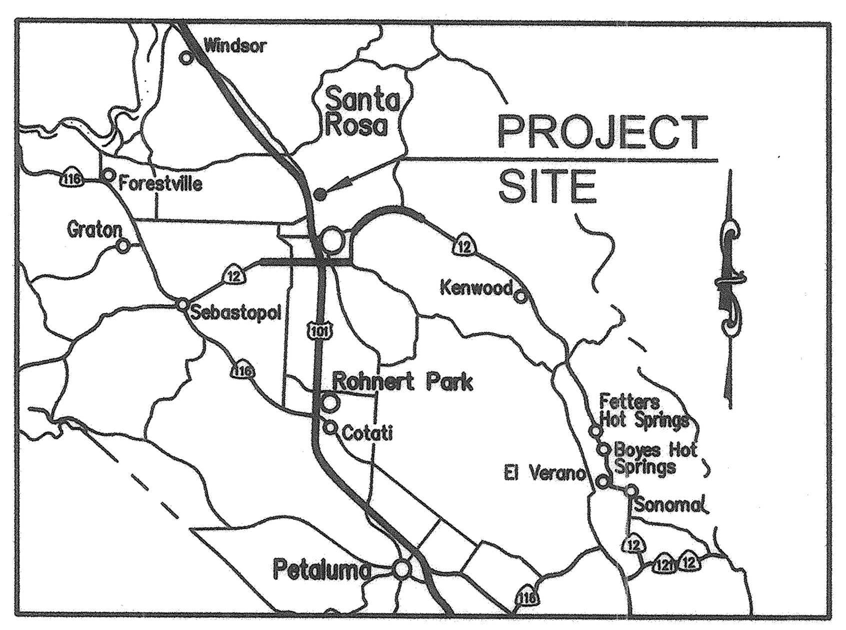
CITY OF SANTA ROSA

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue Santa Rosa, CA 95405
707-571-8005
PLANS PREPARED BY:
Heidi E. Utterback 06/02/21
HEIDI E. UTTERBACK, RCE 53723 DATE

IMPROVEMENT PLANS FOR

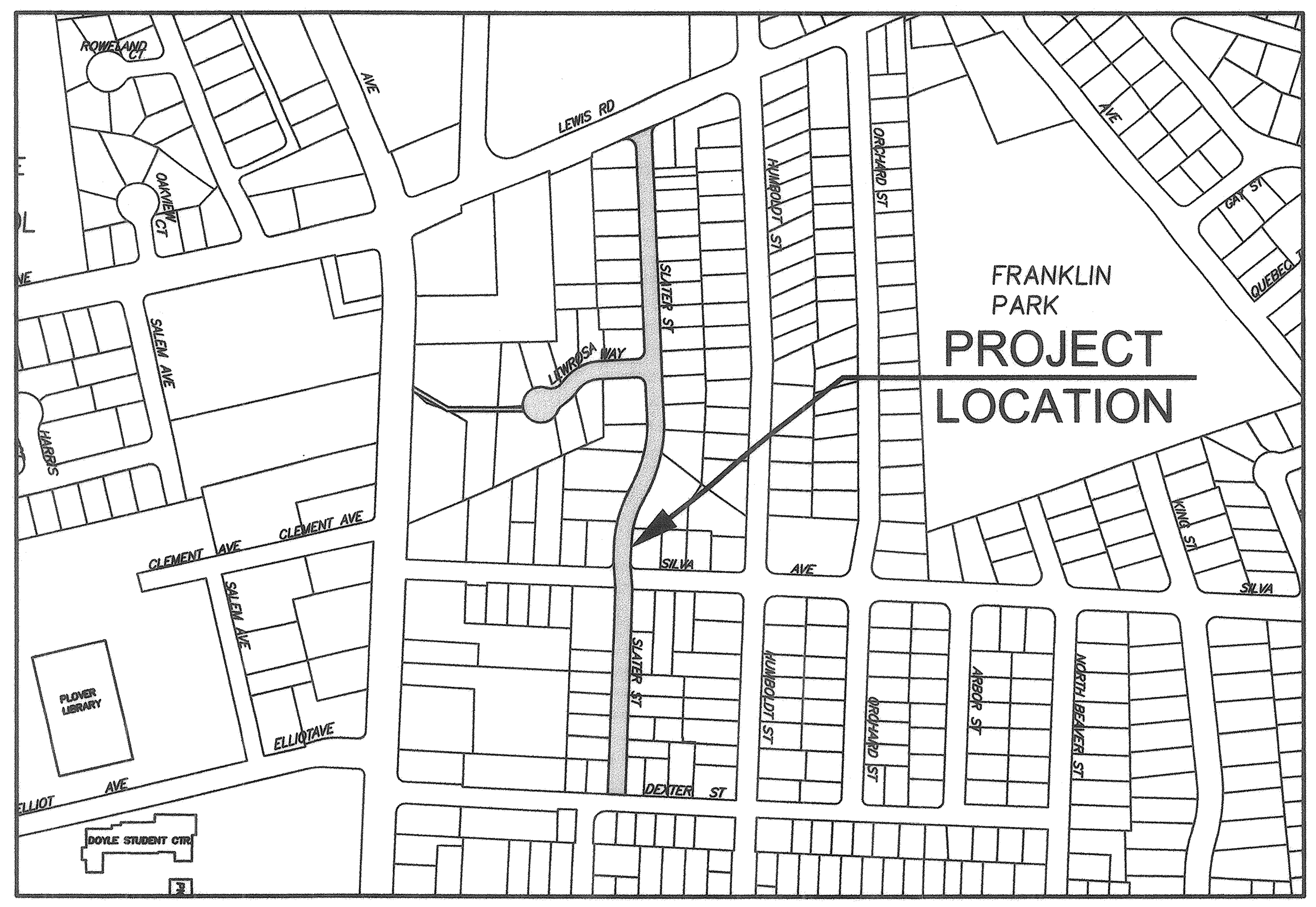
SLATER STREET & LEWROSA WAY SEWER & WATER MAIN REPLACEMENT PROJECT

CONTRACT No. C00189



VICINITY MAP

NOT TO SCALE



LOCATION MAP

NOT TO SCALE

INDEX OF SHEETS

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
CALL 811
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

RECORD PLAN DATA

PROJECT START:	WATER SERVICE TYPE:
PROJECT END:	MANUFACTURER:
GEN. CONTRACTOR:	FIRE HYDRANT TYPE:
SUPERINTENDENT:	MANUFACTURER:
UNDERGROUND CONTRACTOR:	INSPECTOR:
FOREMAN:	CONSTRUCTION MANAGER:
SEWER PIPE TYPE:	RECORD PLANS BY:
MANUFACTURER:	
SEWER FITTINGS MANUFACTURER:	ADDITIONAL INFO:
M.H. MANUFACTURER:	
WATER PIPE TYPE:	
MANUFACTURER:	
WATER VALVE MANUFACTURER:	
WATER FITTINGS MANUFACTURER:	

Dept.	Signature	Date
Design/Const		6/2/21
Survey		6/9/21
TPW Field Svc's		6/4/21
Utilities Op's		6/3/21
Traffic		6/3/21
Materials Lab		6/2/21
Storm Water		6/3/2021

No.	Date	Revision	By

SCALE: AS SHOWN DATE: JUNE 2021
DWN BY: WJK / PGC CHK BY: HEU
APPROVED: Deputy Director – Engineering
By ______ Date 6/15/21

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

COVER SHEET

CONTRACT NO. C00189

SHEET 1 OF 25

FILE NO. 2021-0011

LEGEND

	EXISTING	NEW
SINGLE 1" WATER SERVICE		
WATER MAIN, GATE VALVE, CROSS, & TEMPORARY BLOW OFF		
1.5" WATER SERVICE WITH TWO METERS		
SINGLE 2" WATER SERVICE		
4" MANIFOLD SERVICE		N/A
NEW WATER SERVICE, WATER METER WITH (E) BACK FLOW PREVENTION DEVICE		
FIRE HYDRANT ASSEMBLY AND TEE		STD 857
WATER VAULT		N/A
SEWER LATERAL & CLEANOUT (DISTANCE FROM MAIN TO CLEANOUT)		STD 513A
SEWER MAIN, MANHOLE & CLEANOUT AND FLOW DIRECTION		STD 505 MH STD 500
ABANDONED SEWER PIPE		STD 507
STORM DRAIN	EX. SD	PROPOSED SD
STORM DRAIN CATCH BASIN		
STORM DRAIN MANHOLE		
STORM DRAIN JUNCTION BOX	N/A	
SIDEWALK DRAIN DROP INLET		N/A
GAS		N/A
STREET LIGHT & ELECTRICAL		N/A
TELEPHONE		N/A
ABANDONED FACILITY		
JOINT POLE AND GUY ANCHOR		N/A
STREET LIGHT		N/A
CITY MONUMENT		
STREET ADDRESS	952	N/A
A.P.N.	125-221-019	N/A
PROPERTY CORNER		N/A
PROPERTY LINE		N/A
FLOW LINE		N/A
ASPHALT CONCRETE	N/A	
TRENCH PAVING	N/A	STD 215
CONCRETE SIDEWALK & CURB RAMP		
NON-WALKABLE COBBLE SURFACE	N/A	
DETECTABLE WARNING SURFACE	N/A	
LANDSCAPE VEGETATION – HEDGE		N/A
PG&E POTHOLE AND NUMBER	N/A	N/A
SURVEY CONTROL POINT	PNT #?	N/A
DECIDUOUS TREE / SHRUBS		N/A
SIGNS		
POTHOLE	PH#4	N/A
CHAIN LINK FENCING		N/A
WOOD FENCING		

ABBREVIATIONS

AC	ASPHALT CONCRETE	LT	LEFT
ACP	ASBESTOS CEMENT PIPE	PCC	POINT OF COMPOUND CURVE
APN	ASSESSORS PARCEL NUMBER	PH	POTHOLE
ARV	AIR RELEASE VALVE	PED	PEDESTRIAN
BC	BEGIN CURVE	PL	PROPERTY LINE
BFP	BACK FLOW PREVENTER	PVI	POINT OF VERTICAL INTERSECTION
BO	BLOWOFF		
BRC	BEGIN REVERSE CURVE	PRV	PRESSURE REDUCING VALVE
BSW	BACK OF SIDEWALK	OD	OUTSIDE DIMENSION
BWV	BACKWATER VALVE	OH	OVERHEAD UTILITY
BVC	BEGIN VERTICAL CURVE	RC	RELATIVE COMPACTION
CB	CATCH BASIN	RCP	REINFORCED CONCRETE PIPE
C&G	CURB & GUTTER	R&R	REMOVE & REPLACE
CI	CAST IRON	RT	RIGHT
CL	CENTERLINE	SD	STORM DRAIN
CLC	CONTROL LINE COORDINATE	SDJB	STORM DRAIN JUNCTION BOX
CMP	CORRUGATED METAL PIPE	SDMH	STORM DRAIN MANHOLE
CO	CLEANOUT	SS	SANITARY SEWER
CONC	CONCRETE	SS LAT	SANITARY SEWER LATERAL
CR	CURB RETURN	SSMH	SANITARY SEWER MANHOLE
DET	DETECTOR	SSCO	SANITARY SEWER CLEANOUT
DI	DROP INLET		
DWY	DRIVEWAY	STL	STEEL PIPE
EC	END CURVE	STD	STANDARD
EFC	EAST FACE OF CURB	SW	SIDEWALK
ELEC	ELECTRIC	TB	TOP OF BANK
ELEV	ELEVATIONS	TC	TOP OF CURB
EP	EDGE OF PAVEMENT	TEL	TELEPHONE
EVC	END VERTICAL CURVE	TG	TOP OF GRATE
EX,(E)	EXISTING	TOP	TOP OF PIPE
FBG	FEET BELOW GRADE	TS	TRAFFIC SIGNAL
FC	FACE OF CURB	TYP	TYPICAL
FG	FINISHED GRADE	UG	UNDERGROUND
FH	FIRE HYDRANT	UPC	UNIFORM PLUMBING CODE
FL	FLOW LINE	USA	UNDERGROUND SERVICE ALERT
FLG	FLOW LINE OF GUTTER	VC	VERTICAL CURVE
FSW	FRONT OF SIDEWALK	VCP	VITRIFIED CLAY PIPE
G	GAS	VLT	VAULT
GB	GRADE BREAK	VAR	VARIES
G SER	GAS SERVICE	WM	WATER MAIN
IC	INTERCONNECT	WS	WATER SERVICE
IG	INVERT GRADE	W SER	WATER SERVICE
INV	INVERT GRADE	WTR, W	WATER
LF	LINEAR FEET	< PT	ANGLE POINT
LG	LIP OF GUTTER		

CONSTRUCTION NOTE DESIGNATIONS

- D1 = STORM DRAIN AND RELATED ITEMS.
- R1 = ROADWAY AND RELATED ITEMS.
- S1 = SEWER AND RELATED ITEMS.
- T1 = TRAFFIC STRIPING AND RELATED ITEMS.
- W1 = WATER AND RELATED ITEMS.

GENERAL NOTES

1. ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA STANDARD PLANS, THE CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.
2. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811 NO LESS THAN 2 WORKING DAYS PRIOR TO ANY EXCAVATION FOR MARK OUTS OF EXISTING UNDERGROUND FACILITIES IN ACCORDANCE WITH SECTION 5-1.36E OF THE SPECIAL PROVISIONS.
3. THE LOCATIONS OF UNDERGROUND UTILITIES AND OTHER OBSTACLES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE EXACT LOCATION OF ALL POTENTIAL CONFLICTS IN ACCORDANCE WITH U.S.A. LAWS AND THESE SPECIAL PROVISIONS AND THE STANDARD SPECIFICATIONS. IF ANY UNMARKED UTILITIES ARE ENCOUNTERED, OR IF UNABLE TO LOCATE A MARKED UTILITY AFTER POT HOLING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THAT UTILITY AND THE ENGINEER.
4. THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER 10 WORKING DAYS IN ADVANCE FOR REFERENCING OF EXISTING MONUMENTS TO BE DISTURBED. THE CONTRACTOR SHALL RECONSTRUCT DISTURBED MONUMENTS IN ACCORDANCE WITH CITY STANDARD 280.
5. OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED CLEARANCES UNDER OVERHEAD UTILITY LINES AND LOW HANGING TREE BRANCHES. THE CONTRACTOR'S TRUCKS AND EXCAVATION EQUIPMENT SHALL BE SIZED SO THAT OVERHEAD WIRES AND TREE BRANCHES ARE NOT DAMAGED.
6. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AS GENERATED AND AT NO TIME SHALL THE CONTRACTOR PLACE EXCAVATED MATERIAL AT THE WORK SITE.
7. THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. FOR CLARITY OF EXISTING SUBSURFACE CONDITIONS, NOT ALL CROSSWALKS, STOP BARS, OR EXISTING PAVEMENT MARKINGS ARE SHOWN ON THE PLANS. TRAFFIC STRIPES, RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED PER CITY OF SANTA ROSA TRAFFIC STANDARDS PART III, TRAFFIC MARKINGS. PATCHING OF DAMAGED MARKINGS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ALL DAMAGED RAISED PAVEMENT (NON-REFLECTIVE) MARKERS MUST BE CERAMIC.
9. ATTENTION IS DIRECTED TO THE CONTRACTOR THAT PEA GRAVEL, RIVER RUN, OR SLOUGHING MATERIAL MAY BE ENCOUNTERED IN EXISTING UTILITY TRENCHES THROUGHOUT THE PROJECT.
10. IN THE EVENT THAT HISTORIC REMAINS OF PREHISTORIC OR HISTORIC HUMAN ACTIVITIES ARE ENCOUNTERED DURING THE PROJECT ALL GROUND DISTURBING ACTIVITY IN THE VICINITY OF THE FINDS SHALL CEASE AND THE ENGINEER SHALL BE IMMEDIATELY CONTACTED. WORK SHALL NOT RESUME UNTIL AN ARCHEOLOGIST HAS COMPLETED AN EVALUATION OF SIGNIFICANCE.

REGISTERED PROFESSIONAL ENGINEER
HEIDI E. UTTERBACK
No. 53723
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

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DWN BY: WJK / PGC
CHK BY: HEU
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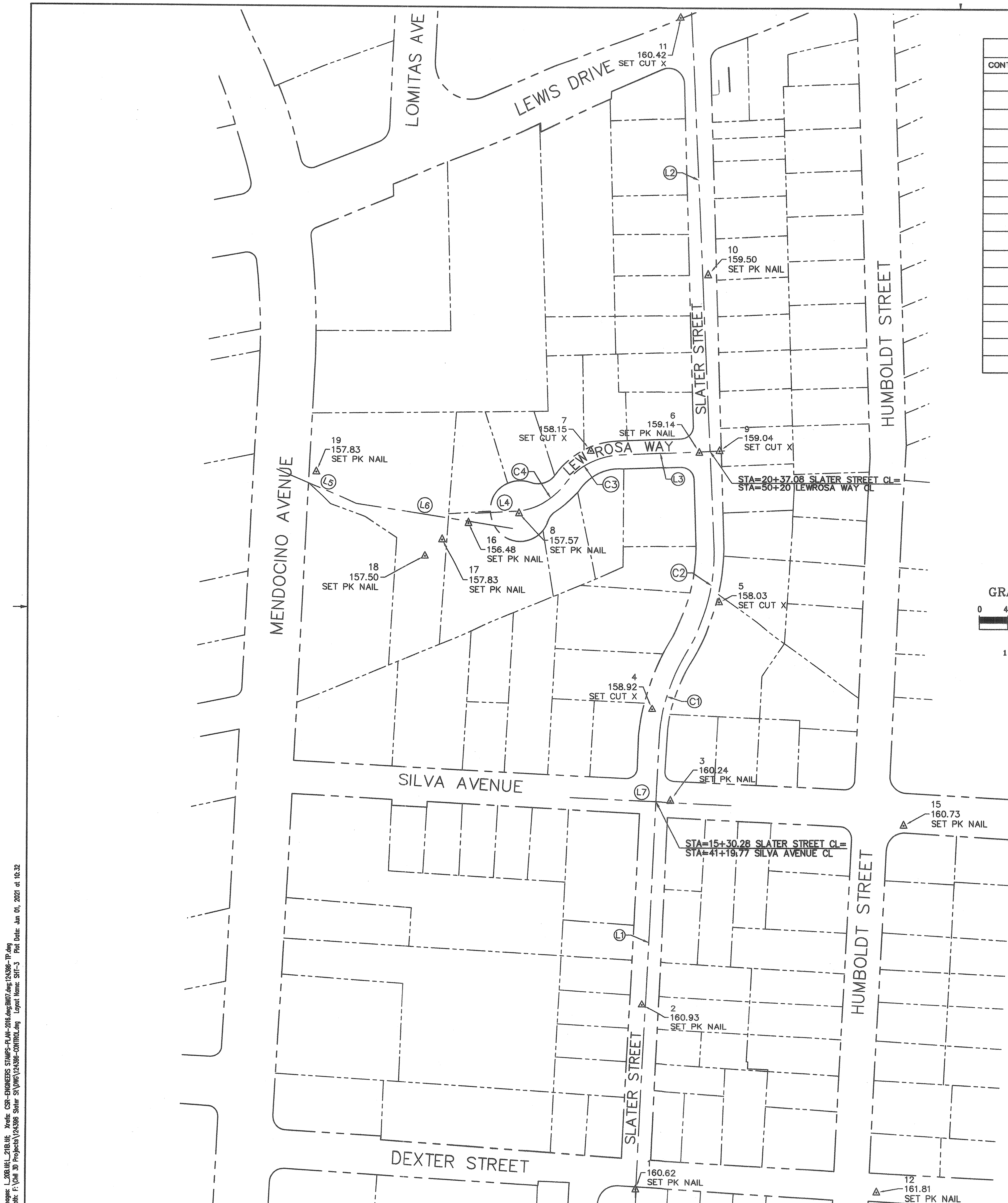
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

LEGEND, ABBREVIATIONS & GENERAL NOTES

CONTRACT NO. C00189

FILE NO. 2021-0011



SURVEY CONTROL DATA				
CONTROL POINT NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
1	1929161.65	6356826.68	160.62	SET PK NAIL
2	1929417.17	6356834.30	160.93	SET PK NAIL
3	1929696.94	6356873.38	160.24	SET PK NAIL
4	1929829.47	6356847.22	158.92	SET CUT X
5	1929978.74	6356940.63	158.03	SET CUT X
6	1930185.70	6356912.36	159.14	SET PK NAIL
7	1930187.41	6356760.32	158.15	SET CUT X
8	1930098.00	6356660.43	157.57	SET PK NAIL
9	1930188.27	6356940.60	159.04	SET CUT X
10	1930433.92	6356923.78	159.50	SET PK NAIL
11	1930791.83	6356884.35	160.42	SET CUT X
12	1929159.68	6357162.71	161.81	SET PK NAIL
15	1929664.84	6357199.10	160.73	SET PK NAIL
16	1930084.98	6356589.82	156.48	SET PK NAIL
17	1930062.95	6356553.19	157.83	SET PK NAIL
18	1930039.54	6356529.18	157.50	SET PK NAIL
19	1930154.61	6356377.25	157.83	SET PK NAIL

GRAPHIC SCALE

0 40 80 160

(IN FEET)
1 inch = 80 ft.

SLATER ST CENTERLINE ALIGNMENT CONTROL TABLE				
Line #	Length	Direction	Start Point	End Point
C1	132.77	N16° 51' 19.45"E	N=1929784.54 E=6356857.07	N=1929910.18 E=6356895.29
C2	154.72	N9° 38' 55.75"E	N=1929910.18 E=6356895.29	N=1930057.81 E=6356933.30
L1	634.45	N2° 45' 18.22"E	N=1929150.81 E=6356826.57	N=1929784.54 E=6356857.07
L2	742.72	N2° 36' 43.10"W	N=1930057.81 E=6356933.30	N=1930799.76 E=6356899.45

LEWROSA WAY CENTERLINE ALIGNMENT CONTROL TABLE				
Line #	Length	Direction	Start Point	End Point
C3	91.62	S56° 40' 06.46"W	N=1930182.03 E=6356801.40	N=1930139.31 E=6356723.95
C4	81.68	S52° 47' 28.70"W	N=1930139.31 E=6356723.95	N=1930100.91 E=6356655.02
L3	146.10	S87° 22' 10.49"W	N=1930188.73 E=6356947.34	N=1930182.03 E=6356801.40
L4	55.60	S86° 52' 27.45"W	N=1930100.91 E=6356655.02	N=1930097.88 E=6356599.50

EASEMENT CENTERLINE ALIGNMENT CONTROL TABLE				
Line #	Length	Direction	Start Point	End Point
L5	120.95	S66° 36' 26.70"E	N=1930157.93 E=6356322.12	N=1930109.91 E=6356433.12
L6	220.58	S81° 46' 16.84"E	N=1930109.91 E=6356433.12	N=1930078.34 E=6356651.43

SILVA AVE CENTERLINE ALIGNMENT CONTROL TABLE				
Line #	Length	Direction	Start Point	End Point
L7	225.00	S87° 37' 51.32"E	N=1929700.41 E=6356733.11	N=1929691.11 E=6356957.92

BASIS OF BEARINGS

NORTH 83° 34' 43" EAST BETWEEN CITY OF SANTA ROSA HORIZONTAL CONTROL NETWORK COORDINATE MONUMENTS G-34 & G-1005. NAD83 – ZONE 2 – EPOCH 2010.00

BENCHMARK

CITY OF SANTA ROSA VERTICAL CONTROL NETWORK BENCHMARK C-133. ELEVATION = 163.20 FEET (NGVD 29).

HEIDI E. UTTERBACK
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DWN BY: WJK / PCC
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DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY SEWER & WATER MAIN REPLACEMENT PROJECT

SURVEY CONTROL PLAN

CONTRACT NO. C00189

FILE NO. 2021-0011

Images: L_20B.tif;L_21B.tif; Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;BM07.dwg;124396-TP.dwg
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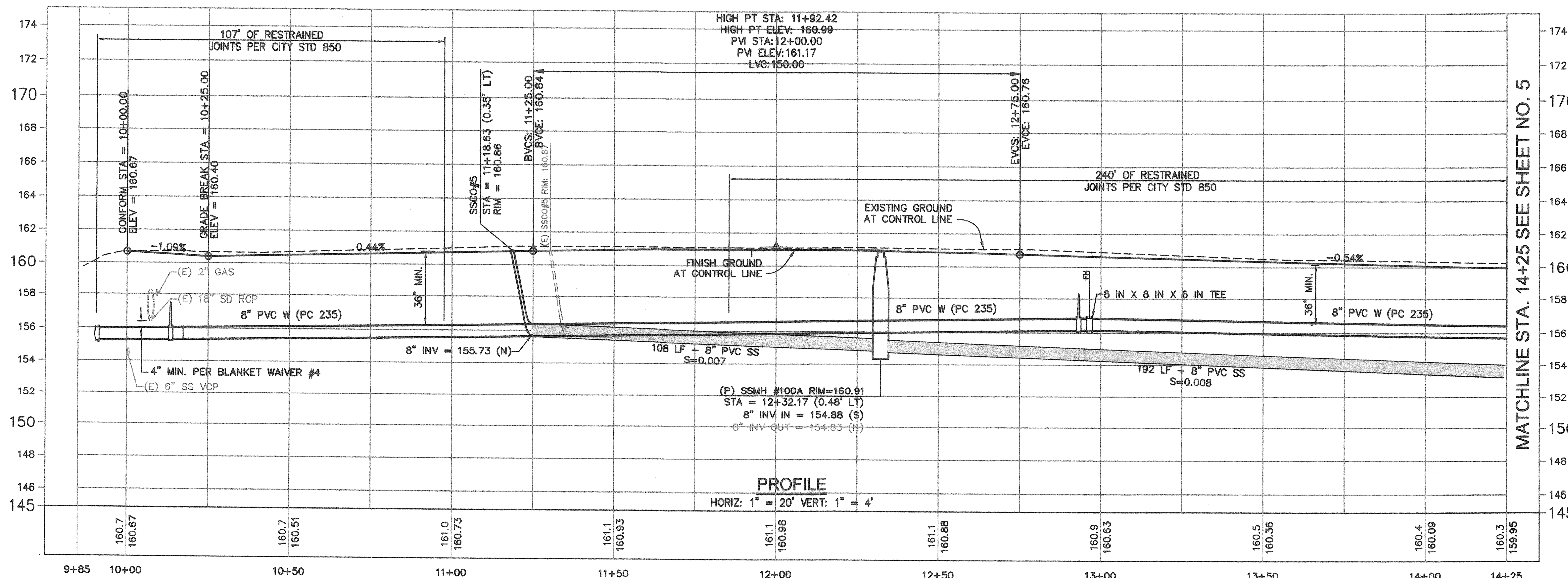
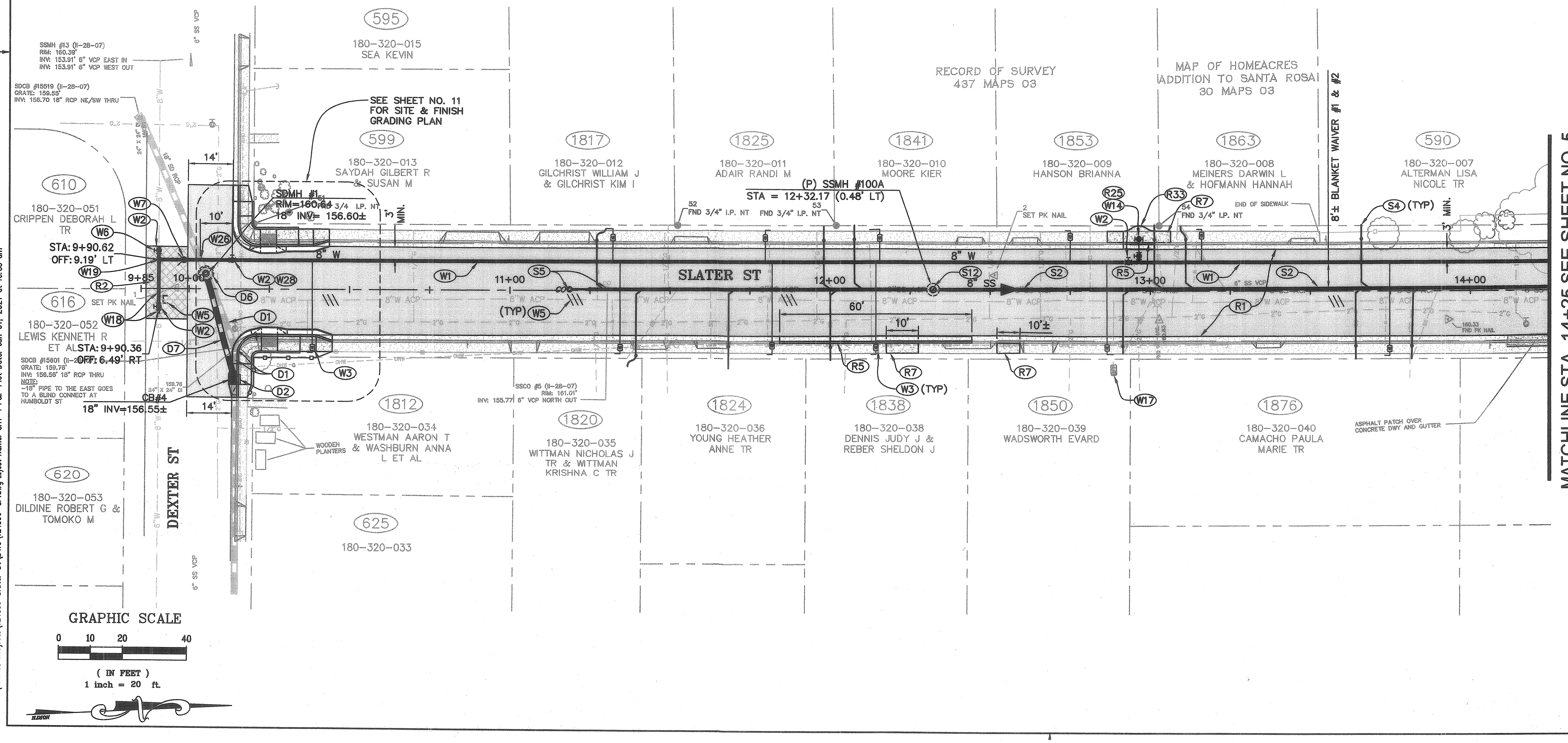
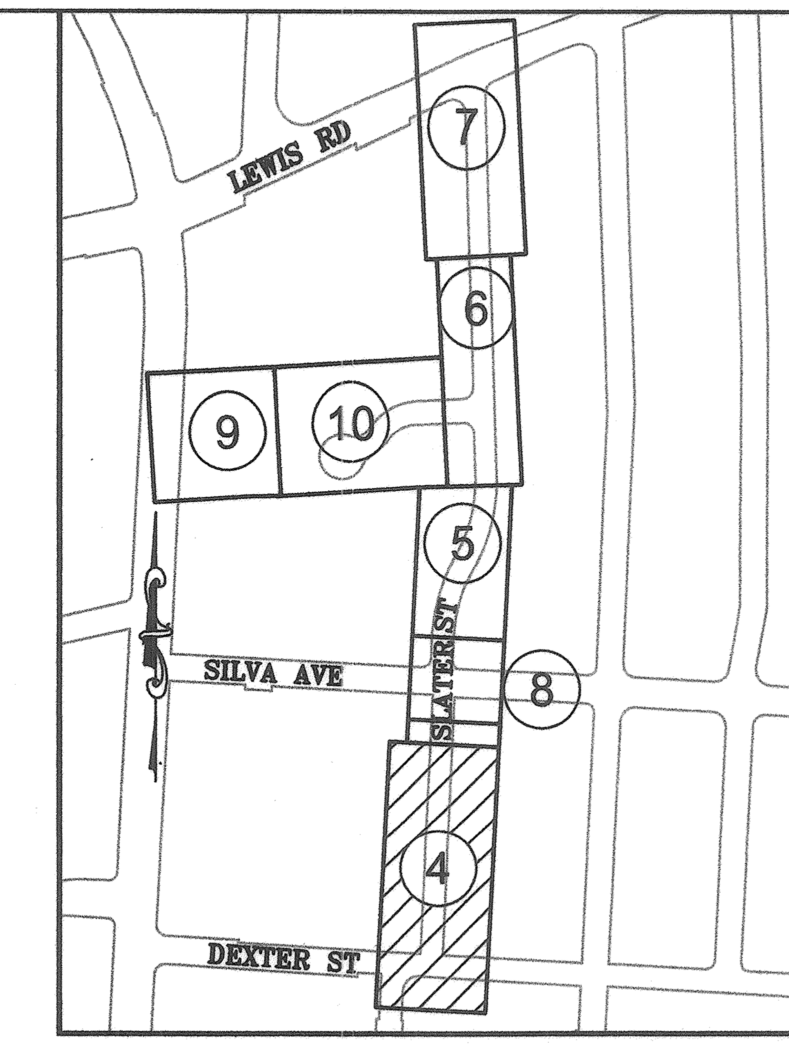
SLATER STREET CL PROFILE







SHEET INDEX
NOT TO SCALE

CONSTRUCTION NOTES:

- (D1) REMOVE EXISTING DRAINAGE INLET AND 18" RCP.
- (D2) INSTALL TYPE 1 CATCH BASIN PER CITY STD 403.
- (D6) INSTALL 48" STORM DRAIN MANHOLE WITH REDUCER SLAB PER DETAIL 10/25
- (D7) INSTALL 31 LF 18" CLASS V RCP STORM DRAIN LINE PER CITY STDS. S=0.0016
- (R1) RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- (R2) PLACE PERMANENT TRENCH PAVING PER CITY STD 215.
- (R5) REMOVE AND REPLACE CURB & GUTTER PER CITY STD 241.
- (R7) REMOVE & REPLACE SIDEWALK PER CITY STD 237.
- (R25) PROVIDE 3' CLEAR SIDEWALK AT FIRE HYDRANT.
- (R33) PROVIDE SIDEWALK OBSTRUCTION TRANSITION SIMILAR TO CITY STD 231, WITH 4' RADIUS CURVES.
- (S2) REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- (S4) REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- (S5) REMOVE EXISTING CLEANOUT & INSTALL SANITARY SEWER MAIN LINE CLEANOUT WHERE SHOWN PER CITY STD 505.
- (S12) INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- (W1) INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- (W2) INSTALL GATE VALVE PER CITY STD 877.
- (W3) INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- (W5) REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- (W6) TIE-IN TO EXISTING WATER MAIN. INSTALL 8"x8"x8" TEE AND FITTINGS, UNDER AUTHORIZED CITY INSPECTION.
- (W7) INSTALL TEMPORARY BLOW OFF PER CITY STD 859 AND SPECIFICATIONS.
- (W14) INSTALL RESIDENTIAL FIRE HYDRANT SIMILAR TO CITY STD. 857. FIRE HYDRANT TO BE SET AT 18" FROM FACE OF CURB.
- (W17) EXISTING BACKFLOW ASSEMBLY TO BE RECERTIFIED PER CITY STDS.
- (W18) REMOVE EXISTING TEE AND REPLACE WITH 8" PVC (PC235) WATER MAIN, 8"x6" REDUCER AND COUPLERS AS A SINGLE OPERATION UNDER AUTHORIZED CITY INSPECTION.
- (W19) INSTALL THRUST BLOCK PER CITY STD 854.
- (W26) INSTALL ONE 20-FT STICK OF 8" PVC (PC 305) CENTERED UNDER STORM DRAIN PIPE PER CITY BLANKET WAIVER #3.
- (W28) GATE VALVE TO BE 10' FROM CENTER OF STORM DRAIN PIPE PER BLANKET WAIVER #3.

REGISTERED PROFESSIONAL ENGINEER — HEIDI E. UTTERBACK — No. 53723 — CIVIL — STATE OF CALIFORNIA

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SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SLATER STREET PLAN & PROFILE STA 10+00 TO STA 14+25

CONTRACT NO. C00189
SHEET 4 OF 25
FILE NO. 2021-0011

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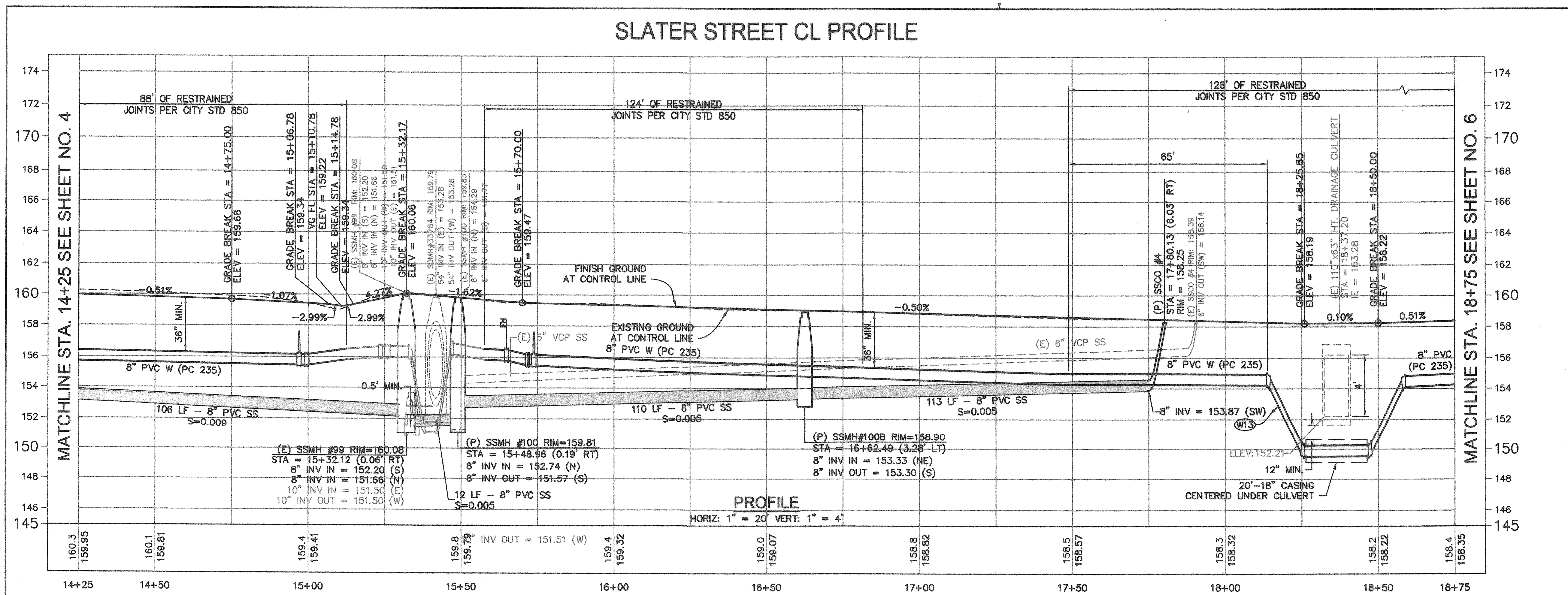
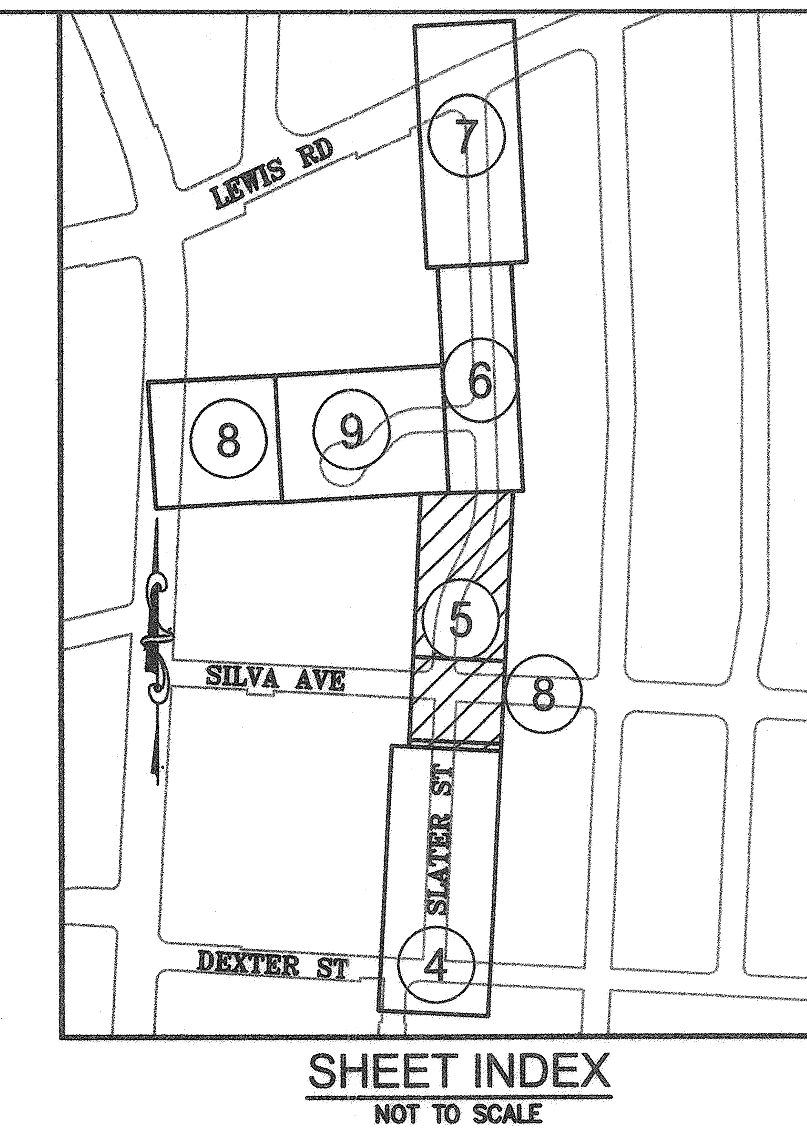
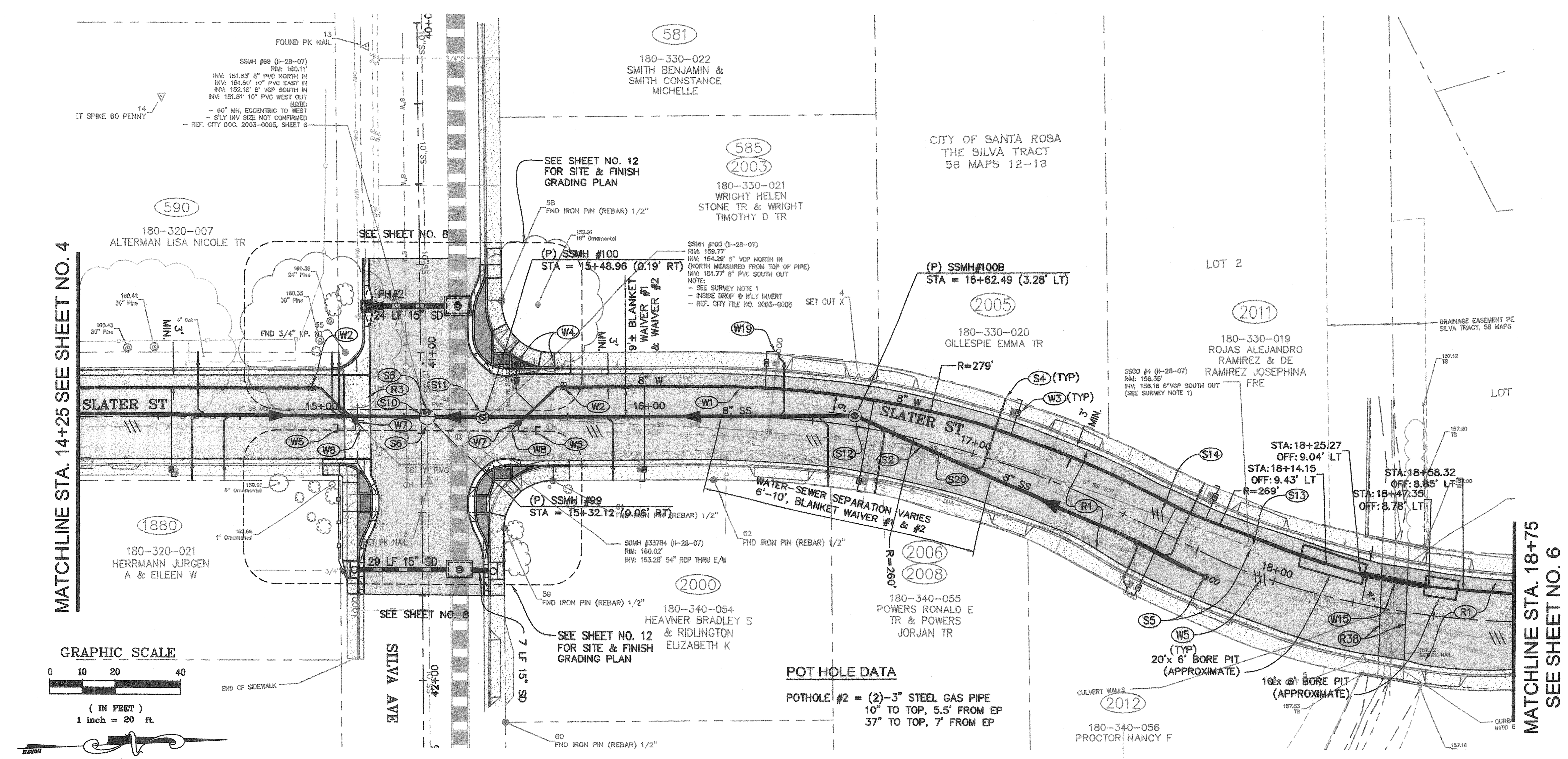
SLATER STREET CL PROFILE







GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

POT HOLE DATA

POTHOLE #2 = (2)-3" STEEL GAS PIPE
10" TO TOP, 5.5' FROM EP
37" TO TOP, 7' FROM EP

CONSTRUCTION NOTES:

- (R1) RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- (R3) REMOVE & REPLACE VALLEY GUTTER PER CITY STD 243.
- (R38) REMOVE & REPLACE ASPHALT CONCRETE PER TYPICAL SECTION 6/25
- (S2) REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- (S4) REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- (S5) REMOVE EXISTING CLEANOUT & INSTALL SANITARY SEWER MAIN LINE CLEANOUT WHERE SHOWN PER CITY STD 505.
- (S6) CONNECT EXISTING MAIN TO NEW SSMH PER CITY STANDARDS.
- (S10) REMOVE EXISTING MANHOLE AND INSTALL 60" SANITARY SEWER MANHOLE SIMILAR TO CITY STD 500 WITH ECCENTRIC CONE.
- (S11) REMOVE EXISTING MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE WITH CHANNEL INVERT SLIDE PER CITY STD 500 & 503.
- (S12) INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- (S13) ABANDON (E) SS CLEANOUT PER CITY STDS.
- (S14) REMOVE OR ABANDON EXISTING SEWER SYSTEM COMPONENTS (TYP) PER CITY STANDARDS.
- (S20) CONTRACTOR TO EXERCISE EXTREME CAUTION AND PROTECT EXISTING WATER MAIN DURING SEWER MAIN CONSTRUCTION.
- (W1) INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- (W2) INSTALL GATE VALVE PER CITY STD 877.
- (W3) INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- (W4) REMOVE EXISTING FIRE HYDRANT & APPURTENANCES & SALVAGE FIRE HYDRANT TO CITY. INSTALL RESIDENTIAL FIRE HYDRANT PER CITY STD. 857.
- (W5) REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- (W7) INSTALL TEMPORARY BLOW OFF PER CITY STD 859 AND SPECIFICATIONS.
- (W8) REMOVE EXISTING ELBOW AND CONNECT TO EXISTING 8" MAIN AS A SINGLE OPERATION UNDER CITY INSPECTION.
- (W15) JACK AND BORE WATER MAIN CROSSING UNDER CREEK CULVERT. INSTALL WATER MAIN ENCASEMENT PER CITY STD 872.
- (W19) INSTALL 1"-1/2" DUAL WATER SERVICE PER CITY STD 864. CONNECT TO EXISTING WATER SERVICES.

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SLATER STREET PLAN & PROFILE STA 14+25 TO STA 18+75

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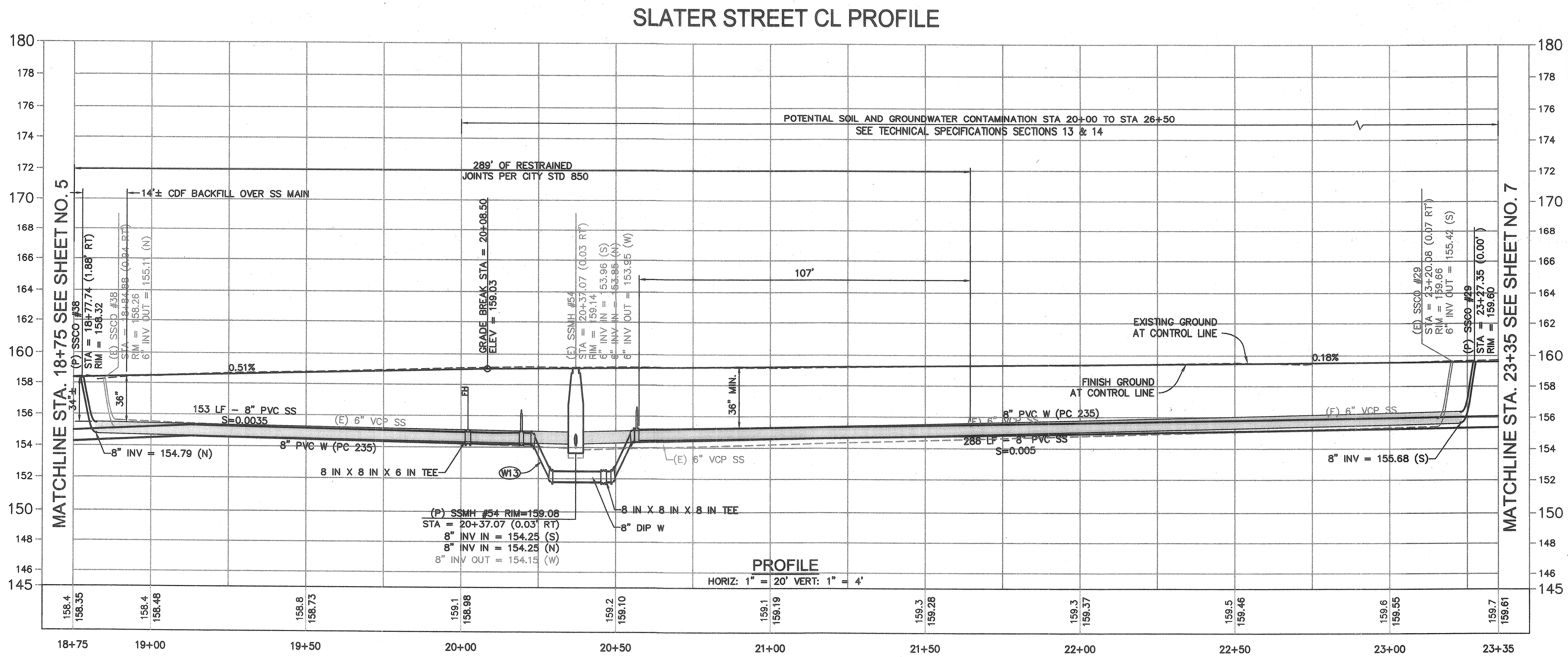
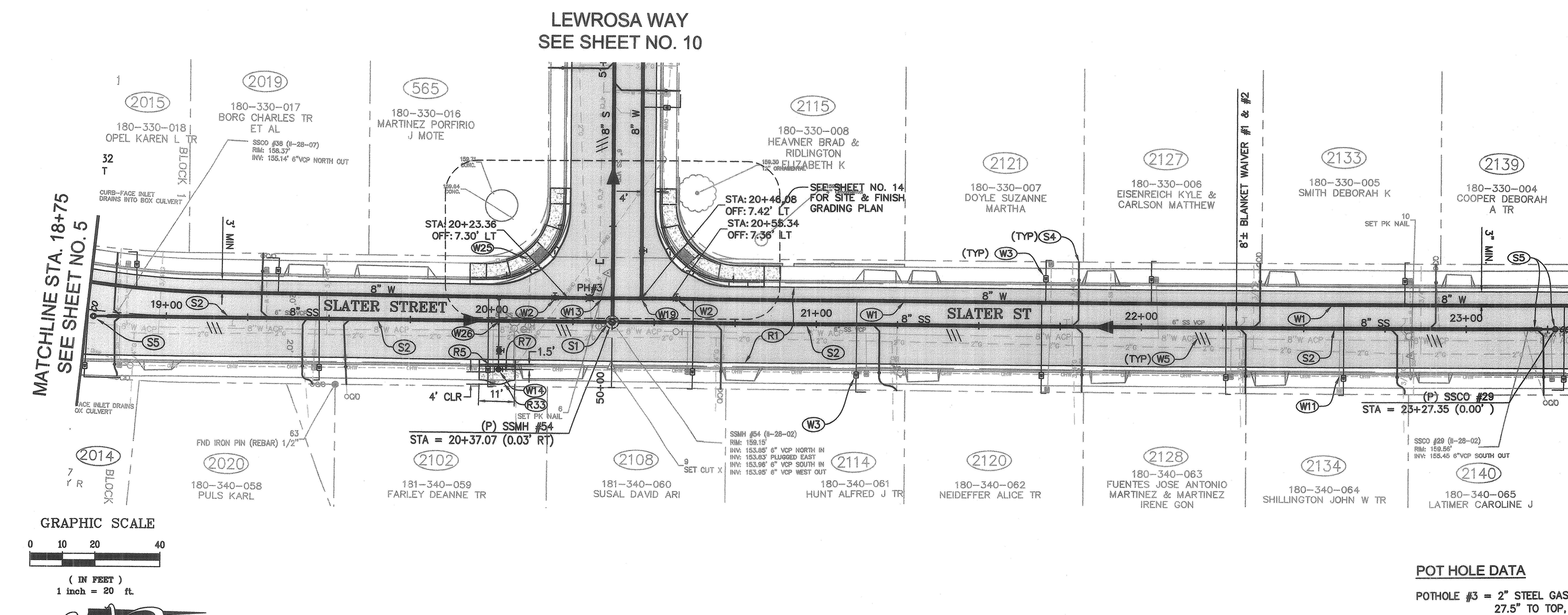
SLATER STREET CL PROFILE



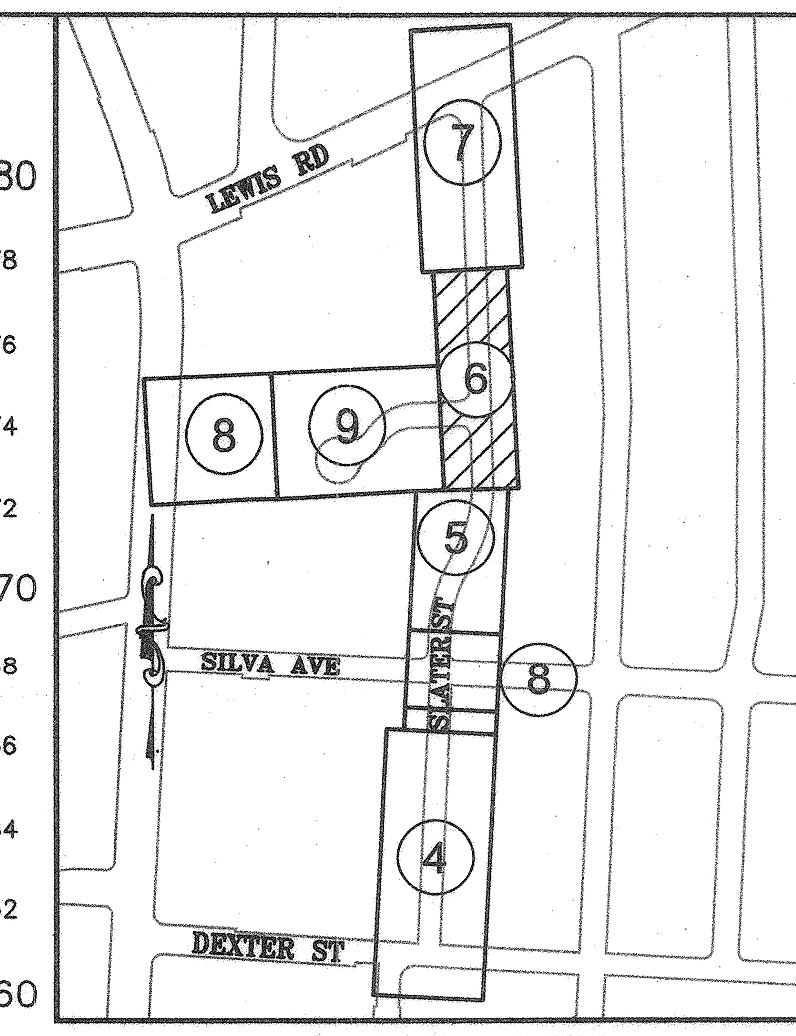


CONSTRUCTION NOTES:

- R1 RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- R5 REMOVE AND REPLACE CURB & GUTTER PER CITY STD 241.
- R7 REMOVE & REPLACE SIDEWALK PER CITY STD 237.
- R33 PROVIDE SIDEWALK OBSTRUCTION TRANSITION SIMILAR TO CITY STD 231, WITH 5' RADIUS CURVES.
- S1 REMOVE EXISTING MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- S2 REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- S4 REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- S5 REMOVE EXISTING CLEANOUT & INSTALL SANITARY SEWER MAIN LINE CLEANOUT WHERE SHOWN PER CITY STD 505.
- W1 INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- W2 INSTALL GATE VALVE PER CITY STD 877.
- W3 INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- W5 REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- W11 APPROXIMATE LOCATION OF EXISTING WATER SERVICE. CONTRACTOR TO FIELD VERIFY.
- W13 INSTALL WATER MAIN LOWERING PER CITY BLANKET WAIVER #2, 3 & 6.
- W14 INSTALL RESIDENTIAL FIRE HYDRANT PER CITY STD. 857.
- W19 INSTALL THRUST BLOCK PER CITY STD 850.
- W25 REMOVE EXISTING FIRE HYDRANT & APPURTENANCES & SALVAGE FIRE HYDRANT TO CITY.
- W26 HALF FIRE HYDRANT LATERAL LOWERING BELOW NEW SANITARY SEWER PER CITY BLANKET WAIVER 6 AND PER DETAIL 9/25

POT HOLE DATA

POTHOLE #3 = 2" STEEL GAS PIPE 27.5" TO TOP, 20' FROM FC



SHEET INDEX
NOT TO SCALE

HEIDI E. UTTERBACK No. 53723 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

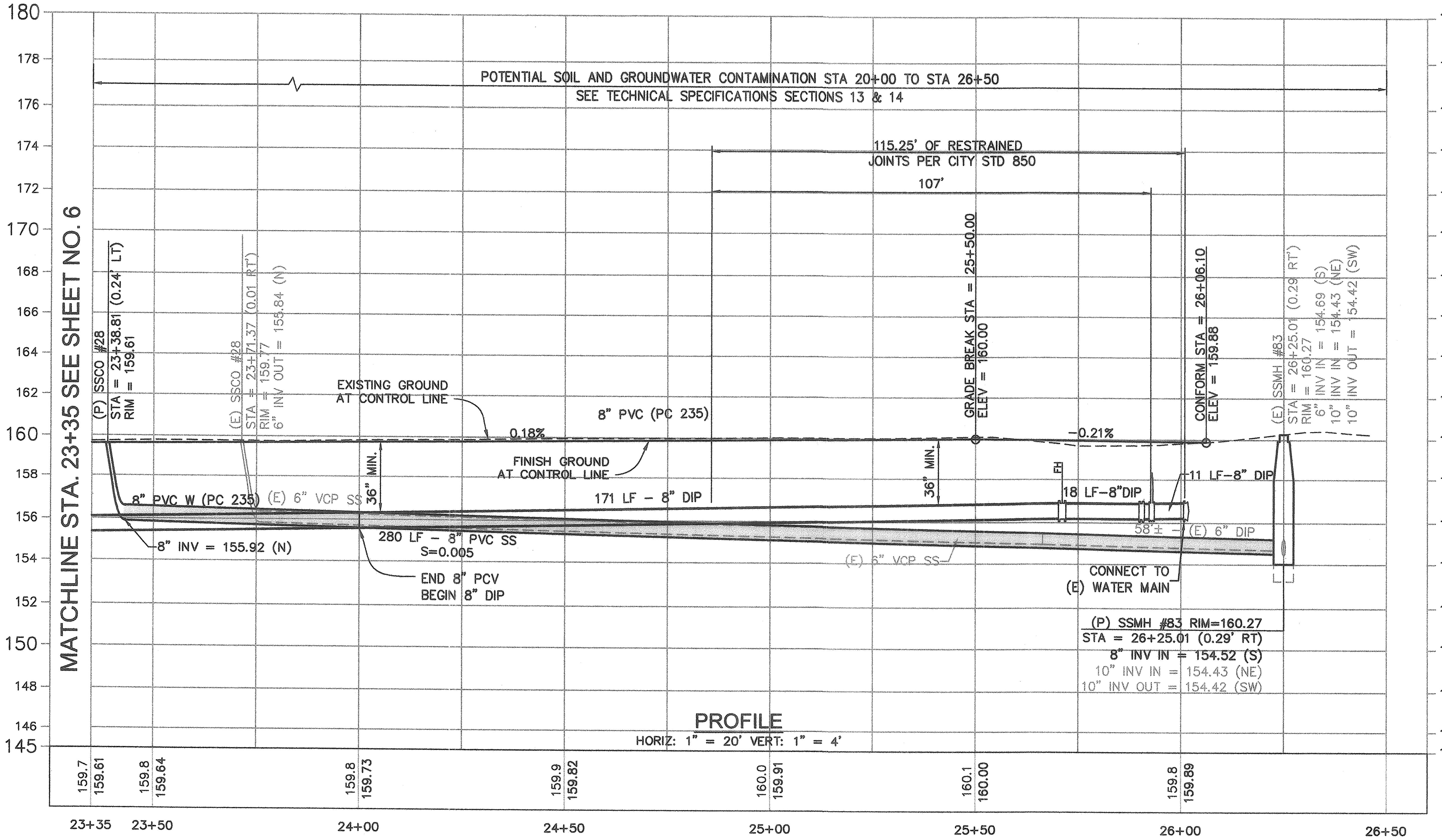
SLATER STREET PLAN & PROFILE STA 18+75 TO STA 23+35

CONTRACT NO. C00189

SHEET 6 OF 25

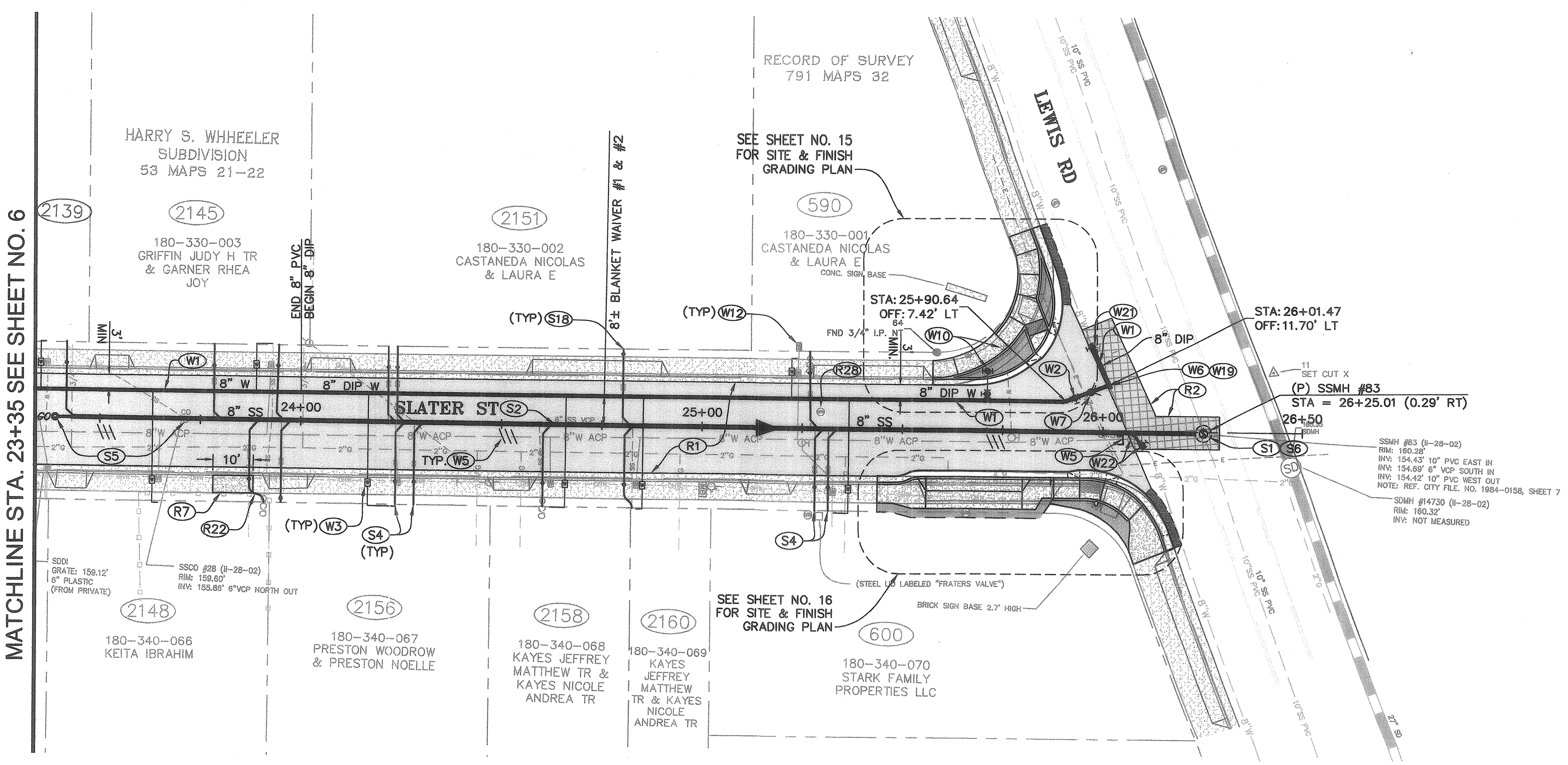
FILE NO. 2021–0011

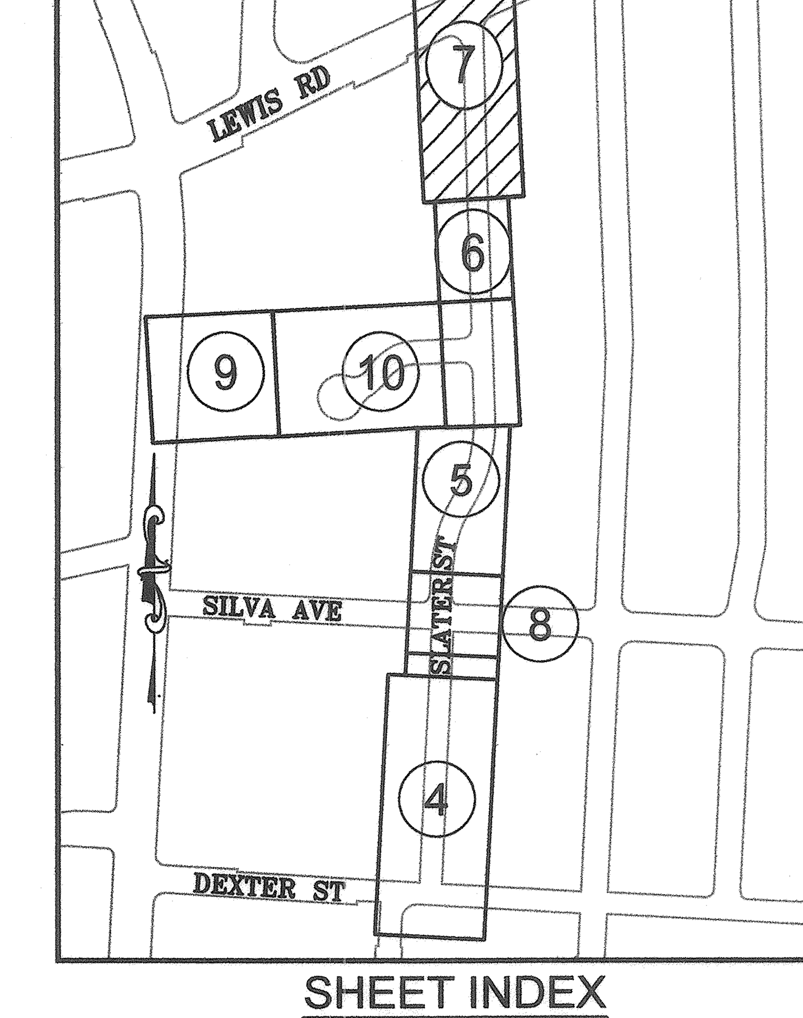
SLATER STREET CL PROFILE



PROFILE

HORIZ: 1" = 20' VERT: 1" = 4'

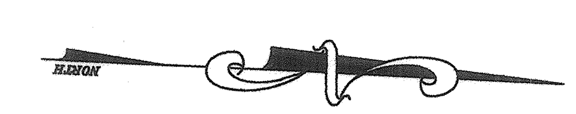




SHEET INDEX
NOT TO SCALE

CONSTRUCTION NOTES:

- (R1) RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- (R2) PLACE PERMANENT TRENCH PAVING PER CITY STD 215.
- (R7) REMOVE & REPLACE SIDEWALK PER CITY STD 237.
- (R22) REMOVE & REPLACE FENCE AS REQUIRED FOR SEWER LATERAL INSTALLATION.
- (R28) ADJUST MONITORING WELL TO FINISH GRADE PER DETAIL 8/25
- (S1) REMOVE EXISTING MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- (S2) REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- (S4) REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- (S5) REMOVE EXISTING CLEANOUT & INSTALL SANITARY SEWER MAIN LINE CLEANOUT WHERE SHOWN PER CITY STD 505.
- (S6) CONNECT EXISTING MAIN TO NEW SSMH PER CITY STANDARDS.
- (S18) PER 130-1.06 VERIFY LATERAL IS ACTIVE BEFORE INSTALLING NEW LATERAL.
- (W1) INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- (W2) INSTALL GATE VALVE PER CITY STD 877.
- (W3) INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- (W5) REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- (W6) TIE-IN TO EXISTING WATER MAIN. INSTALL 8"x 8" TEE AND FITTINGS, UNDER AUTHORIZED CITY INSPECTION.
- (W7) INSTALL TEMPORARY BLOW OFF PER CITY STD 859 AND SPECIFICATIONS.
- (W10) REMOVE EXISTING FIRE HYDRANT & APPURTENANCES & SALVAGE FIRE HYDRANT TO CITY. INSTALL COMMERCIAL FIRE HYDRANT PER CITY STD. 857.
- (W12) RECERTIFY BACKFLOW DEVICE AFTER NEW WATER METER INSTALLED PER CITY STANDARDS.
- (W19) INSTALL THRUST BLOCK PER CITY STD 850.
- (W21) REMOVE & REPLACE (E) GATE VALVE PER CITY STD 877. TIE INTO EXISTING MAIN UNDER AUTHORIZED CITY INSPECTION.
- (W22) REMOVE EXISTING TEE AND VALVE AND REPLACE WITH PIPE, 8" VALVE AND CONNECT TO NEW TEE UNDER AUTHORIZED CITY INSPECTION.



GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

HEIDI E. UTTERBACK No. 53723 CIVIL
REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SLATER STREET
PLAN & PROFILE
STA 23+35 TO STA 26+50

CONTRACT NO. C00189

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-RAMP.dwg
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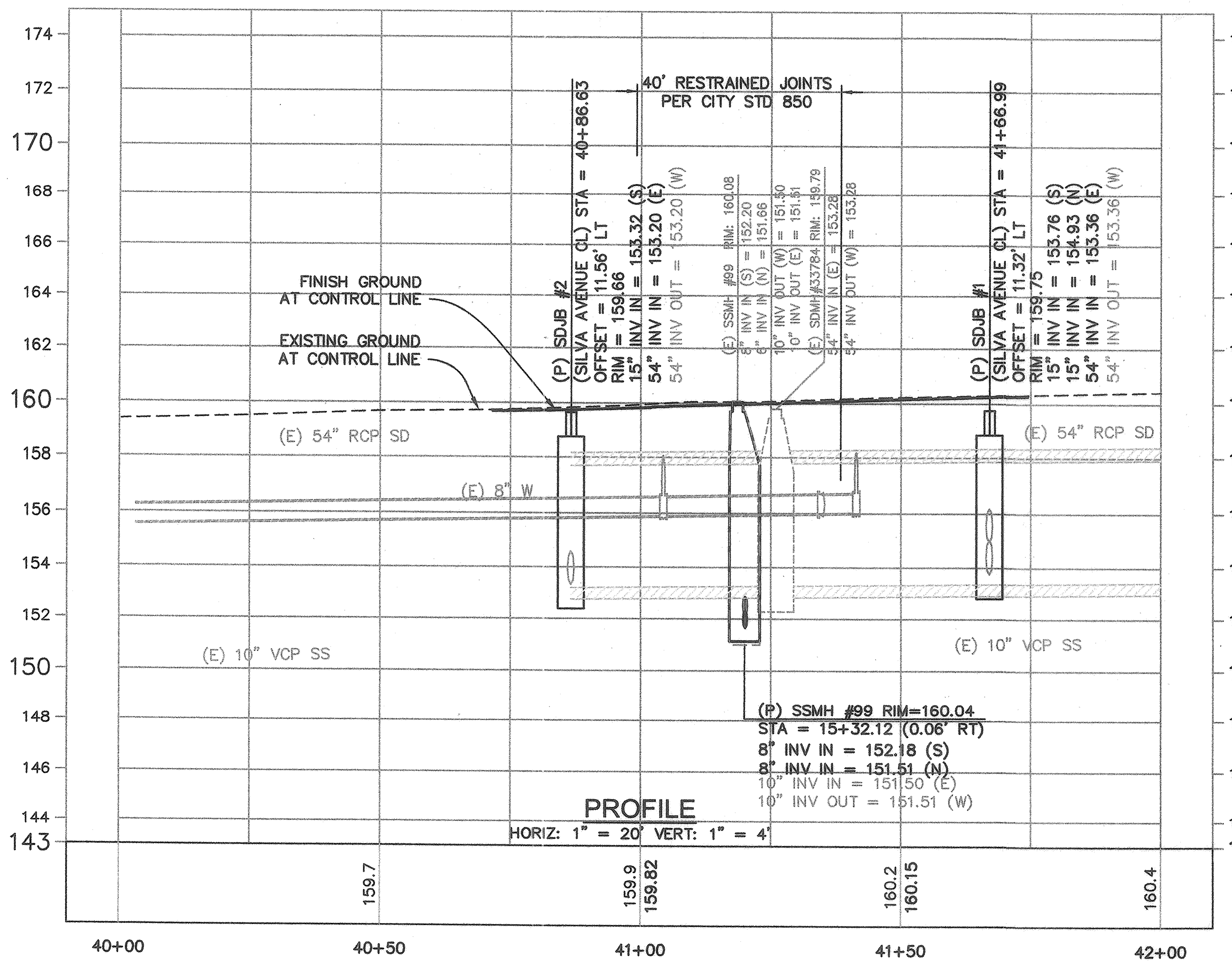
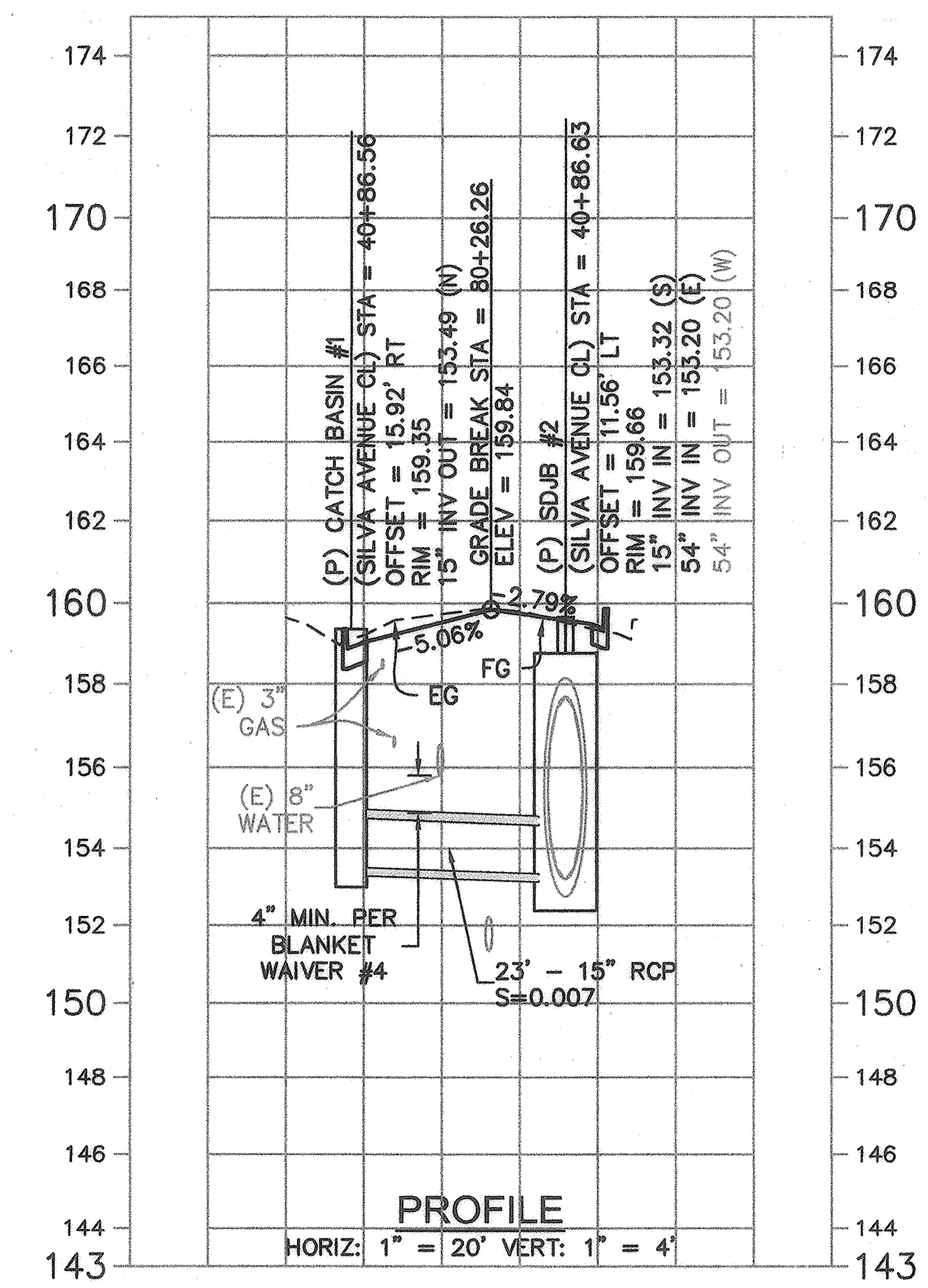
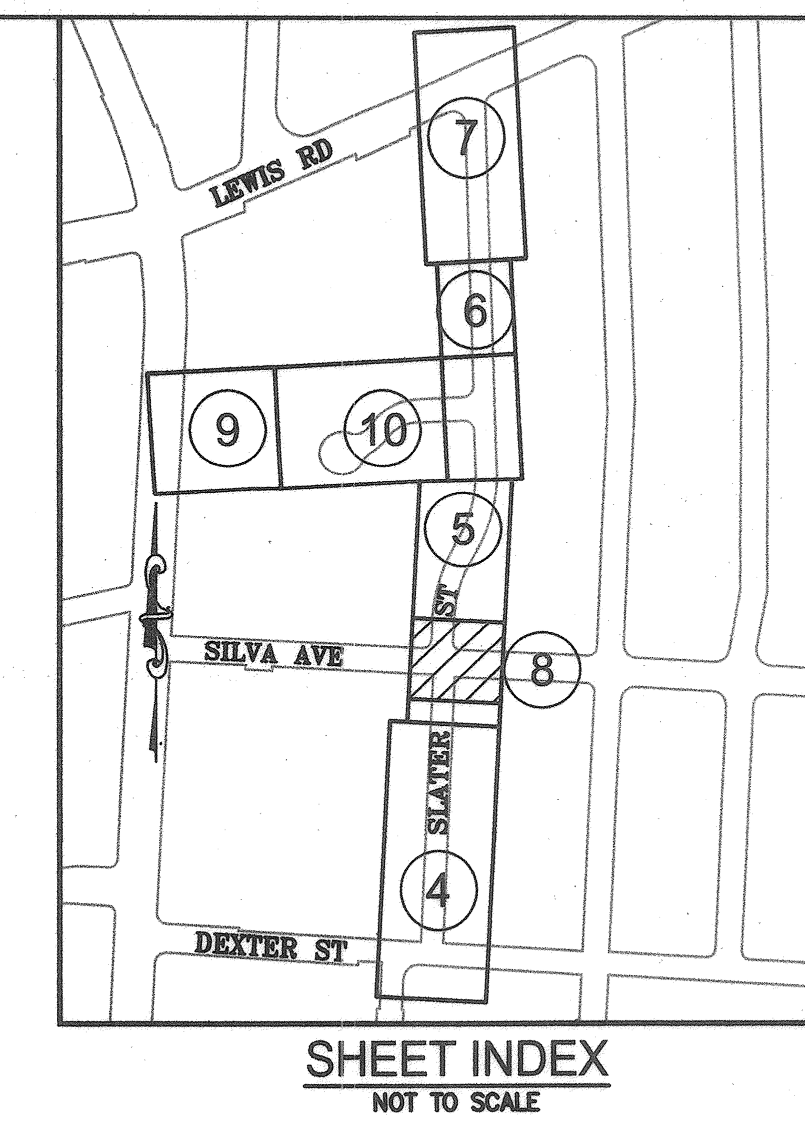
SILVA AVENUE CL Profile



SD PIPE – CB#1 TO SDJB#2 PROFILE

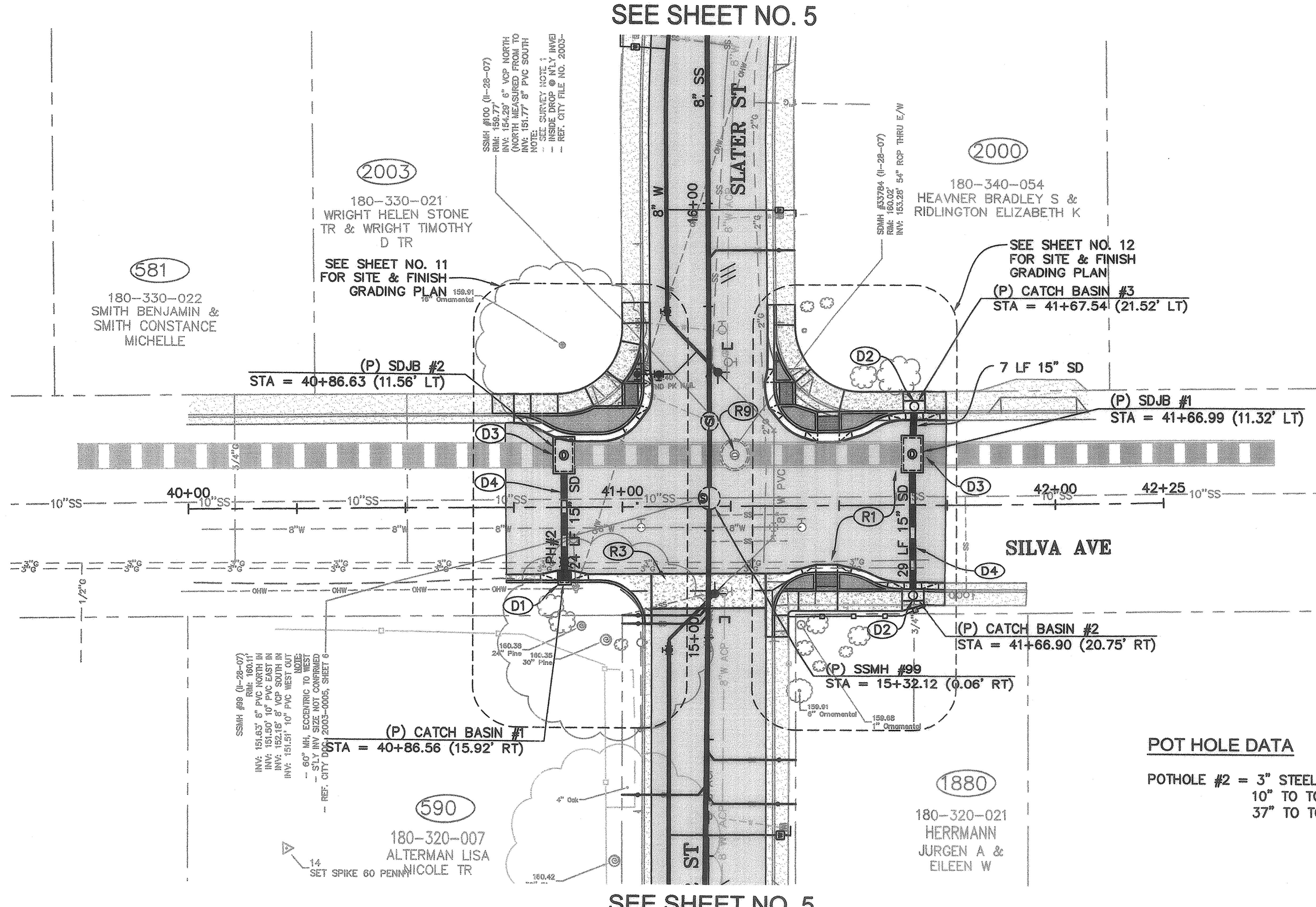




CONSTRUCTION NOTES:

- D1 INSTALL TYPE I CATCH BASIN PER CITY STD DETAIL 403.
- D2 INSTALL TYPE II CATCH BASIN PER CITY STD DETAIL 402.
- D3 INSTALL JUNCTION STRUCTURE PER DETAIL 7/25
- D4 INSTALL 15" RCP STORM DRAIN LINE PER CITY STDS.
- R1 RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- R3 REMOVE & REPLACE VALLEY GUTTER PER CITY STD 243.
- R9 ADJUST STORM DRAIN MANHOLE TO FINISH GRADE.

SEE SHEET NO. 5

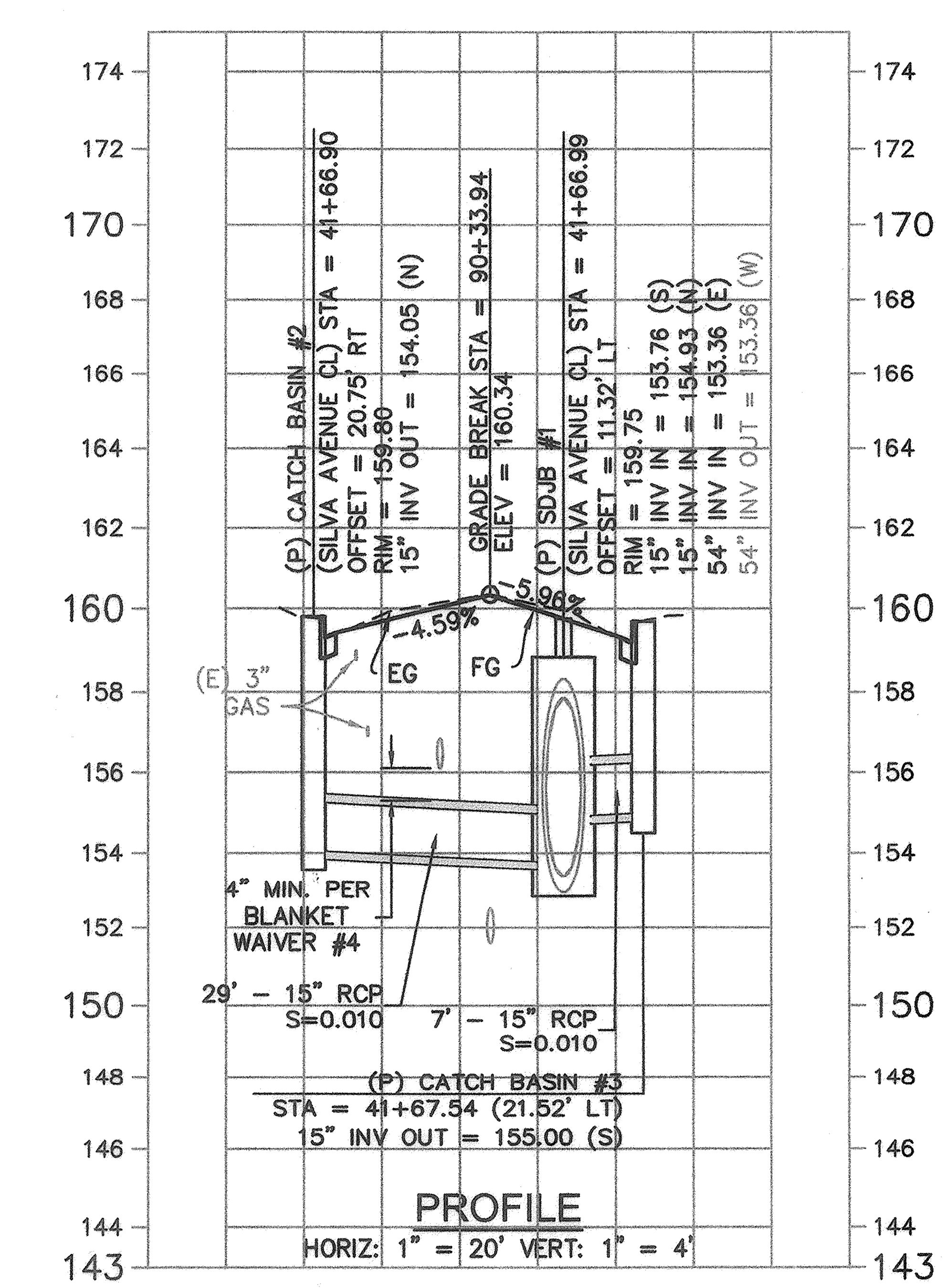


SEE SHEET NO. 5

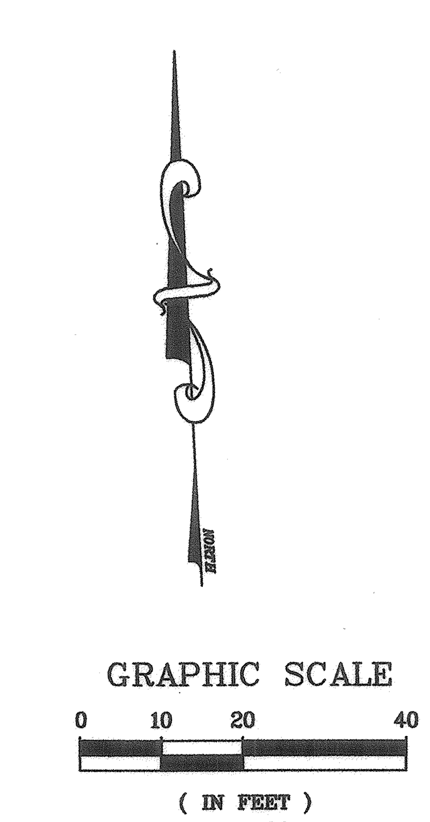
POT HOLE DATA

POTHOLE #2 = 3" STEEL GAS PIPE
10" TO TOP, 5.5' FROM EDGE
37" TO TOP, 7' FROM EDGE

SD PIPE – CB#2 & CB#3 TO SDJB #1 PROFILE



SLATER ST.



City of Santa Rosa

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Santa Rosa, CA 95405
707-571-8005

HEIDI E. UTTERBACK No. 53723 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

DWN BY: WJK / PCC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SILVA AVENUE PLAN & PROFILE STA 40+00 TO STA 42+00

CONTRACT NO. C00189

SHEET 8 OF 25

FILE NO. 2021-0011

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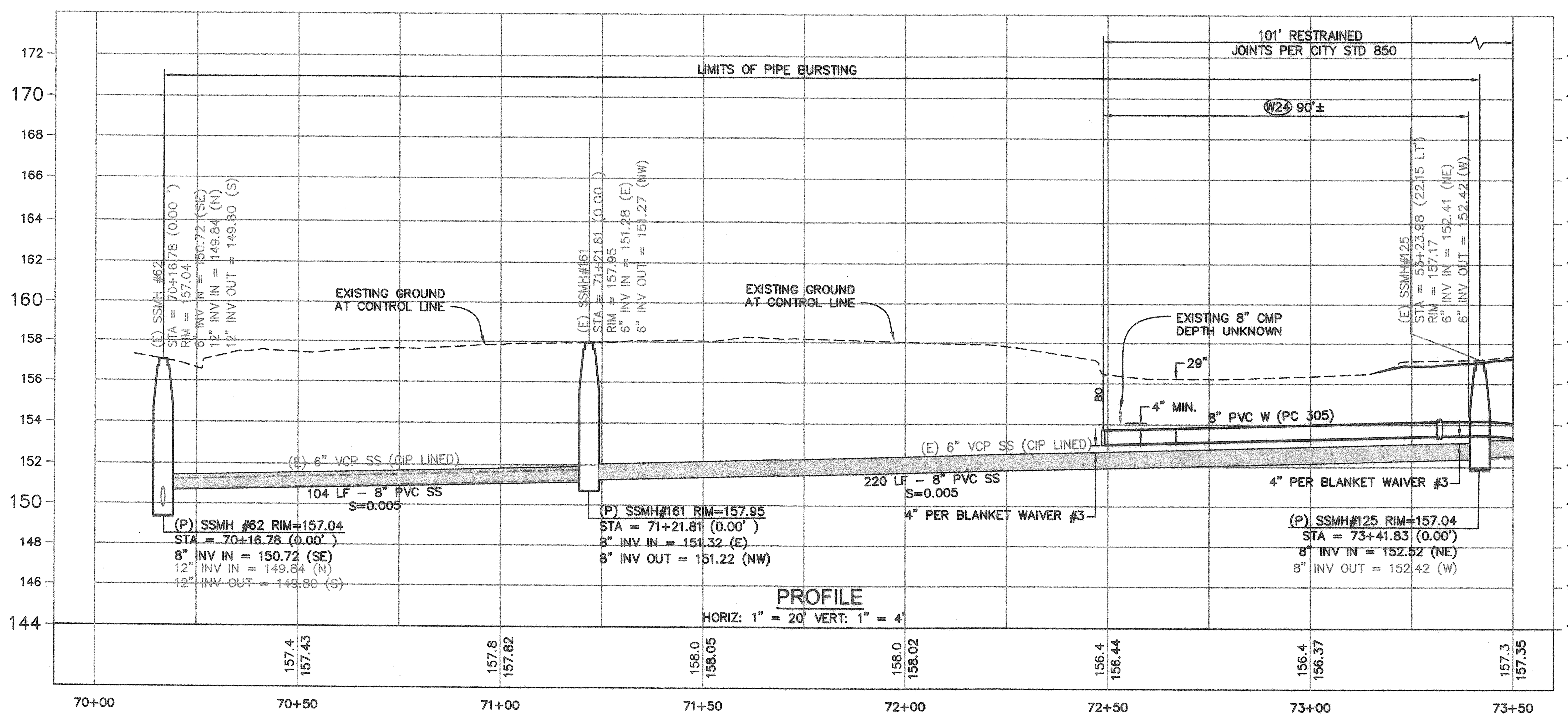
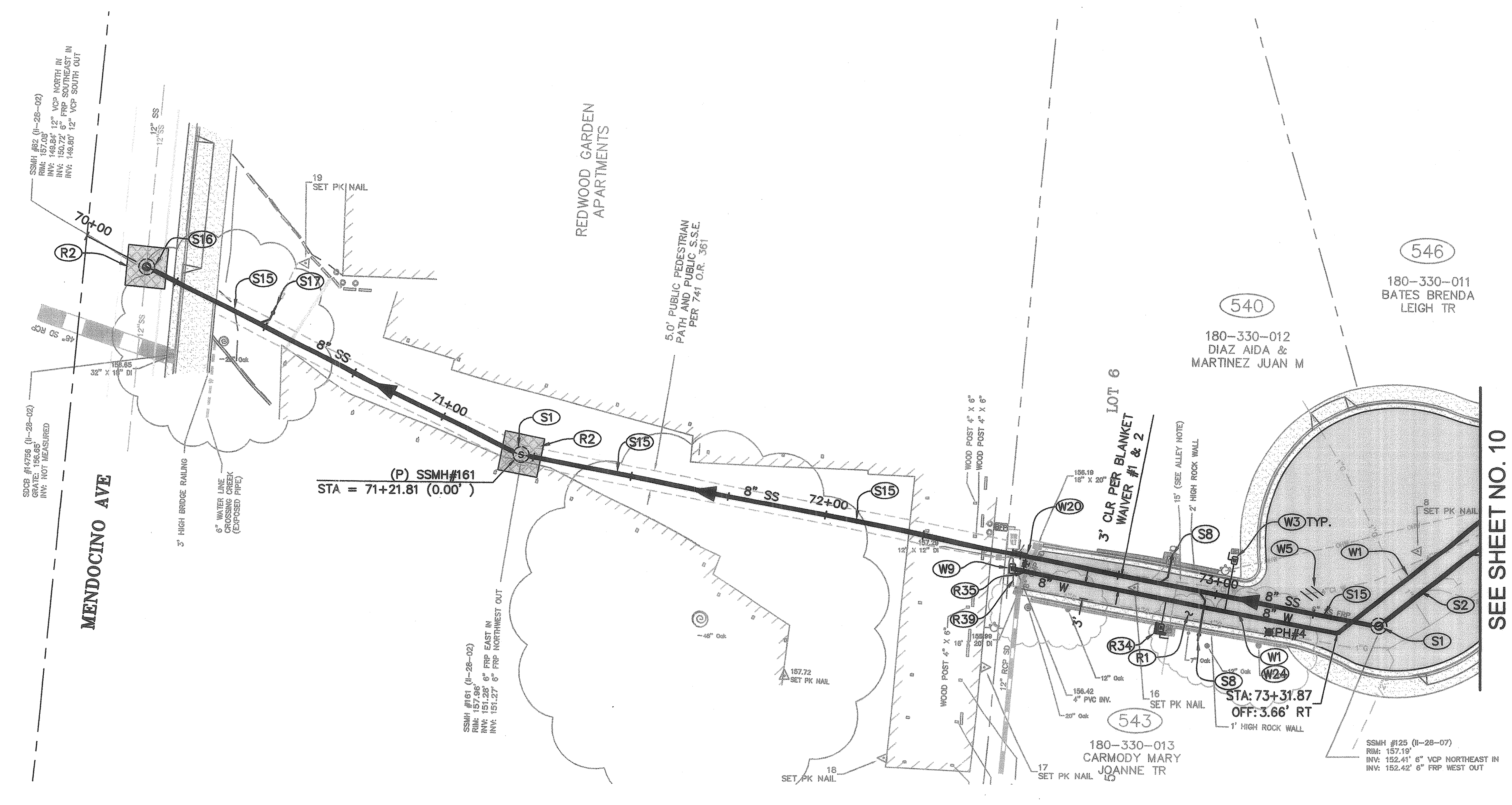
EASEMENT SSWR PROFILE





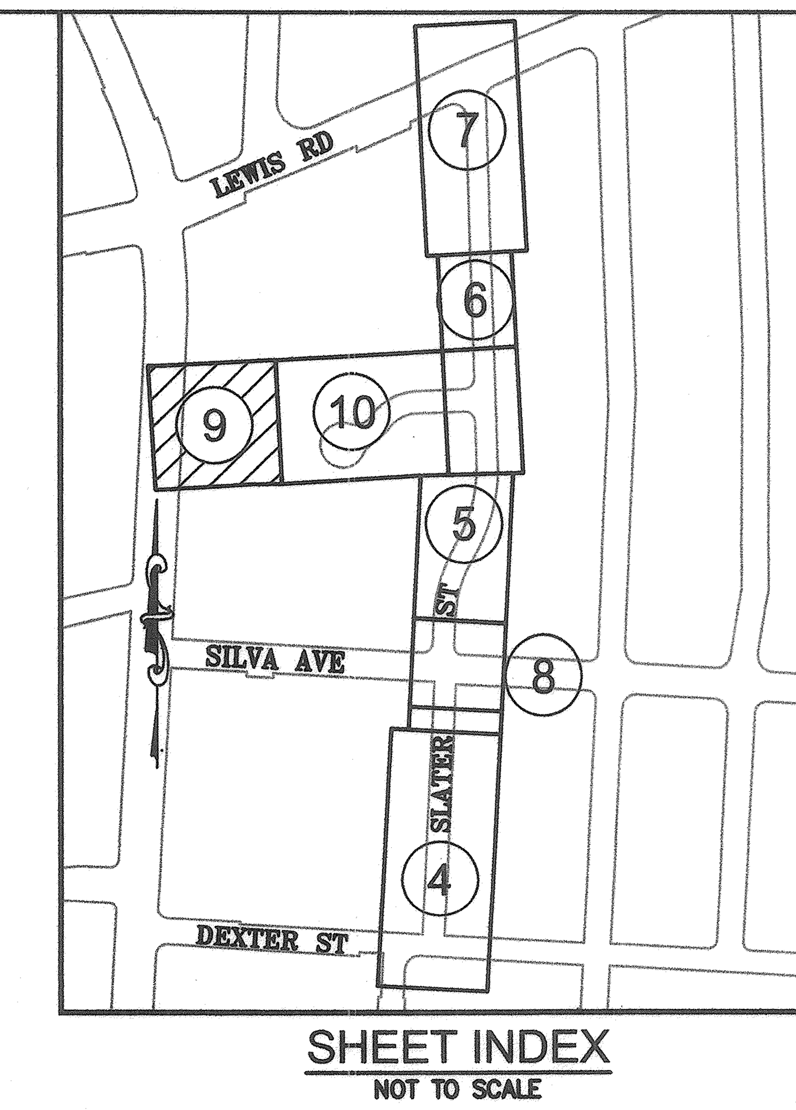
CONSTRUCTION NOTES:

- R1 RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- R2 PLACE PERMANENT TRENCH PAVING PER CITY STD 215.
- R34 REMOVE & REPLACE EXISTING ROCK WALL AS REQUIRED FOR NEW WATER SERVICE AND METER.
- R35 CONTRACTOR TO POTHOLE AND VERIFY STORM DRAIN DEPTH PRIOR TO WATER MAIN CONSTRUCTION.
- R39 REMOVE AND REALIGN AC BERM AS REQUIRED FOR BLOW-OFF BOX INSTALLATION.
- S1 REMOVE EXISTING MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- S2 REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- S4 REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- S8 REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO WALL AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- S15 REPLACE EXISTING SEWER MAIN WITH 8" SANITARY SEWER MAIN VIA PIPE BURSTING.
- S16 MODIFY EXISTING SANITARY SEWER MANHOLE TO ACCOMMODATE 8" SANITARY SEWER CONNECTION. REFORM EXISTING CHANNEL. GROUT SOLID AND SEAL PER CITY STD SPECIFICATIONS.
- S17 REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- W1 INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- W3 INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- W5 REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- W9 INSTALL PERMANENT BLOW-OFF PER CITY STD 861.
- W20 INSTALL 2" WATER SERVICE AND 2" GATE VALVE PER CITY STD 865-A. CONNECT TO EXISTING WATER METER.
- W24 INSTALL CDF BACKFILL PER SPECIFICATIONS.

POT HOLE DATA

POTHOLE #4 = 1" STEEL GAS PIPE
11" TO TOP, 2' FROM FC

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.



SHEET INDEX
NOT TO SCALE

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

HEIDI E. UTTERBACK No. 53723 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

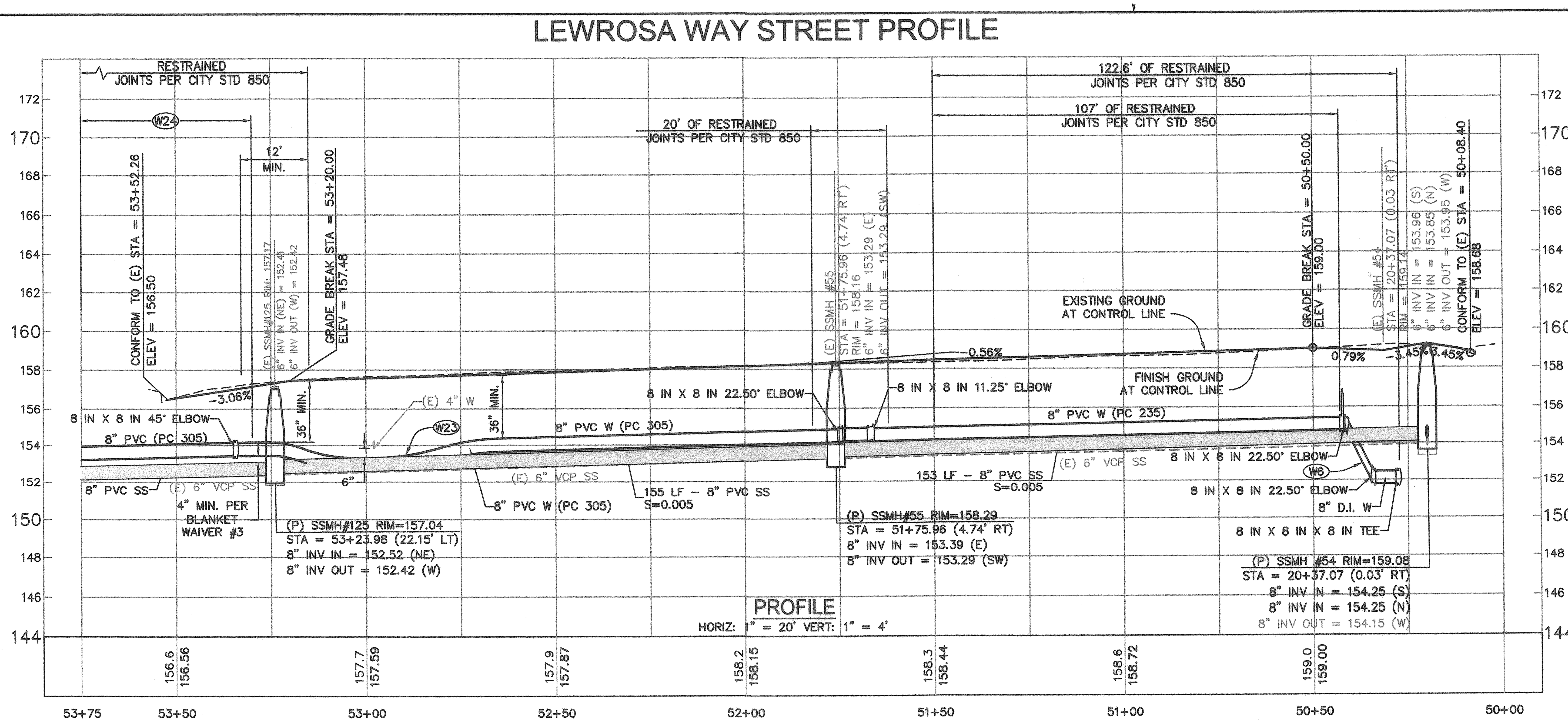
DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

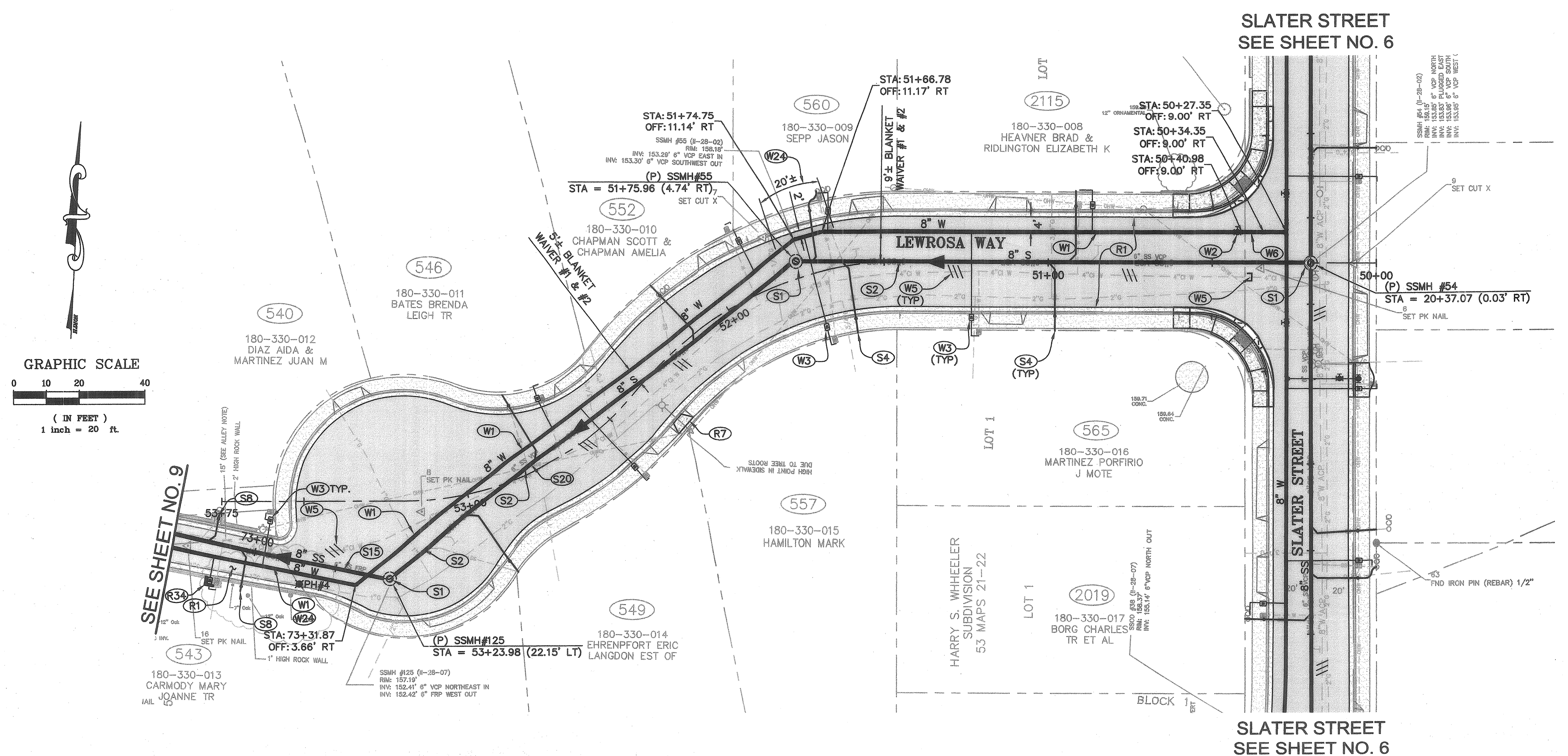
SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

MENDOCINO AVE & EASEMENT PLAN & PROFILE STA 70+00 TO STA 73+42

CONTRACT NO. C00189

FILE NO. 2021-0011



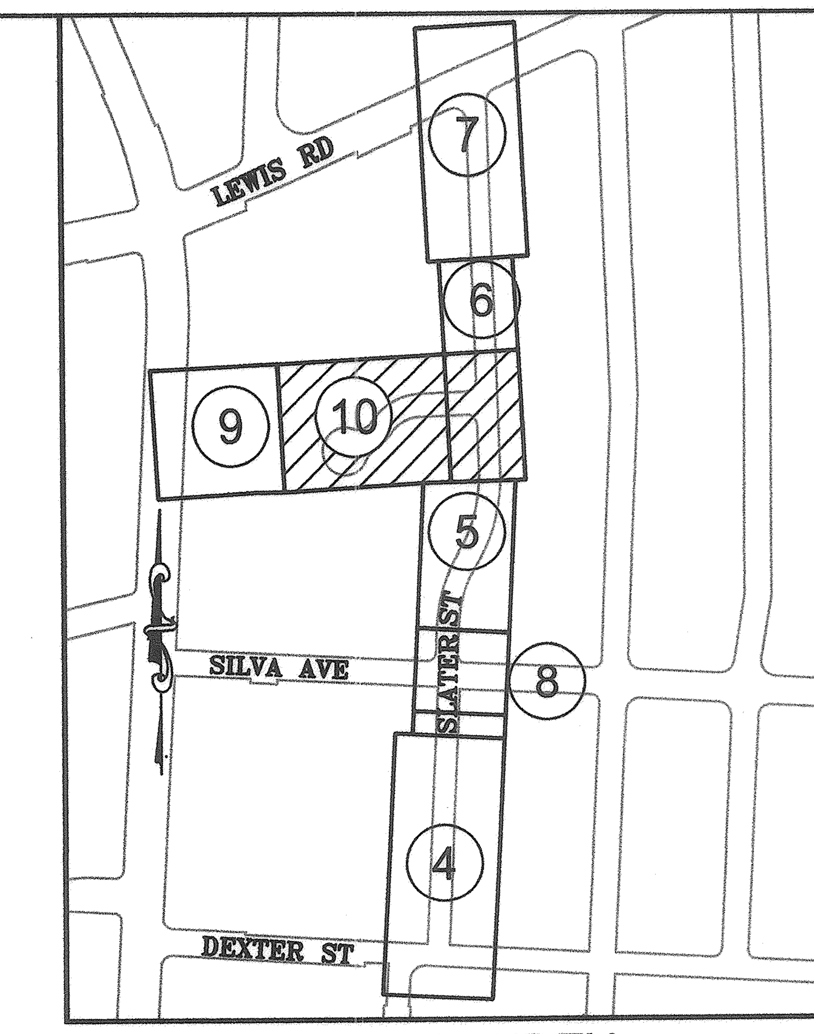


CONSTRUCTION NOTES:

- (R1) RECONSTRUCT PAVEMENT PER TYPICAL SECTION DETAIL 1/25
- (S1) REMOVE EXISTING MANHOLE AND INSTALL 48" SANITARY SEWER MANHOLE PER CITY STD 500.
- (S2) REMOVE EXISTING SANITARY SEWER MAIN AND INSTALL 8" SANITARY SEWER MAIN.
- (S4) REMOVE EXISTING SANITARY SEWER LATERAL FROM SEWER MAIN TO BACK OF SIDEWALK AND INSTALL 4" SANITARY SEWER LATERAL PER CITY STD 513A.
- (S15) REPLACE EXISTING SEWER MAIN WITH 8" SANITARY SEWER MAIN VIA PIPE BURSTING.
- (S20) CONTRACTOR TO EXERCISE EXTREME CAUTION AND PROTECT EXISTING WATER MAIN DURING SEWER MAIN CONSTRUCTION.
- (W1) INSTALL 8" WATER MAIN, PIPE CLASS AS SHOWN.
- (W2) INSTALL GATE VALVE PER CITY STD 877.
- (W3) INSTALL 1" WATER SERVICE PLUMBED FOR 5/8"x 3/4" METER PER CITY STD. 863A. CONNECT TO EXISTING WATER SERVICE.
- (W5) REMOVE OR ABANDON EXISTING WATER SYSTEM COMPONENTS (TYP) PER CITY WATER DISTRIBUTION STANDARD SPECIFICATIONS.
- (W6) INSTALL HALF WM LOWERING PER CITY STANDARDS.
- (W23) ROPE NEW WATER MAIN PER CITY STDS AS NEEDED UNDER EXISTING WATER MAIN AS REQUIRED. INSTALLATION SHALL NOT EXCEED MANUFACTURERS MAXIMUM DEFLECTION.
- (W24) INSTALL CDF BACKFILL PER SPECIFICATIONS.

POT HOLE DATA

POTHOLE #4 = 1" STEEL GAS PIPE
11" TO TOP, 2' FROM FC



SHEET INDEX
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY SEWER & WATER MAIN REPLACEMENT PROJECT

LEWROSA WAY PLAN & PROFILE STA 50+50 TO 53+75

CONTRACT NO. C00189

FILE NO. 2021-0011

Images: 2018_Merged_Aerial.tif;L_208.tif;L_218.tif;2018_Merged_Aerial.tif;
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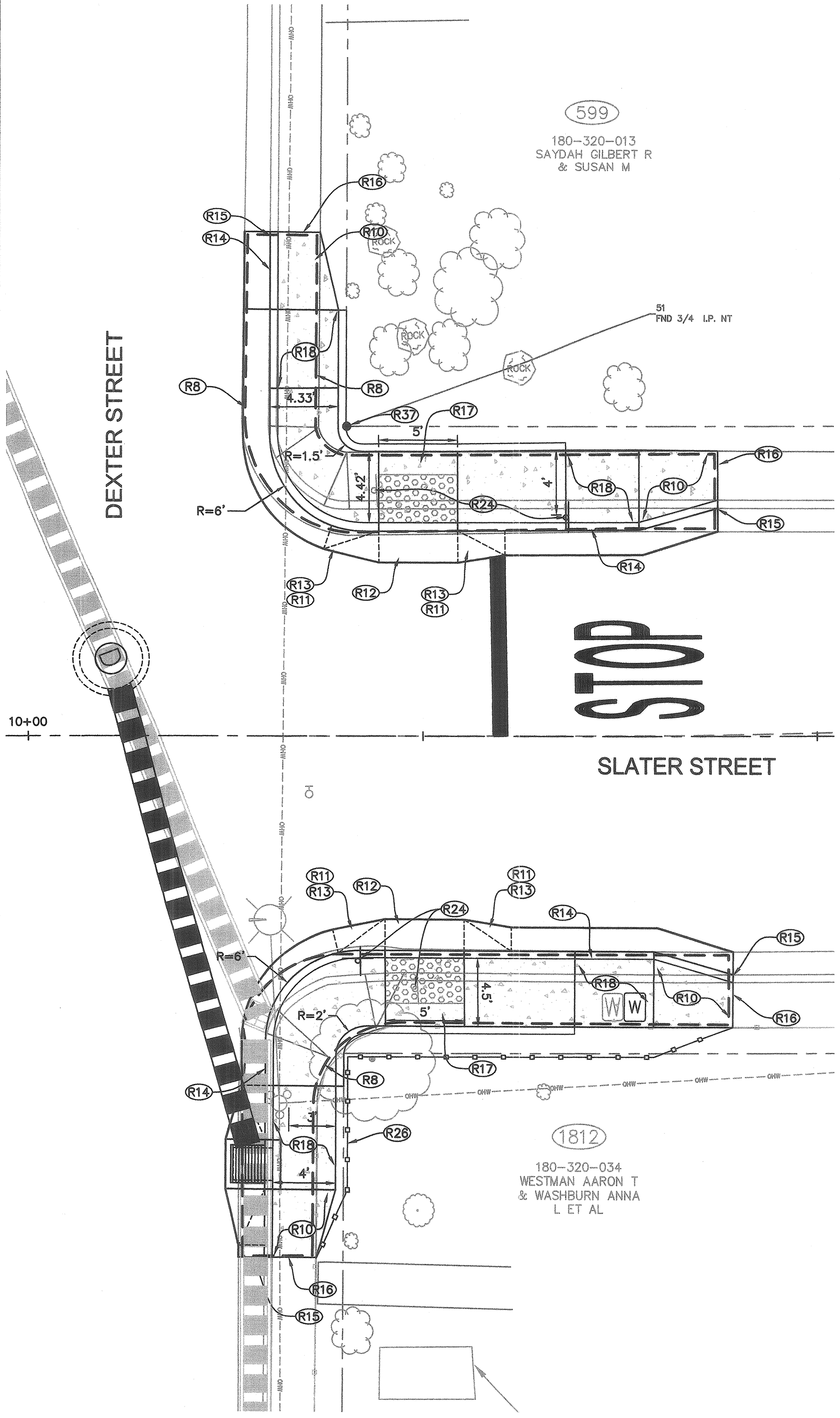
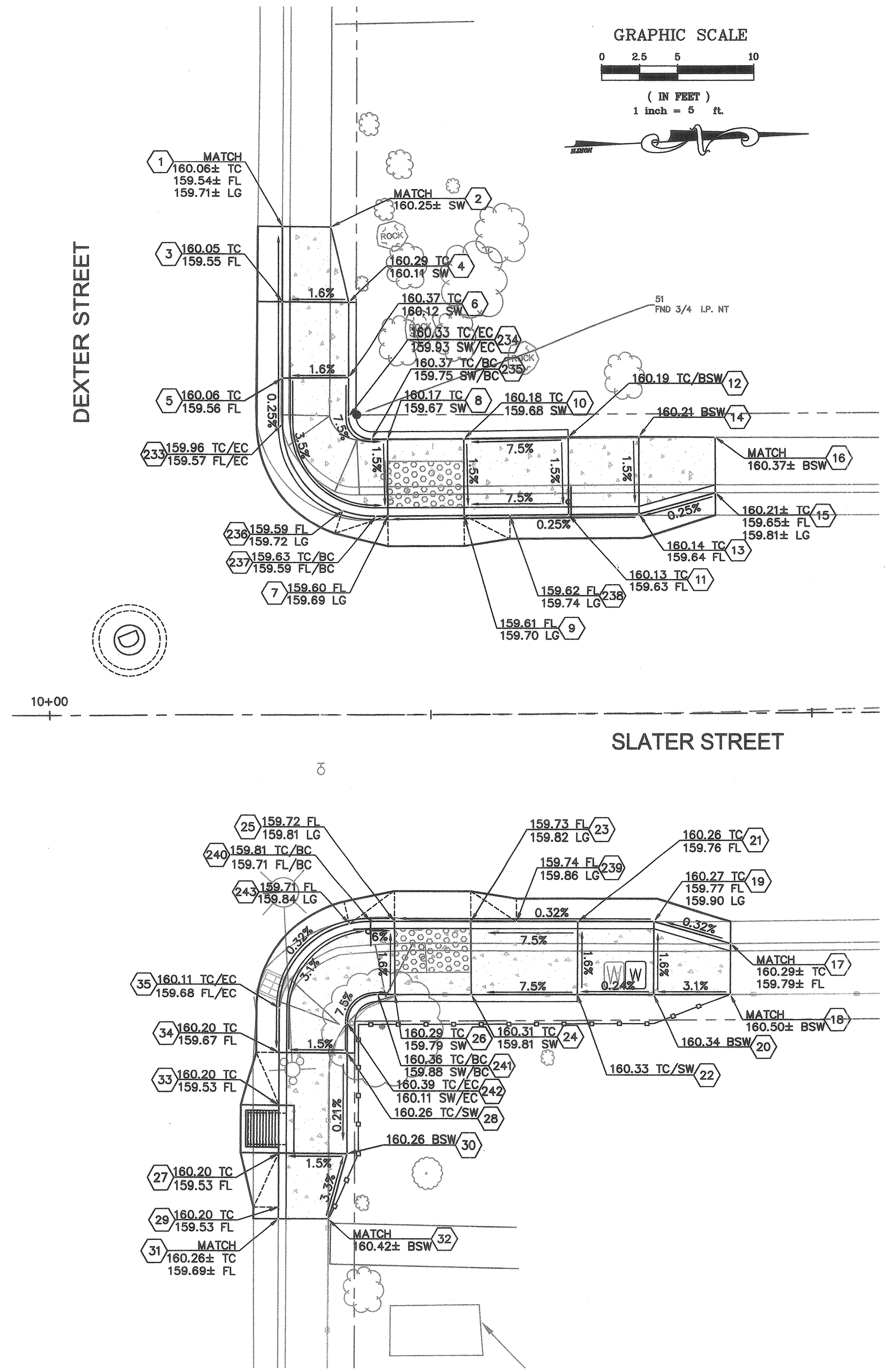
NOTE:
SEE SHEET 4 FOR STORM DRAIN NOTES.
SEE SHEETS 23 & 24 FOR STRIPING



SITE PLAN



FINISH GRADING PLAN

CONSTRUCTION NOTES:

- (R8) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R10) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- (R11) INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- (R12) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R13) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R14) CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- (R15) CONFORM TO EXISTING CURB AND GUTTER.
- (R16) CONFORM TO EXISTING CONCRETE.
- (R17) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R18) CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- (R24) RELOCATE EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.
- (R26) REMOVE AND REPLACE FENCE IN KIND. PLACE NEW FENCE 0.5' MIN. BEHIND R/W.
- (R37) CONTRACTOR TO PROTECT EXISTING PROPERTY CORNER IN PLACE. DAMAGED PROPERTY CORNERS SHALL BE REPLACED AND RESET PER SPECIFICATIONS.

DESIGN CONTROL LINE POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
1	1929182.74	6356796.07	TC
2	1929185.90	6356796.26	BSW
3	1929182.44	6356801.06	TC
4	1929186.81	6356801.32	BSW
5	1929182.23	6356805.73	TC
6	1929186.56	6356805.92	BSW
7	1929188.66	6356815.01	FL
8	1929188.91	6356810.03	BSW
9	1929193.66	6356815.22	FL
10	1929193.90	6356810.27	BSW
11	1929200.52	6356815.52	FL
12	1929200.75	6356810.51	BSW
13	1929205.14	6356815.72	TC
14	1929205.39	6356810.73	BSW
15	1929210.21	6356814.57	TC
16	1929210.38	6356811.03	BSW
17	1929209.63	6356844.20	TC
18	1929209.42	6356847.68	BSW
19	1929204.69	6356842.43	TC
20	1929204.39	6356847.42	BSW
21	1929199.70	6356842.17	TC
22	1929199.40	6356847.16	BSW
23	1929192.69	6356841.80	FL
24	1929192.45	6356846.79	BSW
25	1929187.69	6356841.53	FL
26	1929187.45	6356846.53	BSW
27	1929179.28	6356856.43	TC
28	1929184.10	6356850.33	BSW
29	1929179.09	6356859.80	TC
30	1929183.75	6356856.69	BSW
31	1929179.04	6356860.55	TC
32	1929182.31	6356860.72	BSW
33	1929179.45	6356853.44	TC
34	1929179.65	6356850.08	TC
35	1929179.82	6356847.10	TC/EC
233	1929181.80	6356808.87	TC/EC
234	1929186.42	6356808.40	TC/EC
235	1929187.86	6356809.98	TC/BC
236	1929185.70	6356814.49	FL
237	1929187.86	6356814.97	TC/BC
238	1929196.66	6356815.35	FL
239	1929195.68	6356841.96	FL
240	1929186.13	6356841.45	TC/BC
241	1929186.31	6356846.47	SW/BC
242	1929184.21	6356848.35	SW/EC
243	1929184.73	6356841.54	FL

REGISTERED PROFESSIONAL ENGINEER
HEIDI E. UTTERBACK
No. 53723
CIVIL
STATE OF CALIFORNIA

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DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS
SLATER AT DEXTER ST (N)

CONTRACT NO.
C00189

SHEET 11 OF 25

FILE NO. 2021-0011

Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif;
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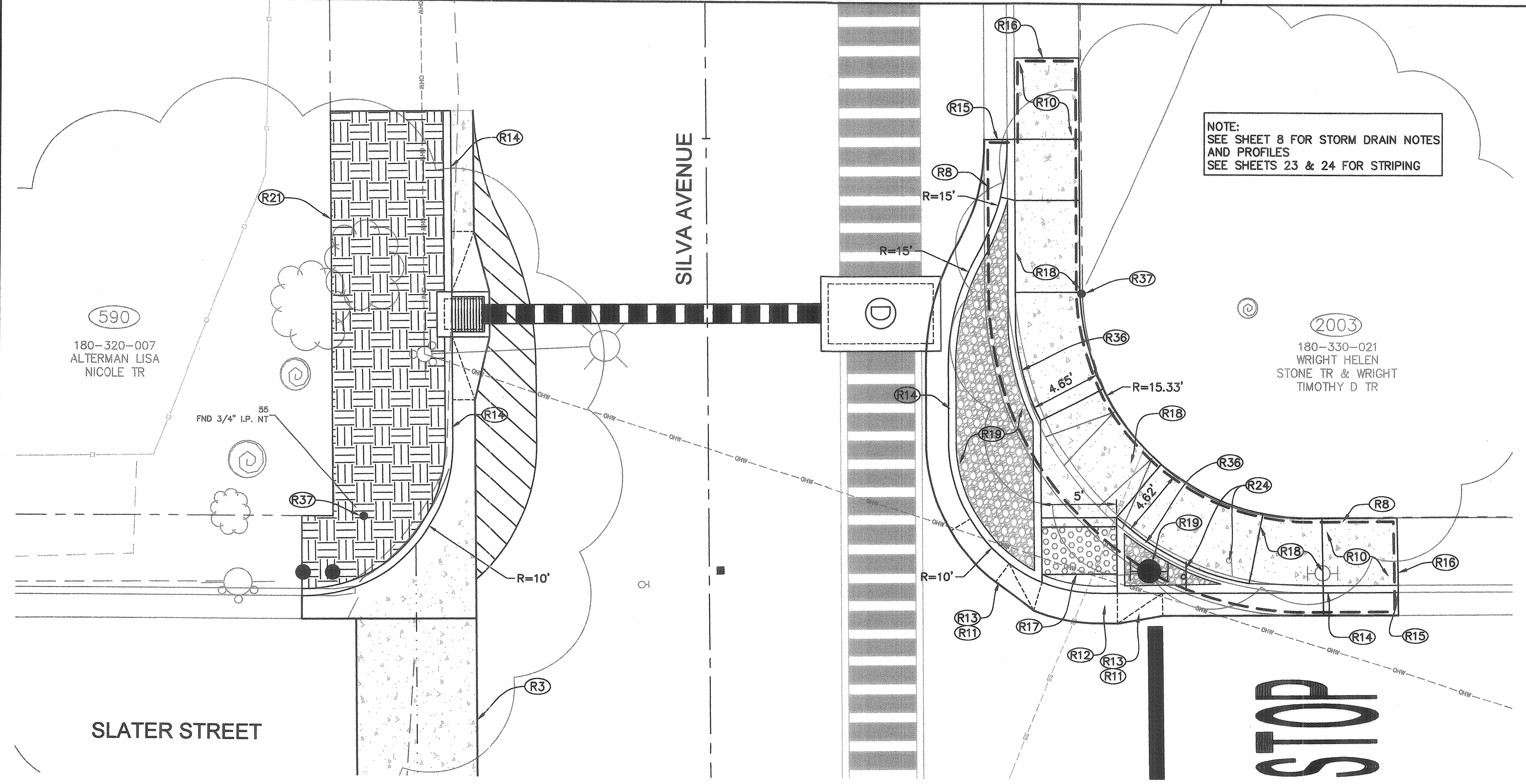
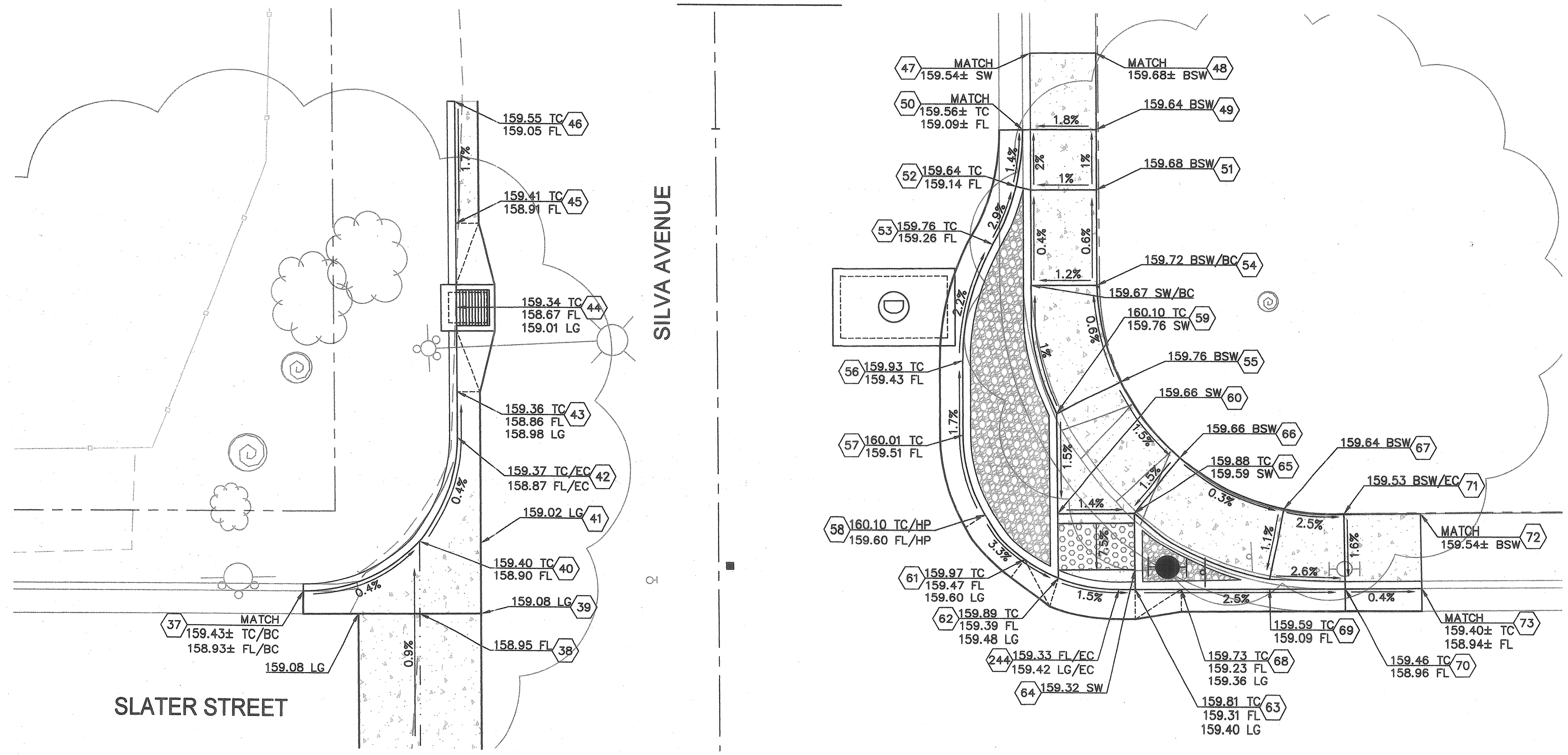
SITE PLAN



SITE PLAN

FINISH GRADING PLAN



FINISH GRADING PLAN

CONSTRUCTION NOTES:

- (R3) REMOVE & REPLACE VALLEY GUTTER PER CITY STD 243.
- (R8) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R10) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- (R11) INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- (R12) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R13) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R14) CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- (R15) CONFORM TO EXISTING CURB AND GUTTER.
- (R16) CONFORM TO EXISTING CONCRETE.
- (R17) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R18) CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- (R19) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 3/25
- (R21) PLACE NATIVE BACKFILL BEHIND NEW CURB & GUTTER.
- (R24) RELOCATE EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.
- (R36) CONSTRUCT VERTICAL CURB PER DETAIL 2/25
- (R37) CONTRACTOR TO PROTECT EXISTING PROPERTY CORNER IN PLACE. DAMAGED PROPERTY CORNERS SHALL BE REPLACED AND RESET PER SPECIFICATIONS.

DESIGN CONTROL LINE POINT TABLE

POINT NO.	NORTHING	EASTING	DESCRIPTION
37	1929668.99	6356836.95	TC/BC
38	1929676.52	6356838.77	FL
39	1929680.52	6356838.93	LG
40	1929676.72	6356833.88	FL
41	1929680.72	6356834.17	LG
42	1929679.50	6356827.37	TC/EC
43	1929679.62	6356824.38	TC
44	1929679.85	6356818.88	CATCH BASIN
45	1929680.08	6356813.39	TC
46	1929680.40	6356805.48	TC
47	1929718.08	6356804.09	SW
48	1929722.38	6356804.28	BSW
49	1929722.15	6356809.28	BSW
50	1929717.36	6356809.06	TC/BC
51	1929721.97	6356813.18	BSW
52	1929716.74	6356812.71	TC
53	1929715.03	6356816.45	TC/PRV
54	1929721.69	6356819.38	BSW/BC
55	1929722.91	6356825.70	BSW
56	1929712.70	6356823.83	TC/EC
57	1929712.49	6356828.72	TC/BC
58	1929713.66	6356833.95	TC/HP
59	1929718.66	6356827.60	SW
60	1929718.40	6356834.12	SW
61	1929716.10	6356836.93	TC
62	1929718.23	6356838.27	TC
63	1929723.19	6356839.26	TC
64	1929723.25	6356837.93	SW
65	1929723.39	6356834.32	SW
66	1929726.53	6356830.89	BSW
67	1929733.13	6356834.53	BSW
68	1929726.19	6356839.40	TC
69	1929731.95	6356839.66	TC
70	1929736.88	6356839.88	TC
71	1929737.03	6356835.03	BSW/EC
72	1929742.03	6356835.25	BSW
73	1929741.87	6356840.09	TC
244	1929722.14	6356839.21	FL/EC

GRAPHIC SCALE

0 2.5 5 10

(IN FEET)
1 inch = 5 ft.

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

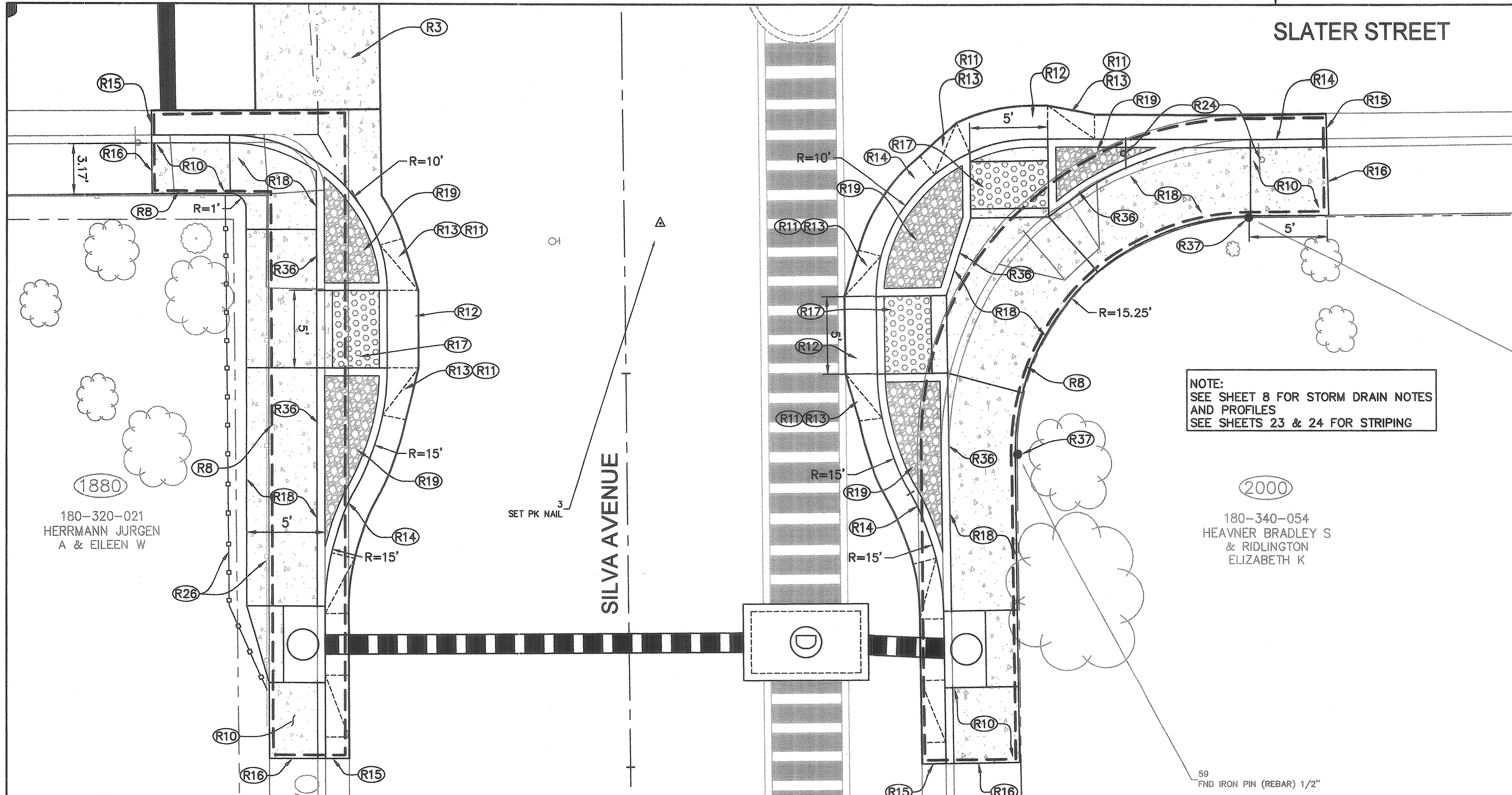
DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS
SLATER AT SILVA AVE (W)

CONTRACT NO.
C00189

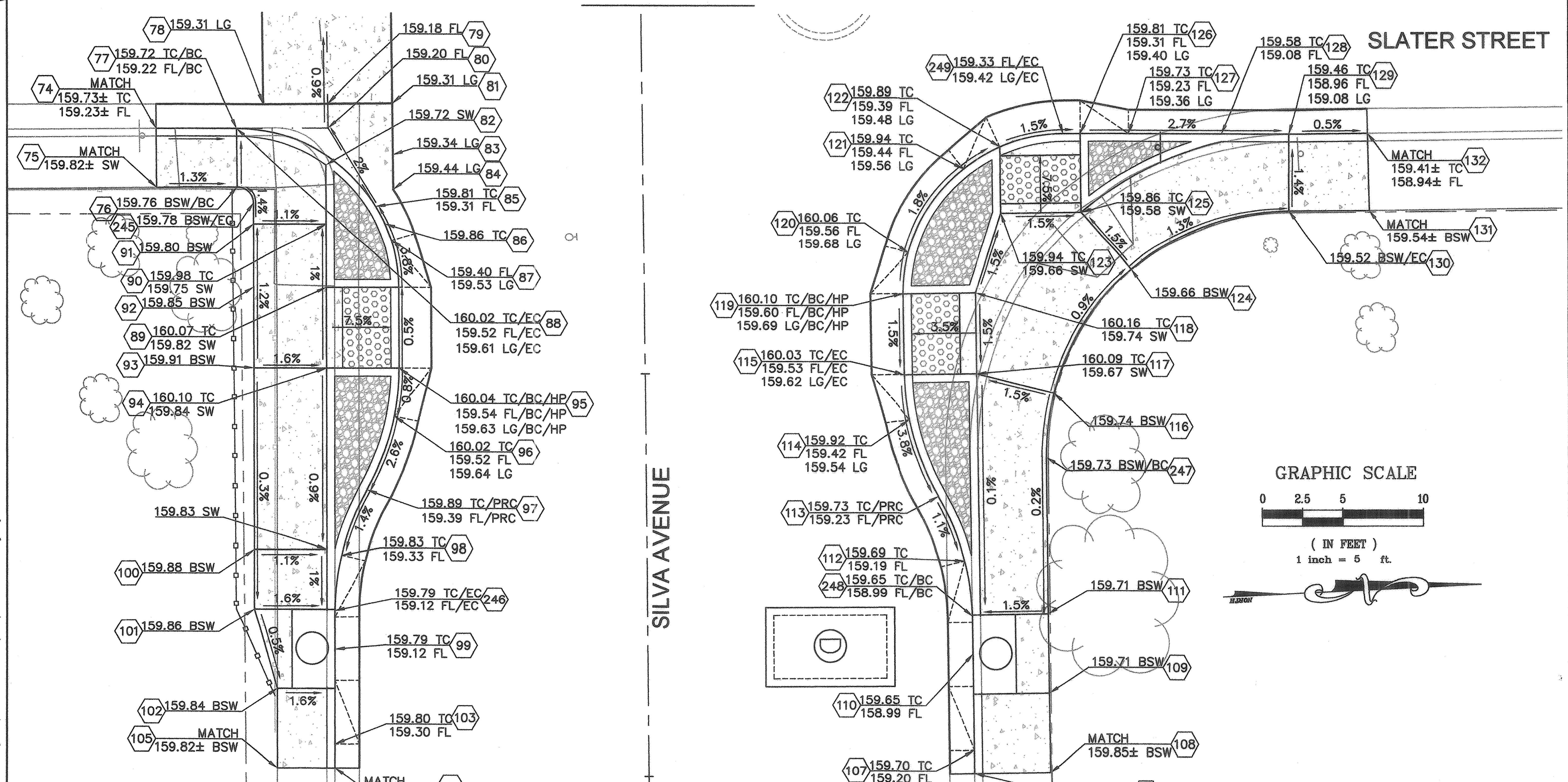
FILE NO. 2021-0011



SITE PLAN

CONSTRUCTION NOTES:

- (R3) REMOVE & REPLACE VALLEY GUTTER PER CITY STD 243.
- (R8) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R10) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- (R11) INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- (R12) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R13) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R14) CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- (R15) CONFORM TO EXISTING CURB AND GUTTER.
- (R16) CONFORM TO EXISTING CONCRETE.
- (R17) INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R18) CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- (R19) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 3/25
- (R24) RELOCATE EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.
- (R26) REMOVE AND REPLACE FENCE IN KIND. PLACE NEW FENCE 0.5' MIN. BEHIND R/W.
- (R36) CONSTRUCT VERTICAL CURB PER DETAIL 2/25
- (R37) CONTRACTOR TO PROTECT EXISTING PROPERTY CORNER IN PLACE. DAMAGED PROPERTY CORNERS SHALL BE REPLACED AND RESET PER SPECIFICATIONS.



FINISH GRADING PLAN

DESIGN CONTROL LINE POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
74	1929664.71	6356866.17	TC
75	1929664.55	6356869.84	BSW
76	1929669.55	6356870.06	BSW/BC
77	1929669.70	6356866.42	TC/BC
78	1929671.43	6356864.99	LG
79	1929675.43	6356865.15	FL
80	1929675.37	6356866.65	FL
81	1929679.43	6356865.32	LG
82	1929675.12	6356868.94	FL
83	1929679.30	6356868.51	LG
84	1929679.21	6356870.67	LG
85	1929678.06	6356871.70	TC
86	1929678.59	6356872.85	TC
87	1929678.93	6356873.92	TC
88	1929679.23	6356876.90	TC/EC
89	1929674.73	6356876.68	SW
90	1929674.94	6356872.69	SW
91	1929670.44	6356872.46	BSW
92	1929670.24	6356876.45	BSW
93	1929669.99	6356881.45	BSW
94	1929674.51	6356881.66	SW
95	1929678.98	6356881.90	TC/BC/HP
96	1929678.53	6356884.86	TC
97	1929676.60	6356889.28	TC/PRC
98	1929674.83	6356893.13	TC
99	1929674.10	6356899.15	CATCH BASIN
100	1929669.43	6356892.52	BSW
101	1929669.24	6356896.32	BSW
102	1929670.41	6356901.39	BSW
103	1929673.81	6356905.06	TC
104	1929673.74	6356906.47	TC
105	1929670.17	6356906.30	BSW
106	1929713.37	6356908.76	TC

DESIGN CONTROL LINE POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
107	1929713.42	6356907.34	TC
108	1929718.08	6356908.93	BSW
109	1929718.26	6356904.02	BSW
110	1929713.65	6356901.35	CATCH BASIN
111	1929718.46	6356899.03	BSW
112	1929713.45	6356895.37	TC
113	1929712.03	6356891.38	TC/PRC
114	1929710.46	6356886.63	TC
115	1929710.22	6356883.82	TC/EC
116	1929719.53	6356885.48	BSW
117	1929714.80	6356883.99	BSW
118	1929714.99	6356879.00	SW
119	1929710.49	6356878.83	TC/BC/HP
120	1929710.95	6356876.25	TC
121	1929714.67	6356871.12	TC
122	1929716.97	6356869.81	TC
123	1929716.82	6356874.04	SW
124	1929724.73	6356878.00	BSW
125	1929721.82	6356874.25	SW
126	1929722.02	6356869.32	TC
127	1929725.02	6356869.48	TC
128	1929730.79	6356869.79	TC
129	1929734.97	6356870.02	TC
130	1929734.71	6356874.82	BSW
131	1929739.71	6356875.05	BSW
132	1929739.85	6356870.22	TC
245	1929670.51	6356871.11	BSW/EC
246	1929674.23	6356896.65	TC/EC
247	1929718.85	6356889.43	BSW/BC
248	1929713.74	6356898.93	TC/BC
249	1929720.97	6356869.27	FL/EC

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS SLATER AT SILVA AVE (E)

CONTRACT NO. C00189

SHEET 13 OF 25

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg
Images: 2018_Merged_Aerial.tif;L_208.tif;L_218.tif;2018_Merged_Aerial.tif;
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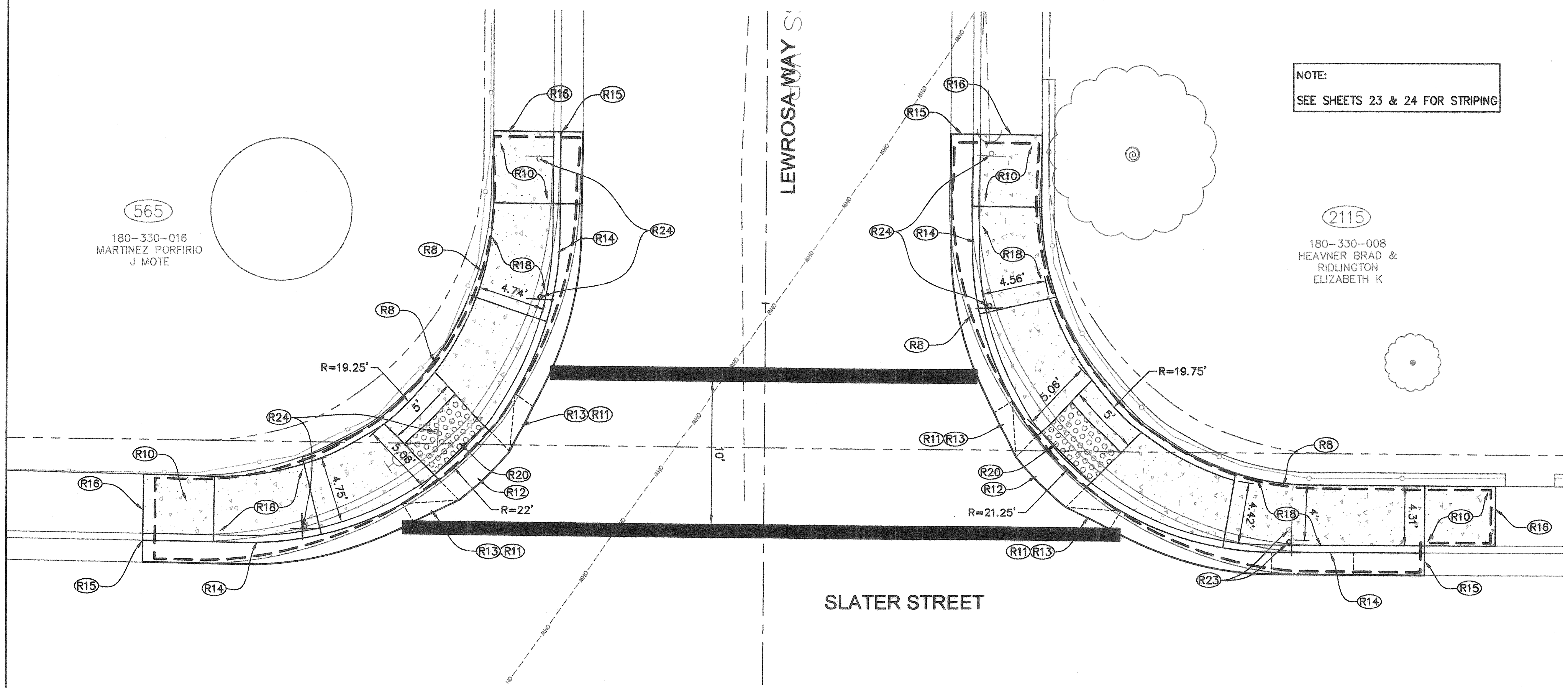
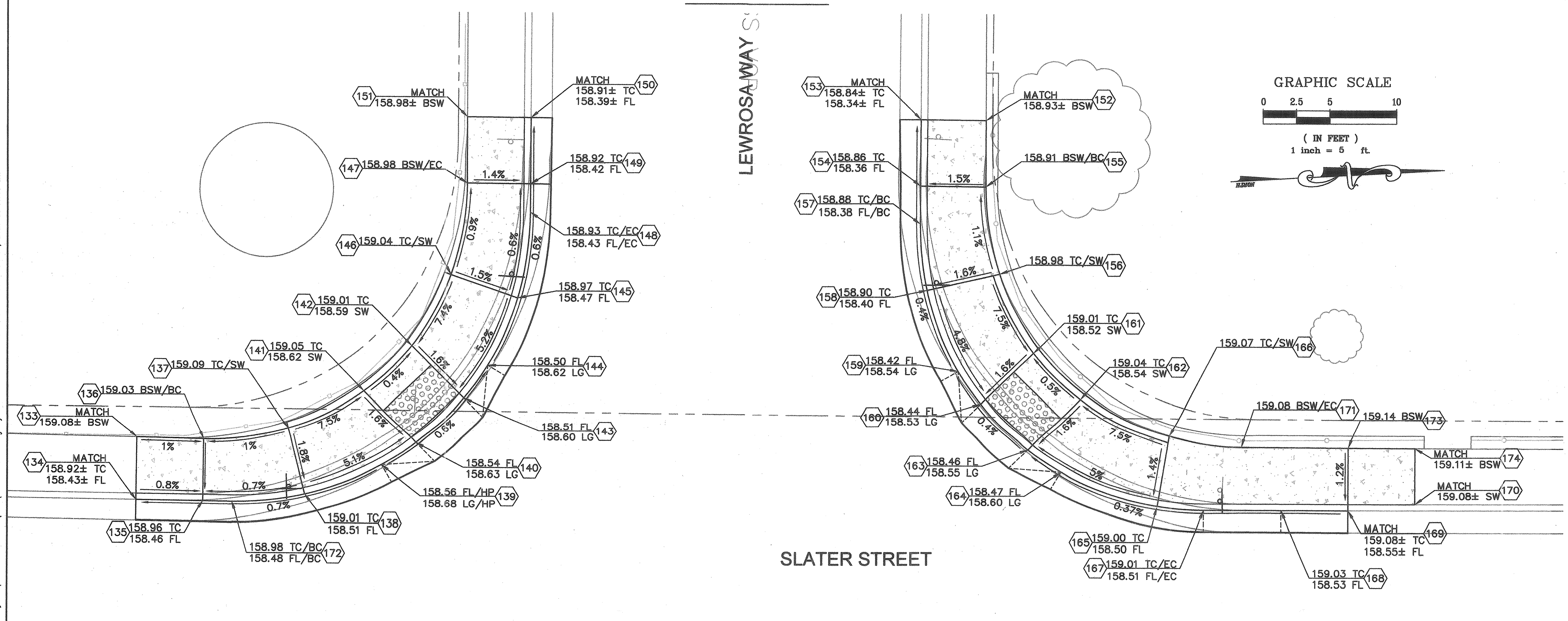


NOTE:
SEE SHEETS 23 & 24 FOR STRIPING

SITE PLAN



FINISH GRADING PLAN

CONSTRUCTION NOTES:

- (R8) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R10) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- (R11) INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- (R12) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R13) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R14) CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- (R15) CONFORM TO EXISTING CURB AND GUTTER.
- (R16) CONFORM TO EXISTING CONCRETE.
- (R18) CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- (R20) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R23) RESET EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.
- (R24) RELOCATE EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.

DESIGN CONTROL LINE POINT TABLE

POINT NO.	NORTHING	EASTING	DESCRIPTION
133	1930143.22	6356911.82	BSW
134	1930143.42	6356916.60	TC
135	1930148.42	6356916.40	TC
136	1930148.22	6356911.66	BSW/BC
137	1930154.48	6356910.40	SW
138	1930155.98	6356915.40	TC
139	1930161.62	6356912.88	TC
140	1930164.06	6356910.97	TC
141	1930159.96	6356907.19	SW
142	1930163.35	6356903.52	SW
143	1930167.45	6356907.29	TC
144	1930169.09	6356904.67	TC
145	1930171.05	6356899.55	TC
146	1930165.99	6356898.16	SW
147	1930166.84	6356891.46	BSW/EC
148	1930171.65	6356893.33	TC/EC
149	1930171.56	6356891.24	TC
150	1930171.33	6356886.25	TC
151	1930166.59	6356886.46	BSW
152	1930205.36	6356884.56	BSW
153	1930200.50	6356884.78	TC
154	1930200.73	6356889.78	TC
155	1930205.61	6356889.55	BSW/BC
156	1930206.97	6356895.80	SW
157	1930200.86	6356892.56	TC/BC
158	1930201.62	6356897.29	TC
159	1930204.26	6356903.15	TC
160	1930206.06	6356905.54	TC
161	1930209.80	6356901.42	SW
162	1930213.50	6356904.78	SW
163	1930209.77	6356908.90	TC
164	1930212.33	6356910.46	TC
165	1930219.65	6356912.70	TC
166	1930220.27	6356907.31	SW
167	1930223.13	6356912.81	TC/EC
168	1930228.92	6356912.53	TC
169	1930233.91	6356912.28	TC
170	1930238.88	6356911.54	TC
171	1930225.71	6356907.84	BSW/EC
172	1930150.58	6356916.31	TC/BC
173	1930233.68	6356907.48	BSW
174	1930238.67	6356907.25	BSW

HEIDI E. UTTERBACK
No. 53723
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

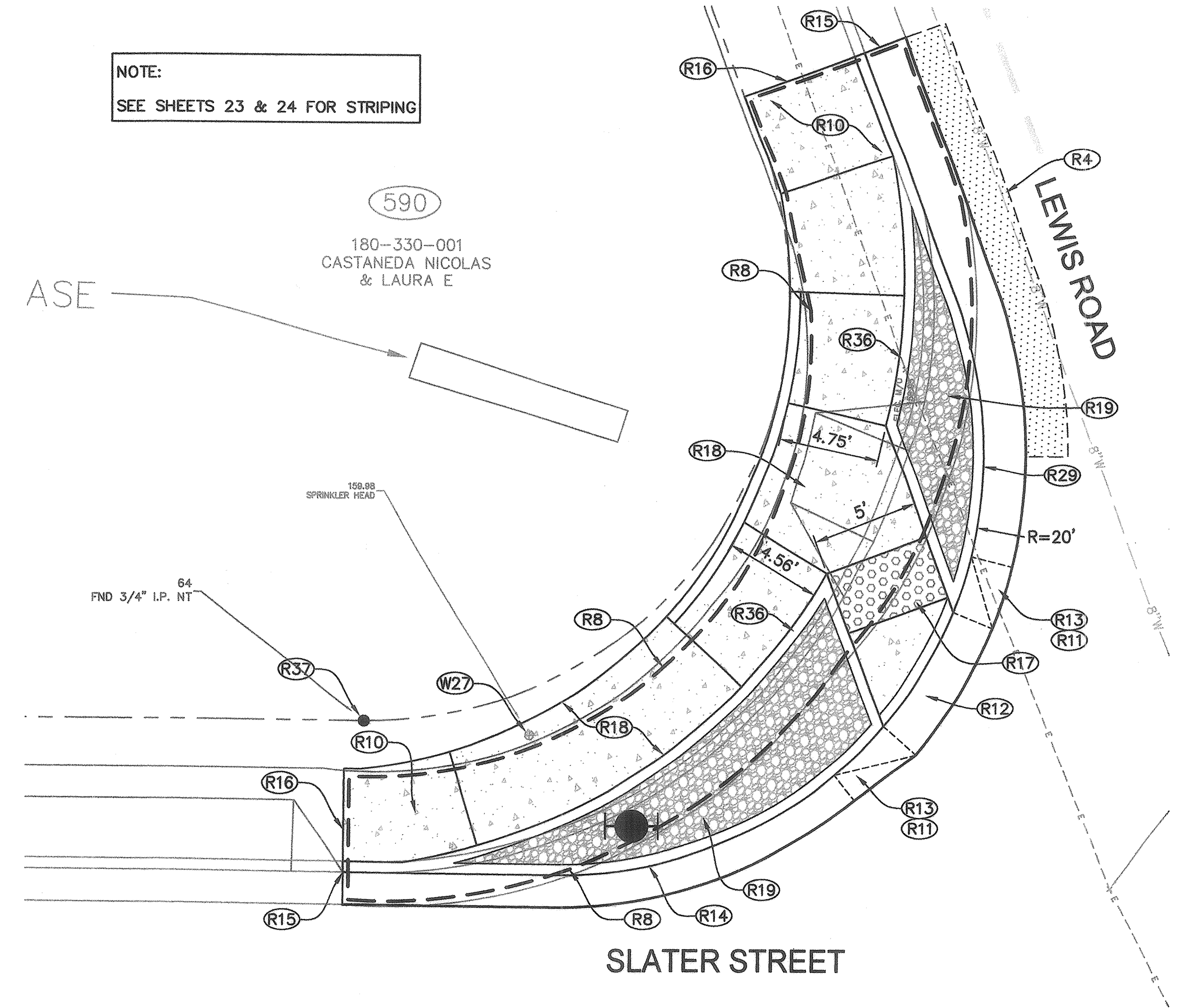
SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS
SLATER AT LEWROSA WAY (W)

CONTRACT NO.
C00189

FILE NO. 2021-0011

NOTE:
SEE SHEETS 23 & 24 FOR STRIPING

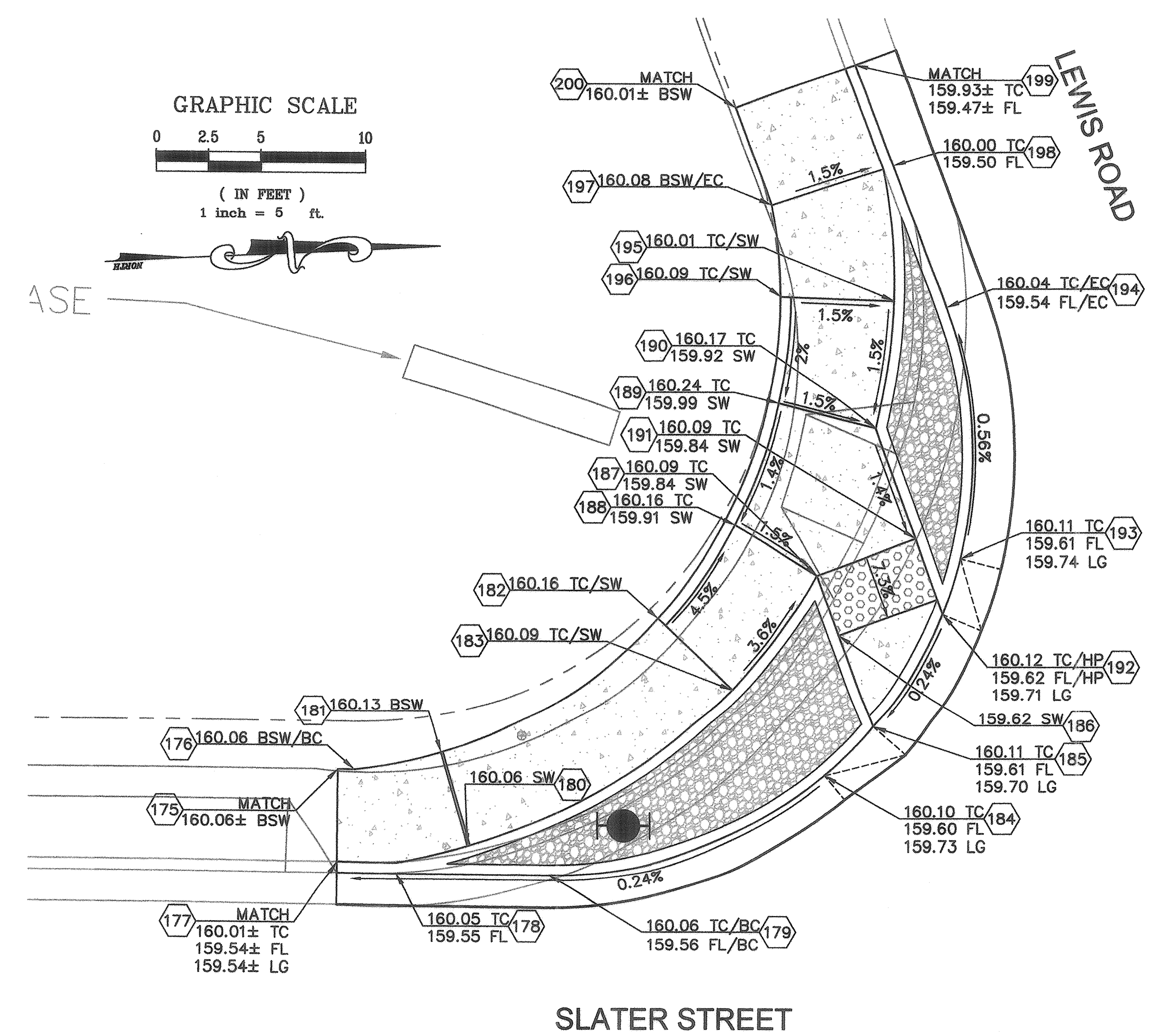


SITE PLAN

CONSTRUCTION NOTES:

- R4 2' WIDE x 6" FULL DEPTH AC CONFORM, PLACED IN TWO LIFTS.
- R8 REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- R10 INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- R11 INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- R12 INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- R13 INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- R14 CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- R15 CONFORM TO EXISTING CURB AND GUTTER.
- R16 CONFORM TO EXISTING CONCRETE.
- R17 INSTALL MODIFIED TYPE F CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- R18 CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- R19 INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 3/25
- R29 CONSTRUCT CURB AND GUTTER PER CITY STD 241.
- R36 CONSTRUCT VERTICAL CURB PER DETAIL 2/25
- R37 CONTRACTOR TO PROTECT EXISTING PROPERTY CORNER IN PLACE. DAMAGED PROPERTY CORNERS SHALL BE REPLACED AND RESET PER SPECIFICATIONS.
- W27 EXISTING SPRINKLER HEAD AND IRRIGATION WATER LINE TO BE RELOCATED BEHIND NEW SIDEWALK, AS REQUIRED.

GRAPHIC SCALE
0 2.5 5 10
(IN FEET)
1 inch = 5 ft.



FINISH GRADING PLAN

DESIGN CONTROL LINE POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
175	1930706.90	6356885.95	BSW
176	1930707.68	6356885.92	BSW/BC
177	1930707.12	6356890.82	TC
178	1930709.94	6356890.70	TC
179	1930717.22	6356890.40	TC/BC
180	1930713.27	6356889.29	SW
181	1930711.76	6356884.88	BSW
182	1930721.76	6356877.81	BSW
183	1930725.49	6356880.99	SW
184	1930730.08	6356884.97	TC
185	1930732.29	6356882.51	TC
186	1930730.41	6356878.12	SW
187	1930729.23	6356875.37	SW
188	1930725.19	6356873.24	BSW
189	1930726.97	6356867.52	BSW
190	1930731.65	6356868.33	SW
191	1930733.82	6356873.40	SW
192	1930735.30	6356876.85	TC
193	1930736.01	6356874.20	TC
194	1930734.71	6356862.43	TC/EC
195	1930732.19	6356862.28	SW
196	1930726.78	6356862.39	BSW
197	1930726.10	6356857.93	BSW
198	1930731.78	6356855.71	TC
199	1930729.70	6356850.94	TC
200	1930724.13	6356853.34	BSW

REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
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Santa Rosa, CA 95405
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NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS
SLATER AT LEWIS RD (W)

CONTRACT NO.
C00189

SHEET 15 OF 25

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BKND.dwg;124396-SP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif
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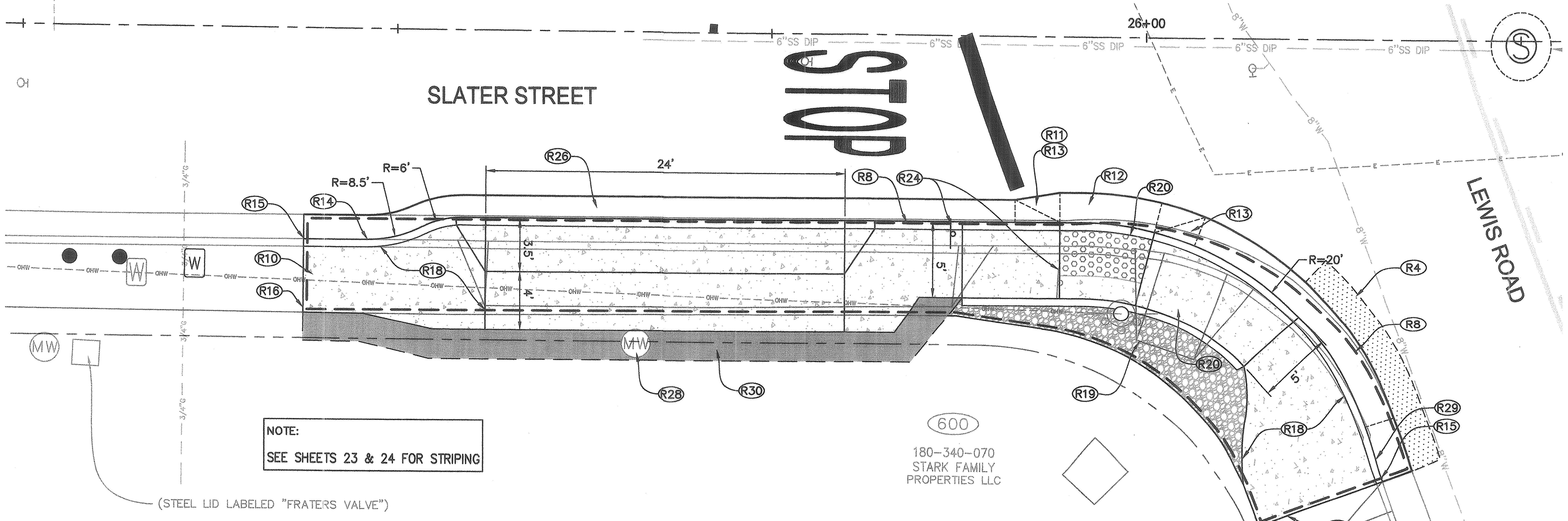
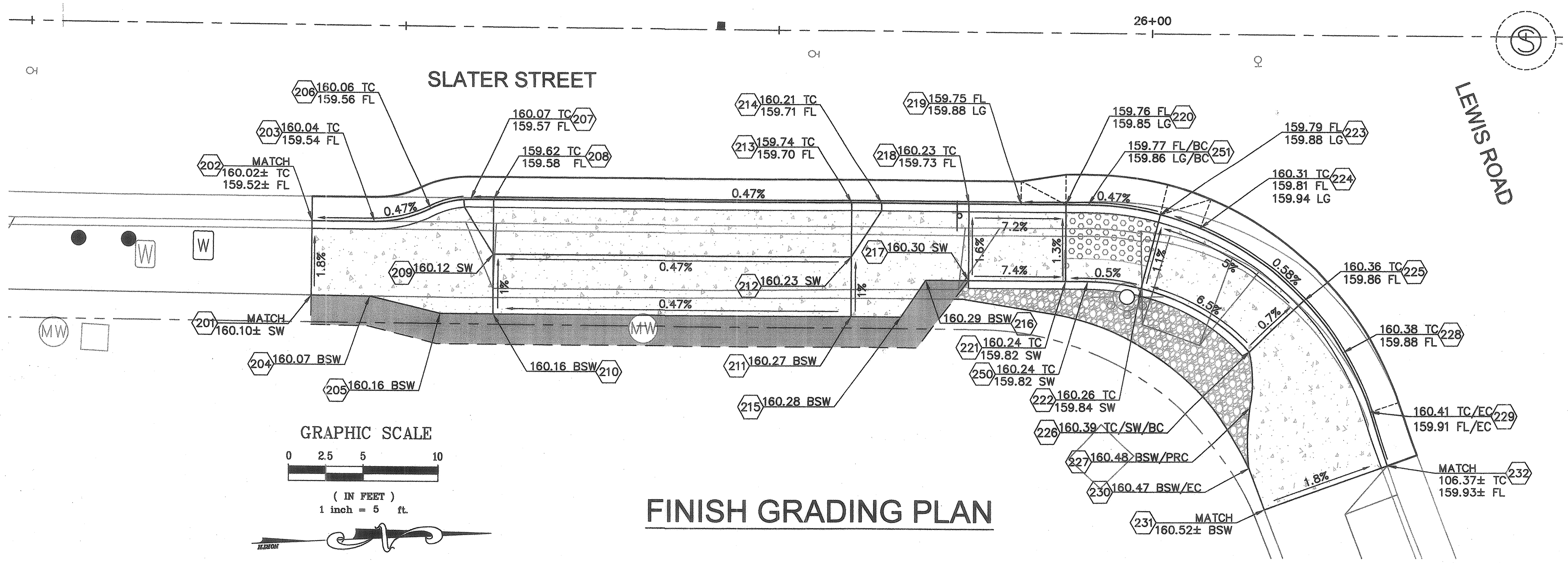


SITE PLAN



FINISH GRADING PLAN

CONSTRUCTION NOTES:

- (R4) 2' WIDE x 6" FULL DEPTH AC CONFORM, PLACED IN TWO LIFTS.
- (R8) REMOVE EXISTING CURB, GUTTER AND SIDEWALK.
- (R10) INSTALL 5' LONG (OR NEAREST SCORE MARK) SIDEWALK CROSS SLOPE TRANSITION.
- (R11) INSTALL 3' LONG GUTTER WIDTH TRANSITION.
- (R12) INSTALL 24" GUTTER PAN, SLOPE SHALL NOT BE STEEPER THAN 5%.
- (R13) INSTALL 3' MINIMUM GUTTER SLOPE TRANSITION.
- (R14) CONSTRUCT CURB AND GUTTER SIMILAR TO CITY STD 241, CURB WIDTH 18" WIDE TO MATCH EXISTING.
- (R15) CONFORM TO EXISTING CURB AND GUTTER.
- (R16) CONFORM TO EXISTING CONCRETE.
- (R18) CONSTRUCT CONCRETE SIDEWALK PER CITY STD 237.
- (R19) INSTALL COBBLE NON-WALKABLE SURFACE PER DETAIL 3/25
- (R20) INSTALL MODIFIED TYPE C CURB RAMP PER CALTRANS STD PLAN RSP A88A AND PER FINISH GRADING PLAN.
- (R24) RELOCATE EXISTING STREET SIGN WHERE SHOWN PER CITY STD. 701.
- (R26) CONSTRUCT DRIVEWAY AND SIDEWALK PER CITY STD 250A, WIDTH AS SHOWN.
- (R29) CONSTRUCT CURB AND GUTTER PER CITY STD 241.
- (R28) ADJUST MONITORING WELL TO FINISH GRADE PER DETAIL 8/25
- (R30) SAWCUT AND INSTALL 2' WIDE AC CONFORM, 6" THICK.

DESIGN CONTROL LINE POINT TABLE

POINT NO.	NORTHING	EASTING	DESCRIPTION
201	1930694.85	6356922.42	BSW
202	1930694.64	6356917.54	TC
203	1930698.80	6356917.34	TC/BC
204	1930698.76	6356922.26	BSW
205	1930703.51	6356923.16	BSW
206	1930702.51	6356916.28	TC/PRC
207	1930705.14	6356915.54	TC/EC
208	1930706.69	6356915.47	TC/DWY
209	1930706.85	6356919.00	SW/DWY
210	1930707.04	6356922.99	SW
211	1930731.01	6356921.82	SW
212	1930730.82	6356917.83	SW/DWY
213	1930730.66	6356914.33	TC/DWY
214	1930732.65	6356914.24	TC
215	1930734.35	6356921.66	TC
216	1930735.87	6356919.08	SW
217	1930738.73	6356918.94	SW
218	1930738.49	6356913.95	TC
219	1930741.98	6356913.78	TC
220	1930744.98	6356913.63	TC
221	1930745.23	6356918.63	TC
222	1930750.29	6356918.81	SW
223	1930751.32	6356913.92	SW
224	1930754.02	6356914.65	TC
225	1930761.23	6356919.05	TC
226	1930757.75	6356922.65	SW
227	1930757.99	6356926.40	SW
228	1930764.01	6356922.34	TC
229	1930766.06	6356926.22	TC
230	1930758.12	6356930.29	SW
231	1930759.31	6356933.06	SW
232	1930767.38	6356929.61	TC
250	1930746.71	6356918.55	TC/BC
251	1930746.46	6356913.56	FL/BC

REGISTERED PROFESSIONAL ENGINEER
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No. 53723
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

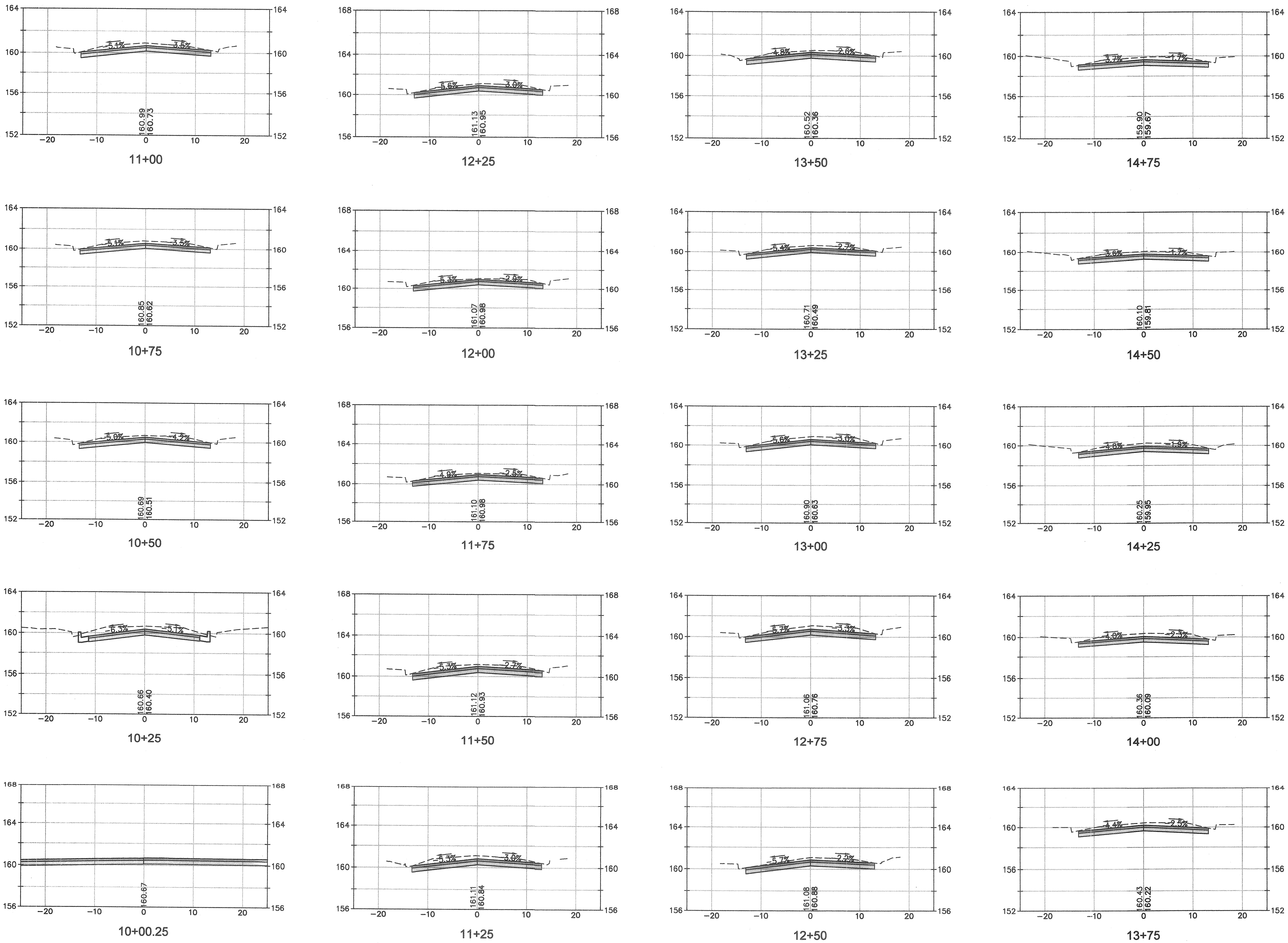
SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

PEDESTRIAN RAMP DETAILS
SLATER AT LEWIS RD (E)

CONTRACT NO. C00189

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-RAMP.dwg Layout Name: SHT-16 RAMPS Plot Date: Jun 01, 2021 at 11:31 am



CROSS SECTION SCALES
HORIZ. 1"=10'
VERT. 1"=5'

HEIDI E. UTTERBACK No. 53723 CIVIL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

City of Santa Rosa

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

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DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

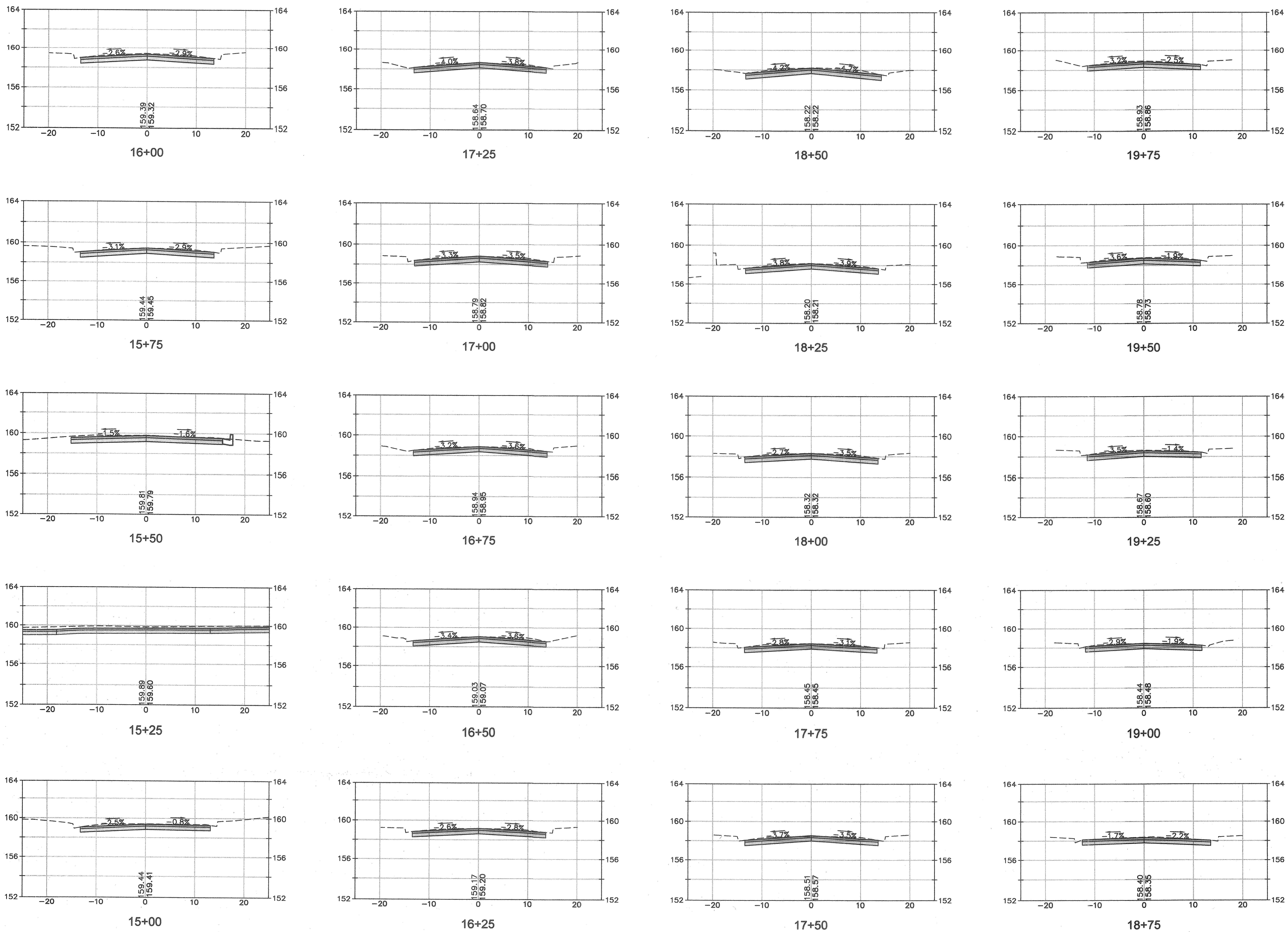
SLATER STREET CROSS SECTIONS STA 10+00 TO STA 14+75

CONTRACT NO. C00189

SHEET 17 OF 25

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg;124396-RAMP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SECT.dwg Layout Name: SHT-17 SECTION Plot Date: Jun 01, 2021 at 11:32 am



CROSS SECTION SCALES

HORIZ. 1"=10'
VERT. 1"=5'

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
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DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

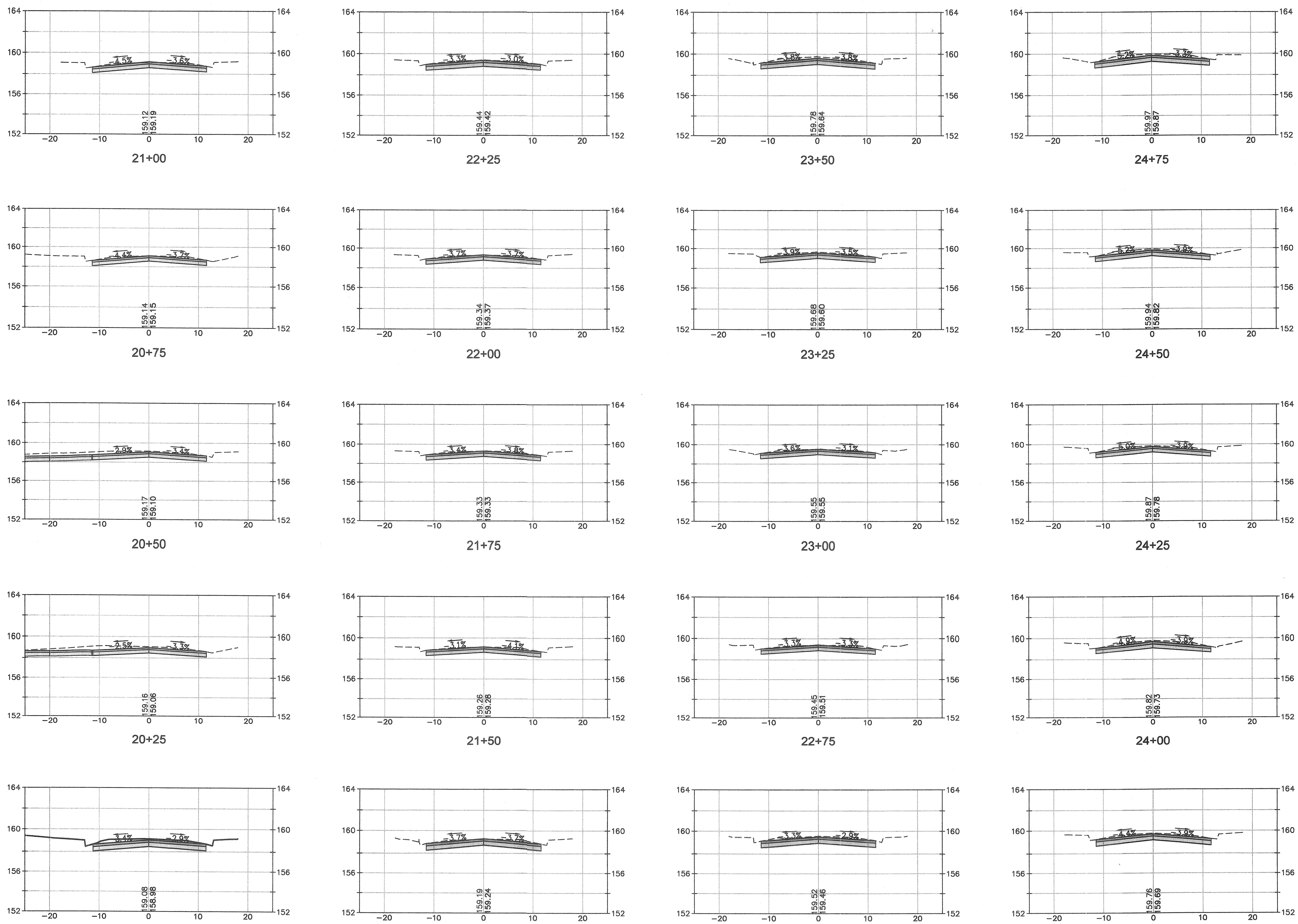
SLATER STREET CROSS SECTIONS STA 15+00 TO STA 19+75

CONTRACT NO. C00189

SHEET 18 OF 25

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS_STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg;124396-RAMP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SECT.dwg Layout Name: SHT-18 SECTION Plot Date: Jun 01, 2021 at 11:32 am



CROSS SECTION SCALES
HORIZ. 1"=10'
VERT. 1"=5'

City of Santa Rosa

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1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SLATER STREET CROSS SECTIONS STA 20+00 TO STA 24+75

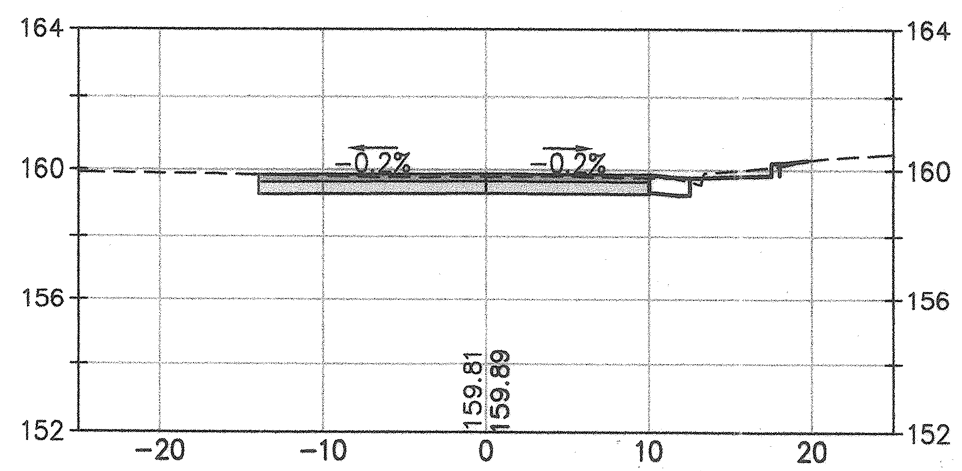
CONTRACT NO. C00189

SHEET 19 OF 25

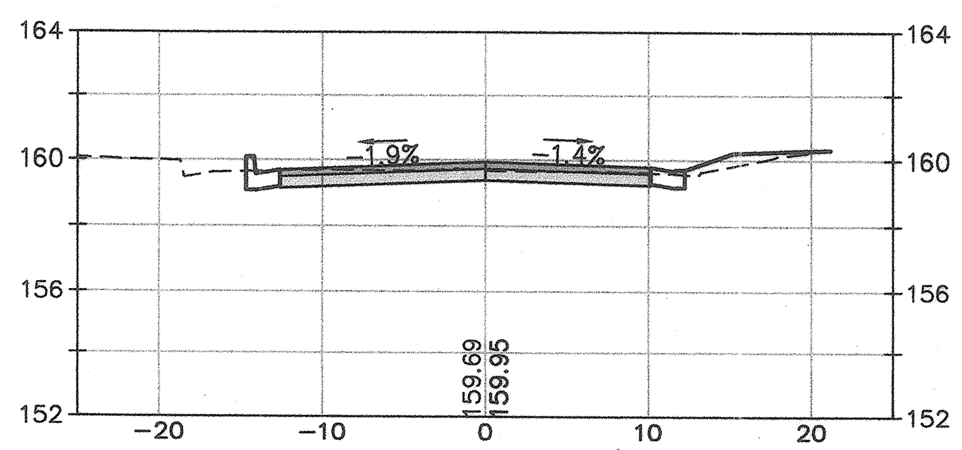
FILE NO. 2021-0011

REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

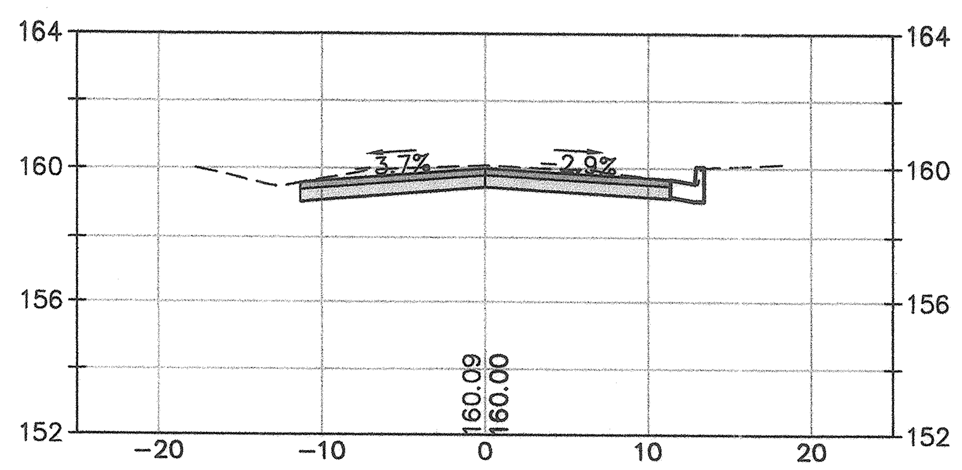
Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg; 124396-TP.dwg;BM07.dwg;124396-SP.dwg;124396-RAMP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif; 2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SECT.dwg Layout Name: SHT-19 SECTION Plot Date: Jun 01, 2021 at 11:32 am



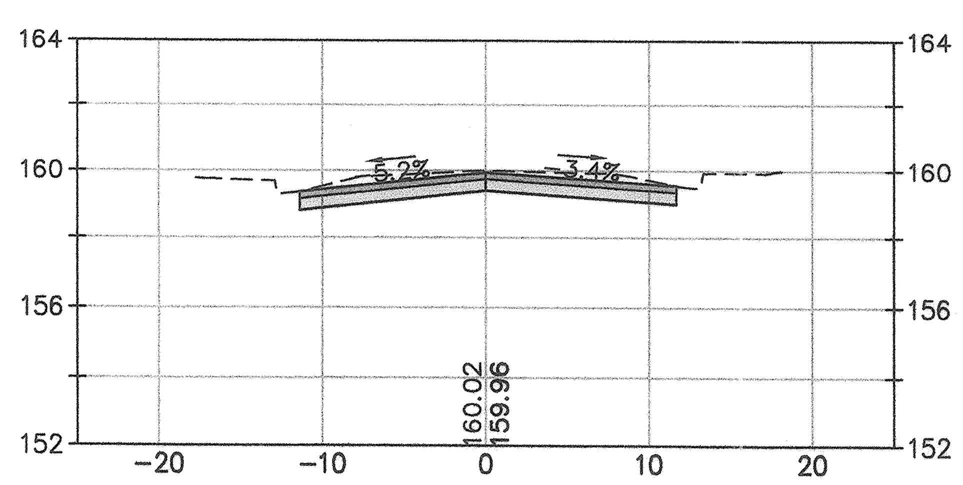
26+00



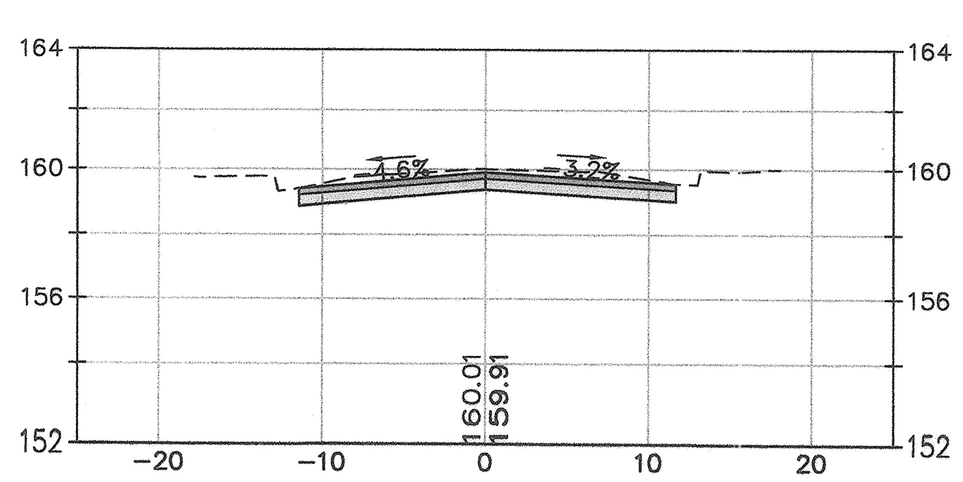
25+75



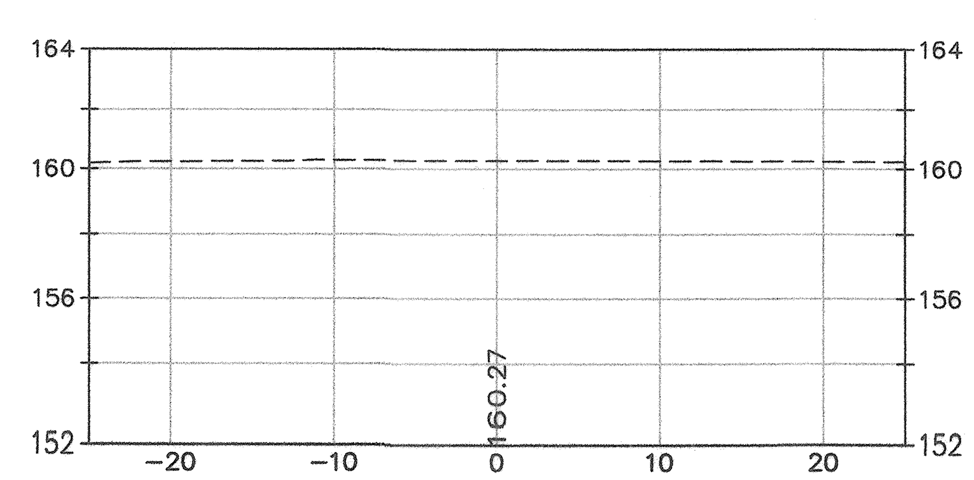
25+50



25+25



25+00



26+25

CROSS SECTION SCALES
HORIZ. 1"=10'
VERT. 1"=5'

REGISTERED PROFESSIONAL ENGINEER
HEIDI E. UTTERBACK
No. 53723
CIVIL
STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

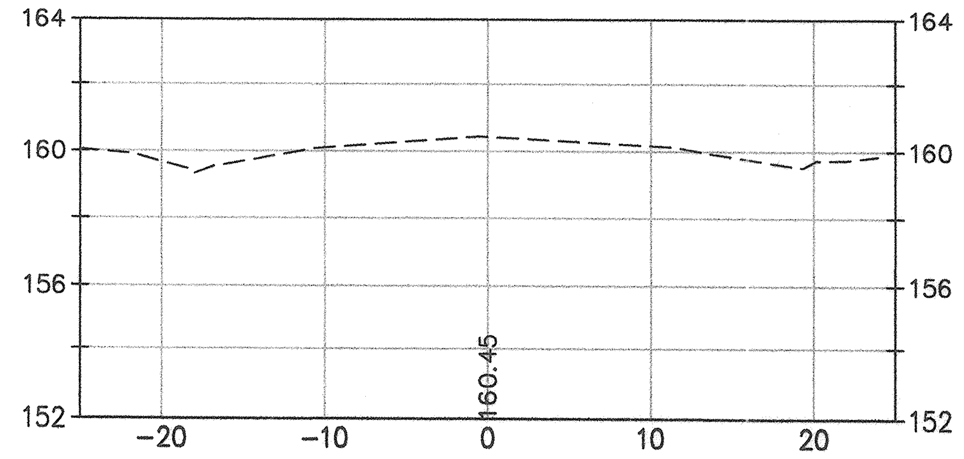
DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

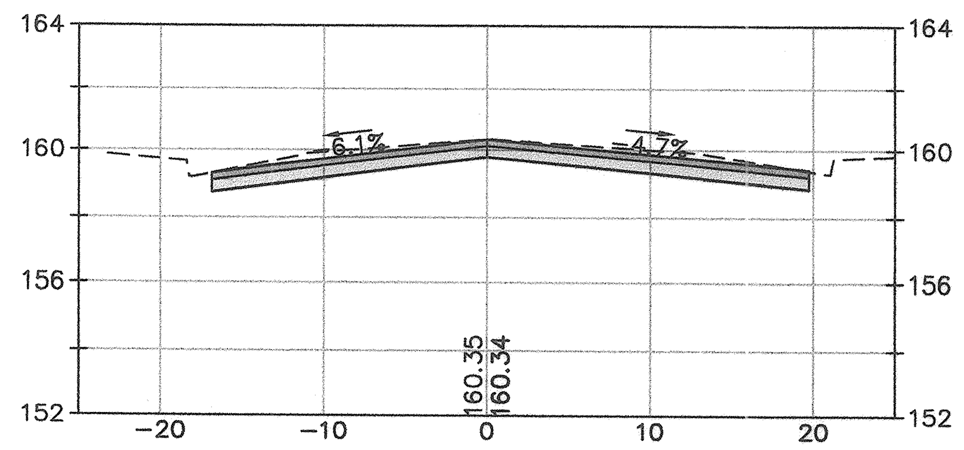
SLATER STREET CROSS SECTIONS STA 25+00 TO STA 26+25

CONTRACT NO. C00189
SHEET 20 OF 25
FILE NO. 2021-0011

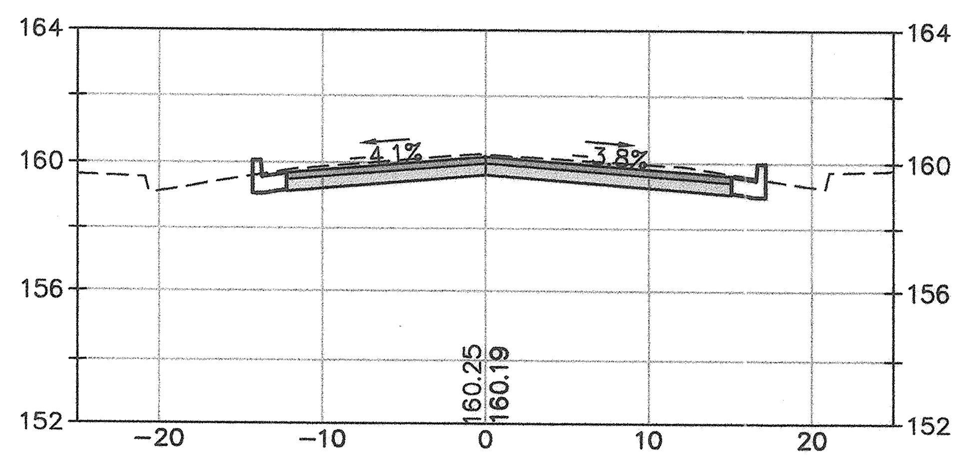
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SECT.dwg Layout Name: SHT-20 SECTION Plot Date: Jun 01, 2021 at 11:32 am



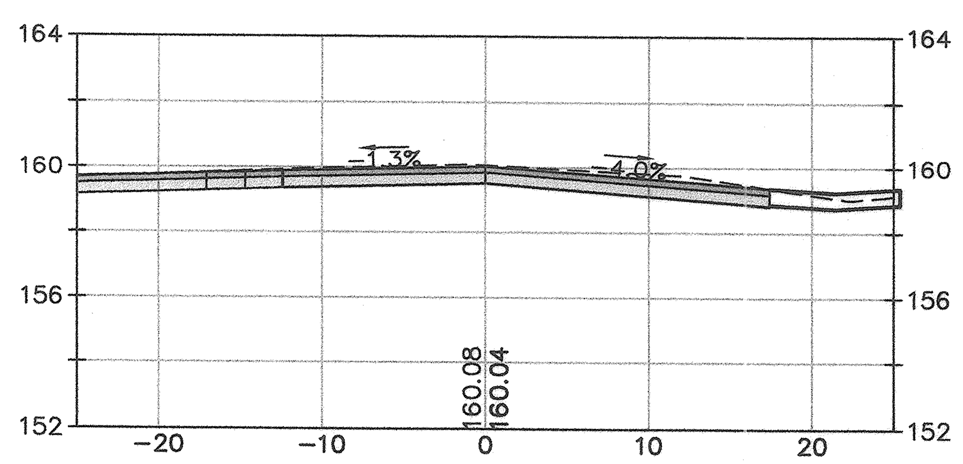
12+00



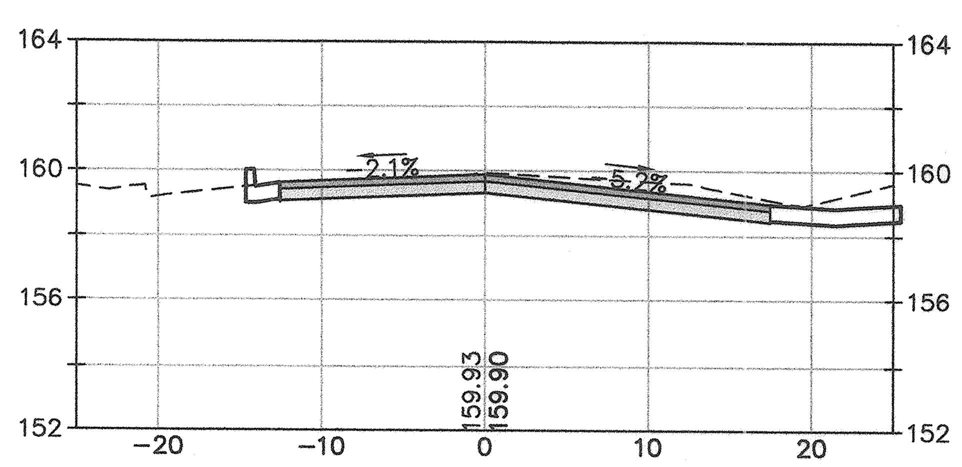
11+75



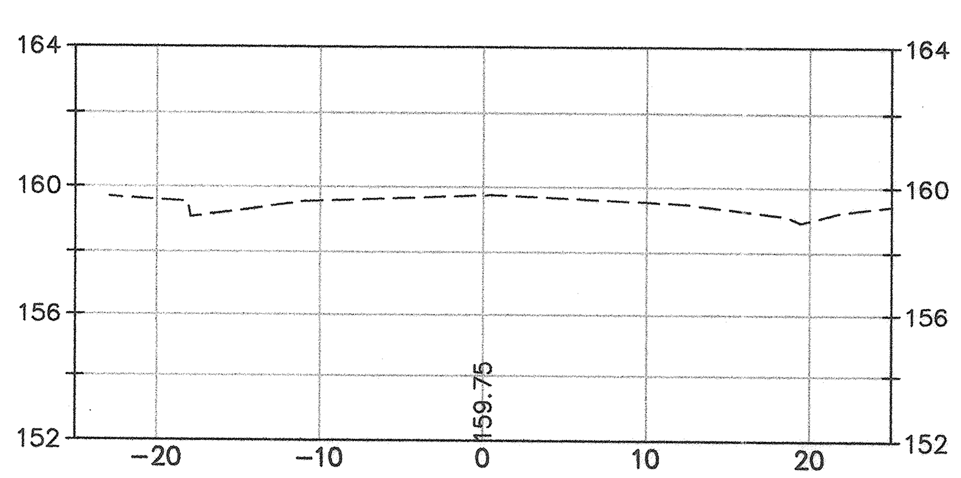
11+50



11+25



11+00



10+75

CROSS SECTION SCALES
HORIZ. 1"=10'
VERT. 1"=5'

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg;124396-RAMP.dwg
Images: 2018_Merged_Aerial.tif;L_20B.tif;L_21B.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SECT.dwg Layout Name: SHT-21 SECTION Plot Date: Jun 01, 2021 at 11:32 am

REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 83723 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

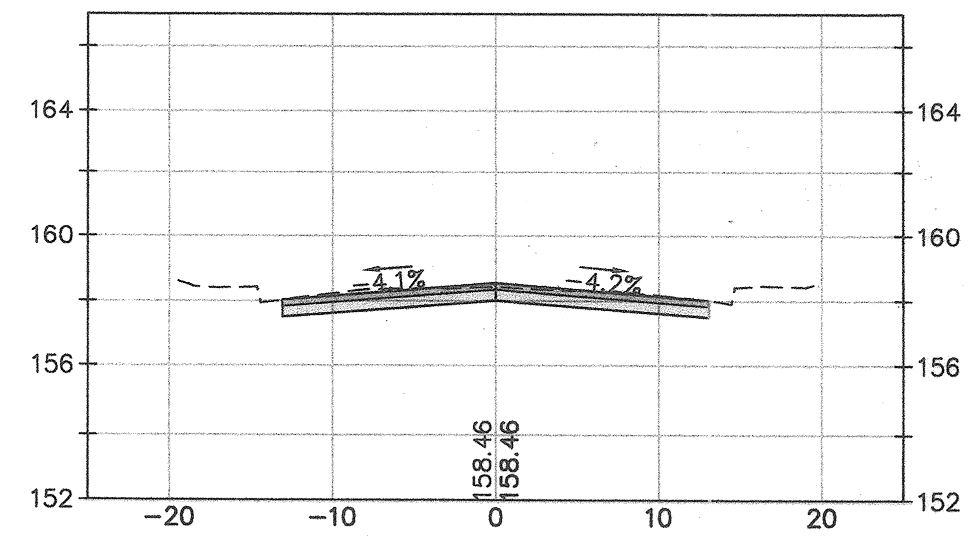
NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

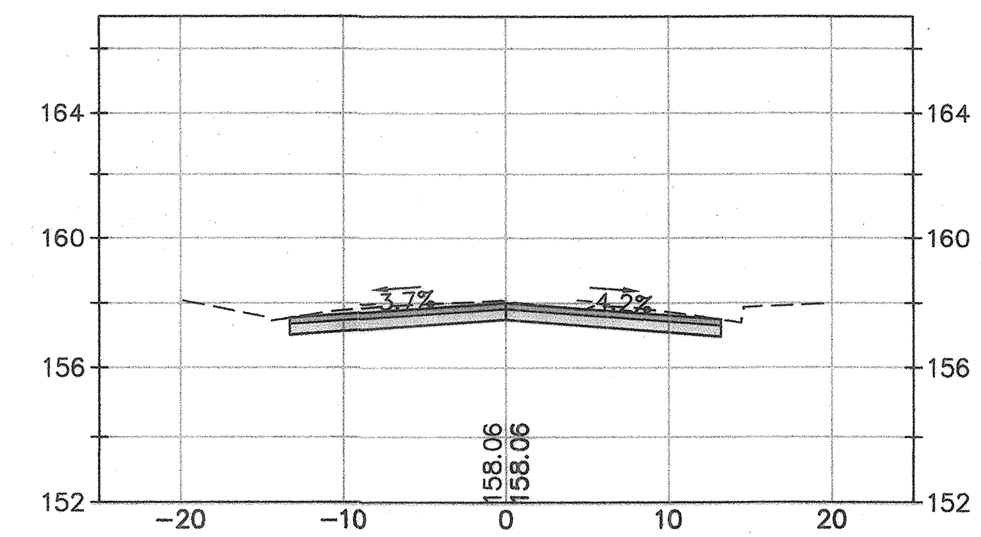
SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SILVA AVENUE
CROSSECTIONS
STA 10+75 TO STA 12+00

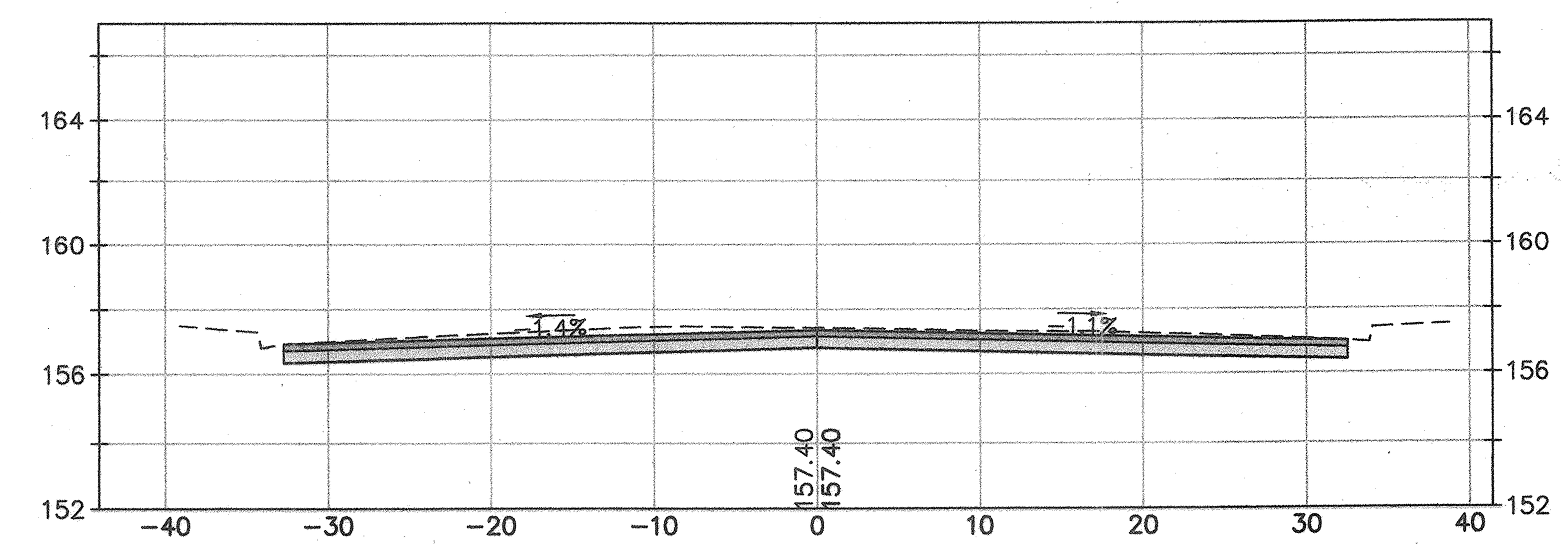
CONTRACT NO. C00189
SHEET 21 OF 25
FILE NO. 2021-0011



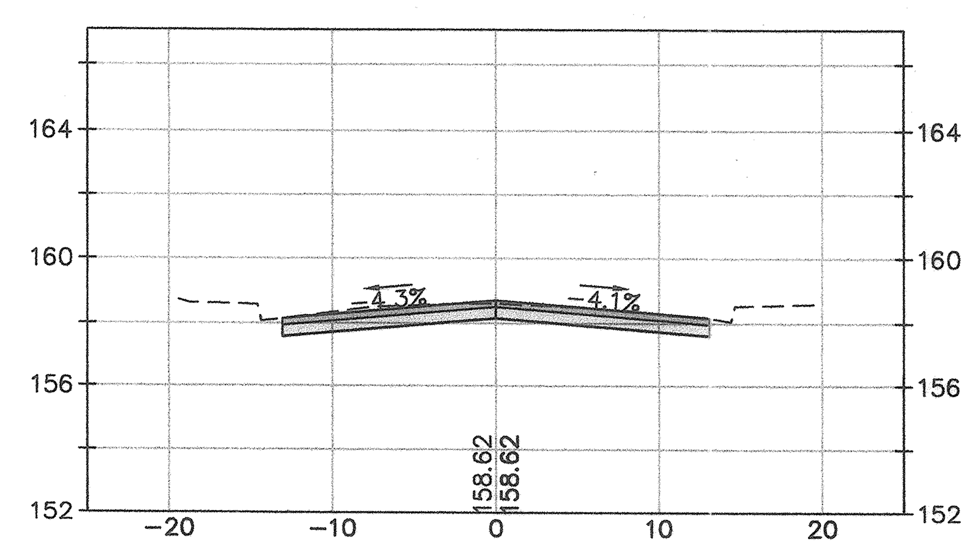
51+25



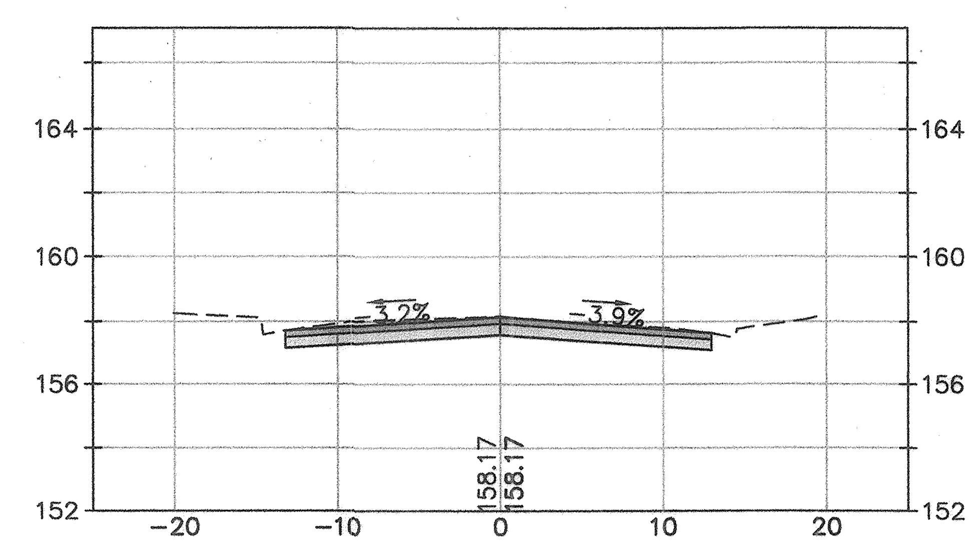
52+25



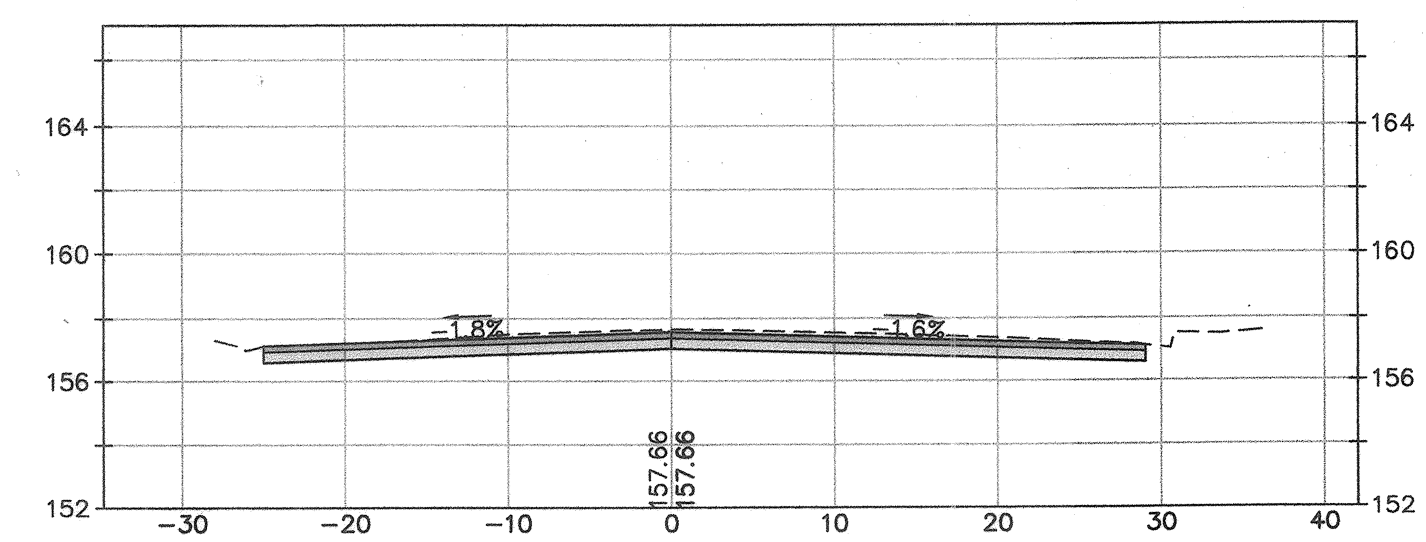
53+25



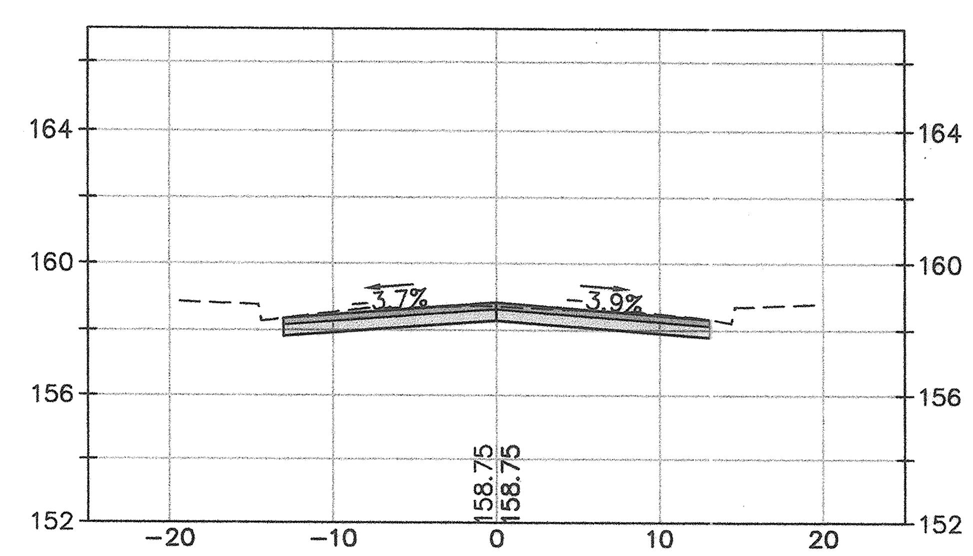
51+00



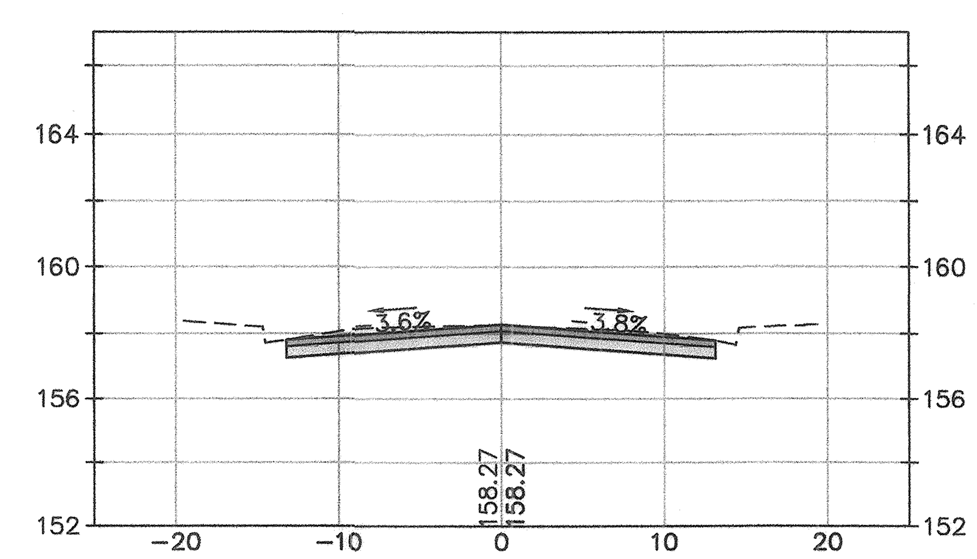
52+00



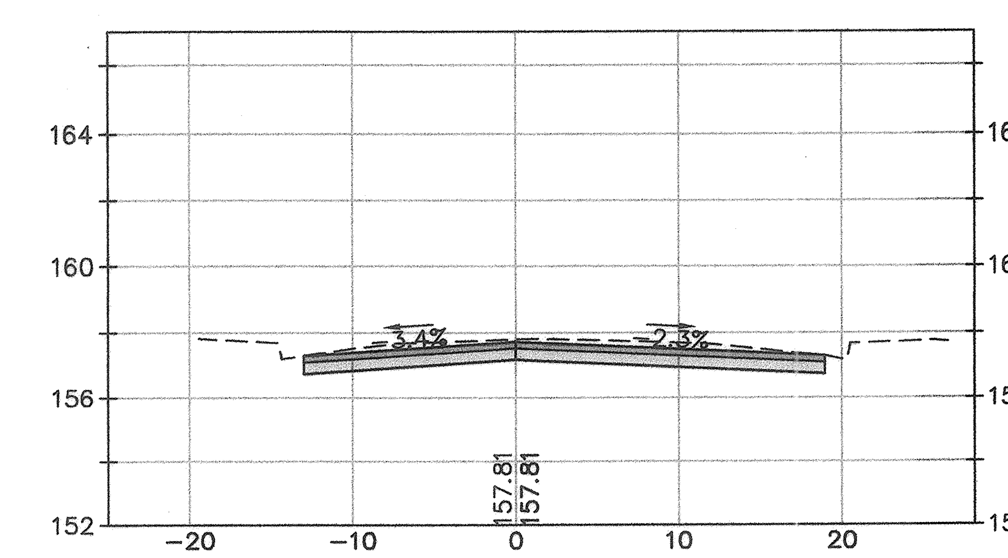
53+00



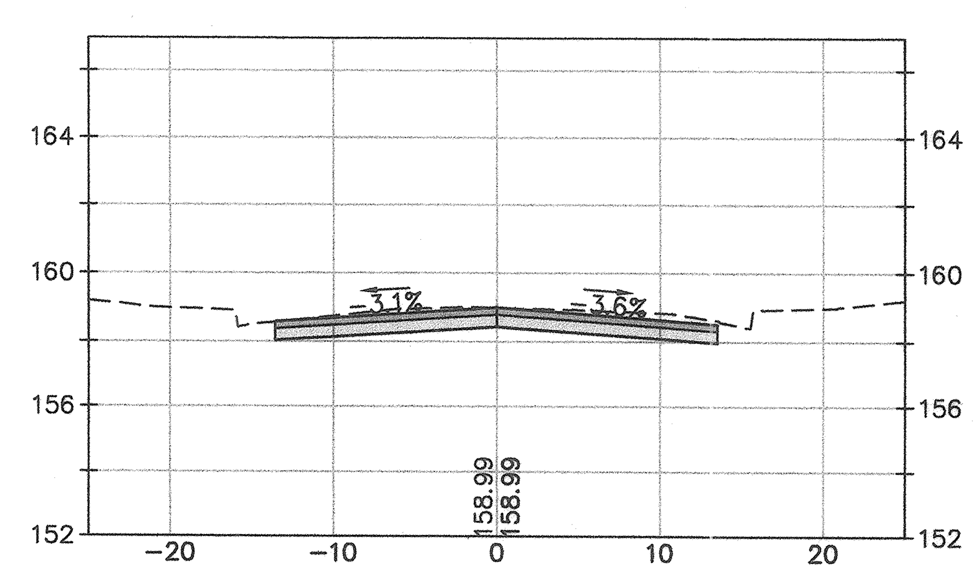
50+75



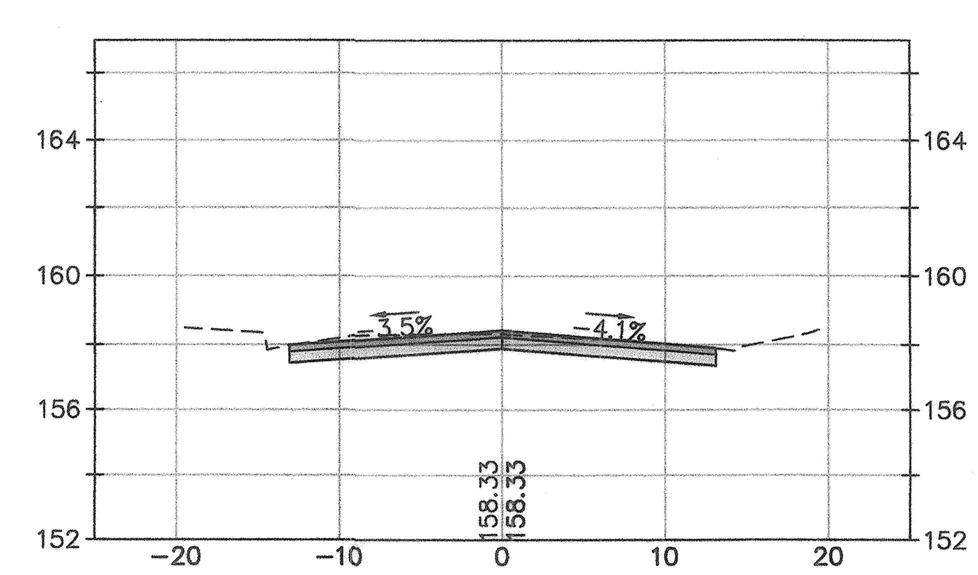
51+75



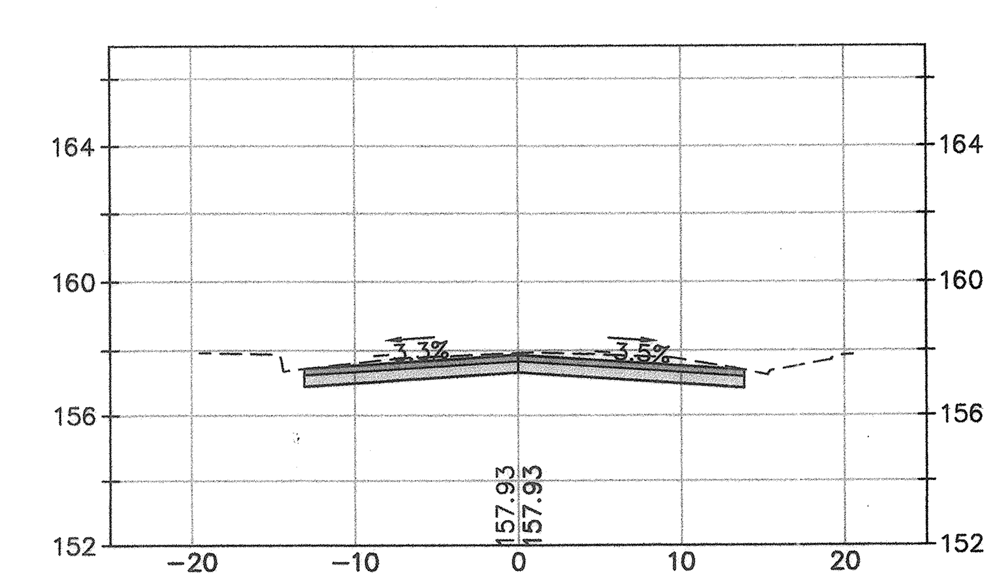
52+75



50+50



51+50



52+50

CROSS SECTION SCALES
HORIZ. 1"=10'
VERT. 1"=5'

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

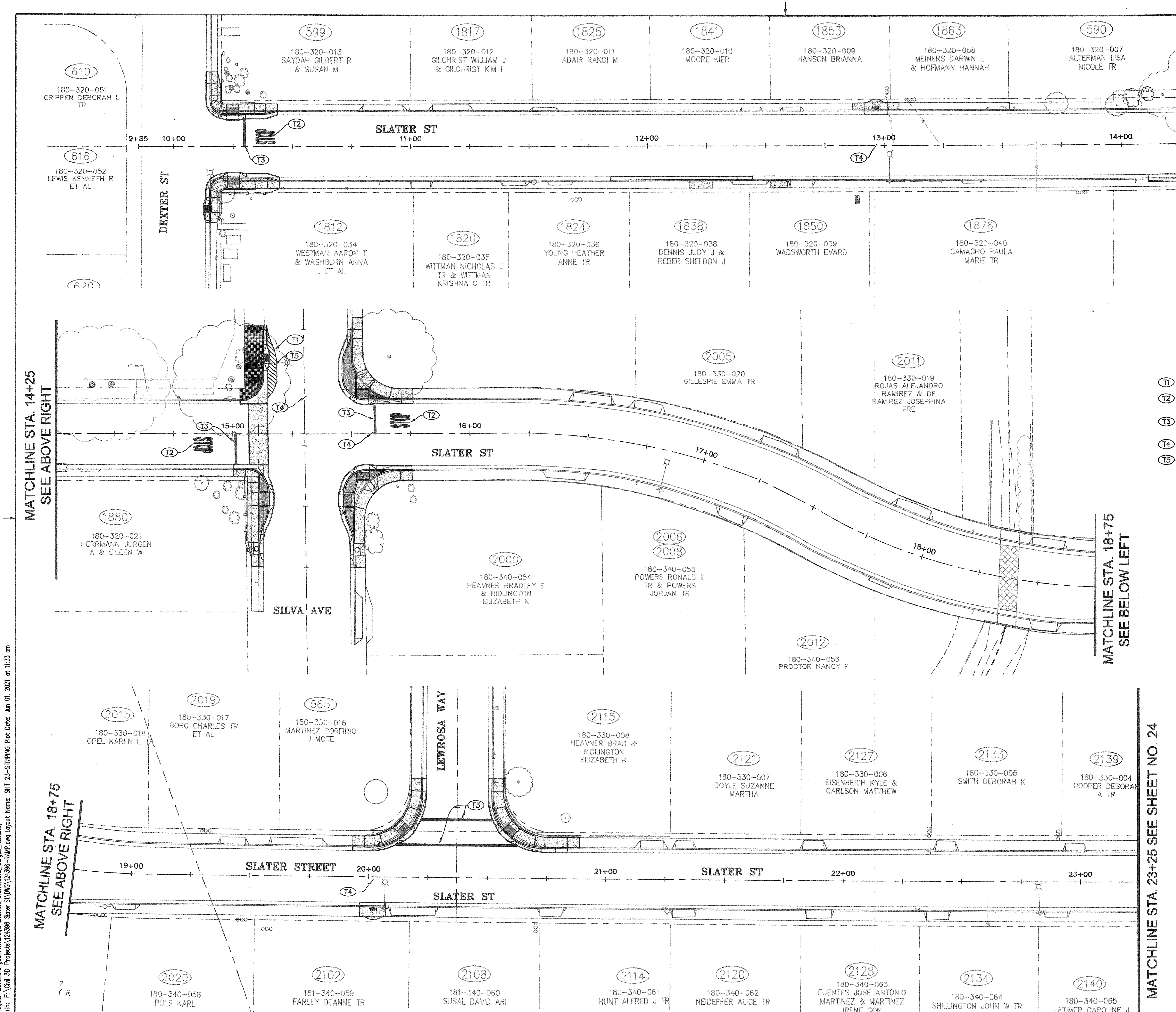
SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

LEWROSA WAY CROSS SECTIONS STA 50+50 TO STA 53+25

CONTRACT NO. C00189

SHEET 22 OF 25

FILE NO. 2021-0011



CONSTRUCTION NOTES:

- (T1) INSTALL 4" WHITE THERMOPLASTIC STRIPE
- (T2) INSTALL WHITE THERMOPLASTIC "STOP" LEGEND PER CALTRANS STD. PLAN A24D.
- (T3) INSTALL WHITE 12" THERMOPLASTIC CROSSWALK STRIPE/LIMIT LINE PER CALTRANS STD. PLAN A24E.
- (T4) INSTALL BLUE TWO-WAY RETROREFLECTIVE MARKER PER CITY STD 857.
- (T5) INSTALL 4" WHITE THERMOPLASTIC STRIPE 2' O.C.

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 inch = 20 ft.

REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

City of Santa Rosa

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707-571-8005

NO.	DATE	REVISION	BY

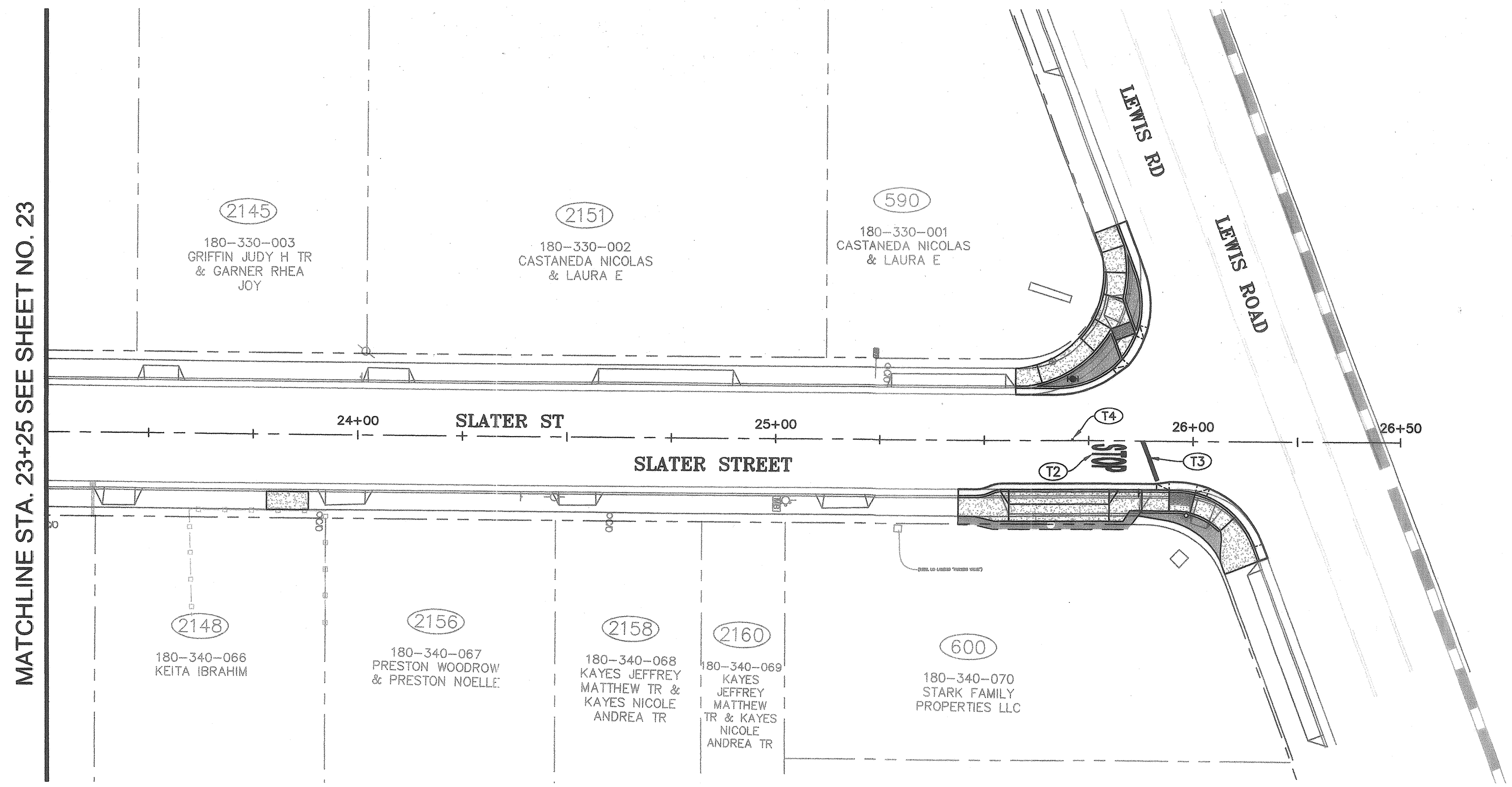
DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

SLATER STREET STRIPING PLAN

CONTRACT NO. C00189
SHEET 23 OF 25
FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg
Images: 2018_Merged_Aerial.tif;L_2083.tif;L_2181.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-RAMP.dwg Layout Name: SHT 23-STRIPING Plot Date: Jun 01, 2021 at 11:33 am



CONSTRUCTION NOTES:

T2 INSTALL WHITE THERMOPLASTIC "STOP" LEGEND PER CALTRANS STD. PLAN A24D.

T3 INSTALL WHITE 12" THERMOPLASTIC CROSSWALK STRIPE/LIMIT LINE PER CALTRANS STD. PLAN A24E.

T4 INSTALL BLUE TWO-WAY RETROREFLECTIVE MARKER PER CITY STD 857.

GRAPHIC SCALE

0 10 20 40

(IN FEET)
1 inch = 20 ft.

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
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REGISTERED PROFESSIONAL ENGINEER HEIDI E. UTTERBACK No. 53723 CIVIL STATE OF CALIFORNIA

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

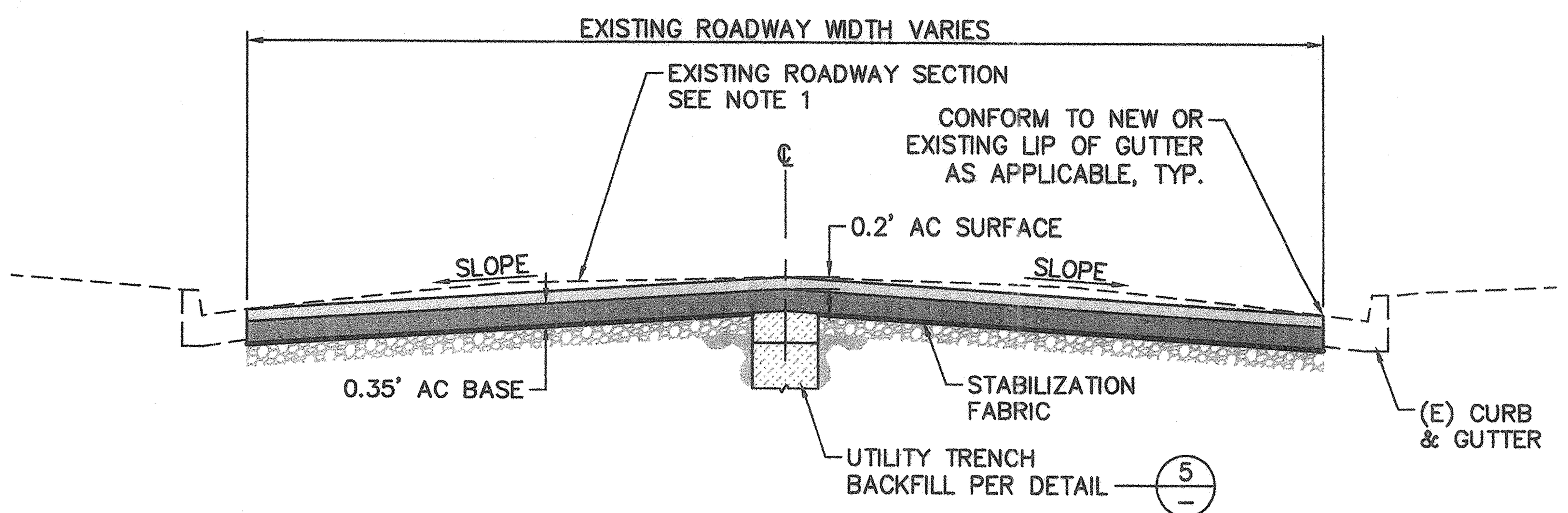
SLATER STREET
STRIPING PLAN

CONTRACT NO.
C00189

SHEET 24 OF 25

FILE NO. 2021-0011

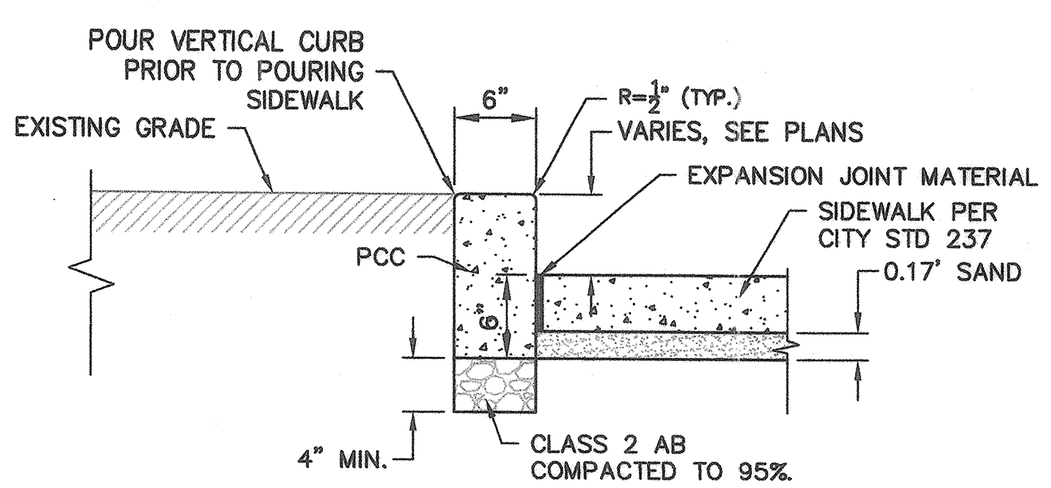
Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BM07.dwg;124396-SP.dwg
Images: 2018_Merged_Aerial.tif;L_208.tif;L_218.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-RAMP.dwg Layout Name: SHT 24-STRIPING Plot Date: Jun 01, 2021 at 11:34 am



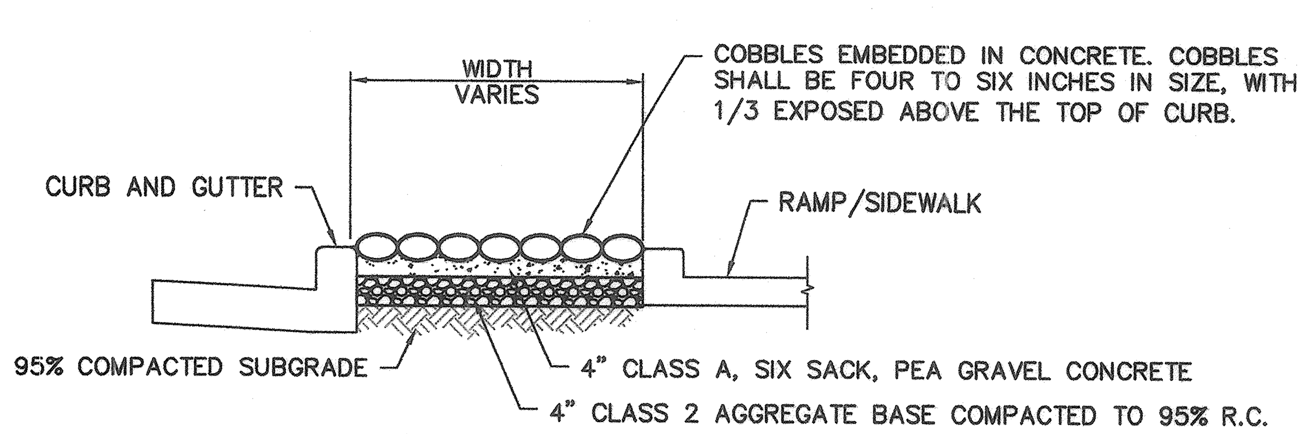
NOTES:

1. EXISTING ROADWAY CROSS SLOPE VARIES. CONTRACTOR SHALL PROVIDE A FINISHED CROSS SLOPE PER CROSS SECTIONS.
2. AC THICKNESS SHALL BE PLACED IN TWO LIFTS, 0.20' AC SURFACE OVER 0.35' AC BASE.
3. ROADWAY EXCAVATION SHALL BE PERFORMED WITH A PAVEMENT GRINDER. NO OTHER CONSTRUCTION EQUIPMENT WILL BE ALLOWED ON THE SUBGRADE UNLESS APPROVED BY THE ENGINEER.
4. THE ASPHALT CONCRETE BASE COURSE SHALL BE PLACED THE SAME DAY THAT AN AREA IS EXCAVATED SO THAT ALL AREAS OF THE STREET WILL HAVE EITHER THE EXISTING PAVEMENT SURFACE OR NEW ASPHALT CONCRETE BASE TO ACCOMMODATE OVERNIGHT TRAFFIC.
5. ROADWAY EXCAVATION AND ASPHALT CONCRETE BASE SHALL BE COMPLETED FOR HALF OF THE STREET WIDTH BEFORE BEGINNING EXCAVATION OF THE OPPOSITE SIDE OF THE STREET. TRUCKS OR CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED ON NEWLY PLACED ASPHALT CONCRETE BASE UNTIL THE FOLLOWING DAY.
6. THE ASPHALT CONCRETE BASE COURSE SHALL BE PLACED WITH A PAVING MACHINE. THE AC SHALL BE TRANSFERRED FROM TRUCKS TO THE HOPPER OF THE PAVING MACHINE BY MEANS OF A SHOULDER MACHINE EQUIPPED WITH A SIDE CASTER.

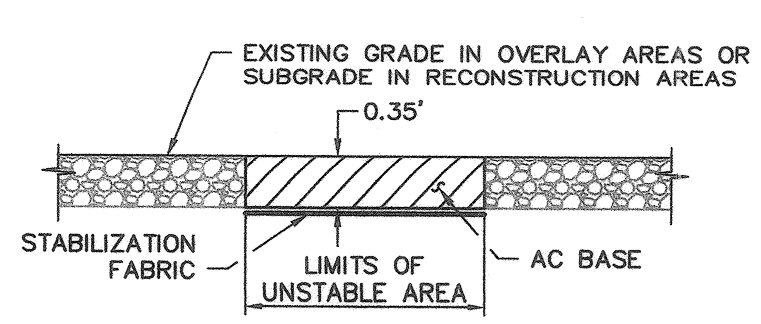
ROADWAY RESTORATION DETAIL (1/-)
NOT TO SCALE



VERTICAL CURB AT SIDEWALK DETAIL (2/-)
NOT TO SCALE



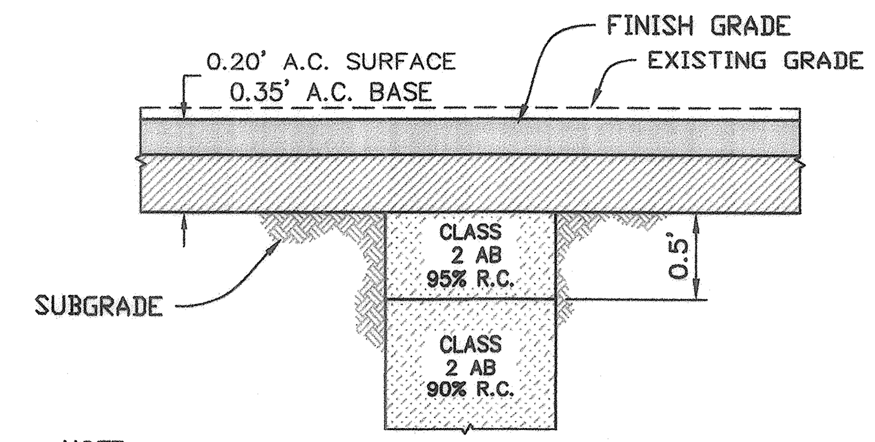
COBBLE NON-WALKABLE SURFACE DETAIL (3/-)
NOT TO SCALE



NOTES

1. SUBGRADE STABILIZATION/DIGOUTS ARE NOT SHOWN ON THE PLAN SHEET. EXACT LOCATIONS SHALL BE MARKED IN THE FIELD BY THE ENGINEER.
2. SUBGRADE STABILIZATION/DIGOUTS SHALL BE PERFORMED AFTER ROADWAY EXCAVATION IS COMPLETE AND PRIOR TO PLACING AC BASE AND STABILIZATION FABRIC.

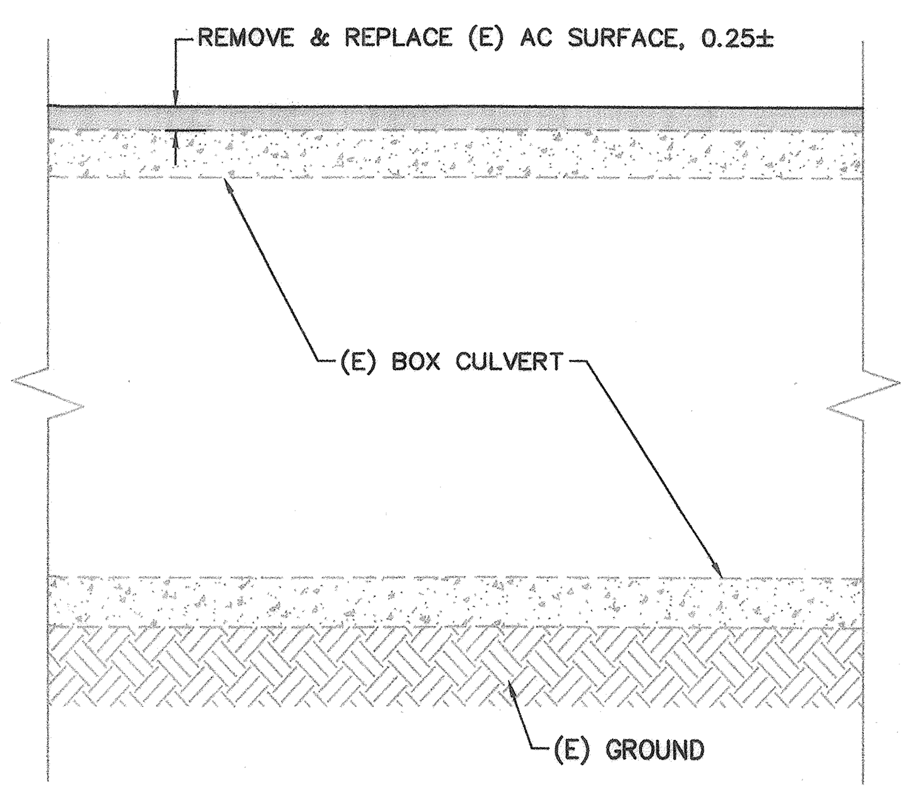
SUBGRADE STABILIZATION/DIGOUT (4/-)
NOT TO SCALE



NOTE:

1. TRENCH EXCAVATION AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CITY STD. 215 IN ALL OTHER WAYS.

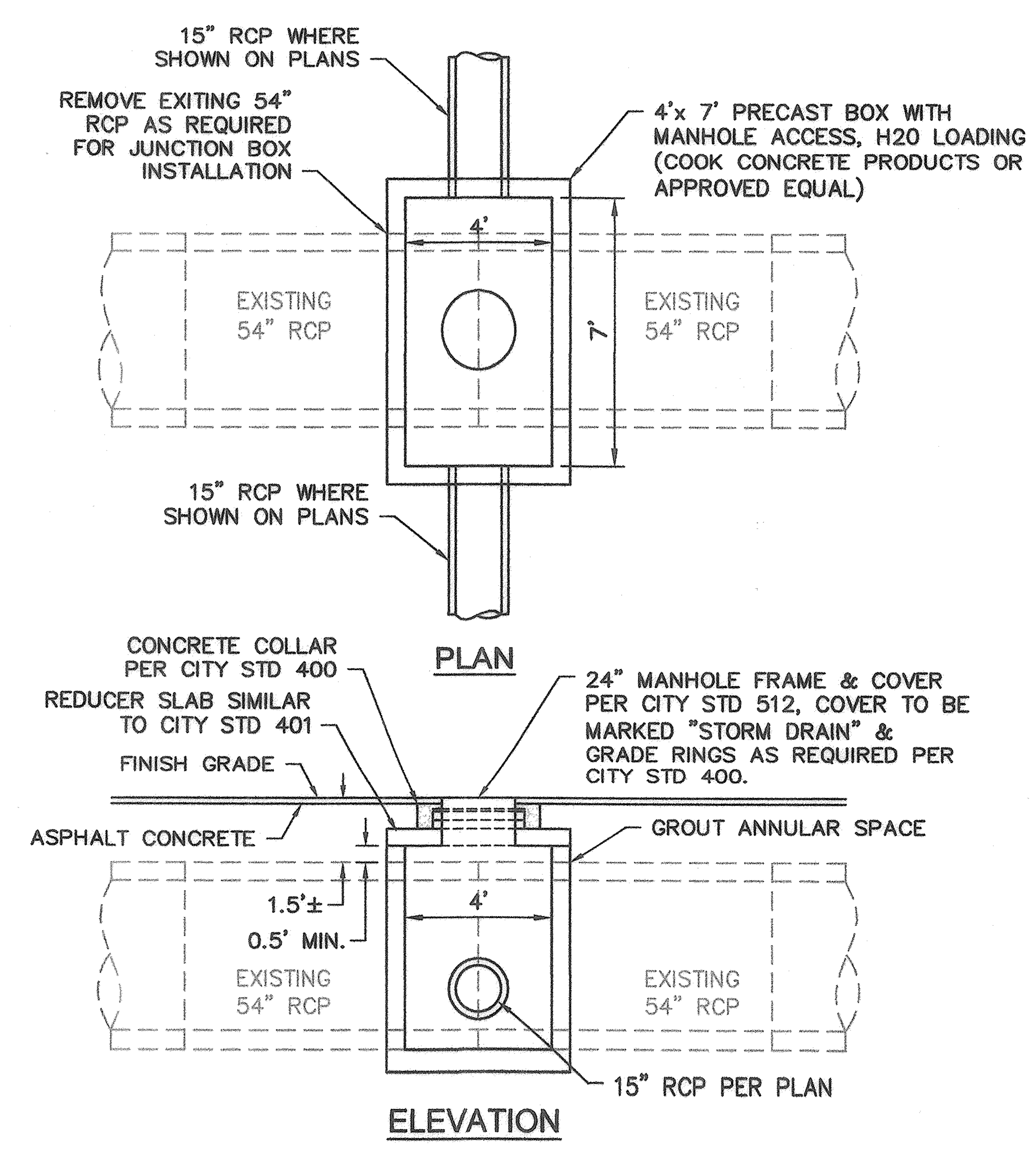
UTILITY TRENCH BACKFILL IN ROADWAY RECONSTRUCTION AREA DETAIL (5/-)
NOT TO SCALE



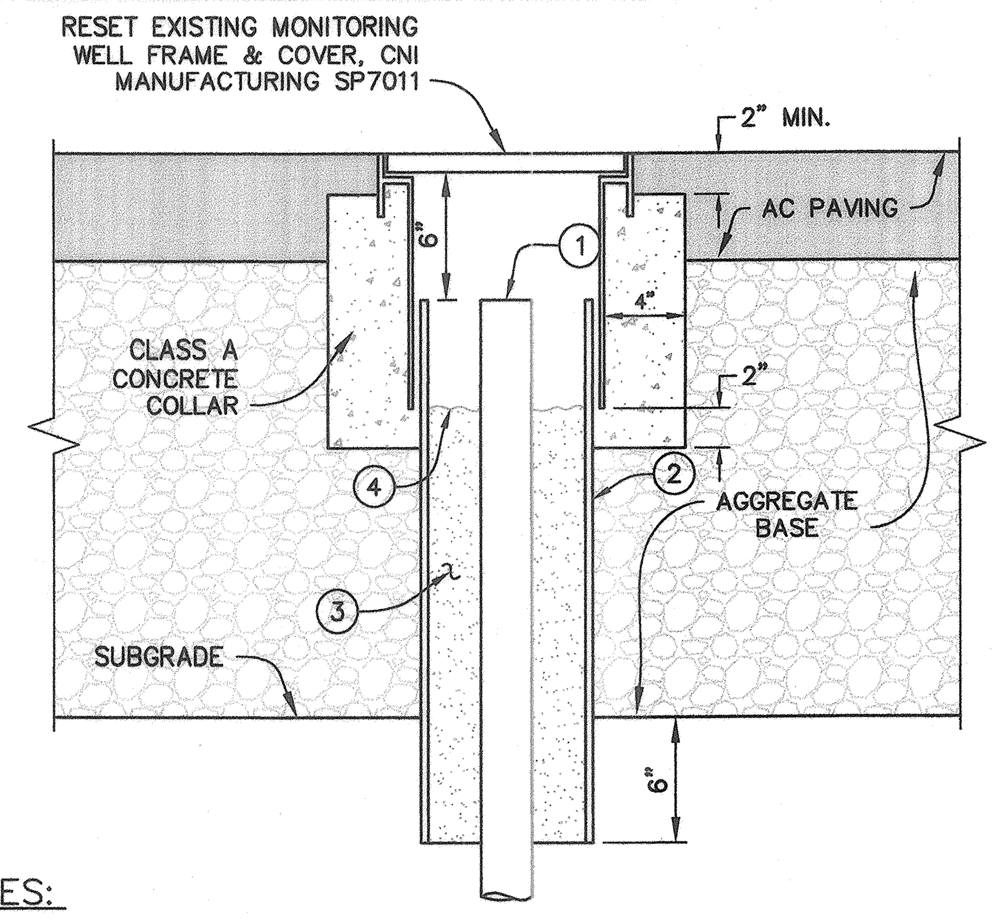
NOTES:

1. AC THICKNESS OF 0.25' CAN BE PLACED IN ONE LIFT.

ROADWAY PAVING @ POPPY CREEK CULVERT (6/-)
NOT TO SCALE



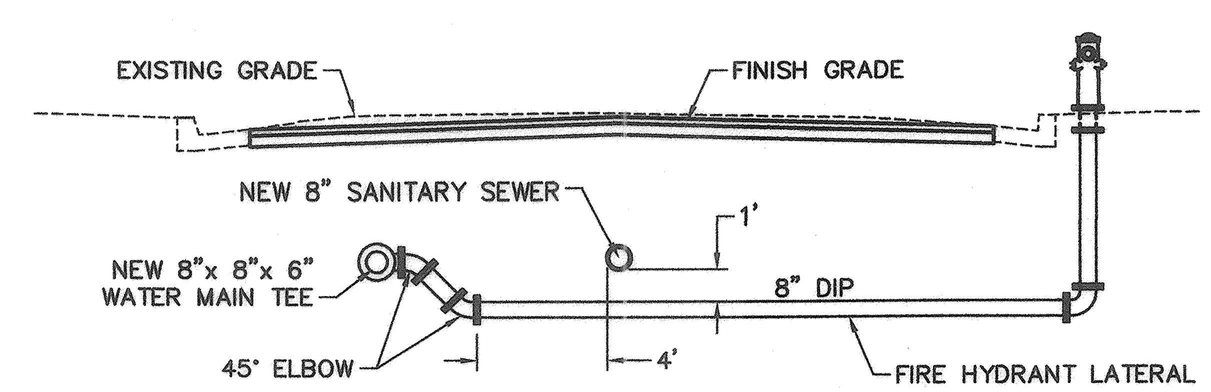
STORM DRAIN JUNCTION BOX DETAIL (7/-)
NOT TO SCALE



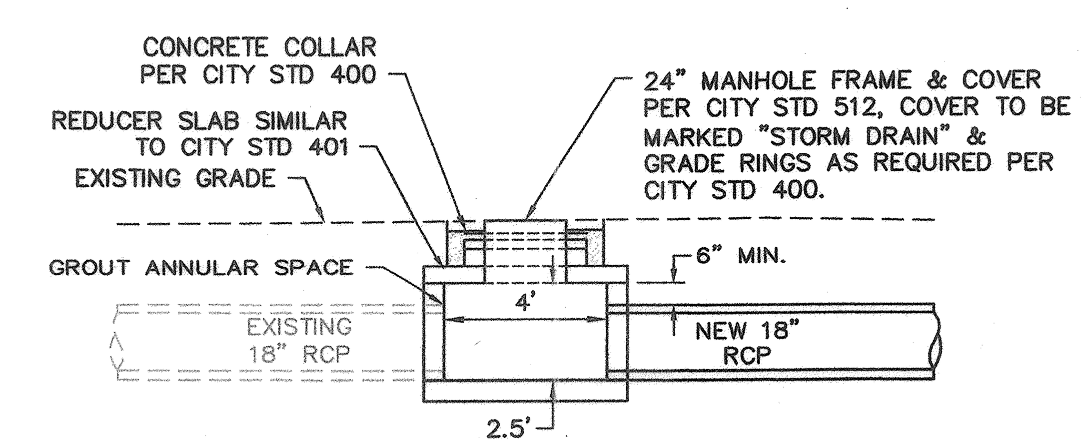
NOTES:

1. EXISTING PVC MONITORING WELL. ADJUST TO GRADE BY OR UNDER THE SUPERVISION OF OWNER, SEE SPECIFICATIONS.
2. 8" SDR35 PVC SEWER PIPE CONFORMING TO ASTM 3034. RISER SHALL BE A SINGLE PIECE OF PIPE. PLUMB AND CENTER OVER THE WELL.
3. CHIP BACK BENTONITE AND GROUT SEAL TO ALLOW ADJUSTMENT OF WELL AND ALLOW FOR THE INSTALLATION OF THE 8" PVC RISER.
4. FILL RISER WITH GROUT TO THE BOTTOM OF THE WELL FRAME AS SHOWN.

MONITORING WELL ADJUSTMENT DETAIL (8/-)
NOT TO SCALE



FIRE HYDRANT LATERAL LOWERING DETAIL (9/-)
NOT TO SCALE



STORM DRAIN MANHOLE WITH REDUCER SLAB DETAIL (10/-)
NOT TO SCALE

City of Santa Rosa

Coastland Civil Engineering, Inc.
1400 Neotomas Avenue
Santa Rosa, CA 95405
707-571-8005

NO.	DATE	REVISION	BY

DWN BY: WJK / PGC
CHK BY: HEU
DATE: JUNE 2021
SCALE: AS SHOWN

SLATER STREET & LEWROSA WAY
SEWER & WATER MAIN REPLACEMENT PROJECT

DETAILS

CONTRACT NO. C00189

FILE NO. 2021-0011

Xrefs: CSR-ENGINEERS STAMPS-PLAN-2016.dwg;124396-TP.dwg;BK07.dwg;124396-RAMP.dwg
Images: 2018_Merged_Aerial.tif;L_208.tif;L_218.tif;2018_Merged_Aerial.tif;
Path: F:\Civil 3D Projects\124396 Slater St\DWG\124396-SP.dwg Layout Name: SHT-25 DETAILS Plot Date: Jun 01, 2021 at 11:34 am