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RECOMMENDED FOR APPROVAL:
John Wadell 3/21/12
LOS OSOS WASTEWATER PROJECT MANAGER DATE

APPROVED:
Dave Flynn 3/21/12
DEPUTY DIRECTOR OF PUBLIC WORKS DATE



FIELD COPIES

County of San Luis Obispo Los Osos, California

Drawings for the Construction of Los Osos Wastewater Collection System Project Areas A & D

VOLUME III - AREA D

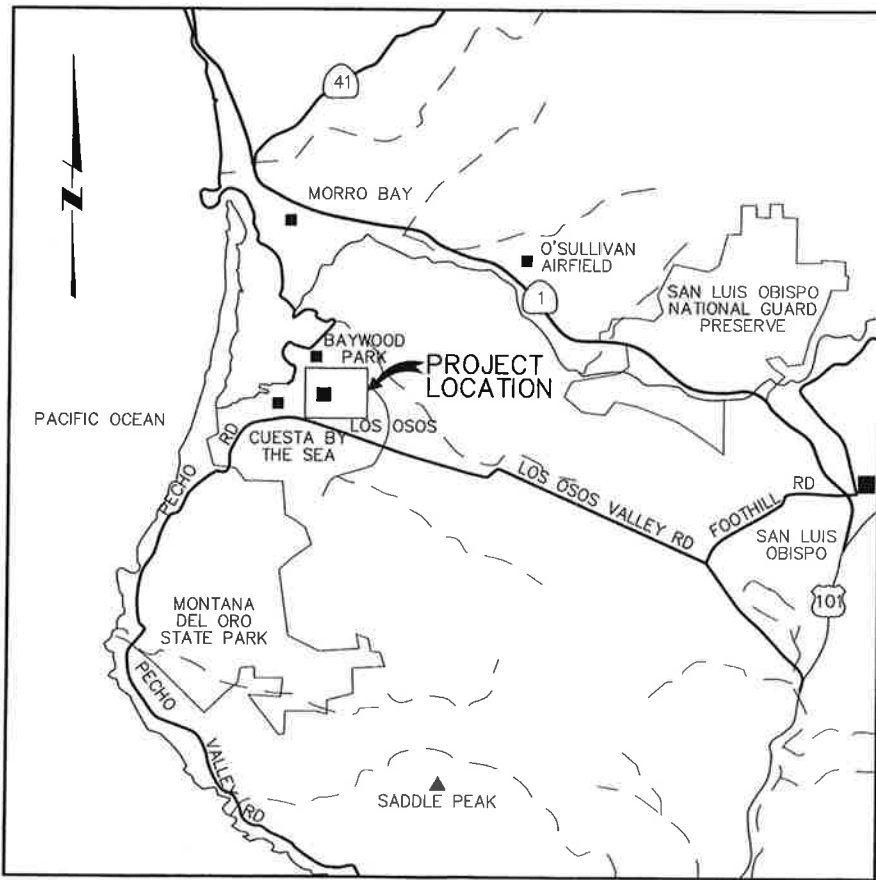
MARCH 2012



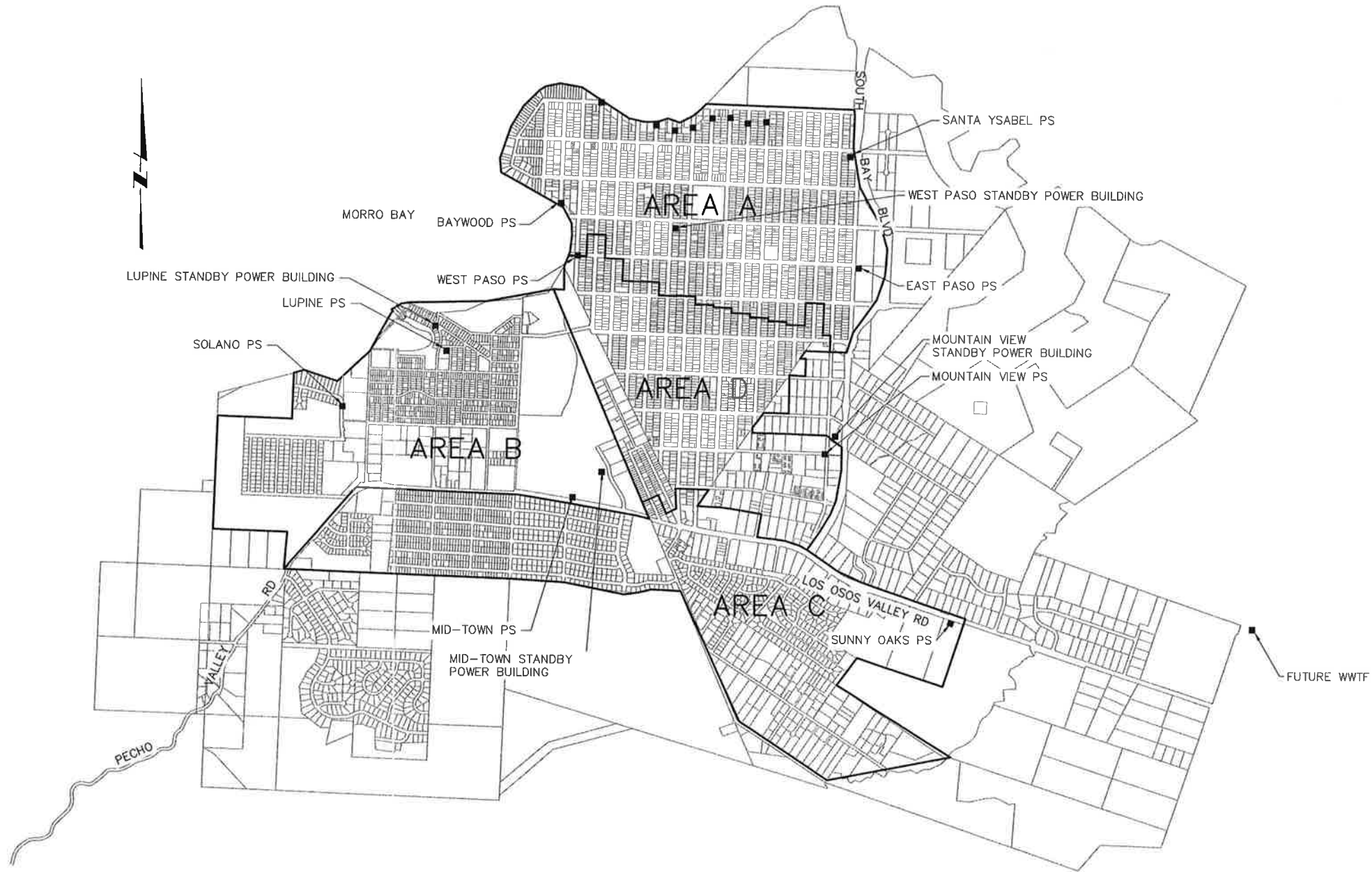
CDM Smith
2201 Gateway Oaks Drive, Suite 300
Sacramento, CA 95833
Tel: (916) 367-0000



LOCATION MAP



VICINITY MAP



SITE PLAN

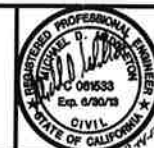
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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: WKT
 CHECKED BY: MDM
 DATE: MARCH, 2012



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



LOS OSOS WASTEWATER COLLECTION SYSTEM
 LOCATION MAP, VICINITY MAP,
 AND SITE PLAN

PROJECT NO. 42502-83120
 FILE NAME: D-G-002
 SHEET NO.
D-G-002

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 S:\Los Osos\Wolmut Creek\G\Area A & D\D-G-003 03/13/12 14:26 bullock\XREFS: LosOsos-bar, CA-MDM

LIST OF DRAWINGS

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- D-G-001 COVER SHEET
- D-G-002 LOCATION MAP, VICINITY MAP, AND SITE PLAN
- D-G-003 AREA D LIST OF DRAWINGS
- D-G-004 GENERAL SURVEY DATA, POTHOLE DATA, AGENCY CONTACT INFORMATION
- D-G-005 (NOT USED)
- D-G-006 GENERAL AREA D KEY PLAN
- D-G-007 AREA D FUTURE STORM DRAIN KEY PLAN
- D-G-008 (NOT USED)
- D-G-009 (NOT USED)
- D-G-010 GENERAL NOTES
- D-G-011 GENERAL SYMBOLS
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- D-TC-001 AREA D TRAFFIC CONTROL PLAN - GENERAL NOTES, LEGEND AND ABBREVIATIONS
- D-TC-002 AREA D TRAFFIC CONTROL PLAN - DETAIL SHEETS: PAVEMENT MARKERS AND TRAFFIC LINES
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- D-TC-005 AREA D TRAFFIC CONTROL PLAN - DETAIL SHEETS: CRASH CUSHIONS
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- D-TC-007 AREA D TRAFFIC CONTROL PLAN - DETAIL SHEETS: CALTRANS TRAFFIC CONTROL PLANS
- D-TC-008 AREA D TRAFFIC CONTROL PLAN - TYPICAL MINOR STREET MID-BLOCK CONSTRUCTION
- D-TC-009 AREA D TRAFFIC CONTROL PLAN - TYPICAL MINOR STREET MID-BLOCK ROADWAY CENTER CLOSURE
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- D-C-401 AREA D KEY PLAN
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- D-M-002 MECHANICAL STANDARD DETAILS - 2
- D-M-003 MECHANICAL POCKET PUMP STATIONS PLAN & SECTIONS
- D-M-004 SUBMERSIBLE PUMP STATIONS DUPLEX LAYOUT - PLAN & SECTION

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- D-PP-102 PLAN AND PROFILE: PISMO AVENUE STA. 1+04.16 TO 4+28.81
- D-PP-103 PLAN AND PROFILE: 4TH STREET STA. 7+91.19 TO 1+69.23
- D-PP-104 PLAN AND PROFILE: RAMONA AVENUE STA. 19+65.96 TO 23+32.55
- D-PP-105 PLAN AND PROFILE: 5TH STREET STA. 7+92.02 TO 0+76.82
- D-PP-106 PLAN AND PROFILE: SAN LUIS AVENUE STA. 1+95.62 TO 7+66.38
- D-PP-107 PLAN AND PROFILE: 7TH STREET STA. 14+33.19 TO 7+74.09
- D-PP-108 PLAN AND PROFILE: NIPOMO AVENUE STA. 4+37.44 TO 14+26.19
- D-PP-109 PLAN AND PROFILE: NIPOMO AVENUE STA. 14+26.19 TO 17+56.25
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- D-PP-111 PLAN AND PROFILE: 11TH STREET STA. 4+00.00 TO 1+10.35
- D-PP-112 PLAN AND PROFILE: LOS OLIVOS AVE. STA. 7+66.68 TO 14+40.09
- D-PP-113 PLAN AND PROFILE: LOS OLIVOS AVE. STA. 14+40.09 TO 23+31.77
- D-PP-114 PLAN AND PROFILE: PISMO AVENUE STA. 4+28.81 TO 14+07.85
- D-PP-115 PLAN AND PROFILE: PISMO AVENUE STA. 14+07.85 TO 18+27.64
- D-PP-116 PLAN AND PROFILE: 8TH STREET STA. 35+03.66 TO 28+13.54
- D-PP-117 PLAN AND PROFILE: RAMONA AVENUE STA. 33+21.42 TO 43+26.69
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- D-PP-119 PLAN AND PROFILE: RAMONA AVENUE STA. 53+10.92 TO 62+48.44
- D-PP-120 PLAN AND PROFILE: 16TH STREET STA. 7+71.72 TO 14+10.66
- D-PP-121 PLAN AND PROFILE: 6TH STREET STA. 7+53.34 TO 14+18.76
- D-PP-122 PLAN AND PROFILE: 6TH STREET STA. 7+53.34 TO 3+25.98
- D-PP-123 PLAN AND PROFILE: NIPOMO AVENUE STA. 4+37.44 TO 2+49.33
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- D-PP-128 PLAN AND PROFILE: 9TH STREET STA. 13+81.82 TO 6+95.96
- D-PP-129 PLAN AND PROFILE: 9TH STREET STA. 20+97.87 TO 27+92.50
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- D-PP-132 PLAN AND PROFILE: 9TH STREET STA. 20+97.86 TO 14+64.04
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- D-PP-134 PLAN AND PROFILE: 10TH STREET STA. 22+05.83 TO 14+00.00
- D-PP-135 PLAN AND PROFILE: 10TH STREET STA. 14+00.00 TO 9+25.94
- D-PP-136 PLAN AND PROFILE: 11TH STREET STA. 14+70.65 TO 20+19.03
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- D-PP-138 (NOT USED)
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- D-PP-141 PLAN AND PROFILE: FERRELL AVE. STA. 32+30.64 TO 22+00.00
- D-PP-142 PLAN AND PROFILE: FERRELL AVE. STA. 22+00.00 TO 16+78.24
- D-PP-143 PLAN AND PROFILE: FERRELL AVE. STA. 16+78.24 TO 7+47.18
- D-PP-144 PLAN AND PROFILE: 4TH STREET STA. 7+91.22 TO 17+87.31
- D-PP-145 PLAN AND PROFILE: 5TH STREET STA. 14+69.75 TO 21+02.99
- D-PP-146 PLAN AND PROFILE: 5TH STREET STA. 14+69.75 TO 8+22.25
- D-PP-147 PLAN AND PROFILE: 6TH STREET STA. 21+46.51 TO 26+20.86
- D-PP-148 PLAN AND PROFILE: 6TH STREET STA. 21+46.51 TO 14+99.04
- D-PP-149 PLAN AND PROFILE: 7TH STREET STA. 28+26.74 TO 30+08.71
- D-PP-150 PLAN AND PROFILE: 7TH STREET STA. 28+26.74 TO 18+00.00
- D-PP-151 PLAN AND PROFILE: 7TH STREET STA. 18+00.00 TO 15+15.13
- D-PP-152 PLAN AND PROFILE: 8TH STREET STA. 28+13.54 TO 21+84.81
- D-PP-153 PLAN AND PROFILE: 9TH STREET STA. 34+56.95 TO 41+03.69
- D-PP-154 PLAN AND PROFILE: 9TH STREET STA. 34+56.95 TO 31+11.69
- D-PP-155 PLAN AND PROFILE: 10TH STREET STA. 35+65.07 TO 41+04.45
- D-PP-156 PLAN AND PROFILE: 10TH STREET STA. 35+65.07 TO 31+46.47
- D-PP-157 PLAN AND PROFILE: 11TH STREET STA. 28+11.68 TO 32+46.00
- D-PP-158 PLAN AND PROFILE: 11TH STREET STA. 28+11.68 TO 21+31.68
- D-PP-159 PLAN AND PROFILE: SAN LUIS AVE. STA. 20+86.15 TO 22+07.50
- D-PP-160 PLAN AND PROFILE: 12TH STREET STA. 21+32.47 TO 25+51.24
- D-PP-161 PLAN AND PROFILE: 12TH STREET STA. 21+32.47 TO 15+08.13
- D-PP-162 PLAN AND PROFILE: 13TH STREET STA. 21+17.96 TO 24+48.86
- D-PP-163 PLAN AND PROFILE: 13TH STREET STA. 21+18.10 TO 14+86.22
- D-PP-164 PLAN AND PROFILE: 14TH STREET STA. 14+52.62 TO 17+37.79
- D-PP-165 PLAN AND PROFILE: 14TH STREET STA. 14+52.62 TO 5+04.15
- D-PP-166 (NOT USED)
- D-PP-167 PLAN AND PROFILE: 15TH STREET STA. 7+72.13 TO 9+93.87
- D-PP-168 PLAN AND PROFILE: 15TH STREET STA. 7+72.13 TO 3+15.92
- D-PP-169 PLAN AND PROFILE: SANTA YNEZ AVE. STA. 4+15.72 TO 2+77.28
- D-PP-170 PLAN AND PROFILE: 8TH STREET STA. 7+74.48 TO 5+03.94
- D-PP-171 PLAN AND PROFILE: 9TH STREET STA. 27+92.50 TO 30+75.61
- D-PP-172 PLAN AND PROFILE: 10TH STREET STA. 29+00.80 TO 31+30.81
- D-PP-172A PLAN AND PROFILE: SANTA YNEZ AVE. STA. 9+45.58 TO 10+94.16
- D-PP-173 PLAN AND PROFILE: 12TH STREET STA. 7+91.39 TO 13+94.04
- D-PP-174 PLAN AND PROFILE: 12TH STREET STA. 7+91.39 TO 1+20.07
- D-PP-175 PLAN AND PROFILE: SANTA YNEZ AVE. STA. 17+53.28 TO 24+03.04
- D-PP-176 PLAN AND PROFILE: FAIRCHILD WAY STA. 17+03.44 TO 13+04.90
- D-PP-177 PLAN AND PROFILE: 13TH STREET STA. 7+76.75 TO 14+38.27
- D-PP-177A PLAN AND PROFILE: SAN LUIS AVENUE STA. 27+45.25 TO 25+97.21
- D-PP-178 PLAN AND PROFILE: 13TH STREET STA. 7+76.75 TO 6+29.08
- D-PP-179 PLAN AND PROFILE: BUSH DRIVE STA. 16+07.63 TO 6+21.55
- D-PP-179A PLAN AND PROFILE: SAN LUIS AVENUE STA. 30+70.38 TO 33+12.25
- D-PP-180 PLAN AND PROFILE: MOUNTAIN VIEW AVE. STA. 17+17.06 TO 8+52.10
- D-PP-181 PLAN AND PROFILE: MOUNTAIN VIEW AVE. STA. 7+14.56 TO 2+21.84
- D-PP-182 PLAN AND PROFILE: SANTA YNEZ AVENUE STA. 34+01.29 TO 24+70.86
- D-PP-183 PLAN AND PROFILE: LOS OLIVOS AVENUE STA. 27+56.97 TO 24+41.06
- D-PP-184 MOUNTAIN VIEW CONDUIT PLAN

COLLECTION SYSTEM - RECYCLED WATER

- D-PP-385 PLAN AND PROFILE: REW 10TH STREET STA. 510+00 TO 520+00
- D-PP-386 PLAN AND PROFILE: REW 10TH STREET STA. 520+00 TO 530+00
- D-PP-387 PLAN AND PROFILE: REW 10TH STREET STA. 530+00 TO 540+00

COLLECTION SYSTEM - FORCE MAIN

- D-PP-420 PLAN AND PROFILE: FM 3RD STREET STA. 1+30.68 TO 9+00
- D-PP-421 PLAN AND PROFILE: FM 4TH STREET STA. 9+00 TO 19+00
- D-PP-422 PLAN AND PROFILE: FM RAMONA AVE. STA. 19+00 TO 29+00
- D-PP-423 PLAN AND PROFILE: FM RAMONA AVE. & 9TH STREET STA. 29+00 TO 39+00
- D-PP-424 PLAN AND PROFILE: FM 9TH STREET STA. 39+00 TO 49+00
- D-PP-425 PLAN AND PROFILE: FM 9TH STREET STA. 49+00 TO 59+00
- D-PP-426 PLAN AND PROFILE: FM 9TH STREET STA. 59+00 TO 61+00

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- D-S-001 STRUCTURAL NOTES - 1
- D-S-002 STRUCTURAL NOTES - 2
- D-S-003 STANDARD STRUCTURAL DETAILS - 1
- D-S-004 STANDARD STRUCTURAL DETAILS - 2
- D-S-011 SUBMERSIBLE PUMP STATIONS & VALVE VAULTS - FOUNDATION AND TOP PLANS
- D-S-012 SUBMERSIBLE PUMP STATIONS & VALVE VAULTS - SECTION AND DETAILS
- D-S-013 POCKET PUMP STATION PLANS, SECTION AND DETAILS

ELECTRICAL

- D-E-001 ELECTRICAL FIBER OPTIC & POWER CONDUIT PLAN AREA D
- D-E-002 ELECTRICAL DETAILS
- D-E-401 ELECTRICAL POCKET PUMP STATIONS 09B, 09C, & 15B ELECTRICAL SITE PLAN

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: WKT
 CHECKED BY: MDM
 DATE: MARCH, 2012

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 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 967-9600

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 UNDERGROUND SERVICE ALERTS OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
AREA D
LIST OF DRAWINGS

PROJECT NO. 42502-83120
 FILE NAME: D-G-003
 SHEET NO.
D-G-003

SURVEY DATA

HORIZONTAL POSITIONS AND ELLIPSOID HEIGHTS ARE BASED ON NORTH AMERICAN DATUM OF 1983, 1991.35 EPOCH ADJUSTMENT OF THE HIGH PRECISION GEODETIC NETWORK AS REFERENCED BY #1315 IN THIS SURVEY, NGS DESIGNATION "A 1315" AND #14, NGS DESIGNATION "942110 TIDAL 14 RESET." THE NAD83 DATUM SUPERSEDED THE NAD27 DATUM

ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAND88) PER #1315 AND #14 AS REFERENCED ABOVE. IN ADDITION AS FIRST ORDER CLASS 1 BENCHMARK NGS DESIGNATION "B 1314" (PT #1314) WAS USED FOR QUALITY CONTROL. THE ORTHOMETRIC HEIGHTS WITHIN THE PROJECT SITE WAS USED FOR QUALITY CONTROL. THE ORTHOMETRIC HEIGHTS WITHIN THE PROJECT SITE ARE APPROXIMATELY ONLY, DUE TO THE DISTANCE BETWEEN THE SITE AND THE BENCHMARKS. THE PURPOSE OF THE MODELING WITHIN THE SITE WAS TO DETERMINE A GOOD ORTHOMETRIC MODEL WITHIN THE SITE AREA ITSELF. NO ATTEMPT WAS MADE TO MAKE THIS MODEL TO EXACTLY MATCH NAVD88.

THE SURVEY DATA PROVIDED HEREIN WAS SUPPLIED BY THE COUNTY FOR USE DURING DESIGN AND CONSTRUCTION.

AGENCY CONTACT INFORMATION

WATER

LOCSB
MARGARET FALKNER
2122 9TH ST. P.O. BOX 6064
LOS OSOS, CA 93412
(805) 528-9370

GOLDEN STATE WATER CO.
MARK ZIMMER
1140 LOS OLIVOS AVE.
LOS OSOS, CA 93402
(805) 528-2287

S&T MUTUAL WATER CO.
DAVE TOLLEY
P.O. BOX 6391
LOS OSOS, CA 93412
(805) 534-1139

STORM DRAINS

COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PUBLIC WORKS
COUNTY GOVERNMENT CENTER
ROOM 207
SAN LUIS OBISPO, CA 93408

GAS

SOUTHERN CALIFORNIA GAS CO.
BRUCE SPENCER
P.O. BOX 818
GOLETA, CA 93116
(805) 681-8083

ELECTRIC

PG&E
TOM WAHWEOTTIN
4325 S. HIGUERA
SAN LUIS OBISPO, CA 93401
(805) 546-5227

FIRE DEPARTMENT

CAL FIRE/SAN LUIS OBISPO COUNTY
FIRE DEPARTMENT
SOUTH BAY STATION #15
CHIEF ROBERT LEWIN
2315 BAYVIEW HEIGHTS DR.
LOS OSOS, CA 93402
(805) 528-1053

PHONES/FIBER OPTIC

TERRADEX
PETER BIFFAR
855 EL CAMINO REAL,
SUITE 311
PALO ALTO, CA 94301
(877) 577-4111 (EXT 100)

LEVEL 3 COMMUNICATIONS
MICHAEL SEILER
775 CAPITOLIO WAY
SAN LUIS OBISPO, CA 93401
(805) 593-1816

AT&T LEGACY
ROSEMARY HAMILL
2741 N. MAIN STREET
WALNUT CREEK, CA 94597
(916) 799-4642

AT&T TRUNK & TOLL
AMY PIGNATARO
1860 WARDROBE AVENUE
MERCED, CA 95341
(209) 726-6920

AT&T LOCAL EXCHANGE
RALPH SOARES
196 SUBURBAN ROAD
SAN LUIS OBISPO, CA 93401
(805) 237-8131

QWEST/CENTURYLINK
GEORGE MCELVAIN
700 MINERAL AVENUE
UTD 2734
LITTLETON, CO 80120
(720) 260-2514

SPRINT-NEXTEL
TIBOR LAKY
2592 DUPONT DRIVE
IRVINE, CA 92612
(800) 659-9698







VERIZON
DEAN BOYERS
2400 N. GLENVILLE DRIVE
RICHARDSON, TX 75082
(972) 729-6322

CHARTER COMMUNICATIONS
270 BRIDGE STREET
SAN LUIS OBISPO, CA 93401
(805) 466-3040

UMAN / FIBER OPTIC

SAN LUIS COASTAL UNIFIED
SCHOOL DISTRICT

POTHOLE DATA

AREA	POTHOLE DRAWING ID	EXISTING GRADE	DEPTH TO TOP	EXISTING AC THICKNESS	LOCATION	DESCRIPTION	NORTHING	EASTING
D	 D-PP-135	125.13	T=50" : B=66"	DIRT ROAD	10TH ST/LOS OLIVOS	12 - 4" FO COND	2,312,275.89	5,716,827.99
D	 D-PP-113	122 +/-	T=107"	4"	LOS OLIVOS/FAIRCHILD	MULTIPLE FO COND	-	-
D	 D-PP-183	122.66	-	5"	LOS OLIVOS/MOUNTAIN VIEW	FO - NOT FOUND	2,311,939.31	5,719,098.82
D	 D-PP-134	-	-	8"	10TH ST/SANTA YNEZ	FO - NOT FOUND	-	-
D	 D-PP-135	126.55	T=99" : B=116"	8"	10TH ST/LOS OLIVOS	MULTIPLE FO COND	2,312,266.75	5,716,816.45
D	 D-PP-134	104.99	T=56" : B=72"	10"	10TH ST/SANTA YNEZ	9 - 4" FO COND	2,312,888.22	5,716,847.88

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REV. NO.	DATE	DRWN	CHKD	REMARKS


DESIGNED BY: BJC
DRAWN BY: LLB
CHECKED BY: MDM
DATE: MARCH, 2012



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Tel: (916) 567-9900



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UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL SURVEY DATA, POTHOLE DATA, AGENCY CONTACT INFORMATION

PROJECT NO. 42502-83120
FILE NAME: D-G-004
SHEET NO.
D-G-004

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 S:\Los Osos\Walnut Creek\Area A & D\D-G-006 03/12/12 07:57 dlj\ckk\



- NOTES:**
1. FOR GRAVITY SEWER, SEE SHEETS D-PP-101 TO D-PP-184.
 2. FOR REW, SEE SHEETS D-PP-385 TO D-PP-387.
 3. FOR FM, SEE SHEETS D-PP-420 TO D-PP-426.
 4. FOR ELECTRICAL CONDUIT PLAN, SEE SHEET D-E-001.

KEY PLAN
SCALE: 1" = 300'

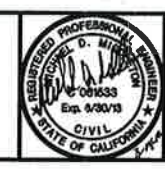
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LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL AREA D KEY PLAN

PROJECT NO. 42502-83120
 FILE NAME: D-G-006
 SHEET NO. D-G-006

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- INDICATES GENERAL AREA OF PLANNED DRAINAGE BASIN OR SWALE
- INDICATES GENERAL AREA OF PLANNED DRAINAGE INFILTRATOR OR STORM DRAIN
- ▲ INDICATES GENERAL AREA OF PLANNED DRAINAGE IMPROVEMENTS USING A COMBINATION OF INFILTRATOR, BASIN and/or SWALE

NOTES TO CONTRACTOR:
 THE DRAINAGE IMPROVEMENTS DENOTED ON THIS SHEET WILL BE CONSTRUCTED BY OTHERS AND ARE NOT IN THIS CONTRACT. THE OWNER WILL COORDINATE WITH THE CONTRACTOR TO INSURE THAT CONSTRUCTION OF THE DRAINAGE IMPROVEMENTS DO NOT INTERFERE WITH THE CONTRACTOR'S WORK.

 SEE SPECIFICATION APPENDIX A FOR STANDARD DETAILS OF INFILTRATOR, RETENTION SWALE AND DETENTION BASIN

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH 2012

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LOS OSOS WASTEWATER COLLECTION SYSTEM
**AREA D
 FUTURE STORM DRAIN
 KEY PLAN**

PROJECT No. 42502-83120
 FILE NAME: D-G-007
 SHEET NO.
D-G-007

PRELIMINARY - NOT FOR CONSTRUCTION

GENERAL NOTES

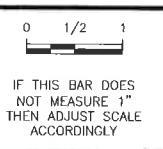
1. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED PLANS FOR THIS PROJECT ON THE SITE AT ALL TIMES AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
2. STANDARD SPECIFICATIONS - ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THESE CONSTRUCTION DOCUMENTS AND THE COUNTY OF SAN LUIS OBISPO STANDARD PLANS AND SPECIFICATIONS, CURRENT EDITION, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.
3. UTILITY NOTIFICATION - PRIOR TO BEGINNING ANY EARTHWORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES INVOLVED AND SHALL LOCATE ALL FACILITIES PRIOR TO EXCAVATION IN ANY AREA. THE CONTRACTOR SHALL CALL DIG ALERT (USA), TOLL FREE AT 1-800-642-2444 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. EXISTING UTILITIES - THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES WHERE SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS, AND ARE APPROXIMATE ONLY. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR LOCATING OR HAVING LOCATED ALL UNDERGROUND UTILITIES AND OTHER FACILITIES AND FOR PROTECTING THE SAME DURING THE COURSE OF CONSTRUCTING THE PROJECT. ANY DEVIATIONS FROM THE PLAN LOCATION OF ANY EXISTING FACILITIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE COUNTY INSPECTOR.
5. SITE CONDITIONS - THE CONTRACTOR SHALL CONTINUALLY REVIEW JOB SITE CONDITIONS. CONDITIONS REQUIRING CONSTRUCTION DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE REPORTED TO THE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE AFFECTED CONSTRUCTION.
6. CONTRACTORS RECORD OF CHANGES - THE CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL CHANGES WHICH DEVIATE FROM THE CONSTRUCTION AS SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING THE ENGINEER OF RECORD WITH A BASIS FOR THE PREPARATION OF RECORD DRAWINGS.
7. RECORD DRAWINGS - THE CONTRACTOR SHALL MAINTAIN A SET OF MARKED UP AS-BID DRAWINGS SHOWING ACTUAL INSTALLED AND FIELD CONDITIONS.
8. MANHOLE ENTRY SHALL BE IN COMPLIANCE WITH THE CONFINED SPACE ENTRY REQUIREMENTS OF CAL-OSHA, AND THE COUNTY OF SAN LUIS OBISPO.
9. EXISTING UTILITIES IN THE PROJECT AREA INCLUDING ACP WATER MAINS MAY BE IN A FRAGILE CONDITION. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING UTILITIES.
10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL LOOPS, CABLES, AND CONDUITS IN THE VICINITY OF THE WORK. TRAFFIC SIGNALS SHALL BE MAINTAINED IN OPERATION DURING CONSTRUCTION AT ALL TIMES. CONTRACTOR SHALL PROTECT EXISTING TRAFFIC SIGNAL LOOPS AND FACILITIES. DAMAGED FACILITIES SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATIONS.
11. PLAN ELEVATIONS OR DEPTHS FOR EXISTING UNDERGROUND UTILITIES ARE BASED ON RECORD DRAWINGS AND SURVEY INFORMATION AND ARE APPROXIMATE ONLY. WHERE NO ELEVATIONS ARE SHOWN, NO SUCH INFORMATION WAS AVAILABLE DURING DESIGN AND CONTRACTOR SHALL EXPOSE THESE UTILITIES FOR FIELD VERIFICATION PRIOR TO CONSTRUCTION.
12. UTILITY SERVICES AND THEIR LOCATION ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO LOCATE AND PROTECT SERVICES DURING CONSTRUCTION. NO INTERRUPTION OF UTILITY SERVICES SHALL BE ALLOWED.
13. DIMENSIONS FOR ALL OTHER EXISTING STRUCTURES, REFERENCING PIPING, PAVING, AND OTHER NON-STRUCTURAL ITEMS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
14. FOR ALL STANDARD MANHOLES THE COORDINATE LOCATIONS REPRESENT THE CENTERLINE OF THE MANHOLE BASE UNLESS INDICATED OTHERWISE ON THESE DRAWINGS. MANHOLES LOCATED AT THE INTERSECTIONS MAY BE ADJUSTED SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. LOCATIONS OF MANHOLES THAT ARE NOT AT PIPELINE INTERSECTIONS MAY BE ADJUSTED SUBJECT TO APPROVAL BY THE ENGINEER.
15. CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY OR APPROPRIATE WATER COMPANY FOR THE USE OF CONSTRUCTION WATER. THE PERMIT SHALL BE APPROVED BY THE CALFIRE/COUNTY'S FIRE DEPARTMENT.
16. DISCREPANCIES BETWEEN COORDINATES, BEARINGS AND LENGTHS, AND STATIONING SHALL BE RESOLVED IN THE FOLLOWING ORDER OF PRECEDENCE:
 1. COORDINATES
 2. BEARINGS AND LENGTHS
 3. STATIONING - STATIONING IS BASED ON CONSTRUCTION BASELINE.
17. IN ALL LOCATIONS WHERE TRENCH PLATE IS USED ON THIS PROJECT THE CONTRACTOR SHALL SUPPLY SKID RESISTANT COATING ON THE TRENCH PLATE AND COLD-MIX A.C. AT THE EDGES. TRENCH PLATES SHALL BE NOTCHED INTO AC PAVING, WEDGED, AND SHIMMED TO PREVENT SLIPPAGE AND ROCKING UNDER TRAFFIC.
18. MECHANICAL CONSTRUCTION EQUIPMENT USED ON THIS PROJECT SHALL BE SELECTED TO MINIMIZE DAMAGE TO THE EXISTING PAVEMENT ALONG THE PROJECT SITE. THE CONTRACTOR SHALL REPLACE DAMAGED AC PAVEMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO THE COUNTY.
19. SANITARY SEWER INSTALLATION MAY REQUIRE CURB, GUTTER AND SIDEWALK, AND CONCRETE V-DITCH/VALLEY GUTTER REMOVAL AND REPLACEMENT. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN THE APPROPRIATE BID ITEM(S).
20. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL SURPLUS EXCAVATION MATERIAL AND DEBRIS PROMPTLY FROM THE SITE AND SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION. CONTRACTOR SHALL OBTAIN ALL NECESSARY FILL AND GRADING PERMITS.
21. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, AND DISTRICT LAWS AND ORDINANCES RELATING TO THE SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, THE SHORING OF TRENCHES, VENTILATORS OF CONFINED SPACES, CONFORMANCE TO TRAFFIC CONTROL REQUIREMENTS INCLUDING THE PROVISION AND MAINTENANCE OF BARRICADES AND THE PREPARATION AND IMPLEMENTATION OF TRAFFIC CONTROL PLANS AS REQUIRED.
22. PIPE LENGTHS ARE THROUGH MANHOLE AS INDICATED. STATIONING IS ALONG THE CONSTRUCTION BASELINE.
23. THE CONTRACTOR SHALL ABIDE BY ALL PROJECT PERMITS OBTAINED BY THE COUNTY. SEE SPECIFICATIONS SECTION 01060.
24. THE CONTRACTOR SHALL OBTAIN CONSTRUCTION PERMITS FROM REGULATORY, UTILITY, AND ANY OTHER AGENCIES REQUIRING PERMITTING FOR THIS CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE A WRITTEN SIGNED RELEASE FROM EACH AGENCY UPON COMPLETION OF CONSTRUCTION.
25. ALL DEWATERING WATER SHALL BE DISCHARGED IN ACCORDANCE WITH RWQCB, AND COUNTY OF SAN LUIS OBISPO PERMIT REQUIREMENTS INCLUDING DESILTING, AND ONLY TO APPROVED DISCHARGE LOCATIONS. DEWATERING WELLS SHALL BE ABANDONED ACCORDING TO RWQCB, AND COUNTY OF SAN LUIS OBISPO REQUIREMENTS.
26. CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING STORM DRAIN FACILITIES AT ALL TIMES.
27. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PAVEMENT AT ALL TIMES.
28. CONTRACTOR SHALL BACKFILL TRENCH TO GRADE AND/OR TRAFFIC PLATE AT THE END OF EACH DAY.
29. CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER SERVICE AT ALL TIMES. PROVIDE BYPASS PUMPING FACILITIES INCLUDING STANDBY PUMPS AND GENERATORS. EXISTING SEPTIC TANK SYSTEMS SHALL BE MAINTAINED UNTIL THE NEW SANITARY SEWER SYSTEM IS READY FOR LATERAL CONNECTIONS TO BE MADE.
30. PROVIDE K-RAIL AND CHAINLINK FENCING AROUND ALL TUNNEL ACCESS PITS. K-RAIL AND FENCE SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS. PROVIDE BARRICADES WITH FLASHING LIGHTS AT EACH PIT LOCATION.
31. CONTRACTOR SHALL IDENTIFY EXISTING SURVEY MONUMENTS THAT WILL BE IMPACTED BY CONSTRUCTION. CONTRACTOR SHALL REESTABLISH MONUMENTS WITH RECORD OF SURVEY.
32. AERIAL PHOTOS USED TO PREPARE SURFACE FEATURES SHOWN ON PLANS WERE TAKEN IN 1995 AND MAY NOT ACCURATELY DEPICT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE COSTS IN HIS BID THEREFOR.
33. ALL SEWERS SHALL STRICTLY CONFORM TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.
34. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE WORKING AROUND GAS, FIBER OPTIC AND ELECTRIC UTILITIES.
35. CONTRACTOR SHALL MONITOR GROUND SURFACE AND UNDERGROUND UTILITIES FOR THE PRESENCE OF TUNNEL SLURRY OR EVIDENCE OF HYDROFRACTURE AT ALL TIMES DURING TUNNEL ACTIVITIES ALONG ENTIRE TUNNELED ALIGNMENT.
36. LOW OVERHEAD ELECTRICAL AND TELEPHONE LINES ARE PRESENT IN THE PROJECT AREA. MAJORITY OF LINES ONLY PROVIDE 8 TO 10 FEET OF CLEARANCE FROM GROUND SURFACE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE WORKING AROUND OVERHEAD UTILITIES.
37. BORE AND RECEIVING PITS SIZING SHALL BE DETERMINED BY CONTRACTOR AND SHALL BE SOLID SHEETED WITH CONTINUOUSLY INTERLOCKED SHEET PILES.
38. CONTRACTOR SHALL MAINTAIN TRAFFIC AND ACCESS PER THE TRAFFIC CONTROL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE COUNTY OF SAN LUIS OBISPO.
39. PROPERTY LINES SHOWN ARE APPROXIMATE.
40. STREET RESTORATION SHALL INCLUDE REPLACEMENT OF CONCRETE VEE-DITCH/VALLEY GUTTER WHEN REMOVED FOR OR DAMAGED BY CONSTRUCTION.
41. THESE DESIGN DRAWINGS AND RESPECTIVE SPECIFICATIONS HAVE BEEN DEVELOPED BASED ON THE BASIS OF DESIGN REPORT DATED OCTOBER 24, 2011, AND ACCEPTED/APPROVED BY THE SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS ON NOVEMBER 15, 2011.
42. REFERENCE MADE TO SHEETS THAT BEGIN WITH PREFIXES PS-, B-, OR C- ARE NIC. REFERENCES ARE MADE FOR INFORMATION ONLY.
43. ELECTRICAL CONDUIT AND MANHOLES ALONG PIPE LINE GENERAL NOTES:
 1. REFER TO SPECIFICATION 16800 - FIBER OPTIC AND POWER CONDUITS ALONG PIPELINES.
 2. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT QUANTITY AND SIZES.
 3. REFER TO ELECTRICAL DRAWINGS FOR MANHOLE SIZES.
 4. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT TERMINATION LOCATION AT POCKET PUMP STATIONS, SUBMERSIBLE PUMPS STATIONS, STANDBY POWER BUILDINGS, ELECTRICAL EQUIPMENT AREAS, AND OTHER PANELS.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: MDM
 DATE: MARCH, 2012

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LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL NOTES

PROJECT No.42502-B3120
 FILE NAME: D-G-010
 SHEET NO.
D-G-010

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A	B	C	D	E	F	G	H	I	J	K	L
<p>STRUCTURE OR FACILITY</p> <p>EXISTING STRUCTURE OR FACILITY</p> <p>FUTURE STRUCTURE OR FACILITY</p> <p>EARTH</p> <p>GRAVEL/DRAINROCK/AGGREGATE BASE (IN SECTION)</p> <p>ASPHALT CEMENT PAVING</p> <p>CONCRETE PAVING</p> <p>GRAVEL PAVING</p> <p>EARTH (IN SECTION)</p> <p>COMPACTED EARTH (IN SECTION)</p> <p>CONCRETE CURB</p> <p>CONCRETE CURB AND GUTTER</p> <p>DROP INLET CATCH BASIN</p> <p>CURBSIDE DROP INLET CATCH BASIN WITH LOCAL DEPRESSION</p> <p>SIDE INLET CATCH BASIN WITH LOCAL DEPRESSION</p> <p>CONCRETE WALK</p> <p>DRIVEWAY / ACCESS RAMP</p>		<p>PIPE IN SECTION</p> <p>CL OR C CENTERLINE</p> <p>PL OR P PROPERTY LINE</p> <p>R/W RIGHT-OF-WAY LINE</p> <p>ESMT EASEMENT LINE</p> <p>TEMP ESMT TEMPORARY EASEMENT LINE</p> <p>FOR GRAVITY PLAN AND PROFILE ONLY</p> <p>NEW SANITARY SEWER</p> <p>NEW SANITARY SEWER MANHOLE</p> <p>NEW FIBER OPTIC/ELECTRICAL CONDUIT</p> <p>EXISTING SANITARY SEWER MANHOLE</p> <p>EXISTING STORM DRAIN AND MH</p> <p>EXISTING BURIED TELEPHONE</p> <p>EXISTING GAS LINE W/VALVE</p> <p>EXISTING WATER LINE W/VALVE AND FIRE-HYDRANT</p> <p>PLUG & ABANDON EXIST SANITARY SEWER, SEWER AND MANHOLE SHALL BE FILLED WITH GROUT</p> <p>STATE OF CALIFORNIA RIGHT OF WAY ACCESS CONTROLLED AREA</p> <p>EXIST FIBER OPTIC</p> <p>EXIST STORM DRAIN</p> <p>EXIST SANITARY SEWER</p> <p>EXIST BURIED ELECTRICAL</p> <p>EXIST TELEPHONE</p> <p>CENTER LINE</p> <p>EXIST GAS</p> <p>EXIST TRAFFIC SIGNAL</p> <p>FENCE (NEW)</p> <p>FENCE (EXISTING)</p> <p>WATER COURSE</p> <p>TRAIL OF DIRT ROAD</p> <p>MAJOR CONTOUR LINE (NEW)</p> <p>MAJOR CONTOUR LINE (EXISTING)</p> <p>VEGETATION</p> <p>POWER POLE</p> <p>GRINDER PUMP</p>		<p>HORIZONTAL/VERTICAL CONTROL</p> <p>BENCH MARK</p> <p>COORDINATE TICK MARK</p> <p>STREET LIGHT W/POLE</p> <p>TRAFFIC SIGNAL W/POLE</p> <p>SOIL BORING</p> <p>POTHOLE LOCATION</p> <p>FOR FORCE MAIN/RECYCLE WATER MAIN PLAN AND PROFILE ONLY</p> <p>CAV OR PRESSURIZED CO IN PLAN</p> <p>CAV IN PROFILE</p> <p>BOV IN PLAN</p> <p>BOV OR PRESSURIZED CO IN PROFILE</p>		<p>FOR PUMP STATION ONLY</p> <p>GATE VALVE</p> <p>BUTTERFLY VALVE</p> <p>CAPPED END OR PLUGGED END</p> <p>BLIND FLANGE</p> <p>REDUCER OR INCREASER</p> <p>PIPE CALLOUT</p> <p>EQUIPMENT NUMBER</p>		<p>SECTION AND DETAIL IDENTIFICATION</p> <p>SECTION IDENTIFICATION</p> <p>SECTION LETTER</p> <p>SHEET ON WHICH SECTION IS SHOWN</p> <p>SHEET ON WHICH SECTION IS CUT</p> <p>DETAIL IDENTIFICATION</p> <p>DETAIL NUMBER</p> <p>SHEET ON WHICH DETAIL IS SHOWN</p> <p>SHEET ON WHICH DETAIL IS CALLED-OUT</p> <p>STANDARD DETAIL IDENTIFICATION</p> <p>DETAIL NUMBER</p> <p>STANDARD DETAILS ARE LOCATED ON DISCIPLINE GENERAL SHEETS, IN NUMERICAL ORDER</p> <p>ELEVATION IDENTIFICATION</p> <p>ELEVATION NUMBER</p> <p>SHEET ON WHICH ELEVATION IS SHOWN</p> <p>SHEET ON WHICH ELEVATION IS CALLED-OUT</p> <p>PIPING IDENTIFICATION</p> <p>PIPE DIAMETER</p> <p>FLUID ABBREVIATION</p>			

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
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LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL SYMBOLS


PROJECT NO. 42502-83120
 FILE NAME: D-G-011
 SHEET NO.
D-G-011

A	B	C	D	E	F	G	H	I	J	K	L
A/C AASHTO	AIR AIR CONDITIONING AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	COORD COR COTG CPLG CPVC CS CSP CTS CTR CTS CTSK CU CULV CY CYL	COORDINATE CORNER CLEANOUT TO GRADE COUPLING CHLORINATED POLYVINYL CHLORIDE CAUSTIC SODA / CAST STEEL CORRUGATED STEEL PIPE CURRENT SPRAIN TEST STATION CERAMIC TILE CENTER CORROSION TEST STATION COUNTERSUNK COPPER / CUBIC CULVERT CHECK VALVE CUBIC YARD CYLINDER	FOS FOW FPC FPM FPS FPTS FR FRP FS FT FTG FUR FUT FV FWD	FACE OF STUDS FACE OF WALL FLEXIBLE PIPE COUPLING FEET PER MINUTE FEET PER SECOND FOREIGN PIPE TEST STATION FRAME FIBERGLASS REINFORCED PLASTIC FINISHED SURFACE / FARSIDE / FLOOR SINK / FORGED STEEL / FROTH SPRAY FEET / FOOT FOOTING FURRING FUTURE FIELD VERIFY FORWARD	LOL LONG LP LT LTS LW LWL LWR	LAYOUT LINE LONGITUDINAL LOW POINT / LOW PRESSURE / LAMP POST LEFT LIGHT LIME TREATED SOIL LOW WATER LOW WATER LEVEL LOWER	PP PPD PPH PPM PR PRC PRCT PREFAB PRESS PROF PRV	POWER POLE / POLYPROPYLENE / PLAN AND PROFILES POUNDS PER DAY POUNDS PER HOUR POUNDS PER MINUTE PAIR POINT OF REVERSE CURVE PRECAST PREFABRICATED PRESSURE PROFILE PRESSURE REGULATING, RELIEF OR REDUCING VALVE POINT OF REVERSE VERTICAL CURVE PRESSURE SWITCH POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ABSOLUTE POUNDS PER SQUARE INCH GAUGE POINT OF TANGENCY / PAINT / PRESSURE TREATED POLYTETRAFLUOROETHYLENE (TEFLON) PLUG VALVE POLYVINYL CHLORIDE POLYVINYLIDENE FLUORIDE (KYNAR)	T T&B T&G TAN TB TBE TBM TC TCV TEL TEMP TF TH THK THR THR'D TK TL TOC TOE TOL TOM TOS TOW TR TRACT TRANS TS TSB TSC TTC TYP	THERMOSTAT / TREAD OF STAIR / TANGENT / TOP TOP AND BOTTOM TONGUE AND GROOVE TANGENT TACK BOARD THREAD BOTH ENDS TEMPORARY BENCH MARK TOP OF CURB TEMPERATURE CONTROL VALVE TELEPHONE TEMPERATURE / TEMPORARY TOP OF FOOTING TEST HOLE THICK / THICKNESS THRESHOLD THREADED TANK / TACK TRAVERSE LINE TOP OF CONCRETE THREAD ONE END TOILET TOP OF MASONRY TOP OF PIPE TOPOGRAPHIC TOP OF STEEL TOP WALL TELEPHONE POLE TRACT TRANSMITTER / TRANSITION / TRANSMISSION TRAFFIC SIGNAL TOP SET BASE TRAFFIC SIGNAL CONDUIT THERMOSTATIC VALVE / TELEVISION THERMOMETER WELL / TRAVELED WAY TYPICAL

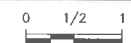
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REUSE OF DOCUMENTS: Creek/G/area A & D D-G-012 03/12/12 07:58 bullechl XRES: LosOsos-Bar, X-GEN-ABBREVS, CA-MDM


DESIGNED BY: BJC
DRAWN BY: JAW
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LOS OSOS WASTEWATER COLLECTION SYSTEM

GENERAL ABBREVIATIONS

PROJECT No.42502-83120
FILE NAME: D-G-012
SHEET No.
D-G-012

TRAFFIC CONTROL PLANS FOR THE LOS OSOS WASTEWATER COLLECTION SYSTEM AREA D COUNTY OF SAN LUIS OBISPO, CALIFORNIA

WORK TO BE DONE

THE TRAFFIC CONTROL PLANS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, SPECIAL PROVISIONS, PROJECT SPECIFICATIONS, AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE COUNTY OF SAN LUIS OBISPO, CALIFORNIA.

STANDARD SPECIFICATIONS

1. STANDARDS AND SPECIFICATIONS, COUNTY OF SAN LUIS OBISPO (2011).
2. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2010 CALIFORNIA EDITION.
3. CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (2010).

STANDARD DRAWINGS

1. STANDARD CONSTRUCTION DRAWINGS, SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS (NOV. 2008).
2. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2010 CALIFORNIA EDITION.
3. CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS (2010).

GENERAL NOTES:

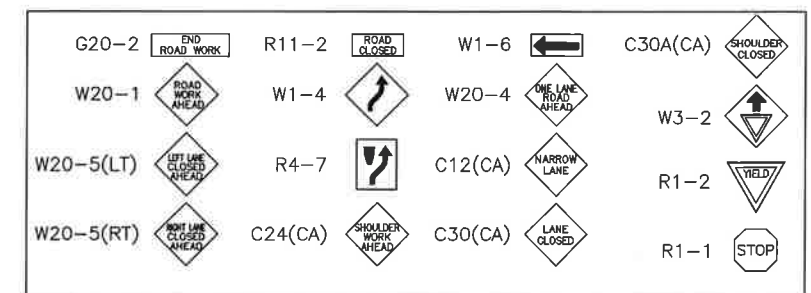
1. TRAFFIC CONTROL PLANS DO NOT SHOW ALL WORK REQUIRED TO BE COMPLETED. WORK NOT NECESSARY FOR TRAFFIC CONTROL MAY BE COMPLETED AT ANY TIME AND IS NOT SHOWN.
2. CONTRACTOR SHALL INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN, AS WELL AS ANY ADDITIONAL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED TO ENSURE THE SAFE MOVEMENT OF TRAFFIC AND PEDESTRIANS THROUGH OR AROUND THE CONSTRUCTION AREA AND TO PROVIDE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.
3. THE ENGINEER RESERVES THE RIGHT TO OBSERVE TRAFFIC CONTROL PLANS IN USE AND TO MAKE NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERCEDE THESE PLANS AND SHALL BE PROVIDED AT NO ADDITIONAL COST/TIME TO THE OWNER.
4. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION PHASE.
5. CONTRACTOR SHALL REPLACE OR REPAIR ALL DAMAGED STRIPING WITH TEMPORARY STRIPING OR RAISED PAVEMENT MARKERS AT THE END OF EACH WORKING DAY.
6. CONTRACTOR SHALL TEMPORARILY COVER OR REMOVE ALL CONFLICTING SIGNS.
7. ALL SIGNS, STRIPING, PAVEMENT MARKINGS, CHANNELIZERS, BARRICADES, TEMPORARY RAILING, TEMPORARY CRASH CUSHIONS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS.
8. ALL EXISTING SIGNING NOT IN CONFORMANCE WITH THE DETOUR PLANS SHALL BE COVERED FOR THE DURATION OF THE DETOUR. ALL EXISTING STOP SIGNS SHALL BE RELOCATED AS REQUIRED TO BE VISIBLE FROM ALL RELOCATED TRAFFIC LANES.
9. ALL EXISTING FACILITIES, INCLUDING SIGNING, STRIPING, SIGNS, MARKING, AND MARKERS NOT INDICATED TO BE REMOVED SHALL BE RESTORED TO THE ORIGINAL CONDITION AND/OR LOCATION AT THE END OF THE CONSTRUCTION PERIOD.
10. ALL TEMPORARY FACILITIES CONSTRUCTED FOR THE PURPOSES OF EACH DETOUR SHALL BE REMOVED AT THE COMPLETION OF THE CONSTRUCTION PERIOD.
11. CONSTRUCTION TRAFFIC CONTROL SHALL CONFORM TO THE LATEST MANUAL OF UNITOFM TRAFFIC CONTROL DEVICES (MUTCD), 2010 CALIFORNIA EDITION.
12. ALL STRIPING, MARKINGS, SIGNINGS, BARRICADES, AND MARKERS SHALL BE INSTALLED PER THE MUTCD, CALTRANS TRAFFIC MANUAL AND THE REQUIREMENTS OF THE COUNTY OF SAN LUIS OBISPO.
13. ALL ADVANCE WARNING SIGNS FOR DETOURS SHALL BE 48"x48" MINIMUM OR LARGER UNLESS OTHERWISE SPECIFIED.
14. ALL ADVANCE WARNING SIGNS SHALL BE REFLECTORIZED.
15. THE LOCATION OF ALL SIGNS SHOWN ARE ONLY APPROXIMATE AND THE EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. THE CONTRACTOR SHALL PROVIDE SAFE AND CONTINUOUS PASSAGE OF PEDESTRIANS, BICYCLE AND VEHICULAR TRAFFIC AT ALL TIMES.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, CONTINUAL MAINTENANCE AND THE REMOVAL OF TRAFFIC CONTROL DEVICES SPECIFIED IN THE MUTCD.
18. CONTRACTOR SHALL NOTIFY THE COUNTY TRAFFIC SIGNAL AND STREET LIGHTING SUPERVISOR FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION WITHIN 20 FEET OF EXISTING TRAFFIC SIGNAL DETECTOR LOOPS, CONDUITS, INTERCONNECTS, OR FIBER OPTIC CABLE.
19. ANY DAMAGE TO TRAFFIC SIGNAL DETECTOR LOOPS, CONDUITS, INTERCONNECTS, FIBER OPTIC CABLE OR COMMUNICATION CABLE SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THEIR OWN EXPENSE. REPAIR SHALL BE A COMPLETE REINSTALLATION OF NEW CONDUCTORS FOR THE ENTIRE LENGTH FROM THE TERMINAL CABINET. IN-LINE SPACING IS NOT ALLOWED, DELAYS IN REPAIR OF INTERCONNECT OR FIBER OPTIC CABLE WILL REQUIRE THE PAYMENT OF LIQUIDATED DAMAGES TO THE COUNTY OF SAN LUIS OBISPO, DEPARTMENT OF ENVIRONMENTAL AND PUBLIC WORKS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WET SANDBLASTING, TURBOBLASTING OR HYDROBLASTING OF CONFLICTING STRIPING AND PAVEMENT MARKINGS INCLUDING THE CLEANUP OF ALL RESULTING DEBRIS. COVERING OF EXISTING STRIPING WITH BLACK PAINT IS NOT PERMITTED.
21. ANY VEHICULAR OR PEDESTRIAN SIGNS THAT ARE OBSCURED, OR HAVE IMPAIRED OR REDUCED VISIBILITY, SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR UPON IDENTIFICATION AND NOTIFICATION OF THE COUNTY TRAFFIC ENGINEER.
22. A 2-FOOT MINIMUM CLEARANCE MUST BE MAINTAINED BETWEEN SURFACE-MOUNTED CHANNELIZERS AND THE LANE AT ALL TIMES. A MINIMUM 10-FOOT WIDE LANE IS REQUIRED ADJACENT TO CURBS, AND WHERE THERE ARE VERTICAL OBSTRUCTIONS.
23. THE CONTRACTOR SHALL INSTALL A 4-INCH SOLID WHITE RIGHT EDGE LINE (DETAIL 27B) AND A 4-INCH SOLID YELLOW LEFT EDGE LINE (DETAIL 25) OR MEDIAN ISLANDS (DETAIL 29) LOCATED AT A MINIMUM OF TWO FEET FROM THE EDGE OF A FENCE, CANOPY, OR K-RAIL TO DELINEATE THE EDGE OF TRAVELED ROADWAY. EDGE LINES MUST ALLOW FOR A MINIMUM 10-FOOT LANE BETWEEN EDGE LINE AND LANE OR CENTER LINE.
24. CONTRACTOR SHALL PROVIDE FLAGGERS FOR SINGLE LANE TRAFFIC CONTROL AND IN OTHER CASES IF NECESSARY FOR THE SAFE PASSAGE OF TRAFFIC. THE FLAGGER SHALL USE ONLY THE APPROVED OCTAGONAL STOP/SLOW PADDLE, SHALL WEAR AN ORANGE SAFETY VEST (REFLECTORIZED FOR NIGHT WORK) AND HARD HAT, AS REQUIRED BY THE CALTRANS CONSTRUCTION MANUAL, AND MUST BE PROPERLY TRAINED BY THE CONTRACTOR IN PERFORMING THE WORK SAFELY. APPROPRIATE ADVANCE SIGNS MUST ALSO BE INSTALLED, PER THE MUTCD AND THE CALTRANS TRAFFIC MANUAL.
25. ALL TRAFFIC SIGNAL CONTROLLER, SIGNAL STANDARDS, AND OTHER ASSOCIATED SIGNAL EQUIPMENT AND PULL BOXES MUST BE ACCESSIBLE AT ALL TIMES TO THE COUNTY'S TRAFFIC SIGNAL REPAIR (TSR) PERSONNEL. ALL FENCES MUST BE INSTALLED SUCH AS TO PERMIT ACCESS BY TSR PERSONNEL AT ALL TIMES.
26. THERE SHALL BE NO STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT OUTSIDE THE DESIGNATED WORK AREA AS INDICATED IN THE WORK SITE TRAFFIC PLANS. STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THE DESIGNATED AREA SHALL BE DONE IN A MANNER NOT TO CREATE VISIBILITY OBSTRUCTIONS TO THE MOTORING PUBLIC AS DETERMINED BY THE ENGINEER.
27. WHEN WORK IS NOT IN PROGRESS, CONTRACTOR SHALL PROVIDE TEMPORARY STRIPING IN AREAS WHERE EXISTING STRIPING HAS BEEN REMOVED.
28. THE NAME AND PHONE NUMBER (24 HOUR AVAILABILITY) OF THE CONTRACTOR'S SAFETY COORDINATOR AND TRAFFIC CONTROL DEVICE MAINTENANCE MONITOR WILL BE PROVIDED TO THE AUTHORITY AND THE COUNTY'S TRAFFIC ENGINEER AND ANY CHANGE IN ASSIGNED PERSONNEL OR PHONE NUMBER WILL BE REPORTED IMMEDIATELY TO AUTHORITY AND THE COUNTY'S TRAFFIC ENGINEER.
29. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION PHASE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE RESTORATION OF THE STRIPING, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES TO THE PERMANENT CONDITION USING CALTRANS APPROVED MATERIALS. THE COUNTY ENGINEER SHALL APPROVE THE CONTRACTORS STRIPING MARKOUT BEFORE THE FINAL INSTALLATION OF STRIPING BY THE CONTRACTOR. NOTIFY THE TRAFFIC ENGINEER TEN (10) WORKING DAYS PRIOR TO FINAL STRIPING INSTALLATION.
30. ALL DRIVEWAYS AND SIDE STREETS SHALL BE KEPT OPEN AT ALL TIMES EXCEPT WHEN CONSTRUCTION TAKES PLACE DIRECTLY IN FRONT OF DRIVEWAY OR SIDE STREET. ALL OPEN EXCAVATIONS ON PUBLIC STREETS SHALL BE BACK-FILLED OR STEEL-PLATED (TRAFFIC RATED, ANTI-SKID) FOR TRAFFIC OUTSIDE THE WORKING HOURS. TRAFFIC SHALL BE RESTORED TO NORMAL CONDITIONS OUTSIDE THE WORKING HOURS.
31. NOTIFY LOCAL FIRE DEPARTMENT, POLICE DEPARTMENT, AMBULANCE SERVICES AND TRASH SERVICES 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VARIOUS STAGE AREAS.
32. CONTRACTOR SHALL INSTALL C40A SIGNS (TRAFFIC FINES DOUBLED IN CONSTRUCTION AREA) ONE FOR EACH DIRECTION, AT THE BEGINNING OF EACH WORK ZONE.
33. FOR STREET DESIGNATIONS AND APPLICABLE SPECIFIC TRAFFIC CONTROL REQUIREMENTS, SEE SECTIONS 1.03 AND 1.04 OF THE PROJECT SPECIFICATIONS, SECTION 01571, TRAFFIC CONTROL.
34. ALSO SEE SPECIFICATIONS SECTION 01571 - TRAFFIC CONTROL FOR ADDITIONAL REQUIREMENTS.

LEGEND:

- | | |
|--|--|
| | CONSTRUCTION AREA |
| | FIRST ORDER OF WORK |
| | DIRT STOCKPILE |
| | TEMPORARY RAILING (TYPE K) WITH TRAFFIC SCREEN |
| | TEMPORARY CRASH CUSHION MODULES (ARRAY AS NOTED) |
| | ONE POST SIGN LOCATION |
| | SURFACE MOUNTED CHANNELIZER |
| | FLAGPERSON |
| | BARRICADE |
| | TYPE P MARKER |
| | CONSTRUCTION SIGN NUMBER |
| | TEMPORARY PAVEMENT DELINEATION DETAIL |
| | SIGNALIZED INTERSECTION |
| | DIRECTION OF TRAVEL |

CONSTRUCTION AREA SIGNS:

(MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2010 CALIFORNIA EDITION)



SCALE: NO SCALE

LOS OSOS WASTEWATER COLLECTION SYSTEM

AREA D TRAFFIC CONTROL PLAN
GENERAL NOTES, LEGEND
AND ABBREVIATIONS

PROJECT NO. 42502-83120

FILE NAME:

SHEET NO.

D-TC-001

DESIGNED BY: _____ RDH
DRAWN BY: _____ RDH
CHECKED BY: _____ DAD
DATE: _____ MARCH 2012

CDM Smith
2295 Gateway Oaks Drive, Suite 240
Sacramento, CA 95833
Tel: (916) 567-9200



0 1/2 1
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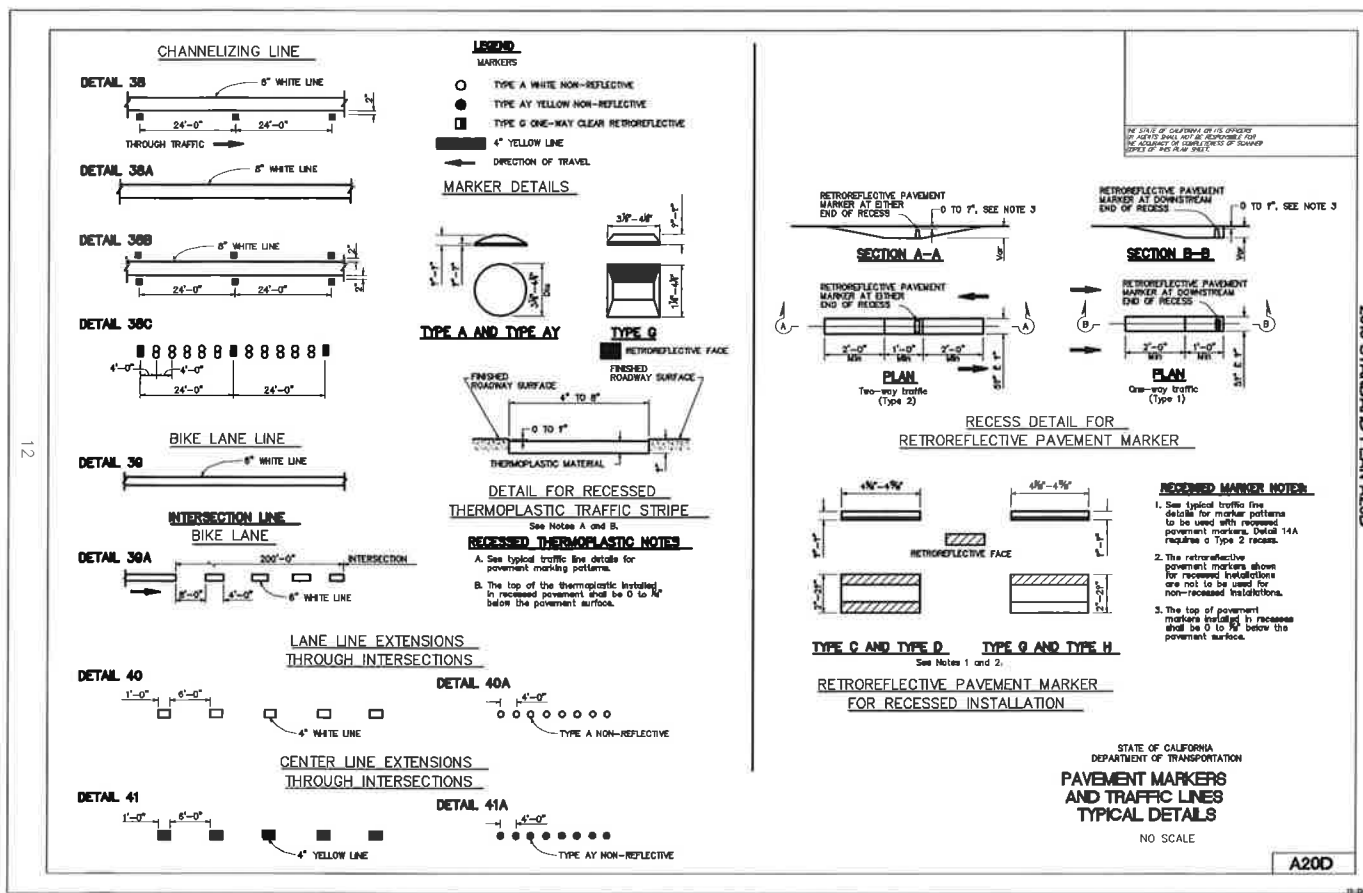
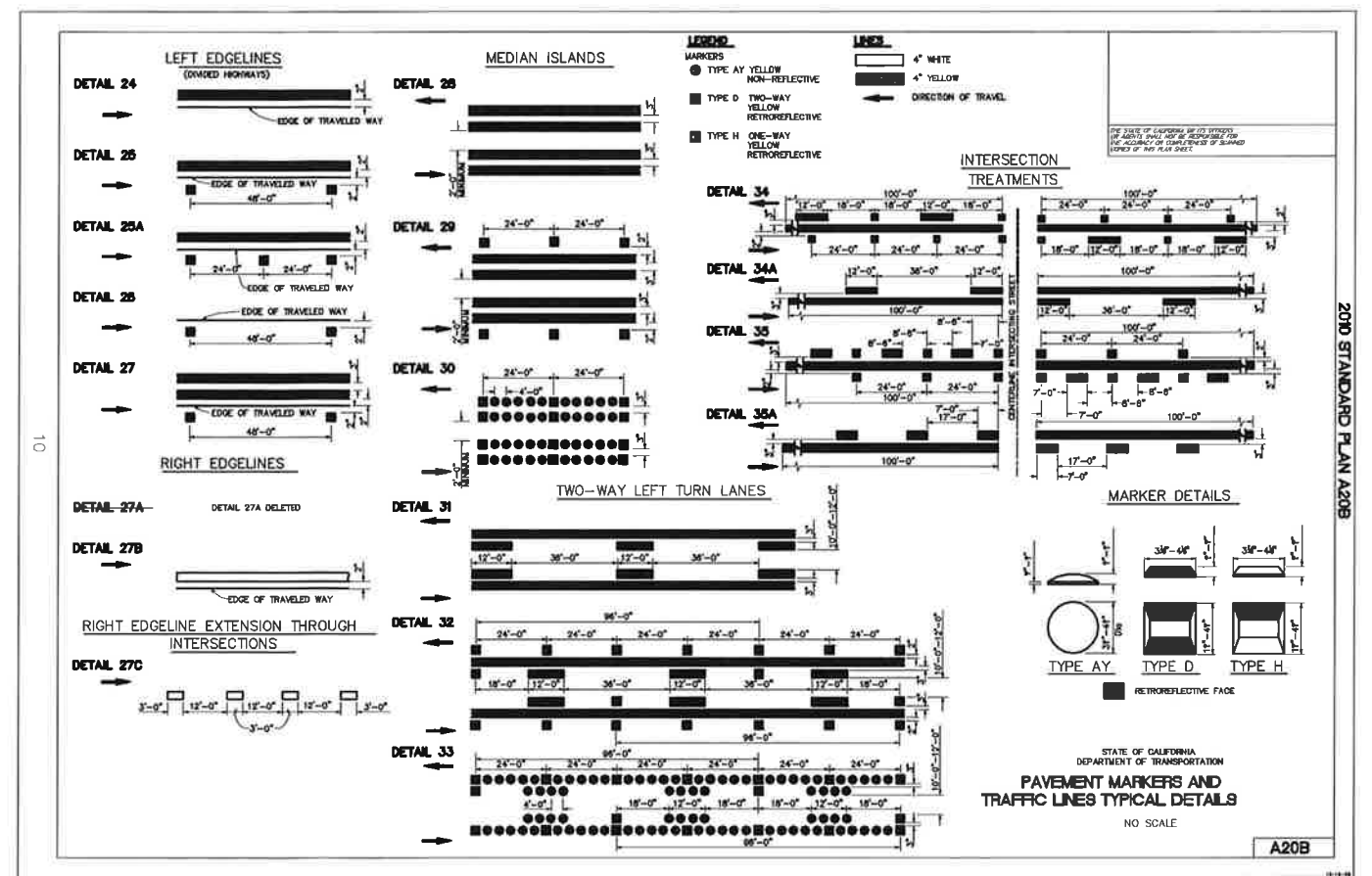
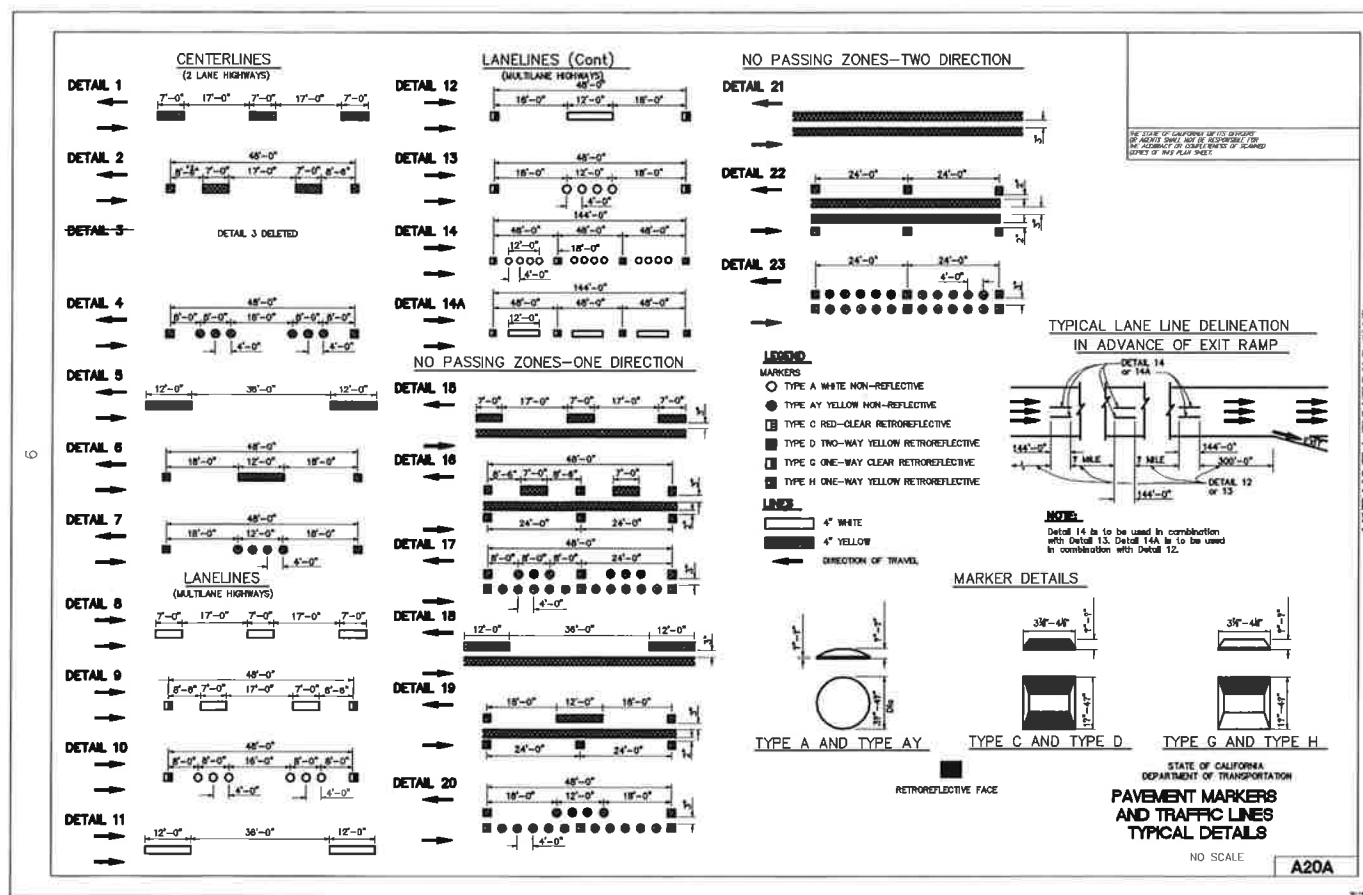
RICK GALT
ENGINEERING COMPANY
711 ALA MANRUEA ST., SUITE 110
SACRAMENTO, CALIFORNIA 95811
916.442.2255
R.GALT@RICKGALT.COM

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UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

REV. NO.	DATE	DRWN	CHKD	REMARKS

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N-UTL-SS N-FEAT-CRIB N-FEAT-PROF N-FEAT-NOX X-FEAT-ADOR
X-ONE-DR traffic.RICK X-FEAT-ADOR N-UTL-SS N-FEAT-CRIB N-FEAT-PROF N-FEAT-NOX X-FEAT-ADOR

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RDH
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 DATE: MARCH 2012

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 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-8900

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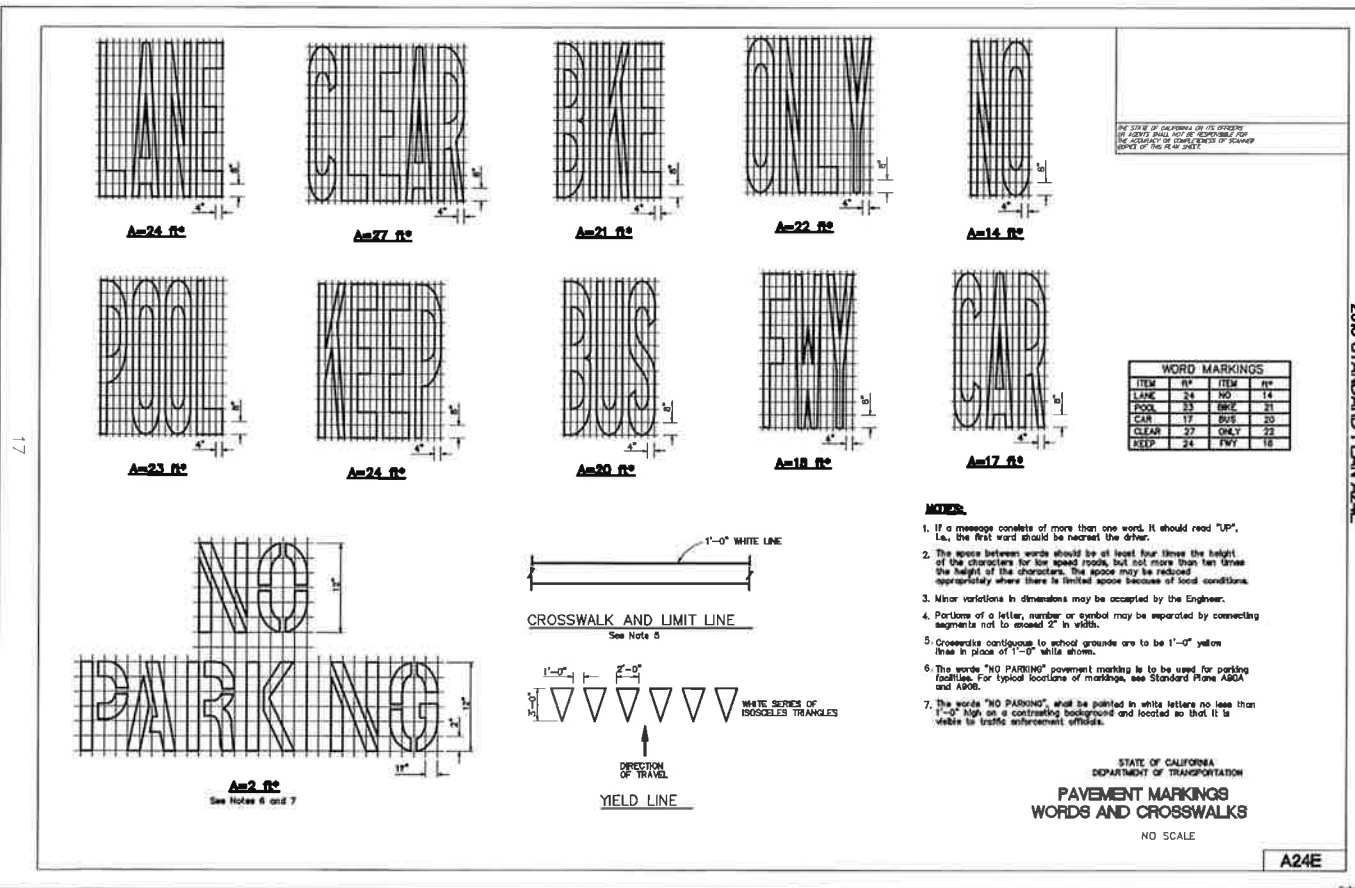
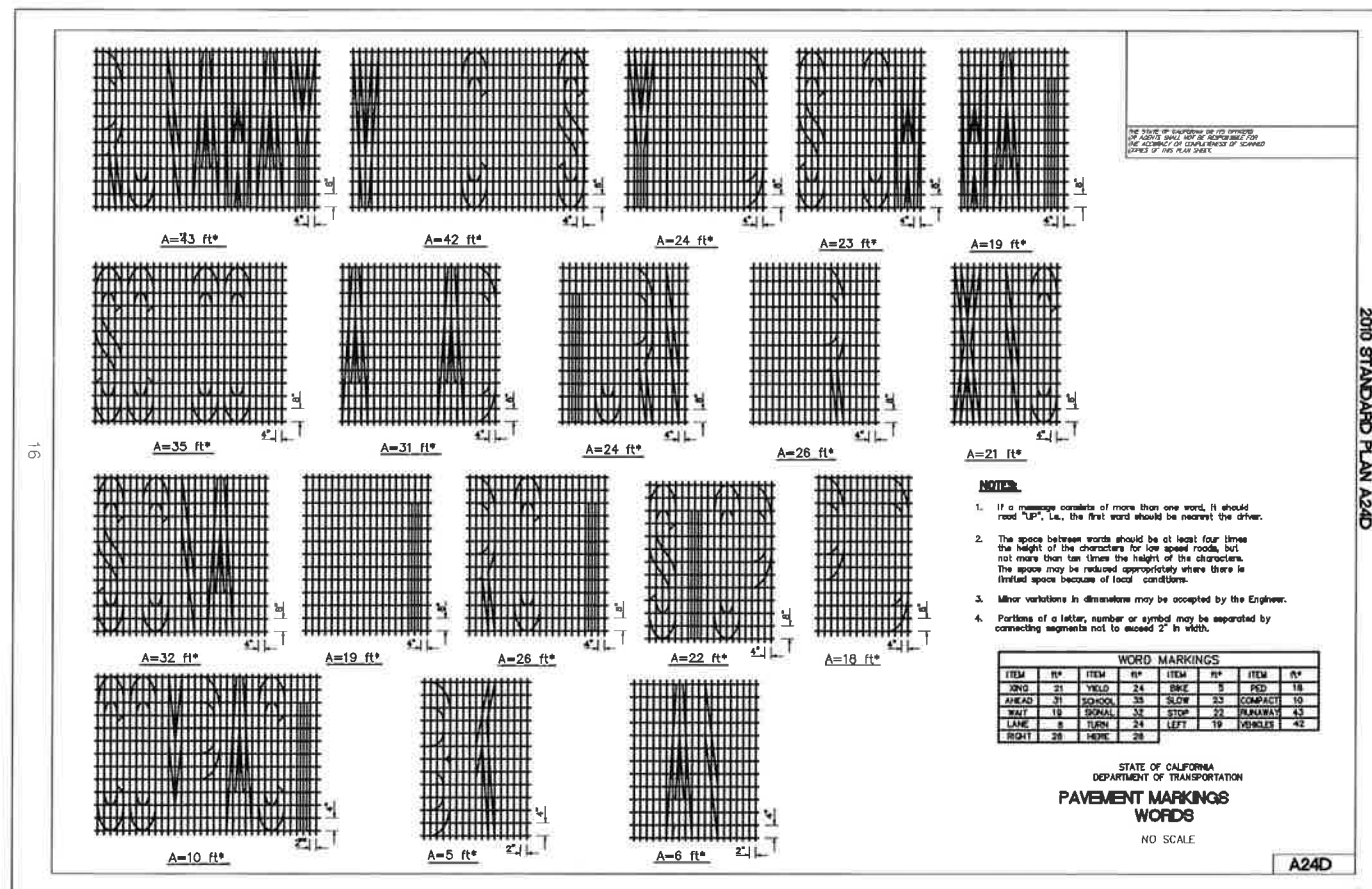
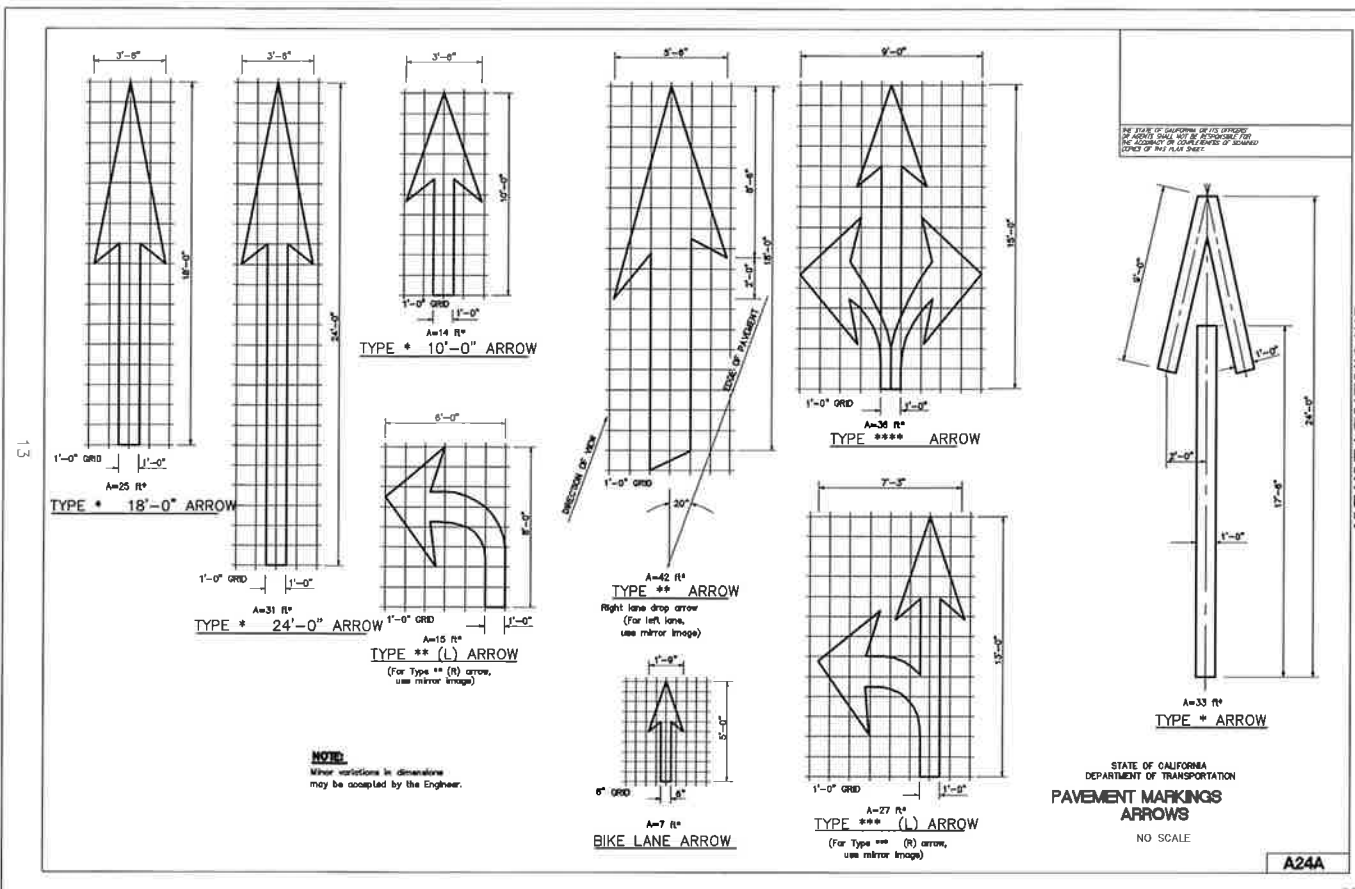
RICK
 ENGINEERING CONSULTANT
 2441 HANCOCK BLVD. SUITE 110
 SAN LUIS OBISPO, CA 94905
 (805) 441-0000
 FAX: (805) 441-0001

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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 PAVEMENT MARKERS AND TRAFFIC LINES

SCALE: NO SCALE
 PROJECT NO. 42502-83120
 FILE NAME:
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D-TC-002

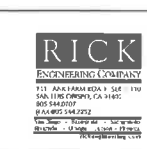
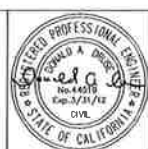
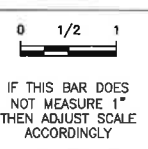
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 DESIGNED BY: RDH
 DRAWN BY: RDH
 CHECKED BY: DAD
 DATE: MARCH 2012



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RDH
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 CHECKED BY: DAD
 DATE: MARCH 2012

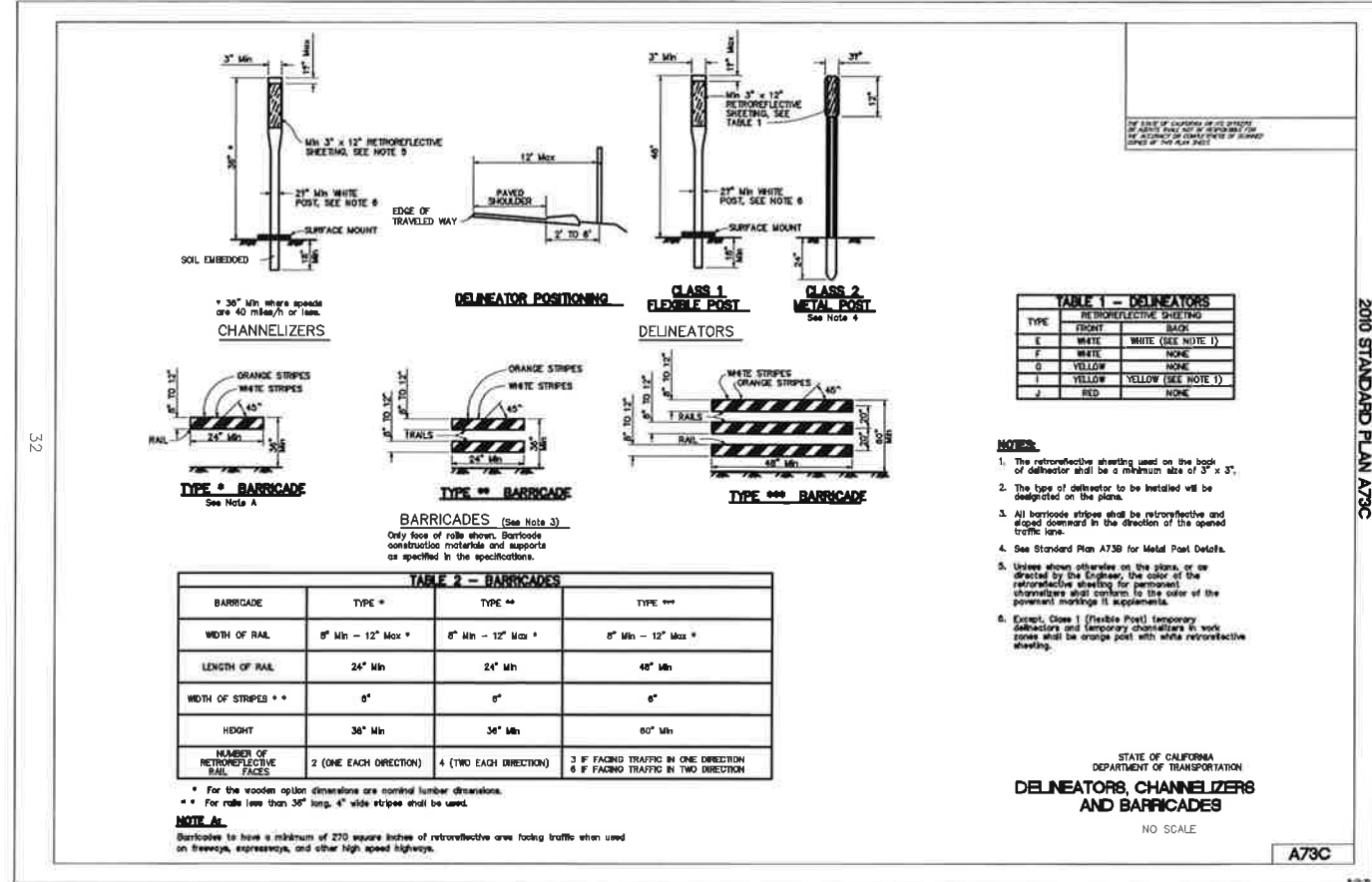
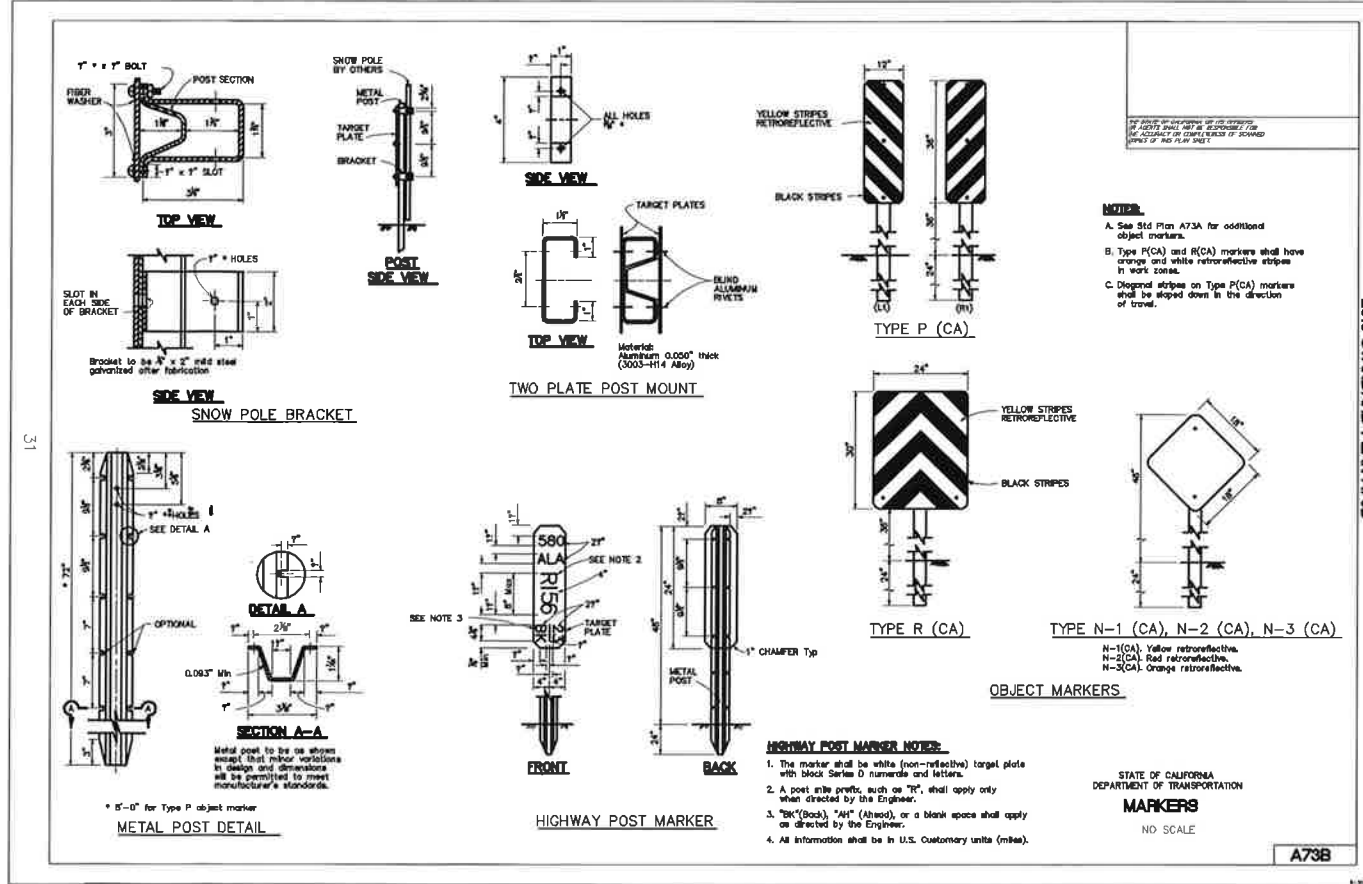
CDM Smith
 2295 Gateway Oaks Drive, Suite 240
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 Tel: (916) 567-9900



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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 PAVEMENT MARKINGS, ARROWS AND WORDS

SCALE: NO SCALE
 PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-003



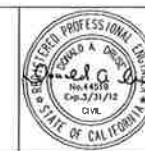
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ RDH
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RICK
 PROFESSIONAL CONSULTANT
 775 ANDERSON STREET, SUITE 112
 SAN FRANCISCO, CA 94102
 415.774.8100

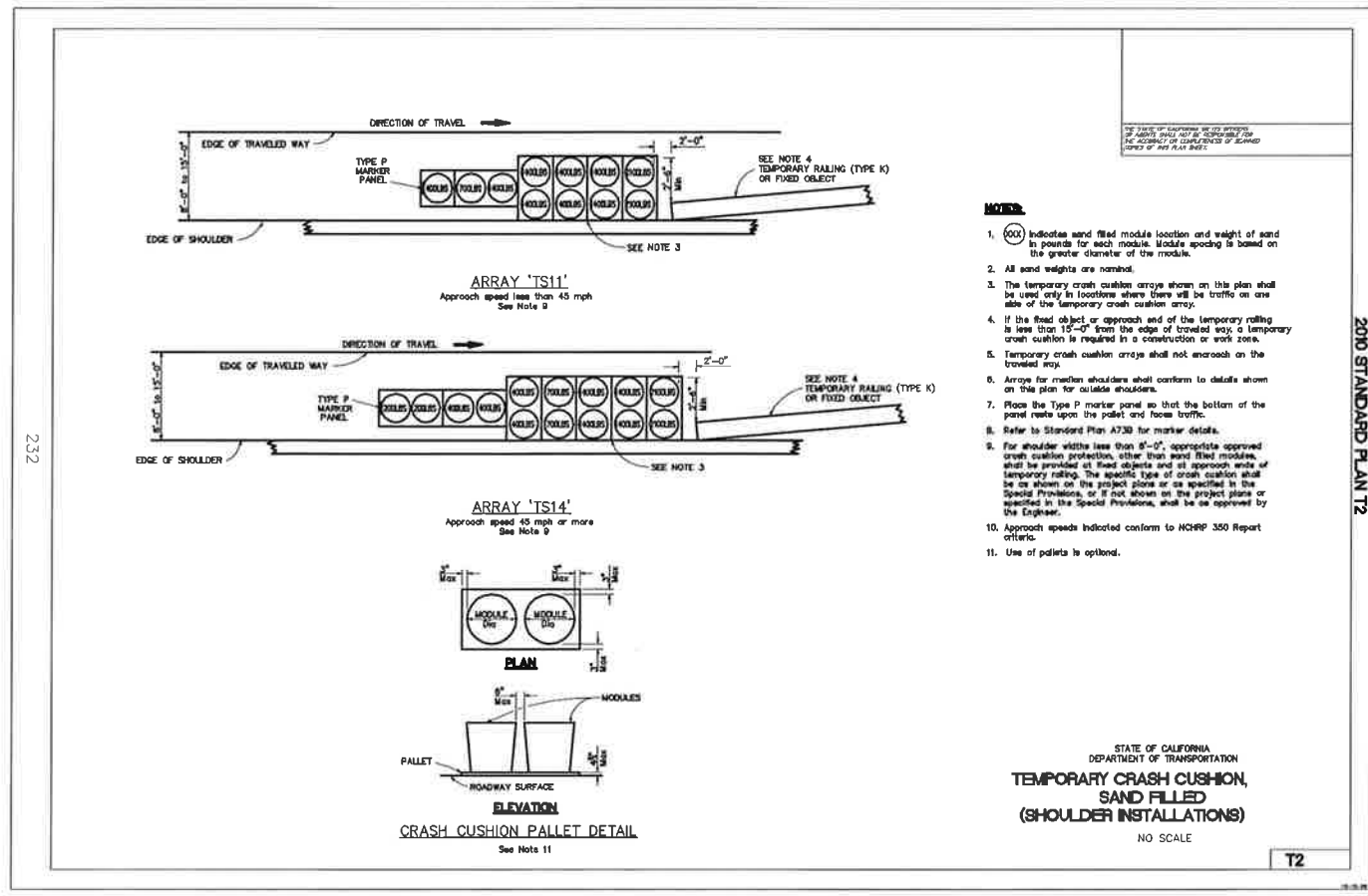
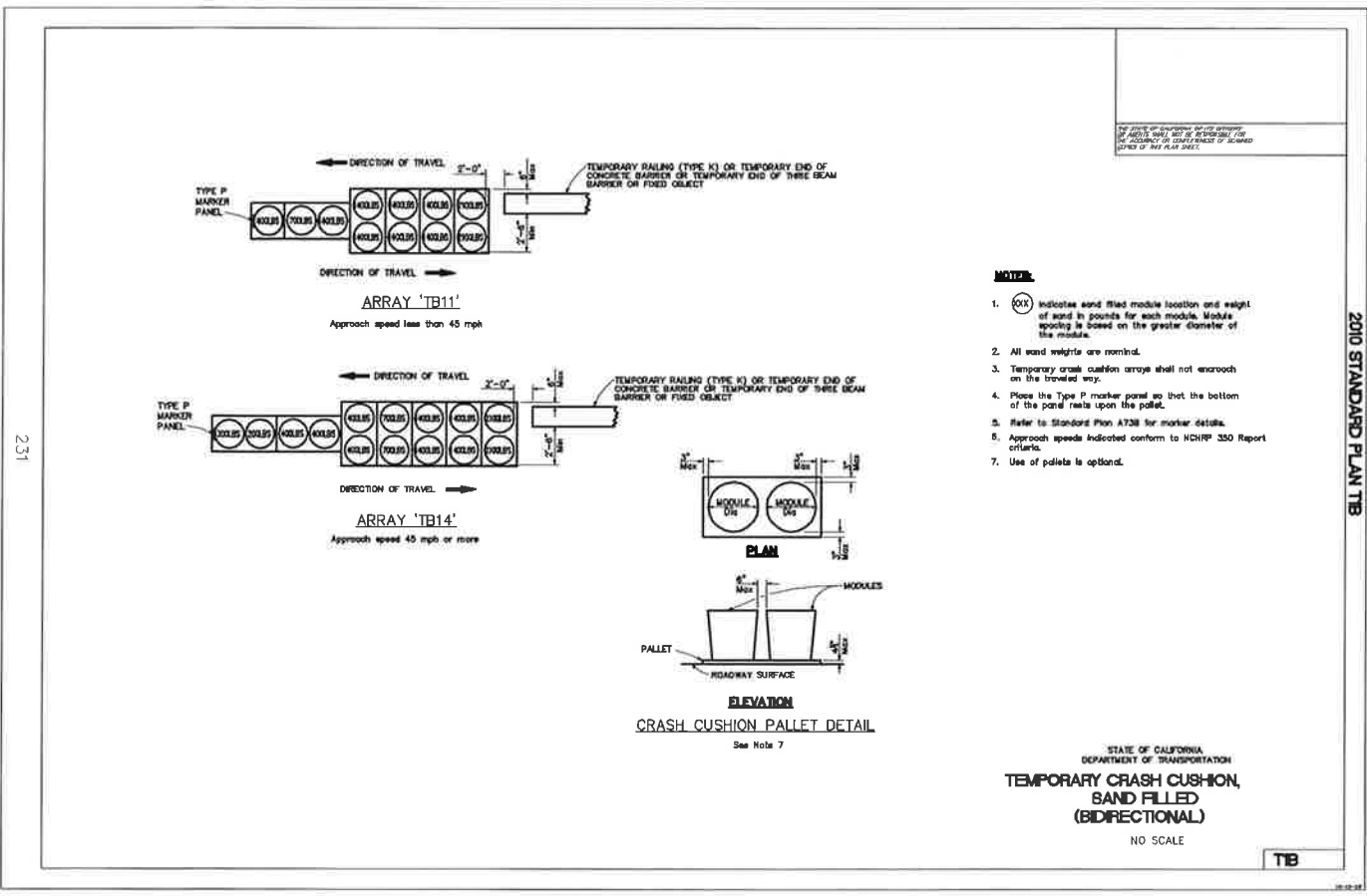


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 UNDERGROUND SERVICE ALERT OF BOTTLED WATER

LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 DELINEATORS, CHANNELIZERS AND BARRICADES

SCALE: NO SCALE
 PROJECT NO.42502-83120
 FILE NAME:
 SHEET NO.
D-TC-004

XREF: Los Osos-Inf 001b 002
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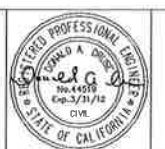
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ RDH
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 Sacramento, CA 95833
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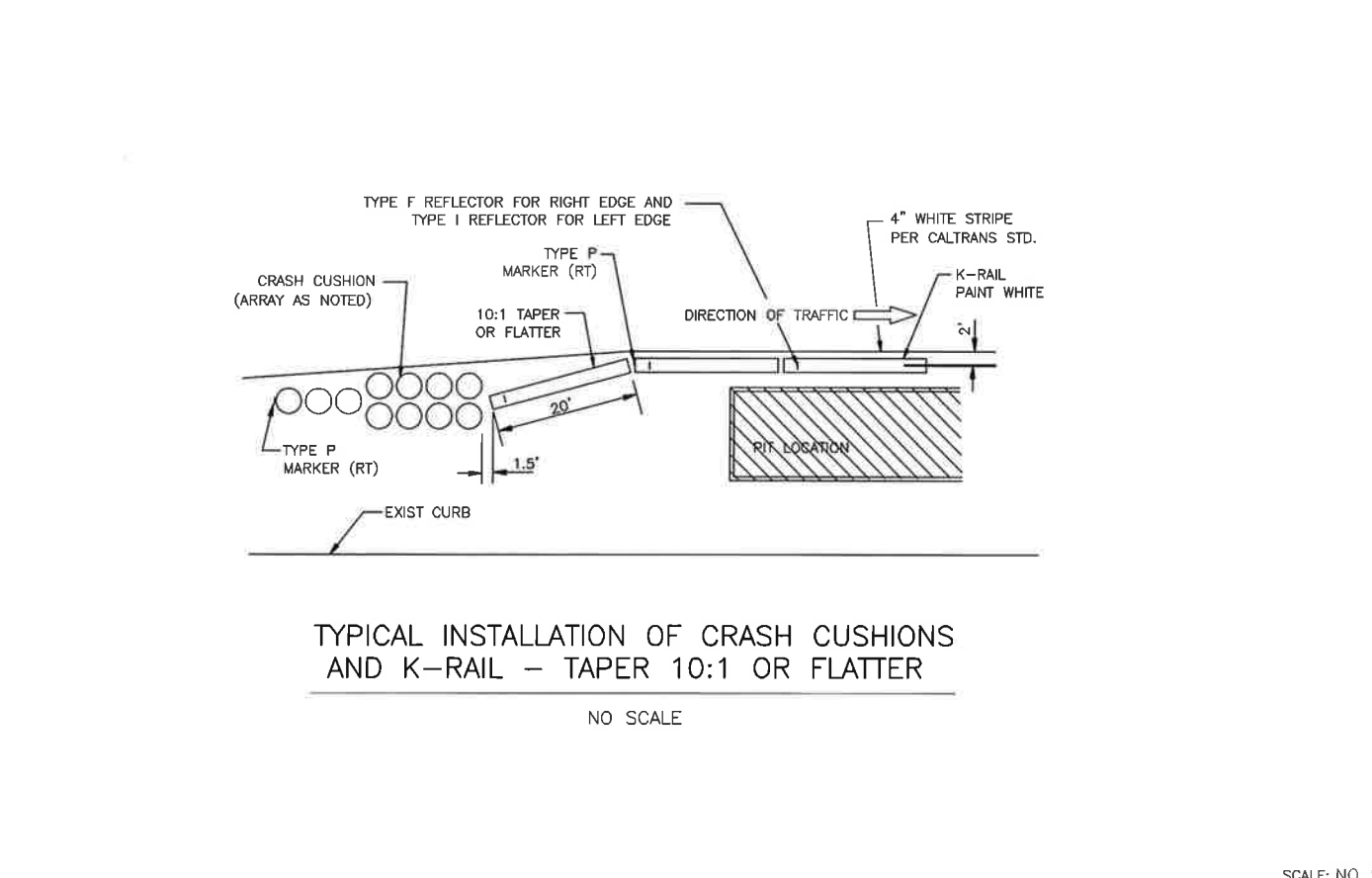
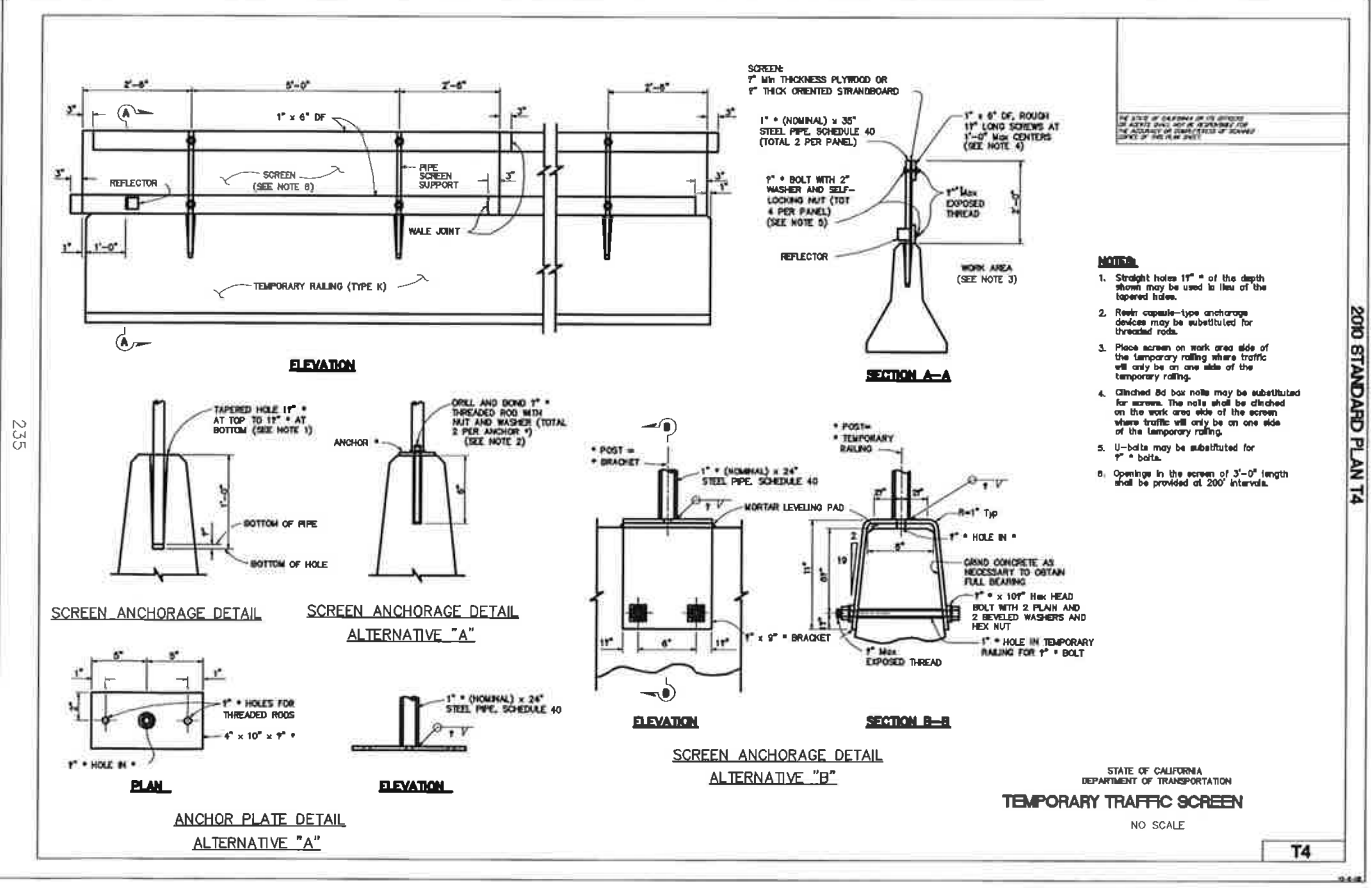
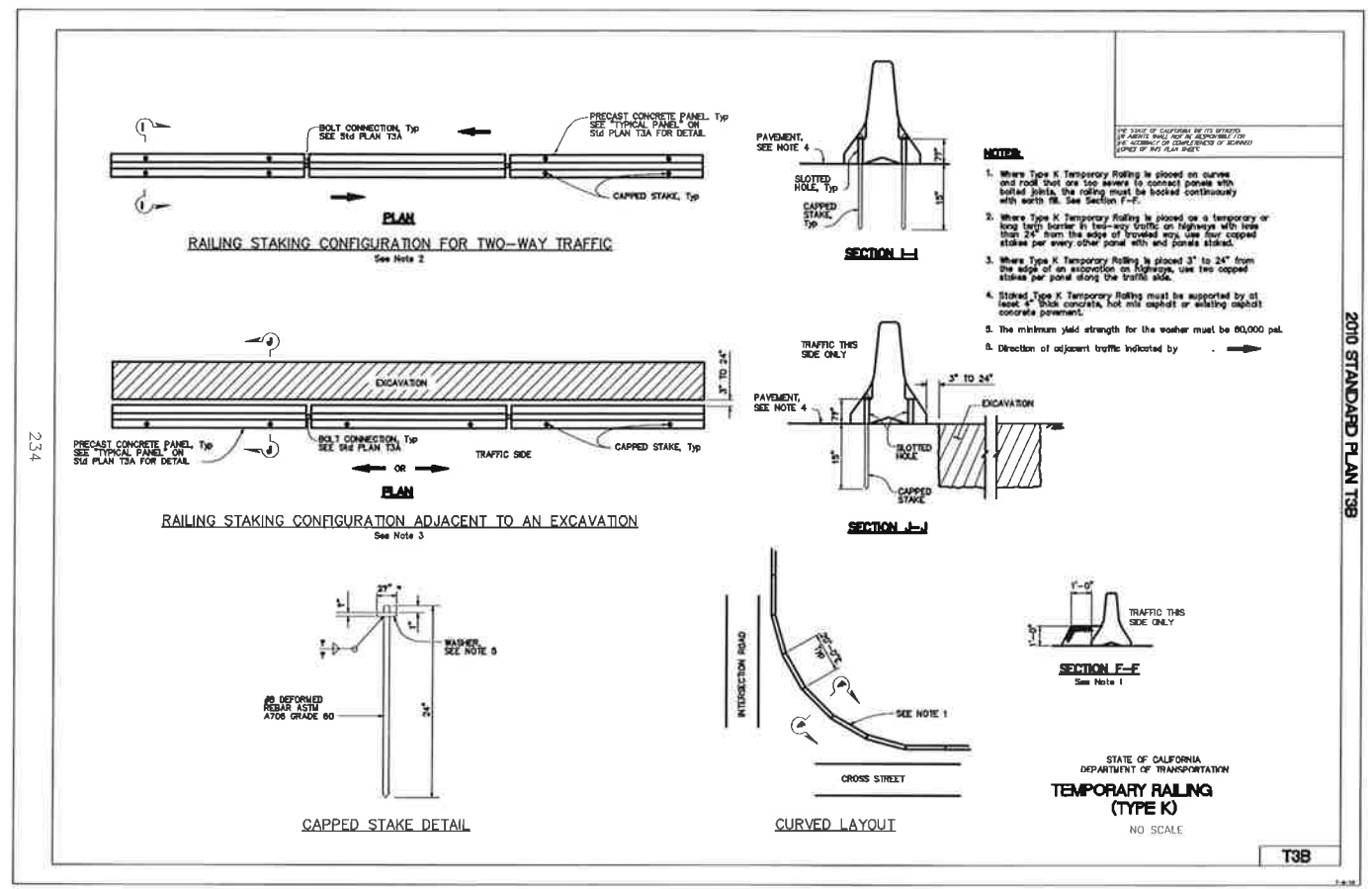
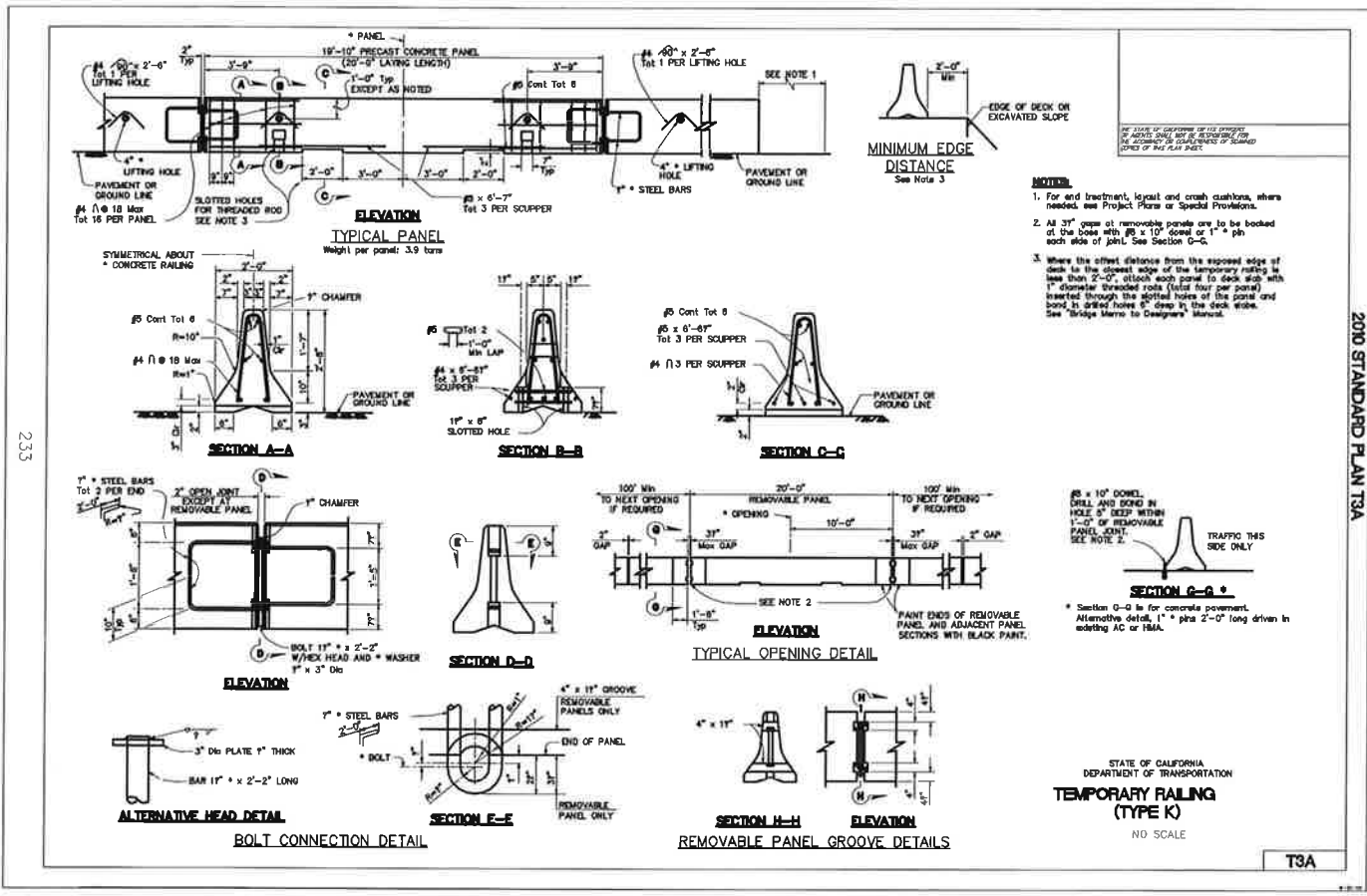


RICK
 ENGINEERING COMPANY
 111 ANNE STREET, SUITE 117
 SACRAMENTO, CA 95811
 TEL: (916) 444-2244
 FAX: (916) 444-2244

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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 CRASH CUSHIONS

SCALE: NO SCALE
 PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-005



REV. NO.	DATE	DRWN	CHKD	REMARKS

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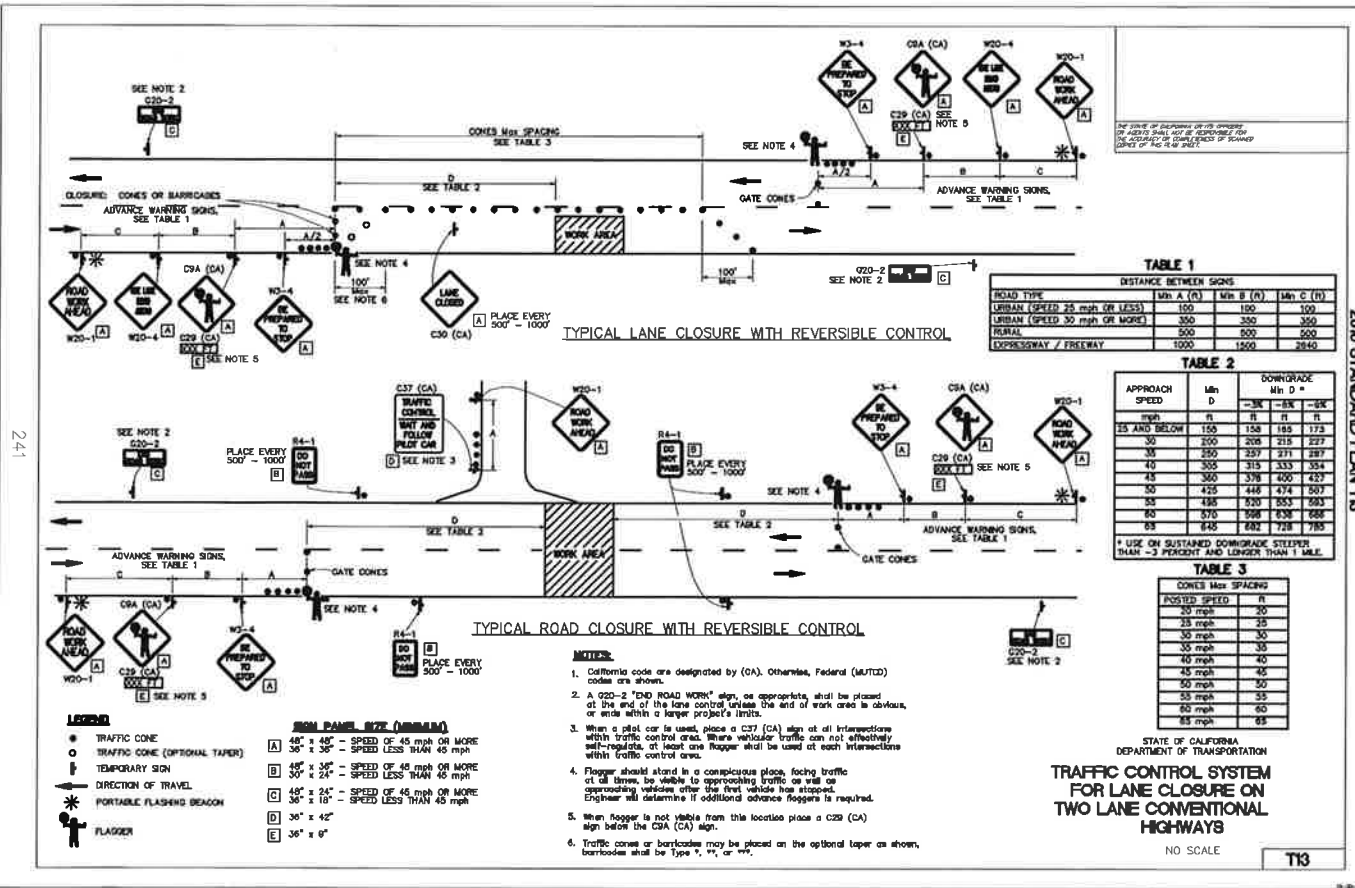
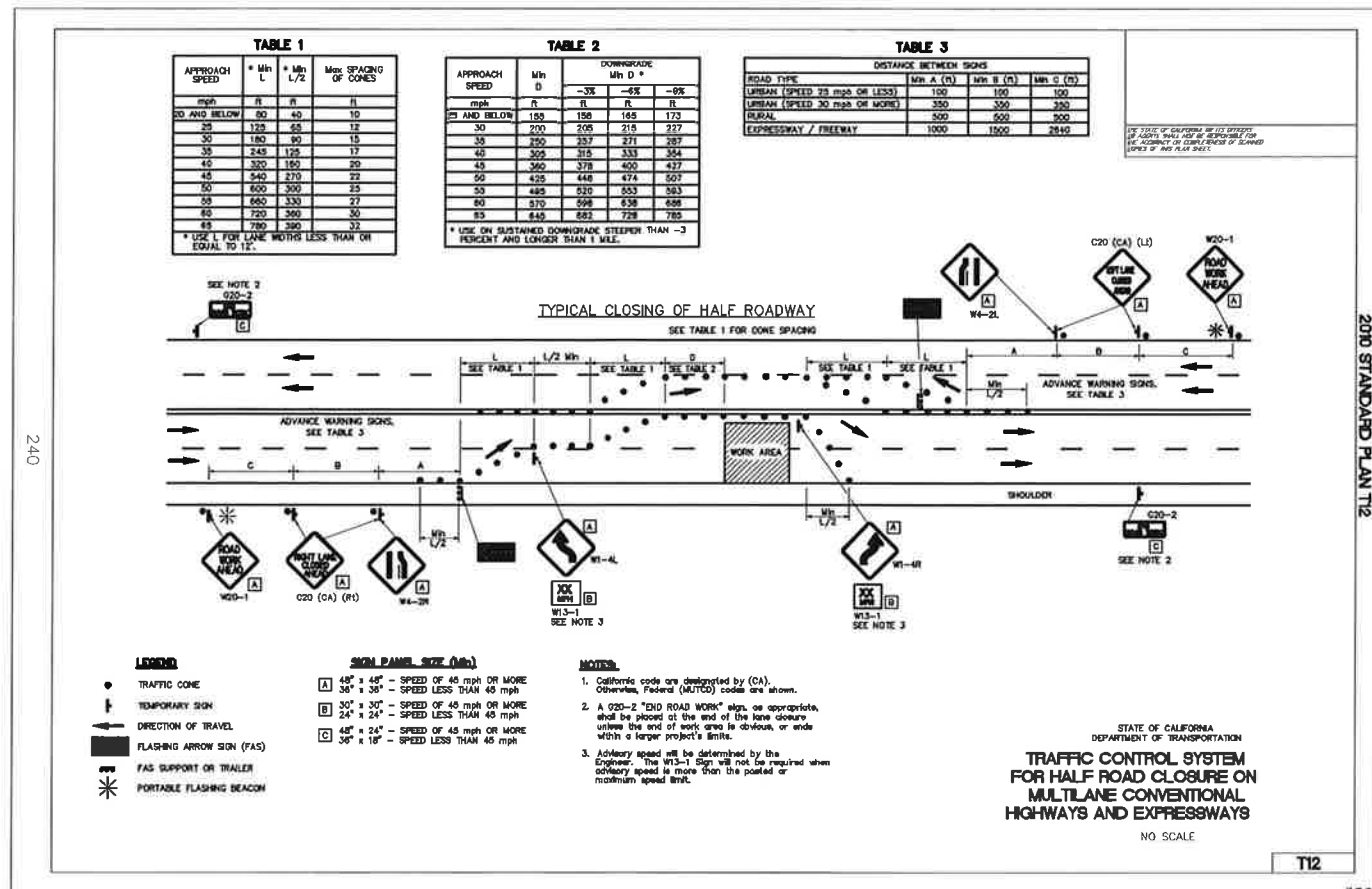
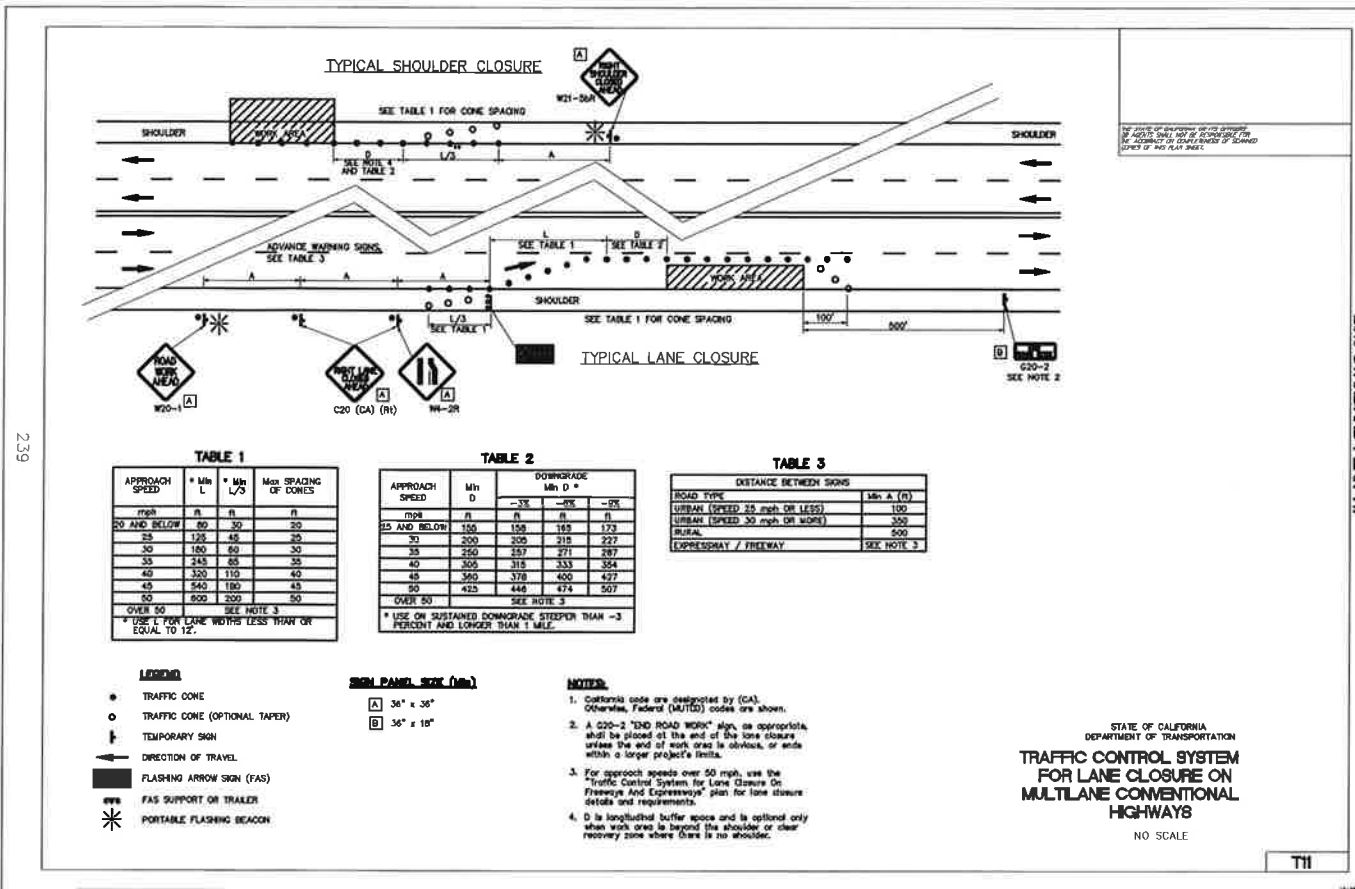
RICK
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 711 ANA CANYON BLVD. SUITE 110
 SACRAMENTO, CA 95833
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 FAX: (916) 444-4401

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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 TEMPORARY RAILING (TYPE K)

SCALE: NO SCALE
 PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-006

XREF: Los Osos - Job 111 112 113
 FILE: L:\16400_SGD_County_Los Osos - Street Traffic\Area D\1D-TC-07.dwg USER: skinner July 7, 2011 8:18 AM Job No: 16400



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RDH
 DRAWN BY: RDH
 CHECKED BY: DAD
 DATE: MARCH 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900

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RICK
 ENGINEERING COMPANY
 1100 S. GATEWAY DRIVE, SUITE 110
 CALIFORNIA, CA 95833
 Tel: (916) 441-1111
 Fax: (916) 441-1112
 www.rickeng.com

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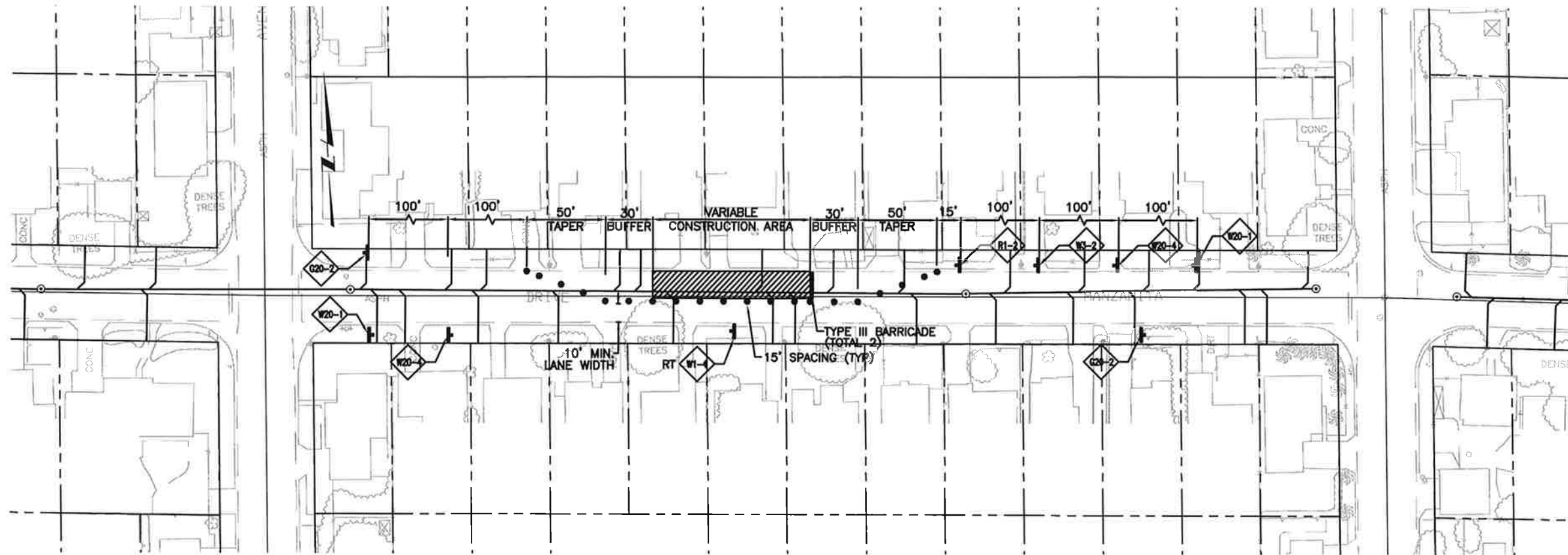
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LOS OSOS WASTEWATER COLLECTION SYSTEM

AREA D TRAFFIC CONTROL PLAN
 DETAIL SHEETS
 CALTRANS TRAFFIC CONTROL PLANS

PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-007

AREA: Los Osos-040 X-UJL-STRN H-UJL-SS X-FEAT-NERL X-FEAT-APN X-FEAT-RW N-FEAT-CHL X-FEAT-ROW X-FEAT-ROD X-FEAT-ROK X-FEAT-APN
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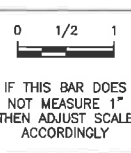
MINOR STREET – TYPICAL MID-BLOCK SINGLE LANE CLOSURE

NOTES:

1. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
2. FOR ALL SINGLE LANE CLOSURES ON MINOR STREETS, THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF FIGURE 6H-11 OF THE MUTCD, (2010 CALIFORNIA EDITION), UNLESS FOLLOWING ANY NOTES 3, 4, OR 5 BELOW.
3. IF APPROVED BY THE COUNTY ENGINEER, ON MINOR STREETS WITH VERY LOW TRAFFIC VOLUMES THE CONTRACTOR MAY USE THE TRAFFIC CONTROL MEASURES FOR A SINGLE LANE CLOSURE AS SHOWN IN FIGURE 6H-18 OF THE MUTCD (2010 CALIFORNIA EDITION)
4. AT THE OPTION OF THE CONTRACTOR, ONE-LANE TRAFFIC CONTROL WITH FLAGGERS MAY BE USED IN LIEU OF THIS TRAFFIC CONTROL LAYOUT. FOR TRAFFIC CONTROL WITH FLAGGERS, CONTRACTOR SHALL FOLLOW FIGURE 6H-10(CA) OF THE MUTCD (2010 CALIFORNIA EDITION)
5. WHEN MINOR STREET ROAD CLOSURES ARE ALLOWED, THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE MUTCD (2010 CALIFORNIA EDITION) FOR DETOUR SIGNAGE, INCLUDING 48-HOUR DOORKNOB NOTICING TO AFFECTED RESIDENTS. SUBMIT DETOUR PLANS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
6. 10' MINIMUM LANE WIDTH SHALL BE MAINTAINED AT ALL TIMES ON MINOR STREETS WHEN OPEN TO PUBLIC TRAFFIC. LANE WIDTH IS MEASURED FROM THE NEAR EDGE OF CHANNELIZING DEVICES TO THE EDGE OF PAVEMENT OR CURB/AC BERM FLOWLINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

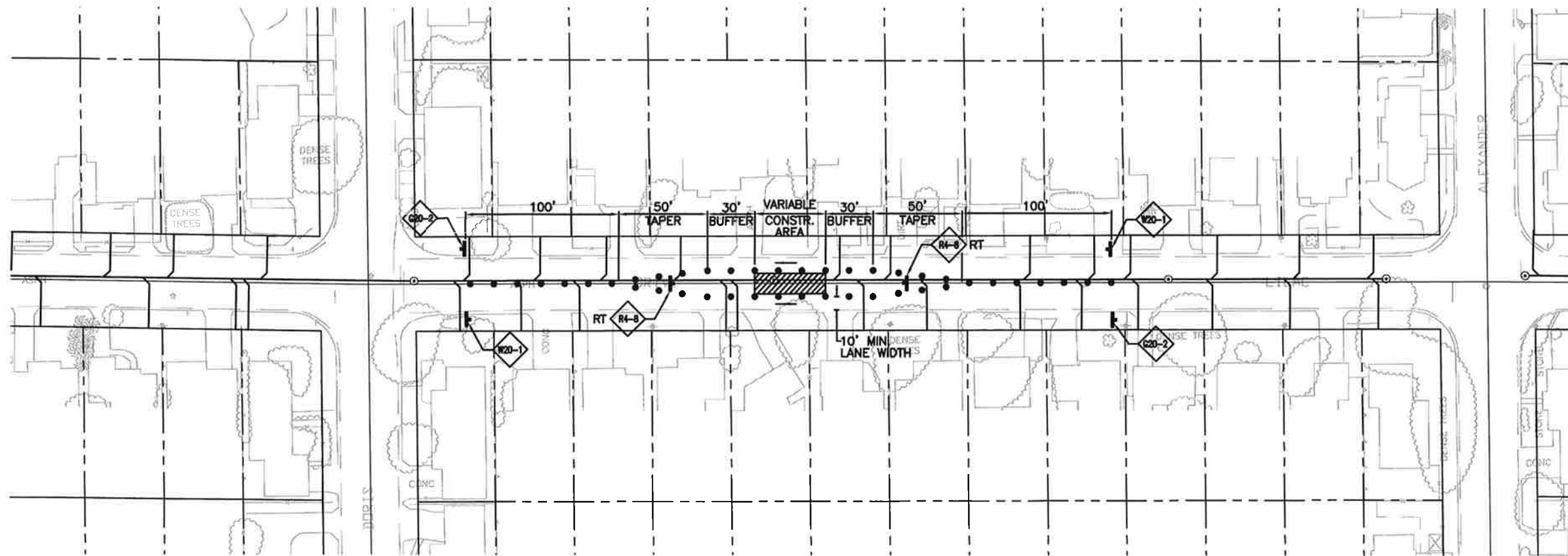
DESIGNED BY: _____ RDH
 DRAWN BY: _____ RDH
 CHECKED BY: _____ DAD
 DATE: _____ MARCH 2012



LOS OSOS WASTEWATER COLLECTION SYSTEM
AREA D TRAFFIC CONTROL PLAN
TYPICAL MINOR STREET
MID-BLOCK CONSTRUCTION

SCALE: 1"=40'
 PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-008

XFEAT - Los Osos - bid, X-UTIL-STRM, N-UTIL-SS, X-FEAT-NERL, X-FEAT-APN, X-FEAT-ROW, N-FEAT-CNEL, Traffic, RICK, X-FEAT-APN
 FILE: L:\16480_SLO_County_Los_Osos_Sewer\Traffic\CDM\Sheet\Area_D\TC-00.dwg USER: elouwer July 7, 2011 2:18 PM sub Job No: 16480



MINOR STREET – TYPICAL ROADWAY CENTER CLOSURE

NOTES:

1. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
2. FOR ADDITIONAL NOTES AND REQUIREMENTS RELATED TO TRAFFIC CONTROL FOR WORK IN THE CENTER OF A MINOR STREET, CONTRACTOR SHALL FOLLOW FIGURE 6H-15 OF THE MUTCD (2010 CALIFORNIA EDITION)
3. WHEN MINOR STREET ROAD CLOSURES ARE ALLOWED, THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE MUTCD (2010 CALIFORNIA EDITION) FOR DETOUR SIGNAGE, INCLUDING 48-HOUR DOORKNOB NOTICING TO AFFECTED RESIDENTS. SUBMIT DETOUR PLANS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
4. 10' MINIMUM LANE WIDTHS SHALL BE MAINTAINED AT ALL TIMES. LANE WIDTH IS MEASURED FROM THE NEAR EDGE OF CHANNELIZING DEVICES TO THE EDGE OF PAVEMENT OR CURB/AC BERM FLOWLINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ RDH
 DRAWN BY: _____ RDH
 CHECKED BY: _____ DAD
 DATE: _____ MARCH 2012



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 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

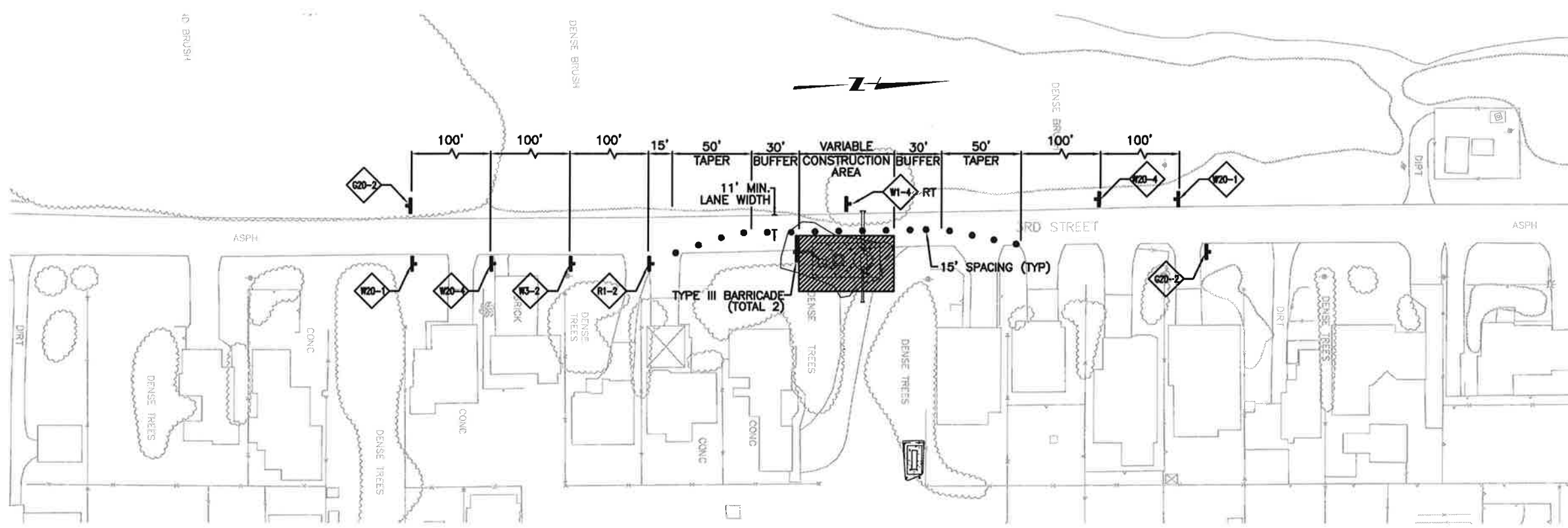


LOS OSOS WASTEWATER COLLECTION SYSTEM
AREA D TRAFFIC CONTROL PLAN
TYPICAL MINOR STREET
MID-BLOCK ROADWAY CENTER CLOSURE

SCALE: 1"=40'

PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-009

XREF: Los Osos-bdr X-UTIL-SITRM M-UTIL-SS X-FEAT-SEPL X-FEAT-APN X-FEAT-ROW X-FEAT-ROW M-FEAT-CNBL X-FEAT-CNBL X-FEAT-CONC X-FEAT-CONC X-FEAT-ASPH X-FEAT-APM
 FILE: L:\16480_SLO_County_Low_Down_Schema\Traffic\Area\Sheet\Area_D\16480-10.dwg USER: elouwar July 7, 2011 2:18 PM Job No: 16480



TYPICAL PUMP STATION – SHOULDER AND ROADWAY EDGE WORK
 (MOUNTAIN VIEW PS, PPS-09B, PPS-09C, PPS-15B)

NOTES:

1. CONTRACTOR TO CHECK THE PROJECT SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR ARTERIAL, COLLECTOR, AND BUSINESS STREET SEGMENTS. THIS PLAN APPLIES ONLY TO SHOULDER AND ROADWAY EDGE WORK ON ROADWAYS CLASSIFIED AS "MINOR STREETS".
2. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
3. WHEN MINOR STREET ROAD CLOSURES ARE ALLOWED, THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE MUTCD (2010 CALIFORNIA EDITION) FOR DETOUR SIGNAGE, INCLUDING 48-HOUR DOORKNOB NOTICING TO AFFECTED RESIDENTS. SUBMIT DETOUR DETOUR PLANS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
4. 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED AT ALL TIMES. LANE WIDTH IS MEASURED FROM THE NEAR EDGE OF CHANNELIZING DEVICES TO THE EDGE OF PAVEMENT OR CURB/AC BERM FLOWLINE.
5. THIS TRAFFIC CONTROL PLAN IS INTENDED ONLY FOR DAYLIGHT AND/OR WORKING HOURS. WHEN OUTSIDE OF CONSTRUCTION HOURS A MINIMUM OF ONE 10' LANE IN EACH DIRECTION SHALL BE OPEN FOR PUBLIC TRAFFIC.

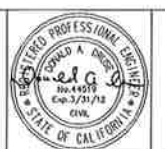
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RDH
 DRAWN BY: RDH
 CHECKED BY: DAD
 DATE: MARCH 2012

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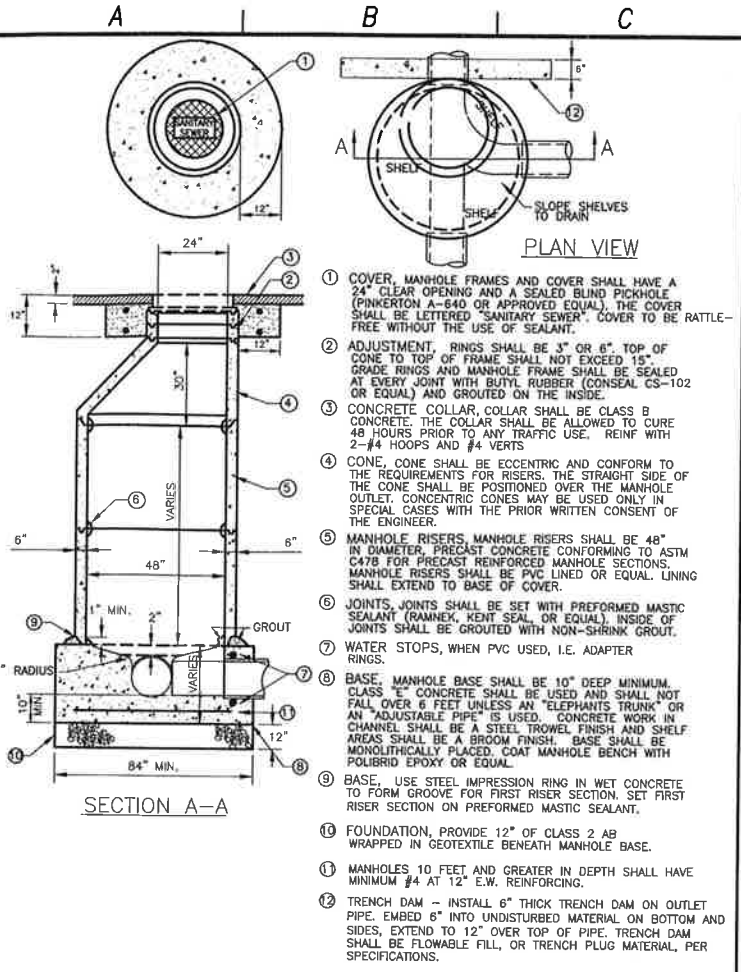


RICK
 ENGINEERING COMPANY
 211 HANNA ROAD, SUITE 110
 SACRAMENTO, CA 95833
 (916) 441-1111
 FAX: (916) 441-1112

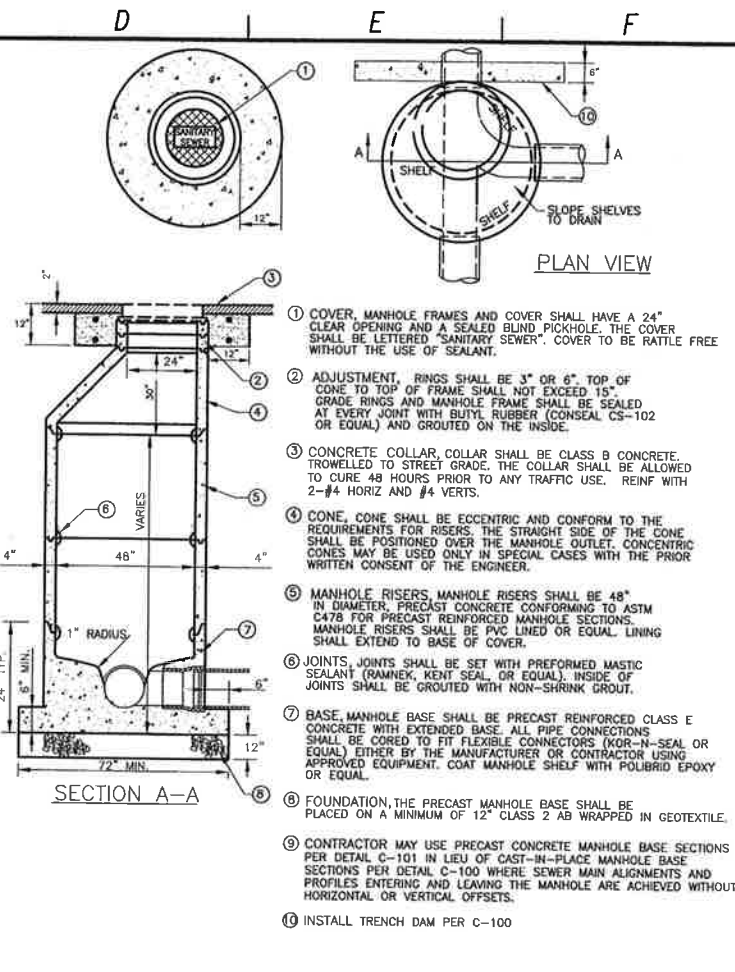
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LOS OSOS WASTEWATER COLLECTION SYSTEM
AREA D TRAFFIC CONTROL PLAN
TYPICAL PUMP STATION
SHOULDER AND ROADWAY EDGE WORK

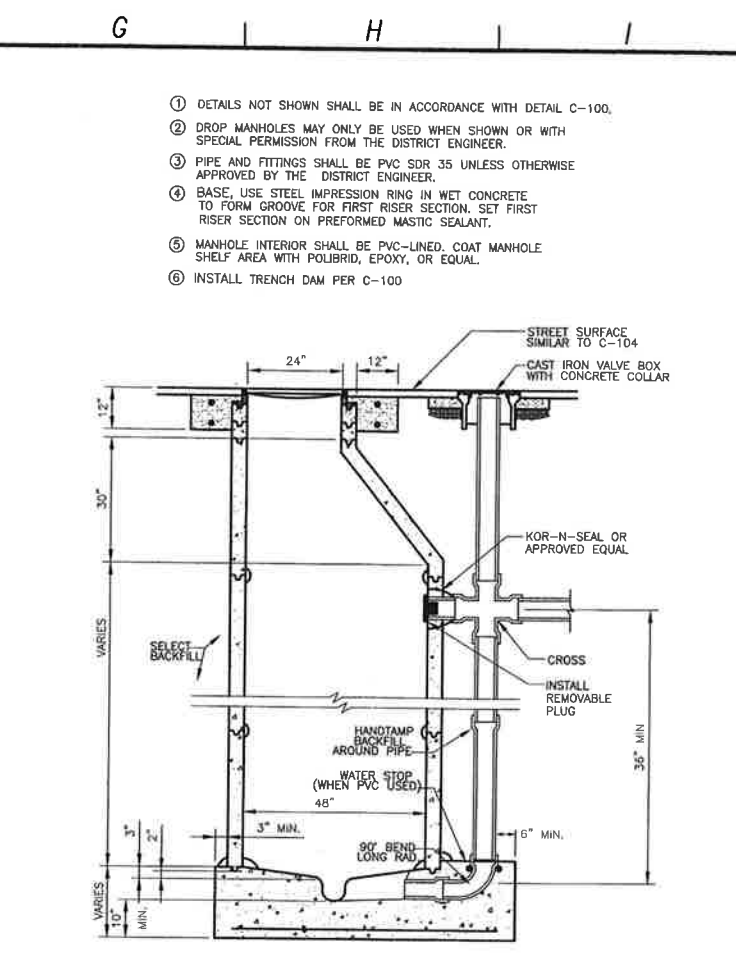
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 PROJECT NO. 42502-83120
 FILE NAME:
 SHEET NO.
D-TC-010



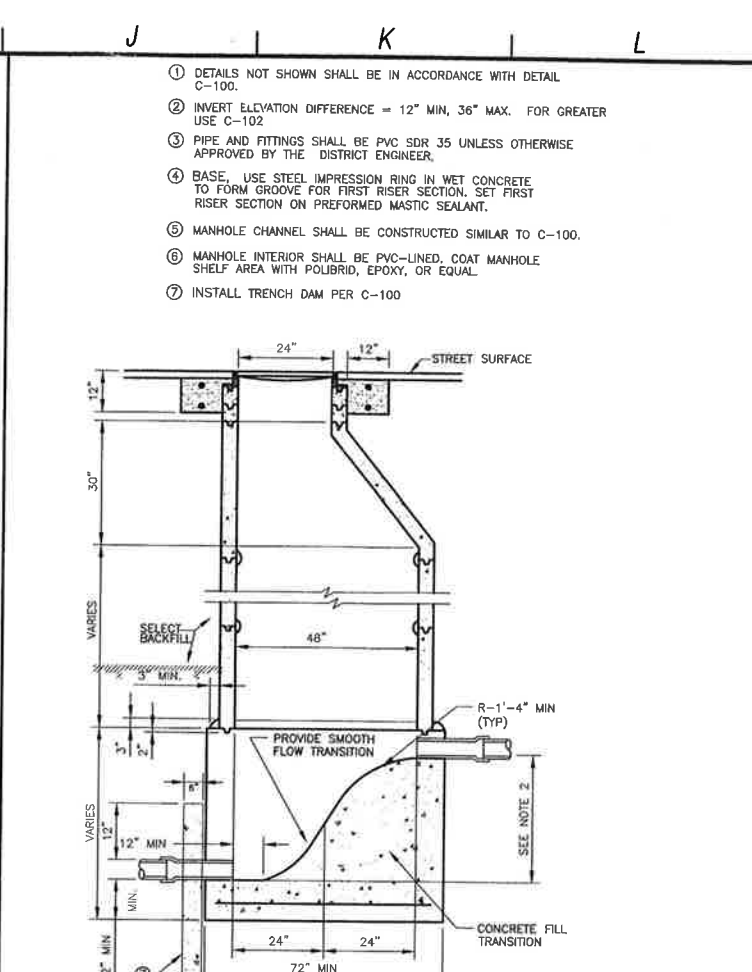
STANDARD SEWER MANHOLE C-100



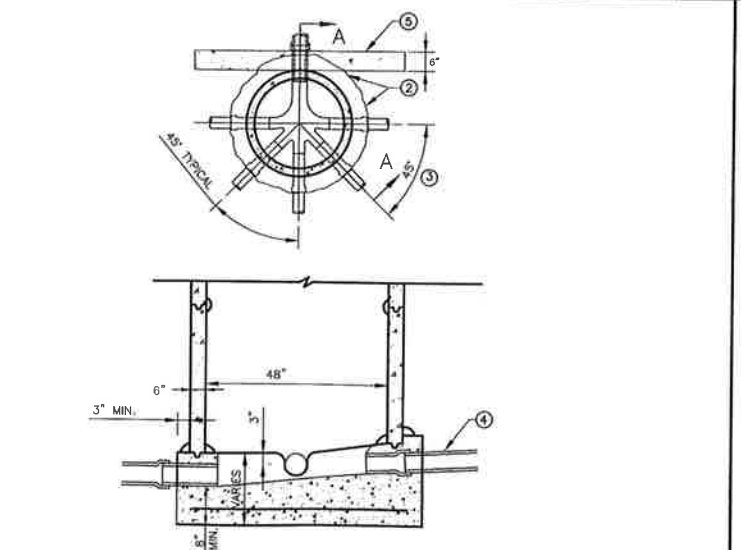
PRE-CAST BASE SEWER MANHOLE C-101



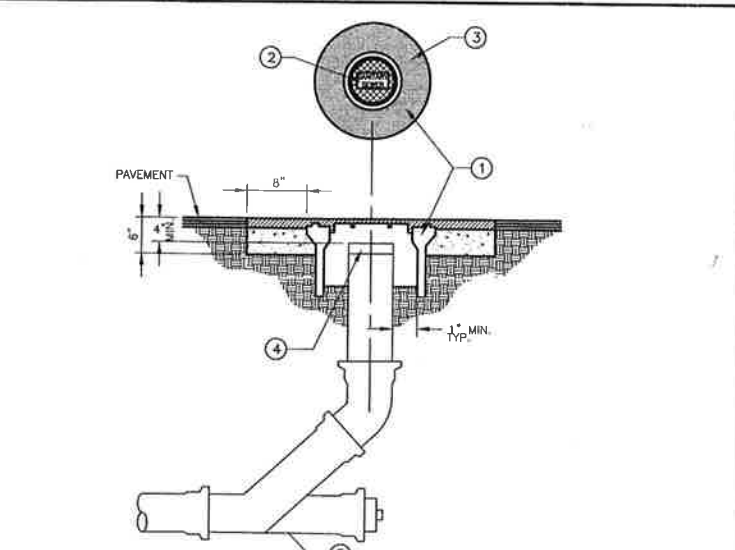
SEWER DROP MANHOLE C-102



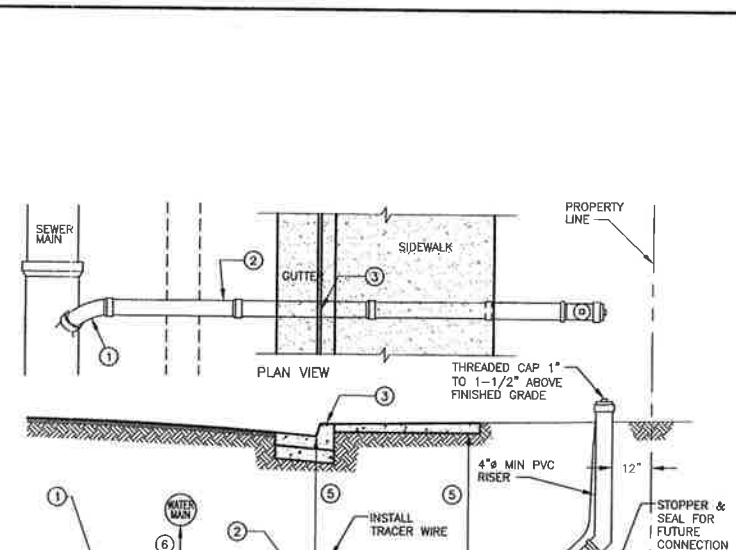
SEWER INTERMEDIATE DROP MANHOLE C-102A



END OF LINE SEWER MANHOLE C-103



SEWER CLEANOUT C-104



SEWER LATERAL C-105

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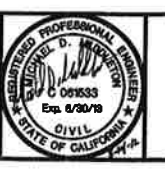
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: BJC
 DATE: MARCH, 2012

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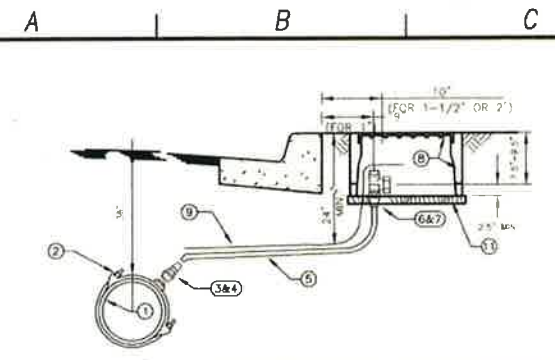
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LOS OSOS WASTEWATER COLLECTION SYSTEM

GENERAL CIVIL STANDARD CIVIL DETAILS - 1

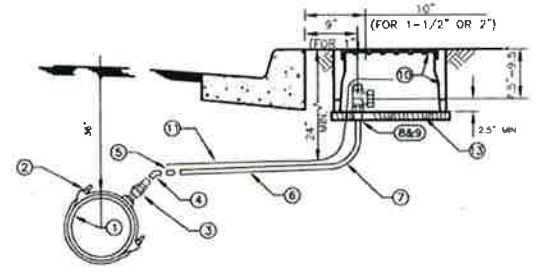
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 SHEET NO.
D-GC-060

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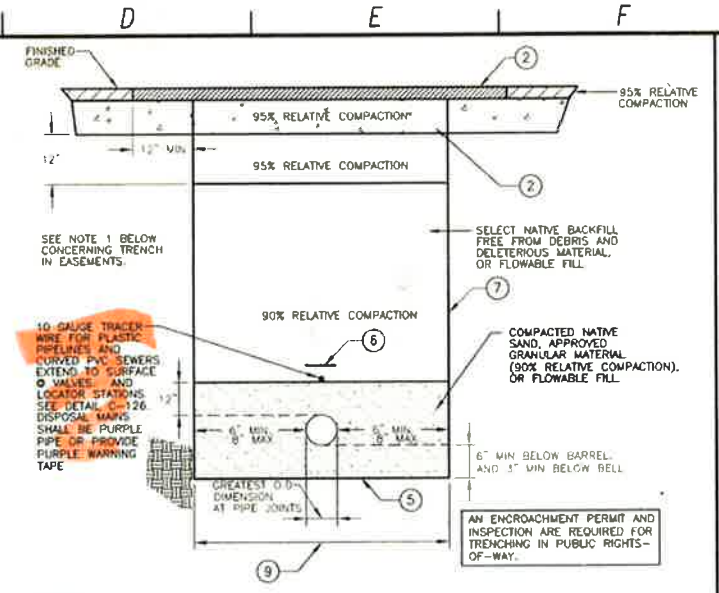
	3/4"
1 WATER MAIN	PER PLAN
2 SERVICE SADDLE	BRONZE, DOUBLE STRAP, JAMES JONES J-979 FOR AC PIPE OR APPROVED EQUAL
3 CORPORATION STOP	GROUNDKEY: JAMES JONES J-1944 1" SIZE ONLY, MIP X MIP #41
4 ADAPTER	1" FIP X INSTANTITE, MUELLER H15456
5 SERVICE LATERAL	1" POLYETHYLENE ONLY IPS SIZE, 200 PSI MINIMUM, WESTFLEX GOLD LABEL 3408, DRISCOPEPE, OR APPROVED EQUAL
6 ANGLE METER STOP (BALL TYPE)	JAMES JONES J-1527 (1" X 1" OR 1" X 3/4")
7 ADAPTER	1" MIP X INSTANTITE H15456
8 METER BOX AND LID	BROOKS 37 SERIES (TRAFFIC LID IN TRAFFIC AREA ONLY)
9 10 GAGE TRACER WIRE PER SPECIFICATIONS	
10 IN UNPAVED AREAS, RAISE METER BOX 1" ABOVE THE ADJACENT FINISHED SURFACE	
11 1" X 12" CONCRETE BASE	
12 CUSTOMER SIDE CURB STOP - JONES J 1913W	

SINGLE WATER SERVICE C-110



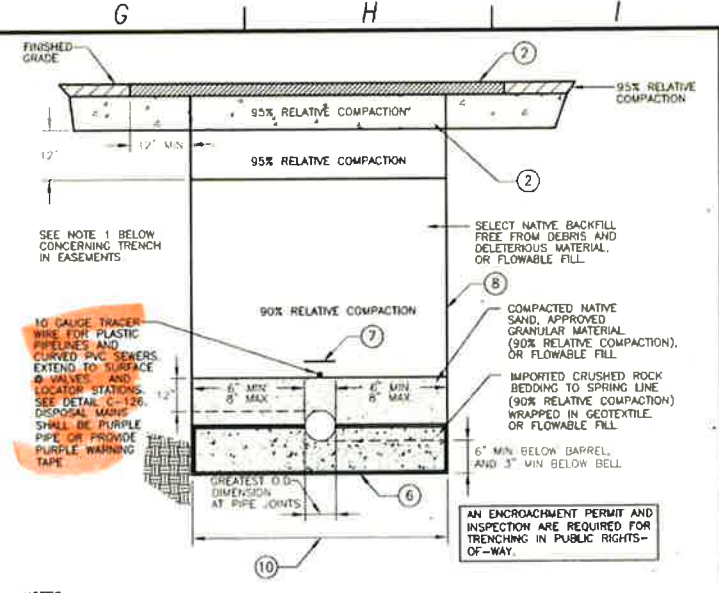
	1-1/2"
1 WATER MAIN	PER PLAN
2 SERVICE SADDLE	BRONZE, DOUBLE STRAP, JAMES JONES J-979 FOR AC PIPE OR APPROVED EQUAL
3 CORPORATION STOP	BALL VALVE: JAMES JONES J-1943 2" SIZE ONLY, MIP X MIP
4 BRASS 45° EL	2" 45° ELBOW ONLY
5 ADAPTER	FORD 2" PAC COUPLING X MIP
6 SERVICE LATERAL	2" SCH 80 PVC ONLY
7 90° ELBOW	2" SCH 80 90° ELBOW
8 ANGLE METER STOP (BALL TYPE)	FORD FB11027
9 ADAPTER	2" SCH 80 MIP X SOC
10 METER BOX AND LID	BROOKS 38 SERIES (TRAFFIC LID IF IN DRIVEWAY)
11 10 GAGE TRACER WIRE PER SPECIFICATIONS	
12 IN UNPAVED AREAS, RAISE METER BOX 1" ABOVE THE ADJACENT FINISHED SURFACE	
13 1" X 12" CONCRETE BASE	
14 CUSTOMER SIDE CURB STOP - JF108	

SINGLE WATER SERVICE C-111



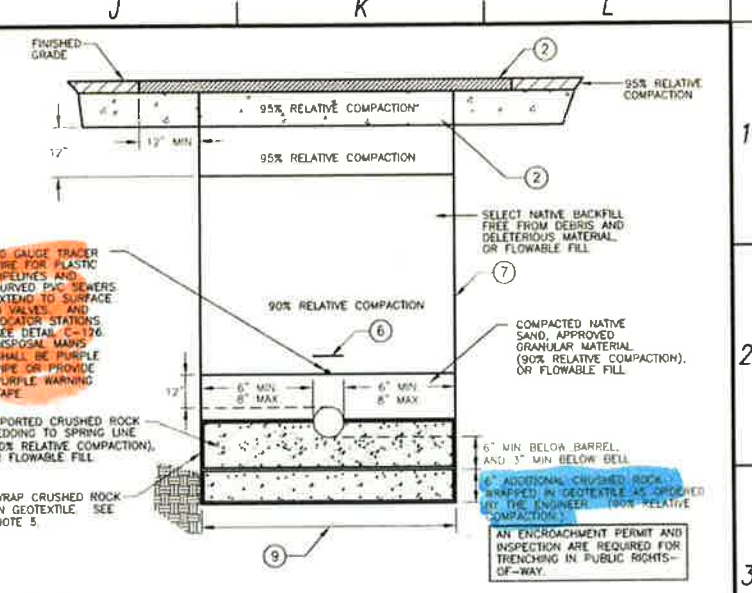
- NOTES:
- A MINIMUM OF 90% RELATIVE COMPACTION IS PERMITTED IN A NON-ROADWAY TRENCH WHEN NO STRUCTURES ARE TO BE BUILT OVER THE TRENCH. IF STRUCTURES ARE TO BE BUILT OVER THE TRENCH, USE RELATIVE COMPACTIONS SHOWN ON THE TRENCH SECTION ABOVE.
 - PAVEMENT SECTIONS SHALL BE NO LESS THAN EXISTING STRUCTURAL SECTIONS, AND AS REQUIRED BY THE COUNTY FOR TRENCHES WITHIN A COUNTY RIGHT-OF-WAY. SEE DETAIL C-120.
 - SEE DETAIL C-116B FOR WET TRENCH SECTION.
 - A DRY TRENCH IS A TRENCH IN NON-GROUNDWATER AREAS.
 - WHERE THE BOTTOM OF THE TRENCH HAS BEEN DISTURBED, THE CONTRACTOR SHALL SCARIFY AND COMPACT THE SUBGRADE TO 90% RELATIVE COMPACTION.
 - 3" WIDE POLYETHYLENE NON-DETECTABLE WARNING TAPE 12" ABOVE ALL PIPE AND LATERALS.
 - VERTICAL TRENCH WALL DEPICTED, SHORING SHALL BE DESIGNED BY CONTRACTOR. TRENCH WALLS MAY BE SLOPED, CONTRACTOR SHALL COORDINATE TRENCH CONFIGURATION WITH OTHER GRAVITY, FORCEMAIN, RECYCLED WATER, AND CONDUIT PIPELINE TRENCH SECTIONS, AND CONFORM TO CULTURAL AND ENVIRONMENTAL RESTRICTIONS, THE TRAFFIC MANAGEMENT PLAN REQUIREMENTS, AND SHALL PROTECT EXISTING IMPROVEMENTS.
 - IF FLOWABLE FILL IS USED FOR BACKFILL, CONTRACTOR SHALL PROTECT AGAINST BUOYANT FORCE.
 - THIS DIMENSION AT PIPE SPRINGLINE, PLUS 24" FOR T-CUT, CONSTITUTES THE PAY LIMIT FOR AC AND AB REPLACEMENT, UNO IN TABLE 1 OF DETAIL C-120A.

PIPELINE DRY TRENCH SECTION 10" AND SMALLER C-116



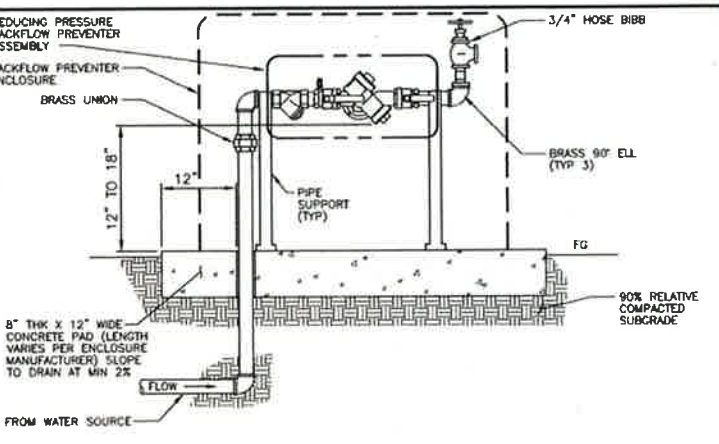
- NOTES:
- A MINIMUM OF 90% RELATIVE COMPACTION IS PERMITTED IN A NON-ROADWAY TRENCH WHEN NO STRUCTURES ARE TO BE BUILT OVER THE TRENCH. IF STRUCTURES ARE TO BE BUILT OVER THE TRENCH, USE RELATIVE COMPACTIONS SHOWN ON THE TRENCH SECTION ABOVE.
 - PAVEMENT SECTIONS SHALL BE NO LESS THAN EXISTING STRUCTURAL SECTIONS, AND AS REQUIRED BY THE COUNTY FOR TRENCHES WITHIN A COUNTY RIGHT-OF-WAY. SEE DETAIL C-120.
 - SEE DETAIL C-116B FOR WET TRENCH SECTION.
 - A DRY TRENCH IS A TRENCH IN NON-GROUNDWATER AREAS.
 - ENDS OF GEOTEXTILE SHALL TOUCH PIPE BARREL. GEOTEXTILE MAY BE LAPPED UNDER PIPE IF DESIRED.
 - WHERE THE BOTTOM OF THE TRENCH HAS BEEN DISTURBED, THE CONTRACTOR SHALL SCARIFY AND COMPACT THE SUBGRADE TO 90% RELATIVE COMPACTION.
 - 3" WIDE POLYETHYLENE NON-DETECTABLE WARNING TAPE 12" ABOVE ALL PIPE AND LATERALS.
 - VERTICAL TRENCH WALL DEPICTED, SHORING SHALL BE DESIGNED BY CONTRACTOR. TRENCH WALLS MAY BE SLOPED, CONTRACTOR SHALL COORDINATE TRENCH CONFIGURATION WITH OTHER GRAVITY, FORCEMAIN, RECYCLED WATER, AND CONDUIT PIPELINE TRENCH SECTIONS, AND CONFORM TO CULTURAL AND ENVIRONMENTAL RESTRICTIONS, THE TRAFFIC MANAGEMENT PLAN REQUIREMENTS, AND SHALL PROTECT EXISTING IMPROVEMENTS.
 - IF FLOWABLE FILL IS USED FOR BACKFILL, CONTRACTOR SHALL PROTECT AGAINST BUOYANT FORCE.
 - THIS DIMENSION AT PIPE SPRINGLINE, PLUS 24" FOR T-CUT, CONSTITUTES THE PAY LIMIT FOR AC AND AB REPLACEMENT, UNO IN TABLE 1 OF DETAIL C-120A.

PIPELINE DRY TRENCH SECTION 12" AND LARGER C-116A



- NOTES:
- A MINIMUM OF 90% RELATIVE COMPACTION IS PERMITTED IN A NON-ROADWAY TRENCH WHEN NO STRUCTURES ARE TO BE BUILT OVER THE TRENCH. IF STRUCTURES ARE TO BE BUILT OVER THE TRENCH, USE RELATIVE COMPACTIONS SHOWN ON THE TRENCH SECTION ABOVE.
 - PAVEMENT SECTIONS SHALL BE NO LESS THAN EXISTING STRUCTURAL SECTIONS, AND AS REQUIRED BY THE COUNTY FOR TRENCHES WITHIN A COUNTY RIGHT-OF-WAY. SEE DETAIL C-120.
 - SEE DETAILS C-116 AND C-116A FOR DRY TRENCH SECTIONS.
 - A WET TRENCH IS A TRENCH IN GROUNDWATER AREAS BUT HAS BEEN DEWATERED IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS.
 - ENDS OF GEOTEXTILE SHALL TOUCH PIPE BARREL. GEOTEXTILE MAY BE LAPPED UNDER PIPE IF DESIRED.
 - 3" WIDE POLYETHYLENE NON-DETECTABLE WARNING TAPE 12" ABOVE ALL PIPE AND LATERALS.
 - VERTICAL TRENCH WALL DEPICTED, SHORING SHALL BE DESIGNED BY CONTRACTOR. TRENCH WALLS MAY BE SLOPED, CONTRACTOR SHALL COORDINATE TRENCH CONFIGURATION WITH OTHER GRAVITY, FORCEMAIN, RECYCLED WATER, AND CONDUIT PIPELINE TRENCH SECTIONS, AND CONFORM TO CULTURAL AND ENVIRONMENTAL RESTRICTIONS, THE TRAFFIC MANAGEMENT PLAN REQUIREMENTS, AND SHALL PROTECT EXISTING IMPROVEMENTS.
 - IF FLOWABLE FILL IS USED FOR BACKFILL, CONTRACTOR SHALL PROTECT AGAINST BUOYANT FORCE.
 - THIS DIMENSION AT PIPE SPRINGLINE, PLUS 24" FOR T-CUT, CONSTITUTES THE PAY LIMIT FOR AC AND AB REPLACEMENT, UNO IN TABLE 1 OF DETAIL C-120A.

PIPELINE WET TRENCH SECTION ALL DIAMETERS C-116B



- NOTES:
- EQUIPMENT TO BE INSTALLED AT A MINIMUM OF 24" FROM ANY STRUCTURES OR HARDSCAPING.
 - WHEN UNIT IS NEXT TO A STRUCTURE (I.E. WALL, BUILDING, ETC.) MOUNT TEST COCKS ON OPEN OR NON-STRUCTURE SIDE.

BACKFLOW PREVENTER WITH HOSE BIBB AND ENCLOSURE C-112 NOT TO SCALE

REV. NO.	DATE	DRWN	CHKD	REMARKS
5/01/12	LLB	MDM		ADDENDUM #2

DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: MM
 DATE: APRIL 2012

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 Tel: (916) 567-9900



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LOS OSOS WASTEWATER COLLECTION SYSTEM

GENERAL CIVIL STANDARD CIVIL DETAILS - 2

PROJECT NO 42502-83120
 FILE NAME: A-GC-061
 SHEET NO. A-GC-061

A B C D E F G H I J K L

CRITERIA FOR THE SEPARATION OF WATER MAINS AND SANITARY SEWERS

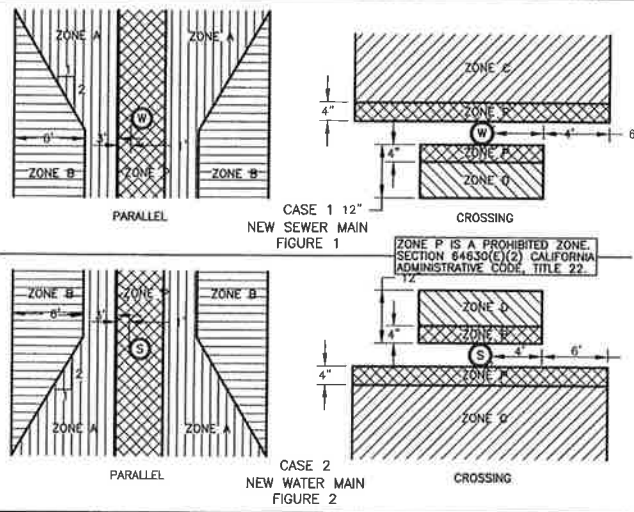
CASE 1
NEW SEWER MAIN BEING INSTALLED
(SEE FIGURE 1)

ZONE	SPECIAL CONSTRUCTION REQUIRED FOR SEWER:
A	SEWER LINES PARALLEL TO WATER MAINS SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT APPROVAL FROM THE RESPONSIBLE HEALTH AGENCY AND WATER SUPPLIER.
B	A SEWER LINE PLACED PARALLEL TO A WATER LINE SHALL BE CONSTRUCTED OF: 1. PLASTIC SEWER PIPE WITH RUBBER RING JOINTS (PER ASTM D3034) OR EQUIVALENT. 2. CAST OR DUCTILE IRON PIPE WITH COMPRESSION JOINTS.
C	A SEWER LINE CROSSING A WATER MAIN SHALL BE CONSTRUCTED OF: 1. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING AND MECHANICAL JOINTS. 2. A CONTINUOUS SECTION OF CLASS 200 (DR 14 PER AWWA C900) PLASTIC PIPE, OR EQUIVALENT, CENTERED OVER THE PIPE BEING CROSSED. 3. ANY SEWER PIPE WITHIN A CONTINUOUS SLEEVE.
D	A SEWER LINE CROSSING A WATER MAIN SHALL BE CONSTRUCTED OF: 1. A CONTINUOUS SECTION OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING. 2. A CONTINUOUS SECTION OF CLASS 200 (DR 14 PER AWWA C900) PLASTIC PIPE OR EQUIVALENT, CENTERED OVER THE PIPE BEING CROSSED. 3. ANY SEWER PIPE WITHIN A CONTINUOUS SLEEVE. 4. ANY SEWER PIPE SEPARATED BY A TEN-FOOT BY TEN-FOOT, FOUR-INCH THICK REINFORCED CONCRETE SLAB.

CASE 2
NEW WATER MAIN BEING INSTALLED
(SEE FIGURE 2)

ZONE	SPECIAL CONSTRUCTION REQUIRED FOR WATER:
A	NO WATER MAINS PARALLEL TO SERVICE SHALL BE CONSTRUCTED WITHOUT APPROVAL FROM THE HEALTH AGENCY.
B	IF THE SEWER PARALLELING THE WATER MAIN DOES NOT MEET THE CASE 1, ZONE B REQUIREMENTS, THE WATER MAIN SHALL BE CONSTRUCTED OF: 1. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING. 2. DIPPED AND WRAPPED ONE-FOURTH-INCH-THICK WELDED STEEL PIPE. 3. CLASS 200 PRESSURE RATED PLASTIC WATER PIPE (DR 14 PER AWWA C900) OR EQUIVALENT. 4. REINFORCED CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE, PER AWWA (C300-74, C301-79 OR C303-70). 5. CLASS 200, TYPE II, ASBESTOS-CEMENT PRESSURE PIPE.
C	IF THE SEWER CROSSING THE WATER MAIN DOES NOT MEET THE CASE 1, ZONE C REQUIREMENTS, THE WATER MAIN SHALL HAVE NO JOINTS IN ZONE C AND BE CONSTRUCTED OF: 1, 2, 3 OR 4 AS IN ZONE B, ABOVE.
D	IF THE SEWER CROSSING THE WATER MAIN DOES NOT MEET THE CASE 1, ZONE D REQUIREMENTS, THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FOUR FEET FROM EITHER SIDE OF THE SEWER AND SHALL BE CONSTRUCTED OF: 1, 2, 3 OR 4 AS IN ZONE B, ABOVE.

WATER AND SEWER SEPARATION NOTES C-117



NOTES AND DEFINITIONS

- COMPRESSION JOINT - A PUSH-ON JOINT THAT SEALS BY MEANS OF THE COMPRESSION OF A RUBBER RING OR GASKET BETWEEN THE PIPE AND A BELL OF COUPLING.
- DIMENSIONS ARE FROM THE OUTSIDE OF WATER MAIN TO OUTSIDE OF SEWER LINE OR MANHOLE.
- FUSED JOINT - THE JOINING OF SECTIONS OF PIPE USING THERMAL OR CHEMICAL BONDING PROCESSES.
- GROUND WATER - SUBSURFACE WATER FOUND IN THE SATURATION ZONE.
- HEALTH AGENCY - THE STATE DEPARTMENT OF HEALTH SERVICES, FOR THOSE WATER SYSTEMS SUPPLYING LESS THAN 200 SERVICE CONNECTIONS, THE LOCAL HEALTH OFFICER SHALL ACT FOR THE DEPARTMENT OF HEALTH SERVICES.
- HOUSE LATERAL - A SEWER PIPE CONNECTING THE BUILDING DRAIN AND THE MAIN SEWER LINE.
- LOW HEAD WATER MAIN - ANY WATER MAIN WHICH HAS A PRESSURE OF 5 PSI OR LESS AT ANY TIME AT ANY POINT IN THE MAIN.
- MECHANICAL JOINT - BOLTED JOINT
- RATED WORKING WATER PRESSURE OR PRESSURE CLASS - A PIPE CLASSIFICATION SYSTEM BASED UPON INTERNAL WORKING PRESSURE OF THE FLUID IN THE PIPE, TYPE OF PIPE MATERIAL, AND THE THICKNESS OF THE PIPE WALL.
- SLEEVE - A PROTECTIVE TUBE OF STEEL WITH A WALL THICKNESS OF NOT LESS THAN ONE-FOURTH INCH INTO WHICH A PIPE IS INSERTED.
- WATER SUPPLIER - ANY PERSON WHO OWNS OR OPERATES A PUBLIC WATER SYSTEM

WATER AND SEWER SEPARATION DIAGRAM C-118

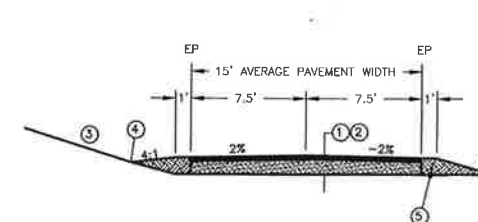
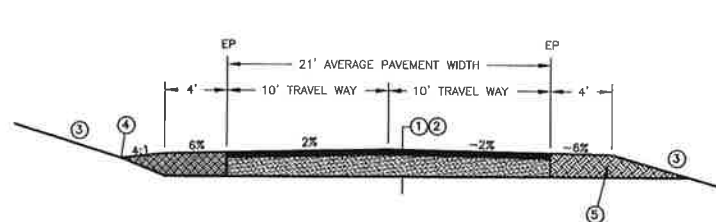
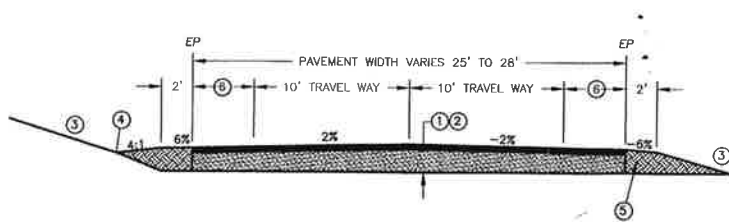
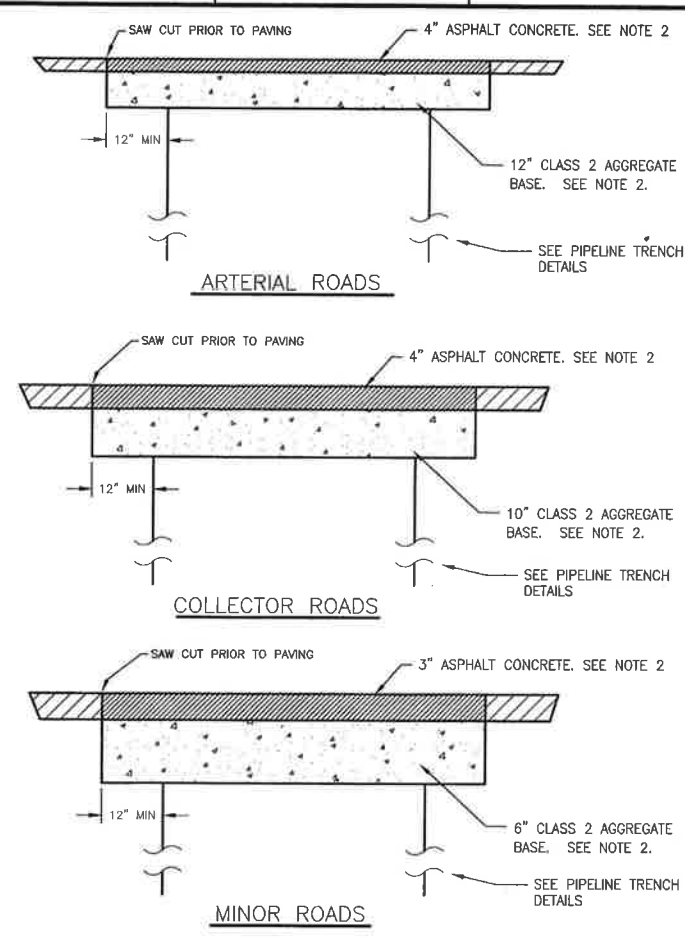
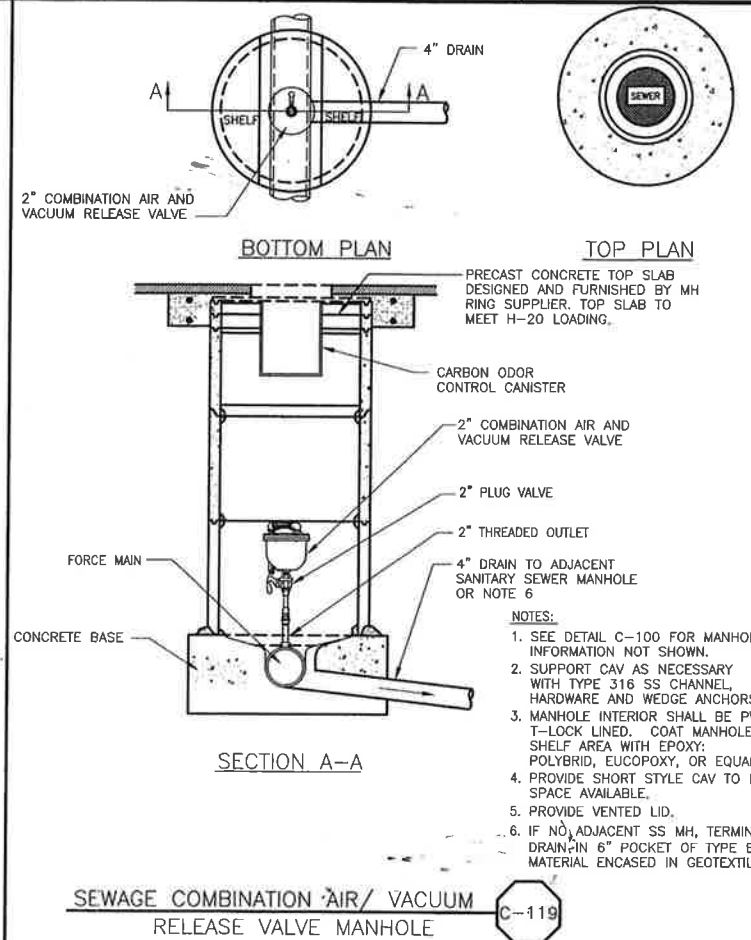


TABLE 1 - ROADS REQUIRING FULL DEPTH RECLAMATION

ROAD NAME	TI	STATION LIMITS OF FULL DEPTH RESTORATION	PULVERIZATION "DRY"	PULVERIZATION "WET"	STATION LIMITS OF "WET" ROAD
BINSARTH AVE.	6	1+25 (AT PECHO RD) 27+40 (AT BRODERSON AVE)	4"HMA 14" PCSG	4"HMA 14" PTSG	1+25 27+40
7TH STREET	7	21+20 (AT RAMONA AVE) 55+00 (AT SANTA YSABEL AVE)	4"HMA 14" PCSG	4"HMA 14" PTSG	35+50 48+10
PINE STREET	7	5+20 (AT LOS OSOS VALLEY RD) 33+00 (AT RAMONA AVE)	4"HMA 14" PCSG	4"HMA 14" PTSG	26+10 33+00
SANTA YNEZ AVE.	6.5	28+00 (AT LOST OAK DR) 33+80 (AT MOUNTAIN VIEW AVE)	3"HMA 12" PCSG		
LUPINE STREET	4.5	1+20 (AT DORIS AVE) 5+40 (AT FEARN AVE)	3"HMA 12" PCSG	3"HMA 12" PTSG	1+20 5+40

TABLE 2 - ROADS WITH FULL DEPTH RECLAMATION - GENERAL SPECIFICATION

ROAD CATEGORY	PULVERIZATION "DRY"	PULVERIZATION "WET"
COLLECTOR STREET	4"HMA OVER 14" PCSG	4"HMA OVER 14" PTSG
MINOR STREET	3"HMA OVER 12" PCSG	3"HMA OVER 12" PTSG

NOTES:

1. THE STRUCTURAL SECTION SHALL BE PER TABLE 1 FOR SPECIFIC ROADS REQUIRING FULL DEPTH RECLAMATION; TABLE 2 SHALL BE THE SPECIFICATION FOR OTHER ROADS WITHIN THE PROJECT AREA THAT RECEIVE FULL DEPTH RECLAMATION AT THE CONTRACTORS OPTION OR AS DIRECTED BY ENGINEER.
2. TYPICAL STRUCTURAL ROAD SECTION SHALL BE:
HOT MIX ASPHALT (HMA) PER TABLE TO 95% RELATIVE COMPACTION, OVER PULVERIZED COMPACTED SUBGRADE OR PULVERIZED TREATED AND COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION.
3. CUT AND FILL SLOPE SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL OR 3H:1V IN SAND.
4. THE CONTRACTOR SHALL ACCOMMODATE FOR ROADSIDE DRAINAGE SUCH THAT IT DOES NOT ERODE THE ROAD SHOULDER. THE SIDE SLOPE OF ANY DRAINAGE SWALE ADJACENT TO THE ROADWAY SHALL NOT EXCEED 4H:1V.
5. LIMITS OF PULVERIZATION SHALL EXTEND TO THE EDGE OF EXISTING ROAD PAVEMENT. PERFORM MINOR GRADING ON SHOULDERS TO ALLOW FOR EXISTING ROAD PAVEMENT DETAILS OR AS DIRECTED BY ENGINEER.
6. WIDTH VARIES UP TO 4'

TYPICAL FULL DEPTH ROAD RECLAMATION C-120A

ARTERIAL ROADS	COLLECTOR ROADS	MINOR ROADS
LOS OSOS VALLEY ROAD SOUTH BAY BOULEVARD	PECHO VALLEY ROAD SANTA YSABEL AVENUE RAMONA AVENUE NIPOMO AVENUE NINTH STREET (BTW LOS OSOS VALLEY RD & RAMONA AVE) PINE AVENUE SEVENTH STREET ELEVENTH STREET EL MORO AVENUE (BTW 2ND ST & 12TH ST) SECOND STREET (BTW EL MORO AVENUE & SANTA YSABEL AVE) BINSARTH ROAD PECHO ROAD BAYVIEW HEIGHTS DRIVE	ALL OTHER ROADS WITHIN PROJECT AREA

NOTES:

1. MINIMUM ASPHALT CONCRETE THICKNESS SHALL BE 3".
2. MATCH EXISTING ASPHALT CONCRETE AND AGGREGATE BASE THICKNESS IF THICKER.
3. ASPHALT CONCRETE SHALL BE PER SPECIFICATIONS.
4. GRAVEL AND BASE ROCK PAVED ROADS SHALL BE RESTORED TO MATCH EXISTING SECTION, IF FLOWABLE FILL IS USED, TERMINATE FLOWABLE FILL 6" BELOW GRADE AND RESTORE TO MATCH EXISTING.
5. PROVIDE AND MAINTAIN TEMPORARY PAVEMENT UNTIL PERMANENT PAVEMENT IS INSTALLED.
6. SEE DETAIL C-120A REGARDING ROADS REQUIRING FULL DEPTH RECLAMATION.

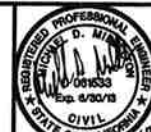
TRENCH PATCH PAVEMENT RESTORATION STRUCTURAL SECTION C-120

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DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: MDM
 DATE: MARCH, 2012



0 1/2 1
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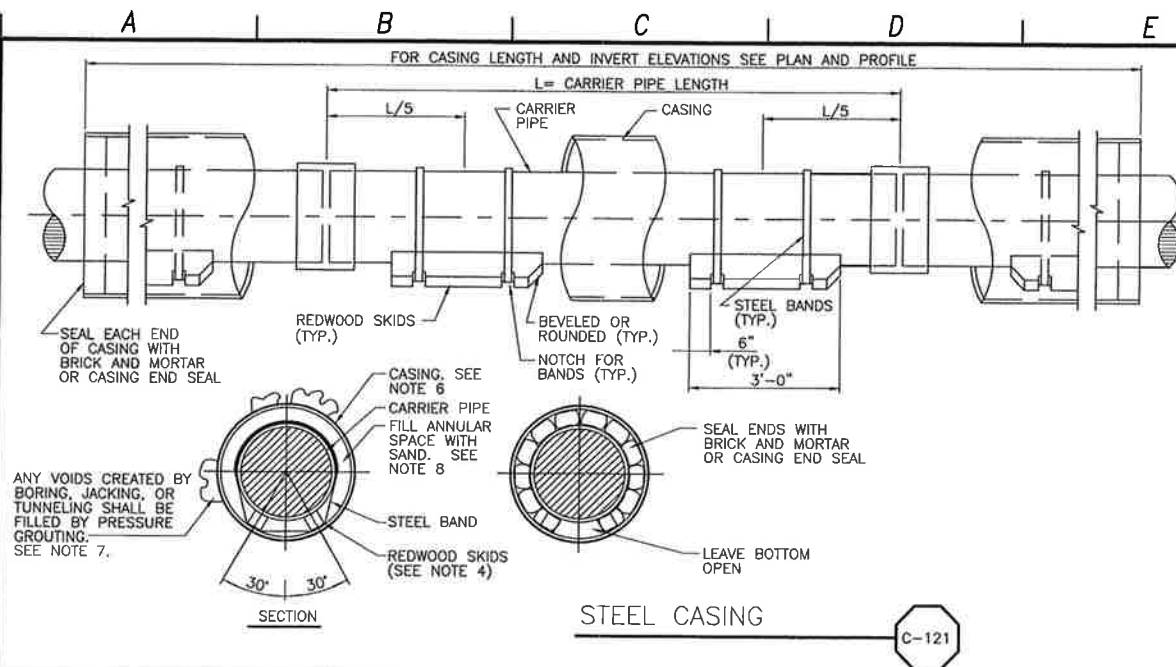


LOS OSOS WASTEWATER COLLECTION SYSTEM

GENERAL CIVIL STANDARD CIVIL DETAILS - 3

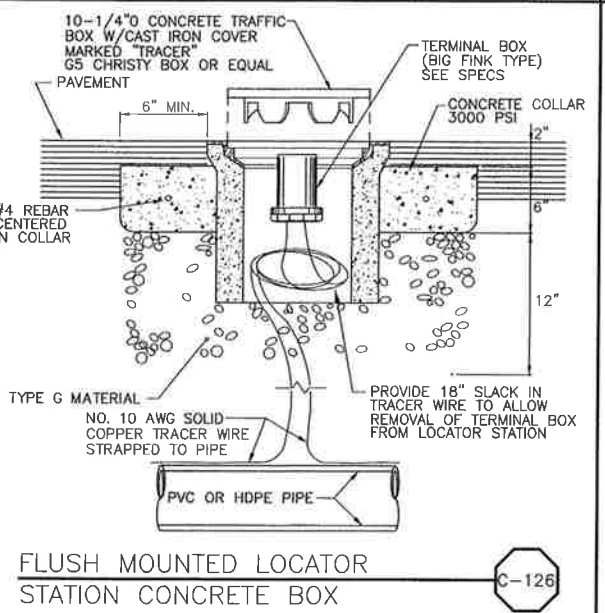
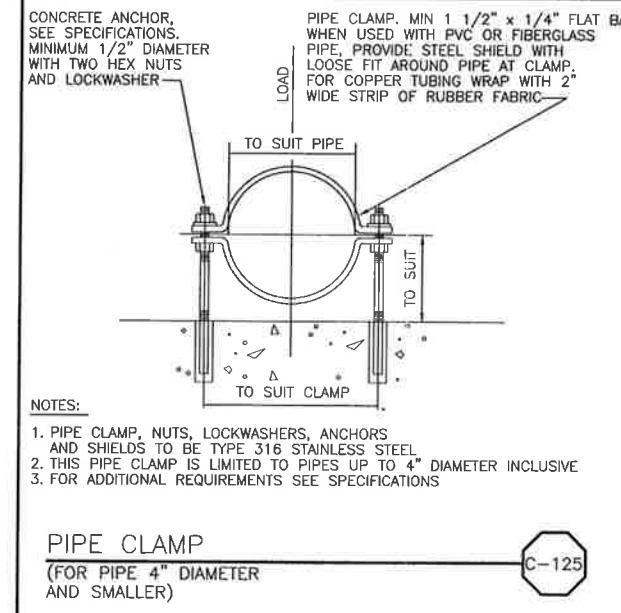
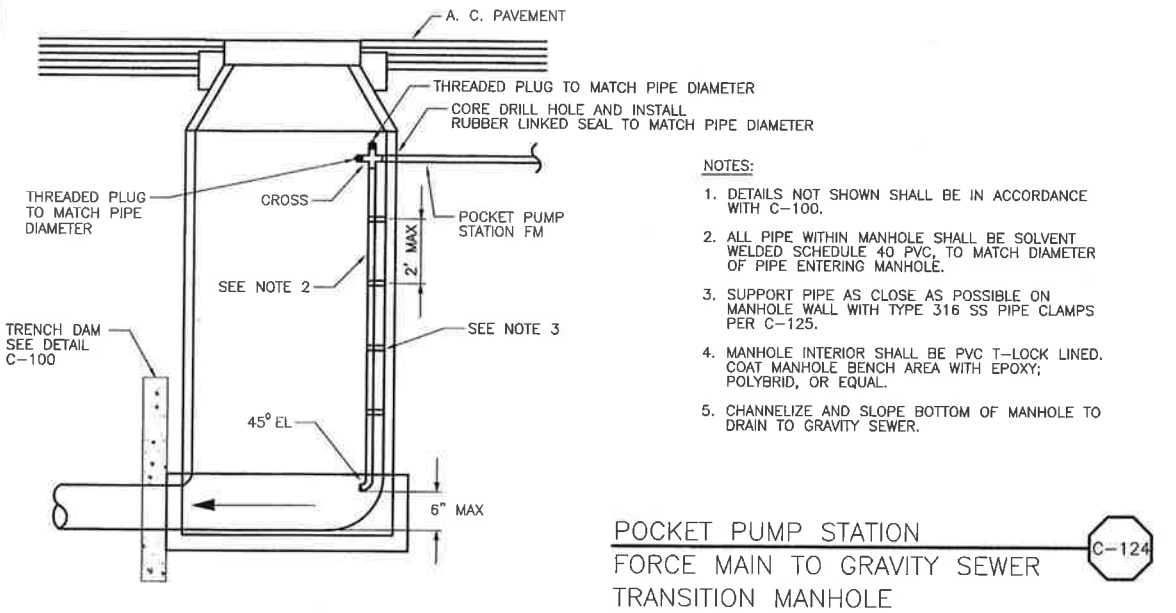
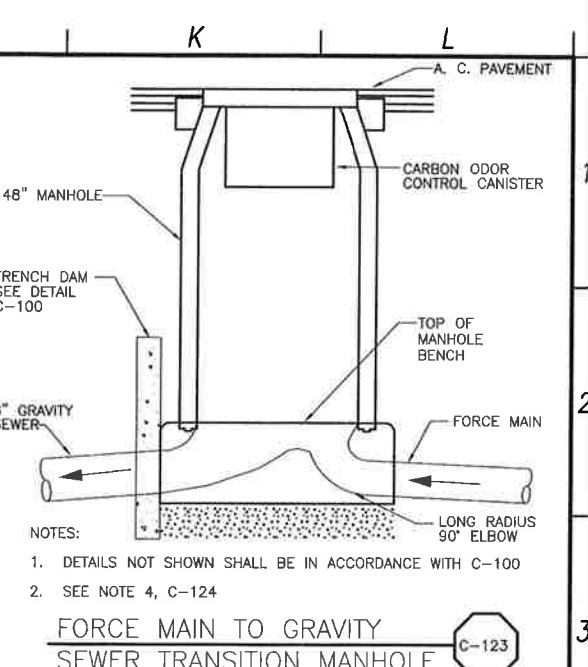
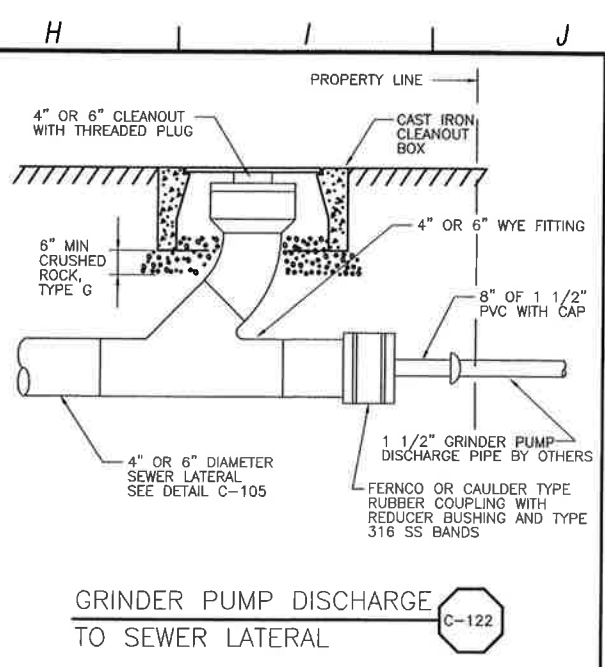
PROJECT NO. 42502-83120
 FILE NAME: D-GC-062
 SHEET NO.
 D-GC-062

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- NOTES:**
- CASING SHALL BE SMOOTH PIPE.
 - CARRIER PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - CARRIER PIPE SHALL BE TESTED BEFORE SEALING ENDS OF PIPE.
 - SKIDS SHALL BE GREASED TO FACILITATE CARRIER PIPE INSTALLATION.
 - SEE SPECIFICATION SECTION 02151 BORING AND JACKING FOR ADDITIONAL REQUIREMENTS.
 - CASING I.D. SHALL BE PIPE BELL O.D. PLUS 12" MIN, BUT NOT LESS THAN 20".
 - PROVIDE THREADED GROUT PORTS IN CASING TO ENABLE PRESSURE GROUTING. SEAL WITH THREADED CAST IRON OR STEEL PLUGS UPON COMPLETION.
 - BLOCK CARRIER PIPE TO PREVENT PIPE FLOTATION OR DISTURBANCE DURING SAND BACKFILLING.
 - IF TRENCHLESS SECTION INCLUDES CONDUITS, ADD 12" TO SUM OF CARRIER PIPE BELL OD AND LARGEST CONDUIT BELL OD TO ESTABLISH CASING I.D.

CASING SIZE	CASING WALL THICKNESS (a)	SKID SIZE
20", 22"	1/2" MIN	4" x 4"
24"	1/2" MIN	4" x 4"
26"	1/2" MIN	4" x 4"
30"	1/2" MIN	4" x 4"
34"	1/2" MIN	4" x 4"
40"	5/8" MIN	6" x 6"
44"	5/8" MIN	6" x 6"



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: MDM
 DATE: MARCH, 2012

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REGISTERED PROFESSIONAL ENGINEER
 D. WILSON
 No. 01655
 Exp. 6/30/15
 CIVIL
 STATE OF CALIFORNIA

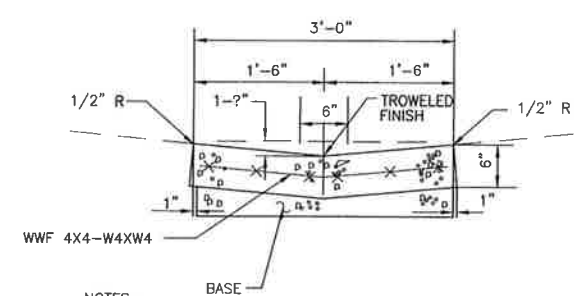
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LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL CIVIL
STANDARD CIVIL DETAILS - 4

PROJECT NO. 42502-83120
 FILE NAME: D-GC-063
 SHEET NO.
D-GC-063

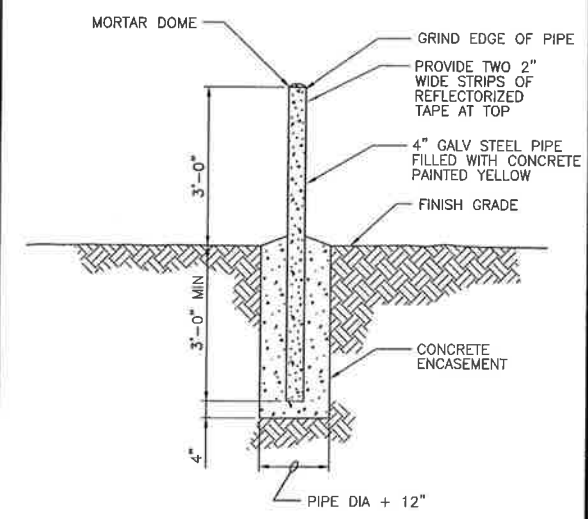
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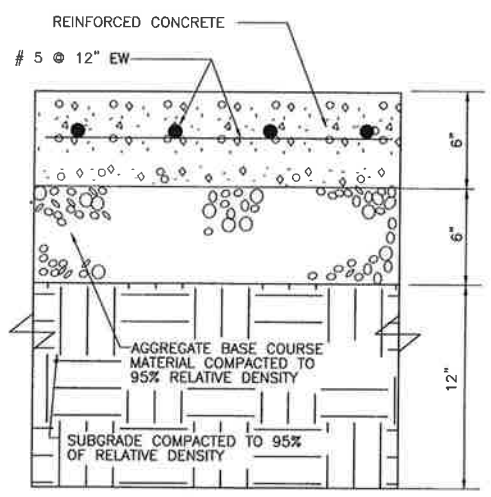


- NOTES:
1. EXPANSION JOINTS OF 1/2" PREMOLDED JOINT FILLER SHALL BE PLACED 50 FOOT SPACING AND WHERE GUTTER BUTTS OTHER CONCRETE STRUCTURES.
 2. BASE AND SUBGRADE PREPARATION SHALL MATCH ADJACENT PAVING.
 3. FOR PATCHING EXISTING GUTTERS, 24" CUT BACK MINIMUM.

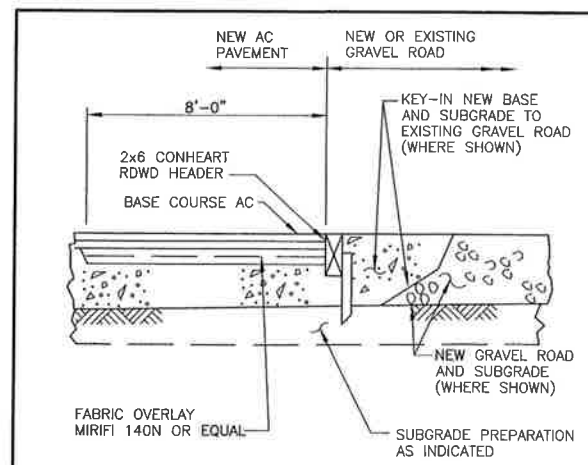
CONCRETE CROSS GUTTER
NOT TO SCALE C-127



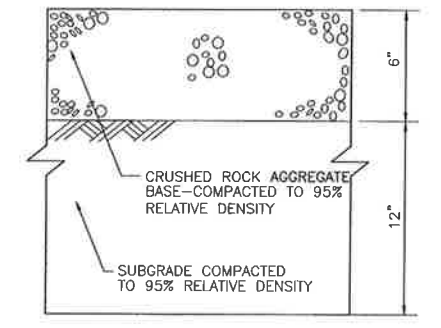
GUARD POST
NOT TO SCALE C-129



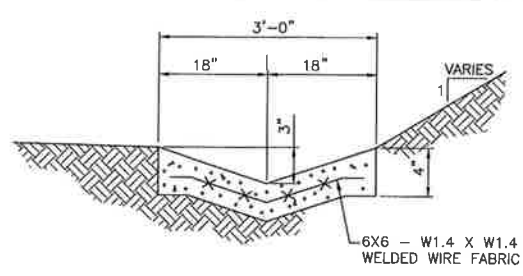
CONCRETE PAVEMENT
NOT TO SCALE C-131



AC PAVEMENT-GRAVEL TRANSITION
NOT TO SCALE C-141

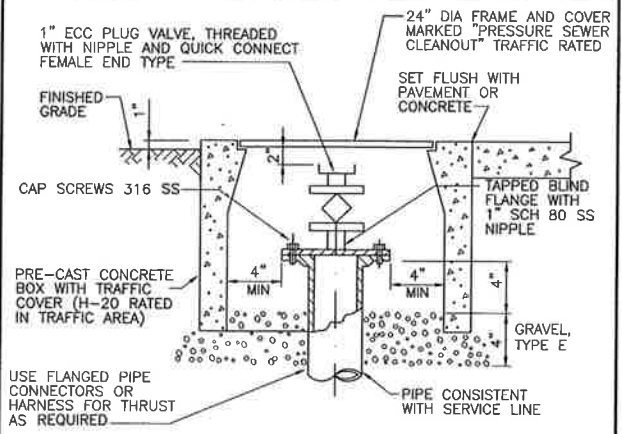


GRAVEL PAVING
NOT TO SCALE C-144



- NOTES:
1. EXPANSION JOINTS OF ONE-HALF INCH BITUMINOUS MATERIAL SHALL BE PLACED AT 50-FOOT SPACING AND WHERE SWALE BUTTS OTHER CONCRETE STRUCTURES.
 2. PREPARE BASE AND SUBBASE PER DETAIL C-131.

CONCRETE LINED SWALE
NOT TO SCALE C-206



PRESSURIZED SYSTEM CLEANOUT TO GRADE (PCOTG)
NOT TO SCALE C-305

REV. NO.	DATE	DRWN	CHKD	REMARKS

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 CHECKED BY: MDM
 DATE: MARCH, 2012

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0 1/2 1

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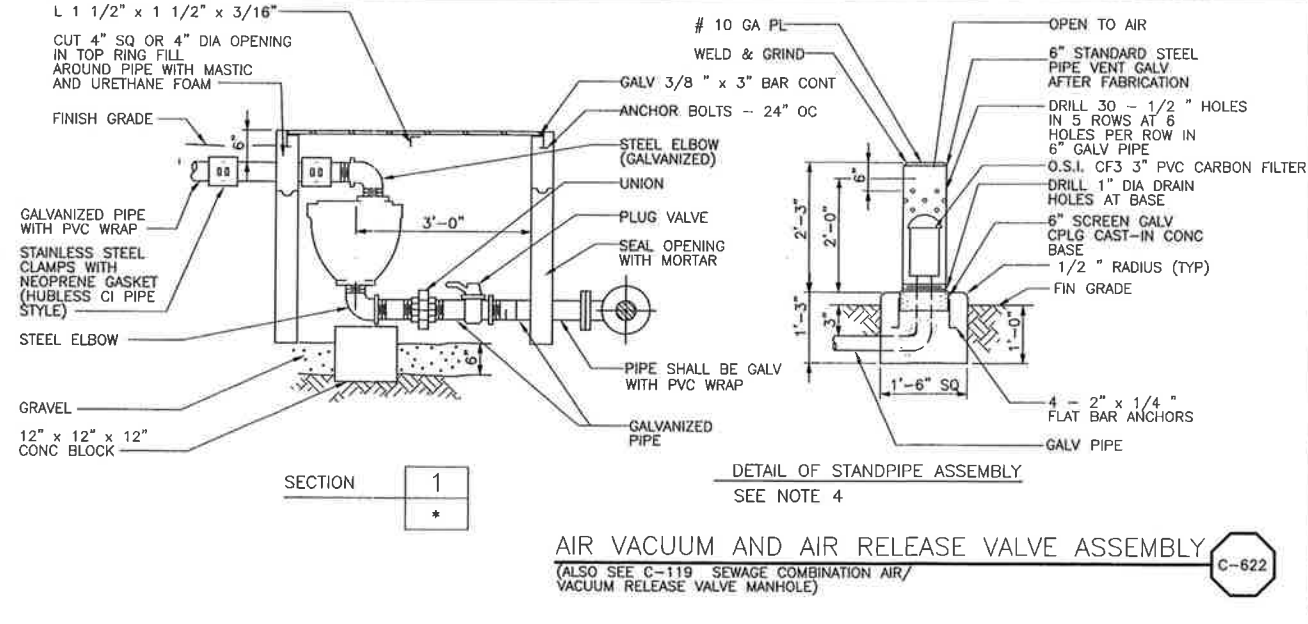
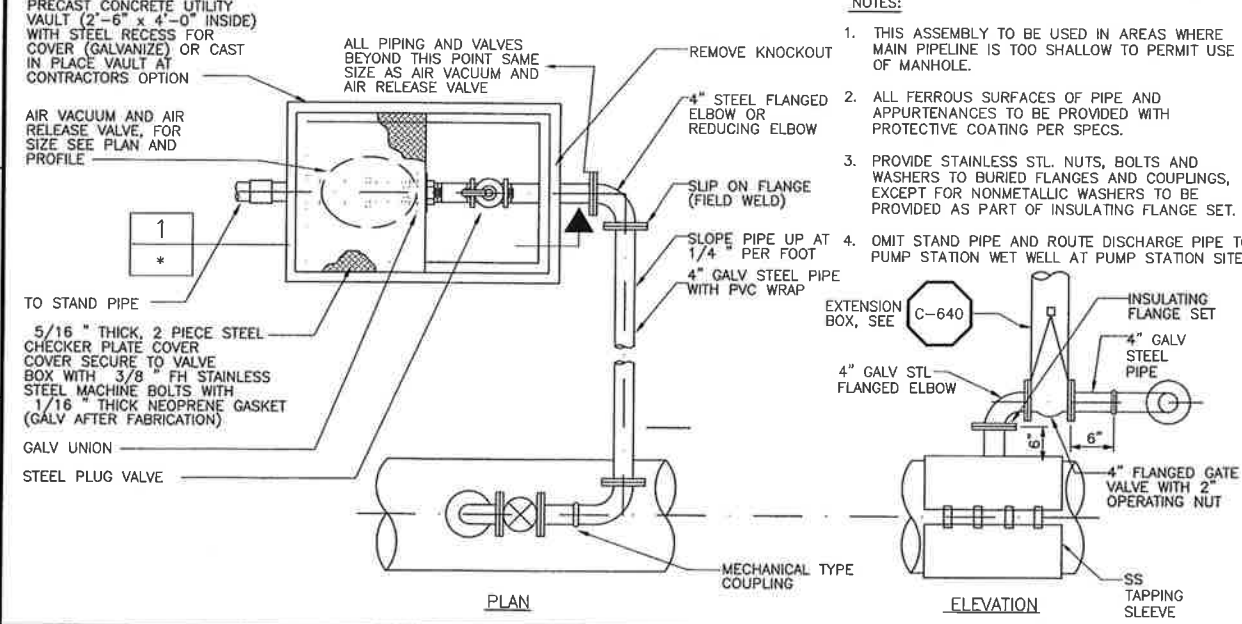
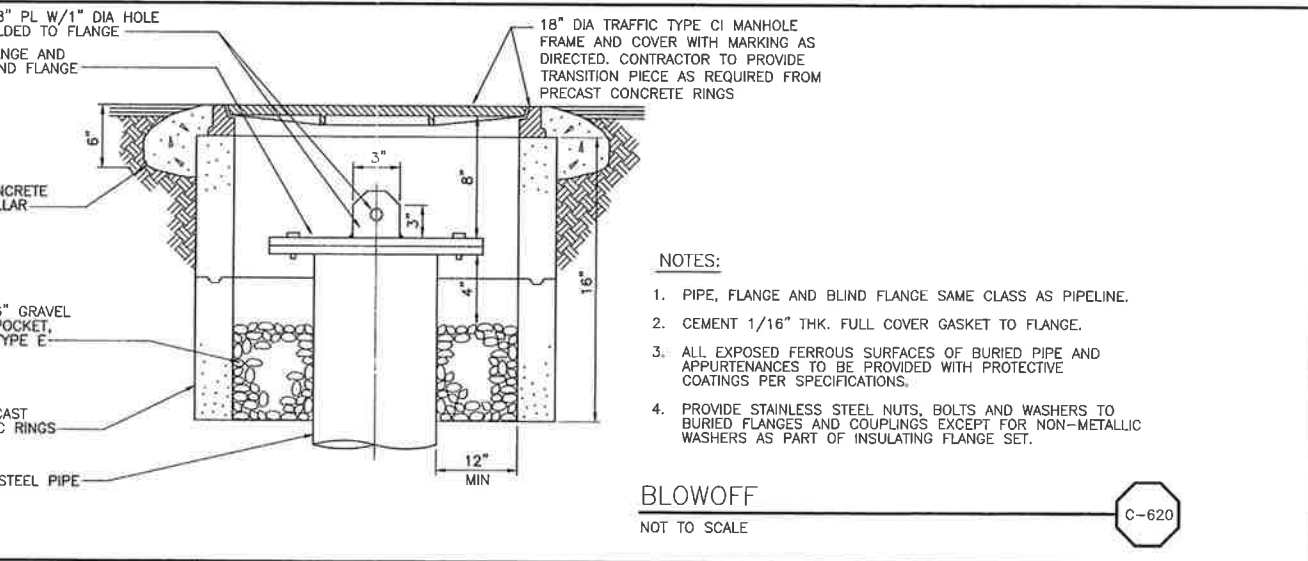
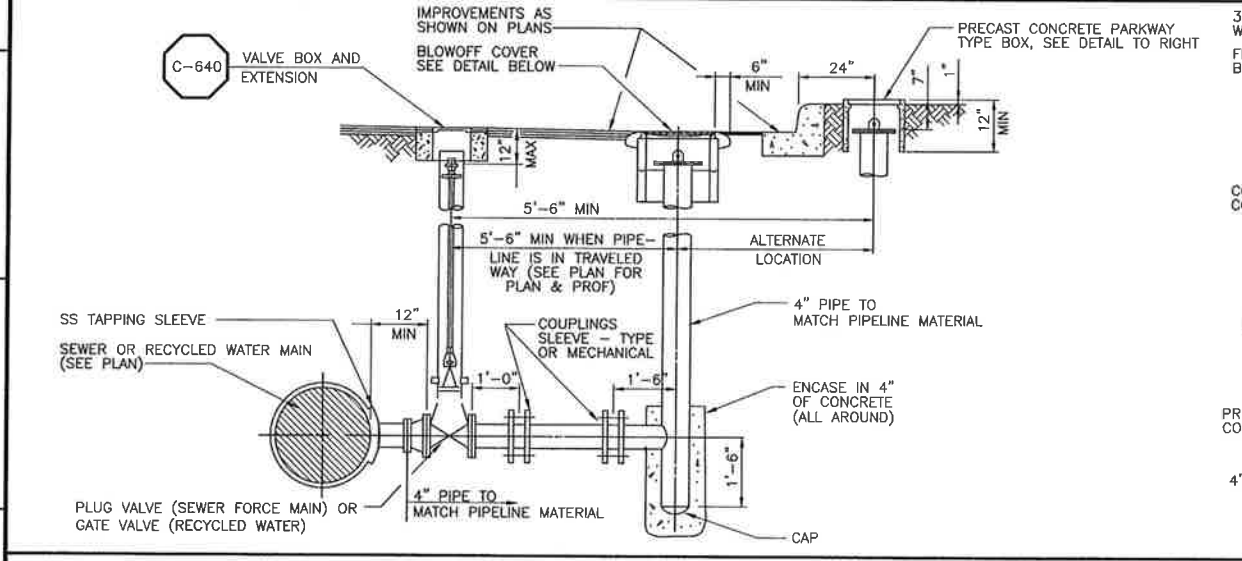
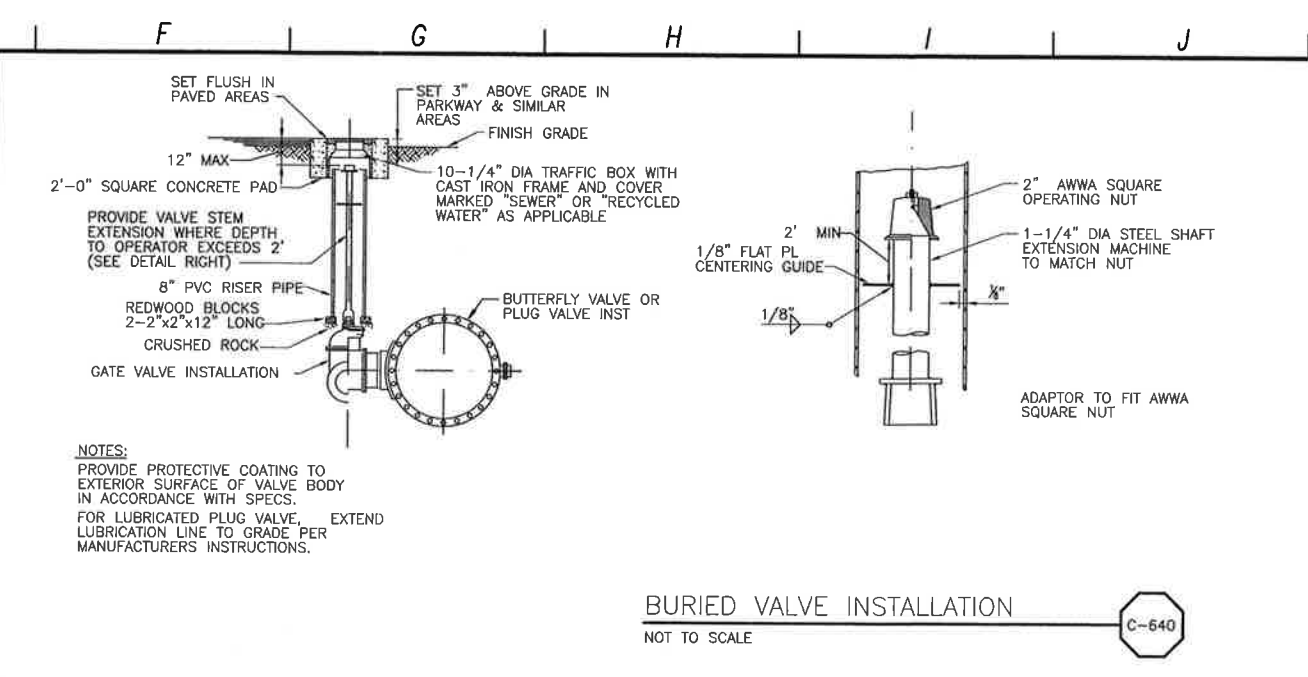
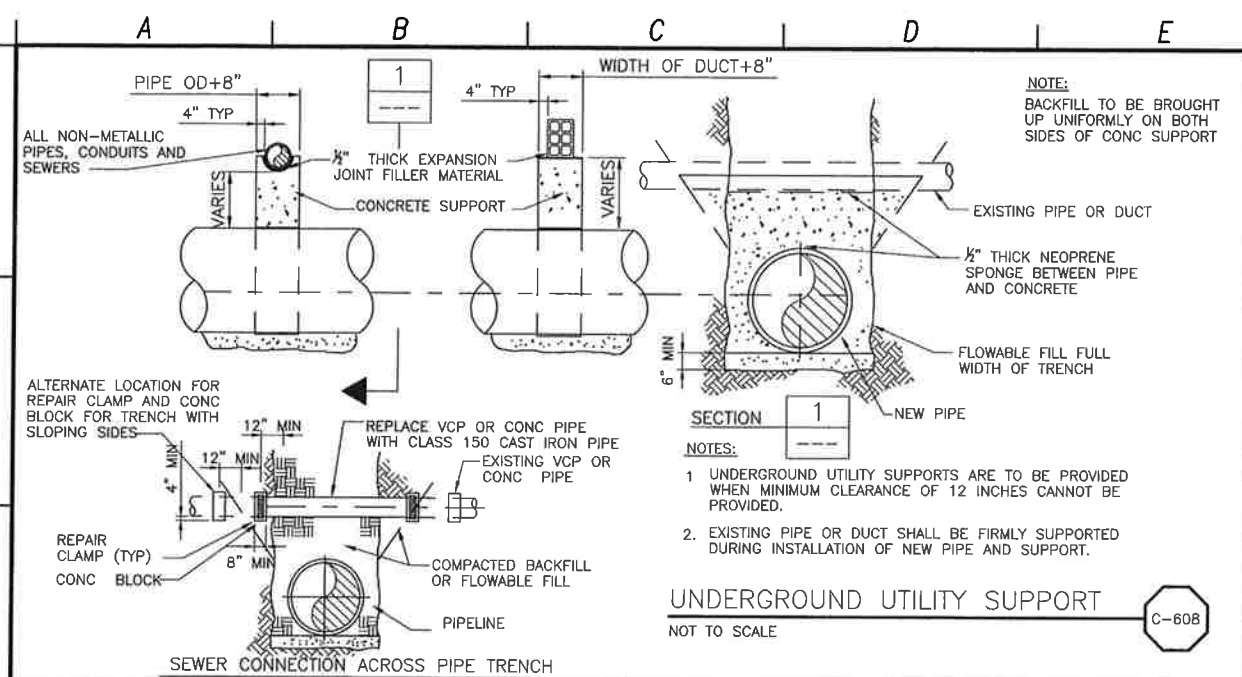
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LOS OSOS WASTEWATER COLLECTION SYSTEM

**GENERAL CIVIL
 STANDARD CIVIL DETAILS - 5**

PROJECT NO. 42502-83120
 FILE NAME: D-GC-064
 SHEET NO.
D-GC-064

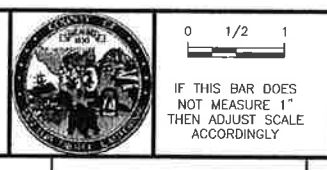
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REV. NO.	DATE	DRWN	CHKD	REMARKS

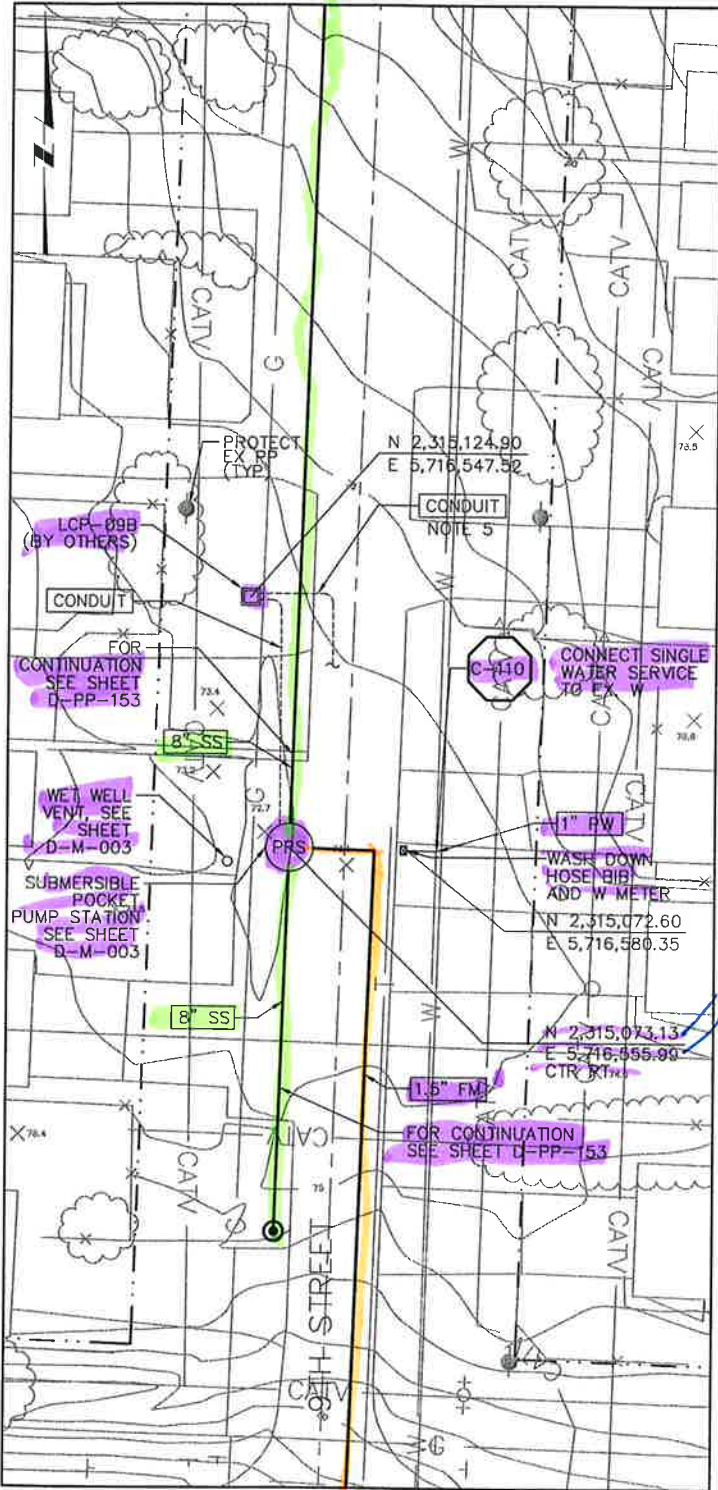
DESIGNED BY: BJC
 DRAWN BY: JAW
 CHECKED BY: MDM
 DATE: MARCH, 2012

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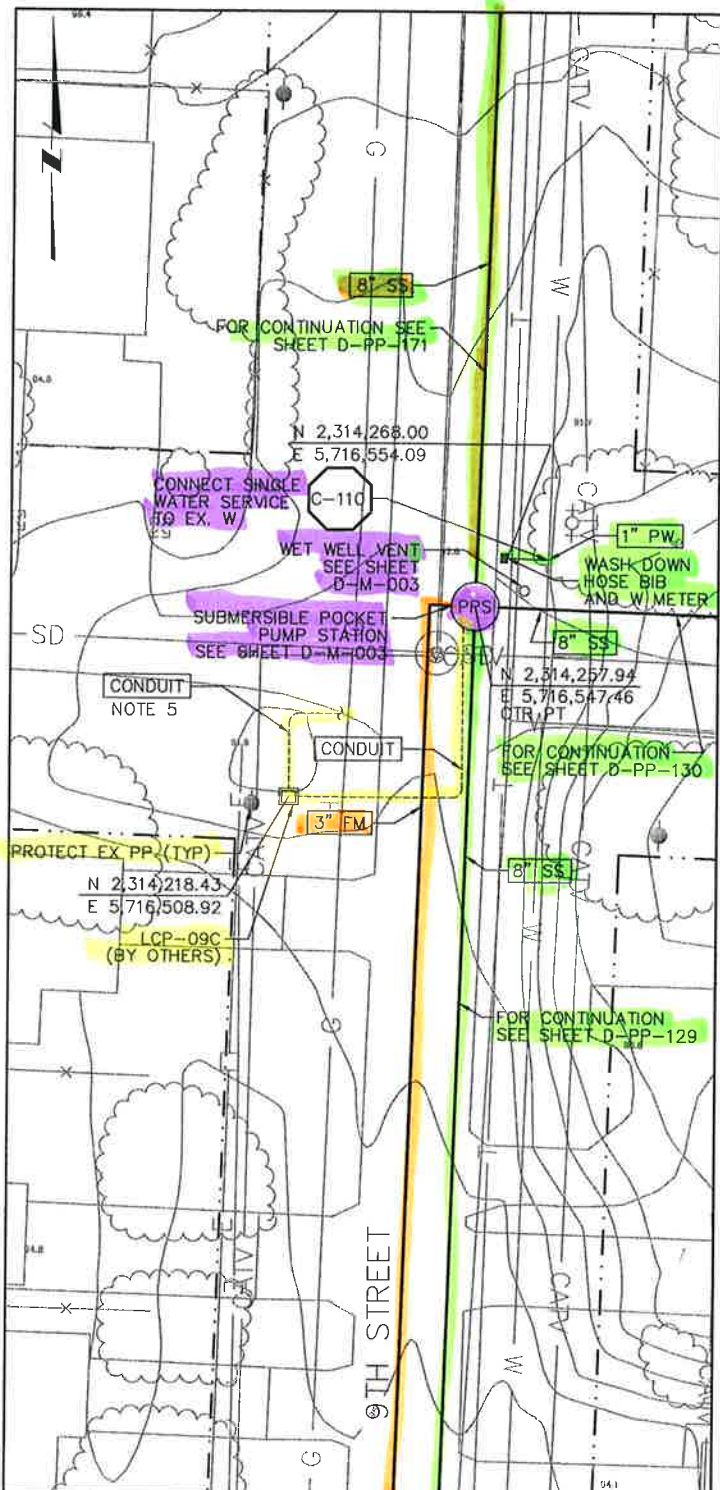


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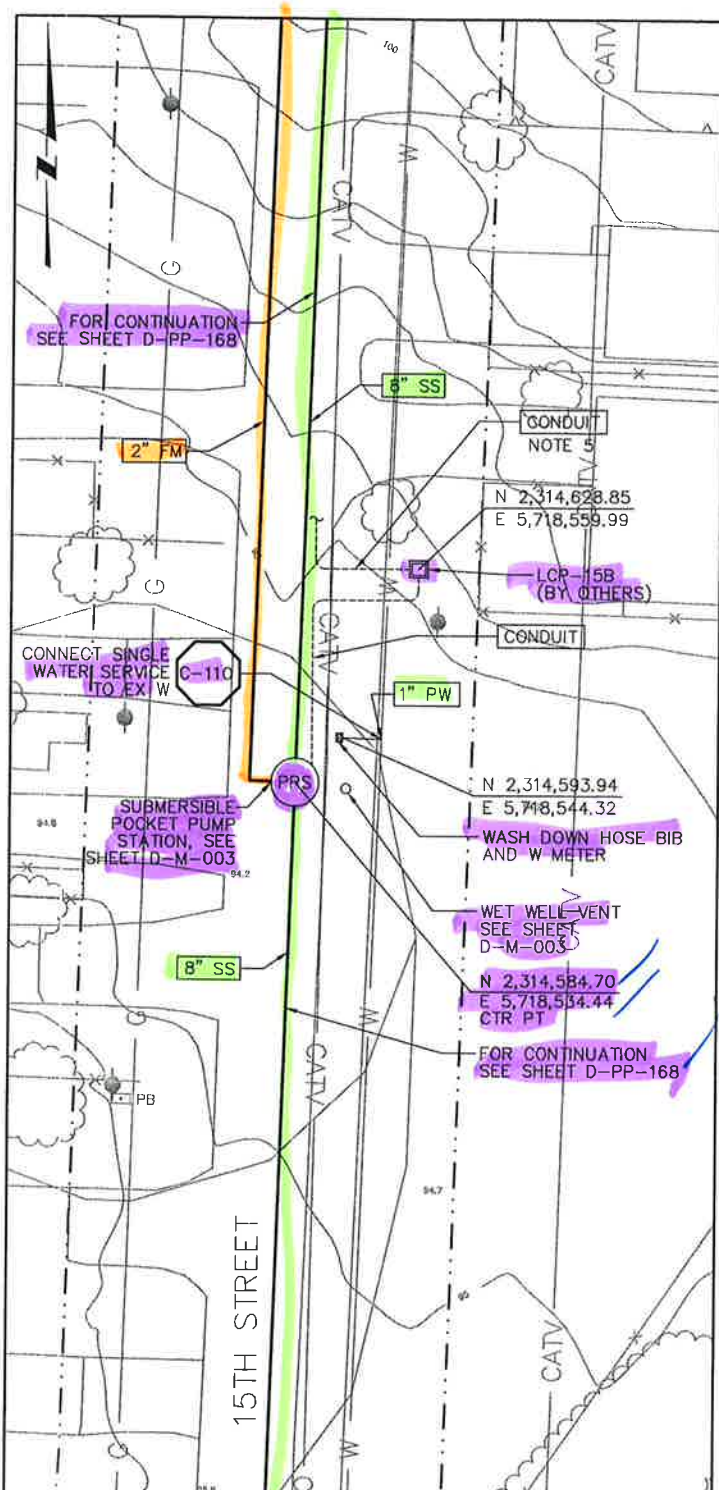
LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL CIVIL
STANDARD CIVIL DETAILS - 6
 PROJECT NO. 42502-83120
 FILE NAME: D-GC-065
 SHEET NO. D-GC-065



PPS-09B
PLAN
1" = 20'
10 0 20



PPS-09C
PLAN
1" = 20'
10 0 20



PPS-15B
PLAN
1" = 20'
10 0 20

- NOTES:
1. SEE SHEET D-E-401 FOR ELECTRICAL WORK.
 2. LIDS AND VAULTS TO BE TRAFFIC RATED FOR H-20 LOADING.
 3. COORDINATE ELECTRICAL DUCTBANK DEPTH AND LOCATION BEFORE INSTALLATION OF PROCESS PIPING.

4. SEE SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MH.
5. REFER TO CIVIL PLAN & PROFILE DRAWINGS FOR CONTINUATION OF CONDUIT ALONG PIPE LINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RLA
 DRAWN BY: MAR
 CHECKED BY: KS
 DATE: MARCH 2012

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0 1/2 1
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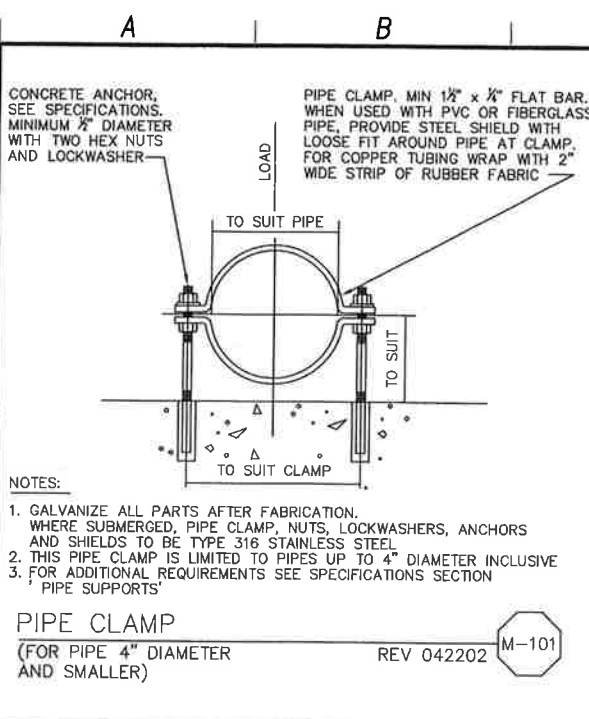


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LOS OSOS WASTEWATER COLLECTION SYSTEM
CIVIL
 PPS 09B, 09C, 15B SITE PLANS

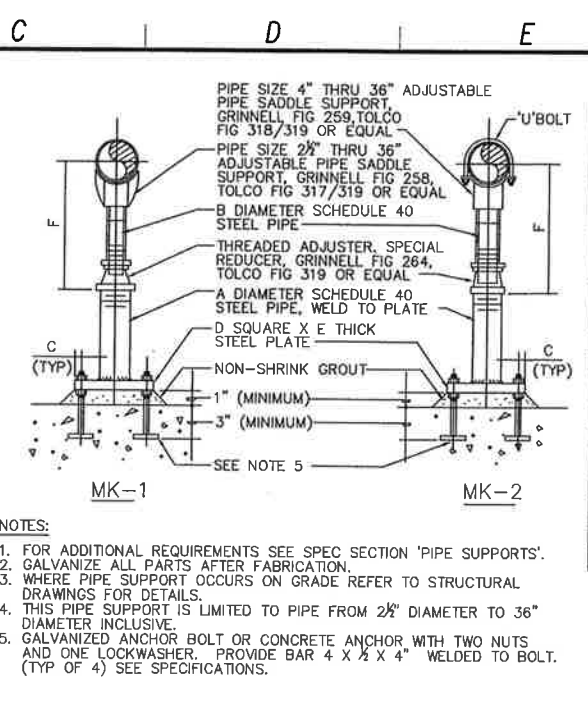
PROJECT NO. 42502-83120
 FILE NAME: D-C-404
 SHEET NO.
D-C-404

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PIPE CLAMP
 (FOR PIPE 4" DIAMETER AND SMALLER)
 REV 042202 M-101

NOTES:
 1. GALVANIZE ALL PARTS AFTER FABRICATION. WHERE SUBMERGED, PIPE CLAMP, NUTS, LOCKWASHERS, ANCHORS AND SHIELDS TO BE TYPE 316 STAINLESS STEEL.
 2. THIS PIPE CLAMP IS LIMITED TO PIPES UP TO 4" DIAMETER INCLUSIVE.
 3. FOR ADDITIONAL REQUIREMENTS SEE SPECIFICATIONS SECTION 'PIPE SUPPORTS'.



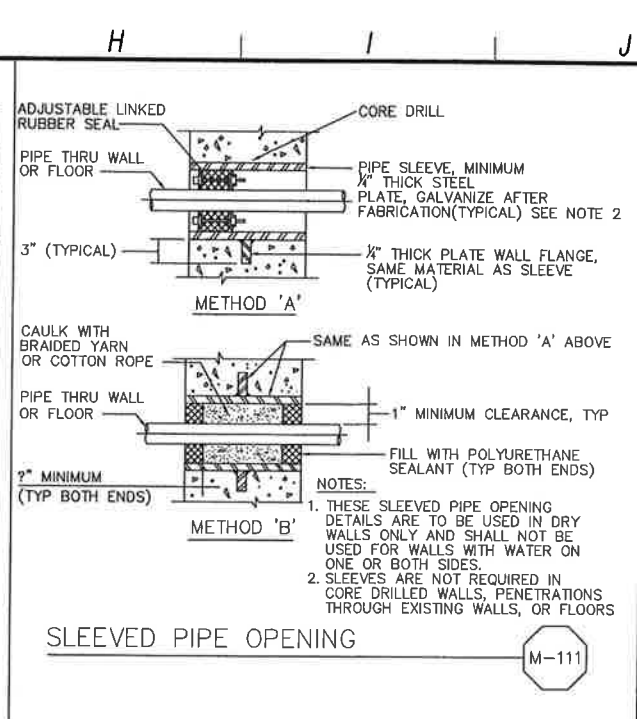
ADJUSTABLE PIPE SUPPORT WITH OR WITHOUT 'U' BOLT
 (FOR PIPE 36" DIAMETER AND SMALLER)
 REV 011402 M-108

NOTES:
 1. FOR ADDITIONAL REQUIREMENTS SEE SPEC SECTION 'PIPE SUPPORTS'.
 2. GALVANIZE ALL PARTS AFTER FABRICATION.
 3. WHERE PIPE SUPPORT OCCURS ON GRADE REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
 4. THIS PIPE SUPPORT IS LIMITED TO PIPE FROM 2 1/2" DIAMETER TO 36" DIAMETER INCLUSIVE.
 5. GALVANIZED ANCHOR BOLT OR CONCRETE ANCHOR WITH TWO NUTS AND ONE LOCKWASHER, PROVIDE BAR 4 X 1/2 X 4" WELDED TO BOLT. (TYP OF 4) SEE SPECIFICATIONS.

DIMENSIONS IN INCHES

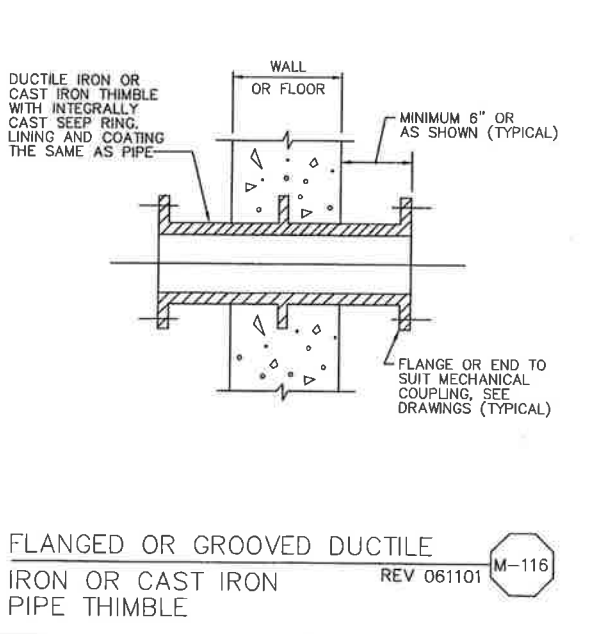
NOMINAL PIPE SIZE	A	B	C	D	E	F (APPROX)	
						(MINIMUM)	(MAXIMUM)
2 1/2	2	1 1/2	1	6	3/8	7	11 1/2
3	2	1 1/2	1	6	3/8	7 1/2	11 3/4
3 1/2	2	1 1/2	1	6	3/8	7 1/2	12 1/4
4	3	2 1/2	1 1/2	7 1/2	1/2	10 1/4	14 1/4
6	3	2 1/2	1 1/2	7 1/2	1/2	11 1/4	16 1/4
8	3	2 1/2	1 1/2	7 1/2	1/2	13 1/4	18 1/4
10	3	2 1/2	1 1/2	7 1/2	1/2	14 1/4	19 1/4
12	3	2 1/2	1 1/2	7 1/2	1/2	15 1/4	20 1/4
14	4	3	1 1/2	9	3/4	18 1/4	23 1/4
16	4	3	1 1/2	9	3/4	19 1/4	24 1/4
18	6	4	1 1/2	11	3/4	22 1/4	26 1/4
20	6	4	1 1/2	11	3/4	23 1/4	27 1/4
24	6	4	1 1/2	11	3/4	26 1/4	31
30	6	4	1 1/2	11	3/4	29 1/4	34 1/4
32	6	4	1 1/2	11	3/4	30 1/4	35 1/4
36	6	4	1 1/2	11	3/4	32 1/4	37 1/4

* SEE MANUFACTURER

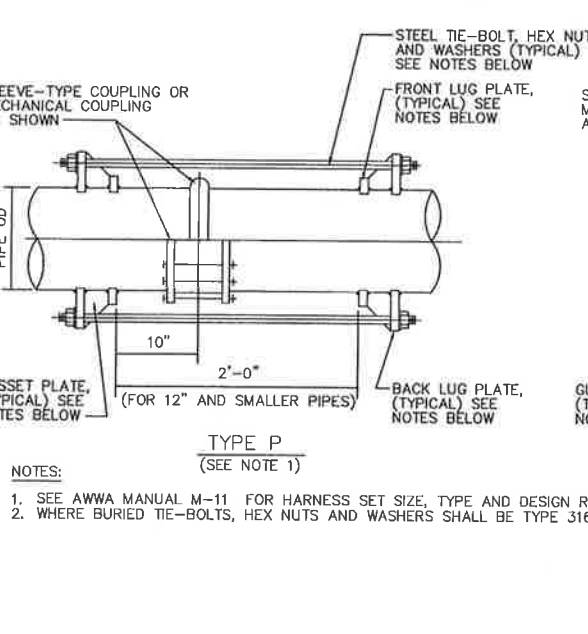


SLEEVED PIPE OPENING
 REV 011402 M-111

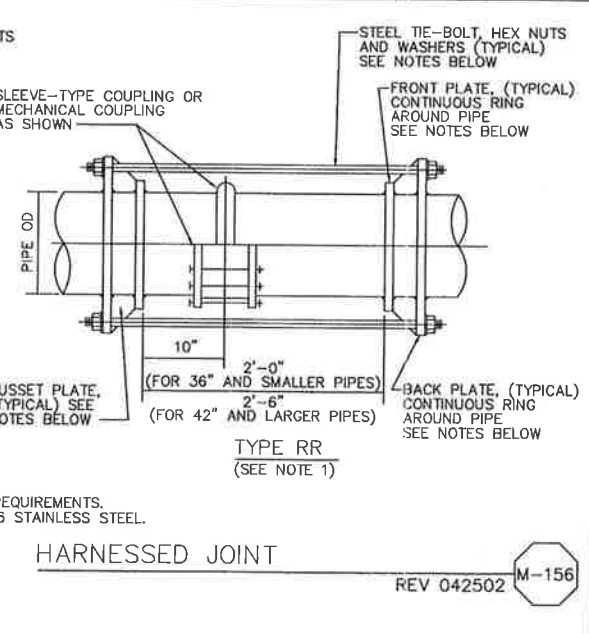
NOTES:
 1. THESE SLEEVED PIPE OPENING DETAILS ARE TO BE USED IN DRY WALLS ONLY AND SHALL NOT BE USED FOR WALLS WITH WATER ON ONE OR BOTH SIDES.
 2. SLEEVES ARE NOT REQUIRED IN CORE DRILLED WALLS, PENETRATIONS THROUGH EXISTING WALLS, OR FLOORS.



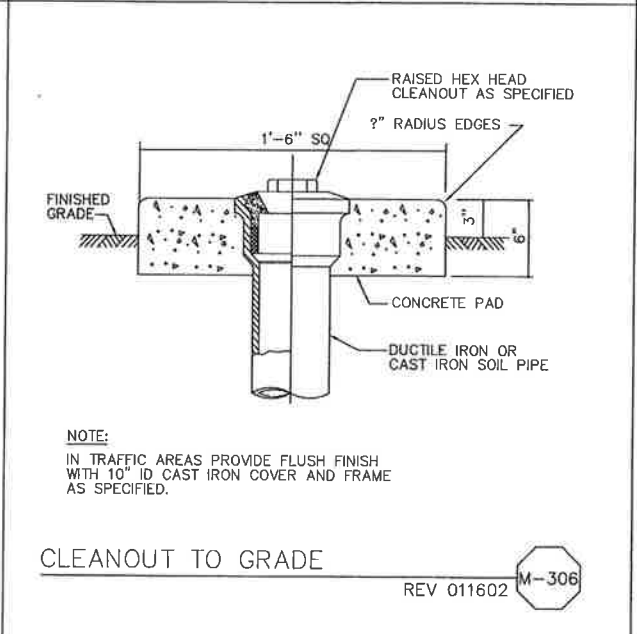
FLANGED OR GROOVED DUCTILE IRON OR CAST IRON PIPE THIMBLE
 REV 061101 M-116



TYPE P (SEE NOTE 1)
NOTES:
 1. SEE AWWA MANUAL M-11 FOR HARNESS SET SIZE, TYPE AND DESIGN REQUIREMENTS.
 2. WHERE BURIED TIE-BOLTS, HEX NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL.

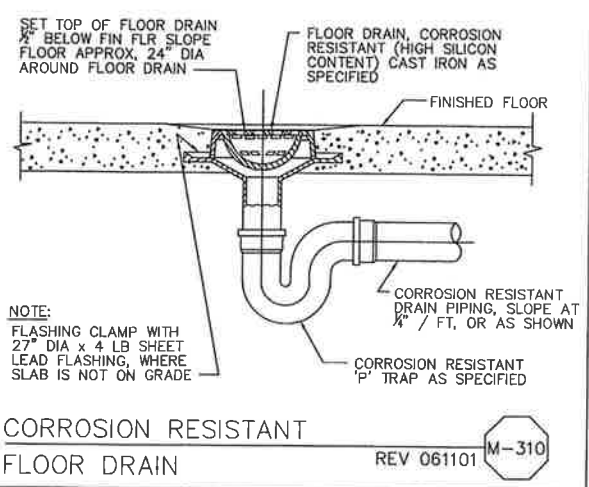


TYPE RR (SEE NOTE 1)
HARNESSED JOINT
 REV 042502 M-156



CLEANOUT TO GRADE
 REV 011602 M-306

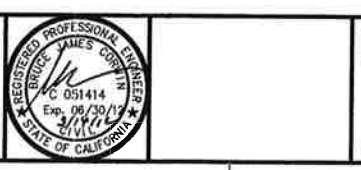
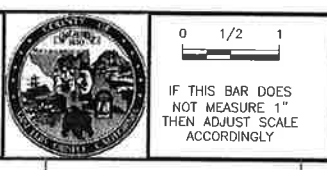
NOTE:
 IN TRAFFIC AREAS PROVIDE FLUSH FINISH WITH 10" ID CAST IRON COVER AND FRAME AS SPECIFIED.



CORROSION RESISTANT FLOOR DRAIN
 REV 061101 M-310

NOTE:
 FLASHING CLAMP WITH 27" DIA X 4 LB SHEET LEAD FLASHING, WHERE SLAB IS NOT ON GRADE.

DESIGNED BY: ALP
 DRAWN BY: MAR
 CHECKED BY: SBM
 DATE: MARCH 2012

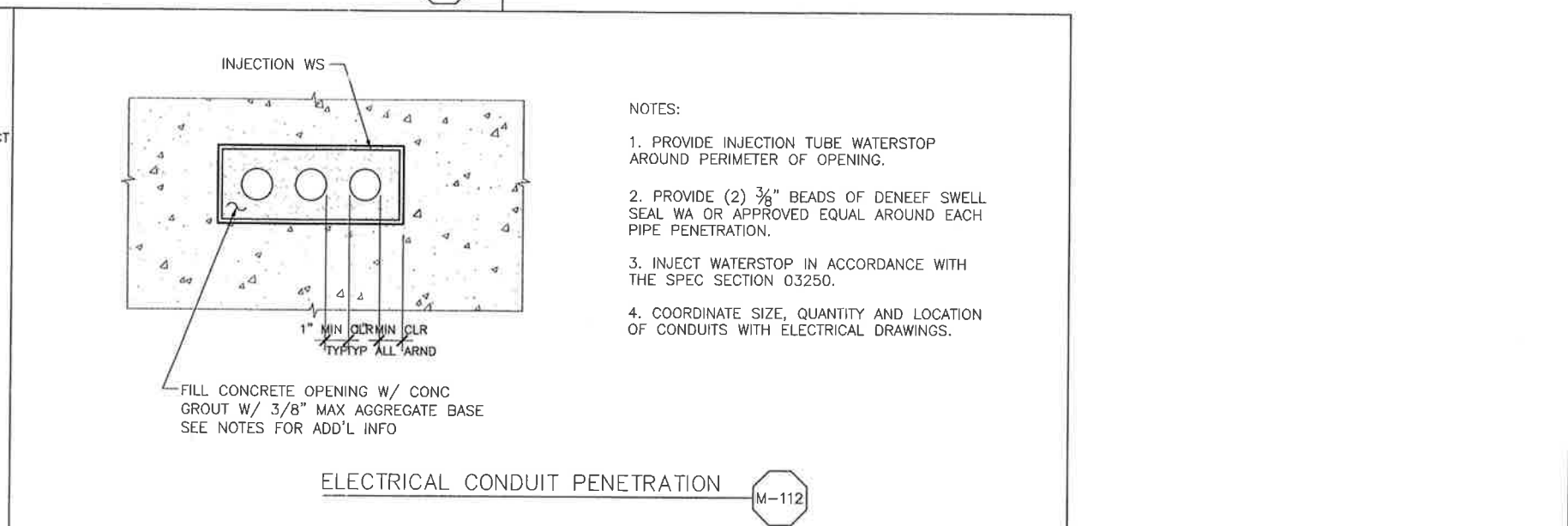
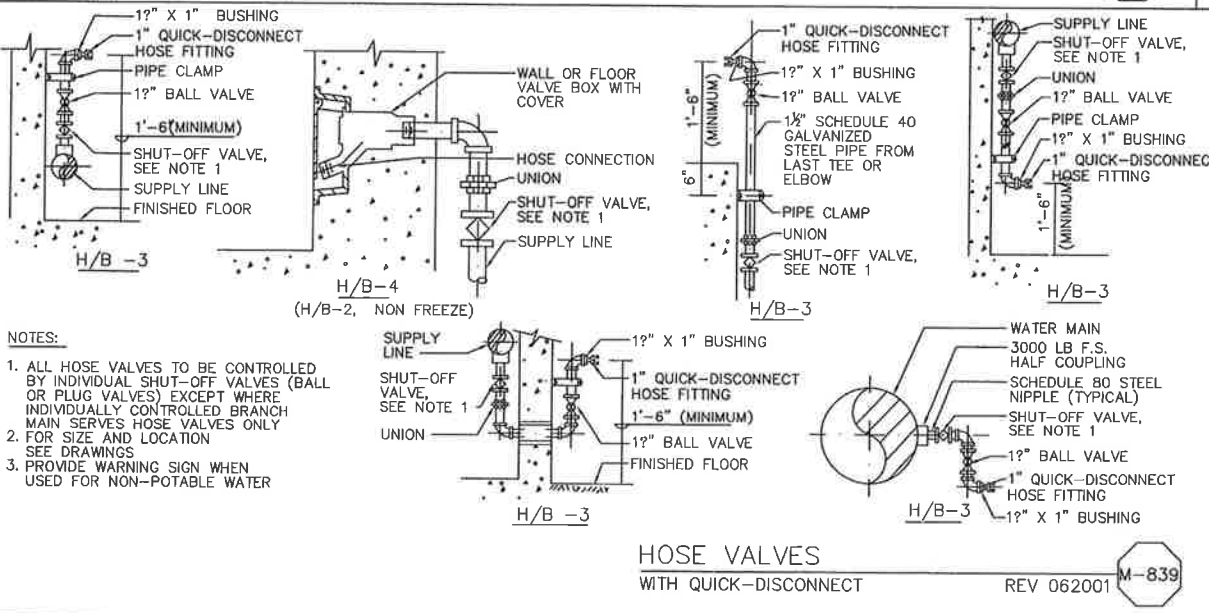
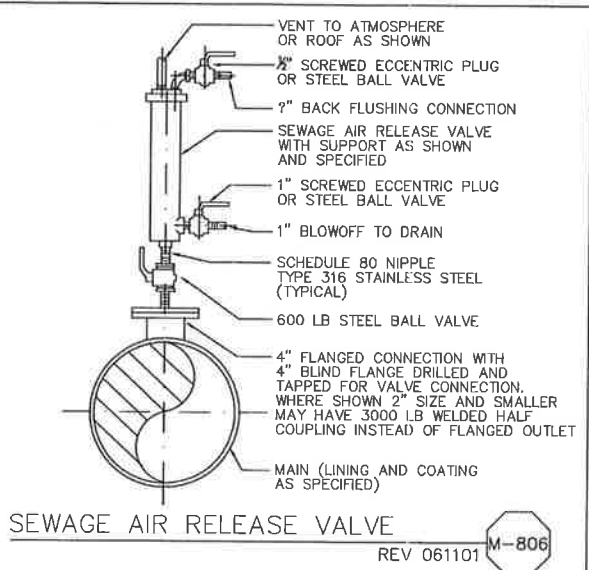
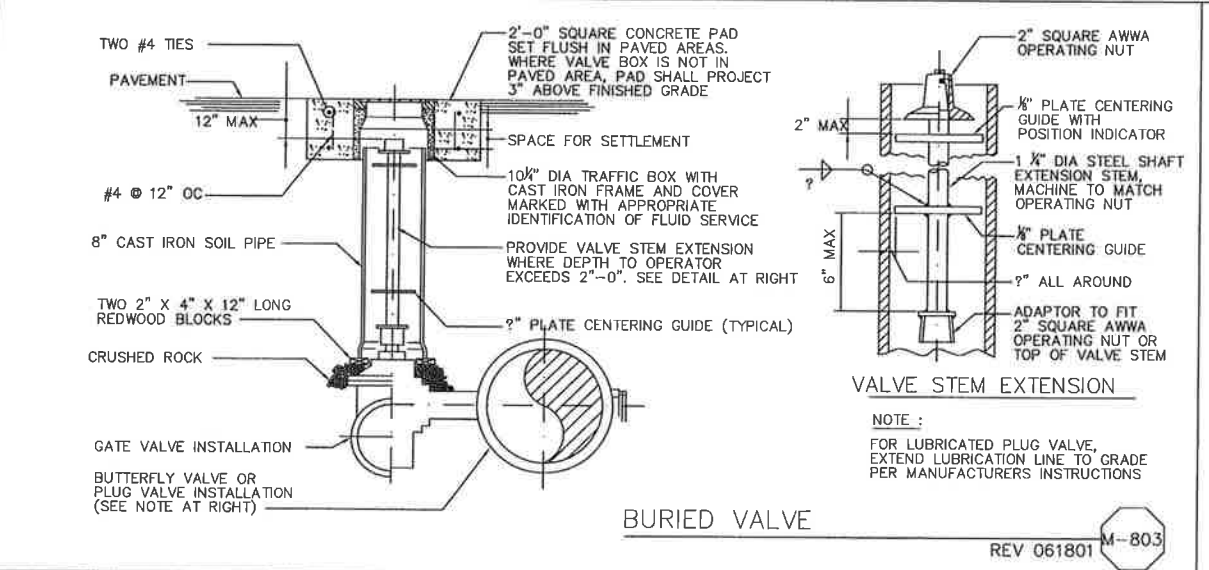
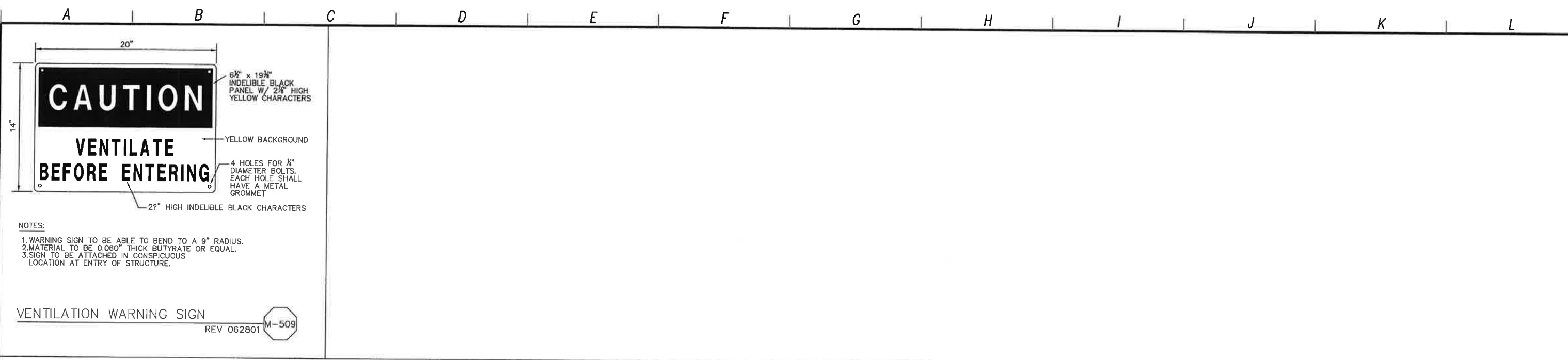


LOS OSOS WASTEWATER COLLECTION SYSTEM
MECHANICAL STANDARD DETAILS - 1

PROJECT NO. 42502-83120
 FILE NAME: D-M-001
 SHEET NO.
D-M-001

REV. NO.	DATE	DRWN	CHKD	REMARKS

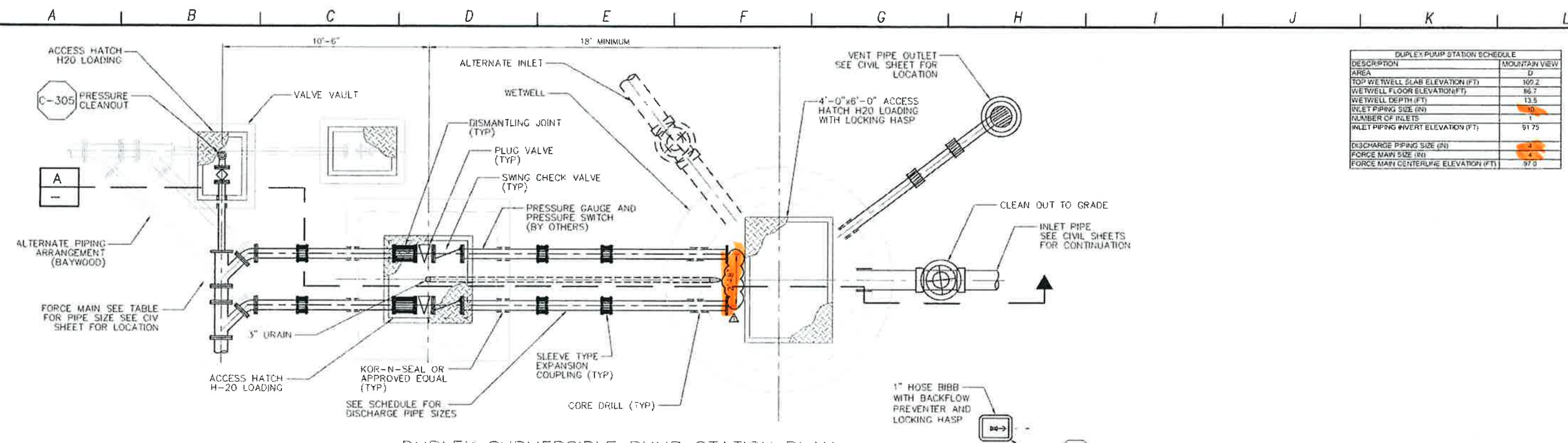
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 REUSE OF DOCUMENTS: N:\VAC02008\01-sheets\01-ssos\01-ssos.dwg 03/14/12 10:18 rsmhmc XREFS: LosOsos-bor, CA-BUC



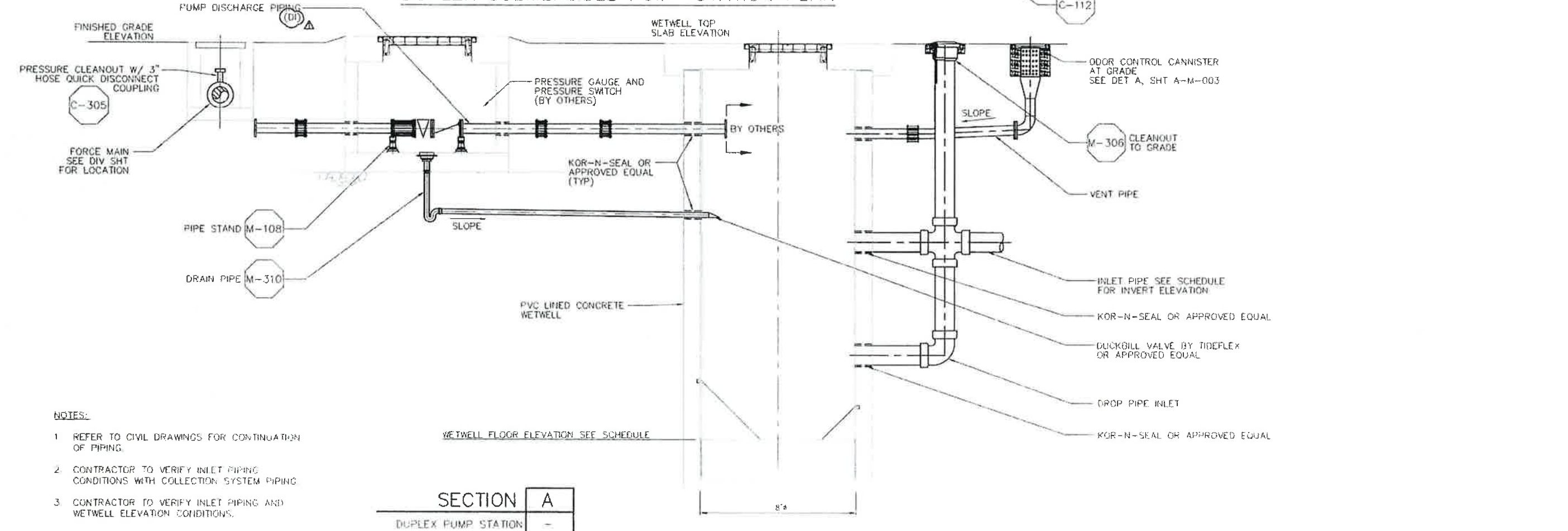
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>REV. NO.</th><th>DATE</th><th>DRWN</th><th>CHKD</th><th>REMARKS</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	REV. NO.	DATE	DRWN	CHKD	REMARKS						DESIGNED BY: ALP DRAWN BY: MAR CHECKED BY: SBM DATE: MARCH 2012	 2295 Gateway Oaks Drive, Suite 240 Sacramento, CA 95833 Tel: (916) 567-9900	 BRUCE JAMES C 051414 Exp. 06/30/14	 DIAL TOLL FREE 1-800-642-2444 AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA	LOS OSOS WASTEWATER COLLECTION SYSTEM MECHANICAL STANDARD DETAILS - 2	PROJECT No. 42502-83120 FILE NAME: D-M-002 SHEET NO. D-M-002
REV. NO.	DATE	DRWN	CHKD	REMARKS												

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DUPLEX PUMP STATION SCHEDULE	
DESCRIPTION	MOUNTAIN VIEW
AREA	0
TOP WETWELL SLAB ELEVATION (FT)	100.2
WETWELL FLOOR ELEVATION (FT)	86.7
WETWELL DEPTH (FT)	13.5
INLET PIPING SIZE (IN)	4
NUMBER OF INLETS	1
INLET PIPING INVERT ELEVATION (FT)	91.75
DISCHARGE PIPING SIZE (IN)	4
FORCE MAIN SIZE (IN)	4
FORCE MAIN CENTERLINE ELEVATION (FT)	97.0



DUPLEX SUBMERSIBLE PUMP STATION PLAN



- NOTES:**
- REFER TO CIVIL DRAWINGS FOR CONTINUATION OF PIPING.
 - CONTRACTOR TO VERIFY INLET PIPING CONDITIONS WITH COLLECTION SYSTEM PIPING.
 - CONTRACTOR TO VERIFY INLET PIPING AND WETWELL ELEVATION CONDITIONS.

SECTION A
DUPLEX PUMP STATION

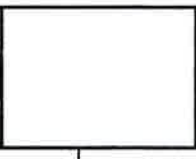
REV NO.	DATE	DRWN	CHKD	REMARKS
1	5/01/12	LLB	MMM	ADDENDUM #2

DESIGNED BY: MTH
 DRAWN BY: JAW
 CHECKED BY: ECP
 DATE: APRIL 2012

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 Sacramento, CA 95833
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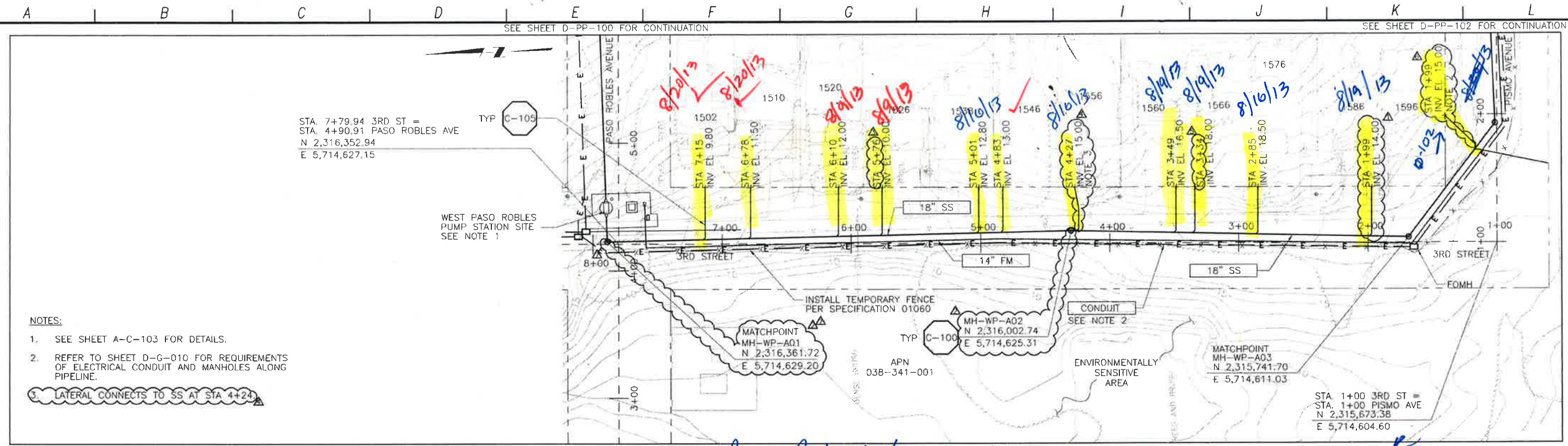
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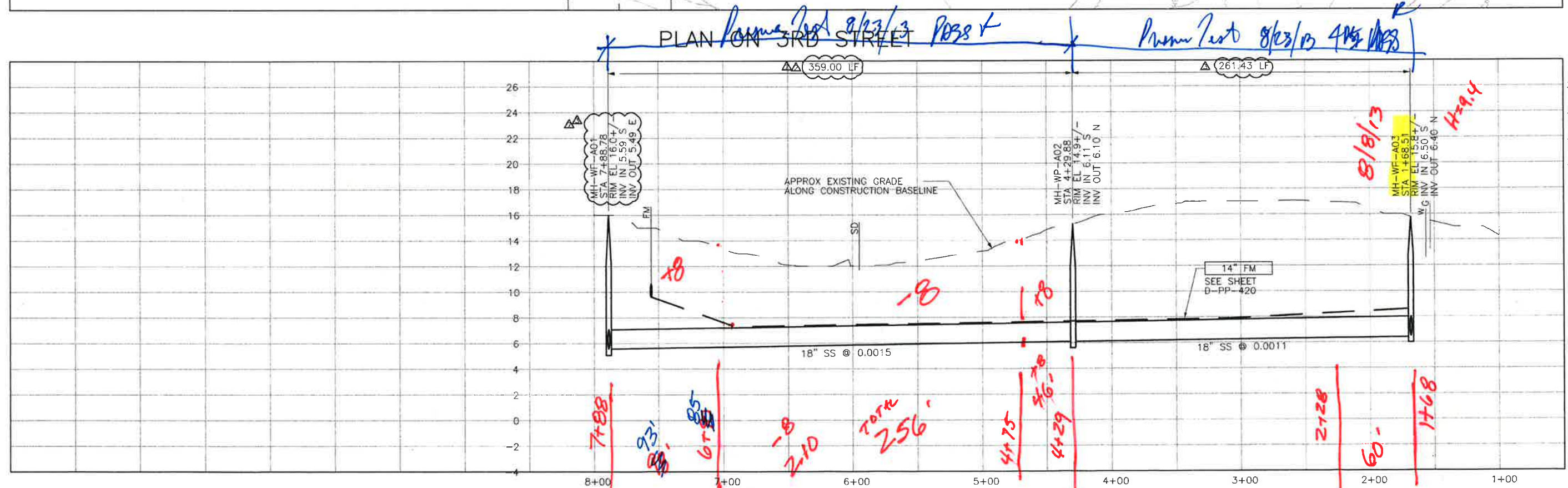
LOS OSOS WASTEWATER COLLECTION SYSTEM
MECHANICAL SUBMERSIBLE PUMP STATIONS
DUPLEX LAYOUT - PLAN & SECTION

PROJECT NO: 42502-B3120
 FILE NAME: D-M-004
 SHEET NO:
D-M-004

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- NOTES:**
- SEE SHEET A-C-103 FOR DETAILS.
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - LATERAL CONNECTS TO SS AT STA 4+24



REV. NO.	DATE	DRWN	CHKD	REMARKS
1	7/18/13	LLB	MDM	DCM 76 - MH RELOCATION
2	7/08/13	LLB	MDM	NOC 66 - LATERAL RELOCATION
3	4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATION
4	2/29/13	LLB	MDM	NOC 40 - LATERAL RELOCATION
5	2/13/13	LLB	MDM	NOC 38 - LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
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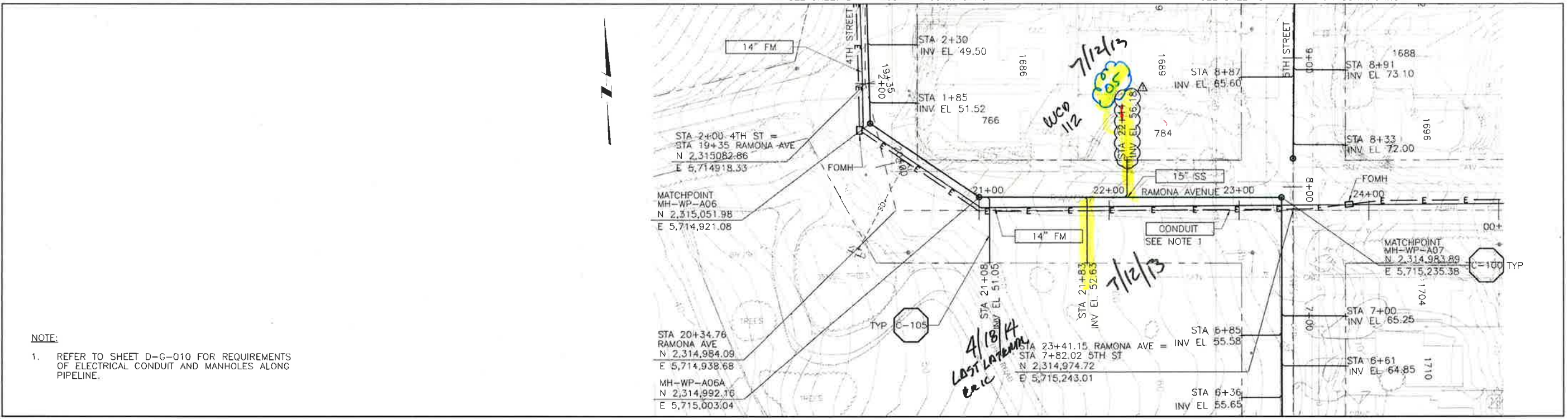
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
3RD STREET
 STA. 7+79.38 TO 1+68.51

PROJECT NO. 42502-83120
 FILE NAME: D-PP-101
 SHEET NO.
D-PP-101.6

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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A B C D E F G H I J K L



NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON RAMONA AVENUE



PROFILE ON RAMONA AVENUE

CONSTRUCTION
 BASELINE
 STATION

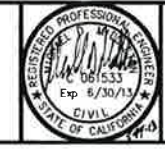
REV. NO.	DATE	DRWN	CHKD	REMARKS
5/13/13	LLB	MDM	NOC 49 - LATERAL RELOCATION	

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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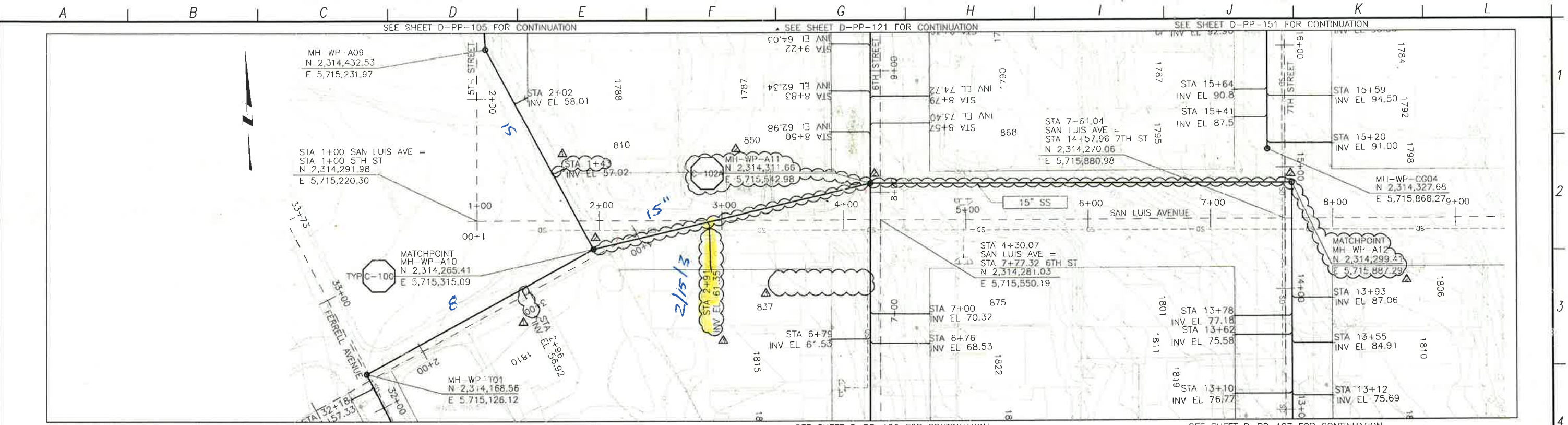
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
RAMONA AVE
 STA. 19+65.96 TO 23+32.55

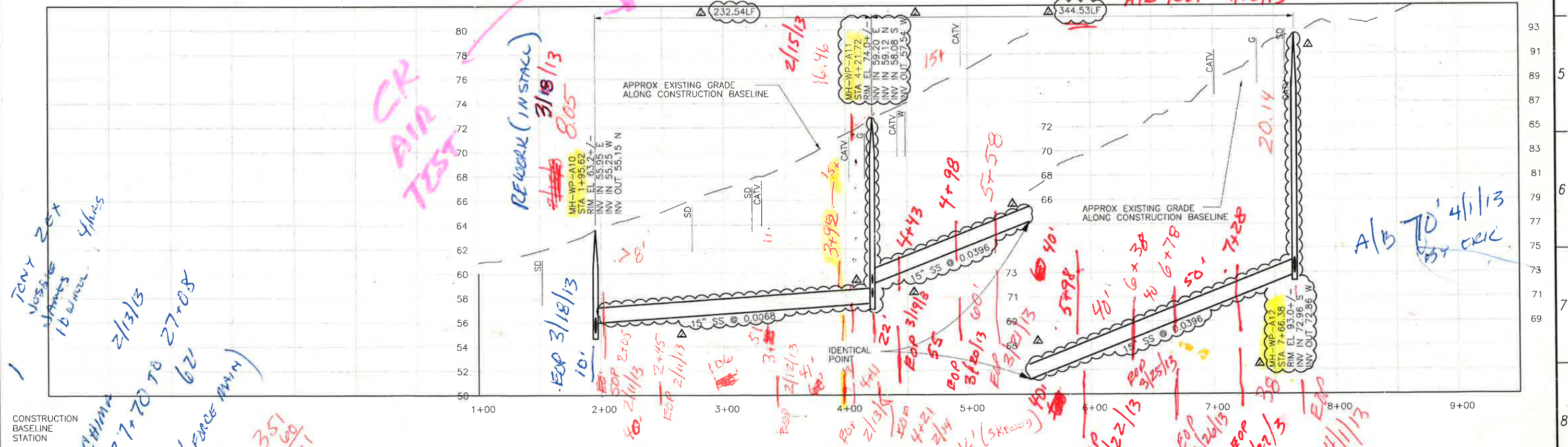
PROJECT NO. 42502-83120
 FILE NAME: D-PP-104
 SHEET NO.
D-PP-104.1

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON SAN LUIS AVENUE

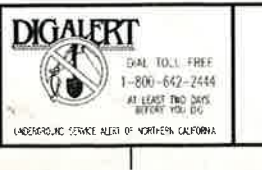


PROFILE ON SAN LUIS AVENUE

REV NO.	DATE	DRWN	CHKD	REMARKS
1	1/23/13	LLB	MDM	NOC 32 - LATERAL RELOCATION
2	1/23/13	LLB	MDM	NOC 31 - SS REALIGNMENT
3	12/05/12	LLB	MDM	RNOC 20 - LATERAL RELOCATION

DESIGNED BY: SDN
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 CHECKED BY: MDM
 DATE: APRIL 2012

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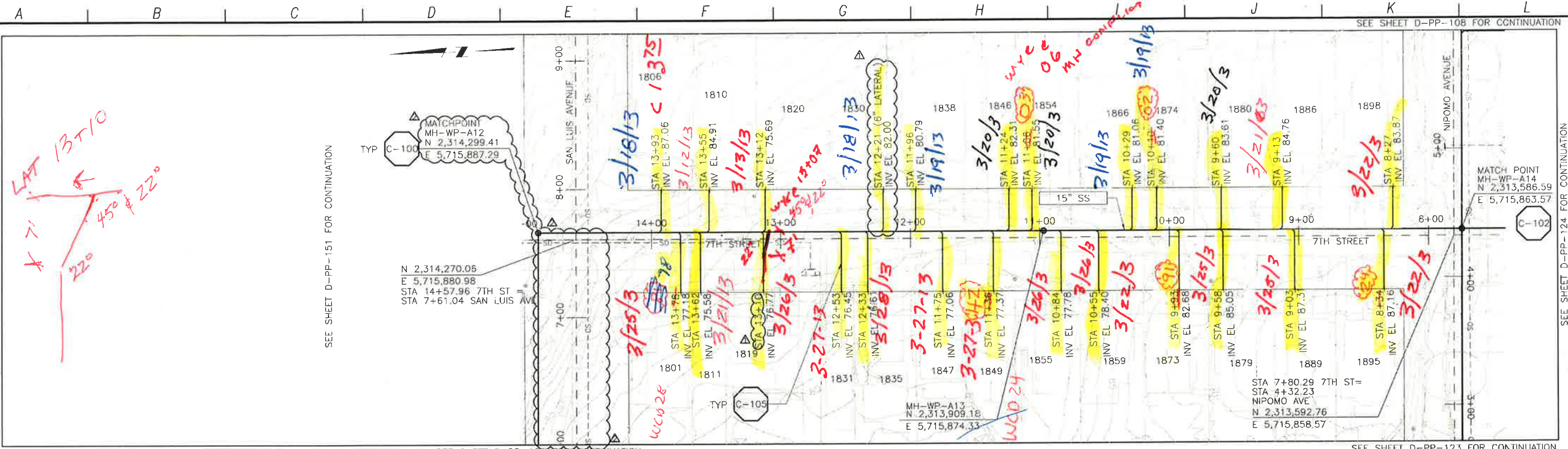


LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
SAN LUIS AVE
 STA. 1+95.62 TO 7+66.38

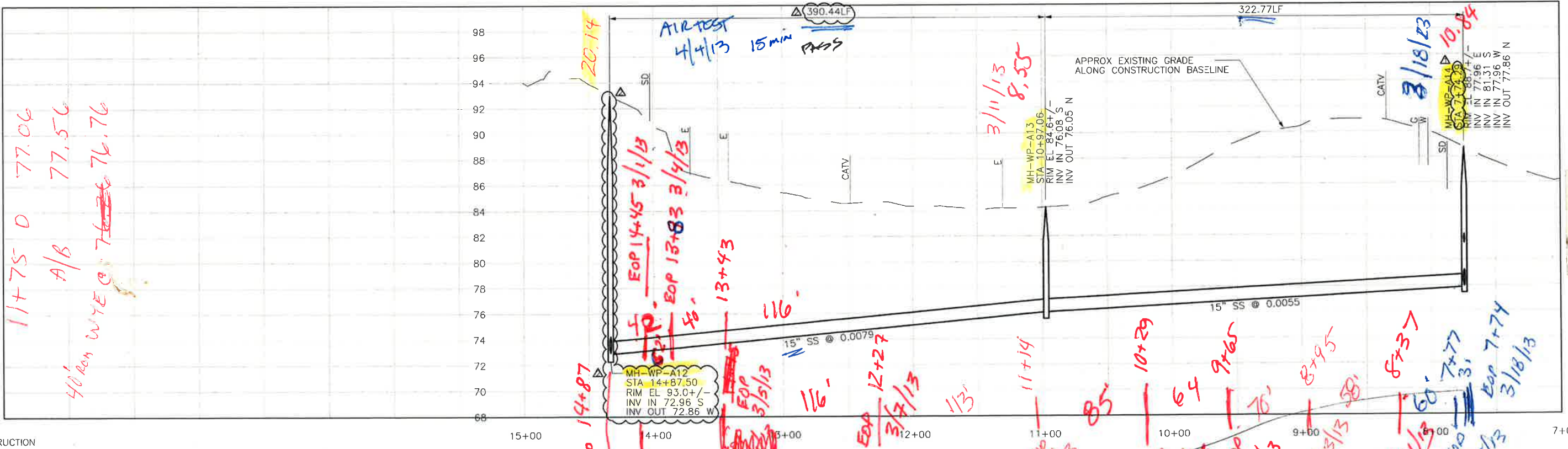
PROJECT NO. 42502-83120
 FILE NAME: D-PP-106
 SHEET NO.
D-PP-106.2

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 7TH STREET



PROFILE ON 7TH STREET

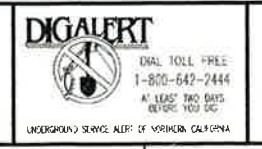
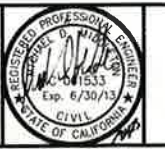
CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1/23/13	LLB	MDM		NOC 31 - SS REALIGNMENT
10/01/12	LLB	MDM		LATERAL RELOCATION

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012



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 NOT MEASURE 1"
 THEN ADJUST SCALE
 ACCORDINGLY

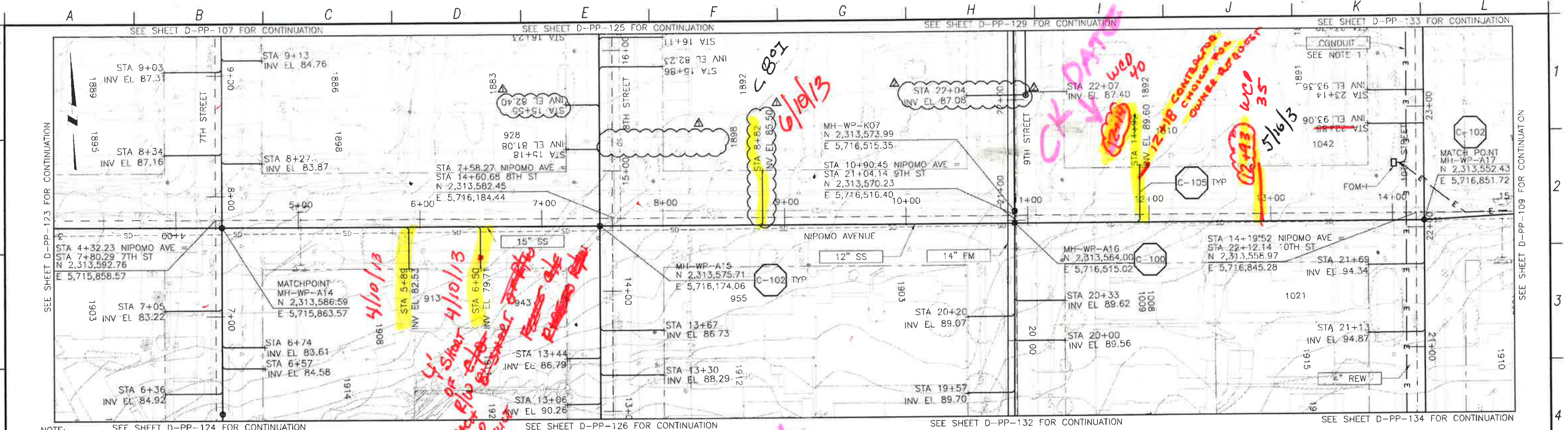


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 7TH STREET
 STA. 14+33.19 TO 7+74.09

PROJECT NO. 42502-83120
 FILE NAME: D-PP-107
 SHEET NO.
 D-PP-107.1

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

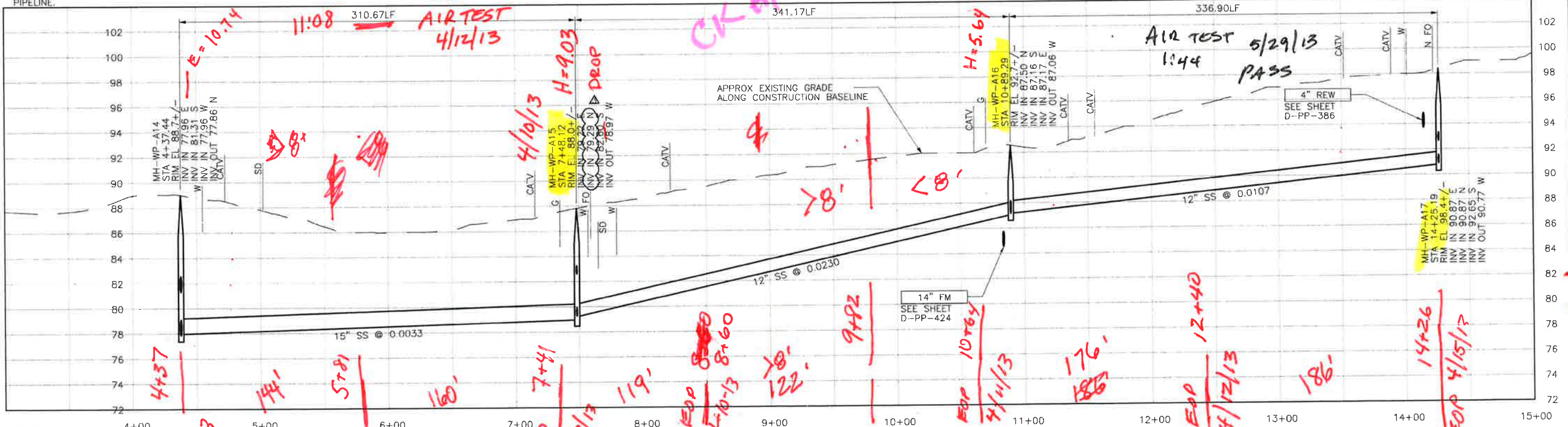
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NOTE: SEE SHEET D-PP-123 FOR CONTINUATION, SEE SHEET D-PP-124 FOR CONTINUATION, SEE SHEET D-PP-125 FOR CONTINUATION, SEE SHEET D-PP-126 FOR CONTINUATION, SEE SHEET D-PP-129 FOR CONTINUATION, SEE SHEET D-PP-132 FOR CONTINUATION, SEE SHEET D-PP-133 FOR CONTINUATION, SEE SHEET D-PP-134 FOR CONTINUATION.

- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON NIPOMO AVENUE



PROFILE ON NIPOMO AVENUE

CONSTRUCTION BASELINE STATION

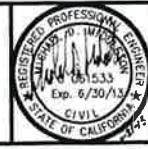
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	1/31/13	LLB	MDM	RFI 49 - MH INVERT ADJUSTMENT
2	1/29/13	LLB	MDM	DCM 34 - MH & LATERAL RELOCATION
3	12/05/12	LLB	MDM	RNOC 20 - LATERAL RELOCATION

DESIGNED BY: SDN
 DRAWN BY: LLB
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 DATE: APRIL 2012

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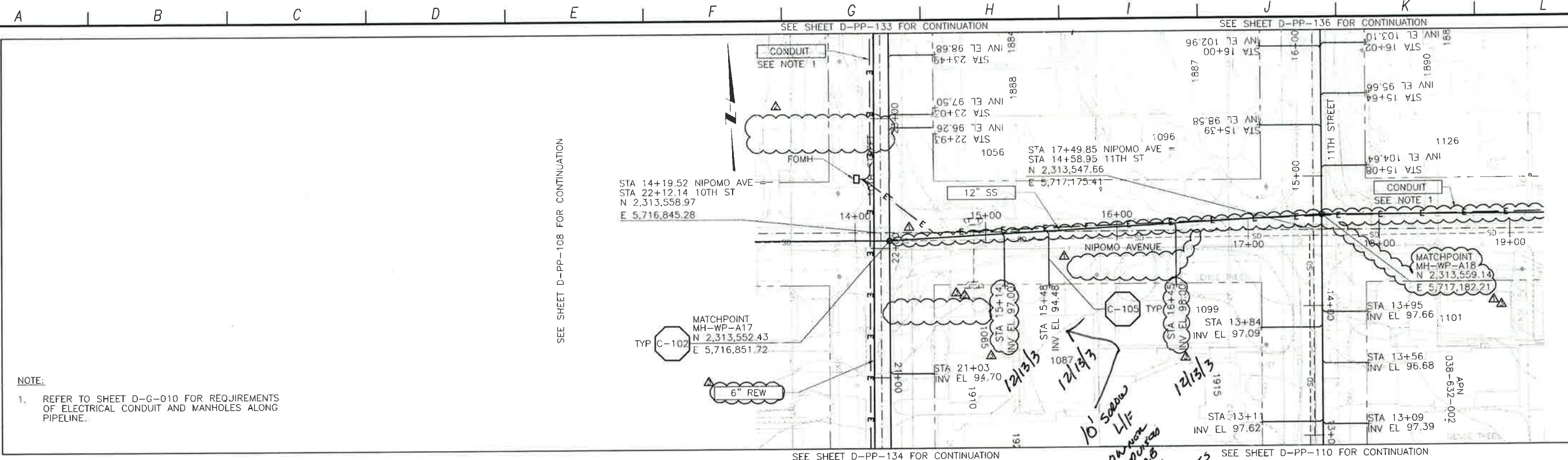
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 NIPOMO AVE
 STA. 4+37.44 TO 14+26.19

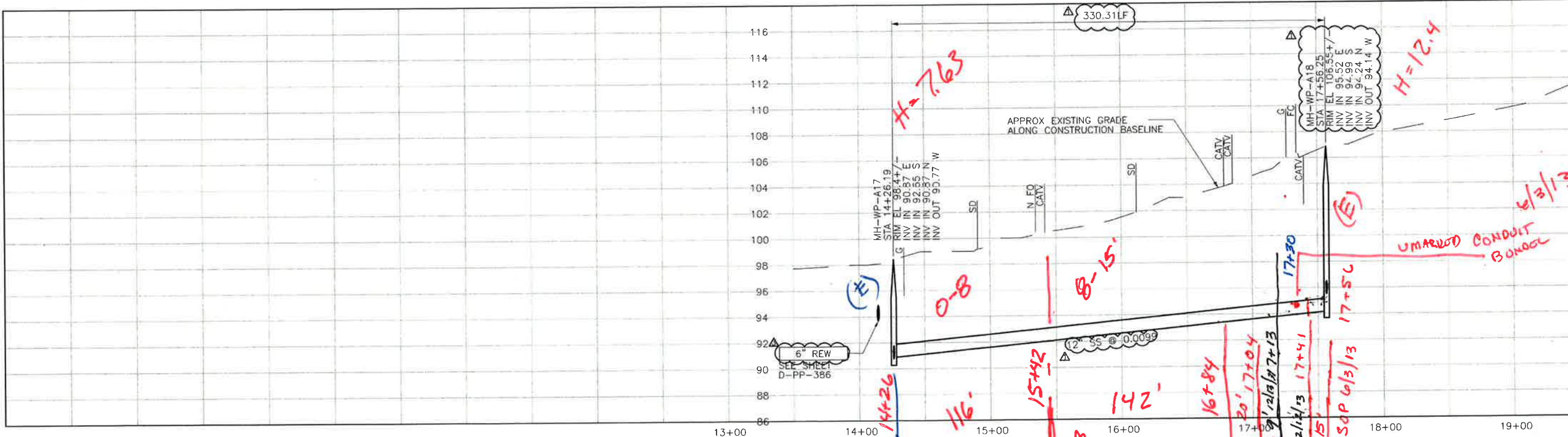
PROJECT NO. 42502-B3120
 FILE NAME: D-PP-108
 SHEET NO. D-PP-108.3

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON NIPOMO AVENUE



PROFILE ON NIPOMO AVENUE

REV. NO.	DATE	DRWN	CHKD	REMARKS
4/22/13	LLB	MDM		NOC 42 - LATERAL RELOCATION
2/13/13	LLB	MDM		NOC 38 - LATERAL RELOCATION
10/29/12	LLB	MDM		ALIGNMENT ADJUSTMENT

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
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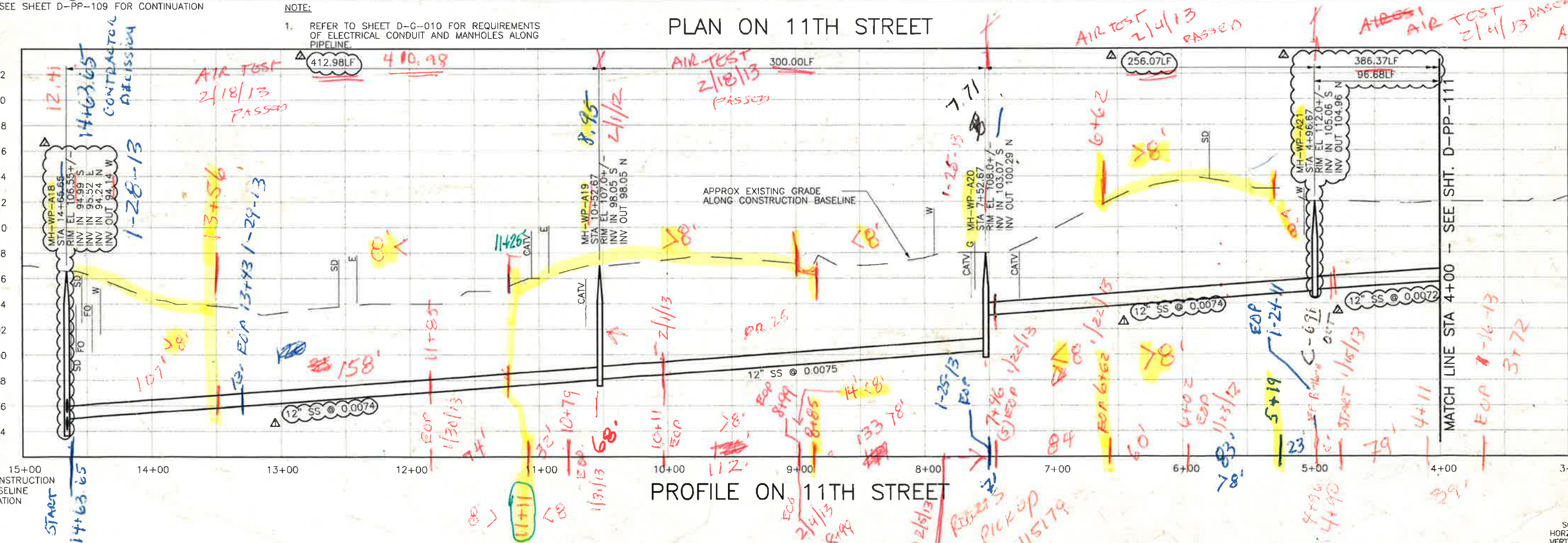
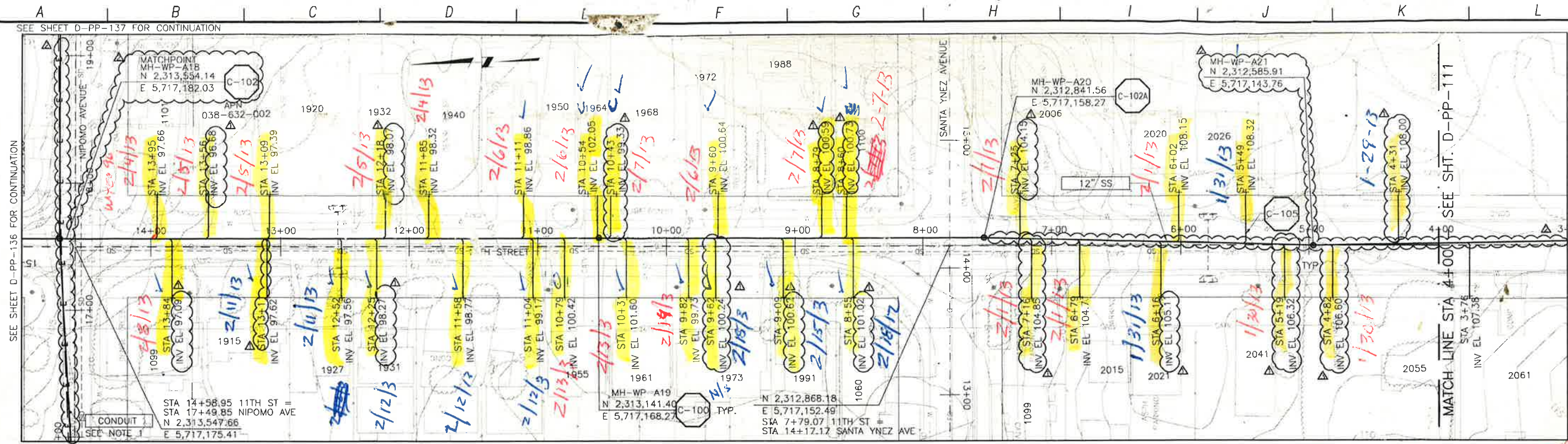
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 NIPOMO AVE
 STA. 14+26.19 TO 17+56.25

PROJECT NO. 42502-83120
 FILE NAME: D-PP-109
 SHEET NO. D-PP-109.2

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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REV	DATE	DRWN	CHKD	REMARKS
1	11/07/12	LLB	MDM	LATERAL RELOCATION
2	12/29/12	LLB	MDM	LATERAL RELOCATIONS & ALIGNMENT ADJUSTMENTS
3	10/15/12	LLB	MDM	LATERAL RELOCATIONS & INVERT UPDATES

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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1/2
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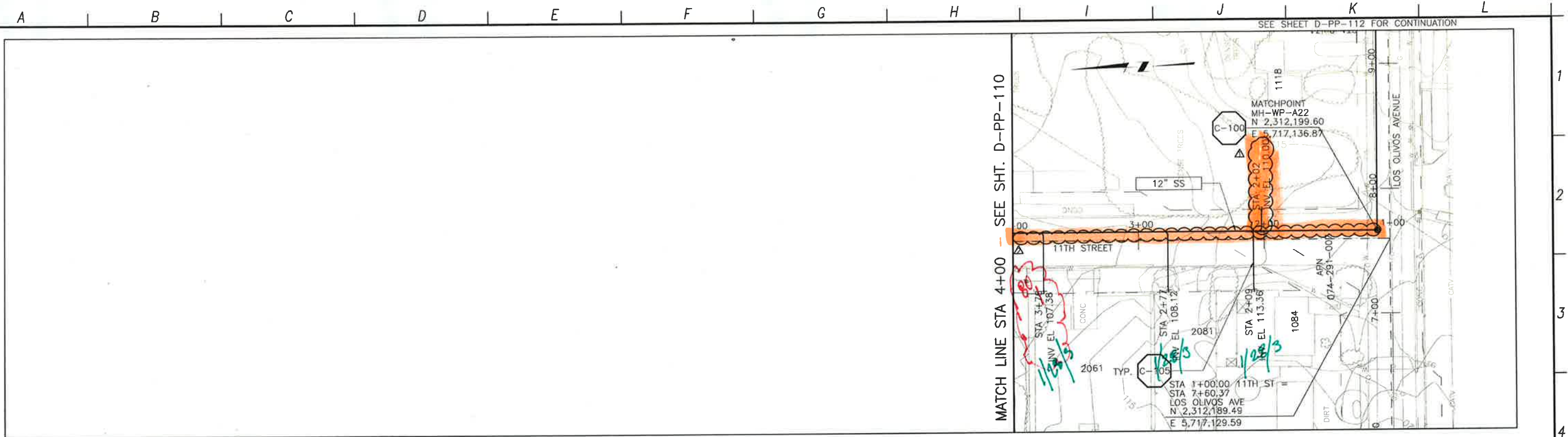
REGISTERED PROFESSIONAL ENGINEER
 No. 081533
 Exp. 6/30/13
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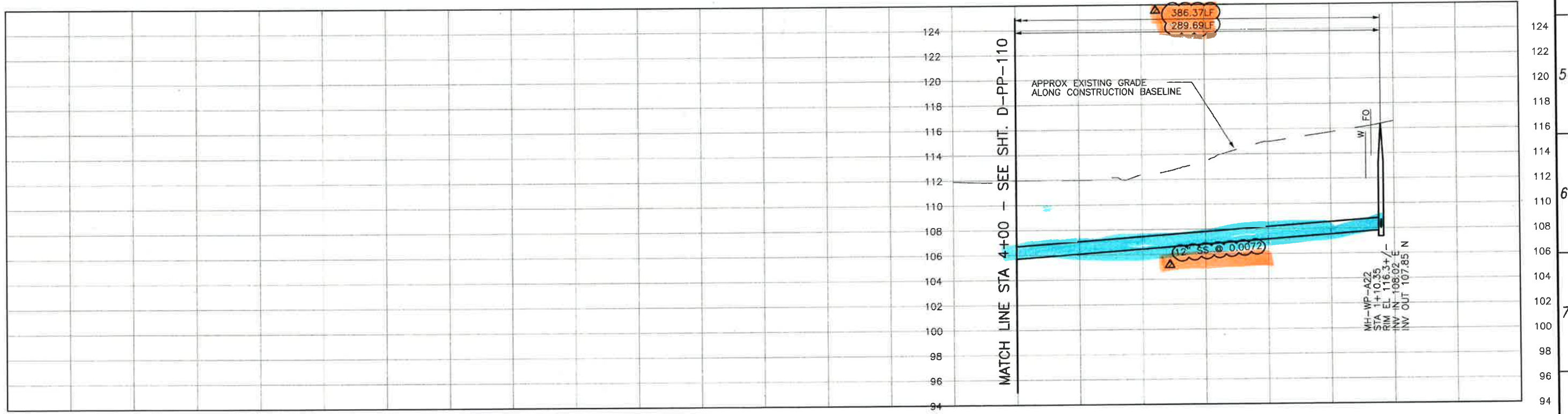
LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 11TH STREET
 STA. 14+70.65 TO 4+52.67
 PROJECT NO. 42502-B3120
 FILE NAME: D-PP-110
 SHEET NO.
D-PP-110

SEE SHEET D-PP-137 FOR CONTINUATION
 SEE SHEET D-PP-136 FOR CONTINUATION
 SEE SHEET D-PP-109 FOR CONTINUATION
 SEE SHEET D-PP-111 FOR CONTINUATION

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PLAN ON 11TH STREET



PROFILE ON 11TH STREET

CONSTRUCTION
BASELINE
STATION

START DATE 1/28/13

SCALE:
HORZ: 1"=40'
VERT: 1"=4'

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/29/12	LLB	MDM	ALIGNMENT ADJUSTMENT
2	10/22/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: SDN
DRAWN BY: LLB
CHECKED BY: MDM
DATE: APRIL 2012

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0 1/2 1
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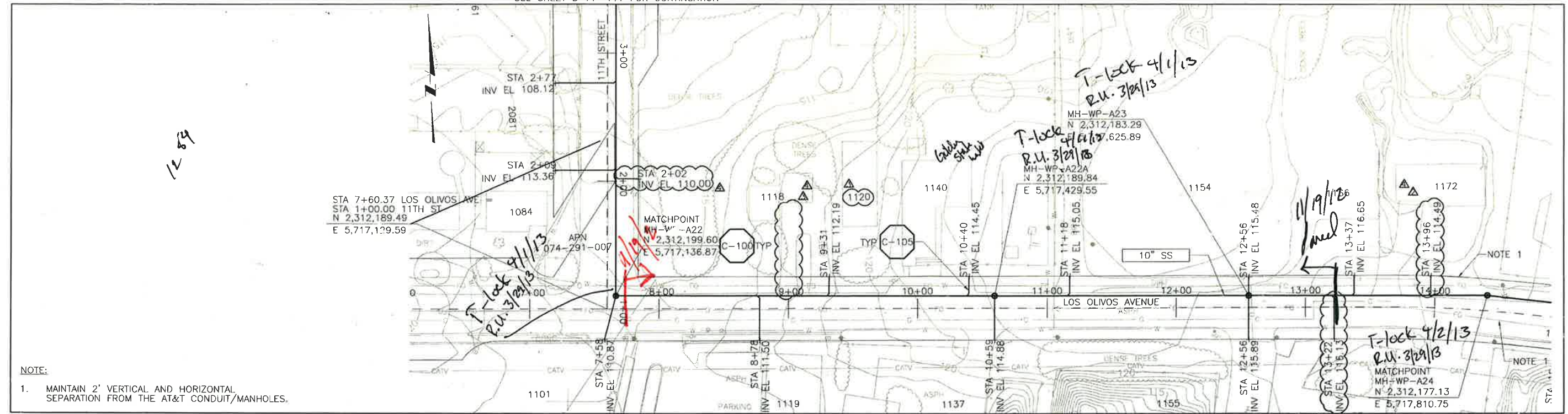


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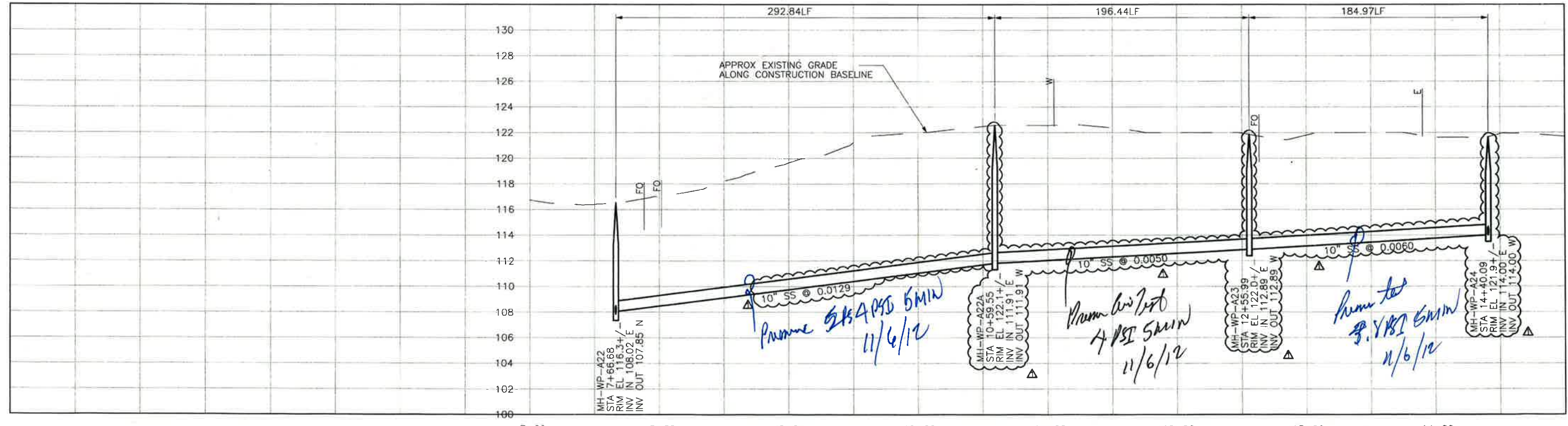
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
11TH STREET
STA. 4+00.00 TO 1+10.35

PROJECT NO. 42502-83120
FILE NAME: D-PP-111
SHEET NO.
D-PP-111

SEE SHEET D-PP-111 FOR CONTINUATION



PLAN ON LOS OLIVOS AVENUE



PROFILE ON LOS OLIVOS AVENUE

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CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/22/12	LLB	MDM	LATERAL RELOCATIONS
2	10/22/12	LLB	MDM	LATERAL ADDITION
3	10/12/12	LLB	MDM	LATERAL RELOCATION & INVERT ADJUSTMENT
4	9/27/12	LLB	MDM	SS INVERT & SLOPE ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012



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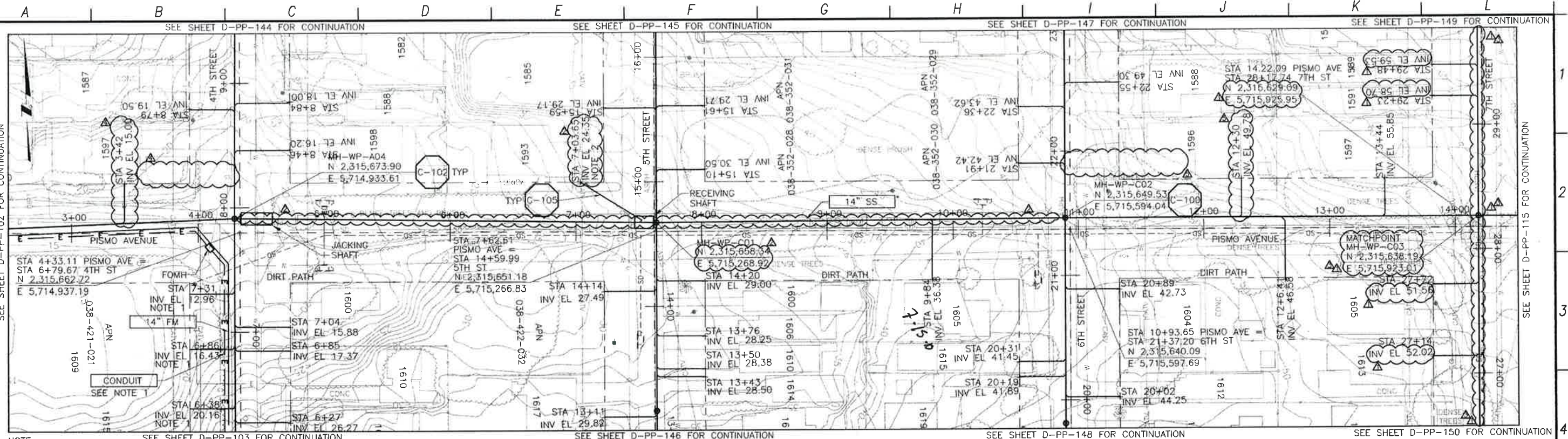


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 LOS OLIVOS AVE
 STA. 7+66.68 TO 14+40.09

PROJECT NO. 42502-83120
 FILE NAME: D-PP-112
 SHEET NO.
 D-PP-112

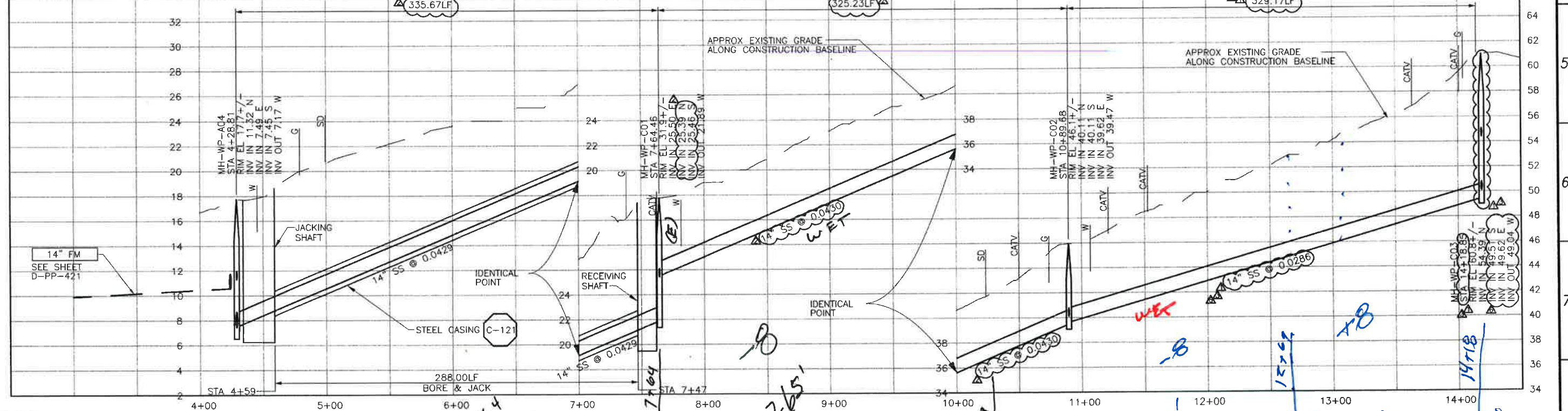
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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NOTE: REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE. LATERAL CONNECTS TO SEWER AT STA 7+51.1.

PLAN ON PISMO AVENUE



PROFILE ON PISMO AVENUE

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/08/13	LLB	MDM	RFI 145 - MH INVERT ADJUSTMENTS
2	9/09/13	LLB	MDM	NOC 80 - LATERAL RELOCATION
3	7/08/13	LLB	MDM	NOC 66 - LATERAL RELOCATION
4	6/03/13	LLB	MDM	RFI 103 - SS REALIGNMENT
5	3/11/13	LLB	MDM	RFI 61 - SS REALIGNMENT

DESIGNED BY: _____ APS
 DRAWN BY: _____ LLB
 CHECKED BY: _____ MDM
 DATE: _____ APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900

0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

REGISTERED PROFESSIONAL ENGINEER
 C 061533
 Exp. 6/30/15
 CIVIL
 STATE OF CALIFORNIA

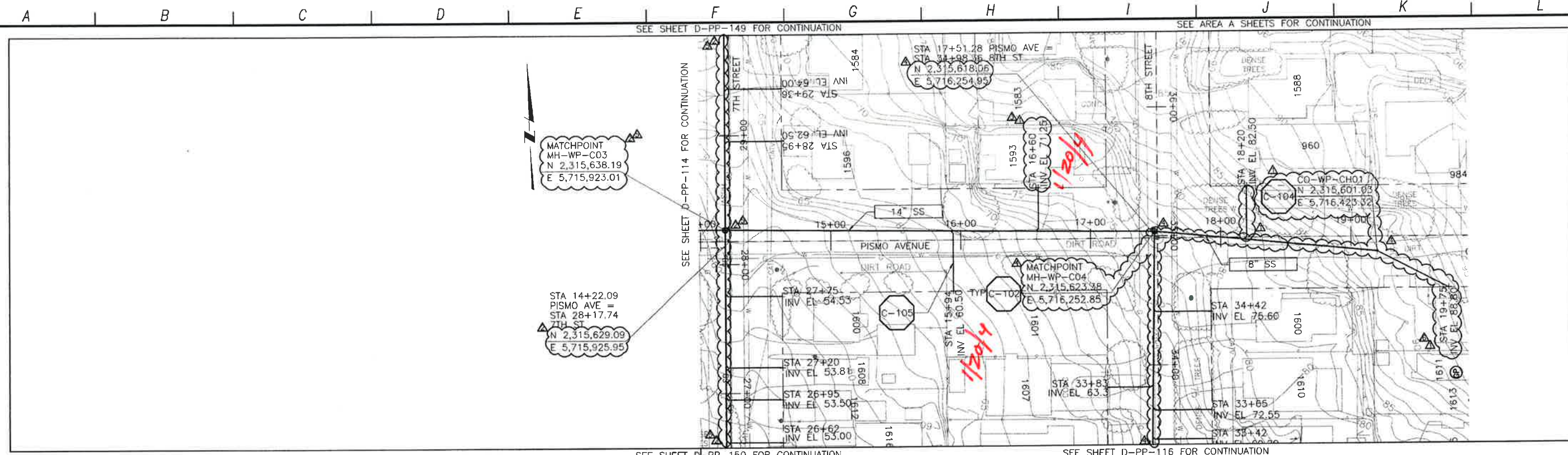
DIGALERT
 DIAL TOLL FREE 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
PISMO AVE
 STA. 4+28.81 TO 14+07.85

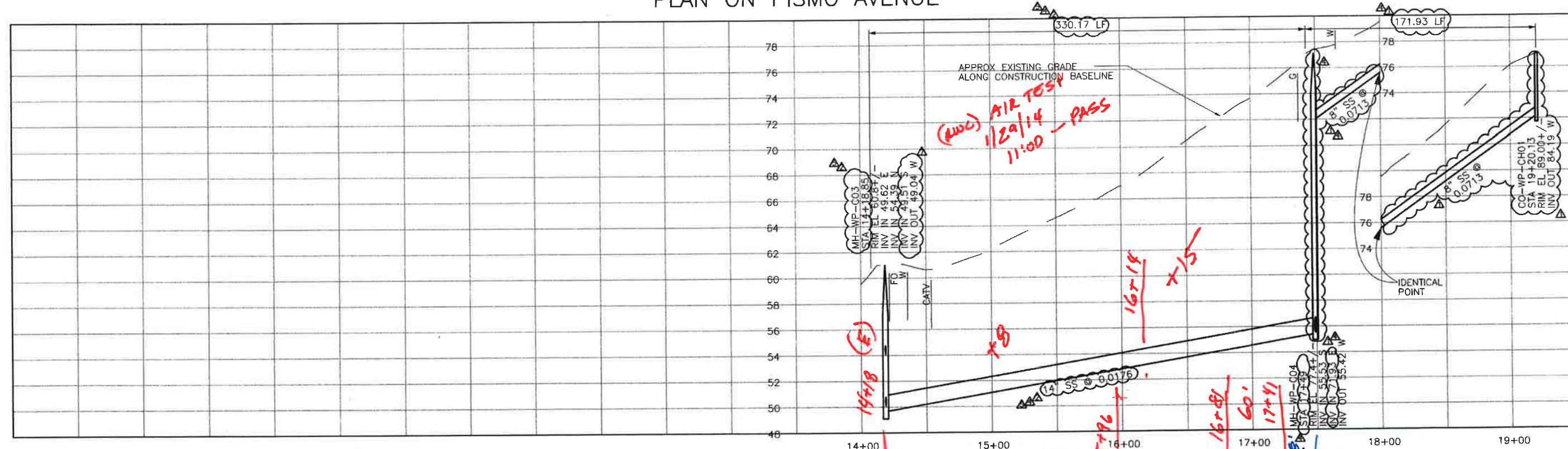
PROJECT NO. 42502-83120
 FILE NAME: D-PP-114
 SHEET NO.
D-PP-114.6

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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PLAN ON PISMO AVENUE



PROFILE ON PISMO AVENUE

CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
10/08/13	LLB	MDM	RFI 145	MH INVERT ADJUSTMENTS
7/31/13	LLB	MDM	NOC 72	LATERAL RELOCATION
6/03/13	LLB	MDM	RFI 103	SS REALIGNMENT
5/09/13	LLB	MDM	RFI 83	MH RELOCATION
4/22/13	LLB	MDM	NOC 42	LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 2295 Gateway Oaks Drive, Suite 240
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 Tel: (916) 567-9900



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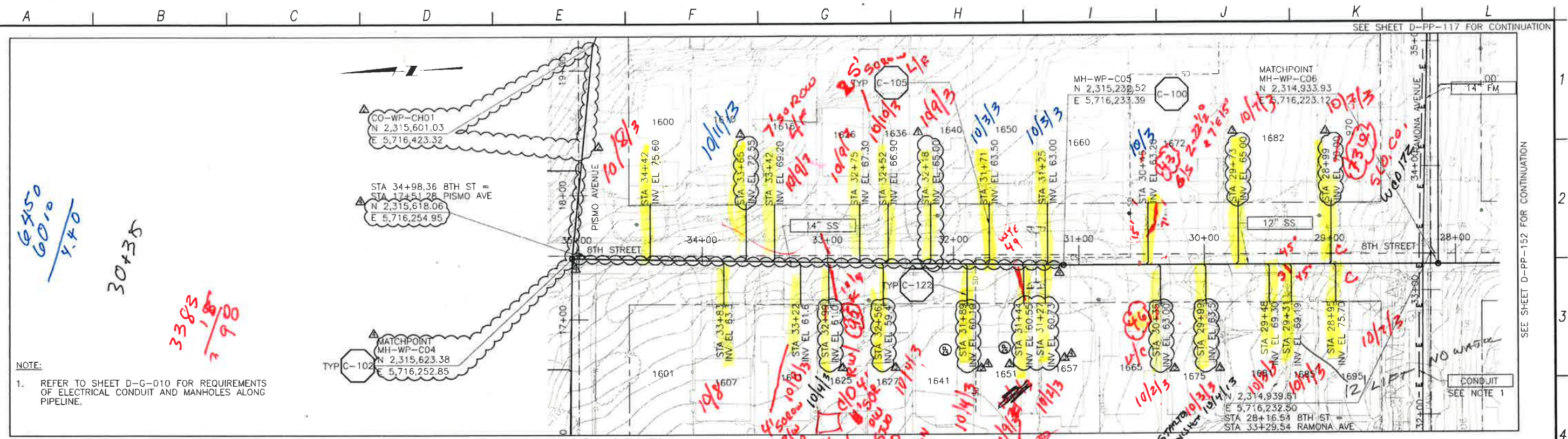


DIGALERT
 DIAL TOLL FREE
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 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSCOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
PISMO AVE
 STA. 14+07.85 TO 18+27.64

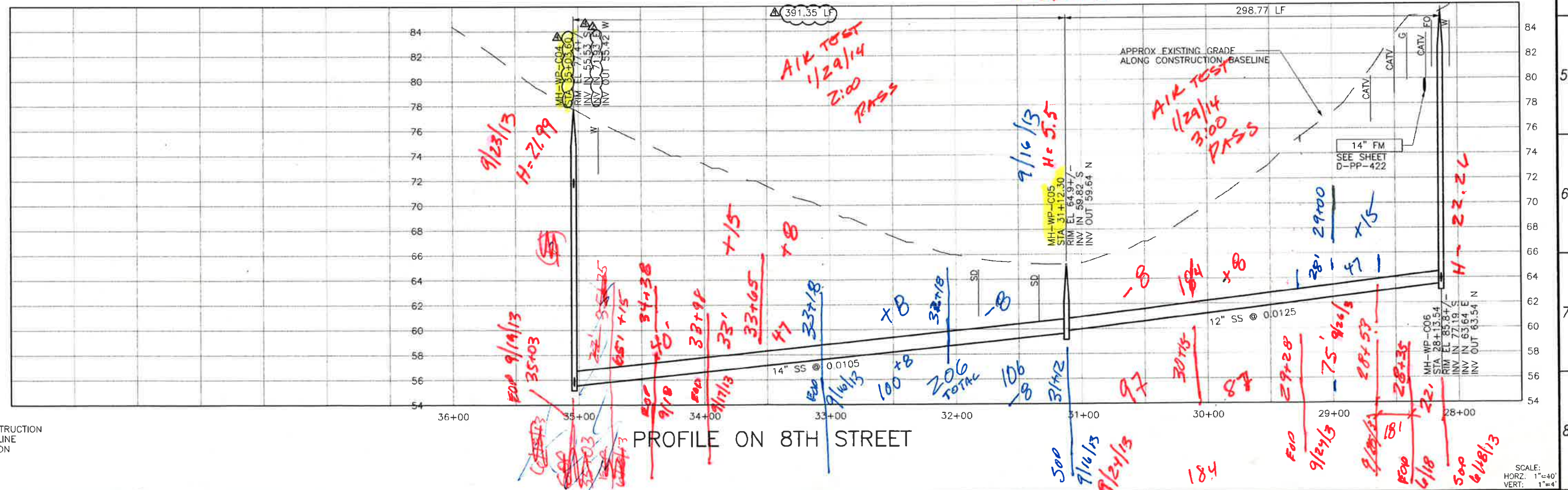
SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-B3120
 FILE NAME: D-PP-115
 SHEET NO.
D-PP-115.7

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NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON 8TH STREET

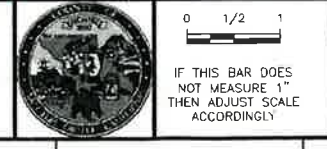


PROFILE ON 8TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
5/09/13	LLB	MDM	RFI B3 - MH RELOCATION	
4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATIONS	
3/05/13	LLB	MDM	DCM 4B - SS REALIGNMENT	
9/11/12	LLB	MDM	LATERAL RELOCATION	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



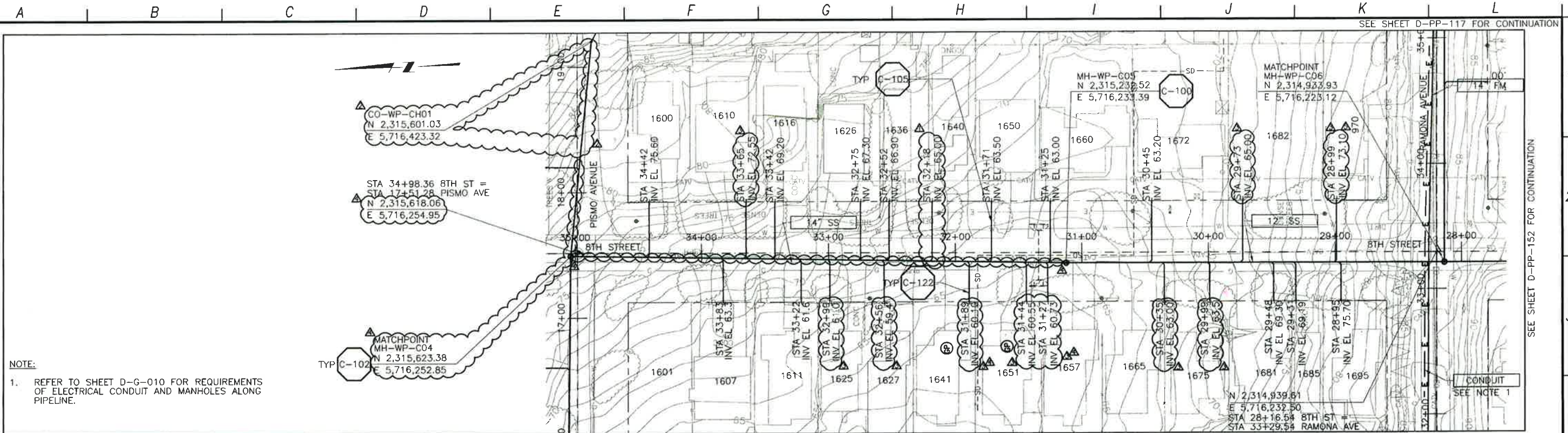
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
8TH STREET
 STA. 35+03.66 TO 28+13.54

PROJECT NO. 42502-83120
 FILE NAME: D-PP-116
 SHEET NO.
D-PP-116.3

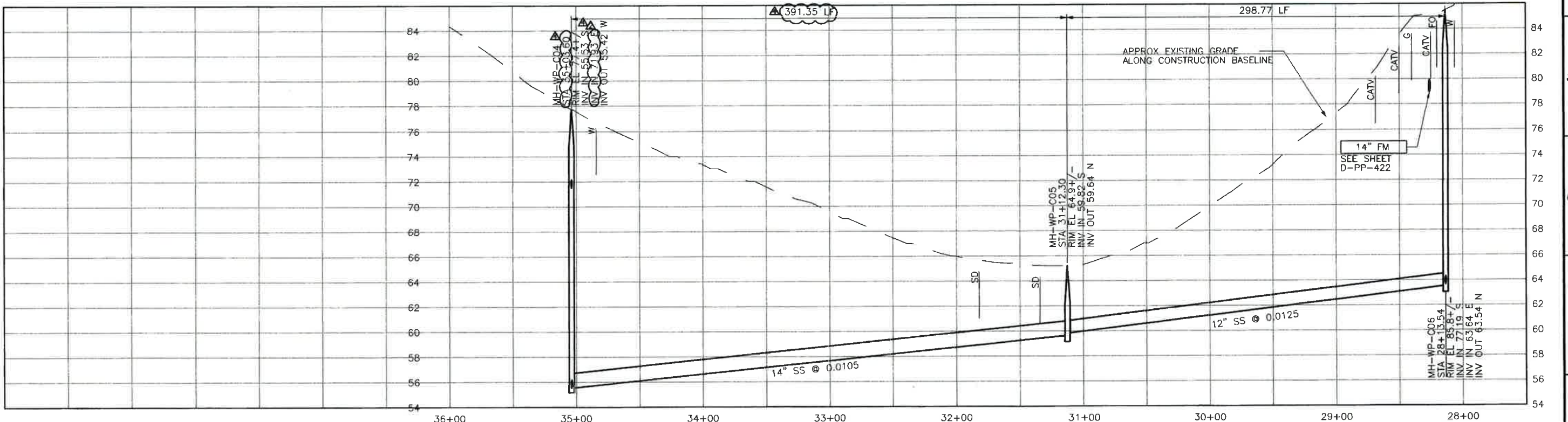
SCALE:
 HORZ. 1"=30'
 VERT. 1"=4'

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NOTE:
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PLAN ON 8TH STREET



PROFILE ON 8TH STREET

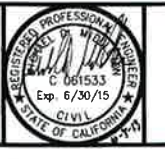
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/08/13	LLB	MDM	NOC 90 - LATERAL INVERT ADJUSTMENT
2	5/09/13	LLB	MDM	RFI 83 - MH RELOCATION
3	4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATIONS
4	3/05/13	LLB	MDM	DCM 48 - SS REALIGNMENT
5	9/11/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
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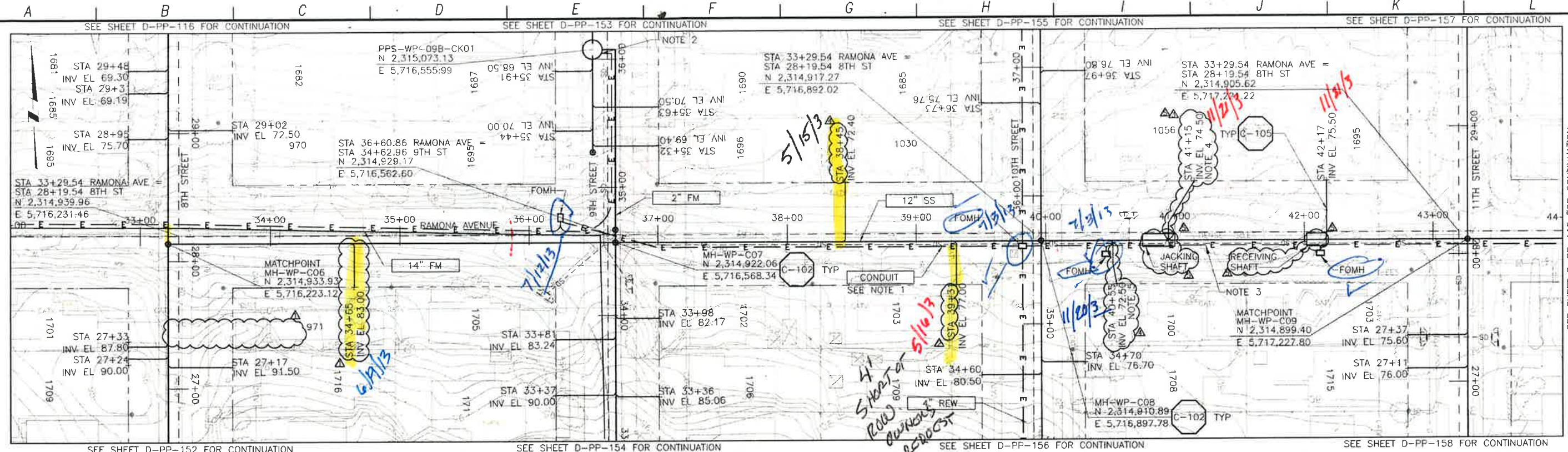


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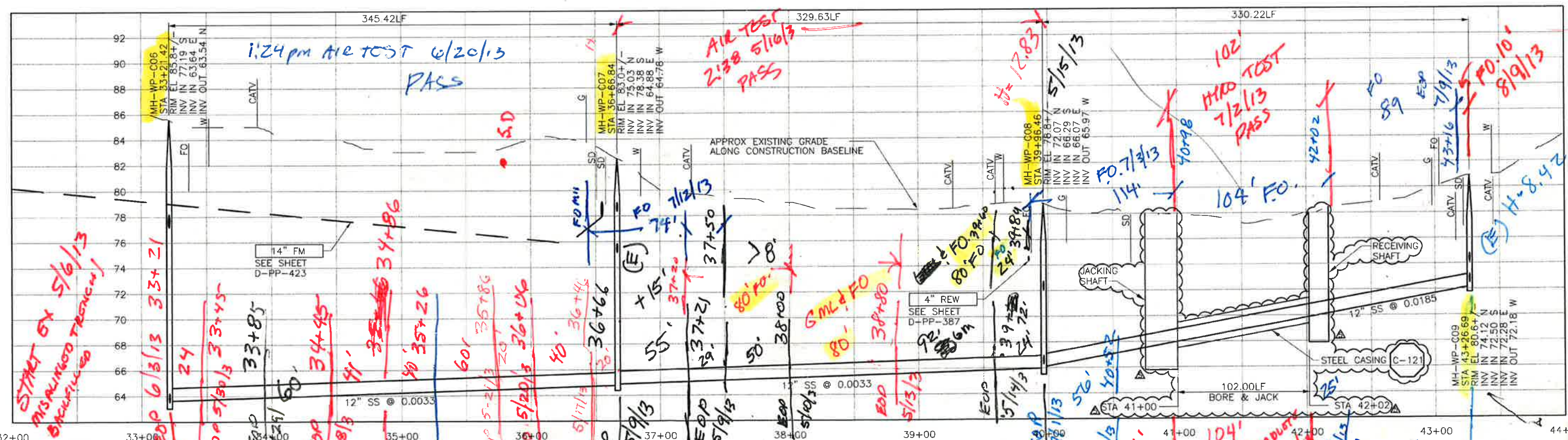
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
8TH STREET
STA. 35+03.66 TO 28+13.54

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-116
 SHEET NO.
D-PP-116.4

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PLAN ON RAMONA AVENUE



PROFILE ON RAMONA AVENUE

- NOTE:
- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - TERMINATE CONDUIT AT LCP.
 - CONDUIT TO BE INSTALLED IN STEEL CASING WITH SEWER PIPE.
 - LATERAL CONNECTS TO SEWER AT STA 40+95.
 - LATERAL CONNECTS TO SEWER AT STA 40+52.

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	3/11/13	LLB	MDM	RFI 66 - BORE & JACK RELOCATION
2	2/28/13	LLB	MDM	NOC 40 - LATERAL RELOCATIONS
3	2/13/13	LLB	MDM	NOC 38 - LATERAL RELOCATION
4	1/09/12	LLB	MDM	LATERAL RELOCATION
5	10/09/12	LLB	MDM	LATERAL RELOCATIONS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900

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REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 061533
 Exp. 6/30/13

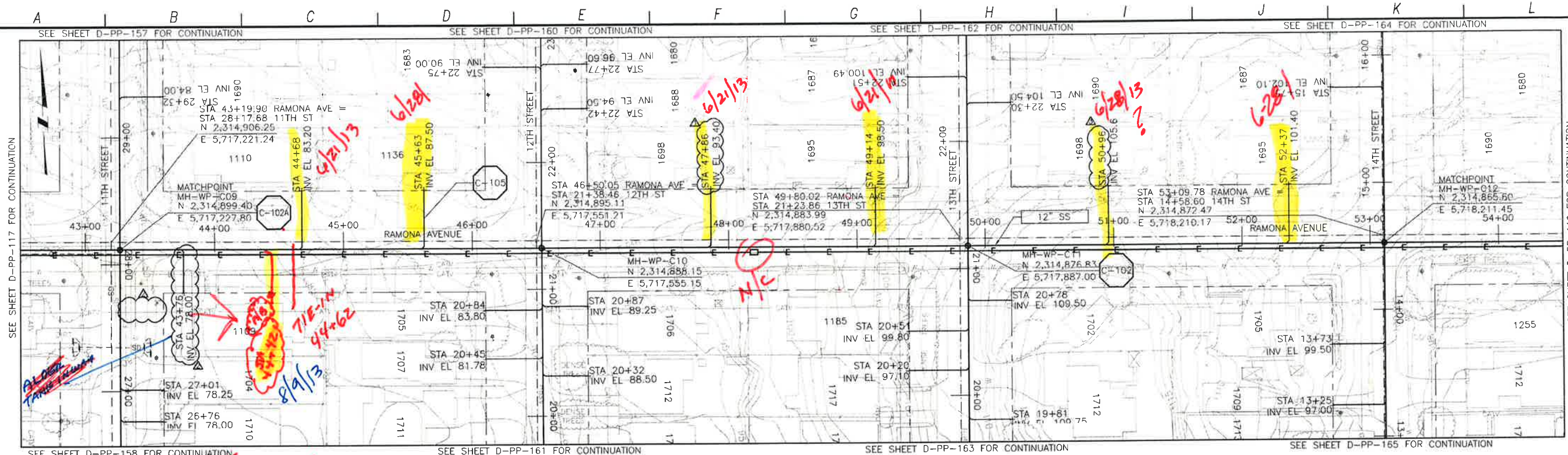
DIGALERT
 DIAL TOLL FREE 1-800-642-2444
 AT LEAST TWO DAYS BEFORE THE JOB
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
RAMONA AVE
STA. 33+21.42 TO 43+26.69

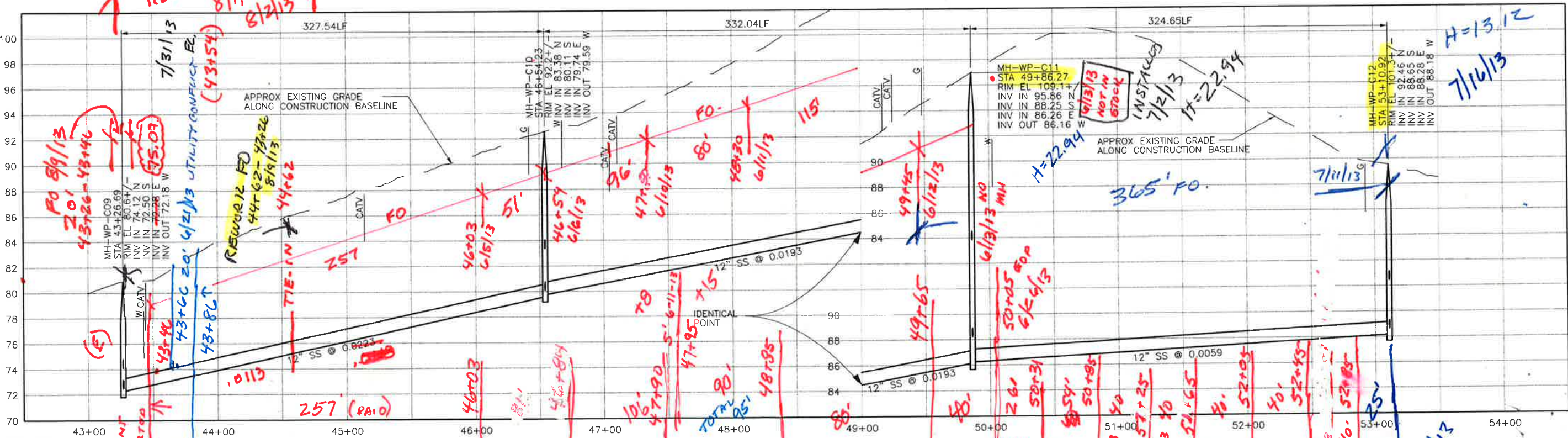
PROJECT NO. 42502-83120
 FILE NAME: D-PP-117
 SHEET NO. **D-PP-117.3**

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON RAMONA AVENUE



PROFILE ON RAMONA AVENUE

5650
 4825
 825
 4350
 4450
 4/15/13

NETWORK 8/1/13 & 8/2/13
 7/1E-IN 44+62
 8/9/13

PAID TO THIS POINT
 SOP (REMOVED) 6/5/13
 SOP 6/5/13
 ACTUAL 6/5/13

257 (PAID)
 257
 46+03 6/5/13
 46+57 6/6/13
 47+90 6/10/13
 47+95 6/11/13
 48+95 6/11/13
 49+65 6/12/13
 49+45 6/12/13
 50+85 6/12/13
 51+25 6/20/13
 51+65 6/19/13
 52+25 6/18
 52+45 6/17/13
 52+85 6/17/13
 52+85 7/16/13

MH-WP-C11
 STA 49+86.27
 RIM EL 109.17
 INV IN 95.66
 INV IN 88.25
 INV IN 86.26
 INV OUT 86.16
 H=22.94
 7/2/13
 H=22.94
 7/16/13
 H=13.12

CONSTRUCTION BASELINE STATION

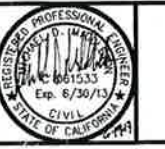
REV. NO.	DATE	DRWN	CHKD	REMARKS
6/19/13	LLB	MDM	NOC 59 - LATERAL RELOCATION	
6/19/13	LLB	MDM	NOC 60 - LATERAL RELOCATION	
6/12/13	LLB	MDM	NOC 58 - LATERAL RELOCATION	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel (916) 967-9900



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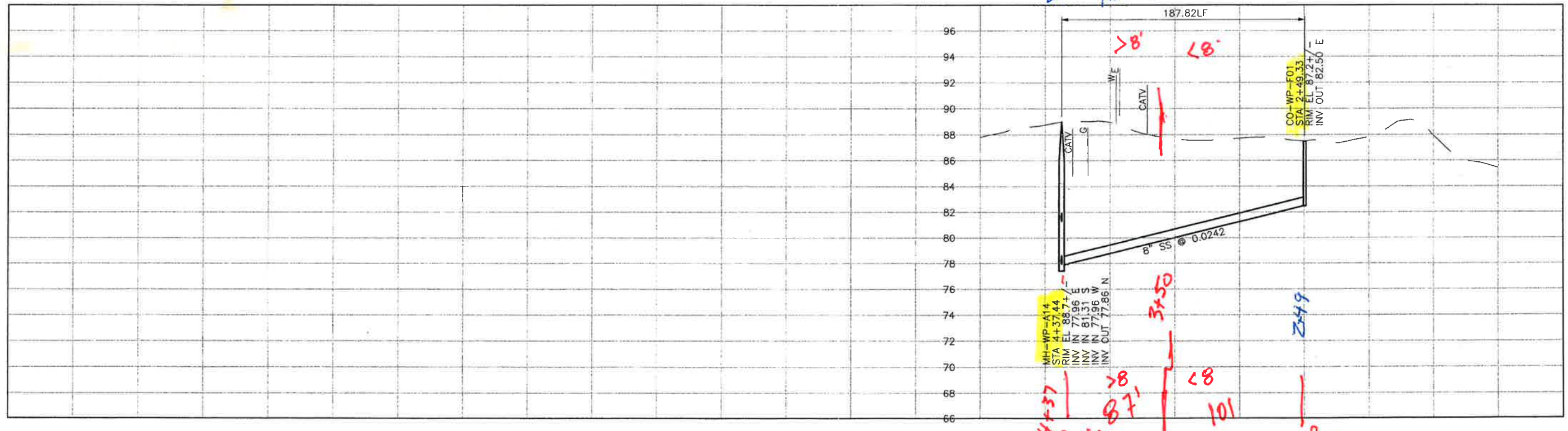
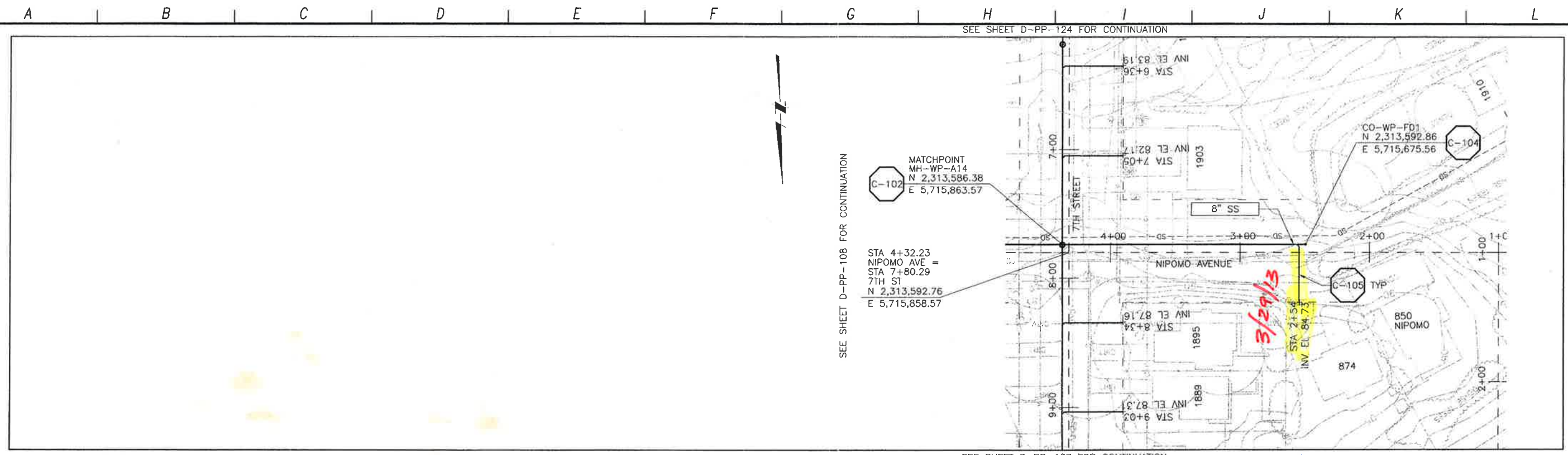
DIGAULT
 DIAL TOLL FREE 1-800-642-2444
 48 HRS TO 24 HRS BEFORE 100 DCT
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 RAMONA AVE
 STA. 43+26.69 TO 53+10.92

PROJECT NO. 42502-B3120
 FILE NAME: D-PP-118
 SHEET NO. D-PP-118.2

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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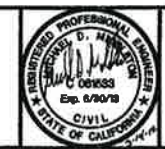
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

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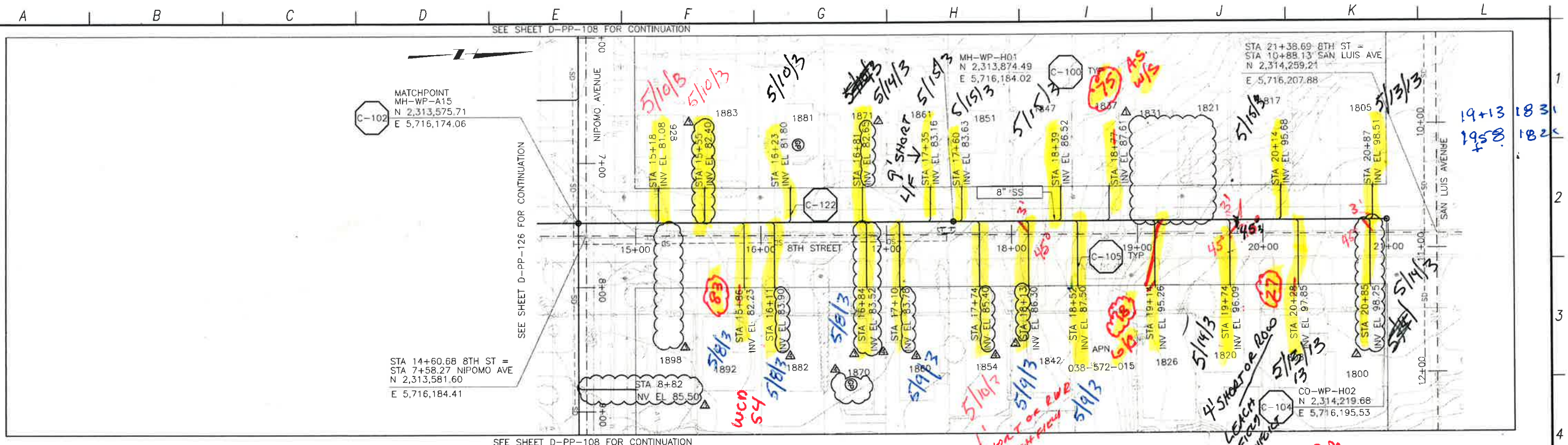
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 NIPOMO AVE
 STA. 4+37.44 TO 2+49.33

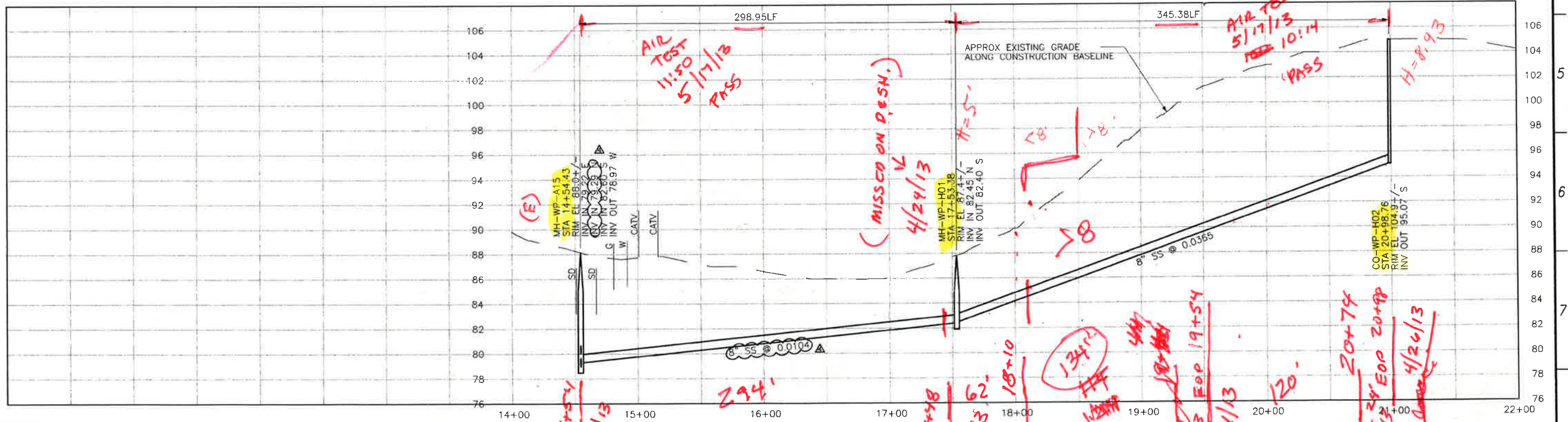
PROJECT NO. 42502-83120
 FILE NAME: D-PP-123
 SHEET NO.
D-PP-123

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 8TH STREET



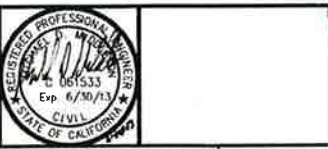
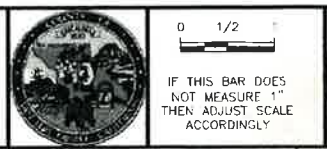
PROFILE ON 8TH STREET

CONSTRUCTION
BASELINE
STATION

REV NO	DATE	DRWN	CHKD	REMARKS
1	2/13/13	LLB	MDM	NOC 38 - LATERAL RELOCATION
2	1/31/13	LLB	MDM	RFI 49 - LATERAL & MH INVERT ADJUSTMENTS
3	12/05/12	LLB	MDM	RNOC 20 - LATERAL RELOCATIONS
4	10/15/12	LLB	MDM	LATERAL INVERT ADJUSTMENT
5	10/01/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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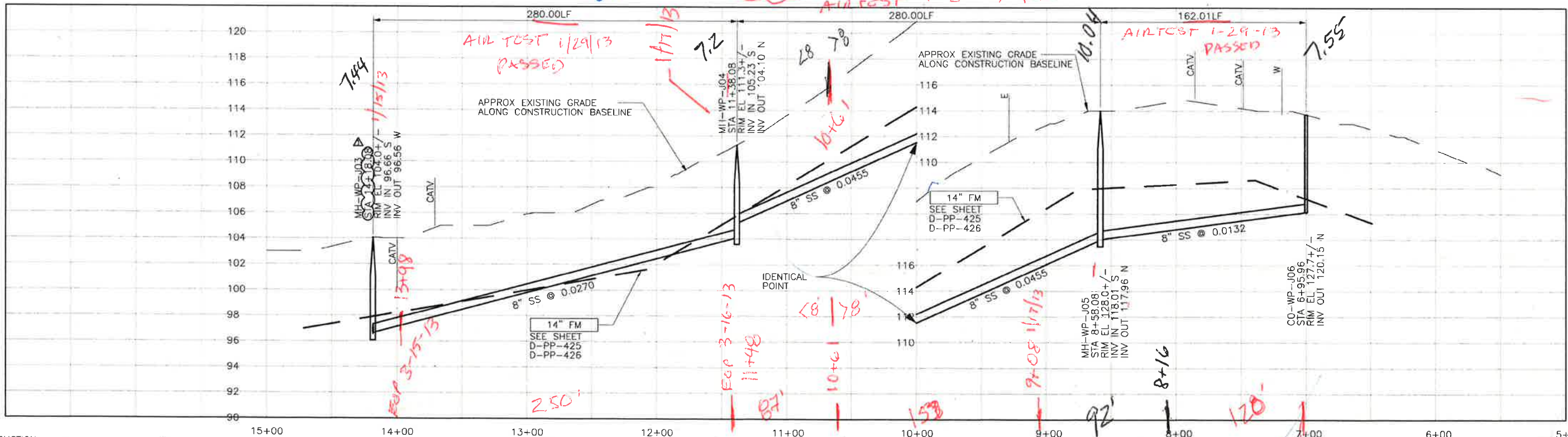
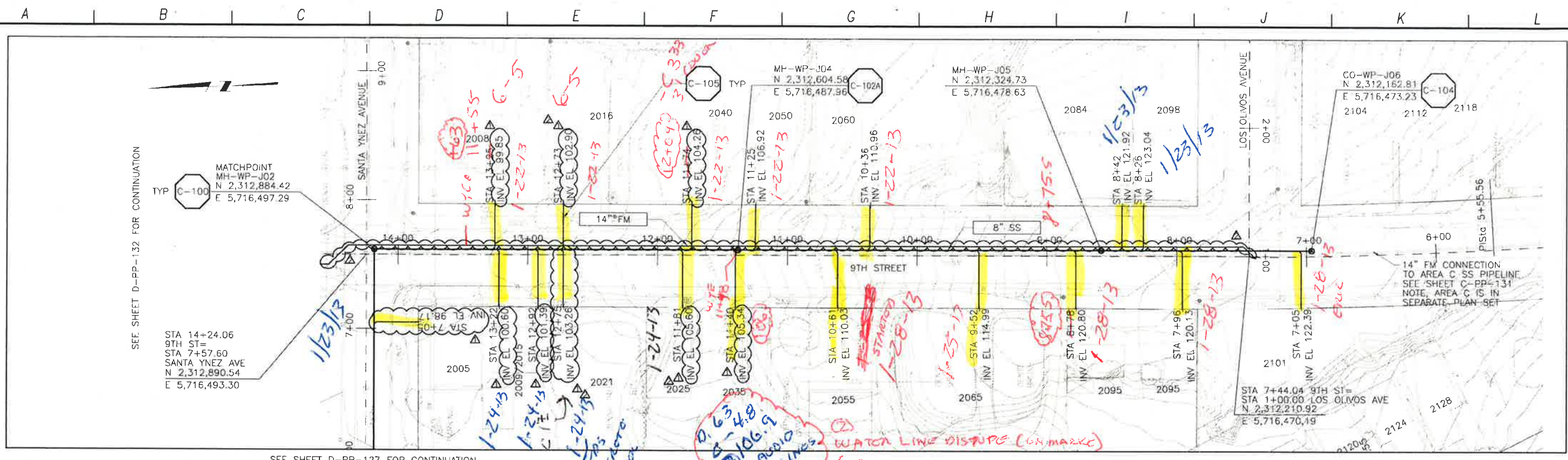
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
8TH STREET
 STA. 14+54.43 TO 20+98.76

PROJECT NO. 42502-83120
 FILE NAME: D-PP-125
 SHEET NO.
D-PP-125.3

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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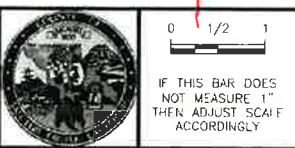


CONSTRUCTION BASELINE STATION
 NOTE: 11+74 GAS LINE
 12+73 C-17
 8+78 w/c

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	12/12/12	LLB	MDM	RFI 25 - FM RELOCATION AND LATERAL INVERT ADJUSTMENTS
2	10/15/12	LLB	MDM	LATERAL RELOCATION & INVERT ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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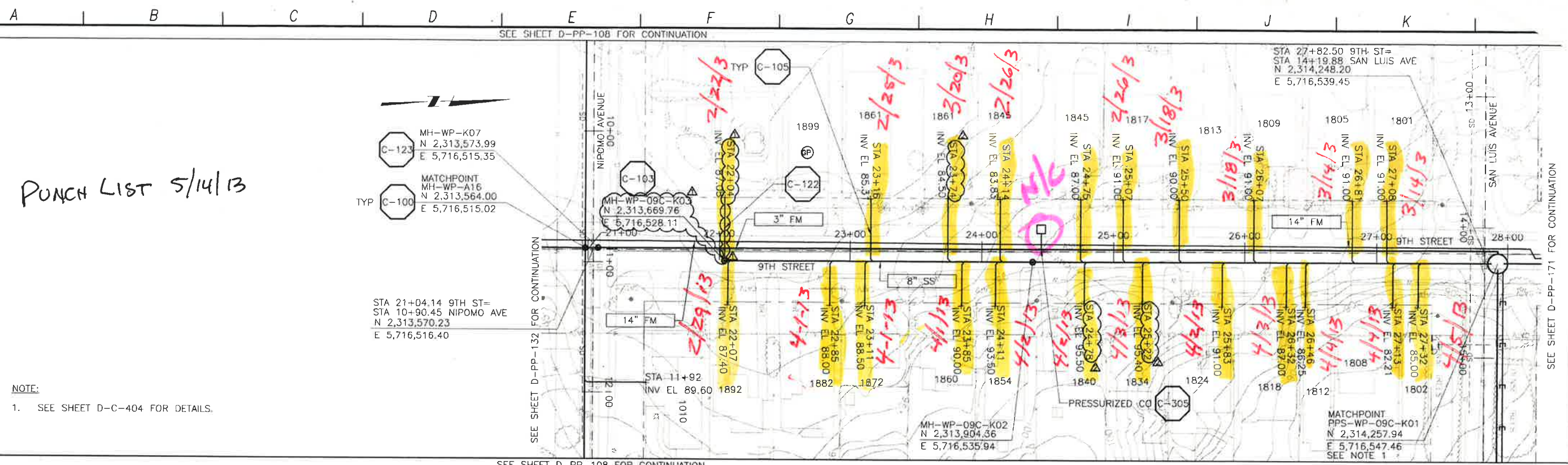
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
9TH STREET
 STA. 13+81.82 TO 6+95.96

PROJECT NO. 42502-83120
 FILE NAME: D-PP-128
 SHEET NO. D-PP-128.1

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

75
 33
 9.08

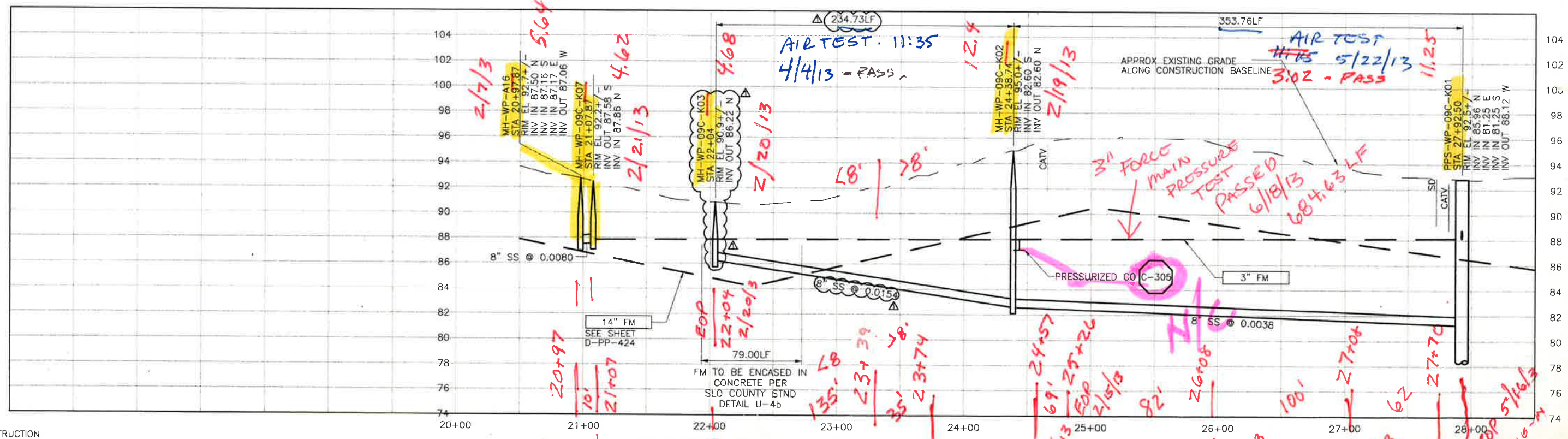
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PUNCH LIST 5/14/13

NOTE:
1. SEE SHEET D-C-404 FOR DETAILS.

PLAN ON 9TH STREET



PROFILE ON 9TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
2/06/13	LLB	MDM		NOC 35 - LATERAL RELOCATIONS
1/29/13	LLB	MDM		DCM 34 - MH & LATERAL RELOCATION

DESIGNED BY: APS
DRAWN BY: LLB
CHECKED BY: MDM
DATE: APRIL 2012

CDM Smith
2295 Gateway Oaks Drive, Suite 240
Sacramento, CA 95833
Tel: (916) 567-9900



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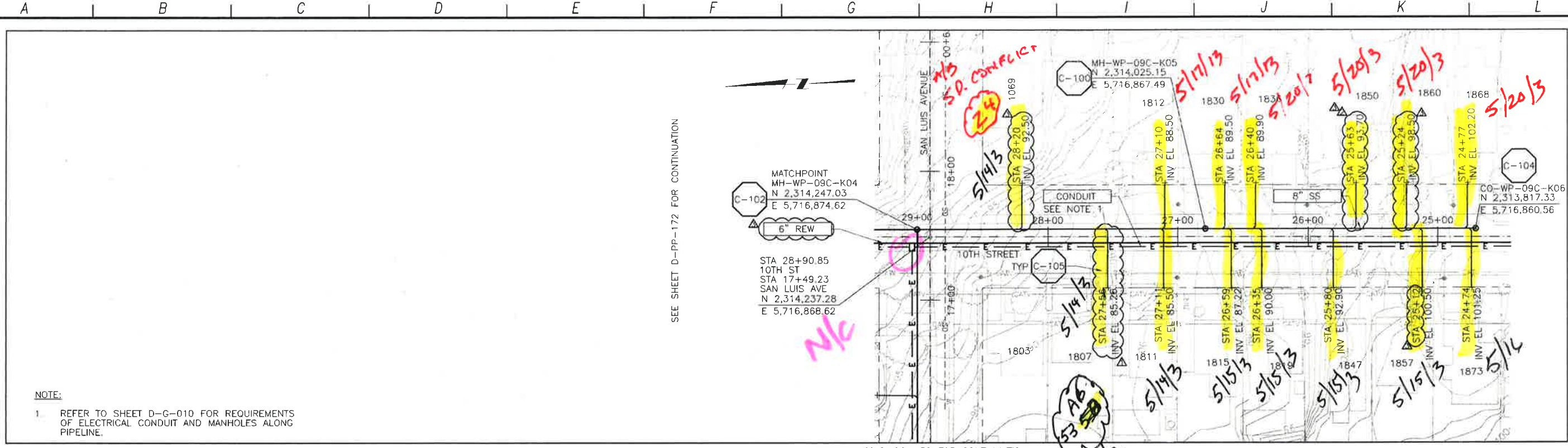
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#1 RISK FREE SERVICE
BEFORE YOU DIG

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
9TH STREET
STA. 20+97.87 TO 27+92.50

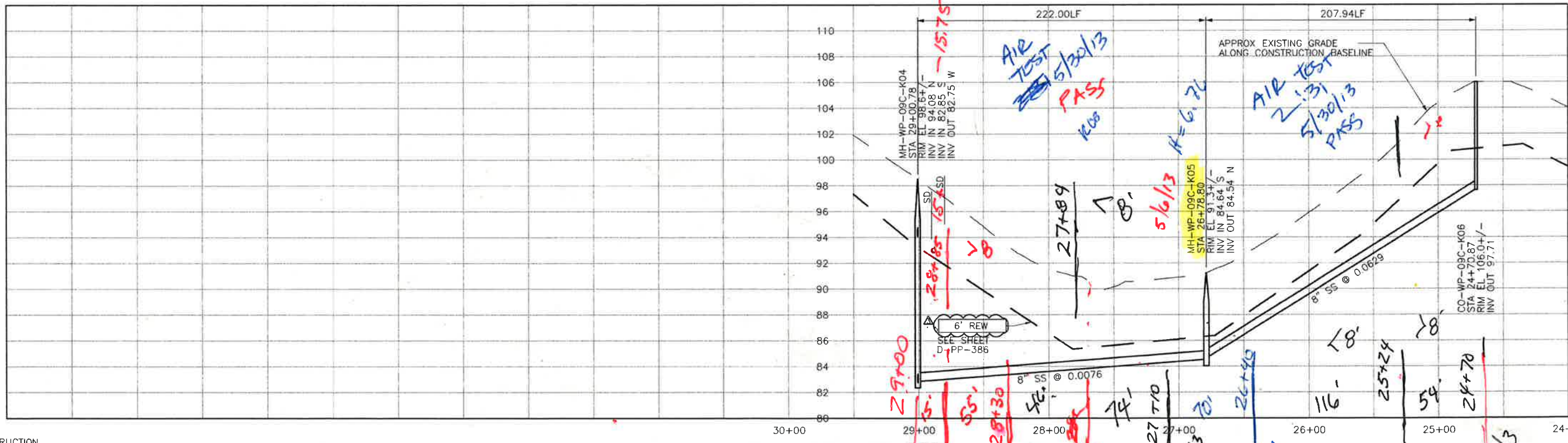
PROJECT NO 42502-83120
FILE NAME D-PP-129
SHEET NO.
D-PP-129.2

SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

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PLAN ON 10TH STREET

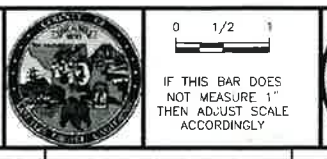


PROFILE ON 10TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
4/22/13	LLB	MDM		NOC 42 - LATERAL RELOCATIONS
1/10/13	LLB	MDM		NOC 28 - LATERAL RELOCATION
9/11/12	LLB	MDM		LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel (916) 687-9900



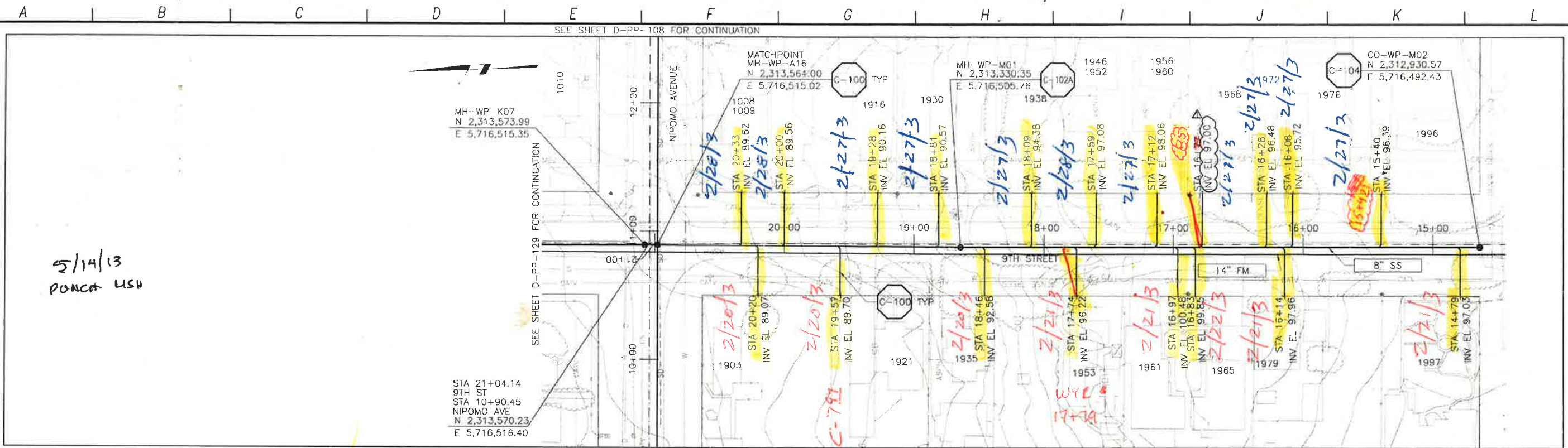
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 AT LEAST TWO DAYS
 BEFORE YOU DIG
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
10TH STREET
 STA. 29+00.78 TO 24+70.87

PROJECT NO. 42502-B3120
 FILE NAME: D-PP-131
 SHEET NO.
D-PP-131.2

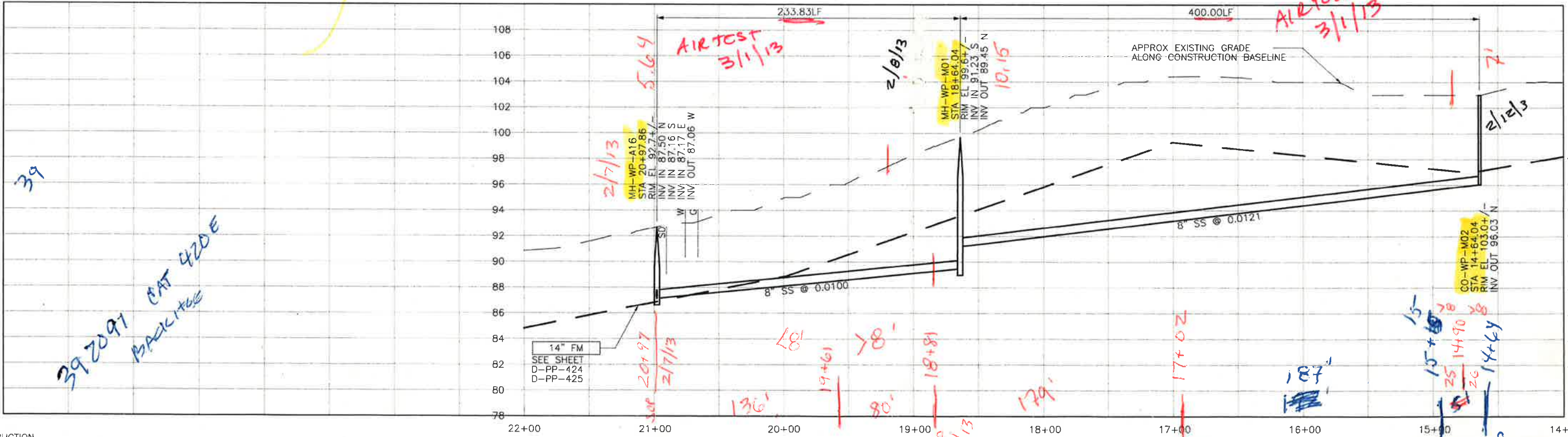
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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5/14/13
PUNCA USU

PLAN ON 9TH STREET



PROFILE ON 9TH STREET

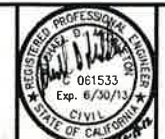
CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
10/15/12	LLB	MDM		LATERAL INVERT ADJUSTMENT

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

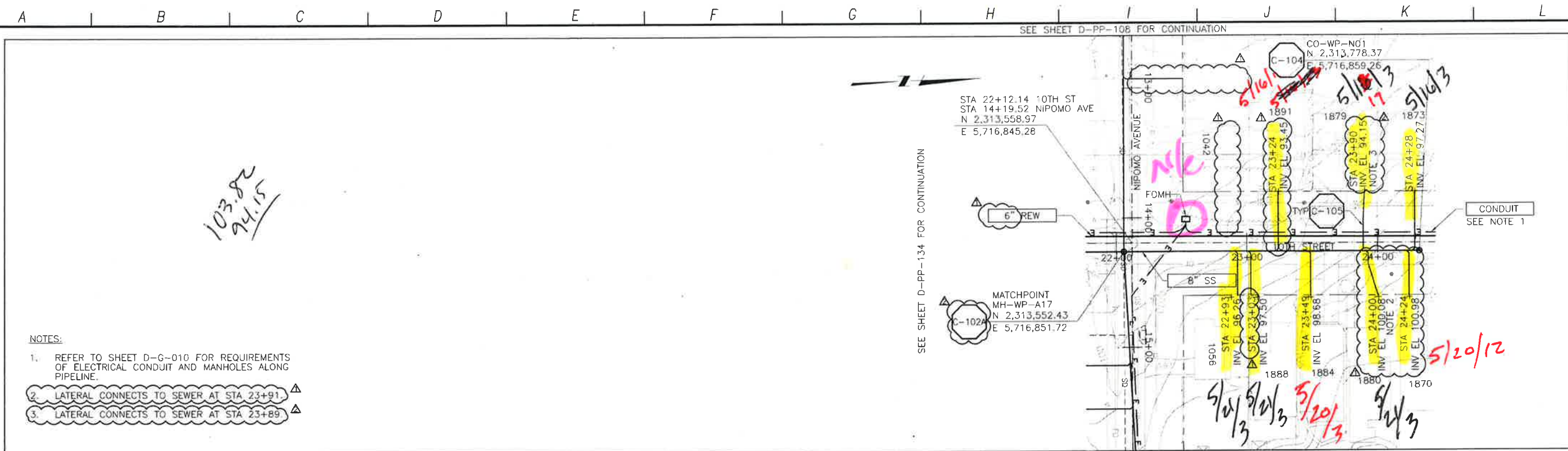


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 9TH STREET
 STA. 20+97.86 TO 14+64.04

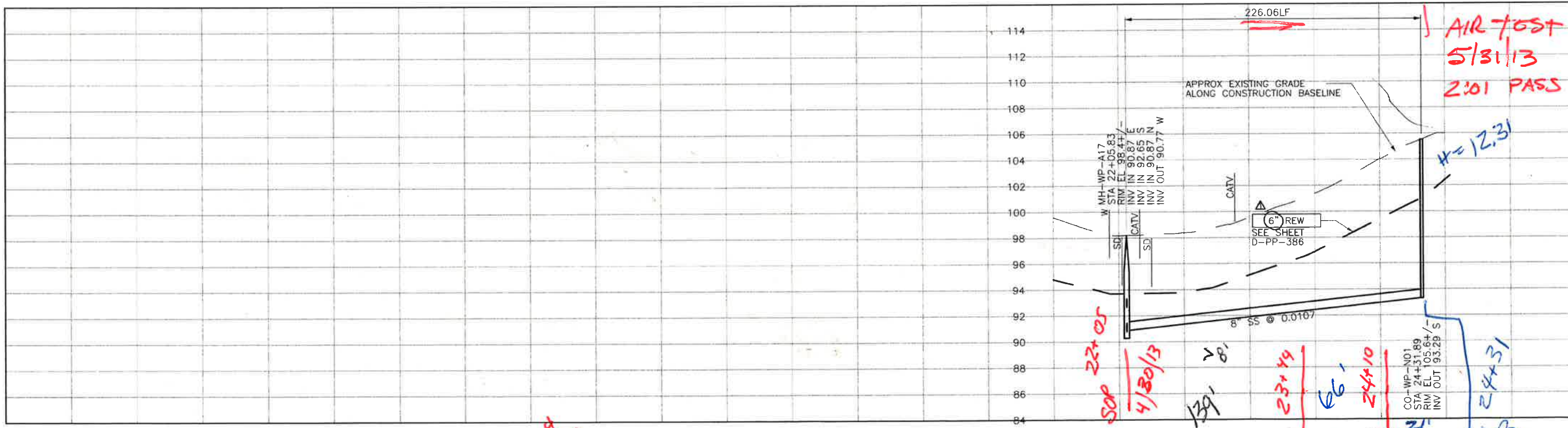
PROJECT NO. 42502-83120
 FILE NAME: D-PP-132
 SHEET NO.
 D-PP-132

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 10TH STREET



PROFILE ON 10TH STREET

CONSTRUCTION
BASELINE
STATION

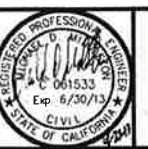
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATION
2	2/13/13	LLB	MDM	NOC 38 - LATERAL RELOCATIONS

DESIGNED BY: SDN
DRAWN BY: LLB
CHECKED BY: MDM
DATE: APRIL 2012

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2285 Gateway Oaks Drive, Suite 240
Sacramento, CA 95833
Tel: (916) 567-8900



0 1/2
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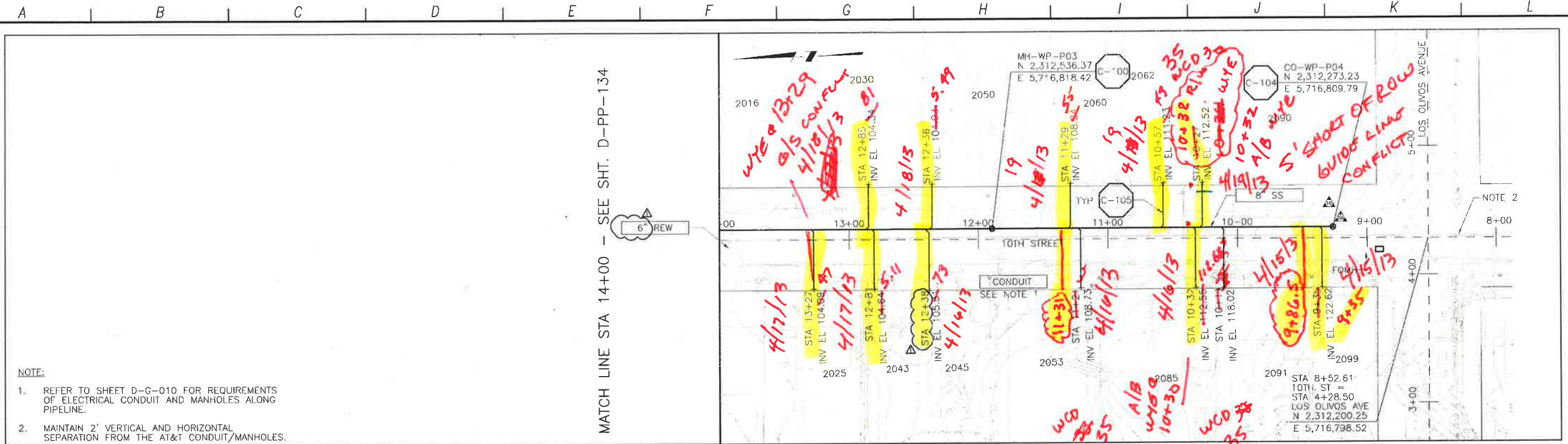


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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
10TH STREET
STA. 22+05.83 TO 24+31.89

SCALE:
HORZ: 1"=40'
VERT: 1"=4'
PROJECT NO. 42502-83120
FILE NAME: D-PP-133
SHEET NO.
D-PP-133.2

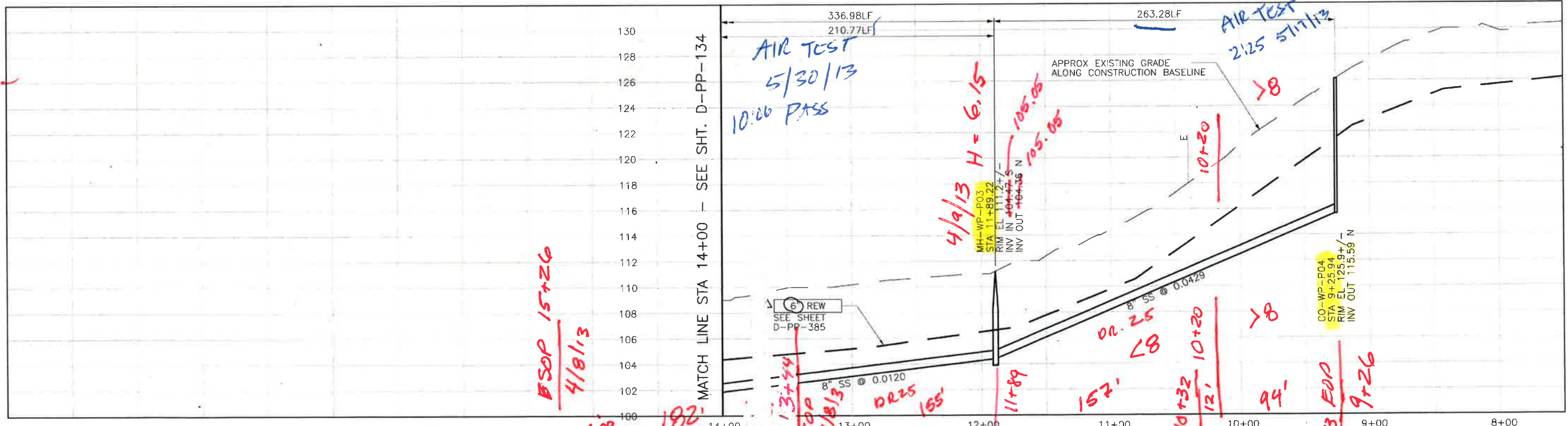
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- NOTE:
- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT/MANHOLES.

MATCH LINE STA 14+00 - SEE SHT. D-PP-134

PLAN ON 10TH STREET



PROFILE ON 10TH STREET

CONSTRUCTION BASELINE STATION

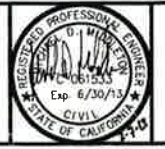
REV NO.	DATE	DRWN	CHKD	REMARKS
1	2/06/13	LLB	MDM	NOC 35 - LATERAL RELOCATION

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



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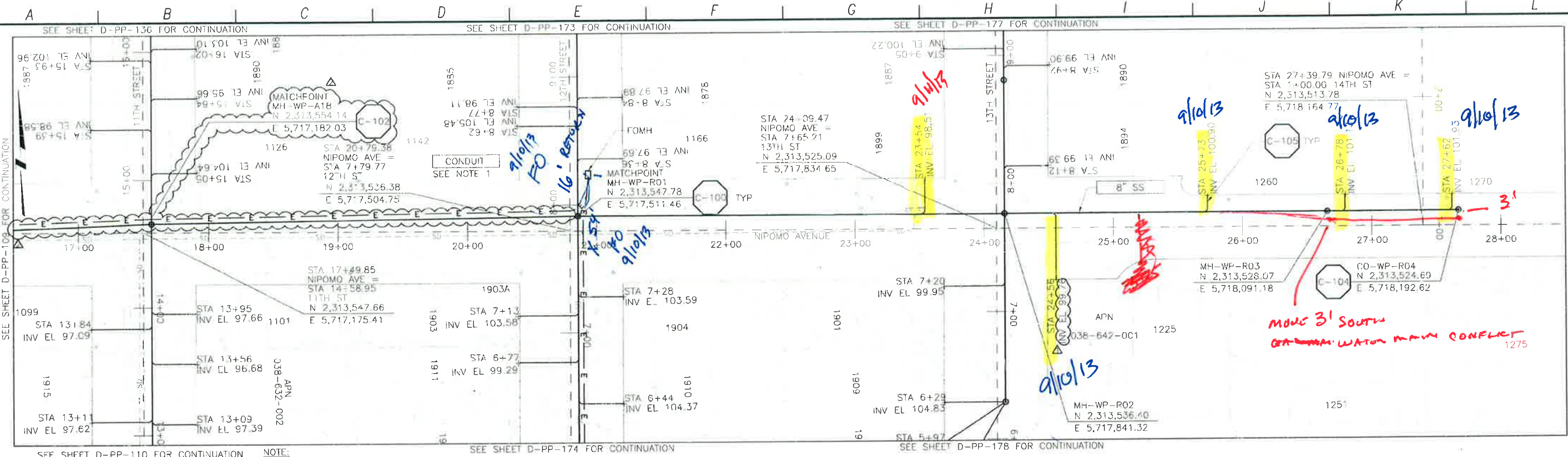
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 10TH STREET
 STA. 14+00.00 TO 9+25.94

PROJECT NO. 42502-83120
 FILE NAME: D-PP-135
 SHEET NO. D-PP-135.1

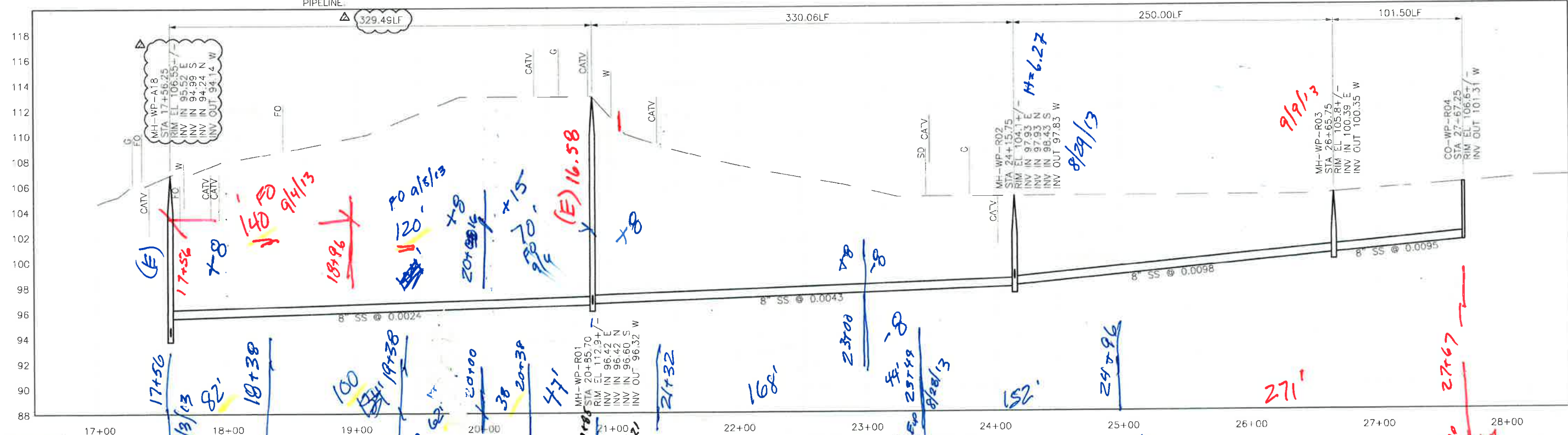
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON NIPOMO AVENUE



PROFILE ON NIPOMO AVENUE

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/29/12	LLB	MDW	ALIGNMENT ADJUSTMENT
2	10/15/12	LLB	MDW	LATERAL INVERT ADJUSTMENT

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
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 Sacramento, CA 95833
 Tel: (916) 567-9900



SCALE: 1" = 40'
 VERT: 1" = 4'



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY.

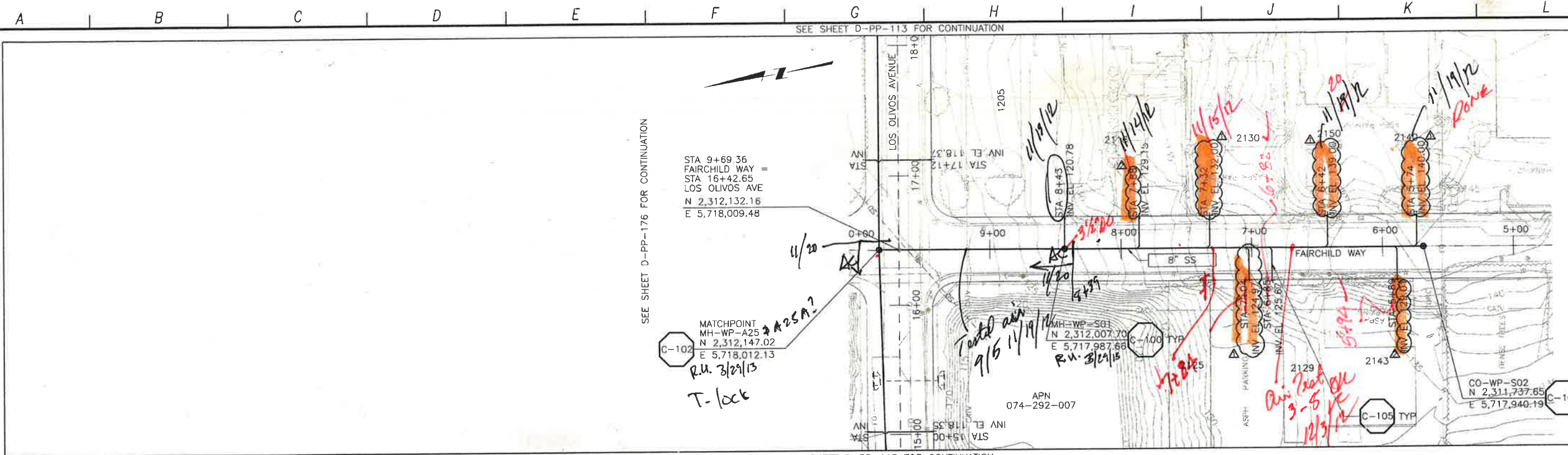
DIGALERT
 DIAL TOLL FREE
 1-800-642-3444
 41181 7th St
 Fremont, CA 94538

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 NIPOMO AVE
 STA. 17+56.25 TO 27+67.25

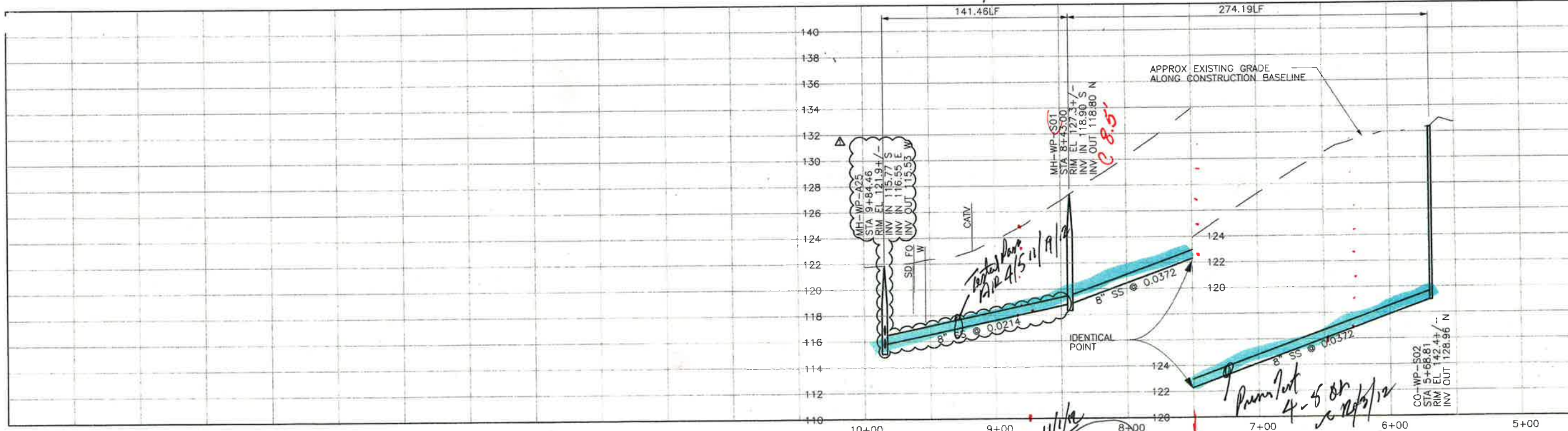
PROJECT NO. 42502-83'20'
 FILE NAME: D-PP-137
 SHEET NO.
D-PP-137

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PLAN ON FAIRCHILD WAY



PROFILE ON FAIRCHILD WAY

CONSTRUCTION BASELINE STATION

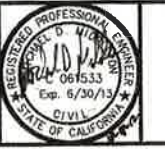
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/15/12	LLB	MDM	LATERAL INVERT ADJUSTMENT
2	8/27/12	LLB	MDM	LATERAL RELOCATION & SLOPE CHANGE

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2285 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 967-9960



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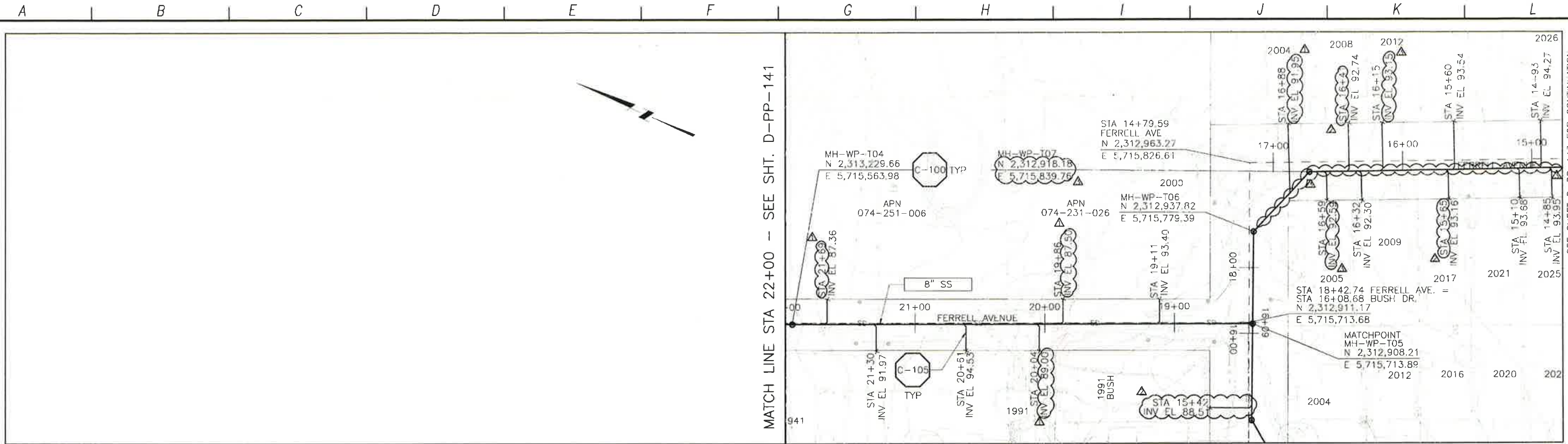


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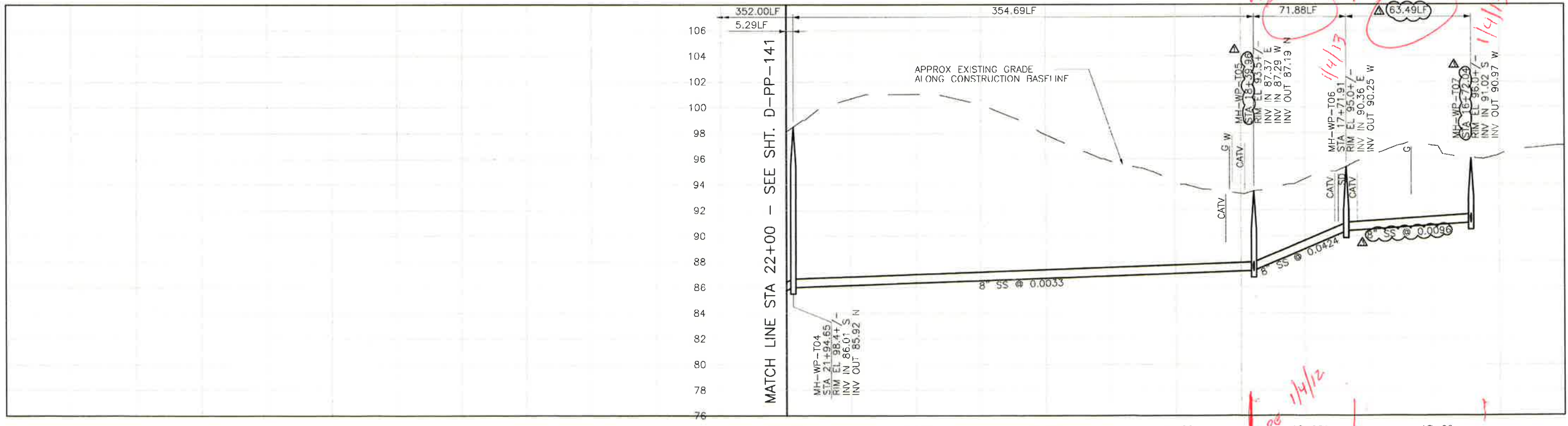
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE FAIRCHILD WAY
 STA. 9+84.46 TO 5+68.81

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-139
 SHEET NO.
D-PP-139

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PLAN ON FERRELL AVENUE



PROFILE ON FERRELL AVENUE

CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	12/10/12	LLB	MDM	RFI 26 - SS REALIGNMENT AND LATERAL INVERT UPDATES
2	10/22/12	LLB	MDM	LATERAL RELOCATIONS
3	10/15/12	LLB	MDM	LATERAL INVERT ADJUSTMENTS

DESIGNED BY: SON
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
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 Sacramento, CA 95833
 Tel: (916) 587-9900



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 UNDERGROUND SERVICE ALERT OF WESTERN CALIFORNIA

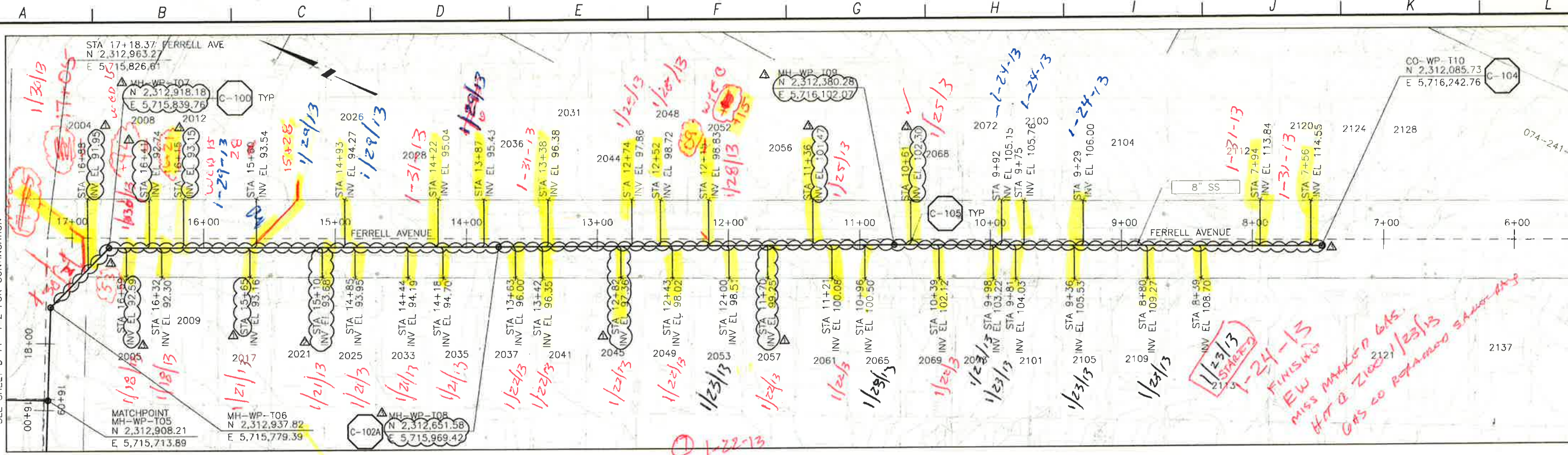
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
FERRELL AVE
 STA. 22+00.00 TO 16+78.24

PROJECT NO: 42502-B3120
 FILE NAME: D-PP-142
 SHEET NO: D-PP-142.1

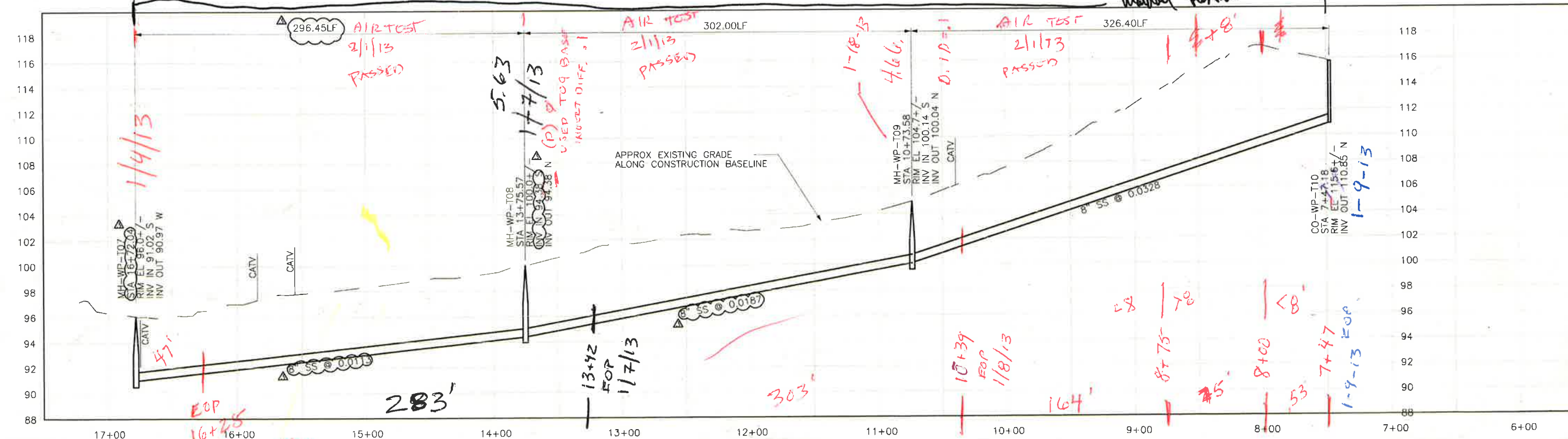
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

SEE SHEET D-PP-179 FOR CONTINUATION
 SEE SHEET D-PP-143 FOR CONTINUATION
 A14 TEST
 PASS
 2/13/13
 1/4/13

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PLAN ON FERRELL AVENUE



PROFILE ON FERRELL AVENUE

NOTE: CONSTRUCTION BASELINE STATION AT N 2,312,911.17, E 5,715,713.68 STA 18+42.74 FERRELL AVE = STA 16+08.68 BUSH DR

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	12/10/12	LLB	MDM	RFI 26 - SS REALIGNMENT AND LATERAL INVERT UPDATES
2	11/09/12	LLB	MDM	LATERAL RELOCATION
3	10/22/12	LLB	MDM	LATERAL RELOCATIONS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel. (916) 667-9900



SCALE: 1" = 40'
 1" = 4'



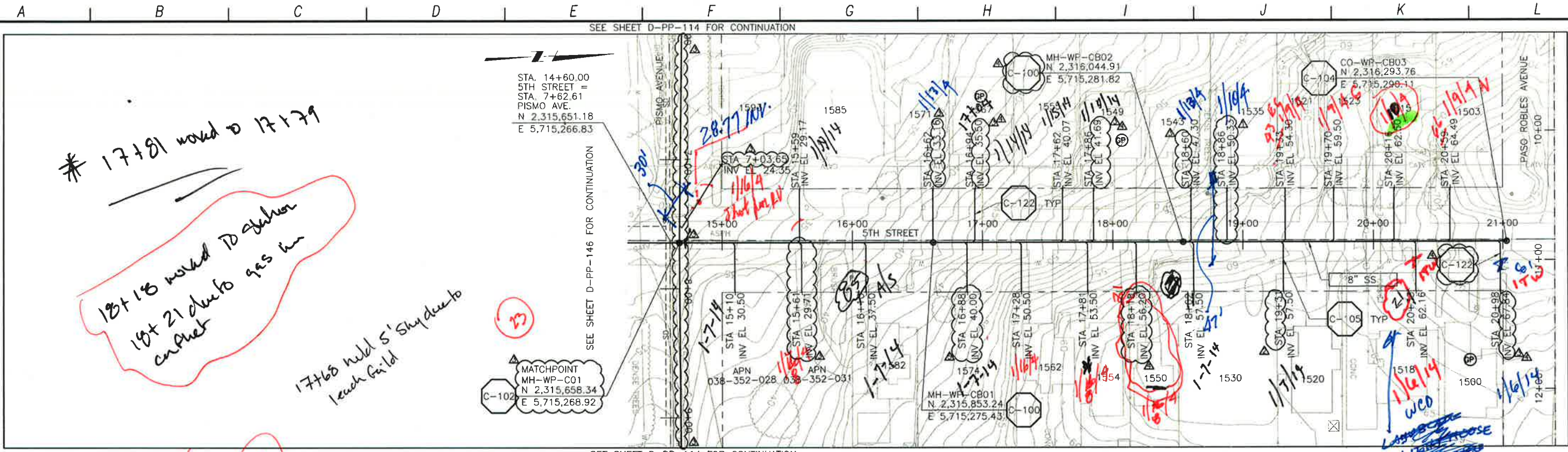
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
FERRELL AVE
 STA. 16+78.24 TO 7+47.18

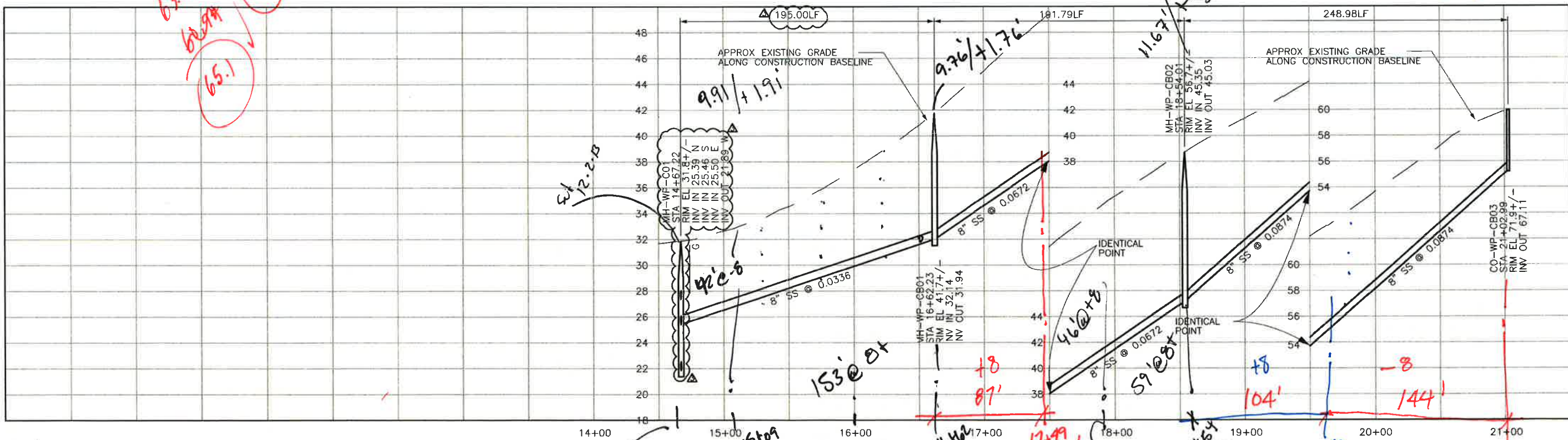
PROJECT NO. 42502-83120
 FILE NAME: D-PP-143
 SHEET NO. **D-PP-143.1**

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* 17+81 moved to 17+79
 18+18 moved to station
 19+21 duct to gas line
 17+68 hold 5' Sky due to
 Leach Field

PLAN ON 5TH STREET

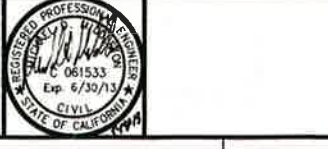


PROFILE ON 5TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	5/13/13	LLB	MDM	NOC 48 - LATERAL RELOCATION
2	4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATIONS
3	3/11/13	LLB	MDM	RFI 61 - SS REALIGNMENT
4	2/06/13	LLB	MDM	NOC 35 - LATERAL RELOCATION
5	9/11/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: _____ APS
 DRAWN BY: _____ LLB
 CHECKED BY: _____ MDM
 DATE: _____ APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



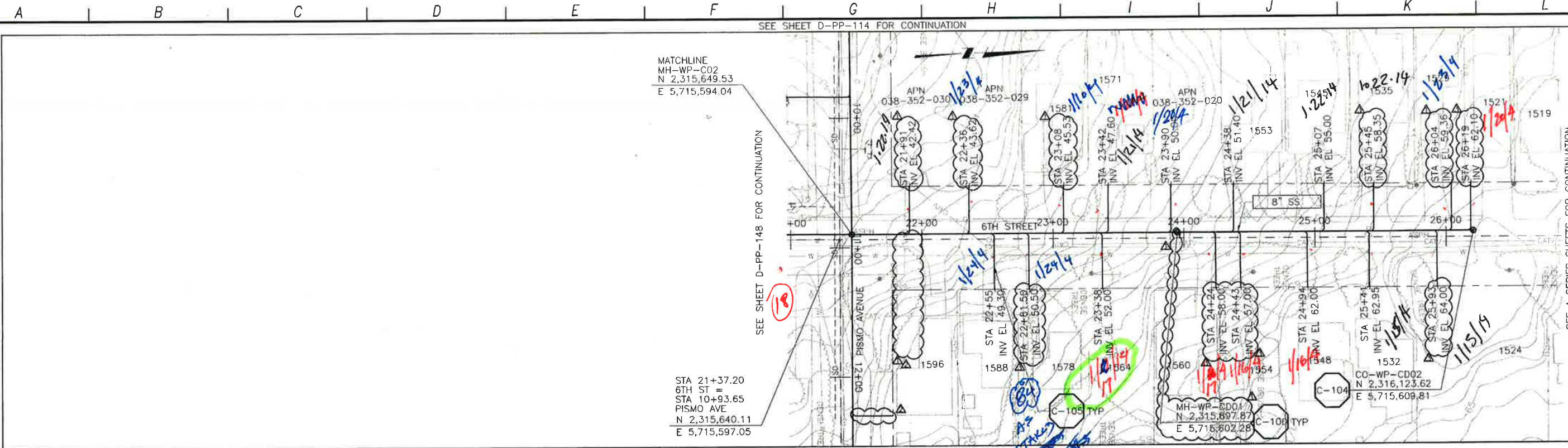
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
5TH STREET
 STA. 14+69.75 TO 21+02.99

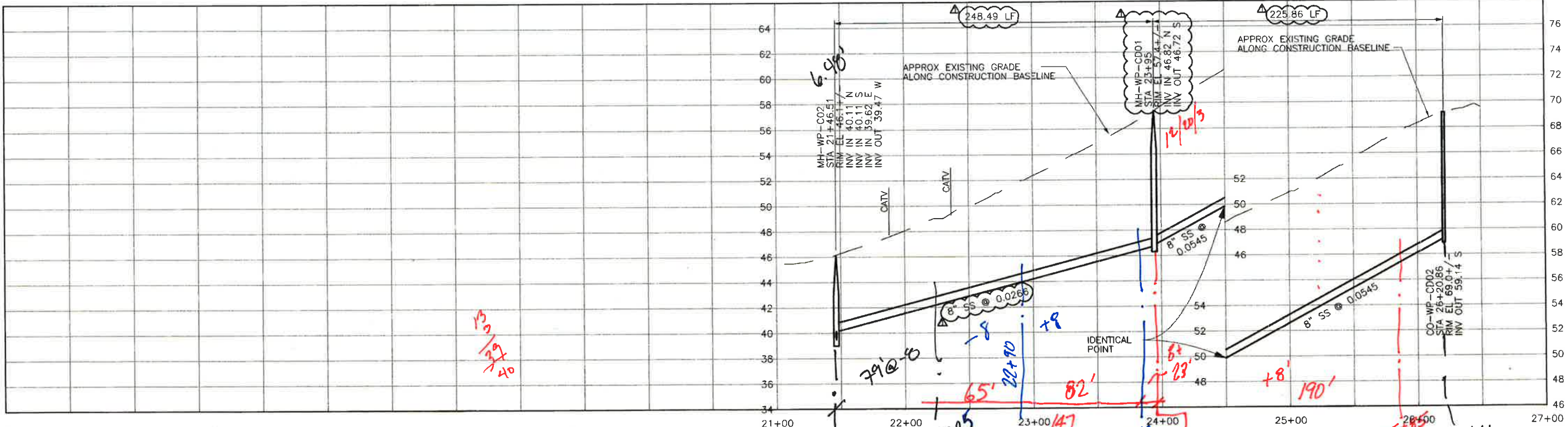
PROJECT NO. 42502-83120
 FILE NAME: D-PP-145
 SHEET NO. **D-PP-145.4**

SCALE:
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 VERT: 1"=4'

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PLAN ON 6TH STREET



PROFILE ON 6TH STREET

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
12/11/13	LLB	MDM		NOC 114 - LATERAL RELOCATIONS
9/09/13	LLB	MDM		NOC 80 - LATERAL RELOCATION
5/07/13	LLB	MDM		RFI 88 - MH RELOCATION

DESIGNED BY: _____ APS
 DRAWN BY: _____ LLB
 CHECKED BY: _____ MDM
 DATE: _____ APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



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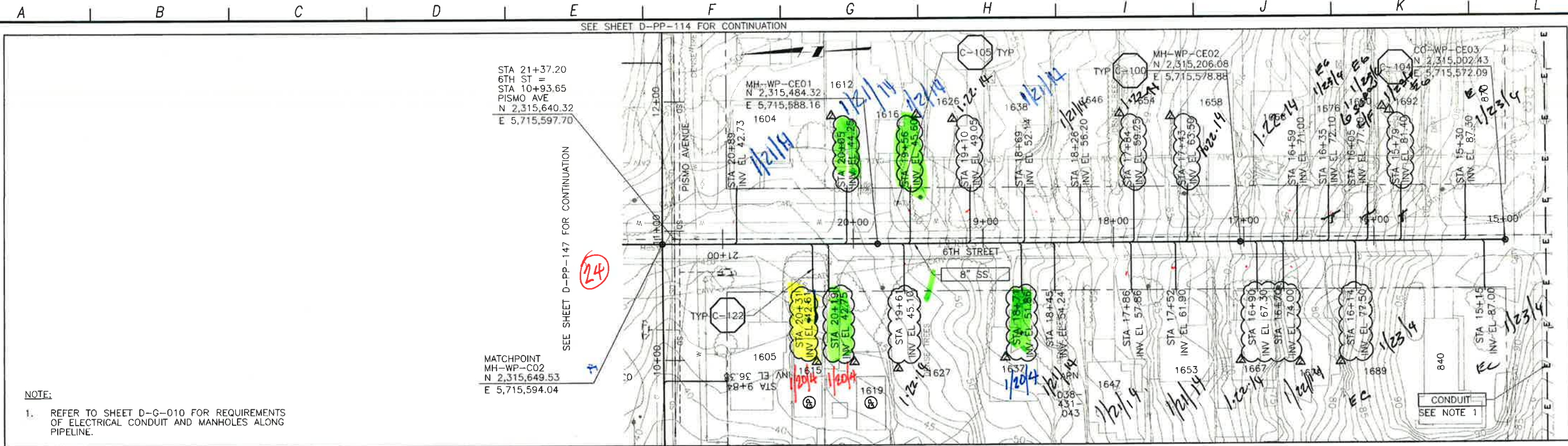
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
6TH STREET
 STA. 21+46.51 TO 26+20.86

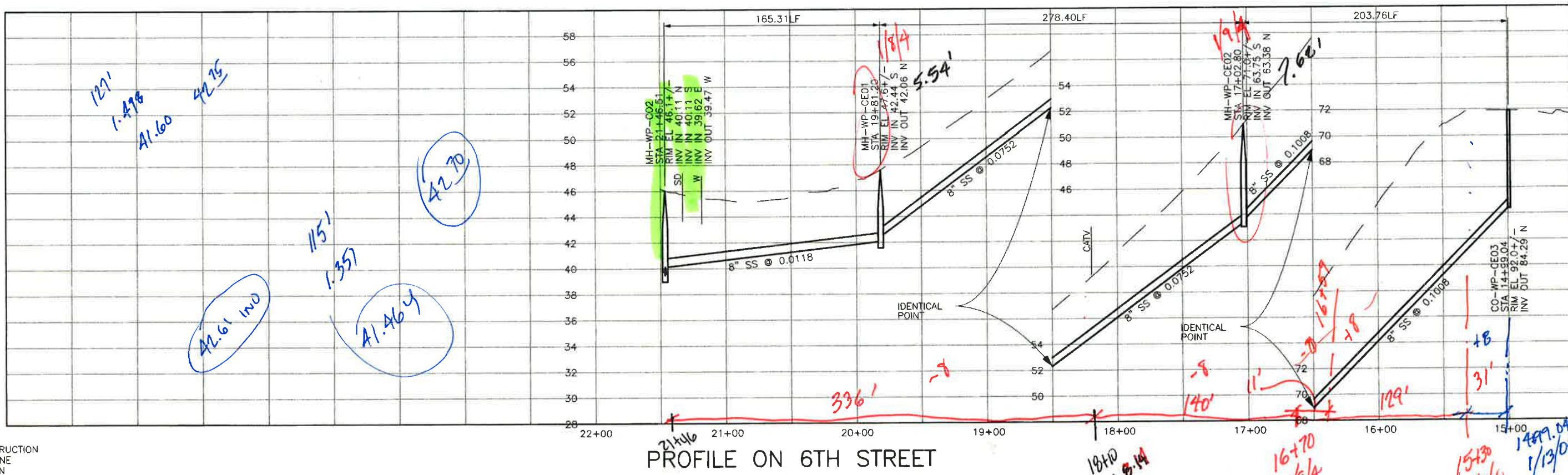
PROJECT NO. 42502-83120
 FILE NAME: D-PP-147
 SHEET NO.
D-PP-147.3

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 6TH STREET



PROFILE ON 6TH STREET

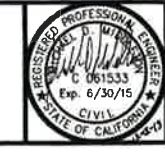
REV. NO.	DATE	DRWN	CHKD	REMARKS
12/11/13	LLB	MDM		NOC 114 - LATERAL RELOCATIONS
8/01/13	LLB	MDM		DCM 82 - LATERAL INVERT UPDATE

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



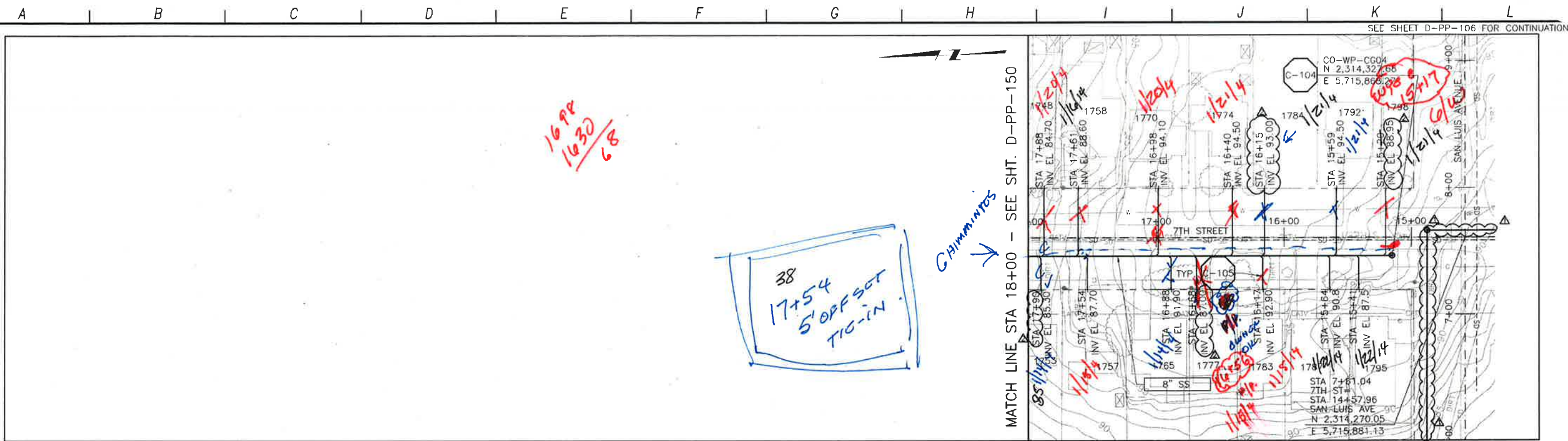
DIGALERT
 DIAL TOLL FREE
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 6TH STREET
 STA. 21+46.51 TO 14+99.04

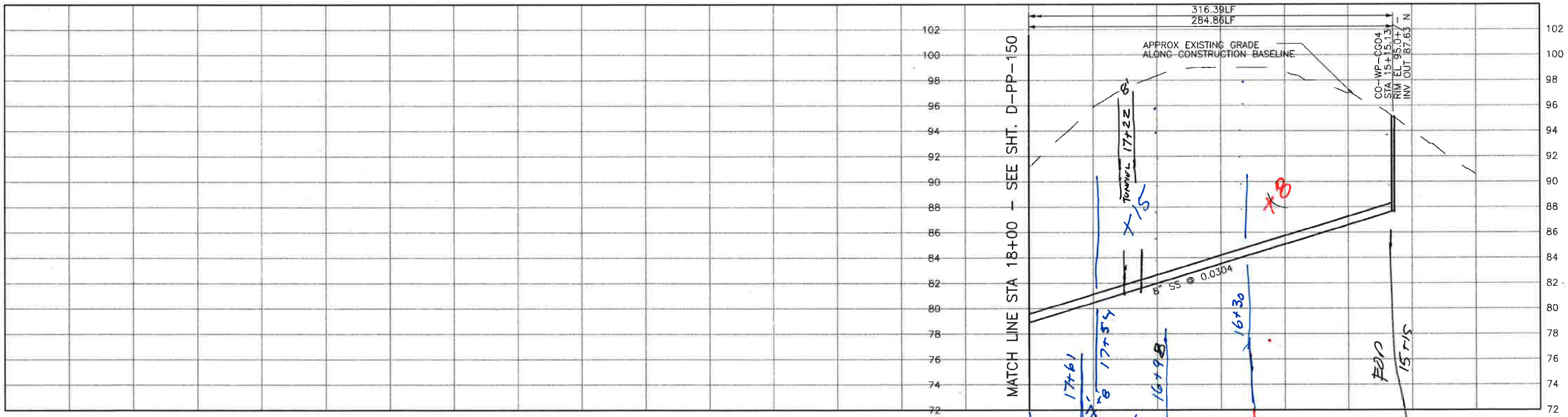
PROJECT NO 42502-83120
 FILE NAME: D-PP-148
 SHEET NO.
 D-PP-148.2

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 7TH STREET



PROFILE ON 7TH STREET

CONSTRUCTION
BASELINE
STATION

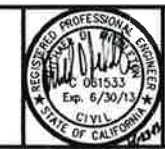
REV. NO.	DATE	DRWN	CHKD	REMARKS
4/22/13	LLB	MDM		NOC 42 - LATERAL RELOCATIONS
3/13	LLB	MDM		NOC 31 - SS REALIGNMENT

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2204 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 967-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



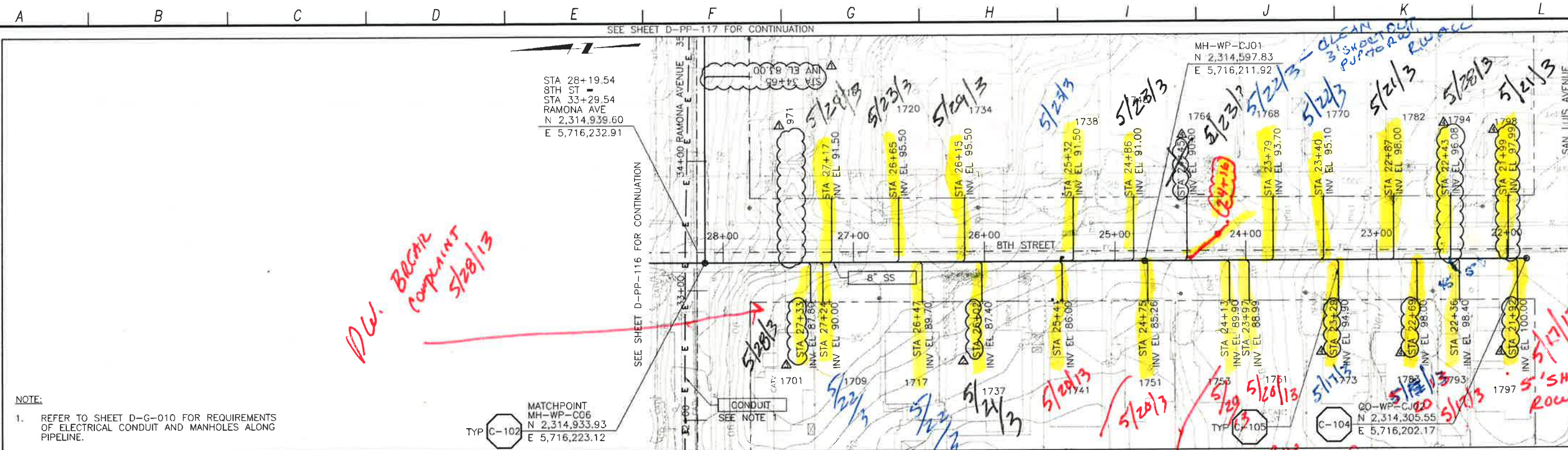
DIGALERT
 DIAL TOLL FREE
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
7TH STREET
 STA. 18+00.00 TO 15+15.13

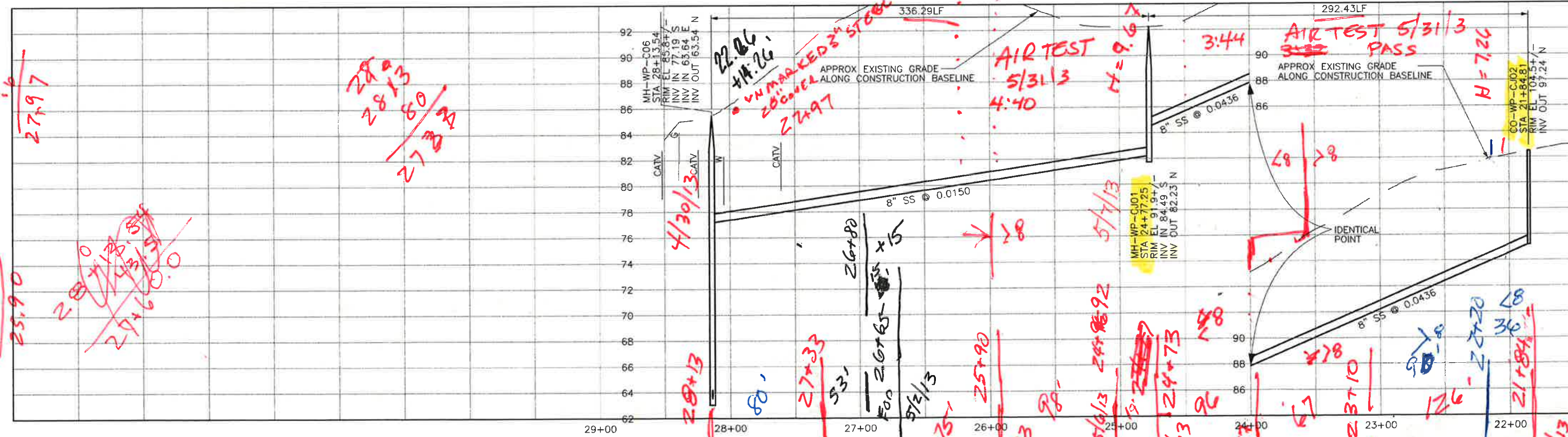
PROJECT NO. 42502-83120
 FILE NAME: D-PP-151
 SHEET NO. D-PP-151.1

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 8TH STREET



PROFILE ON 8TH STREET

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
2/28/13	LLB	MDM	NOC 40 - LATERAL RELOCATIONS	
2/13/13	LLB	MDM	NOC 38 - LATERAL RELOCATION	
12/20/12	LLB	MDM	RNOC 25 - LATERAL RELOCATIONS	
10/09/12	LLB	MDM	LATERAL RELOCATIONS	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



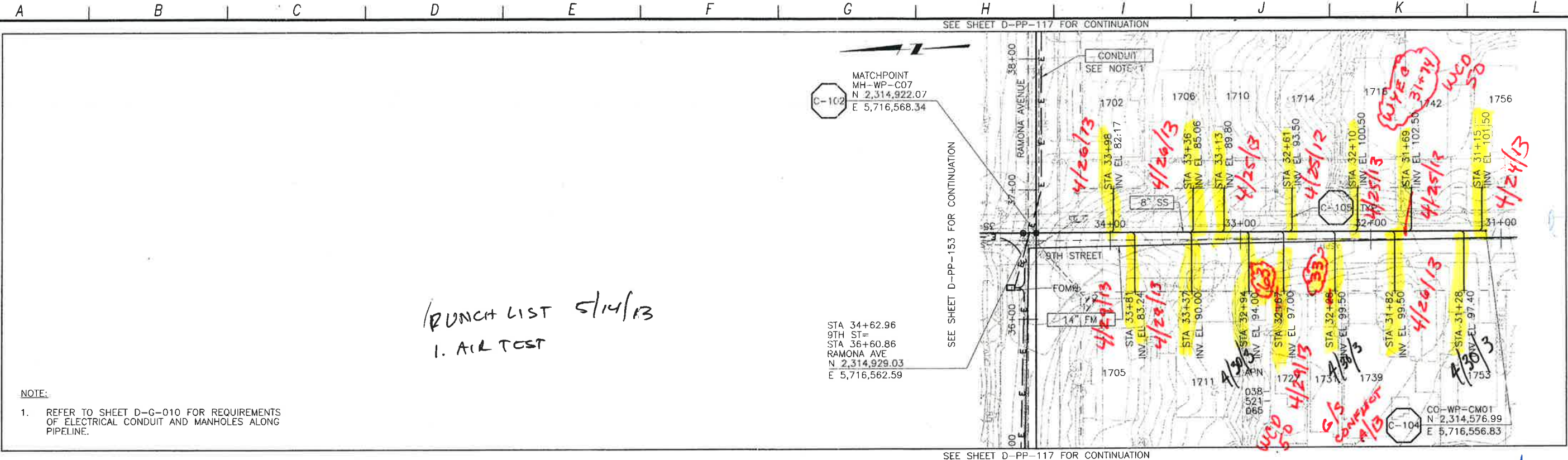
DIGALERT
 DIAL TOLL FREE 1-800-542-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE NEXT OF WORKERS CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
8TH STREET
 STA. 28+13.54 TO 21+84.81

PROJECT NO 42502-83120
 FILE NAME: D-PP-152
 SHEET NO.
D-PP-152.3

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

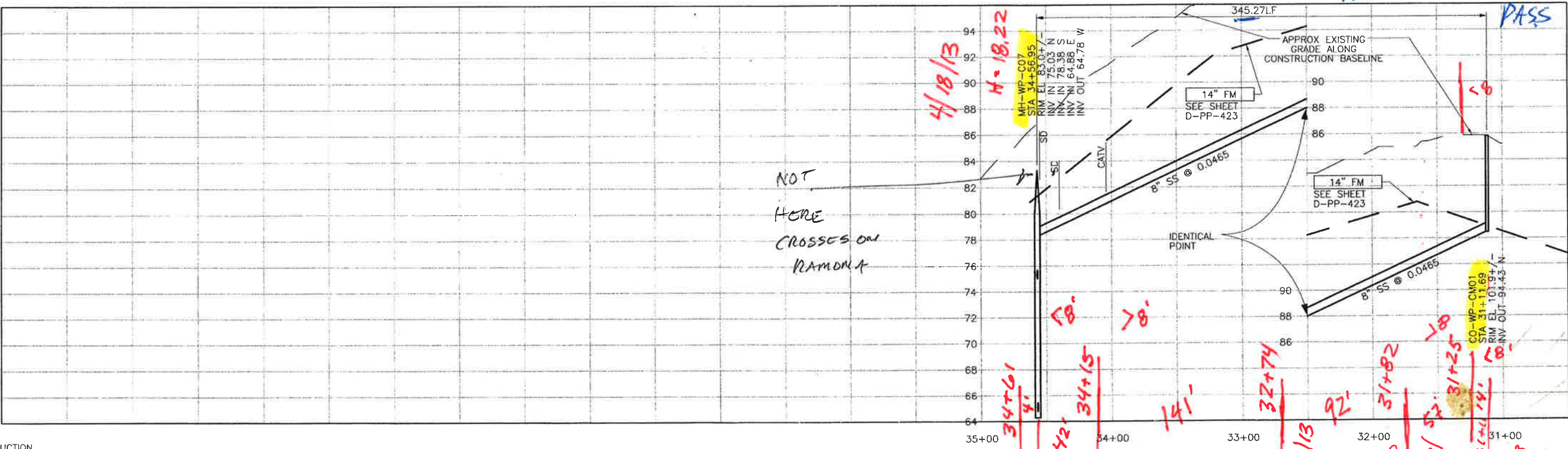
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PUNCH LIST 5/14/13
 1. AIR TEST

NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON 9TH STREET



AIR TEST 5/29/13
 PASS

NOT
 HERE
 CROSSES ON
 RAMONA

PROFILE ON 9TH STREET

CONSTRUCTION
 BASELINE
 STATION

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2"
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



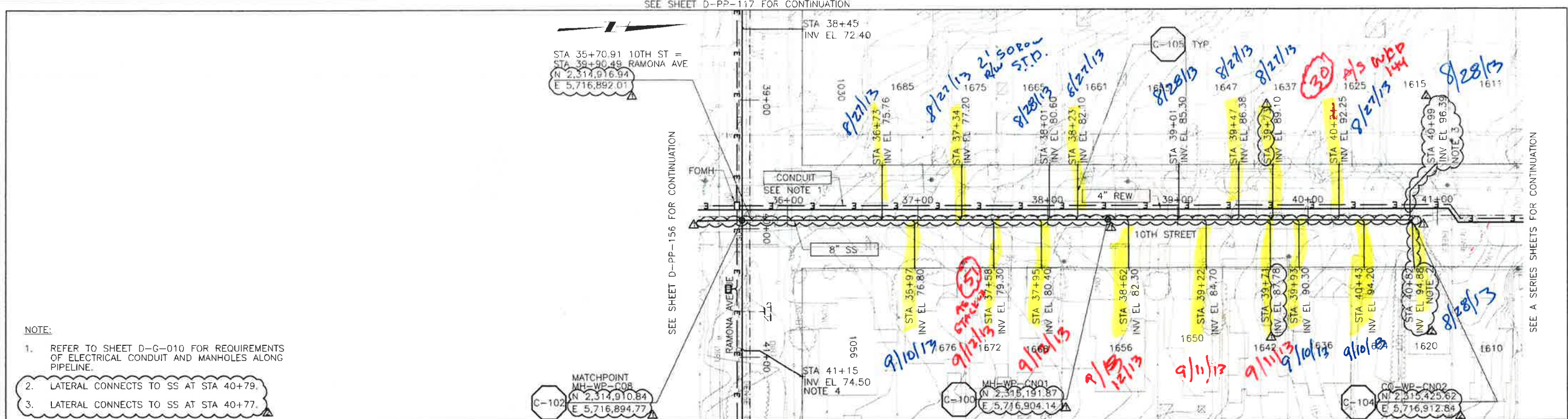
DIGALERT
 DIAL TOLL FREE
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 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 9TH STREET
 STA. 34+56.95 TO 31+11.69

PROJECT NO. 42502-83120
 FILE NAME: D-PP-154
 SHEET NO.
D-PP-154

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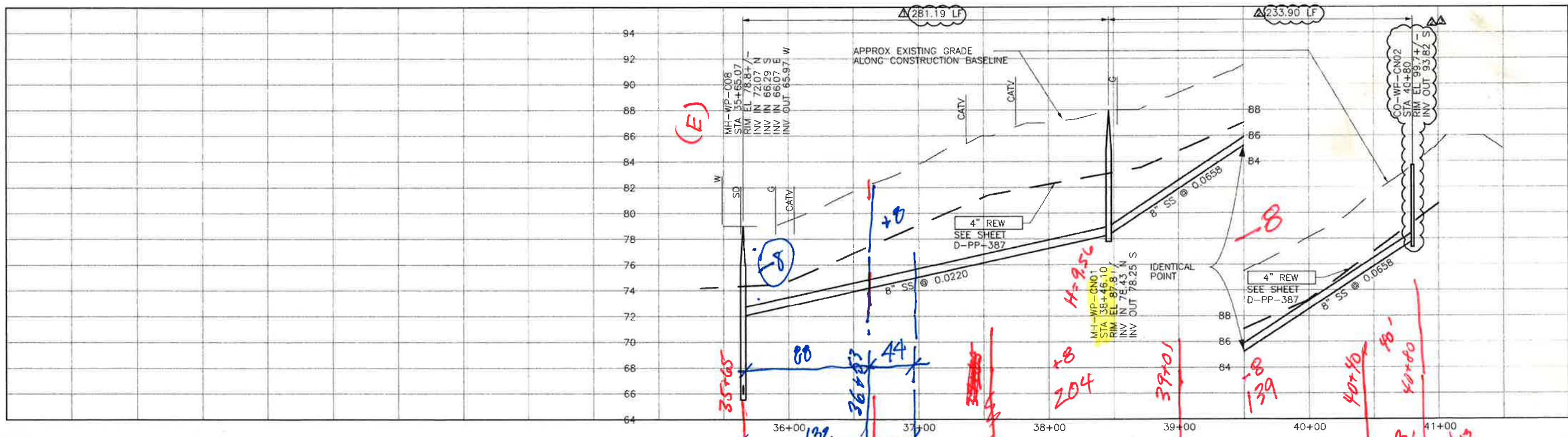
A B C D E F G H I J K L



- NOTE:
- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - LATERAL CONNECTS TO SS AT STA 40+79.
 - LATERAL CONNECTS TO SS AT STA 40+77.

SEE SHEET D-PP-117 FOR CONTINUATION

PLAN ON 10TH STREET



PROFILE ON 10TH STREET

CONSTRUCTION BASELINE STATION

REV NO.	DATE	DRWN	CHKD	REMARKS
4/04/13	LLB	MDM		RFI 69 - CLEANOUT RIM CLARIFICATION
4/02/13	LLB	MDM		NOC 42 - LATERAL RELOCATIONS
4/02/13	LLB	MDM		RFI 69 - SS REALIGNMENT

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



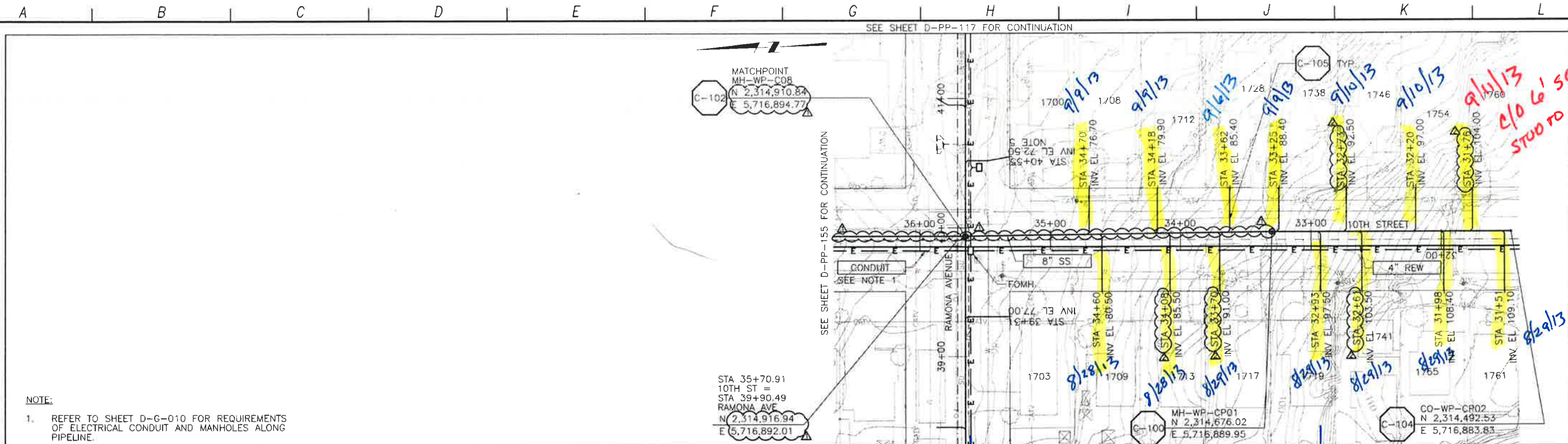
DIGAERT
 DIAL TOLL FREE 1-800-642-2444
 ALL AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 10TH STREET
 STA. 35+65.07 TO 41+04.45

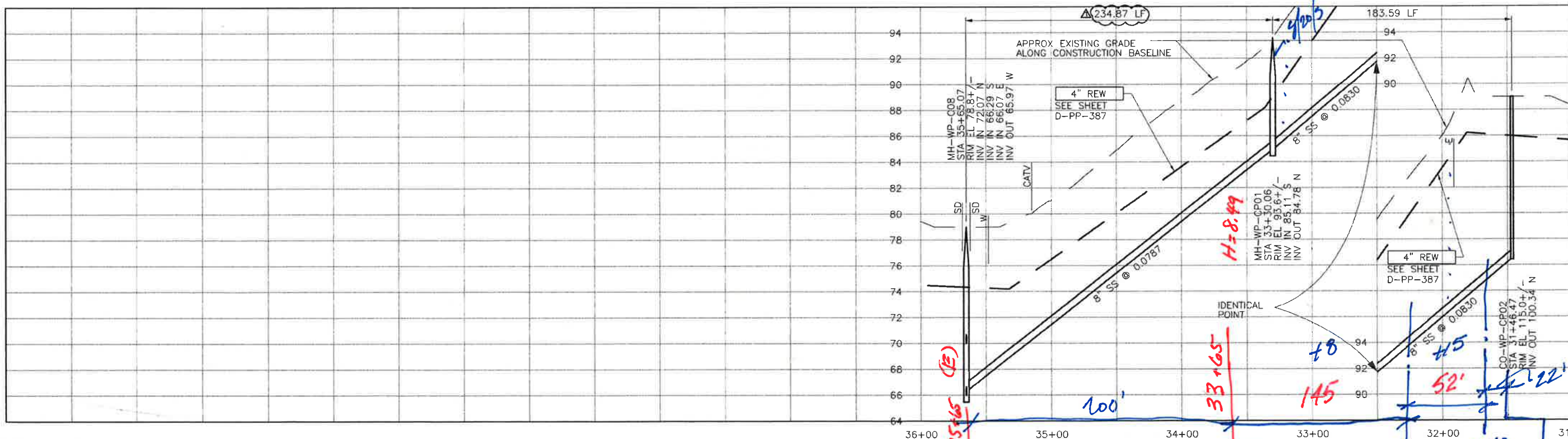
PROJECT NO. 42502-83120
 FILE NAME: D-PP-155
 SHEET NO. D-PP-155.2

SCALE:
 HORIZ. 1"=40'
 VERT. 1"=4'

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PLAN ON 10TH STREET



PROFILE ON 10TH STREET

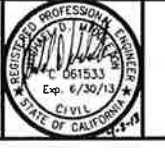
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/02/13	LLB	MDM	NOC 42 - LATERAL RELOCATIONS
2	4/02/13	LLB	MDM	RFI 69 - SS REALIGNMENT

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
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IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

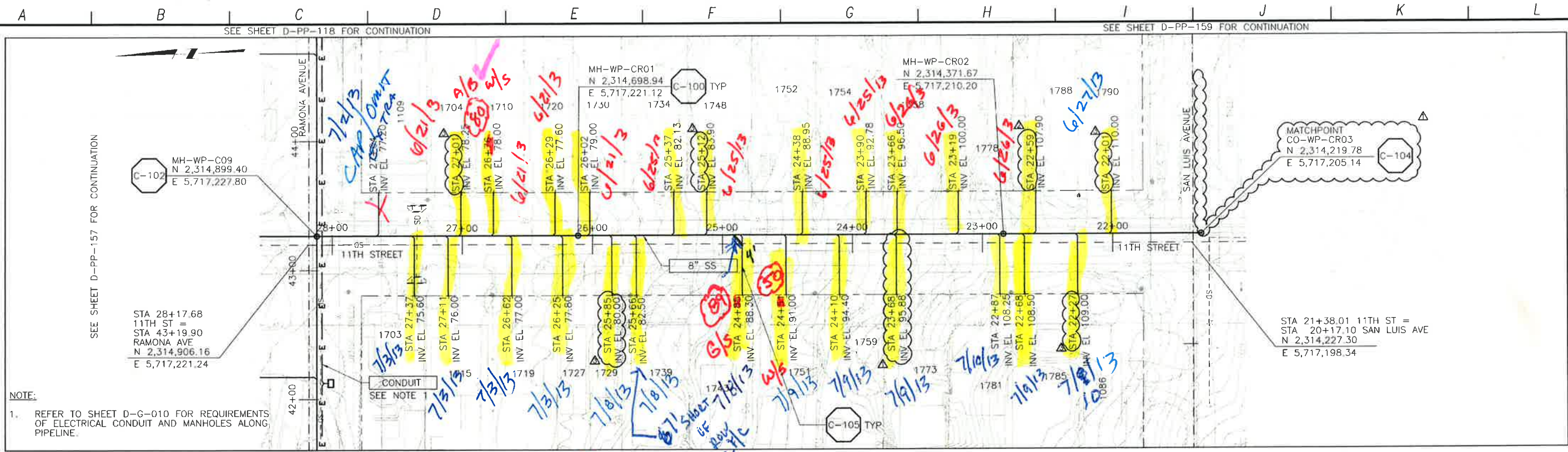


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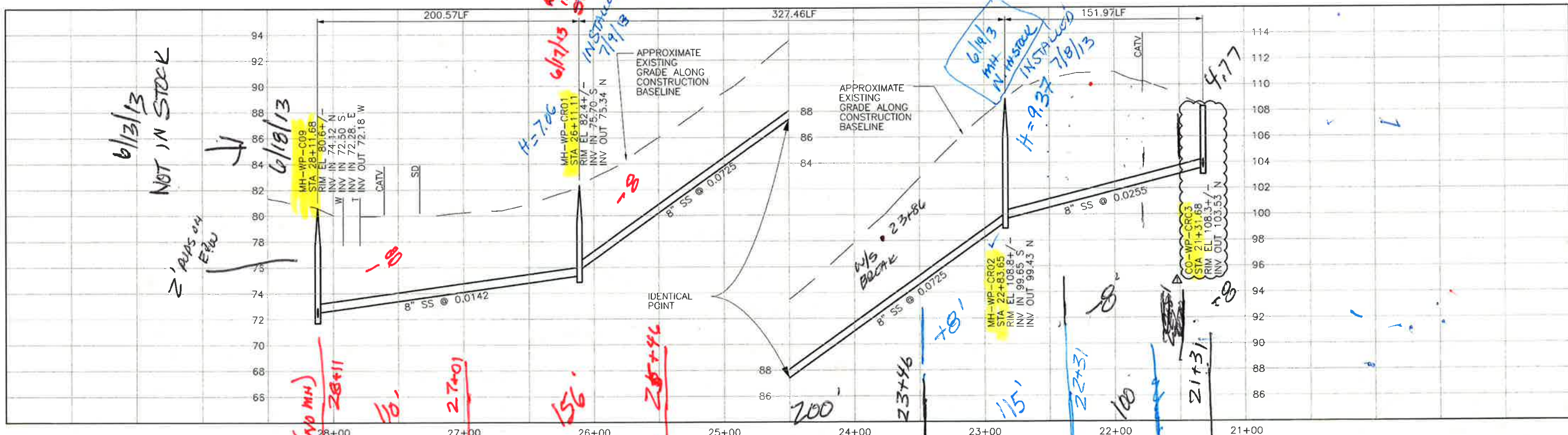
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
10TH STREET
 STA. 35+65.07 TO 31+46.47

PROJECT NO. 42502-83120
 FILE NAME: D-PP-156
 SHEET NO.
D-PP-156.1

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PLAN ON 11TH STREET



PROFILE ON 11TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
4/22/13	LLB	MDM		NOC 42 - LATERAL RELOCATIONS
2/13/13	LLB	MDM		NOC 38 - LATERAL RELOCATION
9/11/12	LLB	MDM		LATERAL RELOCATION & CO ADDITION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
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 Sacramento, CA 95833
 Tel: (916) 567-9900

0 1/2 1
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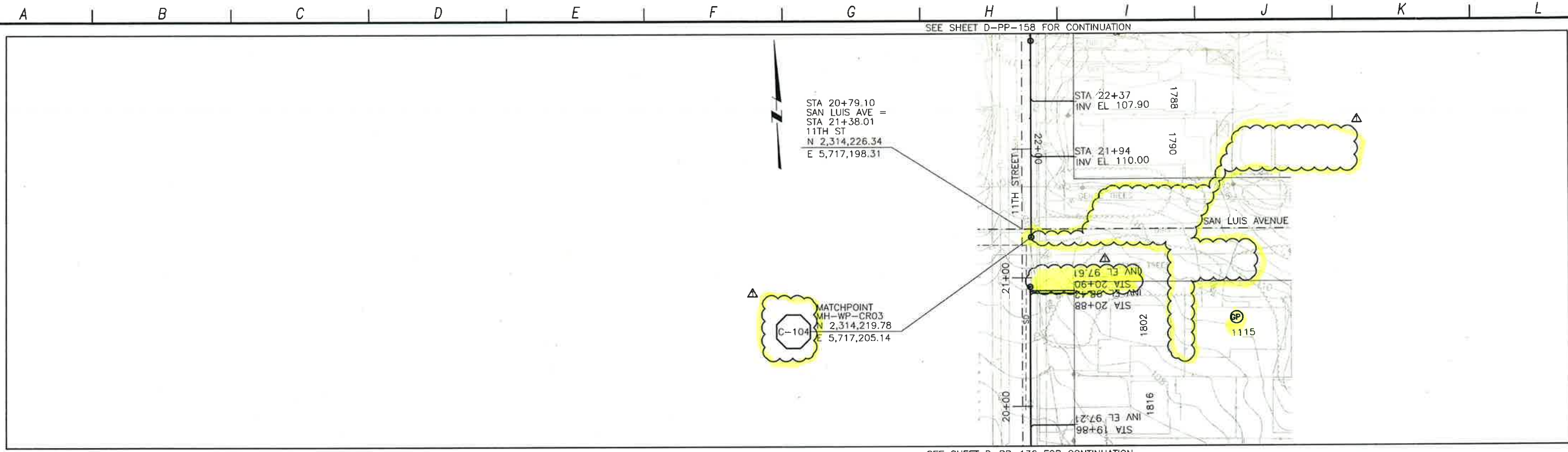
REGISTERED PROFESSIONAL ENGINEER
 No. 061533
 Exp. 6/30/13
 CIVIL
 STATE OF CALIFORNIA

DIGALERT
 DIAL TOLL FREE
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

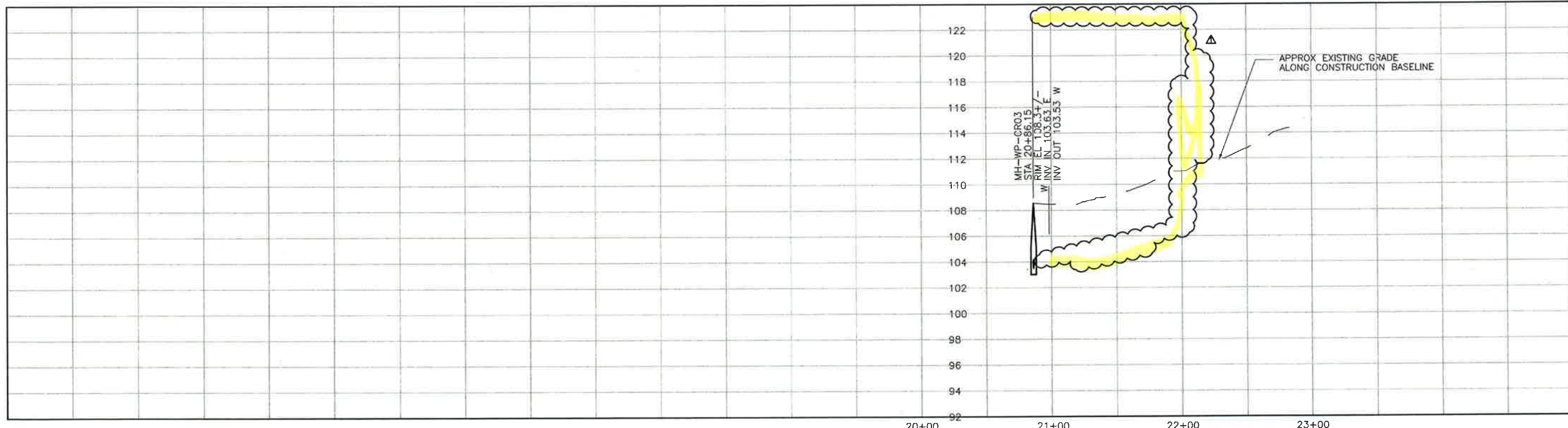
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
11TH STREET
 STA. 28+11.68 TO 21+31.68

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO 42502-B3120
 FILE NAME: D-PP-158
 SHEET NO.
D-PP-158.2

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PLAN ON SAN LUIS AVENUE



PROFILE ON SAN LUIS AVENUE

CONSTRUCTION
BASELINE
STATION

SCALE:
HORZ: 1"=40'
VERT: 1"=4'

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	9/11/12	LLB	MDM	LATERAL RELOCATION & SEWER REMOVAL

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9000



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

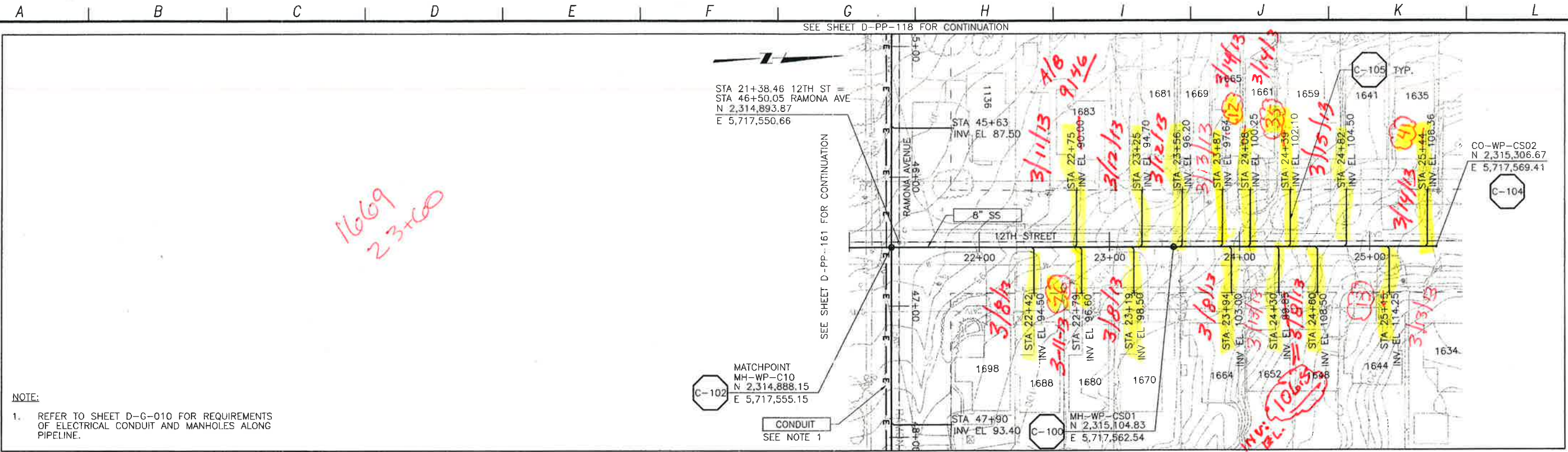


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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 SAN LUIS AVE
 STA. 20+86.15 TO 22+07.50

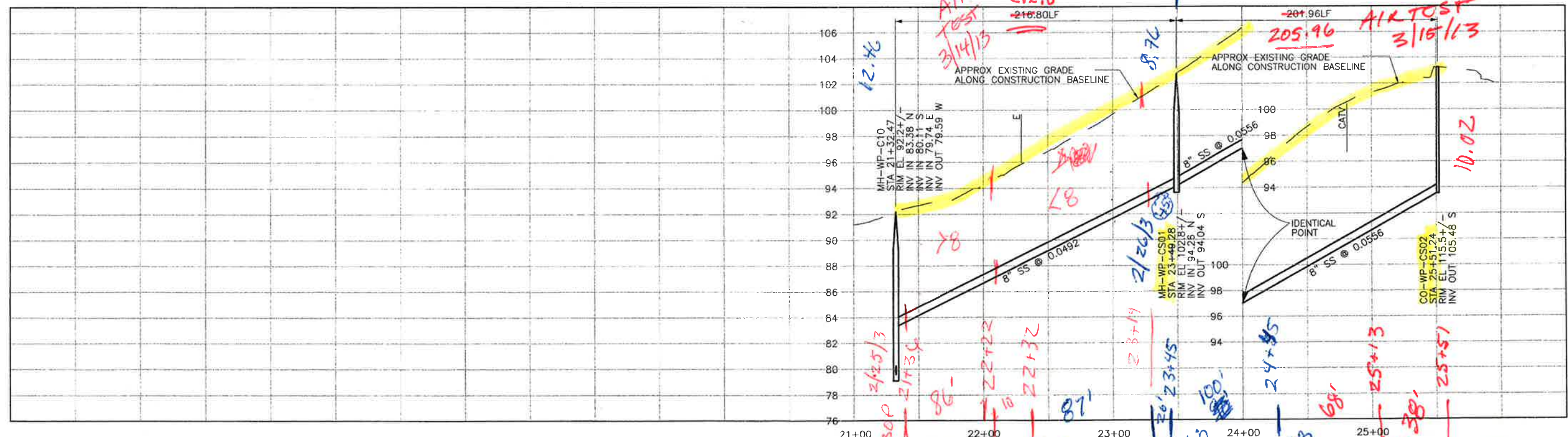
PROJECT NO. 42502-83120
 FILE NAME: D-PP-159
 SHEET NO.
D-PP-159

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NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON 12TH STREET



PROFILE ON 12TH STREET

CONSTRUCTION BASELINE STATION

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

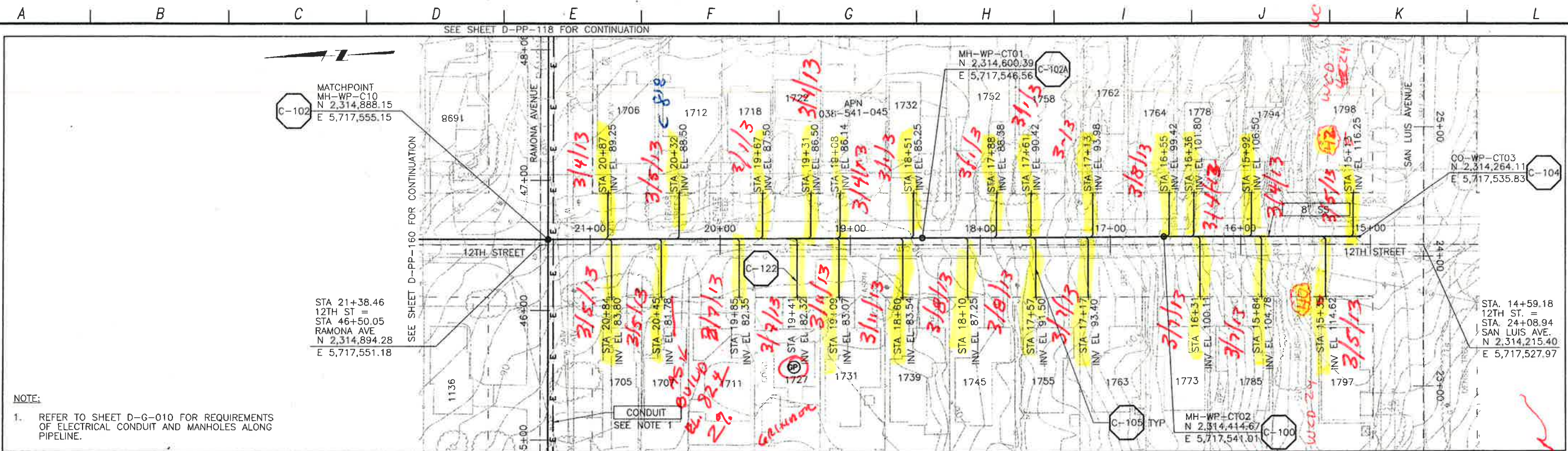


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 AT LEAST TWO DAYS BEFORE YOU DIG
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 12TH STREET
 STA. 21+32.47 TO 25+51.24

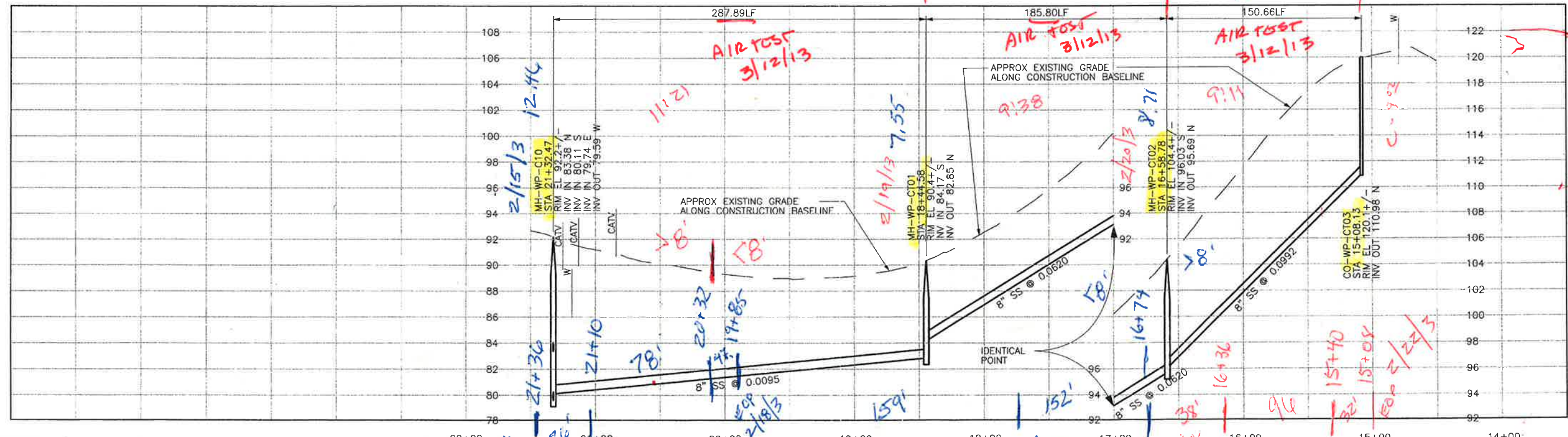
PROJECT NO. 42502-83120
 FILE NAME: D-PP-160
 SHEET NO.
 D-PP-160

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NOTE:
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PLAN ON 12TH STREET



PROFILE ON 12TH STREET

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 12TH STREET
 STA. 21+32.47 TO 15+08.13

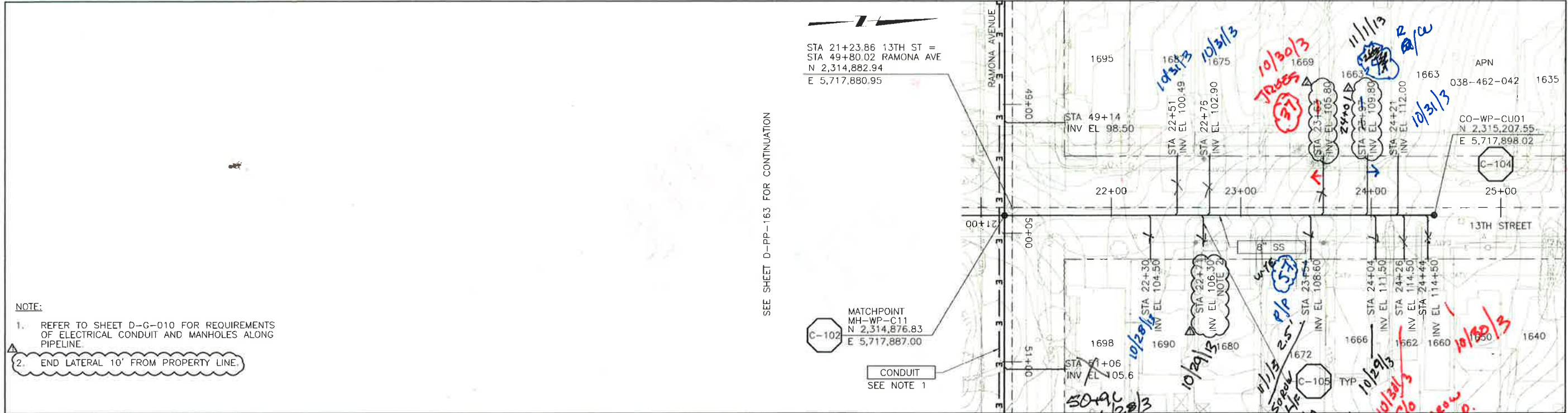
PROJECT NO. 42502-B3120
 FILE NAME: D-PP-161
 SHEET NO.
D-PP-161

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

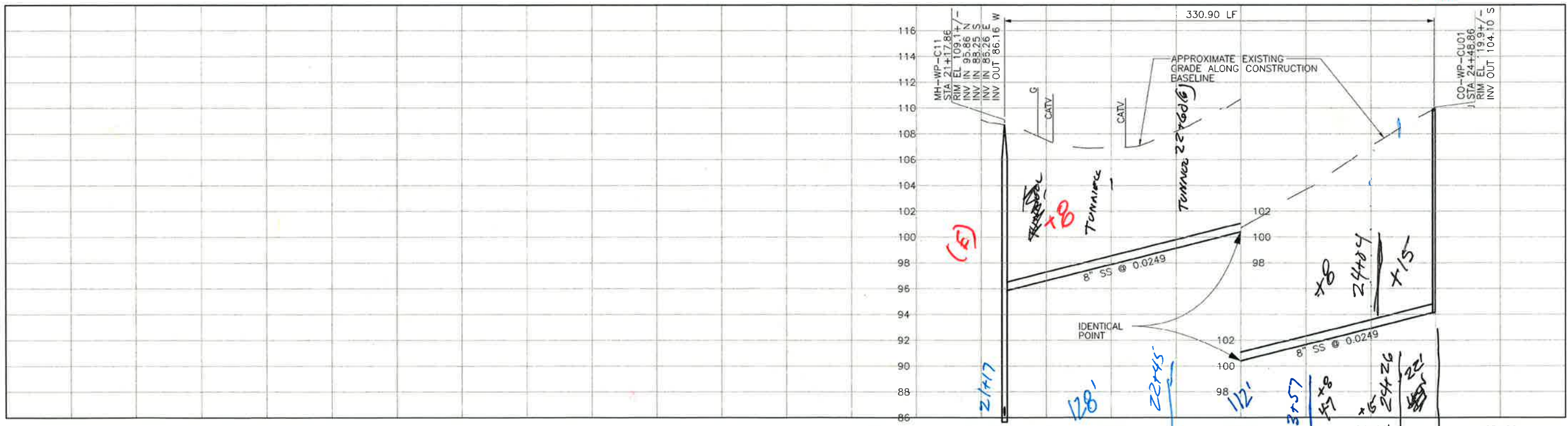
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A B C D E F G H I J K L

SEE SHEET D-PP-118 FOR CONTINUATION



PLAN ON 13TH STREET



PROFILE ON 13TH STREET

CONSTRUCTION BASELINE STATION

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

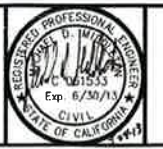
REV NO.	DATE	DRWN	CHKD	REMARKS
5/13/13	LLB	MDM	NOC 48 - LATERAL RELOCATIONS	
4/22/13	LLB	MDM	NOC 42 - LATERAL RELOCATION	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 947-9900



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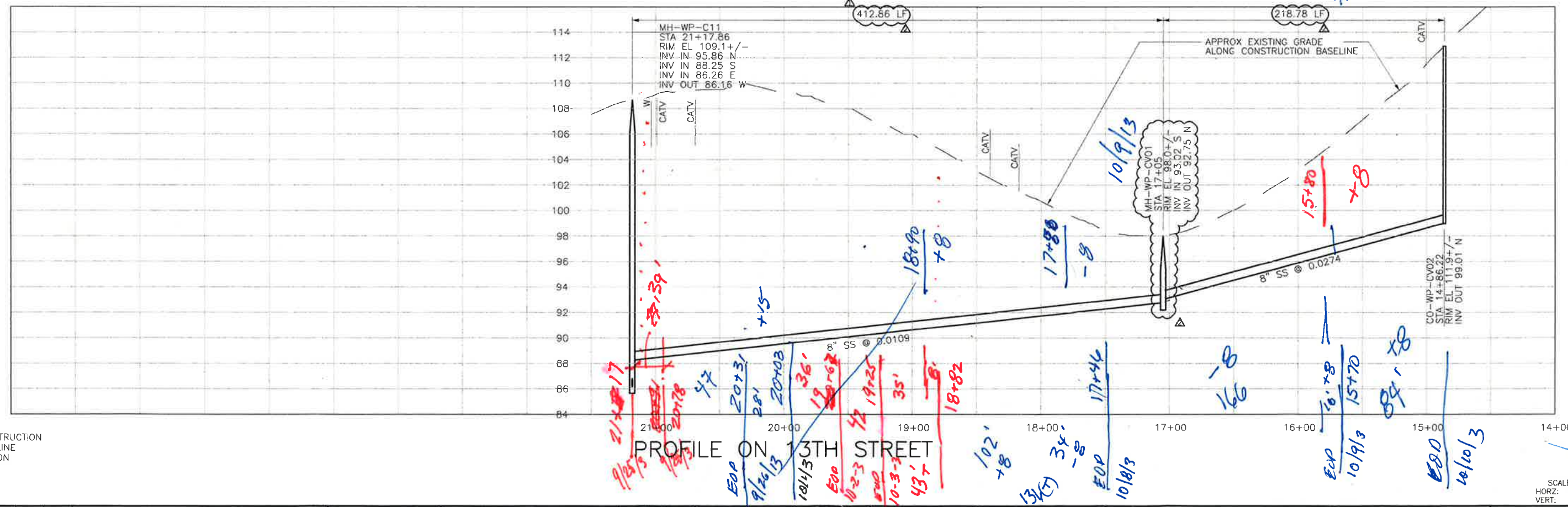
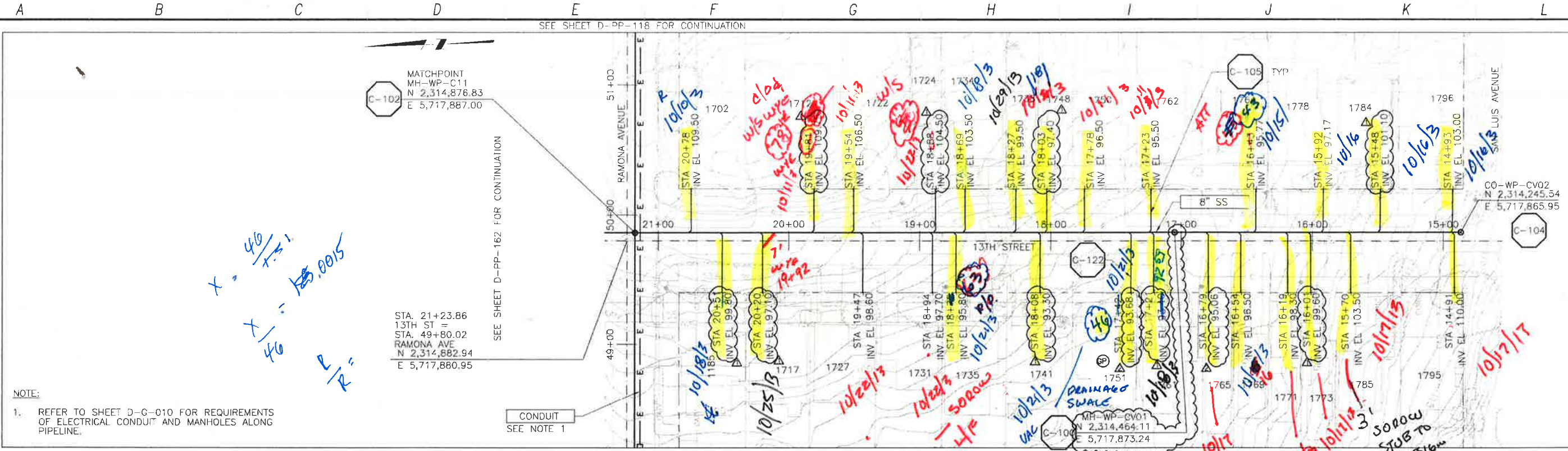


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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 13TH STREET
 STA. 21+17.96 TO 24+48.86

PROJECT NO. 42502-83120
 FILE NAME: D-PP-162
 SHEET NO. D-PP-162.2

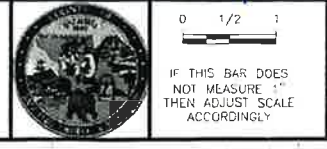
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REV. NO.	DATE	DRWN	CHKD	REMARKS
5/22/13	WKT	MDM	RFI 99 - MANHOLE RELOCATION	
5/13/13	LLB	MDM	NOC 48 - LATERAL RELOCATIONS	

DESIGNED BY: _____ APS
 DRAWN BY: _____ LLB
 CHECKED BY: _____ MDM
 DATE: _____ APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



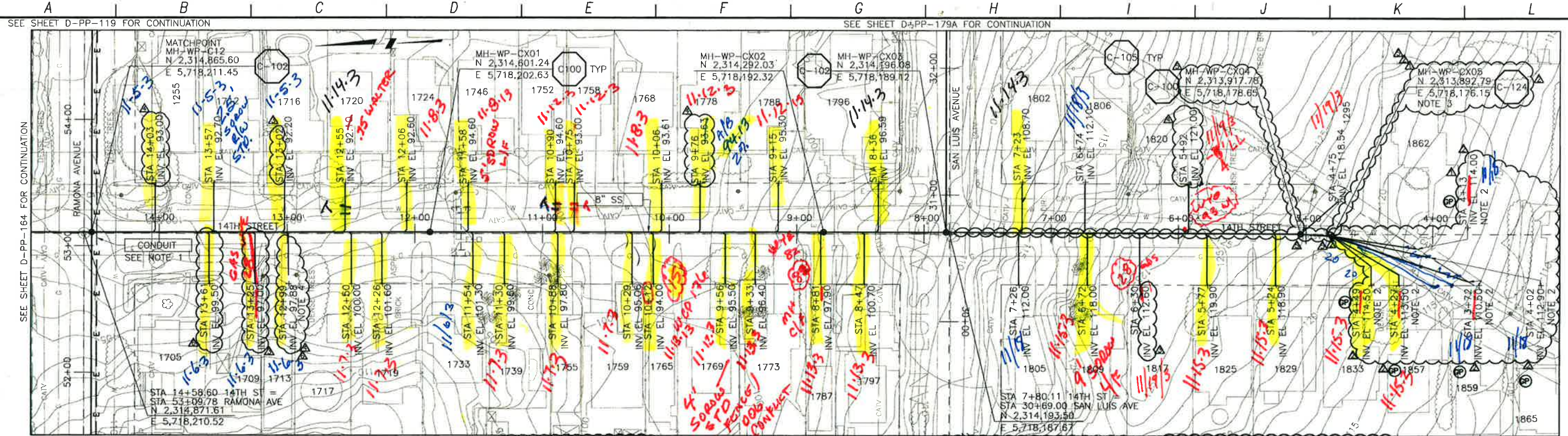
DIGAERT
 DIAL TOLL FREE:
 1-800-642-2444
 AT LEAST 48 HOURS
 BEFORE YOU GO
 UNDERGROUND SERVICE AREA OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 13TH STREET
 STA 21+18.10 TO 14+86.22

PROJECT NO. 42502-63120
 FILE NAME: D-PP-163
 SHEET NO.
D-PP-163.2

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

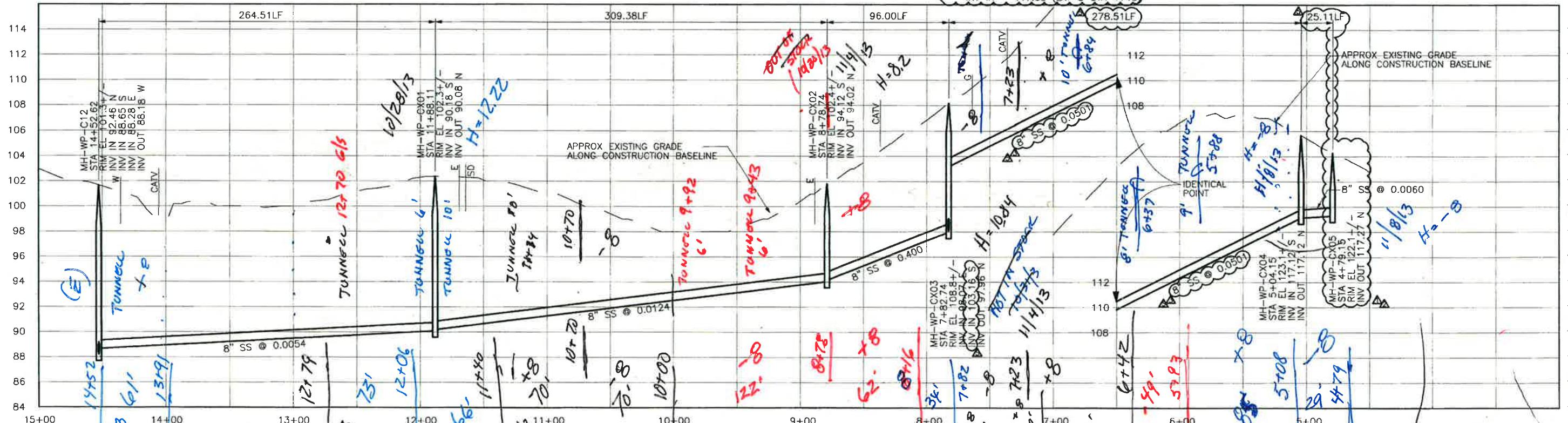
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NOTES:

- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
- INSTALL 1.5" DIAM PVC FM PIPE FROM MH TO PROPERTY LINE. CAP PIPE AND MARK ENDPOINT.
- END LATERAL 7' BEFORE PROPERTY LINE.

PLAN ON 14TH STREET



PROFILE ON 14TH STREET

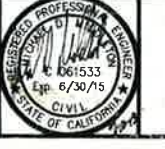
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	9/09/13	LLB	MDM	NOC 80 - LATERAL RELOCATIONS
2	6/17/13	LLB	MDM	RFI 109 - MH RELOCATIONS
3	5/13/13	LLB	MDM	NOC 48 - LATERAL RELOCATIONS
4	4/22/13	LLB	MDM	NOC 46 - LATERAL RELOCATIONS
5	4/03/13	LLB	MDM	NOC 43 - LATERAL RESIZING

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



DIGAURT
 DIAL TOLL FREE 1-800-642-2474
 AT LEAST 30 DAYS BEFORE YOU USE
 UNDERGROUND SERVICE ALERTS OF NEIGHBORHOODS

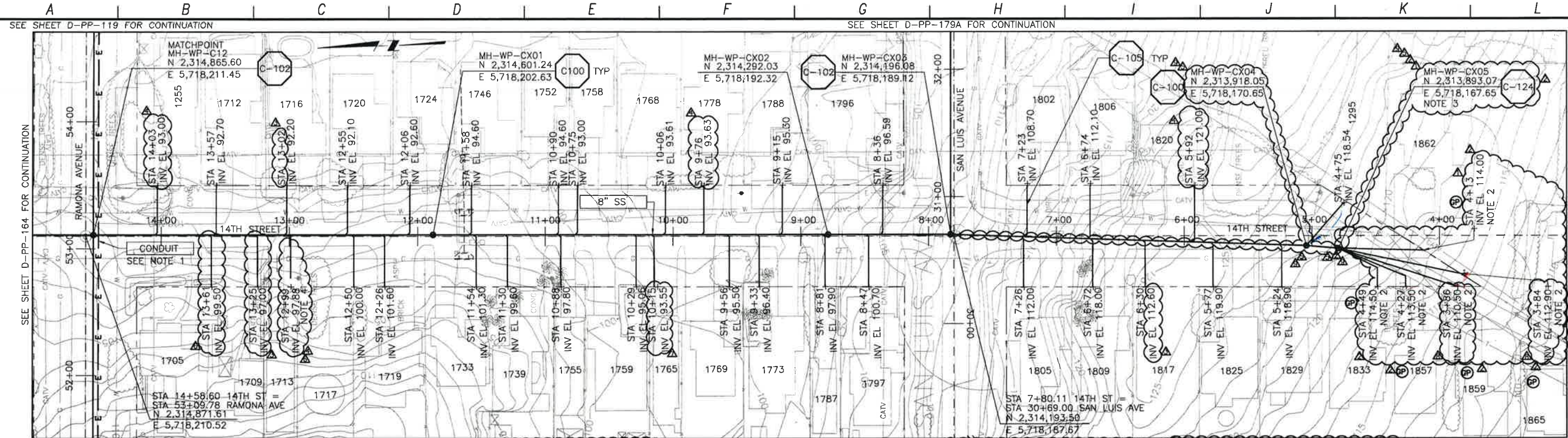
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
14TH STREET
 STA. 14+52.62 TO 5+04.15

PROJECT NO. 42502-83120
 FILE NAME: D-PP-165
 SHEET NO.
D-PP-165.4

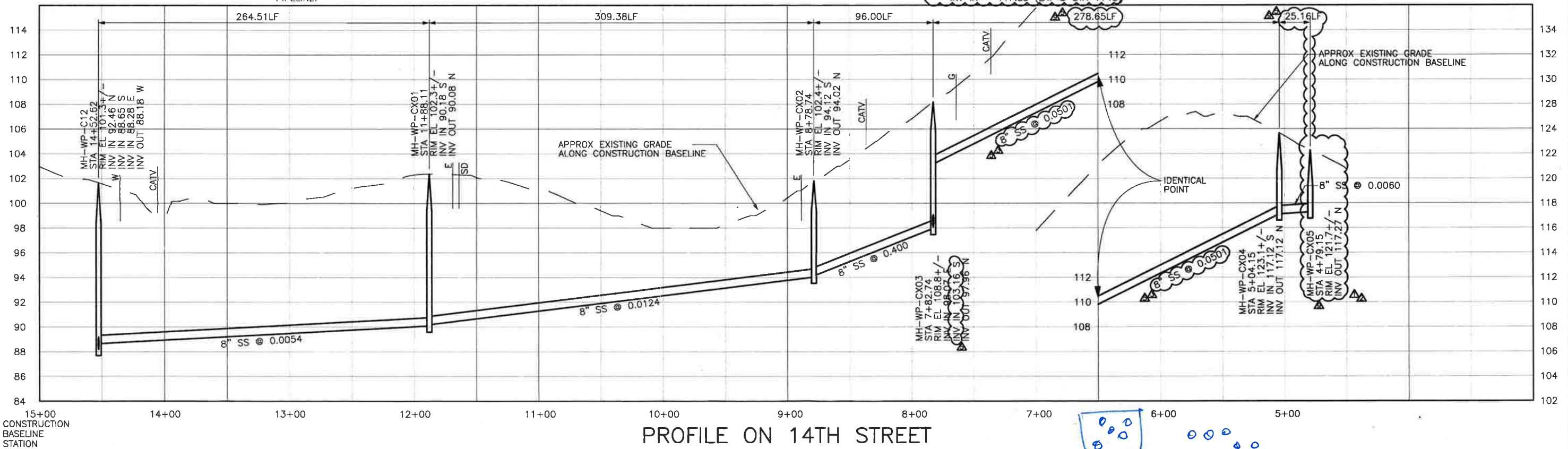
SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

52 110.77

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SEE SHEET D-PP-119 FOR CONTINUATION
 SEE SHEET D-PP-164 FOR CONTINUATION
 SEE SHEET D-PP-118 FOR CONTINUATION
NOTES:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 2. INSTALL 1.5" DIAM PVC FM PIPE FROM MH TO PROPERTY LINE. CAP PIPE AND MARK ENDPOINT.
 3. END LATERAL 7' BEFORE PROPERTY LINE.
PLAN ON 14TH STREET



PROFILE ON 14TH STREET

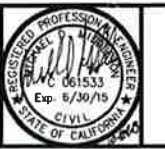
REV. NO.	DATE	DRWN	CHKD	REMARKS
10/23/13	LLB	MDM	NOC 96	- MH RELOCATIONS
10/22/13	LLB	MDM	NOC 94	- LATERAL RELOCATIONS
10/17/13	LLB	MDM	NOC 92	- LATERAL RELOCATION
9/09/13	LLB	MDM	NOC 80	- LATERAL RELOCATIONS
6/17/13	LLB	MDM	RFI 109	- MH RELOCATIONS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
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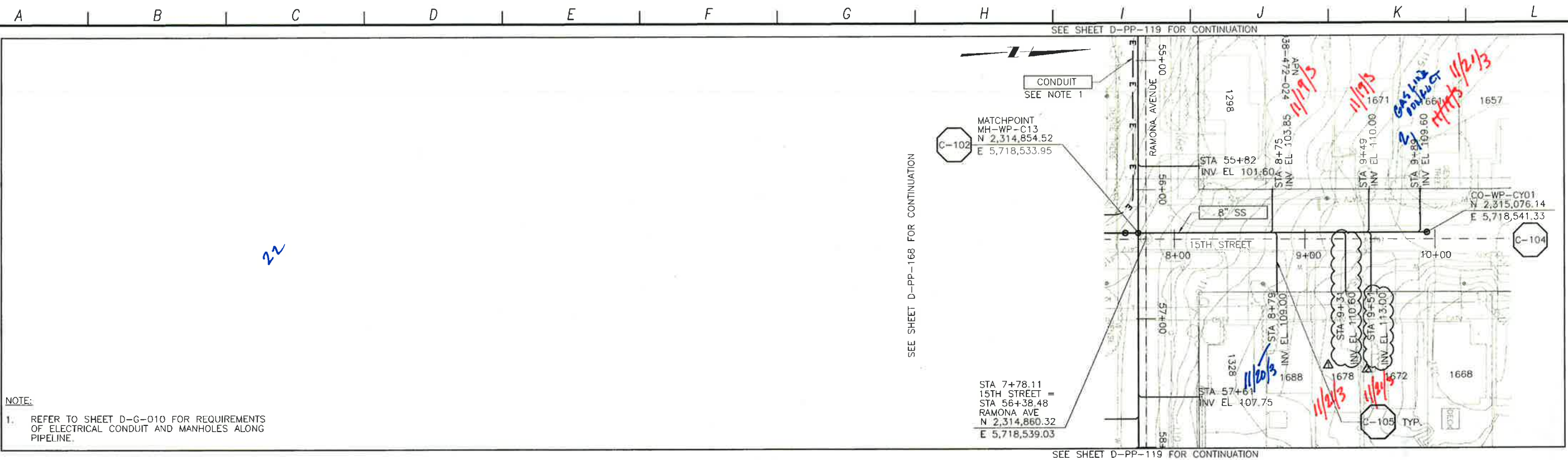


DIGAERT
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 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
14TH STREET
STA. 14+52.62 TO 5+04.15

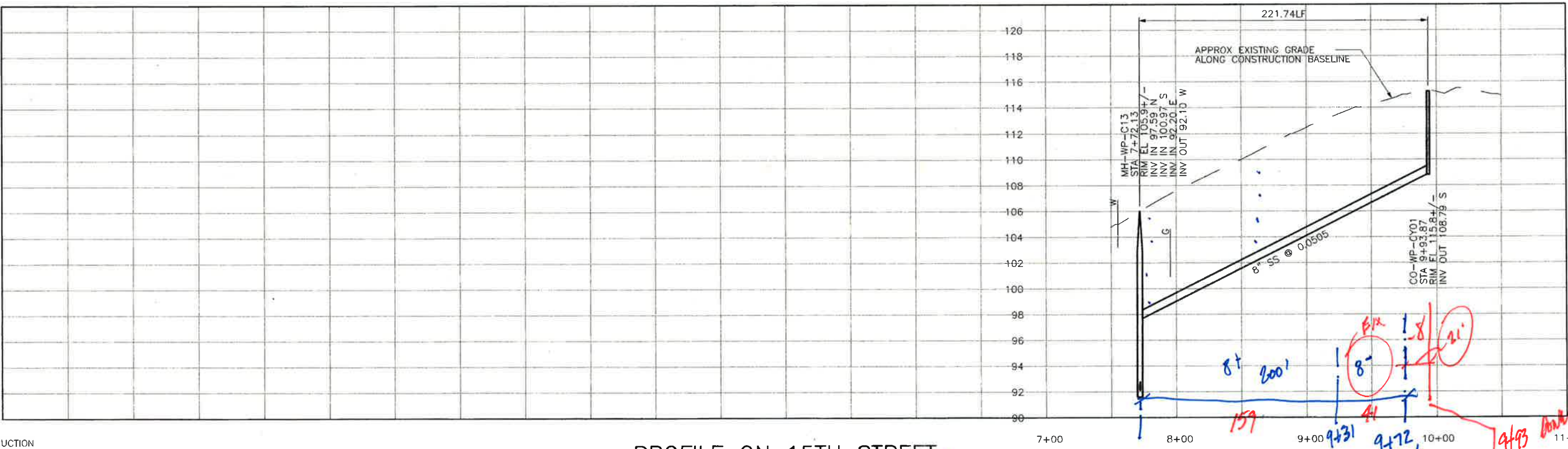
SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-165
 SHEET NO.
D-PP-165.7

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NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON 15TH STREET



PROFILE ON 15TH STREET

CONSTRUCTION
 BASELINE
 STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	11/11/13	LLB	MDM	NOC 107 - LATERAL RELOCATION
2	9/11/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

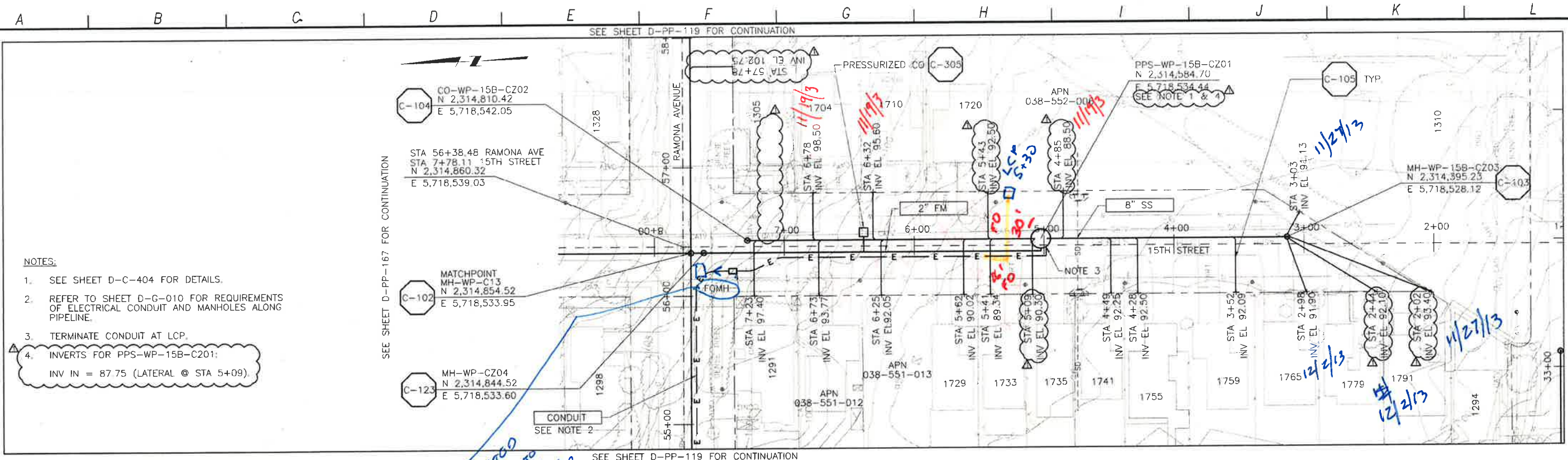


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 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 15TH STREET
 STA. 7+72.13 TO 9+93.87

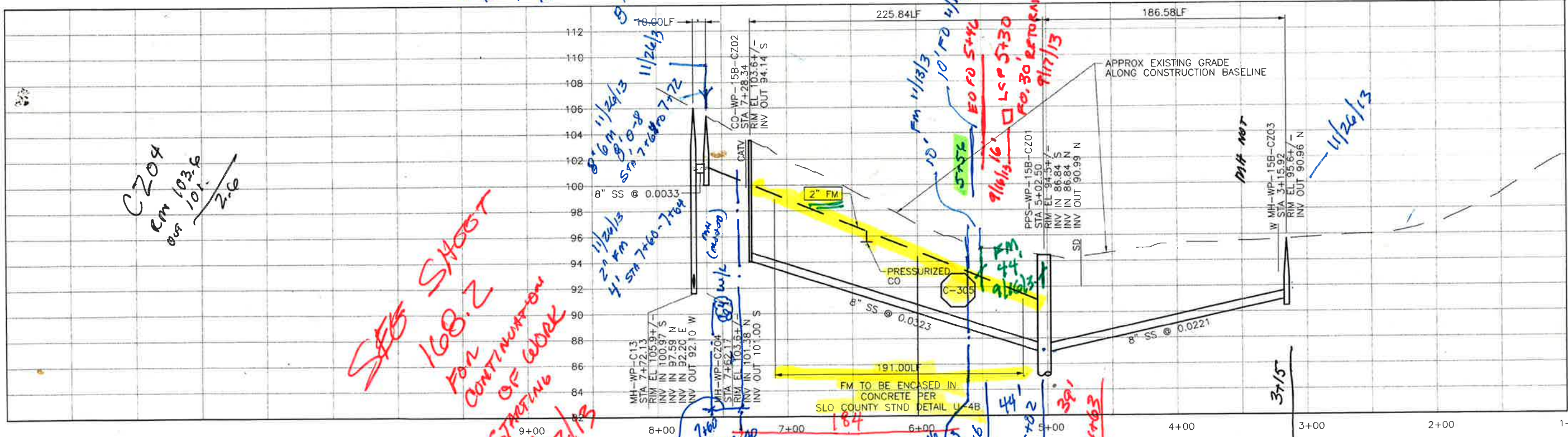
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO 42502-83120
 FILE NAME: D-PP-167
 SHEET NO.
 D-PP-167.1

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- NOTES:**
- SEE SHEET D-C-404 FOR DETAILS.
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - TERMINATE CONDUIT AT LCP.
 - INVERTS FOR PPS-WP-15B-C201:
INV IN = 87.75 (LATERAL @ STA 5+09)

PLAN ON 15TH STREET



PROFILE ON 15TH STREET

CONSTRUCTION BASELINE STATION

SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

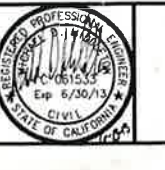
REV NO.	DATE	DRWN	CHKD	REMARKS
6/12/13	LLB	MDM	NOC 58 - LATERAL RELOCATIONS	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



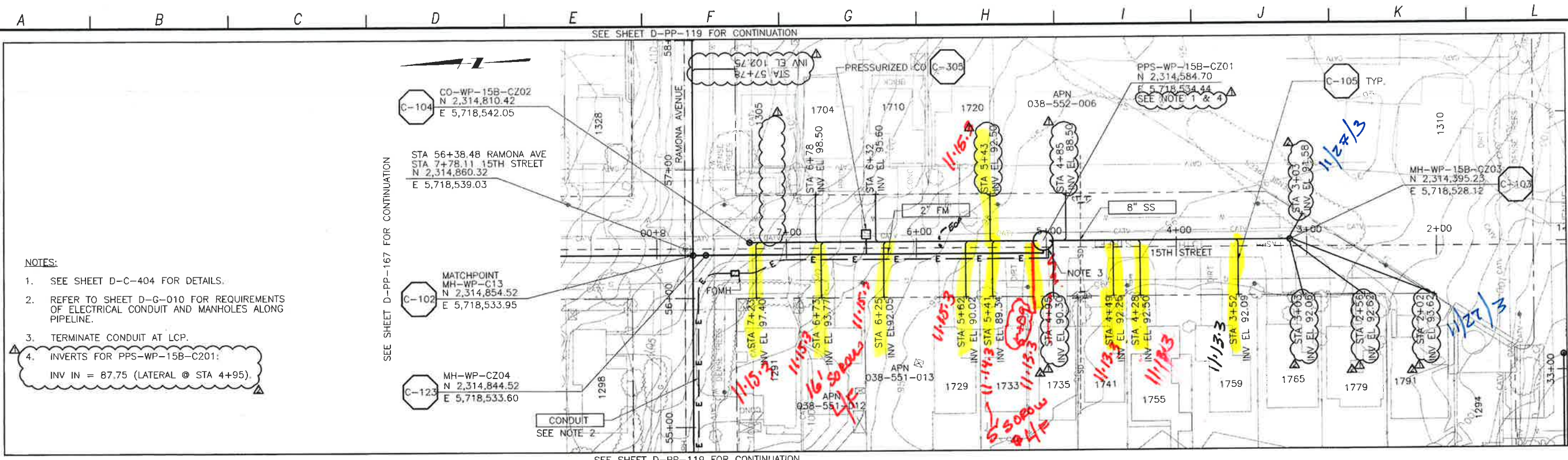
PROFESSIONAL ENGINEER
 No. 061533
 Exp. 6/30/13
 CIVIL
 STATE OF CALIFORNIA

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 UNDERGROUND SERVICE ALERTS IN NORTHERN CALIFORNIA

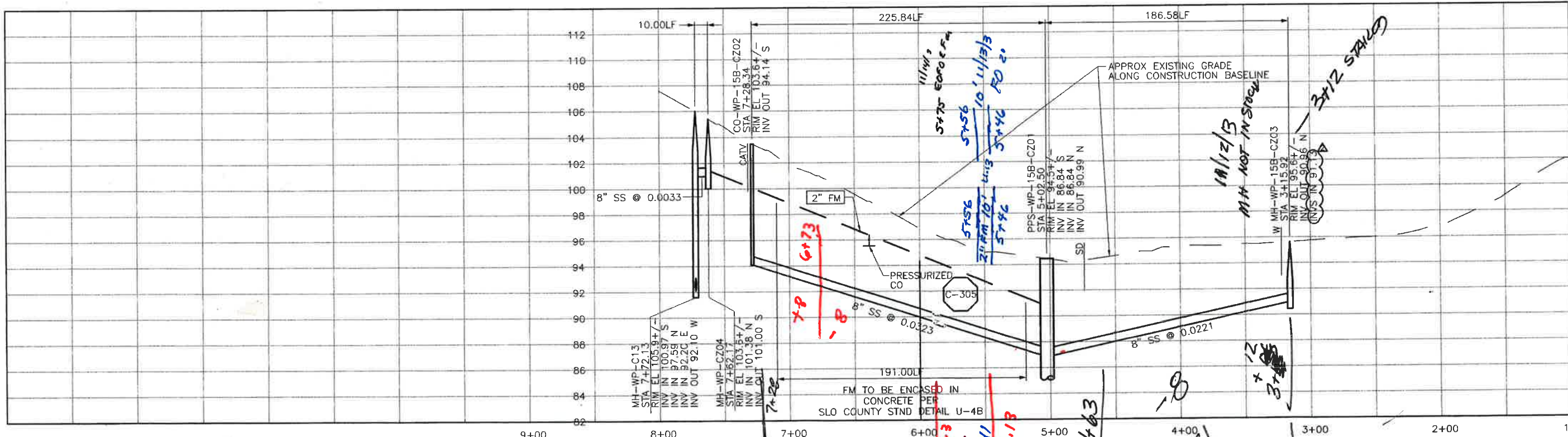
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
15TH STREET
 STA. 7+72.13 TO 3+15.92

PROJECT NO. 42502-B3124
 FILE NAME: D-PP-168
 SHEET NO.
D-PP-168.1

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PLAN ON 15TH STREET



PROFILE ON 15TH STREET

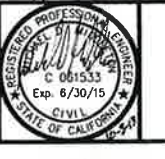
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/03/13	LLB	MDM	NOC 88 - LATERAL RELOCATIONS
2	6/12/13	LLB	MDM	NOC 58 - LATERAL RELOCATIONS

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



0 1/2 1
 EXP 6/30/15

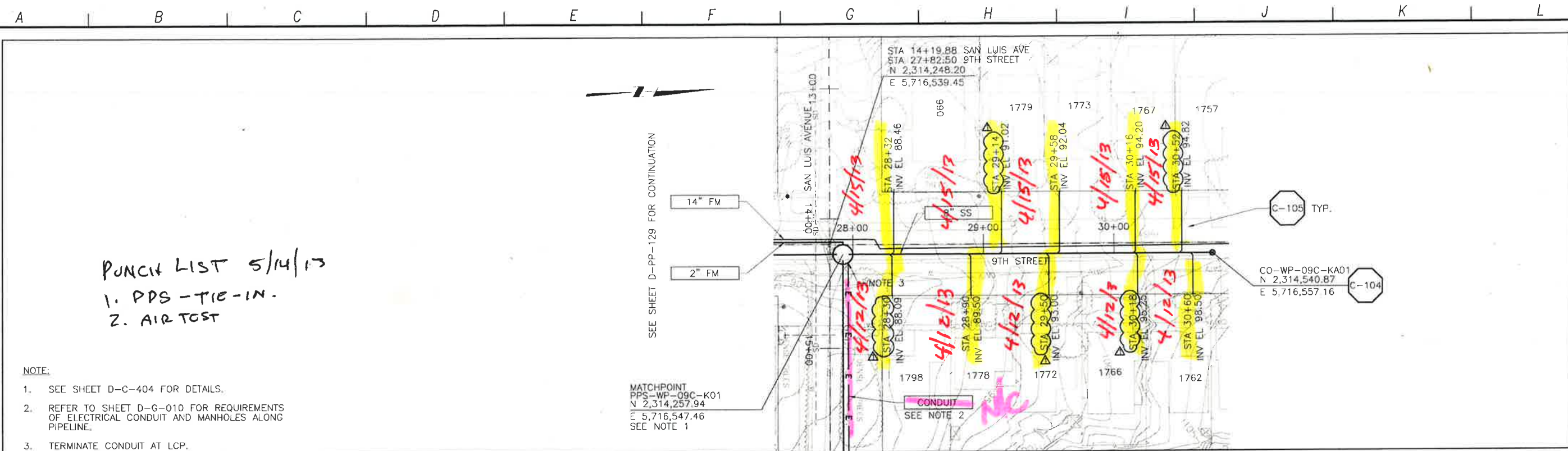
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
15TH STREET
 STA. 7+72.13 TO 3+15.92

PROJECT NO. 42502-83120
 FILE NAME: D-PP-168
 SHEET NO.
D-PP-168.2

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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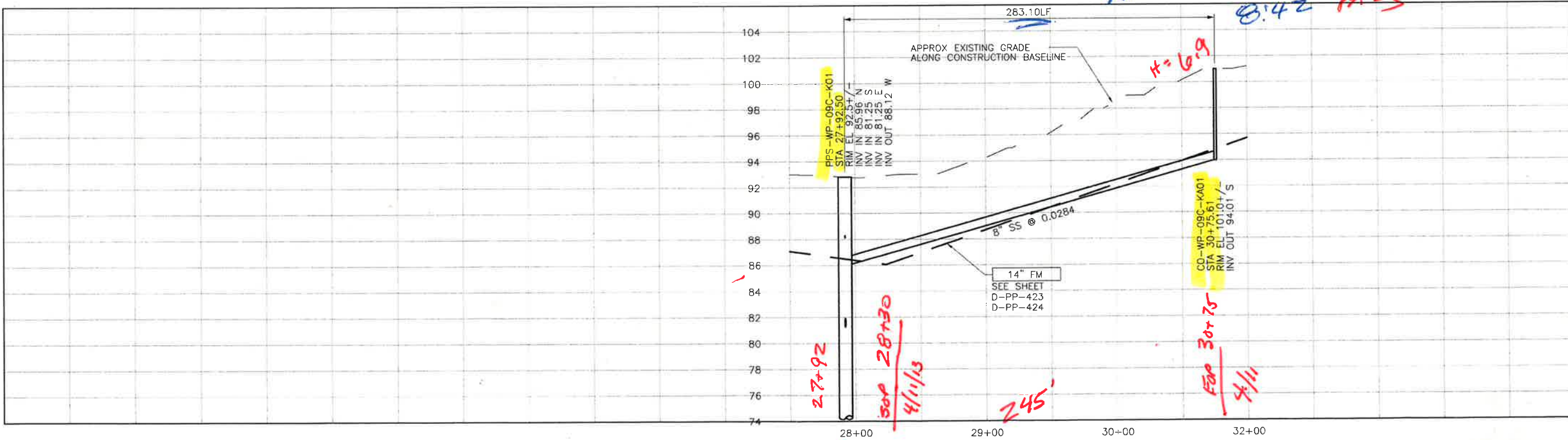


PUNCH LIST 5/14/13
 1. PPS-TIE-IN.
 2. AIR TEST

- NOTE:
- SEE SHEET D-C-404 FOR DETAILS.
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - TERMINATE CONDUIT AT LCP.

PLAN ON 9TH STREET

AIR TEST 5/29/13
 8.42 PASS



PROFILE ON 9TH STREET

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
2/06/13	LLB	MDM	NOC 35 - LATERAL RELOCATIONS	

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
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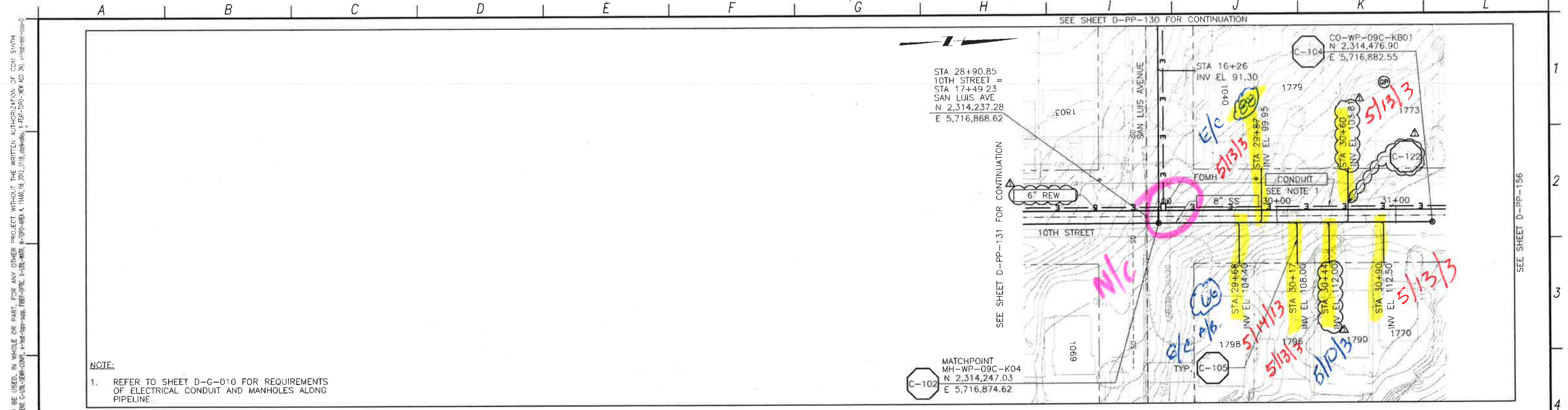
IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



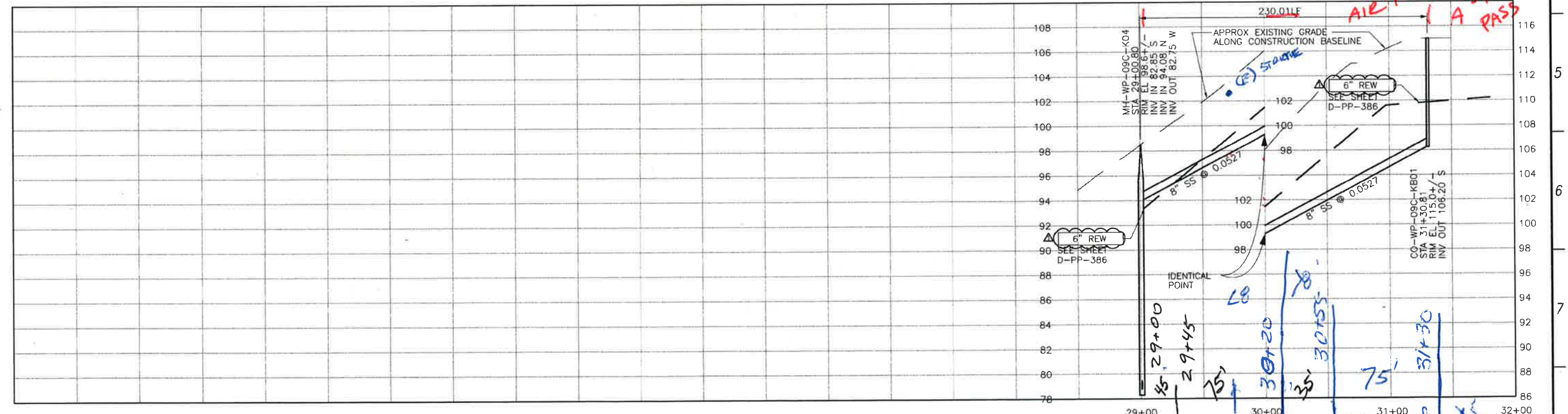
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 9TH STREET
 STA. 27+92.50 TO 30+75.61

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-B3120
 FILE NAME: D-PP-171
 SHEET NO.
 D-PP-171.1



PLAN ON 10TH STREET



PROFILE ON 10TH STREET

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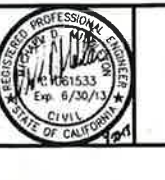
REV. NO.	DATE	DRWN	CHKD	REMARKS
4/22/13	LLB	MDM		NOC 42 - LATERAL RELOCATION

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
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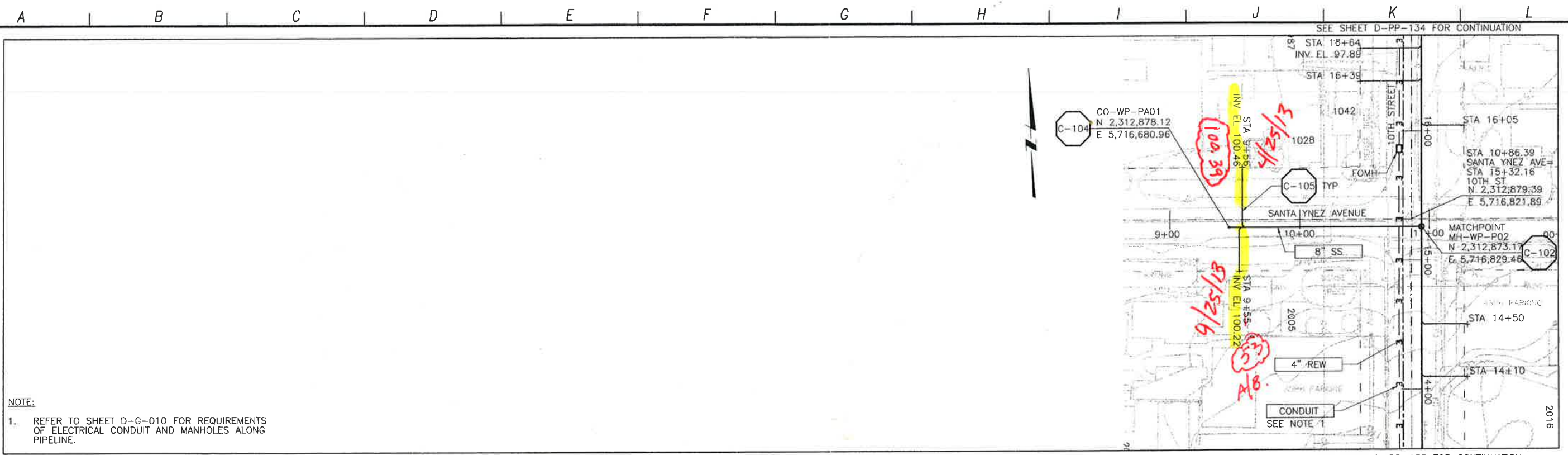
DIGAERT
 DIAL TOLL FREE
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 AT LEAST TWO DAYS BEFORE YOU GO!
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
10TH STREET
 STA. 29+00.80 TO 31+30.81

PROJECT NO. 42502-83120
 FILE NAME: D-PP-172
 SHEET NO. D-PP-172.1

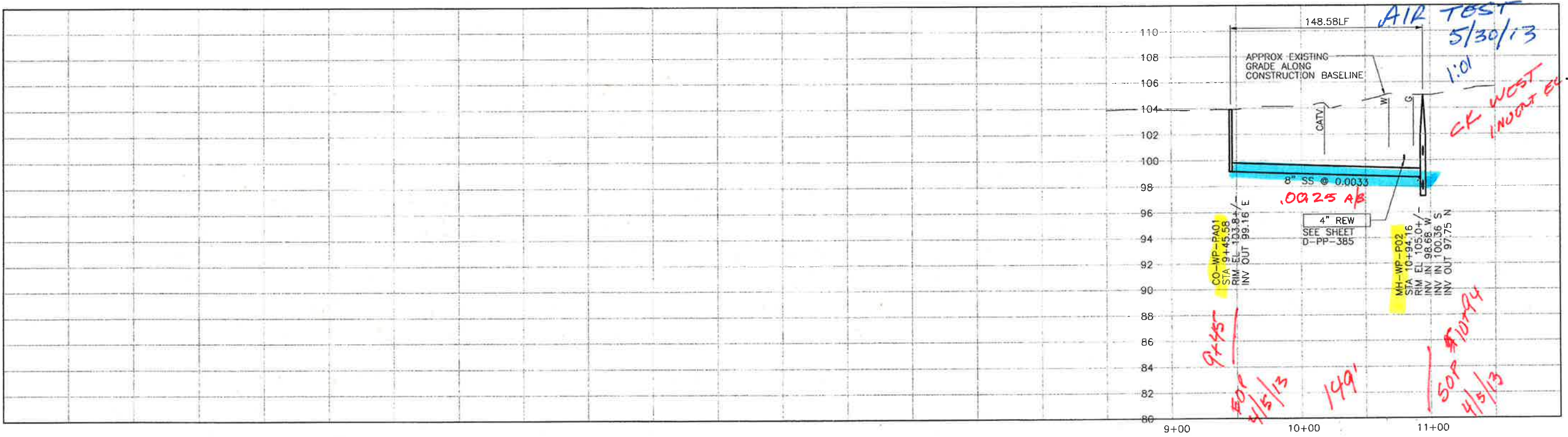
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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NOTE:
 1. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

PLAN ON SANTA YNEZ AVENUE



PROFILE ON SANTA YNEZ AVENUE

CONSTRUCTION
 BASELINE
 STATION

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

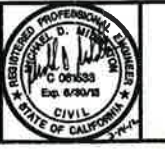
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ SDN
 DRAWN BY: _____ LLB
 CHECKED BY: _____ MDM
 DATE: _____ MARCH, 2012

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 2205 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

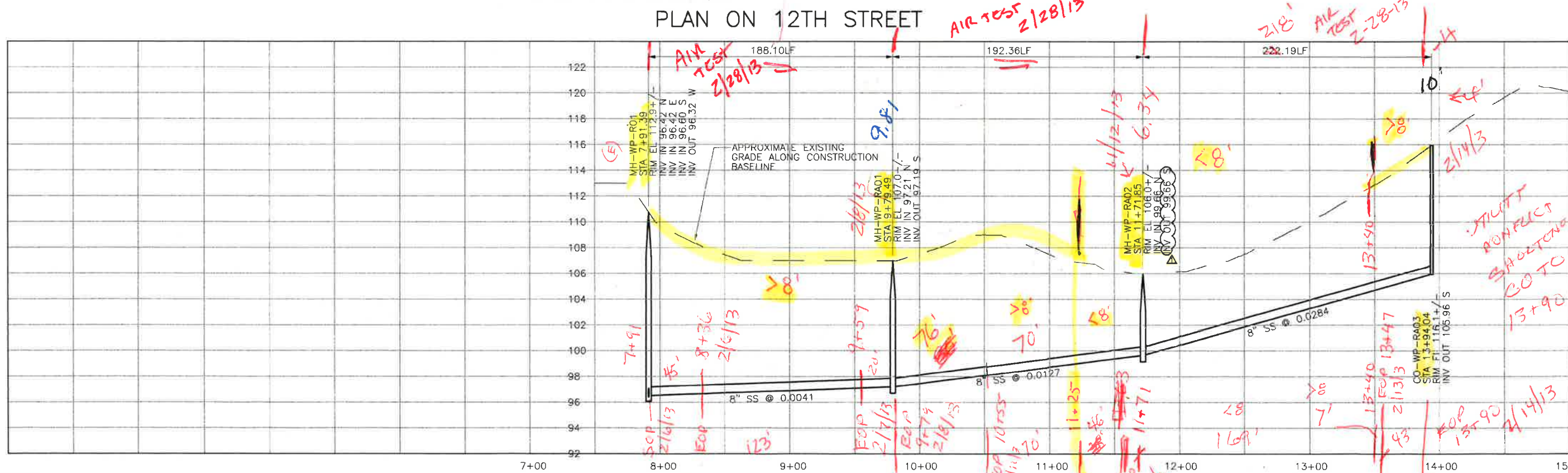
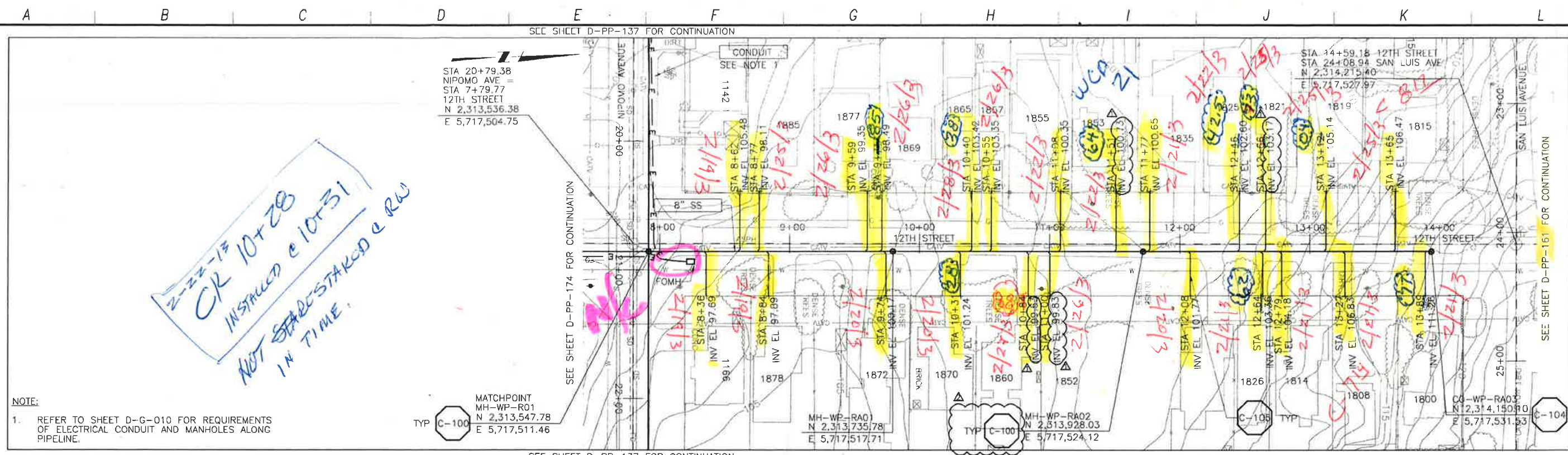


DIGALERT
 DIAL TOLL FREE:
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 SANTA YNEZ AVE
 STA. 9+45.58 TO 10+94.16

PROJECT NO 42502-83120
 FILE NAME: D-PP-172A
 SHEET NO.
D-PP-172A

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CONSTRUCTION
BASELINE
STATION

PROFILE ON 12TH STREET

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	11/1/12	LLB	MDW	MANHOLE CALLOUTS
2	10/15/12	LLB	MDW	MANHOLE & LATERAL INVERT ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



DIGALERT
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 AT LEAST 200 DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTH-CALIFORNIA

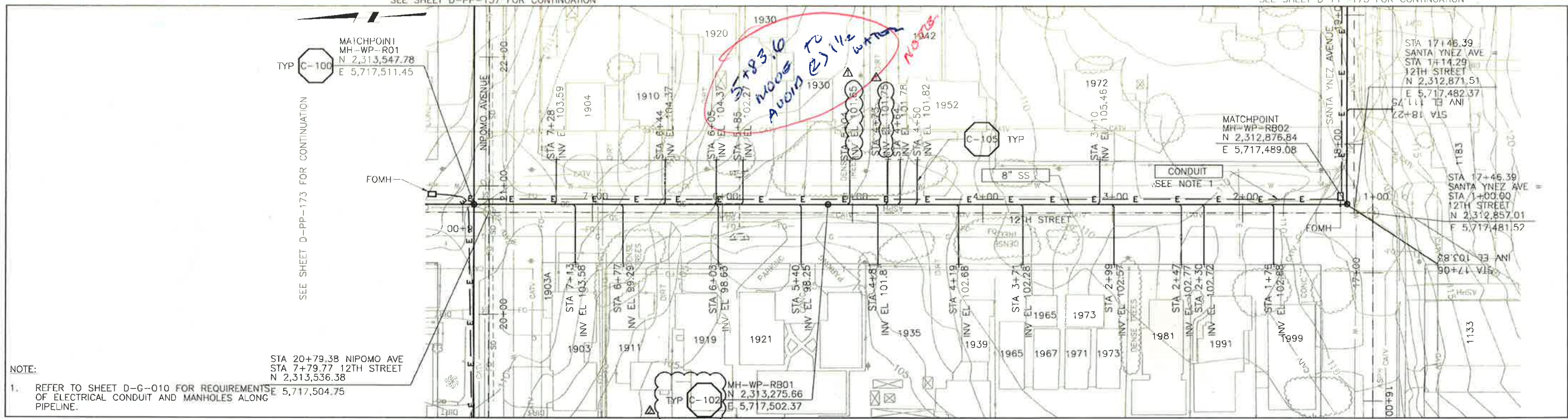
LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 12TH STREET
 STA. 7+91.39 TO 13+94.04

PROJECT NO. 42502-83120
 FILE NAME: D-PP-173
 SHEET NO. **D-PP-173**

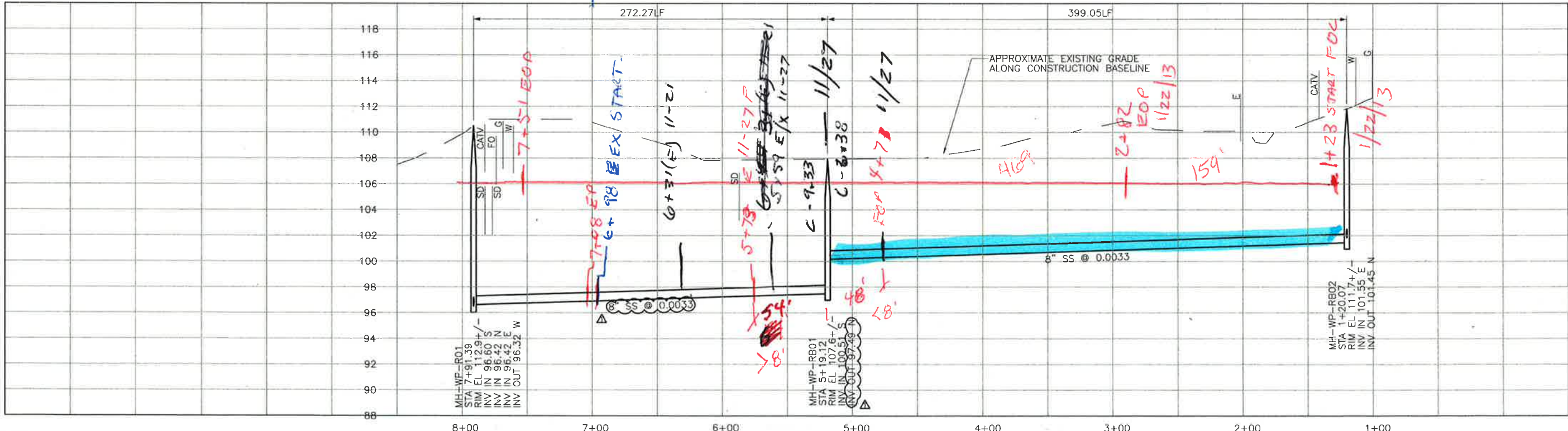
SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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A B C D E F G H I J K L



PLAN ON 12TH STREET



PROFILE ON 12TH STREET

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
11/11/12	LLB	MLM		MANHOLE CALLOUTS
10/15/12	LLB	MDM		MANHOLE & LATERAL INVERT ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

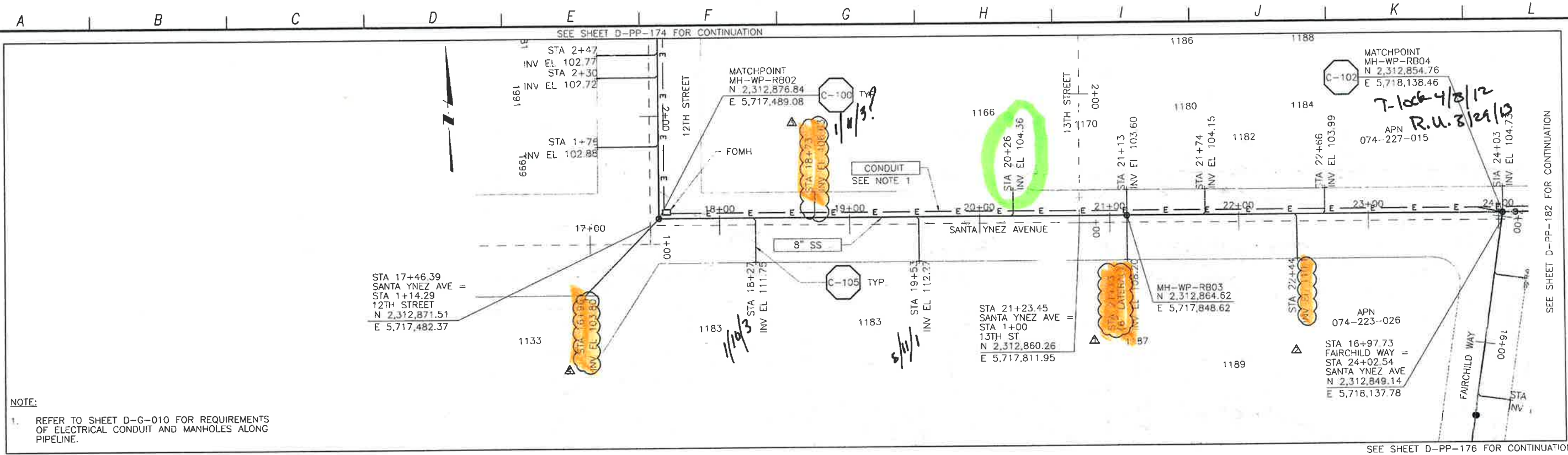


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 12TH STREET
 STA. 7+91.39 TO 1+20.07

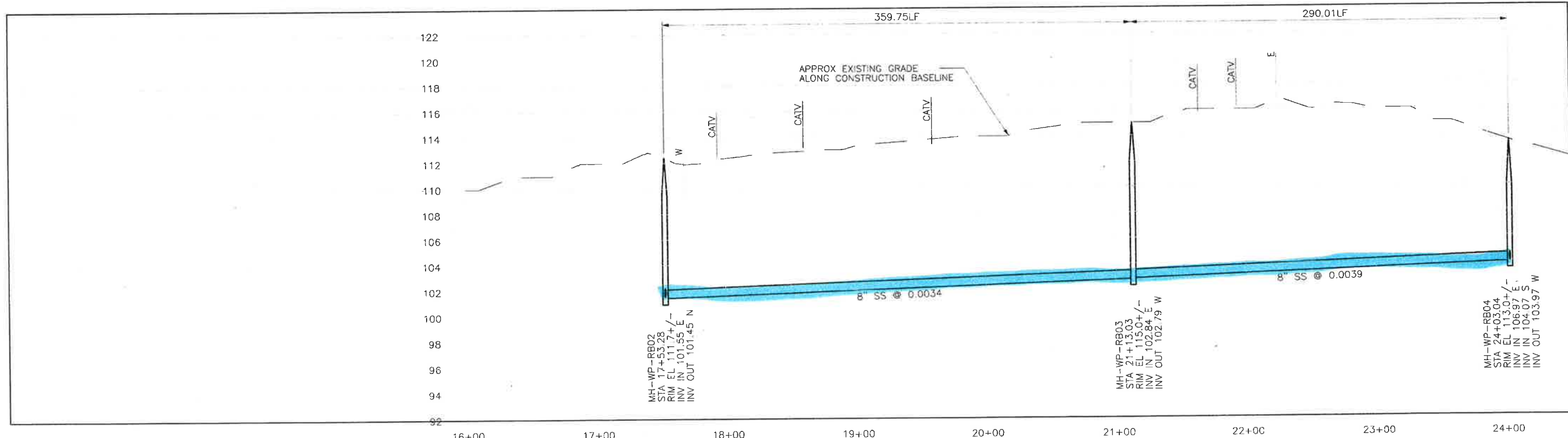
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-174
 SHEET NO. D-PP-174

Handwritten note: 2+02 EOP 1/22/13

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PLAN ON SANTA YNEZ AVENUE

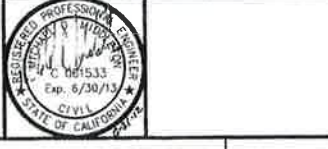


PROFILE ON SANTA YNEZ AVENUE

DATE	DRWN	CHKD	REMARKS
12/20/12	LLB	MDM	RNOC 25 - LATERAL RELOCATION
12/17/12	LLB	MDM	DCM 25 - LATERAL ADDITION
11/09/12	LLB	MDM	LATERAL INVERT ADJUSTMENT
10/01/12	LLB	MDM	LATERAL SIZE CHANGE

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

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 Sacramento, CA 95833
 Tel: (916) 567-9900

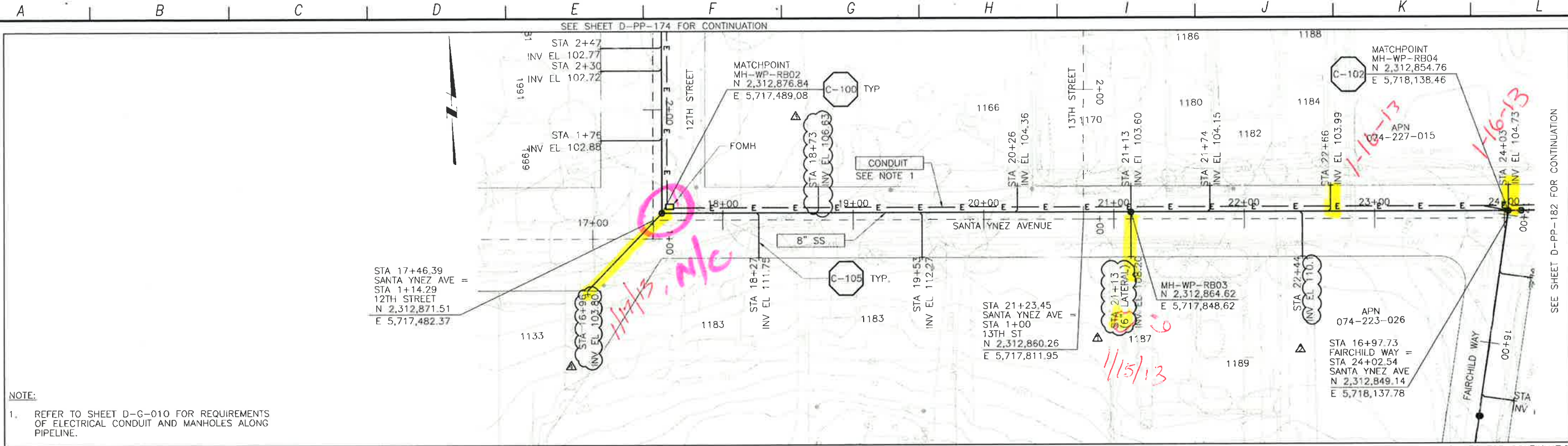


LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
SANTA YNEZ AVE
STA. 17+53.28 TO 24+03.04

PROJECT NO 42502-83120
 FILE NAME: D-PP-175
 SHEET NO
D-PP-175.2

SCALE
 HORIZ: 1"=40'
 VERT: 1"=4'

12/20/12 CDM SMITH A. RICH'S RESERVE. THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED IN WHOLE OR PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



PLAN ON SANTA YNEZ AVENUE



PROFILE ON SANTA YNEZ AVENUE

CONSTRUCTION
BASELINE
STATION

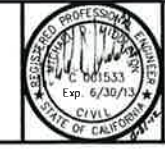
REV NO.	DATE	DRWN	CHKD	REMARKS
1	12/20/12	LLB	MDM	RNOC 25 - LATERAL RELOCATION
2	12/17/12	LLB	MDM	DCM 25 - LATERAL ADDITION
3	11/09/12	LLB	MDM	LATERAL INVERT ADJUSTMENT
4	10/01/12	LLB	MDM	LATERAL SIZE CHANGE

DESIGNED BY: SDN
DRAWN BY: LLB
CHECKED BY: MDM
DATE: APRIL 2012

CDM Smith
2295 Gateway Oaks Drive, Suite 240
Sacramento, CA 95833
Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



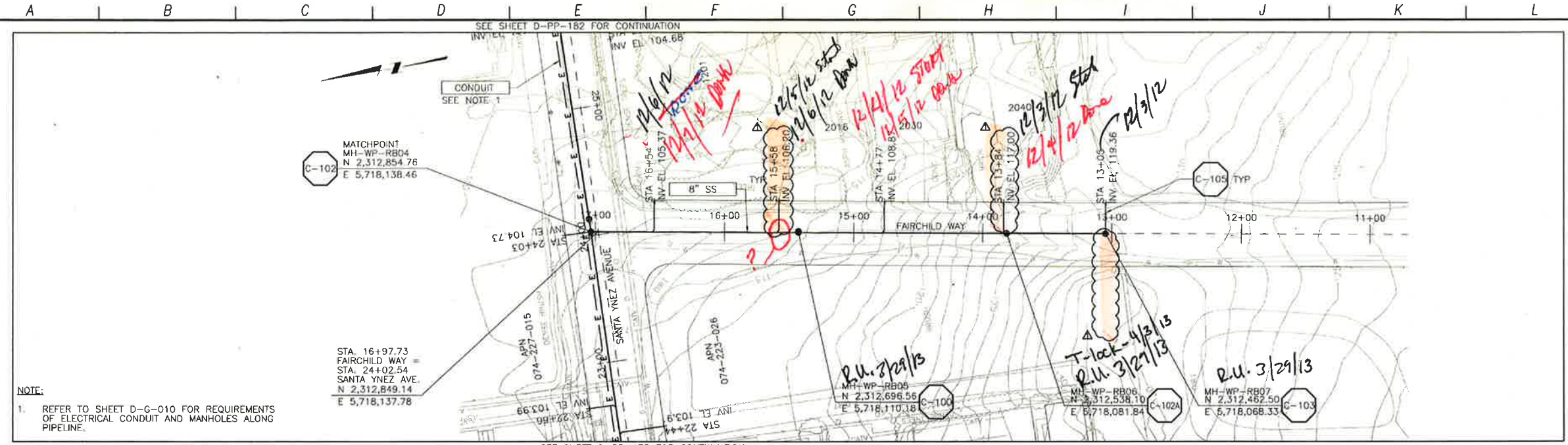
DIGALERT
CALL BEFORE YOU DIG
1-800-645-2424
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE NETWORK OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
SANTA YNEZ AVE
STA. 17+53.28 TO 24+03.04

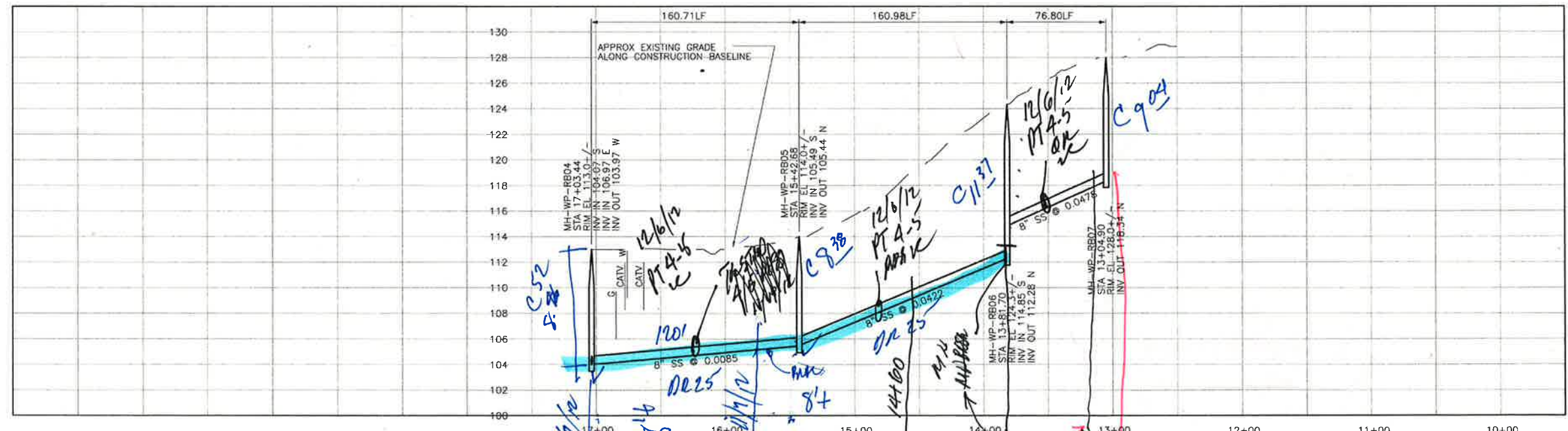
PROJECT NO. 42502-B3120
FILE NAME: D-PP-175
SHEET NO.
D-PP-175.2

SCALE:
HORZ: 1"=40'
VERT: 1"=4'

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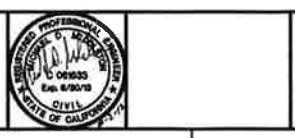
PLAN ON FAIRCHILD WAY



REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/01/12	LLB	MDM	LATERAL RELOCATION

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

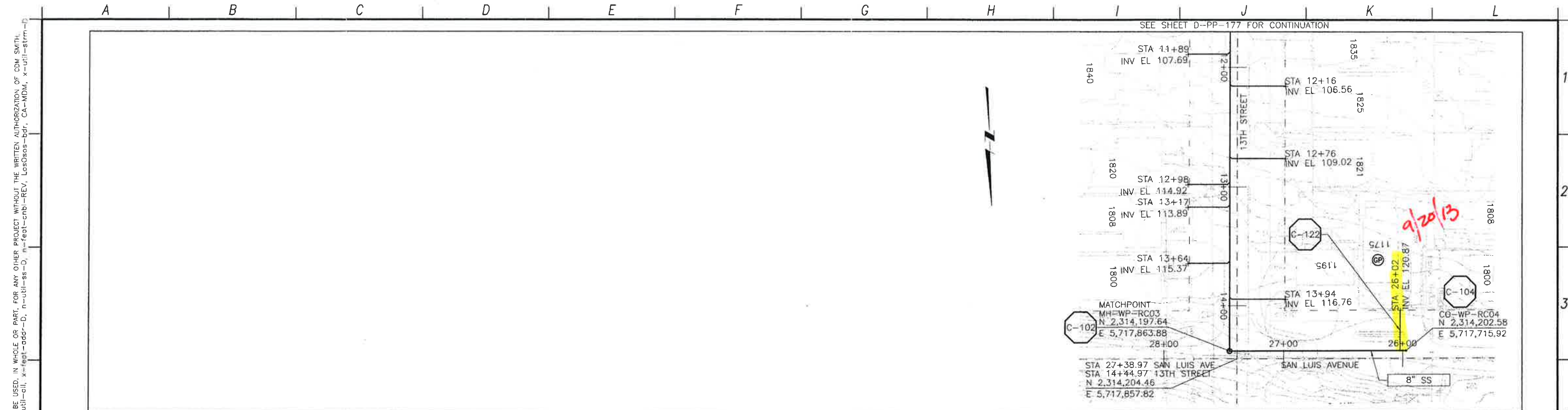
CDM Smith
 2205 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 667-9000



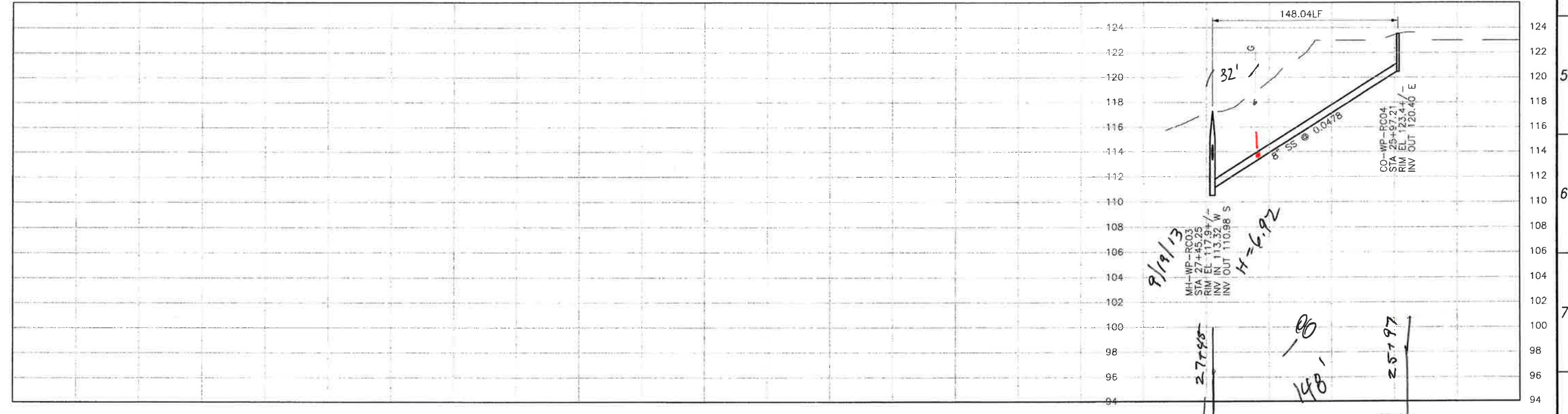
LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 FAIRCHILD WAY
 STA. 17+03.44 TO 13+04.90

PROJECT NO. 42502-83120
 FILE NAME: D-PP-176
 SHEET NO.
 D-PP-176

Segment 3



PLAN ON SAN LUIS AVENUE



PROFILE ON SAN LUIS AVENUE

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CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

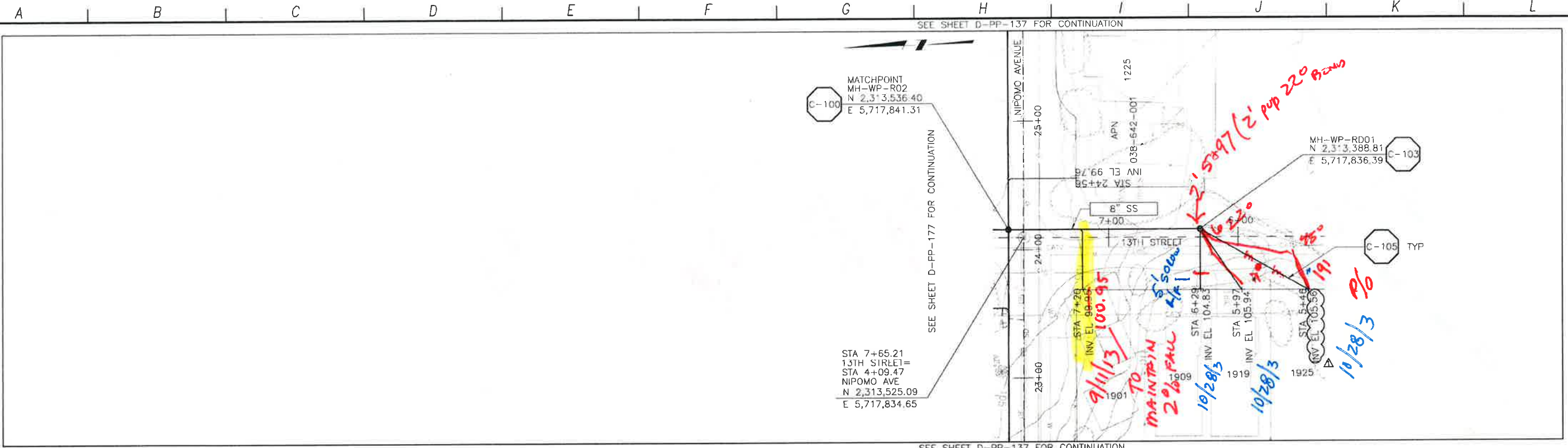


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 SAN LUIS AVE
 STA. 27+45.25 TO 25+97.21

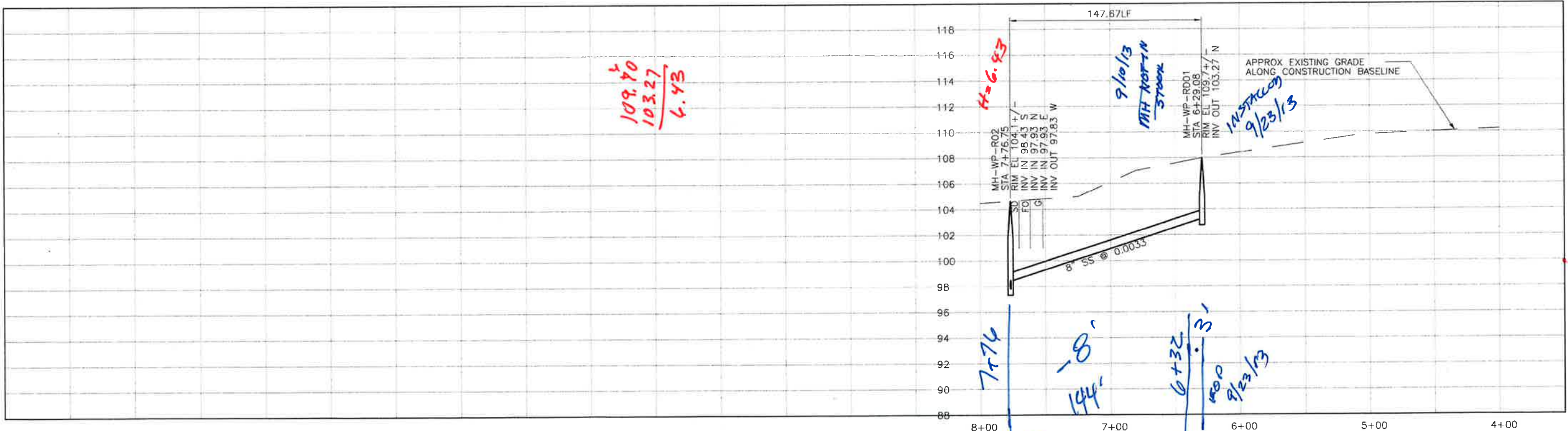
PROJECT NO. 42502-83120
 FILE NAME: D-PP-177A
 SHEET NO. D-PP-177A

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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PLAN ON 13TH STREET



PROFILE ON 13TH STREET

CONSTRUCTION
BASELINE
STATION

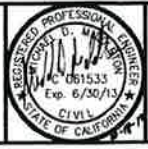
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	10/15/12	LLB	MDM	LATERAL INVERT ADJUSTMENT

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



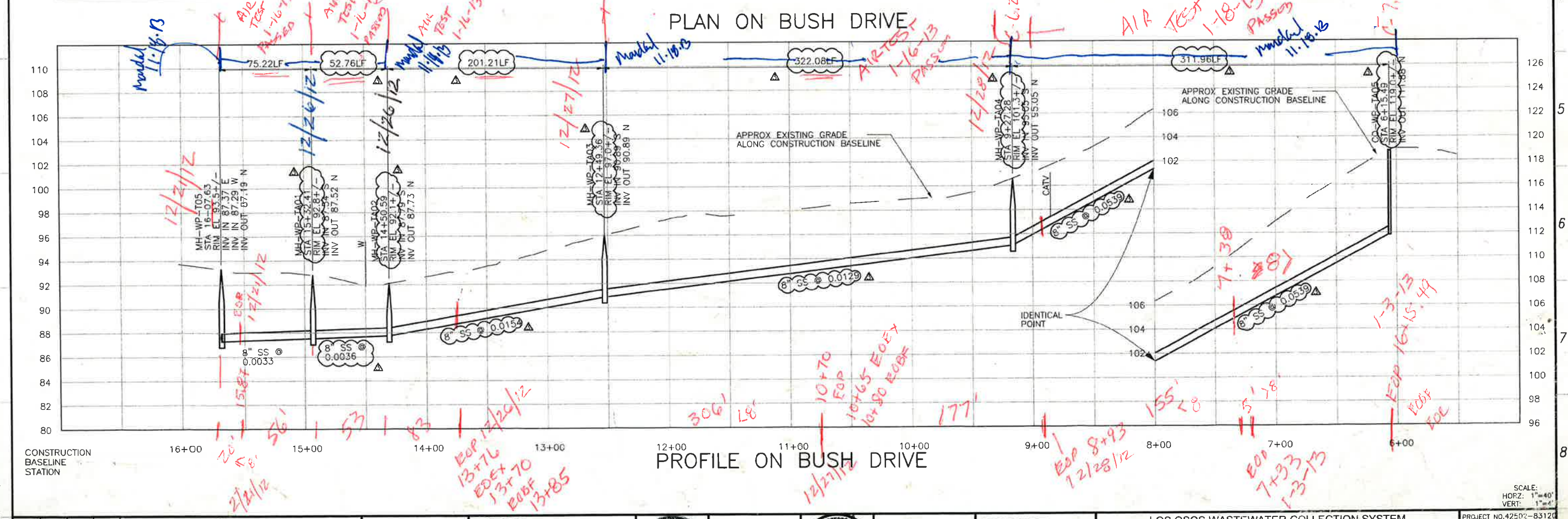
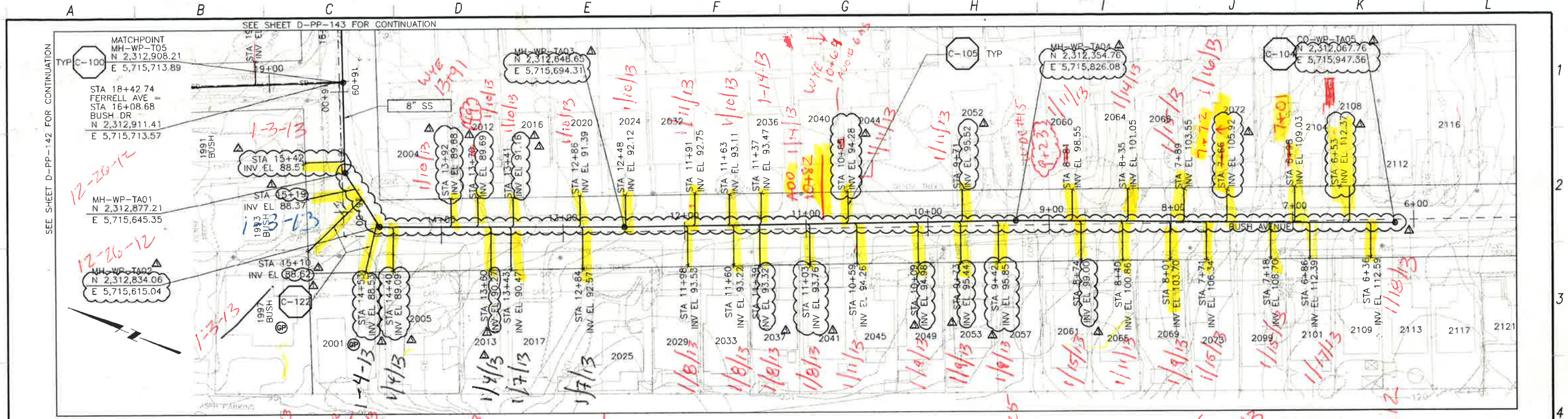
DIGALERT
 DIAL TOLL FREE 1-800-542-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 13TH STREET
 STA. 7+76.75 TO 6+29.08

PROJECT NO. 42502-8312C
 FILE NAME: D-PP-178
 SHEET NO.
D-PP-178

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

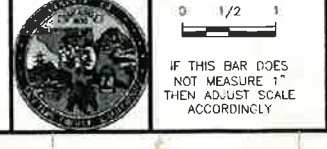
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REV. NO.	DATE	DRWN	CHKD	REMARKS
1	11/1/12	LLB	MDM	LATERAL AND MANHOLE RELOCATIONS
2	10/22/12	LLB	MDM	LATERAL RELOCATION
3	9/14/12	LLB	MDM	LATERAL INVERT ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9600

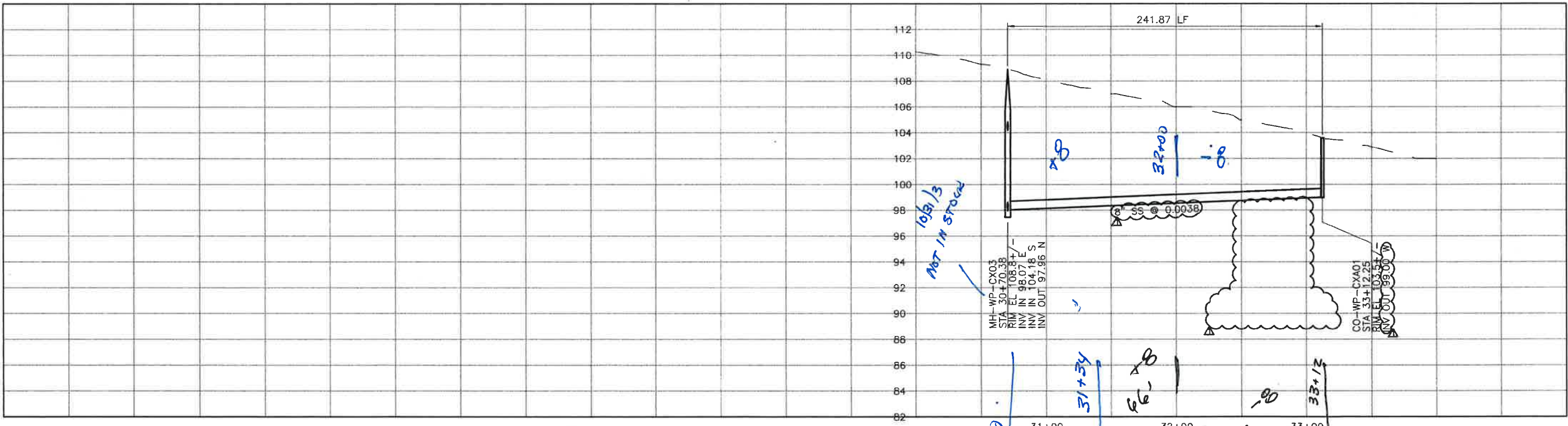
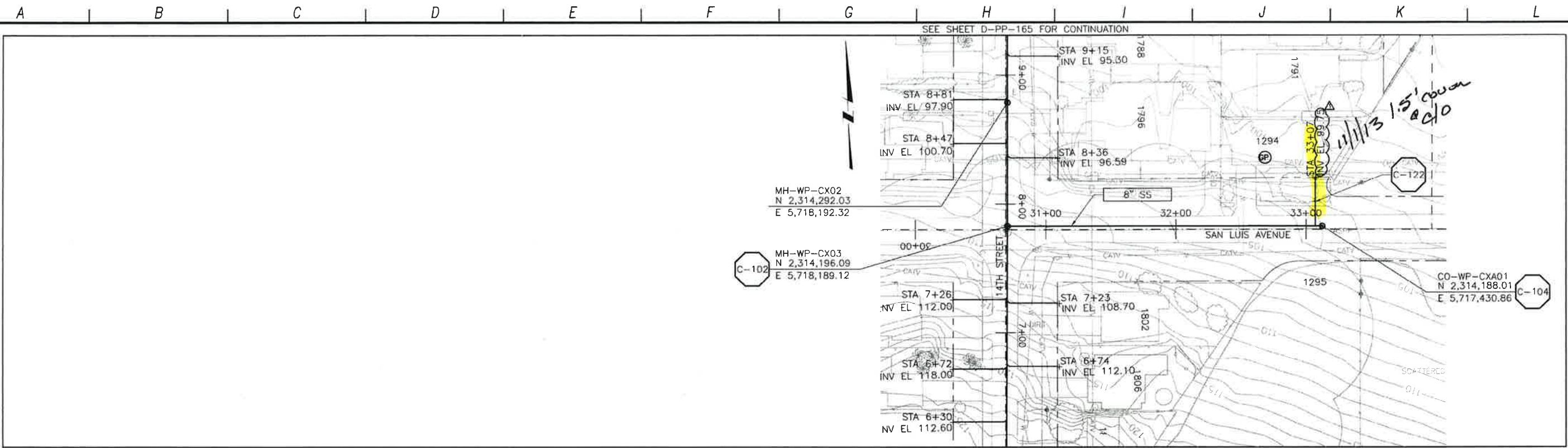


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 AT LEAST TWO DAYS BEFORE YOU GO
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
BUSH DRIVE
 STA. 16+07.63 TO 6+21.55
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-179
 SHEET NO. D-PP-179

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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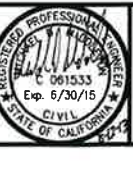
REV. NO.	DATE	DRWN	CHKD	REMARKS
8/12/13	LLB	MDM	RF1 137	PIPE PROFILE ADJUSTMENT

DESIGNED BY: APS
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



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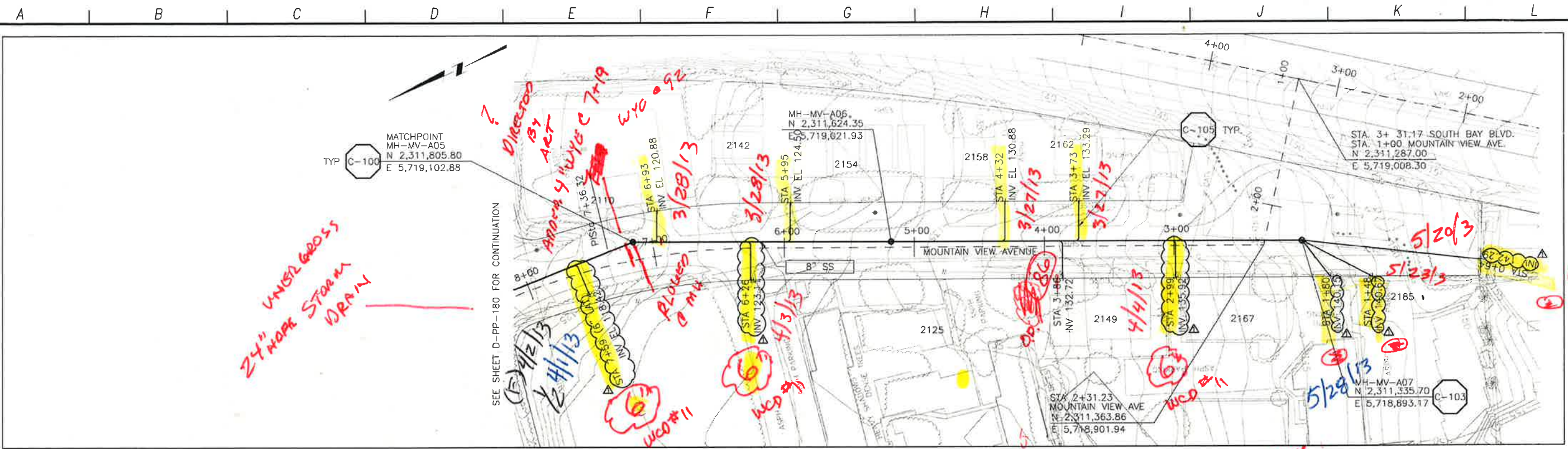
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
SAN LUIS AVENUE
 STA. 30+70.38 TO 33+12.25

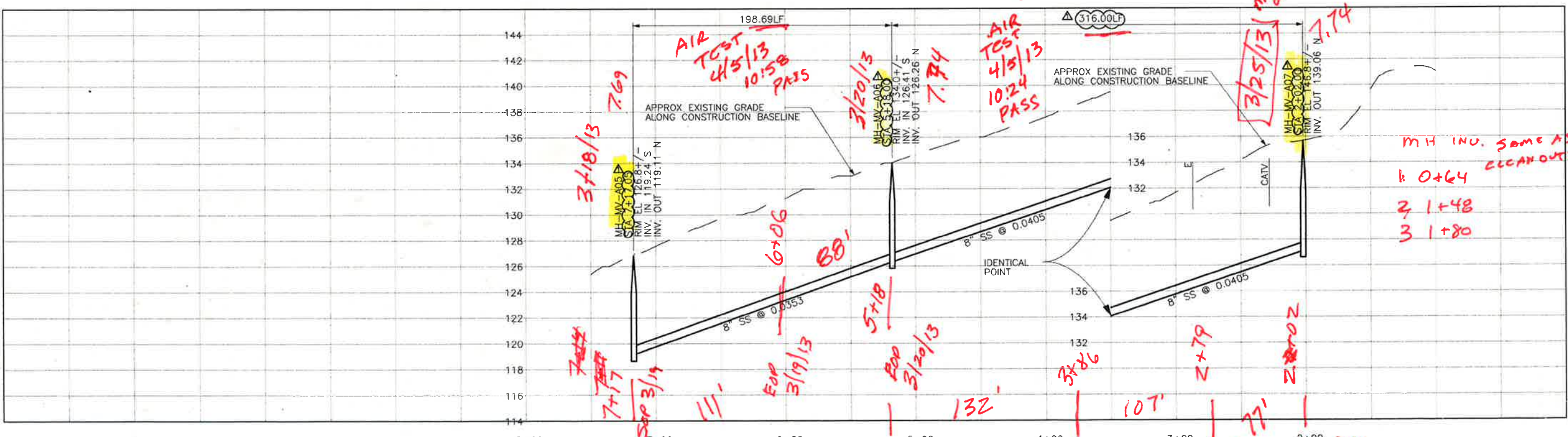
PROJECT NO. 42502-83120
 FILE NAME: D-PP-179A
 SHEET NO.
D-PP-179A.1

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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PLAN ON MOUNTAIN VIEW AVENUE



PROFILE ON MOUNTAIN VIEW AVENUE

WCD #11

CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS
10/15/12	LLB	MDM		LATERAL RELOCATION & MH STA ADJUSTMENTS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



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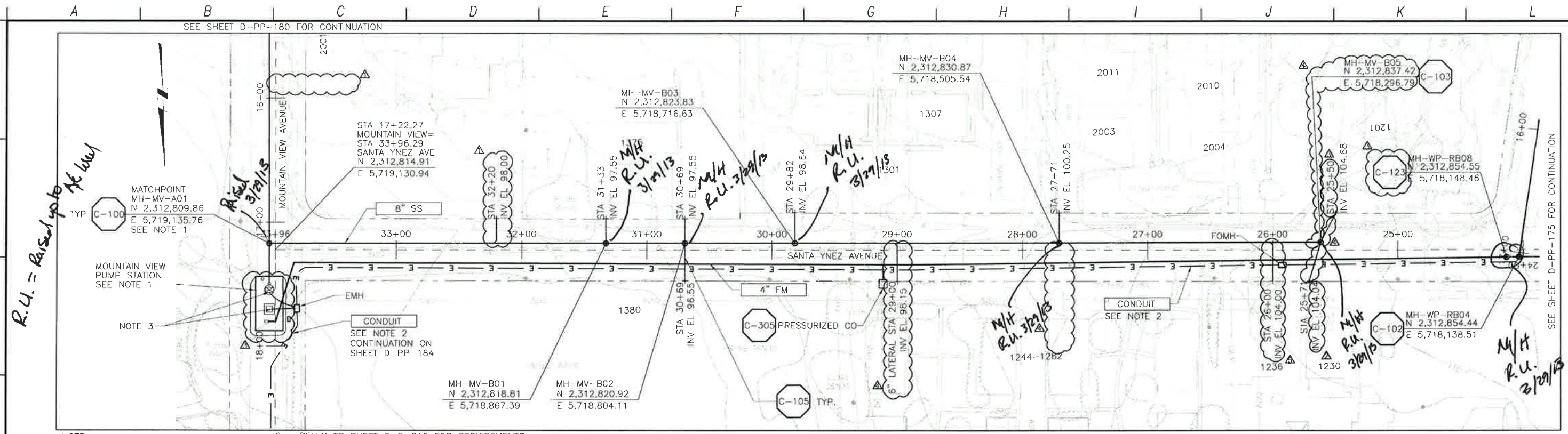
LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 MOUNTAIN VIEW AVE
 STA. 7+14.56 TO 2+21.84

PROJECT NO. 42502-B3120
 FILE NAME: D-PP-181
 SHEET NO. D-PP-181

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

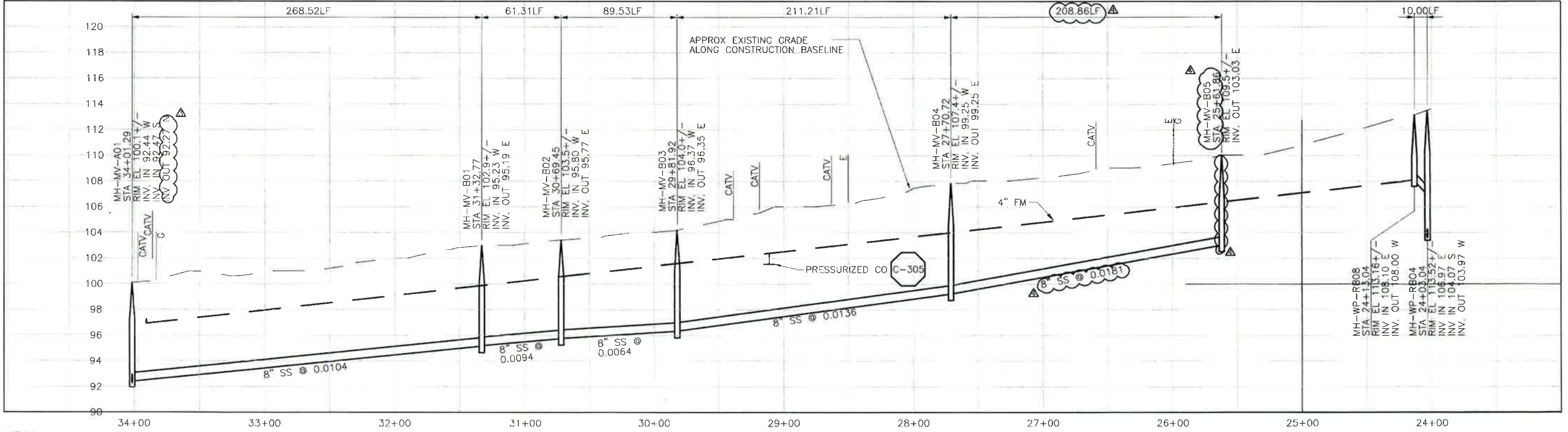
551

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- NOTE:
- SEE SHEET D-C-402 FOR DETAILS.
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - TERMINATE CONDUIT AT PUMP STATION AND VALVE VAULT.

PLAN ON SANTA YNEZ AVENUE



PROFILE ON SANTA YNEZ AVENUE

REV. NO.	DATE	DRWN	CHKD	REMARKS
1/29/13	LLB	MDM	RFI 54 - LATERAL ADDITION	
1/03/13	LLB	MDM	DCM 28 - MANHOLE & LATERAL RELOCATIONS	
11/27/12	LLB	MDM	RFI 22 - PUMP STATION RELOCATION/LATERAL UPDATE	
10/15/12	LLB	MDM	LATERAL INVERT ADJUSTMENT	
10/01/12	LLB	MDM	LATERAL RELOCATIONS	

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: APRIL 2012



0 1/2" = 1'
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

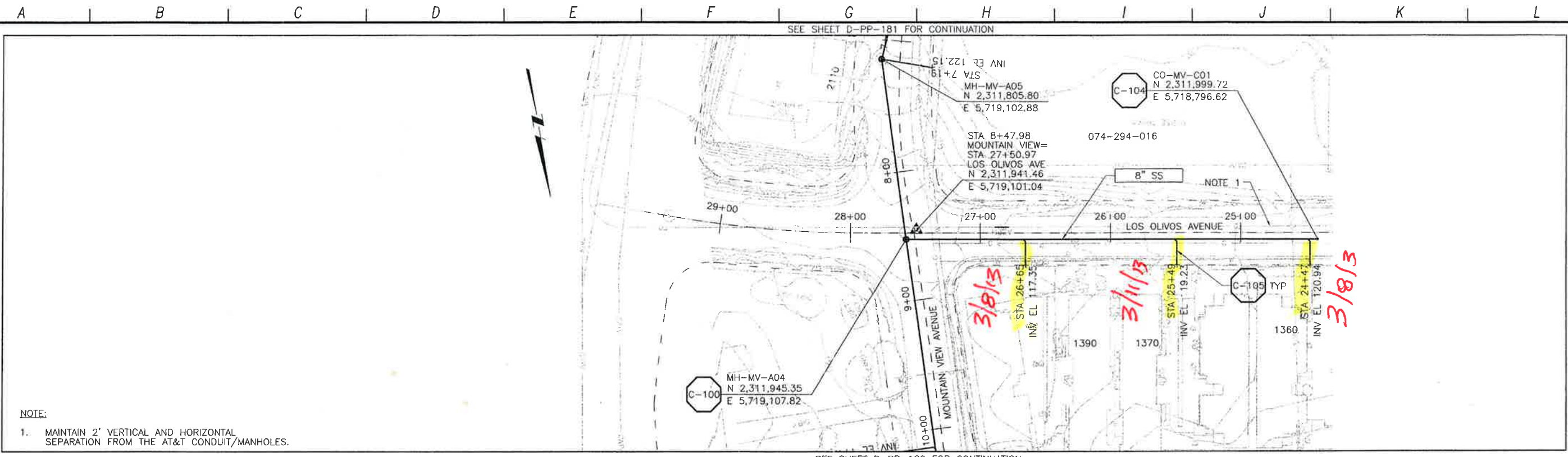


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 SANTA YNEZ AVE
 STA. 34+01.29 TO 24+70.86

PROJECT No. 42502-B3120
 FILE NAME: D-PP-182
 SHEET NO.
 D-PP-182.3

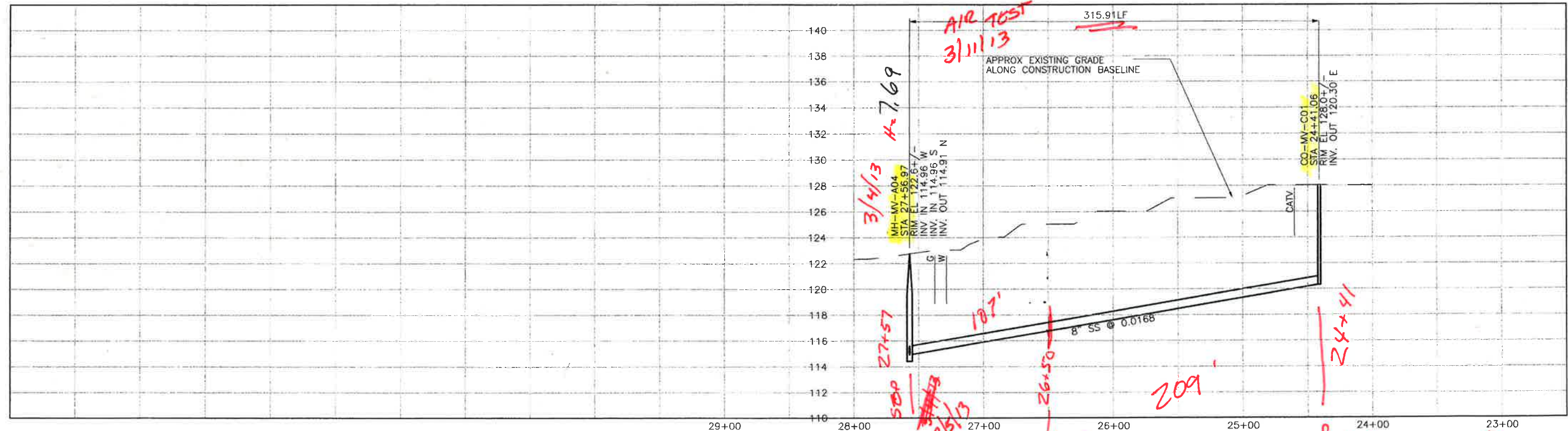
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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NOTE:
 1. MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT/MANHOLES.

PLAN ON LOS OLIVOS AVENUE



PROFILE ON LOS OLIVOS AVENUE

CONSTRUCTION
 BASELINE
 STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

CDM Smith
 2255 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 967-9900



0 1/2 1
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 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE
 LOS OLIVOS AVE
 STA. 27+56.97 TO 24+41.06

PROJECT NO. 42502-83120
 FILE NAME: D-PP-183
 SHEET NO. D-PP-183

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

EOP 3/7/13
 NO WORK (KACM)
 3/6/13

EOP 3/5/13
 26+50

MH-MV-A04
 STA 27+56.97
 RIM EL 122.6+/-
 INV IN 114.96 W
 INV IN 114.96 S
 INV. OUT 114.91 N

CO-MV-C01
 STA 24+41.06
 RIM EL 128.0+/-
 INV. OUT 120.30' E

AIR TEST
 3/11/13

APPROX EXISTING GRADE
 ALONG CONSTRUCTION BASELINE

8" SS @ 0.0168

315.91LF

27+57

107'

209'

24+41

EOP 3/5/13

3/4/13

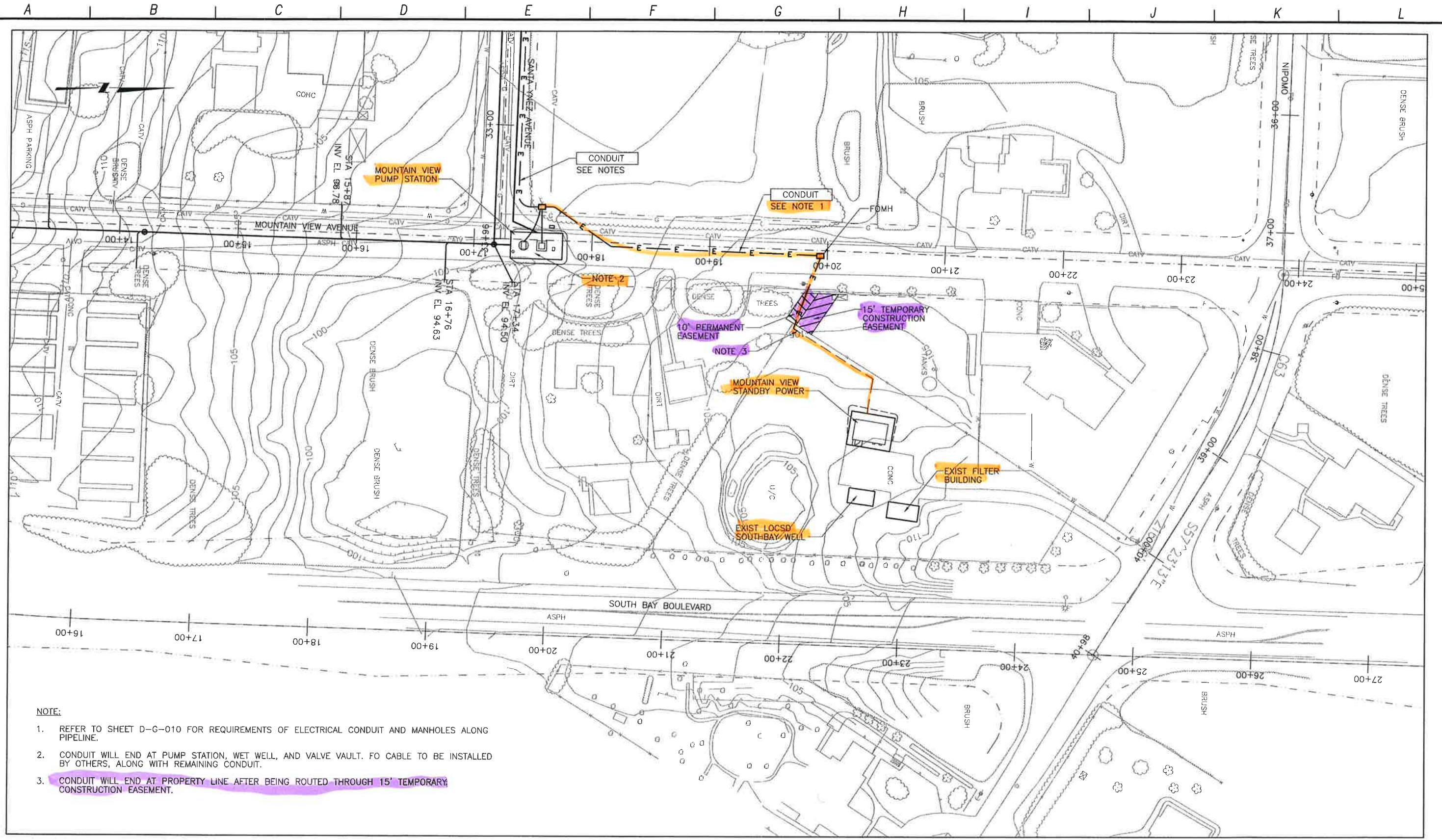
H=7.69

3/11/13

3/8/13

3/8/13

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 S:\Los Osos\Wainut C. .ek\Area D-SS\ d-pp-184. 03/12/12 15:17 bullockl . XREFS: LosOsos-bdr, CA-MDM, X-feet-topo-D, X-utl-cl-D, X-feet-cbl-REV, X-feet-ceri-sou-D, X-utl-strm-D, loc_md, FIBER-OPTIC



- NOTE:**
- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.
 - CONDUIT WILL END AT PUMP STATION, WET WELL, AND VALVE VAULT. FO CABLE TO BE INSTALLED BY OTHERS, ALONG WITH REMAINING CONDUIT.
 - CONDUIT WILL END AT PROPERTY LINE AFTER BEING ROUTED THROUGH 15' TEMPORARY CONSTRUCTION EASEMENT.

PLAN ON SANTA YNEZ AVENUE

CONSTRUCTION
BASELINE
STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: SDN
 DRAWN BY: LLB
 CHECKED BY: MDM
 DATE: MARCH, 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

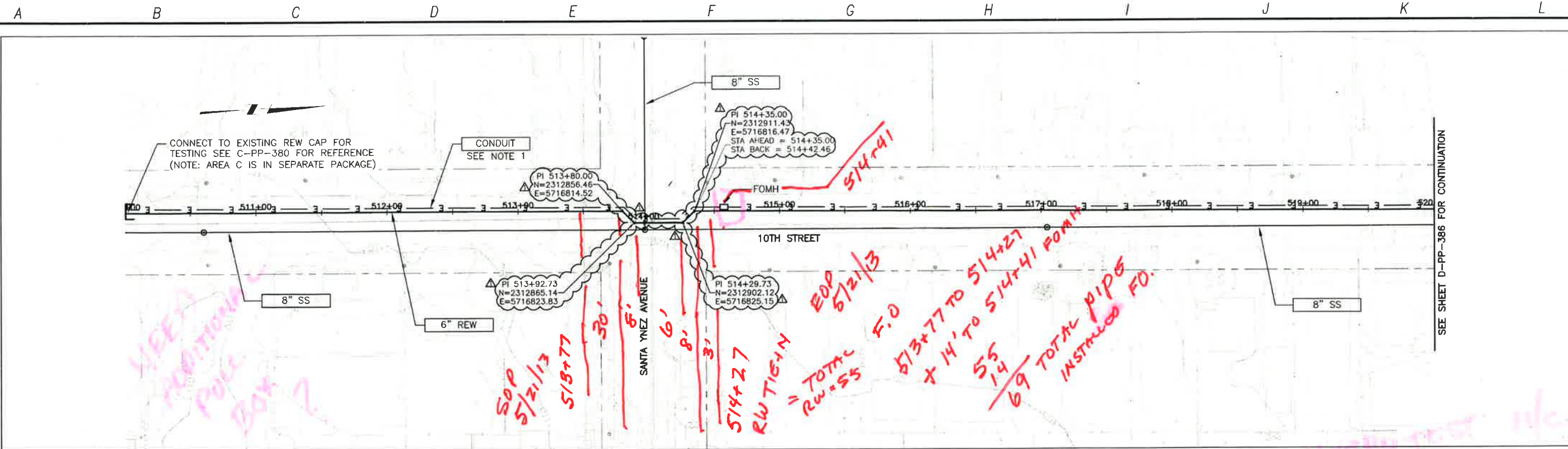


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 1-800-542-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

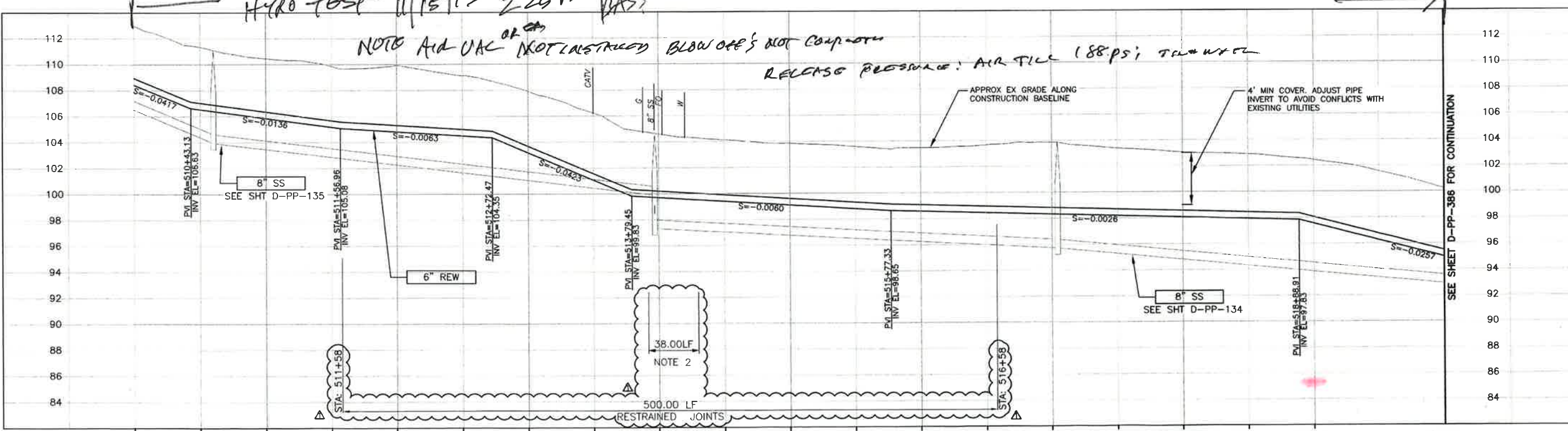
LOS OSOS WASTEWATER COLLECTION SYSTEM
**MOUNTAIN VIEW AVE
 CONDUIT PLAN**

PROJECT NO. 42502-83120
 FILE NAME: D-PP-184
 SHEET NO.
D-PP-184

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'



PLAN ON 10TH STREET



PROFILE ON 10TH STREET

- NOTES:
- REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG PIPELINE.
 - FM TO BE ENCASED IN CONCRETE PER SLO COUNTY STDN DETAIL U-4B.

FO. & RW.
REALIGN TIE-IN

AS BUILT

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REV. NO.	DATE	DRWN	CHKD	REMARKS
5/01/13	LLB	MDM	RFI	80 - REW ALIGNMENT ADJUSTMENT

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 967-9900



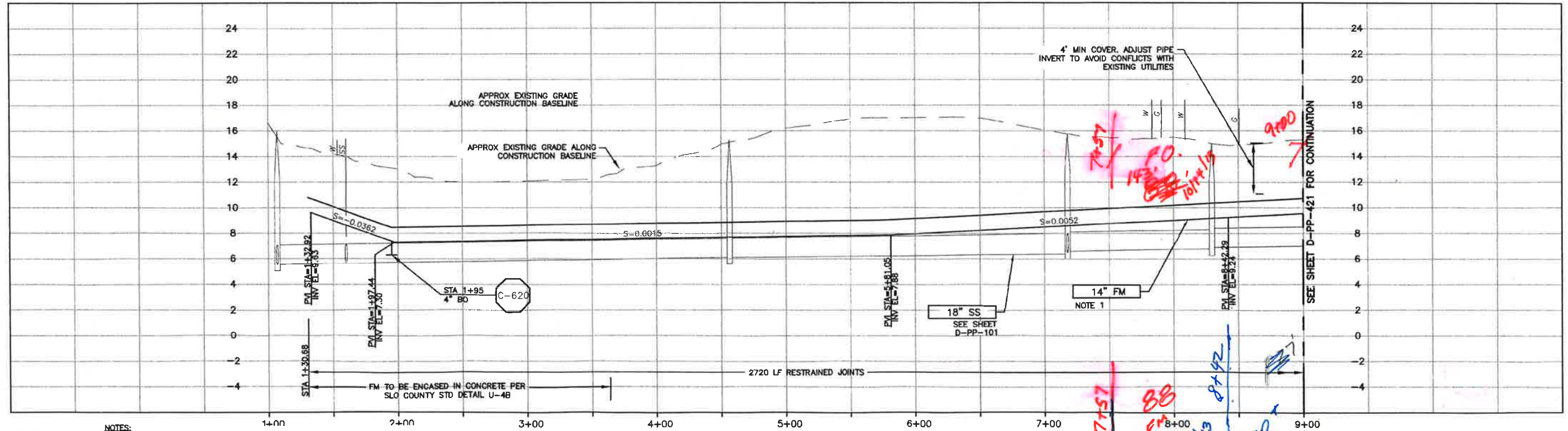
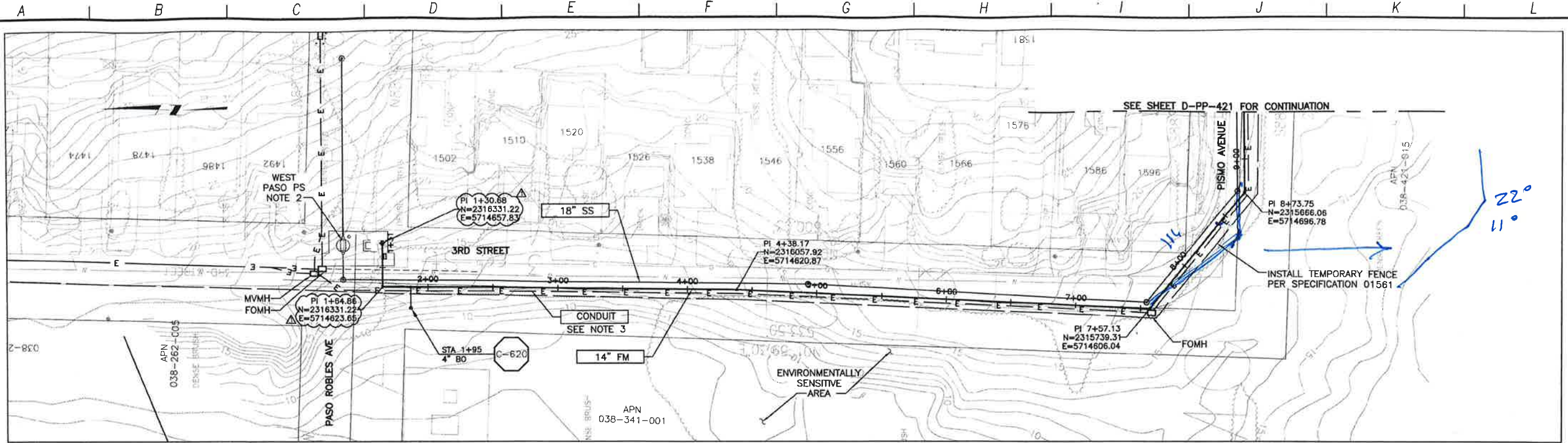
DIGALERT
 CALL TOLL FREE 1-800-642-1144
 BEFORE YOU DIG
 TO AVOID DAMAGE TO UTILITIES

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - REW
 10TH STREET
 STA 510+00 TO 520+00

PROJECT NO. 42502-83120
 FILE NAME: D-PP-385
 SHEET NO. D-PP-385.1

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

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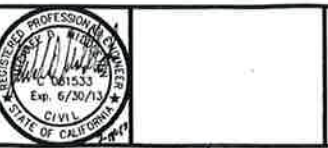
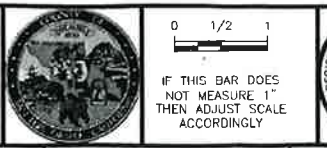


- CONSTRUCTION BASELINE STATION
- NOTES:
- NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 - SEE SHEET A-C-103 FOR DETAILS.
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG PIPELINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS
7/16/13	LLB	MDM		DCM 76 - FM PI ADJUSTMENT

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900

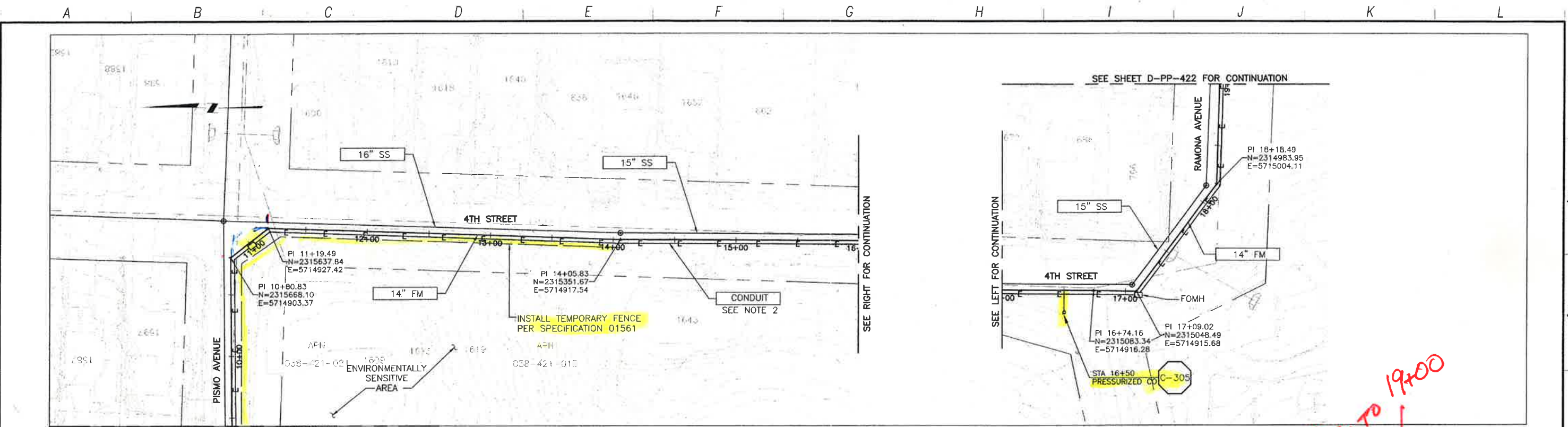


DIGALERT
 DIAL TOLL FREE
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE NEAR OF NORTHERN CALIFORNIA

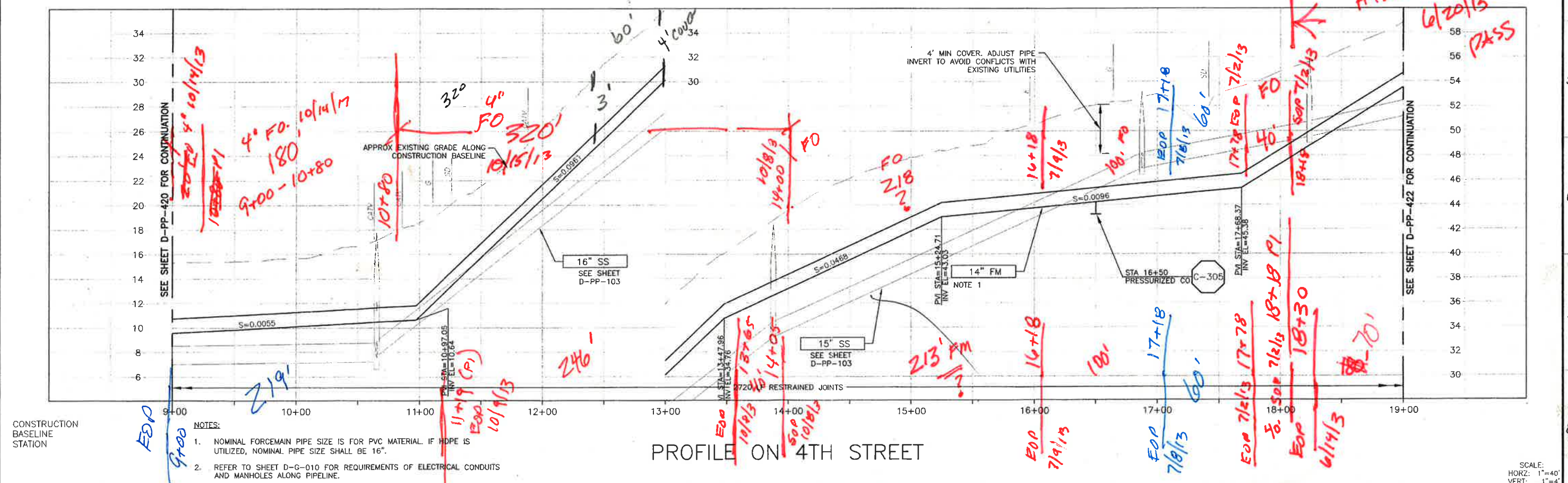
LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 3RD STREET
 STA 1+30.68 TO 9+00

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-420
 SHEET NO.
 D-PP-420.1

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PLAN ON 4TH STREET



PROFILE ON 4TH STREET

- CONSTRUCTION BASELINE STATION
- NOTES:
- NOMINAL FORCE MAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG PIPELINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: MARCH 2012

CDM Smith
 2285 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 061533
 Exp. 5/30/13

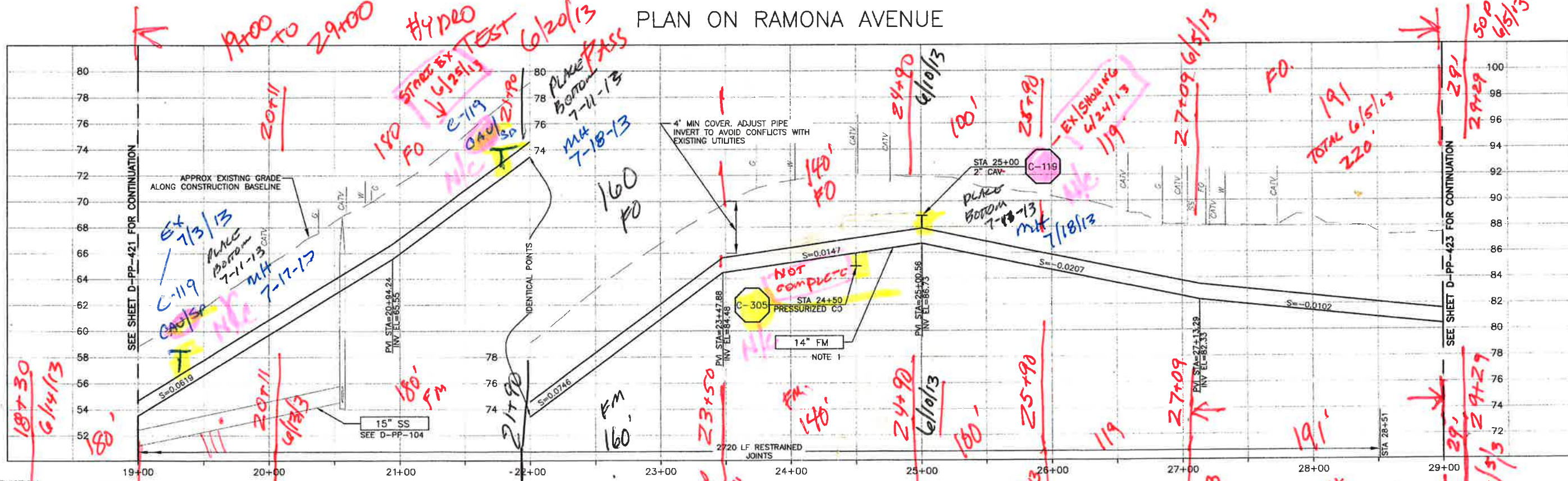
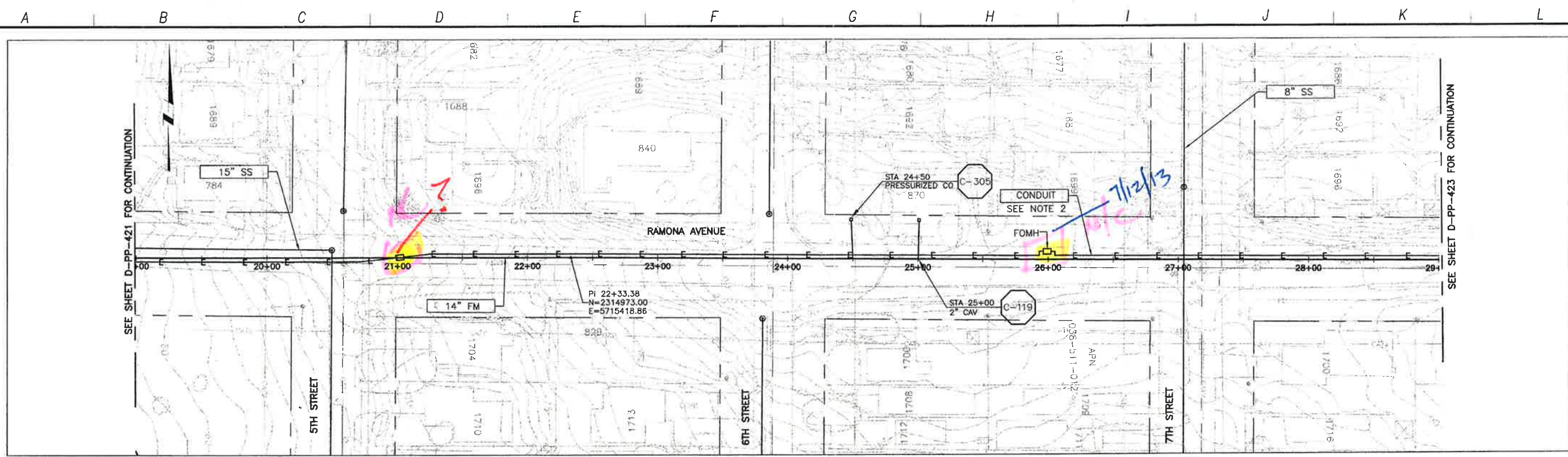
DIGALERT
 800.762.7777
 800.542.3444
 AT LEAST TWO WEEKS BEFORE ANY WORK

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 4TH STREET
 STA 9+00 TO 19+00

PROJECT NO. 42502-B3120
 FILE NAME: D-PP-421
 SHEET NO.
 D-PP-421

SCALE:
 HORIZ: 1"=40'
 VERT: 1"=4'

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- NOTES:
1. NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 2. REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG THE PIPELINE.

PROFILE ON RAMONA AVENUE

CONSTRUCTION BASELINE STATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: MARCH 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



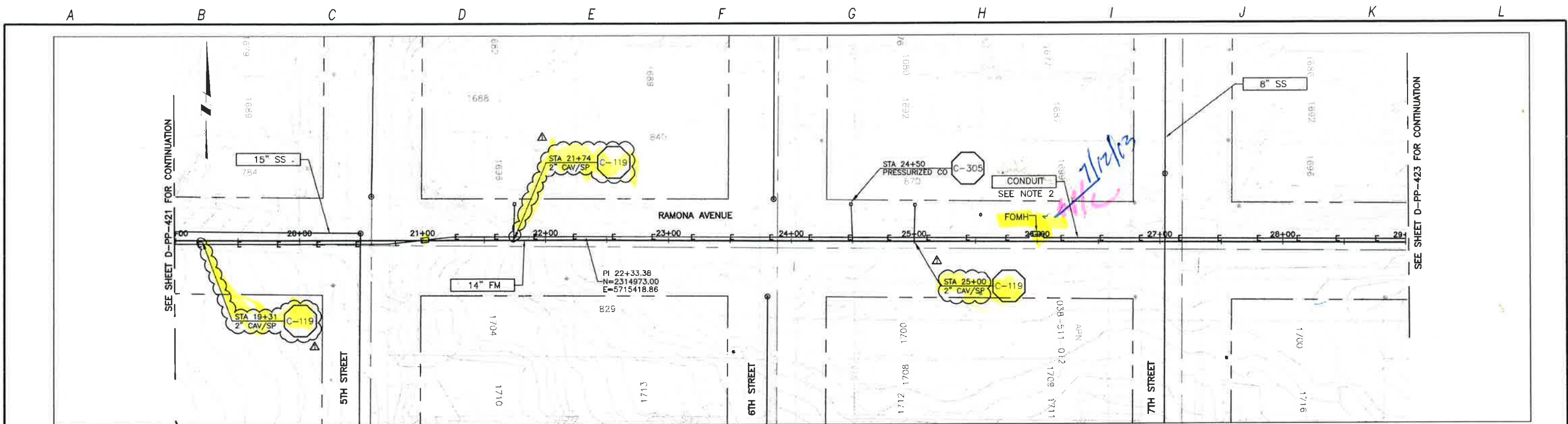
DIGALERT
 DIAL TOLL FREE 1-800-642-2444
 ALL LEAD LINES MUST BE MARKED BEFORE YOU DIG

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 RAMONA AVE
 STA 19+00 TO 29+00

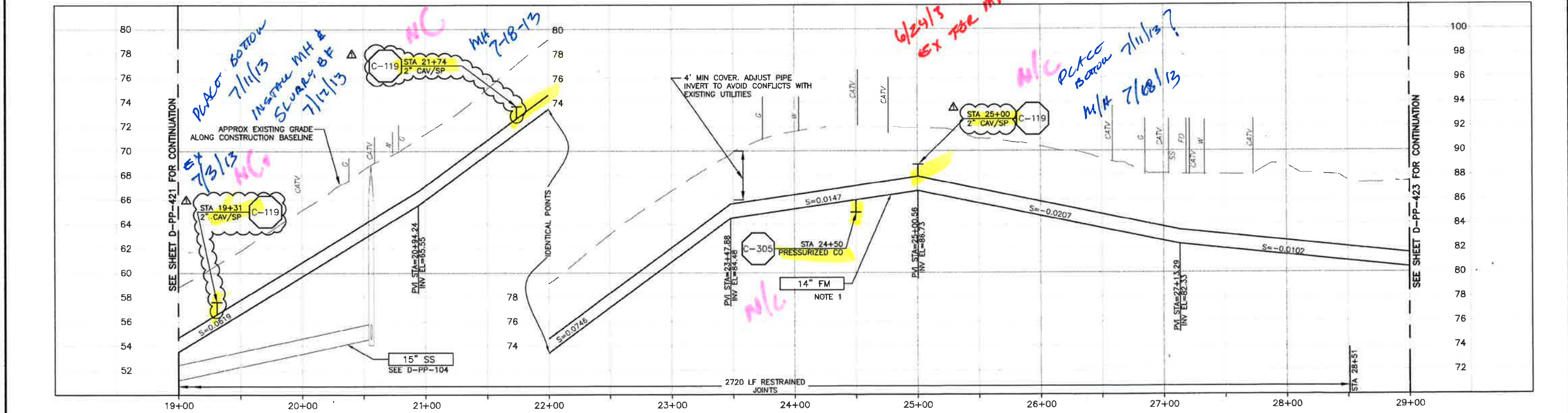
PROJECT NO. 42502-83120
 FILE NAME: D-PP-422
 SHEET NO.
D-PP-422

SEE RULES

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PLAN ON RAMONA AVENUE



PROFILE ON RAMONA AVENUE

- CONSTRUCTION BASELINE STATION
- NOTES:
- NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG THE PIPELINE.

REV. NO.	DATE	DRWN	CHKD	REMARKS
10/09/12	LLB	MDM		ADD/MODIFY AIR VALVES

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: APRIL 2012

CDM Smith
 2285 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 587-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

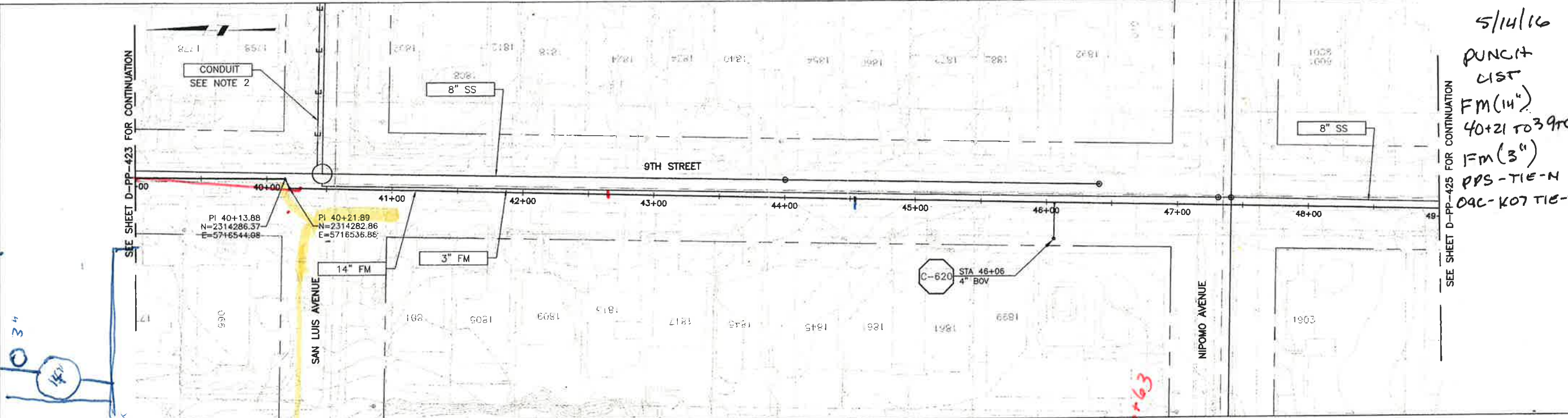


DIGALERT
 DIAL TOLL FREE: 1-800-542-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERTS OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE - FM
RAMONA AVE
 STA 19+00 TO 29+00

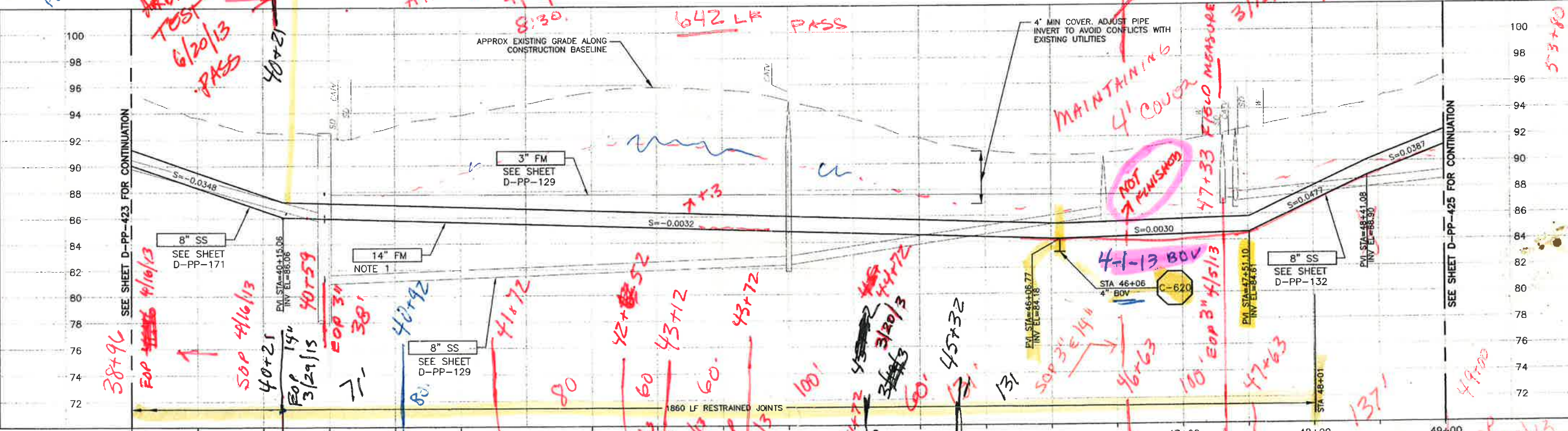
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'
 PROJECT NO. 42502-83120
 FILE NAME: D-PP-422
 SHEET NO.
D-PP-422

A B C D E F G H I J K L



5/14/16
 PUNCH LIST
 FM(14")
 40+21 TO 39+00
 FM(3")
 PPS-TIE-N
 OAC-K07 TIE-M

PLAN ON 9TH STREET



PROFILE ON 9TH STREET

- NOTES:
- NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 - REFER TO SHEET D-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG PIPELINE.

4022
 125
 1.46

LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 9TH STREET
 STA 39+00 TO 49+00

PROJECT NO. 42502-8312
 FILE NAME: D-PP-424
 SHEET NO.
 D-PP-424

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: MARCH 2012

CDM Smith
 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900

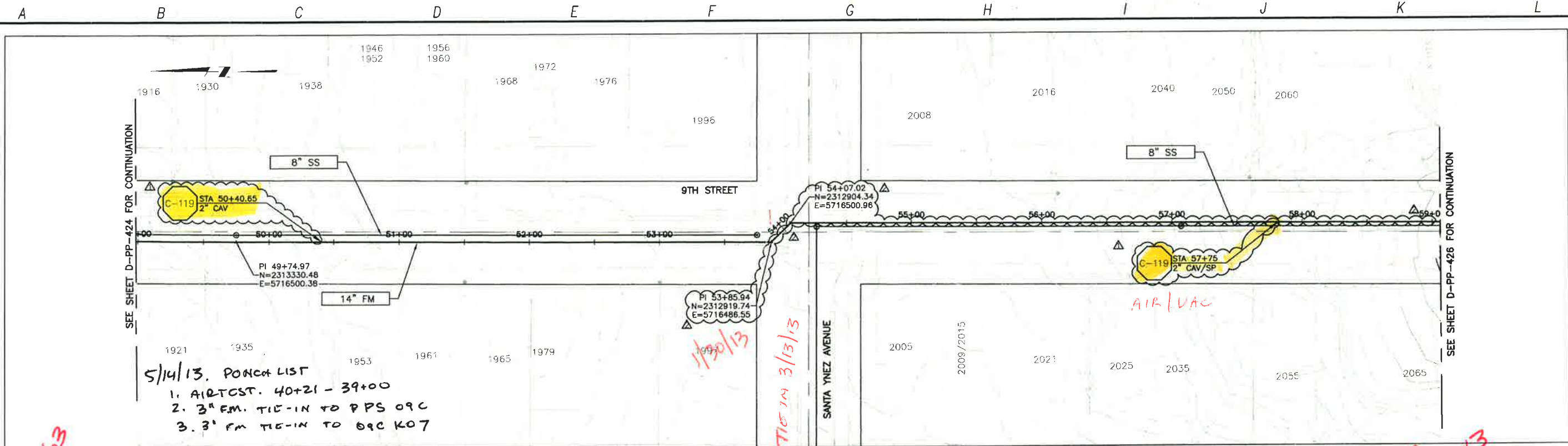


THIS SEAL DOES NOT MEASURE THEIR ADJUST SCALE AND DRIVING



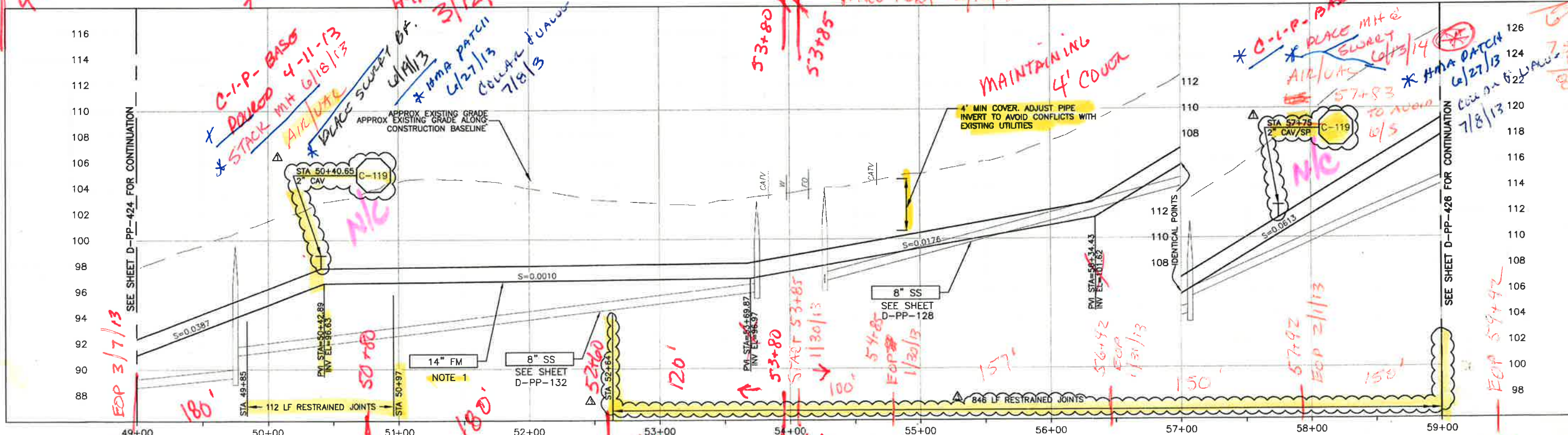
SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

620.2 CDM SMITH AND ASSOCIATES, INC. ENGINEERS AND ARCHITECTS, INC. 12/27/12 09.33 bullocki AREAS: N-FM-ALIGNMENT, N-FM-PROFILE, CDA AREAS: n-ull-ss-d, x-ull-srm-1, x-10-01, LosOsos-bcr, x-feat-addr-3, x-feat-addr-2, x-feat-addr-1, x-feat-addr-0, CA-MDM
 5 Los Osos Working 01 sheets VVD, CWD, FM, D-PP-425, 12/27/12 09.33 bullocki AREAS: N-FM-ALIGNMENT, N-FM-PROFILE, CDA AREAS: n-ull-ss-d, x-ull-srm-1, x-10-01, LosOsos-bcr, x-feat-addr-3, x-feat-addr-2, x-feat-addr-1, x-feat-addr-0, CA-MDM



5/14/13. POCat LIST
 1. AIRCST. 40+21 - 39+00
 2. 3" FM. TIC-IN TO PPS 09C
 3. 3" FM TIC-IN TO 09C K07

PLAN ON 9TH STREET



NOTES:
 1. NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".

PROFILE ON 9TH STREET

SPEC 02422-3 CLASS 150 (DR25)

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	12/28/12	LLB	MDM	DCM 27 - FM RESTRAINED LENGTH
2	12/12/12	LLB	MDM	RF1 25 - FM RELOCATION
3	10/09/12	LLB	MDM	ADD/MODIFY AIR VALVES

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: APRIL 2012



1/2
 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

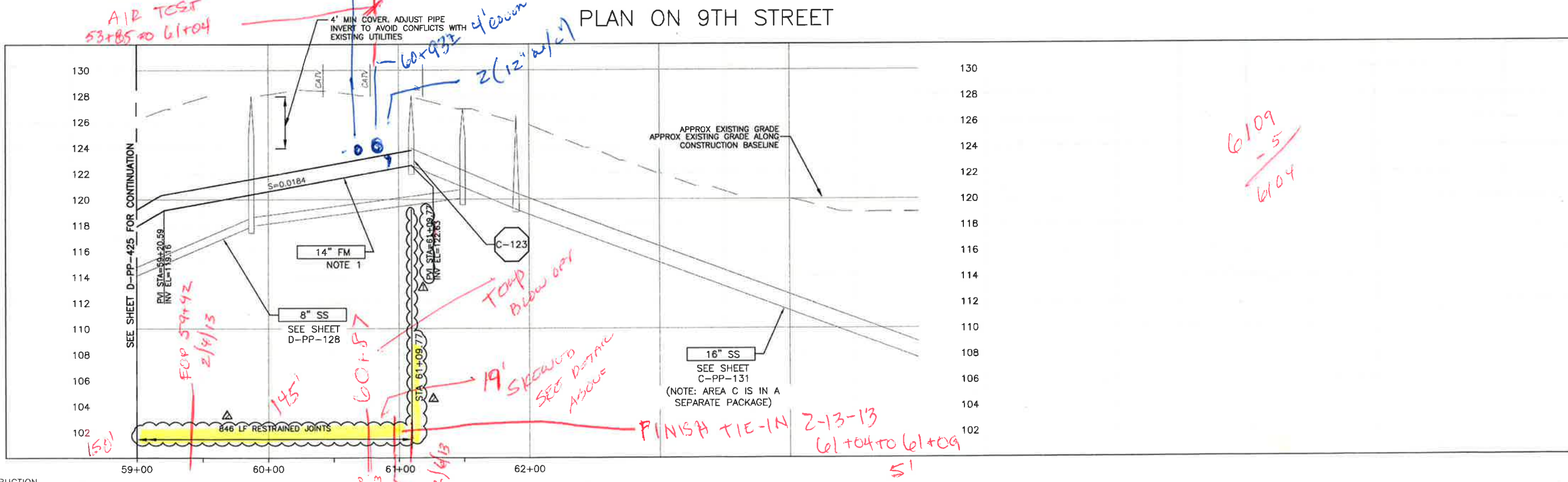
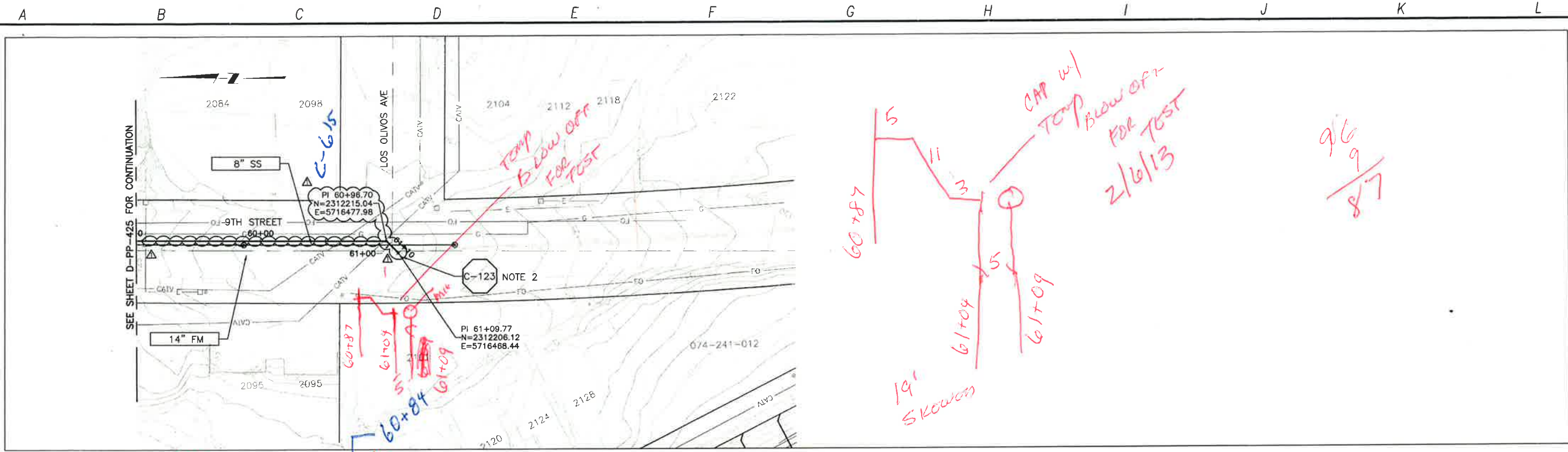


LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 9TH STREET
 STA 49+00 TO 59+00

PROJECT NO. 42502-83120
 FILE NAME: D-PP-425
 SHEET NO. D-PP-425.2

SPEC 02422-3 CLASS 150 (DR25)

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CONSTRUCTION BASELINE STATION

- NOTES:**
- NOMINAL FORCEMAIN PIPE SIZE IS FOR PVC MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 16".
 - MH AND DOWNSTREAM GRAVITY SEWER ARE TO BE INSTALLED BY OTHERS.

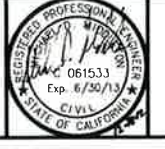
PROFILE ON 9TH STREET

REV NO.	DATE	DRWN	CHKD	REMARKS
12/28/12	LLB	MDM		DCM 27 - FM RESTRAINED LENGTH
12/12/12	LLB	MDM		RFI 25 - FM RELOCATION

DESIGNED BY: APS
 DRAWN BY: RKU
 CHECKED BY: MDM
 DATE: APRIL 2012



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 Sacramento, CA 95833
 Tel: (916) 567-9900



SCALE: 1" = 4'



LOS OSOS WASTEWATER COLLECTION SYSTEM
 PLAN AND PROFILE - FM
 9TH STREET
 STA 59+00 TO 61+00

PROJECT NO: 42502-83120
 FILE NAME: D-PP-426
 SHEET NO:
 D-PP-426.2