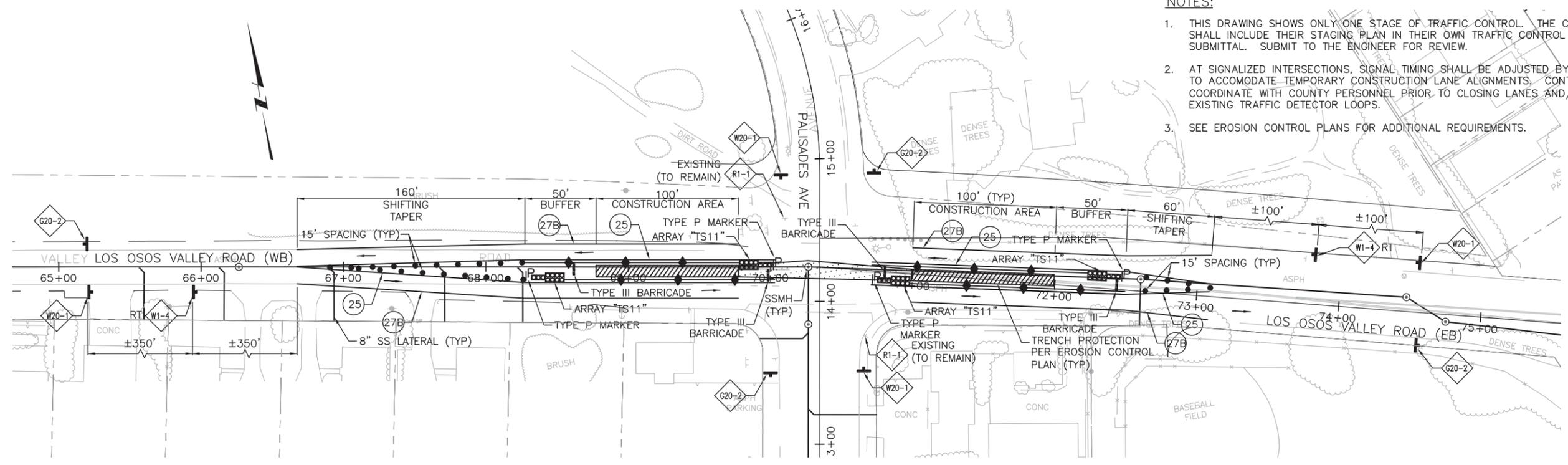


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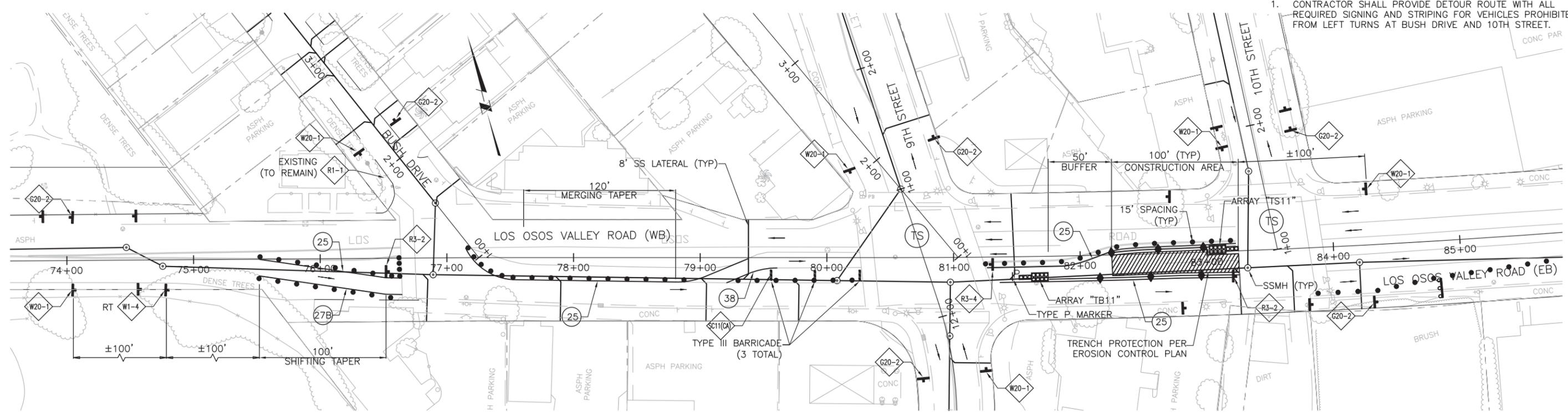
1. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW.
2. AT SIGNALIZED INTERSECTIONS, SIGNAL TIMING SHALL BE ADJUSTED BY THE COUNTY TO ACCOMMODATE TEMPORARY CONSTRUCTION LANE ALIGNMENTS. CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO CLOSING LANES AND/OR DISRUPTING EXISTING TRAFFIC DETECTOR LOOPS.
3. SEE EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS.



LOS OSOS VALLEY ROAD AND PALISADES AVE INTERSECTION

9TH & 10TH STREET SPECIAL NOTES:

1. CONTRACTOR SHALL PROVIDE DETOUR ROUTE WITH ALL REQUIRED SIGNING AND STRIPING FOR VEHICLES PROHIBITED FROM LEFT TURNS AT BUSH DRIVE AND 10TH STREET.



LOS OSOS VALLEY ROAD AND 9TH & 10TH STREET INTERSECTIONS

SCALE: 1"=40'

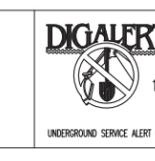
DESIGNED BY: RDH	RDH			
DRAWN BY: RDH	RDH			
CHECKED BY: DAD	DAD			
DATE: APRIL 2012				
REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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 2295 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
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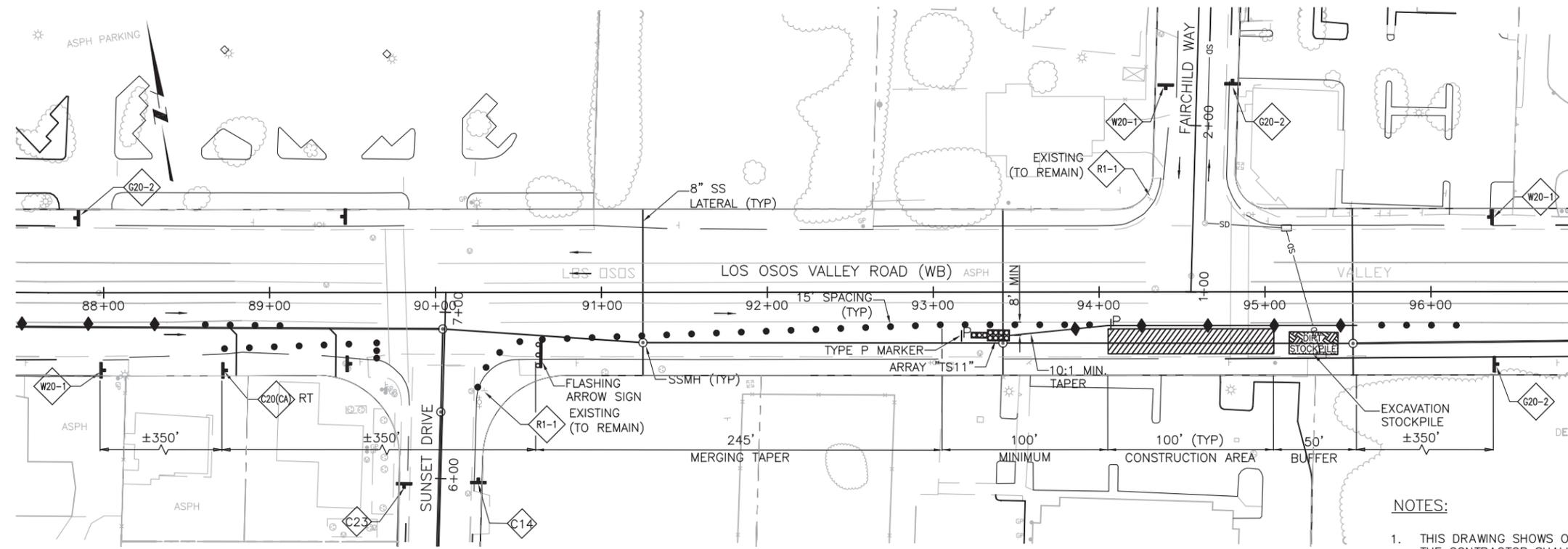
0 1/2 1
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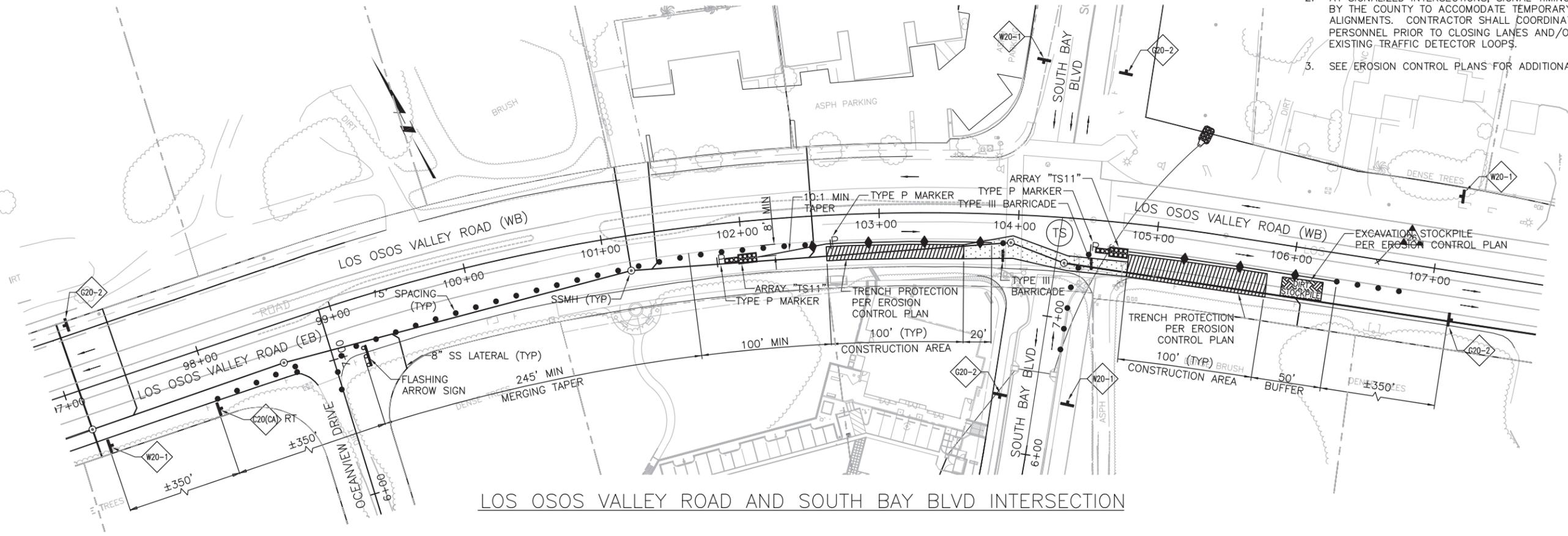
LOS OSOS WASTEWATER COLLECTION SYSTEM
AREA C TRAFFIC CONTROL PLAN
 DETAILED PLAN AT PALISADES AVE. AND
 9TH & 10TH STREET INTERSECTIONS

PROJECT NO. 42502-83120
 FILE NAME: C-TC-11
 SHEET NO.
C-TC-011



LOS OSOS VALLEY ROAD AND FAIRCHILD AVE INTERSECTION

- 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.
 2. AT SIGNALIZED INTERSECTIONS, SIGNAL TIMING SHALL BE ADJUSTED BY THE COUNTY TO ACCOMMODATE TEMPORARY CONSTRUCTION LANE ALIGNMENTS. CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO CLOSING LANES AND/OR DISRUPTING EXISTING TRAFFIC DETECTOR LOOPS.
 3. SEE EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS.



LOS OSOS VALLEY ROAD AND SOUTH BAY BLVD INTERSECTION

SCALE: 1"=40'

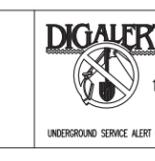
REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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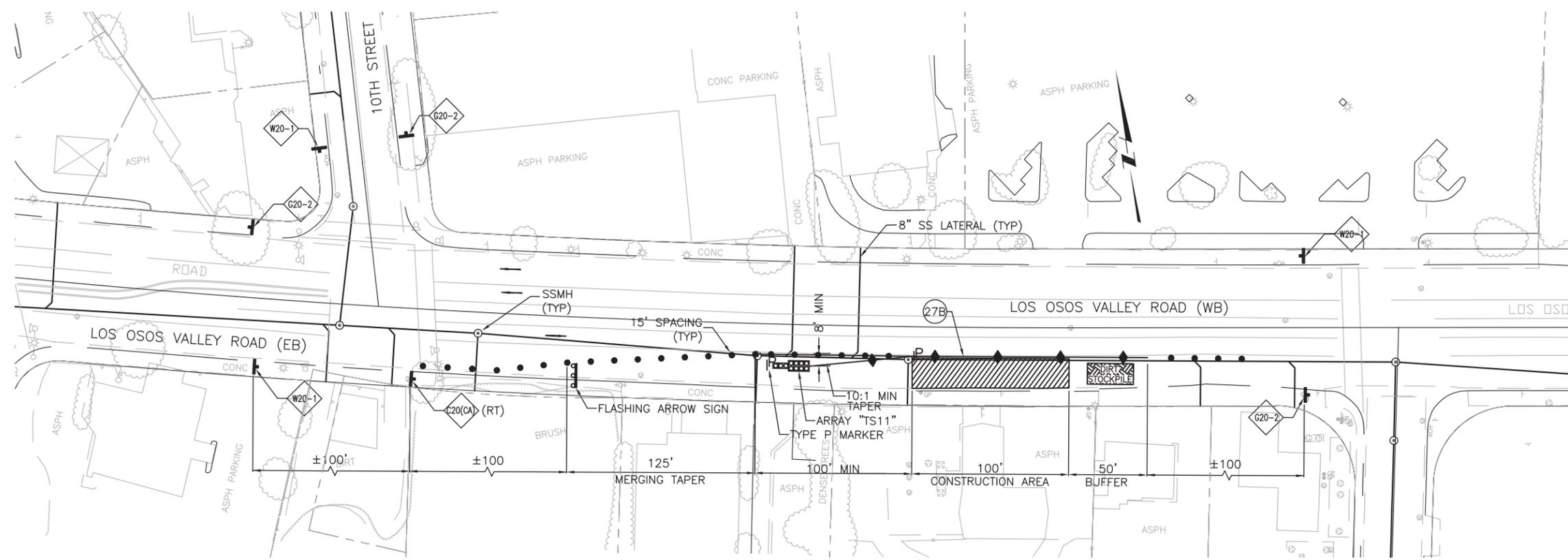
0 1/2 1
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA C TRAFFIC CONTROL PLAN
 DETAILED PLAN AT FAIRCHILD AVE. AND SOUTH BAY BLVD. INTERSECTIONS

PROJECT NO. 42502-83120
 FILE NAME: C-TC-12
 SHEET NO.
C-TC-012



LOS OSOS VALLEY ROAD – TYPICAL MID-BLOCK CONSTRUCTION

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.
2. AT SIGNALIZED INTERSECTIONS, SIGNAL TIMING SHALL BE ADJUSTED BY THE COUNTY TO ACCOMODATE TEMPORARY CONSTRUCTION LANE ALIGNMENTS. CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO CLOSING LANES AND/OR DISRUPTING EXISTING TRAFFIC DETECTOR LOOPS.
3. SEE EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS.

SCALE: 1"=40'

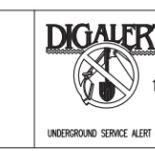
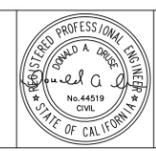
REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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0 1/2 1
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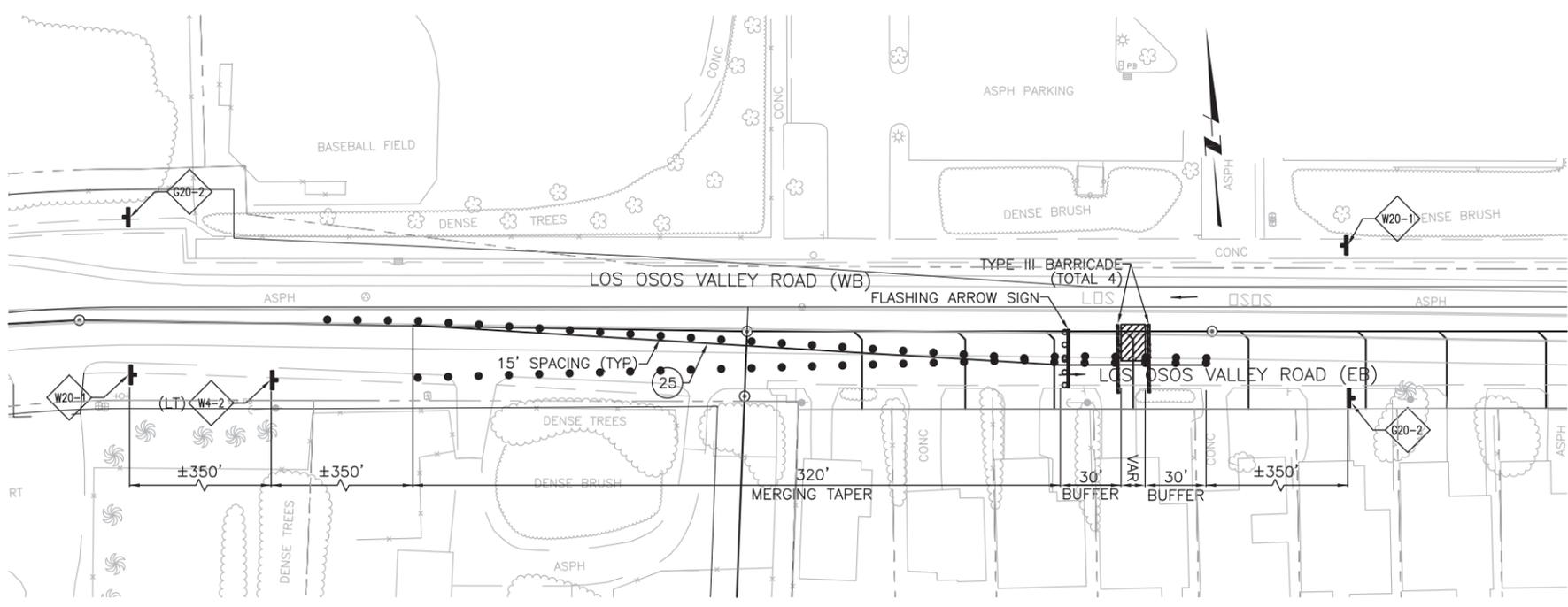


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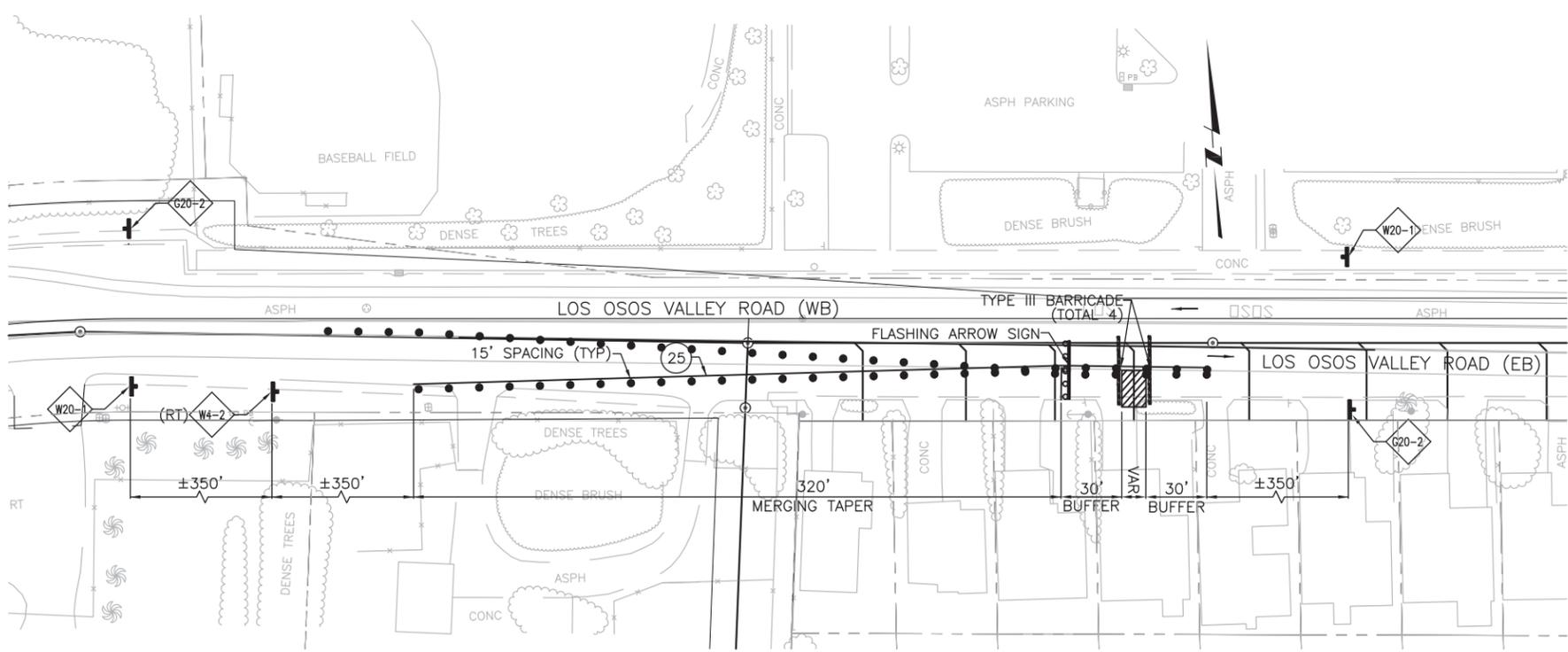
LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA C TRAFFIC CONTROL PLAN
 LOS OSOS VALLEY ROAD
 TYPICAL MID-BLOCK CONSTRUCTION

PROJECT NO. 42502-83120
 FILE NAME: C-TC-13
 SHEET NO.
C-TC-013

- 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.
 2. AT SIGNALIZED INTERSECTIONS, SIGNAL TIMING SHALL BE ADJUSTED BY THE COUNTY TO ACCOMMODATE TEMPORARY CONSTRUCTION LANE ALIGNMENTS. CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO CLOSING LANES AND/OR DISRUPTING EXISTING TRAFFIC DETECTOR LOOPS.
 3. SEE EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS.



LOS OSOS VALLEY ROAD – TYPICAL SS LATERAL CONSTRUCTION (STAGE 1)



LOS OSOS VALLEY ROAD – TYPICAL SS LATERAL CONSTRUCTION (STAGE 2)

SCALE: 1"=40'

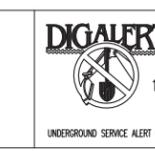
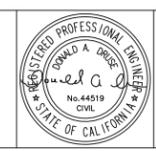
REV. NO.	DATE	DRWN	CHKD	REMARKS

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 CHECKED BY: DAD
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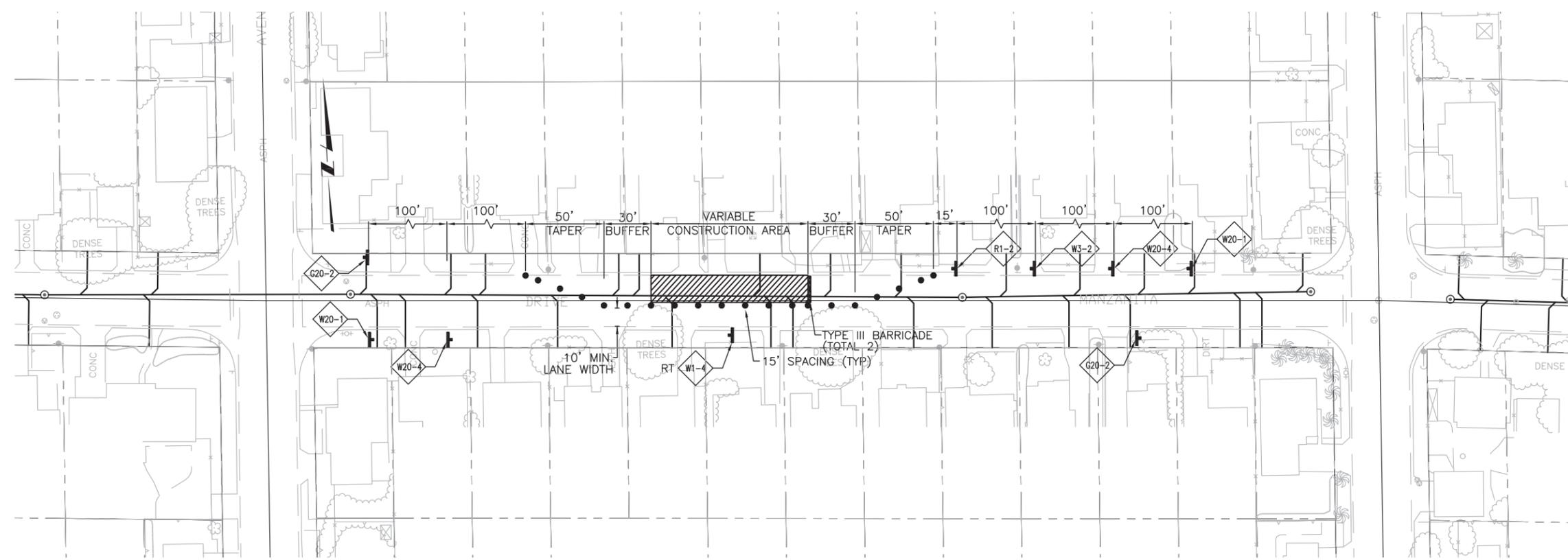
0 1/2 1
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA C TRAFFIC CONTROL PLAN
 LOS OSOS VALLEY ROAD
 TYPICAL LATERAL CONSTRUCTION

PROJECT NO. 42502-83120
 FILE NAME: C-TC-14
 SHEET NO.
C-TC-014



MINOR STREET – TYPICAL MID-BLOCK SINGLE LANE CLOSURE

NOTES:

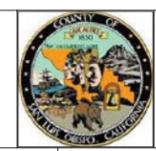
1. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
2. FOR ALL SINGLE LANE CLOSURES ON MINOR STREETS, THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF FIGURE 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.

SCALE: 1"=40'

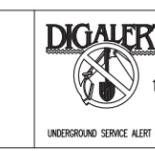
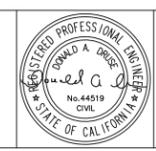
REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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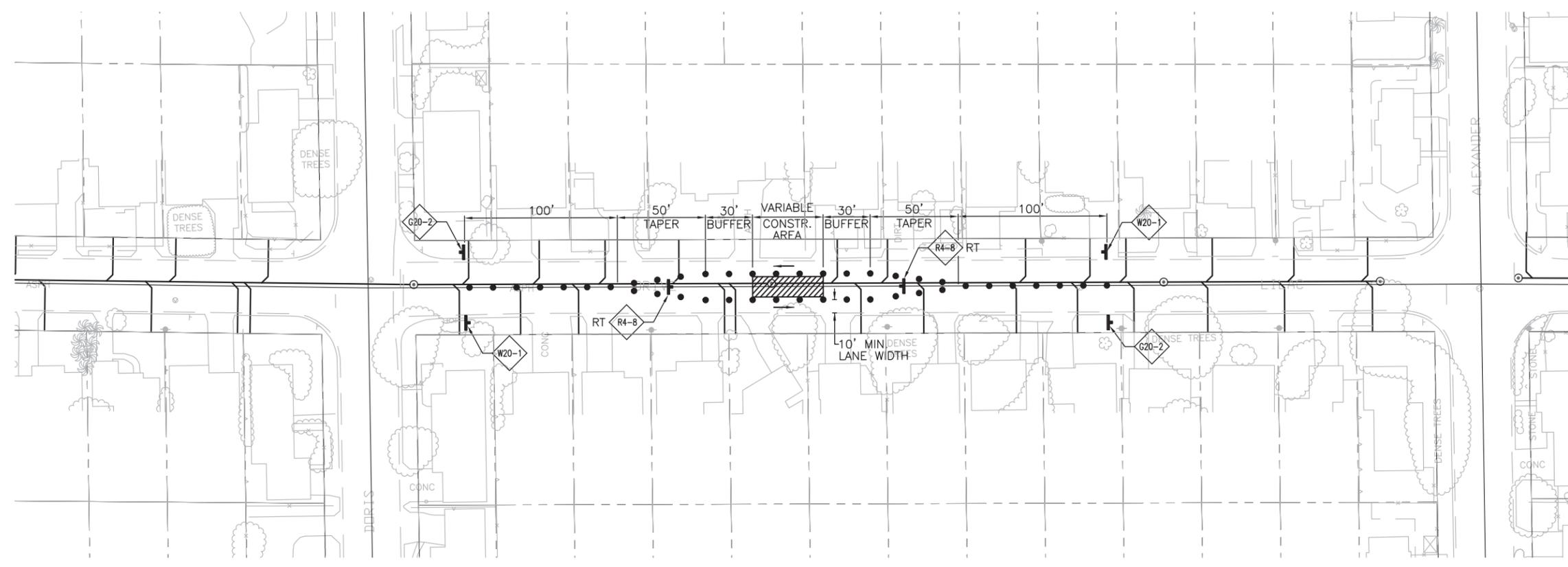
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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA C TRAFFIC CONTROL PLAN
 TYPICAL MINOR STREET
 MID-BLOCK CONSTRUCTION

PROJECT NO. 42502-83120
 FILE NAME: C-TC-15
 SHEET NO.
C-TC-015



MINOR STREET – TYPICAL ROADWAY CENTER CLOSURE

NOTES:

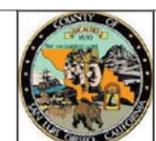
1. THIS DRAWING SHOWS ONLY ONE STAGE OF TRAFFIC CONTROL. THE CONTRACTOR SHALL INCLUDE THEIR STAGING PLAN IN THEIR OWN TRAFFIC CONTROL PLAN SUBMITTAL. SUBMIT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE.
2. FOR ADDITIONAL NOTES AND REQUIREMENTS RELATED TO TRAFFIC CONTROL FOR WORK IN THE CENTER OF A MINOR 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.

SCALE: 1"=40'

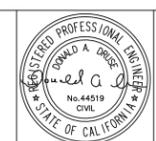
REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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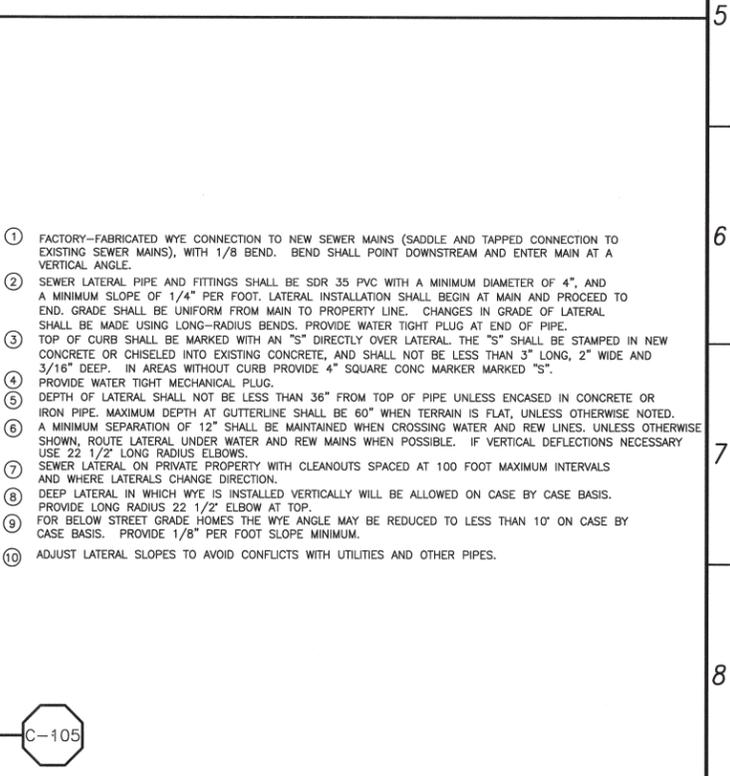
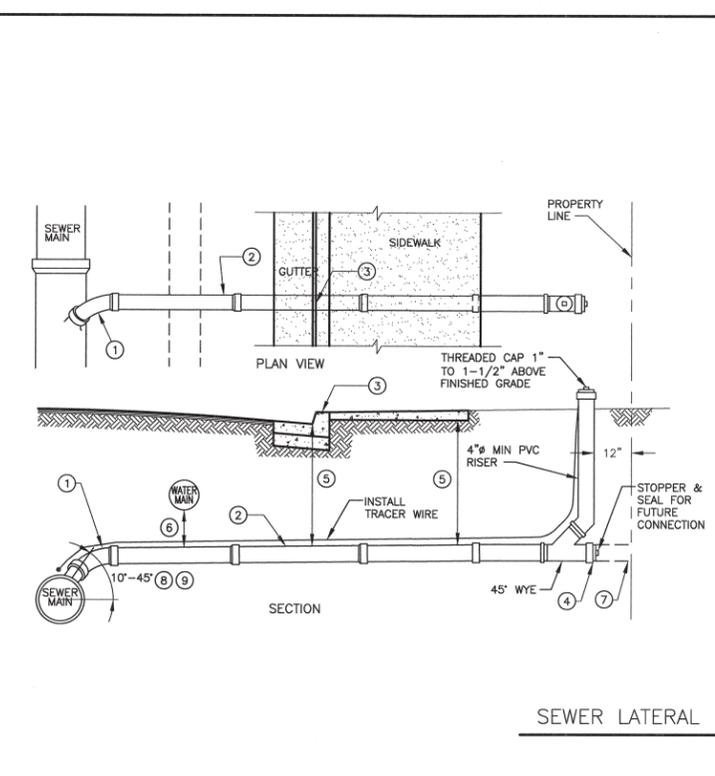
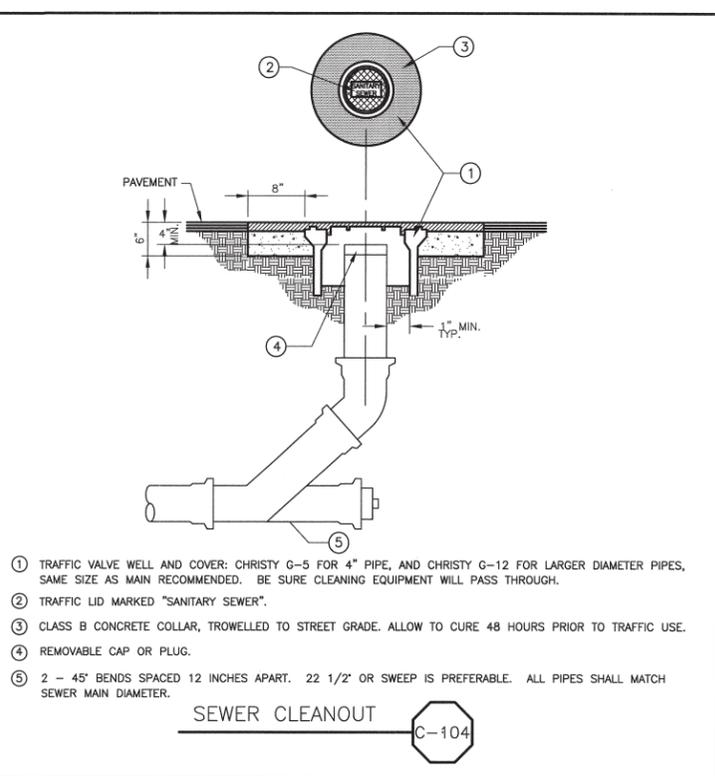
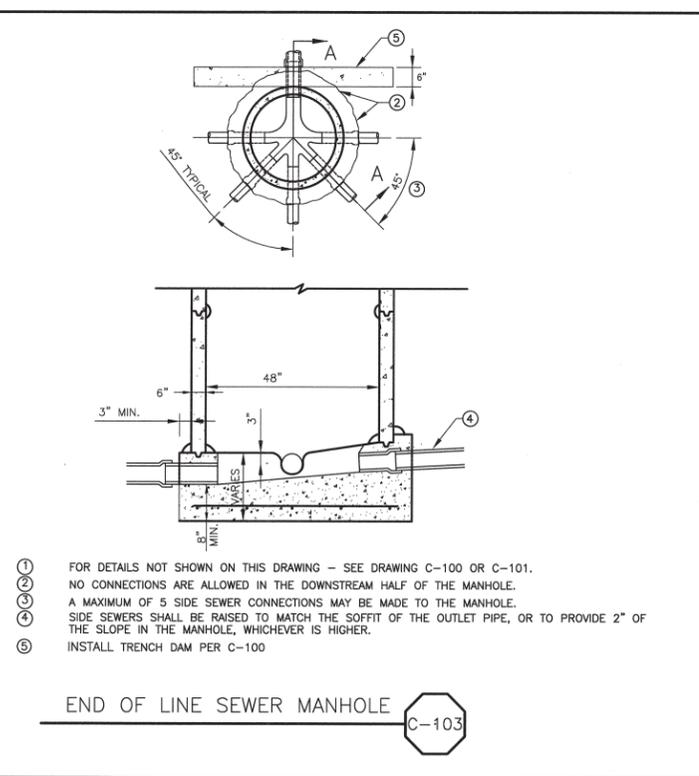
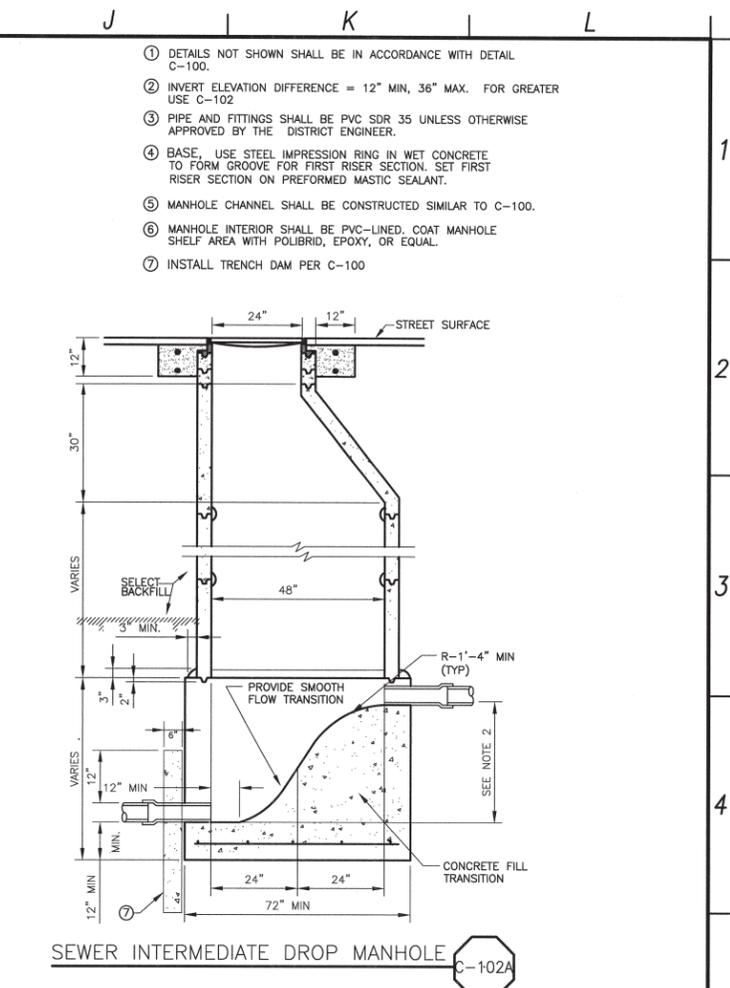
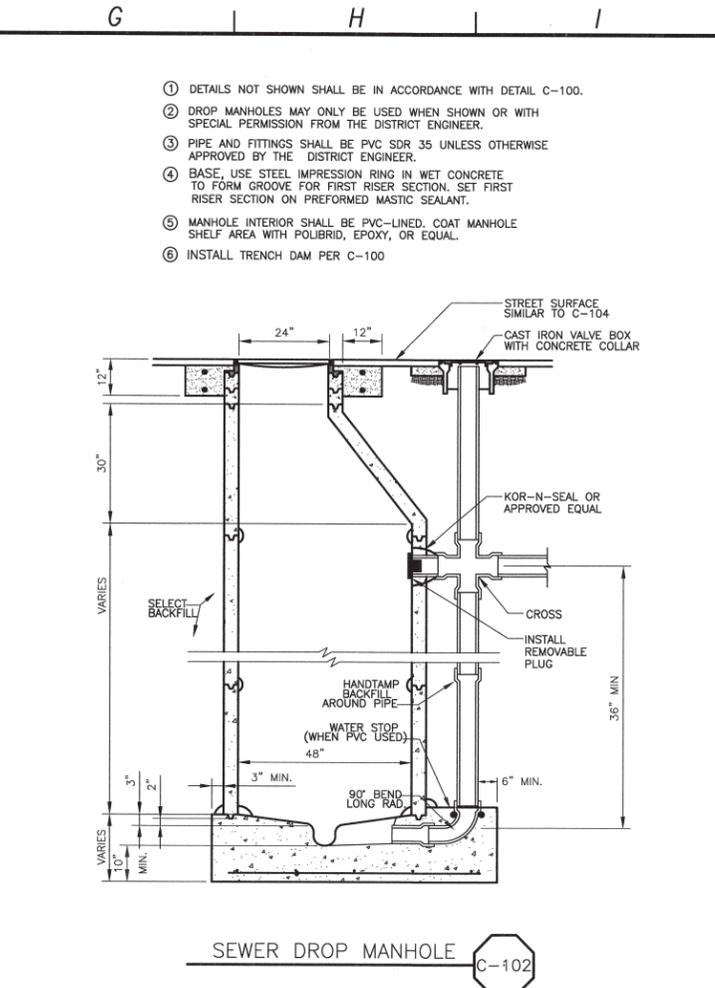
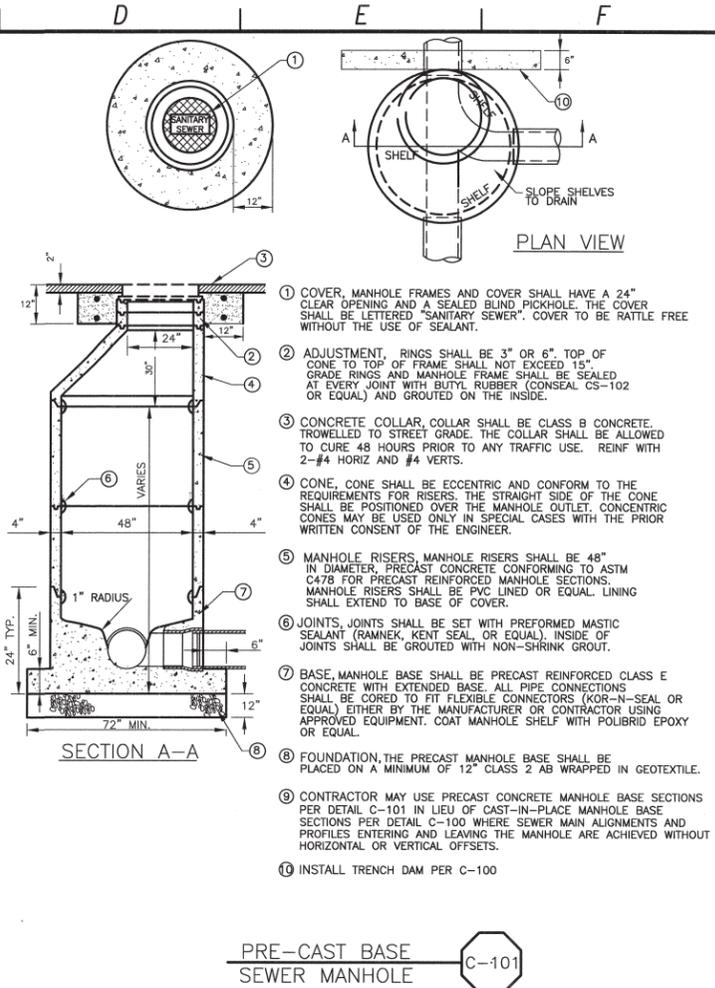
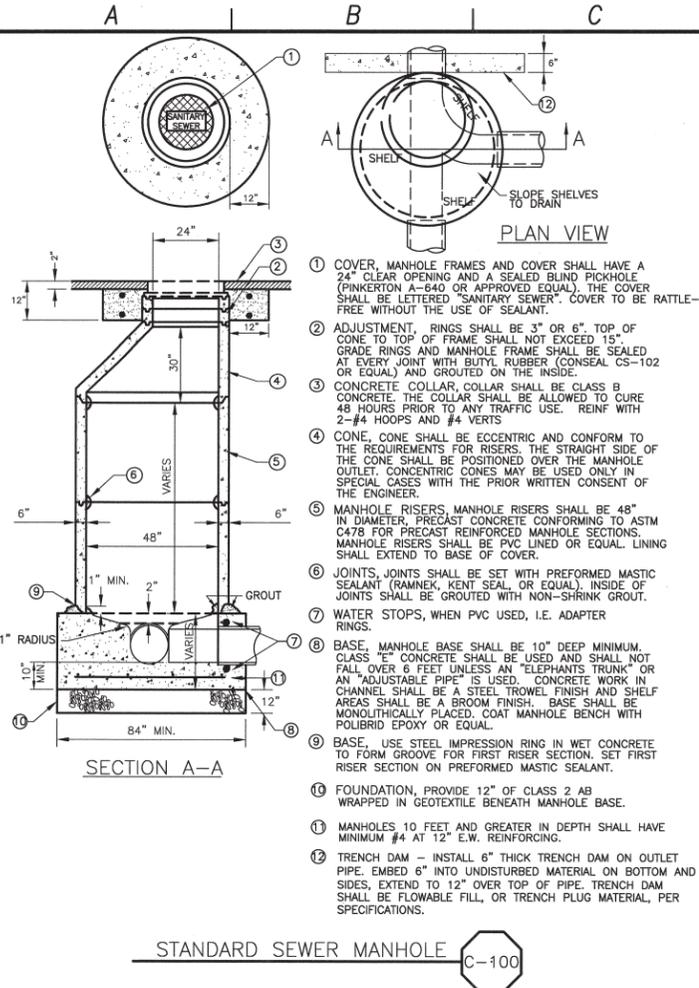


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LOS OSOS WASTEWATER COLLECTION SYSTEM
 AREA C TRAFFIC CONTROL PLAN
 TYPICAL MINOR STREET
 MID-BLOCK ROADWAY CENTER CLOSURE

PROJECT NO. 42502-83120
 FILE NAME: C-TC-16
 SHEET NO.
C-TC-016

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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

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 Tel: (916) 567-9900

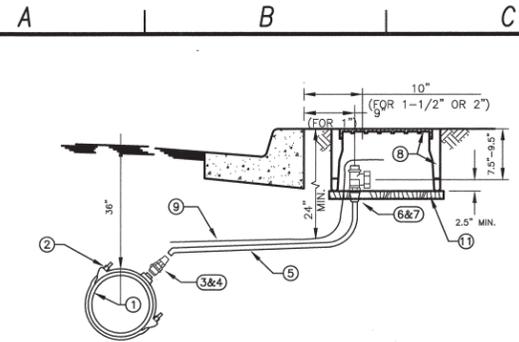
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 CIVIL ENGINEER
 STATE OF CALIFORNIA
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 Exp. 03/31/13

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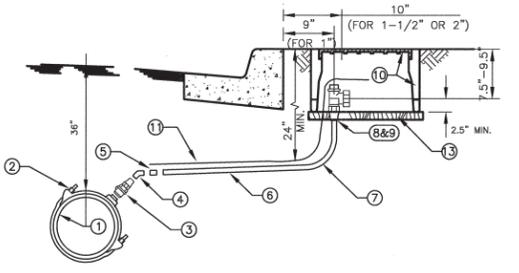
LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL CIVIL STANDARD CIVIL DETAILS - 1
 PROJECT NO. 42502-83120
 FILE NAME: C-GC-060
 SHEET NO. C-GC-060

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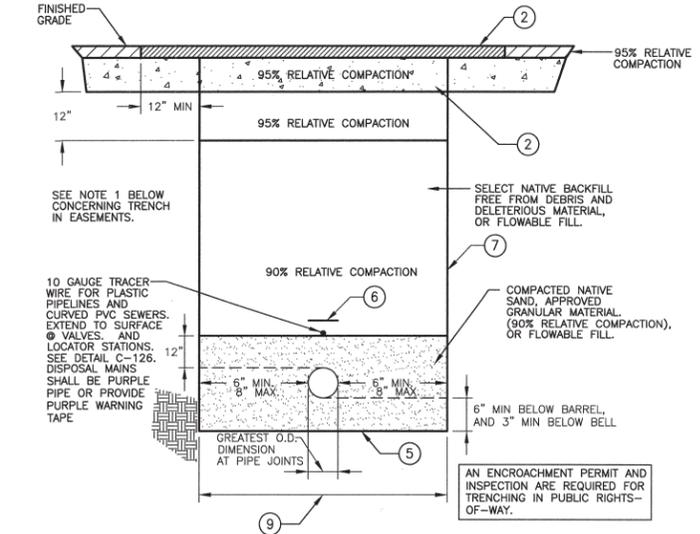
3/4"	
1	WATER MAIN PER PLAN
2	SERVICE SADDLE BRONZE, DOUBLE STRAP, JAMES JONES J-979 FOR AC PIPE, JAMES JONES J-969 FOR PVC PIPE OR APPROVED EQUAL
3	CORPORATION STOP GROUNDKEY: JAMES JONES J-1944, 1" SIZE ONLY, MIP X MIP #41
4	ADAPTER 1" FIP X INSTAITE, MUELLER H15456
5	SERVICE LATERAL 1" POLYETHYLENE ONLY, IPS SIZE, 200 PSI MINIMUM, WESTFLEX GOLD LABEL 3408, DRISCOPIPE, OR APPROVED EQUAL
6	ANGLE METER STOP (BALL TYPE) JAMES JONES J-1527 (1"x1" OR 1"x 3/4")
7	ADAPTER 1" MIP X INSTAIGHT 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



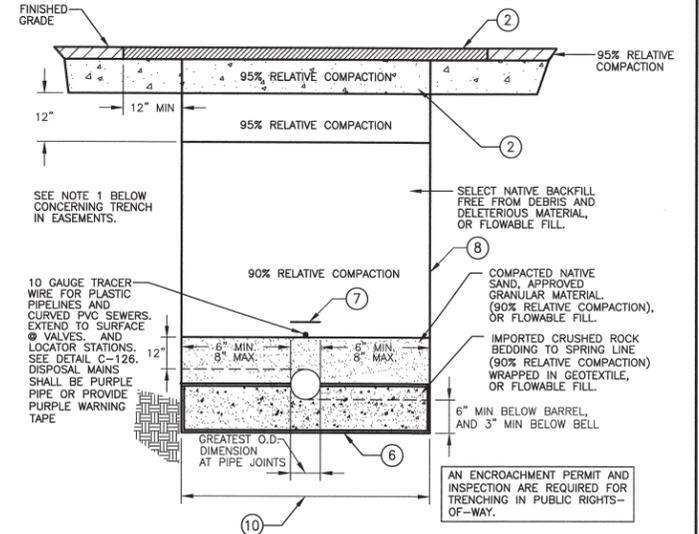
1-1/2"	
1	WATER MAIN PER PLAN
2	SERVICE SADDLE BRONZE, DOUBLE STRAP, JAMES JONES J-979 FOR AC PIPE, JAMES JONES J-969 FOR PVC PIPE OR APPROVED EQUAL
3	CORPORATION STOP BALL VALVE: JAMES JONES J-1943, 2" SIZE ONLY, MIP X MIP
4	BRASS 45° EL 2" 45° ELBOW ONLY
5	ADAPTER FORD 2" PAC COUPLING X MIP
6	SERVICE 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



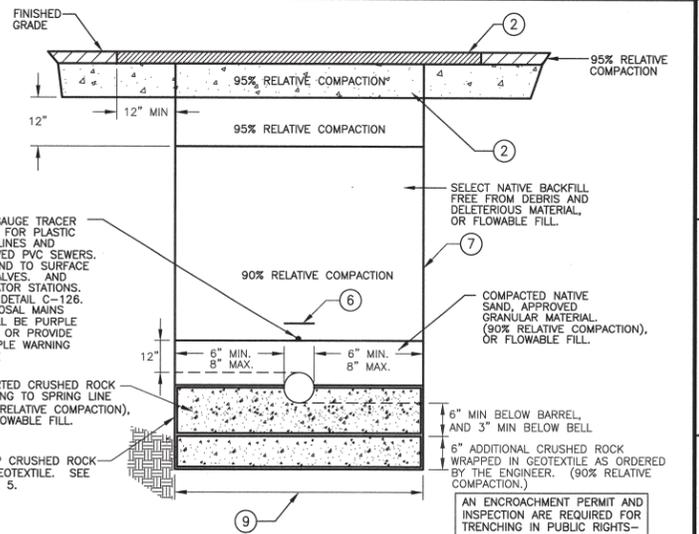
- NOTES:**
- A MINIMUM OF 90% RELATIVE COMPACTION IS PERMITTED IN A NON-ROADWAY TRENCH WHEN NO STRUCTURES ARE TO BE BUILT OVER THE TRENCH. IF STRUCTURES ARE TO BE BUILT OVER THE TRENCH, USE RELATIVE COMPACTIONS SHOWN ON THE TRENCH SECTION ABOVE.
 - PAVEMENT SECTIONS SHALL BE NO LESS THAN EXISTING STRUCTURAL 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



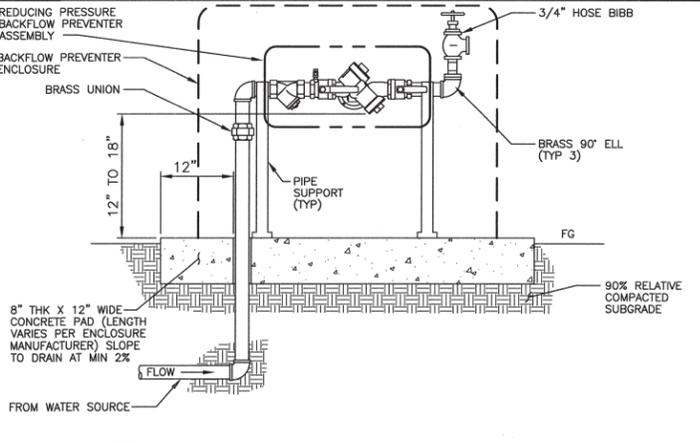
- NOTES:**
- A MINIMUM OF 90% RELATIVE COMPACTION IS PERMITTED IN A NON-ROADWAY TRENCH WHEN NO STRUCTURES ARE TO BE BUILT OVER THE TRENCH. IF STRUCTURES ARE TO BE BUILT OVER THE TRENCH, USE RELATIVE COMPACTIONS SHOWN ON THE TRENCH SECTION ABOVE.
 - PAVEMENT SECTIONS SHALL BE NO LESS THAN EXISTING STRUCTURAL 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 BIB AND ENCLOSURE C-112 NOT TO SCALE

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

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CRITERIA FOR THE SEPARATION OF WATER MAINS AND SANITARY SEWERS

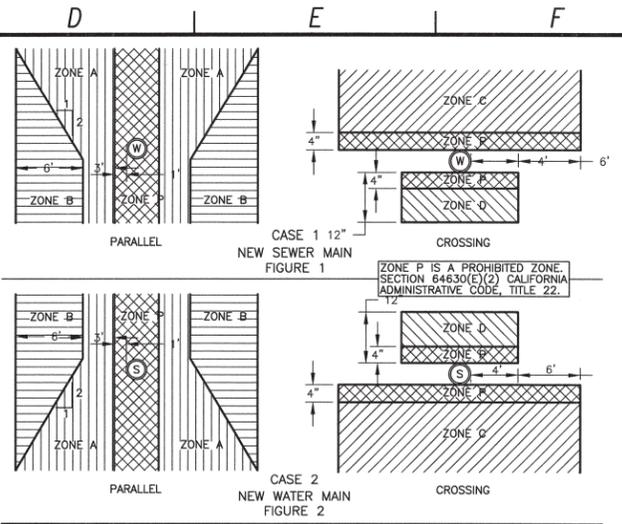
CASE 1
NEW SEWER MAIN BEING INSTALLED
(SEE FIGURE 1)

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 (OR 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 (OR 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 (OR 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

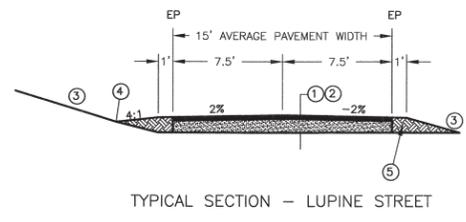
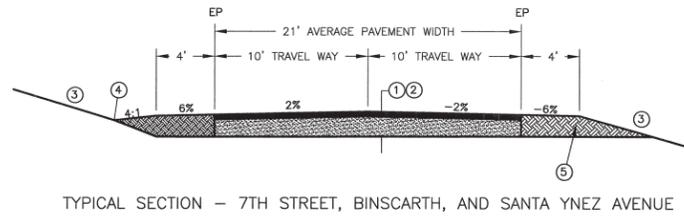
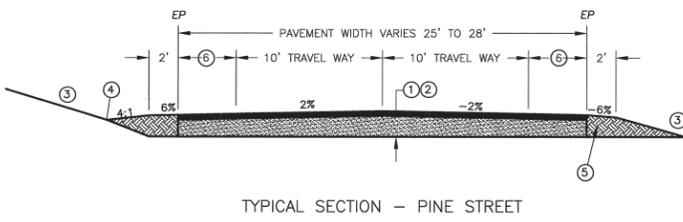
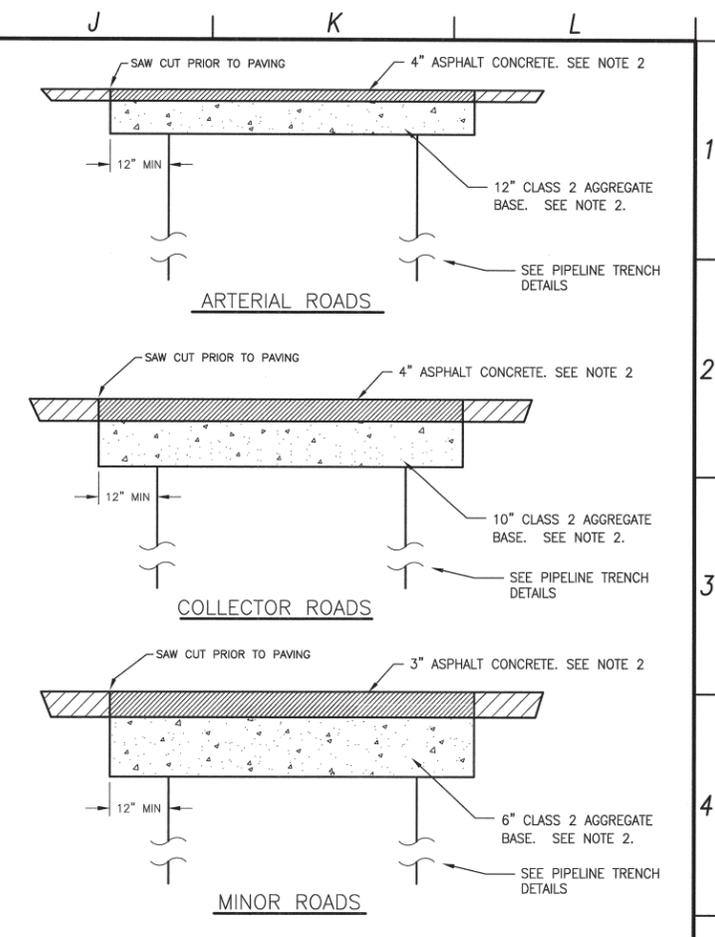
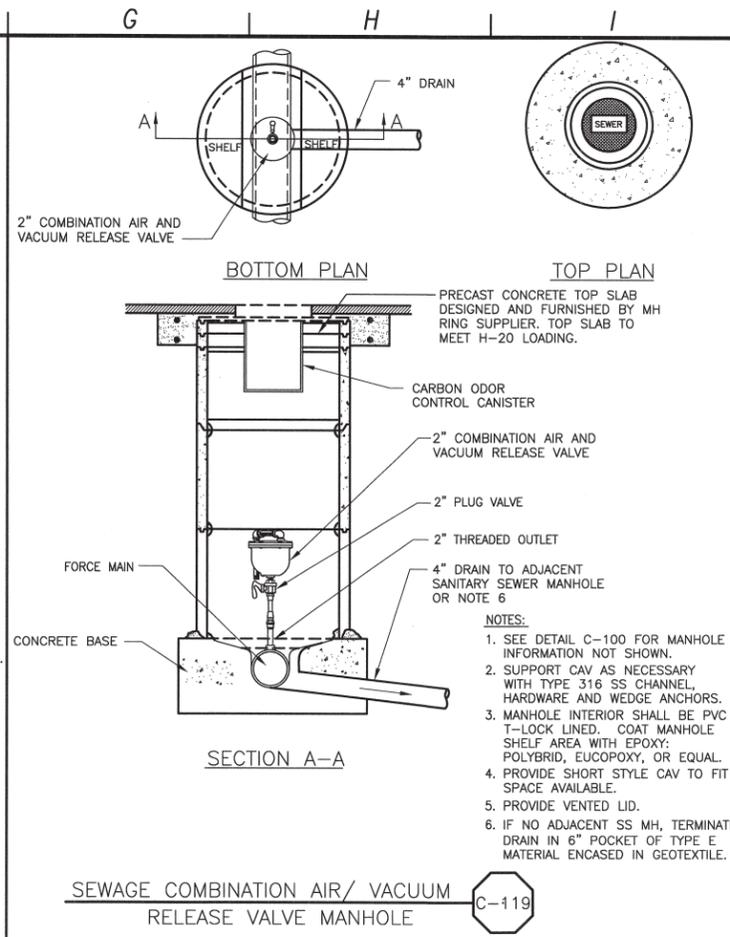


TABLE 1 - ROADS REQUIRING FULL DEPTH RECLAMATION

ROAD NAME	TI	STATION LIMITS OF FULL DEPTH RESTORATION	PULVERIZATION "DRY"	PULVERIZATION "WET"	STATION LIMITS OF "WET" ROAD
BINSCARTH AVE.	6	1+25 (AT PECHO RD) 27+40 (AT BRODERSON AVE)		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" 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

TYPICAL FULL DEPTH ROAD RECLAMATION C-120A

- NOTES:
- 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.
 - 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.
 - CUT AND FILL SLOPE SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL OR 3H:1V IN SAND.
 - 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.
 - LIMITS OF PULVERIZATION SHALL EXTEND TO THE EDGE OF EXISTING ROAD PAVEMENT. PERFORM MINOR GRADING ON SHOULDERS TO ALLOW FOR DRAINAGE PER THE SECTION DETAILS OR AS DIRECTED BY ENGINEER.
 - WIDTH VARIES UP TO 4'

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) BINSCARTH ROAD PECHO ROAD BAYVIEW HEIGHTS DRIVE	ALL OTHER ROADS WITHIN PROJECT AREA

- NOTES:
- MINIMUM ASPHALT CONCRETE THICKNESS SHALL BE 3".
 - MATCH EXISTING ASPHALT CONCRETE AND AGGREGATE BASE THICKNESS IF THICKER.
 - ASPHALT CONCRETE SHALL BE PER SPECIFICATIONS.
 - 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.
 - PROVIDE AND MAINTAIN TEMPORARY PAVEMENT UNTIL PERMANENT PAVEMENT IS INSTALLED.
 - SEE DETAIL C-120A REGARDING ROADS REQUIRING FULL DEPTH RECLAMATION.

TRENCH PATCH PAVEMENT RESTORATION STRUCTURAL SECTION C-120

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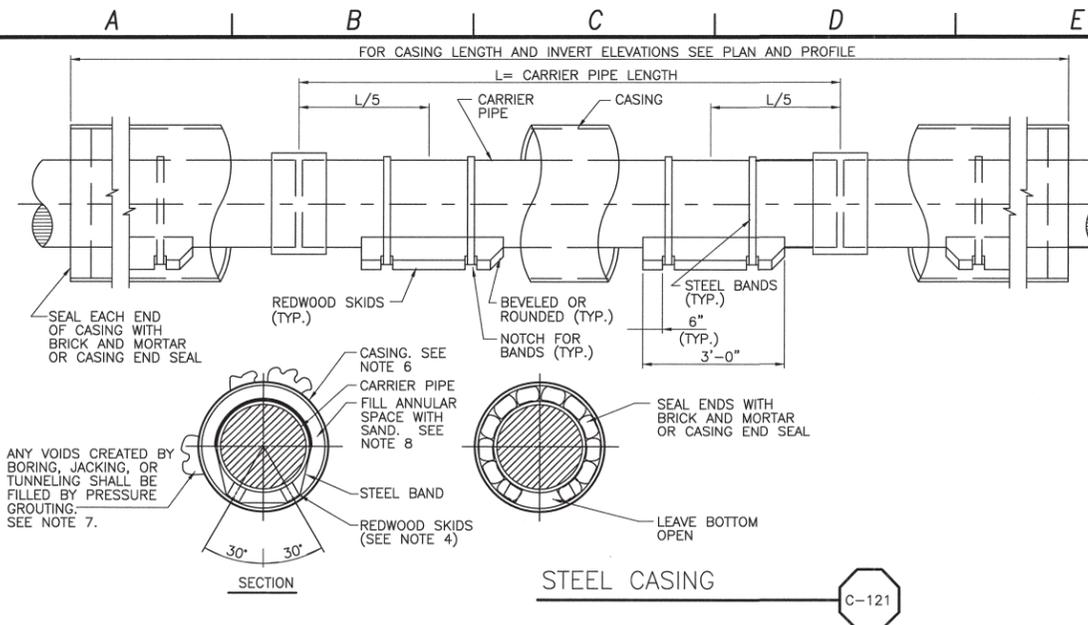
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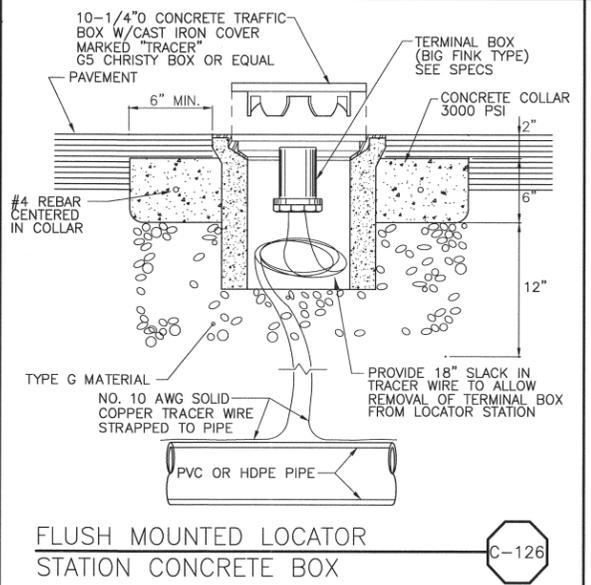
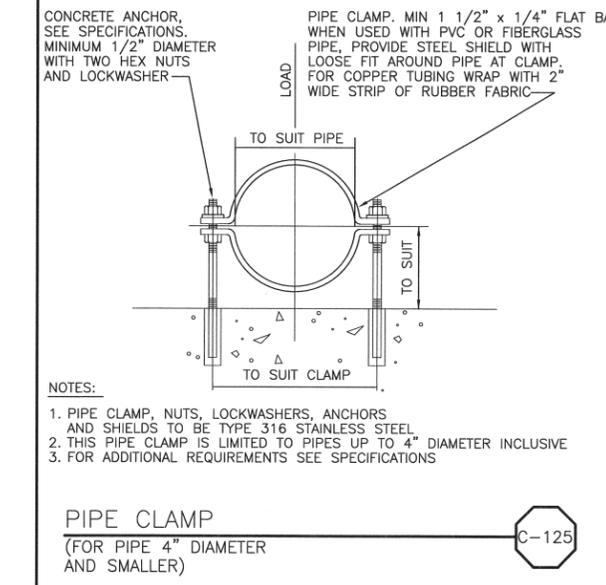
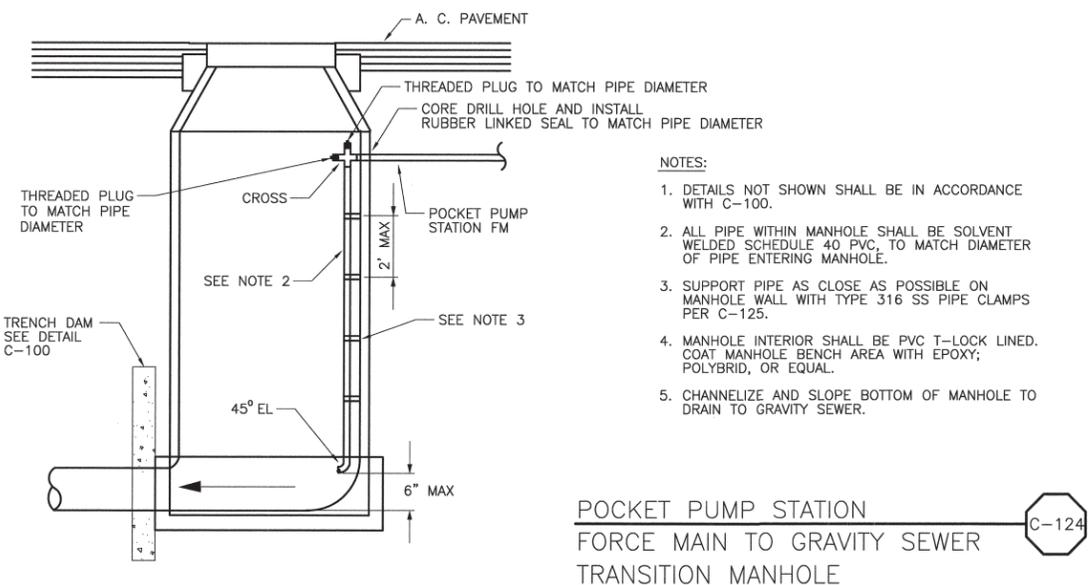
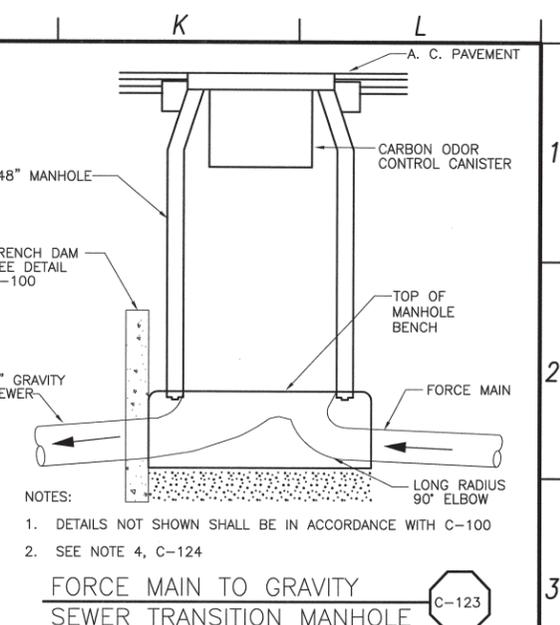
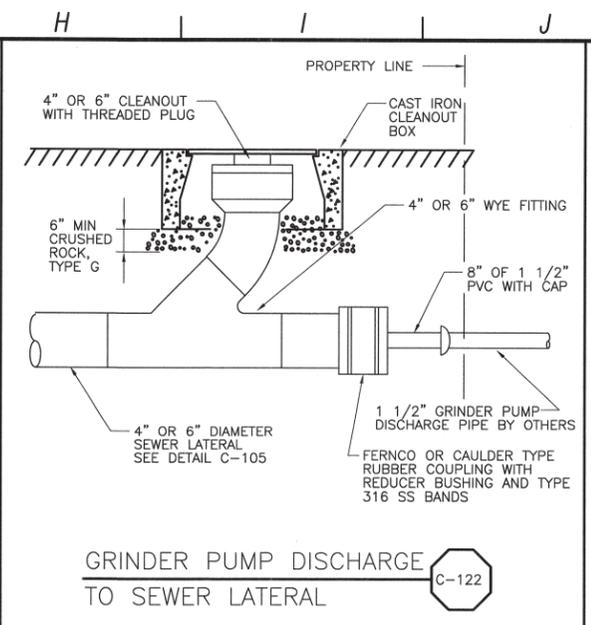
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SHEET NO.
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- NOTES:**
- CASING SHALL BE SMOOTH PIPE.
 - CARRIER PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - CARRIER PIPE SHALL BE TESTED BEFORE SEALING ENDS OF PIPE.
 - SKIDS SHALL 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.

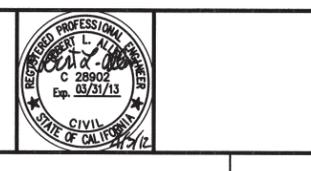
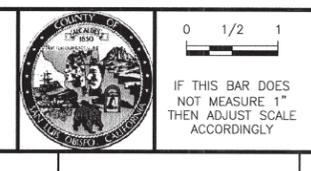
CASING SIZE	CASING WALL THICKNESS (a)	SKID SIZE
20", 22"	1/2" MIN	4" x 4"
24"	1/2" MIN	4" x 4"
26"	1/2" MIN	4" x 4"
30"	1/2" MIN	4" x 4"
34"	1/2" MIN	4" x 4"
40"	5/8" MIN	6" x 6"
44"	5/8" MIN	6" x 6"



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 DRAWN BY: JAW
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 DATE: APRIL, 2012

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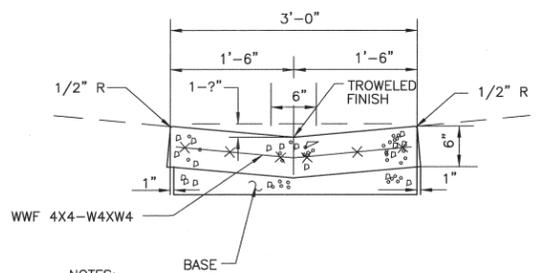


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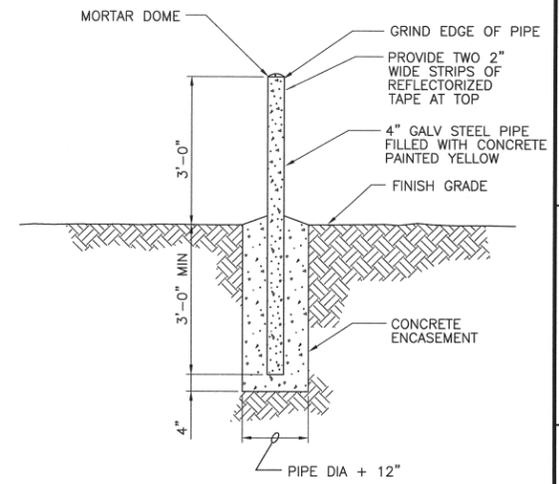
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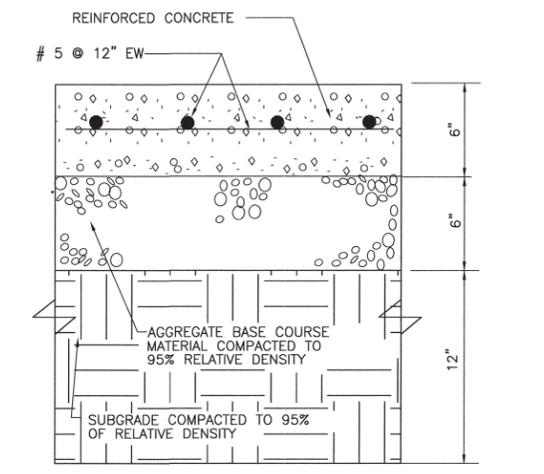


- NOTES:**
1. EXPANSION JOINTS OF 1/2" PREMOLDED JOINT FILLER SHALL BE PLACED 50 FOOT SPACING AND WHERE GUTTER BUTTS OTHER CONCRETE STRUCTURES.
 2. BASE AND SUBGRADE PREPARATION SHALL MATCH ADJACENT PAVING.
 3. FOR PATCHING EXISTING GUTTERS, 24" CUT BACK MINIMUM.

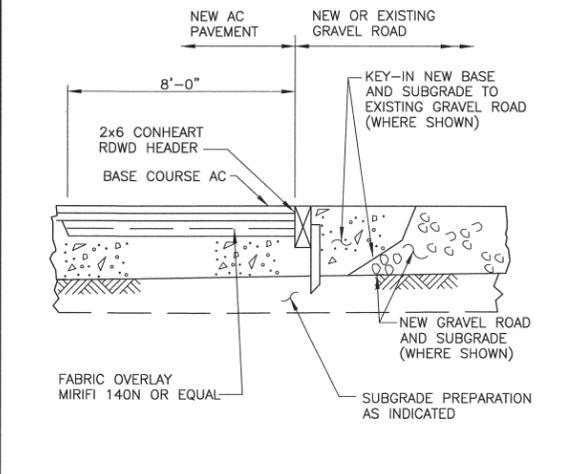
CONCRETE CROSS GUTTER
NOT TO SCALE C-127



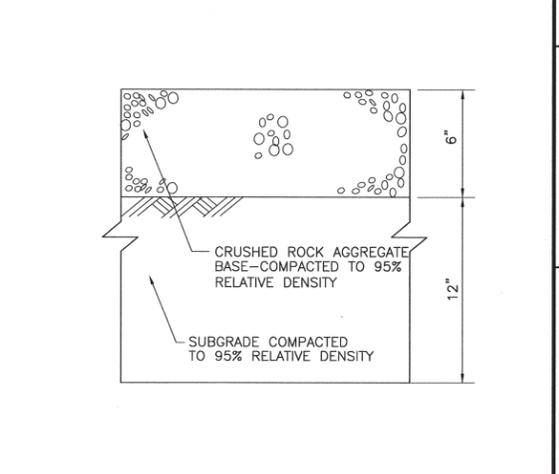
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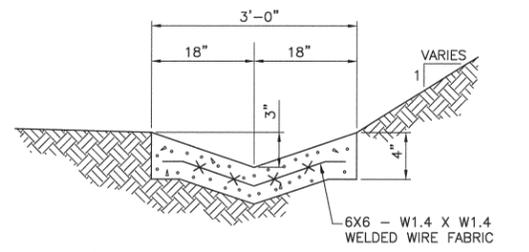
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NOT TO SCALE C-131



AC PAVEMENT-GRAVEL TRANSITION
NOT TO SCALE C-141

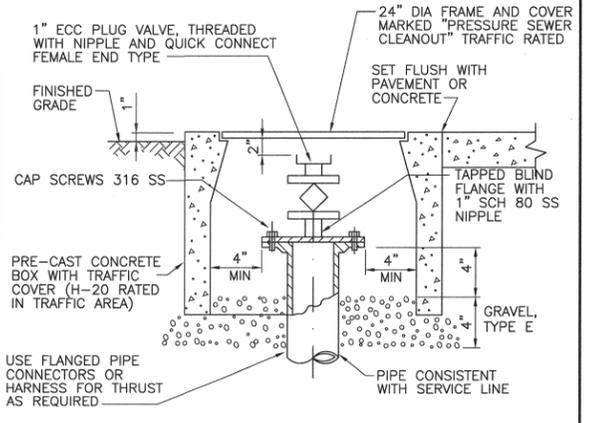


GRAVEL PAVING
NOT TO SCALE C-144



- 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

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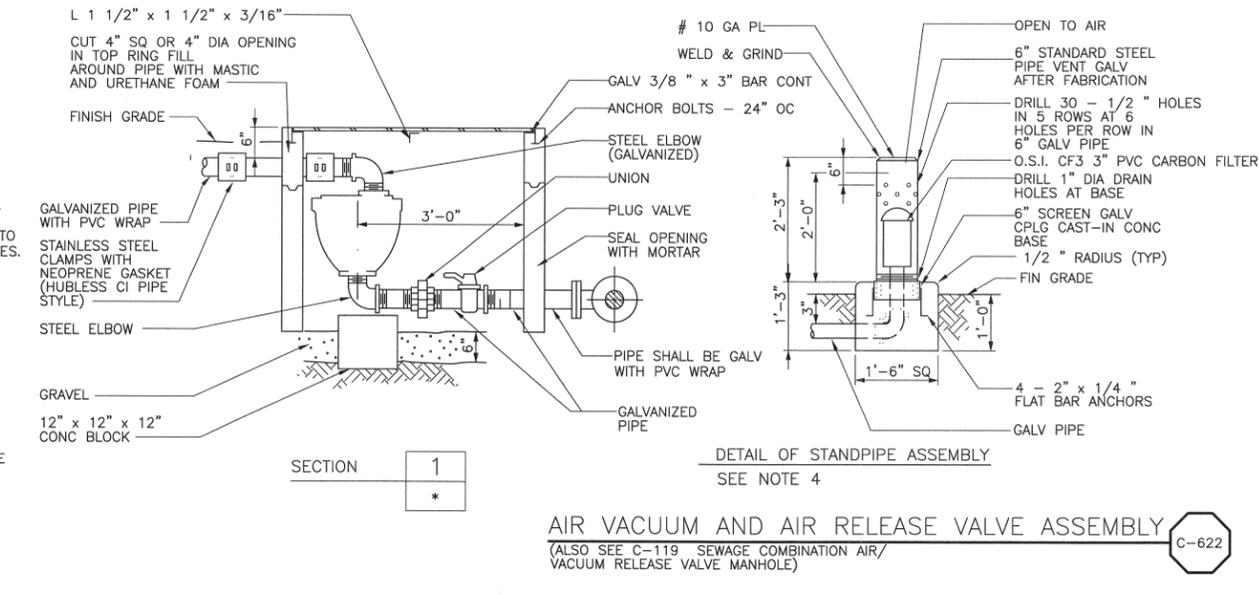
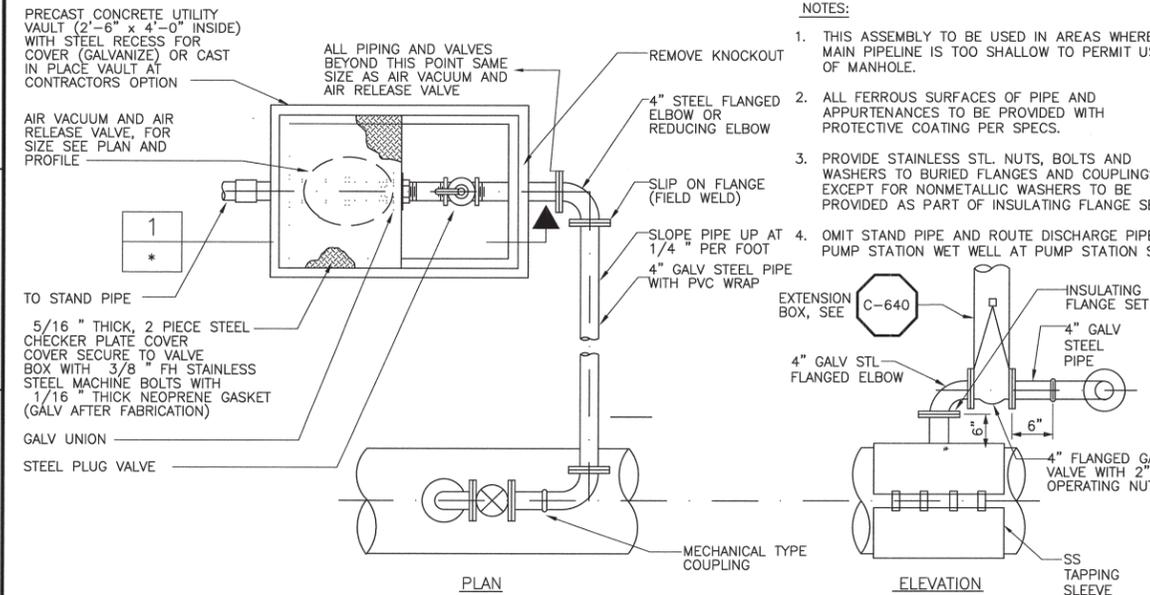
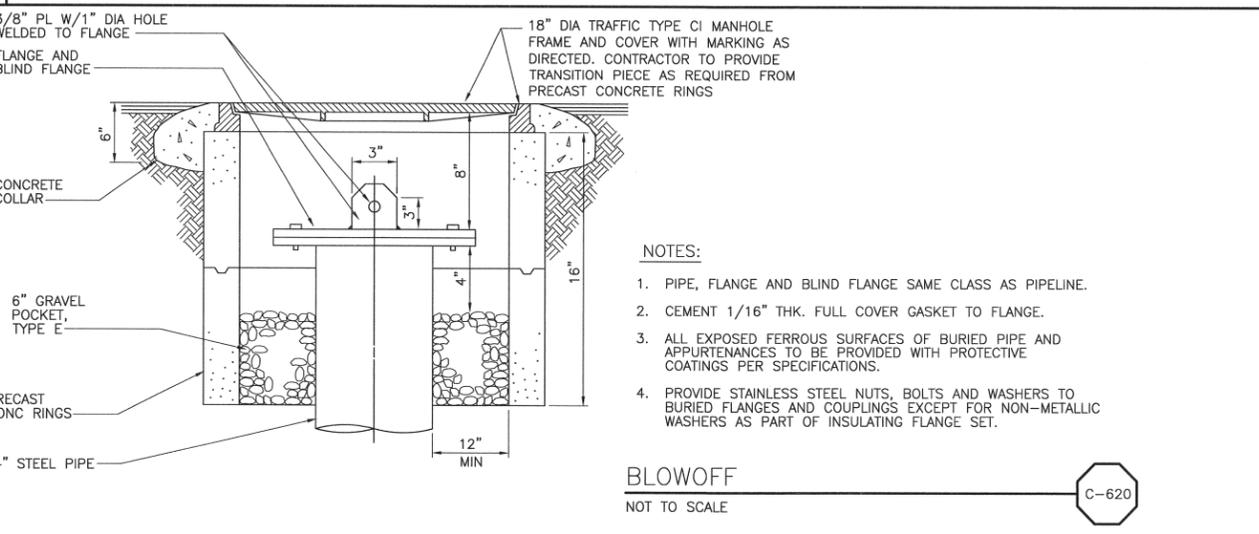
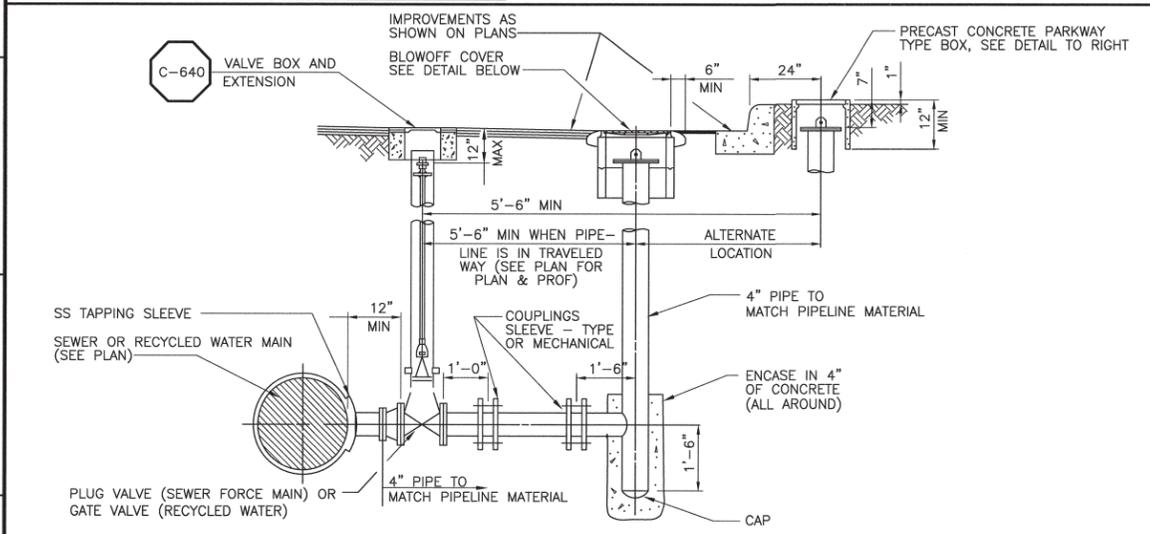
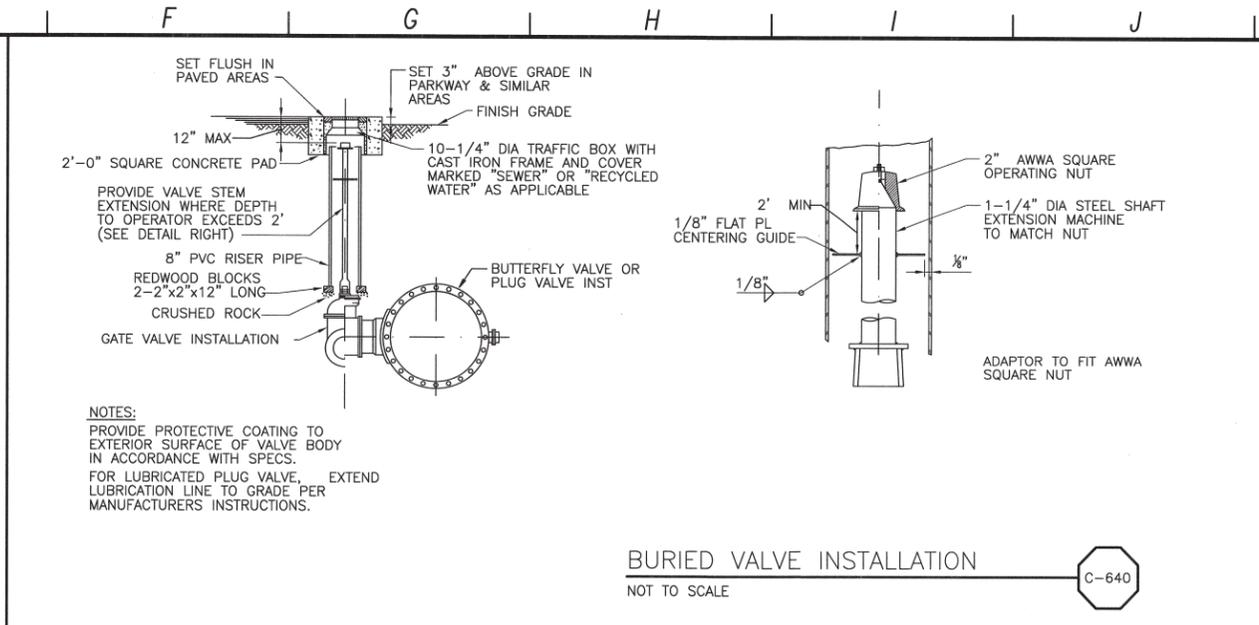
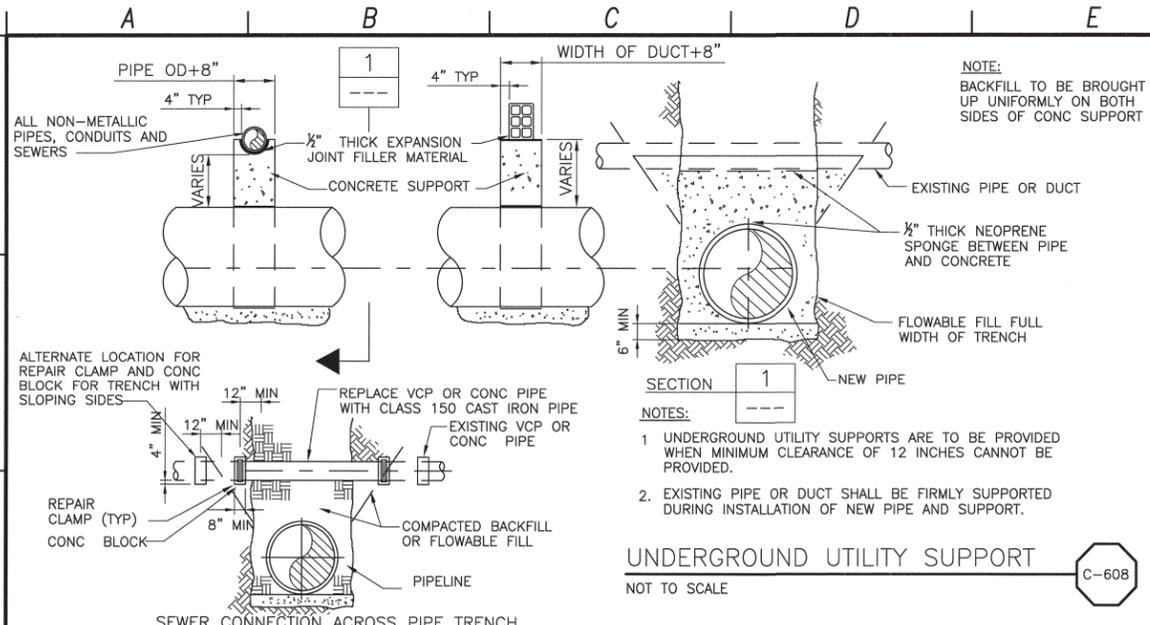
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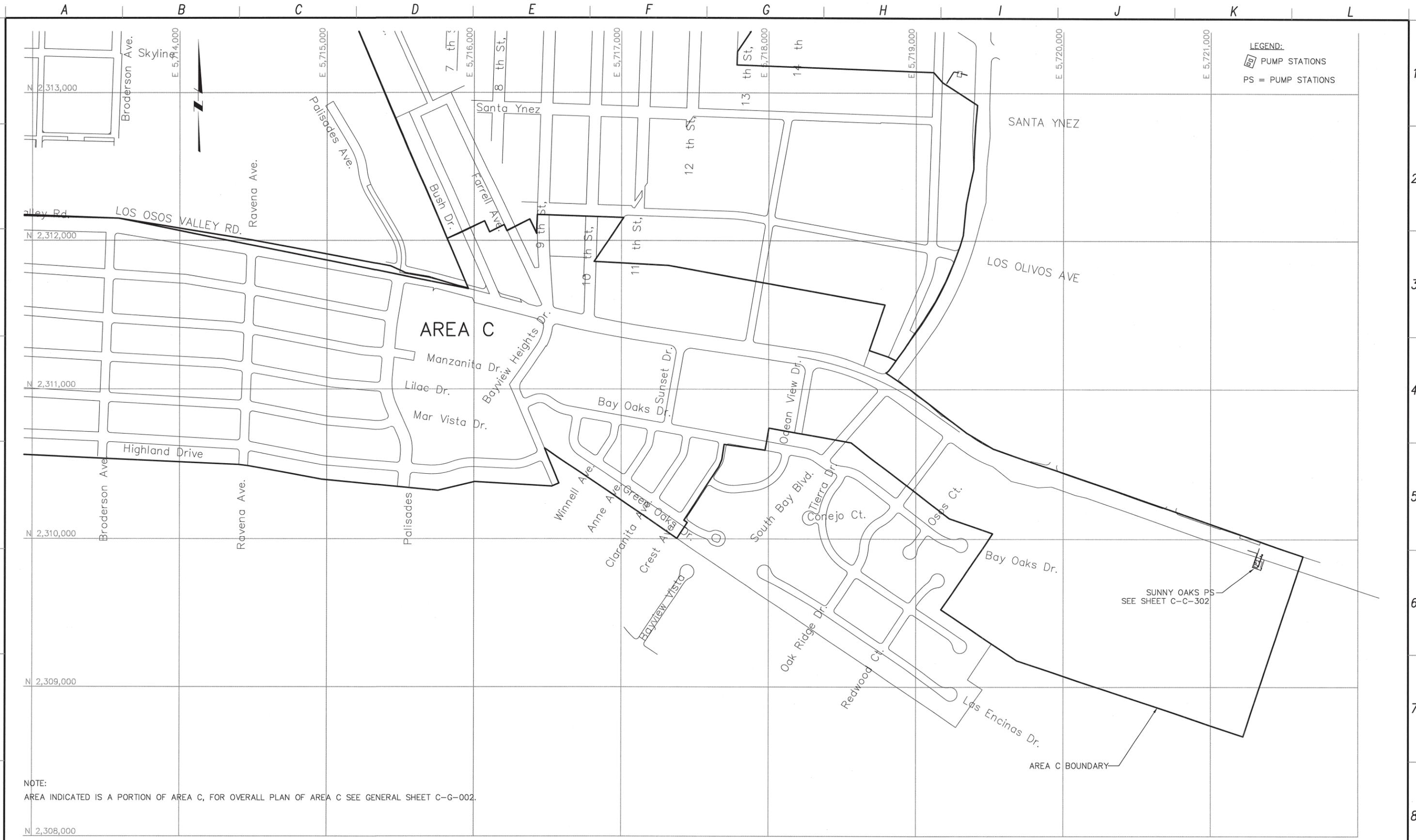
PROFESSIONAL SEAL
 C 28902
 Exp. 03/31/13
 CIVIL
 DATE OF CALIFORNIA REGISTRATION: 12/12

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

LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL CIVIL STANDARD CIVIL DETAILS - 6

PROJECT NO. 42502-B3120
 FILE NAME: C-GC-065
 SHEET NO.
C-GC-065

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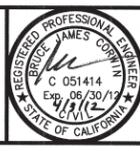
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: MPH
 DRAWN BY: JAW
 CHECKED BY: CCA
 DATE: APRIL 2012

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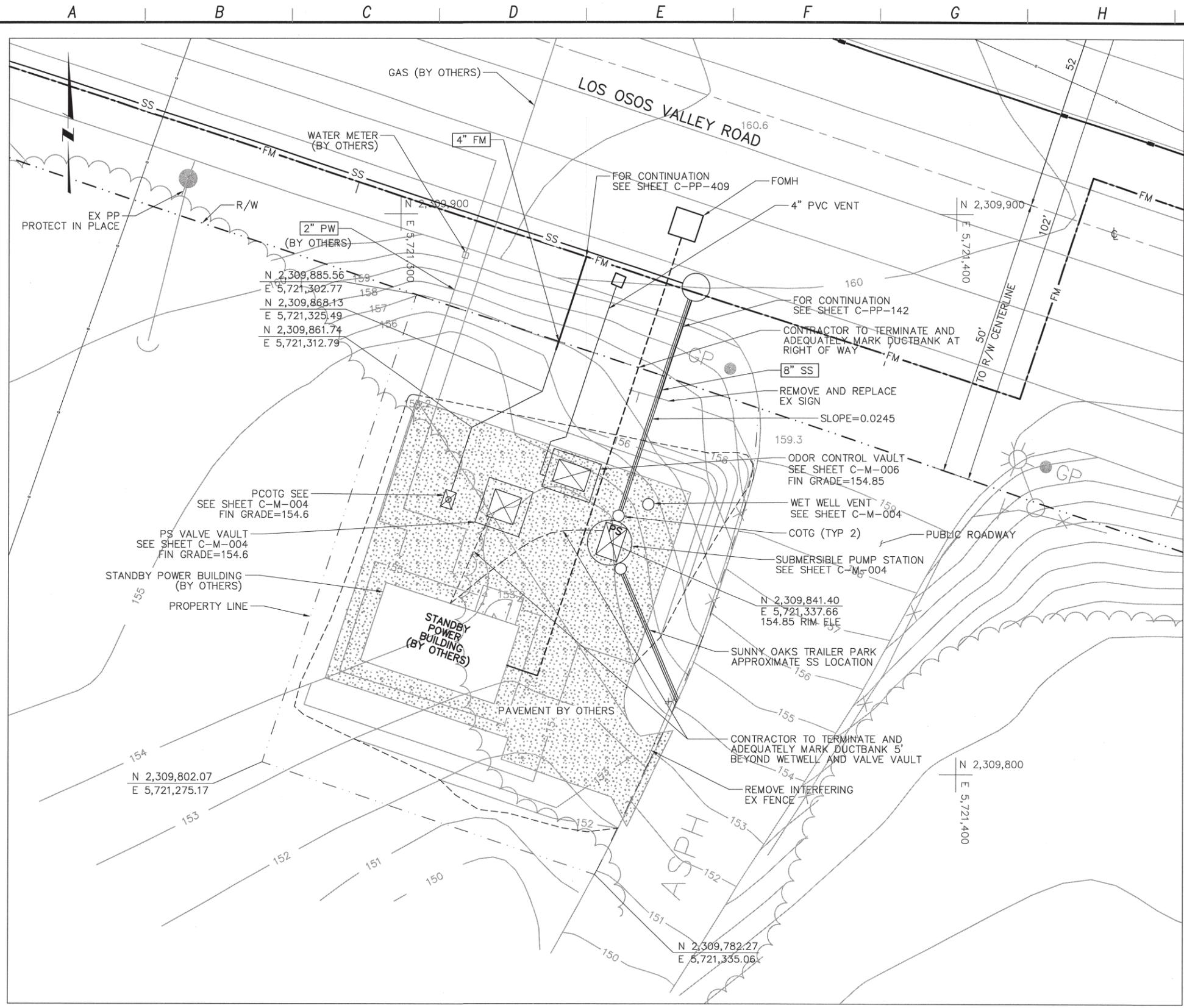


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LOS OSOS WASTEWATER COLLECTION SYSTEM
CIVIL AREA C KEY PLAN

PROJECT NO. 42502-83120
 FILE NAME: C-C-301
 SHEET NO.
C-C-301

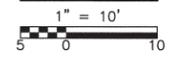
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- NOTES:**
1. LIDS AND VAULTS TO BE TRAFFIC RATED FOR H-20 LOADING
 2. COORDINATE ELECTRICAL DUCTBANK DEPTH AND LOCATION BEFORE INSTALLATION OF PROCESS PIPING. SEE SHEET C-PP-409.
 3. CONTRACTOR SHALL NOTIFY SUNNY OAKS MOBILE HOME PARK AT LEAST 30 DAYS IN ADVANCE BY US MAIL OF ANY CONSTRUCTION ACTIVITIES AT THE SUNNY OAKS PS SITE. CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER TO MAINTAIN DRIVEWAY INGRESS AND EGRESS TO THE MOBILE HOME PARK AT ALL TIMES. THE CONTRACTORS ACCESS TO THE SITE SHALL BE DEVELOPED FROM LOS OSOS VALLEY ROAD AND SHALL NOT UTILIZE THE MOBILE HOME PARK DRIVEWAY.
 4. CONTRACTOR MAY TEMPORARILY REMOVE THE SUNNY OAKS MOBILE HOME PARK ENTRANCE SIGN AND ASSOCIATED LIGHTING FOR THE DURATION OF CONSTRUCTION ACTIVITIES. IF REMOVED, THE SIGN AND LIGHTING SHALL BE RESTORED TO ORIGINAL CONDITION AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED.
 5. ALL SURFACE IMPROVEMENTS SHOWN HERE NOT ASSOCIATED WITH BURIED PUMP STATION AND VALVE VAULT (AND NOT SHOWN ON C-M-004) ARE TO BE CONSTRUCTED BY OTHERS AND ARE ONLY SHOWN FOR REFERENCE.
 6. REFER TO SHEET C-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG PIPELINE.

SUNNY OAKS PUMP STATION

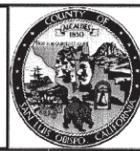
PLAN



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 CHECKED BY: _____ CCA
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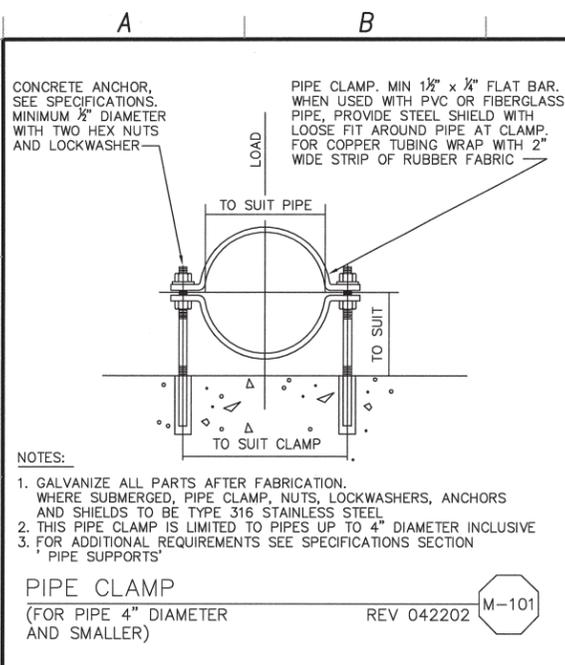


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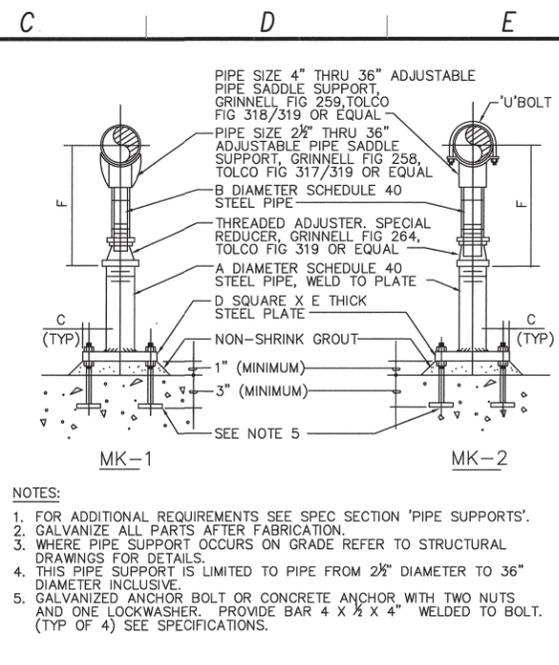
LOS OSOS WASTEWATER COLLECTION SYSTEM
CIVIL
SUNNY OAKS PS & STANDBY POWER SITE PLAN

PROJECT NO. 42502-83120
 FILE NAME: C-C-302
 SHEET NO.
C-C-302

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

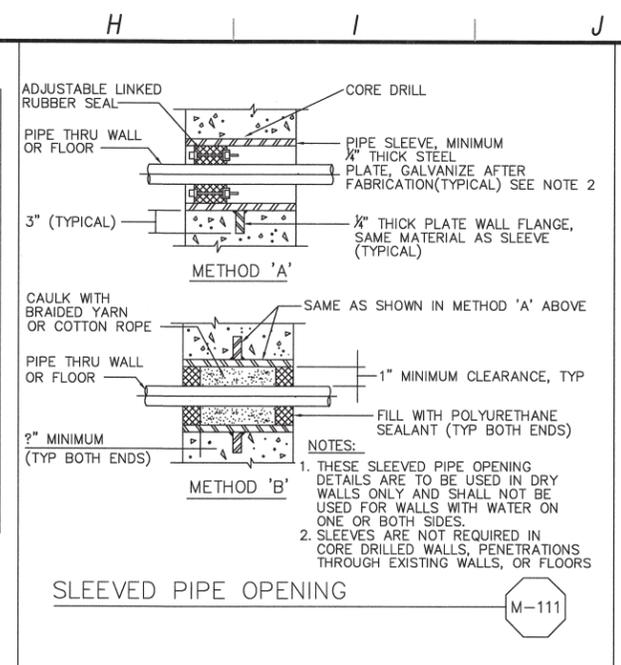


ADJUSTABLE PIPE SUPPORT WITH OR WITHOUT 'U' BOLT
(FOR PIPE 36" DIAMETER AND SMALLER)
REV 011402

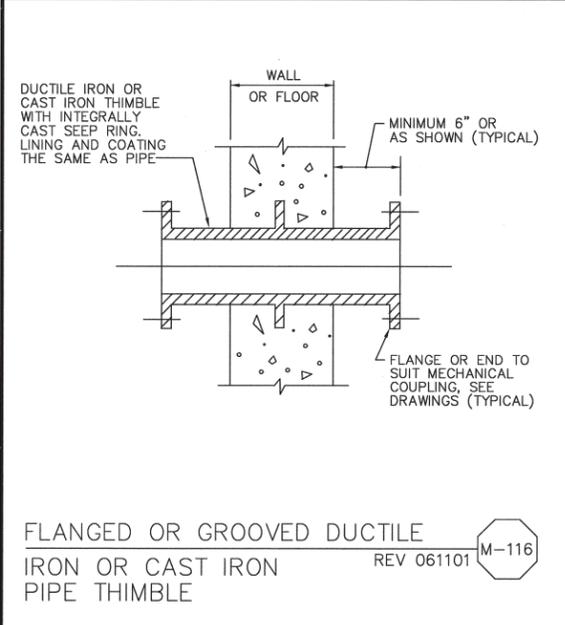
DIMENSIONS IN INCHES

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 3/8	11 3/8
3 1/2	2	1 1/2	1	6	3/8	7 3/8	12 3/8
4	3	2 1/2	1 1/2	7 1/2	1/2	10 1/4	14 3/4
6	3	2 1/2	1 1/2	7 1/2	1/2	11 3/8	16 3/8
8	3	2 1/2	1 1/2	7 1/2	1/2	13 3/8	18 3/8
10	3	2 1/2	1 1/2	7 1/2	1/2	14 3/8	19 3/8
12	3	2 1/2	1 1/2	7 1/2	1/2	15 3/8	20 3/8
14	4	3	1 1/2	9	5/8	18 3/8	23 3/8
16	4	3	1 1/2	9	5/8	19 3/8	24 3/8
18	6	4	1 1/2	11	3/4	22 3/8	26 3/8
20	6	4	1 1/2	11	3/4	23 3/8	27 3/8
24	6	4	1 1/2	11	3/4	26 3/8	31
30	6	4	1 1/2	11	3/4	29 3/8	34 3/8
32	6	4	1 1/2	11	3/4	30 3/8	35 3/8
36	6	4	1 1/2	11	3/4	32 3/8	37 3/8

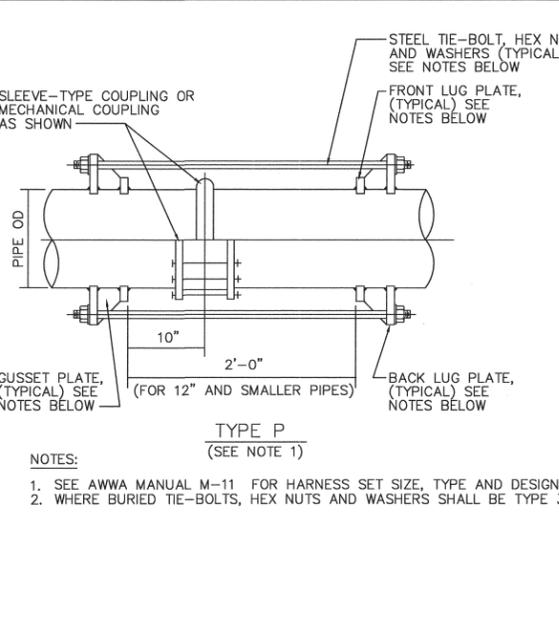
* SEE MANUFACTURER



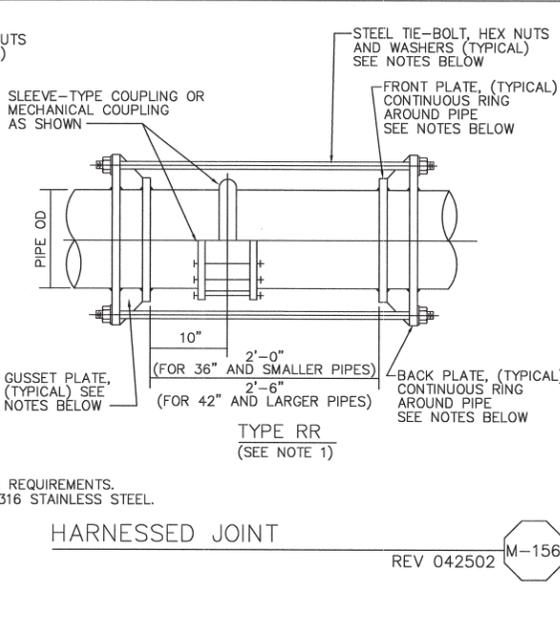
SLEEVED PIPE OPENING
REV 011602



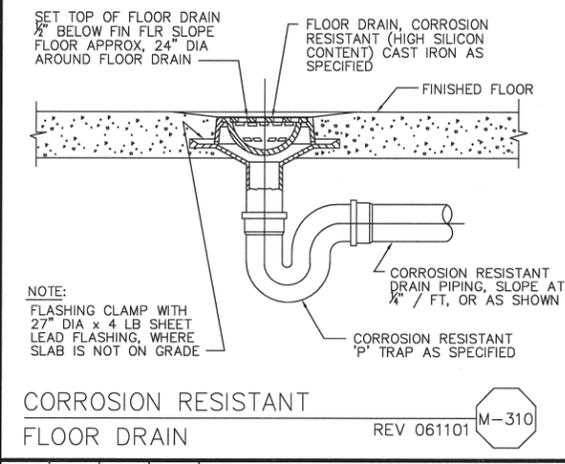
FLANGED OR GROOVED DUCTILE IRON OR CAST IRON PIPE THIMBLE
REV 061101



HARNESSED JOINT
REV 042502



CLEANOUT TO GRADE
REV 011602



CORROSION RESISTANT FLOOR DRAIN
REV 061101

REV. NO.	DATE	DRWN	CHKD	REMARKS

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

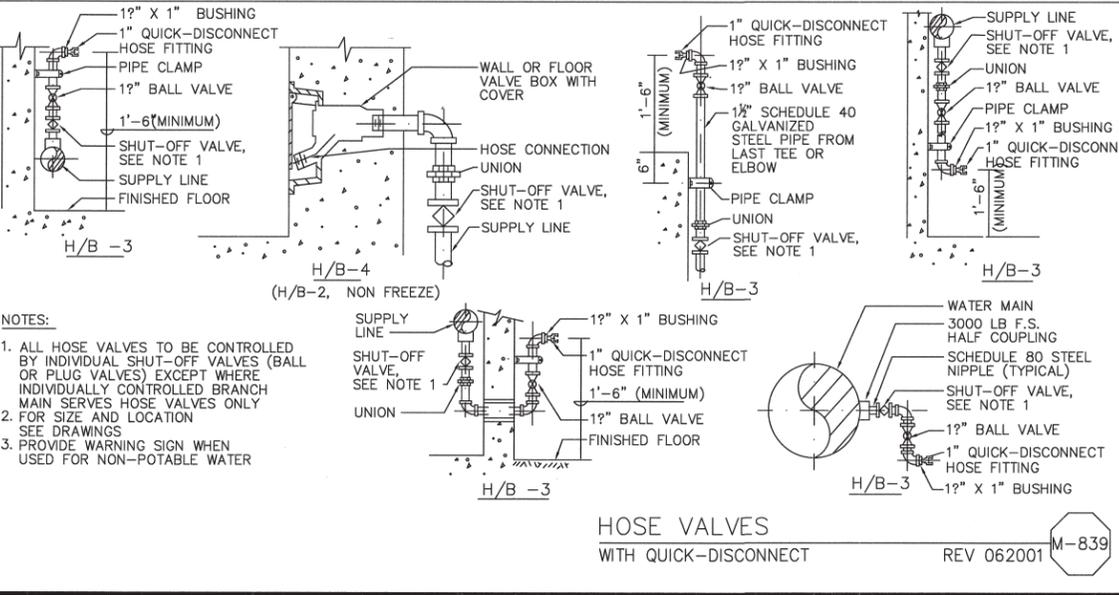
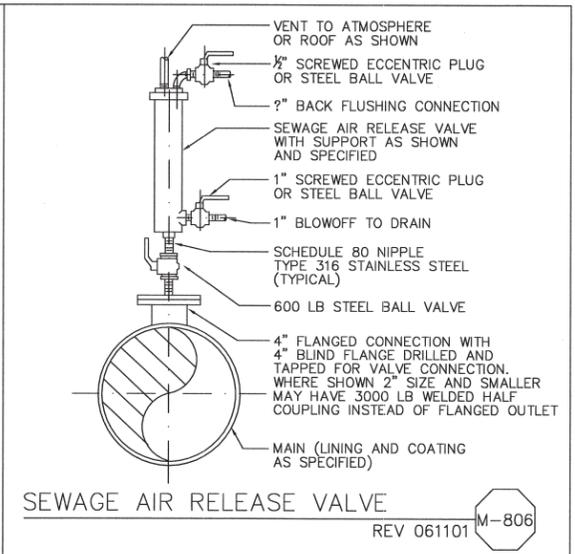
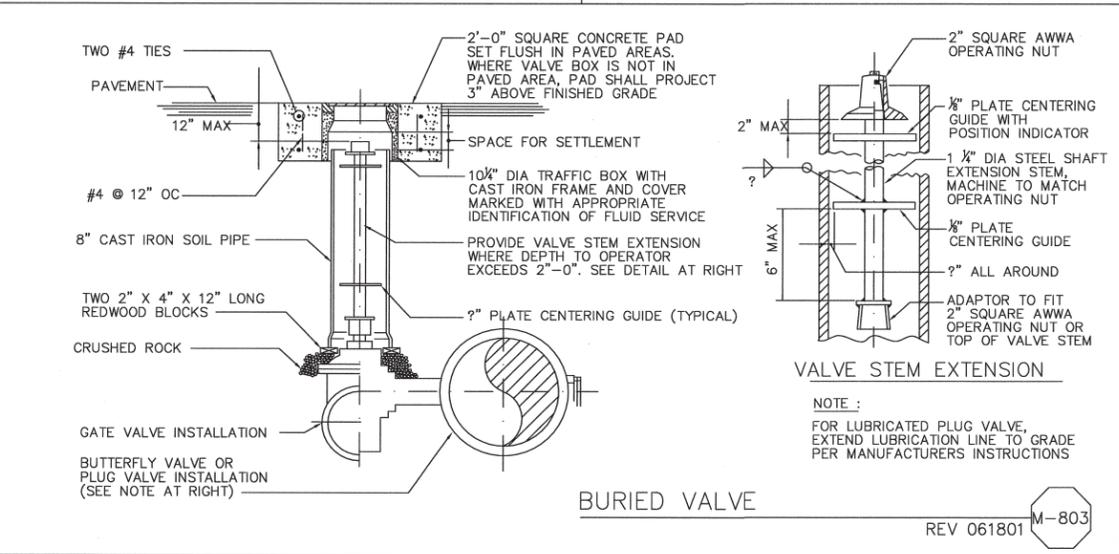
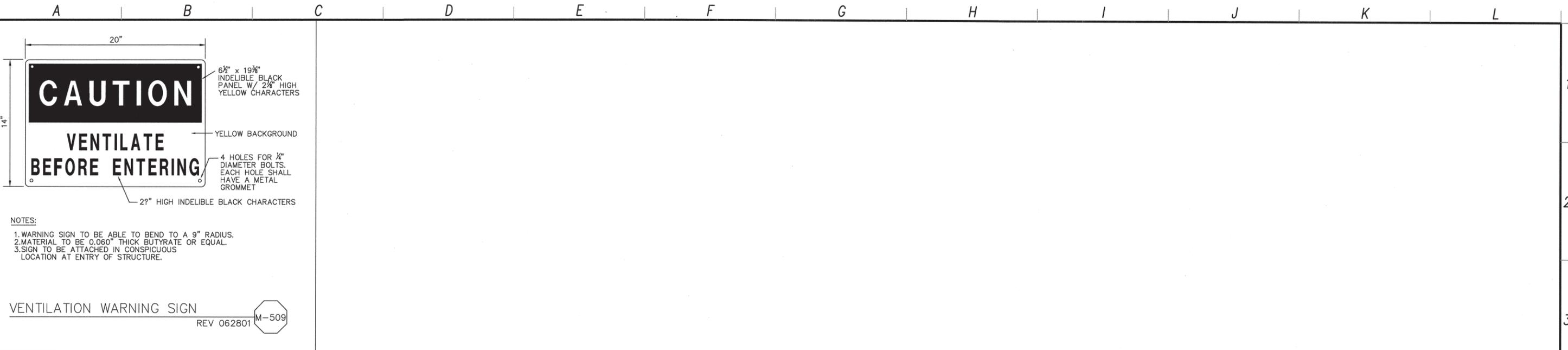
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LOS OSOS WASTEWATER COLLECTION SYSTEM
MECHANICAL STANDARD DETAILS - 1
 PROJECT NO. 42502-83120
 FILE NAME: C-M-001
 SHEET NO.
C-M-001

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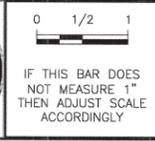


- NOTES:**
- ALL HOSE VALVES TO BE CONTROLLED BY INDIVIDUAL SHUT-OFF VALVES (BALL OR PLUG VALVES) EXCEPT WHERE INDIVIDUALLY CONTROLLED BRANCH MAIN SERVES HOSE VALVES ONLY. SEE DRAWINGS FOR SIZE AND LOCATION.
 - PROVIDE WARNING SIGN WHEN USED FOR NON-POTABLE WATER.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: ALP
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 DATE: APRIL 2012

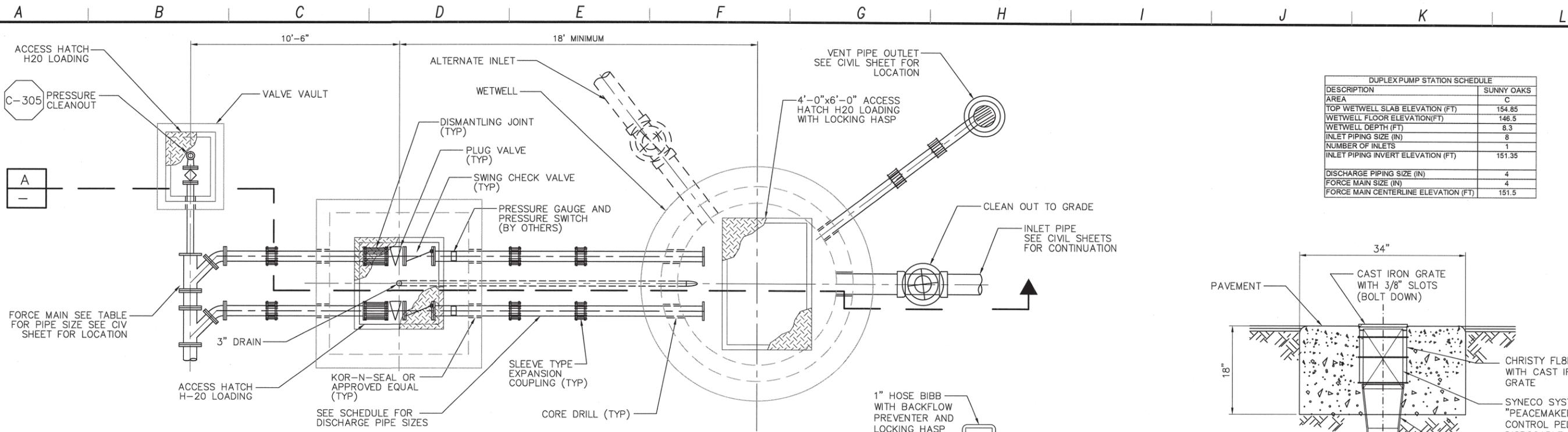
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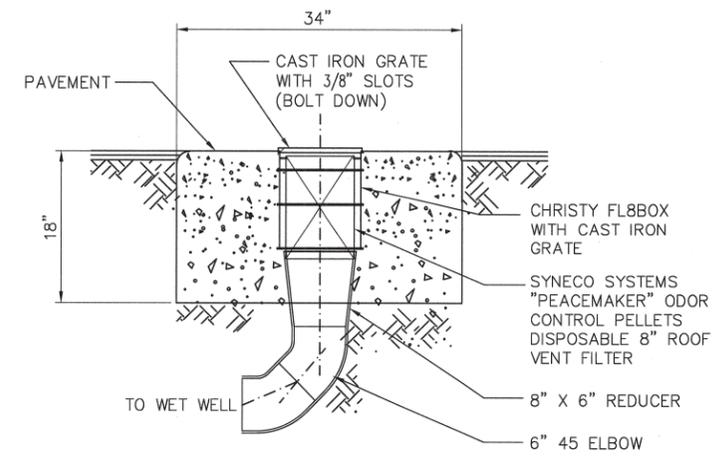
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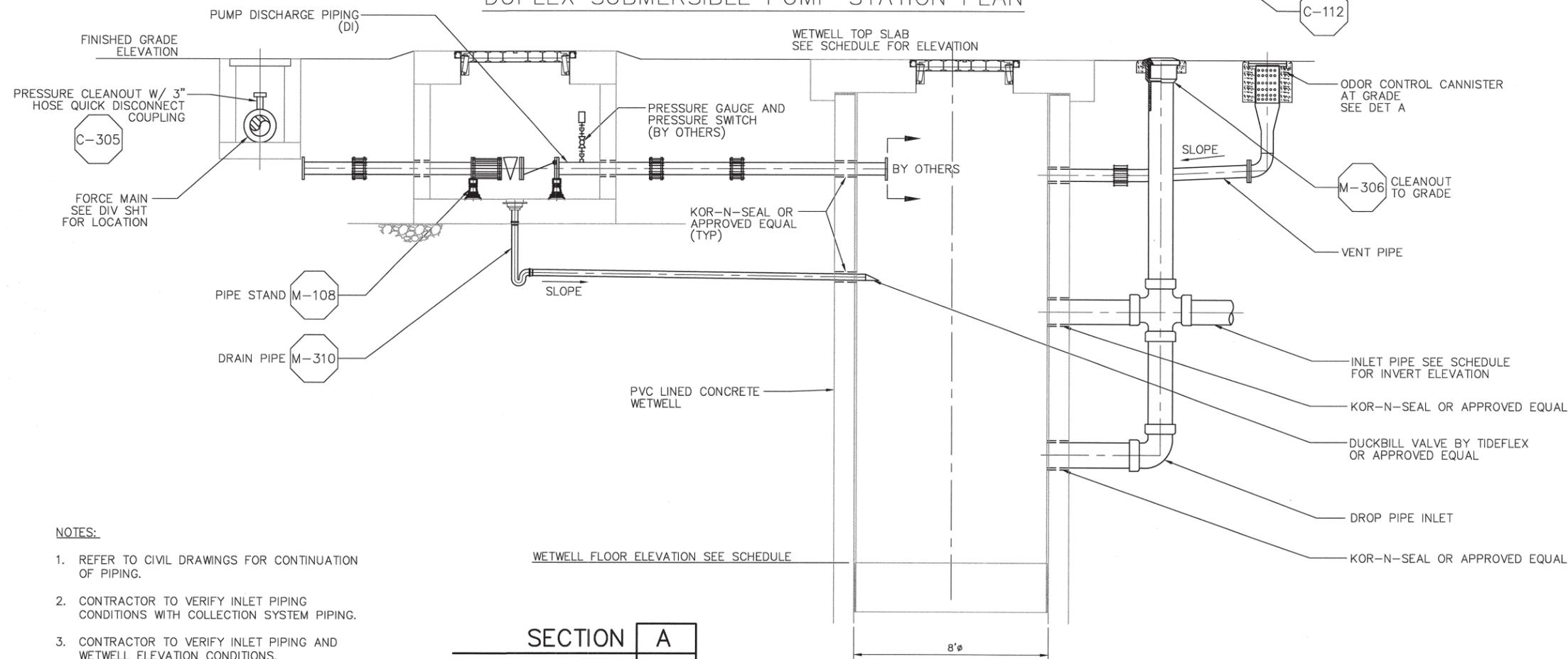


DUPLEX PUMP STATION SCHEDULE	
DESCRIPTION	SUNNY OAKS
AREA	C
TOP WETWELL SLAB ELEVATION (FT)	154.85
WETWELL FLOOR ELEVATION (FT)	146.5
WETWELL DEPTH (FT)	8.3
INLET PIPING SIZE (IN)	8
NUMBER OF INLETS	1
INLET PIPING INVERT ELEVATION (FT)	151.35
DISCHARGE PIPING SIZE (IN)	4
FORCE MAIN SIZE (IN)	4
FORCE MAIN CENTERLINE ELEVATION (FT)	151.5



ODOR CONTROL CANNISTER DETAIL

DUPLEX SUBMERSIBLE PUMP STATION PLAN

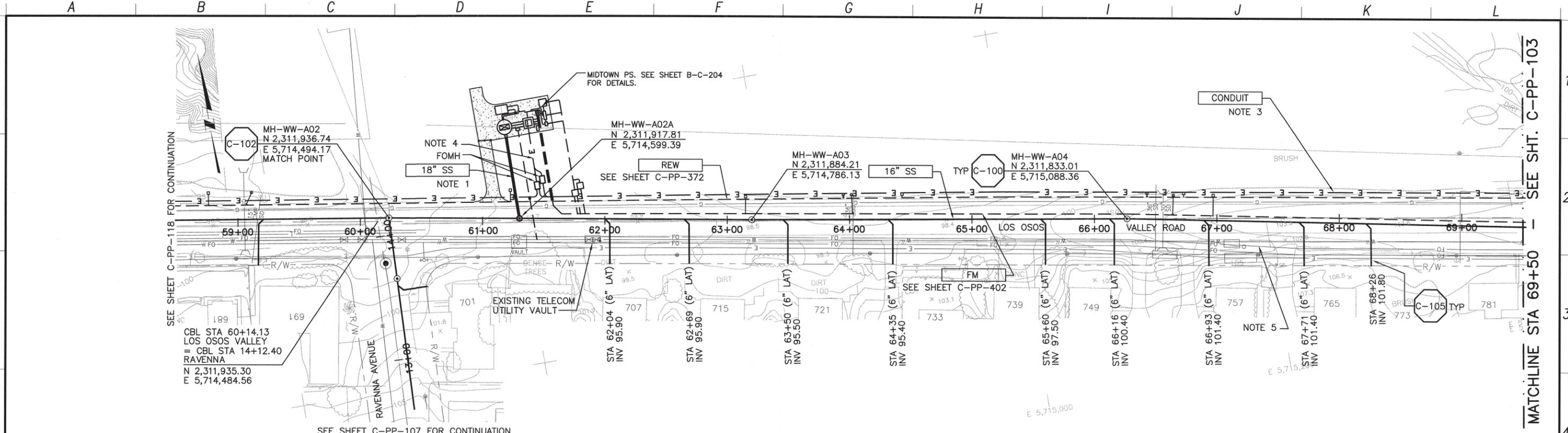


- NOTES:
- REFER TO CIVIL DRAWINGS FOR CONTINUATION OF PIPING.
 - CONTRACTOR TO VERIFY INLET PIPING CONDITIONS WITH COLLECTION SYSTEM PIPING.
 - CONTRACTOR TO VERIFY INLET PIPING AND WETWELL ELEVATION CONDITIONS.

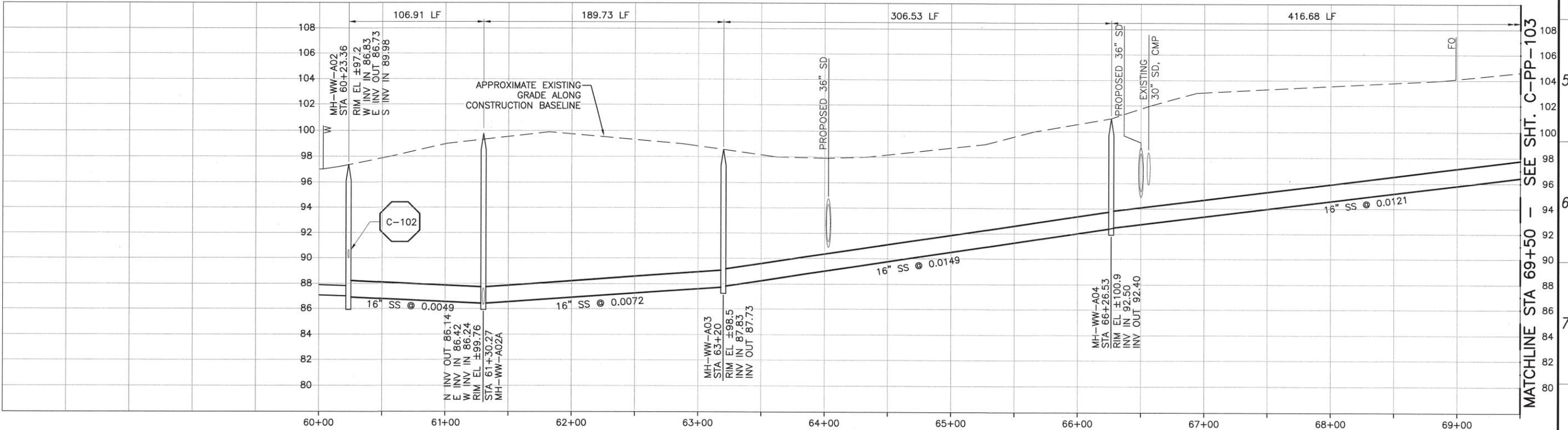
SECTION A
DUPLEX PUMP STATION

DESIGNED BY: MPH DRAWN BY: JAW CHECKED BY: CCA DATE: APRIL 2012	<p>2295 Gateway Oaks Drive, Suite 240 Sacramento, CA 95833 Tel: (916) 567-9900</p>		<p>IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY</p>	<p>DIAL TOLL FREE 1-800-642-2444 AT LEAST TWO DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA</p>	<p>LOS OSOS WASTEWATER COLLECTION SYSTEM MECHANICAL SUBMERSIBLE PUMP STATIONS DUPLEX LAYOUT - PLAN & SECTION</p>	<p>PROJECT No. 42502-83120 FILE NAME: C-M-004 SHEET NO. C-M-004</p>									
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REV. NO.	DATE	DRWN	CHKD	REMARKS											

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PLAN ON RAVENNA AVENUE AND LOS OSOS VALLEY ROAD



CONSTRUCTION BASELINE STATION

- NOTES:**
- SEE SHEET B-C-204 FOR DETAIL.
 - NOMINAL FORCEMAIN PIPE SIZE CALLOUT IS FOR PVC PIPE MATERIAL. IF HDPE IS UTILIZED, NOMINAL PIPE SIZE SHALL BE 18\".

3. REFER TO SHEET C-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUITS AND MANHOLES ALONG THE PIPELINE.

- TERMINATE CONDUITS APPROXIMATELY 60 FT NORTH OF LOS OSOS VALLEY ROAD.
- MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT MANHOLES.

PROFILE ON LOS OSOS VALLEY ROAD

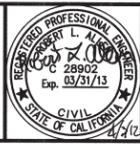
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ KS
 DRAWN BY: _____ RKU
 CHECKED BY: _____ RLA
 DATE: _____ APRIL 2012

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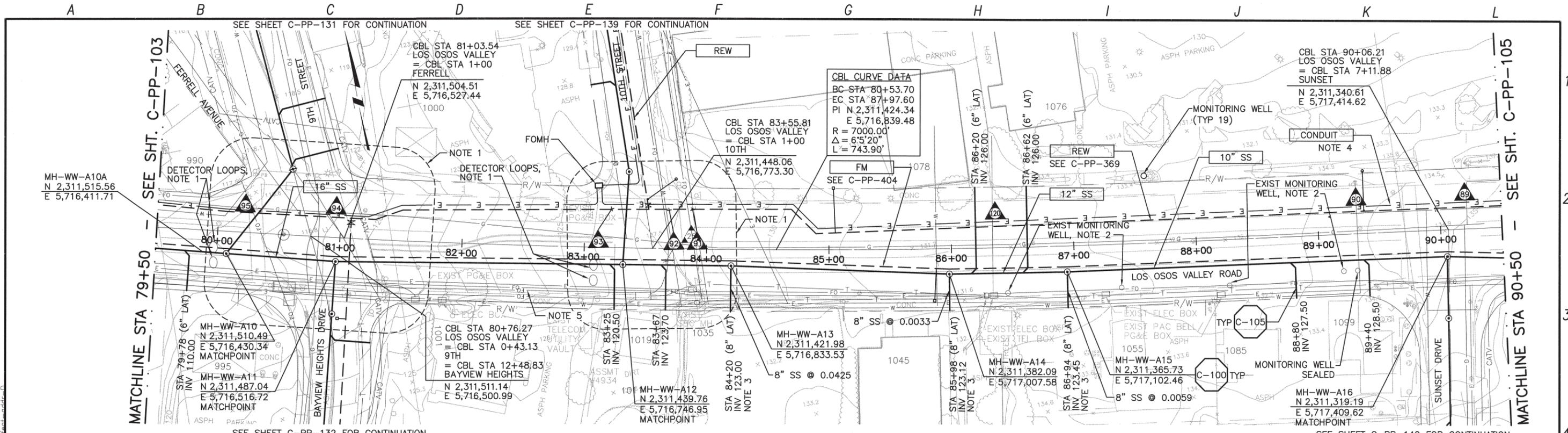
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
 LOS OSOS - 60+23.36 TO 69+50

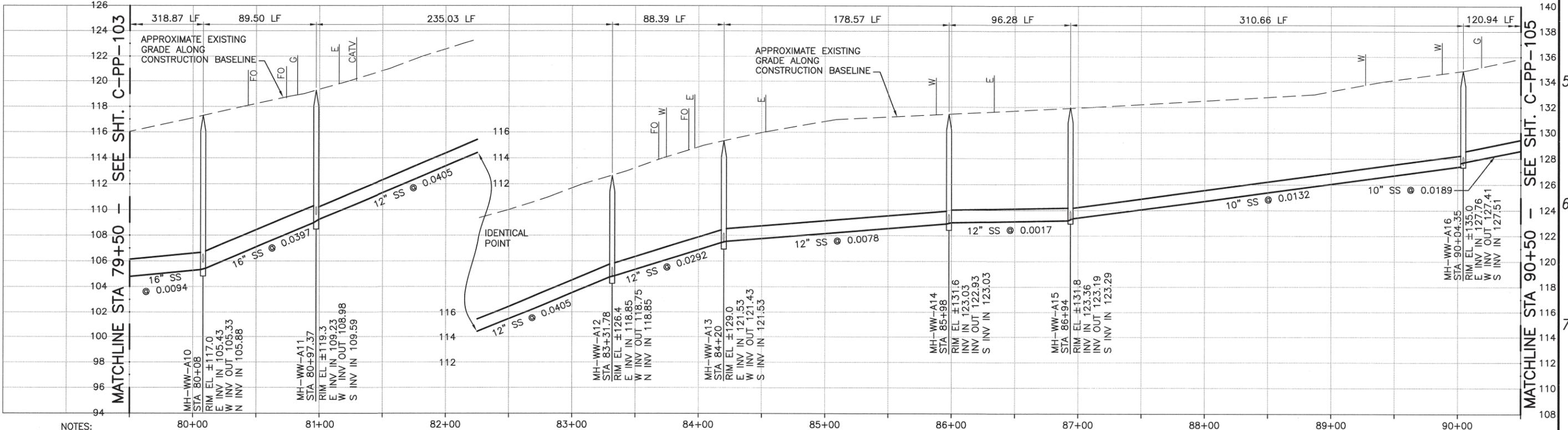
PROJECT NO. 42502-83120
FILE NAME: C-PP-102
SHEET NO. C-PP-102

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

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PLAN ON LOS OSOS VALLEY ROAD



PROFILE ON LOS OSOS VALLEY ROAD

- NOTES:**
- CONTRACTOR SHALL REPAIR EXISTING TRAFFIC CONTROL SYSTEM, INCLUDING INSTALLING NEW DETECTOR LOOPS, WHERE CONSTRUCTION RESULTS IN DAMAGE TO EXISTING SYSTEM. CONTRACTOR SHALL COORDINATE REPAIRS WITH COUNTY OF SAN LUIS OBISPO.
 - NOT ALL MONITORING WELLS ARE SHOWN.
 - CONTRACTOR SHALL CAP END OF STUB SS AND STAKE FOR FUTURE CONNECTION.
 - REFER TO SHEET C-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG THE PIPELINE.
 - MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT MANHOLES.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: KS
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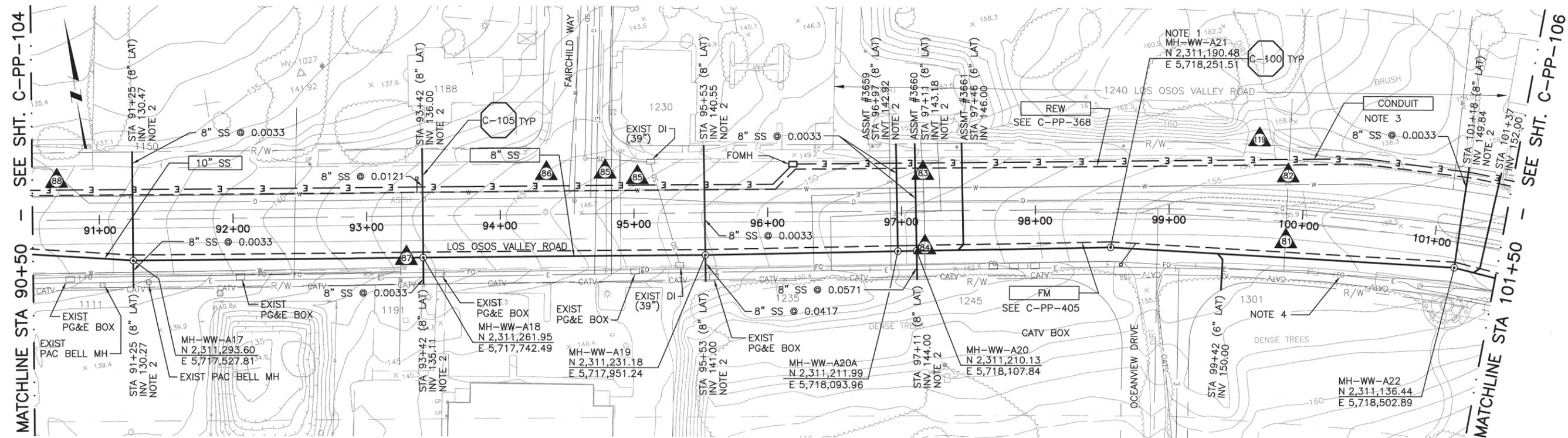


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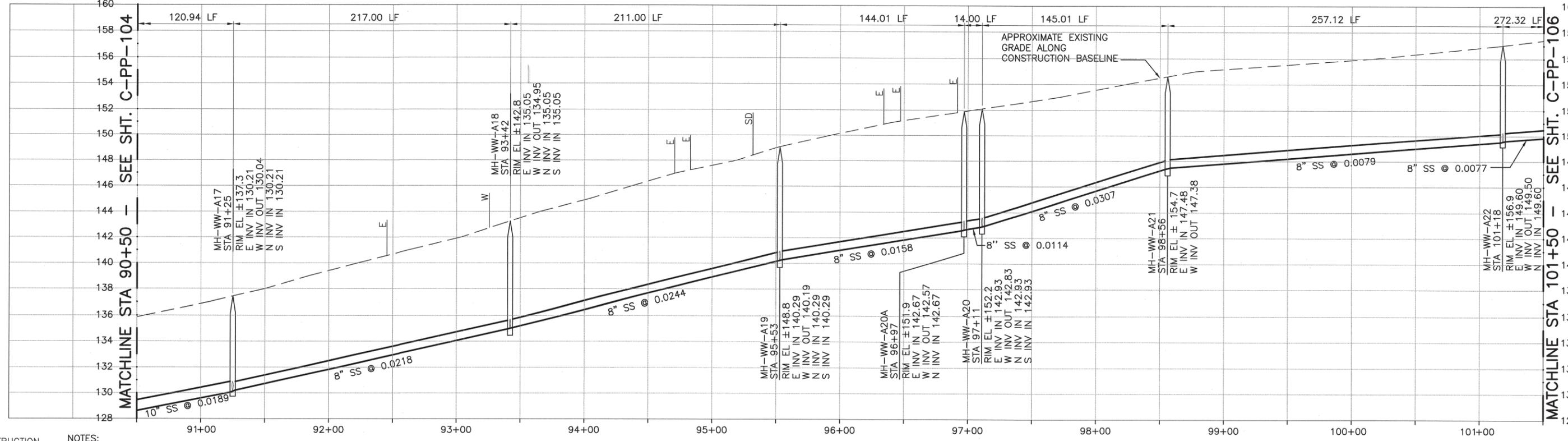
LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
 LOS OSOS VALLEY ROAD
 STA 79+50 TO STA 90+50
 PROJECT NO. 42502-83120
 FILE NAME: C-PP-104
 SHEET NO. C-PP-104

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

L:\Los Osos-42502\83120\01-Sheets\02civ\01-C-COLLECTION\C-PP-105 01/10/12 16:56 tinantej XREFS; N=FEAT-CNBL, N=FEAT-PROF, X=FEAT-ADDR, X=FEAT-API, X=FEAT-COED, X=FEAT-ROW, autocad_bdr, N=UTIL-SS, ML, X=FEAT-AERL, X=FEAT-TOPO



PLAN ON LOS OSOS VALLEY ROAD



PROFILE ON LOS OSOS VALLEY ROAD

CONSTRUCTION
BASELINE
STATION

- NOTES:**
1. CONTRACTOR SHALL NOTE THAT MAPPING PREDATES DEVELOPMENT AT 1240 LOS OSOS VALLEY ROAD. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.
 2. CONTRACTOR SHALL CAP END OF STUB SS AND STAKE FOR FUTURE CONNECTION.

3. REFER TO SHEET C-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG THE PIPELINE.
4. MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT MANHOLES.

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

REV. NO.	DATE	DRWN	CHKD	REMARKS

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DRAWN BY: RKU
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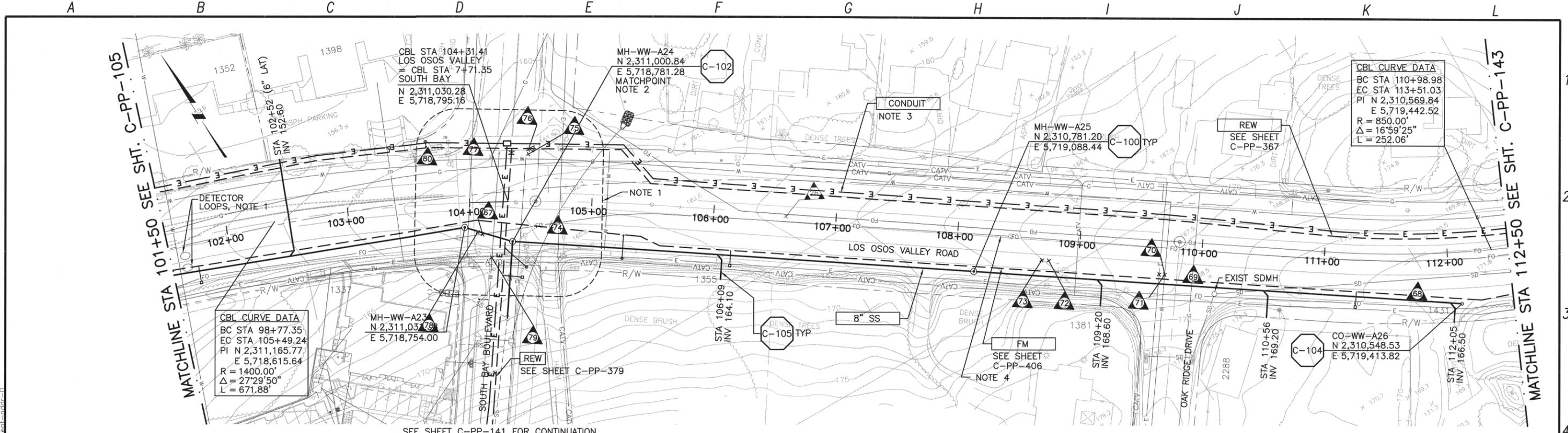


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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
LOS OSOS VALLEY ROAD
STA 90+50 TO STA 101+50

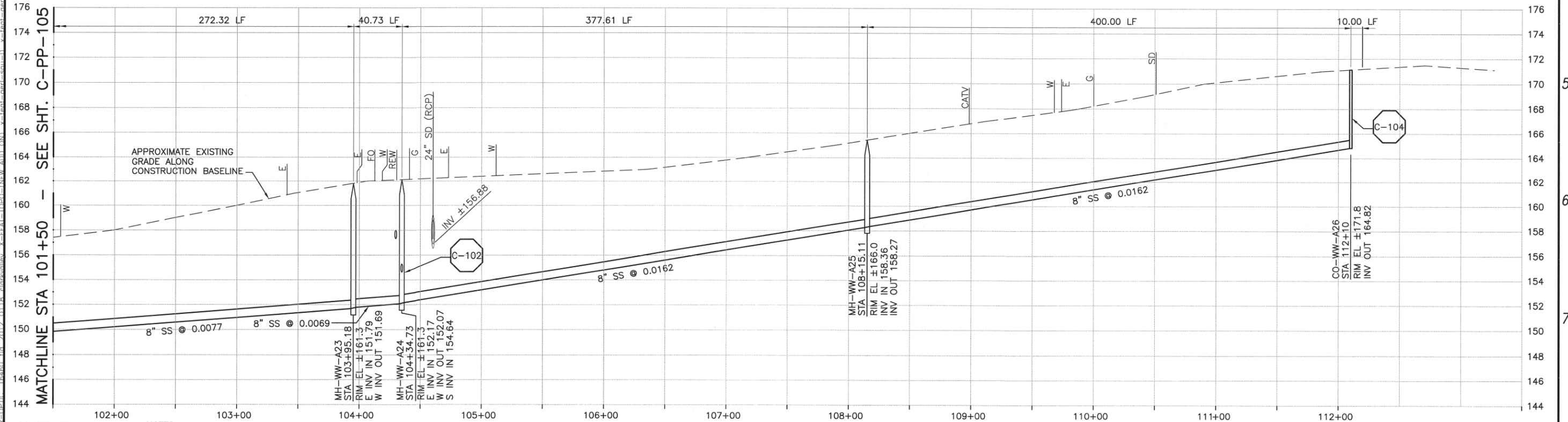
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SEE SHEET C-PP-141 FOR CONTINUATION

PLAN ON LOS OSOS VALLEY ROAD



- NOTES:**
- CONTRACTOR SHALL REPAIR EXISTING TRAFFIC CONTROL SYSTEM, INCLUDING INSTALLING NEW DETECTOR LOOPS, WHERE CONSTRUCTION RESULTS IN DAMAGE TO EXISTING SYSTEM. CONTRACTOR SHALL COORDINATE REPAIRS WITH COUNTY OF SAN LUIS OBISPO.
 - MH-WW-A24 SHALL BE CONSTRUCTED ON EXISTING 8" PVC (SDR 35) SS FROM SOUTH. CONTRACTOR SHALL VERIFY.
 - REFER TO SHEET C-G-010 FOR REQUIREMENTS OF ELECTRICAL CONDUIT AND MANHOLES ALONG THE PIPELINE.
 - MAINTAIN 2' VERTICAL AND HORIZONTAL SEPARATION FROM THE AT&T CONDUIT MANHOLES.

PROFILE ON LOS OSOS VALLEY ROAD

CONSTRUCTION
BASELINE
STATION

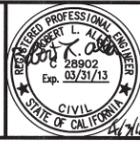
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: KS
 DRAWN BY: RKU
 CHECKED BY: RLA
 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



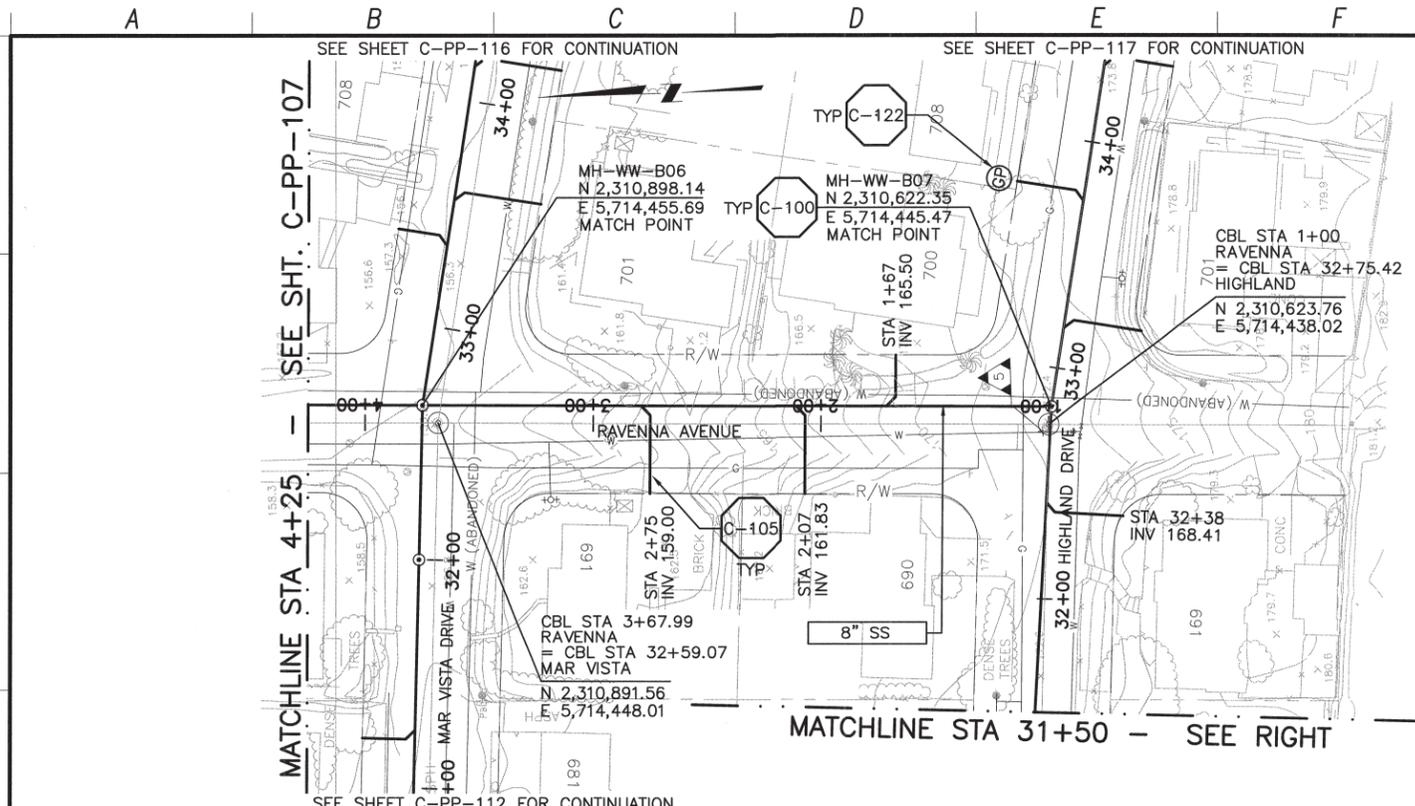
DIALERT
 DIAL TOLL FREE 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
 LOS OSOS VALLEY ROAD
 STA 101+50 TO STA 112+50

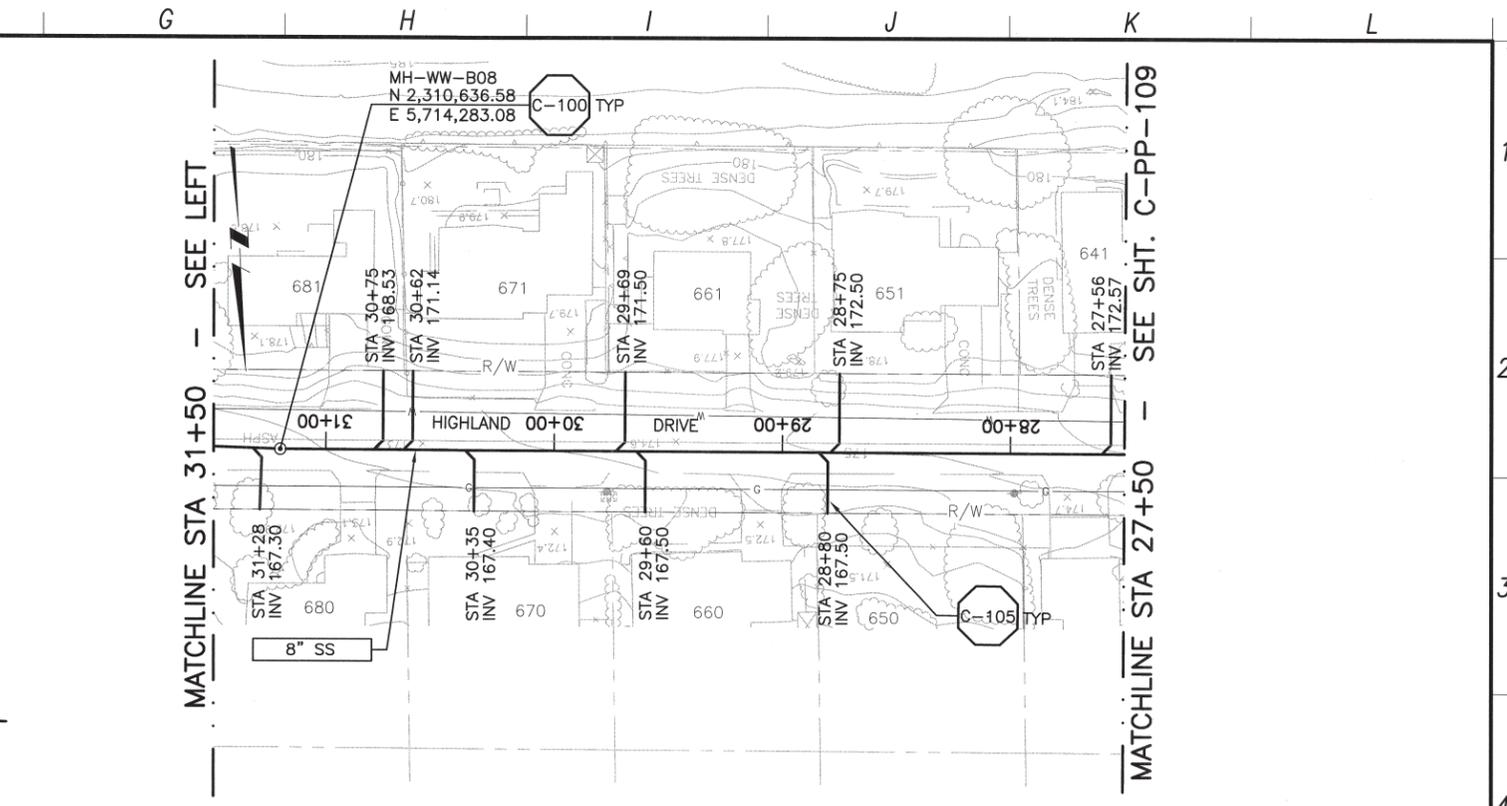
PROJECT NO. 42502-83120
 FILE NAME: C-PP-106
 SHEET NO.
C-PP-106

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

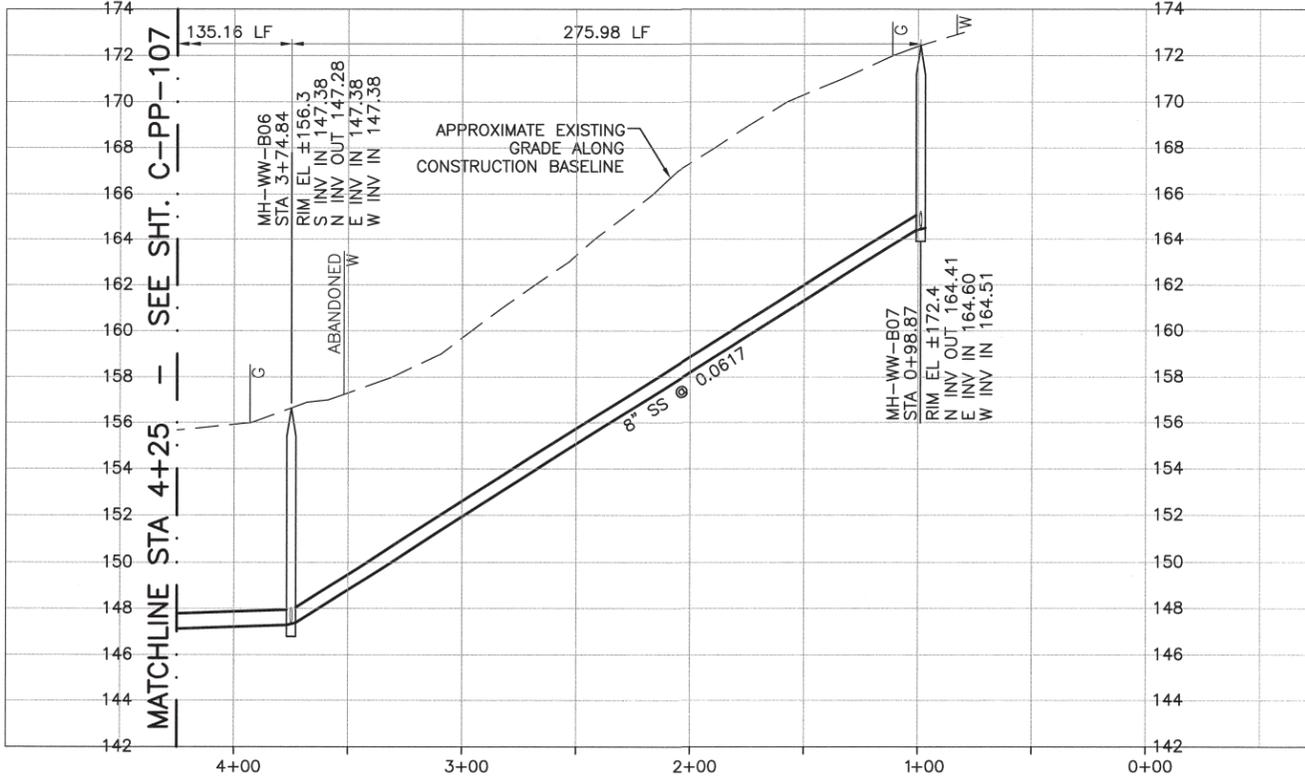
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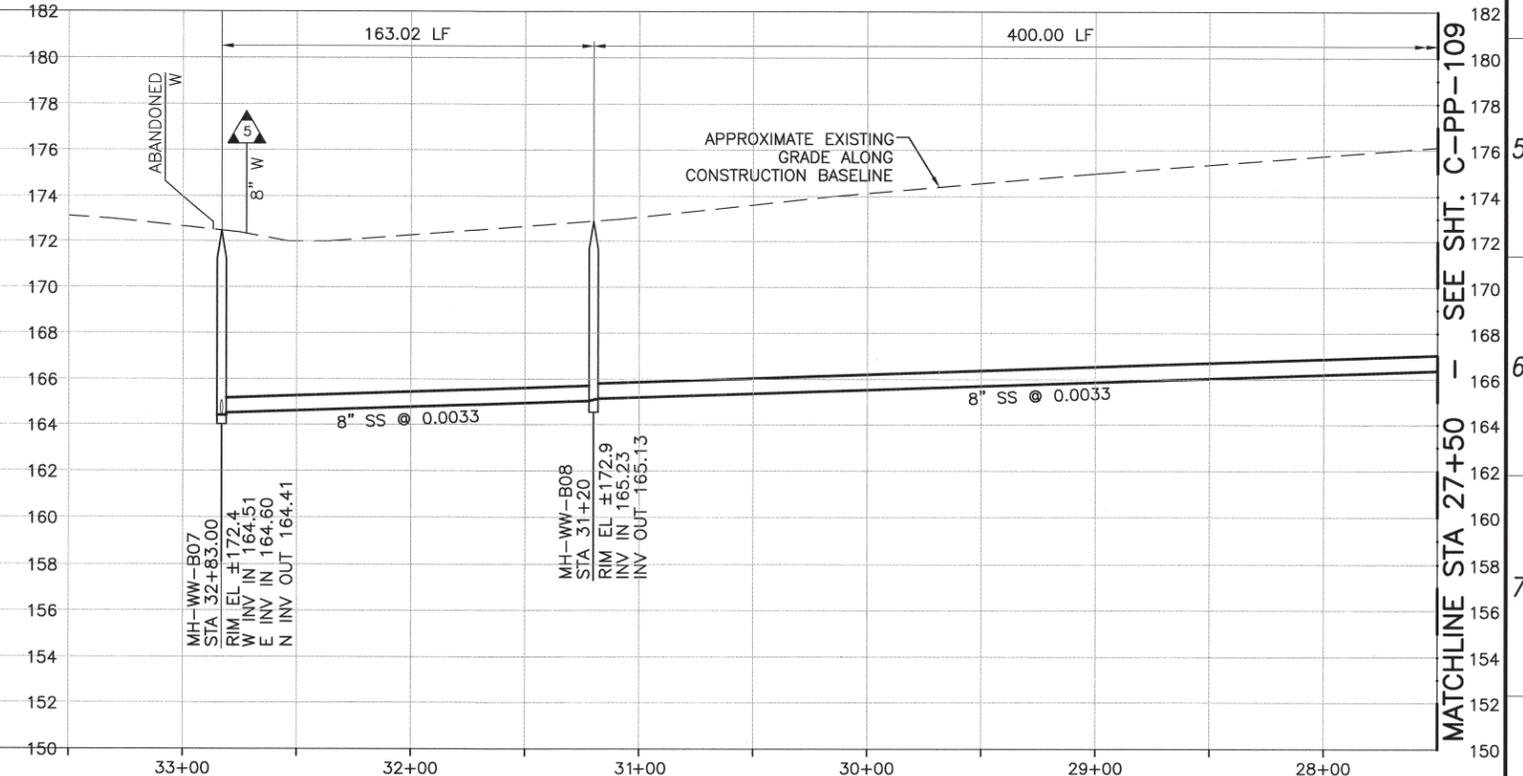
PLAN ON RAVENNA AVENUE AND HIGHLAND DRIVE



PLAN ON HIGHLAND DRIVE



PROFILE ON RAVENNA AVENUE



PROFILE ON HIGHLAND DRIVE

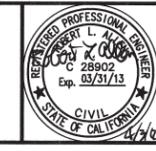
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: KS
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LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
 RAVENNA AVE - 4+25 TO 0+98.87
 HIGHLAND DRIVE - 32+83 TO 27+50

PROJECT NO. 42502-83120
 FILE NAME: C-PP-108
 SHEET NO.
C-PP-108

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