

SANITARY LINE TABLE

	LENGTH	BEARING
L1	129.98	S13°40'40"E
L2	33.09	S13°40'40"E

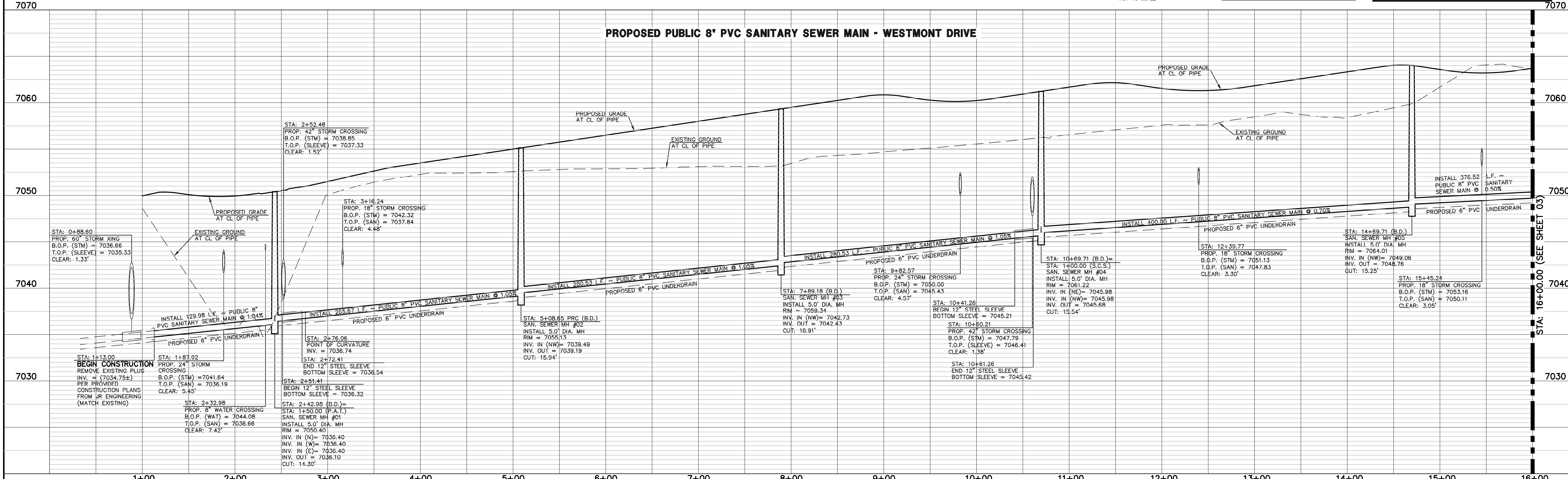
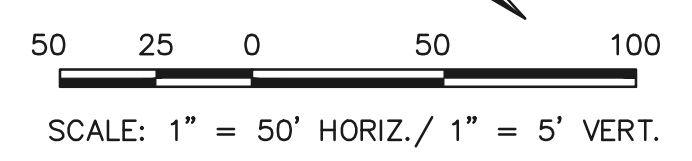
STREET ABBREVIATION INDEX:

B.D.	BELL FLOWER DRIVE
P.A.T.	PALO ALTO TRAIL
S.C.S.	SANTA CLARA STREET

SANITARY CURVE TABLE

	DELTA	LENGTH	RADIUS
C1	44°25'12"	232.58	300.00
C2	07°23'12"	280.53	2176.00
C3	07°23'12"	280.53	2176.00
C4	10°31'56"	400.00	2176.00
C5	07°50'20"	297.71	2176.00

NOTE:
EXISTING UTILITIES AND STORM SEWER SHOWN IN AN APPROXIMATE WAY ONLY. ALL EXISTING UTILITIES AND STORM SEWER TO BE POTHOLED AND VERIFIED BOTH HORIZONTALLY & VERTICALLY PRIOR TO CONSTRUCTION & CONFLICTS REPORTED TO ENGINEER.



LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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NO. REVISION

NO.	REVISION	DATE

REVIEW:

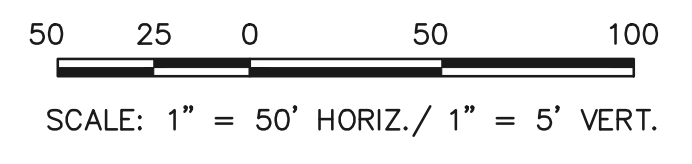
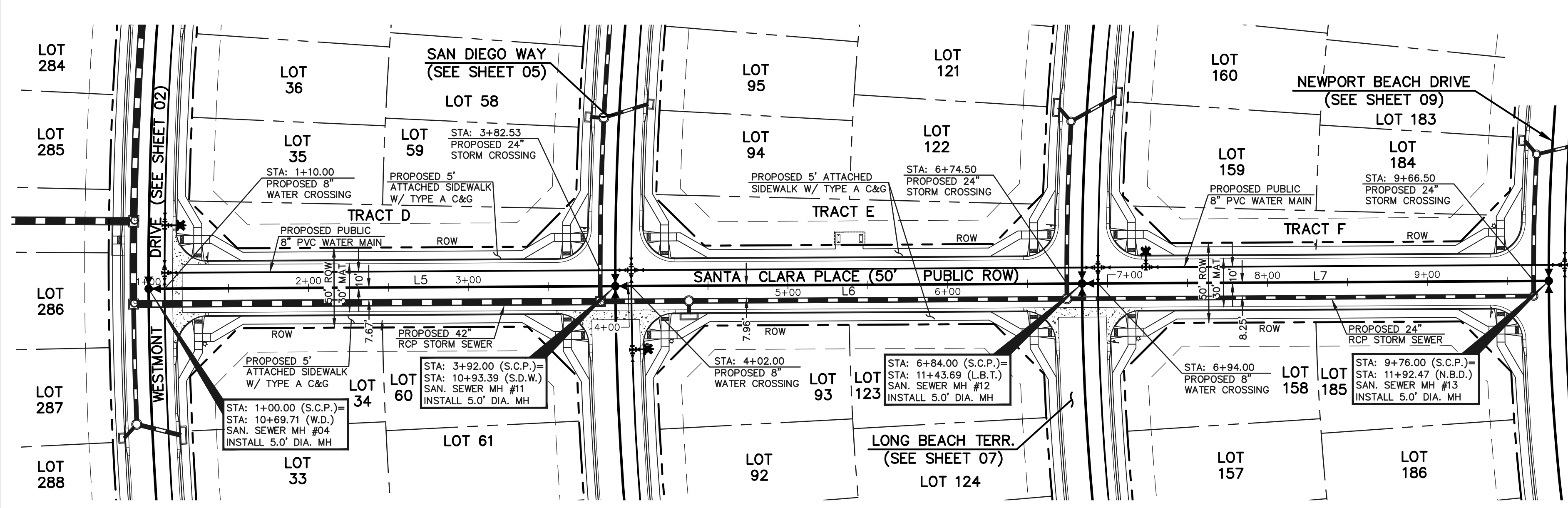
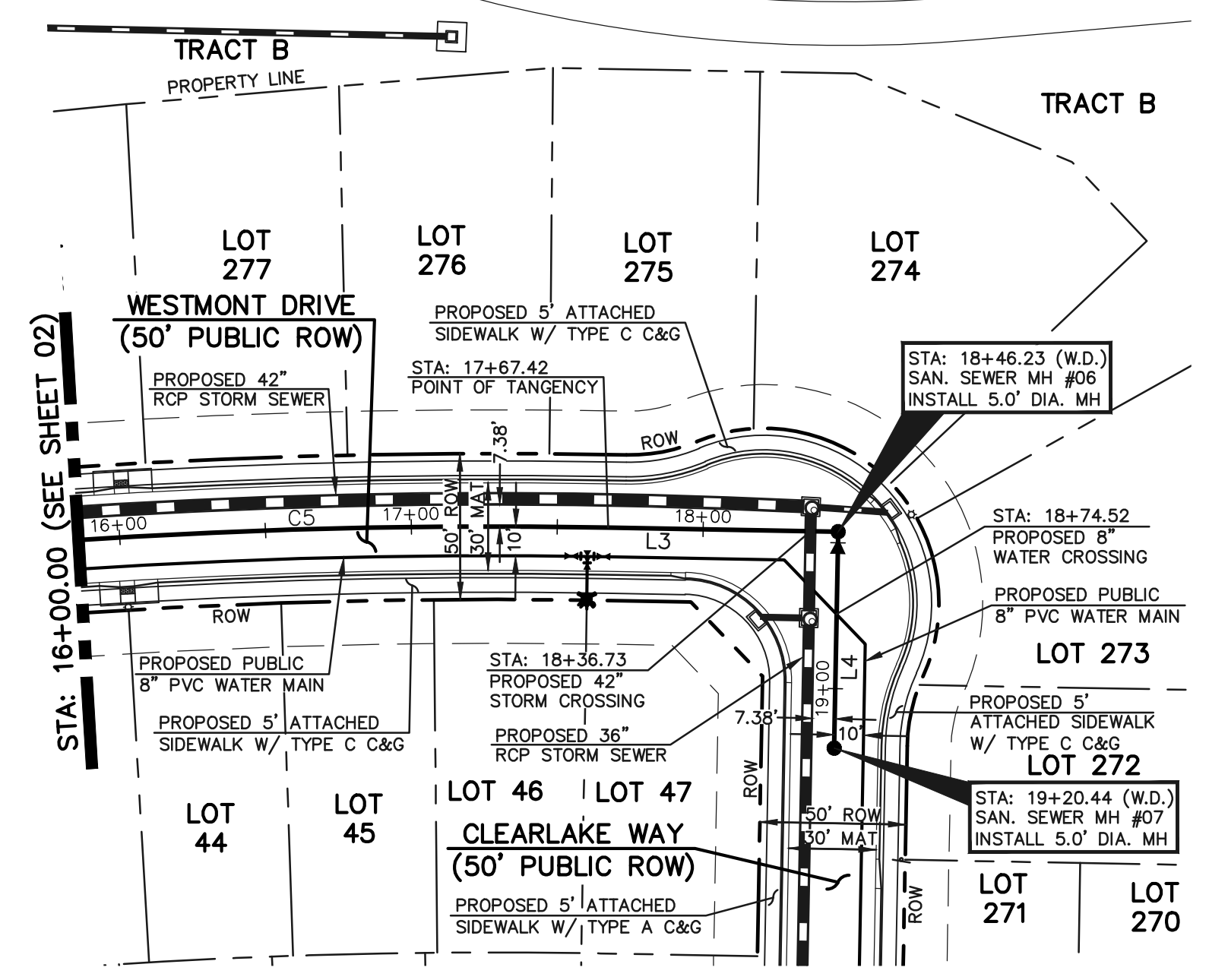
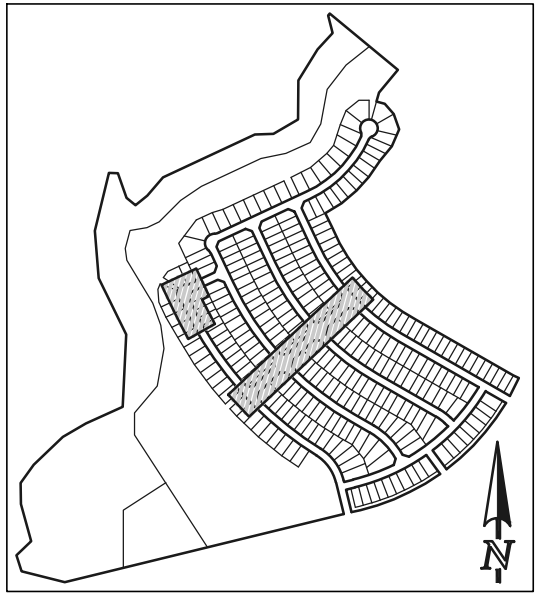
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794



STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
WESTMONT DRIVE
STA: 1+00.00 - 16+00.00

DESIGNED BY BB SCALE DATE 04/04/23
DRAWN BY BB (H) 1"= 50' SHEET 2 OF 17
CHECKED BY (V) 1"= 5' JOB NO. 1183.30

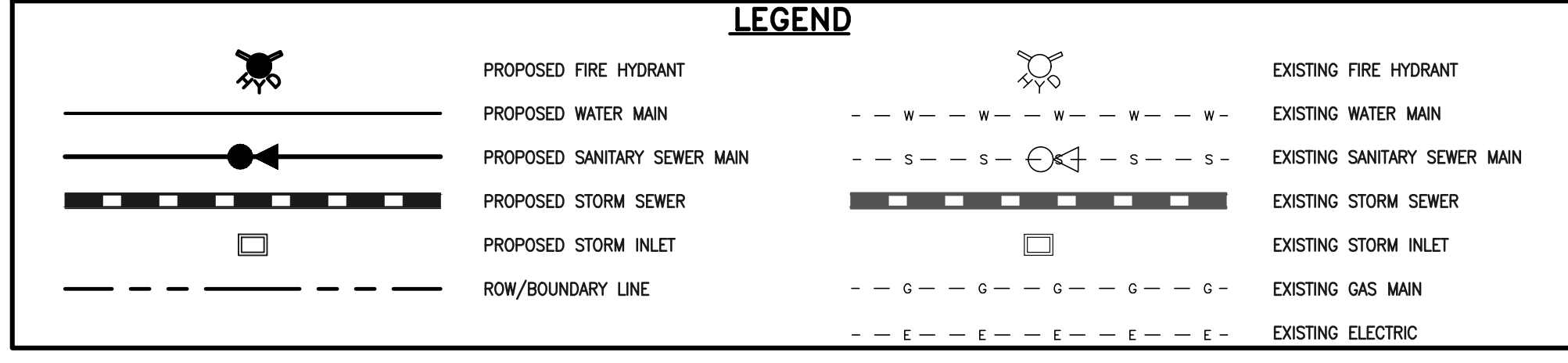
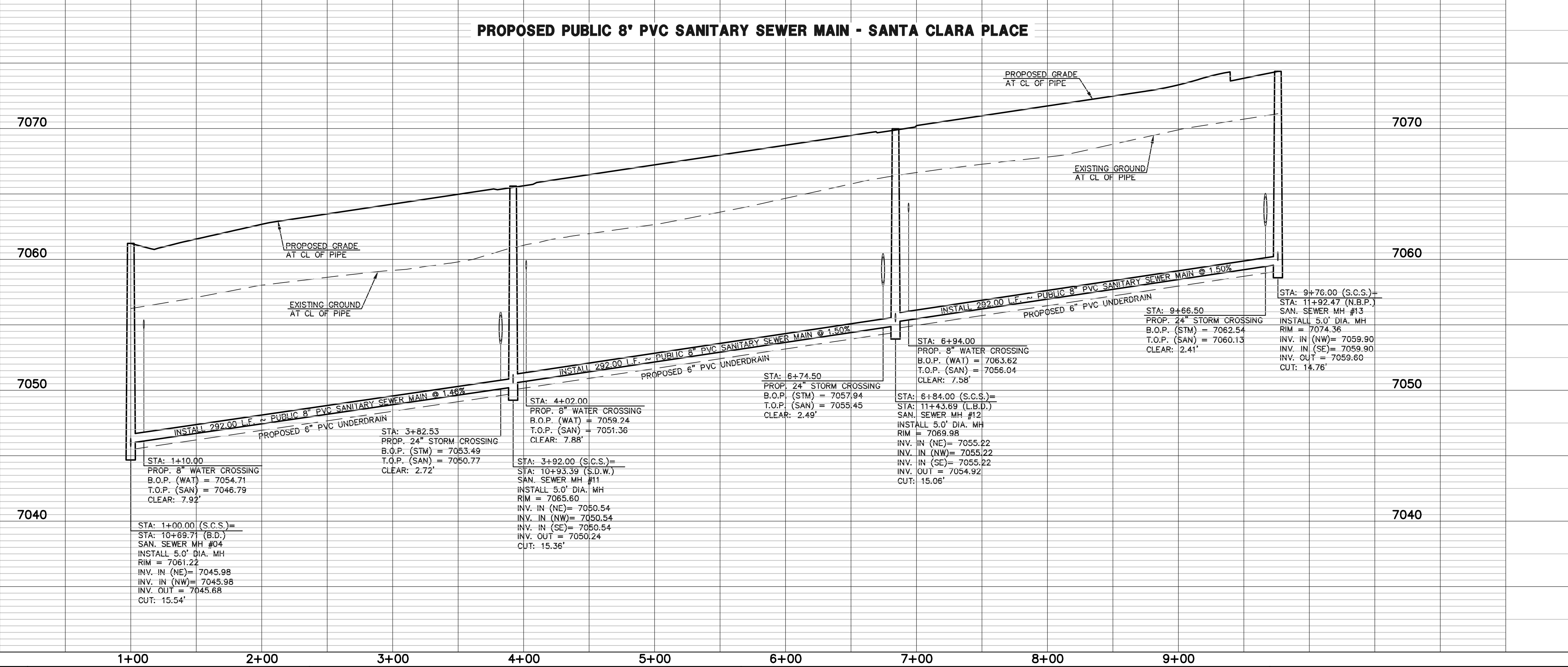
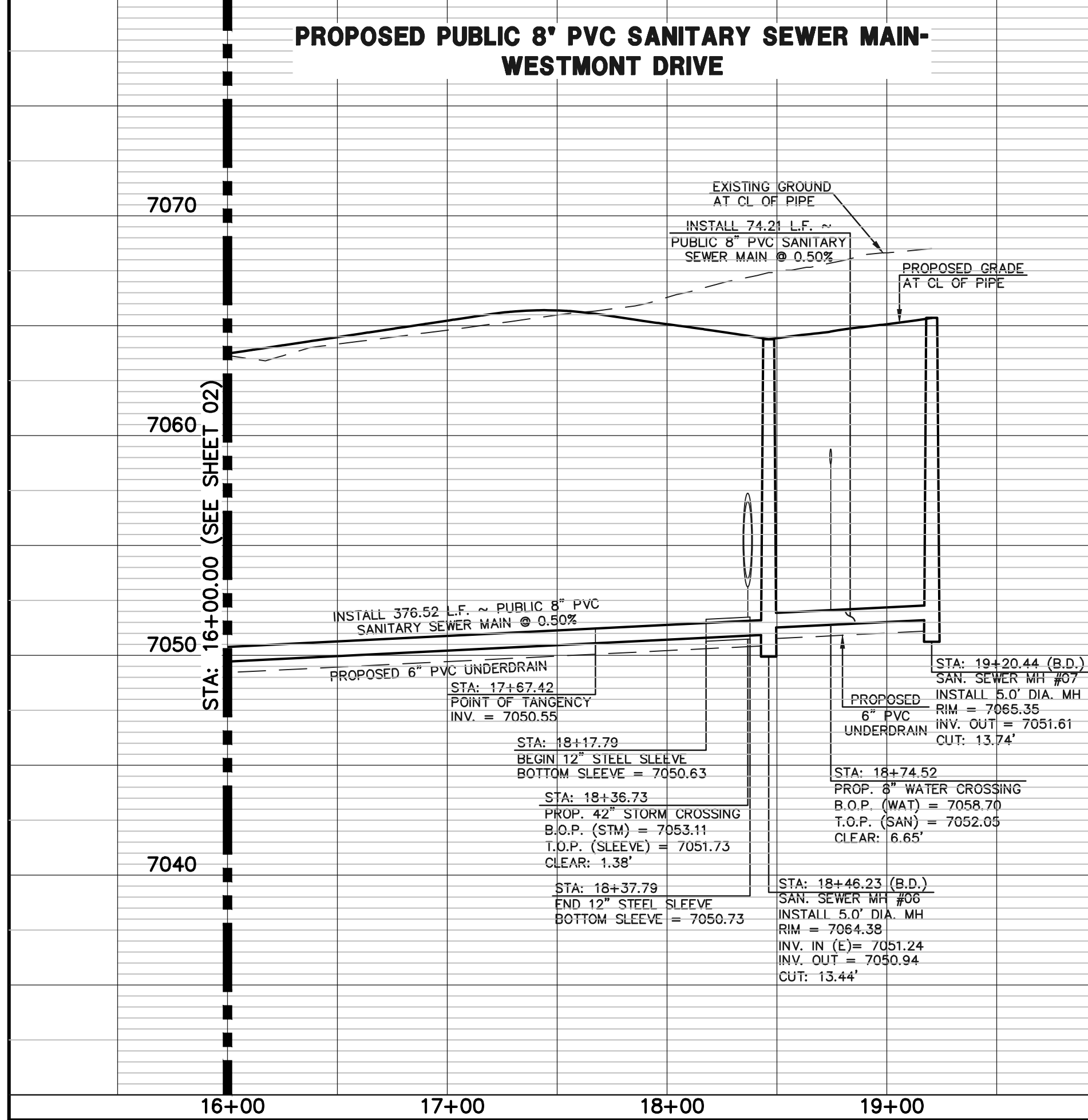


DELTA	LENGTH	RADIUS	
C5	07°50'20"	297.71	2176.00

LENGTH	BEARING
L3	78.82 S24°57'12"E
L4	74.21 S65°02'48"W
L5	292.00 S46°40'32"W
L6	292.00 S46°40'32"W
L7	292.00 S46°40'32"W

W.D.	WESTMONT DRIVE
L.B.T.	LONG BEACH TERRACE
N.B.D.	NEWPORT BEACH DRIVE
S.D.W.	SANTA CLARA WAY
S.C.P.	SANTA CLARA PLACE

NOTE:
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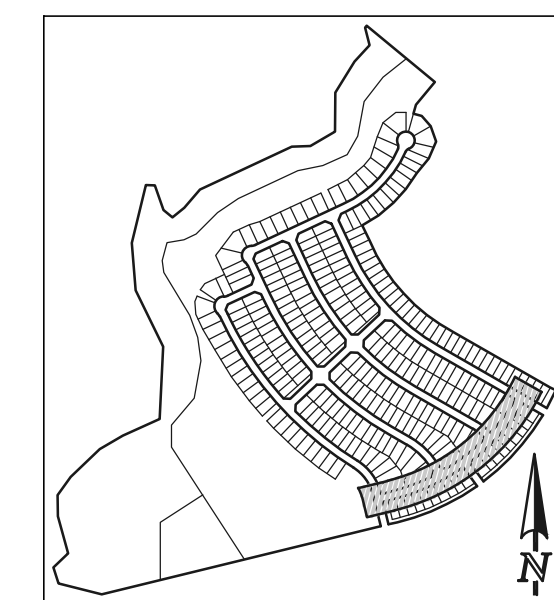
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PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
WESTMONT DRIVE STA: 16+00.00 - END
SANTA CLARA PLACE STA: 1+00.00 - END

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET	3 OF 17
CHECKED BY	(V)	1" = 5'	JOB NO.	1183.30

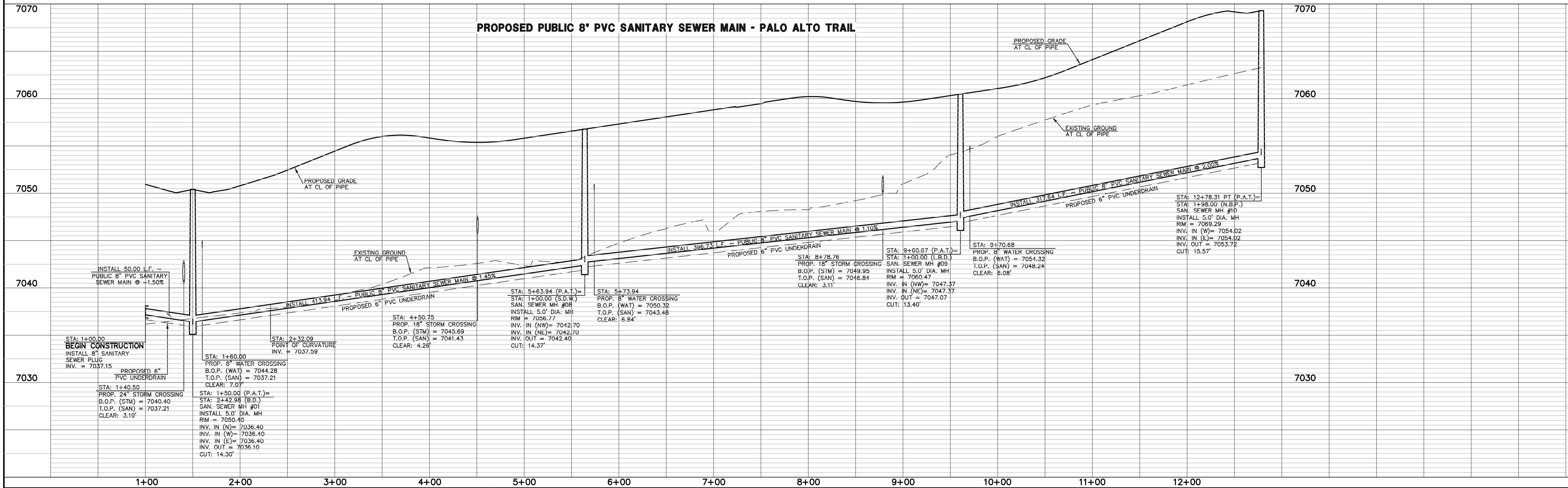
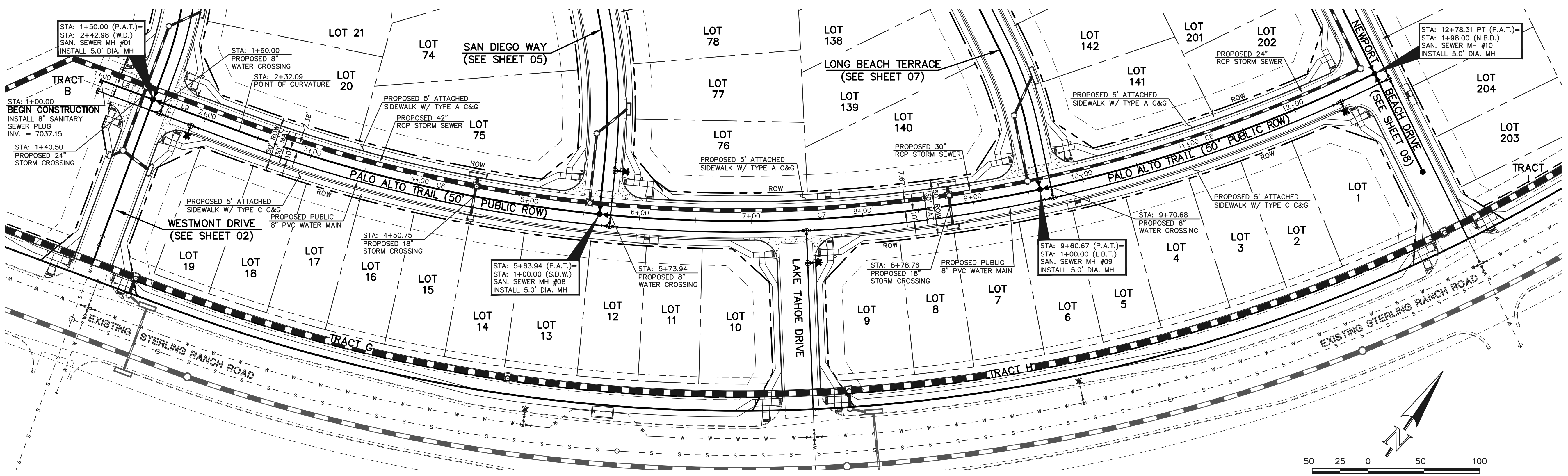


	LENGTH	BEARING
L8	50.00	N76°19'20"E
L9	82.09	N76°19'20"E

	DELTA	LENGTH	RADIUS
C6	14°44'22"	331.85	1290.00
C7	17°37'16"	396.74	1290.00
C8	14°06'28"	317.63	1290.00

W.D.	WESTMONT DRIVE
L.B.T.	LONG BEACH TERRACE
N.B.D.	NEWPORT BEACH DRIVE
P.A.T.	PALO ALTO TRAIL
S.A.W.	SAN DIEGO WAY

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	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	PROPOSED STORM LINE		EXISTING STORM LINE
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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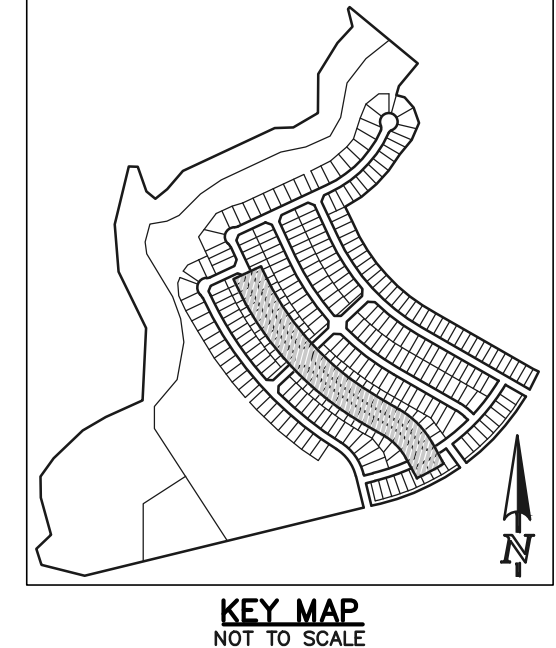
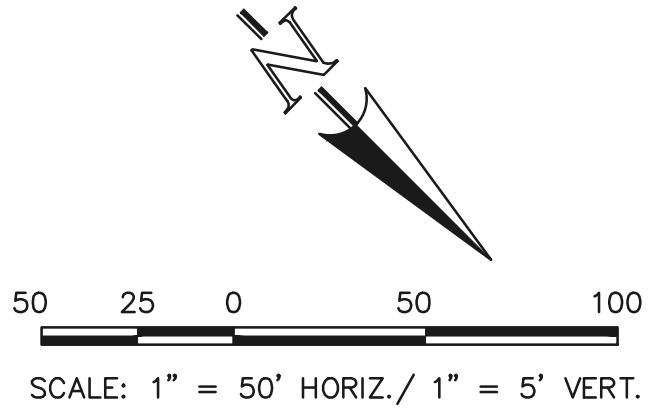
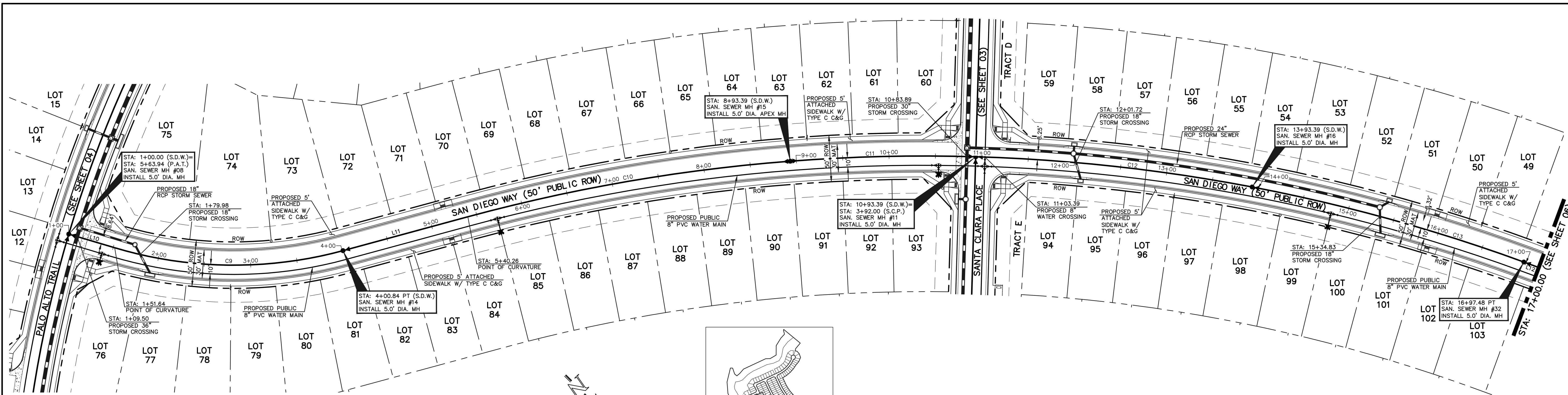
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
PALO ALTO TRAIL
STA: 1+00.00 - END

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET	4 OF 17
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	



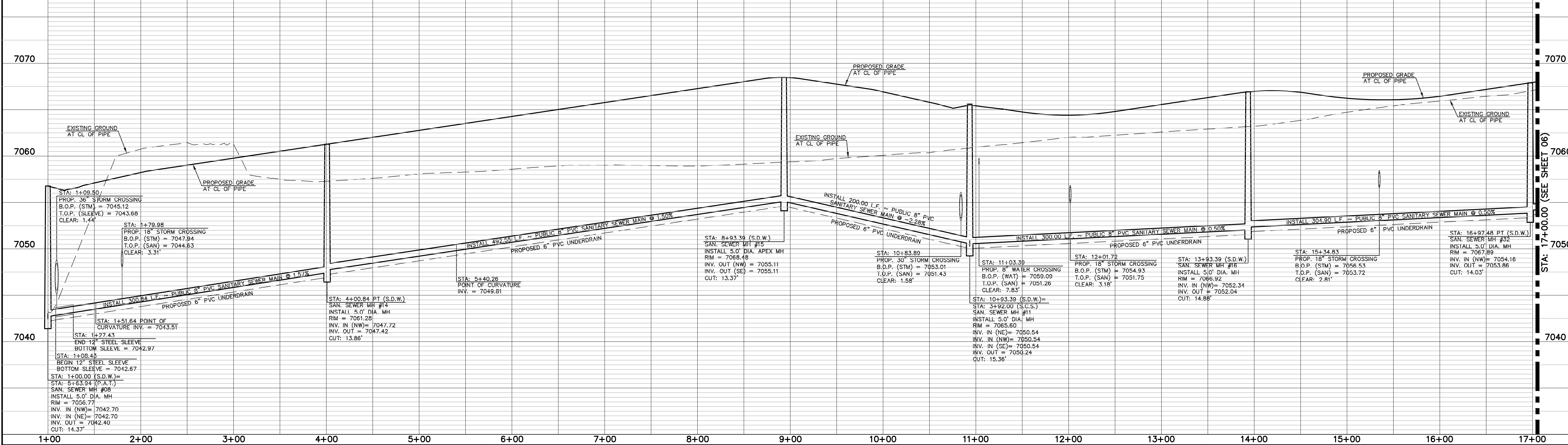
SANITARY LINE TABLE		
	LENGTH	BEARING
L10	51.64	S28°25'02"E
L11	139.42	S60°08'46"E
L12	293.93	S24°57'12"E

SANITARY CURVE TABLE			
	DELTA	LENGTH	RADIUS
C9	31°43'44"	249.20	450.00
C10	10°44'22"	353.13	1884.00
C11	06°04'56"	200.00	1884.00
C12	09°07'25"	300.00	1884.00
C13	09°14'52"	304.08	1884.00

STREET ABBREVIATION INDEX:	
P.A.T.	PALO ALTO TRAIL
S.D.W.	SAN DIEGO WAY
S.C.P.	SANTA CLARA PLACE

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PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - SAN DIEGO WAY



LEGEND	
	PROPOSED FIRE HYDRANT
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER MAIN
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	ROW/BOUNDARY LINE
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER MAIN
	EXISTING STORM SEWER
	EXISTING STORM INLET
	EXISTING GAS MAIN
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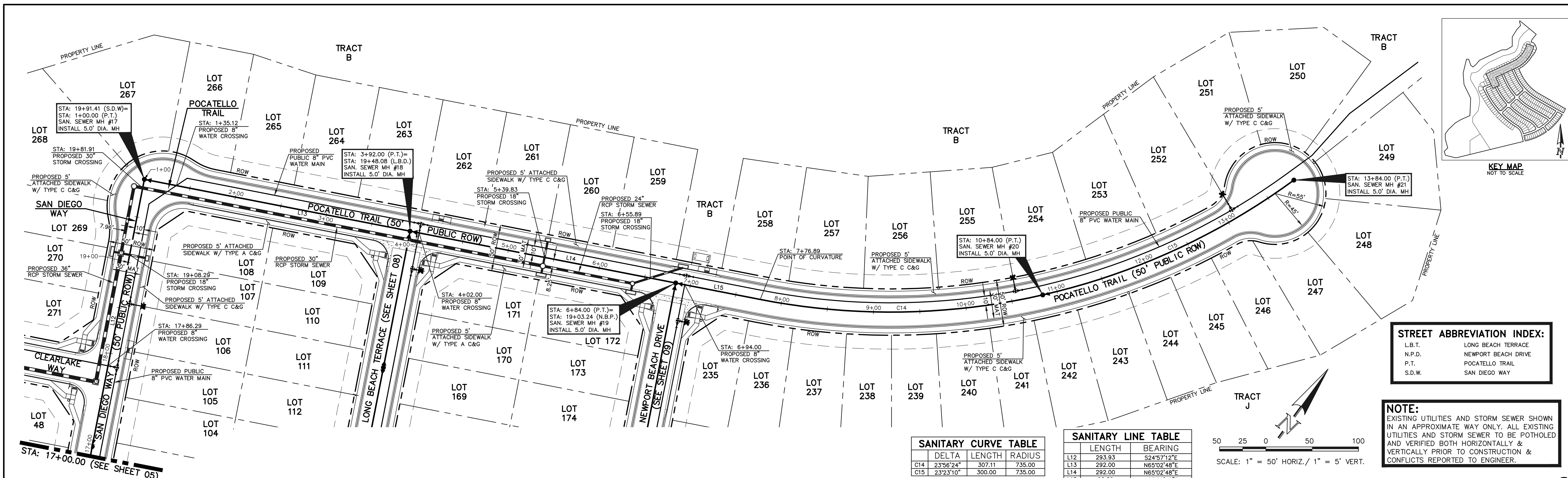
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CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
SAN DIEGO WAY
STA: 1+00.00 - 17+00.00

DESIGNED BY BB SCALE DATE 04/04/23
DRAWN BY BB (H) 1" = 50' SHEET 5 OF 17
CHECKED BY (V) 1" = 5' JOB NO. 1183.30



STREET ABBREVIATION INDEX:

L.B.T.	LONG BEACH TERRACE
N.P.D.	NEWPORT BEACH DRIVE
P.T.	POCATELLO TRAIL
S.D.W.	SAN DIEGO WAY

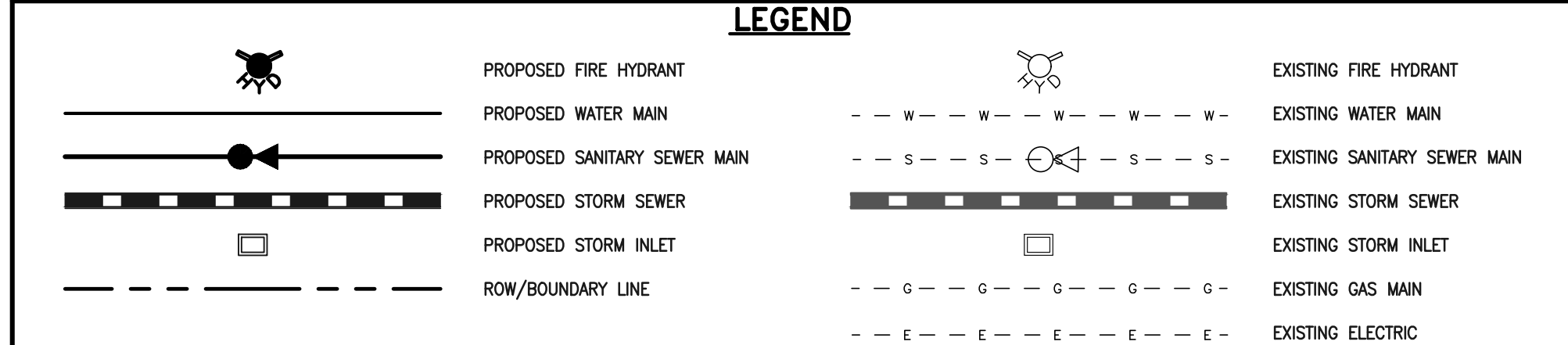
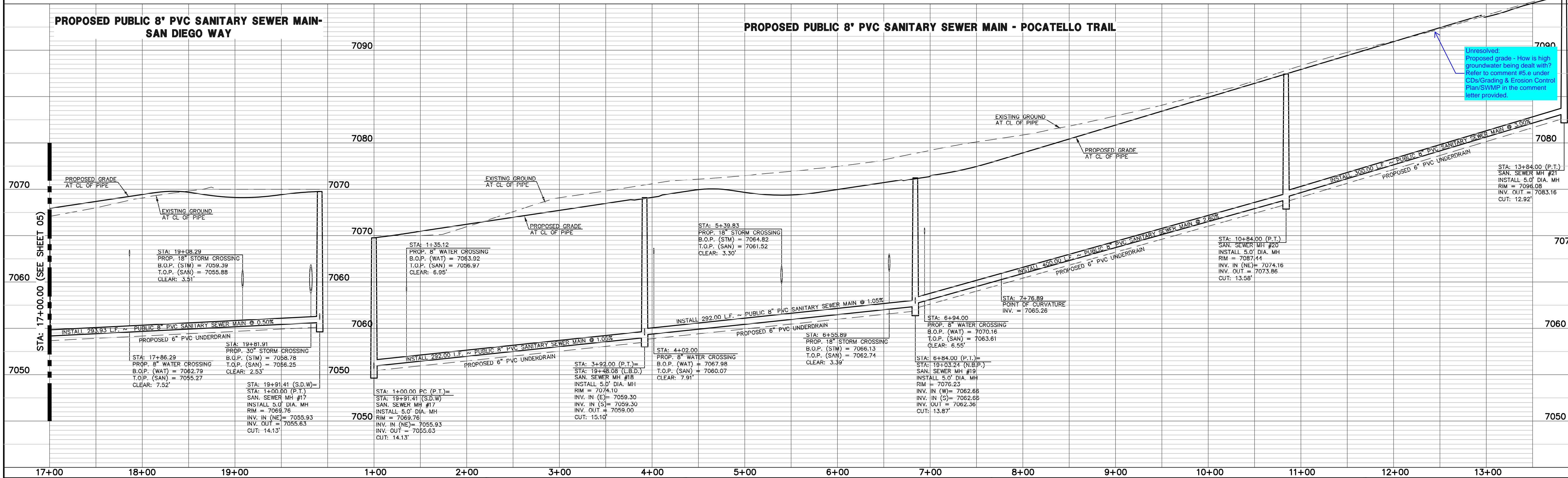
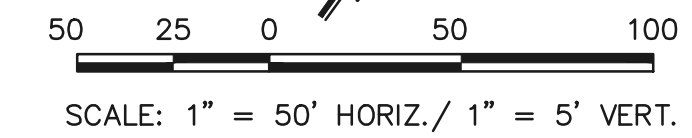
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SANITARY CURVE TABLE

	DELTA	LENGTH	RADIUS
C14	23°56'24"	307.11	735.00
C15	2°23'10"	300.00	735.00

SANITARY LINE TABLE

	LENGTH	BEARING
L12	293.93	S24°57'12"E
L13	292.00	N65°02'48"E
L14	292.00	N65°02'48"E
L15	92.89	N65°02'48"E



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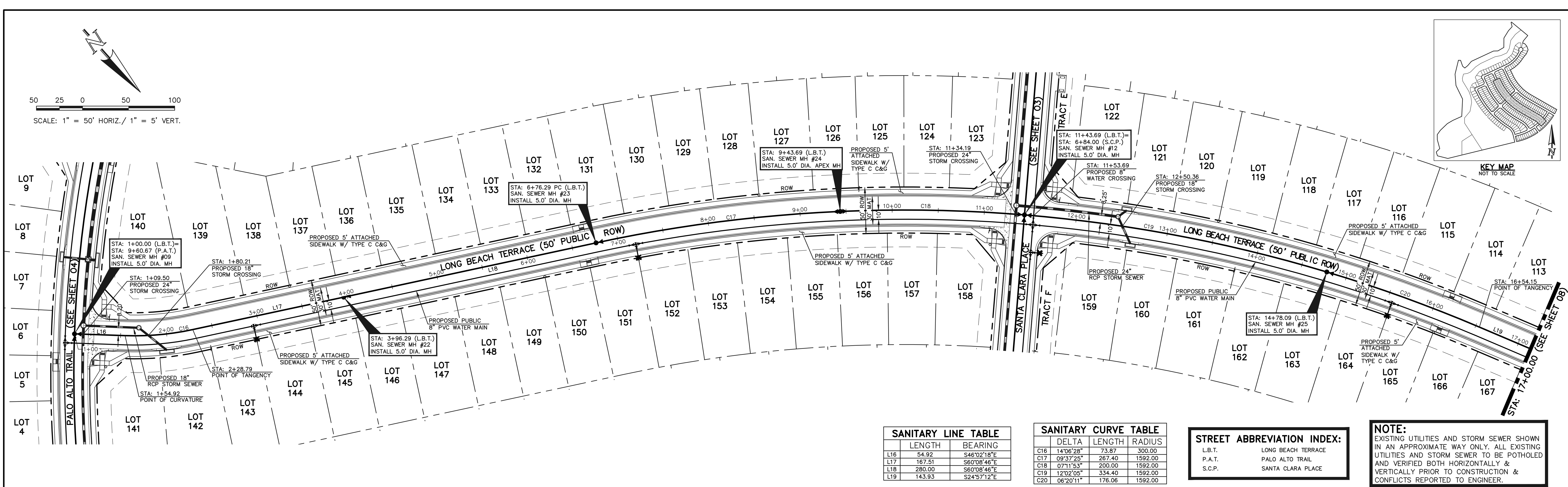
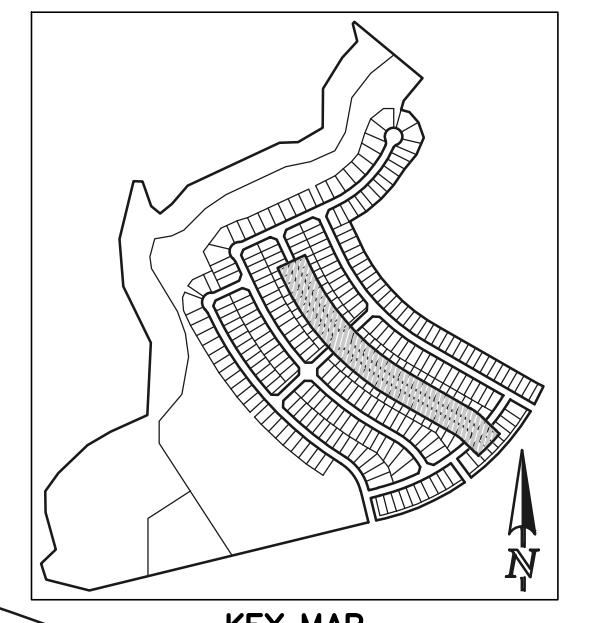
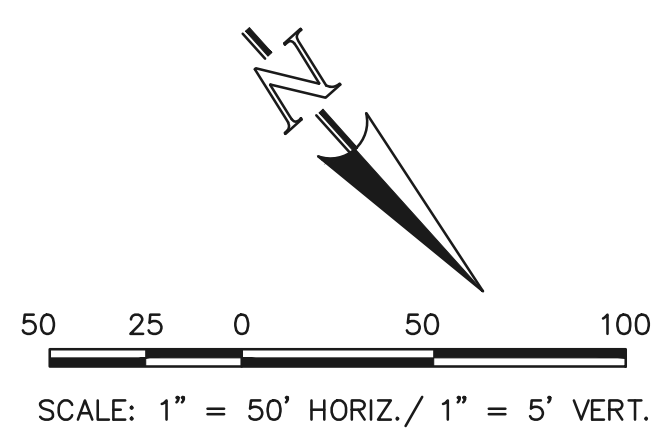
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STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
SAN DIEGO WAY STA: 17+00.00 - END
POCATELLO TRAIL STA: 1+00.00 - END

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET	6 OF 17
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	



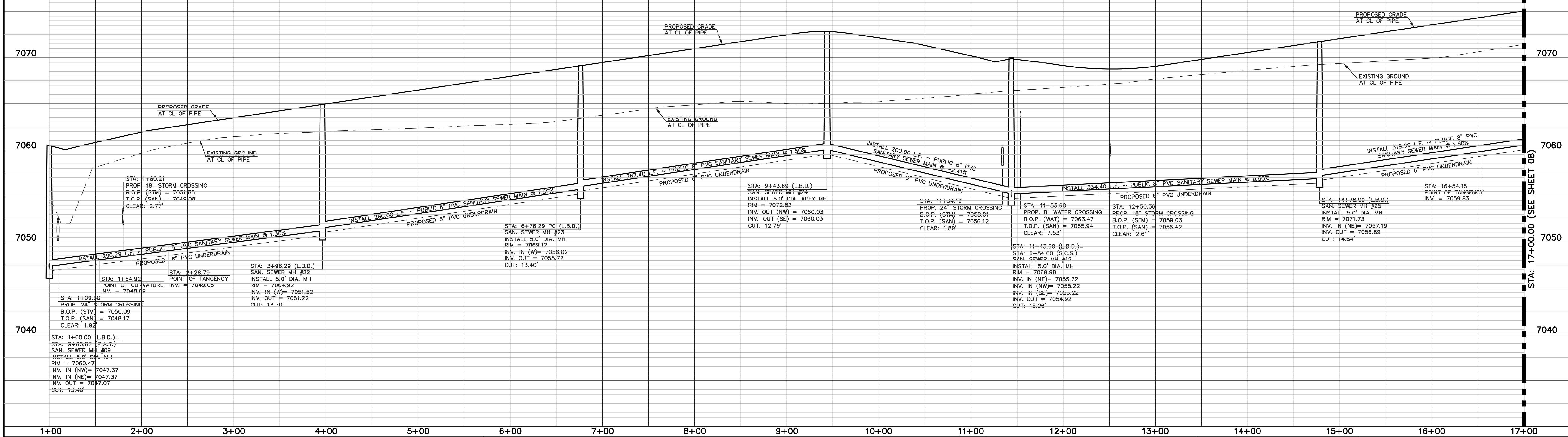
SANITARY LINE TABLE		
	LENGTH	BEARING
L16	54.92	S46°02'18"E
L17	167.51	S60°08'46"E
L18	280.00	S60°08'46"E
L19	143.93	S24°57'12"E

SANITARY CURVE TABLE			
	DELTA	LENGTH	RADIUS
C16	14°05'28"	73.87	300.00
C17	09°37'26"	267.40	1592.00
C18	07°11'53"	200.00	1592.00
C19	12°02'05"	334.40	1592.00
C20	06°20'11"	176.06	1592.00

STREET ABBREVIATION INDEX:	
L.B.T.	LONG BEACH TERRACE
P.A.T.	PALO ALTO TRAIL
S.C.P.	SANTA CLARA PLACE

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PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - LONG BEACH TERRACE



LEGEND	
	PROPOSED FIRE HYDRANT
	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER MAIN
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	ROW/BOUNDARY LINE
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER MAIN
	EXISTING STORM SEWER
	EXISTING STORM INLET
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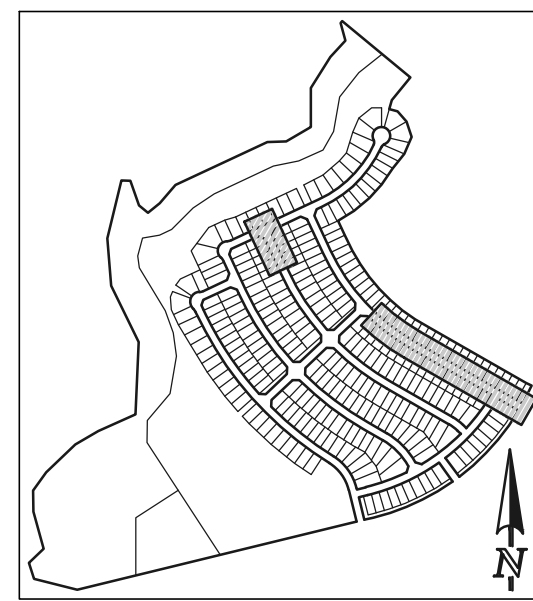
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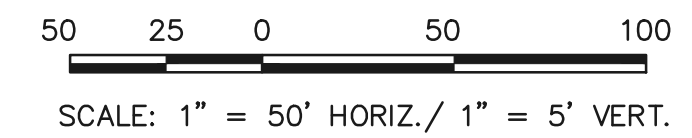
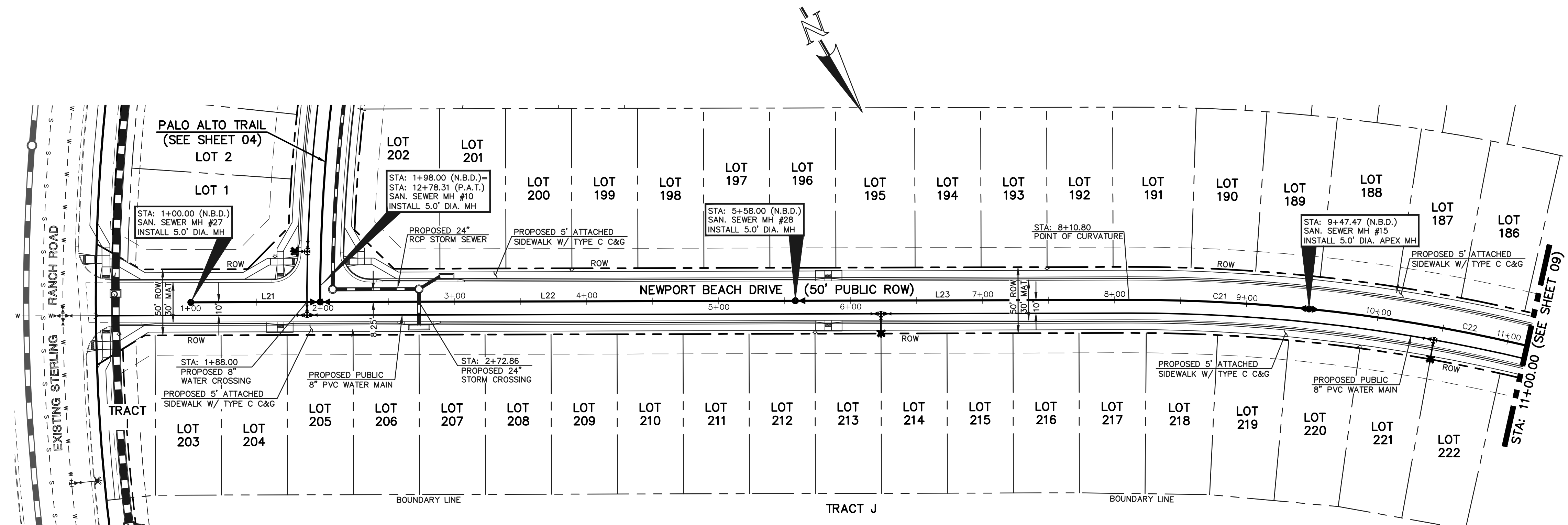
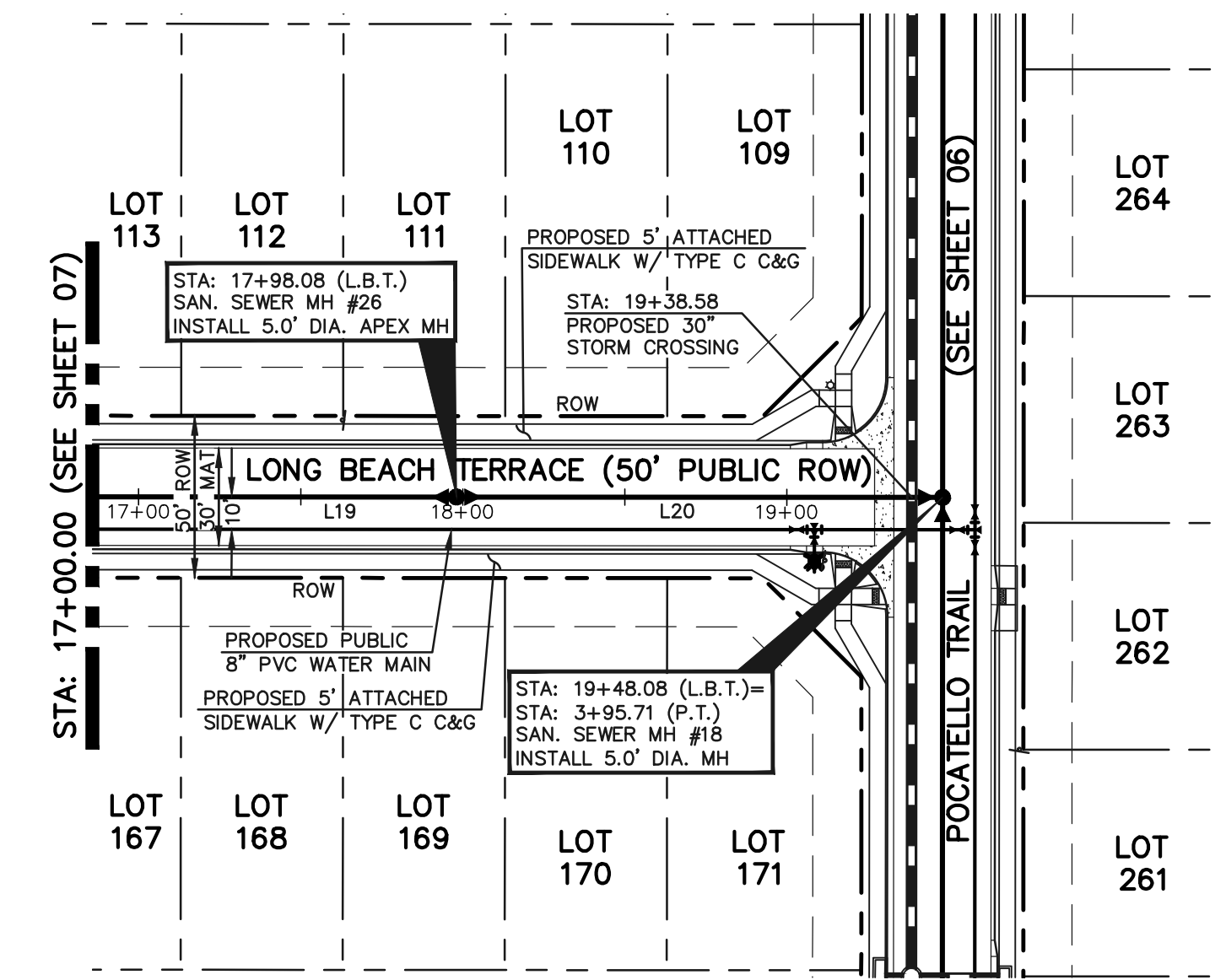


STERLING RANCH EAST FILING NO. 1 PUBLIC 8" PVC SANITARY SEWER PLAN LONG BEACH TERRACE STA: 1+00.00 - 17+00.00			
DESIGNED BY	BB	SCALE	DATE 04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET 7 OF 17
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30

N:\118330\DRAWINGS\CONSTRUCTION\UTILITIES\118330-SS-PLAN.dwg, 17/2/2023, 10:45:36 AM, 1:1



KEY MAP
NOT TO SCALE

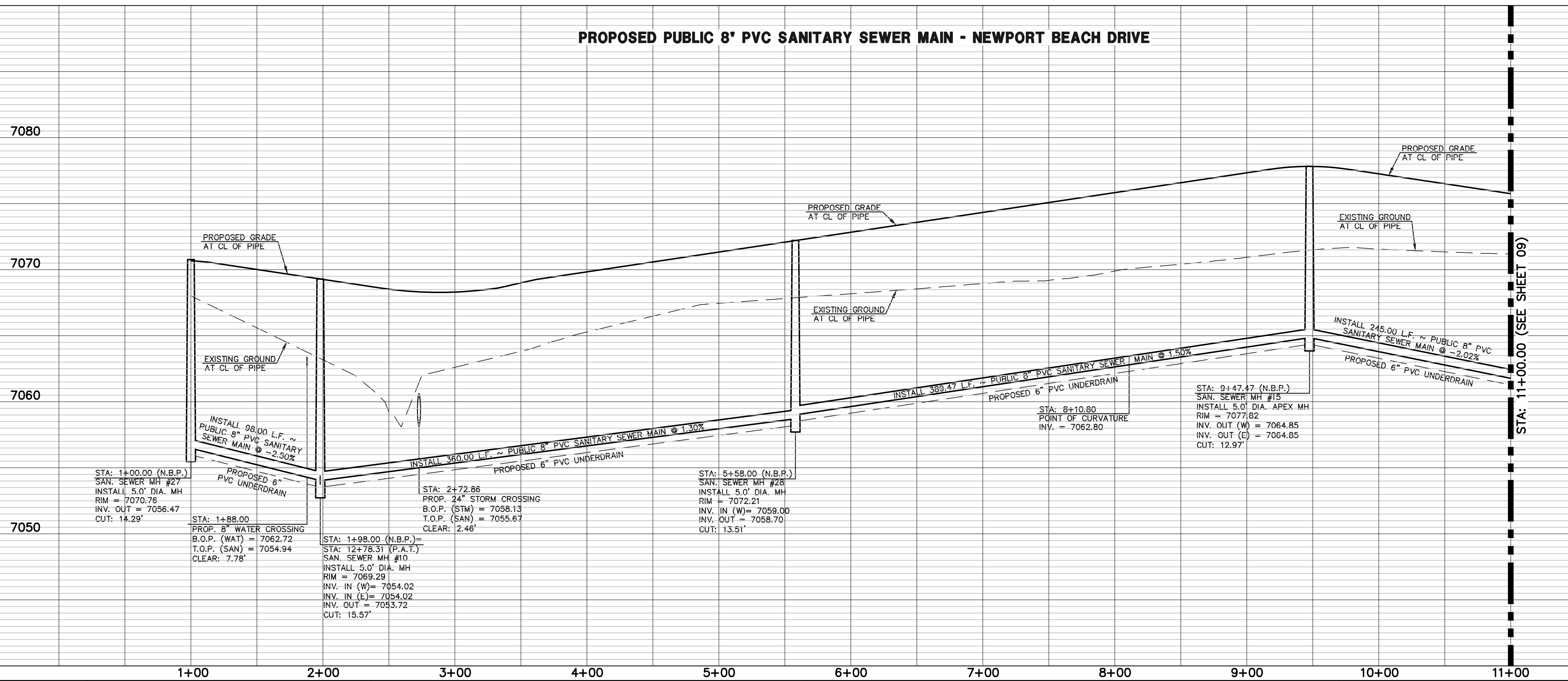
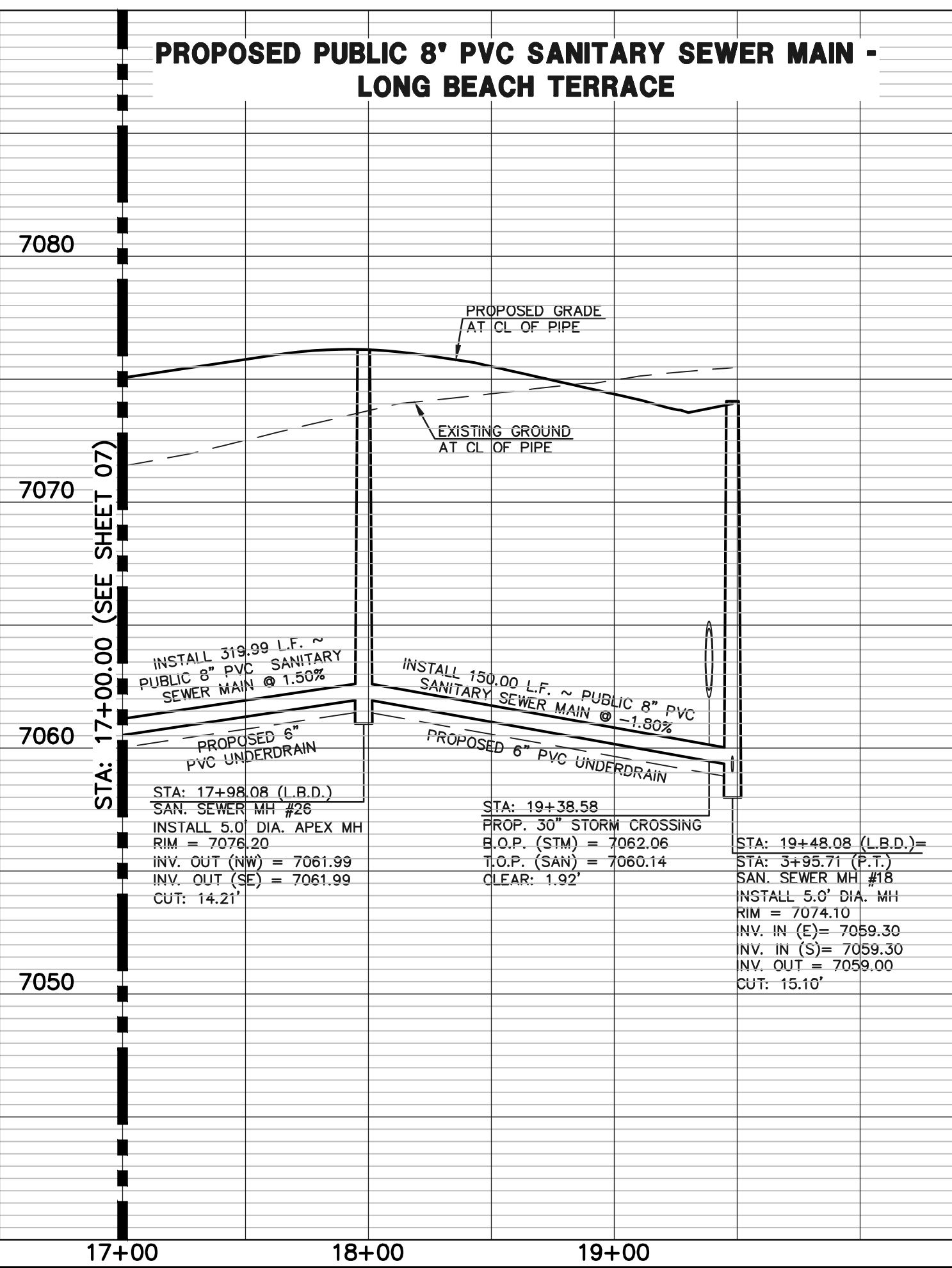


SANITARY CURVE TABLE			
	DELTA	LENGTH	RADIUS
C21	06°01'25"	136.67	1300.00
C22	10°47'53"	245.00	1300.00

SANITARY LINE TABLE		
	LENGTH	BEARING
L19	143.93	S24°57'12"E
L20	150.00	S24°57'12"E
L21	98.00	S60°08'46"E
L22	360.00	S60°08'46"E
L23	252.80	S60°08'46"E

STREET ABBREVIATION INDEX:	
L.B.T.	LONG BEACH TERRACE
N.B.D.	NEWPORT BEACH DRIVE
P.A.T.	PALO ALTO TRIAL
P.T.	POCATELLO TRAIL

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LEGEND

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	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
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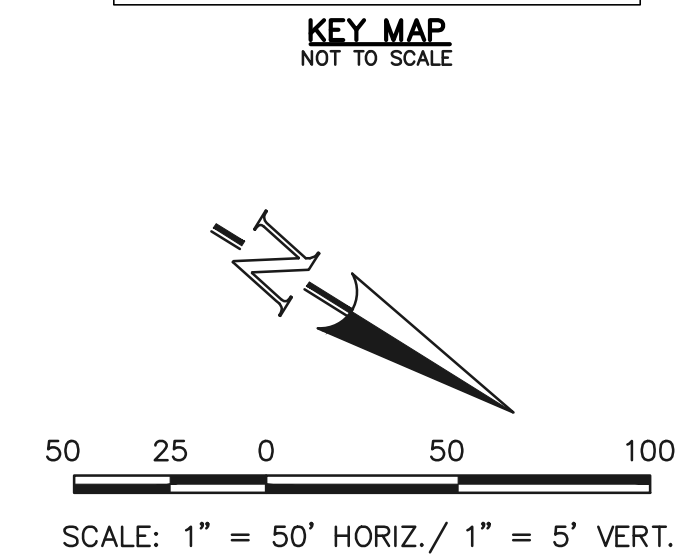
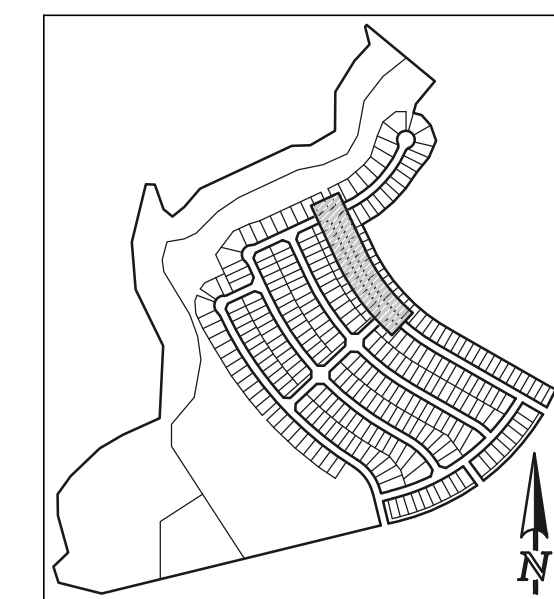
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

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PUBLIC 8" PVC SANITARY SEWER PLAN
LONG BEACH TERRACE STA: 17+00.00 - END
NEWPORT BEACH DRIVE STA: 1+00.00 - 11+00.00

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET	8 OF 17
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	

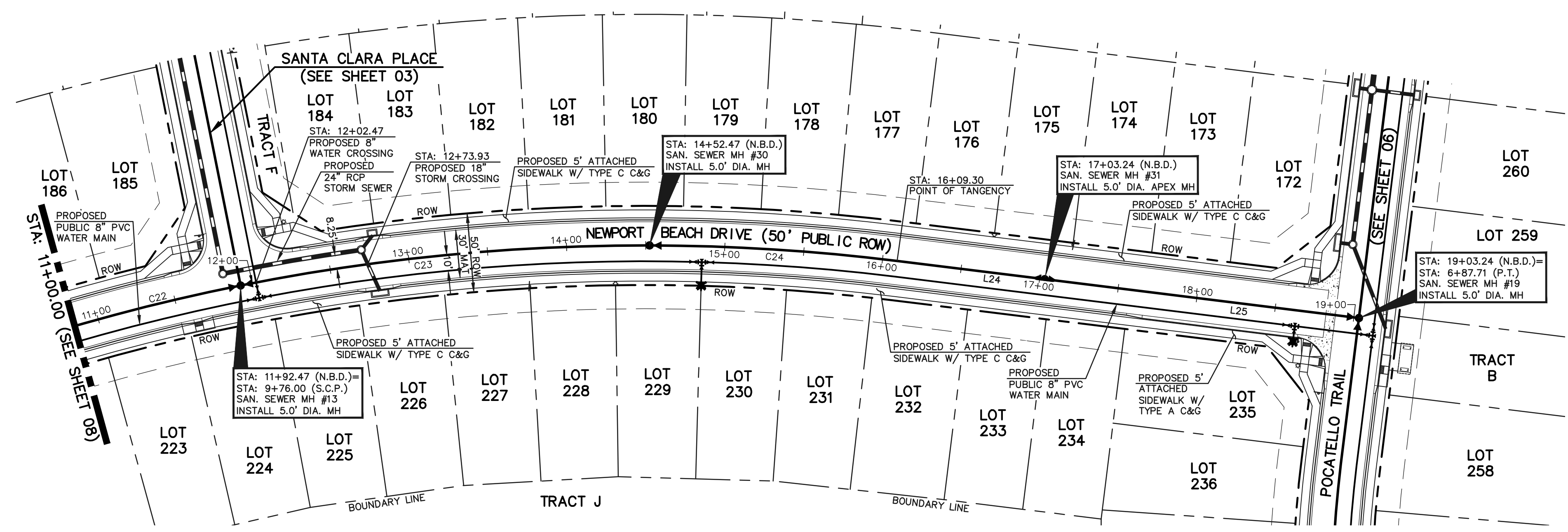
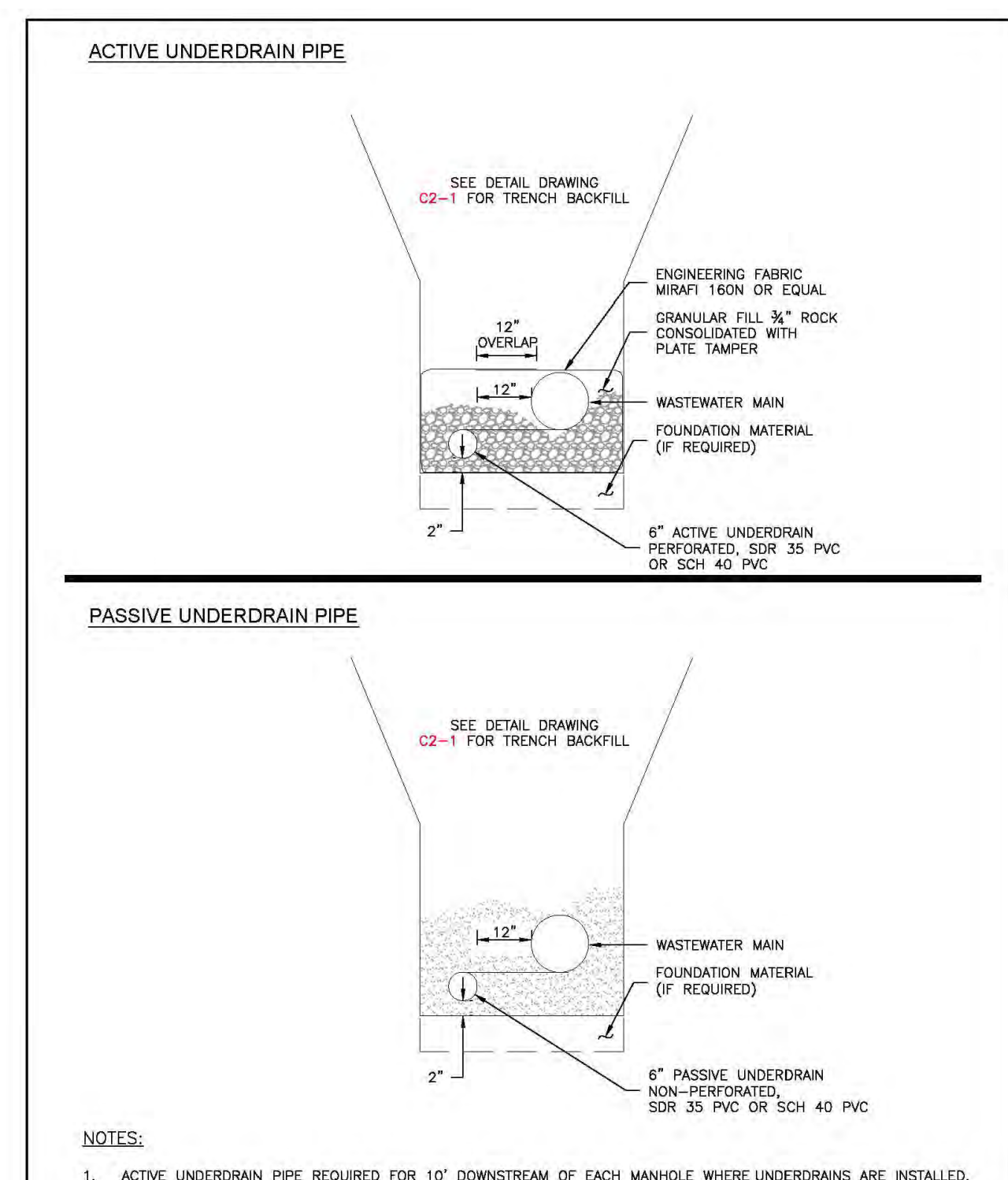
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STREET ABBREVIATION INDEX:

N.B.D.	NEWPORT BEACH DRIVE
P.D.	POCATELLO DRIVE
S.C.P.	SANTA CLARA PLACE

NOTE:
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SANITARY LINE TABLE

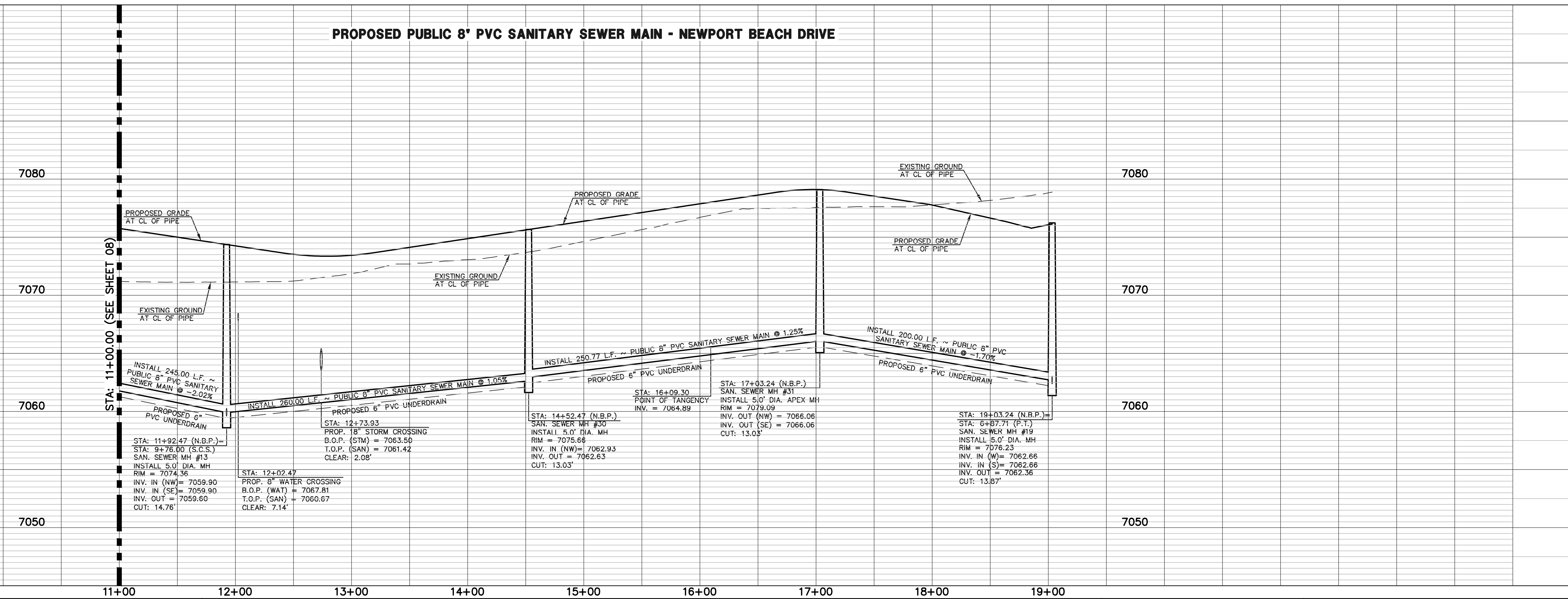
	LENGTH	BEARING
L24	93.93	S24°57'12\"E
L25	200.00	S24°57'12\"E

SANITARY CURVE TABLE

	DELTA	LENGTH	RADIUS
C22	10°47'53\"	245.00	1300.00
C23	11°27'33\"	260.00	1300.00
C24	06°54'43\"	156.83	1300.00

NOTES:
1. ACTIVE UNDERDRAIN PIPE REQUIRED FOR 10' DOWNSTREAM OF EACH MANHOLE WHERE UNDERDRAINS ARE INSTALLED.

PROPOSED PUBLIC 8" PVC SANITARY SEWER MAIN - NEWPORT BEACH DRIVE



LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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NO.	REVISION	DATE

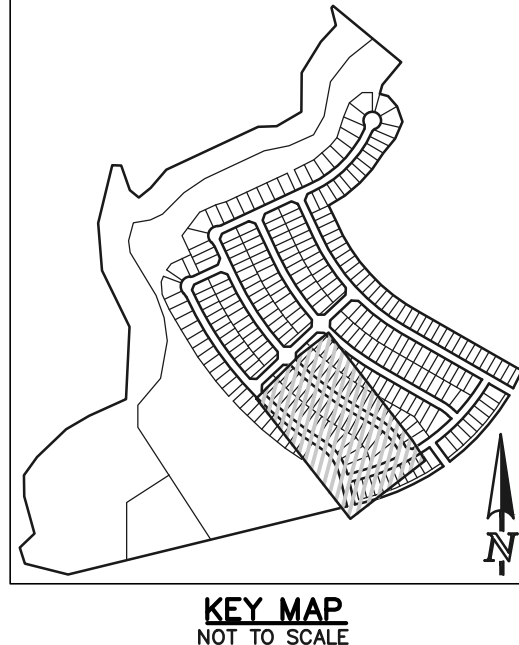
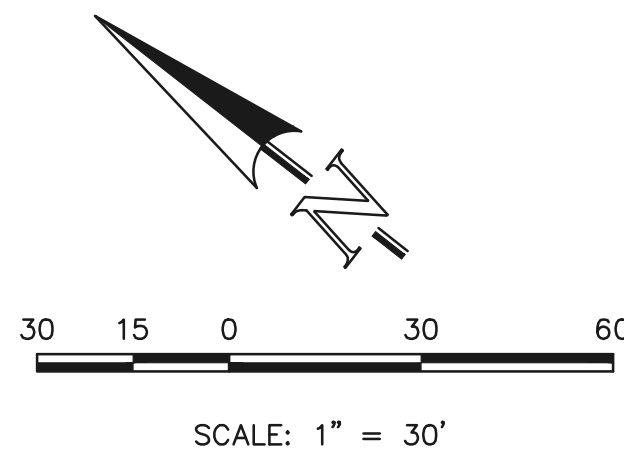
REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



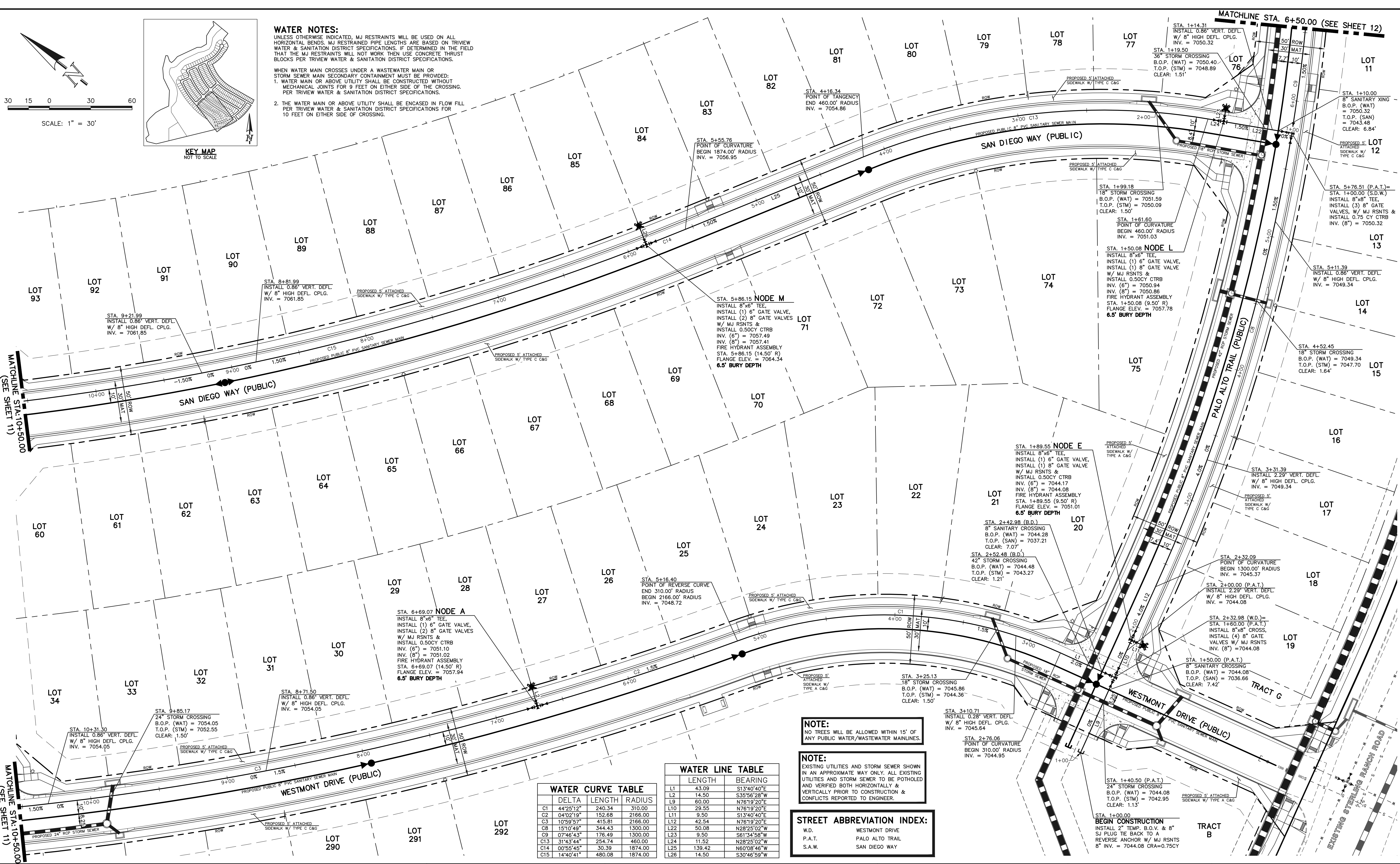
STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC SANITARY SEWER PLAN
NEWPORT BEACH DRIVE
STA: 11+00.00 - END

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET	9 OF 17
CHECKED BY	(V) 1" = 5'	JOB NO.	1183.30	



WATER NOTES:
 UNLESS OTHERWISE INDICATED, MJ RESTRAINTS WILL BE USED ON ALL HORIZONTAL BENDS. MJ RESTRAINTED PIPE LENGTHS ARE BASED ON TRIVEW WATER & SANITATION DISTRICT SPECIFICATIONS. IF DETERMINED IN THE FIELD THAT THE MJ RESTRAINTS WILL NOT WORK, THEN USE CONCRETE THRU-ST BLOCKS PER TRIVEW WATER & SANITATION DISTRICT SPECIFICATIONS.

WHEN WATER MAIN CROSSES UNDER A WASTEWATER MAIN OR STORM SEWER MAIN SECONDARY CONTAINMENT MUST BE PROVIDED:
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 2. THE WATER MAIN OR ABOVE UTILITY SHALL BE ENCASED IN FLOW FILL PER TRIVEW WATER & SANITATION DISTRICT SPECIFICATIONS FOR 10 FEET ON EITHER SIDE OF CROSSING.



STA. 6+69.07 NODE A
 INSTALL 8"x6" TEE,
 INSTALL (1) 6" GATE VALVE,
 INSTALL (2) 8" GATE VALVES
 W/ MJ RSNTS &
 INSTALL 0.50CY CTRB
 INV. (6") = 7051.10
 INV. (8") = 7051.02
 FIRE HYDRANT ASSEMBLY
 STA. 6+69.07 (14.50' R)
 FLANGE ELEV. = 7057.94
6.5' BURY DEPTH

STA. 5+86.15 NODE M
 INSTALL 8"x6" TEE,
 INSTALL (1) 6" GATE VALVE,
 INSTALL (2) 8" GATE VALVES
 W/ MJ RSNTS &
 INSTALL 0.50CY CTRB
 INV. (6") = 7057.49
 INV. (8") = 7057.41
 FIRE HYDRANT ASSEMBLY
 STA. 5+86.15 (14.50' R)
 FLANGE ELEV. = 7064.34
6.5' BURY DEPTH

STA. 1+89.55 NODE E
 INSTALL 8"x6" TEE,
 INSTALL (1) 6" GATE VALVE,
 INSTALL (1) 8" GATE VALVE
 W/ MJ RSNTS &
 INSTALL 0.50CY CTRB
 INV. (6") = 7044.17
 INV. (8") = 7044.08
 FIRE HYDRANT ASSEMBLY
 STA. 1+89.55 (9.50' R)
 FLANGE ELEV. = 7051.01
6.5' BURY DEPTH

WATER LINE TABLE

LENGTH	BEARING
L1	43.09 S13°40'40"E
L2	14.50 S35°56'28"W
L9	60.00 N76°19'20"E
L10	29.55 N76°19'20"E
L11	9.50 S13°40'40"E
L12	42.54 N76°19'20"E
L22	50.08 N28°25'02"W
L23	9.50 S61°34'58"W
L24	11.52 N28°25'02"W
L25	139.42 N60°08'46"W
L26	14.50 S30°46'59"W

WATER CURVE TABLE

DELTA	LENGTH	RADIUS
C1	44°25'12"	240.34
C2	04°02'19"	152.68
C3	10°59'57"	415.81
C8	15°10'49"	344.43
C9	07°46'43"	176.49
C13	31°43'44"	254.74
C14	00°55'45"	30.39
C15	14°40'41"	480.08

NOTE:
 NO TREES WILL BE ALLOWED WITHIN 15' OF ANY PUBLIC WATER/WASTEWATER MAINLINES.

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STREET ABBREVIATION INDEX:

W.D.	WESTMONT DRIVE
P.A.T.	PALO ALTO TRAIL
S.A.W.	SAN DIEGO WAY

LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	PROPOSED GAS MAIN		EXISTING GAS MAIN
	PROPOSED ELECTRIC		EXISTING ELECTRIC
	ROW/BOUNDARY LINE		

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NO. REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF
 CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

619 N. Cascade Avenue, Suite 200 (719)785-0790
 Colorado Springs, Colorado 80903 (719)785-0799(Fax)

**STERLING RANCH EAST FILING NO. 1
 PUBLIC 8" PVC WATER SYSTEM PLAN**

DESIGNED BY BB SCALE DATE 04/04/23
 DRAWN BY BB (H) 1" = 30' SHEET 10 OF 17
 CHECKED BY (V) 1" = N/A JOB NO. 1183.30

N:\118330\DRAWINGS\CONSTRUCTION\UTILITIES\118330-WA.dwg, 11/3/2023 10:50:46 AM, 1:1

WATER NOTES:
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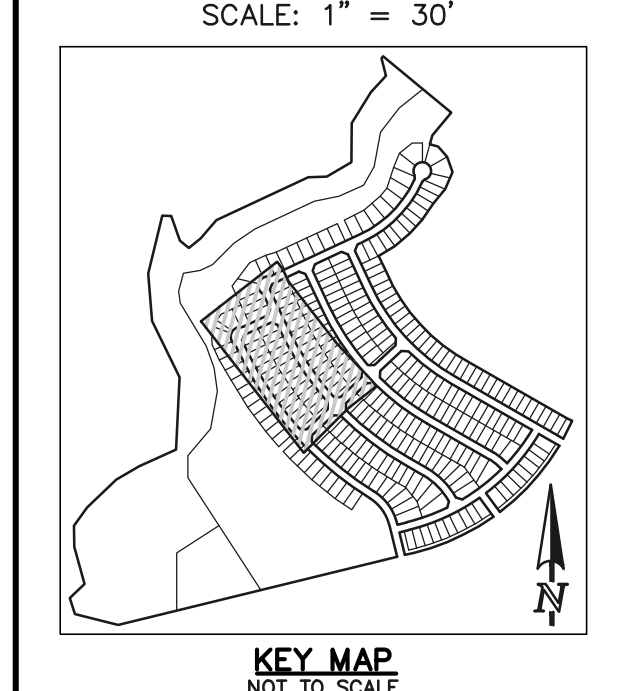
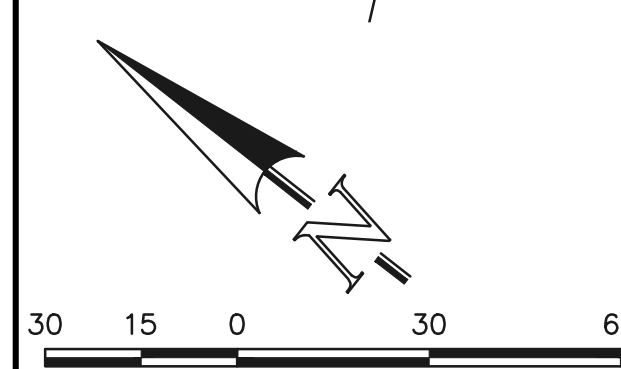
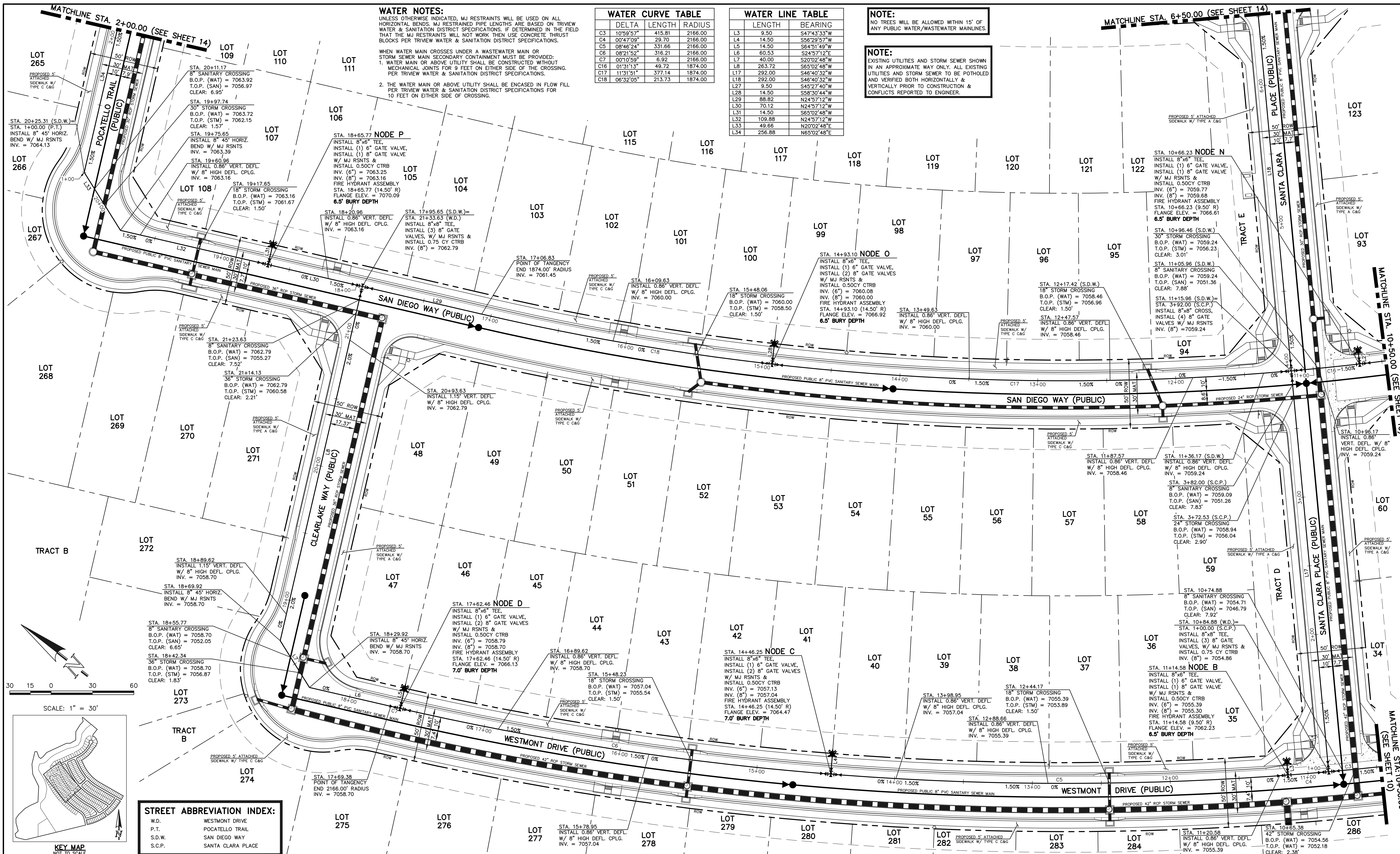
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WATER CURVE TABLE		
DELTA	LENGTH	RADIUS
C3	10'59.57"	415.81 2166.00
C4	00'47.09"	29.70 2166.00
C5	08'46.24"	331.66 2166.00
C6	08'21.52"	316.21 2166.00
C7	00'10.59"	6.92 2166.00
C16	01'31.13"	49.72 1874.00
C17	11'31.51"	377.14 1874.00
C18	06'32.05"	213.73 1874.00

WATER LINE TABLE	
LENGTH	BEARING
L3	9.50 S47°43'33"W
L4	14.50 S56°29'57"W
L5	14.50 S64°51'49"W
L6	60.53 S24°57'12"E
L7	40.00 S20°02'48"W
L8	263.72 S65°02'48"W
L17	292.00 S46°40'32"W
L18	292.00 S46°40'32"W
L27	9.50 S45°27'40"W
L28	14.50 S58°30'44"W
L29	88.82 N24°57'12"W
L30	70.12 N24°57'12"W
L31	14.50 S65°02'48"W
L32	109.88 N24°57'12"W
L33	49.66 N20°02'48"E
L34	256.88 N65°02'48"E

NOTE:
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STREET ABBREVIATION INDEX:

W.D.	WESTMONT DRIVE
P.T.	POCATELLO TRAIL
S.D.W.	SAN DIEGO WAY
S.C.P.	SANTA CLARA PLACE

LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
			EXISTING ELECTRIC

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NO.	REVISION	DATE

REVIEW:

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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

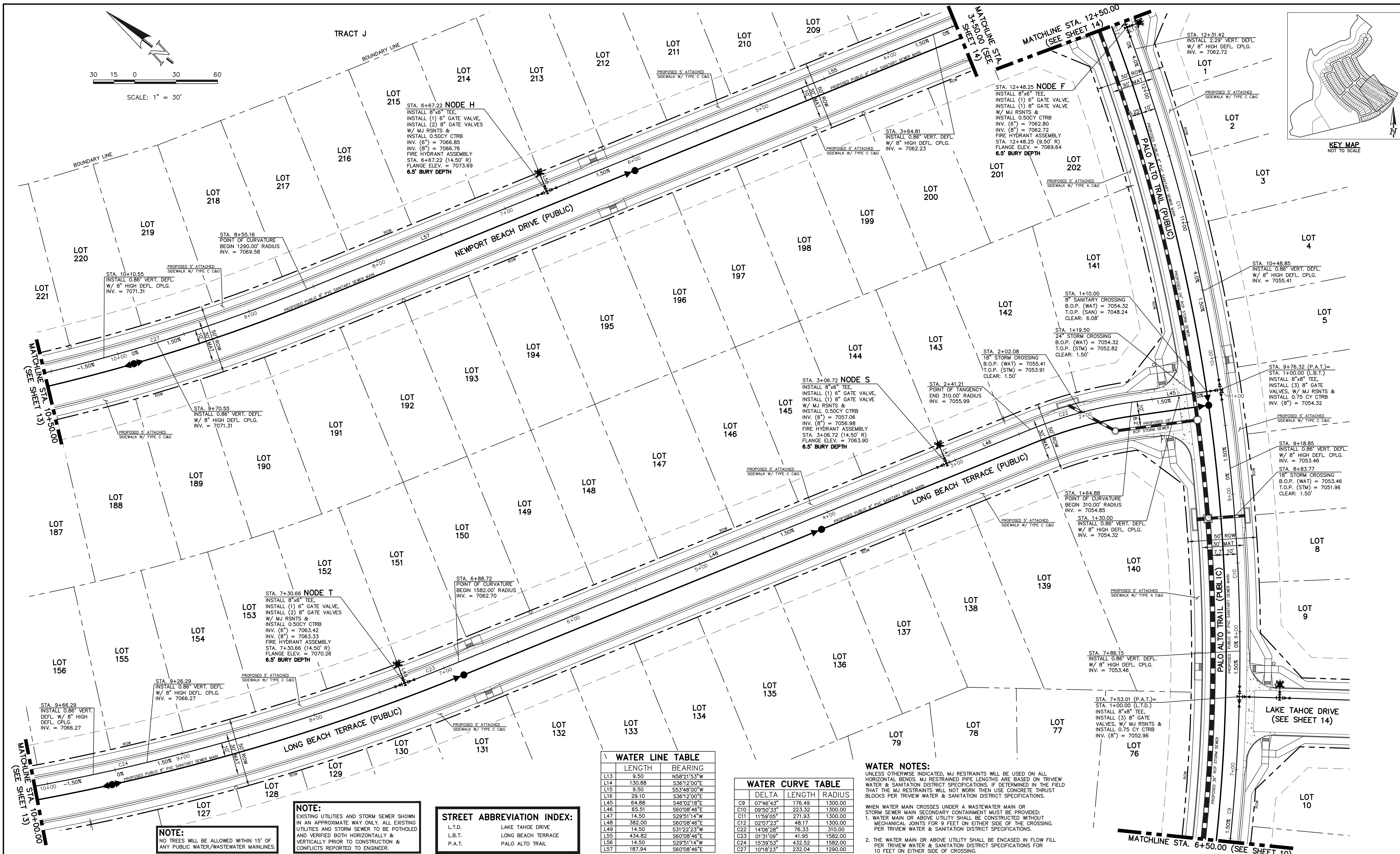
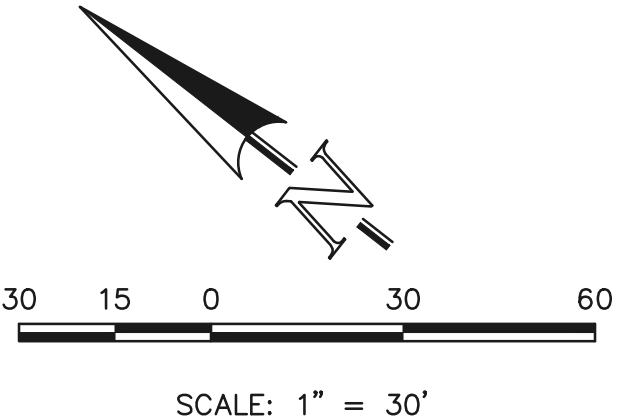
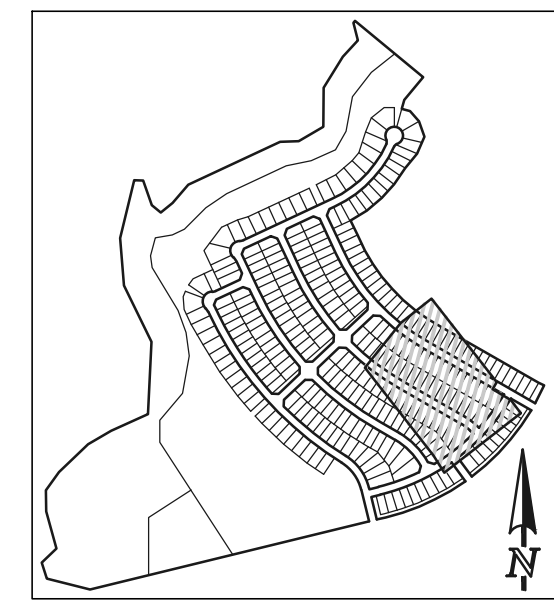


STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC WATER SYSTEM PLAN

DESIGNED BY BB SCALE DATE 04/04/23

DRAWN BY BB (H) 1" = 30' SHEET 11 OF 17

CHECKED BY (V) 1" = N/A JOB NO. 1183.30



NOTE:
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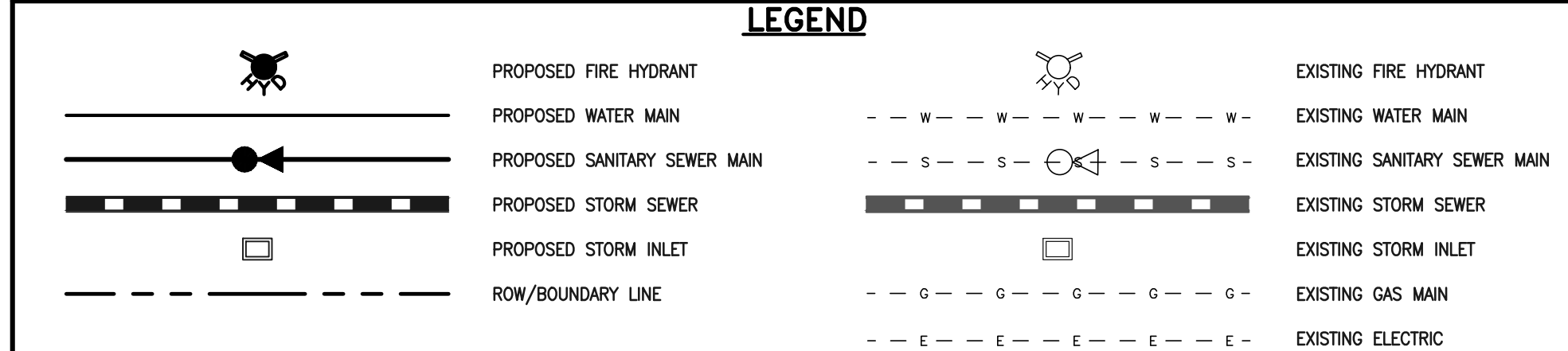
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STREET ABBREVIATION INDEX:
L.T.D. LAKE TAHOE DRIVE
L.B.T. LONG BEACH TERRACE
P.A.T. PALO ALTO TRAIL

WATER LINE TABLE	
LENGTH	BEARING
L13	9.50 N58°21'53"W
L14	130.88 S36°12'00"E
L15	9.50 S53°48'00"W
L16	29.10 S36°12'00"E
L45	64.98 S48°02'18"E
L46	65.51 S6°08'46"E
L47	14.50 S29°51'14"W
L48	382.00 S6°08'46"E
L49	14.50 S31°22'23"W
L55	434.82 S6°08'46"E
L56	14.50 S29°51'14"W
L57	187.94 S6°08'46"E

WATER CURVE TABLE		
DELTA	LENGTH	RADIUS
C9	07°46'43"	176.49 1300.00
C10	09°50'33"	223.32 1300.00
C11	11°59'05"	271.93 1300.00
C12	02°07'23"	48.17 1300.00
C22	14°06'28"	76.33 310.00
C23	01°31'09"	41.95 1582.00
C24	15°39'53"	432.52 1582.00
C27	10°18'23"	232.04 1290.00

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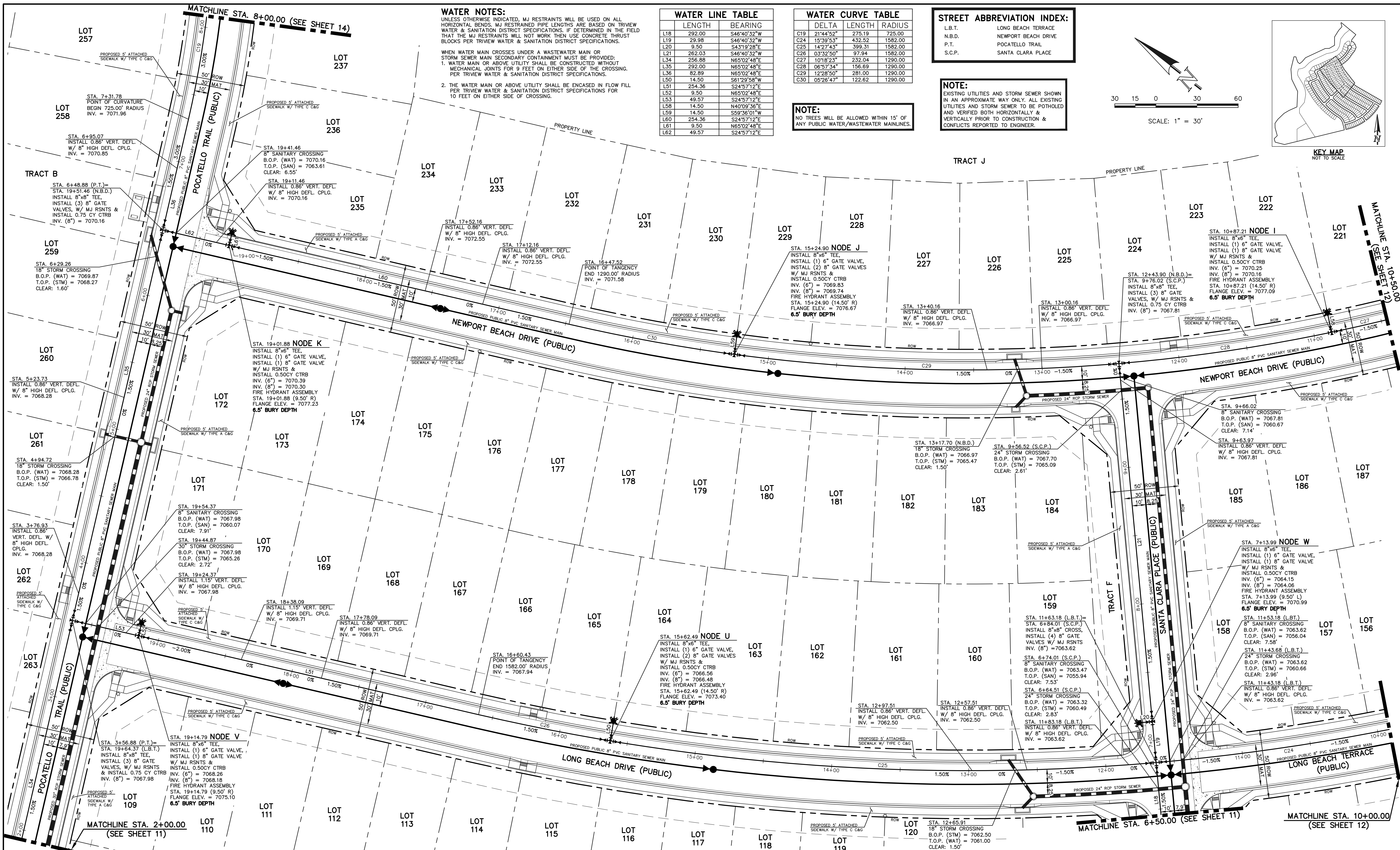
NO.	REVISION	DATE

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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE _____



STERLING RANCH EAST FILING NO. 1
PUBLIC 8" PVC WATER SYSTEM PLAN
DESIGNED BY BB SCALE DATE 08/31/22
DRAWN BY BB (H) 1" = 30' SHEET 12 OF 17
CHECKED BY (V) 1" = N/A JOB NO. 1183.30

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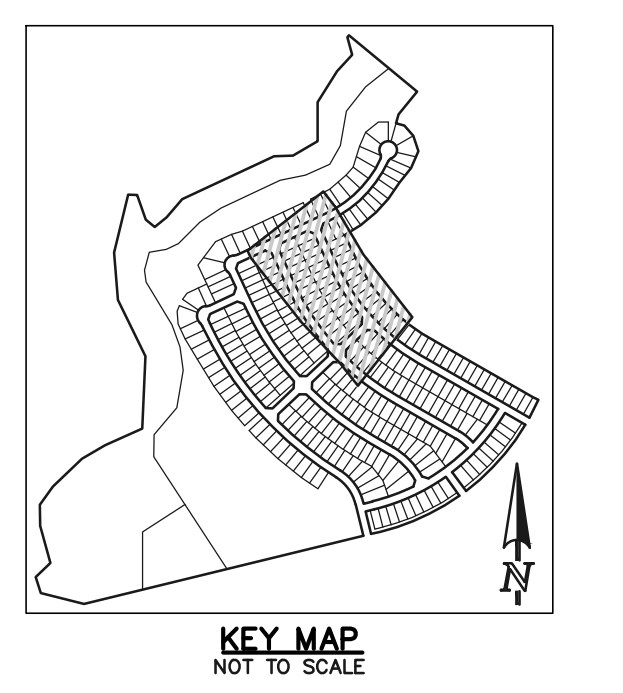
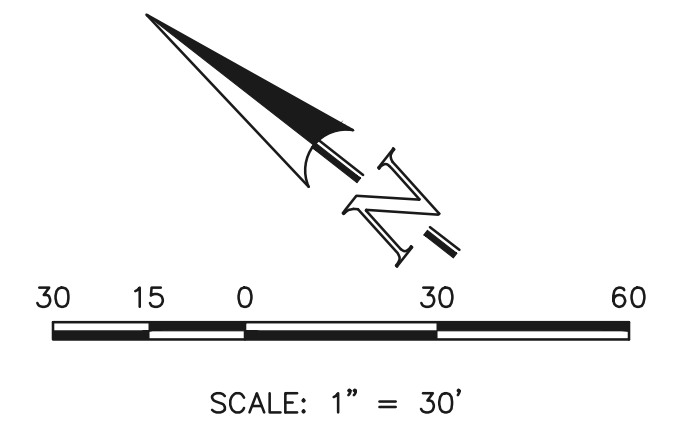
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WATER LINE TABLE		
LENGTH	BEARING	
L18	292.00	S46°40'32"W
L19	29.98	S46°40'32"W
L20	9.50	S43°19'28"E
L21	262.03	S48°40'32"W
L34	256.88	N65°02'48"E
L35	292.00	N65°02'48"E
L36	82.89	N65°02'48"E
L50	14.50	S61°29'58"W
L51	254.36	S24°57'12"E
L52	9.50	N65°02'48"E
L53	49.57	S24°57'12"E
L58	14.50	N40°09'36"E
L59	14.50	S59°38'01"W
L60	254.36	S24°57'12"E
L61	9.50	N65°02'48"E
L62	49.57	S24°57'12"E

WATER CURVE TABLE		
DELTA	LENGTH	RADIUS
C19	21°44'52"	275.19
C24	15°39'53"	432.52
C25	14°27'43"	399.31
C26	03°32'50"	97.94
C27	10°18'23"	232.04
C28	06°57'34"	156.69
C29	12°28'50"	281.00
C30	05°26'47"	122.62

STREET ABBREVIATION INDEX:
 L.B.T. LONG BEACH TERRACE
 N.B.D. NEWPORT BEACH DRIVE
 P.T. POCATELLO TRAIL
 S.C.P. SANTA CLARA PLACE

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	PROPOSED WATER MAIN
	PROPOSED SANITARY SEWER MAIN
	PROPOSED STORM SEWER
	PROPOSED STORM INLET
	ROW/BOUNDARY LINE
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN
	EXISTING SANITARY SEWER MAIN
	EXISTING STORM SEWER
	EXISTING STORM INLET
	EXISTING GAS MAIN
	EXISTING ELECTRIC

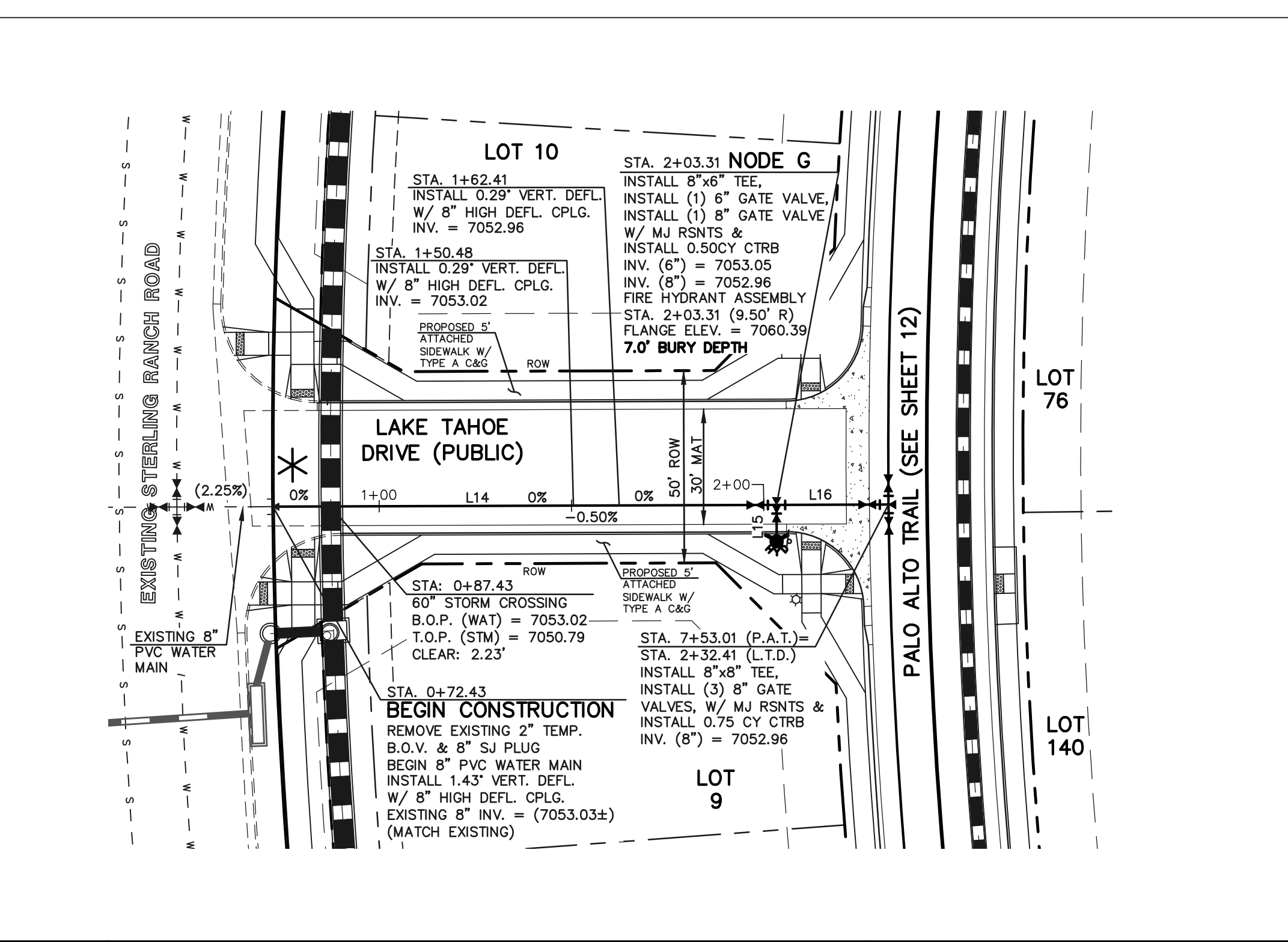
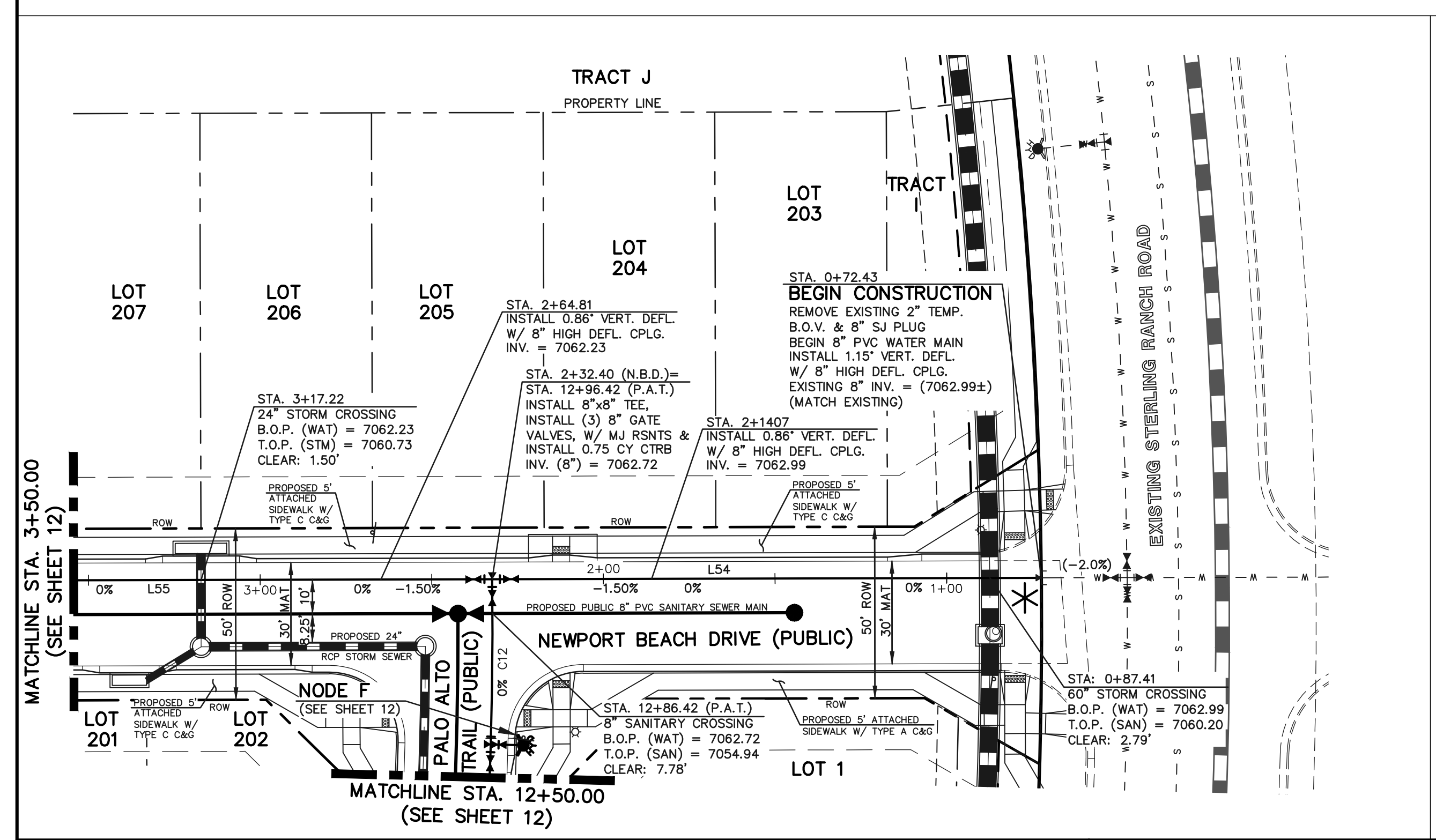
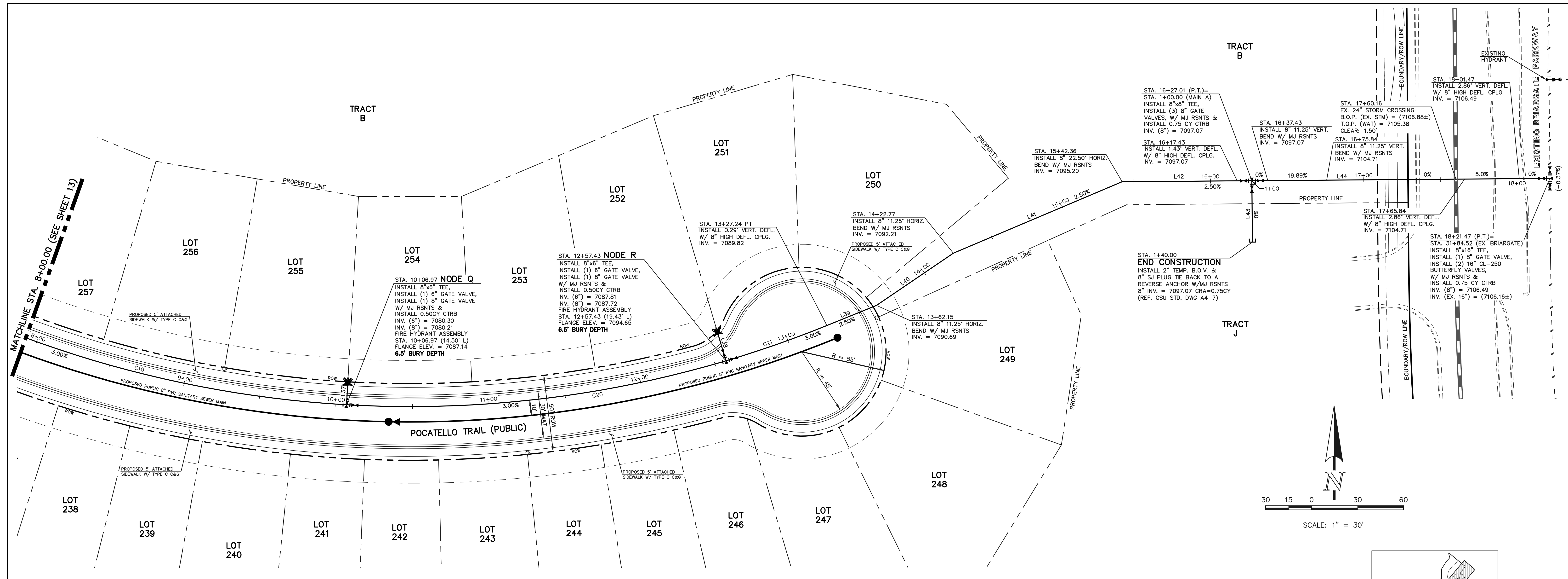
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NO.	REVISION	DATE

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 KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE



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 DESIGNED BY BB SCALE DATE 04/04/23
 DRAWN BY BB (H) 1" = 30' SHEET 13 OF 17
 CHECKED BY (V) 1" = N/A JOB NO. 1183.30

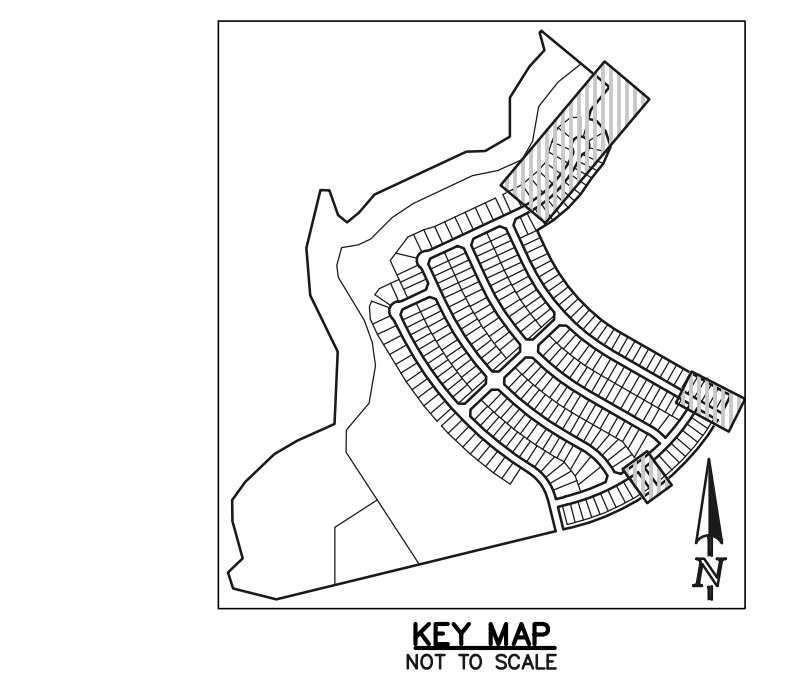


WATER LINE TABLE

LENGTH	BEARING
L37	14.50 S46°42'04"E
L38	19.43 S66°29'41"E
L39	34.91 N17°59'16"E
L40	60.62 N05°48'48"E
L41	119.59 N17°03'48"E
L42	84.64 N39°33'48"E
L43	40.00 N50°28'12"W
L44	194.46 N39°33'48"E
L54	159.98 S60°08'46"E
L55	434.82 S60°08'46"E

WATER CURVE TABLE

DELTA	LENGTH	RADIUS
C19	02°07'23"	48.17 1300.00
C18	21°44'52"	275.19 725.00
C20	26°13'17"	331.80 725.00



STREET ABBREVIATION INDEX:

N.B.D.	NEWPORT BEACH DRIVE
P.A.T.	PALO ALTO TRAIL

NOTE:
NO TREES WILL BE ALLOWED WITHIN 15' OF ANY PUBLIC WATER/WASTEWATER MAINLINES.

NOTE:
EXISTING UTILITIES AND STORM SEWER SHOWN IN AN APPROXIMATE WAY ONLY. ALL EXISTING UTILITIES AND STORM SEWER TO BE POTHOLED AND VERIFIED BOTH HORIZONTALLY & VERTICALLY PRIOR TO CONSTRUCTION & CONFLICTS REPORTED TO ENGINEER.

WATER NOTES:
UNLESS OTHERWISE INDICATED, MJ RESTRAINTS WILL BE USED ON ALL HORIZONTAL BENDS. MJ RESTRAINED PIPE LENGTHS ARE BASED ON TRIEWATER WATER & SANITATION DISTRICT SPECIFICATIONS. IF DETERMINED IN THE FIELD THAT THE MJ RESTRAINTS WILL NOT WORK THEN USE CONCRETE THRUST BLOCKS PER TRIEWATER WATER & SANITATION DISTRICT SPECIFICATIONS.

WHEN WATER MAIN CROSSES UNDER A WASTEWATER MAIN OR STORM SEWER MAIN SECONDARY CONTAINMENT MUST BE PROVIDED:
1. WATER MAIN OR ABOVE UTILITY SHALL BE CONSTRUCTED WITHOUT MECHANICAL JOINTS FOR 9 FEET ON EITHER SIDE OF THE CROSSING. PER TRIEWATER WATER & SANITATION DISTRICT SPECIFICATIONS.
2. THE WATER MAIN OR ABOVE UTILITY SHALL BE ENCASED IN FLOW FILL PER TRIEWATER WATER & SANITATION DISTRICT SPECIFICATIONS FOR 10 FEET ON EITHER SIDE OF CROSSING.

* THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE AUTHORITY SHALL BE NOTIFIED OF ANY DEVIATIONS TO THE LINE AND/OR GRADE AS DEPICTED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE AUTHORITY AND THE ENGINEER OF RECORD A REPORT OF THE FIELD VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION

LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
	PROPOSED ELECTRIC		EXISTING ELECTRIC

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
UTILITY NOTIFICATION CENTER OF COLORADO
IT'S THE LAW

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NO. REVISION

NO.	REVISION	DATE

REVIEW:
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

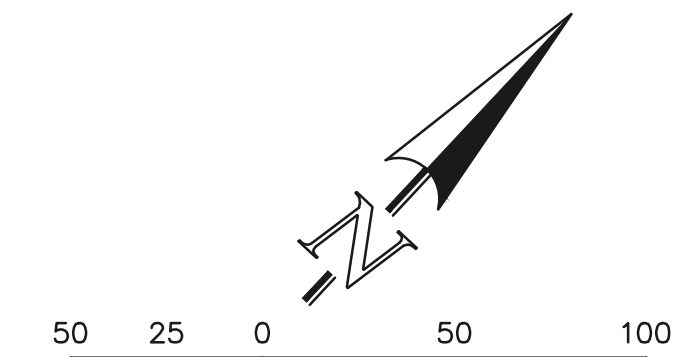
KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

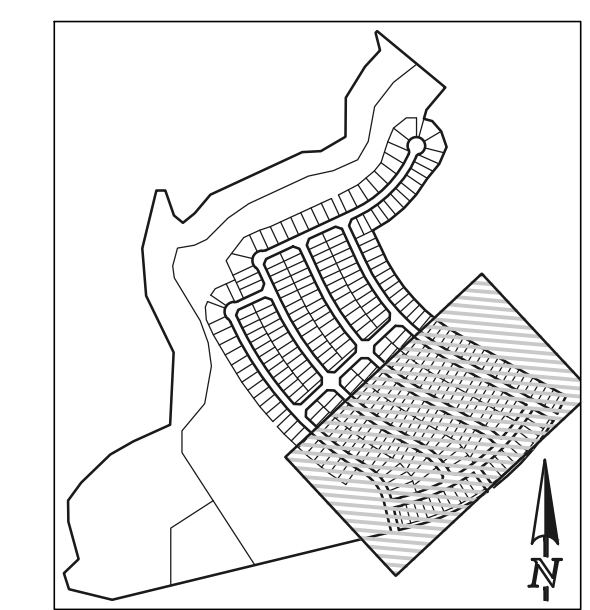
STERLING RANCH EAST FILING NO. 1 PUBLIC 8" PVC WATER SYSTEM PLAN

DESIGNED BY	BB	SCALE	DATE	04/04/23
DRAWN BY	BB	(H) 1" = 30'	SHEET	14 OF 17
CHECKED BY	(V) 1" = N/A	JOB NO.	1183.30	

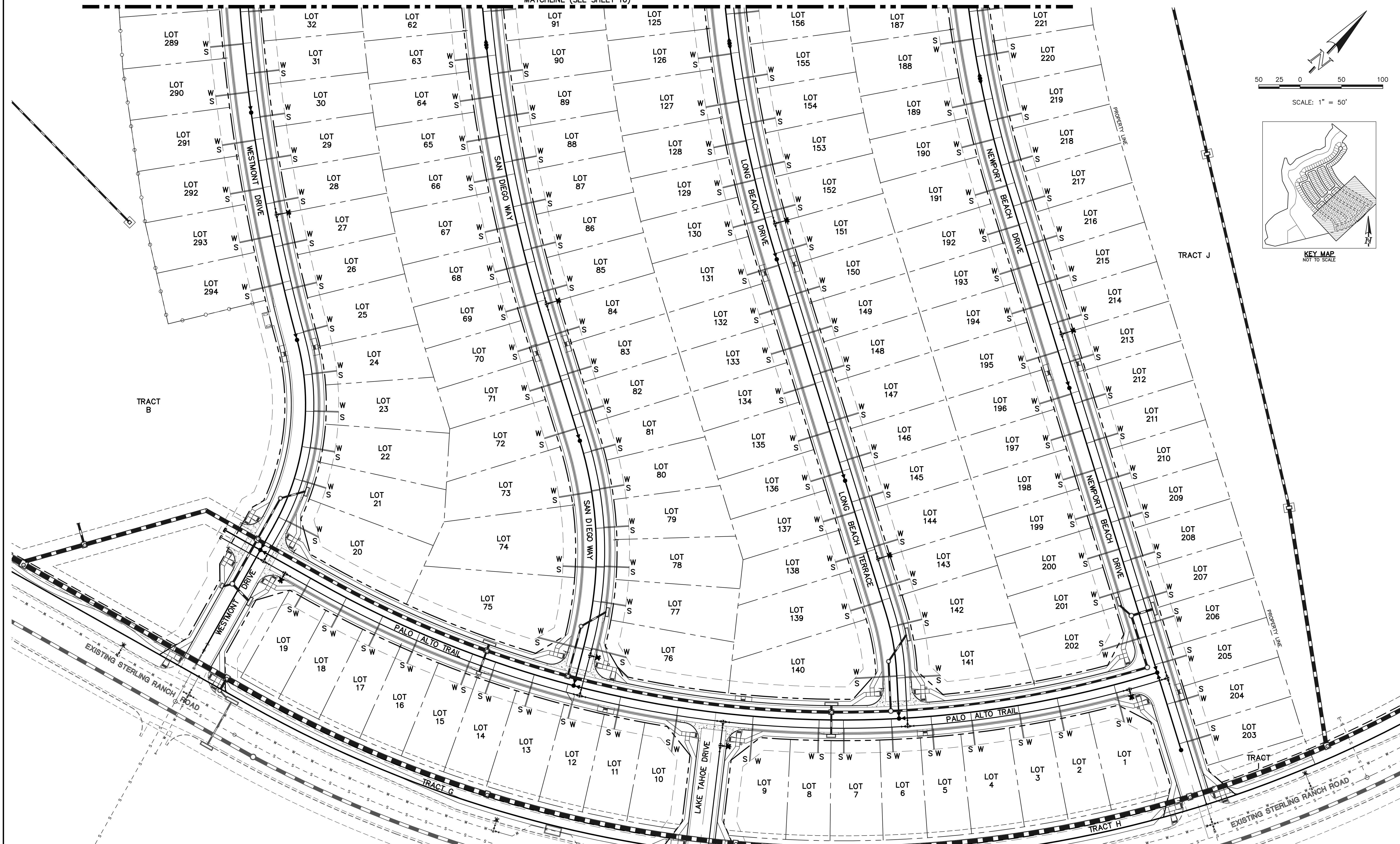
MATCHLINE (SEE SHEET 16)



SCALE: 1" = 50'



KEY MAP NOT TO SCALE



LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	EXISTING GAS MAIN		EXISTING ELECTRIC
	ROW/BOUNDARY LINE		

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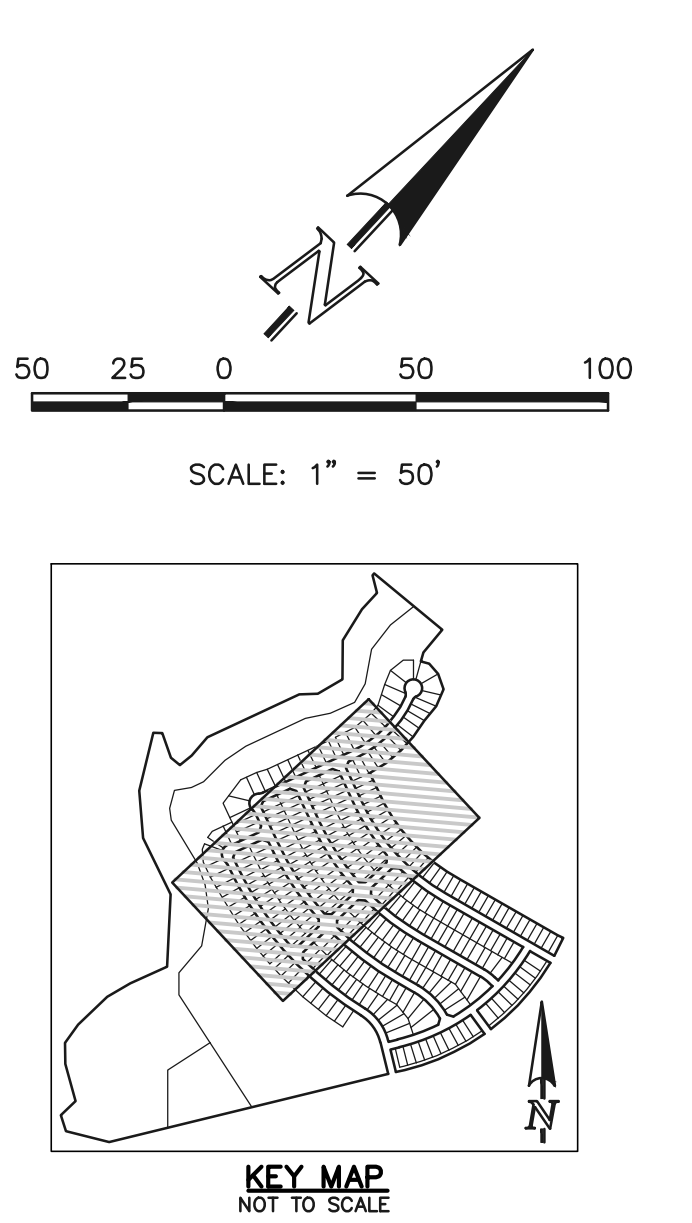
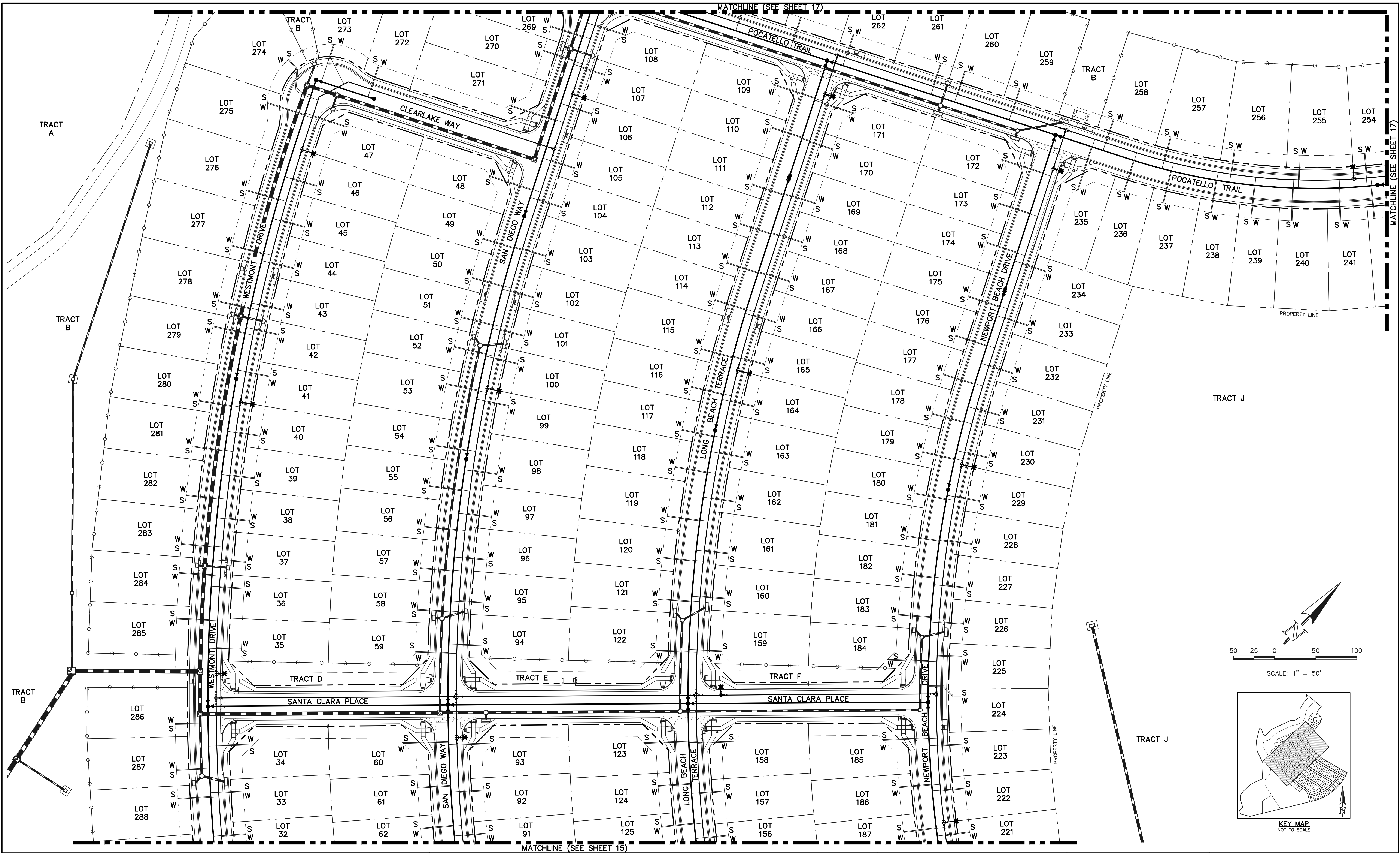
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KYLE R. CAMPBELL, COLORADO P.E. #29794 DATE

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

STERLING RANCH EAST FILING NO. 1 UTILITY SERVICE PLAN			
DESIGNED BY	BB	SCALE	DATE 04/04/23
DRAWN BY	BB	(H) 1" = 50'	SHEET 15 OF 17
CHECKED BY	(V)	1" = N/A	JOB NO. 1183.30

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LEGEND

	PROPOSED FIRE HYDRANT		EXISTING FIRE HYDRANT
	PROPOSED WATER MAIN		EXISTING WATER MAIN
	PROPOSED SANITARY SEWER MAIN		EXISTING SANITARY SEWER MAIN
	PROPOSED STORM SEWER		EXISTING STORM SEWER
	PROPOSED STORM INLET		EXISTING STORM INLET
	ROW/BOUNDARY LINE		EXISTING GAS MAIN
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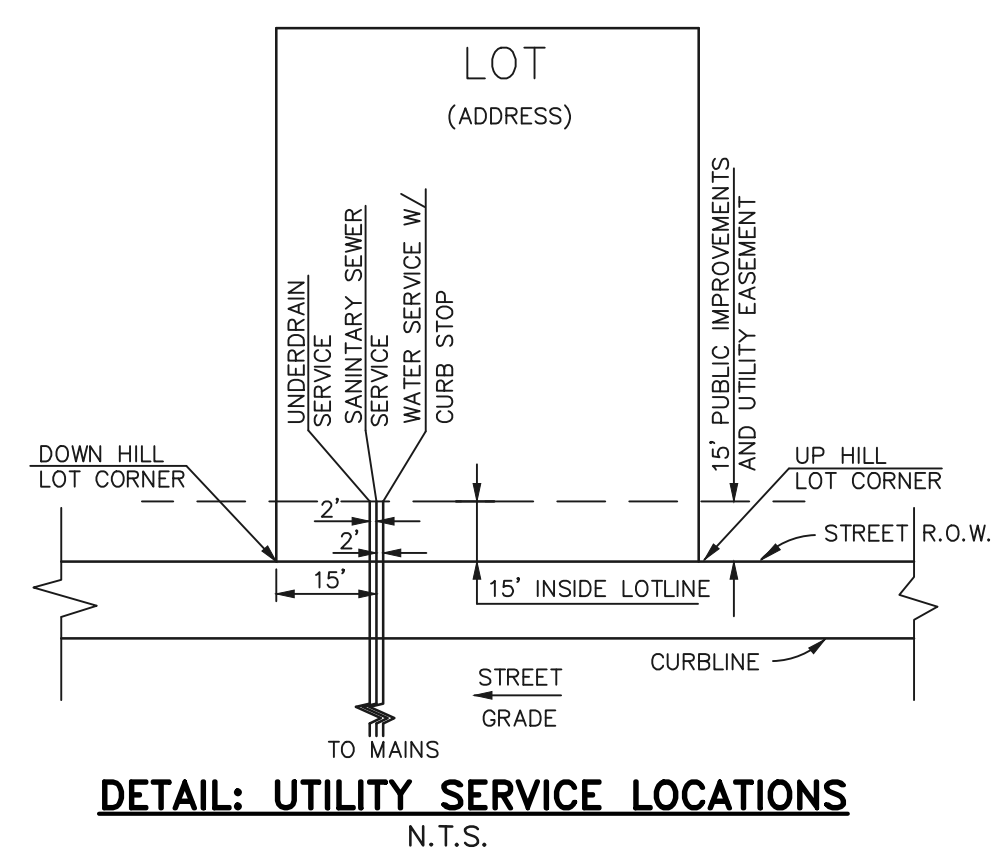
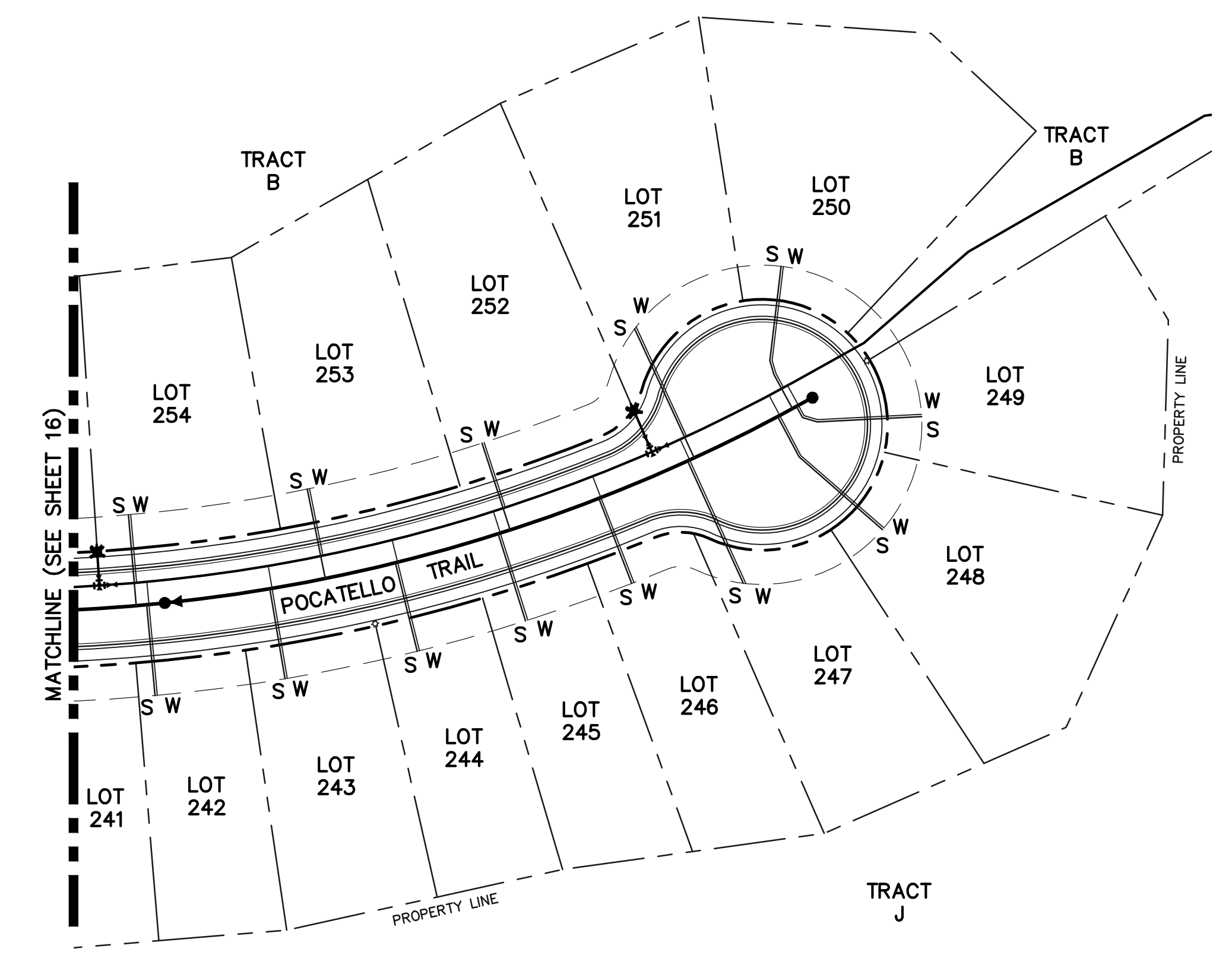
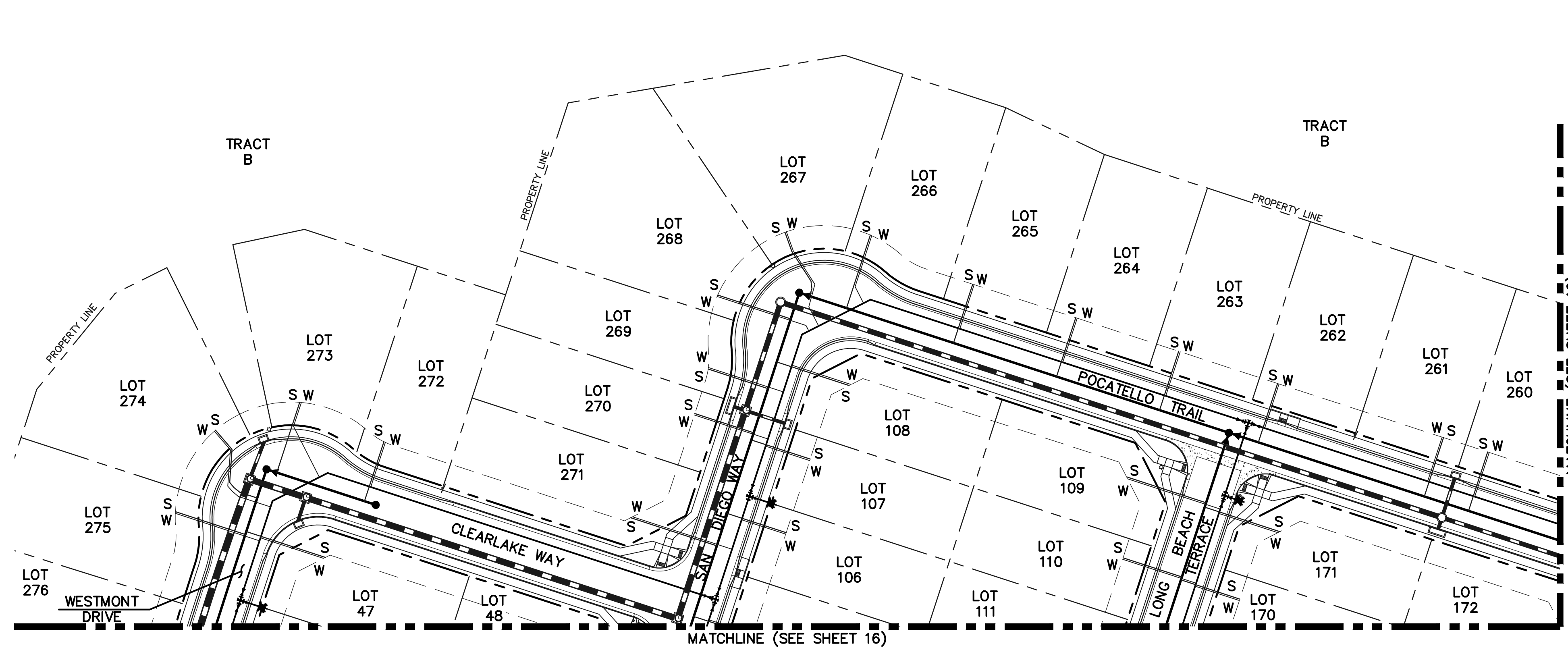
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DRAWN BY	BB	(H) 1" = 50'	SHEET	16 OF 17
CHECKED BY	(V)	1" = N/A	JOB NO.	1183.30

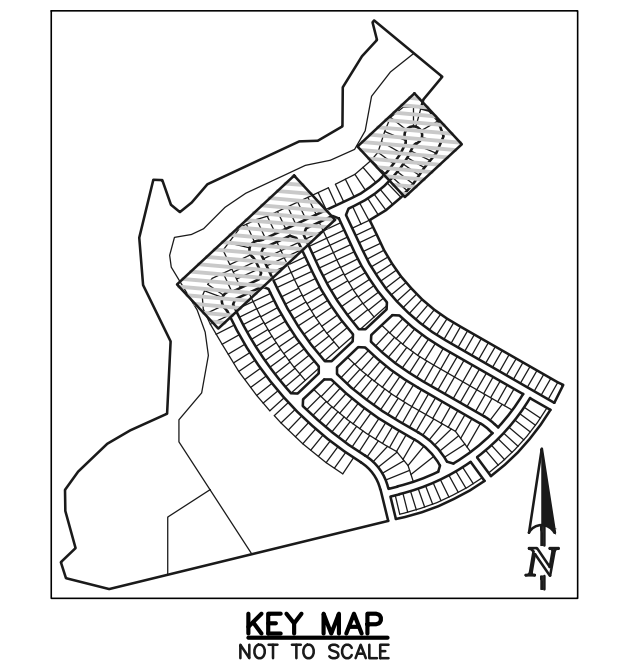
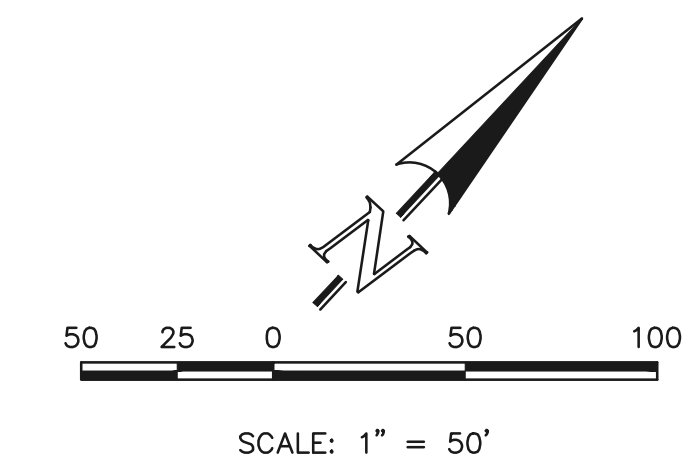
N:\118330\DRAWINGS\CONSTRUCTION\UTILITIES\118330-UTS16.dwg, 11/2/2023, 12:12:14 PM, 1:1



- NOTES:
- 1.) DIMENSIONS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
 - 2.) SEE DISTRICT SPECS. FOR TAPPING SADDLE DETAIL.
 - 3.) FINAL LOCATION OF ALL SEWER, WATER AND GAS SERVICES TO BE APPROVED IN THE FIELD BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
 - 4.) PROPERTY END OF ALL SEWER SERVICES TO BE MARKED WITH A 12"x2"x4" POST EXTENDING VERTICALLY OUT OF GROUND 36 INCHES FROM FLOWLINE.
 - 5.) WATER SERVICES NOT INSTALLED IN THE SAME TRENCH WITH SEWER SERVICE TO BE MARKED WITH A 6"x2"x4" POST EXTENDING 4' BELOW FINISH GRADE.
 - 6.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE DISTRICT AND COORDINATE ANY INTERRUPTION TO EXISTING WATER SERVICE.
 - 7.) RE-USE OF ANY MATERIAL IS LEFT TO THE DISCRETION OF THE DISTRICT.
 - 8.) ALL WATER MAIN FITTINGS SHALL BE STAKED PRIOR TO CONSTRUCTION.
 - 9.) ALL FIRE HYDRANTS TO BE 6.5' BURY DEPTH UNLESS OTHERWISE NOTED.
 - 10.) ALL SEWER SERVICES TO BE INSTALLED AT MINIMUM PERMISSIBLE GRADE UNLESS OTHERWISE APPROVED BY THE CONSTRUCTION MANAGER.
 - 11.) HOMEOWNER'S SHALL DETERMINE THE SEWER SERVICE ELEVATION PRIOR TO BASEMENT EXCAVATION AND SETTING OF FINISHED FLOOR FOR HOUSE.
 - 12.) MODIFY WATER AND SEWER SERVICE TAP LOCATIONS TO AVOID DRIVEWAYS
 - 13.) ALL WATER SERVICES ARE TYP K COPPER WITH 3/4" x 8" TAPS BY DEVELOPER UNLESS OTHERWISE NOTED ON PLANS.
 - 14.) ALL SANITARY SERVICES ARE 4" PVC WITH TAPS BY DEVELOPER UNLESS OTHERWISE NOTED ON PLANS.
 - 15.) ALL UNDERDRAINS TO GRAVITY OUTFALL

CONTRACTOR TO TAKE CAUTION WHEN CROSSING UTILITY MAINS W/ SERVICES

MINIMUM SLOPES FOR WASTEWATER SERVICE LINES	
4" PVC	2.08% OR 1/4" PER FOOT
4" DUCTILE IRON PIPE	1.04% OR 1/8" PER FOOT
6" PIPE	1.04% OR 1/8" PER FOOT



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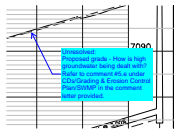
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V_4 CDS Utility.pdf Markup Summary

Callout (1)



Subject: Callout
Page Label: 6
Author: CDurham
Date: 12/1/2023 2:39:33 PM
Status:
Color: ■
Layer:
Space:

Unresolved:
Proposed grade - How is high groundwater being dealt with? Refer to comment #5.e under CDs/Grading & Erosion Control Plan/SWMP in the comment letter provided.

Text Box (1)



Subject: Text Box
Page Label: 1
Author: CDurham
Date: 12/6/2023 4:20:22 PM
Status:
Color: ■
Layer:
Space:

Add note
"El Paso County does not own and is not responsible for the underdrains or groundwater discharge systems shown on these plans and assumes no liability for water rights administration by approving these plans. Maintenance and water rights are the responsibility of the developer and ____ [xx metropolitan district, or yy property owner's association]____."