disk marking Caltrans reference monument stamped LINC 7L in concrete walk on the West side of the Lincoln St. bridge over Mormon Slough.
379*	13.84	4.218	At Stockton on Rough and Ready Island, at the U.S. Naval Supply Annex, 1.6 miles northwest of the main entrance, near the junction of 9 th Street and Embarcadero, approximately 40 feet southeasterly from BM G 478 at the northwest end of the boat wharf, at the northwest end of Berth K, set in the concrete wharf, 77 feet north of the north corner of building NO. 803, 50 feet southwest of the north corner of the wharf. The Monument is Stamped "READY".
380*	17.15	5.227	Railroad spike in power pole at NE corner of Harland Rd. and Ash St. in French Camp, west of Southern Pacific Railroad tracks. *REVISED 4/03
381*	14.34	4.371	Brass disk marking SJCO BM TU29.0 at NE corner of Manthey Rd. and Mathews Rd. *REVISED 4/03
382	27.80	8.473	Chiseled square on top of curb at SW corner of Main St. and Oro Ave. at West end of curb.
383	34.80	10.607	Brass disk marking Caltrans monument PM18.14 on south side of the Main St. bridge over U.S. Hwy 99.
385	27.63	8.422	Brass disk marking Caltrans monument SANTA FE RM1 set in concrete pillar north of drainage ditch 25 ft north of edge of pavement of Farmington Rd. west of the BN&SF railroad tracks, 45 ft east of centerline of Stagecoach Rd.
386*	22.83	6.595	Found San Joaquin County Bolt and Washer. Set standard brass cap stamped 14S-27 marking COS in cast iron monument box at intersection of Carpenter Rd and Pock Ln. *REVISED 4/03
388	-3.87	-1.180	Chiseled square on top of curb at west curb return of NW corner of March Ln. and Brookside Rd.
389	-3.82	-1.164	North shoulder of fire hydrant at SW corner of March Ln. and St. Andrews Dr.
390	-5.45	-1.661	SW bolt for traffic signal light at NE corner of March Ln. and Riverbrook Drive.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
391	13.53	4.124	North shoulder of fire hydrant on south side of Buckley Cove Way, west of entrance to the levee road.
392	7.12	2.170	"R" of Corey on fire hydrant on west side of Pershing Ave. south of Harding Way.
393	22.17	6.757	Chiseled square on the top of curb on west side of Pacific Ave. south of the bridge over Calaveras River at entrance to the levee road.
394	12.62	3.847	Chiseled square on the top of curb at the west curb return at the SW corner of El Dorado St. and Swain Rd.
395	43.57	13.280	Brass disk marking SJCO BM 019.6 on the NW corner of bridge for Solari Ranch Rd. over Calaveras River.
396*	22.23	6.998	Brass disk marking COS monument in monument well stamped "14N-6", LS 6670 located at Hammer and Lorraine approximately 50 feet west of railroad tracks and 50 feet east of a pump station.
397*	14.74	4.493	Brass disk marking COS stamped "14N-5" in monument well, in sidewalk located north of Hammer Ln west of Grade Separation at Union Pacific Railroad.
398*	11.83	3.606	Disk in monument well stamped "14N-4" COS located on west side of Thornton Rd south of A.G. Spanos Blvd.
399*	2.35	0.716	Brass disk stamped COS "14N-7", LS 6670 located at north side of Benjamin Holt approximately 100 feet west of Alexandria Place.
400*	5.31	1.618	Brass disk marking COS monument stamped "14N-8" in monument box at centerline intersection of Benjamin Holt Drive and Harrisberg.
401*	7.10	2.164	Brass disk marking COS monument stamped "14N-9" in monument box +/- 5.5 feet SE of south curb return NW corner of Benjamin Holt Drive and Pershing Avenue.
402*	28.25	8.611	Disk stamped COS "14S-2", LS 6670 located at the NE corner of McAllen Rd and Wilson Way.
403*	26.97	8.220	Brass disk in monument well stamped "14S-3", LS 6670 located at Wilson Way and the Department of Fish and Game Office.
404*	26.27	8.007	Brass disk in monument well stamped "14S-4" located 70 feet west of the Newton and Cherokee Intersection on the south side of Cherokee.
405*	2.08	0.634	Brass disk stamped "14S-17" in monument well west Alpine and Ryde Avenues west of I-5 +/- 4.5 feet south of end traffic island between Ryde Avenue and I-5 off-ramp.
406*	38.72	11.802	Brass disk in monument box stamped "14S-19" located at Farmington Rd and Gillis Rd.
407*	31.82	9.699	Brass disk marking COS monument stamped "14S-20", LS 6670 located at projected centerline of Walker Rd at Farmington Rd.
408*	31.46	9.589	Brass disk in monument well marking COS monument stamped "14S-21", located at Farmington Rd and Sinclair.
409*	32.28	9.839	Brass disk in monument well stamped "14S-22" located on Farmington Rd east of Stagecoach. Punch mark is off center of disk.
410*	28.37	8.647	Brass disk marking COS monument stamped "14S-23", LS 6670 located on north edge of Highway 4 at south Highway 99 off-ramp at the projected centerline of Ladd Tract Rd east of Netherton Av.
411*	24.85	7.574	Brass disk marking COS monument stamped "14S-24" in monument box +/- 39.0 feet NW of centerline wheelchair ramp at the SE corner of Farmington Road and Mariposa Road.
412*	22.63	6.868	Found Iron Pipe with cap in Monument box per map. Set Brass Disk in Monument Well Marking COS Monument Stamped "14S-25", Located at Eighth Street and Pock Ln. Punch Mark is off center of disk.
413*	22.86	6.968	Found pipe in monument box per map. Set a brass disk in monument well marking COS monument stamped "14S-26", LS6670. Located at the centerline of Pock Ln at Loomis Rd.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
415*	31.62	9.638	Brass disk in monument well stamped "14S-18" located at Walker Ln and Section Avenue.
417*	14.50	4.420	Brass disk in monument well marking COS stamped "14S-30" located at centerline Mathews Rd and northbound on-ramp to Interstate Five.
418*	28.02	8.540	Brass disk in monument well marking COS stamped "14S-28" located at the north side of Mariposa Rd +/- 500 feet east of Stagecoach Rd.
419*	14.48	4.414	Brass disk in monument well stamped "14S-13" located at west side of Union Street and the centerline of Sonora.
420*	9.26	2.822	Brass disk in monument well stamped "14S-14", LS 6670 located at the southeast corner of Sonora and Madison.
421*	9.27	2.825	Disk marking COS monument stamped "14S-15", LS 6670 located at SW corner Weber and Madison.
422*	10.08	3.072	Brass disk stamped "SJ 238 10R" located in top of a concrete walk on the southeast corner of bridge on south side of Weber Avenue at Mormon Slough (14S-5).
423*	18.36	5.596	Brass disk in monument well stamped "14S-6" located at NE corner of Sanguinetti and Wilson Way.
424*	16.25	4.953	Brass disk marking COS monument stamped "14S-7", LS 6670, 5 feet east of the west curb on Wilson Way approximately 100 feet north of Bradford Street.
425*	14.17	4.319	Disk stamped "14S-8", LS 6670 located at NW corner of Harding Way and Wilson Way intersection.
426*	16.81	5.124	Brass disk marking COS monument stamped "14S-9" in monument box located +/- 7.8 feet west of traffic island east side at the intersection of Waterloo Rd and Wilson Way.
427*	14.57	4.441	Brass disk marking COS monument stamped "14S-10" in monument box located on the east side of Wilson Way and the approximate centerline of Oak Street projected +/- 4.0 feet west of a traffic island at the south entrance of Eastland Plaza.
428*	17.90	5.456	Brass disk marking COS monument stamped "14S-11" in monument box located south side of Cherokee Rd. and the approximate centerline of Sanguinetti Ln. projected +/- 8.6 feet north of flow line of driveway.
429*	7.13	2.173	Brass disk marking COS monument stamped "14N-10" in monument box located east side of Pershing Avenue +/- 4.0 feet west of east face of curb and +/- 41.0 feet south of centerline driveway of north entrance between Robinhood Dr. and Buckingham.
430*	19.14	5.834	Brass disk marking COS monument stamped "14S-5", LS 6670 15 feet west of the east curb on Sanguinetti Approximately 40 feet south of the centerline of Alpine.
431*	30.52	9.302	Brass disk marking COS monument stamped "14S-1" in monument box +/- 49.6 feet east of the SE corner bridge over Calaveras River, +/- 6.5 feet south of road edge.
432*	27.65	8.428	Brass disk marking COS monument stamped "14S-12" in monument box located +/- 2.6 feet south of face of curb, +/- 142.3 east of west bull nose traffic island north side Fremont Street and on-ramp/off-ramp to Highway 99.
433*	25.02	7.626	Brass disk in monument well stamped "14N-2" located on the north side of Eight Mile Rd +/- 250 feet west of the Union Pacific Railroad Crossing.
434*	9.19	2.801	Brass disk marking COS in monument well stamped "14N-1", LS 6670 located at north side of Eight Mile Rd +/- 4000 feet west of I-5 and 1.5 feet south of AC curb. (lost)
435*	27.37	8.342	Brass disk stamped "14N-3", LS 6670 +/- 300 feet west of the intersection of Eight Mile Rd and West Ln on the north side of Eight Mile Rd.
436*	21.58	6.578	Aluminum disk stamped west in monument well located at abandoned fenced in pump station on east side of West Ln at north Bank of Mosher Slough.
1013	13.11	3.996	Pk nail and brass tag set by Ca. Dept. Of Water Resources(ID4633), 24.9 ft SE of USCGS BM G478, 2.0 ft. SW of concrete edge of wharf, on Rough & Ready Is., Naval Comm. Station, near junction of 9 th St. and Embarcadero St.

COS BENCH MARK ELEVATIONS AND DESCRIPTIONS
NGVD29 Datum

Bench Mark	Elev. Ft.	Elev. Meter	Description
1014*	15.32	4.670	¾" rebar with cap stamped "LS 4334", set as a COS Monument No. 12N-1, on the east side of 10-Mile Levee, 925 ft north of March Ln extension. See Record of Survey Volume 33, Page 20 for ties. *REVISED 3/00
1015	15.30	4.663	¾" rebar with cap stamped "LS 4334", set as a COS Monument No. 12N-2, on the east side of 10-Mile Levee, 4,450 ft north of March Ln. extension. See Record of Survey Volume 33, Page 20 for ties. *REVISED 3/00
1016	29.90	9.114	EBMUD Brass Disk stamped P1563+33.05 (Reset 1991) on concrete structure, 600 ft NE along EBMUD right-of-way from its intersection with Hammer Ln, west of Maranatha Dr.
1017*	13.17	4.014	Brass Disk Marking COS Monument Stamped 10S-TPA in Monument Box on the south side of Washington St +/- 63.5 feet east of approximate center line of Del Norte St and +/- 17.7 feet south of the approximate center line of Washington St.
1019	18.85	5.745	COS Brass Disk stamped "1N-8"; "RCE 8189" in monument box east side of Davis Rd, near south end of bridge over Bear Creek. ERM 276
1031	18.03	5.496	Iron pin in cast iron monument box in the south-bound lane of Manthey Rd. approximately 200 ft North of William Moss Bl. COS survey control point 8S-27.
1033	12.95	3.947	San Joaquin County Pin and Washer in monument box at the intersection of 8-Mile Rd and Thornton Rd. COS Monument No. 9N-4A.
1034*	35.51	10.823	COS Brass Disk stamped "6S-TP1" in monument box on south side of Main St., +/- 2285' east of centerline of Cardinal Ave. *REVISED 3/00
1035	30.63	9.336	COS Brass Disk stamped "6S-TP2" in monument box at north side of Main St. at Walker Rd (south).
1036*	28.97	8.830	COS Brass Disk stamped "6S-TP3" in monument box at south side of Main St. at Wagner Ave. *REVISED 3/00
1040	0.13	0.040	Chiseled cross in sidewalk on the east side of Grupe park across from '5840 Land View Dr. COS survey control point 7N-TP1.
1041*	17.07	5.203	Chiseled cross in sidewalk on the west side of Feather River Dr. South of 14-Mile Slough bridge at entrance to the levee rd. COS survey control point 7N-TP2. *REVISED 4/03

Appendix A:

2002 Benchmark Elevation Adjustment & Datum Comparison

(informational only)

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
(informational only)

BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
1	11.92	11.48	13.95	4.252
2	14.14	13.74	16.21	4.941
3	14.44	14.01	16.49	5.026
4	17.94	17.49	19.98	6.09
5	16.46	15.96	18.37	5.60
6	DESTROYED	---	---	---
7	14.41	13.73	16.24	4.95
8	15.10	14.43	16.96	5.17
9	13.41	12.74	15.21	4.636
10	13.54	12.81	15.26	4.65
11	11.64	10.91	13.37	4.075
12	11.73	11.02	13.42	4.09
13	11.24	10.60	13.02	3.969
14	10.95	10.35	12.73	3.88
15	RESET	11.60	14.03	4.276
16	14.07	13.31	15.74	4.798
17	30.41	29.72	32.18	9.81
18	17.21	16.55	18.99	5.788
19	11.78	11.17	13.62	4.15
20	13.48	12.86	15.32	4.67
21	13.67	13.06	15.51	4.727
22	12.06	11.45	13.90	4.237
23	11.74	11.14	13.59	4.142
24	10.33	9.71	12.11	3.69
25	10.12	9.52	11.97	3.65
26	RESET	9.90	12.34	3.76
27	14.44	13.46	15.92	4.852
28	RESET	12.17	14.63	4.46
29	RESET	12.06	14.53	4.43
30	12.70	12.08	14.57	4.44
31	11.20	10.59	13.06	3.98
32	11.65	11.04	13.50	4.115
33	12.36	11.73	14.14	4.31
34	DESTROYED	---	---	---
35	12.94	12.17	14.60	4.45
36	13.82	12.97	15.32	4.67
37	22.23	21.40	23.87	7.276
38	20.15	19.21	21.55	6.57
39	19.42	18.49	20.87	6.36
40	19.09	18.16	20.54	6.26

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
41	18.90	18.01	20.37	6.21
42	17.38	16.66	19.09	5.82
43	18.56	17.64	20.11	6.13
44	18.84	17.93	20.40	6.218
45	29.36	28.53	30.87	9.41
46	18.40	17.63	20.11	6.13
47	26.94	26.29	28.75	8.763
48	28.13	27.49	29.95	9.129
49	DESTROYED	---	---	---
50	25.18	24.54	27.01	8.233
51	23.03	22.38	24.85	7.574
52	21.30	20.64	23.11	7.044
53	DESTROYED	---	---	---
54	DESTROYED	---	---	---
55	DESTROYED	---	---	---
56	22.69	22.01	24.46	7.455
57	19.82	19.19	21.64	6.596
58	RESET	18.51	20.96	6.389
59	18.73	18.05	20.51	6.251
60	18.09	17.36	19.82	6.041
61	RESET	17.41	20.09	6.123
62	DESTROYED	---	---	---
63	21.63	20.87	23.34	7.114
64	23.03	22.32	24.81	7.562
65	DESTROYED	---	---	---
66	26.17	25.54	28.03	8.544
67	26.52	25.87	28.33	8.635
68	29.13	28.47	30.93	9.427
69	30.59	29.93	32.38	9.869
70	31.73	31.06	33.51	10.214
71	27.71	27.00	29.47	8.982
72	29.15	28.44	30.91	9.421
73	26.97	26.26	28.73	8.757
74	28.40	27.69	30.16	9.193
75	RESET	28.55	31.02	9.455
76	16.82	16.20	18.65	5.685
77	16.35	15.72	18.17	5.538
78	17.29	16.65	19.10	5.822
79	19.02	18.37	20.83	6.349
80	DESTROYED	---	---	---

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
(informational only)

BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
81	23.12	22.39	24.84	7.571
82	RESET	17.30	19.94	6.078
83	RESET	17.63	20.28	6.181
84	RESET	17.82	20.63	6.288
85	18.99	18.20	20.67	6.300
86	DESTROYED	---	---	---
87	22.17	21.38	23.85	7.270
88	21.87	21.08	23.55	7.178
89	RESET	21.12	23.59	7.190
90	24.43	23.70	26.17	7.977
91	15.72	15.13	17.58	5.358
92	16.64	16.03	18.48	5.633
93	14.91	14.30	16.75	5.105
94	16.58	15.97	18.42	5.614
95	15.55	14.86	17.31	5.276
96	15.34	14.72	17.17	5.233
97	RESET	13.57	15.95	4.862
98	13.33	12.64	15.09	4.599
99	12.41	NOT FOUND	---	---
100	11.14	NOT FOUND	---	---
101	DESTROYED	---	---	---
102	8.22	7.56	10.01	3.051
103	7.48	6.73	9.17	2.795
104	6.66	6.00	8.43	2.569
105	5.65	4.99	7.41	2.259
106	-0.83	-1.49	0.93	0.283
107	-1.91	-2.51	-0.13	-0.040
108	23.13	22.46	24.93	7.599
109	21.53	20.84	23.30	7.102
110	21.90	21.07	23.52	7.169
111	23.26	22.41	24.87	7.580
112	19.88	19.13	21.59	6.581
113	19.51	18.84	21.29	6.489
114	17.32	16.67	19.12	5.828
115	17.24	16.58	19.04	5.803
116	14.02	13.40	15.86	4.834
117	13.87	13.23	15.68	4.78
118	14.76	14.12	16.58	5.054
119	18.68	18.03	20.47	6.24
120	18.88	18.24	20.71	6.312

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
121	17.93	17.30	19.77	6.026
122	N/A	20.41	N/A	N/A
123	RESET	21.07	23.54	7.175
124	22.95	22.20	24.67	7.519
125	20.41	19.64	22.12	6.742
126	DESTROYED	---	---	---
127	15.78	15.07	17.54	5.346
128	21.47	20.74	23.13	7.05
129	24.22	23.51	25.97	7.916
130	25.65	24.81	27.20	8.29
131	28.06	27.43	29.89	9.110
132	37.24	36.48	38.94	11.869
133	DESTROYED	---	---	---
134	30.31	29.62	31.86	9.71
135	31.24	30.28	32.64	9.95
136	25.59	24.68	27.15	8.275
137	26.07	24.81	27.28	8.315
138	23.16	22.06	24.53	7.477
139	21.41	20.35	22.82	6.956
140	22.68	21.81	24.28	7.401
141	RESET	23.42	25.90	7.894
142	21.79	21.03	23.36	7.12
143	25.48	24.84	27.33	8.330
144	27.45	26.78	29.28	8.925
145	30.58	29.88	32.22	9.82
146	DESTROYED	---	---	---
147	29.22	28.54	30.84	9.40
148	RESET	29.94	32.42	9.458
149	26.00	25.33	27.78	8.467
150	25.14	24.47	26.87	8.19
151	24.06	23.39	25.84	7.876
152	RESET	24.39	26.80	8.17
153	DESTROYED	---	---	---
154	DESTROYED	---	---	---
155	DESTROYED	---	---	---
156	RESET	15.21	17.75	5.41
157	8.47	7.92	10.39	3.167
158	11.19	10.68	13.16	4.01
159	6.57	5.91	8.37	2.55
160	2.62	2.07	4.46	1.36

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
161	2.76	2.18	4.65	1.417
162	5.55	5.06	7.51	2.29
163	8.65	8.06	10.53	3.21
164	RESET	13.77	16.24	4.95
165	13.57	12.90	15.35	4.679
166	RESET	19.04	21.49	6.550
167	RESET	18.61	20.96	6.39
168	RESET	21.01	23.42	7.14
169	22.06	21.27	23.62	7.20
170	22.41	21.60	24.06	7.334
171	24.94	24.12	26.54	8.09
172	24.98	24.23	26.64	8.12
173	RESET	---	---	---
174	19.91	19.16	21.59	6.58
175	23.25	22.50	24.90	7.59
176	24.94	24.19	26.57	8.10
177	27.29	26.40	28.81	8.78
178	28.12	27.14	29.53	9.00
179	26.78	25.86	28.25	8.61
180	17.26	16.67	19.16	5.84
181	20.26	19.67	22.18	6.76
182	16.36	15.77	18.27	5.57
183	17.13	16.55	19.00	5.791
184	12.08	11.44	13.90	4.237
185	11.02	10.41	12.86	3.920
186	15.08	14.45	16.90	5.151
187	4.70	4.11	6.55	1.996
188	RESET	4.70	7.16	2.182
189	RESET	28.54	31.02	9.455
190	36.68	35.89	38.39	11.701
191	RESET	29.77	32.22	9.82
192	33.82	33.03	35.37	10.78
193	RESET	38.39	40.58	12.37
194	RESET	40.88	43.21	13.17
195	RESET	42.95	45.39	13.835
196	37.90	37.10	39.54	12.052
197	28.86	28.19	30.64	9.339
198	DESTROYED	---	---	---
199	46.39	45.64	47.97	14.62
200	34.14	33.42	35.86	10.93

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
201	DESTROYED	---	---	---
202	DESTROYED	---	---	---
203	RESET	28.87	---	---
204	22.45	21.72	24.08	7.34
205	24.29	23.56	25.92	7.90
206	25.75	24.96	27.33	8.33
207	24.23	23.41	25.87	7.885
208	19.85	19.06	21.42	6.53
209	22.08	21.38	23.69	7.22
210	RESET	16.23	18.70	5.70
211	18.41	17.73	20.20	6.157
212	16.04	15.36	17.83	5.435
213	16.82	16.20	18.67	5.691
214	7.12	6.51	8.98	2.737
215	RESET	11.80	14.28	4.353
216	-1.72	-2.23	0.25	0.076
217	-2.17	-2.64	-0.16	-0.049
218	-2.31	-2.78	-0.30	-0.091
219	-2.47	-2.97	-0.49	-0.149
220	-2.24	-2.70	-0.26	-0.079
221	9.96	9.28	11.67	3.557
222	12.12	11.34	13.78	4.20
223	0.11	-0.42	1.97	0.60
224	RESET	-0.47	1.94	0.591
225	-0.24	-0.74	1.67	0.509
226	RESET	-1.44	0.97	0.296
227	-0.74	-1.23	1.18	0.360
228	0.71	0.22	2.63	0.802
229	14.73	14.22	16.63	5.07
230	16.29	15.74	18.08	5.51
231	-0.93	-1.43	0.97	0.296
232	2.50	1.96	4.38	1.335
233	4.06	3.53	5.95	1.814
234	6.09	5.59	8.00	2.438
235	RESET	9.50	11.92	3.633
236	9.80	9.26	11.68	3.560
237	RESET	8.33	10.83	3.30
238	8.04	7.39	9.77	2.978
239	RESET	10.61	13.02	3.97
240	8.05	7.43	9.91	3.02

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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
241	14.67	14.05	16.42	5.005
242	RESET	4.10	7.07	2.155
243	RESET	5.39	8.29	2.527
244	1.04	0.43	2.82	0.86
245	4.45	3.84	6.27	1.91
246	3.87	3.27	5.71	1.740
247	DESTROYED	---	---	---
248	0.14	-0.39	1.97	0.60
249	0.73	0.11	2.56	0.78
250	DESTROYED	---	---	---
251	N/A	15.77	18.15	5.531
252	13.17	12.51	14.88	4.535
253	2.98	2.39	4.76	1.451
254	1.48	0.87	3.24	0.988
255	2.74	2.13	4.49	1.369
256	4.88	4.27	6.63	2.021
257	4.53	3.94	6.31	1.923
258	4.91	3.92	6.36	1.94
259	3.86	3.32	5.71	1.74
260	5.25	4.71	7.11	2.167
261	6.53	5.99	8.38	2.554
262	7.93	7.39	9.78	2.981
263	21.74	21.21	23.60	7.193
264	15.60	15.06	17.45	5.319
265	8.32	7.79	10.21	3.112
266	20.42	19.73	22.18	6.76
267	17.57	16.83	19.31	5.886
268	14.99	14.28	16.73	5.10
269	19.77	19.09	21.59	6.58
270	18.06	17.36	19.85	6.05
271	RESET	19.34	21.82	6.65
272	18.84	18.15	20.60	6.28
273	11.34	10.69	13.12	4.00
274	8.28	7.66	10.14	3.09
275	12.81	12.31	14.78	4.505
276	RESET	5.05	7.58	2.31
277	RESET	4.58	7.05	2.15
278	8.63	8.21	10.68	3.255
279	DESTROYED	---	---	---
280	12.74	12.30	14.73	4.49

Appendix A:
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
281	DESTROYED	---	---	---
282	24.23	23.70	26.18	7.98
283	DESTROYED	---	---	---
284	22.66	22.06	24.64	7.51
285	26.38	25.74	28.18	8.589
286	N/A	19.53	---	---
287	25.44	24.92	27.34	8.333
288	DESTROYED	---	---	---
289	29.30	28.71	31.19	9.507
290	30.42	29.83	29.53	9.00
291	37.78	37.20	39.50	12.04
292	DESTROYED	---	---	---
293	35.96	35.30	37.76	11.509
294	44.46	43.82	46.28	14.106
295	38.33	37.68	39.96	12.18
296	35.71	35.00	37.27	11.36
297	40.19	39.41	41.86	12.759
298	35.07	34.26	36.71	11.189
299	37.74	36.95	39.40	12.009
300	34.99	34.11	36.35	11.08
301	32.86	32.05	34.28	10.45
302	33.02	32.04	34.49	10.513
303	35.67	34.77	37.04	11.29
304	26.93	25.88	28.34	8.638
305	RESET	2.27	4.66	1.42
306	6.46	5.87	8.10	2.47
307	16.78	16.20	18.44	5.62
308	18.55	17.97	20.35	6.203
309	16.24	15.60	17.95	5.47
310	RESET	19.51	22.87	6.971
311	4.32	2.68	5.14	1.567
312	20.77	19.12	21.52	6.56
313	22.18	20.47	22.94	6.992
314	21.47	19.70	22.18	6.76
315	RESET	3.84	7.62	2.323
316	RESET	8.65	11.12	3.39
317	RESET	11.23	13.71	4.18
318	RESET	9.67	12.14	3.700
319	28.92	27.97	30.42	9.272
320	30.47	29.52	31.97	9.744

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2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
321	31.59	30.85	33.31	10.153
322	35.01	34.28	36.52	11.13
323	39.36	38.65	41.11	12.530
324	42.43	41.70	44.16	13.460
325	43.84	43.12	45.58	13.893
326	48.00	47.29	49.57	15.11
327	44.21	43.54	46.00	14.021
328	43.50	42.82	45.28	13.801
329	36.89	36.18	38.55	11.75
330	34.87	34.15	36.60	11.156
331	33.35	32.63	35.08	10.692
332	32.39	31.65	34.11	10.397
333	47.95	47.20	49.66	15.136
334	30.75	30.01	32.28	9.84
335	30.20	29.48	31.66	9.65
336	33.21	32.49	34.68	10.57
337	42.17	41.47	43.63	13.30
338	44.43	43.74	46.19	14.079
339	42.28	41.60	43.86	13.37
340	N/A	6.86	9.32	2.84
341	N/A	26.63	28.90	8.81
342	N/A	38.84	41.33	12.597
343	N/A	32.08	34.55	10.531
344	N/A	26.53	29.00	8.839
345	N/A	25.14	N/A	---
346	N/A	25.57	N/A	---
347	N/A	42.16	44.61	13.597
348	N/A	33.75	N/A	---
349	N/A	38.18	N/A	---
350	N/A	37.35	N/A	---
351	N/A	46.25	N/A	---
352	N/A	44.84	N/A	---
353	N/A	37.09	N/A	---
354	N/A	32.45	34.90	10.638
355	N/A	34.73	37.18	11.332
356	N/A	22.93	N/A	---
357	N/A	18.58	21.02	6.407
358	N/A	15.29	17.75	5.410
359	N/A	31.80	N/A	---
360	RESET	28.52	N/A	---

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2002 Benchmark Elevation Adjustment & Datum Comparison
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BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
361	N/A	27.85	N/A	---
362	DESTROYED	---	---	---
363	N/A	27.08	N/A	---
364	N/A	7.05	N/A	---
365	N/A	0.35	2.83	0.863
366	N/A	1.97	N/A	---
367	N/A	3.16	5.63	1.716
368	N/A	3.84	N/A	---
369	N/A	7.57	10.04	3.060
370	N/A	12.60	N/A	---
371	N/A	25.81	N/A	---
372	N/A	24.75	27.17	8.281
373	N/A	28.52	31.01	9.452
374	N/A	35.17	37.63	11.470
375	N/A	13.97	16.42	5.005
376	12.35	11.61	14.08	4.292
379	N/A	13.84	16.17	4.93
386	N/A	22.83	25.23	7.69
396	N/A	22.23	24.54	7.48
397	N/A	14.74	17.16	5.23
398	N/A	11.83	14.27	4.35
399	N/A	2.35	4.86	1.48
400	N/A	5.31	7.81	2.38
401	N/A	7.10	9.65	2.94
402	N/A	28.25	30.71	9.36
403	N/A	26.97	29.40	8.96
404	N/A	26.27	28.71	8.75
405	N/A	2.08	0.33	0.10
406	N/A	38.72	41.11	12.53
407	N/A	31.82	34.28	10.45
408	N/A	31.46	31.43	9.58
409	N/A	32.28	34.71	10.58
410	N/A	28.37	30.81	9.39
411	N/A	24.85	27.26	8.31
412	N/A	22.63	25.03	7.63
413	N/A	22.86	25.26	7.70
415	N/A	31.62	33.99	10.36
416	N/A	N/A	11.94	3.64
417	N/A	14.50	16.96	5.17
418	N/A	28.02	30.48	9.29

Appendix A:
2002 Benchmark Elevation Adjustment & Datum Comparison
(informational only)

BM #	NGVD29 (feet)		NAVD88 (2002 Rev.)	
	NGS 1967 ADJ	COS 1996 ADJ	FEET	METERS
419	N/A	14.48	16.99	5.18
420	N/A	9.26	11.75	3.58
421	N/A	9.27	11.78	3.59
422	N/A	10.08	12.57	3.83
423	N/A	18.36	20.83	6.35
424	N/A	16.25	18.80	5.73
425	N/A	14.17	16.70	5.09
426	N/A	16.81	19.29	5.88
427	N/A	14.57	17.03	5.19
428	N/A	17.90	20.41	6.22
429	N/A	7.13	9.58	2.92
430	N/A	19.14	21.62	6.59
431	N/A	30.52	32.97	10.05
432	N/A	27.65	30.05	9.16
433	N/A	25.02	27.53	8.39
434	N/A	9.19	11.65	3.55
435	N/A	22.37	29.72	9.06
436	N/A	21.58	23.95	7.30
1001	N/A	N/A	12.14	3.70
1002	N/A	N/A	10.89	3.32
1003	N/A	N/A	15.12	4.61
1006	N/A	N/A	27.56	8.40
1008	N/A	N/A	26.31	8.02
1013	N/A	13.11	15.49	4.72
1014	N/A	15.32	17.83	5.435
1015	N/A	15.30	17.79	5.422
1016	N/A	29.90	32.32	9.851
1019	N/A	18.85	21.33	6.50
1031	N/A	18.03	N/A	N/A
1033	N/A	12.95	15.42	4.700
1034	N/A	35.51	37.96	11.57
1035	N/A	30.63	33.04	10.07
1043	N/A	N/A	26.80	8.17
1044	N/A	N/A	22.83	6.96
1045	N/A	N/A	40.62	12.38
1046	N/A	N/A	20.08	6.12
1047	N/A	N/A	16.57	5.05
1048	N/A	N/A	27.85	8.49

Appendix B:

2008 Citywide Benchmark Vertical Datum Conversion

Benchmark Map Index

Citywide Vertical Datum Conversion to NAVD 88

A

B

C

D

E

F

G

1

2

3

4

5

6

7



0 0.5 1 2 Miles



Legend

Citywide Vertical Datum Conversion to NAVD 88

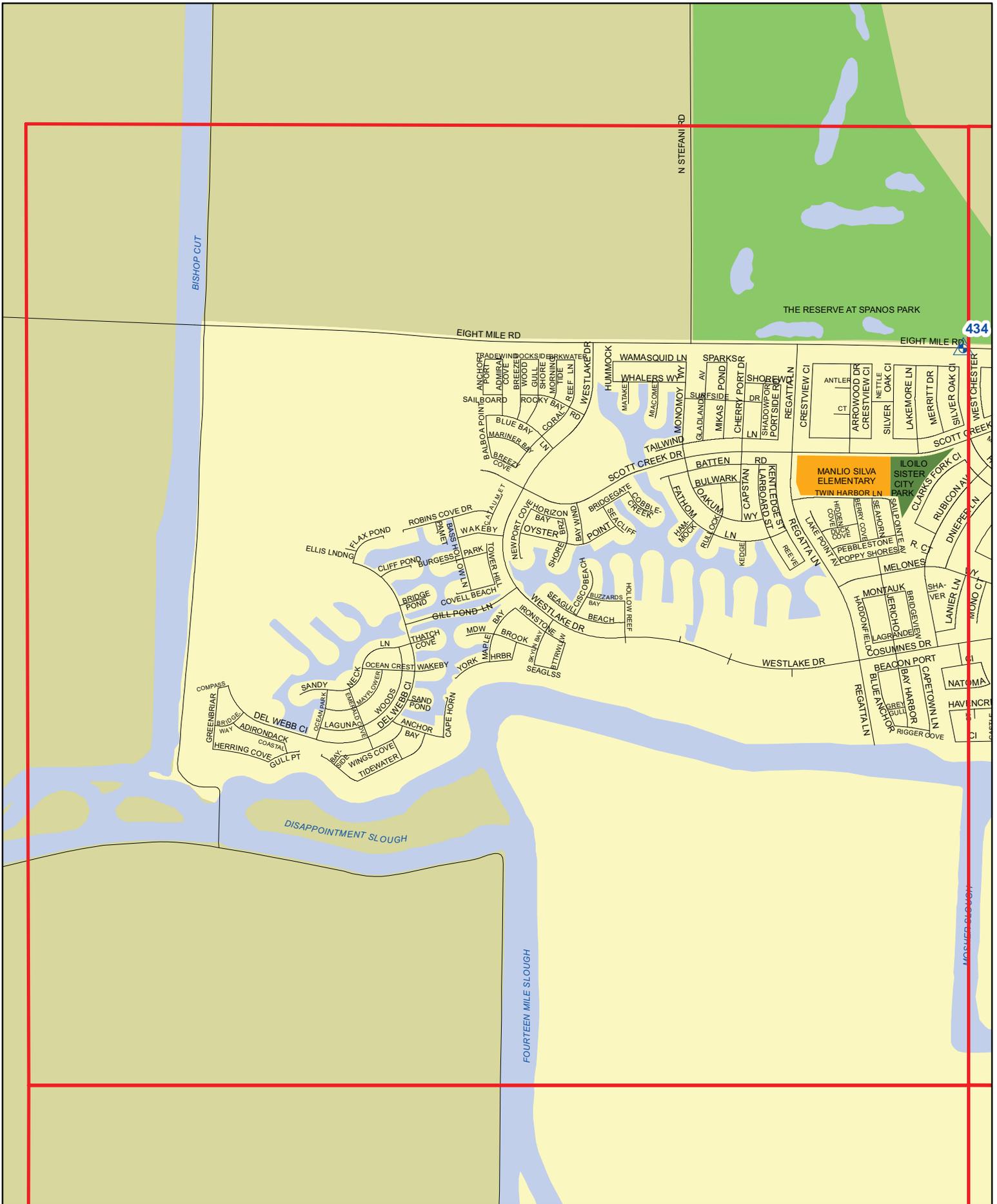
Monument Key

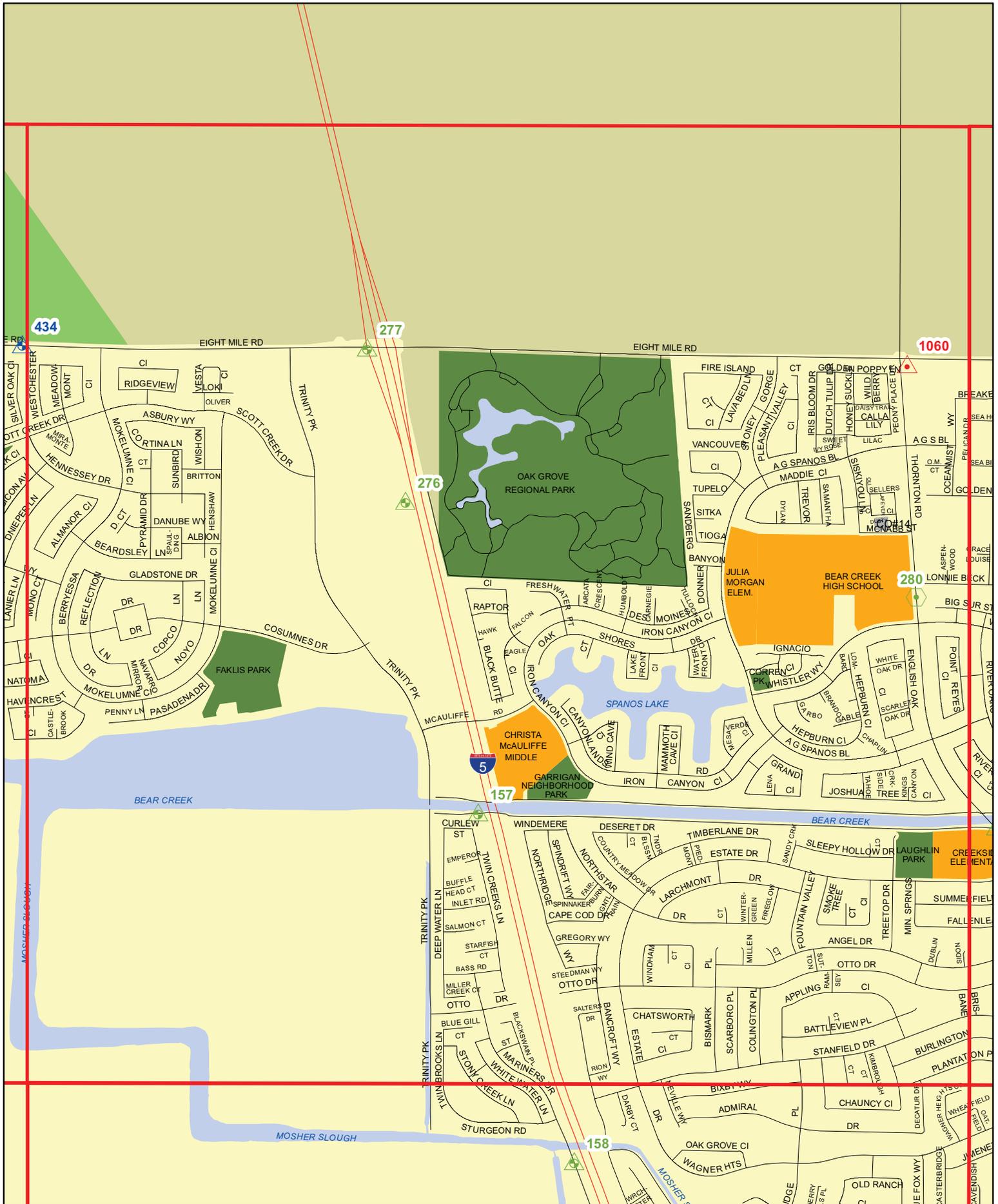
	C.O.S. Horizontal Only
	C.O.S. Vertical Only
	C.O.S. Horizontal + Vertical
	Federal Monuments
	Federal With NAVD88 Elevation
	State of California
	San Joaquin County
	East Bay Municipal Utilities Department

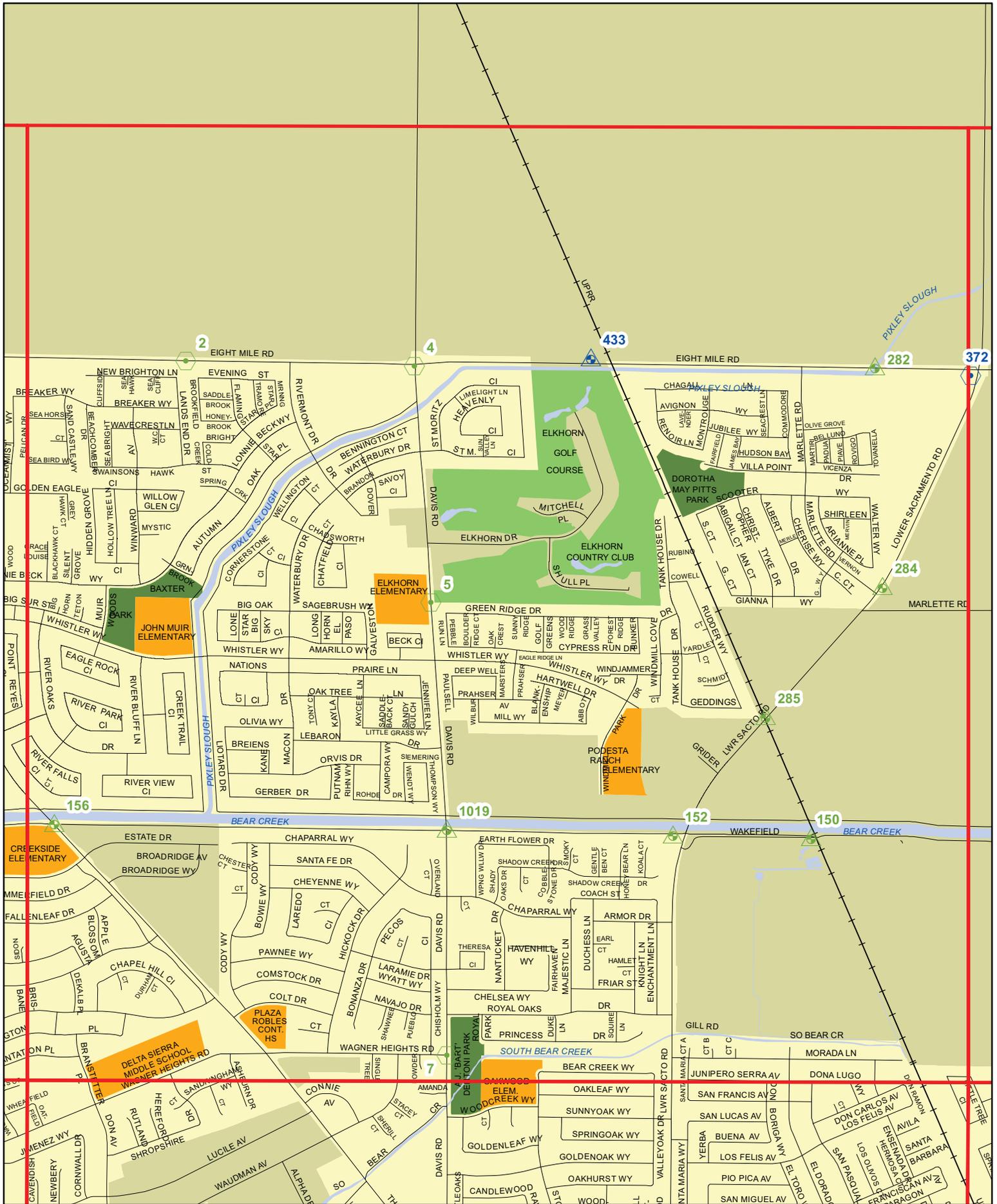
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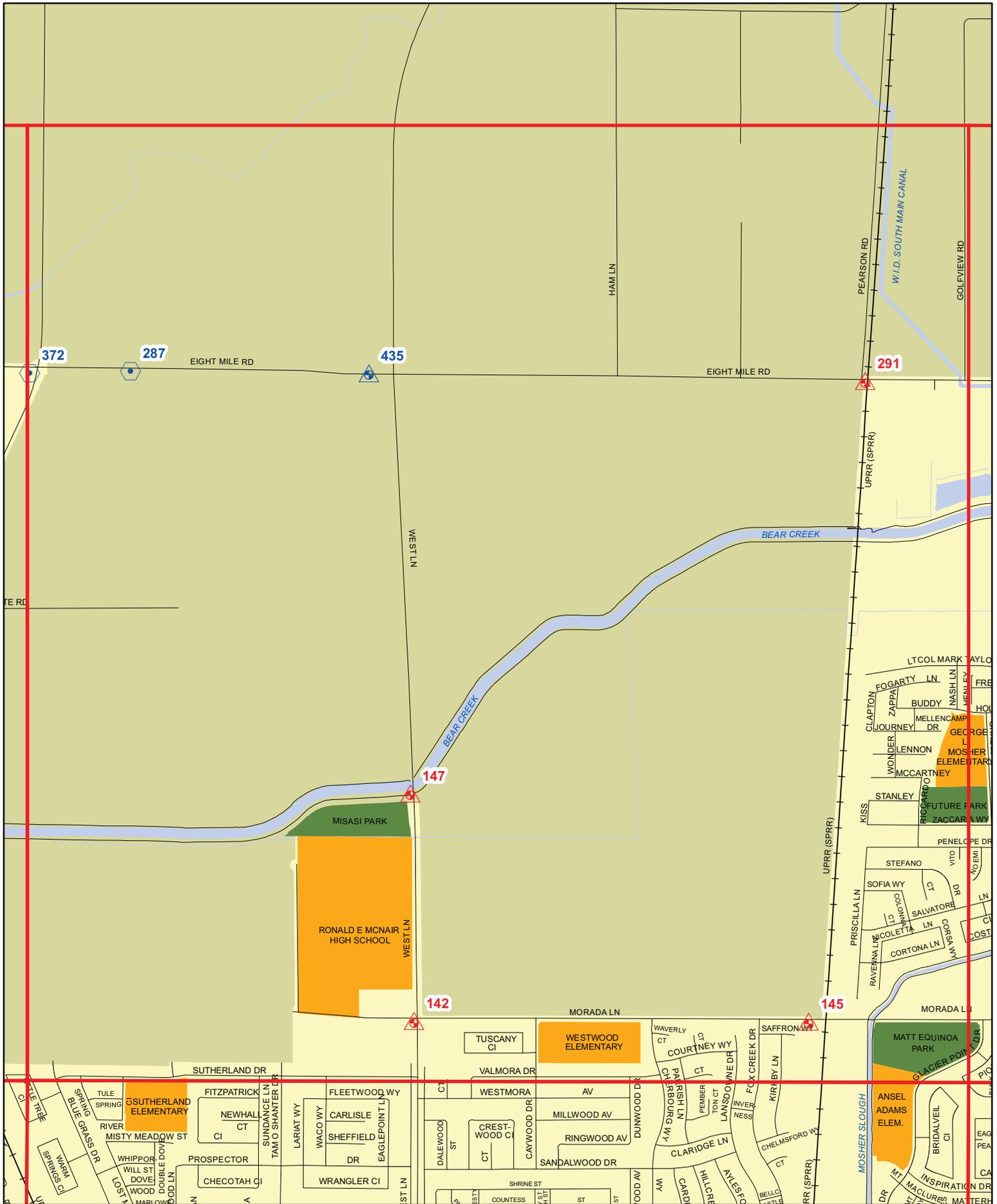
1. GPS occupied monuments shown in **red**.
2. Traversed monuments shown in **green**.
3. Approximately located monuments shown in **blue**.
4. City limits shaded in **yellow**.

The information on this map is based on the most current information available to the City of Stockton Geographic Information System Section. The information on this map is not intended to replace engineering, financial or primary records research.









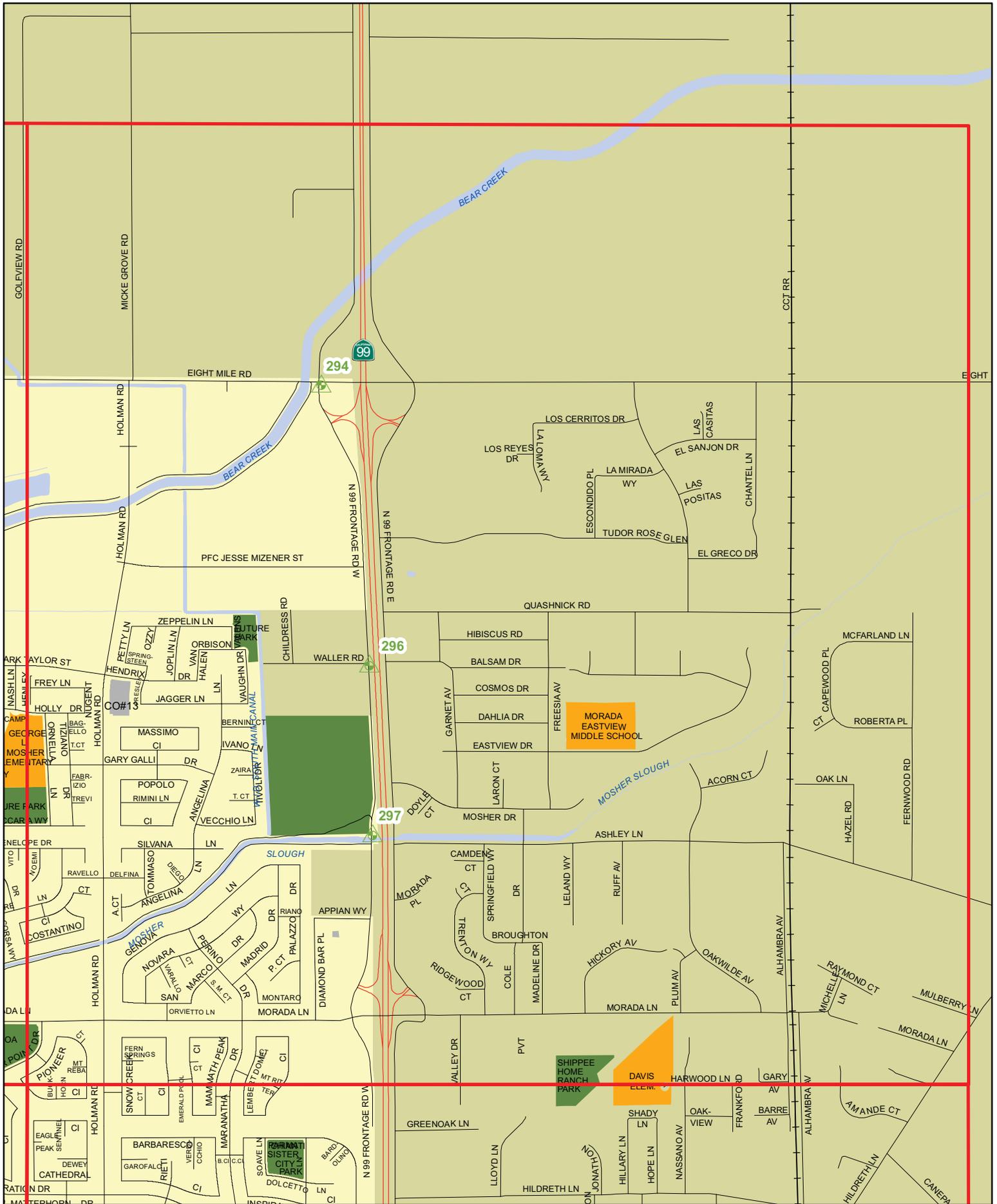
Benchmarks

July 2010

Map Grid #
1D



0 287.5 575 1,150 Feet



Benchmarks

July 2010

Map Grid #
1E

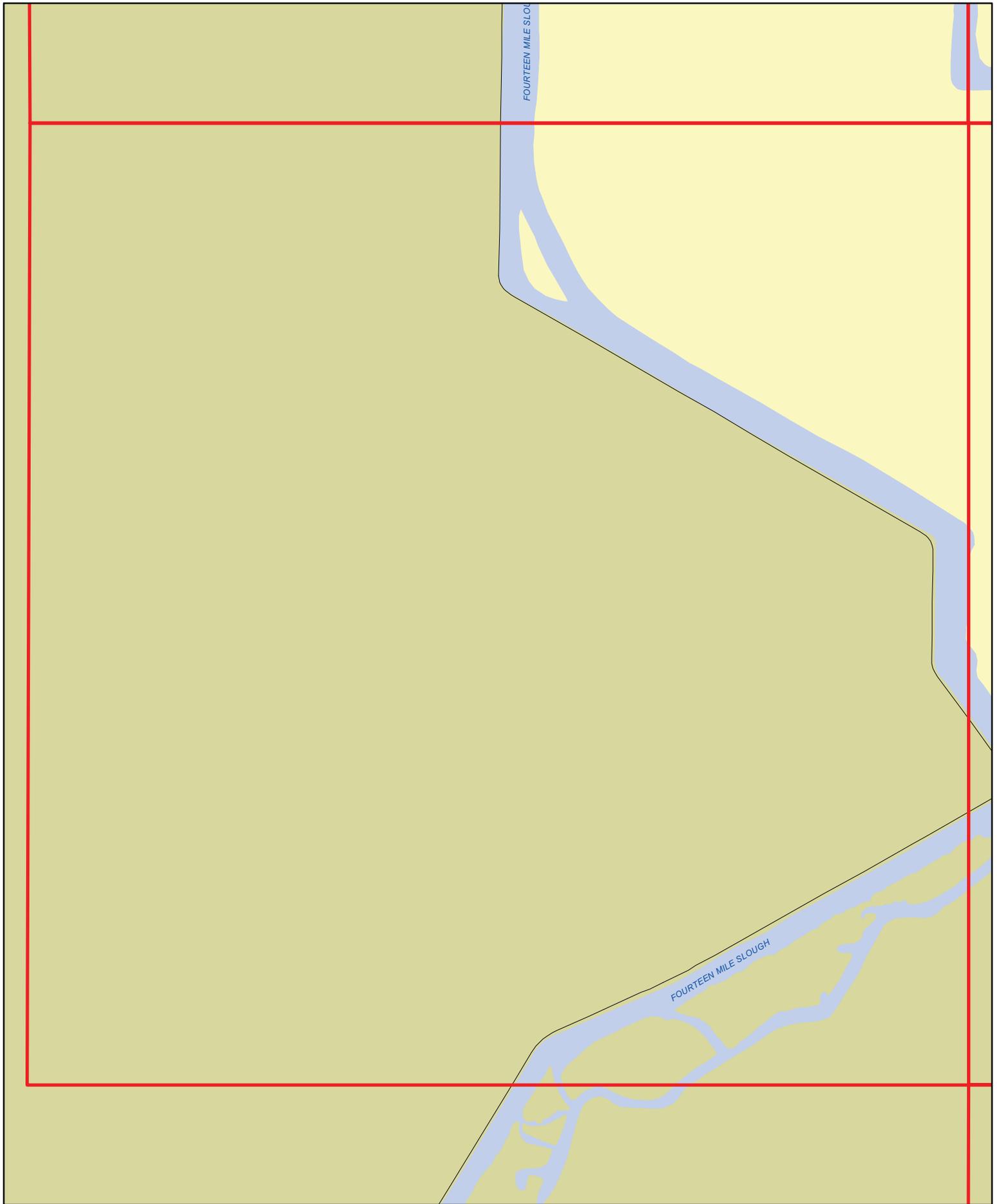


0 285 570 1,140 Feet

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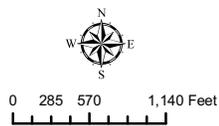




Benchmarks

July 2010

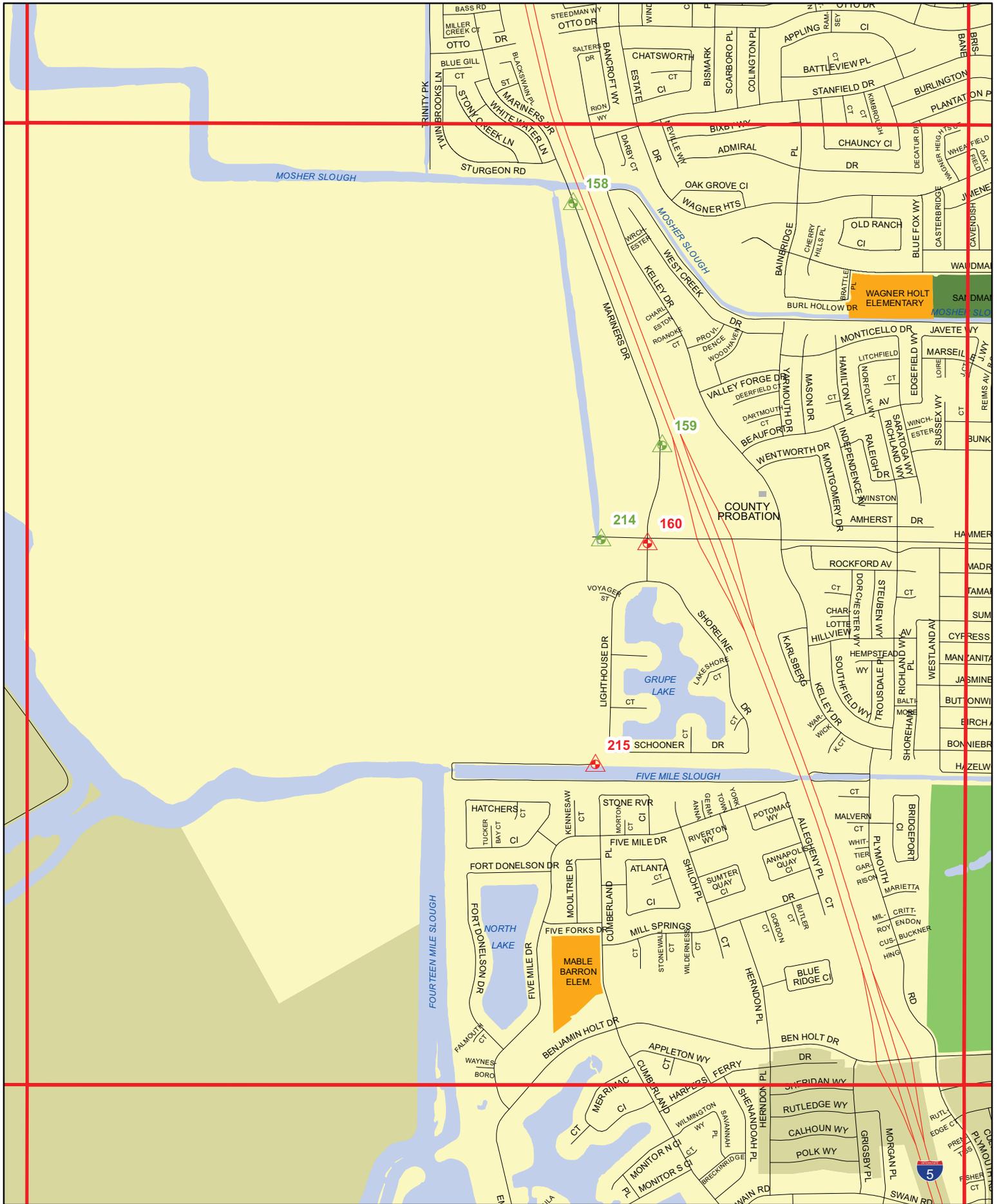
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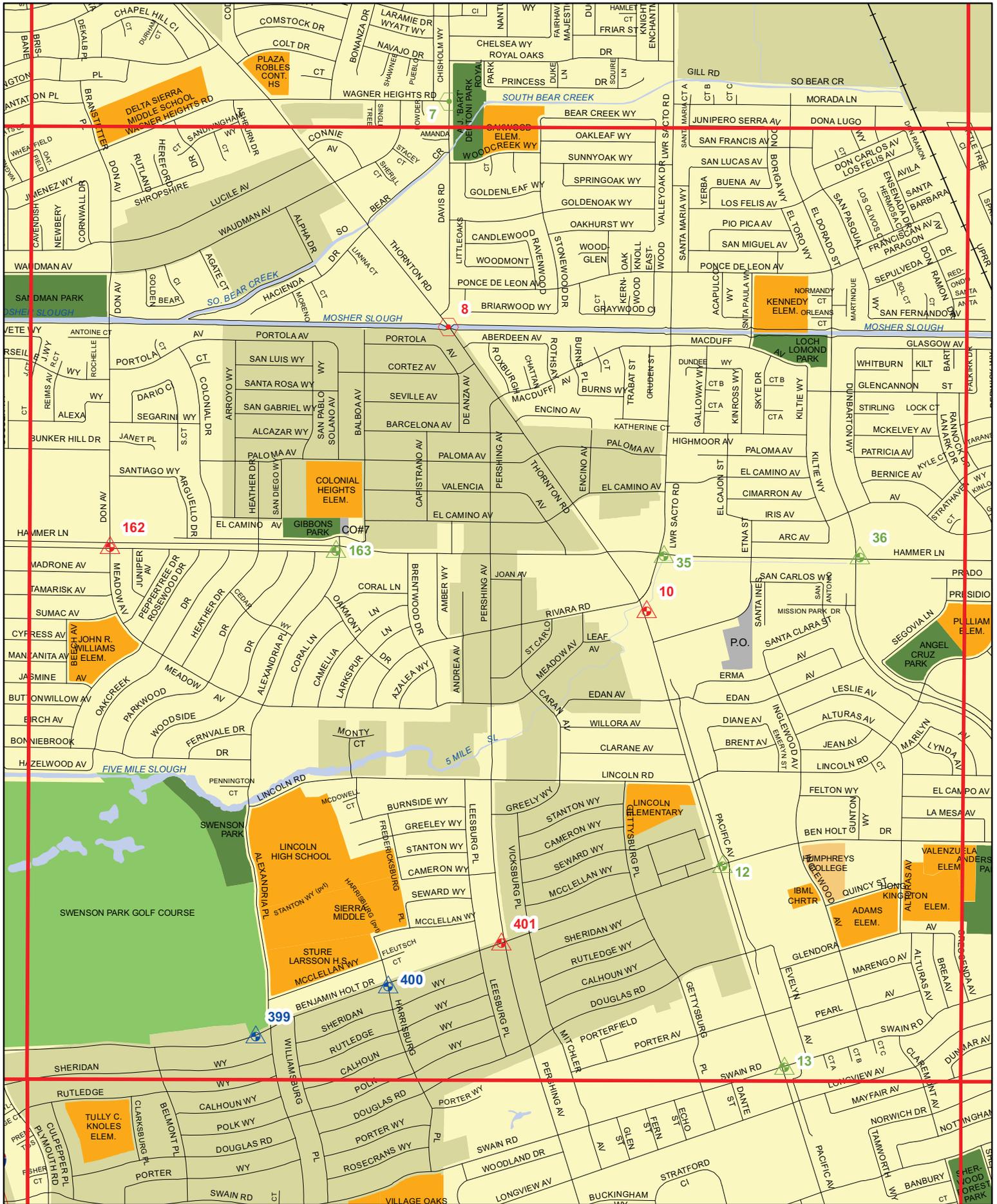


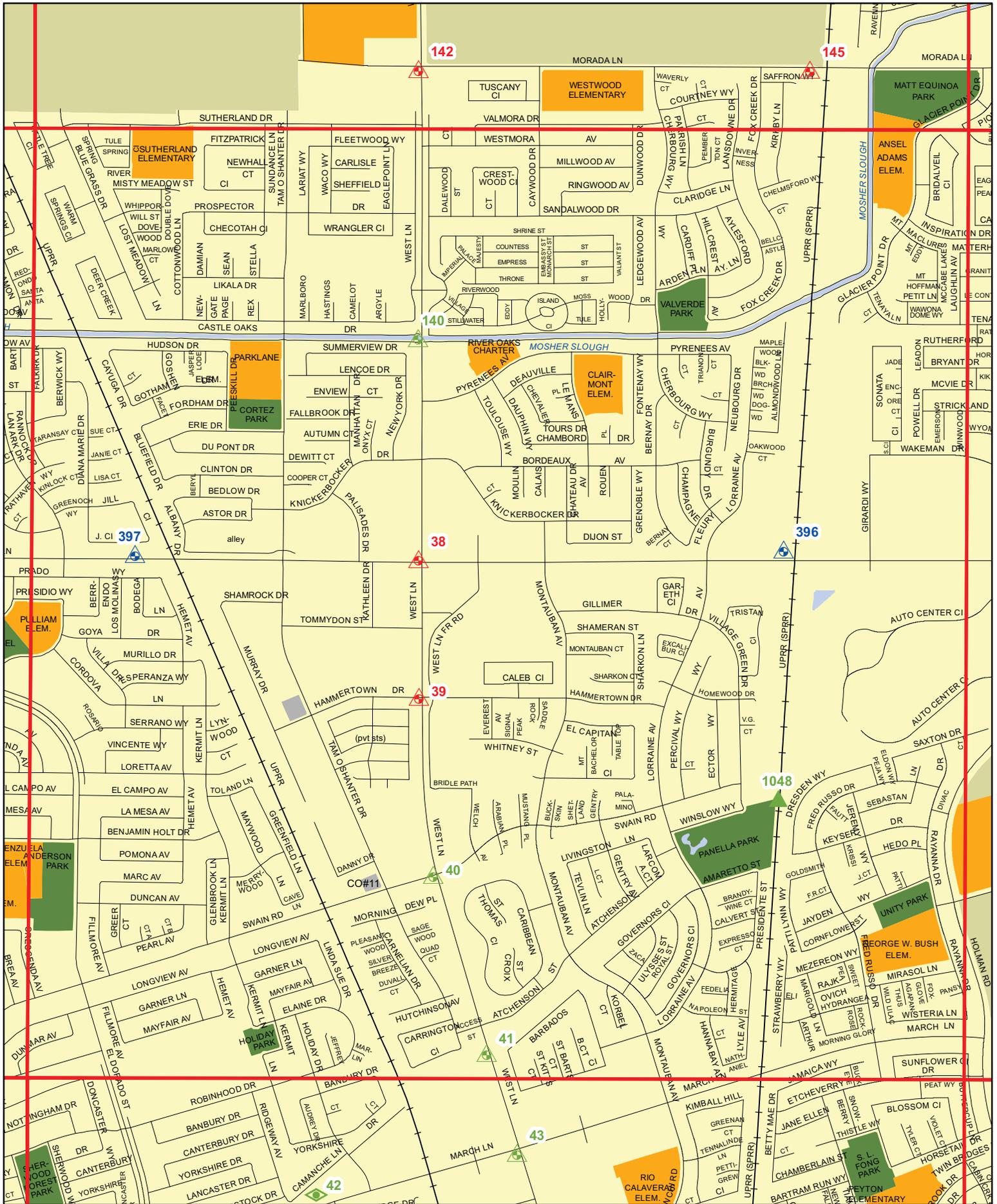
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07/28/10

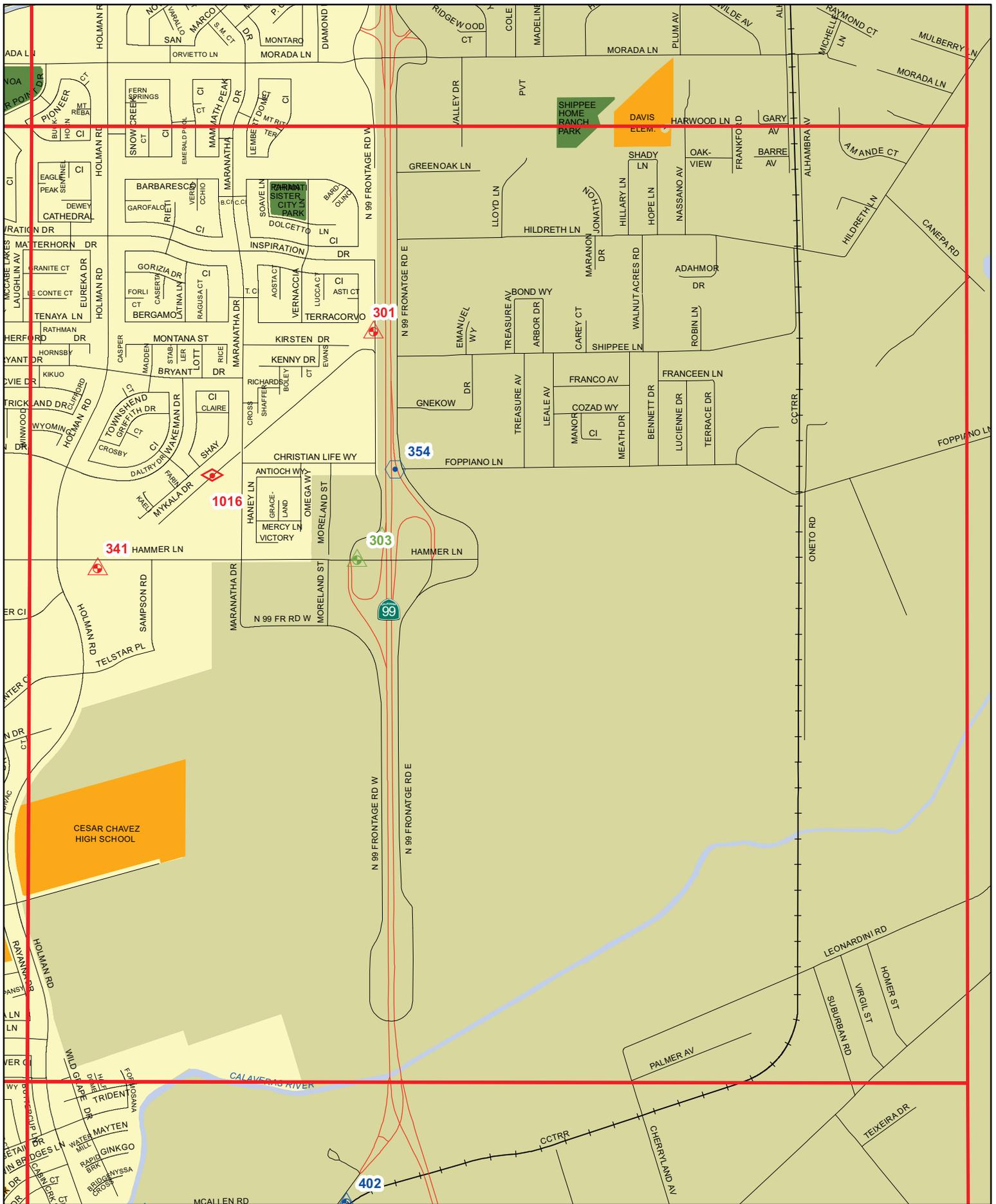
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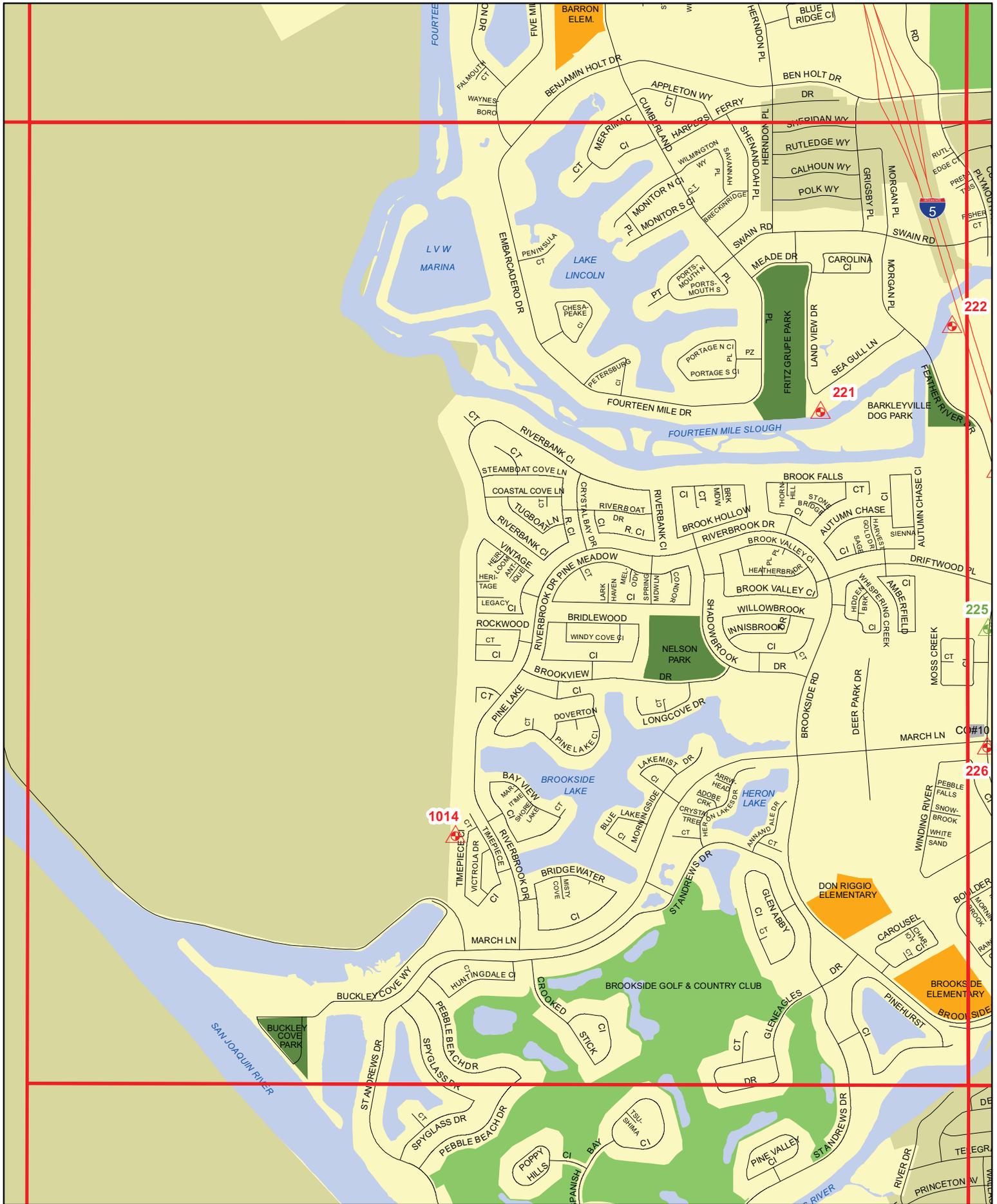


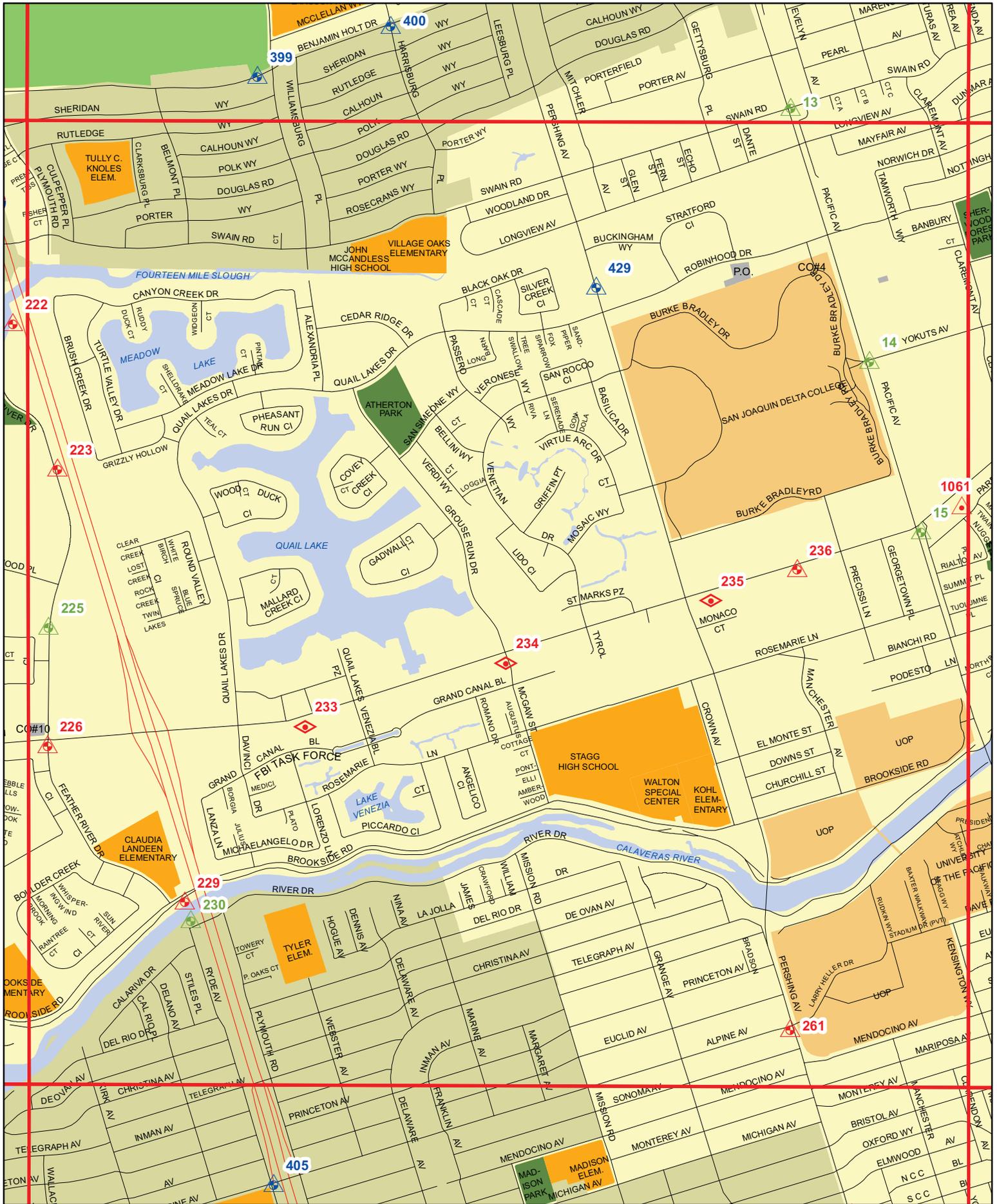


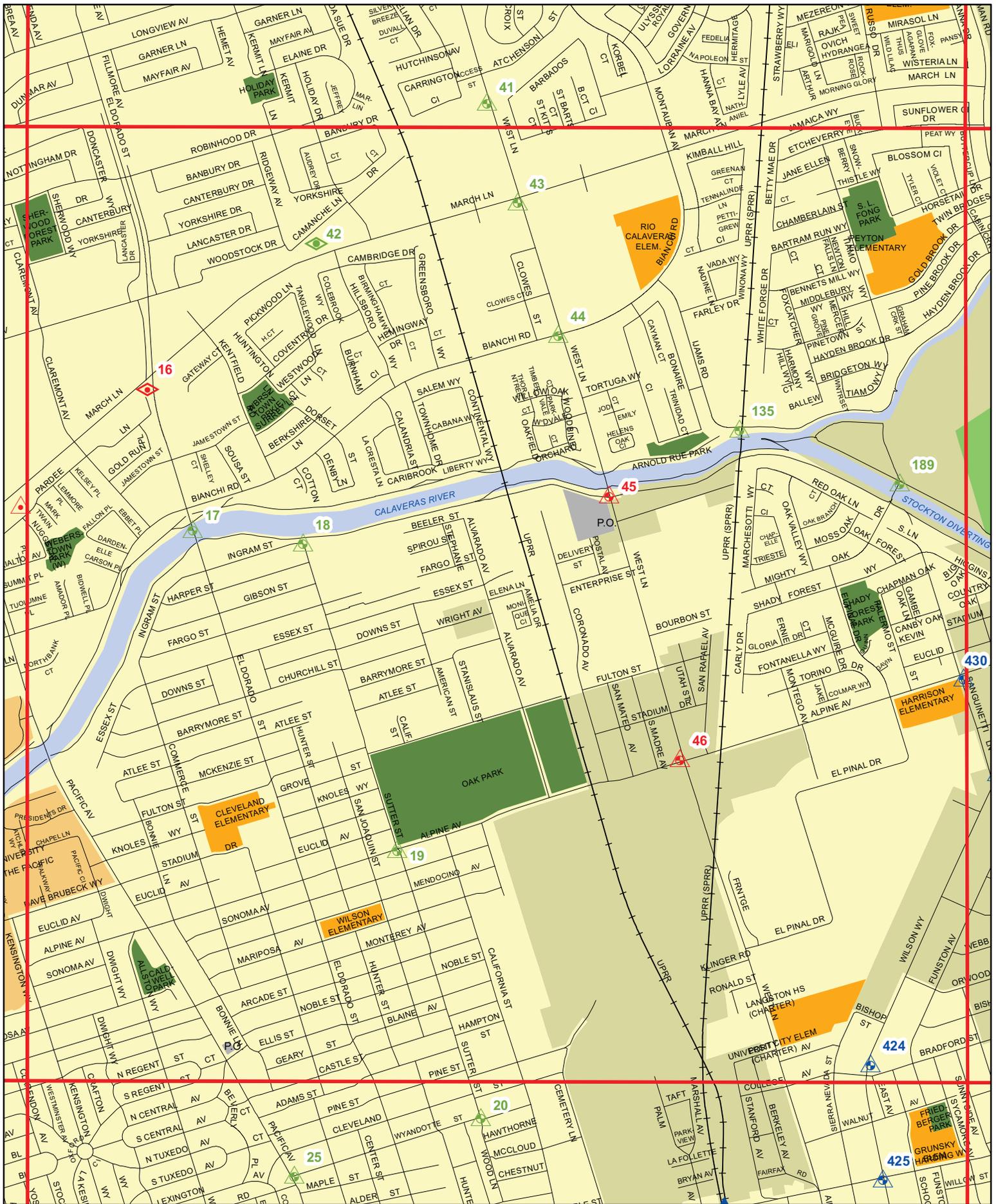


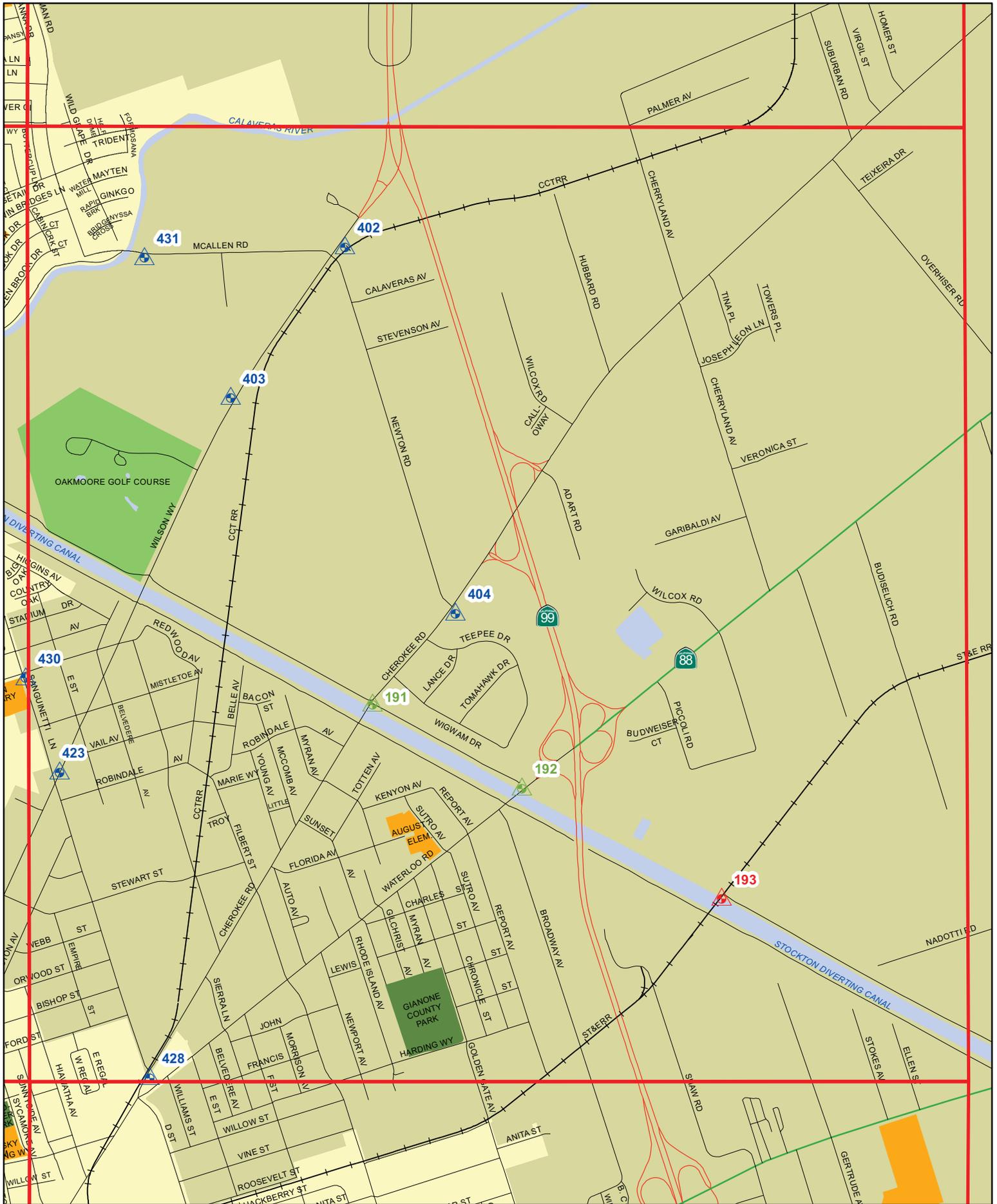




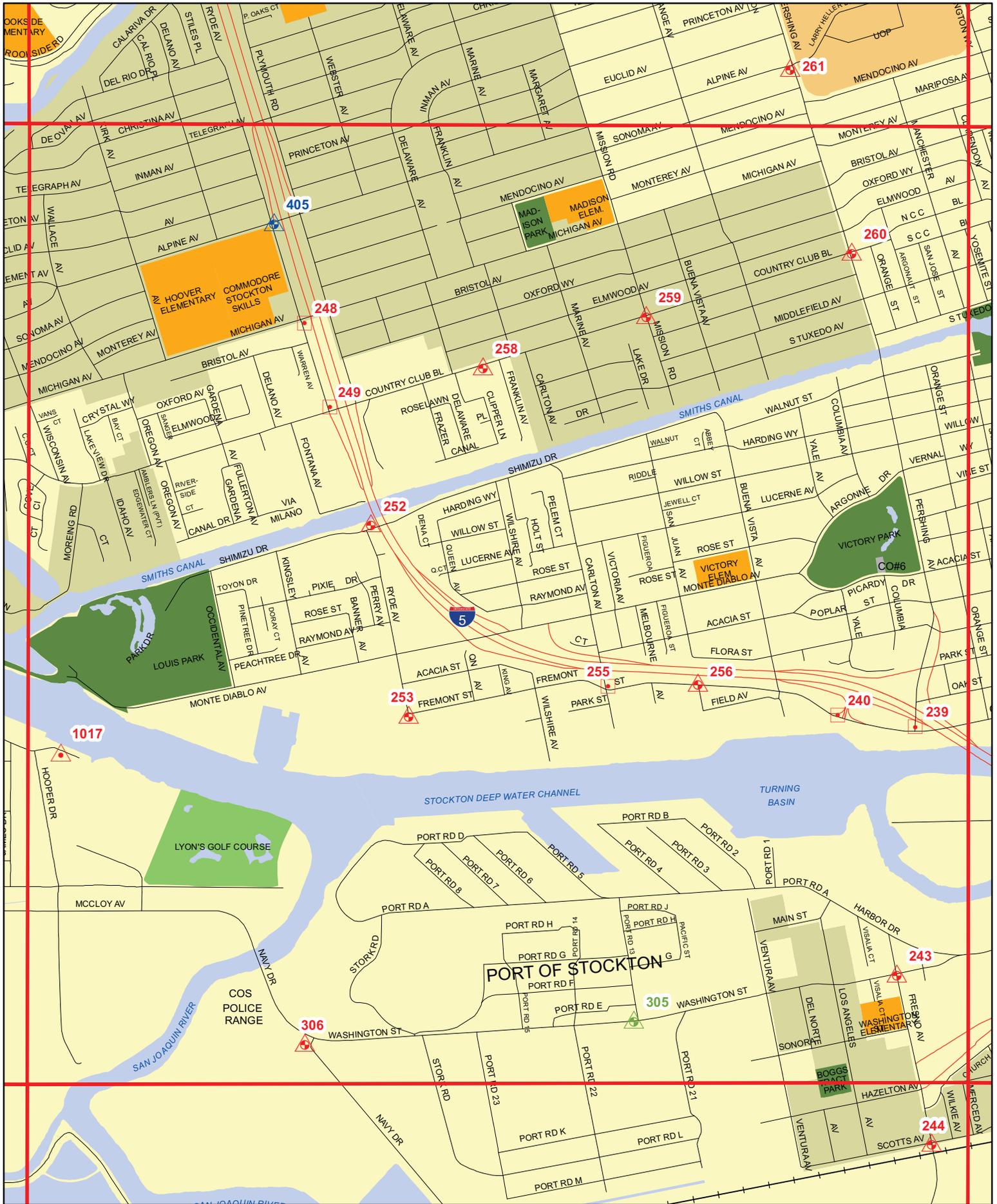


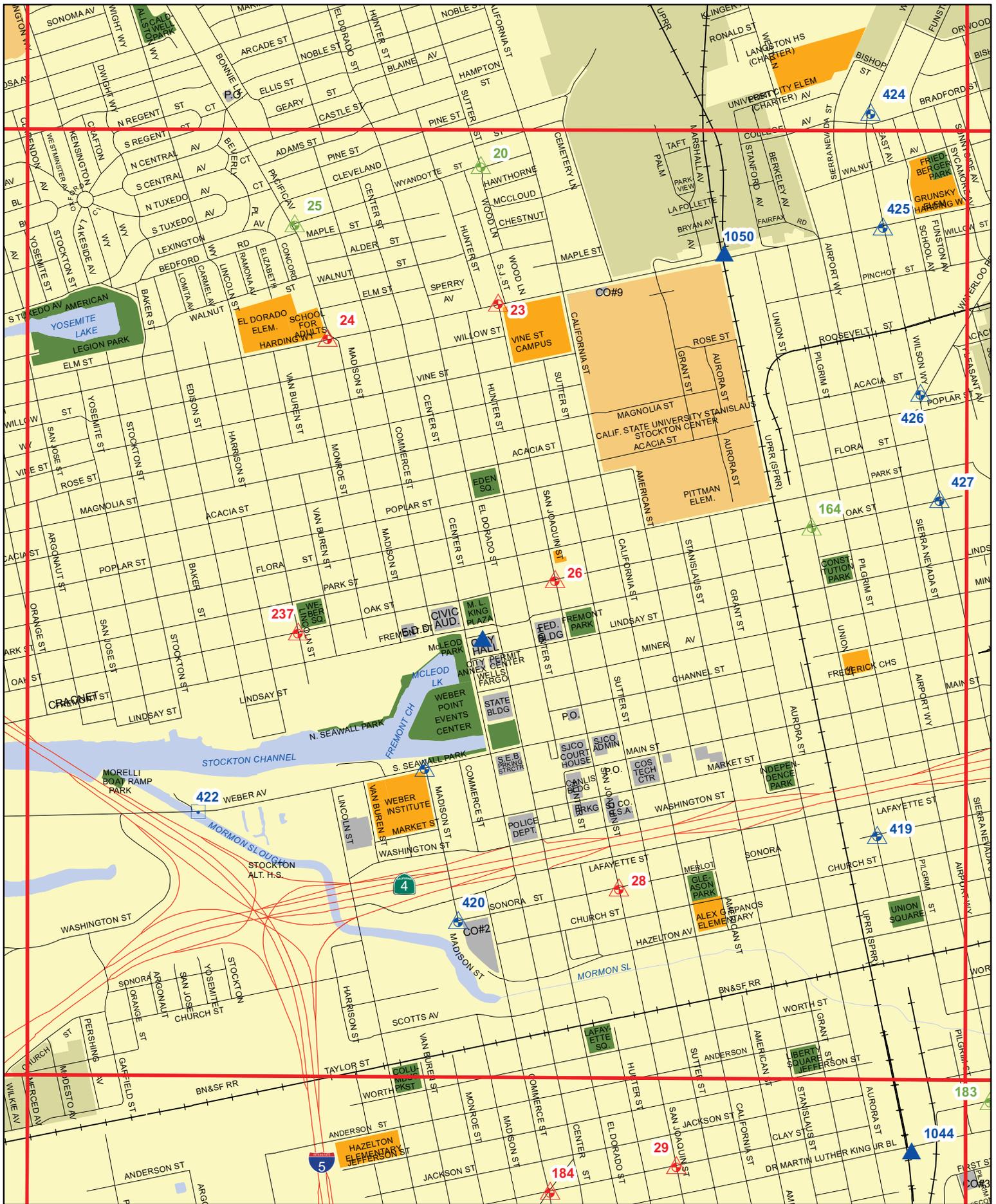














Benchmarks

July 2010

Map Grid #
4E



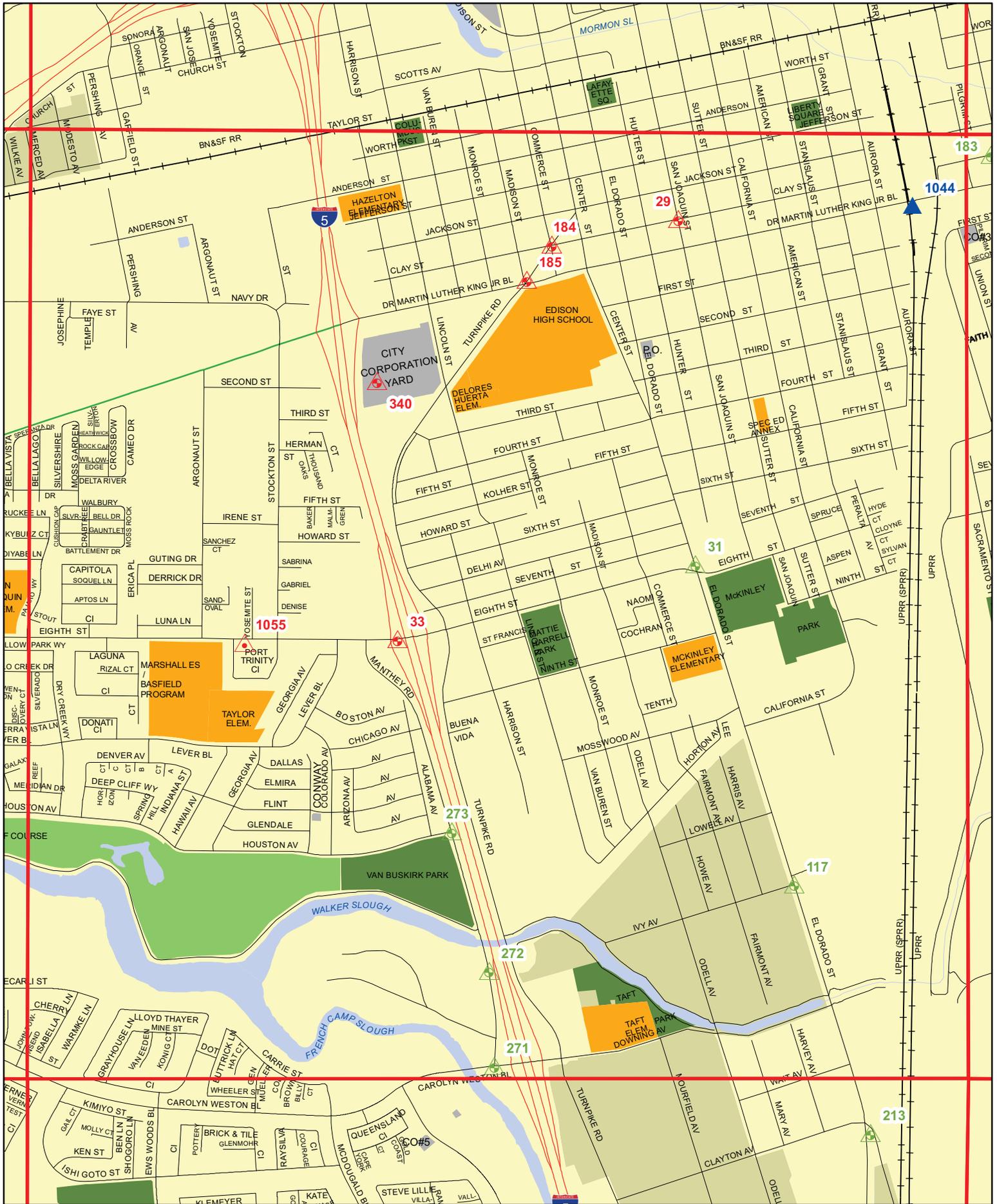
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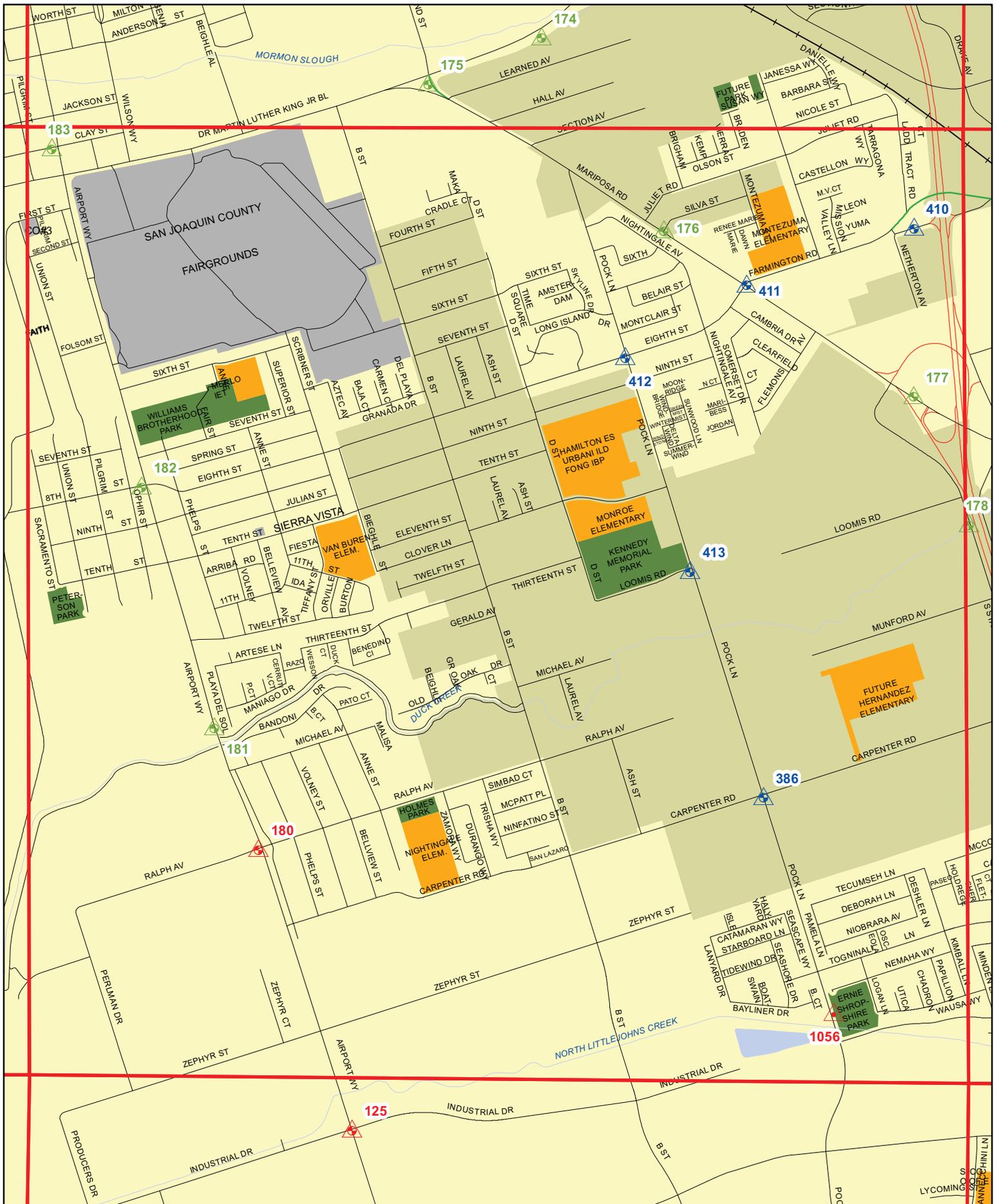
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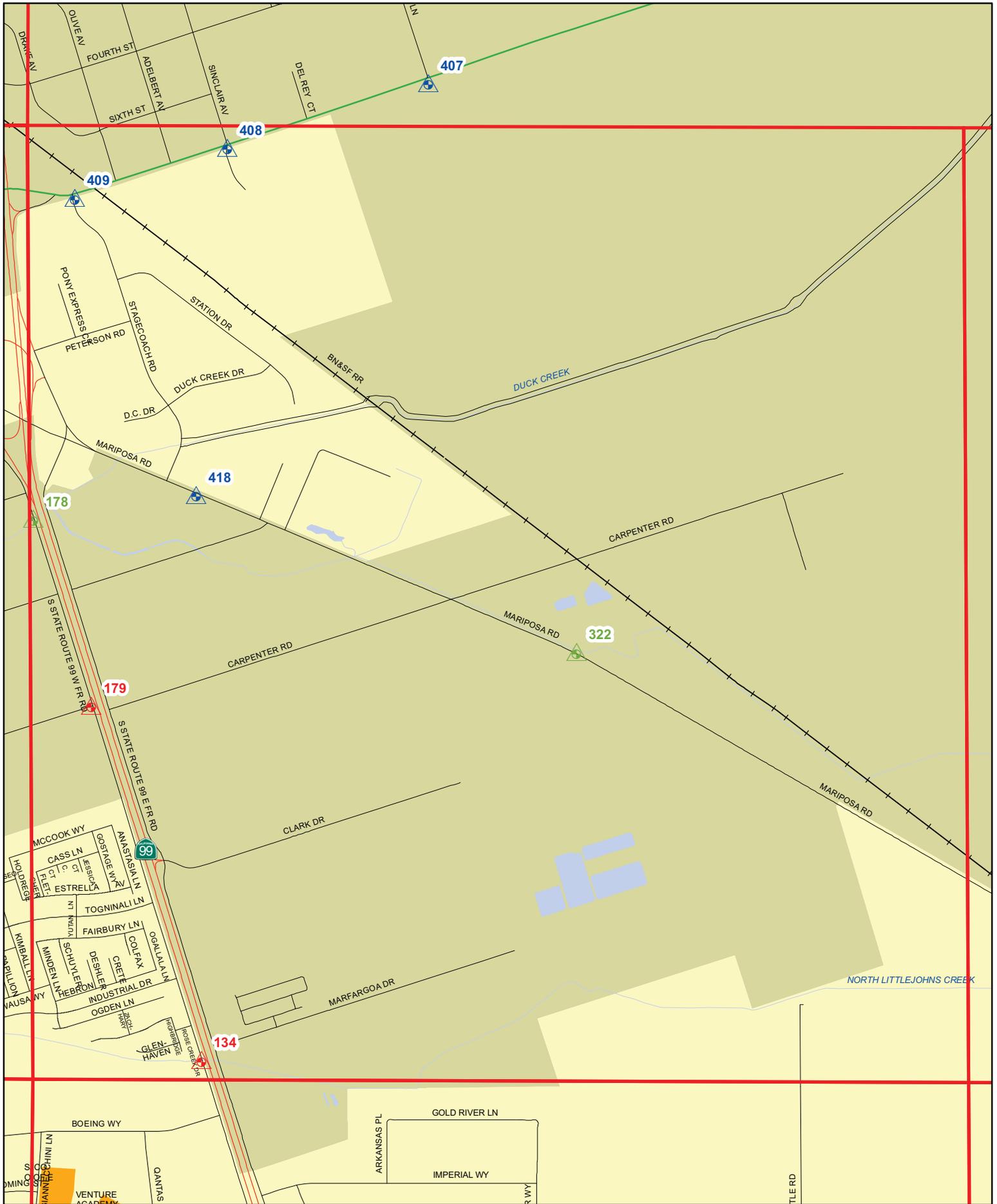
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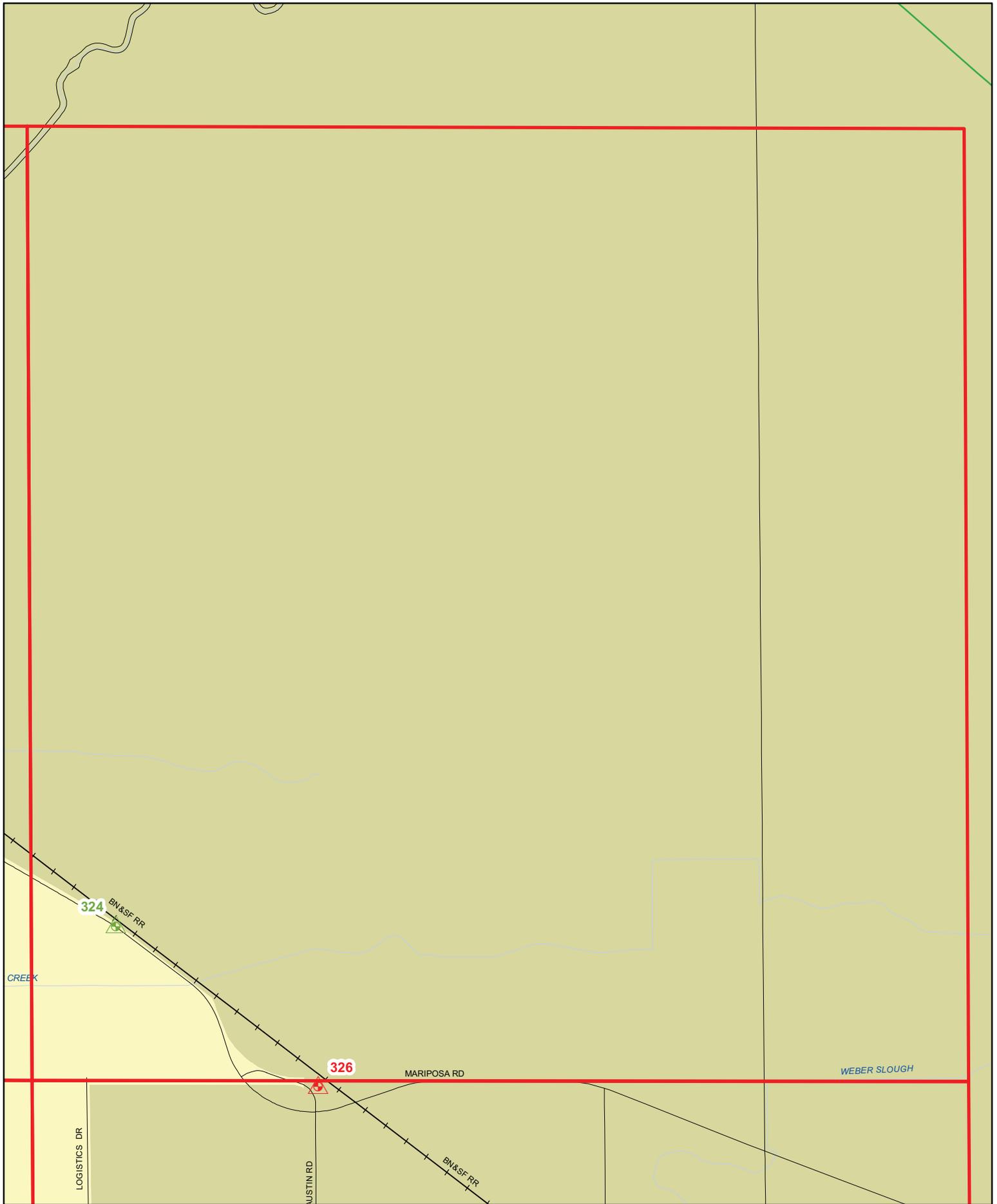








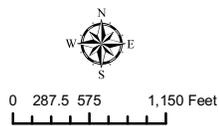




Benchmarks

July 2010

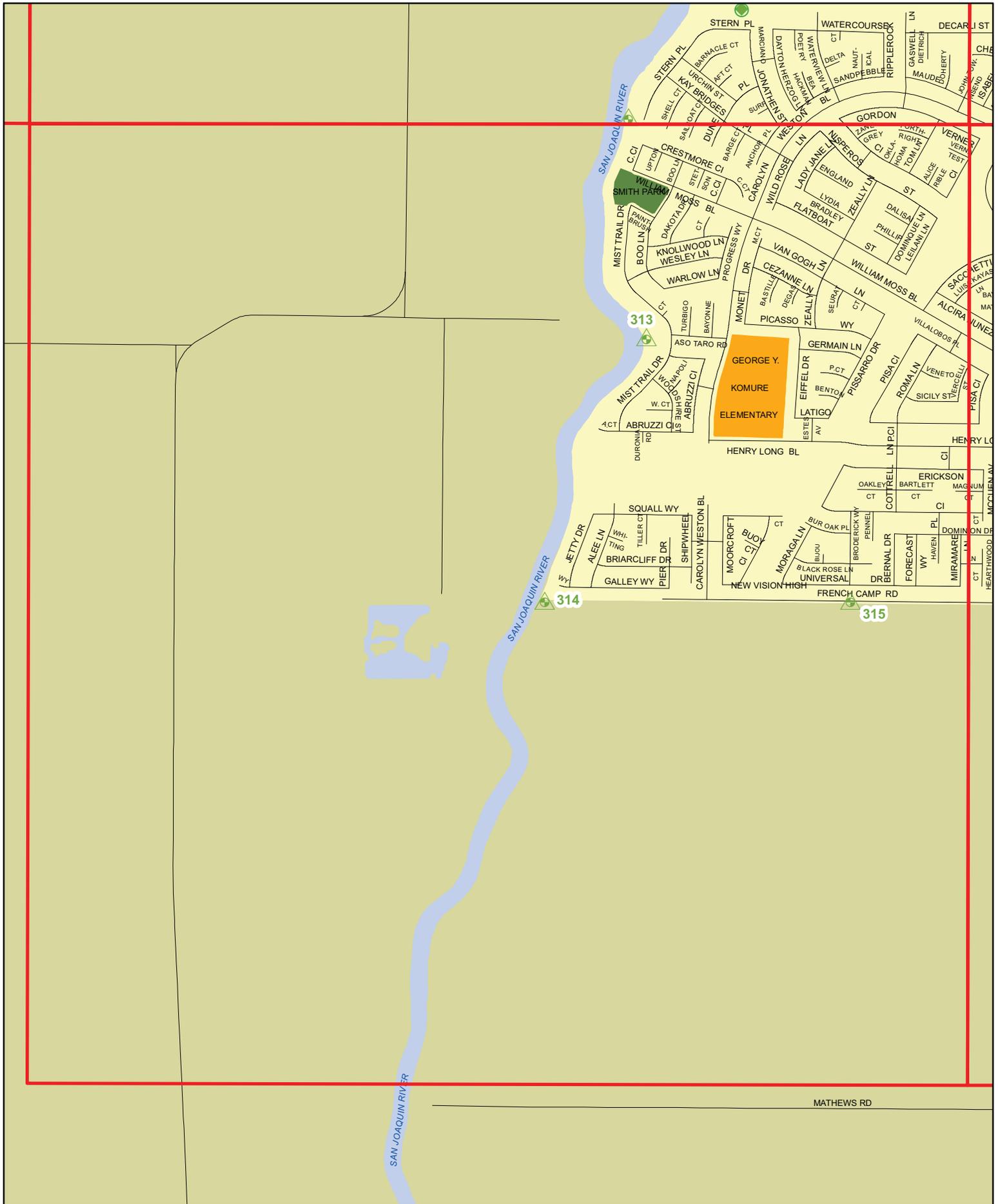
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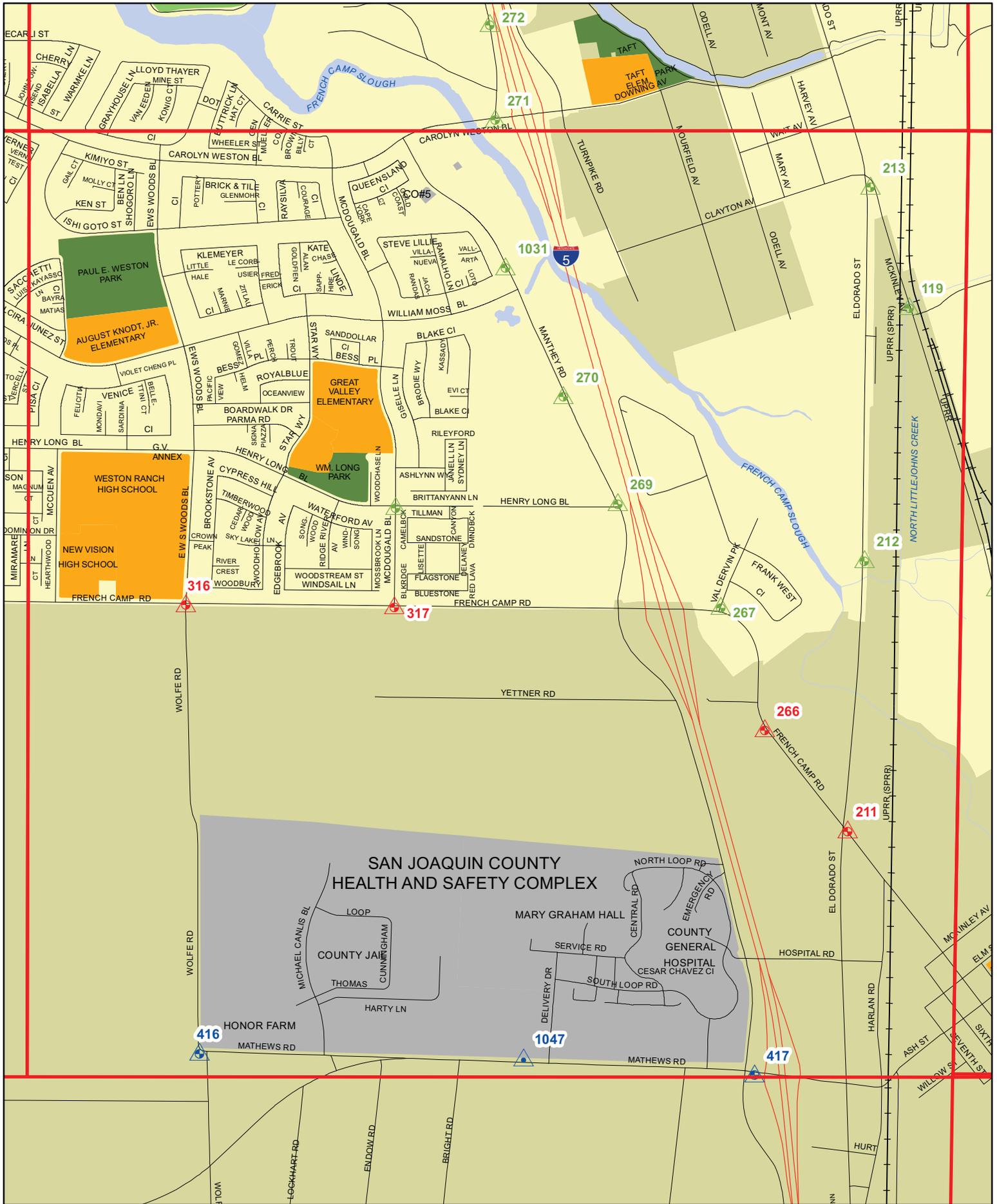


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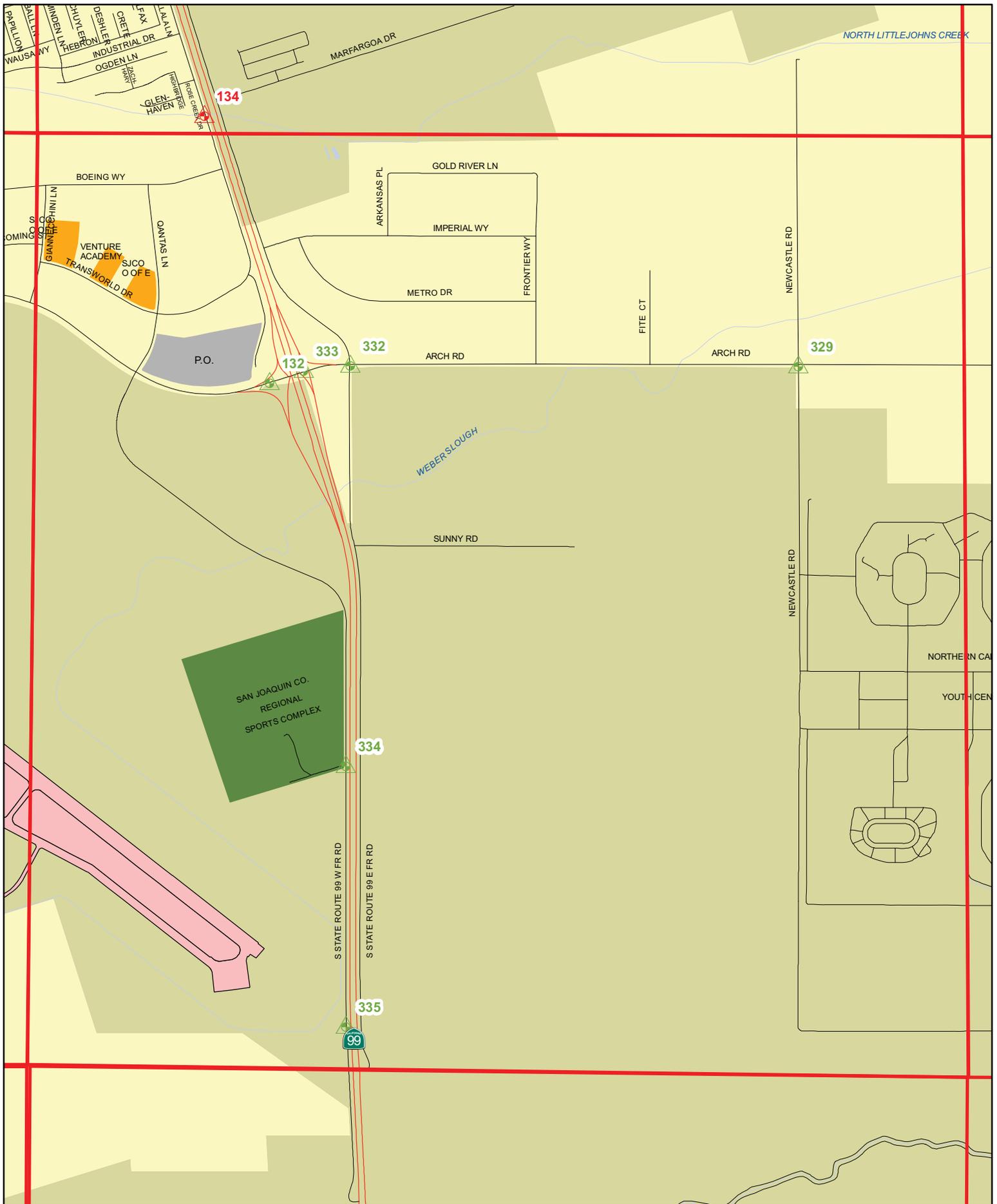
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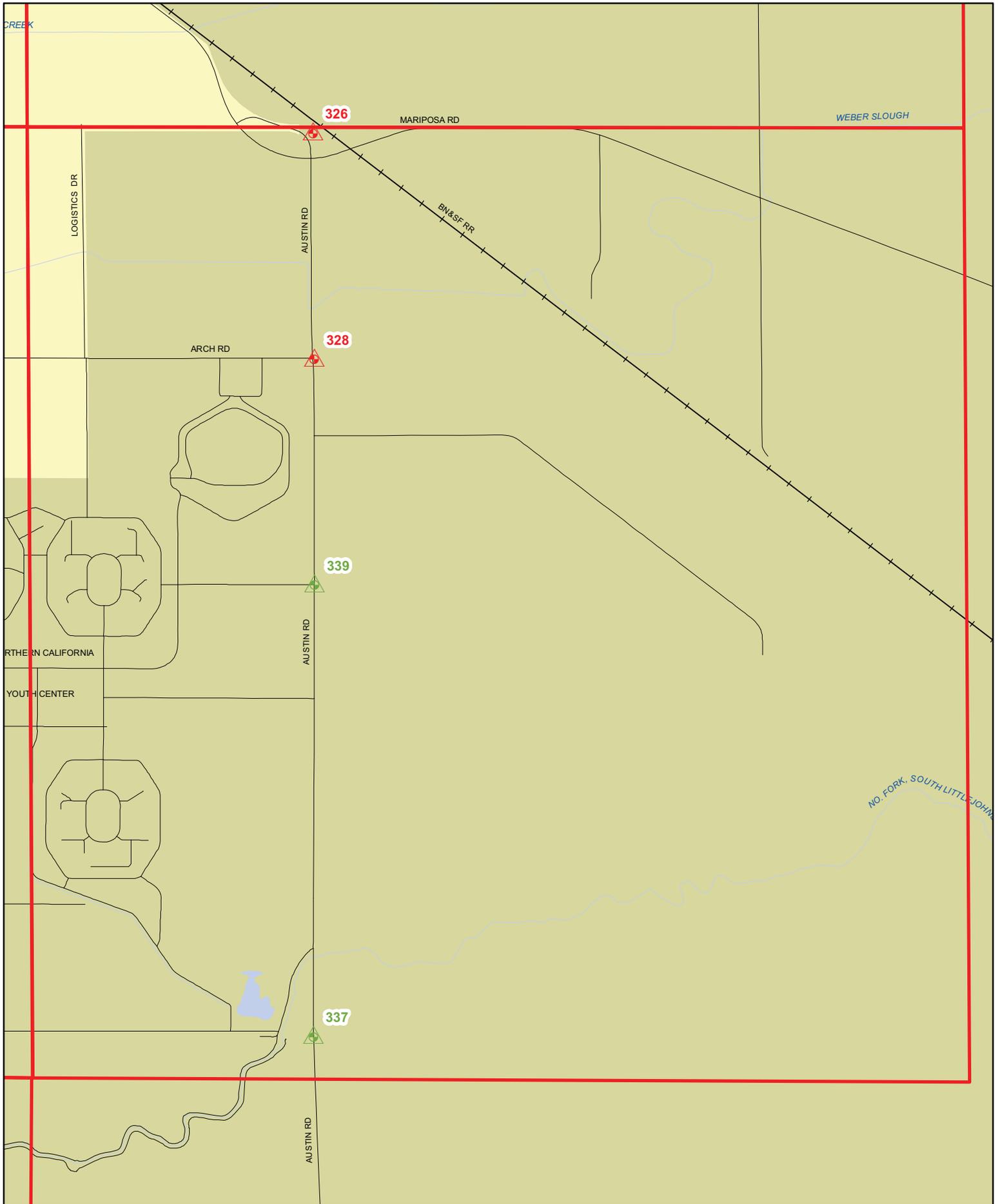












DREEK

WEBER SLOUGH

326

MARIPOSA RD

B.N. & S.F. RR

LOGISTICS DR

AUSTIN RD

328

ARCH RD

339

AUSTIN RD

NORTHERN CALIFORNIA

YOUTH CENTER

337

AUSTIN RD

NO. FORK, SOUTH LITTLE JOHN



Benchmarks

July 2010

Map Grid #
6G

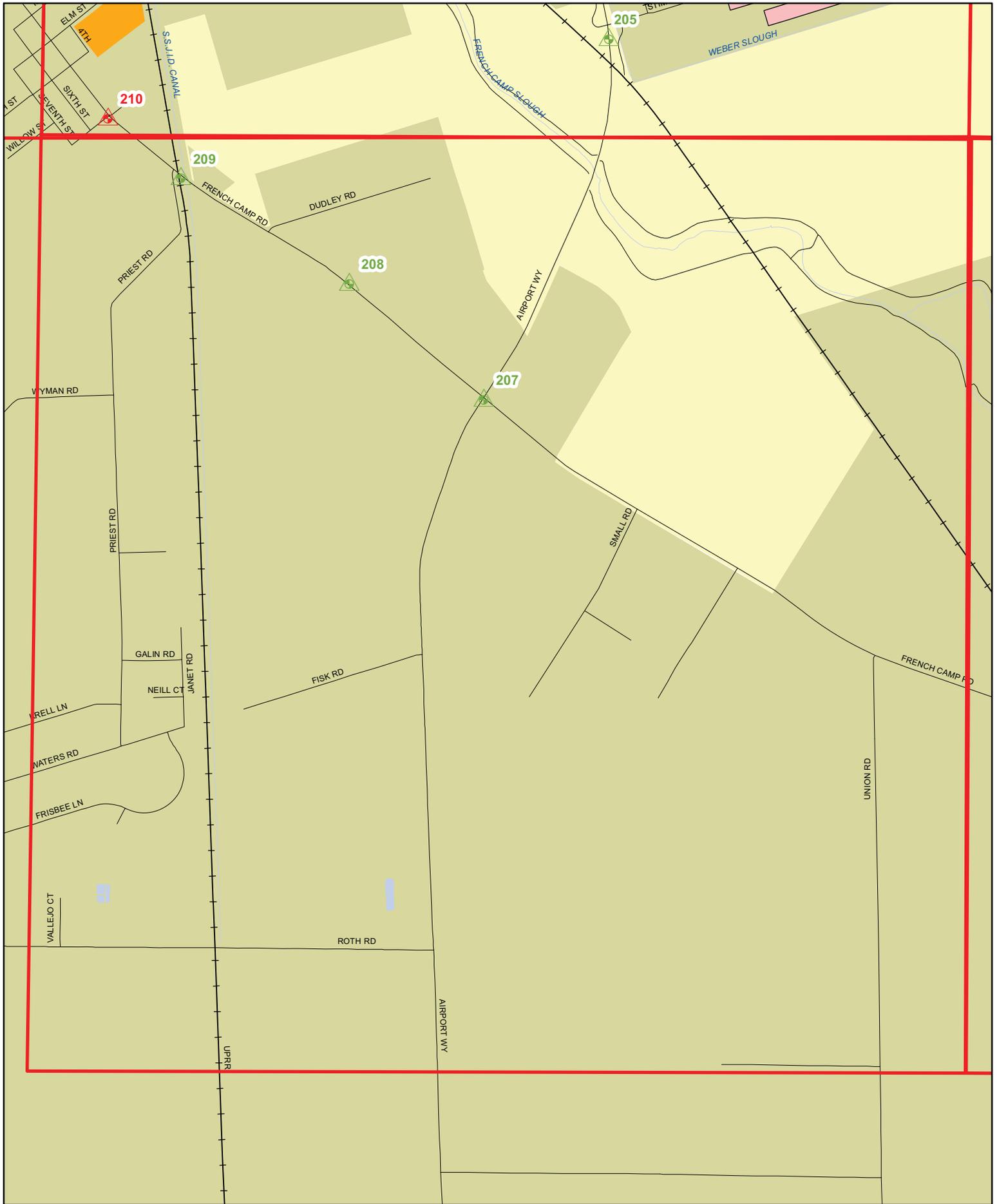


0 290 580 1,160 Feet

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The information on this map is based on the most current available to the City of Stockton Geographic Information System. The information on this map is not intended to replace engineering financial or primary records research.

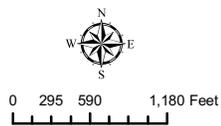




Benchmarks

July 2010

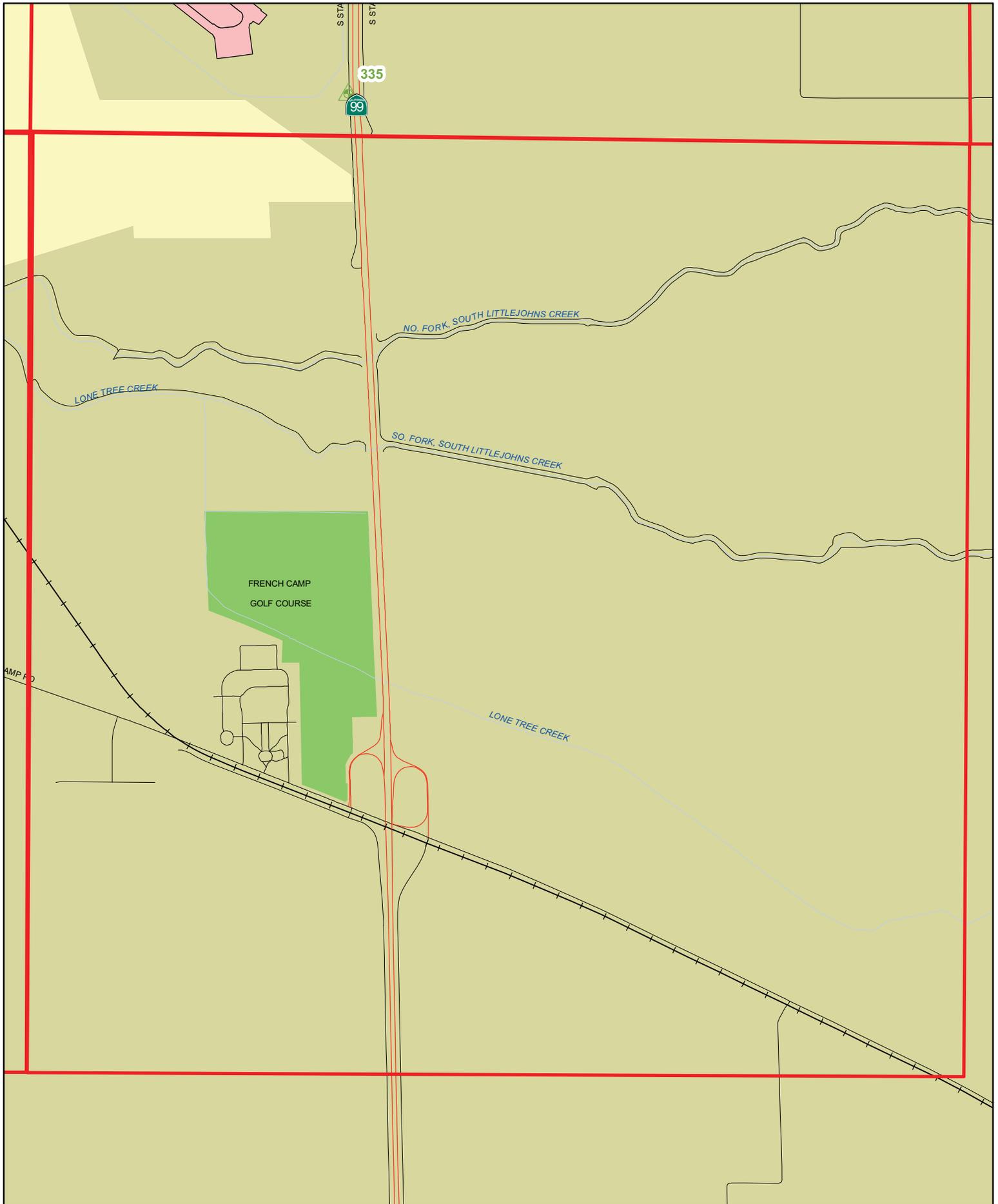
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The information on this map is based on the most current available to the City of Stockton Geographic Information System. The information on this map is not intended to replace engineering financial or primary records research.





COS Benchmark Elevations & Descriptions

NAVD88 Datum

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
2	16.15	San Joaquin County bolt and washer in monument well marking the north one-quarter (1/4) corner of Section 5, Township 2 North, Range 6 East, 8 Mile Rd Bolt and washer marks COS 1N-11.
4	19.95	San Joaquin County brass disk in monument well marking the NE corner of Section 5. Township 2 North, Range 6 East 8 Mile and Davis Roads ERM 277. Brass disk marks COS 1N-10.
5	18.33	San Joaquin County brass disk in monument well marking the east one-quarter (1/4) corner of Section 5, Township 2 North, Range 6 East, Davis Rd Brass disk marks COS 1N-9.
7	16.21	San Joaquin County bolt and washer in monument well marking the east one-quarter (1/4) corner of Section 8, Township 2 North, Range 6 East, Davis and Wagner Heights Roads. ERM 275. Bolt and washer marks COS 1N-7.
8	16.89	San Joaquin County bolt and washer in monument well marking the east one-quarter (1/4) corner of Section 8, Township 2 North, Range 6 East, Thornton and Davis Roads. Bolt and washer mark COS 1N-6.
10	15.21	Brass disk marking COS Monument stamped "1N-5" in monument well in traffic island at the intersection of Thornton Rd and Rivera Rd.
12	13.42	Brass disk marking COS Monument stamped "1N-4" in monument well on the east side of Pacific Ave at the approximate centerline of Benjamin Holt Dr.
13	12.92	Brass disk marking COS Monument stamped "1N-3" in monument well on the east side of Pacific Ave at the approximate centerline of Swain Rd.
14	12.73	Brass disk marking COS Monument stamped "1N-2" in monument well on the east side of Pacific Ave at the approximate centerline of Yokuts Rd.
15	14.08	Brass disk marking COS Monument stamped "1N-1" in monument well on the east side of Pacific Ave near the approx south line of March Ln. *RESET9/97
16*	15.78	E.B.M.U.D. brass disk on top of their maintenance hole structure on the west side of El Dorado St near the center of their right-of-way, Brass disk marks COS 1S-1. *REVISED 3/00
17*	32.18	Brass disk marking COS Monument stamped "1S-2" in the center island of El Dorado St bridge over the Calaveras River.*REVISED 3/00
18	18.96	Brass disk marking COS Monument stamped "1S-3A" in monument well on the north side of Ingram St along the approximate center of Sutter St projected northerly.
19	13.64	Brass disk marking COS Monument stamped "1S-4" in monument well at the intersection of the approximate centerline of Alpine Ave and Sutter St north.
20	15.32	Brass disk marking COS Monument stamped "1S-5" in monument well on the east side of Sutter St and the north side of Wyandotte St.
23	13.61	Brass disk marking COS Monument stamped "1S-8" in monument well at the intersection of the approximate centerline of San Joaquin St south and the center of the north lane of traffic along Harding Way.
24	12.18	Brass disk marking COS Monument stamped "2S-2" in monument well in the traffic island at the NW corner of Pacific Ave and Harding Way.
25	12.01	Brass disk marking COS Monument stamped "2S-1" in monument well in the crosswalk on the east side of Pacific Ave at the approximate centerline of Wyandotte St.
26*	12.41	Brass disk marking COS Monument stamped "1S-9" in monument well at the intersection of the approximate centerlines of San Joaquin St and Oak St. *RESET 1984
28*	14.72	Brass disk marking COS Monument stamped "1S-10" in monument well at the intersection of the approximate centerlines of San Joaquin St and Sonora St. *RESET 1985
29*	14.60	Brass disk marking COS Monument stamped "1S-11" in monument well at the intersection of the approx centerlines of San Joaquin St and Clay St. *RESET 1985

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
31	13.15	Brass disk marking COS Monument stamped "1S-13" in monument well +/- 100 ft north of intersection of realigned Eighth St and El Dorado St.
33	14.23	Brass disk marking COS Monument stamped "1SN-14" in monument well on the south side of Eighth St and the west side of the I-5 over-crossing, approximately 90 ft west of the center traffic island.
35	14.56	Brass disk marking COS Monument stamped "2N-1" RCE 60 in monument box located +/- 11.3 feet north of traffic island of Hammer Ln east of Lower Sacramento Rd.
36	15.33	Brass disk marking COS Monument stamped "2N-2" RCE 60 in monument well located a the NE corner of Hammer Ln and El Dorado St +/- 23.5 ft south of centerline wheelchair ramp.
38	21.55	Brass disk marking COS Monument stamped "2N-4" in monument well at the NW corner of Hammer Ln and West Ln.
39	20.80	Brass disk marking COS Monument stamped "2N-5" in monument well at the intersection of the centerline of Hammertown Dr with the west edge of traveled way of West Ln.
40	20.50	Brass disk marking COS Monument stamped "2N-6" in monument well at the intersection of the centerline of Swain Rd with the traveled way of West Ln.
41	20.36	Brass disk marking COS Monument stamped "2N-7" in monument well on the south side of the E.B.M.U.D. right-of-way along the west edge of paving of West Ln.
42	19.03	E.B.M.U.D. Brass disk on top of their manhole structure at Station P1692+20.58, north of March Ln COS Monument No. 2N-8.
43*	20.08	Brass disk marking COS Monument stamped "2N-9" at the SW corner of West Ln and March Ln. *REVISED 3/00
44*	20.36	Brass disk marking COS Monument stamped "2N-10" in monument well on the west side of West Ln at the approximate centerline of Bianchi Rd. ERM 244. *REVISED 3/00
45	30.94	Brass disk marking COS Monument stamped "2N-11" in monument well in the traffic island in the center of West Ln at the SE corner of the southbound bridge over the Calaveras River.
46*	20.05	Brass disk marking COS Traverse Control Monument stamped "2N-12" in monument well at the NW corner of West Ln and Alpine Ave. *REVISED 3/00
117	15.76	Brass disk marking COS Monument stamped "3S-1" in monument well at the approximate intersection of the centerlines of Ivy Ave and El Dorado St.
119	20.50	Brass disk marking COS Monument stamped "3S-2" in monument well on the west side of McKinley Ave at the approximate centerline of Industrial Dr, east of the Western Pacific R.R. R/W, extended westerly.
120	20.75	Brass disk marking COS Monument stamped "3S-3" in monument well on the east side of McKinley Ave at the approximate centerline of Sperry Rd (west of railroad crossing).
121		NOT FOUND
123*	23.62	Brass disk marking COS Monument stamped "3S-5" in monument well in the center of the intersection of Sperry Rd and Airport Way. *REVISED 3/00.
125*	22.13	Brass disk marking COS Monument stamped "3S-4" in the center of the intersection of Airport Way and Industrial Dr. *REVISED 3/00
128*	23.28	Brass disk marking COS Monument stamped "3S-6" in monument well in the centerline of Arch-Airport Rd at the end of curve. *REVISED 3/00
130*	27.30	Brass disk marking COS Monument stamped "3S-7" in monument well in the centerline of Arch-Airport Rd at the beginning of a 1809.34' radius curve. *REVISED 3/00
132		NO MONUMENT FOUND IN WELL.
134	31.99	Brass disk marking COS Monument stamped "3S-9" in monument well on the west side of South 99 Frontage Rd at North Little John Creek.

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
135*	32.58	Brass disk marking COS Monument stamped "4N-1" in monument well on the south side of McAllen Rd 15ft west of the S.P.R.R. tracks *REVISED 3/00.
140	24.21	Brass disk marking COS Monument stamped "4N-6" in concrete bridge deck of southbound West Ln bridge over Mosher Slough. ERM 242
142		NO MONUMENT FOUND IN WELL.
145	32.18	Brass disk marking COS Monument stamped "4N-5" in monument well on south side of Morada Ln approximately 200ft west of the S.P.R.R. tracks. ERM 239
147	30.87	Brass disk marking COS Monument stamped "4N-8" in monument well on the west side of the West Ln bridge over Bear Creek at the south end of the bridge.
150	26.84	Brass disk marking COS Monument stamped "4N-10" in monument well on the center of Wakefield Rd (private) at the west R/W line of the W. P. R. R.
152*	26.77	Brass disk marking COS Monument stamped "4N-11 LS 7520 RESET 2/00" in top concrete cylinder in approximate center South Bear Creek levee on 1/4 Section Line located +/- 200 ft west of Lower Sacramento Rd. *RESET 2/00
156*	17.68	Brass disk marking COS Monument stamped "4N-12" in monument well on the east side of Thornton Rd at the SE corner of the Thornton Rd bridge over Bear Creek. *RESET 4/94
157	10.33	Brass disk marking COS Monument stamped "4N-13" on top of concrete cylinder on the centerline of the lower levee of Bear Creek on the approximate centerline of the west Frontage Road for I-5 extended northerly.
158	13.08	Brass disk marking COS Monument stamped "4N-14" in monument well at the approximate centerline of the west I-5 Frontage Rd. +/- 150ft south of Mosher Slough.
159*	8.30	Brass disk marking COS Monument stamped "4N-15" in sidewalk on the east side of Mariners Dr +/- 1,150ft north of Hammer Ln. *RESET 7/93
160	4.46	Brass disk marking COS Monument stamped "4N-16" in monument well at a point 40' south of the intersection of the centerlines of Mariners Dr and Hammer Ln.
162	7.51	Brass disk marking COS Monument stamped "4N-17" in monument well at the approximate intersection of the center of Meadow Ave with the south line of Hammer Ln.
163	10.53	Brass disk marking COS Monument stamped "4N-18" in monument well on the south side of Hammer Ln in the west crosswalk at Alexandria Pl.
164*	16.28	Brass disk marking COS Monument stamped "5S-1" in monument well at the intersection of the approx centerlines of Oak St and Union St.*RESET 12/98
167*	20.98	Brass disk marking COS Monument stamped "5S-4" in monument well on the south side of Fremont St at the approximate centerline of Gratten St. *RESET 9/92
168*	23.43	Brass disk marking COS Monument stamped "5S-5" in monument well at the intersection of approximate centerline of Fremont St with the easterly R/W line of Filbert St. *RESET 7/93
169	23.64	Brass disk marking COS Monument stamped "5S-6" in monument well on the west side of Filbert St 5 ft south of the south rail of the S.P.R.R. track.
170*	24.11	Brass disk marking COS Monument stamped "5S-7" in monument well at the intersection of approximate centerlines of Filbert St and Main St. *REVISED 3/00
171*	26.65	Brass disk marking COS Monument stamped "5S-8" in monument well at the intersection approximate centerlines of Main St and David Ave. *REVISED 3/00
172	26.70	Brass disk marking COS Monument stamped "5S-9" in monument well on the approximate centerline of David Ave approximately 41 ft north of the center dividing line of Charter Way.
174	21.60	Brass disk marking COS Monument stamped "5S-11" in monument well on the south side of Charter Way approximately 20 ft north of the south R/W fence.
175	24.97	Brass disk marking COS Monument stamped "5S-12" in monument well in traffic control island at the south side of Charter Way at Mariposa Rd.
176	26.66	Brass disk marking COS Monument stamped "5S-13" in monument well on the north side of Mariposa Rd at the approximate centerline of Silva St.

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
177*	28.91	Brass disk marking COS Monument stamped "5S-14" in monument well on the north side of Mariposa Rd approximately 300 ft east of the Frontage Road entrance. *REVISED 3/00
178	29.59	Brass disk marking COS Monument stamped "5S-15" in monument well on the west side of 99 Frontage Rd at Duck Creek. *REVISED 3/00
179*	28.33	Brass disk marking COS Monument stamped "5S-16" in monument well on the west side of 99 Frontage Rd on the extension of Carpenter Rd centerline. *REVISED 3/00
180	19.21	Brass disk marking COS Monument stamped "5S-17" in monument well on the west side of Airport Way at the extension of Ralph Ave centerline.
181	22.20	Brass disk marking COS Monument stamped "5S-18" in monument well at the beginning of curve in the center divider of Airport Way approximately 180 ft north of Duck Creek.
182	18.29	Brass disk marking COS Monument stamped "5S-19" in monument well on the west side of Airport Way on the extension of Eighth St centerline.
183	19.06	Brass disk marking COS Monument Stamped "5S-20" in monument well on the west side of Airport Way at the intersection of approximate centerline of Clay St.
184	14.03	Brass disk marking COS Monument stamped "5S-21" in monument well at the intersection of approximate centerlines of French Camp Turnpike and Clay St.
185		NO MONUMENT FOUND IN WELL.
187	6.60	Brass disk marking COS Monument stamped "5S-23" in monument well at the intersection of approximate centerline of Charter Way and the centerline of Fresno Ave.
188*	7.19	Brass disk marking COS Monument stamped "5S-24" in monument well at the centerline intersection of Fresno Ave and Eighth St. *RESET 7/91
189		NOT FOUND
190		NOT FOUND
191*	32.14	Brass disk marking COS Monument stamped "6S-3" in monument well on the centerline of the paved driveway for the north levee road of the Diverting Canal on the easterly side of Cherokee Ln. *REVISED 04/03
192	35.33	Brass disk marking COS Monument stamped "6S-4" in monument well +/- 3.0ft northeasterly of the northeasterly corner of the Waterloo Rd bridge over the Diverting Canal.
193*	40.49	Brass disk marking COS Monument stamped "6S-5" in concrete pillar 4.0ft NE of the SE headwall of the S. T. & E. Railroad bridge over the Diverting Canal. *RESET 2/00
194A	43.19	Brass disk marking COS Monument stamped "6S-6A" in north concrete sidewalk 20 ft east of west end of the Fremont St (Hwy. 26) bridge over the Diverting Canal. *Relocated 7/93
195*	45.32	Brass disk marking COS Monument stamped "6S-7" in concrete pillar +/- 2.0ft east of SE headwall of the S.P.T. Co. bridge over the Diverting Canal and +/- 9.3ft south of the south rail, 8.4ft to the NE corner of south bridge deck also +/- 26.37ft from cut "L" on the SE corner of the NE headwall. *RESET 2/00
196*	39.42	Brass disk marking COS Monument stamped "6S-8" in monument well +/- 125ft south of the S.P.T. Co. tracks, between the A.C. berm and fog line on the west side of Cardinal Ave. *REVISED 3/00
197	30.26	Brass disk marking COS Monument stamped "6S-9" in 3" diameter pipe 5ft south of the south rail of the S.P. T. Co. tracks on the centerline of paving of Gertrude Ave projected northerly.
199	48.06	Brass disk marking COS Control Monument stamped "6S-11" in concrete bridge deck +/- 2ft west of the easterly end of the bridge deck at the southeasterly corner of the Main St bridge over the Diverting Canal.
204*	24.27	Brass disk marking COS Monument stamped "6S-14" in monument well near the intersection of centerline of Airport Way and C.E. Dixon Dr. *REVISED 3/00

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
205*	26.12	Brass disk marking COS Monument stamped "6S-15" in concrete pillar +/- 100ft south of the north end and in the center of the A.C. paved traffic island in the center of Airport Way, south of Stimson St. *REVISED 3/00
207*	25.95	Brass disk marking COS Monument stamped "6S-17" in monument well at the intersection of centerlines of Airport Way and French Camp Rd. *REVISED 3/00
208	21.61	Brass disk marking COS Monument stamped "6S-18" in monument well +/- 6' north of the fog line on the north side of French Camp Rd at the centerline of the driveway at 835 E. French Camp Rd. *REVISED 3/00
209	23.86	Brass disk marking COS Monument stamped "6S-19" in monument well +/- 30' easterly of the W.P.R.R. Co. tracks between the A.C. berm and fog line on the southerly side of French Camp Rd.
210*	18.86	Brass disk marking COS Monument stamped "6S-20" in monument well at the intersection of centerline of Ponderosa St with the southerly traveled way of French Camp Rd. *REVISED 04/03
211	20.27	Brass disk marking COS Monument stamped "6S-21" in the SW corner of the concrete traffic light base in the traffic island at the NE corner of El Dorado St and French Camp Rd.
212	17.90	Brass disk marking COS Monument stamped "6S-22" in monument well between the fog line and the A.C. berm on the easterly side of El Dorado St at the approximate north back (on the west side of El Dorado St) of North Fork Little John Creek.
213	18.70	Brass disk marking COS Monument stamped "6S-23" in concrete pillar +/- 50ft south of the north end and +/- 7ft east of the west side of the largest A.C. paved traffic island at the Clayton-El Dorado-McKinley intersection.
214	8.91	Brass disk marking COS Monument stamped "7N-1" in monument well at west end of Hammer Ln.
215*	14.19	Brass disk marking COS Monument stamped "7N-2" in monument well on the north side levee of 5 Mile Slough. 19ft east of the City limits line . *RESET 1/90
221*	11.62	Brass disk marking COS Monument stamped "7N-8" in monument well on the north bank of 14-Mile Slough on top of the levee 40 ft west of the west line of WILDWOOD, Maps and Plats Vol. 26, Pg 49. *REVISED 3/00
222*	13.69	Brass disk marking COS Monument stamped "7N-9" in monument well on the south bank of 14-Mile Slough on top of levee 40 ft west of the west R/W fence of I-5. *REVISED 3/00
223	1.94	Brass disk marking COS Monument stamped "7N-10" in monument well 853 ft north of the end of improvements of Feather River Dr. 10.7 ft west of the west R/W fence of I-5.
225		NOT FOUND
226	0.94	Top 3/4" iron pin marking COS Monument in monument well at intersection of centerline of Feather River Drive and south R/W line of March Ln . Monument marks COS Monument "7N-1" *RESET 11/91.
229	16.64	Brass disk marking COS force main with witness post stamped "Force Main 5, 2 ft west" on top of levee on north bank of Calaveras River, 103 ft west of the I-5 bridge. COS "7N-16"
230	17.99	Brass disk marking City of Stockton Traverse Control Monument stamped "7N-17" on top of the levee on the south bank of the Calaveras River 99 ft west of I-5 bridge.
233	6.01	Brass disk marking E.B.M.U.D. Station P1819+02.27 on top of concrete structure 40 ft north of north face of curb of Hilton Hotel's west parking lot.
234	8.03	Brass disk marking E.B.M.U.D. Station P1794+63.54 on top of concrete structure 1.5 ft west of the E.B.M.U.D. barricade at Grouse Run.
235*	11.93	Brass disk marking E.B.M.U.D. Station stamped "P1769+77.82" on top of concrete structure 270 ft east of Pershing Ave. *RESET 1991
236	11.65	Chiseled "+" on top of curb south side March Ln at west curb return entrance to Greek Orthodox Church. COS "7N-19"

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
237*	10.90	Brass disk marking COS Monument stamped "7S-1" in monument well at intersection of Oak St and Lincoln St. * RESET 7/93
239*	13.02	Brass disk marking Caltrans reference monument stamped "RM 1" in monument well at the intersection of the centerline of Pershing Ave and the north R/W of Fremont St +/- 12 ft south of center divider. * RESET 7/93
240	9.85	Brass disk marking Caltrans reference monument stamped 23 at the north end of traffic channelization island at exit of I-5 and Fremont St.
243*	7.88	Brass disk marking COS Monument stamped "7S-5" in monument well at intersection of Washington St and Fresno Ave. * RESET 10/01
244	2.93	Brass disk marking COS Monument stamped "7S-6" in monument well at intersection of Scotts St and Fresno Ave.
248	2.01	Brass disk marking Caltrans reference monument stamped "1627L" at SE corner of Michigan and Ryde Ave. COS "8S-3".
249*	2.56	Brass disk marking Caltrans reference monument stamped "1618L" at NE corner of Country Club Blvd and Ryde Ave. COS "8S-4". *REVISED 3/00
252*	14.89	Brass disk marking COS Monument stamped "8S-7" in monument well on south bank of Smiths Canal, 36 ft west of I-5 bridge in south side of gravel access Rd. *REVISED 3/00
253	4.66	Brass disk marking COS Monument stamped "8S-8" in monument well on approximate centerline of Ryde Ave and 10 ft south of centerline of Fremont St.
255		NOT FOUND
256	6.64	Chiseled "+" over hole in top of curb on north side of Fremont St and approximate centerline of San Juan Ave to the south. Chiseled "+" marks COS Monument 8S-11.
258*	6.38	Brass disk marking COS Monument stamped "8S-13" in monument well 20 ft south of centerline of Country Club Blvd, between the body shop and car wash. *REVISED 04/03
259	5.76	Brass disk marking COS Monument stamped "8S-14" in monument well, at the approximate centerlines of Country Club Blvd and Mission Rd.
260	7.13	Brass disk marking COS Monument stamped "8S-15" in monument well, at the approximate centerline of Country Club Blvd in the east crosswalk of Pershing Ave.
261	8.48	Brass disk marking COS Monument stamped "8S-16" in monument well in traffic island at the SW corner of Alpine Ave and Pershing Ave.
263	22.45	Brass disk marking U.S.C.&G.S. reference monument stamped "Pacific" on south bank of Calaveras River, +/- 155 ft east Pershing Ave Brass disk marks COS Monument 8S-18.
266*	22.36	Brass disk marking COS Monument in monument well on south side of French Camp Rd at approximate b.c. of French Camp Rd to the west. *No stamp or punch mark RESET
267	19.37	3/4" iron pin in monument well on centerline of Val Dervin Pkwy at French Camp Rd. COS "8S-22"
269	21.65	Brass disk marking COS Monument stamped "8S-24" in monument well on approximate centerline of Manthey Rd north of Wolfe Rd.
270	19.91	Brass disk marking COS Monument stamped "8S-25" in monument well 15 ft west of approximate centerline of Manthey Rd and 75 ft north of road to east crossing drainage ditch.
271*	21.88	Brass disk marking COS Monument stamped "8S-28" in monument well at approximate intersection of Downing Ave and Manthey Rd. * RESET 8/96
272	20.67	Brass disk marking COS Monument stamped "8S-29" in monument well at approximate centerline of Manthey Rd south of Walker Slough.
273	13.24	Brass disk marking COS Monument stamped "8S-30" in monument well at approximate intersection of Houston Ave and Manthey Rd.
276*		NOT FOUND

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
277	6.98	Brass Disk Marking COS Monument "9N-3" in monument well at intersection of 8 Mile Rd and on-off ramps on west side of I-5. *RESET 2/00
280		San Joaquin County bolt and washer marking COS Monument number 9N-6 on centerline of Thornton Rd approximately 2775 ft south of 8 Mile Rd.
282	26.21	Brass disk marking COS Monument stamped "9N-8" 3 ft south of San Joaquin County Bench mark number VW-17 in NW corner of the bridge over Pixley Slough on 8 Mile Rd.
284	24.61	Brass disk marking COS Monument stamped "9N-10" in monument well on easterly edge of pavement of Lower Sacramento Rd approximately 2270 ft southwesterly of 8 Mile Rd.
285	28.01	Punch mark, marking the COS Monument number "9N-11", on top of middle of one of three vertical guard posts (old RR rails) protecting crossing signal for southbound traffic of Lower Sacramento Rd on north side of WPRR tracks, 49 ft south of Bench Mark No. 286.
287	27.33	San Joaquin county brass disk stamped "UV-17" on north end of headwall on south side of 8 Mile Rd approx 10 ft east of mail box #804, +/- 0.2 mi. east of Lower Sacramento Rd.
291	39.50	Brass disk marking City of Stockton Traverse Control Monument stamped "9N-14" in monument well on the south side of 8 Mile Rd, 1 ft north of A.C. berm, 26 ft west of west rail of S.P.R.R. ERM 282
294	46.10	Brass disk marking COS Monument stamped "9N-17" in the NE corner of traffic median in the SE quadrant of 8 Mile Rd and the west Frontage Rd of HWY 99.
296	37.24	Brass disk marking COS Monument stamped "9N-19" in monument well 2 ft west of east curb of the west Frontage Rd (HWY 99) at the approximate centerline of Waller Rd.
297		NOT FOUND
301	34.27	Brass disk marking COS Monument stamped "9N-24" in monument well 4 ft east of west edge of pavement of west Frontage Rd (HWY 99) at approximate north line of E.B.M.U.D. R/W.
302		NOT FOUND
303		NOT FOUND
305*	4.69	Brass disk marking COS monument stamped "10S-1" in monument well on north side of Washington St near entrance to Port of Stockton main offices. *REVISED 03/02
306	8.17	Brass disk marking COS monument stamped "10S-2" in monument well on west side of traffic island at Navy Dr and Washington St.
307	18.45	Brass disk marking COS monument stamped "10S-3" +/- 15 ft south of centerline of A.T.S.F. RR track at west end of the Navy Dr. underpass.
309		NOT FOUND
310*	21.88	Brass disk marking COS monument stamped "10S-6" on the east levee of San Joaquin River and on the north levee of French Camp Slough. *REVISED 03/01
311	5.12	Brass disk marking COS monument stamped "10S-7" in monument well, west of entrance to Van Buskirk Golf Course on Houston Ave.
312*	21.56	Brass disk marking COS monument stamped "10S-8" on the east levee of San Joaquin River, 3,100 ft south of intersection of French Camp Slough. *REVISED 3/00
313*	23.15	Brass disk marking COS monument stamped "10S-9 RESET 05/03" on the east levee of San Joaquin River west of Weston Ranch Pump Station. *RESET 05/03
314*	22.21	Brass disk marking COS monument stamping is illegible on east side of the east levee of San Joaquin River on westerly extension of Wolfe Rd, +/- 37 ft south of levee gate. +/- 6ft west of a grade break. *REVISED 3/00

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
315*	6.39	Brass disk marking COS monument stamped "10S-11 RESET 2/02" in monument well +/- 3200 ft west of McCuen adjacent to the 4th fire hydrant west of McCuen in the approximate centerline of French Camp Rd +/-25.9 ft south of face of curb. * RESET 02/02
316*	11.19	Brass disk marking COS Monument stamped "10S-12 LS6953 9-2000" in monument well at approximate centerline of the eastbound lane of French Camp Rd, and the centerline of E.W.S. Woods Blvd of centerline of Wolfe Rd east and south. * RESET 03/02
317*	13.81	Brass disk marking COS Monument stamped "10S-13 LS 4876 1-95" in monument well at intersection of centerline of French Camp Rd and McDougald Blvd. * RESET 1995
318*	12.21	Brass disk marking COS monument stamped "10S-14" in monument well at intersection of centerline of Wolfe Rd east and south. * RESET 1995
322	36.54	Brass disk marking COS Monument stamped "11S-2" in monument well on north side of Mariposa Rd within PG&E high-voltage transmission line R/W crossing Mariposa Rd approximately 1,600 ft SE of Carpenter Rd.
324	44.16	Brass disk marking COS Monument stamped "11S-3" in monument well on northerly side of Mariposa Rd approximately 3,067 ft NW of Austin Rd.
326	49.72	Brass disk marking COS Monument stamped "11S-4" on south line of Mariposa Rd and east line of Austin Rd at section corner.
328	46.10	Brass disk marking COS Monument stamped "11S-5" in monument well at intersection of east shoulder of pavement of Austin and Arch Rd at quarter (1/4) corner.
329	38.71	Brass disk marking COS Monument stamped "11S-6" in monument well at centerline of intersection of Arch Rd and Newcastle Rd. Quarter (1/4) corner.
332		NOT FOUND
333		NOT FOUND
334	32.43	Brass disk marking COS Monument stamped "11S-12" in monument well on the west side of State Hwy Rt 99 south Frontage Rd opposite the entrance to San Joaquin County Sports Complex.
335	31.80	Brass disk marking COS monument stamped "11S-11" in monument well on west side of State Hwy Rt 99 south frontage Rd at SE corner of the Stockton Metropolitan Airport.
337	43.76	Brass disk marking City of Stockton traverse control monument stamped "11S-9" in monument well in the centerline of Austin Rd at a point marking the SE corner of Section 34, Township 1 North, Range 7 East, Mount Diablo Base and Meridian.
339	44.04	Brass disk marking COS monument stamped "11S-8" in monument well in centerline of Austin Rd at a point marking the NE corner of Section 34, Township 1 North, range 7 East. Mount Diablo Base and Meridian.
340	9.40	5/8" aluminum rod driven to refusal with 2-1/2" diameter aluminum cap stamped "CORP L.S. 4334" in an aluminum monument well with screw locking cover in the COS corporation yard, 1465 S. Lincoln St The point is located 30 ft south of approximate center of the truck wash structure. Contact the City of Stockton Surveys Section for access.
341	28.83	5/8" aluminum rod driven to refusal with 2-1/2" diameter aluminum cap stamped "Well 26, L.S. 4334," in an aluminum monument well with screw locking cover; Bench Mark in located within the locked City of Stockton Well Site No. 26, on south side of Hammer Ln, on the west side of the EBMUD right-of-way. The point lies in center of paved area east of well building. Contact the City of Stockton Surveys Section for access.
354		NOT FOUND

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
372	27.27	ERM 279 is located north of Stockton. To reach from the northbound exit to 8 Mile Rd from I-5, go east on 8 Mile Rd 3.35 mi. to Lower Sacramento Rd. (Hwy J10) and the station. The station is located 0.80 mi. west of West Ln (Hwy 13) on Lower Sacramento Rd. The station is a San Joaquin County brass disk stamped "VU-17". It is located in north end of west headwall of a culvert under Lower Sacramento Rd and is 50 ft more or less south of 8 Mile Rd.
383	37.30	Brass disk marking Caltrans monument PM 18.14 on south side of the Main St bridge over U.S. Hwy 99.
386	25.32	Found San Joaquin County bolt and washer. Set standard brass cap stamped "14S-27" marking COS in cast iron monument well at intersection of Carpenter Rd and Pock Ln. *REVISED 4/03
396	24.53	Brass disk marking COS Monument in monument well stamped "CITY OF STOCKTON SURVEY MONUMENT" located approximately 100 ft north of Hammer Ln and approximately 50 ft west of railroad tracks and 50 ft east of a pump station. Brass disk marks COS 14N-6.
397	17.17	Brass disk marking COS Monument stamped "CITY OF STOCKTON SURVEY MONUMENT" in monument well, in sidewalk located north of Hammer Ln west of Grade separation at Union Pacific Railroad.
399	4.84	Brass disk marking COS Monument stamped COS "14N-7 LS 6670" located at north side of Benjamin Holt approximately 100 ft west of Alexandria Place.
400	7.79	Brass disk marking COS Monument stamped "14N-8" in monument well at centerline intersection of Benjamin Holt Drive and Harrisburg.
401	9.60	Brass disk marking COS Monument stamped "14N-9" in monument well +/- 5.5 ft SE of south curb return, NW corner of Benjamin Holt Drive and Pershing Avenue.
402	30.60	Brass disk marking COS Monument stamped "14S-2 LS 6670" located at the NE corner of McAllen Rd and Wilson Way.
403	29.35	Brass disk marking COS Monument stamped "14S-3 LS 6670" in a monument well located at Wilson Way and the Department of Fish and Game Office.
404		DISTURBED
405	0.35	Brass disk marking COS Monument stamped "14S-17" in monument well at north side of West Alpine and centerline of Ryde Avenues west of I-5 +/- 4.5 ft south of end traffic island between Ryde Avenue and I-5 off-ramp.
406	41.23	Brass disk marking COS Monument stamped "14S-19" in a monument well located at Farmington Rd and Gillis Rd.
407	34.38	Brass disk marking COS monument stamped "14S-20 LS 6670" in monument well located at projected centerline of Walker Rd at south side of Farmington Rd.
408	31.51	Brass disk marking COS monument stamped "14S-21", in monument well located at Farmington Rd and Sinclair.
409	34.78	Brass disk marking COS Monument stamped "14S-22" in monument well located on south edge of median strip of Farmington Rd east of Stagecoach. Punch mark is off center of disk.
410	30.86	Brass disk marking COS Monument stamped "14S-23 LS 6670" located on north edge of Highway 4 at south Highway 99 off-ramp at the projected centerline of Ladd Tract Rd east of Netherton Ave.
411	27.36	Brass disk marking COS Monument stamped "14S-24" in monument well +/- 39 ft NW of centerline wheelchair ramp at the SE corner of Farmington Rd and Mariposa Rd.
412	25.16	Brass Disk marking COS Monument Stamped "14S-25" in monument well located at Eighth St and Pock Ln. Punch mark is off center of disk.
413	25.37	Brass disk marking COS Monument stamped "14S-26 LS6670" in monument well located at the centerline of Pock Ln at Loomis Rd.
415	34.12	Brass disk in marking COS Monument stamped "14S-1S" in monument well located at Walker Ln and Section Ave.

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BENCH MARK #	ELEV. FT.	DESCRIPTION
416	12.06	Brass disk marking COS Monument stamped "14S-29" in monument well located along south edge of pavement at approx. midpoint of curve at intersection of Mathews Rd and Wolfe Rd.
417	17.10	Brass disk marking COS Monument stamped "14S-30" in monument well located at centerline Mathews Rd and northbound on-ramp to I-5.
418	30.54	Brass disk marking COS Monument stamped "14S-28" in monument well located at the north side of Mariposa Rd +/- 500 ft east of Stagecoach Rd.
419	17.05	Brass disk marking COS Monument stamped "14S-13" in monument well located at west side of Union St and the centerline of Sonora.
420	11.82	Brass disk marking COS Monument stamped "14S-14 LS 6670" in monument well located at the southeast corner of Sonora and Madison.
421	11.82	Brass disk marking COS Monument stamped "14S-15 LS 6670" located at SW corner of Weber and Madison.
422	12.62	Brass disk stamped "SJ 238 10R" located in top of a concrete walk on the SE corner of bridge on south side of Weber Ave at Mormon Slough. Brass disk marks COS Monument 14S-5.
423	20.79	Brass disk in marking COS Monument stamped "14S-6" in monument well located at NW corner of Sanguinetti and Wilson Way.
424	18.76	Brass disk marking COS Monument stamped "14S-7 LS 6670" 5 ft east of the west curb on Wilson Way approximately 100 ft north of Bradford St.
425	16.68	Brass disk marking COS Monument stamped "14S-8 LS 6670" located at NW corner of Harding Way and Wilson Way intersection.
426	19.31	Brass disk marking COS Monument stamped "14S-9" in monument well located +/- 7.8 ft west of traffic island east side at the intersection of Waterloo Rd and Wilson Way.
427	17.07	Brass disk marking COS Monument stamped "14S-10" in monument well located on the east side of Wilson Way and the approximate centerline of Oak St projected easterly. +/- 4 ft west of a traffic island at the south entrance of Eastland Plaza.
428	20.41	Brass disk marking COS Monument stamped "14S-11" in monument well located south side of Cherokee Rd and the approximate centerline of Sanguinetti Ln projected southerly +/- 8.6 ft north of flowline of driveway.
429	9.59	Brass disk marking COS Monument stamped "14N-10" in monument well located east side of Pershing Ave +/- 4.0 ft west of east face of curb and +/- 41.0 ft south of centerline driveway of north entrance between Robinhood Dr and Buckingham.
430	21.53	Brass disk marking COS monument stamped "14S-5, LS 6670" 15 feet west of the east curb on Sanguinetti, approximately 40 feet south of the centerline of Alpine.
431	32.86	Brass disk marking COS Monument stamped "14S-1" in monument well +/- 49.6 ft east of the SE corner of the bridge over Calaveras River, on McAllen Rd +/- 6.5 ft south of road edge.
432		NOT FOUND
433	27.54	Brass disk marking COS Monument stamped "14N-2" in monument well located on the north side of 8 Mile Rd. +/- 250 ft west of the Union Pacific Railroad Crossing.
434		NOT FOUND
435	29.73	Brass disk marking COS Monument stamped "14N-3 LS 6670" +/- 150 ft west of the intersection of 8 Mile Rd and West Ln on the north side of 8 Mile Rd.
1014	17.67	3/4" Rebar with cap stamped "LS 4334" marking COS monument no. "12N-1". Monument is on the east side of 10-Mile Levee, 925 ft north of March Ln extension.
1016	32.03	E.B.M.U.D. Brass Disk stamped "P1563+33.05 (Reset 1991)" on concrete structure, 600 ft NE along EBMUD R/W from its intersection with Hammer Ln, west of Maranantha Dr.
1017		DISTURBED

Appendix B: Benchmark Elevations & Descriptions

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BENCH MARK #	ELEV. FT.	DESCRIPTION
1019	21.31	Brass disk marking COS Monument stamped "1N-8 RCE 8189" in monument well east side of Davis Rd, near south end of bridge over Bear Creek. ERM 276.
1025	21.00	3/4" rebar with yellow cap marking COS Monument stamped "LS 4334" on the west side of the levee road +/-1352 ft from split.
1026	20.38	3/4" Rebar with yellow cap marking COS monument stamped "LS 4334". Monument is on the north side of levee road, +/-1 ft north of edge of pavement, just west of projected northerly line of Jonathen St.
1031	20.60	Iron pin in monument well in the south bound lane of Manthey Rd approximately 200 ft North of William Moss Blvd Iron pin marks COS survey control monument 8S-27.
1034*	38.03	Brass disk marking COS monument stamped "6S- T1 RESET 7-93" in monument well on south side of Main St +/- 2285 ft east of centerline of Cardinal Ave. *REVISED 3/00
1035	33.18	Brass disk marking COS monument stamped "6S- T2" in monument well at north side of Main St at Walker Rd. (south).
1044 (HS0093)	22.85	Brass disk on top of concrete barricade at the SW corner of the top of UPRR (SPRR) bridge overpass of Charter Way. Stamp unreadable.
1046(AE9895)	20.10	Brass disk stamped "4867 A" in broken off PVC pipe, 200' +/- south of BNSF Railroad tracks, on east side of levee road.
1047(HS0118)	16.61	Brass disk stamped "Mathew 1959" in concrete cylinder at curb on north side of Mathews Rd in front of San Joaquin County Juvenile Court Bldg No. 535.
1048(JS1315)	27.80	Station description: described by National Geodetic Survey 1951: 3.9 mi north along the S.P.R.R. from the station at Stockton, 4 rails north of mile pole no. 95, at bridge no. 95.01 over the E.B.M.U.D. pipe line, in the top of the SW end of the south abutment, 6.7 ft west of the west rail of the west track, and set 1 1/2-ft lower than the top of the rail. Add-0.8 km (0.50 mi) south of the crossing of Hammer Ln and the S.P.R.R. Note: City of Stockton BM "N".
1050(HS0082)	21.30	Brass disk stamped "U.S.C.&G.S. B 957 1962" in Stockton along the U.P.R.R. set vertically in the northerly face of the concrete retaining wall of the concrete railroad bridge over Harding Way, +/- 3 ft east of the NE corner of the east bridge guard rail and 10.5 ft east of the easterly rail of U.P.R.R., about level with the tracks.
HS0104		NOT FOUND
1052(HS0374)	0.86	Station description: Described by Coast and Geodetic Survey 1957: on the west side of rough and ready is, in R5E T1N, at the U.S. Naval Supply annex, 1.6 mi west along N St from the main gate, at the "T" junction of a gravel road leading south to a pistol range, at the crossing of an irrigation canal, in line with a row of power line poles, 84 yards SE of and across the street from the SE corner of building T -1217, 34 1/2 ft west of the center of the south concrete head wall of four 36-in corrugated metal pipe culverts, 28 ft south of the center line of the street, 24 1/2 ft east of the center line of the road, 2 1/2 ft east of power line pole 1-46, 1.2 ft west of a witness post, about 1 ft lower than the street, and clamped on top of a 5/8-in copper coated steel rod projecting 0.2 ft above the ground. Note-the top two ft of the rod is encased in a 4-in stovepipe which is encased in concrete. The rod was driven 104 ft into the ground to gradual refusal.
1053(HS0393)	14.02	Station description: Station mark is a tidal station disk stamped: "BM 1 1932" described by National Geodetic Survey 1960" at Stockton, on West Fremont St between N El Dorado St and N Center St, at the north entrance to the City Hall, in top of the east end of the lowest step at the north entrance, 0.3 ft west of the NW corner of the east concrete balustrade post, and 0.2 ft higher than the sidewalk. Note: City of Stockton BM "G".

Appendix B: Benchmark Elevations & Descriptions

(2008 Citywide Benchmark Vertical Datum Conversion to NAVD88)

BENCH MARK #	ELEV. FT.	DESCRIPTION
1054(HS0440)	26.36	Station description: Described by National Geodetic Survey 1960: 2.0 mi west along State Hwy 4 from the S.P.R.R. overpass at Stockton, at Garwood Bridge over the San Joaquin River, in top of the east end of the south concrete curb, 15 ft south of the center line of the highway, 2.0 ft north of the north face of the south concrete guardrail, and about 1/2 ft higher than the highway. City of Stockton BM "P".
1055(HS0473)	6.78	Station description: Described by Coast and Geodetic Survey 1959 (JEG): the station is located along the south side of Eighth St, between Argonaut and Stockton Streets and in the north fence line of a church-yard. It is about 2 mi airline south-southwest of the center of Stockton. The station mark is a standard disk stamped Argonaut 1959, set in the top of a 10-in-square, concrete monument set flush with the ground. It is 1 ft north of a fence line, 2 ft west of a metal witness post, 42 ft south of the center line of Eighth St and about 6 ft lower than the street. Note: City of Stockton BM "I".
1056(HS4664)	27.60	Station description: Recovery note by City of Stockton Survey Supervisor Robert E. Chesner PLS6670. The station mark was destroyed by new construction of Pock Ln in the summer of 1993. The ground station was recovered in good condition. The surface mark was reset 8/31/93 using a City of Stockton brass disk stamped pox reset 1993, set on a concrete pillar in a cast metal box located 6.9 ft. west of the new east face of curb for Pock Ln. The cast metal box is set at the surface of the asphalt pavement with a lid stamped monument. The station is located approximately 1.1 mi NW of the intersection of Hwy 99 and Arch-Airport Rd and +/-200 ft north of a bridge.
1057		POINT NOT USED
1058(HS4763)	15.14	Stockton SW base 1954, set in the top of a concrete cylinder that is 8 inches below the surface. It is 30 ft SE of the centerline of the track road along the aqueduct. To reach the station from the intersection of Pacific Ave and Alpine Ave in the north edge of Stockton go north on Pacific Ave for 0.5 mi to the bridge over the Calaveras River. Continue, north, on Pacific Ave for 0.4 mi to a track road right. Turn right, NE, and go 0.15 mi to the station on the right.
1059		See Point 1048
1060(JS4197)	10.76	Station description: Described by National Geodetic Survey 1974 (CLN) the station is located in the NW corner of a cultivated field, in the SE quadrant of the intersection of 8 Mile Rd and Thornton Rd, airline about 8 mi north-northwest of Stockton, 7 mi SW of Lodi. To reach the station from the City Hall at Lodi go south on Church St 1.3 mi to an intersection. Turn right onto State Hwy 12 (Kettleman Ln) and go west 6.5 mi to a crossroad. Turn left onto Thornton Rd and go SE 4.9 mi to the intersection of 8 Mile Rd and the station site. The underground and surface station marks are NGD horizontal control disks stamped Bennett 21974. The underground mark is set in the top of a block of concrete 4.2 ft below the surface of the ground. The surface mark is set in the top of a 12-in east of the intersection of the center lines of Thornton and 8 Mile Roads, 69.5 ft east of the center line of Thornton Rd, 63.8 ft south of the center line of 8 Mile Rd, 50.0 ft NE of a guyed telephone-power pole, 13 ft SE of the SE edge of a drainage ditch, and about 4-1/2 ft lower than Thornton Rd. City of Stockton BM "N".
1061(HS0376)	7.86	Brass disk stamped "F 478 1951" on top of NE corner of loading dock, 29.5 ft NW of NE building corner of building No. 810 on Ellsberg Road. Rough and Ready Island.
1062	32.98	Brass disk not stamped in monument well at intersection of Arch Rd and E 99 Frontage Rd.
1063	19.88	3/4" rebar with yellow cap stamped "LS 4334" in monument well at intersection of Sperry Rd and Performance Dr.