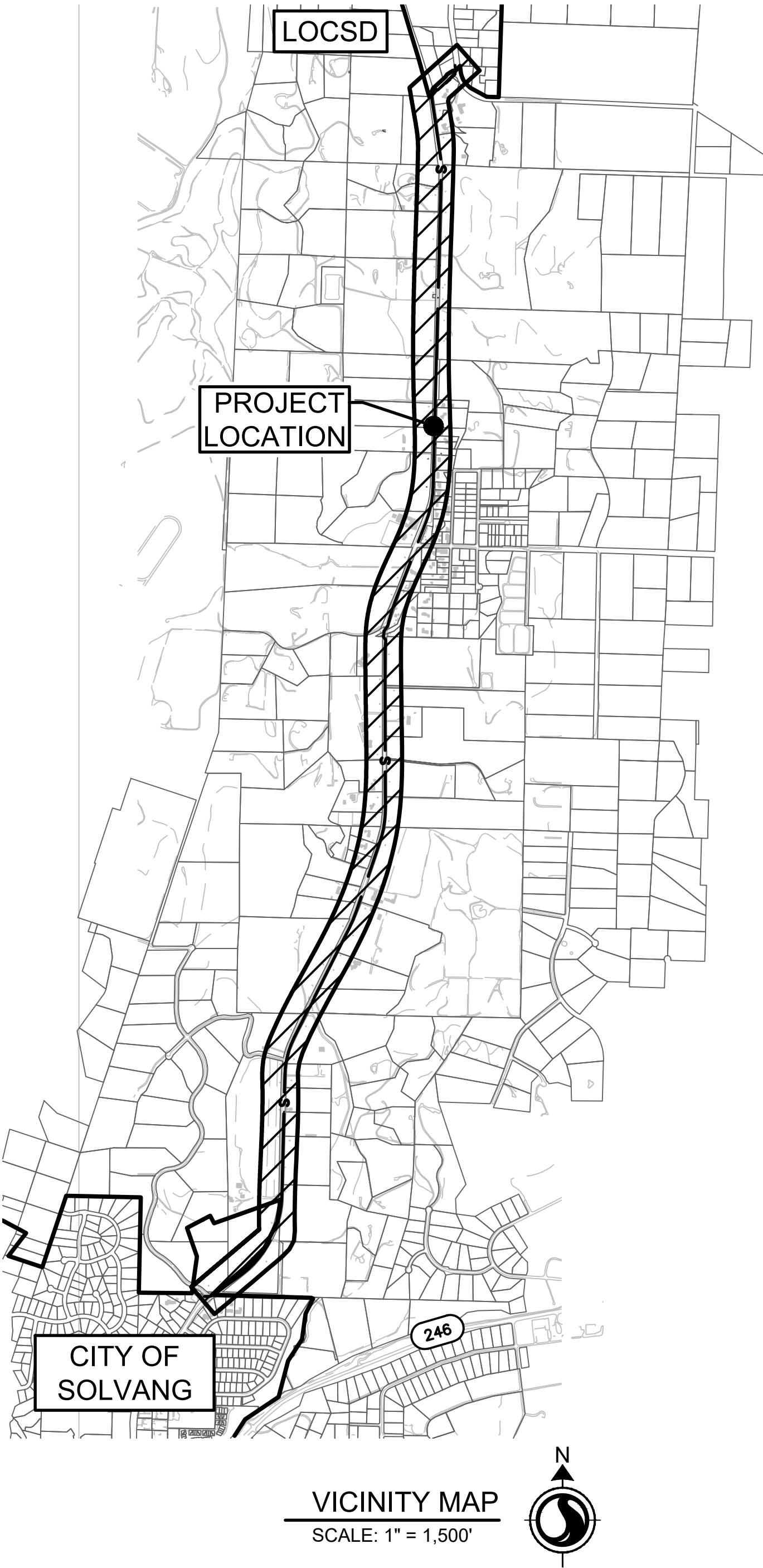
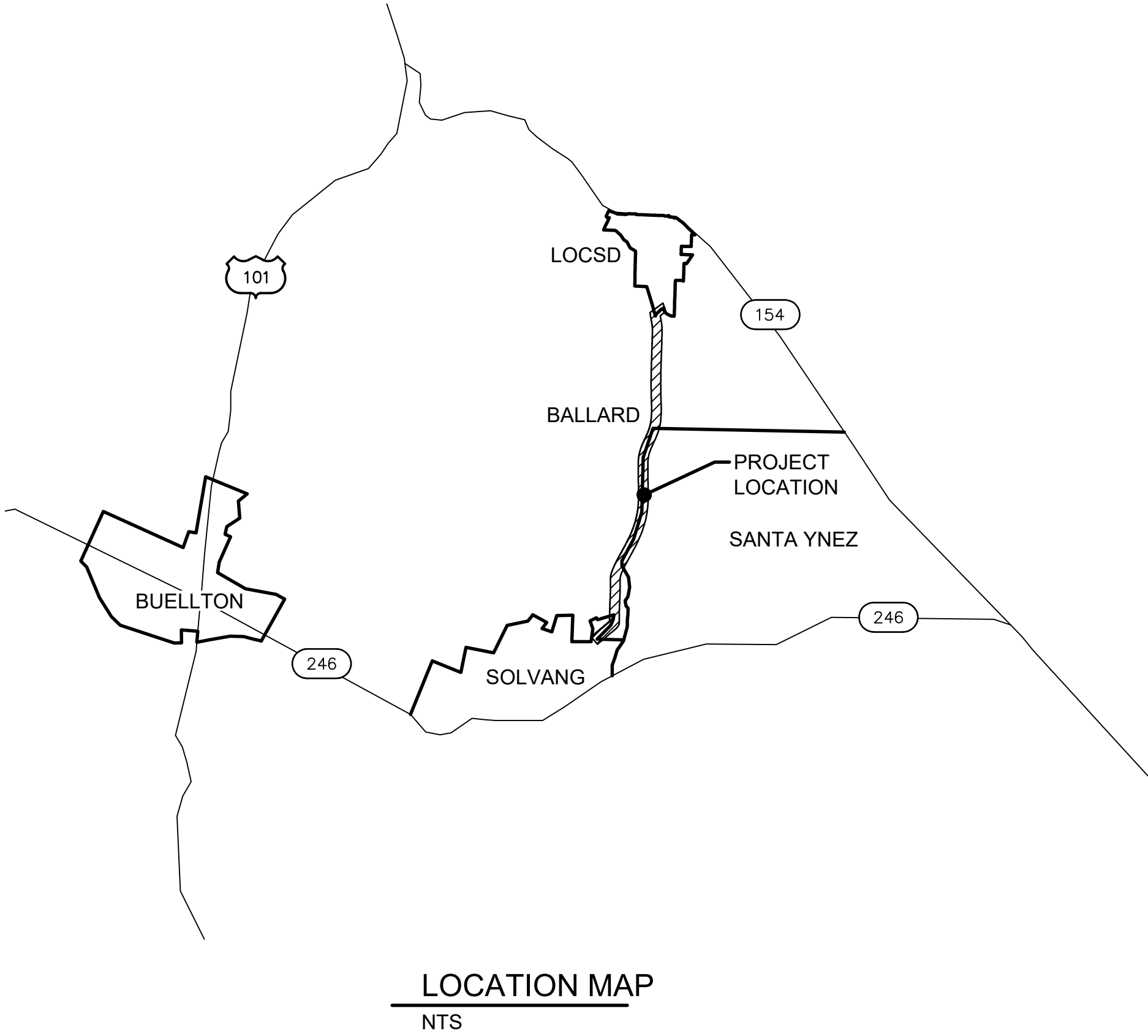


LOS OLIVOS COMMUNITY SERVICES DISTRICT WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT 30% SUBMITTAL



30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS. SEE SHEET G-2 FOR DESCRIPTION.				DESIGNED BY:	JTZ	<div>WARNING</div> <div>0 1/2 1</div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>	<div> Stantec</div>	LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441	<div>PRELIMINARY - NOT FOR CONSTRUCTION</div> <div>TITLE SHEET</div> <div>ALAMO PINTADO ROAD</div>	PROJECT NO.	184032474
				DRAFTED BY:	GMK					DWG NO.	G1
				CHECKED BY:	CEP					SHT.	1 OF 16
	VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988	NO.	DATE	REVISIONS	DATE:			03/07/2025		LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT	

DRAWING: \\usd377-prjssd01\shared_projects\184032474\engineering\drawing\final\eng\184032474_title.dwg PLOTTED: 3/7/2025 3:19 PM BY: Korman, Gabriela

SURVEY NOTES

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS:

1) AERIAL SURVEY FOR LOS OLIVOS COMMUNITY SERVICES DISTRICT CONDUCTED BY VERTICAL MAPPING RESOURCES (OCTOBER 27, 2021)

2) AERIAL SURVEY OF THE SANTA YNEZ VALLEY FOR THE FIVE PARTNER AGENCIES (SANTA BARBARA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, CITY OF BUELLTON, SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS, CITY OF SOLVANG, SANTA YNEZ RIVER WATER CONSERVATION DISTRICT) CONDUCTED BY KELLOG AERIAL SURVEYS (OCTOBER 22, 1993)

SHEET INDEX

SHEET NO.	DWG. NO.	SHEET TITLE
1	G1	TITLE SHEET
2	G2	SHEET INDEX, LINETYPE, AND SYMBOL LEGEND
3	C1	SANTA BARBARA AND GRAND SEWER LIFT STATIONS OVERALL SITE PLAN
4	C2	SANTA BARBARA SEWER LIFT STATION SITE AND PIPING PLAN SITE
5	C3	GRAND SEWER LIFT STATION SITE AND PIPING PLAN SITE
6	C4	SEWER FORCE MAIN PLAN SFM-1 STA 10+00 TO 17+00, SMF-2 STA 1+00 TO 6+32
7	C5	SEWER FORCE MAIN PLAN SFM-1 STA 17+00 TO 37+00
8	C6	SEWER FORCE MAIN PLAN SFM-1 STA 37+00 TO 57+00
9	C7	SEWER FORCE MAIN PLAN SFM-1 STA 57+00 TO 77+00
10	C8	SEWER FORCE MAIN PLAN SFM-1 STA 77+00 TO 97+00
11	C9	SEWER FORCE MAIN PLAN SFM-1 STA 97+00 TO 117+00
12	C10	SEWER FORCE MAIN PLAN SFM-1 STA 117+00 TO 137+00
13	C11	SEWER FORCE MAIN PLAN SFM-1 STA 137+00 TO 157+00
14	C12	SEWER FORCE MAIN PLAN SFM-1 STA 157+00 TO 177+00
15	C13	SEWER FORCE MAIN PLAN SFM-1 STA 177+00 TO 188+88
16	GC-1	DETAILS

LINETYPE AND SYMBOL LEGEND

---	COMM	---	COMM	---	EX COMMUNICATION
---	E	---	E	---	EX ELECTRICAL
---	G	---	G	---	EX GAS
---	OIL	---	OIL	---	EX OIL
---	SD	---	SD	---	EX STORM DRAIN
---	T	---	T	---	EX TELEPHONE
---	W	---	W	---	EX WATER
---	E(OH)	---	E(OH)	---	EX OVERHEAD
---		---		---	EX EDGE OF PAVEMENT
---		---		---	PROPERTY LINE
---		---		---	ROW
---		---		---	MAJOR CONTOUR
---		---		---	MINOR CONTOUR
---		---		---	PROP GRAVITY SEWER (LOCSD SEPTIC TO SEWER PROJECT)
---		---		---	PROP SEWER FORCE MAIN
---		---		---	PROP ELECTRICAL
---		---		---	PROP SEWER MANHOLE (LOCSD SEPTIC TO SEWER PROJECT)

ABBREVIATIONS

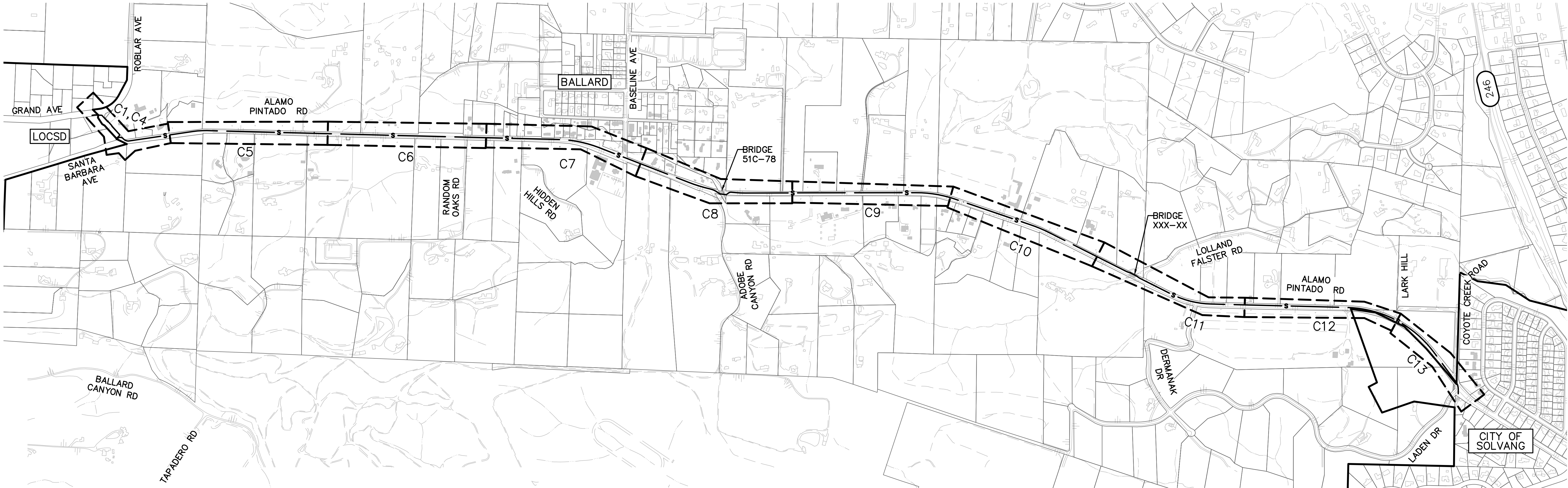
APPROX	APPROXIMATE	PL	PROPERTY LINE
AVE	AVENUE	POC	POINT OF CONNECTION
BEG	BEGIN	PROP	PROPOSED
COMM	COMMUNICATION	RD	ROAD
DEG	DEGREE	S	RIGHT OF WAY
DWY	DRIVEWAY	SD	SEWER
E	ELECTRICAL	SD	STORM DRAIN
EX/EXIST	EXISTING	SDMH	STORM DRAIN
G	GAS	SMF	SEWER FORCE MAIN
LOCSD	LOS OLIVOS COMMUNITY SERVICE DISTRICT	ST	STREET
MH	MANHOLE	TEMP	TEMPORARY
N.T.S.	NOT TO SCALE	TELE	TELEPHONE
N.O.	NUMBER	TYP	TYPICAL
PERM	PERMANENT	W	WATER

GENERAL SHEET NOTES

A. SUBSURFACE UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND BASED ON THE BEST DATA AVAILABLE DURING THE DEVELOPMENT OF THESE PLANS. DURING FINAL DESIGN AND PRIOR TO CONSTRUCTION, ALL SUBSURFACE UTILITIES SHALL BE LOCATED USING AVAILABLE UTILITY RECORDS AND POTHOLING.

B. THIS PLAN IS PRELIMINARY AND SHALL NOT BE USED FOR CONSTRUCTION. ALIGNMENTS AND ELEVATIONS SHOWN ON THIS PLAN ARE FOR PLANNING PURPOSES ONLY AND ARE SUBJECT TO CHANGE DURING FINAL DESIGN.

C. RIGHT-OF-WAY AND PROPERTY LINES ARE APPROXIMATE AND WERE NOT SURVEYED. EXISTING UTILITY EASEMENTS WERE NOT RESEARCHED AND MAY EXIST, WETHER OR NOT SHOWN ON THESE PLANS.



SHEET INDEX
SCALE: 1" = 600'

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

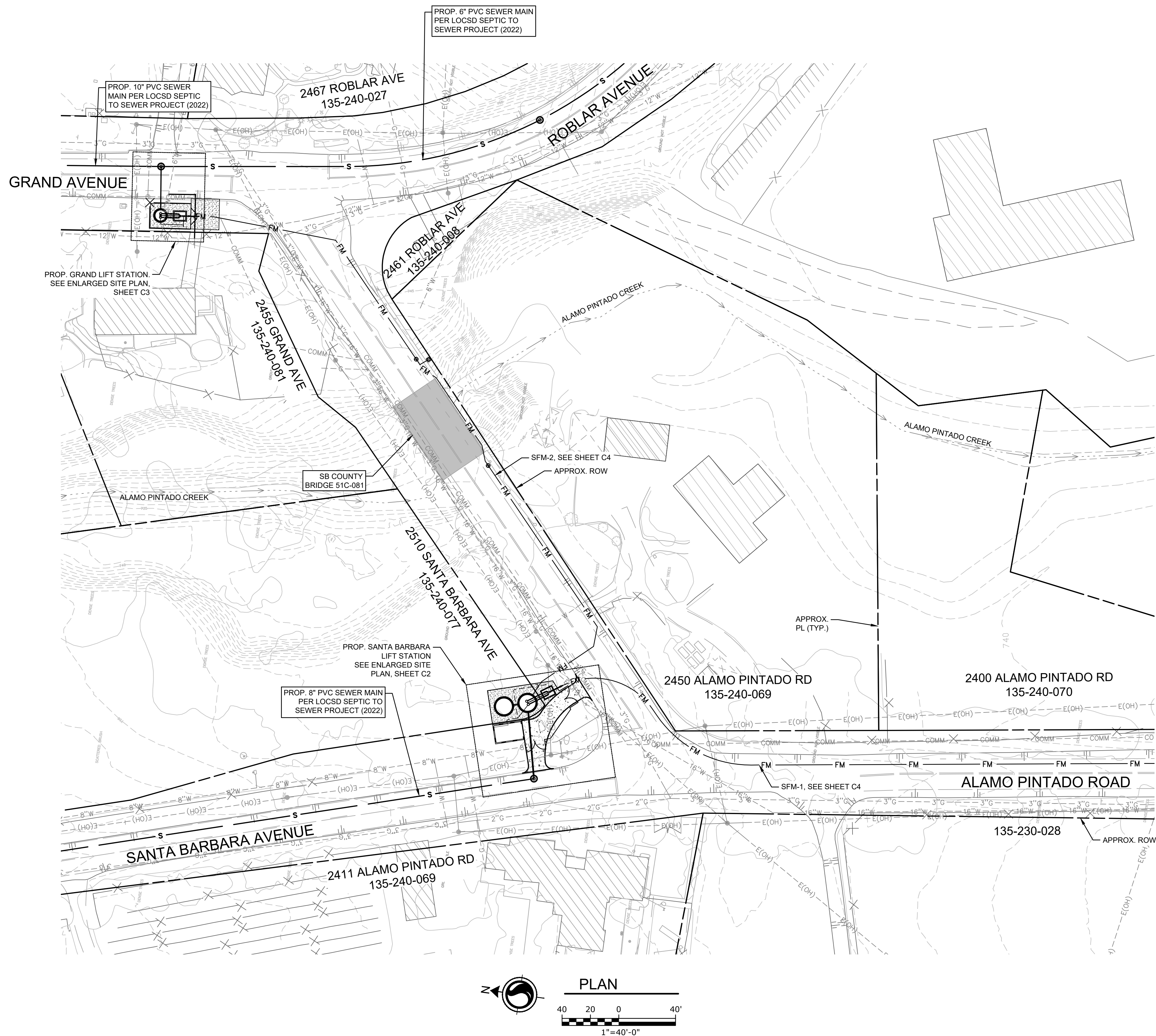
WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441

LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

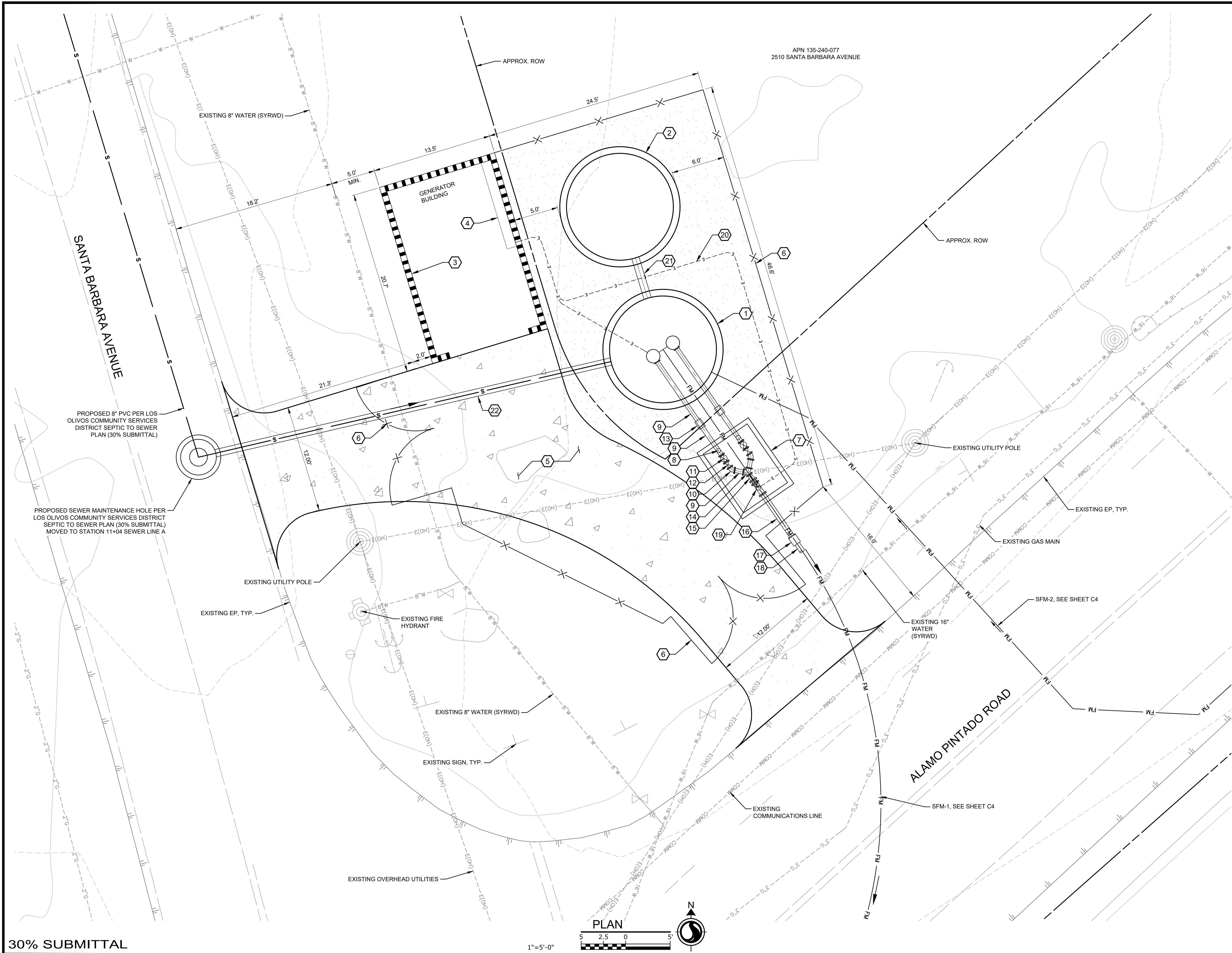
SHEET INDEX
LINETYPE AND SYMBOL LEGEND
ALAMO PINTADO ROAD

PROJECT NO. 184032474
DWG NO. G2
SHT. 2 OF 16



30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS. SEE SHEET G-2 FOR DESCRIPTION.				DESIGNED BY:	JTZ	<div>WARNING</div> <div><div>01/2</div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>	<div><div><div></div></div><div>Stantec</div></div>	LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441	SANTA BARBARA AND GRAND SEWER LIFT STATIONS OVERALL SITE PLAN ALAMO PINTADO ROAD	PROJECT NO. 184032474
				DRAFTED BY:	GMK					
				CHECKED BY:	CEP					
				DATE:	03/07/2025					
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983										
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988										
	NO.	DATE	REVISIONS							



SANTA BARBARA LS SHEET KEY NOTES

- 1 PROPOSED 12-FT DIAMETER WET WELL WITH DUPLEX PUMPS.
- 2 PROPOSED 12-FT DIAMETER CONCRETE STORAGE BASIN.
- 3 PROPOSED BUILDING FOR STANDBY GENERATOR, ELECTRICAL AND CONTROL PANELS
- 4 PROPOSED ELECTRICAL AND CONTROL PANELS WITH AUTOMATIC TRANSFER SWITCH.
- 5 PROPOSED CONCRETE PAVING.
- 6 PROPOSED 6-FT HIGH FENCING AND GATES.
- 7 PROPOSED 8-FT X 6-FT CONCRETE VALVE VAULT WITH LIFT-ASSIST ACCESS HATCH.
- 8 PROPOSED 1" WASTEWATER COMBINATION AIR/VACUUM VALVE
- 9 PROPOSED 4" DI PIPING
- 10 PROPOSED 4" DI 45° BEND, (FL X FL)
- 11 PROPOSED 4" CHECK VALVE, (FL X FL)
- 12 PROPOSED 4" PLUG VALVE, (FL X FL)
- 13 PROPOSED 4" COUPLING
- 14 PROPOSED 4" DI WYE FITTING, (FL X FL)
- 15 PROPOSED 6" X 4" REDUCER,(FL X FL)
- 16 PROPOSED 6" DI PIPING
- 17 PROPOSED 6" COUPLING
- 18 PROPOSED 6" HDPE DR21 PIPING
- 19 PROPOSED 6" WASTEWATER FLOW METER
- 20 PROPOSED ELECTRICAL AND COMMUNICATIONS CONDUIT
- 21 PROPOSED 10" PIPE TO HYDRAULICALLY LINK WET-WELL AND ADDITIONAL STORAGE BASIN
- 22 PROPOSED 10" GRAVITY SEWER MAIN, MIN. 0.5% SLOPE

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS			

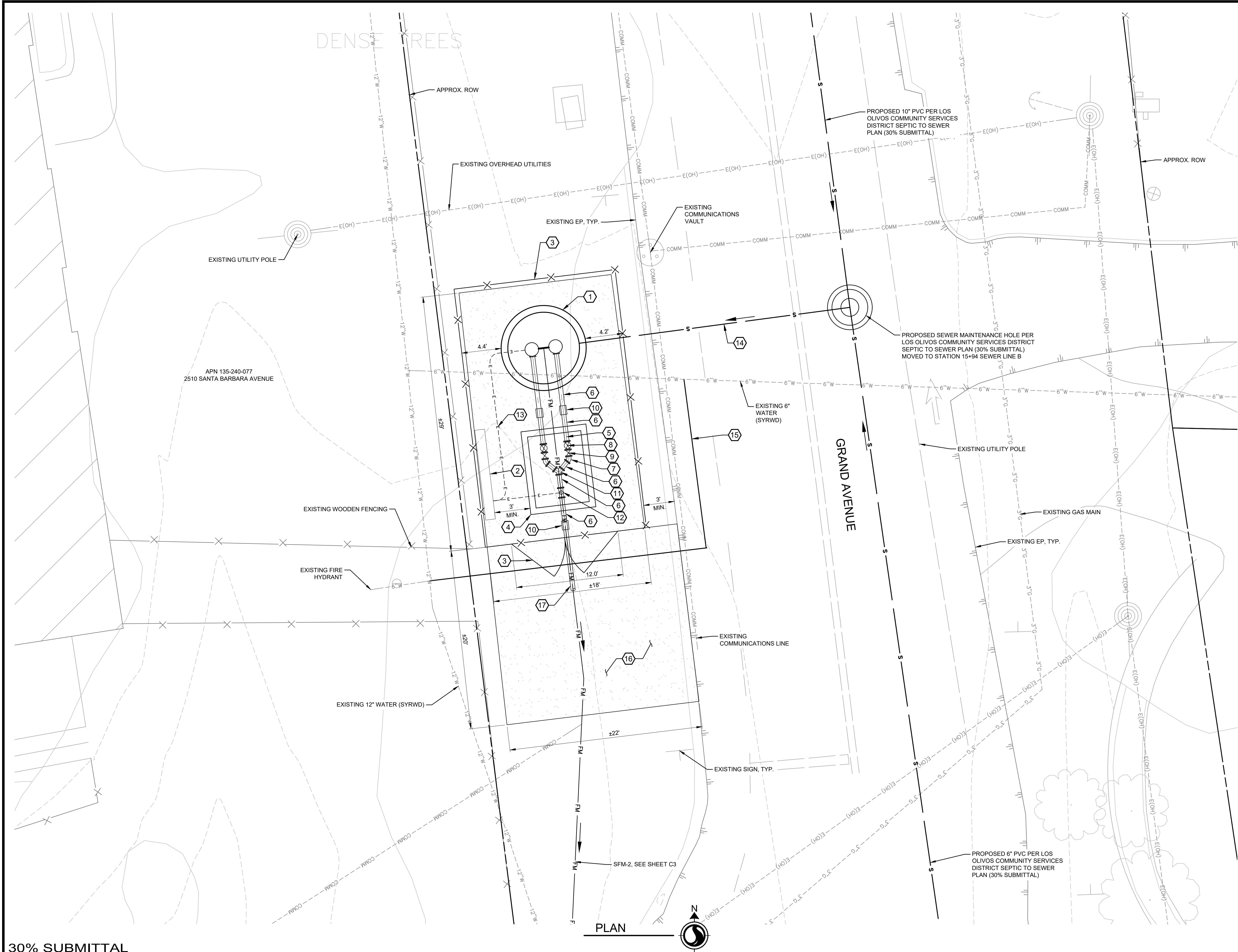
DESIGNED BY:	JTZ
DRAFTED BY:	GMK
CHECKED BY:	CEP
DATE:	03/07/2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441
LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SANTA BARBARA SEWER LIFT STATION SITE AND PIPING PLAN SANTA BARBARA AVE. & ALAMO PINTADO ROAD		PROJECT NO. 184032474
		DWG NO. C2
		SHT. 4 OF 16



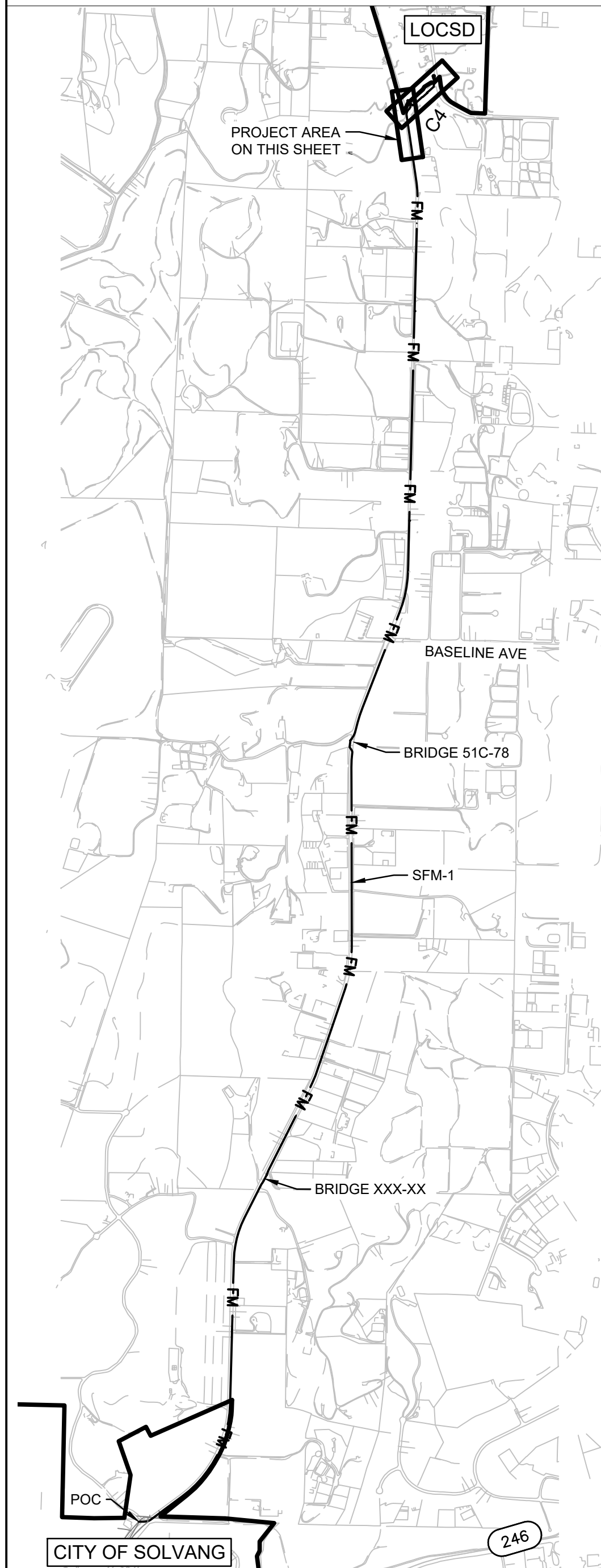
GRAND LS SHEET KEY NOTES

- 1 PROPOSED 8-FT DIAMETER WET WELL WITH DUPLEX PUMPS.
- 2 PROPOSED ELECTRICAL AND CONTROL PANELS WITH AUTOMATIC TRANSFER SWITCH.
- 3 PROPOSED 6-FT HIGH FENCING AND GATES.
- 4 PROPOSED 8-FT X 6-FT CONCRETE VALVE VAULT WITH LIFT-ASSIST ACCESS HATCH.
- 5 PROPOSED 1" WASTEWATER COMBINATION AIR/VACUUM VALVE
- 6 PROPOSED 4" AWWA C150 DI PIPING WITH INDURON PROTECTO 401 LINING
- 7 PROPOSED 4" DI 45° BEND, (FL X FL)
- 8 PROPOSED 4" CHECK VALVE, (FL X FL)
- 9 PROPOSED 4" PLUG VALVE, (FL X FL)
- 10 PROPOSED 4" COUPLING
- 11 PROPOSED 4" DI WYE FITTING, (FL X FL)
- 12 PROPOSED 4" WASTEWATER FLOW METER
- 13 PROPOSED ELECTRICAL AND COMMUNICATIONS CONDUIT
- 14 PROPOSED 10" GRAVITY SEWER MAIN, MIN. 0.5% SLOPE
- 15 RELOCATE EXISTING WATER MAIN
- 16 PROPOSED GRADED PARKING PAD
- 17 PROPOSED 4" AWWA C900 PVC CL 165 PIPING

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.				DESIGNED BY:	JTZ	<div>WARNING</div> <div><div>01/2</div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>	<div><div></div></div> <div>Stantec</div>	LOS OLIVOS COMMUNITY SERVICES DISTRICT		<div>PROJECT NO.</div> <div>184032474</div>			
				DRAFTED BY:	GMK			PO Box 345, Los Olivos CA 93441			GRAND SEWER LIFT STATION		
				CHECKED BY:	CEP			LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT				SITE AND PIPING PLAN	
				DATE:	03/07/2025								GRAND AVE. & ALAMO PINTADO ROAD
								DWG NO.	C2				
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988	NO.	DATE	REVISIONS										

KEY MAP



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ

DRAFTED BY: GMK

CHECKED BY: CEP

DATE: 03/07/2025

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



LOS OLIVOS COMMUNITY SERVICES DISTRICT

PO Box 345, Los Olivos CA 93441

LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN

SFM-1 PLAN STA. 10+00 TO 17+00

SFM-2 PLAN STA 1+00 TO 6+32

ALAMO PINTADO ROAD

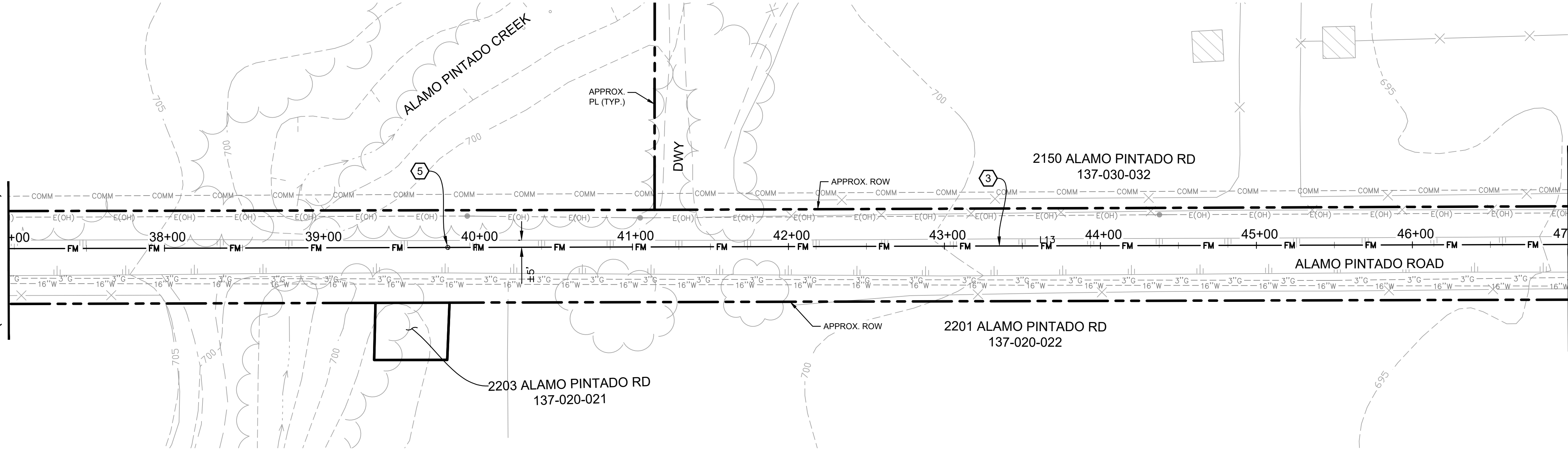
PROJECT NO.

184032474

DWG NO. C4

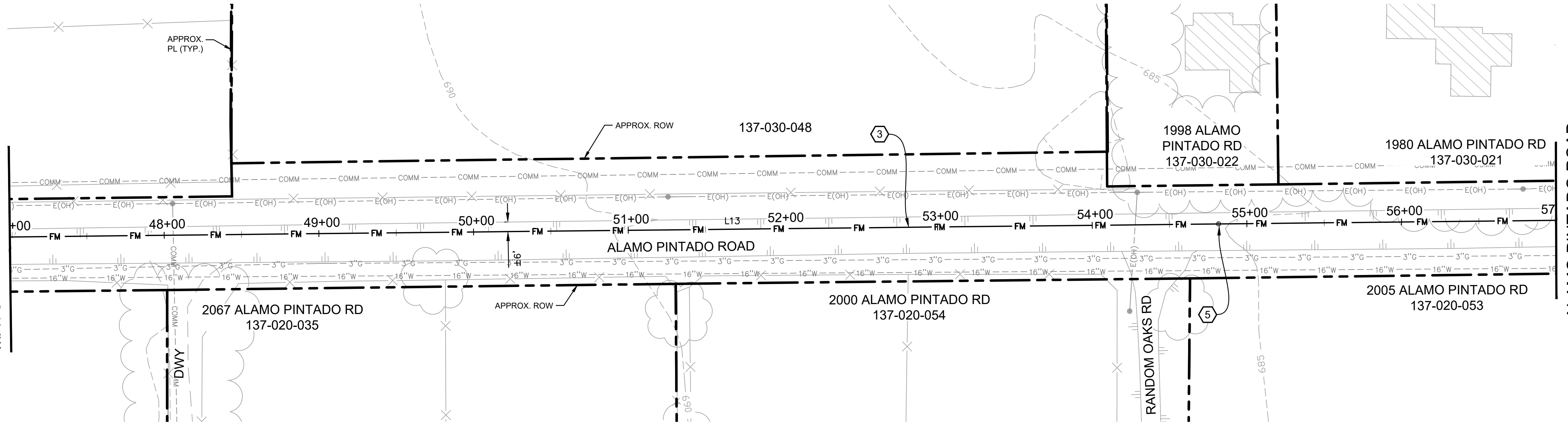
SHT. 6 OF 16

ALAMO PINTADO ROAD
MATCH LINE STA. 37+00
(SEE SHEET C5)



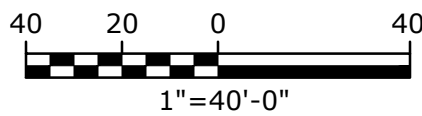
SFM-1 PLAN
SCALE: 1" = 40'

ALAMO PINTADO ROAD
MATCH LINE STA. 47+00

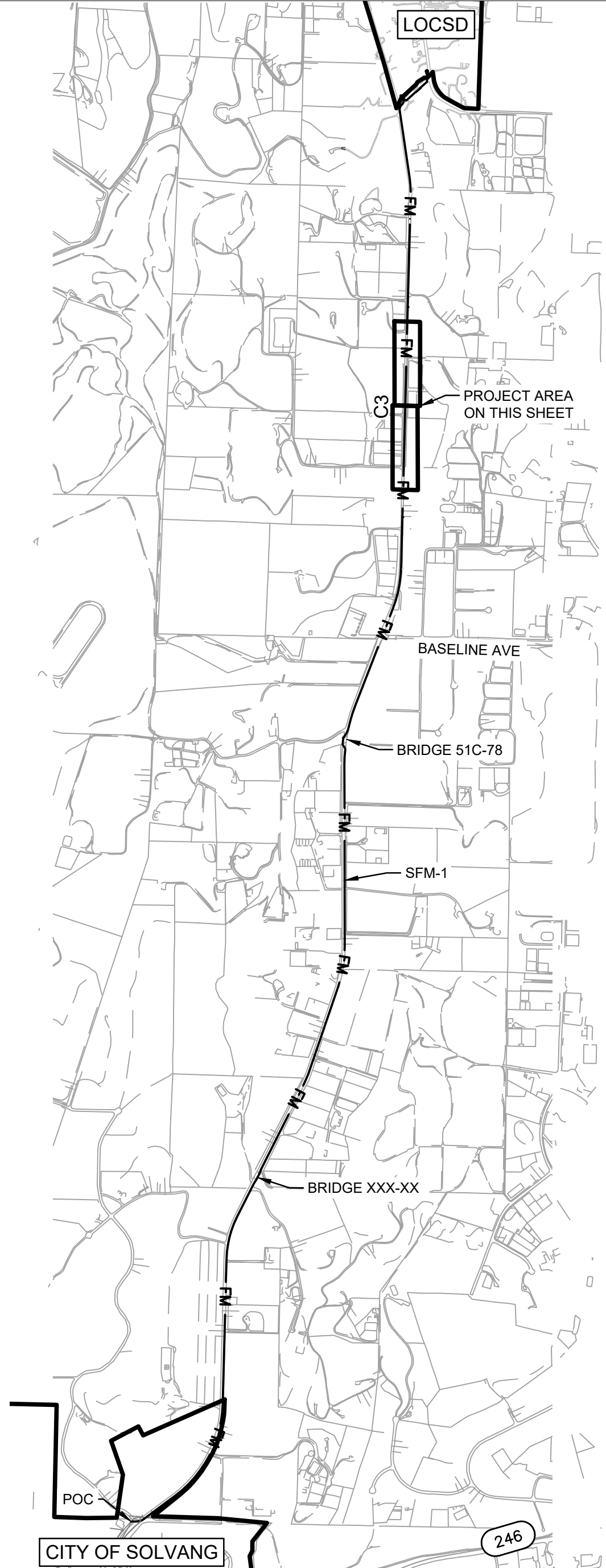


SFM-1 PLAN
SCALE: 1" = 40'

LINE TABLE		
LINE	DISTANCE	BEARING
L13	4445.03	S1°27'24"W



KEY MAP



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



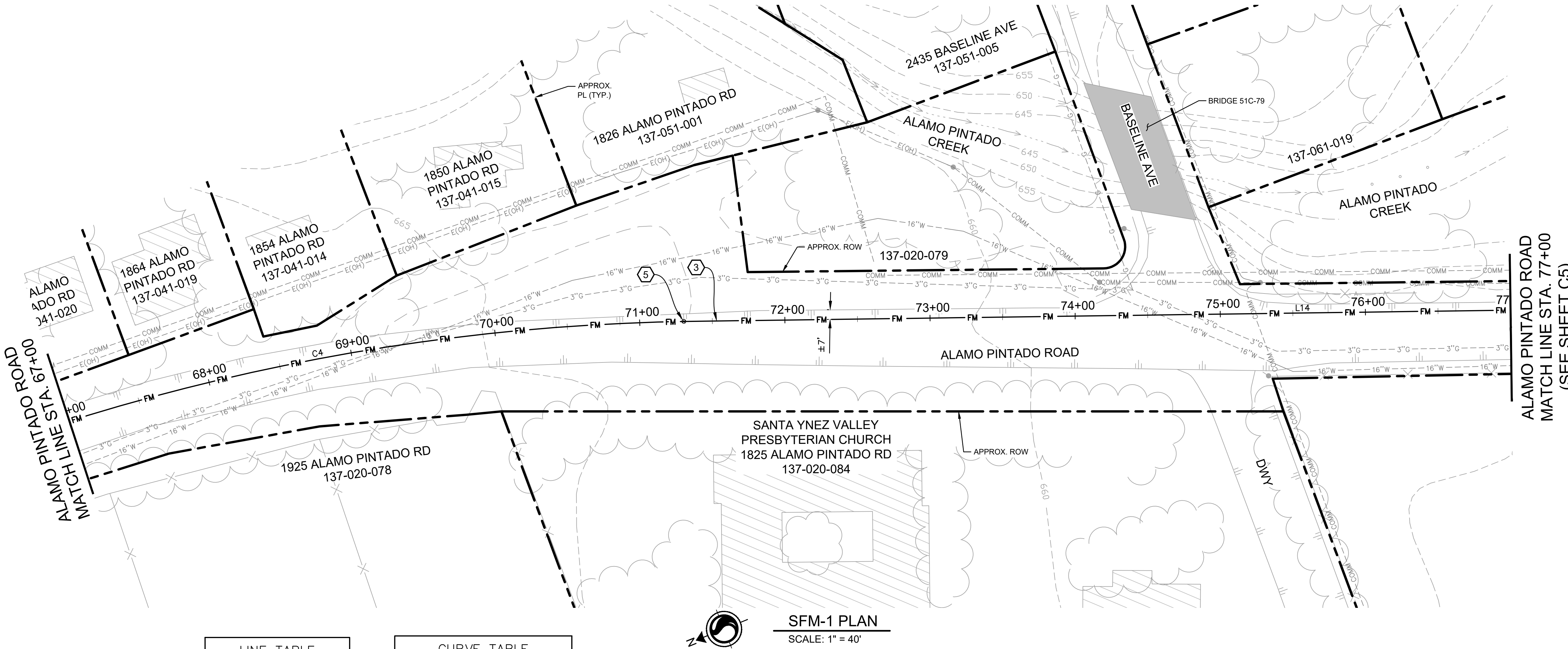
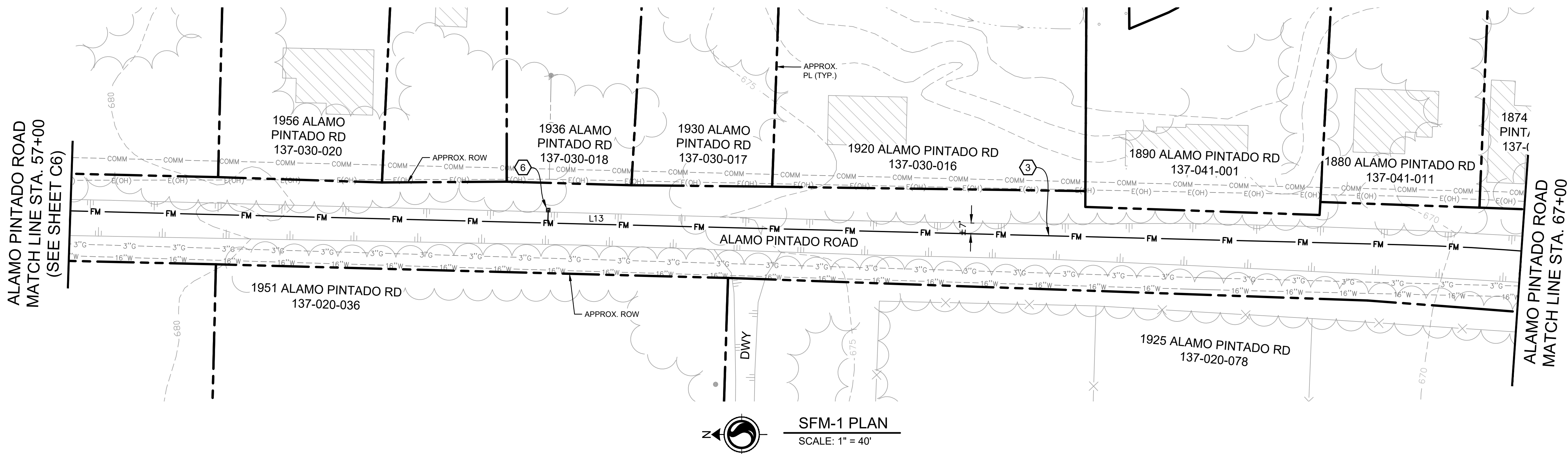
LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441

LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN
SFM-1 STA 37+00 TO STA 55+00
ALAMO PINTADO ROAD

PROJECT NO.
184032474
DWG NO. C6
SHT. 8 OF 16

ALAMO PINTADO ROAD
MATCH LINE STA. 57+00
(SEE SHEET C6)



LINE TABLE		
LINE	DISTANCE	BEARING
L13	4445.03	S1°27'24"W
L14	1215.45	S21°12'23"W

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C4	19°44'59"	1500.00	517.05

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

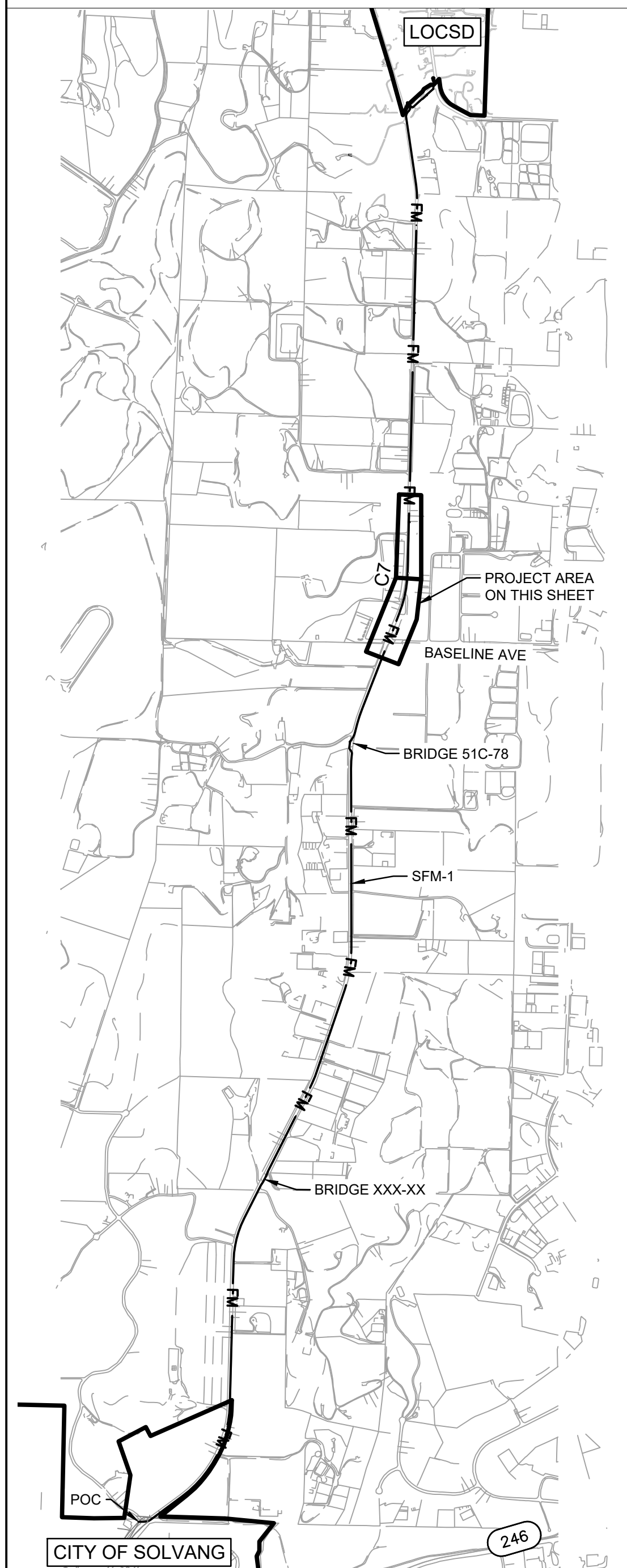


LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441
LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN
SFM-1 STA 57+00 TO STA 77+00
ALAMO PINTADO ROAD

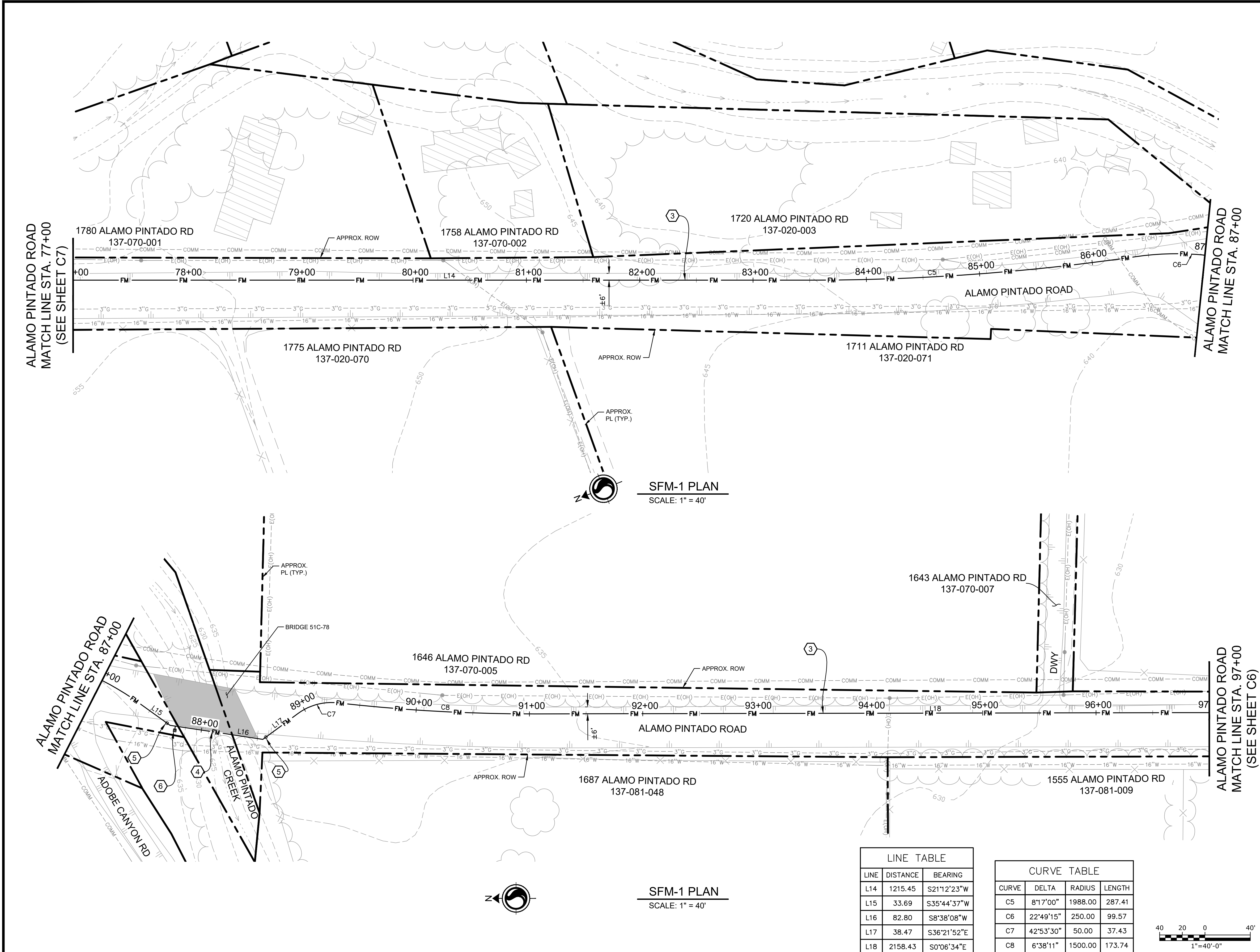
PROJECT NO.
184032474
DWG NO. C7
SHT. 9 OF 16

KEY MAP



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

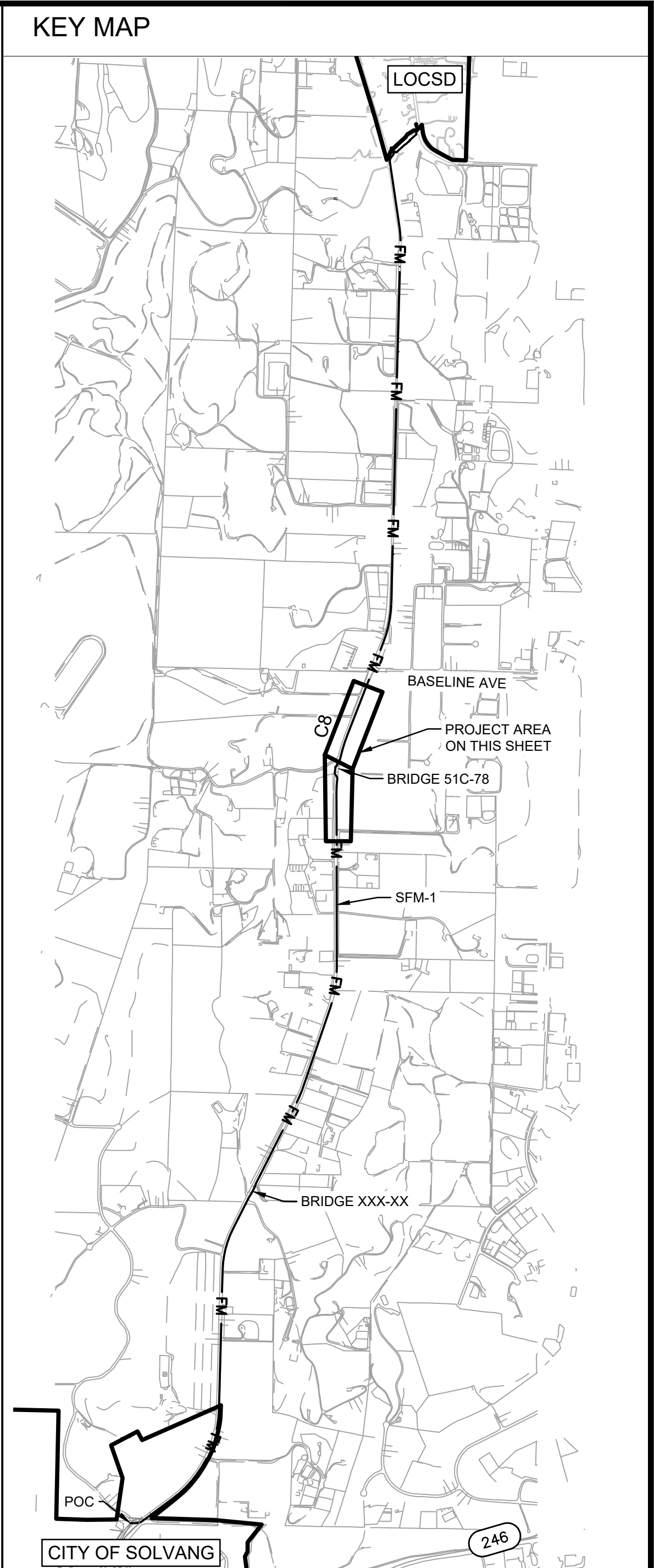


SFM-1 PLAN
SCALE: 1" = 40'

SFM-1 PLAN
SCALE: 1" = 40'

LINE TABLE		
LINE	DISTANCE	BEARING
L14	1215.45	S21°12'23"W
L15	33.69	S35°44'37"W
L16	82.80	S8°38'08"W
L17	38.47	S36°21'52"E
L18	2158.43	S0°06'34"E

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C5	8°17'00"	1988.00	287.41
C6	22°49'15"	250.00	99.57
C7	42°53'30"	50.00	37.43
C8	6°38'11"	1500.00	173.74



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

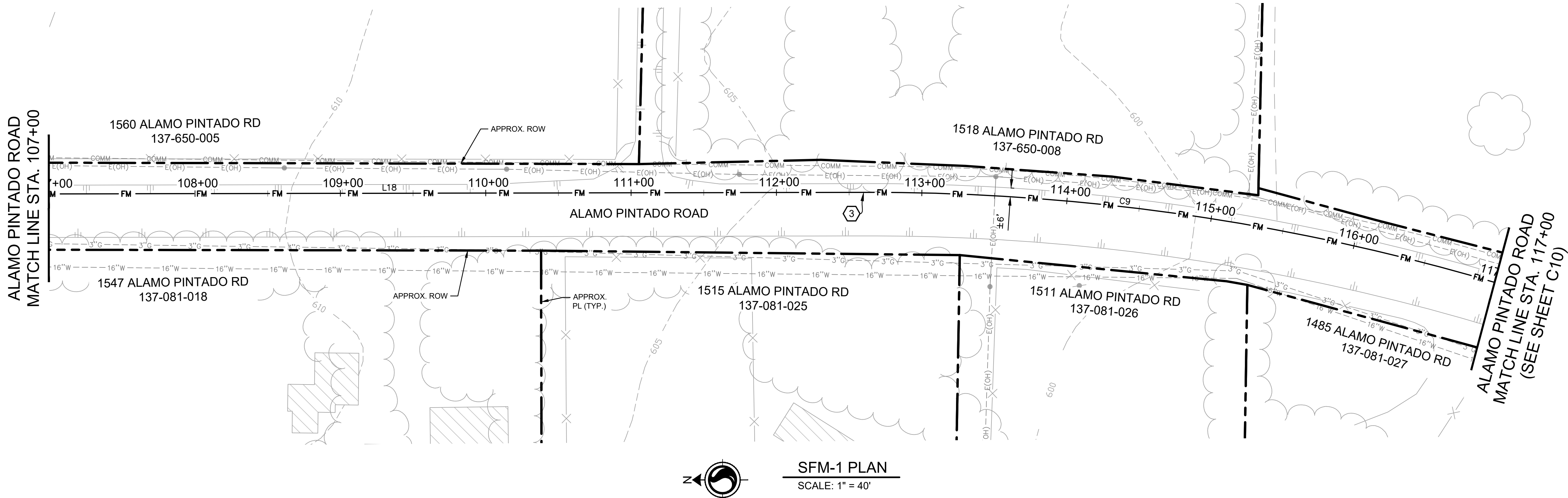
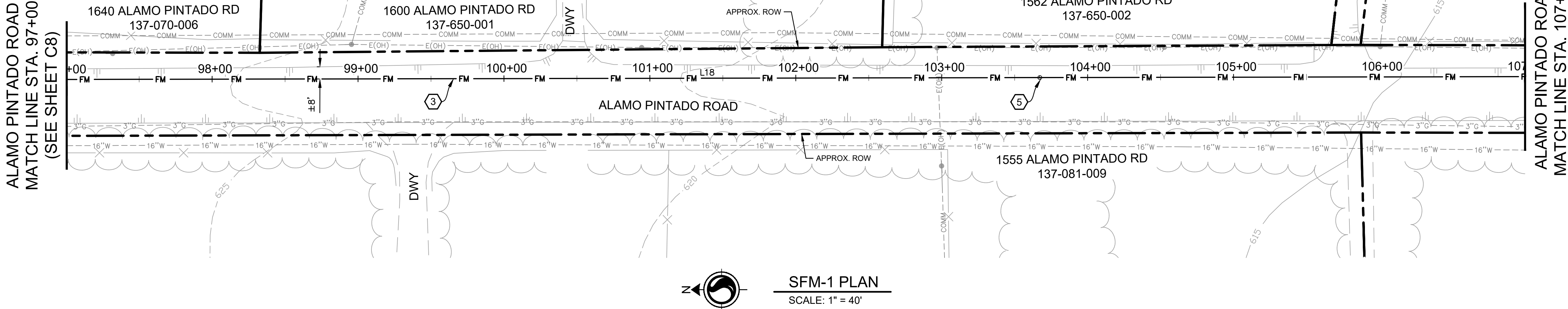
TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS. SEE SHEET G-2 FOR DESCRIPTION.	DESIGNED BY: JTZ		LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441	PROJECT NO. 184032474
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983	DRAFTED BY: GMK		LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT	
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988	CHECKED BY: CEP			SHT. 10 OF 16
	DATE: 03/07/2025			

NO.	DATE	REVISIONS

WARNING

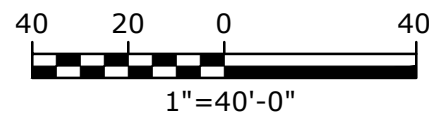
0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

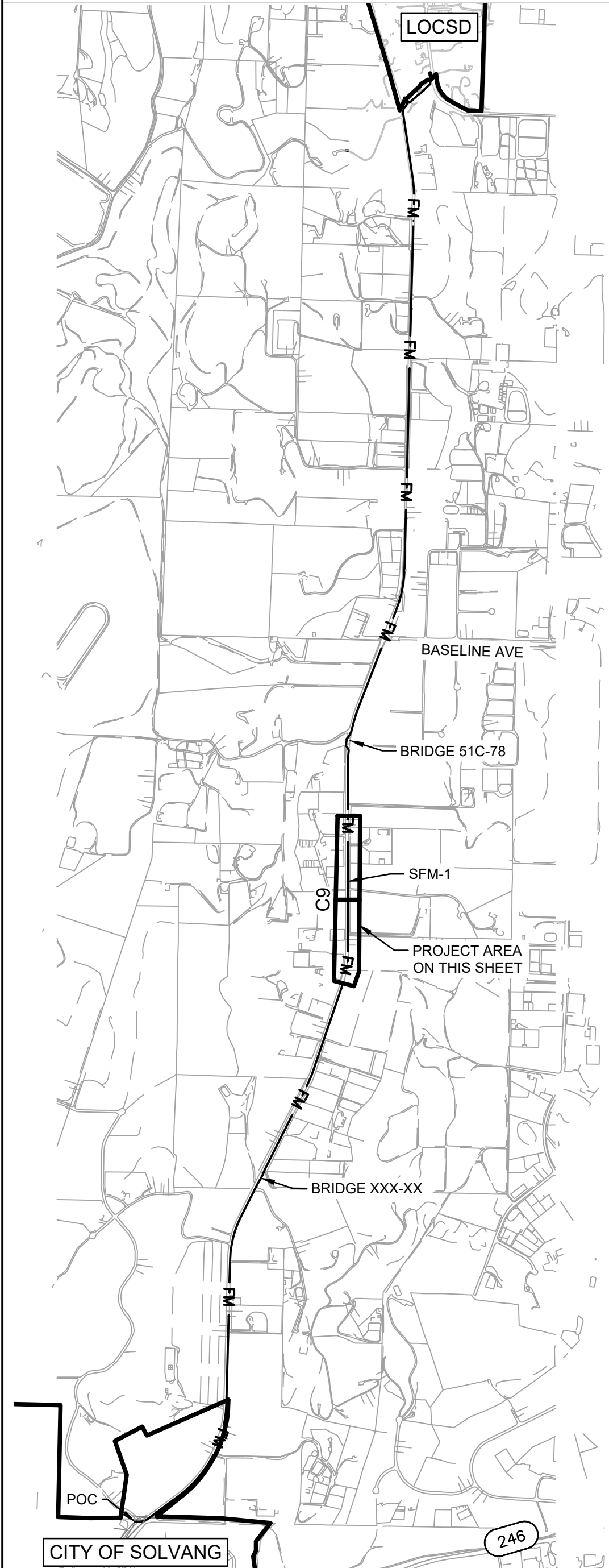


LINE TABLE		
LINE	DISTANCE	BEARING
L18	2158.43	S0°06'34"E

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C9	18°38'36"	1512.00	491.98



KEY MAP



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

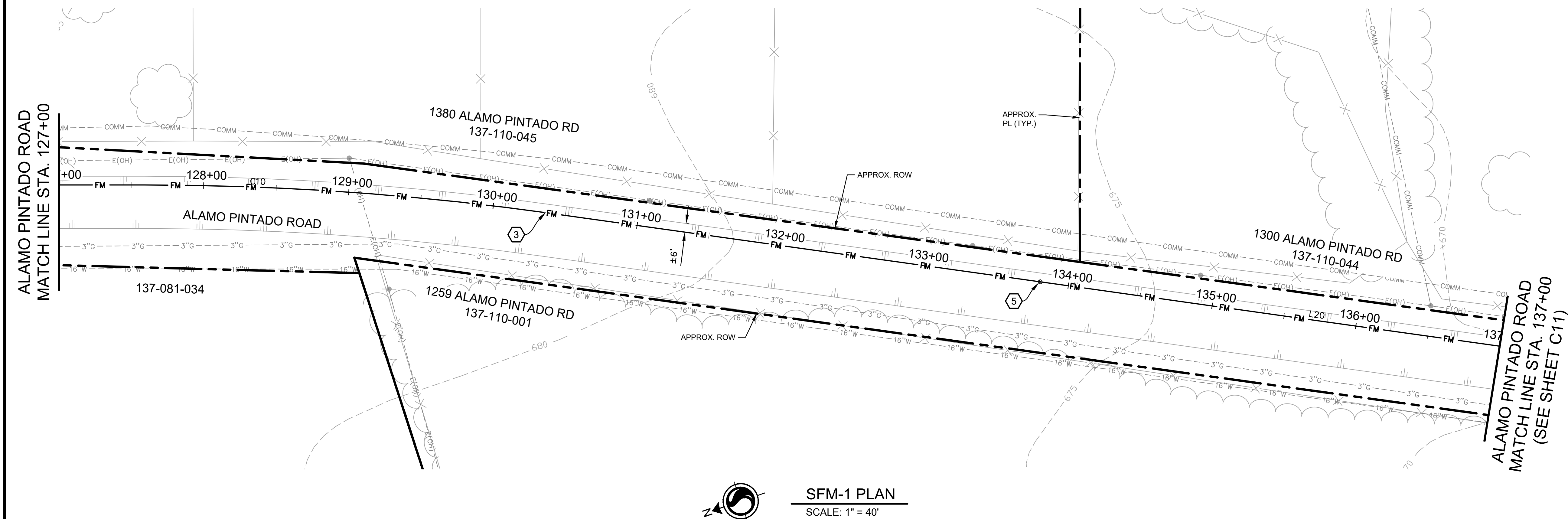
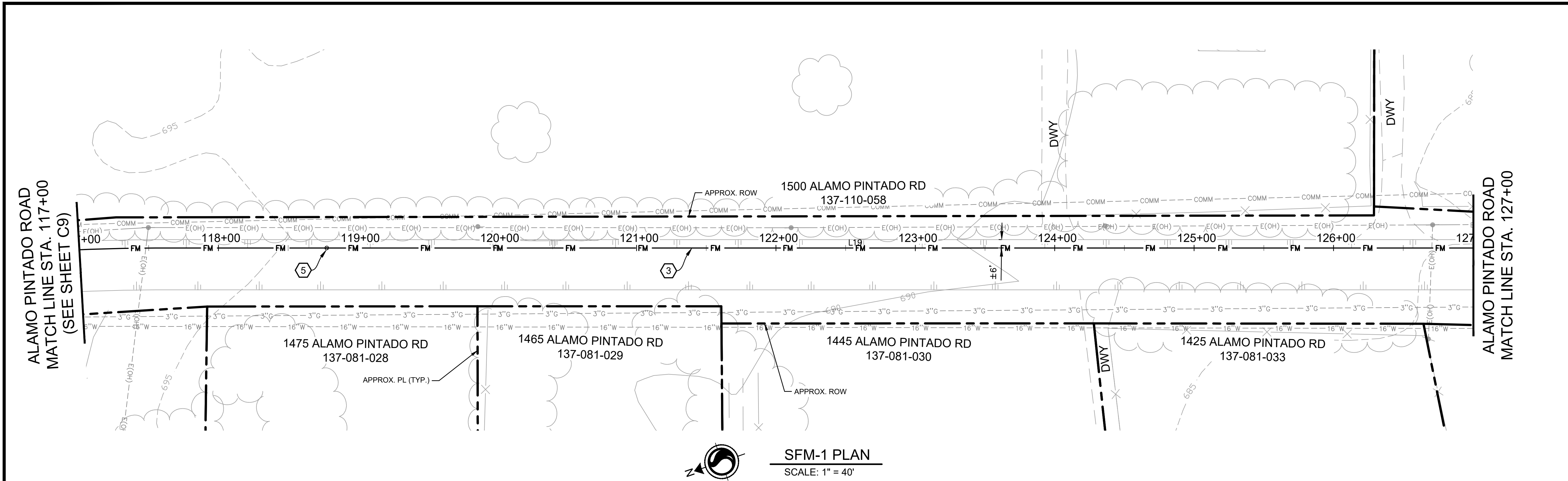
WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441
LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

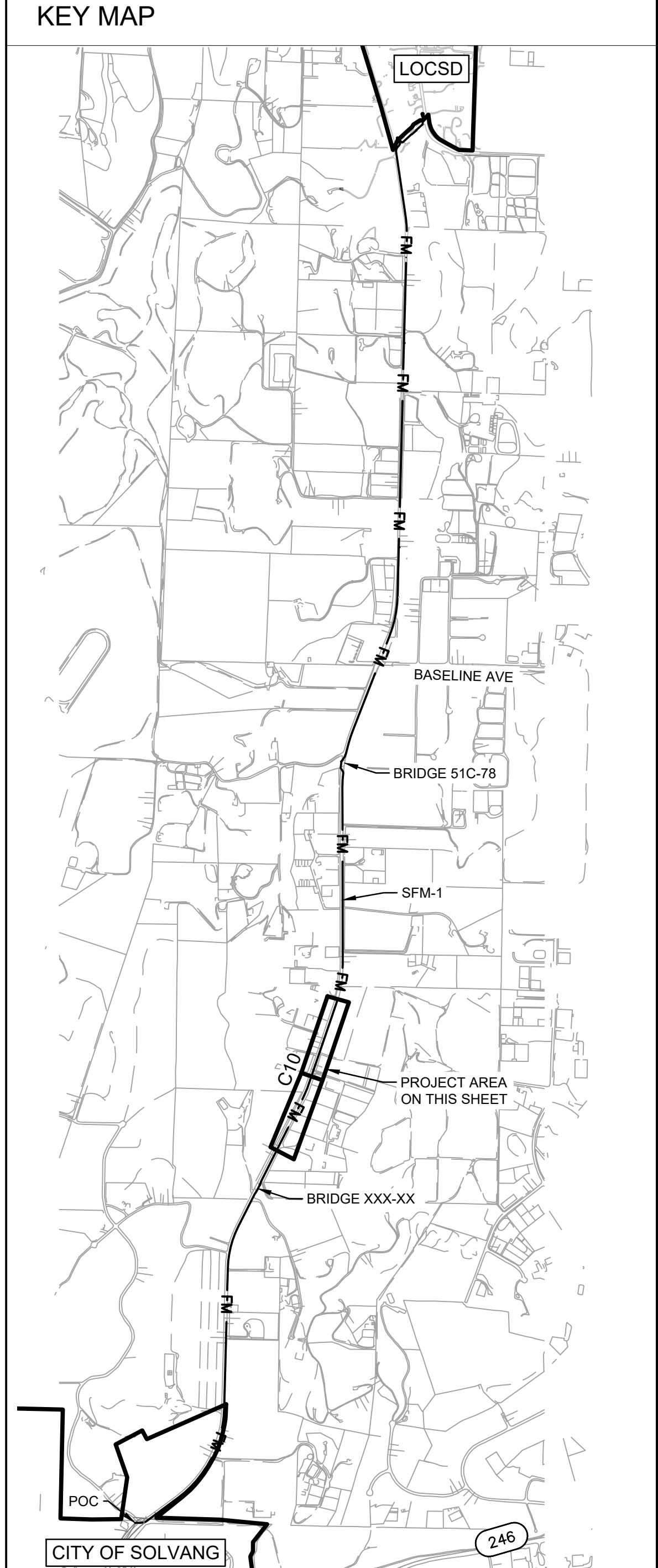
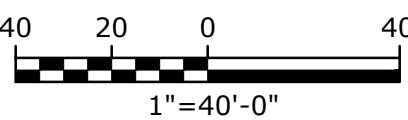
SEWER FORCE MAIN PLAN
SFM-1 STA 97+00 TO STA 117+00
ALAMO PINTADO ROAD

PROJECT NO.
184032474
DWG NO. C9
SHT. 11 OF 16



LINE TABLE		
LINE	DISTANCE	BEARING
L19	1004.27	S18°47'30"W
L20	1067.41	S26°45'14"W

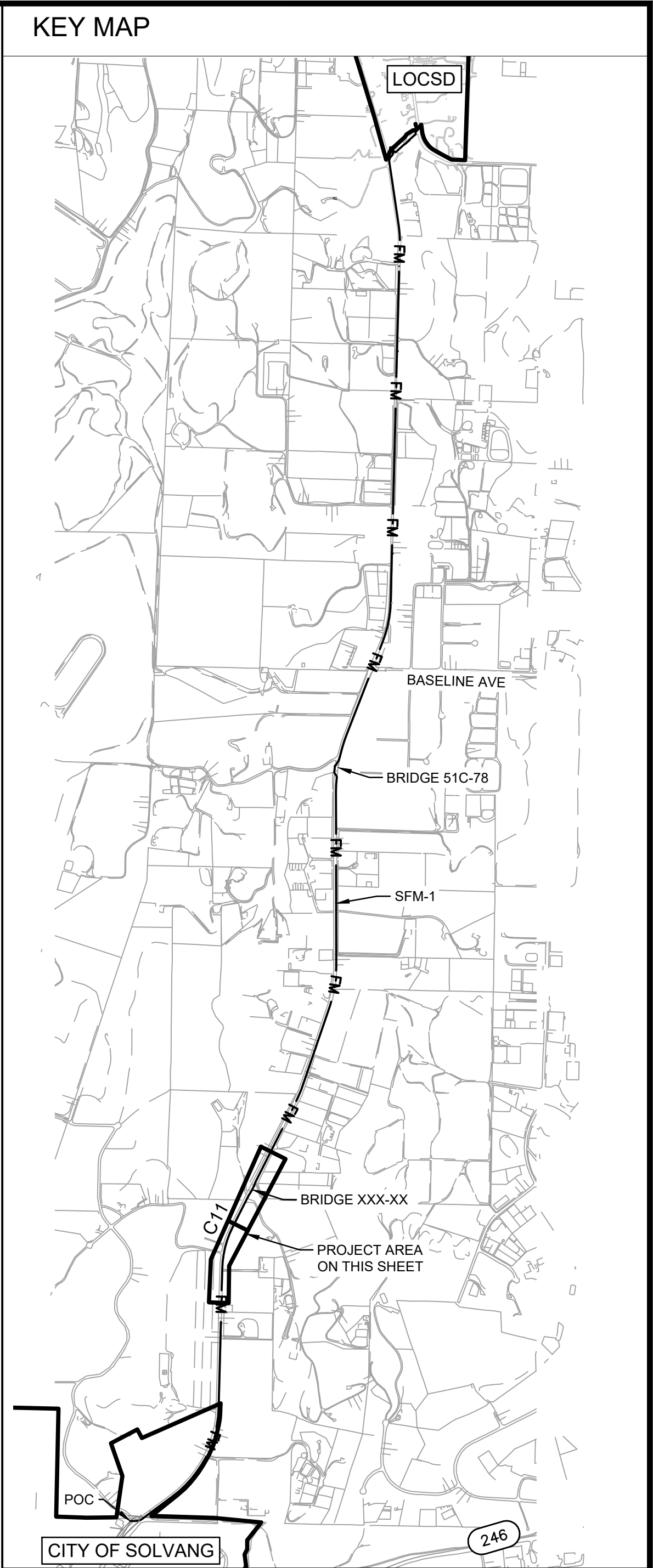
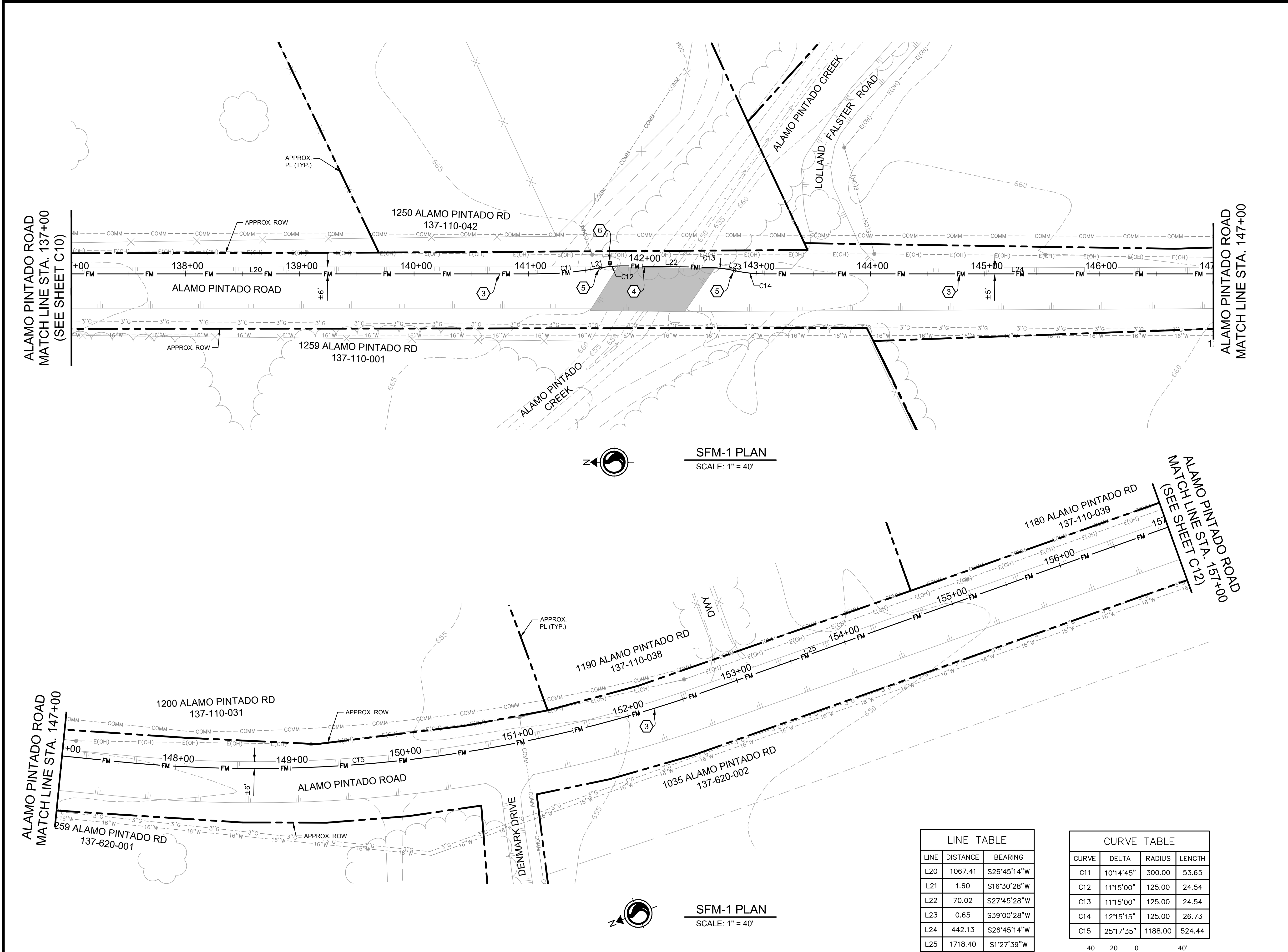
CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C10	7°57'44"	2012.00	279.60



- SHEET CONSTRUCTION NOTES**
- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
 - PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
 - PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
 - PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
 - PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
 - PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
 - CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
 - PROPOSED 4" DI 45° BEND (FL X FL).
 - PROPOSED 4" DI 22.5° BEND (FL X FL).
 - PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.	DESIGNED BY: JTZ		LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441	PROJECT NO. 184032474			
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983	DRAFTED BY: GMK				CITY OF SOLVANG WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT	SEWER FORCE MAIN PLAN SFM-1 STA 117+00 TO STA 137+00 ALAMO PINTADO ROAD	
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988	CHECKED BY: CEP						DWG NO. C10
	DATE: 03/07/2025						
NO. DATE REVISIONS							



- KEY MAP**
- SHEET CONSTRUCTION NOTES**
- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
 - PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
 - PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
 - PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
 - PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
 - PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
 - CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
 - PROPOSED 4" DI 45° BEND (FL X FL).
 - PROPOSED 4" DI 22.5° BEND (FL X FL).
 - PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS. SEE SHEET G-2 FOR DESCRIPTION.	DESIGNED BY: JTZ		LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441	PROJECT NO. 184032474	
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983	DRAFTED BY: GMK		LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT		DWG NO. C11
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988	CHECKED BY: CEP				SHT. 13 OF 16
	DATE: 03/07/2025				

NO.	DATE	REVISIONS

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

LOS OLIVOS COMMUNITY SERVICES DISTRICT

PO Box 345, Los Olivos CA 93441

LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN

SFM-1 STA 137+00 TO STA 157+00

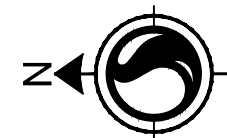
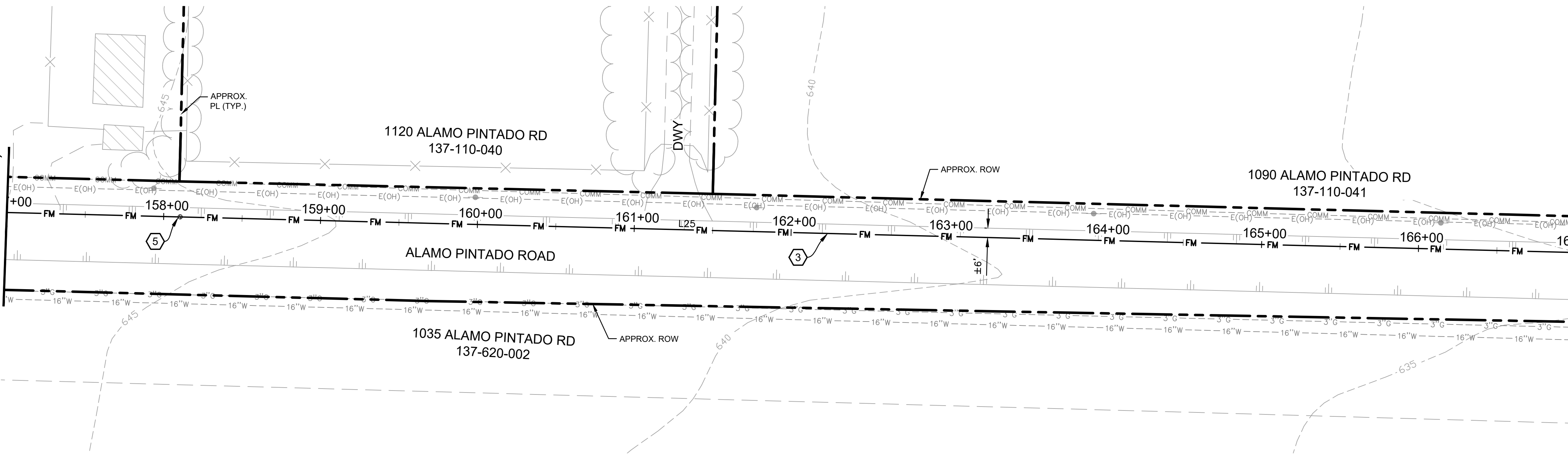
ALAMO PINTADO ROAD

PROJECT NO.
184032474

DWG NO. C11

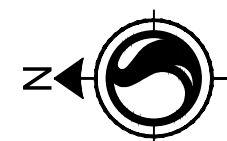
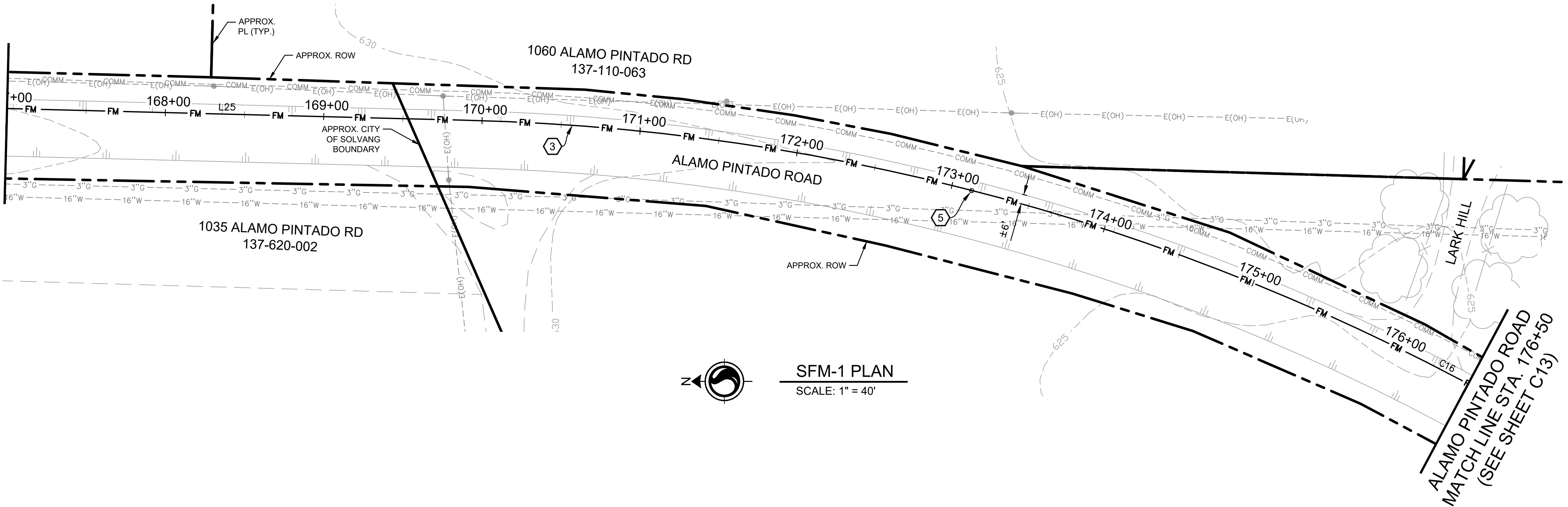
SHT. 13 OF 16

ALAMO PINTADO ROAD
MATCH LINE STA. 157+00
(SEE SHEET C11)



SFM-1 PLAN
SCALE: 1" = 40'

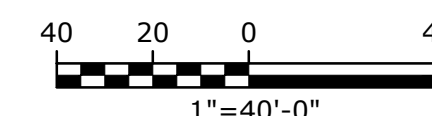
ALAMO PINTADO ROAD
MATCH LINE STA. 167+00



SFM-1 PLAN
SCALE: 1" = 40'

LINE TABLE		
LINE	DISTANCE	BEARING
L25	1718.40	S1°27'39"W

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C16	51°57'08"	1412.00	1280.31



30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.
HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

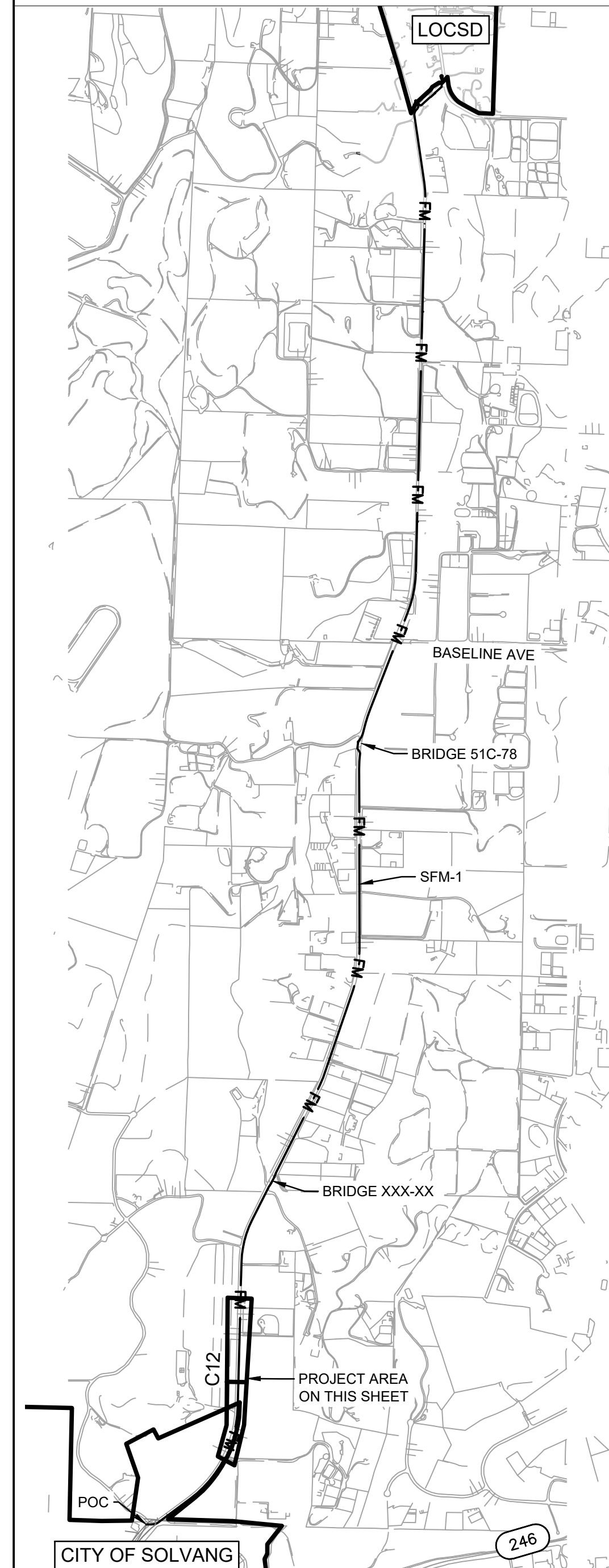


LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441
LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN
SFM-1 STA 157+00 TO STA 177+00
ALAMO PINTADO ROAD

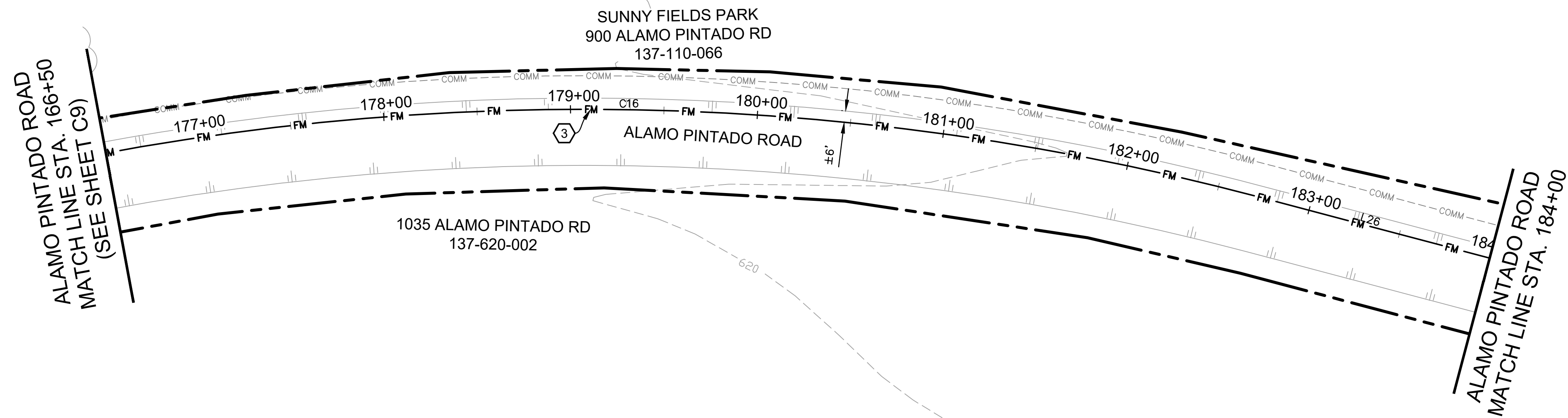
PROJECT NO.
184032474
DWG NO. C12
SHT. 14 OF 16

KEY MAP

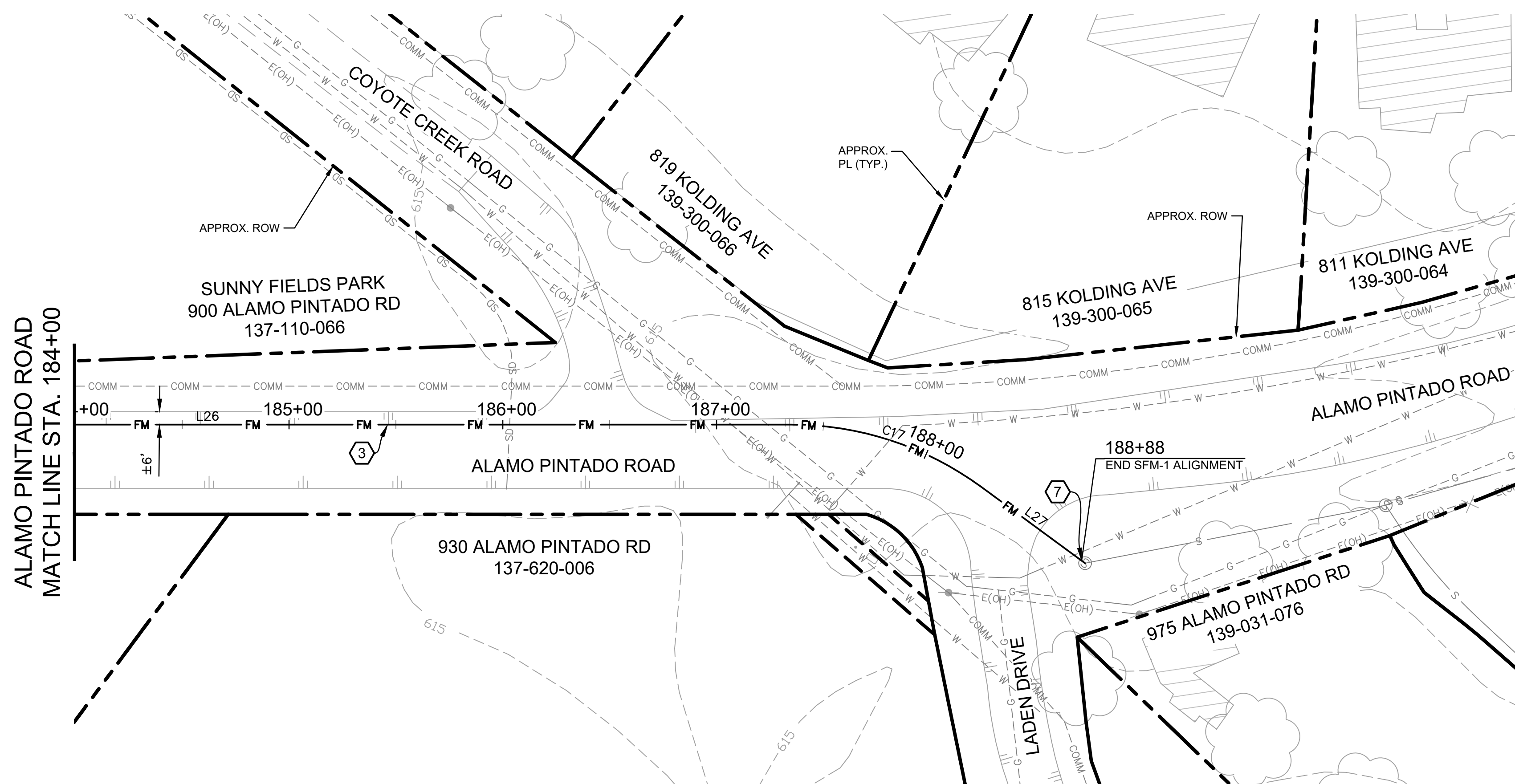


SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).



SFM-1 PLAN
SCALE: 1" = 40'

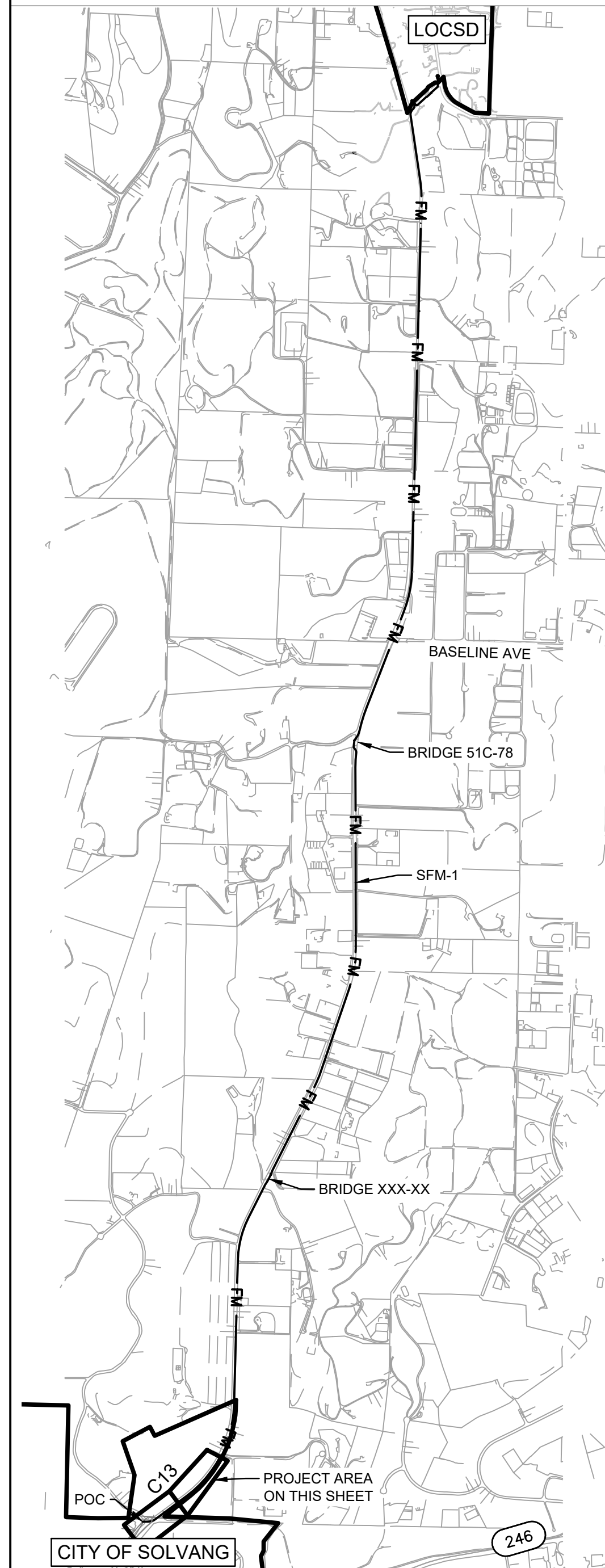


SFM-1 PLAN
SCALE: 1" = 40'

LINE TABLE		
LINE	DISTANCE	BEARING
L26	461.79	S53°24'47"W
L27	58.41	S89°41'39"W

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C16	51°57'08"	1412.00	1280.31
C17	36°16'52"	150.00	94.98

KEY MAP



SHEET CONSTRUCTION NOTES

- PROPOSED 4-INCH AWWA C900 PVC CL165 FORCE MAIN VIA OPEN CUT TRENCH METHOD PER DETAIL A, SHEET C14.
- PROPOSED 4-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED 6-INCH AWWA C906 HDPE DR 21 FORCE MAIN BUTT-FUSED PER ASTM F2620 VIA OPEN CUT TRENCH OR HORIZONTAL DIRECTIONAL DRILLING METHOD PER DETAIL A, SHEET C14.
- PROPOSED 6-INCH AWWA C150 DI CLASS 50 FORCE MAIN LINED WITH INDURON PROTECTO 401 AND EPOXY COATED HANGING ON BRIDGE.
- PROPOSED GATE VALVE PER DETAIL D, SHEET C14.
- PROPOSED 1-INCH WASTEWATER COMBINATION AIR RELEASE / VACUUM VALVE PER DETAIL B, SHEET C14.
- CONNECT TO EXISTING SMH-MD-014 PER DETAIL C, SHEET C14.
- PROPOSED 4" DI 45° BEND (FL X FL).
- PROPOSED 4" DI 22.5° BEND (FL X FL).
- PROPOSED 4" DI 11.25° BEND (FL X FL).

30% SUBMITTAL

TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS. SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

NO.	DATE	REVISIONS

DESIGNED BY: JTZ
DRAFTED BY: GMK
CHECKED BY: CEP
DATE: 03/07/2025

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

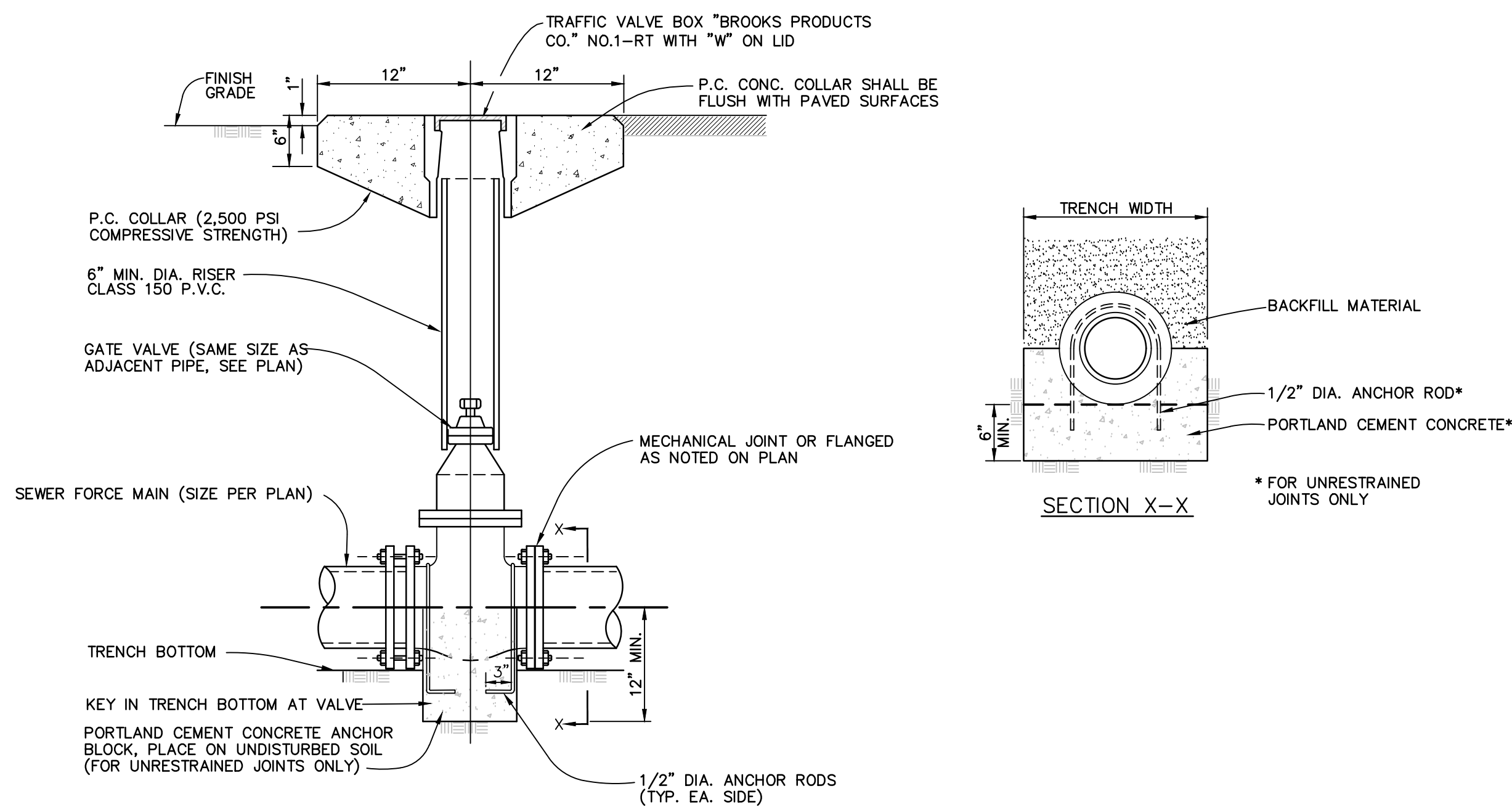
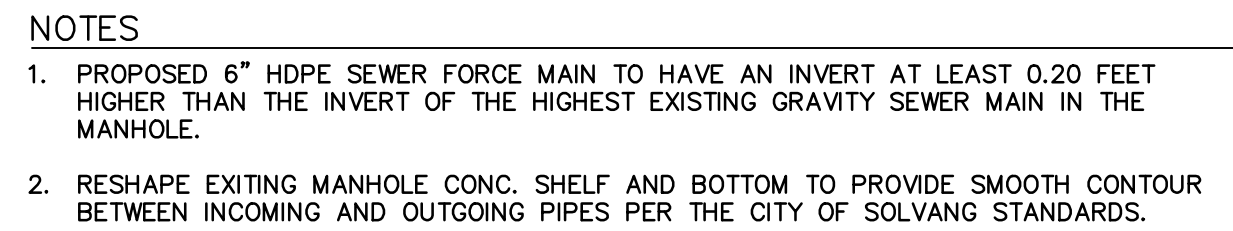
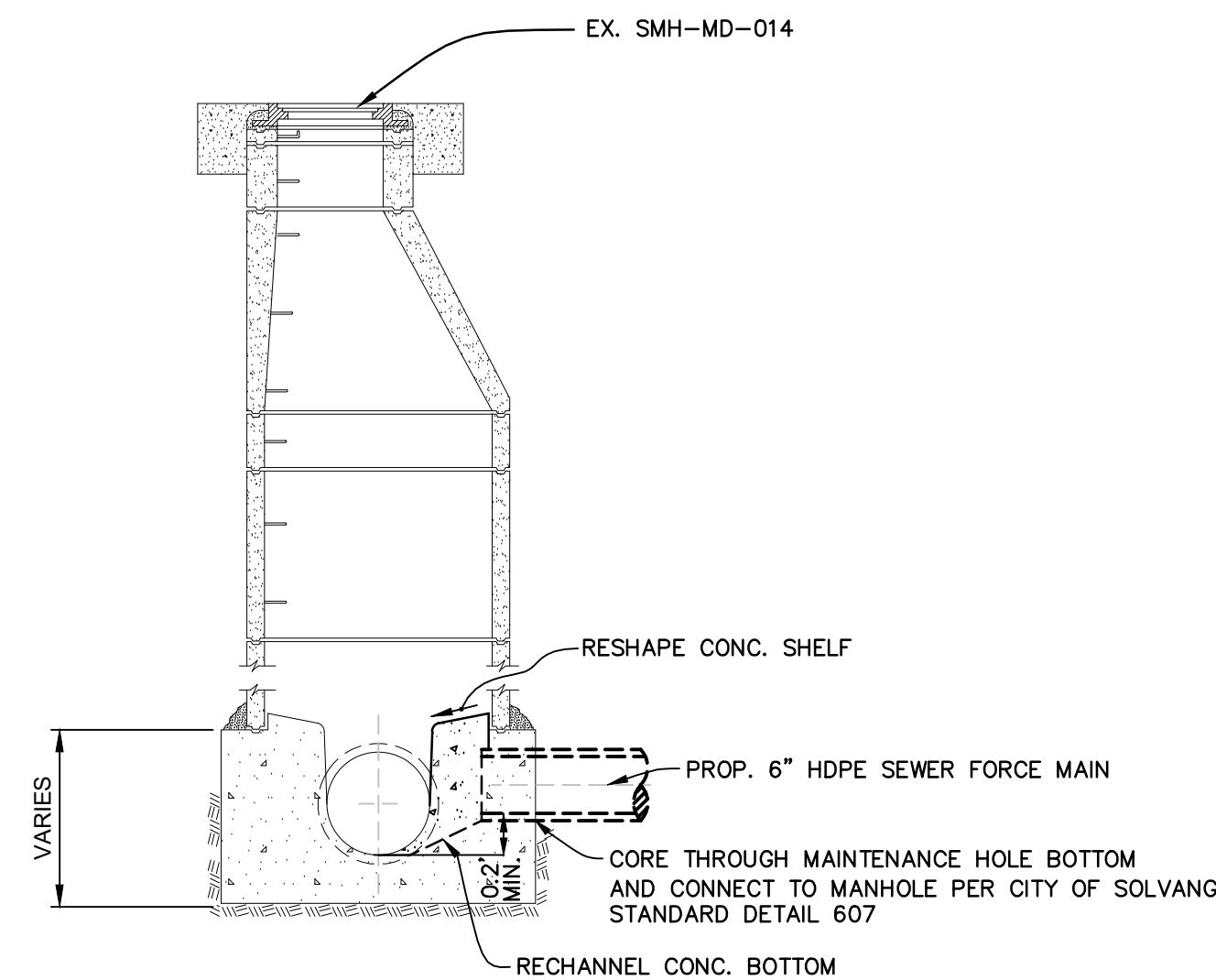
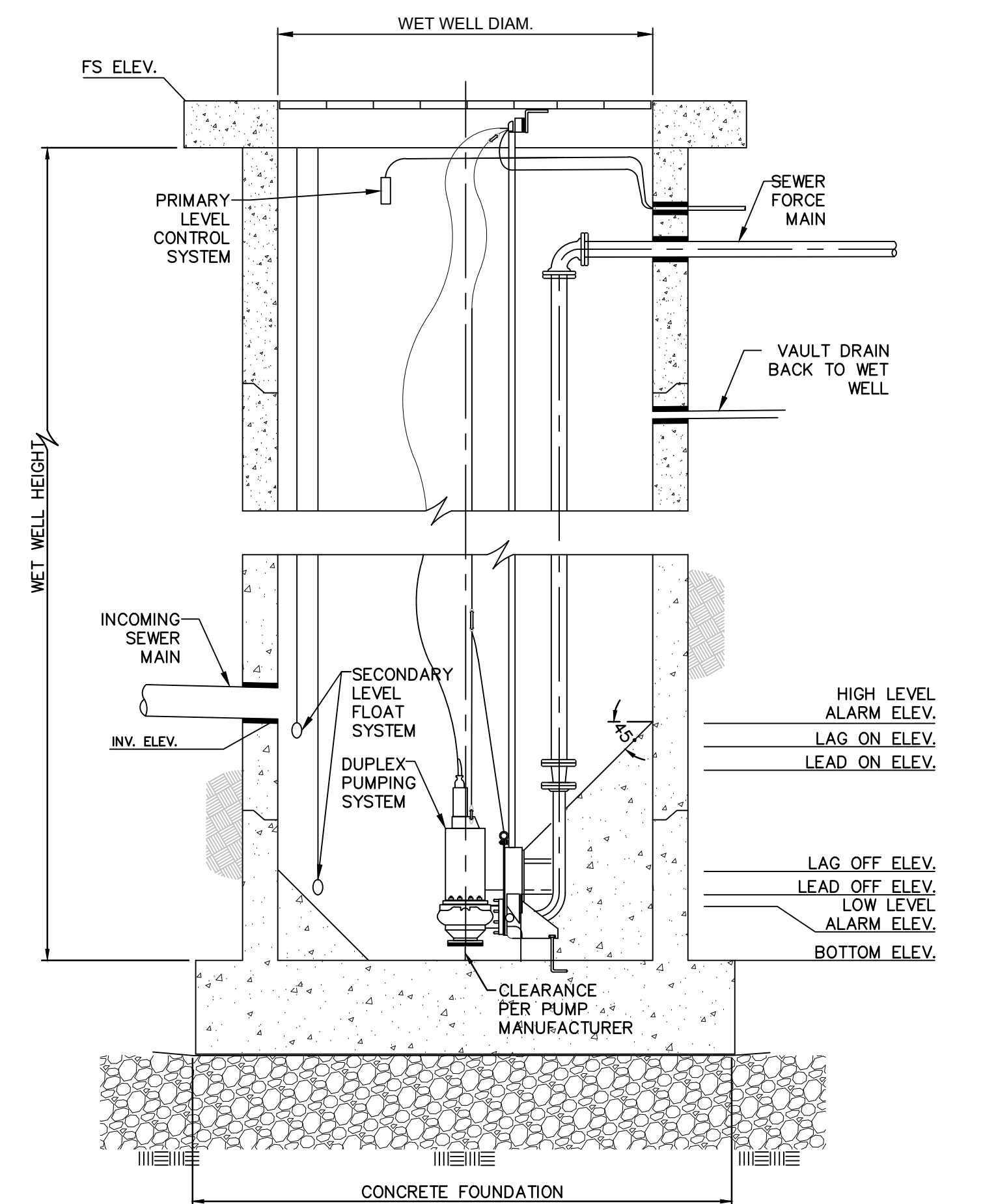
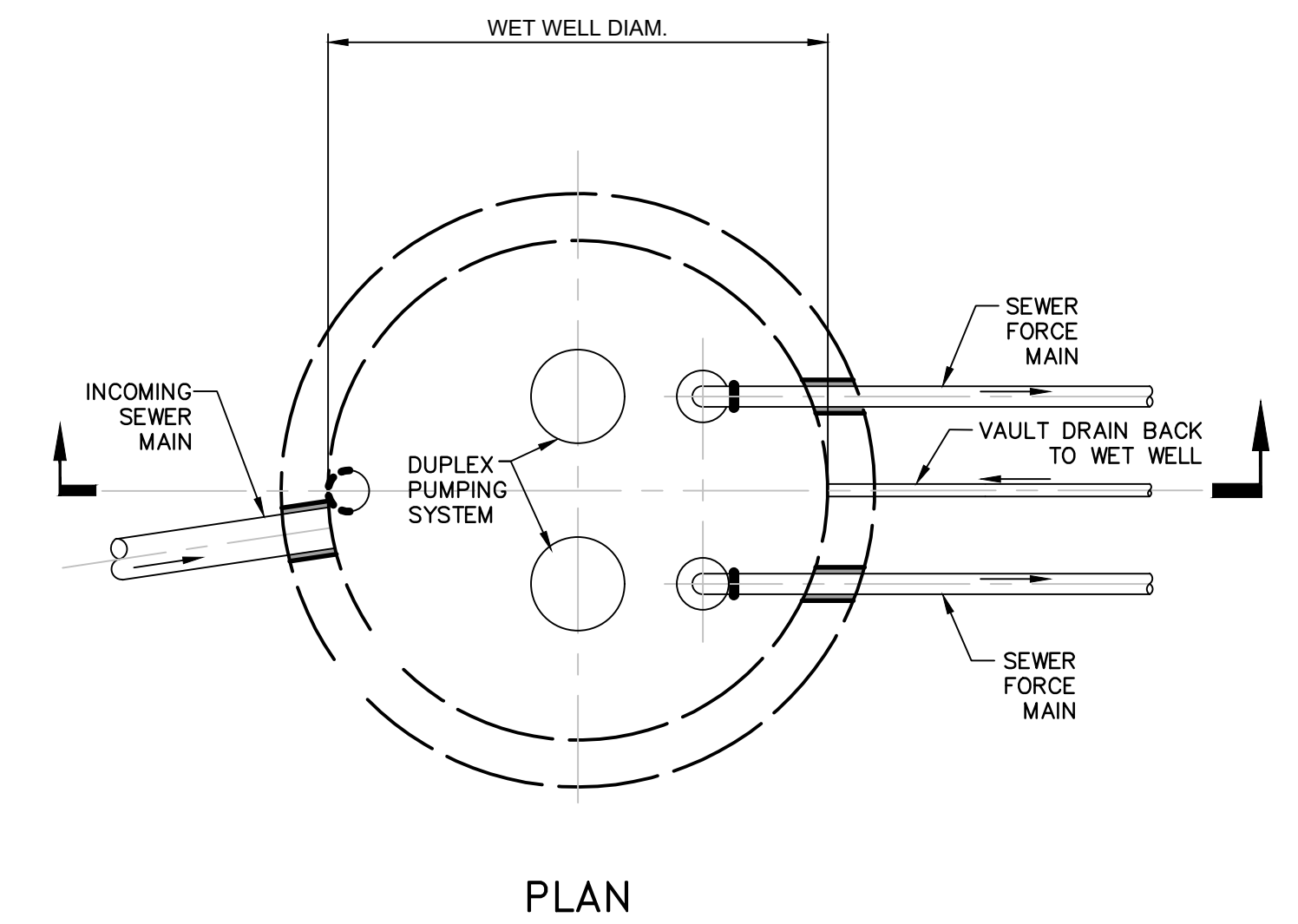
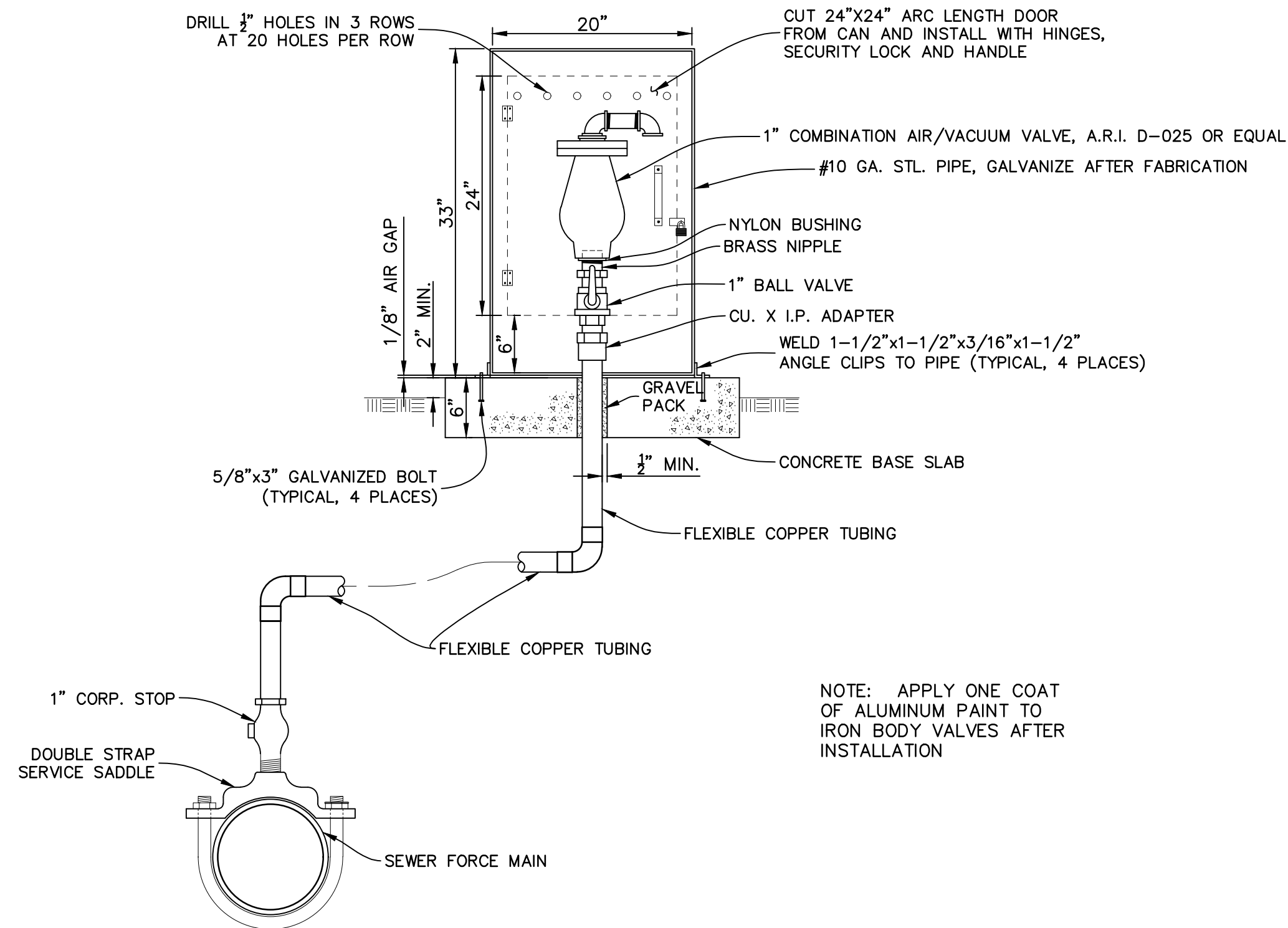
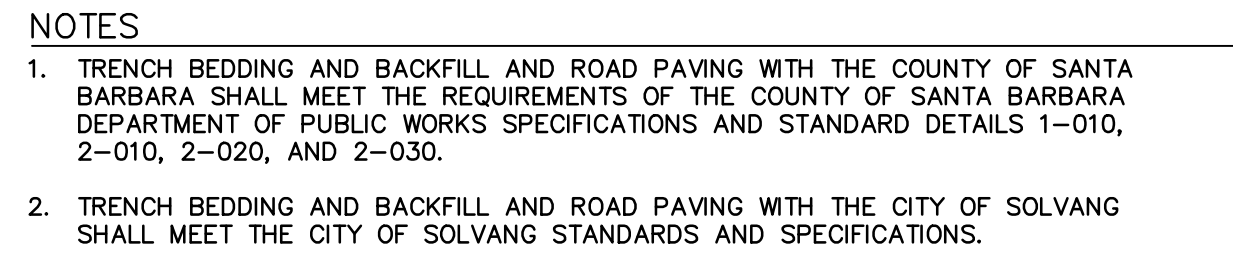


LOS OLIVOS COMMUNITY SERVICES DISTRICT
PO Box 345, Los Olivos CA 93441

LOCSD WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT

SEWER FORCE MAIN PLAN
SFM-1 PLAN STA 166+50 TO STA 188+88
ALAMO PINTADO ROAD

PROJECT NO.
184032474
DWG NO. C13
SHT. 15 OF 16



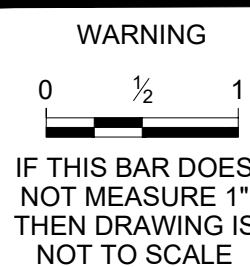
TOPOGRAPHICAL DATA SHOWN ON PLANS IS A COMBINATION OF TWO AERIAL SURVEYS, SEE SHEET G-2 FOR DESCRIPTION.

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM STATE PLANE ZONE V, NORTH AMERICAN DATUM 1983

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988

N.O.	DATE	REVISIONS

DESIGNED BY:	JTZ
DRAFTED BY:	GMK
CHECKED BY:	CEP
DATE:	03/07/2025



<p>LOS OLIVOS COMMUNITY SERVICES DISTRICT PO Box 345, Los Olivos CA 93441</p>
<p>LOCSO WASTEWATER CONNECTION TO CITY OF SOLVANG PROJECT</p>

PRELIMINARY - NOT
FOR CONSTRUCTION

DETAILS

ALAMO PINTADO ROAD

PROJECT NO.
184032474

WG NO. GC-1

HT. 16 OF 16

LOCSD Pipeline to Solvang Cost Estimate

Stantec

Project: LOCSD PIPELINE TO SOLVANG

200 E. Carrillo Street, Suite 101

Location: Los Olivos, Santa Barbara County

Santa Barbara, CA 93101

Client: Los Olivos Community Services District

(805) 963-9532

W.O. No.: 184032474

Date: 3/7/2025

Calc'd By: JTZ/CEP

Path Name: U:\184032474\engineering\cost\

File Name: 184032474_LOCSDtoSolvang_OPCC.xlsx

30% Design

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	Mobilization and Demobilization	LS	1	\$ 200,000	\$ 200,000
2	Traffic Control	LS	1	\$ 150,000	\$ 150,000
3	Proposed 4" DI Class 50 Pipe Bridge Crossing	LF	80	\$ 350	\$ 28,000
4	Proposed 4" PVC CL 165 Pipe	LF	450	\$ 230	\$ 103,500
5	Proposed 6" DI Class 50 Pipe Bridge Crossing	LF	205	\$ 375	\$ 76,875
6	Proposed 6" HDPE DR 21 Pipe	LF	17,690	\$ 300	\$ 5,307,000
7	Proposed Sewer Force Main Isolation Valves	EA	15	\$ 2,500	\$ 37,500
8	Proposed Wastewater Combination Air/Vacuum Valve	EA	5	\$ 7,000	\$ 35,000
9	Proposed Grand Lift Station	LS	1	\$ 506,550	\$ 506,550
	8-ft Diam Wet Well	EA	1	\$ 20,000	\$ 20,000
	Duplex Pumps, Piping, Instrumentation, and Controls	LS	1	\$ 150,000	\$ 150,000
	Automatic Transfer Switch	EA	1	\$ 25,000	\$ 25,000
	Valve Vault and Hatch	EA	1	\$ 10,000	\$ 10,000
	Wastewater Combo Air/Vac Valve	EA	2	\$ 5,000	\$ 10,000
	4-inch Valve (plug, check)	EA	4	\$ 2,500	\$ 10,000
	4-inch DI Piping, Buried	LF	25	\$ 300	\$ 7,500
	4-inch Fittings	EA	6	\$ 1,250	\$ 7,500
	4-inch Meter	EA	1	\$ 8,000	\$ 8,000
	Shoring, Grading, Excavation for Site	LS	1	\$ 30,000	\$ 30,000
	Site Electrical	LS	1	\$ 100,000	\$ 100,000
	New Electrical Service	LS	1	\$ 100,000	\$ 100,000
	Aggregate Paving	SF	1000	\$ 1	\$ 1,050
	Fencing and Gates	LS	1	\$ 20,000	\$ 20,000
	10-inch PVC SDR35 Gravity Sewer	LF	30	\$ 250	\$ 7,500
10	Proposed Santa Barbara Lift Station	LS	1	\$ 1,009,050	\$ 1,009,050
	12-ft Dia. Wet Well	EA	1	\$ 40,000	\$ 40,000
	Duplex Pumps, Piping, Instrumentation, and Controls	LS	1	\$ 200,000	\$ 200,000
	Variable Frequency Drive	EA	1	\$ 50,000	\$ 50,000
	Automatic Transfer Switch	EA	1	\$ 40,000	\$ 40,000
	Valve Vault and Hatch	EA	1	\$ 10,000	\$ 10,000
	Wastewater Combo Air/Vac Valve	EA	2	\$ 5,000	\$ 10,000
	4-inch Valve (plug, check)	EA	4	\$ 2,500	\$ 10,000
	4-inch DI piping, Buried	LF	15	\$ 300	\$ 4,500
	4-inch Fittings	EA	5	\$ 1,250	\$ 6,250
	6-inch DI piping	LF	5	\$ 350	\$ 1,750

	6-inch fittings	EA	2	\$ 1,500	\$ 3,000
	6-inch meter	EA	1	\$ 10,000	\$ 10,000
	Shoring, Grading, Excavation for Site	LS	1	\$ 75,000	\$ 75,000
	12-ft Dia. Addition Storage	EA	1	\$ 40,000	\$ 40,000
	Generator Building	EA	1	\$ 100,000	\$ 100,000
	Generator Set	EA	1	\$ 125,000	\$ 125,000
	Site Electrical	LS	1	\$ 100,000	\$ 100,000
	New Electrical Service	LS	1	\$ 100,000	\$ 100,000
	Aggregate Paving	SF	1000	\$ 1	\$ 1,050
	Concrete Paving	SF	1000	\$ 10	\$ 10,000
	Fencing and Gates	LS	1	\$ 30,000	\$ 30,000
	10-inch PVC SDR35 Gravity Sewer	LF	50	\$ 250	\$ 12,500
	Odor Control	EA	1	\$ 30,000	\$ 30,000
				Sub Total	\$ 7,453,475
				30% Contingency	\$ 2,236,043
				Total	\$ 9,689,518