

APPENDIX V - SEWER CAPACITY STUDY

Tentative Tract 6016 *Camarillo, CA*

November 13, 2019

Prepared by:



SEWER CAPACITY STUDY

TENTATIVE TRACT 6016

Prepared by:

Jensen Design and Survey, Inc.
1672 Donlon Street
Ventura, California 93003
Phone: (805) 654-6977

Under the supervision of:



Kathleen L. Knight
Registered Civil Engineer No. C64368
Exp. 06-30-2021



November 11, 2019

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1. Project Overview

1.1. Introduction

This sewer capacity study is being prepared to support Tentative Tract 6016, in the City of Camarillo, CA. The project is located at the base of the Conejo Mountains within the existing Camarillo Springs Golf Course. The area proposed is located south of Ridge View Street and west of the existing golf course driving range. See Figure A (right) for vicinity map.

1.2. Land Use

Tentative Tract 6016 consists of a total of 32 acres of development, designated as Public/Quasi Public, and zoned RE (Rural Residential). The project applicant is requesting to amend the General Plan land use designation to Low-Medium Density Residential (30 dwelling units per acre.) The development is proposing 248 age restricted (55+) single family detached dwelling units, private recreation center, pocket parks, walking trails and natural open space. The project would reconfigure and update the existing golf course, resulting in the number of holes being reduced from 18 to 12. Other improvements proposed to the existing golf course include a new clubhouse facility, a 6.3 acre neighborhood park, trails, a 1.3 acre dog park, and event spaces (See Appendix A for Conceptual Site Plan).

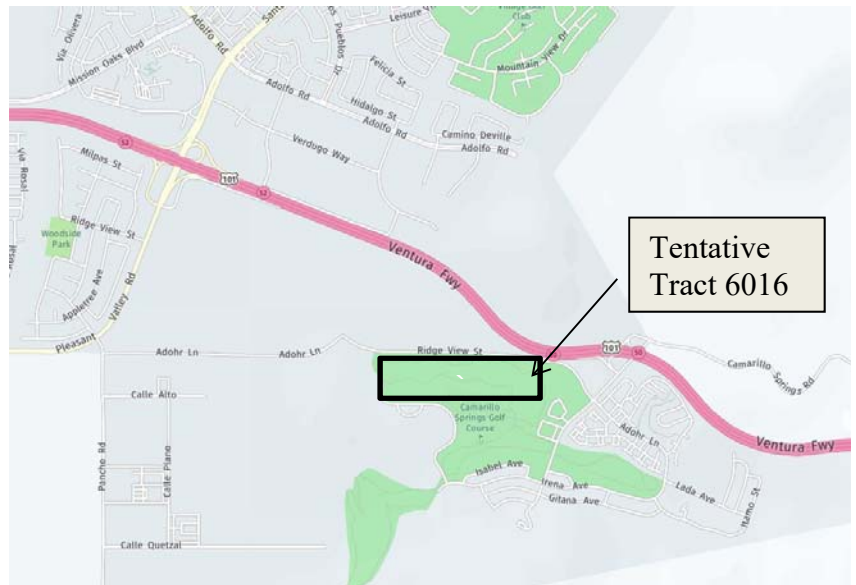


Figure A – Vicinity Map

2. Existing and Proposed Sewer System Layout

2.1. Existing Sewer Layout

The existing site is serviced by the Camarillo Sanitary District via an existing 15" VCP line, which ties into a 10" and 8" VCP siphon east of the Conejo Creek and traverses underneath the existing channel connecting to a siphon pump structure and a 24" ACP sewer line. The pipe then connects via a 5' manhole to a 12" VCP line, which then continues to the treatment plant.

2.2. Existing Sewer Flows

A flow study was done along the 12" VCP line at an existing manhole located about 600' south of the siphon crossing of Conejo Creek. The manhole is located on the western edge of a dirt road, east of an agriculture field, west of Conejo Creek and south of Adohr Lane. The manhole was monitored from June 21st until July 9th, 2018, by Dexter Wilson Engineering. See appendix B for

readings from the flow study, including the existing minimum, average, and peak dry weather flows, as well as a pipe flow report for the Ex. 12" VCP pipe.

2.3. Proposed Sewer Flow Rates

The sewer flow rates were calculated using two different methods:

- First, by applying an 85% factor to the expected water demand 66,376 gpd, as shown below in Table 1:

Table 1 - Domestic Water Demand - TT 6016							
Land Use Description	Lot Area (Ac)	Units	Water Use (AF/Year) ⁽³⁾	Total Usage (AF/Year)	Total Usage (gpd)	Max Daily Demand (gpm) ⁽¹⁾	Peak Hour Demand (gpm) ⁽²⁾
TT 6016	32	248	0.30	74.4	66,376.0	92.19	273.5

(1) Maximum Day Demand based upon peaking factor equal to 2.0 times Average Annual Demand

(2) Peak Hour Demand based upon peaking factor equal to 6.0 times Average Annual Demand

(3) Per Water Demand Credit Program, Resolution no. 2016-89, Single Family Small Yard Water use is 0.30 AF/Year

This results in a peak demand of 56,420gpd (66,376x0.85=56,420)

- Second, average dry weather flow (Qadw) rates were calculated using Table 2.1 in the 2015 City of Camarillo Sanitary District Manual of Standard Specifications, as shown in Table 2 below:

Table 2 - Sewer Demand - TT 6016												
High Density			Ultimate Unit Flow Factor (1)		Average Dry Weather flow (Qadw)		Higher Average Dry Weather Flow Qadw		Peak Dry Weather Flows, Qpdw (2)		Peak Wet Weather Flows, Qpww (3)	
	Land-Use	Area (ac)		gpd/ac			(gpd)	(cfs)	(cfs)	(gpm)	(cfs)	(gpm)
TT 6016	32	Ac	1700	/Ac	54400	gpd	56,420 (4)	0.087	0.222	99.64	0.311	139.50

(1) Ultimate Unit Flow Factors calculated using Table 2.1 in the 2015 City of Camarillo Sanitary District Manual of Standard Specifications

(2) Qpdw = 2.1 (Qadw)^{0.92}, per Section 2.1.1.2 of the 2015 City of Camarillo Sanitary District Manual of Standard Specifications

(3) Qpww = 1.4 (Qpdw), per Section 2.1.1.3 of the 2015 City of Camarillo Sanitary District Manual of Standard Specifications

(4) Using higher of the two demand values, based on 85% of building water demand (From Table 1 - 85% of 66,376=56,420)

The higher of the two factors was used to calculate Peak Dry and Wet Weather Flows, as summarized in Table 2.

2.4. Sewer System Evaluation Criteria and Assumptions

Evaluation and sizing for the required sewer collection system facilities were conducted using Camarillo Sanitary District Standard Specification (CSDSS) criteria and information from the Sewer System Master Plan Update 2015. Manning's "n" was assumed to be 0.013 for the VCP pipe, and 0.012 for PVC pipe. As stated, the peak dry weather flow rate in pipes 15 inches and smaller should not exceed a depth to pipe diameter ratio of $d/D=0.5$. For pipes 18 inches and larger, the maximum d/D may be 0.62. Sewer mains should also be constructed to provide a mean velocity of not less than two (2) feet per second. See Appendix C for the allowable flow in a 12" pipe per the district standards.

2.5. Sewer Collection and Hydraulic Analysis

The existing pipe has a very flat slope of $S=0.04\%$ (See Appendix E for Sewer Plans of Existing 12" VCP). Based on the flow report, the existing pipe is flowing at an average measured level of 6.5" (See Appendix C for Existing flow based on Flow Report), which is approximately 0.43 cfs. The total projected Peak Dry Weather Flow (PDWF) from Tentative Tract 6016 could add approximately 0.222 cfs (99.64gpm), as shown on Table 2.

The existing pipe is already flowing at a 0.5" higher than District Standards, but at less than the mean velocity of 2 fps. A pipe calculation was done to determine the d/D ratio in the existing 12" VCP pipe with the addition of the 0.222 cfs flows from the proposed development. See Appendix D. The depth in the pipe with the project is approximately 8.8". The expected velocity increases from 0.98 ft/s, to 1.06 ft/s. A pipe calculation was done for a 15" PVC pipe, which meets the depth requirement, and have an even higher velocity of 1.14 ft/sec, see Appendix D.

3. Conclusion

The current infrastructure in place for the sewer does not meet Camarillo Sanitary District Standards. With the addition of 248 single family dwelling units, the existing Conejo Creek 12" VCP Sewer Line would need to be upsized to a 15" PVC, SDR 35 sewer line.

APPENDIX A



CLUBHOUSE, DRIVING RANGE & PARK KEY

- 1 NEW CLUBHOUSE
3 GOLF SHOP
1 RESTAURANT & BAR
1 OUTDOOR LOUNGE
1 PRACTICE GREENS
1 EVENT AREA
- 2 IMPROVED DRIVING RANGE
- 3 EXISTING POND
- 4 DOG PARK

- 5 NEW PARK
1 SHADED SEATING
1 OPEN TURF
1 PATHWAYS
- 6 EXISTING PARKING LOT
- 7 CART PATH
- 8 REDESIGNED GOLF COURSE

PROPOSED COMMUNITY

- 9 GATED COMMUNITY ENTRY
- 10 NEW 55+ CLUBHOUSE
3 POOL & SPA
1 PICKLEBALL COURTS
3 RAISED GARDENS
1 OUTDOOR COOKING/DINING
- 11 POCKET PARK

- 12 EXPANDED LAKE
- 13 LAKE TRAIL

New Urban West

LAND
CONCERN
LANDSCAPE ARCHITECTURE
SINCE 1978

CAMARILLO SPRINGS

Camarillo, CA

Conceptual Trails, Open Space
and Private/Public Amenities



August 2019

12 of 16

APPENDIX B



Dexter Wilson Engineering

~4986 Adohr Ln, Camarillo, CA 93012

2018.06 Adohr MH L15-100

Manhole No. L15-100

Access:

MH is on the western edge of a dirt road, east of a field, west of Conejo Creek, and south of Adohr Lane.

System Type:

Sanitary ☒

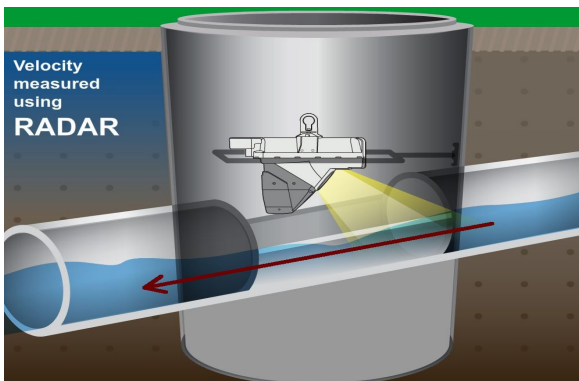
Storm ☐

Install Date: 6/21/2018

Map



Technology



Sewer Plan



Flow Meter

Meter Depth: 204"

MH Coordinates: 34.204056, -119.001528

Laminar to moderate open channel hydraulics; slight bend in trough within MH.

Avg Velocity	Avg Measured Level	Multiplier
0.75 fps	6.5"	1

Gas

O2	H2S	CO	LEL
20.9	0	0	0

Notes

No laterals; monitored upstream line as it provided best hydraulics. Liner has issues.

Traffic Safety

MH in open space, no traffic control required.

Land Use

Residential	Commercial	Industrial	Trunk
X			

Manhole Depth	223"
Monitored Pipe Size	12"
Inner Pipe Size (In/Out)	12"/12"
Pipe Shape	Round
Pipe Condition	Good
Manhole Material	Lined Concrete
Silt	0
Velocity Profile Data	*
Velocity Profile Taken	0.4 2-D
Sensor Offset	18.69"
Sensor Dist. to Crown	6.69"
Sensor Direction	Upstream
Flow Heading	West



Meter Site Document

Dexter Wilson Engineering

2018.06 Adohr MH L15-100

~4986 Adohr Ln, Camarillo, CA 93012

Site



Manhole During Install



Installation Process



Installed



Upstream



Monitored Pipe Size



Data for 2018.06 Adohr MH L15-100:
 6/21/2018 thru 7/09/2018

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/21 10:45	6.75	167.01	0.82
2018/06/21 11:00	6.79	176.78	0.86
2018/06/21 11:15	6.84	186.67	0.90
2018/06/21 11:30	7.04	190.74	0.89
2018/06/21 11:45	7.14	196.87	0.90
2018/06/21 12:00	7.14	196.87	0.90
2018/06/21 12:15	7.21	200.53	0.91
2018/06/21 12:30	7.14	198.49	0.91
2018/06/21 12:45	7.11	191.82	0.88
2018/06/21 13:00	6.98	187.35	0.88
2018/06/21 13:15	6.91	176.67	0.84
2018/06/21 13:30	6.86	175.07	0.84
2018/06/21 13:45	6.79	172.90	0.84
2018/06/21 14:00	6.79	174.85	0.85
2018/06/21 14:15	6.79	178.83	0.87
2018/06/21 14:30	6.71	176.26	0.87
2018/06/21 14:45	6.69	175.56	0.87
2018/06/21 15:00	6.53	159.90	0.82
2018/06/21 15:15	6.53	159.90	0.82
2018/06/21 15:30	6.51	159.20	0.82
2018/06/21 15:45	6.50	158.90	0.82
2018/06/21 16:00	6.50	158.90	0.82
2018/06/21 16:15	6.50	158.90	0.82
2018/06/21 16:30	6.33	147.69	0.78
2018/06/21 16:45	6.28	144.26	0.77
2018/06/21 17:00	6.22	142.53	0.77
2018/06/21 17:15	6.22	142.53	0.77
2018/06/21 17:30	6.22	143.96	0.78
2018/06/21 17:45	6.22	146.12	0.79
2018/06/21 18:00	6.41	152.11	0.79
2018/06/21 18:15	6.55	160.50	0.82
2018/06/21 18:30	6.55	160.50	0.82
2018/06/21 18:45	6.55	160.50	0.82
2018/06/21 19:00	6.54	160.20	0.82
2018/06/21 19:15	6.54	160.20	0.82
2018/06/21 19:30	6.54	172.04	0.88
2018/06/21 19:45	6.57	173.16	0.88
2018/06/21 20:00	6.60	176.06	0.89
2018/06/21 20:15	6.81	183.00	0.89

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/21 20:30	6.81	183.80	0.89
2018/06/21 20:45	6.87	185.72	0.89
2018/06/21 21:00	6.93	189.99	0.90
2018/06/21 21:15	6.95	186.48	0.88
2018/06/21 21:30	6.95	186.48	0.88
2018/06/21 21:45	6.95	186.48	0.88
2018/06/21 22:00	6.84	182.85	0.88
2018/06/21 22:15	6.74	179.60	0.88
2018/06/21 22:30	6.71	178.06	0.88
2018/06/21 22:45	6.71	180.37	0.89
2018/06/21 23:00	6.70	175.39	0.87
2018/06/21 23:15	6.62	172.83	0.87
2018/06/21 23:30	6.48	166.04	0.85
2018/06/21 23:45	6.42	157.98	0.82
2018/06/22 00:00	6.31	151.11	0.80
2018/06/22 00:15	6.11	140.76	0.78
2018/06/22 00:30	6.03	131.48	0.74
2018/06/22 00:45	5.88	126.96	0.74
2018/06/22 01:00	5.72	121.91	0.73
2018/06/22 01:15	5.61	114.19	0.71
2018/06/22 01:30	5.48	108.90	0.69
2018/06/22 01:45	5.47	105.72	0.68
2018/06/22 02:00	5.39	101.90	0.66
2018/06/22 02:15	5.32	95.61	0.63
2018/06/22 02:30	5.11	81.96	0.57
2018/06/22 02:45	5.07	79.71	0.56
2018/06/22 03:00	5.03	78.84	0.56
2018/06/22 03:15	5.00	78.19	0.56
2018/06/22 03:30	4.99	72.44	0.52
2018/06/22 03:45	4.93	71.29	0.52
2018/06/22 04:00	4.89	67.96	0.50
2018/06/22 04:15	4.87	70.18	0.52
2018/06/22 04:30	4.85	67.13	0.50
2018/06/22 04:45	4.87	74.13	0.55
2018/06/22 05:00	4.89	74.54	0.55
2018/06/22 05:15	4.91	76.35	0.56
2018/06/22 05:30	4.98	77.62	0.56
2018/06/22 05:45	5.16	81.76	0.56
2018/06/22 06:00	5.17	82.00	0.56
2018/06/22 06:15	5.20	88.22	0.60
2018/06/22 06:30	5.20	88.22	0.60
2018/06/22 06:45	5.37	101.52	0.66
2018/06/22 07:00	5.70	120.06	0.73
2018/06/22 07:15	5.74	126.10	0.76
2018/06/22 07:30	6.11	148.09	0.82

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/22 07:45	6.38	166.77	0.88
2018/06/22 08:00	6.51	170.99	0.88
2018/06/22 08:15	6.75	180.45	0.88
2018/06/22 08:30	6.89	183.24	0.88
2018/06/22 08:45	7.09	187.66	0.87
2018/06/22 09:00	7.09	186.57	0.86
2018/06/22 09:15	7.11	188.35	0.87
2018/06/22 09:30	7.13	189.20	0.87
2018/06/22 09:45	7.13	193.37	0.89
2018/06/22 10:00	7.26	199.18	0.89
2018/06/22 10:15	7.47	206.26	0.89
2018/06/22 10:30	7.47	206.26	0.89
2018/06/22 10:45	7.47	204.44	0.89
2018/06/22 11:00	7.29	194.67	0.87
2018/06/22 11:15	7.27	193.40	0.87
2018/06/22 11:30	7.14	189.29	0.87
2018/06/22 11:45	7.11	188.30	0.87
2018/06/22 12:00	7.05	183.82	0.85
2018/06/22 12:15	7.03	187.29	0.87
2018/06/22 12:30	7.03	195.94	0.91
2018/06/22 12:45	7.05	187.93	0.87
2018/06/22 13:00	7.08	186.81	0.86
2018/06/22 13:15	7.08	186.81	0.86
2018/06/22 13:30	7.08	182.33	0.84
2018/06/22 13:45	6.87	175.78	0.84
2018/06/22 14:00	6.72	170.17	0.84
2018/06/22 14:15	6.72	170.17	0.84
2018/06/22 14:30	6.71	170.15	0.84
2018/06/22 14:45	6.69	171.08	0.85
2018/06/22 15:00	6.67	168.86	0.84
2018/06/22 15:15	6.64	167.93	0.84
2018/06/22 15:30	6.64	165.15	0.83
2018/06/22 15:45	6.63	161.11	0.81
2018/06/22 16:00	6.64	161.36	0.81
2018/06/22 16:15	6.64	161.36	0.81
2018/06/22 16:30	6.60	160.17	0.81
2018/06/22 16:45	6.60	160.49	0.81
2018/06/22 17:00	6.64	167.22	0.84
2018/06/22 17:15	6.60	165.98	0.84
2018/06/22 17:30	6.60	162.07	0.82
2018/06/22 17:45	6.60	160.49	0.81
2018/06/22 18:00	6.56	160.86	0.82
2018/06/22 18:15	6.56	160.86	0.82
2018/06/22 18:30	6.56	164.63	0.84
2018/06/22 18:45	6.51	163.19	0.84

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/22 19:00	6.56	166.56	0.84
2018/06/22 19:15	6.65	171.86	0.86
2018/06/22 19:30	6.66	172.18	0.86
2018/06/22 19:45	6.66	172.18	0.86
2018/06/22 20:00	6.66	172.18	0.86
2018/06/22 20:15	6.62	166.80	0.84
2018/06/22 20:30	6.49	162.43	0.83
2018/06/22 20:45	6.49	162.43	0.83
2018/06/22 21:00	6.49	162.43	0.83
2018/06/22 21:15	6.62	174.89	0.88
2018/06/22 21:30	6.62	174.89	0.88
2018/06/22 21:45	6.87	187.15	0.90
2018/06/22 22:00	6.87	191.79	0.92
2018/06/22 22:15	6.87	191.79	0.92
2018/06/22 22:30	6.78	176.55	0.86
2018/06/22 22:45	6.74	183.15	0.90
2018/06/22 23:00	6.71	182.16	0.90
2018/06/22 23:15	6.69	177.06	0.88
2018/06/22 23:30	6.63	175.11	0.88
2018/06/22 23:45	6.60	174.14	0.88
2018/06/23 00:00	6.38	162.64	0.85
2018/06/23 00:15	6.22	140.62	0.76
2018/06/23 00:30	6.13	137.90	0.76
2018/06/23 00:45	6.03	127.54	0.72
2018/06/23 01:00	5.89	122.09	0.71
2018/06/23 01:15	5.72	113.82	0.69
2018/06/23 01:30	5.68	112.74	0.69
2018/06/23 01:45	5.53	107.13	0.68
2018/06/23 02:00	5.53	102.44	0.65
2018/06/23 02:15	5.50	100.23	0.64
2018/06/23 02:30	5.42	96.60	0.62
2018/06/23 02:45	5.29	91.99	0.61
2018/06/23 03:00	5.14	88.29	0.61
2018/06/23 03:15	5.06	86.53	0.61
2018/06/23 03:30	5.05	83.59	0.59
2018/06/23 03:45	5.06	83.85	0.59
2018/06/23 04:00	5.09	80.23	0.56
2018/06/23 04:15	5.06	78.13	0.55
2018/06/23 04:30	5.01	75.72	0.54
2018/06/23 04:45	5.01	74.45	0.53
2018/06/23 05:00	4.93	71.18	0.52
2018/06/23 05:15	4.92	70.99	0.52
2018/06/23 05:30	4.90	69.30	0.51
2018/06/23 05:45	4.90	70.60	0.52
2018/06/23 06:00	4.92	72.35	0.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/23 06:15	5.01	78.44	0.56
2018/06/23 06:30	5.09	82.82	0.58
2018/06/23 06:45	5.18	87.82	0.60
2018/06/23 07:00	5.32	91.11	0.60
2018/06/23 07:15	5.40	92.99	0.60
2018/06/23 07:30	5.53	103.95	0.66
2018/06/23 07:45	5.76	121.53	0.73
2018/06/23 08:00	6.03	136.68	0.77
2018/06/23 08:15	6.03	140.23	0.79
2018/06/23 08:30	6.16	149.77	0.82
2018/06/23 08:45	6.61	175.02	0.88
2018/06/23 09:00	6.76	183.92	0.90
2018/06/23 09:15	6.80	185.25	0.90
2018/06/23 09:30	7.06	193.79	0.90
2018/06/23 09:45	7.09	206.65	0.95
2018/06/23 10:00	7.45	219.14	0.95
2018/06/23 10:15	7.60	212.20	0.90
2018/06/23 10:30	7.62	217.86	0.92
2018/06/23 10:45	7.68	219.84	0.92
2018/06/23 11:00	7.75	222.20	0.92
2018/06/23 11:15	7.68	219.84	0.92
2018/06/23 11:30	7.68	219.84	0.92
2018/06/23 11:45	7.62	227.25	0.96
2018/06/23 12:00	7.57	220.19	0.94
2018/06/23 12:15	7.56	193.12	0.83
2018/06/23 12:30	7.48	217.09	0.94
2018/06/23 12:45	7.48	222.35	0.96
2018/06/23 13:00	7.35	212.67	0.94
2018/06/23 13:15	7.35	202.93	0.90
2018/06/23 13:30	7.35	204.35	0.90
2018/06/23 13:45	7.11	195.08	0.90
2018/06/23 14:00	7.08	192.36	0.89
2018/06/23 14:15	6.92	187.13	0.89
2018/06/23 14:30	6.85	184.79	0.89
2018/06/23 14:45	6.77	177.92	0.87
2018/06/23 15:00	6.73	176.63	0.87
2018/06/23 15:15	6.73	174.58	0.86
2018/06/23 15:30	6.68	172.99	0.86
2018/06/23 15:45	6.57	166.97	0.85
2018/06/23 16:00	6.57	169.44	0.86
2018/06/23 16:15	6.57	169.05	0.86
2018/06/23 16:30	6.54	168.10	0.86
2018/06/23 16:45	6.54	168.10	0.86
2018/06/23 17:00	6.57	170.76	0.86
2018/06/23 17:15	6.61	174.53	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/23 17:30	6.63	177.09	0.89
2018/06/23 17:45	6.67	178.46	0.89
2018/06/23 18:00	6.70	179.39	0.89
2018/06/23 18:15	6.79	182.29	0.89
2018/06/23 18:30	6.79	180.34	0.88
2018/06/23 18:45	6.79	178.79	0.87
2018/06/23 19:00	6.66	173.51	0.86
2018/06/23 19:15	6.57	168.94	0.86
2018/06/23 19:30	6.57	170.58	0.86
2018/06/23 19:45	6.57	170.58	0.86
2018/06/23 20:00	6.70	175.53	0.87
2018/06/23 20:15	6.73	177.10	0.87
2018/06/23 20:30	6.74	177.42	0.87
2018/06/23 20:45	6.74	177.42	0.87
2018/06/23 21:00	6.74	177.42	0.87
2018/06/23 21:15	6.62	171.02	0.86
2018/06/23 21:30	6.62	171.02	0.86
2018/06/23 21:45	6.62	168.77	0.85
2018/06/23 22:00	6.63	169.08	0.85
2018/06/23 22:15	6.65	176.87	0.88
2018/06/23 22:30	6.73	179.48	0.88
2018/06/23 22:45	6.73	176.30	0.87
2018/06/23 23:00	6.73	176.30	0.87
2018/06/23 23:15	6.64	171.17	0.86
2018/06/23 23:30	6.56	167.08	0.85
2018/06/23 23:45	6.55	162.13	0.82
2018/06/24 00:00	6.44	157.08	0.82
2018/06/24 00:15	6.36	152.33	0.80
2018/06/24 00:30	6.16	136.88	0.75
2018/06/24 00:45	5.89	127.13	0.74
2018/06/24 01:00	5.88	121.73	0.71
2018/06/24 01:15	5.85	115.77	0.68
2018/06/24 01:30	5.63	108.16	0.67
2018/06/24 01:45	5.58	105.38	0.66
2018/06/24 02:00	5.54	99.72	0.63
2018/06/24 02:15	5.39	95.93	0.62
2018/06/24 02:30	5.30	87.79	0.58
2018/06/24 02:45	5.30	87.79	0.58
2018/06/24 03:00	5.30	87.79	0.58
2018/06/24 03:15	5.27	87.15	0.58
2018/06/24 03:30	5.27	87.15	0.58
2018/06/24 03:45	5.25	86.69	0.58
2018/06/24 04:00	5.19	80.64	0.55
2018/06/24 04:15	5.14	79.56	0.55
2018/06/24 04:30	5.06	75.32	0.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/24 04:45	5.01	74.33	0.53
2018/06/24 05:00	4.98	70.75	0.51
2018/06/24 05:15	4.87	68.69	0.51
2018/06/24 05:30	4.87	68.69	0.51
2018/06/24 05:45	4.87	68.69	0.51
2018/06/24 06:00	4.87	66.05	0.49
2018/06/24 06:15	4.90	69.41	0.51
2018/06/24 06:30	4.90	69.41	0.51
2018/06/24 06:45	4.97	70.76	0.51
2018/06/24 07:00	5.03	71.85	0.51
2018/06/24 07:15	5.05	80.95	0.57
2018/06/24 07:30	5.11	86.04	0.60
2018/06/24 07:45	5.35	94.47	0.62
2018/06/24 08:00	5.73	115.74	0.70
2018/06/24 08:15	5.90	125.58	0.73
2018/06/24 08:30	6.08	132.56	0.74
2018/06/24 08:45	6.19	154.47	0.84
2018/06/24 09:00	6.75	177.67	0.87
2018/06/24 09:15	6.84	182.80	0.88
2018/06/24 09:30	6.89	188.27	0.90
2018/06/24 09:45	6.97	191.54	0.90
2018/06/24 10:00	7.16	207.68	0.95
2018/06/24 10:15	7.27	212.34	0.95
2018/06/24 10:30	7.53	226.05	0.97
2018/06/24 10:45	7.53	226.05	0.97
2018/06/24 11:00	7.92	260.17	1.05
2018/06/24 11:15	7.99	262.72	1.05
2018/06/24 11:30	7.99	262.72	1.05
2018/06/24 11:45	7.99	235.25	0.94
2018/06/24 12:00	7.77	224.99	0.93
2018/06/24 12:15	7.66	218.39	0.92
2018/06/24 12:30	7.60	219.32	0.93
2018/06/24 12:45	7.53	214.05	0.92
2018/06/24 13:00	7.53	214.05	0.92
2018/06/24 13:15	7.49	217.73	0.94
2018/06/24 13:30	7.49	219.76	0.95
2018/06/24 13:45	7.43	217.70	0.95
2018/06/24 14:00	7.43	217.70	0.95
2018/06/24 14:15	7.43	208.28	0.91
2018/06/24 14:30	7.43	207.84	0.91
2018/06/24 14:45	7.30	193.47	0.86
2018/06/24 15:00	7.00	183.75	0.86
2018/06/24 15:15	6.93	185.50	0.88
2018/06/24 15:30	6.89	180.26	0.86
2018/06/24 15:45	6.84	178.48	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/24 16:00	6.68	172.49	0.86
2018/06/24 16:15	6.68	172.49	0.86
2018/06/24 16:30	6.68	172.49	0.86
2018/06/24 16:45	6.79	178.76	0.87
2018/06/24 17:00	6.84	180.77	0.87
2018/06/24 17:15	6.84	180.77	0.87
2018/06/24 17:30	6.84	180.63	0.87
2018/06/24 17:45	6.73	177.10	0.87
2018/06/24 18:00	6.73	176.97	0.87
2018/06/24 18:15	6.73	176.97	0.87
2018/06/24 18:30	6.79	180.98	0.88
2018/06/24 18:45	6.79	180.98	0.88
2018/06/24 19:00	6.79	178.90	0.87
2018/06/24 19:15	6.92	185.19	0.88
2018/06/24 19:30	6.96	188.36	0.89
2018/06/24 19:45	6.96	182.15	0.86
2018/06/24 20:00	6.96	182.15	0.86
2018/06/24 20:15	6.91	187.08	0.89
2018/06/24 20:30	6.91	183.00	0.87
2018/06/24 20:45	6.91	183.00	0.87
2018/06/24 21:00	6.97	184.92	0.87
2018/06/24 21:15	7.11	189.40	0.87
2018/06/24 21:30	7.11	189.40	0.87
2018/06/24 21:45	7.11	189.54	0.87
2018/06/24 22:00	7.05	185.99	0.86
2018/06/24 22:15	7.02	185.04	0.86
2018/06/24 22:30	6.80	179.55	0.87
2018/06/24 22:45	6.64	173.41	0.87
2018/06/24 23:00	6.64	167.74	0.84
2018/06/24 23:15	6.64	169.47	0.85
2018/06/24 23:30	6.64	169.47	0.85
2018/06/24 23:45	6.64	167.60	0.84
2018/06/25 00:00	6.34	145.67	0.77
2018/06/25 00:15	6.32	143.50	0.76
2018/06/25 00:30	6.17	137.44	0.75
2018/06/25 00:45	5.80	128.71	0.76
2018/06/25 01:00	5.64	111.97	0.69
2018/06/25 01:15	5.58	105.46	0.66
2018/06/25 01:30	5.46	92.99	0.60
2018/06/25 01:45	5.41	90.30	0.59
2018/06/25 02:00	5.41	90.30	0.59
2018/06/25 02:15	5.41	90.30	0.59
2018/06/25 02:30	5.41	90.30	0.59
2018/06/25 02:45	5.41	90.30	0.59
2018/06/25 03:00	5.21	88.91	0.61

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/25 03:15	5.14	79.68	0.55
2018/06/25 03:30	5.12	77.88	0.54
2018/06/25 03:45	5.11	77.68	0.54
2018/06/25 04:00	5.10	77.47	0.54
2018/06/25 04:15	5.10	74.59	0.52
2018/06/25 04:30	5.07	74.03	0.52
2018/06/25 04:45	5.06	73.83	0.52
2018/06/25 05:00	5.05	73.68	0.52
2018/06/25 05:15	5.05	73.68	0.52
2018/06/25 05:30	5.05	79.40	0.56
2018/06/25 05:45	5.20	86.87	0.59
2018/06/25 06:00	5.21	93.11	0.63
2018/06/25 06:15	5.39	97.34	0.63
2018/06/25 06:30	5.45	103.52	0.67
2018/06/25 06:45	5.49	114.33	0.73
2018/06/25 07:00	5.81	123.04	0.73
2018/06/25 07:15	5.97	127.64	0.73
2018/06/25 07:30	6.30	154.12	0.82
2018/06/25 07:45	6.65	168.10	0.84
2018/06/25 08:00	6.71	180.05	0.89
2018/06/25 08:15	7.14	194.04	0.89
2018/06/25 08:30	7.15	191.76	0.88
2018/06/25 08:45	7.19	202.06	0.92
2018/06/25 09:00	7.28	205.06	0.92
2018/06/25 09:15	7.29	196.24	0.88
2018/06/25 09:30	7.33	206.68	0.92
2018/06/25 09:45	7.49	229.38	0.99
2018/06/25 10:00	7.53	230.76	0.99
2018/06/25 10:15	7.53	228.55	0.98
2018/06/25 10:30	7.53	228.55	0.98
2018/06/25 10:45	7.56	215.32	0.92
2018/06/25 11:00	7.56	215.32	0.92
2018/06/25 11:15	7.44	211.28	0.92
2018/06/25 11:30	7.41	206.90	0.91
2018/06/25 11:45	7.41	206.90	0.91
2018/06/25 12:00	7.29	202.95	0.91
2018/06/25 12:15	7.23	200.97	0.91
2018/06/25 12:30	7.03	191.31	0.89
2018/06/25 12:45	6.92	187.38	0.89
2018/06/25 13:00	6.92	187.70	0.89
2018/06/25 13:15	6.92	187.38	0.89
2018/06/25 13:30	6.92	185.25	0.88
2018/06/25 13:45	6.92	184.84	0.88
2018/06/25 14:00	6.84	182.52	0.88
2018/06/25 14:15	6.84	180.80	0.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/25 14:30	6.76	178.22	0.87
2018/06/25 14:45	6.76	178.22	0.87
2018/06/25 15:00	6.73	176.56	0.87
2018/06/25 15:15	6.71	175.60	0.87
2018/06/25 15:30	6.71	175.60	0.87
2018/06/25 15:45	6.64	173.35	0.87
2018/06/25 16:00	6.59	167.63	0.85
2018/06/25 16:15	6.59	167.63	0.85
2018/06/25 16:30	6.49	160.08	0.82
2018/06/25 16:45	6.37	154.76	0.81
2018/06/25 17:00	6.37	154.76	0.81
2018/06/25 17:15	6.37	156.41	0.82
2018/06/25 17:30	6.40	159.66	0.84
2018/06/25 17:45	6.56	166.25	0.84
2018/06/25 18:00	6.70	173.39	0.86
2018/06/25 18:15	6.70	173.39	0.86
2018/06/25 18:30	6.58	165.25	0.84
2018/06/25 18:45	6.58	167.18	0.85
2018/06/25 19:00	6.58	167.18	0.85
2018/06/25 19:15	6.58	167.18	0.85
2018/06/25 19:30	6.84	184.84	0.89
2018/06/25 19:45	6.88	185.87	0.89
2018/06/25 20:00	6.94	188.18	0.89
2018/06/25 20:15	6.94	188.18	0.89
2018/06/25 20:30	6.94	189.92	0.90
2018/06/25 20:45	6.94	189.92	0.90
2018/06/25 21:00	6.96	190.90	0.90
2018/06/25 21:15	7.03	193.63	0.90
2018/06/25 21:30	7.05	194.29	0.90
2018/06/25 21:45	7.05	194.29	0.90
2018/06/25 22:00	7.05	196.32	0.91
2018/06/25 22:15	7.03	196.49	0.92
2018/06/25 22:30	6.96	193.31	0.91
2018/06/25 22:45	6.84	189.27	0.91
2018/06/25 23:00	6.84	182.44	0.88
2018/06/25 23:15	6.59	173.15	0.87
2018/06/25 23:30	6.48	168.14	0.87
2018/06/25 23:45	6.41	157.93	0.82
2018/06/26 00:00	6.37	156.55	0.82
2018/06/26 00:15	6.18	144.76	0.79
2018/06/26 00:30	6.02	136.26	0.77
2018/06/26 00:45	5.87	131.64	0.77
2018/06/26 01:00	5.75	117.89	0.71
2018/06/26 01:15	5.65	110.57	0.68
2018/06/26 01:30	5.53	107.25	0.68

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/26 01:45	5.53	107.25	0.68
2018/06/26 02:00	5.48	104.43	0.67
2018/06/26 02:15	5.30	101.20	0.67
2018/06/26 02:30	5.28	97.99	0.66
2018/06/26 02:45	5.21	87.24	0.59
2018/06/26 03:00	5.20	86.80	0.59
2018/06/26 03:15	5.10	96.02	0.67
2018/06/26 03:30	5.10	81.80	0.57
2018/06/26 03:45	5.06	79.47	0.56
2018/06/26 04:00	5.06	94.65	0.67
2018/06/26 04:15	5.06	82.24	0.58
2018/06/26 04:30	5.09	80.09	0.56
2018/06/26 04:45	5.09	81.61	0.57
2018/06/26 05:00	5.09	81.65	0.57
2018/06/26 05:15	5.12	80.75	0.56
2018/06/26 05:30	5.14	81.20	0.56
2018/06/26 05:45	5.21	84.19	0.57
2018/06/26 06:00	5.24	86.39	0.58
2018/06/26 06:15	5.27	94.38	0.63
2018/06/26 06:30	5.51	101.96	0.65
2018/06/26 06:45	5.53	108.72	0.69
2018/06/26 07:00	5.76	118.28	0.71
2018/06/26 07:15	5.97	131.14	0.75
2018/06/26 07:30	6.23	153.68	0.83
2018/06/26 07:45	6.59	175.60	0.89
2018/06/26 08:00	6.64	178.13	0.89
2018/06/26 08:15	6.80	189.70	0.92
2018/06/26 08:30	6.84	191.06	0.92
2018/06/26 08:45	7.33	204.51	0.91
2018/06/26 09:00	7.33	204.51	0.91
2018/06/26 09:15	7.33	201.92	0.90
2018/06/26 09:30	7.33	201.92	0.90
2018/06/26 09:45	7.33	204.51	0.91
2018/06/26 10:00	7.37	208.28	0.92
2018/06/26 10:15	7.37	208.28	0.92
2018/06/26 10:30	7.37	208.28	0.92
2018/06/26 10:45	7.36	202.27	0.89
2018/06/26 11:00	7.30	198.94	0.89
2018/06/26 11:15	7.23	196.23	0.88
2018/06/26 11:30	7.23	194.22	0.88
2018/06/26 11:45	7.22	189.24	0.85
2018/06/26 12:00	7.22	189.24	0.85
2018/06/26 12:15	7.00	182.35	0.85
2018/06/26 12:30	6.93	183.25	0.87
2018/06/26 12:45	6.87	181.28	0.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/26 13:00	6.86	180.96	0.87
2018/06/26 13:15	6.85	174.41	0.84
2018/06/26 13:30	6.85	174.41	0.84
2018/06/26 13:45	6.77	169.83	0.83
2018/06/26 14:00	6.77	168.94	0.82
2018/06/26 14:15	6.51	153.77	0.79
2018/06/26 14:30	6.49	154.38	0.79
2018/06/26 14:45	6.49	154.38	0.79
2018/06/26 15:00	6.48	154.09	0.79
2018/06/26 15:15	6.45	153.15	0.79
2018/06/26 15:30	6.42	152.50	0.80
2018/06/26 15:45	6.34	150.13	0.80
2018/06/26 16:00	6.28	146.31	0.78
2018/06/26 16:15	6.28	142.35	0.76
2018/06/26 16:30	6.34	144.05	0.76
2018/06/26 16:45	6.34	142.22	0.75
2018/06/26 17:00	6.30	140.92	0.75
2018/06/26 17:15	6.34	142.45	0.75
2018/06/26 17:30	6.30	143.09	0.76
2018/06/26 17:45	6.30	143.09	0.76
2018/06/26 18:00	6.36	144.56	0.76
2018/06/26 18:15	6.36	144.80	0.76
2018/06/26 18:30	6.38	145.13	0.76
2018/06/26 18:45	6.47	151.96	0.78
2018/06/26 19:00	6.47	154.37	0.80
2018/06/26 19:15	6.55	158.10	0.80
2018/06/26 19:30	6.60	161.99	0.82
2018/06/26 19:45	6.61	162.29	0.82
2018/06/26 20:00	6.86	181.33	0.87
2018/06/26 20:15	6.86	181.33	0.87
2018/06/26 20:30	7.07	192.74	0.89
2018/06/26 20:45	7.08	193.06	0.89
2018/06/26 21:00	7.07	192.74	0.89
2018/06/26 21:15	6.85	181.32	0.87
2018/06/26 21:30	6.92	187.38	0.89
2018/06/26 21:45	6.85	184.78	0.89
2018/06/26 22:00	6.85	185.08	0.89
2018/06/26 22:15	6.81	183.47	0.89
2018/06/26 22:30	6.81	183.47	0.89
2018/06/26 22:45	6.80	183.14	0.89
2018/06/26 23:00	6.70	175.36	0.87
2018/06/26 23:15	6.67	174.44	0.87
2018/06/26 23:30	6.59	171.82	0.87
2018/06/26 23:45	6.57	168.99	0.86
2018/06/27 00:00	6.43	162.55	0.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/27 00:15	6.41	150.07	0.78
2018/06/27 00:30	6.17	136.88	0.75
2018/06/27 00:45	6.06	128.68	0.72
2018/06/27 01:00	5.94	119.87	0.69
2018/06/27 01:15	5.80	114.38	0.68
2018/06/27 01:30	5.78	111.87	0.67
2018/06/27 01:45	5.57	106.67	0.67
2018/06/27 02:00	5.55	107.73	0.68
2018/06/27 02:15	5.53	105.68	0.67
2018/06/27 02:30	5.40	102.41	0.67
2018/06/27 02:45	5.33	92.97	0.61
2018/06/27 03:00	5.22	88.88	0.60
2018/06/27 03:15	5.10	86.06	0.60
2018/06/27 03:30	5.09	78.78	0.55
2018/06/27 03:45	5.10	77.43	0.54
2018/06/27 04:00	5.10	76.21	0.53
2018/06/27 04:15	5.10	76.05	0.53
2018/06/27 04:30	5.03	74.67	0.53
2018/06/27 04:45	5.04	76.23	0.54
2018/06/27 05:00	5.04	81.70	0.58
2018/06/27 05:15	5.04	90.25	0.64
2018/06/27 05:30	5.10	91.67	0.64
2018/06/27 05:45	5.23	96.27	0.65
2018/06/27 06:00	5.24	95.04	0.64
2018/06/27 06:15	5.24	93.94	0.64
2018/06/27 06:30	5.51	100.30	0.64
2018/06/27 06:45	5.53	103.53	0.65
2018/06/27 07:00	5.84	129.19	0.76
2018/06/27 07:15	6.22	144.32	0.78
2018/06/27 07:30	6.26	145.56	0.78
2018/06/27 07:45	6.58	159.53	0.81
2018/06/27 08:00	6.83	175.97	0.85
2018/06/27 08:15	7.23	188.39	0.85
2018/06/27 08:30	7.23	188.39	0.85
2018/06/27 08:45	7.23	198.83	0.90
2018/06/27 09:00	7.31	200.13	0.89
2018/06/27 09:15	7.31	199.23	0.89
2018/06/27 09:30	7.31	199.23	0.89
2018/06/27 09:45	7.35	201.43	0.89
2018/06/27 10:00	7.62	209.16	0.89
2018/06/27 10:15	7.45	202.02	0.88
2018/06/27 10:30	7.54	204.87	0.88
2018/06/27 10:45	7.54	204.87	0.88
2018/06/27 11:00	7.45	187.93	0.82
2018/06/27 11:15	7.45	191.51	0.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/27 11:30	7.29	186.67	0.83
2018/06/27 11:45	7.10	177.22	0.82
2018/06/27 12:00	6.98	176.93	0.83
2018/06/27 12:15	6.67	167.40	0.83
2018/06/27 12:30	6.66	163.65	0.82
2018/06/27 12:45	6.55	154.65	0.79
2018/06/27 13:00	6.53	159.67	0.82
2018/06/27 13:15	6.53	159.67	0.82
2018/06/27 13:30	6.53	159.67	0.82
2018/06/27 13:45	6.58	163.38	0.83
2018/06/27 14:00	6.58	163.38	0.83
2018/06/27 14:15	6.58	159.37	0.81
2018/06/27 14:30	6.40	147.79	0.77
2018/06/27 14:45	6.40	147.79	0.77
2018/06/27 15:00	6.40	147.79	0.77
2018/06/27 15:15	6.39	147.74	0.77
2018/06/27 15:30	6.39	149.25	0.78
2018/06/27 15:45	6.35	148.09	0.78
2018/06/27 16:00	6.25	143.63	0.77
2018/06/27 16:15	6.25	143.63	0.77
2018/06/27 16:30	6.25	143.73	0.77
2018/06/27 16:45	6.32	145.45	0.77
2018/06/27 17:00	6.40	147.75	0.77
2018/06/27 17:15	6.43	148.92	0.77
2018/06/27 17:30	6.43	148.98	0.77
2018/06/27 17:45	6.37	147.25	0.77
2018/06/27 18:00	6.43	152.72	0.79
2018/06/27 18:15	6.43	154.59	0.80
2018/06/27 18:30	6.72	172.95	0.85
2018/06/27 18:45	6.78	174.84	0.85
2018/06/27 19:00	6.79	175.20	0.85
2018/06/27 19:15	6.83	176.41	0.85
2018/06/27 19:30	6.79	174.74	0.85
2018/06/27 19:45	6.78	174.34	0.85
2018/06/27 20:00	6.67	161.86	0.80
2018/06/27 20:15	6.59	159.47	0.80
2018/06/27 20:30	6.59	159.47	0.80
2018/06/27 20:45	6.56	164.63	0.84
2018/06/27 21:00	6.56	164.82	0.84
2018/06/27 21:15	6.64	175.17	0.88
2018/06/27 21:30	6.73	179.51	0.88
2018/06/27 21:45	6.78	182.70	0.89
2018/06/27 22:00	6.78	182.70	0.89
2018/06/27 22:15	6.77	183.01	0.89
2018/06/27 22:30	6.85	183.42	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/27 22:45	6.77	180.49	0.88
2018/06/27 23:00	6.76	179.63	0.88
2018/06/27 23:15	6.57	170.93	0.87
2018/06/27 23:30	6.50	164.32	0.84
2018/06/27 23:45	6.40	155.39	0.81
2018/06/28 00:00	6.38	154.78	0.81
2018/06/28 00:15	6.36	154.18	0.81
2018/06/28 00:30	6.32	149.27	0.79
2018/06/28 00:45	6.10	134.99	0.75
2018/06/28 01:00	5.87	119.63	0.70
2018/06/28 01:15	5.75	113.05	0.68
2018/06/28 01:30	5.59	105.59	0.66
2018/06/28 01:45	5.41	96.38	0.62
2018/06/28 02:00	5.34	93.17	0.61
2018/06/28 02:15	5.27	90.02	0.60
2018/06/28 02:30	5.16	81.72	0.56
2018/06/28 02:45	5.14	79.90	0.55
2018/06/28 03:00	5.14	79.90	0.55
2018/06/28 03:15	5.05	78.06	0.55
2018/06/28 03:30	5.05	70.99	0.50
2018/06/28 03:45	4.95	68.85	0.50
2018/06/28 04:00	4.92	66.99	0.49
2018/06/28 04:15	4.92	66.99	0.49
2018/06/28 04:30	4.92	67.01	0.49
2018/06/28 04:45	4.97	67.91	0.49
2018/06/28 05:00	4.97	70.68	0.51
2018/06/28 05:15	4.97	70.68	0.51
2018/06/28 05:30	4.97	70.68	0.51
2018/06/28 05:45	4.99	72.41	0.52
2018/06/28 06:00	5.10	77.47	0.54
2018/06/28 06:15	5.26	88.20	0.59
2018/06/28 06:30	5.44	104.79	0.68
2018/06/28 06:45	5.51	108.66	0.69
2018/06/28 07:00	5.81	119.05	0.70
2018/06/28 07:15	5.87	121.20	0.71
2018/06/28 07:30	6.08	128.98	0.72
2018/06/28 07:45	6.73	170.58	0.84
2018/06/28 08:00	6.77	172.46	0.84
2018/06/28 08:15	6.83	175.87	0.85
2018/06/28 08:30	6.98	185.02	0.87
2018/06/28 08:45	7.37	197.36	0.87
2018/06/28 09:00	7.41	205.08	0.90
2018/06/28 09:15	7.45	206.38	0.90
2018/06/28 09:30	7.45	209.44	0.91
2018/06/28 09:45	7.57	213.28	0.91

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/28 10:00	7.57	213.28	0.91
2018/06/28 10:15	7.57	203.23	0.87
2018/06/28 10:30	7.57	203.23	0.87
2018/06/28 10:45	7.57	201.15	0.86
2018/06/28 11:00	7.48	198.63	0.86
2018/06/28 11:15	7.48	190.63	0.83
2018/06/28 11:30	7.41	188.79	0.83
2018/06/28 11:45	7.36	189.77	0.84
2018/06/28 12:00	7.23	193.55	0.87
2018/06/28 12:15	7.23	191.45	0.86
2018/06/28 12:30	7.05	187.81	0.87
2018/06/28 12:45	7.00	186.21	0.87
2018/06/28 13:00	6.94	182.28	0.86
2018/06/28 13:15	6.93	181.96	0.86
2018/06/28 13:30	6.80	176.85	0.86
2018/06/28 13:45	6.72	172.51	0.85
2018/06/28 14:00	6.71	172.20	0.85
2018/06/28 14:15	6.71	172.20	0.85
2018/06/28 14:30	6.68	166.96	0.83
2018/06/28 14:45	6.68	166.96	0.83
2018/06/28 15:00	6.66	166.34	0.83
2018/06/28 15:15	6.63	163.17	0.82
2018/06/28 15:30	6.61	162.13	0.81
2018/06/28 15:45	6.51	159.49	0.82
2018/06/28 16:00	6.51	159.49	0.82
2018/06/28 16:15	6.51	165.46	0.85
2018/06/28 16:30	6.61	168.61	0.85
2018/06/28 16:45	6.61	168.61	0.85
2018/06/28 17:00	6.61	164.52	0.83
2018/06/28 17:15	6.58	161.54	0.82
2018/06/28 17:30	6.58	161.54	0.82
2018/06/28 17:45	6.58	161.54	0.82
2018/06/28 18:00	6.58	161.54	0.82
2018/06/28 18:15	6.54	160.33	0.82
2018/06/28 18:30	6.51	157.27	0.80
2018/06/28 18:45	6.51	157.27	0.80
2018/06/28 19:00	6.50	155.08	0.79
2018/06/28 19:15	6.51	157.27	0.80
2018/06/28 19:30	6.59	165.91	0.84
2018/06/28 19:45	6.59	165.91	0.84
2018/06/28 20:00	6.59	160.12	0.81
2018/06/28 20:15	6.68	168.70	0.84
2018/06/28 20:30	6.80	173.14	0.84
2018/06/28 20:45	6.88	175.62	0.84
2018/06/28 21:00	6.95	182.26	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/28 21:15	6.95	182.26	0.86
2018/06/28 21:30	6.95	182.26	0.86
2018/06/28 21:45	6.91	181.00	0.86
2018/06/28 22:00	6.91	181.00	0.86
2018/06/28 22:15	6.89	180.25	0.86
2018/06/28 22:30	6.89	182.32	0.87
2018/06/28 22:45	6.80	183.04	0.89
2018/06/28 23:00	6.76	181.78	0.89
2018/06/28 23:15	6.70	167.69	0.83
2018/06/28 23:30	6.56	160.89	0.82
2018/06/28 23:45	6.29	146.21	0.78
2018/06/29 00:00	6.16	138.85	0.76
2018/06/29 00:15	6.15	136.70	0.75
2018/06/29 00:30	6.07	136.02	0.76
2018/06/29 00:45	6.03	127.55	0.72
2018/06/29 01:00	5.88	123.52	0.72
2018/06/29 01:15	5.84	121.92	0.72
2018/06/29 01:30	5.82	124.83	0.74
2018/06/29 01:45	5.71	118.49	0.72
2018/06/29 02:00	5.66	117.16	0.72
2018/06/29 02:15	5.43	88.90	0.57
2018/06/29 02:30	5.21	82.83	0.56
2018/06/29 02:45	5.21	82.83	0.56
2018/06/29 03:00	5.21	84.27	0.57
2018/06/29 03:15	5.28	85.89	0.57
2018/06/29 03:30	5.28	94.79	0.63
2018/06/29 03:45	5.28	94.79	0.63
2018/06/29 04:00	5.22	84.44	0.57
2018/06/29 04:15	5.12	80.73	0.56
2018/06/29 04:30	5.12	80.73	0.56
2018/06/29 04:45	5.12	79.31	0.55
2018/06/29 05:00	5.12	79.31	0.55
2018/06/29 05:15	5.19	85.18	0.58
2018/06/29 05:30	5.20	85.37	0.58
2018/06/29 05:45	5.30	92.19	0.61
2018/06/29 06:00	5.34	93.10	0.61
2018/06/29 06:15	5.35	93.34	0.61
2018/06/29 06:30	5.35	94.78	0.62
2018/06/29 06:45	5.47	102.43	0.66
2018/06/29 07:00	5.87	119.62	0.70
2018/06/29 07:15	5.89	123.59	0.72
2018/06/29 07:30	6.18	140.99	0.77
2018/06/29 07:45	6.65	171.95	0.86
2018/06/29 08:00	6.94	182.40	0.86
2018/06/29 08:15	7.12	188.11	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/29 08:30	7.14	188.74	0.86
2018/06/29 08:45	7.20	189.39	0.86
2018/06/29 09:00	7.22	189.97	0.86
2018/06/29 09:15	7.29	192.11	0.86
2018/06/29 09:30	7.45	201.07	0.87
2018/06/29 09:45	7.45	201.07	0.87
2018/06/29 10:00	7.48	201.92	0.87
2018/06/29 10:15	7.57	207.37	0.89
2018/06/29 10:30	7.57	205.70	0.88
2018/06/29 10:45	7.50	199.09	0.86
2018/06/29 11:00	7.48	195.70	0.85
2018/06/29 11:15	7.36	199.30	0.88
2018/06/29 11:30	7.36	199.30	0.88
2018/06/29 11:45	7.32	192.34	0.85
2018/06/29 12:00	7.29	191.41	0.85
2018/06/29 12:15	7.32	200.18	0.89
2018/06/29 12:30	7.38	194.15	0.85
2018/06/29 12:45	7.21	185.67	0.84
2018/06/29 13:00	7.21	185.18	0.84
2018/06/29 13:15	6.91	176.68	0.84
2018/06/29 13:30	6.85	174.36	0.84
2018/06/29 13:45	6.85	174.82	0.84
2018/06/29 14:00	6.83	173.69	0.84
2018/06/29 14:15	6.83	167.37	0.81
2018/06/29 14:30	6.71	163.83	0.81
2018/06/29 14:45	6.53	156.01	0.80
2018/06/29 15:00	6.53	156.01	0.80
2018/06/29 15:15	6.53	159.74	0.81
2018/06/29 15:30	6.50	158.83	0.81
2018/06/29 15:45	6.50	155.06	0.79
2018/06/29 16:00	6.35	166.33	0.88
2018/06/29 16:15	6.35	150.32	0.79
2018/06/29 16:30	6.33	147.78	0.78
2018/06/29 16:45	6.33	149.68	0.79
2018/06/29 17:00	6.33	144.05	0.76
2018/06/29 17:15	6.38	145.47	0.76
2018/06/29 17:30	6.41	156.01	0.81
2018/06/29 17:45	6.41	156.01	0.81
2018/06/29 18:00	6.38	145.47	0.76
2018/06/29 18:15	6.49	158.79	0.82
2018/06/29 18:30	6.49	158.79	0.82
2018/06/29 18:45	6.45	151.49	0.78
2018/06/29 19:00	6.52	159.70	0.82
2018/06/29 19:15	6.56	162.87	0.83
2018/06/29 19:30	6.54	162.26	0.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/29 19:45	6.56	162.87	0.83
2018/06/29 20:00	6.61	164.61	0.83
2018/06/29 20:15	6.65	171.81	0.86
2018/06/29 20:30	6.70	173.45	0.86
2018/06/29 20:45	6.73	174.40	0.86
2018/06/29 21:00	6.73	172.98	0.85
2018/06/29 21:15	6.70	171.58	0.85
2018/06/29 21:30	6.68	170.67	0.85
2018/06/29 21:45	6.68	170.67	0.85
2018/06/29 22:00	6.68	170.67	0.85
2018/06/29 22:15	6.62	165.01	0.83
2018/06/29 22:30	6.62	168.52	0.85
2018/06/29 22:45	6.62	172.65	0.87
2018/06/29 23:00	6.61	172.60	0.87
2018/06/29 23:15	6.58	171.64	0.87
2018/06/29 23:30	6.56	170.99	0.87
2018/06/29 23:45	6.41	154.14	0.80
2018/06/30 00:00	6.38	147.44	0.77
2018/06/30 00:15	6.22	142.52	0.77
2018/06/30 00:30	6.05	133.46	0.75
2018/06/30 00:45	5.83	120.17	0.71
2018/06/30 01:00	5.83	120.03	0.71
2018/06/30 01:15	5.80	119.29	0.71
2018/06/30 01:30	5.74	117.80	0.71
2018/06/30 01:45	5.69	116.53	0.71
2018/06/30 02:00	5.67	115.91	0.71
2018/06/30 02:15	5.61	111.04	0.69
2018/06/30 02:30	5.50	107.97	0.69
2018/06/30 02:45	5.37	96.96	0.63
2018/06/30 03:00	5.25	91.06	0.61
2018/06/30 03:15	5.11	84.88	0.59
2018/06/30 03:30	5.10	79.03	0.55
2018/06/30 03:45	5.00	76.82	0.55
2018/06/30 04:00	5.00	73.96	0.53
2018/06/30 04:15	5.00	73.96	0.53
2018/06/30 04:30	5.00	72.59	0.52
2018/06/30 04:45	5.00	76.66	0.55
2018/06/30 05:00	4.97	72.05	0.52
2018/06/30 05:15	4.97	72.05	0.52
2018/06/30 05:30	4.97	72.04	0.52
2018/06/30 05:45	4.97	72.04	0.52
2018/06/30 06:00	4.99	72.43	0.52
2018/06/30 06:15	5.09	78.71	0.55
2018/06/30 06:30	5.13	82.32	0.57
2018/06/30 06:45	5.14	82.68	0.57

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/30 07:00	5.19	85.13	0.58
2018/06/30 07:15	5.30	89.17	0.59
2018/06/30 07:30	5.37	102.90	0.67
2018/06/30 07:45	5.71	120.13	0.73
2018/06/30 08:00	5.88	125.00	0.73
2018/06/30 08:15	5.91	131.04	0.76
2018/06/30 08:30	6.31	167.86	0.89
2018/06/30 08:45	6.79	187.25	0.91
2018/06/30 09:00	6.85	191.20	0.92
2018/06/30 09:15	6.99	200.79	0.94
2018/06/30 09:30	7.42	231.06	1.01
2018/06/30 09:45	7.51	234.29	1.01
2018/06/30 10:00	7.58	236.84	1.01
2018/06/30 10:15	7.59	225.87	0.96
2018/06/30 10:30	7.59	225.87	0.96
2018/06/30 10:45	7.90	233.07	0.95
2018/06/30 11:00	8.24	248.23	0.96
2018/06/30 11:15	8.24	244.33	0.95
2018/06/30 11:30	8.24	238.75	0.92
2018/06/30 11:45	7.93	195.87	0.79
2018/06/30 12:00	7.89	194.71	0.79
2018/06/30 12:15	7.89	194.71	0.79
2018/06/30 12:30	7.89	229.78	0.93
2018/06/30 12:45	7.85	228.62	0.94
2018/06/30 13:00	7.85	228.62	0.94
2018/06/30 13:15	7.85	228.62	0.94
2018/06/30 13:30	7.80	219.28	0.90
2018/06/30 13:45	7.42	203.76	0.89
2018/06/30 14:00	7.15	194.47	0.89
2018/06/30 14:15	7.15	194.47	0.89
2018/06/30 14:30	7.08	192.08	0.89
2018/06/30 14:45	6.87	185.85	0.89
2018/06/30 15:00	6.80	182.88	0.89
2018/06/30 15:15	6.80	185.52	0.90
2018/06/30 15:30	6.80	185.52	0.90
2018/06/30 15:45	6.80	185.52	0.90
2018/06/30 16:00	6.78	172.19	0.84
2018/06/30 16:15	6.78	173.91	0.85
2018/06/30 16:30	6.66	168.02	0.84
2018/06/30 16:45	6.66	168.02	0.84
2018/06/30 17:00	6.66	170.09	0.85
2018/06/30 17:15	6.66	170.09	0.85
2018/06/30 17:30	6.66	169.66	0.84
2018/06/30 17:45	6.54	166.44	0.85
2018/06/30 18:00	6.54	166.44	0.85

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/06/30 18:15	6.54	168.09	0.86
2018/06/30 18:30	6.77	175.44	0.86
2018/06/30 18:45	6.77	175.44	0.86
2018/06/30 19:00	6.77	173.38	0.85
2018/06/30 19:15	6.77	173.38	0.85
2018/06/30 19:30	6.77	173.38	0.85
2018/06/30 19:45	6.76	175.68	0.86
2018/06/30 20:00	6.76	175.68	0.86
2018/06/30 20:15	6.76	175.68	0.86
2018/06/30 20:30	6.76	175.68	0.86
2018/06/30 20:45	6.76	175.68	0.86
2018/06/30 21:00	6.75	175.39	0.86
2018/06/30 21:15	6.75	175.39	0.86
2018/06/30 21:30	6.53	168.41	0.86
2018/06/30 21:45	6.53	168.41	0.86
2018/06/30 22:00	6.53	169.84	0.87
2018/06/30 22:15	6.95	192.99	0.91
2018/06/30 22:30	6.95	192.99	0.91
2018/06/30 22:45	6.95	192.99	0.91
2018/06/30 23:00	6.76	173.61	0.85
2018/06/30 23:15	6.45	163.14	0.84
2018/06/30 23:30	6.45	163.14	0.84
2018/06/30 23:45	6.45	163.14	0.84
2018/07/01 00:00	6.45	163.14	0.84
2018/07/01 00:15	6.45	163.14	0.84
2018/07/01 00:30	6.25	145.25	0.78
2018/07/01 00:45	5.96	136.79	0.78
2018/07/01 01:00	5.89	127.09	0.74
2018/07/01 01:15	5.86	124.59	0.73
2018/07/01 01:30	5.81	121.43	0.72
2018/07/01 01:45	5.60	112.17	0.70
2018/07/01 02:00	5.57	109.76	0.69
2018/07/01 02:15	5.44	98.45	0.63
2018/07/01 02:30	5.35	94.98	0.63
2018/07/01 02:45	5.22	88.68	0.60
2018/07/01 03:00	5.12	86.50	0.60
2018/07/01 03:15	5.12	86.50	0.60
2018/07/01 03:30	5.03	84.50	0.60
2018/07/01 03:45	5.02	84.28	0.60
2018/07/01 04:00	4.98	76.41	0.55
2018/07/01 04:15	4.97	76.21	0.55
2018/07/01 04:30	4.95	74.44	0.54
2018/07/01 04:45	4.97	74.87	0.54
2018/07/01 05:00	4.98	75.04	0.54
2018/07/01 05:15	4.97	73.49	0.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/01 05:30	4.99	73.88	0.53
2018/07/01 05:45	5.04	77.77	0.55
2018/07/01 06:00	4.99	73.88	0.53
2018/07/01 06:15	4.99	76.76	0.55
2018/07/01 06:30	5.03	87.15	0.62
2018/07/01 06:45	5.08	88.48	0.62
2018/07/01 07:00	5.15	89.95	0.62
2018/07/01 07:15	5.19	91.03	0.62
2018/07/01 07:30	5.31	94.03	0.62
2018/07/01 07:45	5.49	109.31	0.69
2018/07/01 08:00	5.97	131.44	0.75
2018/07/01 08:15	6.09	140.35	0.78
2018/07/01 08:30	6.15	145.34	0.80
2018/07/01 08:45	6.18	146.58	0.80
2018/07/01 09:00	6.43	158.48	0.82
2018/07/01 09:15	6.73	184.79	0.91
2018/07/01 09:30	7.11	203.25	0.94
2018/07/01 09:45	7.19	205.98	0.94
2018/07/01 10:00	7.20	206.33	0.94
2018/07/01 10:15	7.21	206.96	0.94
2018/07/01 10:30	7.38	212.74	0.94
2018/07/01 10:45	7.76	231.57	0.96
2018/07/01 11:00	8.01	240.01	0.96
2018/07/01 11:15	8.08	247.68	0.98
2018/07/01 11:30	8.10	243.09	0.96
2018/07/01 11:45	8.21	246.39	0.96
2018/07/01 12:00	8.30	245.57	0.94
2018/07/01 12:15	8.30	239.99	0.92
2018/07/01 12:30	8.21	233.54	0.91
2018/07/01 12:45	8.10	230.06	0.91
2018/07/01 13:00	7.96	225.60	0.91
2018/07/01 13:15	7.83	217.82	0.89
2018/07/01 13:30	7.38	191.57	0.84
2018/07/01 13:45	7.26	188.38	0.84
2018/07/01 14:00	7.16	185.34	0.84
2018/07/01 14:15	7.11	187.73	0.86
2018/07/01 14:30	7.08	182.82	0.84
2018/07/01 14:45	6.99	182.96	0.86
2018/07/01 15:00	6.84	178.36	0.86
2018/07/01 15:15	6.84	178.15	0.86
2018/07/01 15:30	6.84	178.15	0.86
2018/07/01 15:45	6.87	179.32	0.86
2018/07/01 16:00	6.87	179.32	0.86
2018/07/01 16:15	6.87	179.11	0.86
2018/07/01 16:30	6.88	182.05	0.87

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/01 16:45	6.81	179.80	0.87
2018/07/01 17:00	6.79	176.59	0.86
2018/07/01 17:15	6.79	176.59	0.86
2018/07/01 17:30	6.81	177.54	0.86
2018/07/01 17:45	6.81	177.54	0.86
2018/07/01 18:00	6.91	180.72	0.86
2018/07/01 18:15	7.03	191.86	0.89
2018/07/01 18:30	7.13	195.14	0.89
2018/07/01 18:45	7.13	195.14	0.89
2018/07/01 19:00	7.13	192.53	0.88
2018/07/01 19:15	7.11	186.02	0.86
2018/07/01 19:30	7.10	185.71	0.86
2018/07/01 19:45	7.10	191.61	0.88
2018/07/01 20:00	7.09	194.10	0.90
2018/07/01 20:15	7.09	194.10	0.90
2018/07/01 20:30	7.09	194.10	0.90
2018/07/01 20:45	7.09	189.15	0.87
2018/07/01 21:00	7.09	189.15	0.87
2018/07/01 21:15	7.10	189.42	0.87
2018/07/01 21:30	7.11	187.70	0.86
2018/07/01 21:45	7.15	189.41	0.86
2018/07/01 22:00	7.25	194.41	0.87
2018/07/01 22:15	7.25	192.57	0.86
2018/07/01 22:30	7.25	190.56	0.86
2018/07/01 22:45	7.25	190.56	0.86
2018/07/01 23:00	7.10	182.98	0.84
2018/07/01 23:15	6.65	165.51	0.83
2018/07/01 23:30	6.56	153.14	0.78
2018/07/01 23:45	6.56	153.01	0.78
2018/07/02 00:00	6.54	152.30	0.78
2018/07/02 00:15	6.54	151.93	0.77
2018/07/02 00:30	6.53	151.64	0.77
2018/07/02 00:45	6.35	146.46	0.77
2018/07/02 01:00	6.03	126.01	0.71
2018/07/02 01:15	6.02	120.42	0.68
2018/07/02 01:30	5.80	114.84	0.68
2018/07/02 01:45	5.72	110.84	0.67
2018/07/02 02:00	5.62	106.36	0.66
2018/07/02 02:15	5.61	104.62	0.65
2018/07/02 02:30	5.54	104.17	0.66
2018/07/02 02:45	5.50	101.73	0.65
2018/07/02 03:00	5.44	97.06	0.63
2018/07/02 03:15	5.37	90.73	0.59
2018/07/02 03:30	5.32	88.12	0.58
2018/07/02 03:45	5.32	88.12	0.58

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/02 04:00	5.32	88.12	0.58
2018/07/02 04:15	5.36	88.96	0.58
2018/07/02 04:30	5.36	87.53	0.57
2018/07/02 04:45	5.36	86.02	0.56
2018/07/02 05:00	5.31	84.97	0.56
2018/07/02 05:15	5.31	86.46	0.57
2018/07/02 05:30	5.31	86.51	0.58
2018/07/02 05:45	5.40	90.02	0.59
2018/07/02 06:00	5.43	96.89	0.63
2018/07/02 06:15	5.48	98.05	0.63
2018/07/02 06:30	5.68	106.30	0.65
2018/07/02 06:45	5.73	109.09	0.66
2018/07/02 07:00	5.89	123.61	0.72
2018/07/02 07:15	6.12	135.59	0.75
2018/07/02 07:30	6.23	142.57	0.77
2018/07/02 07:45	6.80	171.11	0.83
2018/07/02 08:00	6.86	176.96	0.85
2018/07/02 08:15	6.88	177.74	0.85
2018/07/02 08:30	7.14	185.86	0.85
2018/07/02 08:45	7.34	192.06	0.85
2018/07/02 09:00	7.41	201.31	0.88
2018/07/02 09:15	7.55	200.65	0.86
2018/07/02 09:30	7.55	197.80	0.85
2018/07/02 09:45	7.55	190.43	0.82
2018/07/02 10:00	7.55	200.65	0.86
2018/07/02 10:15	7.53	196.83	0.85
2018/07/02 10:30	7.47	195.00	0.85
2018/07/02 10:45	7.43	199.16	0.87
2018/07/02 11:00	7.43	201.40	0.88
2018/07/02 11:15	7.43	203.57	0.89
2018/07/02 11:30	7.43	203.57	0.89
2018/07/02 11:45	7.43	203.57	0.89
2018/07/02 12:00	7.43	203.50	0.89
2018/07/02 12:15	7.23	197.11	0.89
2018/07/02 12:30	7.22	196.66	0.89
2018/07/02 12:45	6.99	187.79	0.88
2018/07/02 13:00	6.97	184.58	0.87
2018/07/02 13:15	6.90	182.33	0.87
2018/07/02 13:30	6.82	171.18	0.83
2018/07/02 13:45	6.82	171.18	0.83
2018/07/02 14:00	6.82	175.66	0.85
2018/07/02 14:15	6.77	169.70	0.83
2018/07/02 14:30	6.77	169.70	0.83
2018/07/02 14:45	6.77	174.04	0.85
2018/07/02 15:00	6.70	169.40	0.84

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/02 15:15	6.70	167.55	0.83
2018/07/02 15:30	6.70	163.16	0.81
2018/07/02 15:45	6.70	161.37	0.80
2018/07/02 16:00	6.69	161.08	0.80
2018/07/02 16:15	6.73	162.26	0.80
2018/07/02 16:30	6.63	161.27	0.81
2018/07/02 16:45	6.62	160.97	0.81
2018/07/02 17:00	6.63	162.76	0.81
2018/07/02 17:15	6.55	158.87	0.81
2018/07/02 17:30	6.50	156.97	0.81
2018/07/02 17:45	6.38	146.92	0.77
2018/07/02 18:00	6.33	141.90	0.75
2018/07/02 18:15	6.33	141.90	0.75
2018/07/02 18:30	6.32	141.62	0.75
2018/07/02 18:45	6.33	141.90	0.75
2018/07/02 19:00	6.41	146.23	0.76
2018/07/02 19:15	6.41	148.15	0.77
2018/07/02 19:30	6.70	165.55	0.82
2018/07/02 19:45	6.81	172.83	0.84
2018/07/02 20:00	6.95	177.15	0.84
2018/07/02 20:15	6.95	177.81	0.84
2018/07/02 20:30	6.95	177.81	0.84
2018/07/02 20:45	6.95	177.91	0.84
2018/07/02 21:00	6.95	180.01	0.85
2018/07/02 21:15	7.04	190.42	0.89
2018/07/02 21:30	7.04	190.42	0.89
2018/07/02 21:45	7.04	190.42	0.89
2018/07/02 22:00	6.87	170.95	0.82
2018/07/02 22:15	6.80	167.99	0.82
2018/07/02 22:30	6.72	163.99	0.81
2018/07/02 22:45	6.59	159.81	0.81
2018/07/02 23:00	6.52	157.71	0.81
2018/07/02 23:15	6.52	151.65	0.77
2018/07/02 23:30	6.41	148.48	0.77
2018/07/02 23:45	6.30	145.30	0.77
2018/07/03 00:00	6.24	143.14	0.77
2018/07/03 00:15	6.15	125.69	0.69
2018/07/03 00:30	5.95	120.08	0.69
2018/07/03 00:45	5.88	114.99	0.67
2018/07/03 01:00	5.86	109.27	0.64
2018/07/03 01:15	5.78	105.55	0.63
2018/07/03 01:30	5.68	101.44	0.62
2018/07/03 01:45	5.62	98.37	0.61
2018/07/03 02:00	5.47	94.58	0.61
2018/07/03 02:15	5.44	92.40	0.60

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/03 02:30	5.43	87.43	0.56
2018/07/03 02:45	5.35	85.76	0.56
2018/07/03 03:00	5.13	72.34	0.50
2018/07/03 03:15	5.06	71.04	0.50
2018/07/03 03:30	5.06	66.92	0.47
2018/07/03 03:45	5.04	66.53	0.47
2018/07/03 04:00	5.04	65.08	0.46
2018/07/03 04:15	5.02	66.12	0.47
2018/07/03 04:30	5.01	64.60	0.46
2018/07/03 04:45	5.02	66.12	0.47
2018/07/03 05:00	5.02	66.12	0.47
2018/07/03 05:15	5.05	66.71	0.47
2018/07/03 05:30	5.11	72.05	0.50
2018/07/03 05:45	5.32	77.82	0.52
2018/07/03 06:00	5.40	80.75	0.53
2018/07/03 06:15	5.44	83.16	0.54
2018/07/03 06:30	5.51	89.49	0.57
2018/07/03 06:45	5.52	95.87	0.61
2018/07/03 07:00	5.61	98.19	0.61
2018/07/03 07:15	5.71	100.45	0.61
2018/07/03 07:30	5.98	122.71	0.70
2018/07/03 07:45	6.42	148.41	0.77
2018/07/03 08:00	6.47	149.85	0.77
2018/07/03 08:15	6.53	161.01	0.82
2018/07/03 08:30	6.79	169.23	0.82
2018/07/03 08:45	7.04	176.76	0.82
2018/07/03 09:00	7.06	175.19	0.81
2018/07/03 09:15	7.07	177.66	0.82
2018/07/03 09:30	7.07	184.12	0.85
2018/07/03 09:45	7.27	191.90	0.86
2018/07/03 10:00	7.27	191.90	0.86
2018/07/03 10:15	7.27	191.90	0.86
2018/07/03 10:30	7.46	197.73	0.86
2018/07/03 10:45	7.35	194.30	0.86
2018/07/03 11:00	7.35	200.96	0.89
2018/07/03 11:15	7.46	204.50	0.89
2018/07/03 11:30	7.46	204.50	0.89
2018/07/03 11:45	7.44	196.77	0.86
2018/07/03 12:00	7.44	196.22	0.85
2018/07/03 12:15	7.27	190.94	0.85
2018/07/03 12:30	7.26	190.62	0.85
2018/07/03 12:45	7.24	187.65	0.84
2018/07/03 13:00	7.22	184.03	0.83
2018/07/03 13:15	6.98	176.72	0.83
2018/07/03 13:30	6.65	165.66	0.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/03 13:45	6.63	163.10	0.82
2018/07/03 14:00	6.63	163.10	0.82
2018/07/03 14:15	6.62	164.74	0.83
2018/07/03 14:30	6.63	165.07	0.83
2018/07/03 14:45	6.63	165.07	0.83
2018/07/03 15:00	6.73	168.13	0.83
2018/07/03 15:15	6.73	164.77	0.81
2018/07/03 15:30	6.73	164.27	0.81
2018/07/03 15:45	6.53	158.22	0.81
2018/07/03 16:00	6.53	153.94	0.79
2018/07/03 16:15	6.49	150.62	0.77
2018/07/03 16:30	6.53	151.98	0.78
2018/07/03 16:45	6.58	155.40	0.79
2018/07/03 17:00	6.58	153.43	0.78
2018/07/03 17:15	6.51	149.27	0.76
2018/07/03 17:30	6.59	153.71	0.78
2018/07/03 17:45	6.70	159.16	0.79
2018/07/03 18:00	6.71	165.64	0.82
2018/07/03 18:15	6.72	165.94	0.82
2018/07/03 18:30	6.72	165.94	0.82
2018/07/03 18:45	6.71	163.66	0.81
2018/07/03 19:00	6.64	159.35	0.80
2018/07/03 19:15	6.57	155.08	0.79
2018/07/03 19:30	6.56	154.78	0.79
2018/07/03 19:45	6.56	154.78	0.79
2018/07/03 20:00	6.56	154.78	0.79
2018/07/03 20:15	6.66	160.03	0.80
2018/07/03 20:30	6.66	166.35	0.83
2018/07/03 20:45	6.66	166.35	0.83
2018/07/03 21:00	6.65	161.46	0.81
2018/07/03 21:15	6.56	157.08	0.80
2018/07/03 21:30	6.53	155.97	0.80
2018/07/03 21:45	6.51	155.33	0.80
2018/07/03 22:00	6.51	154.97	0.79
2018/07/03 22:15	6.56	156.86	0.80
2018/07/03 22:30	6.58	161.27	0.82
2018/07/03 22:45	6.58	161.27	0.82
2018/07/03 23:00	6.58	159.28	0.80
2018/07/03 23:15	6.56	158.68	0.80
2018/07/03 23:30	6.51	155.33	0.80
2018/07/03 23:45	6.47	154.14	0.80
2018/07/04 00:00	6.34	151.37	0.80
2018/07/04 00:15	6.32	147.62	0.78
2018/07/04 00:30	6.16	140.47	0.77
2018/07/04 00:45	6.15	140.23	0.77

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/04 01:00	6.13	139.60	0.77
2018/07/04 01:15	5.88	123.35	0.72
2018/07/04 01:30	5.81	116.93	0.69
2018/07/04 01:45	5.72	112.55	0.68
2018/07/04 02:00	5.72	112.28	0.68
2018/07/04 02:15	5.69	111.52	0.68
2018/07/04 02:30	5.51	102.11	0.65
2018/07/04 02:45	5.31	85.09	0.57
2018/07/04 03:00	5.20	82.83	0.57
2018/07/04 03:15	5.08	78.63	0.55
2018/07/04 03:30	5.08	78.60	0.55
2018/07/04 03:45	5.04	68.01	0.48
2018/07/04 04:00	5.03	66.38	0.47
2018/07/04 04:15	5.00	65.86	0.47
2018/07/04 04:30	5.00	65.86	0.47
2018/07/04 04:45	5.00	64.53	0.46
2018/07/04 05:00	5.00	64.53	0.46
2018/07/04 05:15	5.00	64.53	0.46
2018/07/04 05:30	5.03	66.29	0.47
2018/07/04 05:45	5.03	64.94	0.46
2018/07/04 06:00	4.98	65.42	0.47
2018/07/04 06:15	4.98	65.42	0.47
2018/07/04 06:30	4.98	64.02	0.46
2018/07/04 06:45	4.98	64.02	0.46
2018/07/04 07:00	4.98	66.88	0.48
2018/07/04 07:15	5.13	69.55	0.48
2018/07/04 07:30	5.37	90.94	0.59
2018/07/04 07:45	5.78	113.94	0.68
2018/07/04 08:00	6.02	129.28	0.73
2018/07/04 08:15	6.24	141.28	0.76
2018/07/04 08:30	6.27	145.81	0.78
2018/07/04 08:45	6.47	159.85	0.82
2018/07/04 09:00	6.58	165.64	0.84
2018/07/04 09:15	6.68	177.17	0.88
2018/07/04 09:30	7.47	233.37	1.01
2018/07/04 09:45	7.60	228.95	0.97
2018/07/04 10:00	7.72	223.81	0.93
2018/07/04 10:15	7.70	226.07	0.95
2018/07/04 10:30	7.73	224.14	0.93
2018/07/04 10:45	7.88	225.52	0.92
2018/07/04 11:00	8.09	232.31	0.92
2018/07/04 11:15	8.21	236.15	0.92
2018/07/04 11:30	8.26	234.05	0.90
2018/07/04 11:45	8.33	235.66	0.90
2018/07/04 12:00	8.26	233.16	0.90

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/04 12:15	8.26	217.64	0.84
2018/07/04 12:30	8.09	212.63	0.84
2018/07/04 12:45	7.76	202.82	0.84
2018/07/04 13:00	7.76	203.62	0.84
2018/07/04 13:15	7.76	203.62	0.84
2018/07/04 13:30	7.75	203.22	0.84
2018/07/04 13:45	7.84	205.47	0.84
2018/07/04 14:00	7.96	207.43	0.84
2018/07/04 14:15	7.84	195.13	0.80
2018/07/04 14:30	7.75	190.08	0.79
2018/07/04 14:45	7.48	182.66	0.79
2018/07/04 15:00	7.08	170.85	0.79
2018/07/04 15:15	7.03	180.10	0.84
2018/07/04 15:30	7.03	184.94	0.86
2018/07/04 15:45	7.08	186.53	0.86
2018/07/04 16:00	7.08	186.53	0.86
2018/07/04 16:15	7.03	180.59	0.84
2018/07/04 16:30	6.93	176.67	0.84
2018/07/04 16:45	6.86	174.50	0.84
2018/07/04 17:00	6.84	161.69	0.78
2018/07/04 17:15	6.81	162.63	0.79
2018/07/04 17:30	6.81	162.63	0.79
2018/07/04 17:45	6.81	160.61	0.78
2018/07/04 18:00	6.66	155.64	0.78
2018/07/04 18:15	6.55	150.73	0.77
2018/07/04 18:30	6.52	149.45	0.76
2018/07/04 18:45	6.52	149.45	0.76
2018/07/04 19:00	6.48	148.31	0.76
2018/07/04 19:15	6.46	147.74	0.76
2018/07/04 19:30	6.42	146.60	0.76
2018/07/04 19:45	6.42	148.41	0.77
2018/07/04 20:00	6.42	148.41	0.77
2018/07/04 20:15	6.42	152.86	0.80
2018/07/04 20:30	6.70	167.40	0.83
2018/07/04 20:45	6.70	167.40	0.83
2018/07/04 21:00	6.75	168.98	0.83
2018/07/04 21:15	6.75	168.98	0.83
2018/07/04 21:30	6.75	168.98	0.83
2018/07/04 21:45	6.67	162.85	0.81
2018/07/04 22:00	6.60	154.07	0.78
2018/07/04 22:15	6.39	143.75	0.75
2018/07/04 22:30	6.38	141.54	0.74
2018/07/04 22:45	6.19	135.93	0.74
2018/07/04 23:00	6.19	135.93	0.74
2018/07/04 23:15	6.19	135.93	0.74

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/04 23:30	6.41	146.28	0.76
2018/07/04 23:45	6.41	146.28	0.76
2018/07/05 00:00	6.41	146.28	0.76
2018/07/05 00:15	6.20	144.19	0.78
2018/07/05 00:30	6.14	139.78	0.77
2018/07/05 00:45	6.07	129.04	0.72
2018/07/05 01:00	5.97	118.86	0.68
2018/07/05 01:15	5.87	116.29	0.68
2018/07/05 01:30	5.65	108.83	0.67
2018/07/05 01:45	5.58	94.22	0.59
2018/07/05 02:00	5.47	88.59	0.57
2018/07/05 02:15	5.27	84.35	0.57
2018/07/05 02:30	5.27	84.10	0.56
2018/07/05 02:45	5.24	79.14	0.53
2018/07/05 03:00	5.24	79.14	0.53
2018/07/05 03:15	5.22	78.75	0.53
2018/07/05 03:30	5.19	76.66	0.52
2018/07/05 03:45	5.19	76.66	0.52
2018/07/05 04:00	5.13	75.41	0.52
2018/07/05 04:15	5.10	74.83	0.52
2018/07/05 04:30	5.10	74.71	0.52
2018/07/05 04:45	5.10	71.99	0.50
2018/07/05 05:00	5.11	72.02	0.50
2018/07/05 05:15	5.12	72.21	0.50
2018/07/05 05:30	5.17	74.63	0.51
2018/07/05 05:45	5.18	76.27	0.52
2018/07/05 06:00	5.19	78.10	0.54
2018/07/05 06:15	5.34	81.07	0.54
2018/07/05 06:30	5.44	87.78	0.57
2018/07/05 06:45	5.47	96.21	0.62
2018/07/05 07:00	5.66	107.31	0.66
2018/07/05 07:15	5.73	110.77	0.67
2018/07/05 07:30	5.92	117.50	0.68
2018/07/05 07:45	6.34	151.90	0.80
2018/07/05 08:00	6.73	164.45	0.81
2018/07/05 08:15	6.74	169.94	0.83
2018/07/05 08:30	7.00	177.93	0.83
2018/07/05 08:45	7.11	183.01	0.84
2018/07/05 09:00	7.16	184.60	0.84
2018/07/05 09:15	7.36	197.91	0.87
2018/07/05 09:30	7.40	202.61	0.89
2018/07/05 09:45	7.40	202.61	0.89
2018/07/05 10:00	7.47	204.92	0.89
2018/07/05 10:15	7.40	202.07	0.89
2018/07/05 10:30	7.38	201.43	0.89

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/05 10:45	7.34	191.16	0.85
2018/07/05 11:00	7.34	200.14	0.89
2018/07/05 11:15	7.33	200.23	0.89
2018/07/05 11:30	7.34	200.55	0.89
2018/07/05 11:45	7.33	192.97	0.86
2018/07/05 12:00	7.24	191.25	0.86
2018/07/05 12:15	7.10	185.78	0.86
2018/07/05 12:30	6.95	171.78	0.81
2018/07/05 12:45	6.90	167.64	0.80
2018/07/05 13:00	6.90	167.64	0.80
2018/07/05 13:15	6.90	167.64	0.80
2018/07/05 13:30	6.87	170.83	0.82
2018/07/05 13:45	6.87	170.85	0.82
2018/07/05 14:00	6.87	170.85	0.82
2018/07/05 14:15	6.87	173.06	0.83
2018/07/05 14:30	6.86	172.83	0.83
2018/07/05 14:45	6.78	170.33	0.83
2018/07/05 15:00	6.74	164.85	0.81
2018/07/05 15:15	6.42	152.32	0.79
2018/07/05 15:30	6.35	146.28	0.77
2018/07/05 15:45	6.35	146.28	0.77
2018/07/05 16:00	6.35	146.28	0.77
2018/07/05 16:15	6.55	154.46	0.79
2018/07/05 16:30	6.59	159.70	0.81
2018/07/05 16:45	6.59	159.70	0.81
2018/07/05 17:00	6.59	157.86	0.80
2018/07/05 17:15	6.59	157.86	0.80
2018/07/05 17:30	6.59	157.86	0.80
2018/07/05 17:45	6.59	151.67	0.77
2018/07/05 18:00	6.58	151.38	0.77
2018/07/05 18:15	6.58	153.66	0.78
2018/07/05 18:30	6.58	153.66	0.78
2018/07/05 18:45	6.72	163.51	0.81
2018/07/05 19:00	6.77	169.84	0.83
2018/07/05 19:15	6.77	169.84	0.83
2018/07/05 19:30	6.77	171.49	0.84
2018/07/05 19:45	6.77	171.49	0.84
2018/07/05 20:00	6.77	169.06	0.83
2018/07/05 20:15	6.75	168.45	0.83
2018/07/05 20:30	6.75	167.57	0.82
2018/07/05 20:45	6.92	173.03	0.82
2018/07/05 21:00	6.92	185.07	0.88
2018/07/05 21:15	6.94	185.72	0.88
2018/07/05 21:30	7.09	191.13	0.88
2018/07/05 21:45	7.13	192.42	0.88

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/05 22:00	7.13	188.64	0.86
2018/07/05 22:15	7.09	169.55	0.78
2018/07/05 22:30	7.01	166.30	0.78
2018/07/05 22:45	6.81	158.15	0.77
2018/07/05 23:00	6.57	151.06	0.77
2018/07/05 23:15	6.55	152.68	0.78
2018/07/05 23:30	6.54	150.20	0.77
2018/07/05 23:45	6.51	149.04	0.76
2018/07/06 00:00	6.41	146.43	0.76
2018/07/06 00:15	6.11	131.83	0.73
2018/07/06 00:30	6.06	124.92	0.70
2018/07/06 00:45	5.96	118.81	0.68
2018/07/06 01:00	5.75	114.22	0.69
2018/07/06 01:15	5.58	105.50	0.66
2018/07/06 01:30	5.49	89.02	0.57
2018/07/06 01:45	5.39	85.18	0.56
2018/07/06 02:00	5.34	84.18	0.56
2018/07/06 02:15	5.29	83.15	0.56
2018/07/06 02:30	5.26	88.13	0.59
2018/07/06 02:45	5.21	87.07	0.59
2018/07/06 03:00	5.16	85.97	0.59
2018/07/06 03:15	5.13	85.30	0.59
2018/07/06 03:30	5.11	73.53	0.51
2018/07/06 03:45	5.05	69.47	0.49
2018/07/06 04:00	4.95	67.69	0.49
2018/07/06 04:15	4.94	66.22	0.48
2018/07/06 04:30	4.89	66.46	0.49
2018/07/06 04:45	4.89	65.05	0.48
2018/07/06 05:00	4.86	64.52	0.48
2018/07/06 05:15	4.89	61.04	0.45
2018/07/06 05:30	4.91	61.37	0.45
2018/07/06 05:45	5.01	63.07	0.45
2018/07/06 06:00	5.05	68.10	0.48
2018/07/06 06:15	5.08	81.31	0.57
2018/07/06 06:30	5.34	87.16	0.57
2018/07/06 06:45	5.40	88.50	0.58
2018/07/06 07:00	5.42	91.98	0.60
2018/07/06 07:15	5.63	110.16	0.68
2018/07/06 07:30	5.85	117.09	0.69
2018/07/06 07:45	6.23	153.74	0.83
2018/07/06 08:00	6.76	170.11	0.83
2018/07/06 08:15	6.89	174.11	0.83
2018/07/06 08:30	6.95	177.85	0.84
2018/07/06 08:45	7.23	180.78	0.81
2018/07/06 09:00	7.26	181.62	0.81

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/06 09:15	7.26	181.62	0.81
2018/07/06 09:30	7.30	194.25	0.87
2018/07/06 09:45	7.30	182.71	0.81
2018/07/06 10:00	7.30	182.82	0.81
2018/07/06 10:15	7.30	182.77	0.81
2018/07/06 10:30	7.30	187.07	0.83
2018/07/06 10:45	7.24	180.99	0.81
2018/07/06 11:00	7.21	184.33	0.83
2018/07/06 11:15	7.12	189.73	0.87
2018/07/06 11:30	7.12	189.73	0.87
2018/07/06 11:45	7.11	189.41	0.87
2018/07/06 12:00	7.11	189.41	0.87
2018/07/06 12:15	7.13	190.70	0.87
2018/07/06 12:30	7.13	190.70	0.87
2018/07/06 12:45	7.12	178.84	0.82
2018/07/06 13:00	7.12	174.29	0.80
2018/07/06 13:15	6.97	169.88	0.80
2018/07/06 13:30	6.91	168.11	0.80
2018/07/06 13:45	6.85	166.29	0.80
2018/07/06 14:00	6.81	170.77	0.83
2018/07/06 14:15	6.73	168.32	0.83
2018/07/06 14:30	6.73	168.32	0.83
2018/07/06 14:45	6.62	162.62	0.82
2018/07/06 15:00	6.45	157.51	0.82
2018/07/06 15:15	6.45	153.20	0.79
2018/07/06 15:30	6.45	153.15	0.79
2018/07/06 15:45	6.45	153.13	0.79
2018/07/06 16:00	6.45	151.70	0.79
2018/07/06 16:15	6.45	149.56	0.78
2018/07/06 16:30	6.41	148.06	0.77
2018/07/06 16:45	6.41	148.06	0.77
2018/07/06 17:00	6.39	147.48	0.77
2018/07/06 17:15	6.39	147.48	0.77
2018/07/06 17:30	6.39	148.98	0.78
2018/07/06 17:45	6.32	146.94	0.78
2018/07/06 18:00	6.39	149.66	0.78
2018/07/06 18:15	6.44	152.96	0.79
2018/07/06 18:30	6.40	153.63	0.80
2018/07/06 18:45	6.44	156.68	0.81
2018/07/06 19:00	6.50	162.64	0.83
2018/07/06 19:15	6.59	170.60	0.86
2018/07/06 19:30	6.90	181.89	0.87
2018/07/06 19:45	6.90	181.89	0.87
2018/07/06 20:00	6.90	182.41	0.87
2018/07/06 20:15	6.79	177.25	0.86

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/06 20:30	6.78	173.95	0.85
2018/07/06 20:45	6.74	171.06	0.84
2018/07/06 21:00	6.74	171.06	0.84
2018/07/06 21:15	6.74	171.06	0.84
2018/07/06 21:30	6.74	173.30	0.85
2018/07/06 21:45	6.80	176.88	0.86
2018/07/06 22:00	6.86	178.79	0.86
2018/07/06 22:15	6.86	177.07	0.85
2018/07/06 22:30	6.80	171.04	0.83
2018/07/06 22:45	6.75	164.31	0.80
2018/07/06 23:00	6.50	155.06	0.79
2018/07/06 23:15	6.42	152.70	0.79
2018/07/06 23:30	6.36	150.92	0.79
2018/07/06 23:45	6.36	152.43	0.80
2018/07/07 00:00	6.36	150.63	0.79
2018/07/07 00:15	6.31	150.94	0.80
2018/07/07 00:30	6.29	148.56	0.79
2018/07/07 00:45	6.25	147.38	0.79
2018/07/07 01:00	5.93	129.73	0.75
2018/07/07 01:15	5.93	128.30	0.74
2018/07/07 01:30	5.84	120.37	0.71
2018/07/07 01:45	5.80	119.32	0.71
2018/07/07 02:00	5.78	118.68	0.71
2018/07/07 02:15	5.73	117.36	0.71
2018/07/07 02:30	5.65	103.83	0.64
2018/07/07 02:45	5.49	93.59	0.60
2018/07/07 03:00	5.31	86.42	0.57
2018/07/07 03:15	5.12	79.24	0.55
2018/07/07 03:30	5.10	74.69	0.52
2018/07/07 03:45	5.09	73.08	0.51
2018/07/07 04:00	5.03	69.15	0.49
2018/07/07 04:15	5.03	69.15	0.49
2018/07/07 04:30	5.03	69.15	0.49
2018/07/07 04:45	5.03	70.54	0.50
2018/07/07 05:00	5.08	71.51	0.50
2018/07/07 05:15	5.08	75.71	0.53
2018/07/07 05:30	5.07	79.74	0.56
2018/07/07 05:45	5.10	80.36	0.56
2018/07/07 06:00	5.11	79.24	0.55
2018/07/07 06:15	5.11	77.83	0.54
2018/07/07 06:30	5.18	80.67	0.55
2018/07/07 06:45	5.18	80.67	0.55
2018/07/07 07:00	5.22	82.99	0.56
2018/07/07 07:15	5.25	83.65	0.56
2018/07/07 07:30	5.52	103.77	0.66

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/07 07:45	5.75	121.34	0.73
2018/07/07 08:00	6.04	133.25	0.75
2018/07/07 08:15	6.06	133.84	0.75
2018/07/07 08:30	6.36	160.45	0.85
2018/07/07 08:45	6.59	169.34	0.85
2018/07/07 09:00	7.11	187.72	0.86
2018/07/07 09:15	7.93	211.29	0.85
2018/07/07 09:30	7.93	211.29	0.85
2018/07/07 09:45	7.93	207.09	0.84
2018/07/07 10:00	7.78	202.64	0.84
2018/07/07 10:15	7.75	187.78	0.78
2018/07/07 10:30	7.73	187.23	0.78
2018/07/07 10:45	7.73	209.47	0.87
2018/07/07 11:00	7.63	210.70	0.89
2018/07/07 11:15	7.63	206.30	0.87
2018/07/07 11:30	7.71	208.80	0.87
2018/07/07 11:45	7.71	208.65	0.87
2018/07/07 12:00	7.63	205.68	0.87
2018/07/07 12:15	7.58	178.83	0.76
2018/07/07 12:30	7.38	180.72	0.79
2018/07/07 12:45	7.38	180.72	0.79
2018/07/07 13:00	7.31	178.69	0.79
2018/07/07 13:15	7.23	178.41	0.80
2018/07/07 13:30	7.23	181.56	0.82
2018/07/07 13:45	6.78	171.93	0.84
2018/07/07 14:00	6.74	170.74	0.84
2018/07/07 14:15	6.72	170.07	0.84
2018/07/07 14:30	6.72	176.57	0.87
2018/07/07 14:45	6.78	178.63	0.87
2018/07/07 15:00	6.80	179.14	0.87
2018/07/07 15:15	6.84	180.38	0.87
2018/07/07 15:30	6.85	180.88	0.87
2018/07/07 15:45	7.02	186.28	0.87
2018/07/07 16:00	7.03	191.63	0.89
2018/07/07 16:15	7.03	191.63	0.89
2018/07/07 16:30	7.02	181.63	0.85
2018/07/07 16:45	6.91	174.13	0.83
2018/07/07 17:00	6.78	170.15	0.83
2018/07/07 17:15	6.78	170.15	0.83
2018/07/07 17:30	6.78	174.17	0.85
2018/07/07 17:45	6.81	175.65	0.85
2018/07/07 18:00	6.81	175.65	0.85
2018/07/07 18:15	6.81	175.65	0.85
2018/07/07 18:30	6.68	166.84	0.83
2018/07/07 18:45	6.66	166.22	0.83

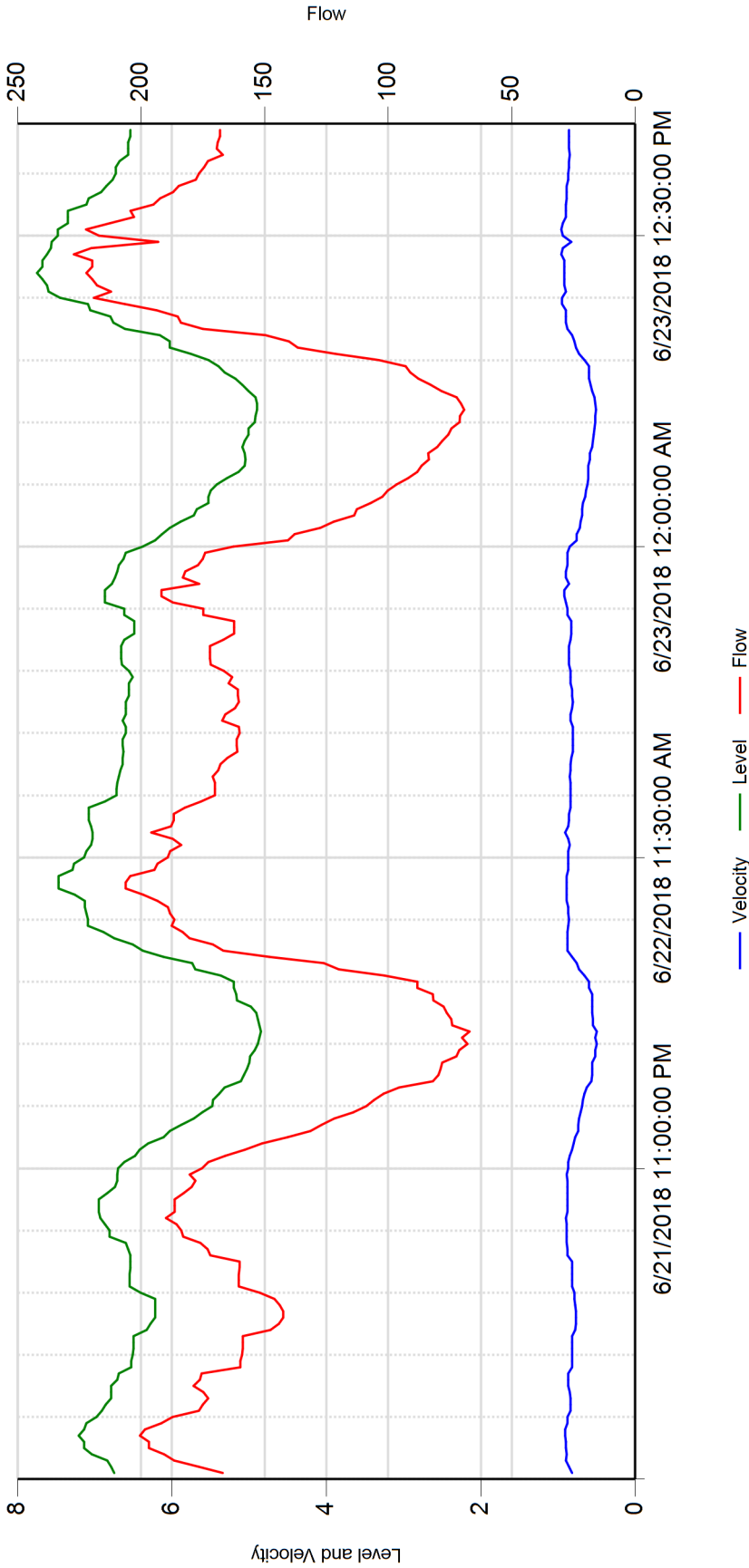
TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/07 19:00	6.66	166.22	0.83
2018/07/07 19:15	6.66	165.87	0.83
2018/07/07 19:30	6.67	164.55	0.82
2018/07/07 19:45	6.70	167.72	0.83
2018/07/07 20:00	6.79	170.48	0.83
2018/07/07 20:15	6.79	170.48	0.83
2018/07/07 20:30	6.79	170.48	0.83
2018/07/07 20:45	6.79	174.19	0.85
2018/07/07 21:00	6.69	173.95	0.86
2018/07/07 21:15	6.64	169.48	0.85
2018/07/07 21:30	6.63	167.13	0.84
2018/07/07 21:45	6.63	167.13	0.84
2018/07/07 22:00	6.66	168.06	0.84
2018/07/07 22:15	6.66	168.06	0.84
2018/07/07 22:30	6.66	168.06	0.84
2018/07/07 22:45	6.67	166.80	0.83
2018/07/07 23:00	6.67	166.80	0.83
2018/07/07 23:15	6.66	162.15	0.81
2018/07/07 23:30	6.58	153.50	0.78
2018/07/07 23:45	6.55	150.71	0.77
2018/07/08 00:00	6.48	144.12	0.74
2018/07/08 00:15	6.23	137.21	0.74
2018/07/08 00:30	6.16	135.32	0.74
2018/07/08 00:45	6.16	135.27	0.74
2018/07/08 01:00	6.13	134.44	0.74
2018/07/08 01:15	5.93	123.19	0.71
2018/07/08 01:30	5.73	109.23	0.66
2018/07/08 01:45	5.67	106.21	0.65
2018/07/08 02:00	5.67	106.21	0.65
2018/07/08 02:15	5.56	100.15	0.63
2018/07/08 02:30	5.56	105.07	0.66
2018/07/08 02:45	5.56	100.15	0.63
2018/07/08 03:00	5.50	98.75	0.63
2018/07/08 03:15	5.47	96.39	0.62
2018/07/08 03:30	5.36	89.13	0.58
2018/07/08 03:45	5.35	87.48	0.57
2018/07/08 04:00	5.31	86.44	0.57
2018/07/08 04:15	5.25	85.17	0.57
2018/07/08 04:30	5.25	85.08	0.57
2018/07/08 04:45	5.25	84.57	0.57
2018/07/08 05:00	5.25	84.57	0.57
2018/07/08 05:15	5.25	84.57	0.57
2018/07/08 05:30	5.25	82.11	0.55
2018/07/08 05:45	5.25	82.11	0.55
2018/07/08 06:00	5.25	79.20	0.53

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/08 06:15	5.15	77.25	0.53
2018/07/08 06:30	5.24	80.36	0.54
2018/07/08 06:45	5.25	82.19	0.55
2018/07/08 07:00	5.25	83.61	0.56
2018/07/08 07:15	5.25	86.78	0.59
2018/07/08 07:30	5.46	102.36	0.66
2018/07/08 07:45	5.63	106.56	0.66
2018/07/08 08:00	5.92	122.72	0.71
2018/07/08 08:15	6.30	148.74	0.79
2018/07/08 08:30	6.50	157.03	0.80
2018/07/08 08:45	6.79	172.61	0.84
2018/07/08 09:00	6.90	176.02	0.84
2018/07/08 09:15	7.07	188.13	0.87
2018/07/08 09:30	7.08	189.17	0.87
2018/07/08 09:45	7.15	191.41	0.87
2018/07/08 10:00	7.62	206.27	0.87
2018/07/08 10:15	7.64	218.28	0.92
2018/07/08 10:30	7.71	220.65	0.92
2018/07/08 10:45	7.97	219.15	0.88
2018/07/08 11:00	7.97	219.15	0.88
2018/07/08 11:15	7.97	218.68	0.88
2018/07/08 11:30	7.58	201.72	0.86
2018/07/08 11:45	7.56	193.55	0.83
2018/07/08 12:00	7.50	191.76	0.83
2018/07/08 12:15	7.47	185.96	0.81
2018/07/08 12:30	7.47	185.96	0.81
2018/07/08 12:45	7.50	186.84	0.81
2018/07/08 13:00	7.50	189.29	0.82
2018/07/08 13:15	7.44	187.48	0.82
2018/07/08 13:30	7.44	188.81	0.82
2018/07/08 13:45	7.24	181.54	0.82
2018/07/08 14:00	7.24	181.54	0.82
2018/07/08 14:15	7.22	178.09	0.80
2018/07/08 14:30	7.16	177.23	0.81
2018/07/08 14:45	7.16	177.23	0.81
2018/07/08 15:00	6.81	170.77	0.83
2018/07/08 15:15	6.81	170.77	0.83
2018/07/08 15:30	6.81	173.18	0.84
2018/07/08 15:45	6.87	175.19	0.84
2018/07/08 16:00	6.87	175.19	0.84
2018/07/08 16:15	6.91	176.43	0.84
2018/07/08 16:30	6.92	176.74	0.84
2018/07/08 16:45	6.87	175.19	0.84
2018/07/08 17:00	6.87	174.81	0.84
2018/07/08 17:15	6.85	172.75	0.83

TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/08 17:30	6.85	174.19	0.84
2018/07/08 17:45	6.85	180.80	0.87
2018/07/08 18:00	6.85	178.41	0.86
2018/07/08 18:15	6.85	180.43	0.87
2018/07/08 18:30	6.91	182.30	0.87
2018/07/08 18:45	6.73	174.55	0.86
2018/07/08 19:00	6.73	174.55	0.86
2018/07/08 19:15	6.77	172.27	0.84
2018/07/08 19:30	6.92	176.93	0.84
2018/07/08 19:45	6.91	176.67	0.84
2018/07/08 20:00	6.91	180.41	0.86
2018/07/08 20:15	6.91	176.67	0.84
2018/07/08 20:30	6.87	175.30	0.84
2018/07/08 20:45	6.78	172.50	0.84
2018/07/08 21:00	6.78	174.44	0.85
2018/07/08 21:15	6.86	176.91	0.85
2018/07/08 21:30	6.87	179.18	0.86
2018/07/08 21:45	7.03	187.05	0.87
2018/07/08 22:00	7.30	196.59	0.88
2018/07/08 22:15	7.30	196.59	0.88
2018/07/08 22:30	7.30	196.59	0.88
2018/07/08 22:45	6.96	178.17	0.84
2018/07/08 23:00	6.93	174.28	0.83
2018/07/08 23:15	6.64	165.36	0.83
2018/07/08 23:30	6.44	154.09	0.80
2018/07/08 23:45	6.43	148.80	0.77
2018/07/09 00:00	6.42	142.75	0.74
2018/07/09 00:15	6.32	137.88	0.73
2018/07/09 00:30	6.16	133.50	0.73
2018/07/09 00:45	5.93	119.63	0.69
2018/07/09 01:00	5.84	114.25	0.67
2018/07/09 01:15	5.73	107.57	0.65
2018/07/09 01:30	5.61	91.65	0.57
2018/07/09 01:45	5.44	88.06	0.57
2018/07/09 02:00	5.36	86.41	0.57
2018/07/09 02:15	5.30	80.49	0.54
2018/07/09 02:30	5.28	79.95	0.53
2018/07/09 02:45	5.25	79.36	0.53
2018/07/09 03:00	5.17	74.65	0.51
2018/07/09 03:15	5.17	73.33	0.50
2018/07/09 03:30	5.14	72.53	0.50
2018/07/09 03:45	5.08	70.29	0.49
2018/07/09 04:00	5.08	70.15	0.49
2018/07/09 04:15	5.08	70.15	0.49
2018/07/09 04:30	5.04	70.59	0.50

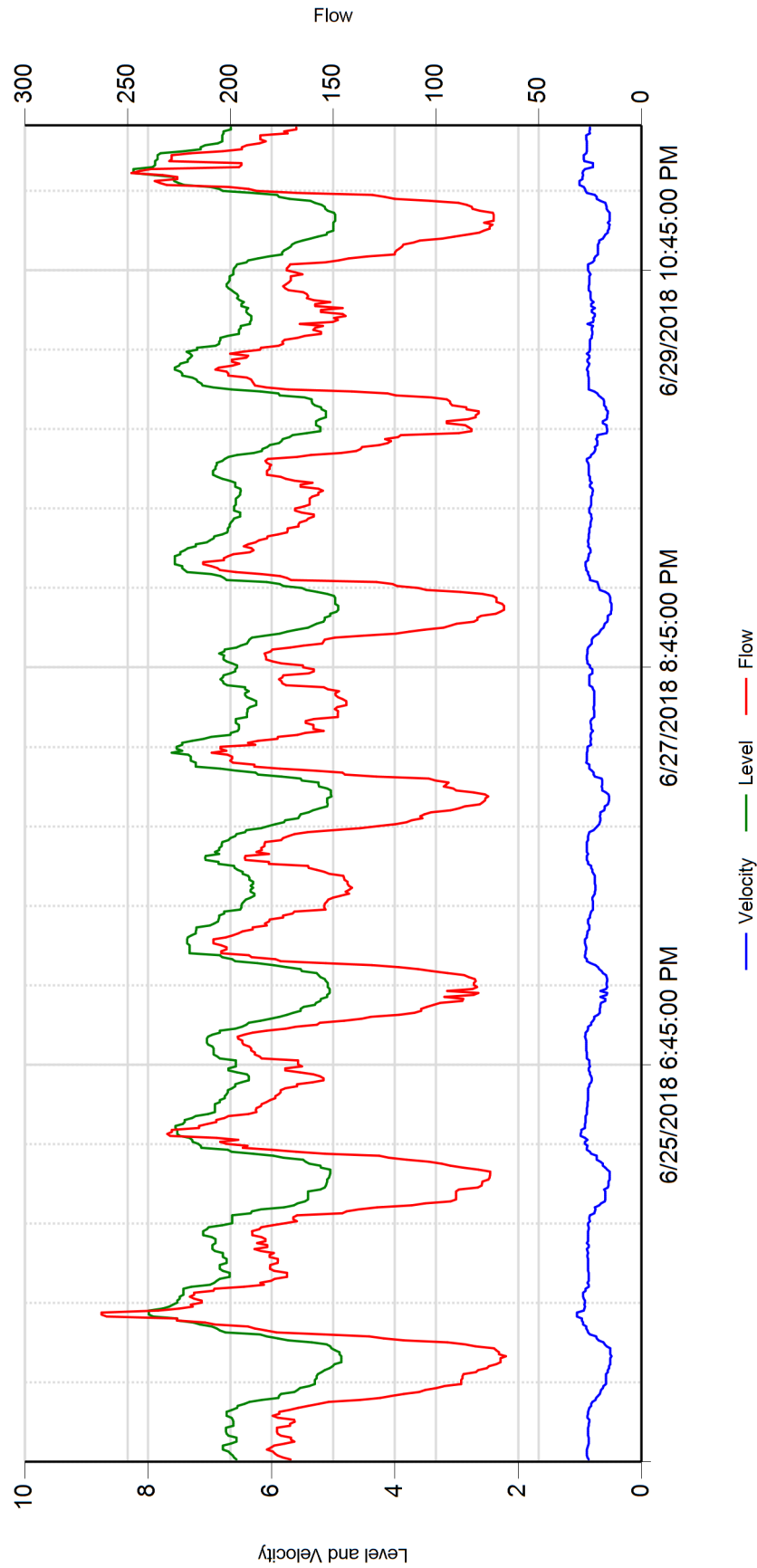
TimeStamp	Level (in)	Flow (gpm)	Velocity (fps)
2018/07/09 04:45	5.02	70.22	0.50
2018/07/09 05:00	5.00	71.23	0.51
2018/07/09 05:15	5.00	71.23	0.51
2018/07/09 05:30	5.00	72.83	0.52
2018/07/09 05:45	5.23	77.48	0.52
2018/07/09 06:00	5.24	79.24	0.54
2018/07/09 06:15	5.29	80.23	0.54
2018/07/09 06:30	5.34	81.22	0.54
2018/07/09 06:45	5.42	88.85	0.58
2018/07/09 07:00	5.82	113.12	0.67
2018/07/09 07:15	5.87	114.66	0.67
2018/07/09 07:30	6.17	142.81	0.78
2018/07/09 07:45	6.70	167.50	0.83
2018/07/09 08:00	6.87	177.36	0.85
2018/07/09 08:15	7.00	181.73	0.85
2018/07/09 08:30	7.52	199.55	0.86
2018/07/09 08:45	7.54	200.24	0.86
2018/07/09 09:00	7.54	200.24	0.86
2018/07/09 09:15	7.52	199.62	0.86
2018/07/09 09:30	7.28	192.07	0.86
2018/07/09 09:45	7.26	191.51	0.86
2018/07/09 10:00	7.26	183.52	0.82
2018/07/09 10:15	7.25	183.22	0.82
2018/07/09 10:30	7.16	172.18	0.78
2018/07/09 10:45	7.10	170.45	0.78
2018/07/09 11:00	7.18	170.18	0.77
2018/07/09 11:15	7.18	170.18	0.77
2018/07/09 11:30	7.18	182.65	0.83
2018/07/09 11:45	7.41	195.93	0.86
2018/07/09 12:00	7.41	195.93	0.86
2018/07/09 12:15	7.41	195.93	0.86
2018/07/09 12:30	7.14	183.40	0.84
2018/07/09 12:45	6.82	173.51	0.84
2018/07/09 13:00	6.82	173.51	0.84
2018/07/09 13:15	6.82	173.66	0.84
2018/07/09 13:30	6.77	172.06	0.84

2018.06 Adohr MH L15-100



	Velocity (fps)	Level (in)	Flow (gpm)	RainFall		
Average	0.794	6.395	154.895	Inches		
Maximum	0.960	7.750	227.250			
Minimum	0.500	4.850	67.130			
						7/10/2018 2:08:19 PM

2018.06 Adohr MH L15-100

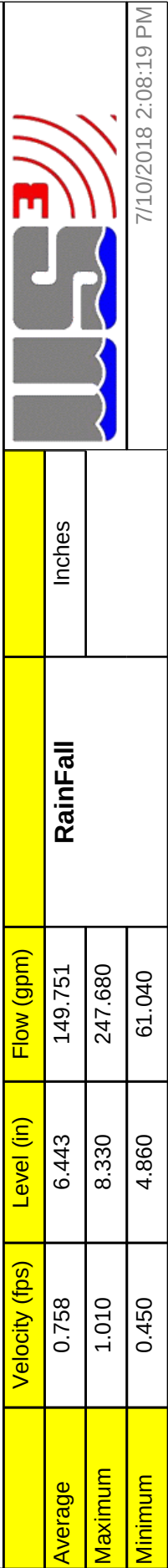


	Velocity (fps)	Level (in)	Flow (gpm)		
Average	0.785	6.411	153.761	RainFall	Inches
Maximum	1.050	8.240	262.720		
Minimum	0.490	4.870	66.050		
					
					7/10/2018 2:08:19 PM

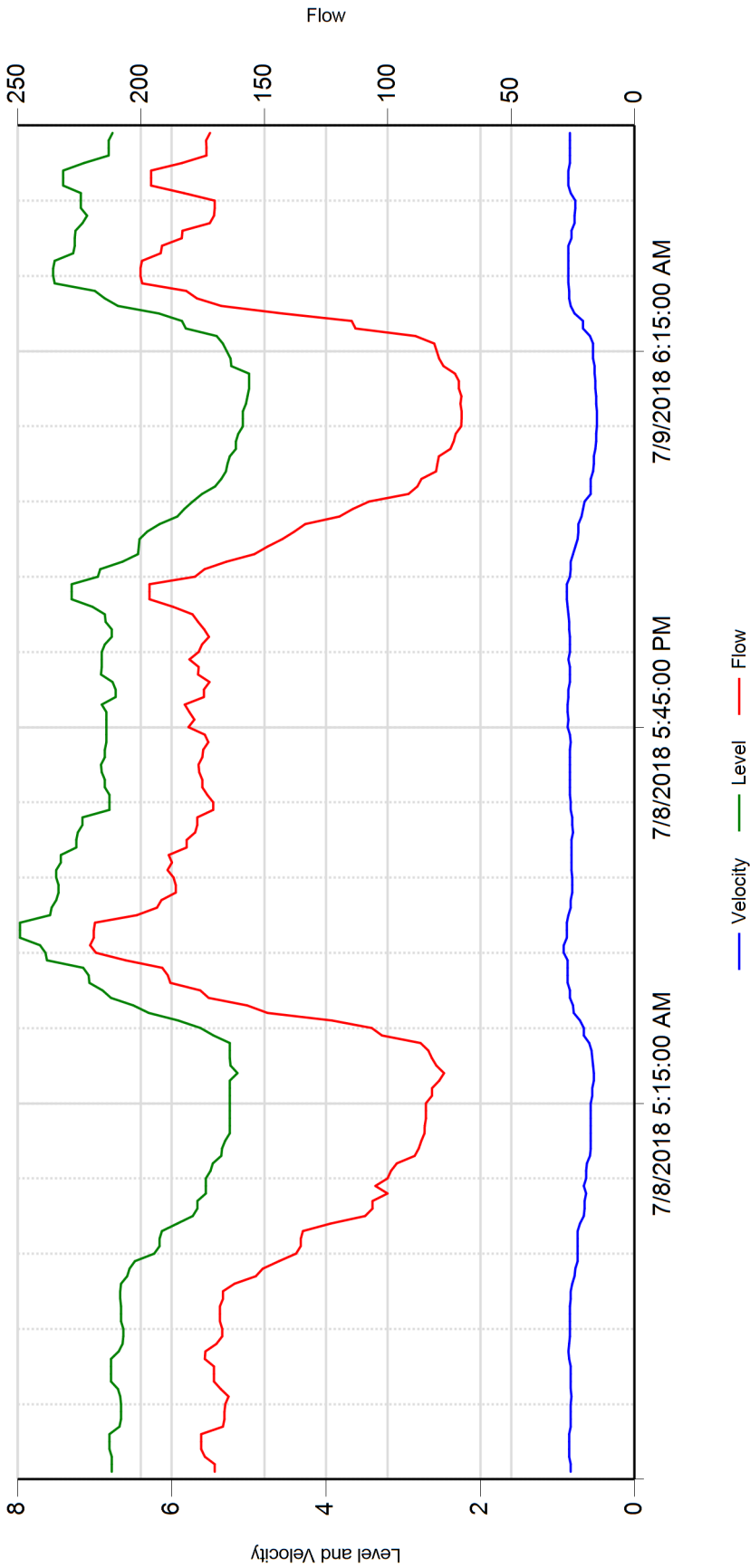
2018.06 Adohr MH L15-100

The graph displays three data series over time from July 2, 2018, to July 6, 2018, at 10:45:00 PM. The left y-axis represents 'Level and Velocity' (0 to 10), and the right y-axis represents 'Flow' (0 to 250). The x-axis shows dates and times at 2-day intervals.

- Velocity (Blue line):** Remains relatively stable, fluctuating between approximately 1 and 2 units on the left y-axis.
- Level (Green line):** Shows significant fluctuations, peaking around 8.5 units on the left y-axis on 7/2/2018 and 7/4/2018, and dropping to around 6.5 units on 7/6/2018.
- Flow (Red line):** Shows significant fluctuations, peaking around 220 units on the right y-axis on 7/2/2018 and 7/4/2018, and dropping to around 180 units on 7/6/2018.



2018.06 Adohr MH L15-100

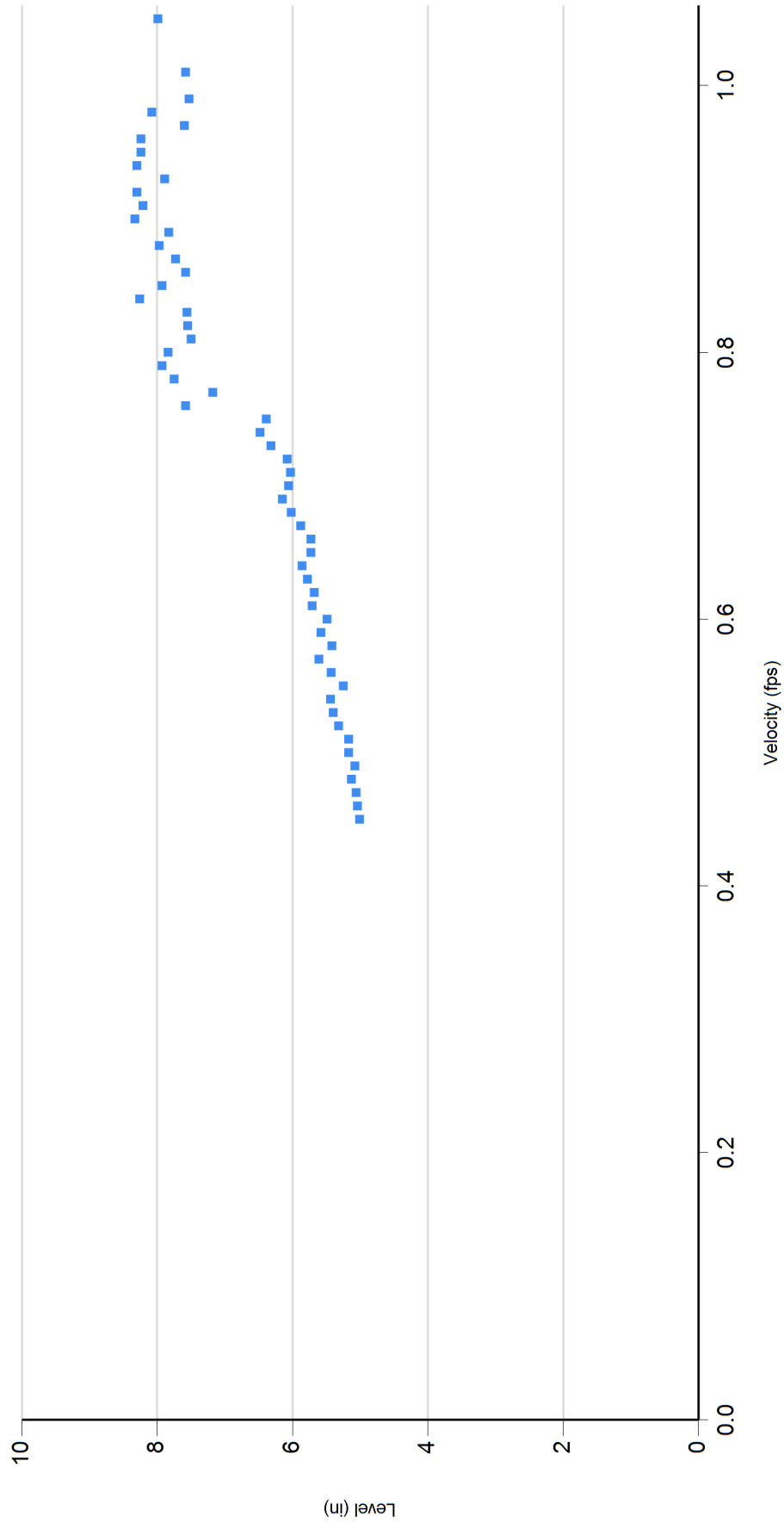


		RainFall			
	Velocity (fps)	Level (in)	Flow (gpm)	Inches	
Average	0.754	6.464	149.274		
Maximum	0.920	7.970	220.650		
Minimum	0.490	5.000	70.150		
					
				7/10/2018 2:08:19 PM	



7/10/2018 2:08:19 PM

2018.06 Adohr MH L15-100



6/21/2018 thru 7/09/2018



7/10/2018 2:08:19 PM



Statistics for 2018.06 Adohr MH L15-100: 06/21/2018 thru 07/09/2018

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Total Gal	Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min		
6/21/18	172.01	200.53	142.53	0.25	0.29	0.21	0.85	0.91	0.77	6.69	7.21	6.22	247,691	
6/22/18	151.16	206.26	67.13	0.22	0.30	0.10	0.78	0.92	0.50	6.33	7.47	4.85	217,665	
6/23/18	154.84	227.25	69.30	0.22	0.33	0.10	0.79	0.96	0.51	6.37	7.75	4.90	222,964	
6/24/18	157.87	262.72	66.05	0.23	0.38	0.10	0.79	1.05	0.49	6.46	7.99	4.87	227,336	
Week:	158.97	262.72	66.05	0.23	0.38	0.10	0.80	1.05	0.49	6.46	7.99	4.85	915,656	
6/25/18	158.24	230.76	73.68	0.23	0.33	0.11	0.80	0.99	0.52	6.45	7.56	5.05	227,872	
6/26/18	151.36	208.28	79.47	0.22	0.30	0.11	0.78	0.92	0.56	6.35	7.37	5.06	217,963	
6/27/18	149.06	209.16	74.67	0.21	0.30	0.11	0.77	0.90	0.53	6.36	7.62	5.03	214,651	
6/28/18	150.82	213.28	66.99	0.22	0.31	0.10	0.77	0.91	0.49	6.40	7.57	4.92	217,183	
6/29/18	150.70	207.37	79.31	0.22	0.30	0.11	0.78	0.89	0.55	6.40	7.57	5.12	217,009	
6/30/18	158.05	248.23	72.04	0.23	0.36	0.10	0.79	1.01	0.52	6.47	8.24	4.97	227,599	
7/1/18	160.56	247.68	73.49	0.23	0.36	0.11	0.79	0.98	0.53	6.54	8.30	4.95	231,201	
Week:	154.11	248.23	66.99	0.22	0.36	0.10	0.78	1.01	0.49	6.42	8.30	4.92	1,553,478	
7/2/18	153.20	203.57	84.97	0.22	0.29	0.12	0.77	0.89	0.56	6.51	7.55	5.31	220,614	
7/3/18	142.79	204.50	64.60	0.21	0.29	0.09	0.74	0.89	0.46	6.36	7.46	5.01	205,614	

Date	Flow (GPM)			Flow (MGD)			Velocity (FPS)			Level (inches)			Rain
	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Total Gal
7/4/18	149.18	236.15	64.02	0.21	0.34	0.09	0.74	1.01	0.46	6.49	8.33	4.98	214,815
7/5/18	146.90	204.92	71.99	0.21	0.30	0.10	0.75	0.89	0.50	6.42	7.47	5.10	211,540
7/6/18	143.01	194.25	61.04	0.21	0.28	0.09	0.74	0.87	0.45	6.31	7.30	4.86	205,932
7/7/18	151.02	211.29	69.15	0.22	0.30	0.10	0.76	0.89	0.49	6.47	7.93	5.03	217,470
7/8/18	153.97	220.65	77.25	0.22	0.32	0.11	0.77	0.92	0.53	6.55	7.97	5.15	221,720
Week:	148.58	236.15	61.04	0.21	0.34	0.09	0.75	1.01	0.45	6.44	8.33	4.86	1,497,705
7/9/18	131.50	200.24	70.15	0.19	0.29	0.10	0.69	0.86	0.49	6.20	7.54	5.00	189,358
Week:	131.50	200.24	70.15	0.19	0.29	0.10	0.69	0.86	0.49	6.20	7.54	5.00	189,358
Totals:	151.91	262.72	61.04	0.22	0.38	0.09	0.77	1.05	0.45	6.43	8.33	4.85	4,156,198

APPENDIX C

Channel Report

Project filename: 2019-11-12 Sewer Flows.stx

Studio Express by Hydrology Studio v 1.0.0.6

11-12-2019

Ex. 12" VCP Pipe

Channel 1

CIRCULAR PIPE

Diameter = 12.0 in
Invert Elevation = 95.71 ft
Pipe Slope = 0.044 %
Manning's n = 0.013

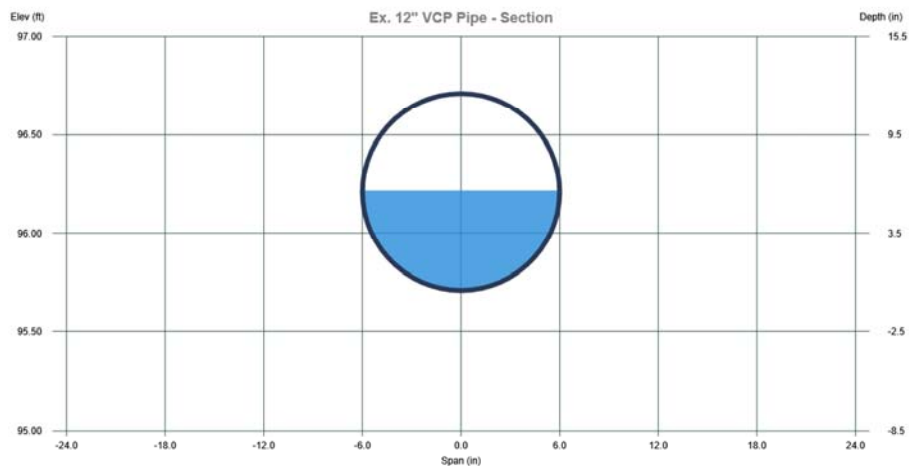
DISCHARGE

Method = Known Depth
known Depth = 0.50 ft
(Depth of flow for a 12" pipe per 2015 Camarillo Sanitary District standards)

CALCULATION SAMPLE

Flow	Depth	Area	Velocity	WP	n-value	Crit Depth	HGL	EGL	Max Shear	Top Width
(cfs)	(in)	(sqft)	(ft/s)	(ft)		(in)	(ft)	(ft)	(lb/sqft)	(ft)
0.37	6.0	0.39	0.95	1.57	0.013	3.1	96.2	96.22	0.01	1.00

166+/- gpm



Channel Report

Project filename: 2019-11-12 Sewer Flows.stx

Studio Express by Hydrology Studio v 1.0.0.6

11-12-2019

Ex. 12" VCP Pipe

Channel 3

CIRCULAR PIPE

Diameter = 12.0 in
Invert Elevation = 95.71 ft
Pipe Slope = 0.044 %
Manning's n = 0.013

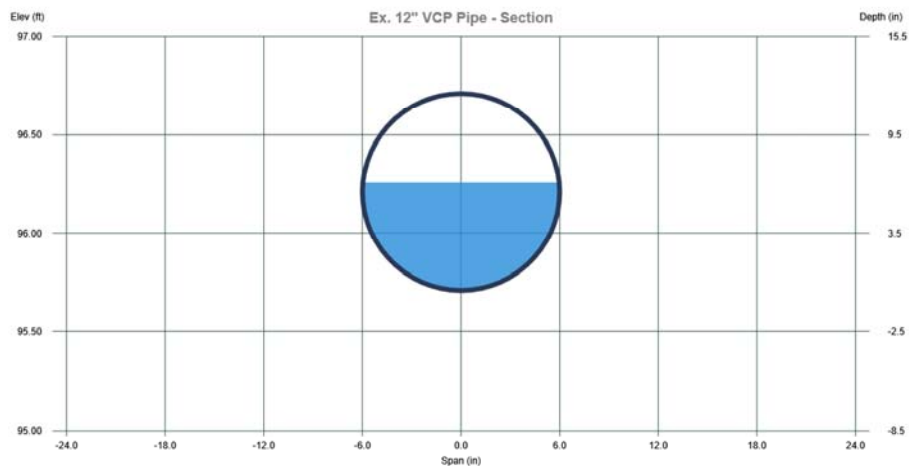
DISCHARGE

Method = Known Depth
known Depth = 0.54 ft
(Avg. Depth currently 6.5")

CALCULATION SAMPLE

Flow	Depth	Area	Velocity	WP	n-value	Crit Depth	HGL	EGL	Max Shear	Top Width
(cfs)	(in)	(sqft)	(ft/s)	(ft)		(in)	(ft)	(ft)	(lb/sqft)	(ft)
0.43	6.5	0.43	0.98	1.65	0.013	3.2	96.3	96.27	0.01	1.00

191+/- gpm



APPENDIX D

Channel Report

Project filename: 2019-11-12 Sewer Flows.stx

Studio Express by Hydrology Studio v 1.0.0.6

11-12-2019

Ex. 12" VCP Pipe with Additional Flow

Channel 5

CIRCULAR PIPE

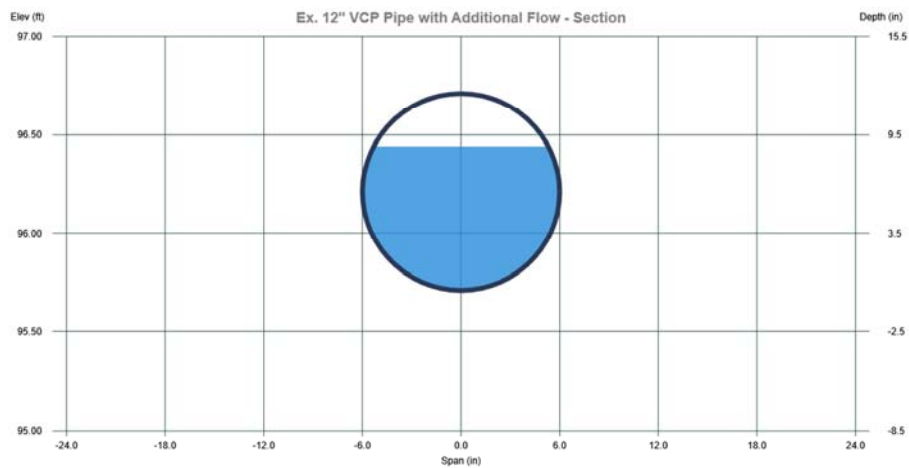
Diameter = 12.0 in
Invert Elevation = 95.71 ft
Pipe Slope = 0.044 %
Manning's n = 0.013

DISCHARGE

Method = Known Q
Known Q = 0.65 cfs

CALCULATION SAMPLE

Flow	Depth	Area	Velocity	WP	n-value	Crit Depth	HGL	EGL	Max Shear	Top Width
(cfs)	(in)	(sqft)	(ft/s)	(ft)		(in)	(ft)	(ft)	(lb/sqft)	(ft)
0.65	8.8	0.61	1.06	2.05	0.013	4.1	96.4	96.46	0.02	0.89



Channel Report

Project filename: 2019-11-12 Sewer Flows.stx

Studio Express by Hydrology Studio v 1.0.0.6

11-12-2019

New. 15" PVC Pipe with Additional Flow

Channel 5

CIRCULAR PIPE

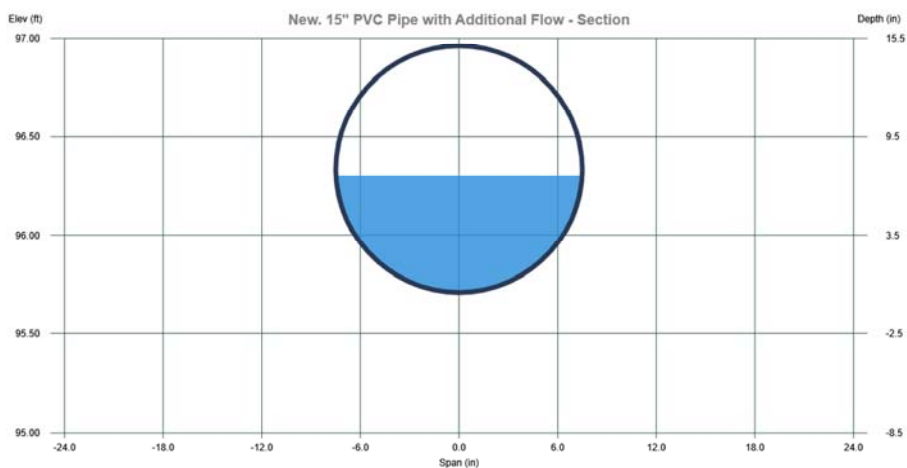
Diameter = 15.0 in
Invert Elevation = 95.71 ft
Pipe Slope = 0.044 %
Manning's n = 0.012

DISCHARGE

Method = Known Q
Known Q = 0.65 cfs

CALCULATION SAMPLE

Flow	Depth	Area	Velocity	WP	n-value	Crit Depth	HGL	EGL	Max Shear	Top Width
(cfs)	(in)	(sqft)	(ft/s)	(ft)		(in)	(ft)	(ft)	(lb/sqft)	(ft)
0.65	7.1	0.57	1.14	1.89	0.012	3.8	96.3	96.32	0.02	1.25



APPENDIX E



NOT TO SCALE

DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01	DATE
----------------------------	------

REVIEWED: _____
DIRECTOR OF PUBLIC SERVICES

REVIEWED: _____
SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: _____
CITY CAPITAL PROJECTS ENGINEER





ALLEN C. TODD, PRINCIPAL

3100 SOUTH HARBOR BLVD, SUITE 200
SANTA ANA, CALIFORNIA 92704
TEL. (714)-540-4300

CITY OF CAMARILLO DWG. NO.	SHEET NO.	DRAWING NO.	DESCRIPTION OF DRAWINGS
C-11254	1	G-1	COVER, SITE, AND LOCATION MAPS, INDEX
C-11255	2	G-2	SYMBOLS, ABBREV. & CONSTRUCTION NOTES
C-11256	3	G-3	AERIAL PHOTO
C-11257	4	P-1	PIPING PLAN AND PROFILE
C-11258	5	P-2	PIPING PLAN AND PROFILE
C-11259	6	P-3	PIPING PLAN AND PROFILE
C-11260	7	P-4	PIPING PLAN AND PROFILE
C-11261	8	S-1	STRUCTURAL NOTES
C-11262	9	S-2	SEWER DIVERSION BOX
C-11262A	9A	S-2A	SEWER DIVERSION BOX
C-11263	10	D-1	DETAILS
C-11264	11	D-2	DETAILS
C-11264A	12	D-3	DETAILS

INDEX OF DRAWINGS

COORDINATES AND BEARINGS ARE BASED UPON CALIFORNIA COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1927 (U.S. SURVEY FEET), AS SHOWN ON VENTURA COUNTY FIELD BOOK 1937-A, PAGE 143, AND VENTURA COUNTY HORIZONTAL CONTROL DATA BOOK 236-1692, PAGE 5.

PT. NO. 1 ("CON 83-7"):
N 254176.460 E 198267.260 ELEV. 151.82'
CONCRETE NAIL, NO TAG, IN TOP OF BIG BOULDER.

PT. NO. 3:
N 253765.811 E1894194.580 ELEV. 190.789'
2" BRASS DISC IN CONCRETE, FLUSH.

PT. NO. 998 ("CC-1"):
N 251812.100 E 1693931.730 ELEV. 99.03'
BRASS DISC STAMPED "CC-1 1971" SET IN CONCRETE, DOWN 0.5'.

BENCHMARK:
B.M. NO. CC-1 NAVD 1929 ELEVATION=99.03'
FOUND A VENTURA COUNTY STANDARD BRASS DISC STAMPED "CC-1 1971"
SET IN CONCRETE CORE DOWN 0.5'.
NORTH OF CONEJO CREEK AND 23± WEST OF PANCHO ROAD.

A MINIMUM OF 48 HRS PRIOR TO
THE START OF THE CONSTRUCTION

**Call
UNDERGROUND
SERVICE
ALERT
1-800-422-4133**

CITY OF CAMARILLO DRAWING NUMBER C-11254

H:\Client\Camarillo_SA0\4843A10\Dwg\Record\	G-1	11/08/00	10:35	pbocciarelli	XREFS: MAP
---	-----	----------	-------	--------------	------------

H:\Client\Camarillo_SAO\4843A10\Draw Record\ G-2A 11/06/00 10:15 pbocciarelli XREFS: X-UTIL, CAMBRD

GENERAL NOTES

1. SECTION 4212/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER TO BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID. CALL FOR DIG ALERT ID NUMBER:

UNDERGROUND SERVICE ALERT
TOLL FREE 1-800-422-4133

A MINIMUM OF TWO WORKING DAYS BEFORE DIGGING PRIOR TO THE START OF CONSTRUCTION. FOR BEST RESPONSE, PROVIDE AS MUCH NOTICE AS POSSIBLE, UP TO TEN (10) WORKING DAYS.

2. CONTRACTOR SHALL POTHOLE ALL CROSSING AND CONNECTING UTILITIES BEFORE STARTING CONSTRUCTION AND PROVIDE ELEVATIONS OF TOP OF PIPE, SIZE OF PIPE, AND INVERT OF PIPE TO ENGINEER. POTHOLE SHALL BE IMMEDIATELY FILLED, INCLUDING PAVEMENT, AS SOON AS MEASUREMENTS ARE TAKEN.

A. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES (WATER AND DRAINAGE SERVICES AND ACCESS ROADS, ETC.) DURING CONSTRUCTION AND ENSURE THEY REMAIN IN PLACE AND OPERATIONAL.

3. THE DISTRICT TO ACQUIRE ALL ENCROACHMENT PERMITS PRIOR TO CONSTRUCTION.

4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND PLANS OF THE CITY OF CAMARILLO AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, WHERE NOT COVERED BY THE FORMER, AND SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY ENGINEER.

5. WORK MUST BE PERFORMED TO THE SATISFACTION OF THE CITY ENGINEER.

6. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST ONE WORKING DAY PRIOR TO BEGINNING OF CONSTRUCTION AT 1-805-482-4677 AND CAMARILLO SANITARY DISTRICT AT (805) 388-5332.

7. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS, AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES. TEMPORARY TRAFFIC CONTROL SHALL BE APPROVED BY THE CITY OF CAMARILLO CITY ENGINEER.

8. ALL EXCAVATIONS OR TRENCHES IN PAVED AREAS SHALL REQUIRE SAWCUTTING IN A NEAT AND UNIFORM MANNER. ALL MATCH OR JOIN LINES TO EXISTING ASPHALTIC CONCRETE PAVING WITHOUT REDWOOD HEADERS SHALL BE SAW CUT.

9. ALL SEWER CROSSINGS OF PUBLIC WATER MAINS SHALL BE IN ACCORDANCE WITH STATE HEALTH SERVICE STANDARDS.

10. CONTRACTOR TO LOCATE, PROTECT, AND REPAIR AT HIS EXPENSE, ANY UTILITIES DAMAGED BY HIS FORCES.

11. THESE PLANS SHALL INCLUDE ALL AS-BUILT REVISIONS PRIOR TO THE ACCEPTANCE BY THE CAMARILLO SANITARY DISTRICT.

12. ALL STREETS, ALLEYS, VEHICULAR WAYS, SIDEWALKS, AND HAUL ROUTES SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS, DIRT AND DUST IN A MANNER ACCEPTABLE TO THE CITY OF CAMARILLO. AT A MINIMUM, THESE AREAS SHALL BE CLEANED AT THE END OF EACH WORK DAY. FAILURE TO DO SO WILL RESULT IN A "STOP WORK" NOTICE. SAID NOTICE WILL NOT BE RELEASED UNTIL THE AREA HAS BEEN ADEQUATELY CLEANED.

13. ALL VALVE AND MANHOLE COVERS TO BE ADJUSTED TO GRADE, PER DISTRICT STANDARDS (AS REQUIRED).

14. THE CONTRACTOR SHALL HAVE COPIES OF APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE JOB SITE AT ALL TIMES, AND CONTRACTOR SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.

15. CONTRACTOR TO OBTAIN A PERMIT FROM DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (CAL-OSHA) WHEN TRENCH EXCAVATIONS EXCEED 5'-0". CONTACT CAL-OSHA AT 1-818-901-5403 FOR FURTHER INFORMATION (HEALTH AND SAFETY CODE 17922.5).

16. ALL COMPACTION TEST RESULTS WITHIN RIGHT-OF-WAY AND EASEMENTS SHALL BE SUBMITTED DIRECTLY TO THE CITY OF CAMARILLO PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION BY THE APPROVED TESTING COMPANY AT TIME OF FIRST AVAILABILITY OF RESULTS.

17. SEWER MANHOLES SHALL BE 48" DIA. AND CONSTRUCTED PER THE CAMARILLO SANITARY DISTRICT STANDARD PLATE 6. THE INTERIOR OF MANHOLES SHALL BE LINED WITH PVC LINER.

18. WORK SHALL COMPLY WITH 1999 CAMARILLO SANITATION STANDARD SPECIFICATIONS.

REFERENCE DRAWING NUMBERS

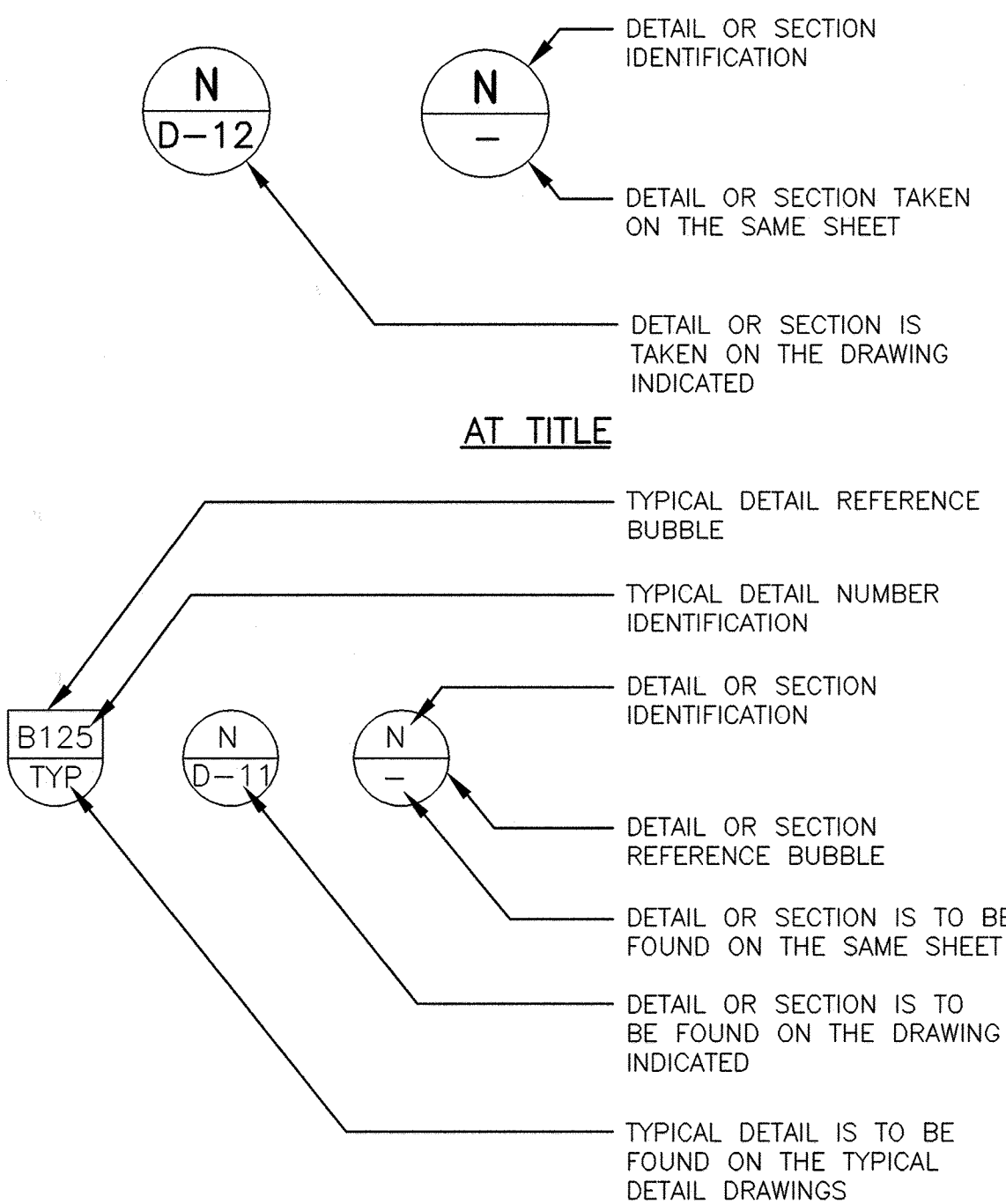
243/01 - 243/08			

ABBREVIATIONS

AC	ASPHALT CONCRETE PAVEMENT
ACP	ASBESTOS CEMENT PIPE
BC	BEGINNING OF CURVATURE
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
CI	CAST IRON
CL OR C L	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CMLC	CEMENT MORTAR LINED & COATED
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCT
D	DIAMETER OF PIPE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DP	DIVERSION PIPELINE
DWG	DRAWING
E	EAST
EA	EACH
EC	END OF CURVATURE
EL	ELEVATION
ESMT	EASEMENT
EW	EACH WAY
EXIST	EXISTING
FC	FLEXIBLE COUPLING
FH	FIRE HYDRANT
FT	FOOT
HORIZ	HORIZONTAL
HPP	HIGH PRESSURE PIPELINE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN OR "	INCH
INV	INVERT
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MH	MANHOLE
N	NORTH
N/A	NOT APPLICABLE
NO OR #	NUMBER
NT'D	NOTED
NTS	NOT TO SCALE
PERM	PERMANENT
OD	OUTSIDE DIAMETER
OH	OVERHEAD
PL OR P L	PROPERTY LINE
PT	POINT
PVC	POLYVINYL CHLORIDE
PVCWD	PLEASANT VALLEY COUNTY WATER DISTRICT
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCEMENT, REINFORCING
REQD	REQUIRED
REV	REVISION
RT	RIGHT
R/W	RIGHT OF WAY
VCFCDD	VENTURA COUNTY FLOOD CONTROL DISTRICT
S	SOUTH, SLOPE
SF	SQUARE FEET
SL	SURVEY LINE
STA	STATION
STD	STANDARD
TEMP	TEMPORARY
TBM	TEMPORARY BENCH MARK
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UG	UNDERGROUND
VERT	VERTICAL
W	WEST

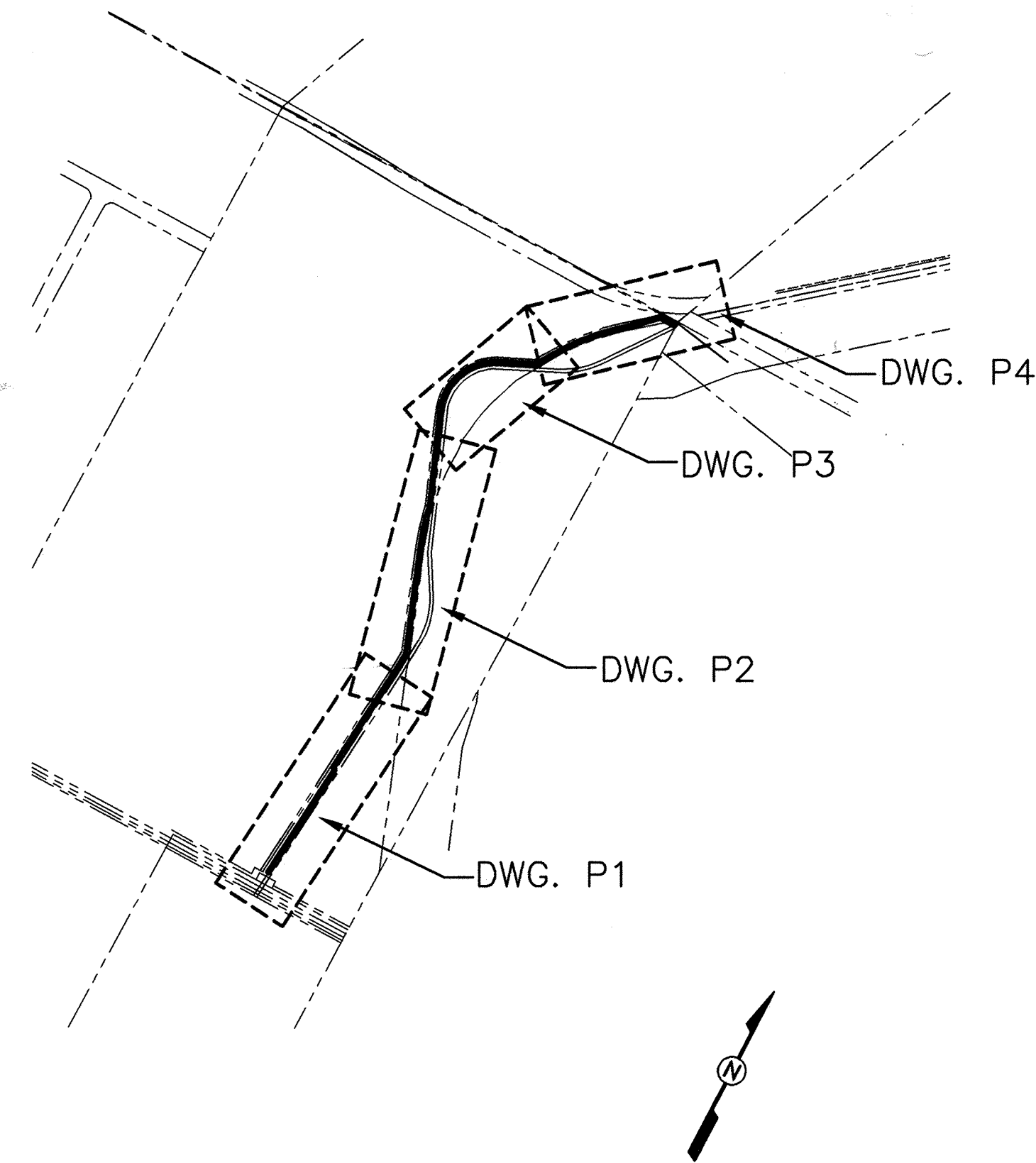
SYMBOL LEGEND

EXISTING SEWER	----- S -----
NEW SEWER	----- 12" VCP SEWER -----
ABANDONED SEWER	----- S -----
EXISTING GAS	----- G -----
EXISTING UNDERGROUND GTE DUCT	----- T -----
EXISTING UNDERGROUND ELECTRICAL	----- E(UG) ----- E(UG) -----
EXISTING OVERHEAD ELECTRICAL	----- E(OH) ----- E(OH) -----
EXISTING WATER MAIN	----- W -----
EXISTING WATER GATE VALVE	----- X -----
EXISTING STORM DRAIN	----- 15" SD -----
EASEMENT	-----
EXISTING CONTOURS	----- 308 -----
EXISTING SPOT ELEVATIONS	308.2
FENCE	----- X ----- X -----
LIGHT POLE	LP
EXISTING MANHOLE	○
FIRE HYDRANT	FH
PROPERTY LINE	----- PL -----
RIGHT OF WAY	----- R/W -----

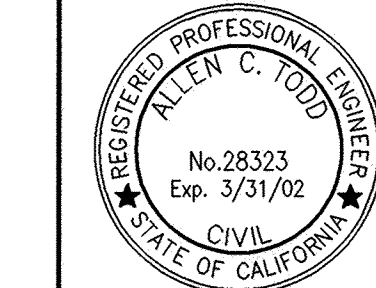


AT TITLE

AT CROSS REFERENCE



A DRAWING INDEX MAP



VERIFY SCALES

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RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS

DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: DIRECTOR OF PUBLIC SERVICES

REVIEWED: SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS				SCALE	
NO.	DATE	INITIAL	DESCRIPTION	APP'D.	AS NOTED
			DESIGNED RJE		
			DRAWN MAC		
			CHECKED DRJ		
			DATE		
			AUG. 1999		

SCALE	
AS NOTED	
DESIGNED RJE	
DRAWN MAC	
CHECKED DRJ	
DATE	
AUG. 1999	

CITY OF CAMARILLO

CAMARILLO SANITARY DISTRICT

CONEJO CREEK 12" VCP SEWER LINE
SYMBOLS, ABBREV., CONSTRUCTION NOTES
AND DRAWING INDEX MAP

APPROVED

CITY OF CAMARILLO

DRAWING NUMBER

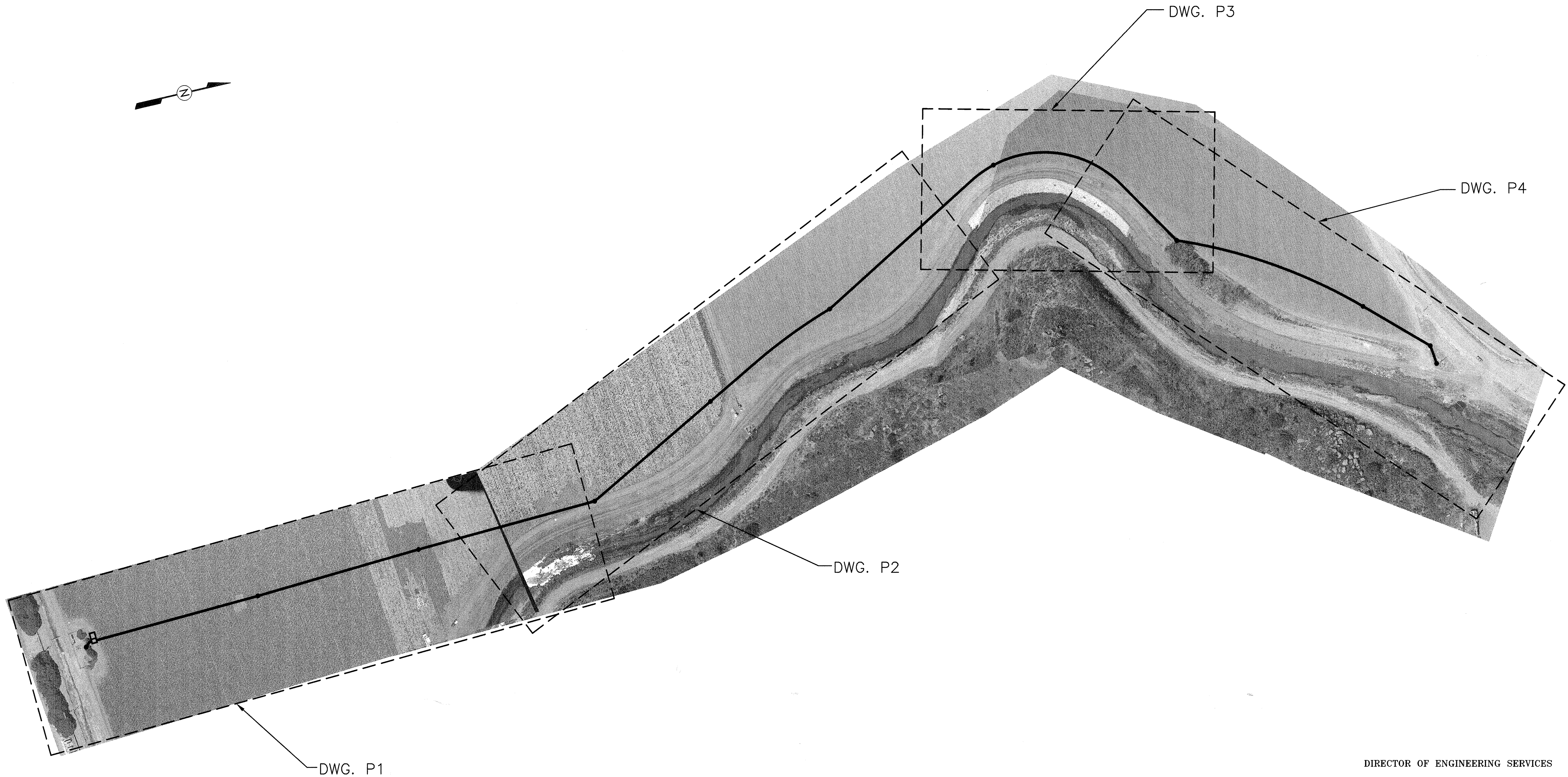
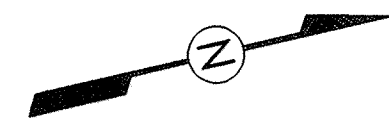
C-11255

DRAWING NUMBER

G-2

SHT. 2 OF 12

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RECORD DRAWING
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INFORMATION PROVIDED BY OTHERS

DIRECTOR OF ENGINEERING SERVICES
RCE 22261 EX. DATE 9-30-01 DATE
REVIEWED: DIRECTOR OF PUBLIC SERVICES
REVIEWED: SANITARY DISTRICT SUPERINTENDANT
RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS				
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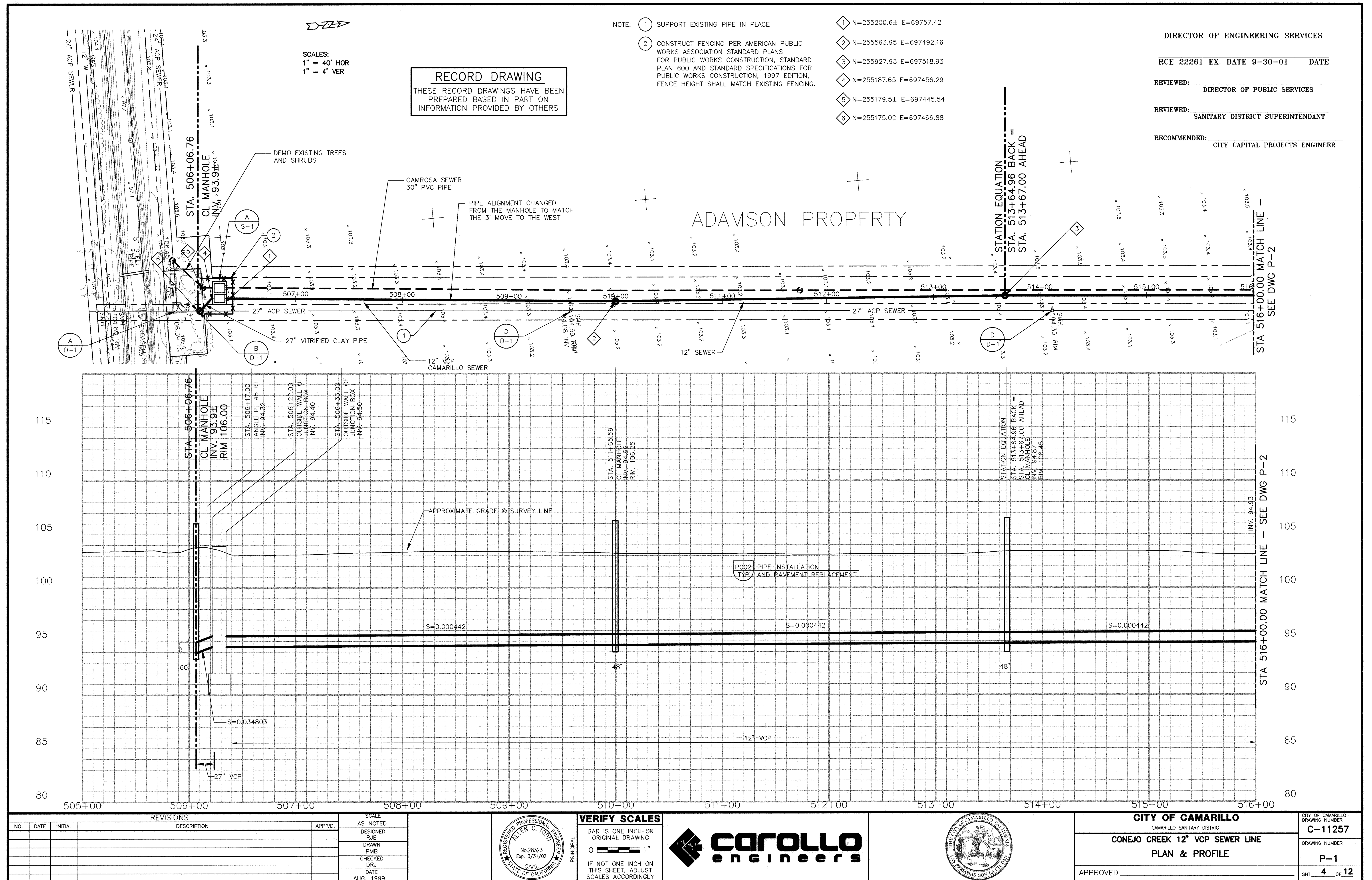
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DESIGNED RJE
DRAWN GAT
CHECKED DRJ
DATE AUG. 1999



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THIS SHEET, ADJUST
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CITY OF CAMARILLO CAMARILLO SANITARY DISTRICT		CITY OF CAMARILLO DRAWING NUMBER C-11256
CONEJO CREEK 12" VCP SEWER LINE AERIAL PHOTO		DRAWING NUMBER G-3
APPROVED _____		SHT. 3 OF 12



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SCALES:
1" = 40' HOR
1" = 4' VER

- ① N=256325.79 E=697553.68
② N=256638.49 E=697437.36
③ N=256763.09 E=697391.01
④ N=256952.52 E=697338.51

△ = 9' 49' 38"
R= 1147.50'
L= 196.82'

NOTE: ① SUPPORT EXISTING PIPE IN PLACE

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN
PREPARED BASED IN PART ON
INFORMATION PROVIDED BY OTHERS

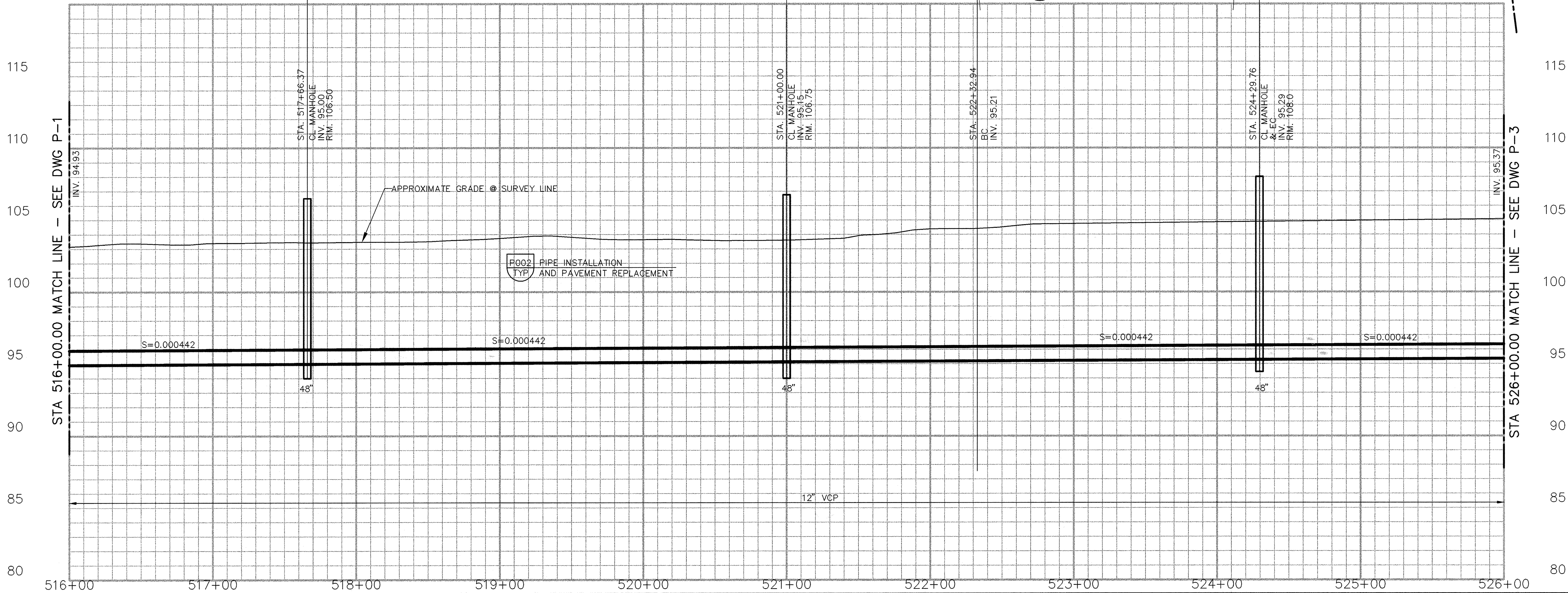
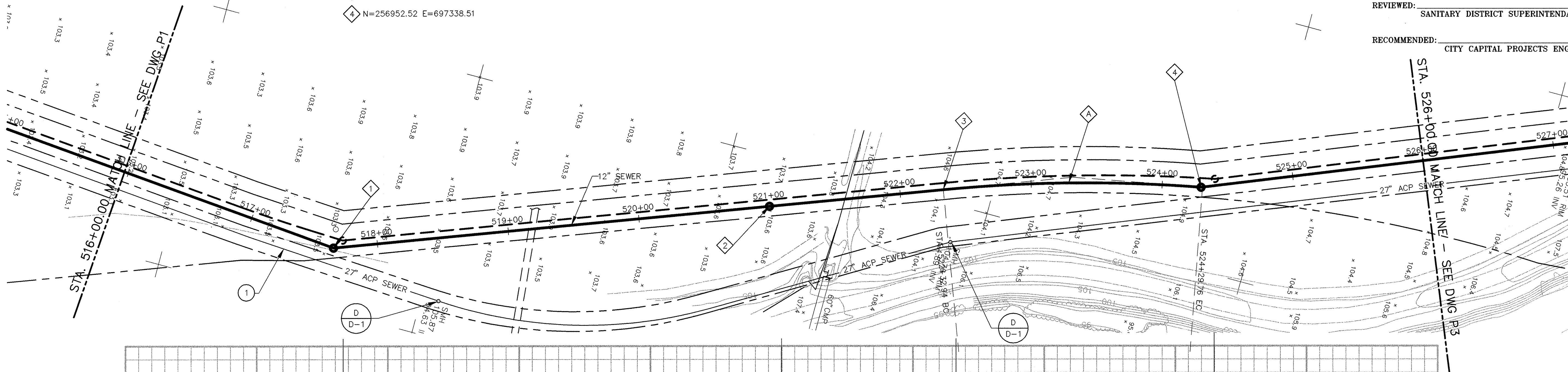
DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: DIRECTOR OF PUBLIC SERVICES

REVIEWED: SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

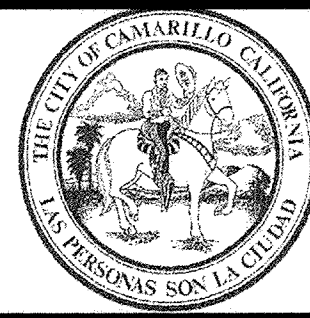


REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APP'VD.

SCALE
AS NOTED
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CHECKED
DRJ
DATE
AUG. 1999



VERIFY SCALES
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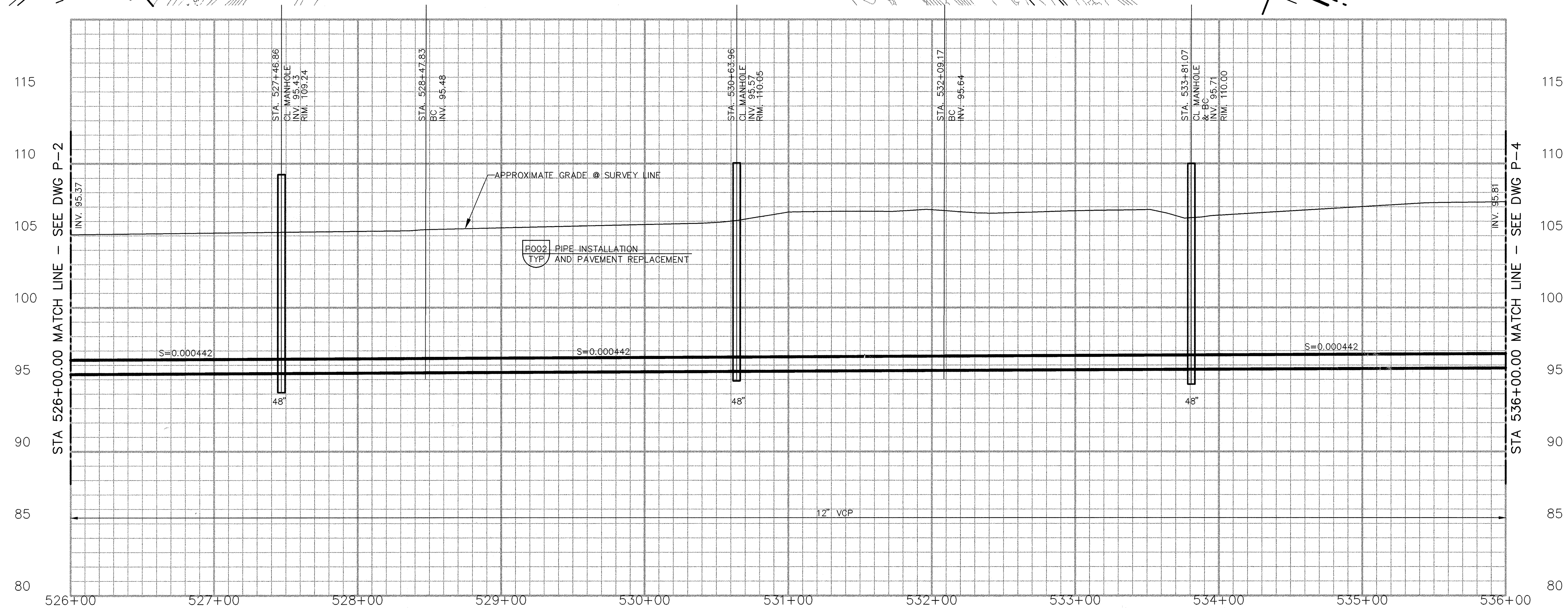
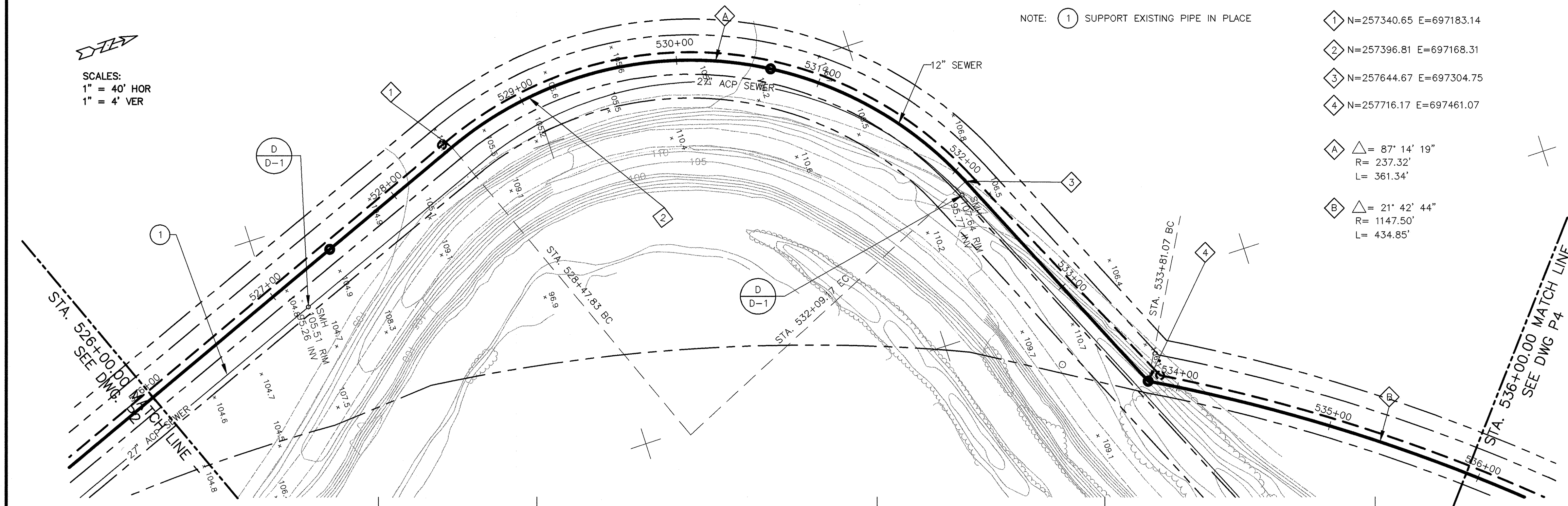


CITY OF CAMARILLO
CAMARILLO SANITARY DISTRICT
CONEJO CREEK 12" VCP SEWER LINE
PLAN & PROFILE
APPROVED

CITY OF CAMARILLO
DRAWING NUMBER
C-11258
DRAWING NUMBER
P-2
SHT. 5 OF 12

THESE RECORD DRAWINGS HAVE BEEN
PREPARED BASED IN PART ON
INFORMATION PROVIDED BY OTHERS

 $\triangle = 21^\circ 42' 44''$
 $R = 1147.50'$
 $L = 434.85'$

[illegible]

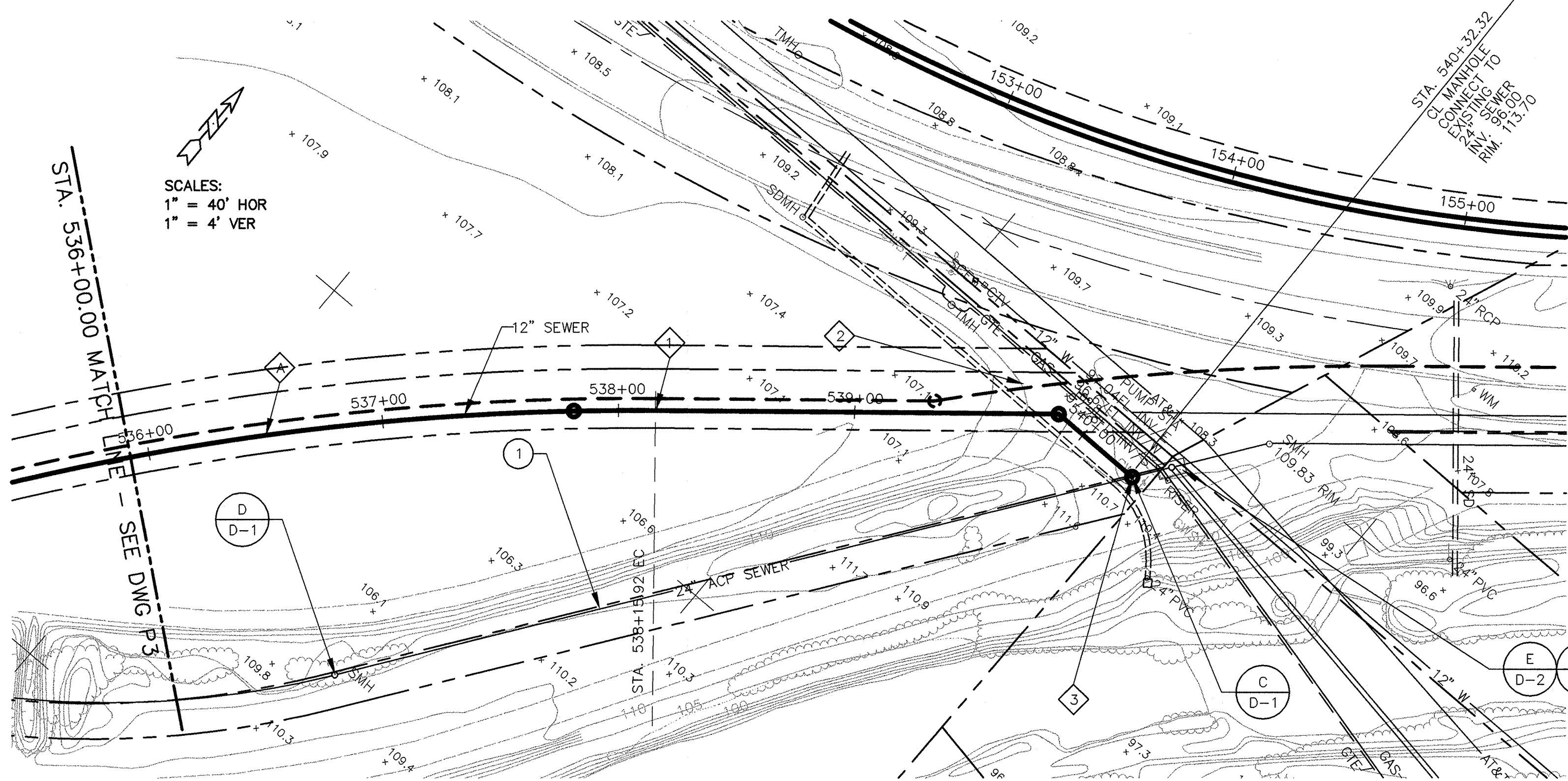
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APPROVED

SHT. **6** OF **12**

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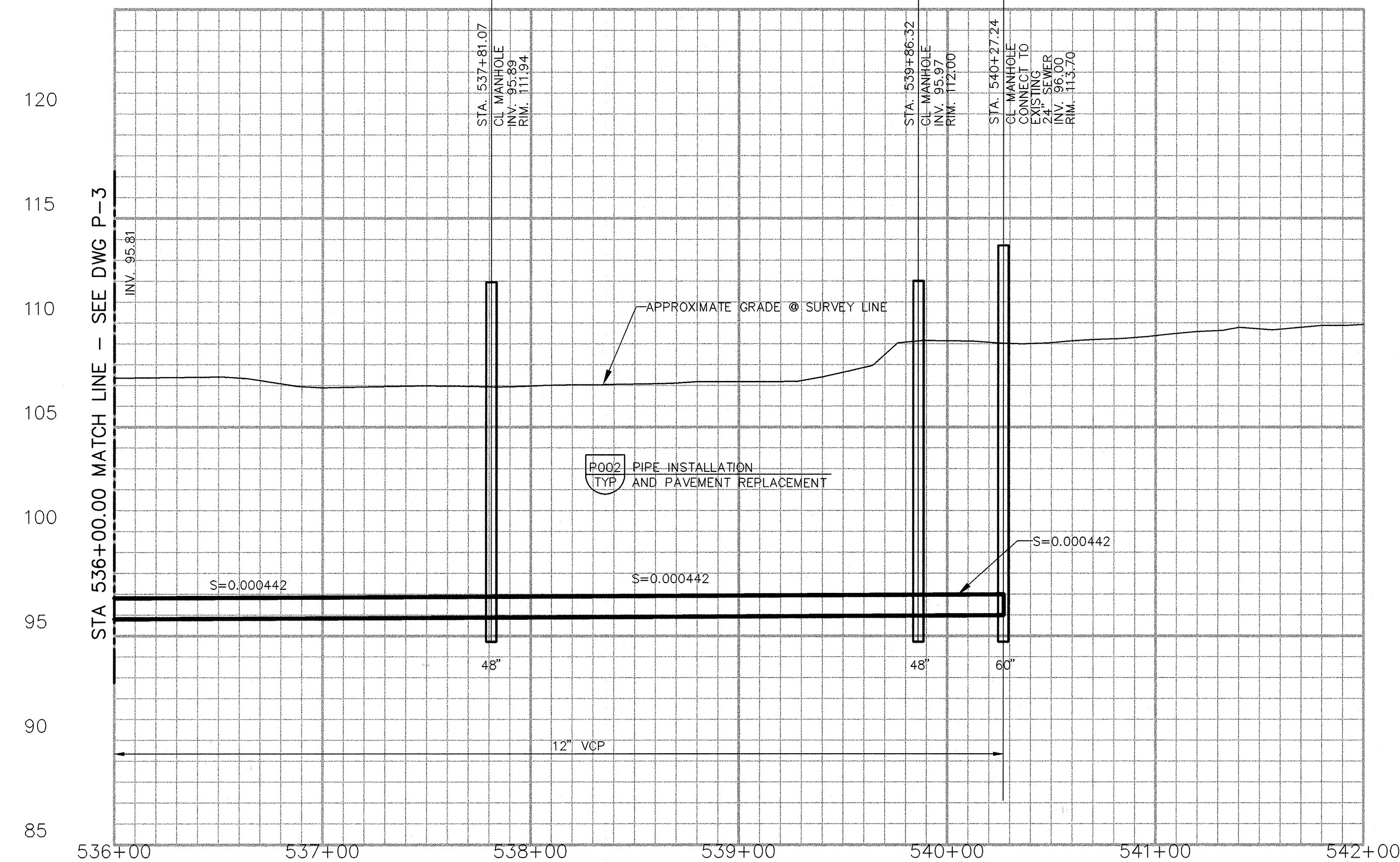


SCALES:
1" = 40' HOR
1" = 4' VER

△ = 21' 42' 44"
R = 1147.50'
L = 434.85'

- 1 N=258048.89 E=697736.99
2 N=258157.40 E=697848.95
3 N=258156.86 E=697909.43

NOTE: 1 SUPPORT EXISTING PIPE IN PLACE



RECORD DRAWING

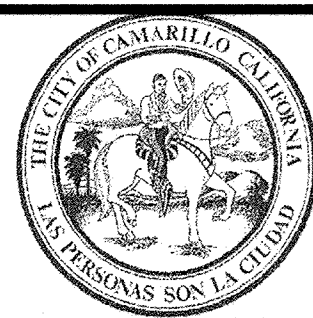
THESE RECORD DRAWINGS HAVE BEEN
PREPARED BASED IN PART ON
INFORMATION PROVIDED BY OTHERS

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SCALE
AS NOTED
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DRJ
DATE
AUG. 1999



VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING
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IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY



CITY OF CAMARILLO CAMARILLO SANITARY DISTRICT		CITY OF CAMARILLO DRAWING NUMBER
CONEJO CREEK 12" VCP SEWER LINE		C-11260
PLAN & PROFILE		DRAWING NUMBER
APPROVED _____		P-4
		SHT. 7 OF 12

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GENERAL :

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

2. UNLESS DETAILED, SPECIFIED, OR INDICATED OTHERWISE, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS ARE MEANT TO APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.

3. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

4. VERIFY LOCATION & SIZE OF OPENINGS AT ROOF, FLOORS, AND WALLS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS AND AS REQUIRED FOR EQUIPMENT FURNISHED.
FOR ADDITIONAL OPENINGS AT ROOF, FLOORS AND WALLS SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
SEE SPECS AND MFR'S DATA FOR THIMBLES AND OTHER EMBEDDED ITEMS AROUND SLUICE GATE AND SLIDE GATE OPENINGS.

5. CODES:
UNIFORM BUILDING CODE UBC-97
REINFORCED CONCRETE: AMERICAN CONCRETE INSTITUTE ACI 318-99
ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES ACI 350-89

6. LOADING CRITERIA:
MINIMUM LOADING REQUIREMENTS PER CHAPTER 16 OF THE UNIFORM BUILDING CODE.

DEAD LOAD CALCULATED

LIVE LOADS SEE PLANS

LATERAL EARTH PRESSURE AND ALLOWABLE BEARING PRESSURE PER SOILS REPORT.

LATERAL SURCHARGE EQUIVALENT TO 2 FT OF SOIL

HYDROSTATIC FLUID PRESSURE 63 PSF/FT

WIND LOAD:
BASIC WIND SPEED 80 MPH
EXPOSURE C
IMPORTANCE FACTOR 1.0

SEISMIC LOAD:
SEISMIC ZONE 4
SOIL PROFILE S_D* C_o = .572
C_v = 1.02

SEISMIC SOURCE TYPE B N_o = 1.3
N_v = 1.6

IMPORTANCE FACTOR 1.0

* BASED ON LIMITED DEPTH OF THE BORING NEAR THE BOY
7. CONSTRUCTION LOADS:
STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON COMPLETED STRUCTURES. DURING CONSTRUCTION, STRUCTURES SHALL BE PROTECTED BY BRACING AND BALANCING WHEREVER EXCESSIVE LOADS MAY OCCUR.

8. INSERTS AND SLEEVES FOR PIPES, GATES, ETC. AND EMBEDDED ITEMS SUCH AS CONDUITS ARE SHOWN IN MECHANICAL AND ELECTRICAL DRAWINGS.

FOUNDATION :

1. FOR GEOTECHNICAL DATA REFER TO REPORT BY:

FUGRO WEST, INC.: "GEOTECHNICAL STUDY
CAMROSA WATER DISTRICT
CONEJO CREEK PROJECT
VENTURA COUNTY, CALIFORNIA
DATED MAY 1999
2. THE SUB GRADE SHALL BE PREPARED AS INDICATED IN THE SPECIFICATIONS AND APPROVED BY THE ENGINEER BEFORE COMMENCING FOUNDATION:
SUBGRADE STABILIZATION SHALL CONSIST OF PLACEMENT OF GEOTEXTILE FABRIC OR GEOGRID ON YIELDING SUBGRADE COVERED WITH AT LEAST 1 FOOT OF "PROCESSED MISCELLANEOUS BASE (PMB)" CONFORMING SECTION 200-2.5 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1997 EDITION AND SHALL CONSIST OF CRUSHED ROCK COMPACTED TO A MINIMUM OF 85 PERCENT RELATIVE COMPACTION. CRUSHED ROCK AND GEOTEXTILE SHALL BE PLACED 5 FEET BEYOND THE LIMITS OF THE STRUCTURE'S BASE IN ALL DIRECTIONS.

CONCRETE :

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1997 EDITION - SECTION 201. ADDITIONALLY, ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

2. ALL CONCRETE STRENGTH SHALL BE 4,000 PSI MINIMUM AT 28 DAYS, UNO. CONCRETE FILL SHALL BE 2,500 PSI MINIMUM AT 28 DAYS, UNO.

3. AGGREGATE SHALL NOT ORIGINATE FROM SAN FERNANDO VALLEY AREA OF SOUTHERN CALIFORNIA OR ANY OTHER SOURCE WHERE REACTIVE OR DEGENERATIVE ROCK PRODUCTS HAVE BEEN ENCOUNTERED.

4. CONSTRUCTION JOINTS SHALL BE ROUGH AND CLEAN. REMOVE LOOSE AGGREGATE AND DAMAGED CONCRETE.

5. LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER, IF NOT SHOWN ON DRAWINGS.

6. PROVIDE 3/4 INCH CHAMFERS AT ALL EXPOSED EDGES AND CORNERS.

7. ALL CONCRETE SHALL BE VIBRATED IN PLACE DURING PLACING OF CONCRETE.

8. CONCRETE SLAB SHALL BE PLACED IN A CHECKERED BOARD PATTERN.

9. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, PIPE SLEEVES, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE. CONCRETE BLOCKS SHALL BE USED TO SUPPORT REINFORCING STEEL ON GRADE.

10. A CURING COMPOUND SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES AS SOON AFTER SETTING AS POSSIBLE. CURING COMPOUND SHALL BE COMPATIBLE WITH CONCRETE ADDITIVES, SEALANTS OR SURFACE TREATMENTS USED.

11. WHEN CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE INTERFACE SHALL BE CLEAN AND FREE OF LAITANCE. THE INTERFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH PRIOR TO FRESH CONCRETE PLACEMENT IN CONFORMANCE WITH UBC SECTION 1911.7.9.

12. CONCRETE GROUT SHALL BE NON-SHRINKING, NON-METALLIC GROUT WITH SUFFICIENT WATER TO ALLOW POURING. MINIMUM f'c = 5,000 PSI.

13. PROVIDE CONTINUOUS INSPECTION FOR ALL CONCRETE WORK, PER 97 UBC REQUIREMENTS.

14. VARY THE TOP COVER OVER REINFORCING IN SLABS AND MATS TO ACHIEVE THE SLOPES THAT ARE INDICATED. IN CASE WERE COVER OVER REINFORCING EXCEEDS 3 INCHES, SLOPE TOP BARS TO MATCH SLOPES INDICATED.

15. CONTRACTOR, AT OWNER'S EXPENSE, SHALL TEST CONCRETE USING ONE SET OF 4 STANDARD CYLINDERS. TWO SHALL BE STRENGTH TESTED AT SEVEN DAYS AND TWO AT 28 DAYS. AVERAGE RESULTS FROM 28TH-DAY-TESTS SHALL BE EQUAL OR GREATER THAN 4,000 PSI AND NO ONE RESULT SHALL BE LESS THAN 3,500 PSI.
16. FOR ADDITIONAL CONCRETE NOTES SEE

S101
TYP

REINFORCING STEEL :

1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60.

2. PROVIDE SPACER BARS, SPREADERS, CHAIRS, BLOCKS, ETC., AS REQUIRED TO SECURELY HOLD STEEL IN PLACE.

3. MAINTAIN 3 INCHES MINIMUM CLEARANCE BETWEEN REINFORCING STEEL AND PIPELINES UNLESS OTHERWISE NOTED.

4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

5. NO WELDING OF REINFORCEMENT BARS SHALL BE PERMITTED UNLESS APPROVAL IS OBTAINED FROM THE ENGINEER PRIOR TO CONSTRUCTION
5. ALL REINFORCING STEEL SHALL BE LAP SPICED PER

S101
TYP

 ALL BARS SHALL BE DEVELOPED BEYOND POINT OF TERMINATION, AS SHOWN ON DRAWINGS. IF DEVELOPMENT LENGTH IS NOT SHOWN, WHETHER HOOKED OR STRAIGHT, DEVELOPMENT LENGTH SHALL BE PER ACI 318-95.

STEEL AND STAINLESS STEEL :

1. ALL MATERIAL AND WORK SHALL CONFORM TO THE AISC SPECIFICATION, LATEST EDITION, FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

2. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

3. STRUCTURAL PIPE MEMBERS SHALL CONFORM TO ASTM A53, GRADE B.

4. STRUCTURAL TUBE MEMBERS SHALL CONFORM TO ASTM A-500, GRADE B, Fy=42 KSI.

5. STRUCTURAL STAINLESS STEEL SHALL CONFORM TO ASTM A276 FOR BARS AND SHAPES, TYPE 304L OR 316L. ALL CONNECTORS ETC.

6. UNLESS DETAILED OTHERWISE, ALL CONNECTIONS SHALL BE MADE WITH 3/4 INCH DIAMETER HIGH STRENGTH BOLTS. HIGH STRENGTH BOLTS SHALL CONFORM TO A325N UNLESS NOTED OTHERWISE. LOAD INDICATOR WASHERS: ASTM A 325, TYPE 1; STEEL WASHER MANUFACTURED WITH PROTRUSIONS ON ONE FACE OF THE WASHER AND DESIGNED FOR USE WITH HIGH STRENGTH BOLTS. AS THE BOLT IS TIGHTENED, THE WASHER PROTRUSIONS SHALL PARTIALLY FLATTEN TO A SPECIFIED GAP, INDICATING THE DESIGN BOLT TENSION HAS BEEN OBTAINED.

7. EACH CONNECTION SHALL HAVE A MINIMUM OF TWO BOLTS.

8. BOLT SPACING SHALL BE 3 INCHES, UNLESS NOTED OTHERWISE.

9. MINIMUM EDGE DISTANCE (DISTANCE FROM CENTER OF BOLT TO NEAREST EDGE OF PLATE OR STRUCTURAL ELEMENT) SHALL BE 1 1/2 INCHES FOR 3/4 INCH DIAMETER BOLTS UNLESS NOTED OTHERWISE.

10. ANCHOR BOLTS SHALL BE PER ASTM A307, UNO.

11. ALL BOLTED STAINLESS STEEL CONNECTIONS SHALL CONSIST OF STAINLESS STEEL BOLTS, NUTS, AND WASHERS.

WELDING STEEL :

1. WELDING SHALL BE DONE BY ELECTRIC SHIELDED ARC PROCESS USING E-70XX ELECTRODES.

2. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.

3. ALL WELDS SHALL BE MADE IN CONFORMANCE WITH THE LATEST EDITION OF THE STRUCTURAL WELDING CODE AWS A5.1 AND AWS D1.1 OF THE AMERICAN WELDING SOCIETY.

4. ALL FILLET WELDS SHALL BE A MINIMUM 3/16 INCH, IF NOT CALLED OUT.

WELDING STAINLESS STEEL :

1. WELDING SHALL BE DONE BY USING E308L-15 ELECTRODES FOR ASTM304L AND E316L-15 ELECTRODES FOR ASTM316L.

2. SEE NOTES 4 AND 5 UNDER WELDING STEEL.

3. WELD PER AWS B2.1 OR D10.4 AS APPLICABLE.

ALUMINUM:

1. ALUMINUM CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ALUMINUM MANUAL OF THE ALUMINUM ASSOCIATION.

2. UNLESS OTHERWISE NOTED, STRUCTURAL ALUMINUM SHALL BE ALLOY 6061-T6 AS SPECIFIED IN ASTM B211 OR ASTM B221 FOR BARS, AND ASTM B308 FOR STRUCTURAL SHAPES.

3. WHERE ALUMINUM IS IN CONTACT WITH MASONRY OR CONCRETE SURFACES, CONTACT SURFACES SHALL BE COATED WITH HEAVY ALKALI-RESISTANT BITUMINOUS PAINT.

4. EACH BOLTED CONNECTION SHALL HAVE MINIMUM OF TWO BOLTS.

5. BOLT SPACING SHALL BE 3 INCHES, UNO.

6. ALL PLATFORM AND WALKWAY FRAMING SHALL BE ALUMINUM, UNO.

WELDING ALUMINUM:

1. WELDING ALUMINUM SHALL BE IN CONFORMANCE WITH AWS D1.2-90

2. WELDING SHALL BE DONE BY USING ER4043 ELECTRODES.

3. ALL WELDING SHALL BE CONTINUOUS AND SHALL BE 3/16" FILLET WELDS, UNO.

4. CONTINUOUS INSPECTION IS REQUIRED FOR WELDING OF STRUCTURAL ALUMINUM.

ADDITIONAL ABBREVIATIONS :

H1E HOOK ONE END TOS TOP OF METAL DECK
H2E HOOK TWO ENDS TOG TOP OF GRATING

SPECIAL INSPECTION :

SPECIAL INSPECTION OF THE FOLLOWING ITEMS SHALL BE IN ACCORDANCE WITH UBC 97 CHAPTER 17.

- A. CONCRETE:
- PLACING OF REINFORCING STEEL.
- PLACING OF ANCHOR BOLTS OR EMBEDDED PLATES.
- INSTALLATION OF MECHANICAL COUPLERS.
- INSTALLATION OF EXPANSION ANCHORS AND ADHESIVE ANCHORS WHERE REQUIRED BY THE RESPECTIVE ICBO EVALUATION REPORT.
- B. WELDING:
- ALL STRUCTURAL STEEL.
- HEADED STUDS FOR EMBEDDED PLATES.

DIRECTOR OF ENGINEERING SERVICES

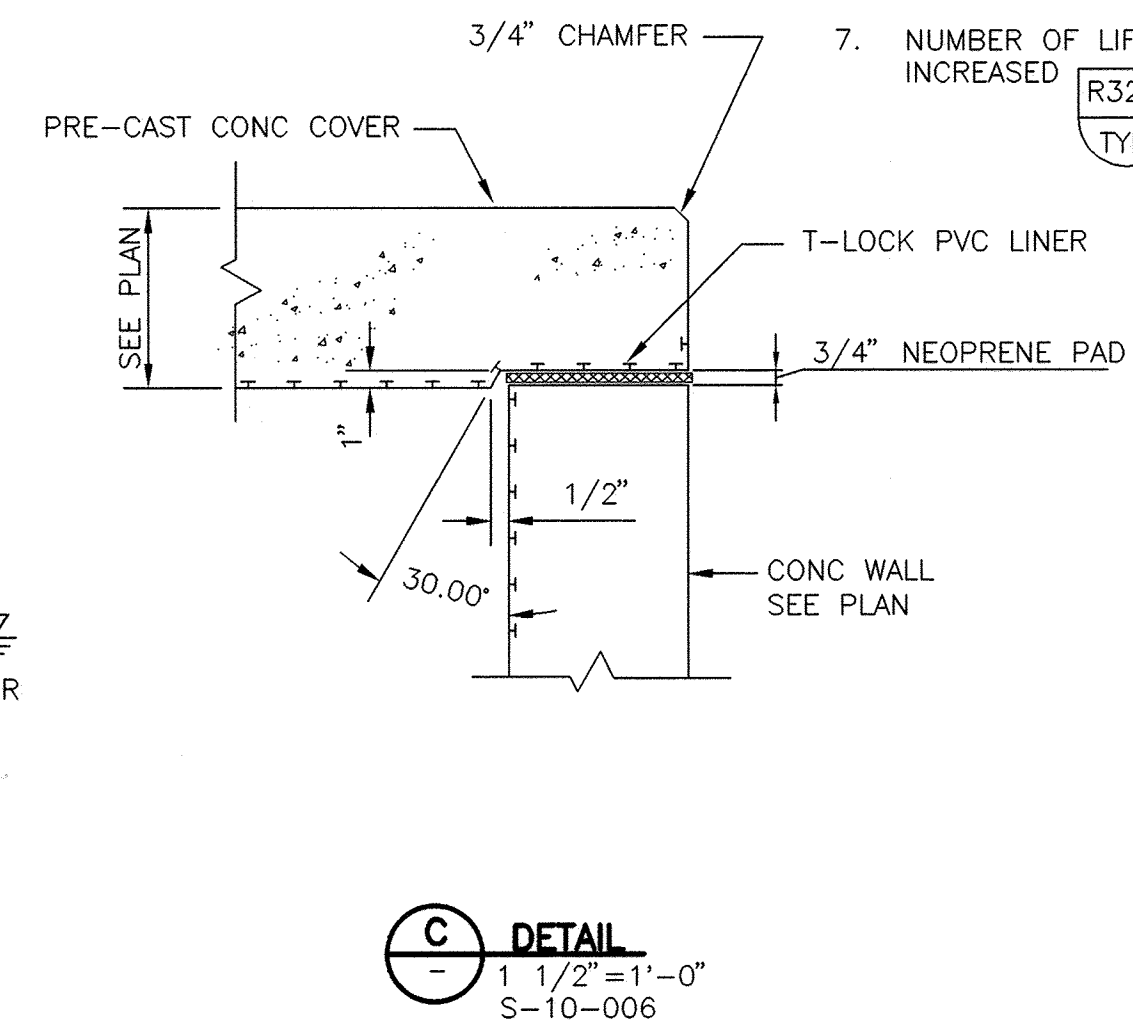
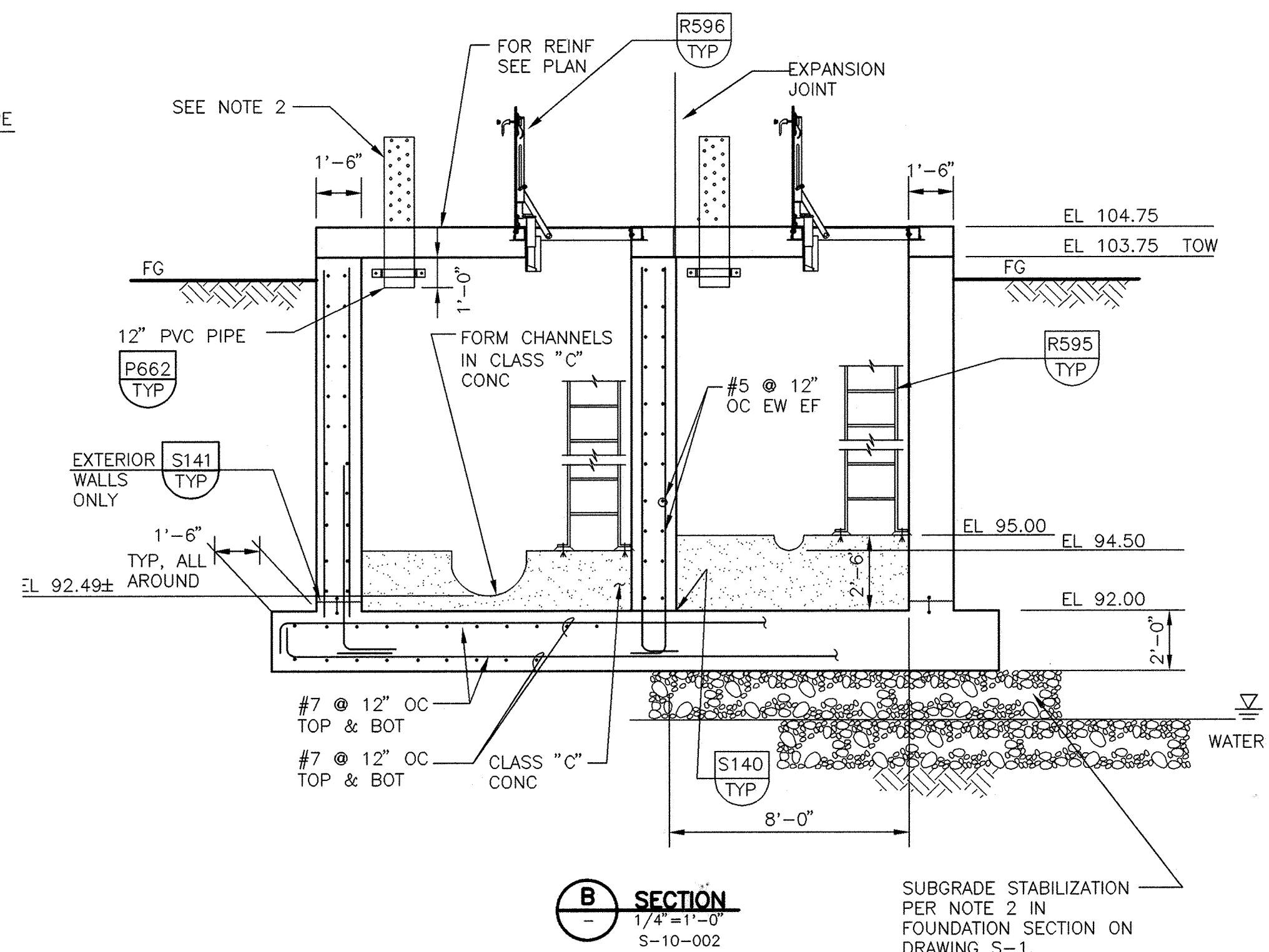
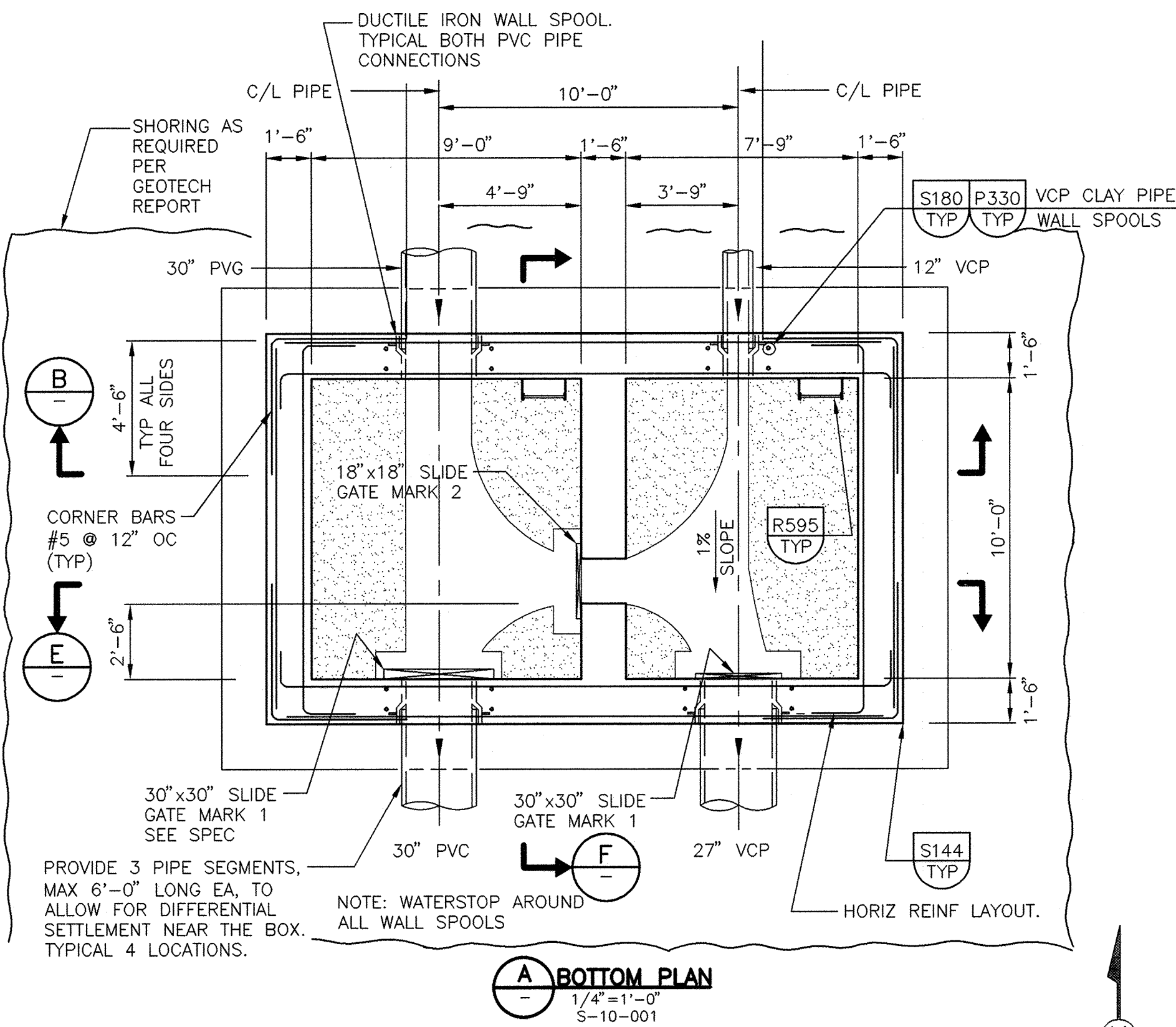
RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: DIRECTOR OF PUBLIC SERVICES

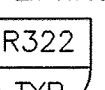
REVIEWED: SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS					SCALE			VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0  1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY				CITY OF CAMARILLO / CAMROSA WATER DISTRICT CONEJO CREEK 12" VCP SEWER LINE GENERAL STRUCTURAL NOTES		CITY OF CAMARILLO DRAWING NUMBER C-11261	
NO.	DATE	INITIAL	DESCRIPTION	APP'VD.	AS SHOWN	DRAWING NUMBER									
					DESIGNED RMS										
					DRAWN RMS										
					CHECKED HRR										
					DATE OCT. 1999										
							PRINCIPAL					APPROVED _____ GENERAL MANAGER, CAMROSA WATER DISTRICT	DATE _____	SHT. <u>8</u> OF <u>12</u>	



NOTES:

1. FOR STRUCTURAL NOTES SEE DRAWING S-1.
2. INSTALL PVC VENT STACK AS MANUFACTURED BY ARMOUR CAST COMPANY, MODEL NO. UPSRK-8.
3. TOP SLAB AND CHECKERED PLATE DESIGN LIVE LOAD: 100 PSF
4. REINFORCING BARS IN EACH DIRECTION AND EACH FACE OR MAT OF WALLS AND SLAB SHALL BE PLACED IN ENTIRE WALL AND SLAB AREAS. THESE BARS MAY BE SHOWN CUT OFF BY A " " OR " " MARK FOR CLARITY OF THE DRAWINGS AND DETAILS. REFERENCE IS MADE TO TYPICAL DETAILS FOR PLACEMENT OF ADDITIONAL BARS AT OPENINGS, ETC. WHERE WALLS HAVE SIMILAR REINFORCING STEEL LAYOUTS, ONLY ONE MAY SHOW REINFORCING SIZE, SPACING, AND LAYOUT. OTHER WALLS WILL HAVE THE SAME REINFORCING.
5. LINE INTERIOR CONCRETE SURFACE OF THE DIVERSION BOX WITH PVC LINER PER SPECIFICATIONS & PER DET 
6. REINFORCING SHOWN ON PLAN FOR THE TOP IS FOR IN-PLACE LOADING: CONTRACTOR TO DESIGN ADDITIONAL REINFORCING FOR LIFTING AND HANDLING LOADS.
7. NUMBER OF LIFTING INSERTS SHALL NOT BE REDUCED, BUT CAN BE INCREASED 

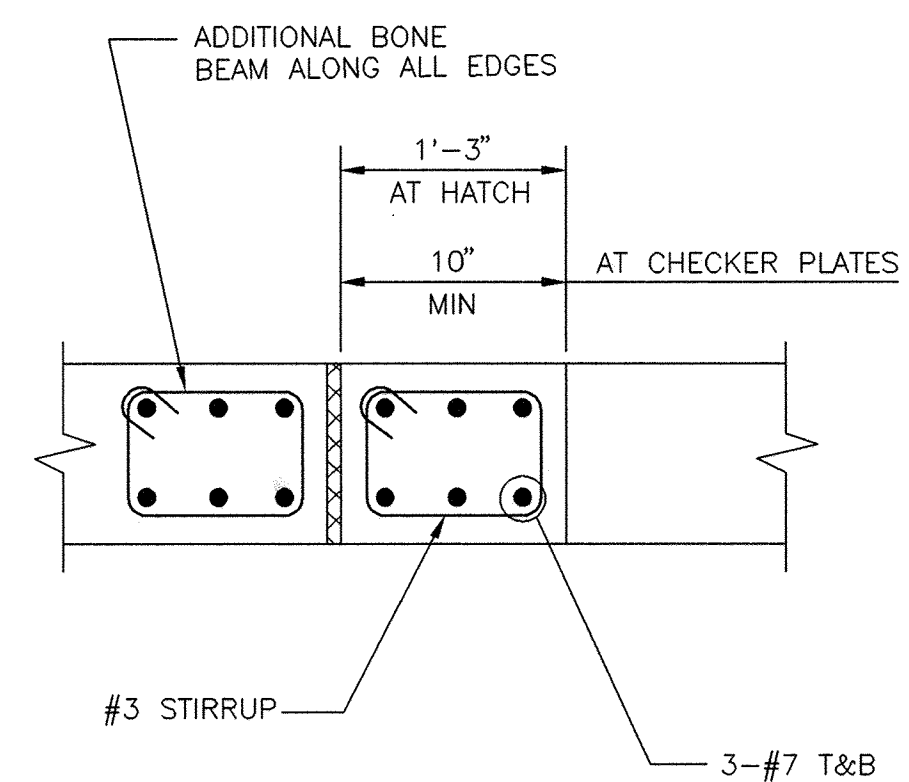
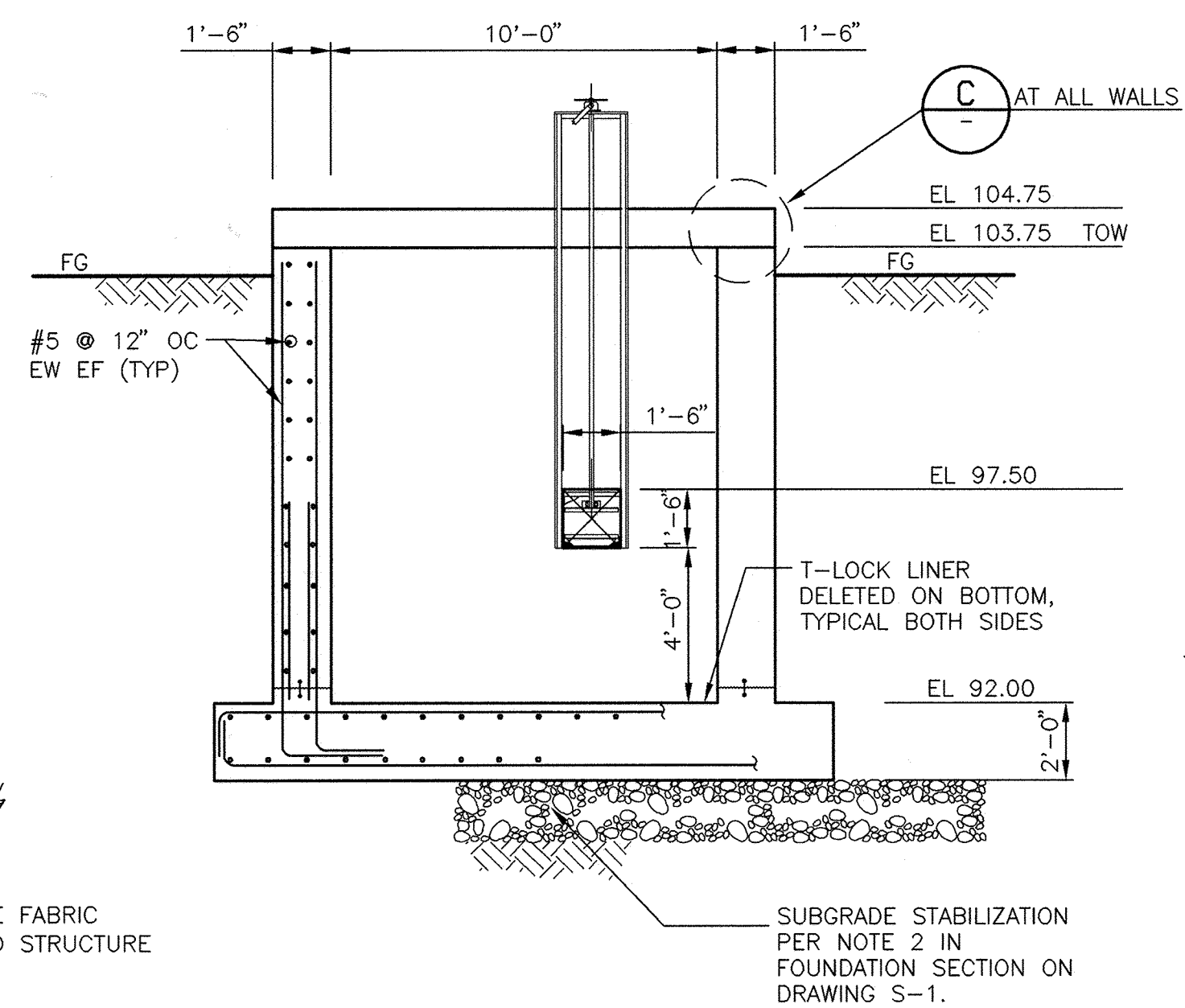
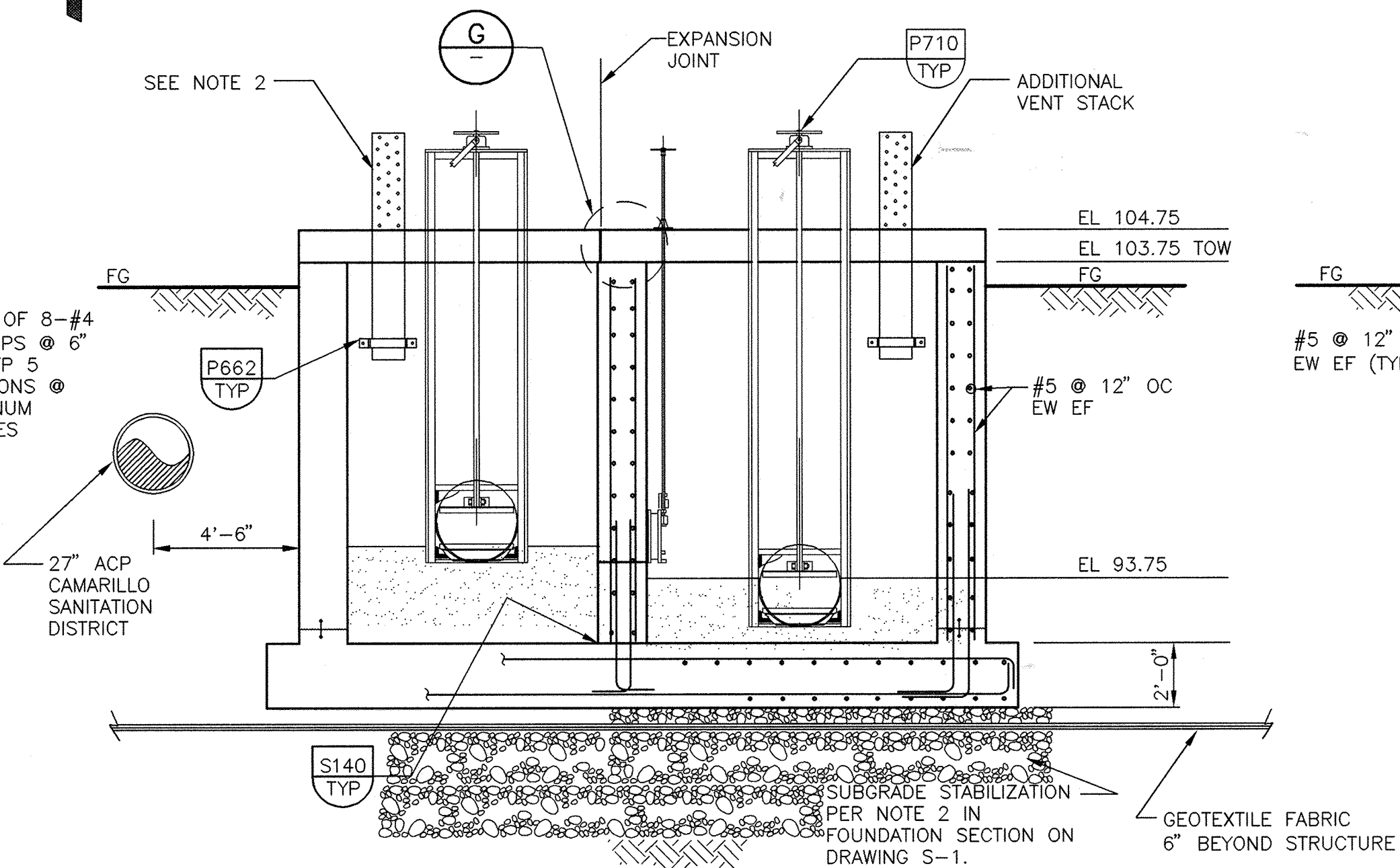
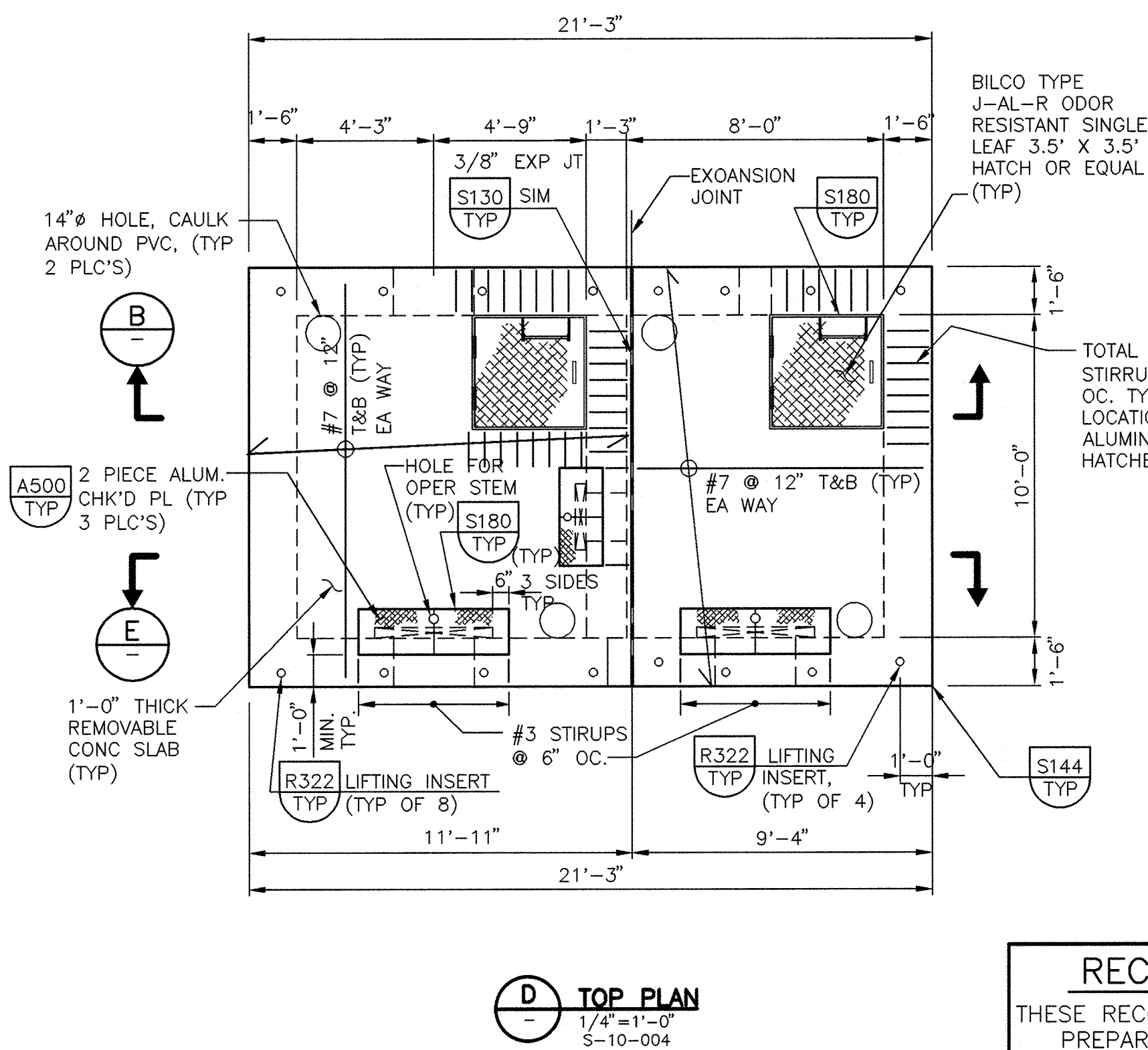
DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: _____
DIRECTOR OF PUBLIC SERVICES

REVIEWED: _____
SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: _____
CITY CAPITAL PROJECTS ENGINEER



RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN
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INFORMATION PROVIDED BY OTHERS

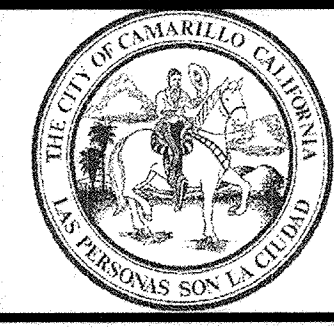
E SECTION
1/4"=1'-0"
S-10-003

F SECTION
- 1-1/2" = 1'-0"
S-10-005

G TYPICAL BUILT-IN BEAM DETAIL
1 1/2" = 1'-0"
S-10-007

[illegible]

SCALE
AS SHOWN
DESIGNED
RMS
DRAWN
RMS
CHECKED
HRR
DATE
OCT. 1999



	CITY OF CAMARILLO / CAMROSA WATER DISTRICT
	CONEJO CREEK 12" VCP SEWER LINE SEWER DIVERSION BOX

APPROVED _____
GENERAL MANAGER, CAMROSA WATER DISTRICT

CITY OF CAMARILLO DRAWING NUMBER	C-11262	
	DRAWING NUMBER	
SHT. 9 OF 12	S-2	
	SHT. 9 OF 12	

NOTES:

- FOR STRUCTURAL NOTES SEE DRAWING S-1.
- INSTALL PVC VENT STACK AS MANUFACTURED BY ARMOUR CAST COMPANY, MODEL NO. UPSRK-8.
- TOP SLAB AND CHECKERD PLATE DESIGN LIVE LOAD: 100 PSF
- REINFORCING BARS IN EACH DIRECTION AND EACH FACE OR MAT OF WALLS AND SLAB SHALL BE PLACED IN ENTIRE WALL AND SLAB AREAS. THESE BARS MAY BE SHOWN CUT OFF BY A " " OR " " MARK FOR CLARITY OF THE DRAWINGS AND DETAILS. REFERENCE IS MADE TO TYPICAL DETAILS FOR PLACEMENT OF ADDITIONAL BARS AT OPENINGS, ETC. WHERE WALLS HAVE SIMILAR REINFORCING STEEL LAYOUTS, ONLY ONE MAY SHOW REINFORCING SIZE, SPACING, AND LAYOUT. OTHER WALLS WILL HAVE THE SAME REINFORCING.
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- NUMBER OF LIFTING INSERTS SHALL NOT BE REDUCED, BUT CAN BE INCREASED 

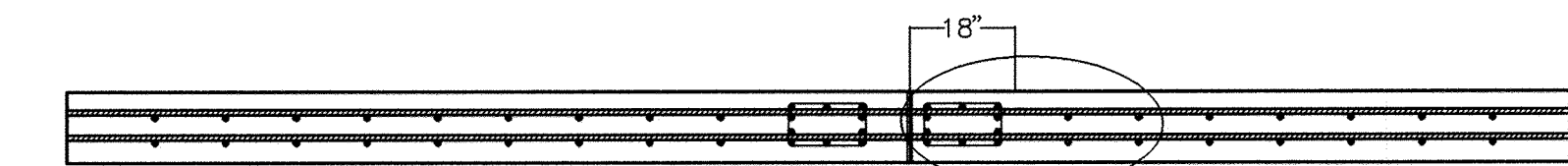
DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

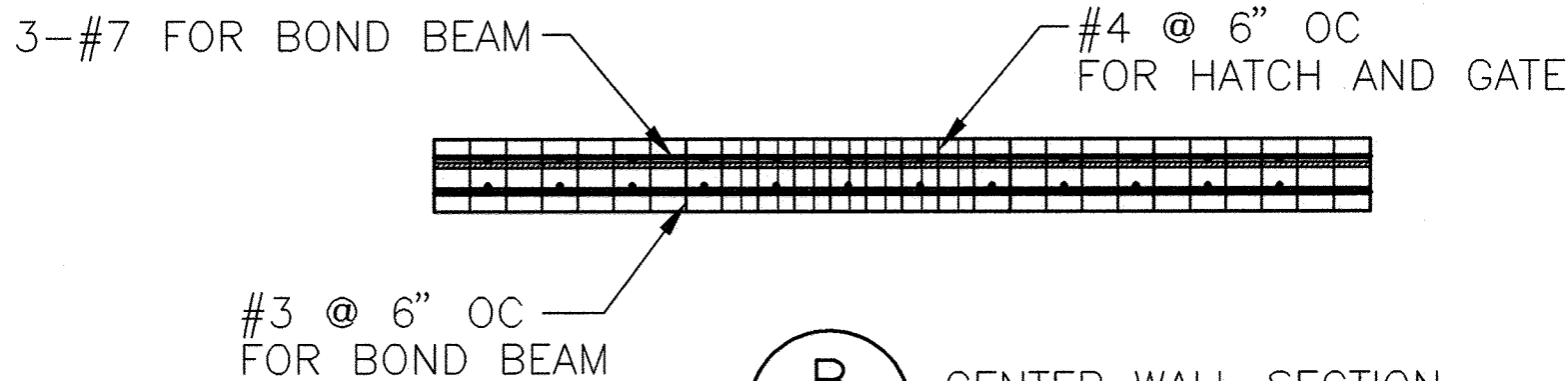
REVIEWED: DIRECTOR OF PUBLIC SERVICES

REVIEWED: SANITARY DISTRICT SUPERINTENDANT

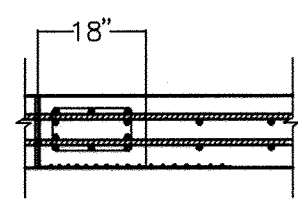
RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER



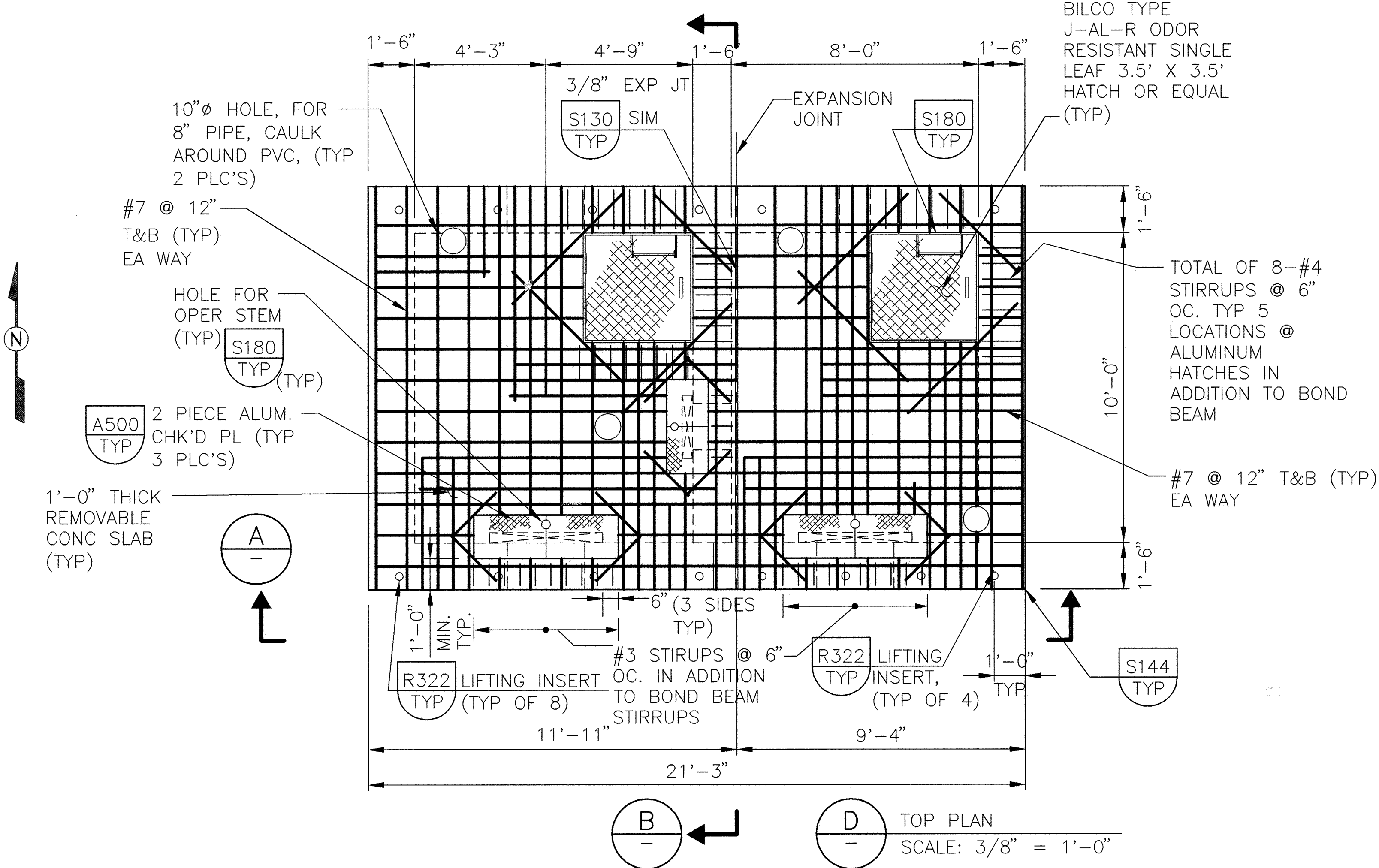
A
—
FACE WALL SECTION
SCALE: 3/8" = 1'-0"



B
—
CENTER WALL SECTION
SHOWING BOND BEAM
SCALE: 3/8" = 1'-0"



C
—
STIRRUP DETAIL
SCALE: 3/8" = 1'-0"



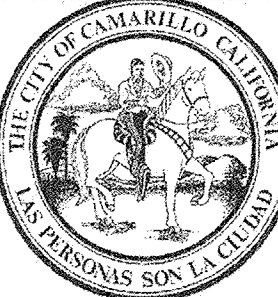
D
—
TOP PLAN
SCALE: 3/8" = 1'-0"

RECORD DRAWING

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VERIFY SCALES

BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY



CITY OF CAMARILLO /
CAMROSA WATER DISTRICT
CONEJO CREEK 12" VCP SEWER LINE
SEWER DIVERSION BOX

APPROVED: GENERAL MANAGER, CAMROSA WATER DISTRICT DATE

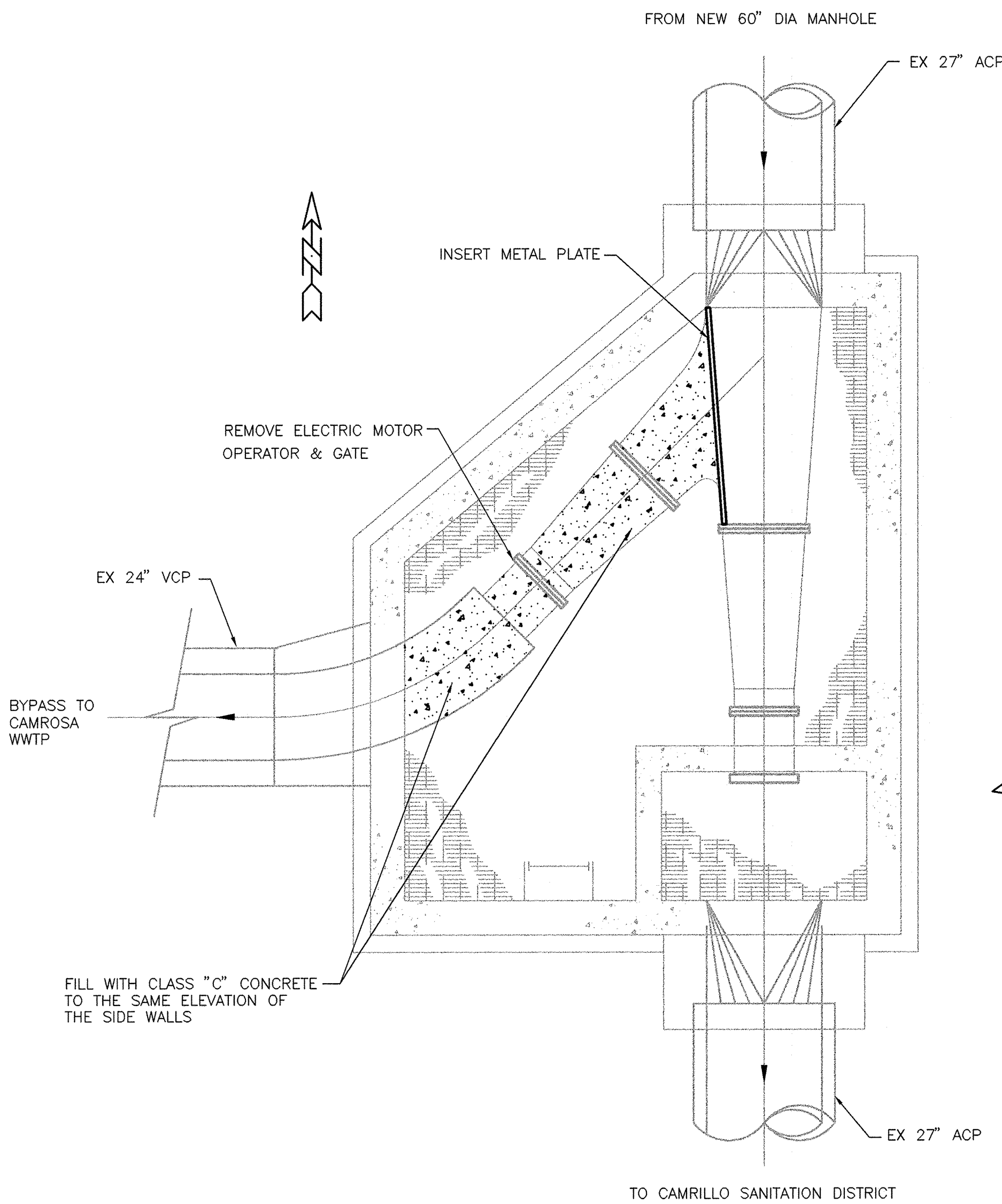
CITY OF CAMARILLO
DRAWING NUMBER
C-11262A

DRAWING NUMBER

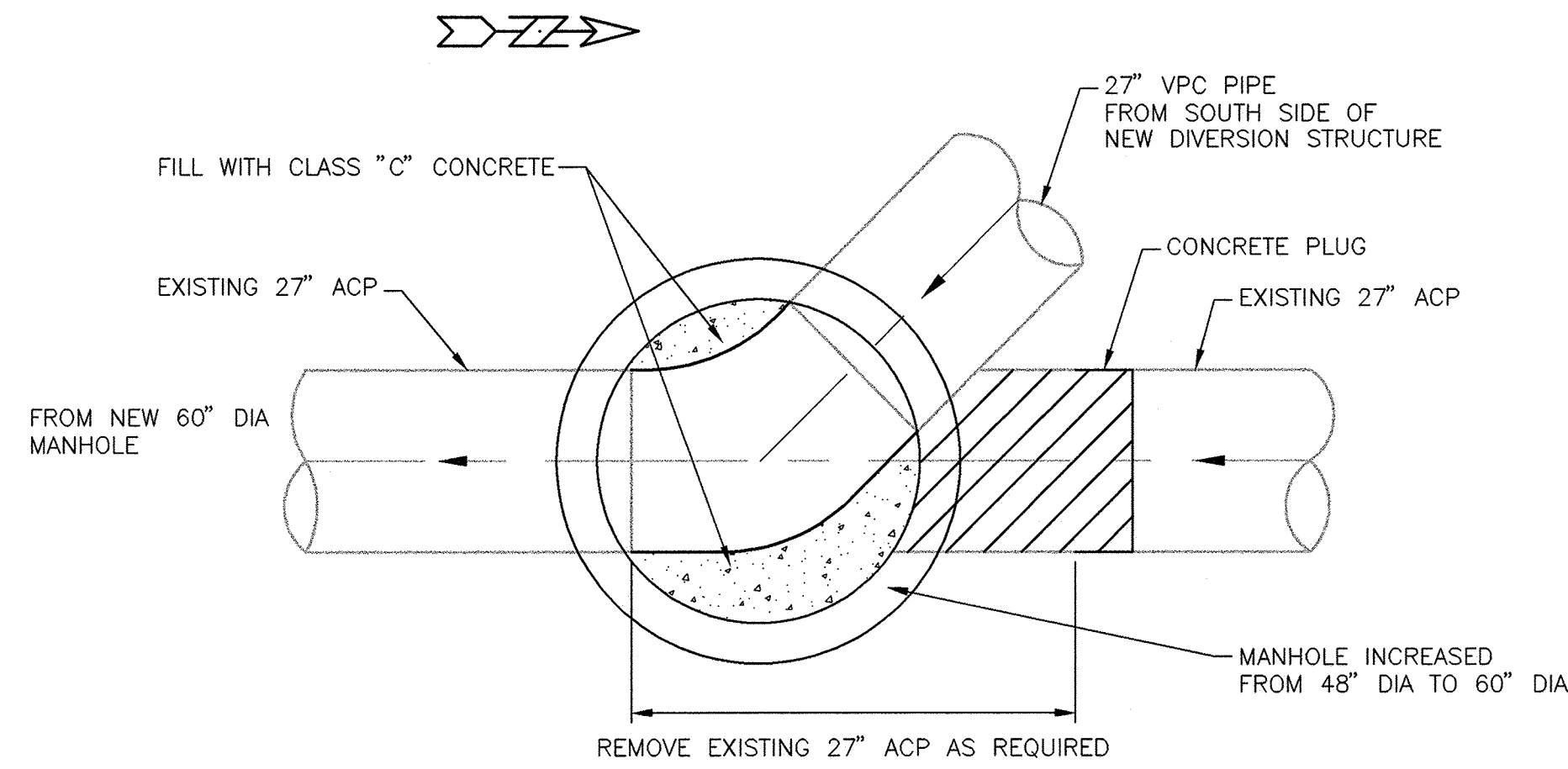
S-2A

SHT. 9A OF 13

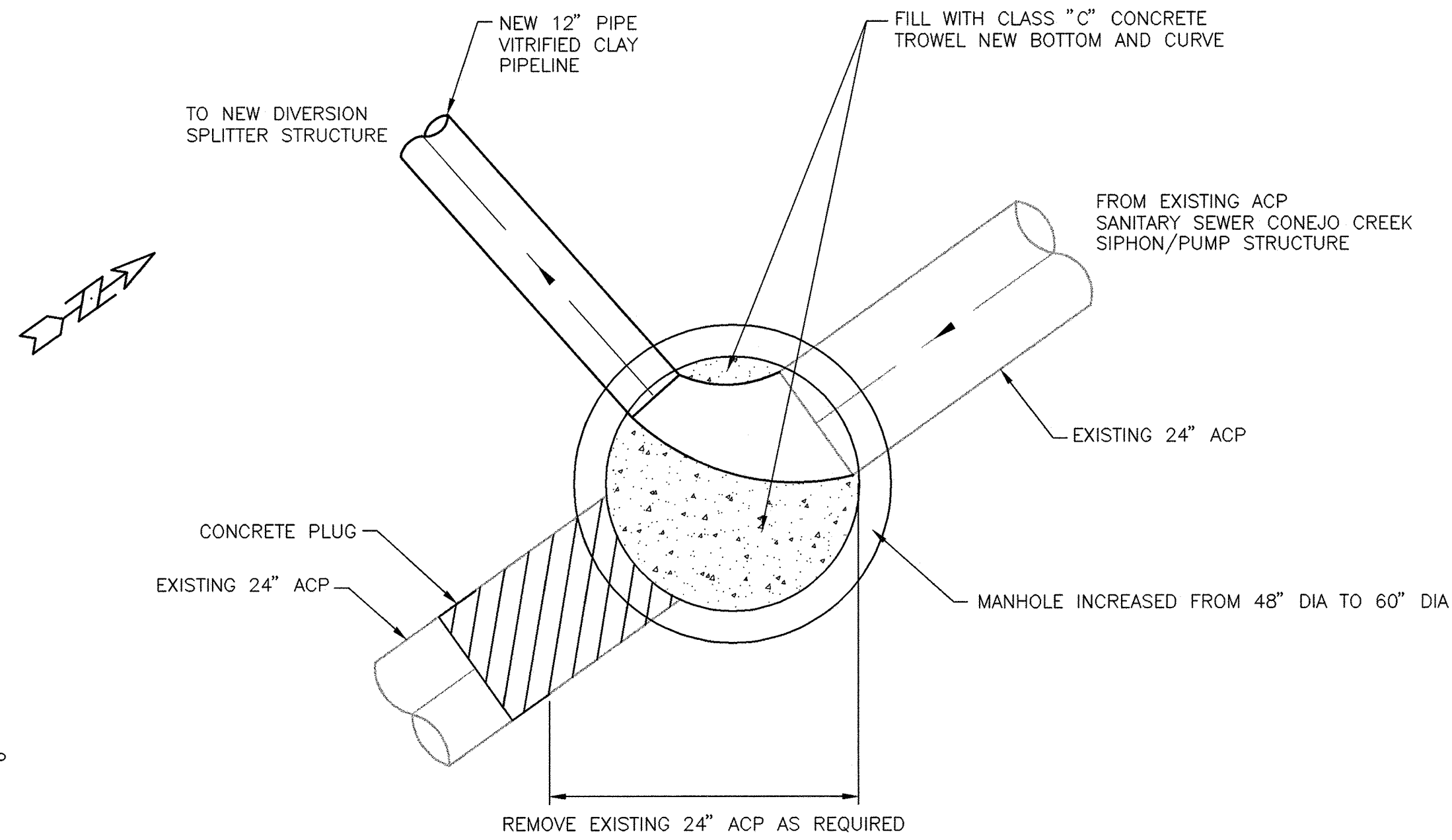
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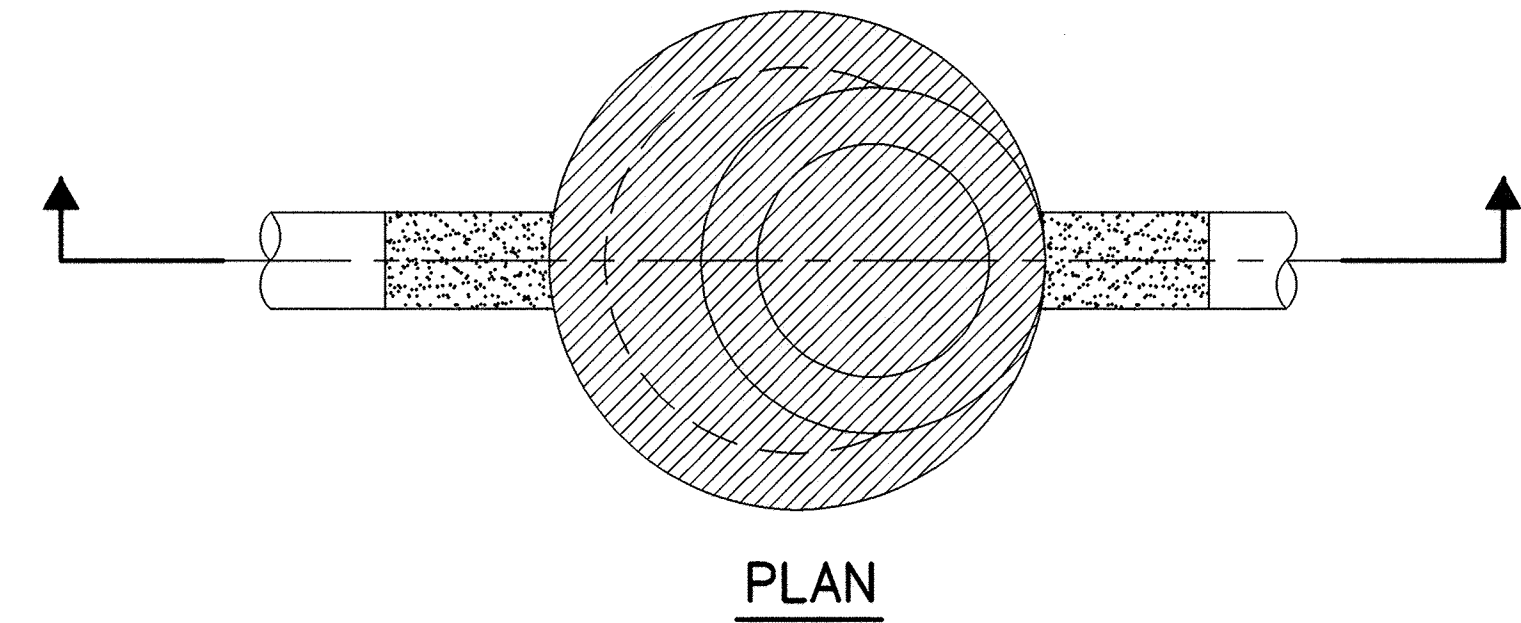
A JUNCTION BOX MODIFICATION
P-1 1/2" = 1'-0"
FILE NO: M-PP02



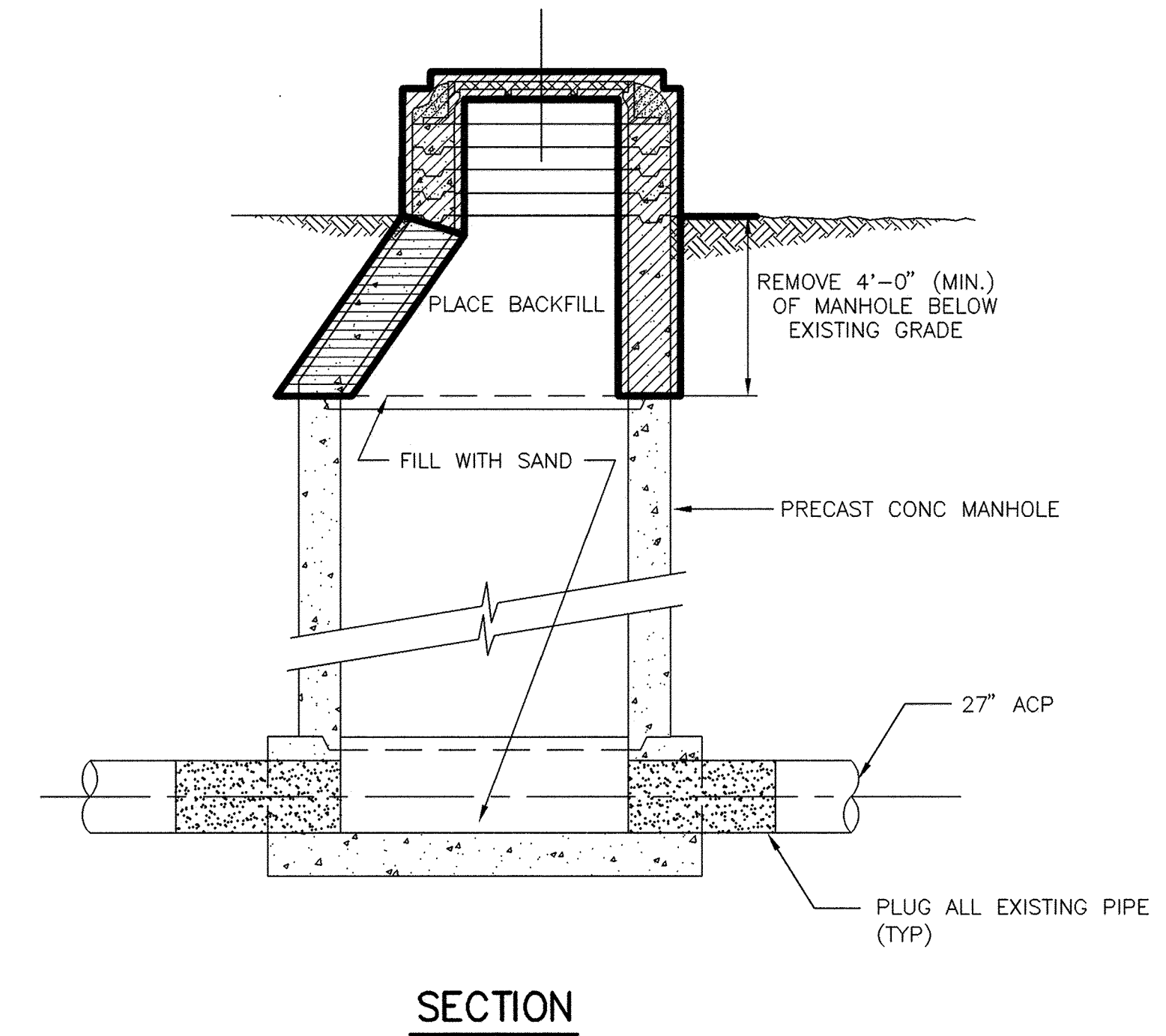
B MANHOLE @ STA. 506+04.76
P-1 1/2" = 1'-0"
FILE NO: M-PP03



C MANHOLE @ STA. 540+32.32
P-4 1/2" = 1'-0"
FILE NO: M-PP04



D ABANDONMENT OF SEWER MANHOLE DETAIL
NTS
FILE NO: M-PP06



SECTION

RECORD DRAWING
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DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: DIRECTOR OF PUBLIC SERVICES

REVIEWED: SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS					APP'VD.	SCALE
NO.	DATE	INITIAL	DESCRIPTION	AS NOTED		
						DESIGNED
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						DRAWN
						NRG
						CHECKED
						DRJ
						DATE
						OCT. 1999



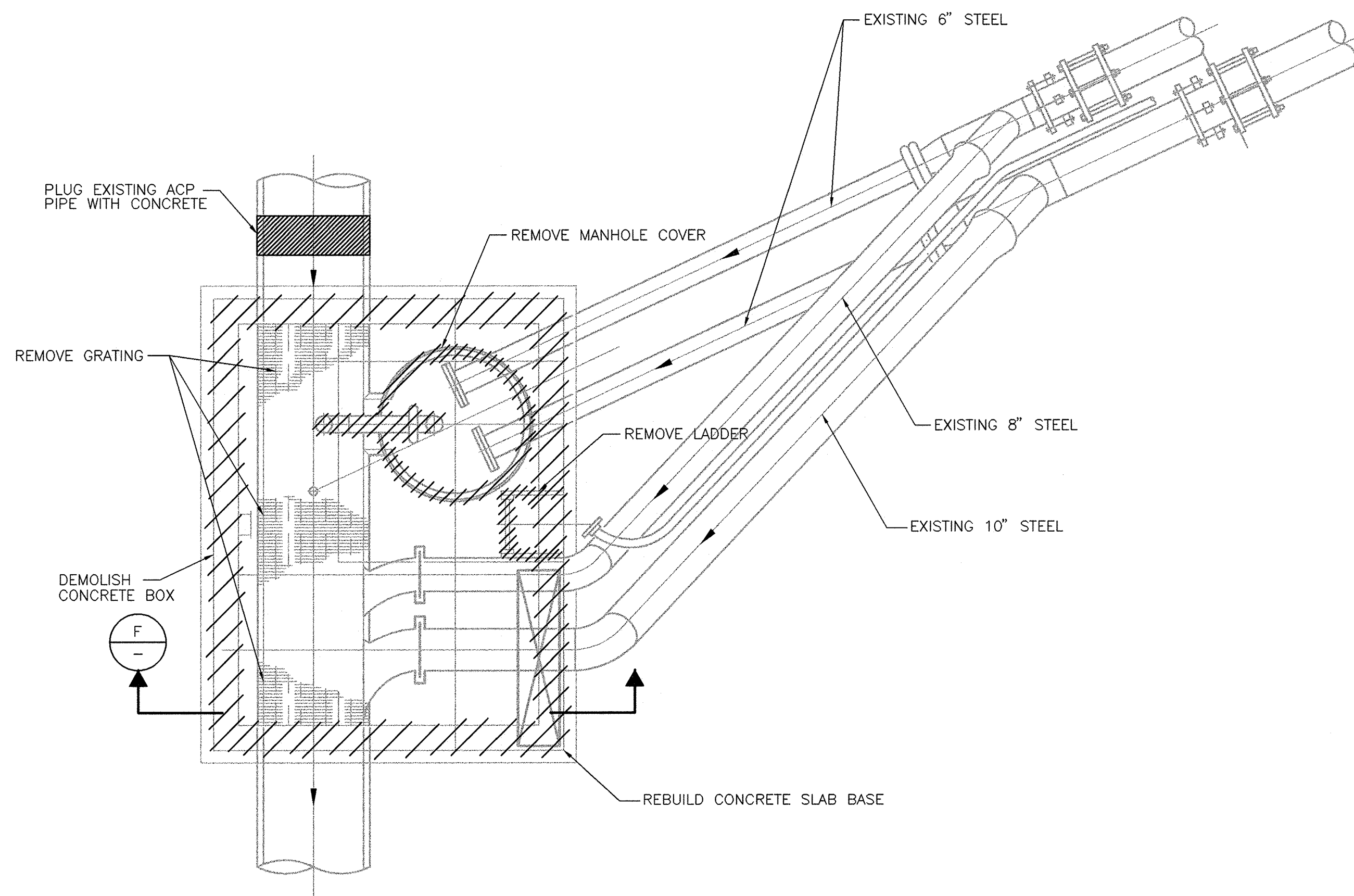
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IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY



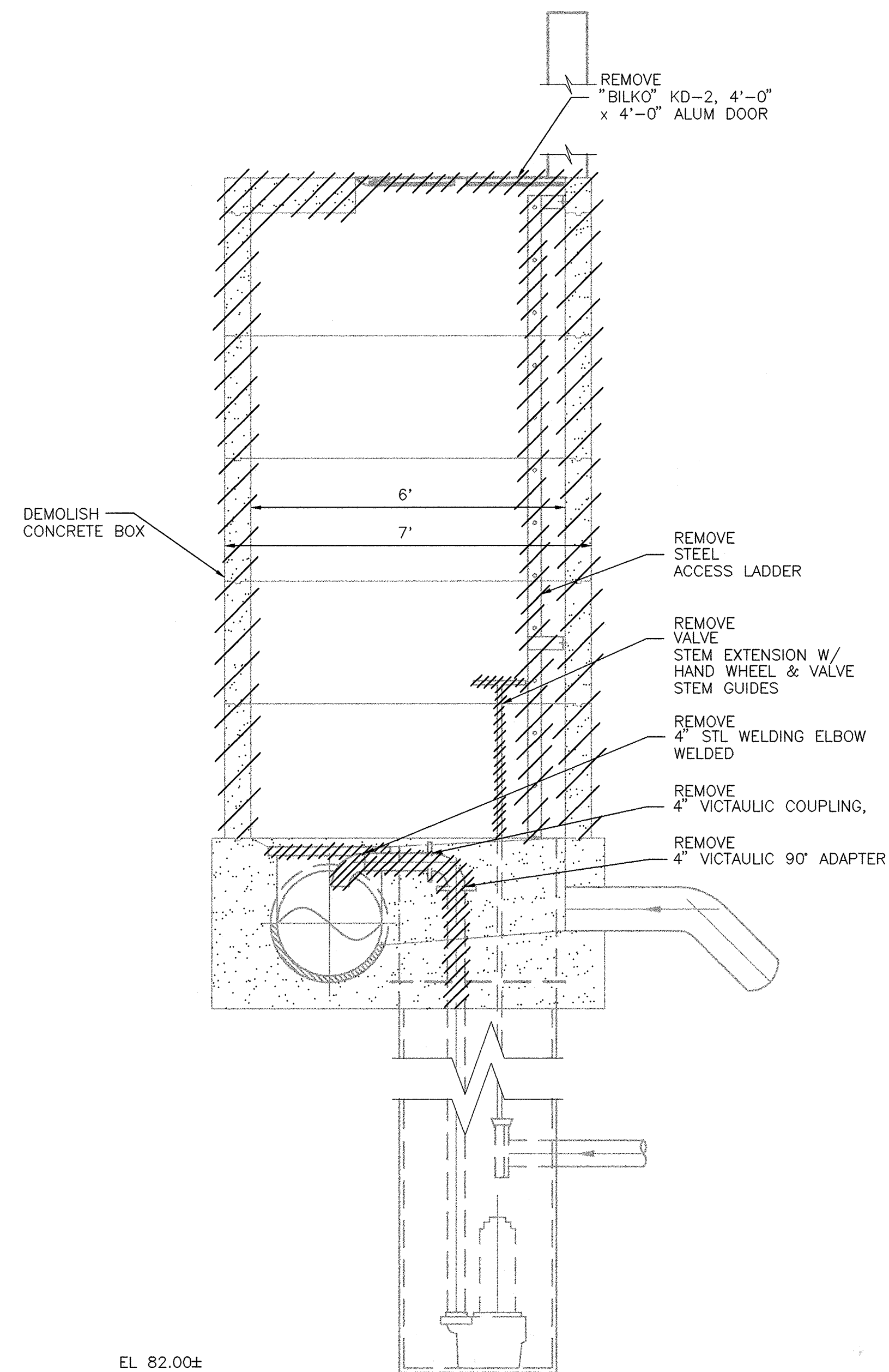
CITY OF CAMARILLO / CAMROSA WATER DISTRICT CONEJO CREEK 12" VCP SEWER LINE PIPING DETAILS	
APPROVED: GENERAL MANAGER, CAMROSA WATER DISTRICT	DATE

CITY OF CAMARILLO DRAWING NUMBER C-11263
DRAWING NUMBER D-1
SHT. 10 OF 12

H:\Client\Camarillo_SAO\4843A10\Drawg\Record\ D-2 11/13/00 11:46 pbocciarelli XREFS: CAMBRD, M-PP09, M-PP10



E DEMOLITION PLAN
1/2" = 1'-0"
FILE NO. M-PP10



F DEMOLITION SECTION
1/2" = 1'-0"
FILE NO. M-PP09

RECORD DRAWING
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DIRECTOR OF ENGINEERING SERVICES

RCE 22261 EX. DATE 9-30-01 DATE

REVIEWED: DIRECTOR OF PUBLIC SERVICES

REVIEWED: SANITARY DISTRICT SUPERINTENDANT

RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS					APP'D.
NO.	DATE	INITIAL	DESCRIPTION		

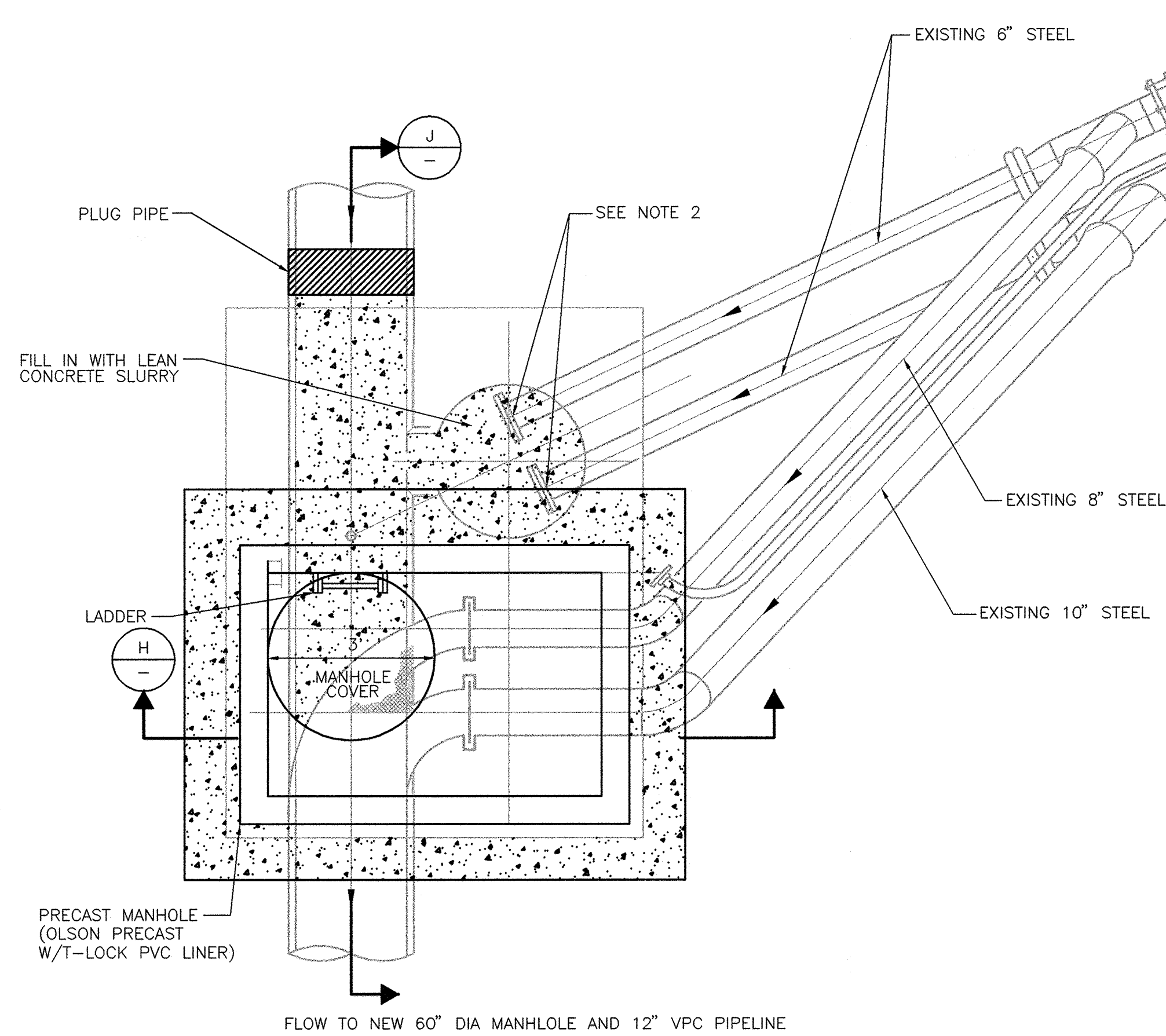
SCALE
AS NOTED
DESIGNED
RJE
DRAWN
NRG
CHECKED
DRJ
DATE
OCT. 1999



VERIFY SCALES
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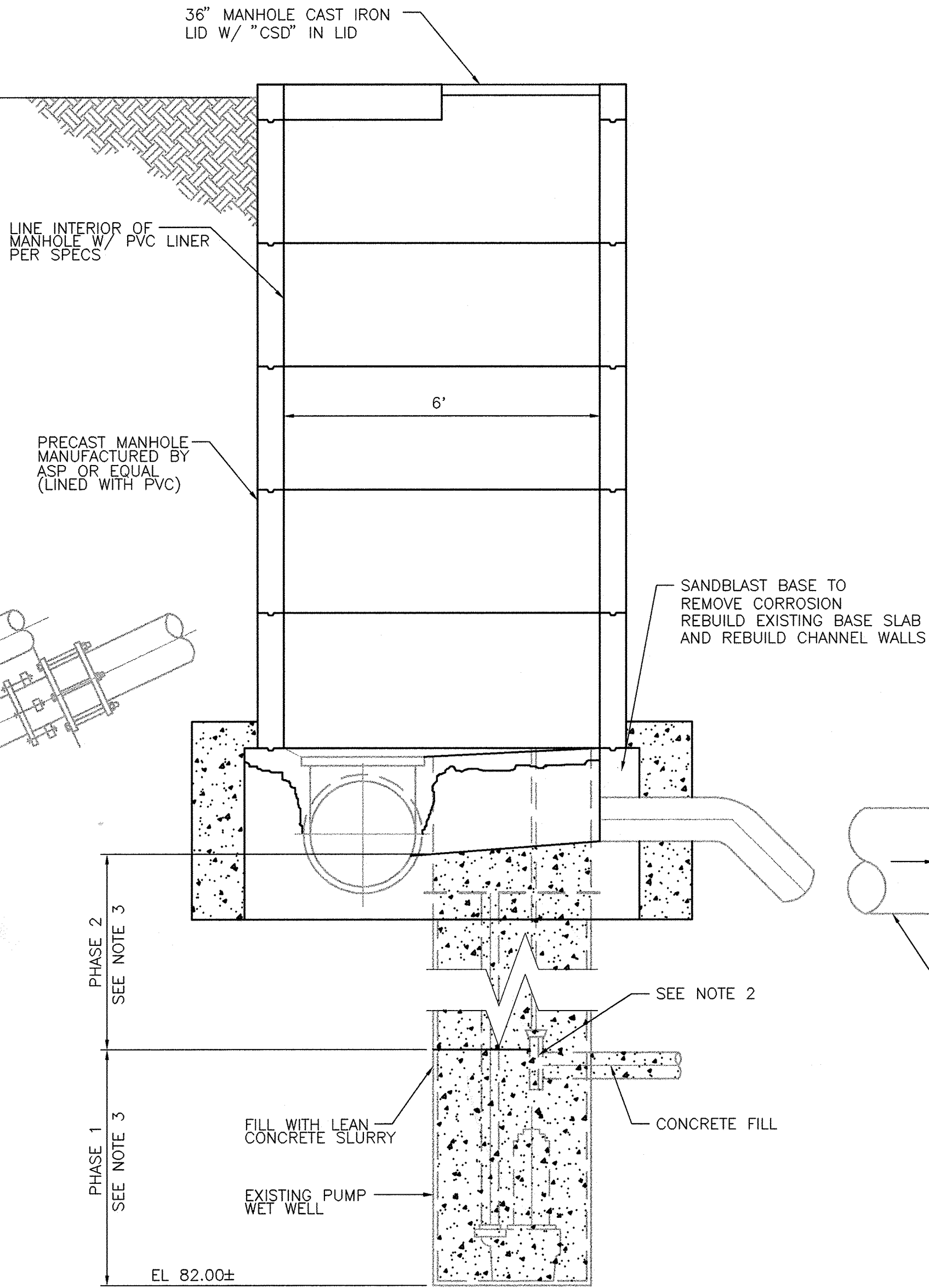


CITY OF CAMARILLO		CITY OF CAMARILLO DRAWING NUMBER
CAMARILLO SANITARY DISTRICT		C-11264
CONEJO CREEK 12" VCP SEWER LINE DEMOLITION OF EXISTING SYPHON/PUMP STATION		DRAWING NUMBER
		D-2
APPROVED _____		SHT. 11 OF 12



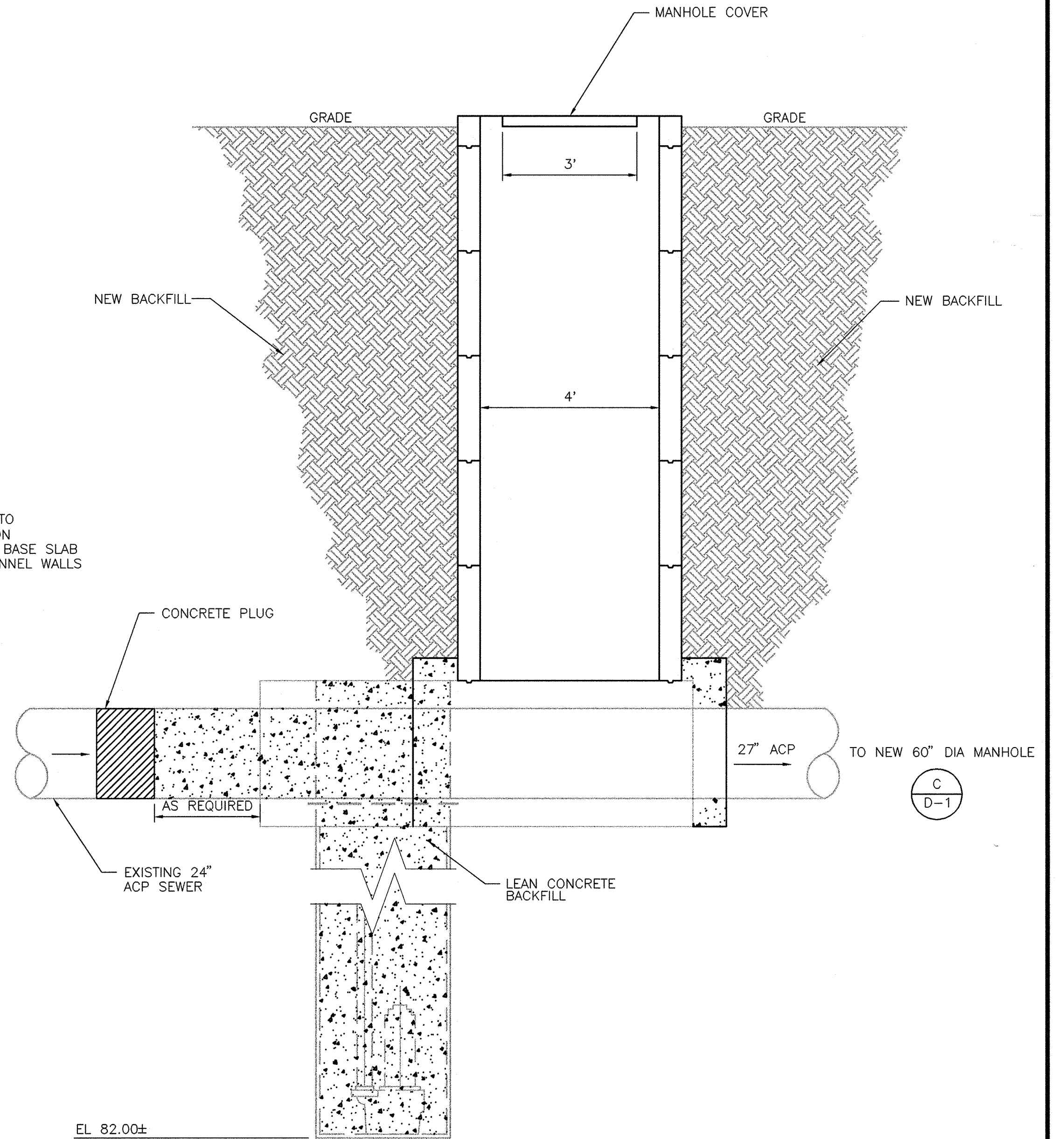
G MODIFICATIONS-PLAN
1/2" = 1'-0"
FILE NO: M-PP08

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN
PREPARED BASED IN PART ON
INFORMATION PROVIDED BY OTHERS



- NOTES:**
- FILLING WET WELL WITH CONCRETE SLURRY:
1. PUMP ALL WATER FROM WET WELL TO EXPOSE VALVES.
 2. MAKE SURE EXISTING VALVES ARE COMPLETELY CLOSED EITHER BY CLOSING VALVE OR BY PLUGGING PIPES.
- IF NOT ABLE TO CLOSE THE VALVES, THE CONTRACTOR SHALL PROVIDE AND INSTALL FLANGES TO CLOSE OFF THE PIPELINE.
3. FILL THE PUMP WET WELL WITH LEAN CONCRETE FILL IN 2 POURS.
- PHASE 1: FILL WET WELL WITH CONCRETE SLURRY TO THE TOP OF THE EXISTING PIPES IN WET WELL. LET SLURRY SET FOR 24 HOURS. LEAVE PUMP IN PLACE WITH SLURRY.
- PHASE 2: FILL THE REST OF WELL WITH CONCRETE SLURRY.
4. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS.

H MODIFICATIONS-SIPHON/PUMP WET WELL
1/2" = 1'-0"
FILE NO. M-PP07



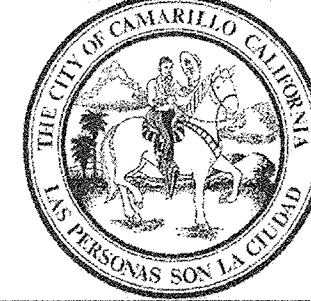
J MODIFICATIONS-NEW VAULT BOX SECTION
1/2" = 1'-0"
FILE NO: M-PP11

DIRECTOR OF ENGINEERING SERVICES
RCE 22261 EX. DATE 9-30-01 DATE
REVIEWED: DIRECTOR OF PUBLIC SERVICES
REVIEWED: SANITARY DISTRICT SUPERINTENDANT
RECOMMENDED: CITY CAPITAL PROJECTS ENGINEER

REVISIONS				SCALE
NO.	DATE	INITIAL	DESCRIPTION	
				AS NOTED
				DESIGNED
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				DRAWN
				NRG
				CHECKED
				DRJ
				DATE
				OCT. 1999



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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



CITY OF CAMARILLO		CITY OF CAMARILLO DRAWING NUMBER
CAMARILLO SANITARY DISTRICT		C-11264A
CONEJO CREEK 12" VCP SEWER LINE		DRAWING NUMBER
NEW SIPHON/PUMP STATION SEWER BOX		
D-3		
APPROVED _____		SHT. 12 OF 12