

COUNTY OF SAN MATEO CALIFORNIA

BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT

TOTAL PROJECT LENGTH, APPROXIMATELY 1.25 MILE(S)

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED MAY 2018 AND ADOPTED BY SAN MATEO COUNTY, FEBRUARY 11, 2020, BY RESOLUTION NO. 077277

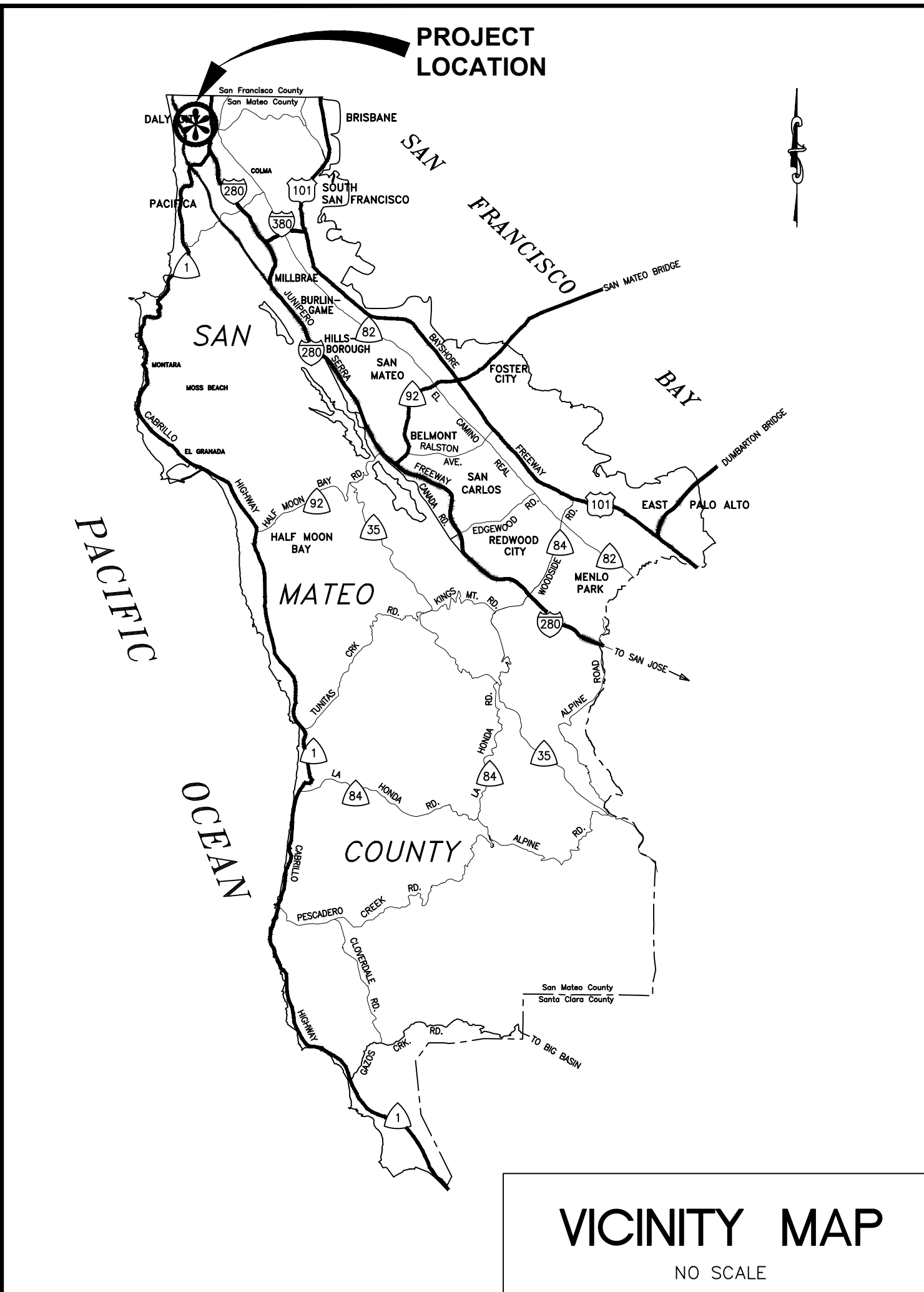
[COUNTY PROJECT NO. RW940, FEDERAL-AID PROJECT NO. STPL-5935 (087)]



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



VICINITY MAP

NO SCALE

APPLICABLE STANDARD PLANS:

A20A D72A ES-2B
A20B D72B ES-3C
A20D D72E ES-2D
A24A D77B ES-7A
A24C
A24D
A24F
A88A

LEGEND:

	SD STORM DRAIN LINE (EX)
	STORM DRAIN LINE (EX) PROFILE
	SS SANITARY SEWER LINE "ACTIVE"
	SANITARY SEWER LINE "ACTIVE" PROFILE
	W WATER LINE "ACTIVE"
	WATER LINE "ACTIVE" PROFILE
	W ACP WATER LINE (Abn)
	ACP WATER LINE (Abn) PROFILE
	G GAS LINE (Abn)
	GAS LINE (Abn) PROFILE
	G GAS LINE "ACTIVE"
	GAS LINE "ACTIVE" PROFILE
	COMMUNICATION LINE (EX)
	JOINT COMMUNICATION LINE (EX) PROFILE
	RIGHT OF WAY

	FIRE HYDRANT
	FIRE HYDRANT MARKERS
	MAILBOX
	SIGN
	MONUMENT
	BENCHMARK
	DRIVEWAY NUMBER
	HOUSE NUMBER ADDRESS
	DETAIL NUMBER AND SHEET
	EXISTING TREE
	FENCE / WALL
	CLASS 1 FLEXIBLE OBJECT MARKER
	NAIL AND WASHER
	(XXX.XX) = EXISTING ELEVATION
	XXX.XX = PROPOSED ELEVATION
	+0.00 = STATION
	(00.00) 00.00 = (EXIST ELE) PR ELE AT LIP OF GUTTER

	WATER METER
	WATER VALVE
	GAS VALVE
	JOINT UTILITY POLE
	TELEPHONE POLE
	GUY WIRE ANCHOR
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	SANITARY SEWER FLUSHING INLET
	STORM DRAIN MANHOLE
	UNDERDRAIN
	BUBBLE-UP BOX
	UNKNOWN MANHOLE

ABBREVIATIONS:

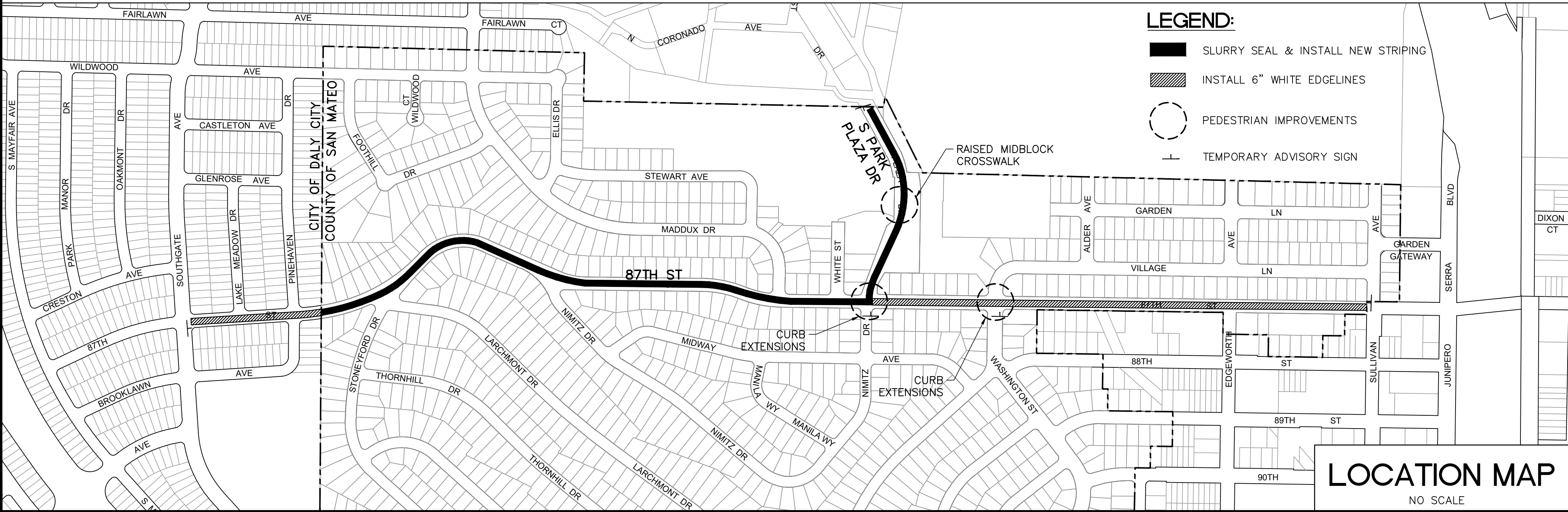
AB (CL.2)	AGGREGATE BASE (CLASS 2)
Abn	ABANDON
AC	ASPHALT CONCRETE
AVE	AVENUE
BC	BEGIN CURVE
BW	BACK OF WALK
CATV	CABLE TV
CONC	CONCRETE
C & G	CURB AND GUTTER
CL	CENTERLINE
CT	CALIFORNIA DEPARTMENT OF TRANSPORTATION
DI	DRAINAGE INLET, DROP INLET
DIP	DUCTILE IRON PIPE
D/W	DRIVEWAY
EL	ELEVATION
ETW	EDGE OF TRAVEL WAY
EP	EDGE OF PAVEMENT
EX, EXIST	EXISTING
FD	FOUND
FG	FINISHED GROUND
FH	FIRE HYDRANT
FL	FLOW LINE
G	GAS LINE
GB	GRADE BREAK
GV	GAS VALVE
ID	INSIDE DIAMETER
INV	INVERT
JP	JOINT UTILITY POLE
LG, LIP	LIP OF GUTTER
LN	LANE
LT, L	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MPH	MILES PER HOUR
N/S	NAIL & SHINER
O.G.	ORIGINAL GROUND, ON GRADE
PBMH	SBC/PAC BELL MANHOLE
PCC	PORTLAND CONCRETE CEMENT
PK	PARKER-KALON NAIL
PNT	POINT
PR	PROPOSED
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INFLECTION
RCP	REINFORCED CONCRETE PIPE
RRFB	RECTANGULAR RAPID FLASHING BEACON
RT, R	RIGHT
R/W, ROW	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SHT	SHEET
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
ST	STREET
STA	STATION
T	TELEPHONE
TC	TOP OF CURB
TD	TOP OF GRATE
TYP	TYPICAL
UD	UNDER DRAIN
UND	UNDERGROUND
UNK	UNKNOWN
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
WM	WATER METER
WM (#)	WATER METERS (QUANTITY)
WV	WATER VALVE
WV (#)	WATER VALVES (QUANTITY)
Ø	DIAMETER

NOTES:

- CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES WITHIN THE PROJECT LIMITS, CONSISTING OF ROAD RIGHT-OF-WAY, RIGHTS OF ENTRY AND/OR PROJECT CONFORMS, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTINUOUS DUST CONTROL SHALL BE PROVIDED AS REQUIRED BY SECTION 17 OF THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
- LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITIES TO DETERMINE EXACT LOCATIONS AND DEPTHS. CONTRACTOR SHALL CALL USA NORTH 811 (USA) UNDERGROUND SERVICE ALERT A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY EXCAVATION OR TRENCHING WORK. USA MAY BE CONTACTED EITHER ON-LINE AT USANORTH811.ORG OR BY PHONE BY DIALING (800) 227-2600 OR 811. WHEN CALLING, BE PREPARED TO GIVE LOCATION AND NATURE OF WORK, START DATE, COMPANY NAME, ADDRESS AND TELEPHONE NUMBER.
- PLANS MAY NOT SHOW ALL EXISTING WATER, GAS OR SANITARY SEWER LATERALS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND PRESERVATION OF ALL SUCH FACILITIES WHICH ARE NOT TO BE RELOCATED.
- CONTRACTOR IS ADVISED THAT EXCAVATION MAY CONFLICT WITH SANITARY SEWER LATERALS, GAS LINES, WATER LINES AND OTHER UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- NO TREES, VEGETATION OR IMPROVEMENTS (INCLUDING FENCES) SHALL BE REMOVED WITHOUT THE PRIOR WRITTEN CONSENT AND APPROVAL OF THE ENGINEER. VEGETATION AND IMPROVEMENTS WHICH ARE DESIGNATED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REFER TO PROJECT SPECIAL PROVISIONS SECTION 17 REGARDING REQUIREMENTS FOR ADVANCE NOTIFICATION OF PROPERTY OWNERS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 5-1.07 OF THE STANDARD SPECIFICATIONS. THE SURVEY AND ASSOCIATED STAKING SHALL BE IN CONFORMANCE WITH SECTION 100, CONSTRUCTION STAKING AND LAYOUT OF THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING NEAR TREES AND ROOTS OF TREES TO REMAIN. SEE SECTION 19 OF THE SPECIAL PROVISIONS.
- ANY DAMAGE, AS A RESULT OF THE CONTRACTOR'S OPERATION, TO PAVEMENT AND BASE MATERIAL THAT IS TO REMAIN SHALL BE REPAIRED, OR REMOVED AND REPLACED WITH SAME TYPE OF MATERIAL OR APPROVED EQUAL, AS DIRECTED BY THE ENGINEER, AND AT THE SOLE EXPENSE OF THE CONTRACTOR. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE ADEQUACY OF THE COMPLETED REMEDIAL WORK.

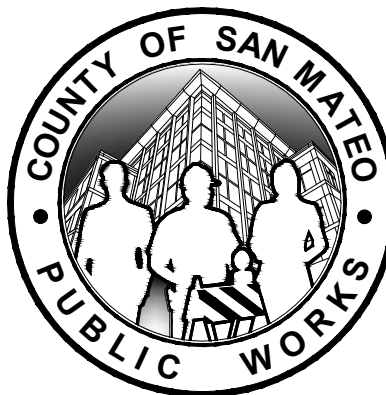
SHEET INDEX:

- TITLE SHEET
- LAYOUT - S. PARK PLAZA DRIVE
- LAYOUT - 87TH STREET
- 6. INTERSECTION DETAILS
- DRAINAGE PLAN
- DRAINAGE PROFILES
- 10. CONSTRUCTION DETAILS
- 12. TRAFFIC AND SIGNAL PLAN - S. PARK PLAZA DR AND 87TH ST
- 14. TRAFFIC AND SIGNAL PLAN - WASHINGTON ST AND 87TH ST
- 17. SURFACE TREATMENT, SIGNING, AND STRIPING PLAN
- SURVEY CONTROL SHEET



LOCATION MAP

NO SCALE



DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT	SCALE: AS SHOWN
CHECKED BY: WN		DATE: 07-29-2022
DRAWN BY: AZ		FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		1 SHEET 1 OF 18



APPROVED: _____
DATE: 07/29/2022
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DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND:

- YELLOW TRUNCATED DOMES
- ASPHALT CONCRETE RAISED MIDBLOCK CROSSWALK
- PCC
- 3" AC (TYPE A)
6" CL2 AB

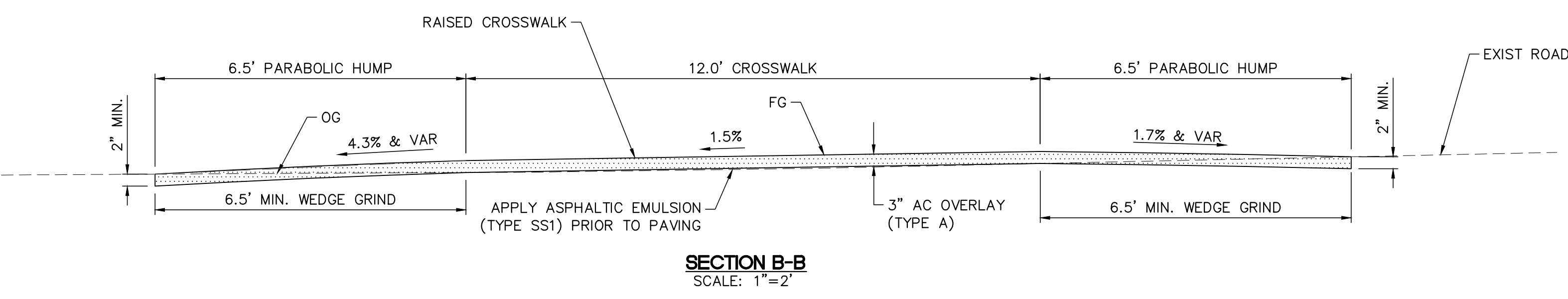
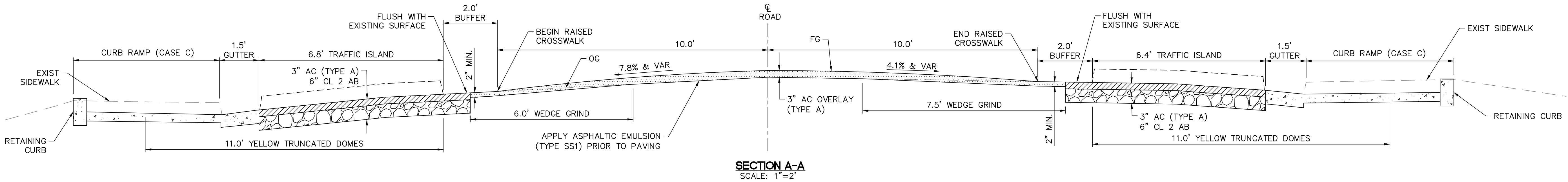
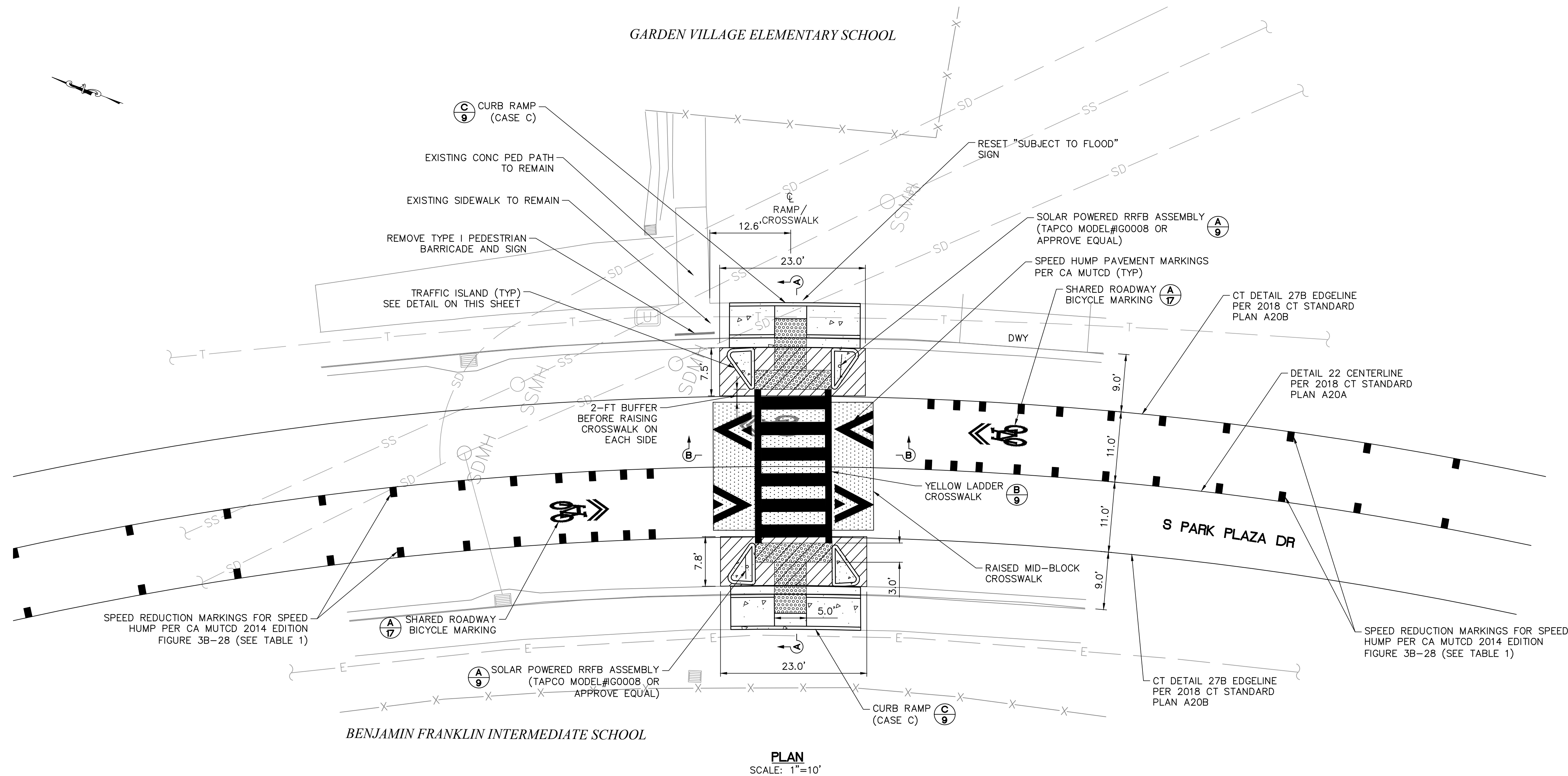
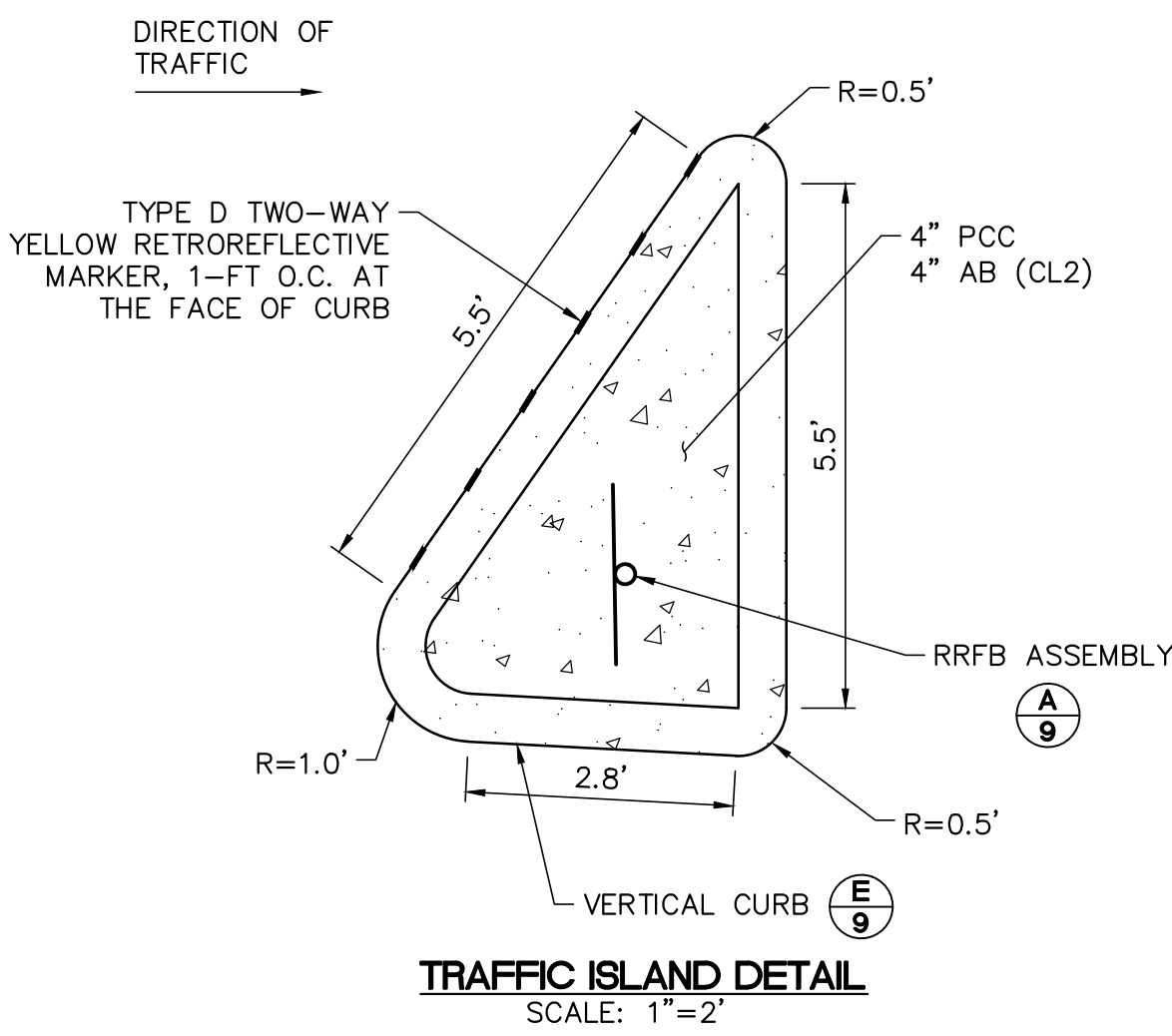
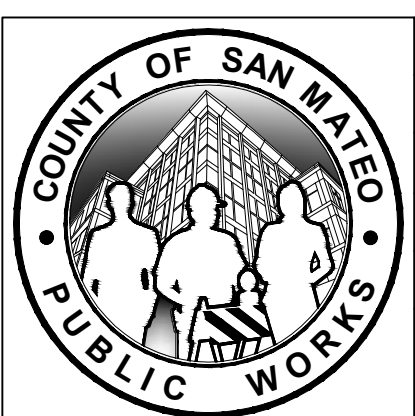


TABLE 1 - SPEED REDUCTION MARKING SPACINGS	
1	4'-0"
2	5'-0"
3	5'-0"
4	6'-0"
5	6'-0"
6	8'-0"
7	8'-0"
8	11'-0"
9	11'-0"
10	15'-0"
11	15'-0"
12	18'-0"
13	18'-0"
14	27'-0"
15	27'-0"
16	27'-0"
17	49'-0"



DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT LAYOUT - S. PARK PLAZA DRIVE	SCALE: AS SHOWN
CHECKED BY: WN		DATE: 07-29-2022
DRAWN BY: AZ	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	FILE NO.: 1/5050
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		2 SHEET 2 OF 18

NOTES:

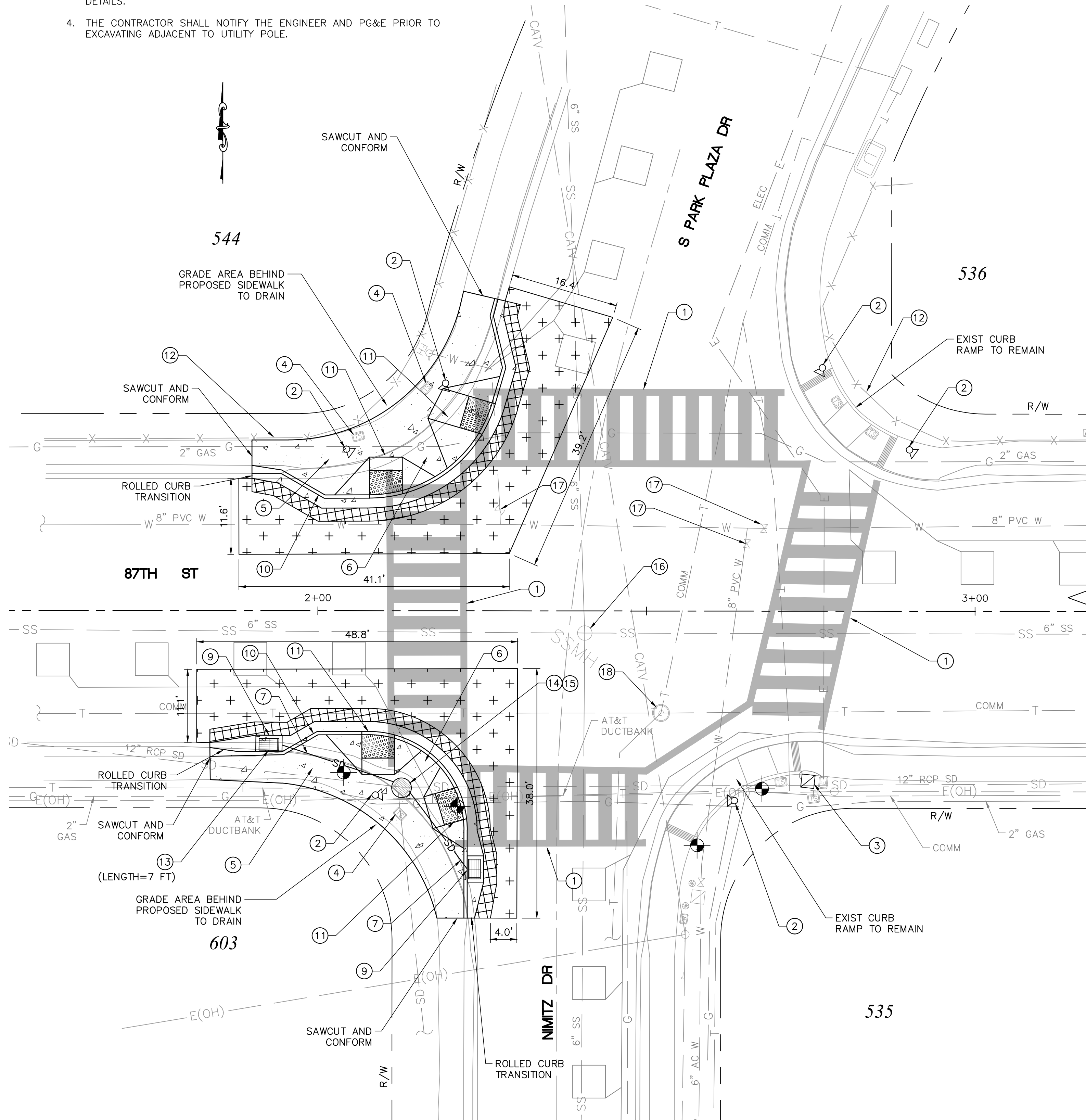
1. SEE SHEET NOS. 11 TO 14 FOR TRAFFIC SIGNAL SYSTEMS AND DETAILS.
2. SEE SHEET NOS. 4 TO 6 FOR FINAL LOCATIONS OF TRAFFIC SIGNAL POLES AND POTHOLE DATA.
3. SEE SHEET NOS. 15 TO 17 FOR PAVEMENT STRIPING AND MARKING DETAILS.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND PG&E PRIOR TO EXCAVATING ADJACENT TO UTILITY POLE.



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



PLAN
SCALE: 1"=10'

LEGEND:

(THIS SHEET ONLY)

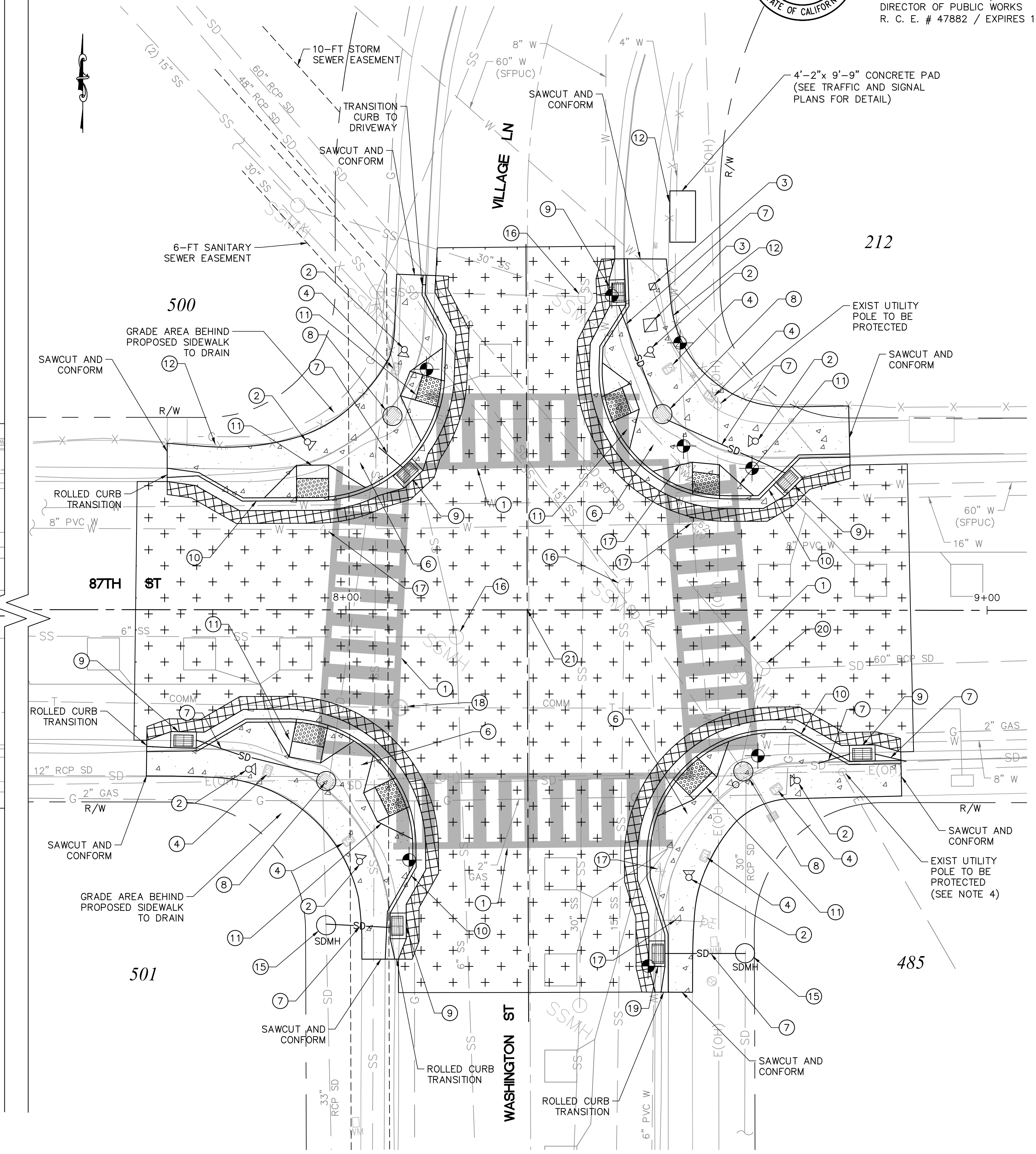
- 1 REMOVE AND REPLACE YELLOW LADDER CROSSWALK
- 2 REMOVE AND REPLACE TRAFFIC SIGNAL AND FOUNDATION
- 3 REMOVE AND REPLACE TRAFFIC SIGNAL CABINET
- 4 REMOVE AND REPLACE TRAFFIC SIGNAL BOX
- 5 REMOVE EXIST CONC SIDEWALK, CURB, AND GUTTER
- 6 REMOVE EXIST ASPHALT CONCRETE PAVEMENT
- 7 INSTALL HDPE STORM DRAIN PIPE

- 8 MODIFY DRAINAGE INLET
- 9 INSTALL TYPE GO INLET
- 10 INSTALL CONC SIDEWALK AND CURB EXTENSION WITH CONCRETE GUTTER
- 11 INSTALL CONC CURB RAMP (CASE A)
- 12 REMOVE AND REPLACE WOODEN FENCE (PORTION)
- 13 INSTALL TYPE GOL INLET
- 14 REMOVE DRAINAGE INLET

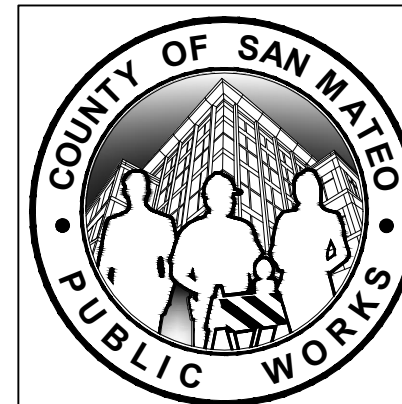
- 15 INSTALL SD MANHOLE
- 16 NORTH SAN MATEO COUNTY SANITATION DISTRICT SANITARY SEWER MANHOLE COVER ADJUSTMENT TO GRADE
- 17 CALIFORNIA WATER SERVICE COMPANY WATER VALVE COVER ADJUSTMENT TO GRADE
- 18 AT&T TELECOMMUNICATION MANHOLE COVER ADJUSTMENT TO GRADE (BY AT&T)
- 19 INSTALL TYPE G1 INLET
- 20 STORM DRAIN MANHOLE COVER ADJUSTMENT TO GRADE

- 21 ADJUST MONUMENT TO GRADE

- 24" WIDE AC PLUG
(3" MIN. AC OVER CL2 AB)
- GRIND AND OVERLAY 3" AC
- POTHOLE LOCATION



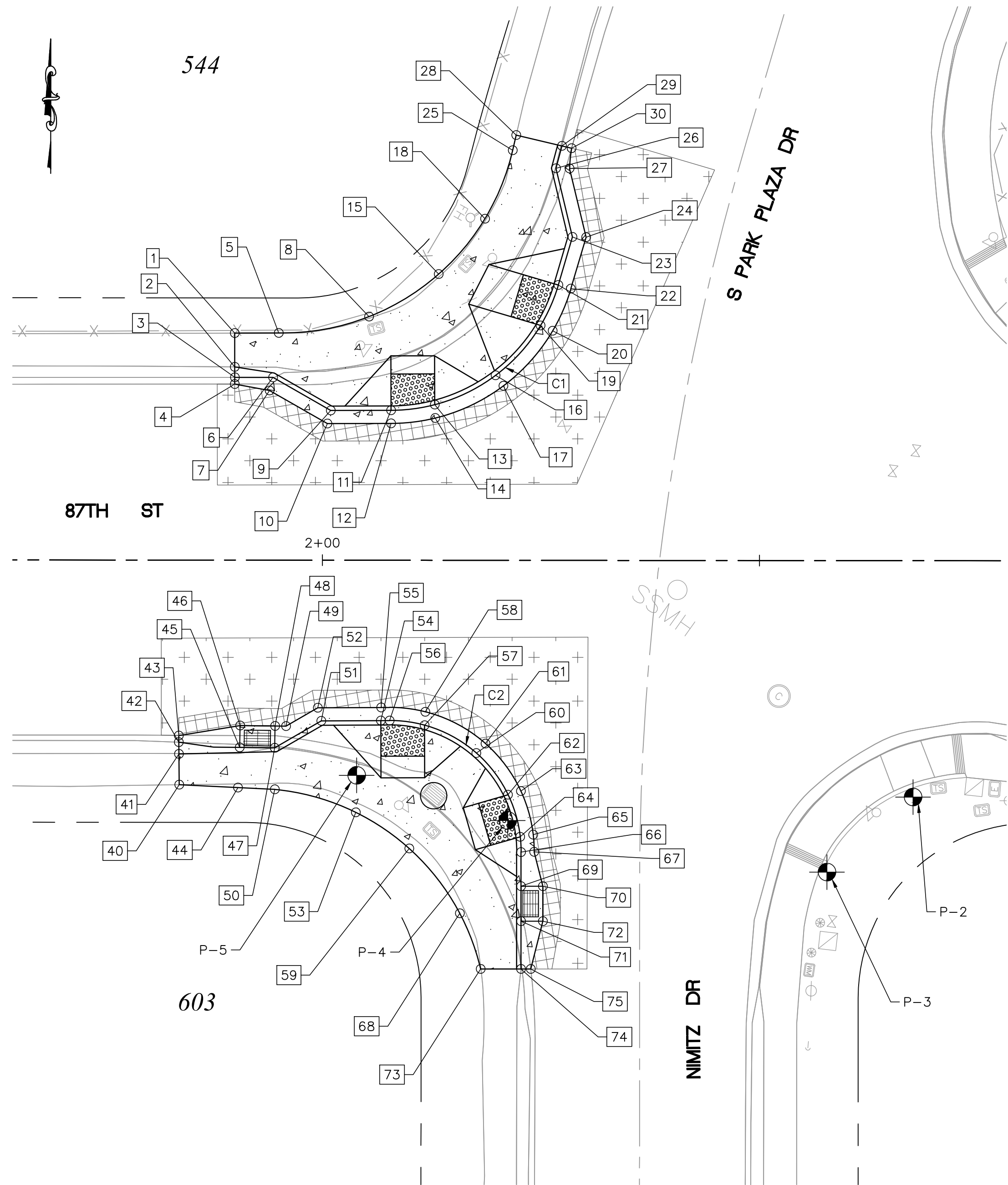
PLAN
SCALE: 1"=10'



		DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT LAYOUT - 87TH STREET	SCALE: AS SHOWN
		CHECKED BY: WN		DATE: 07-29-2022
		DRAWN BY: AZ		FILE NO.: 1/5050
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			0 1 2 3 4	3 SHEET 3 OF 18

NOTES:

1. THE FACE OF CURB AT ANGLE POINTS SHALL BE ROUNDED TO A MIN. 5' RADIUS, EXCEPT AT LOCATIONS ADJACENT TO DRAINAGE INLETS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO LAYING OUT THE CONCRETE FORM WORKS.



87TH ST AND S PARK PLAZA DR
INTERSECTION DETAIL
SCALE: 1"=10'

NO.	LOCATION		ELEVATION	REMARK
	STATION	OFFSET		
1	1+89.95	25.97' L	(1001.17)	BW CONFORM
2	1+89.96	22.11' L	(1001.06)	TOP OF BACK OF CURB CONFORM
3	1+89.97	20.91' L	(1000.75)	FL CONFORM
4	1+89.96	20.14' L	(1000.8)	LG CONFORM
5	1+94.98	25.99' L	1000.89	BW
6	1+94.34	20.91' L	1000.51/1000.93	FL/TC
7	1+93.94	19.41' L	1000.62	LG
8	2+05.31	27.86' L	1000.44	BW
9	2+00.95	17.13' L	1000.66/1000.25	FL/TC
10	2+00.55	15.63' L	1000.38	LG
11	2+07.84	17.15' L	1000.12	FL BC
12	2+07.85	15.65' L	1000.24	LG
13	2+12.84	17.80' L	1000.02	FL
14	2+12.89	16.27' L	1000.15	LG
15	2+13.28	32.74' L	999.88	BW
16	2+19.78	21.16' L	999.50/999.74	FL/TC
17	2+20.68	19.96' L	999.61	LG
18	2+18.57	39.08' L	999.22	BW
19	2+24.93	26.87' L	998.97	FL
20	2+26.50	26.59' L	999.05	LG
21	2+26.96	31.50' L	998.87	FL EC
22	2+28.40	31.08' L	998.94	LG
23	2+28.58	37.01' L	998.45/998.86	FL/TC
24	2+30.13	36.97' L	998.53	LG
25	2+21.73	46.91' L	998.59	BW
26	2+26.68	44.86' L	998.05/998.53	FL/TC
27	2+28.23	44.83' L	998.17	LG
28	2+22.13	48.65' L	(998.46)	BW CONFORM
29	2+27.37	47.42' L	(997.90/998.24)	FL/TC CONFORM
30	2+28.47	47.16' L	(997.99)	LG CONFORM

CURVE TABLE			
CURVE NO.	LENGTH (FT)	RADIUS (FT)	DELTA
C1	25.62	20.00	73°23'34.7"
C2	23.61	15.00	90°10'37.0"

POTHOLE DATA					
NO.	STATION	OFFSET	DEPTH (IN)	UTILITY/OWNER	REMARK
P-2	2+67.60	27.04' R	13	2" STEEL GAS (PG&E)	SHALLOW GAS LINE
			24	4" PVC UNKNOWN	POSSIBLY COMM CONDUIT
			73	12" RCP SD	
P-3	2+57.74	35.64' R	31	2" STEEL GAS (PG&E)	
			33	6" AC WATER (CALWATER)	
			33	2" STEEL GAS (PG&E)	
P-4	2+21.22	29.77' R	40	2" STEEL	POSSIBLY STREET LIGHT
			56	UNKNOWN	POSSIBLY STORM DRAIN; COMM DUCTBANK WAS NOT FOUND.
P-5	2+03.94	24.60' R	44	12" RCP SD	

NO.	LOCATION		ELEVATION	REMARK
	STATION	OFFSET		
40	1+83.65	25.70' R	(1001.40)	BW CONFORM
41	1+83.61	22.17' R	(1001.30)	TOP BACK OF CURB CONFORM
42	1+83.59	20.83' R	(1000.91)	FL CONFORM
43	1+83.58	20.07' R	(1000.97)	LG CONFORM
44	1+90.36	26.03' R	1001.04	BW
45	1+90.56	21.43' R	1000.40/1000.95	FL/TC INLET
46	1+90.60	18.93' R	1000.60	LG
47	1+94.56	21.48' R	1000.20/1000.77	FL/TC INLET
48	1+94.60	18.98' R	1000.40	LG
49	1+95.85	18.99' R	1000.36	LG
50	1+94.57	26.23' R	1000.84	BW
51	1+99.89	18.38' R	1000.31/1000.64	FL/TC
52	1+99.48	16.88' R	1000.41	LG
53	2+03.87	28.86' R	1000.51	BW
54	2+06.71	18.35' R	1000.02	FL, CURB RAMP
55	2+06.73	16.85' R	1000.14	LG
56	2+07.70	18.35' R	1000.00	FL, BC
57	2+11.71	18.88' R	999.92	FL, CURB RAMP
58	2+11.78	17.35' R	1000.04	LG
59	2+09.96	32.97' R	1000.31	BW
60	2+17.62	22.05' R	999.84/1000.17	FL/TC
61	2+18.67	20.97' R	1000.00	LG
62	2+21.25	26.81' R	999.76	FL, CURB RAMP
63	2+22.72	26.40' R	999.88	LG
64	2+22.65	31.62' R	999.70	FL, CURB RAMP
65	2+24.13	31.38' R	999.82	LG
66	2+22.75	33.38' R	999.67	FL, EC
67	2+24.25	33.34' R	999.79	LG
68	2+15.75	40.38' R	1000.14	BW
69	2+22.75	37.27' R	999.60/1000.02	FL/TC INLET
70	2+25.25	37.28' R	999.74	LG
71	2+22.75	41.27' R	999.61/1000.04	FL/TC INLET
72	2+25.25	41.28' R	999.68	LG
73	2+18.14	46.75' R	(1000.19)	BW CONFORM
74	2+22.76	46.75' R	(999.64/1000.03)	FL/TC CONFORM
75	2+23.88	46.75' R	(999.75)	LG CONFORM

LEGEND:



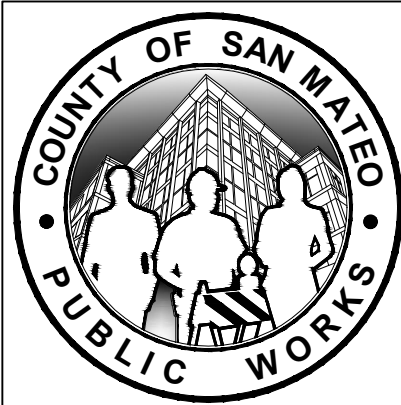
POTHOLE LOCATION



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT INTERSECTION DETAILS 1 OF 3	SCALE: AS SHOWN
CHECKED BY: WN		DATE: 07-29-2022
DRAWN BY: AZ	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
		0 1 2 3 4
		4 SHEET 4 OF 18



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES:

1. THE FACE OF CURB AT ANGLE POINTS SHALL BE ROUNDED TO A MIN. 5' RADIUS, EXCEPT AT LOCATIONS ADJACENT TO DRAINAGE INLETS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO LAYING OUT THE CONCRETE FORM WORKS.

NO.	LOCATION		ELEVATION	REMARK
	STATION	OFFSET		
1	7+72.01	26.04' L	(967.83)	BW CONFORM
2	7+72.10	22.08' L	(967.84)	TOP BACK OF CURB CONFORM
3	7+72.10	20.64' L	(967.55)	FL CONFORM
4	7+72.10	19.99' L	(967.61)	LG CONFORM
5	7+77.75	25.50' L	967.79	BW
6	7+76.91	20.89' L	967.47/967.80	FL/TC
7	7+76.55	19.37' L	967.51	LG
8	7+83.92	25.45' L	967.75	BW
9	7+83.81	16.95' L	967.35/967.68	FL/TC
10	7+83.41	15.45' L	967.48	LG
11	7+92.19	26.87' L	967.70	BW
12	7+92.28	17.00' L	967.22	FL, CURB RAMP
13	7+92.30	15.50' L	967.35	LG
14	7+95.46	17.01' L	967.17	FL, BC
15	7+97.29	17.11' L	967.14	FL, CURB RAMP
16	7+97.43	15.61' L	967.27	LG
17	8+05.02	17.81' L	967.15	LG
18	8+00.03	31.09' L	967.65	BW
19	8+07.24	20.92' L	966.98/967.48	FL/TC, INLET
20	8+09.08	19.03' L	967.18	LG
21	8+04.30	35.58' L	967.58	BW
22	8+10.20	23.61' L	967.00/967.48	FL/TC, INET
23	8+11.99	21.77' L	967.18	LG
24	8+12.82	24.46' L	967.12	LG
25	8+14.62	31.63' L	967.03	FL, CURB RAMP
26	8+16.06	31.21' L	967.14	LG
27	8+15.32	35.73' L	967.04	FL, CURB RAMP
28	8+16.79	35.29' L	967.16	LG
29	8+15.34	36.20' L	967.05	FL, EC
30	8+06.79	39.54' L	967.55	BW
31	8+07.58	44.38' L	967.54	BW
32	8+15.62	42.97' L	967.08/967.41	FL/TC
33	8+17.13	43.31' L	967.20	LG
34	8+12.32	49.26' L	967.12/967.55	FL/TC
35	8+13.84	49.59' L	967.15	LG
36	8+07.81	52.47' L	(967.6)	BW CONFORM
37	8+12.40	50.72' L	967.12/967.55	FL/TC, DWY TRANSITION
38	8+13.98	52.17' L	(967.18)	LG CONFORM
39	8+12.48	52.22' L	(967.12/967.37)	FL/DWY CONFORM

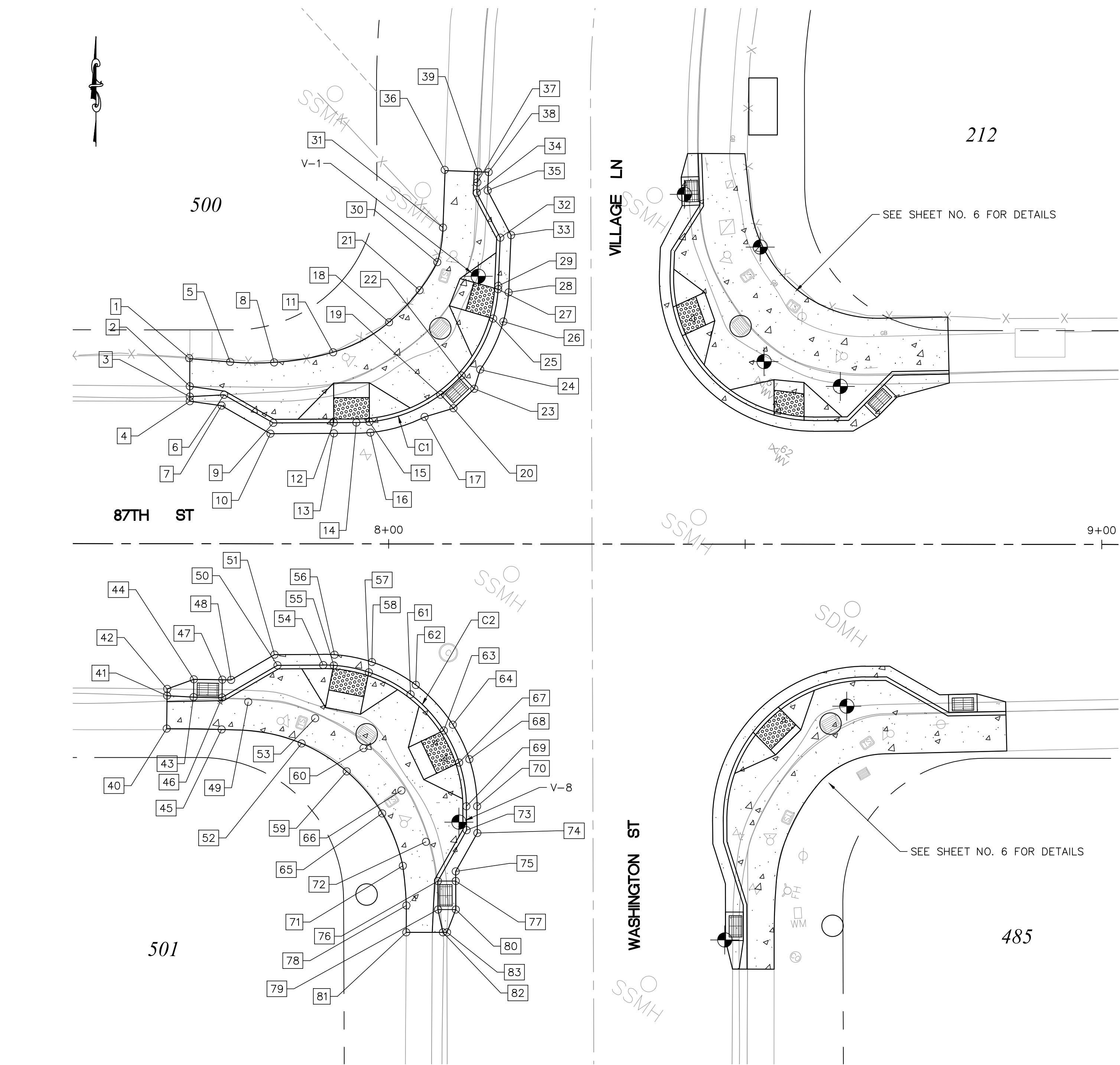
CURVE TABLE			
CURVE NO.	LENGTH (FT)	RADIUS (FT)	DELTA
C1	30.50	20.00	87°22'39.7"
C2	31.33	20.00	89°45'03.8"

POTHOLE DATA					
NO.	STATION	OFFSET	DEPTH (IN)	UTILITY/OWNER	REMARK
V-1	8+12.53	37.55' L	27	2" CONDUIT	POSSIBLY TRAFFIC SIGNAL FROM SOUTHWEST TO NORTHEAST
V-8	8+09.88	39.02' R	39	2" STEEL GAS	

LEGEND:

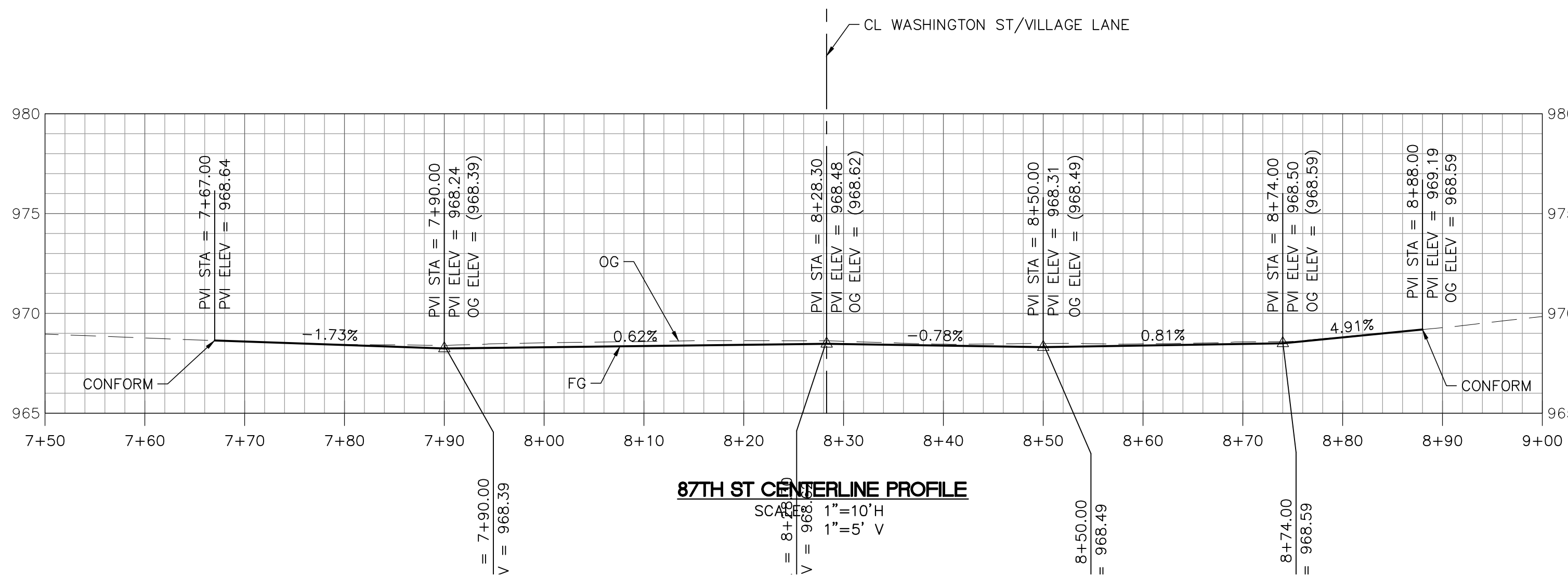


POTHOLE LOCATION



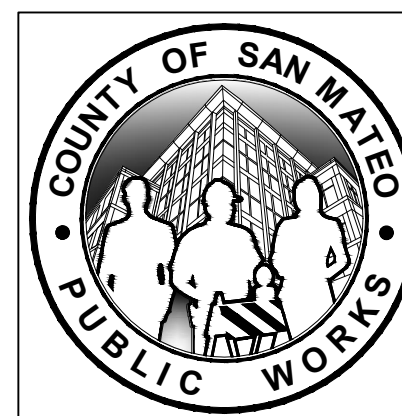
87TH ST AND WASHINGTON ST
INTERSECTION DETAIL

SCALE: 1"=10'

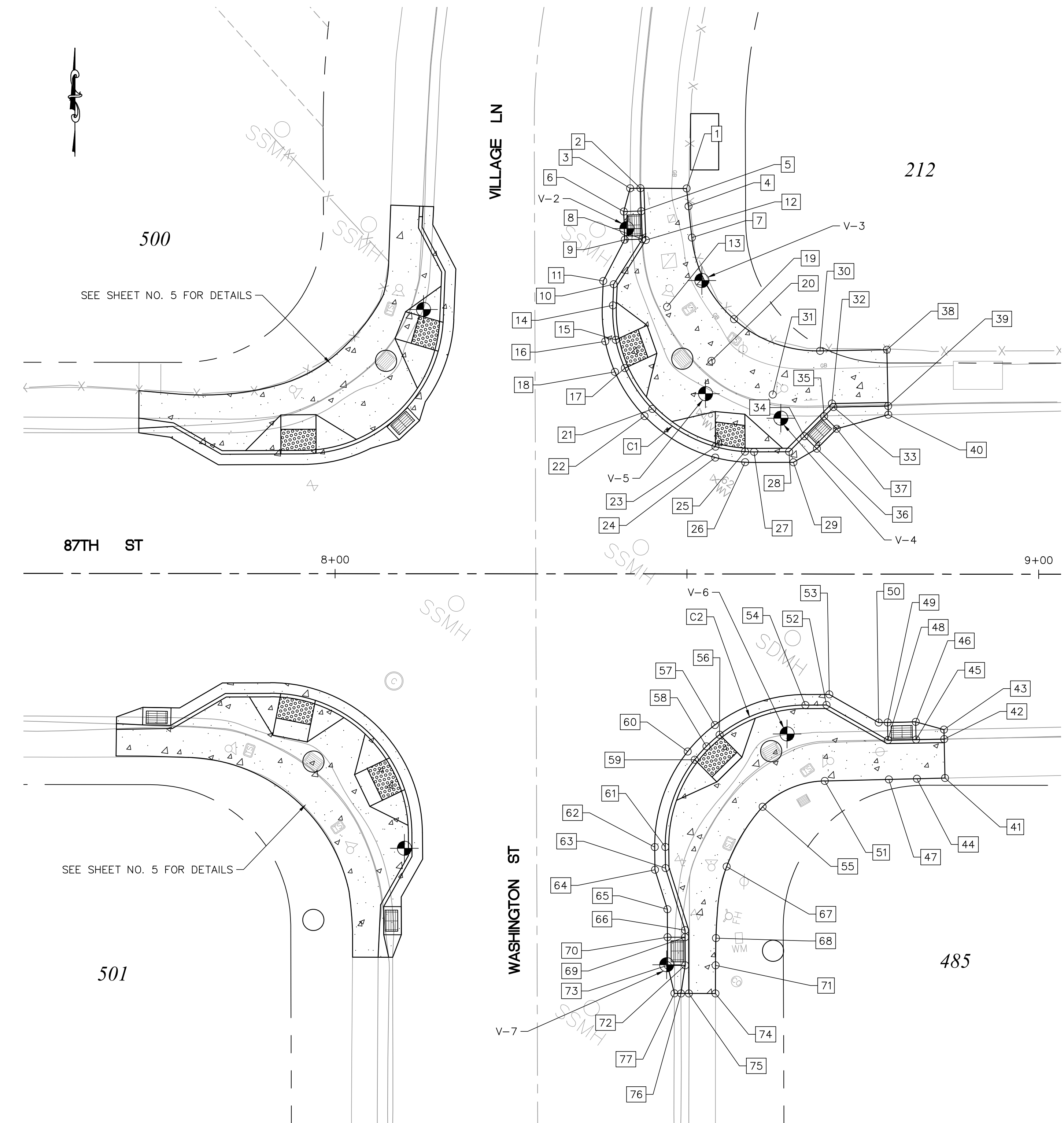


87TH ST CENTERLINE PROFILE

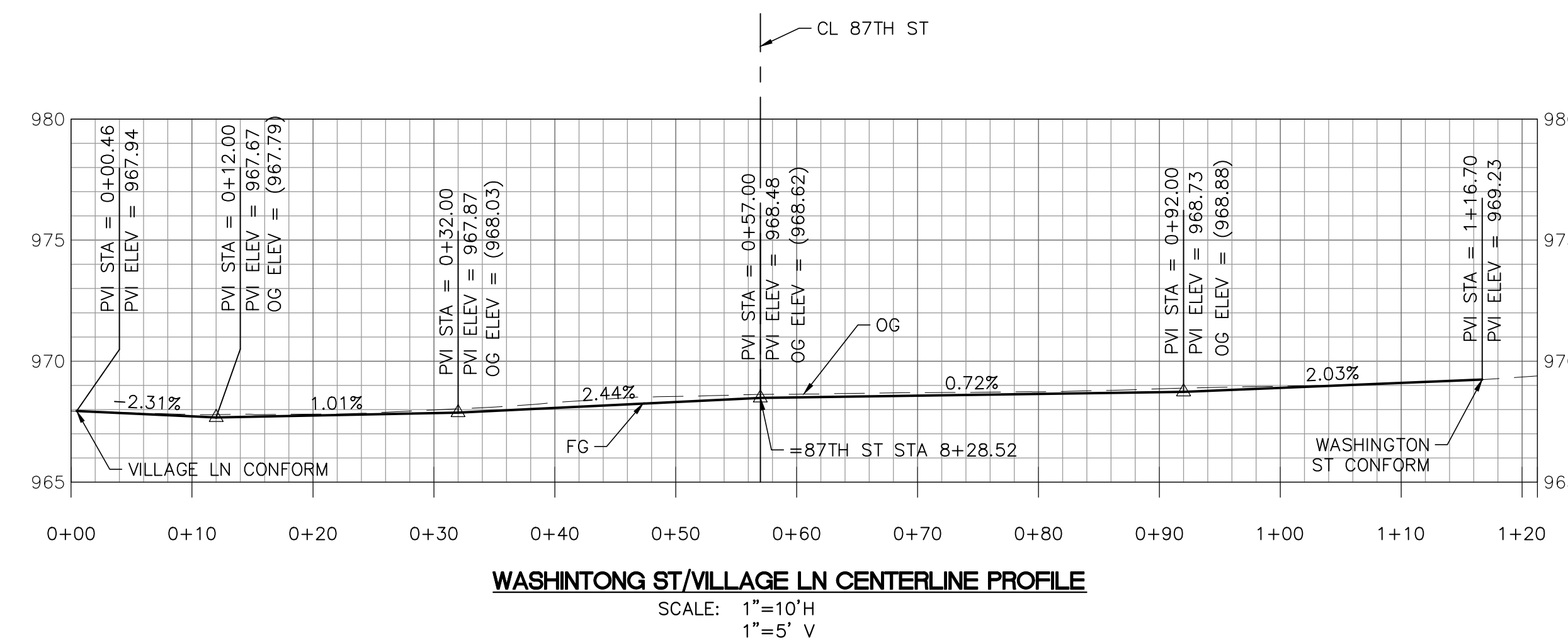
SCALE: 1"=10' H
1"=5' V



DESIGNED BY: AZ		BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT		SCALE: AS SHOWN
CHECKED BY: WN		INTERSECTION DETAILS 2 OF 3		DATE: 07-29-2022
DRAWN BY: AZ		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		FILE NO.: 1/5050
REVISION		DATE		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4		SHEET 5 OF 18



87TH ST AND WASHINGTON ST
INTERSECTION DETAIL
SCALE: 1"=10'



WASHINGTON ST/VILLAGE LN CENTERLINE PROFILE
SCALE: 1"=10' H
1"=5' V

NOTES:

1. THE FACE OF CURB AT ANGLE POINTS SHALL BE ROUNDED TO A MIN. 5' RADIUS, EXCEPT AT LOCATIONS ADJACENT TO DRAINAGE INLETS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO LAYING OUT THE CONCRETE FORM WORKS.

NO.	LOCATION		ELEVATION	REMARK
	STATION	OFFSET		
1	8+49.92	54.78' L	(967.78)	BW CONFORM
2	8+43.34	54.81' L	(967.18/967.66)	FL/TC CONFORM
3	8+41.89	54.79' L	(967.24)	LG CONFORM
4	8+50.19	52.25' L	967.62	BW
5	8+43.47	51.54' L	966.99/967.49	FL/TC, INLET
6	8+40.98	51.48' L	967.19	LG
7	8+50.67	47.79' L	967.62	BW
8	8+43.62	47.57' L	966.98/967.48	FL/TC, INLET
9	8+41.12	47.48' L	967.18	LG
10	8+39.56	41.16' L	967.28/967.62	FL/TC
11	8+38.08	41.62' L	967.41	LG
12	8+44.13	47.43' L	967.48	GB
13	8+47.14	37.96' L	967.56	GB
14	8+39.44	38.16' L	967.67	FL, BC
15	8+39.85	33.25' L	967.41	FL, CURB RAMP
16	8+38.36	33.03' L	967.48	LG
17	8+41.15	29.23' L	967.48	FL, CURB RAMP
18	8+39.74	28.71' L	967.56	LG
19	8+56.66	36.20' L	967.77	BW
20	8+53.46	30.28' L	967.65	GB
21	8+45.06	23.43' L	967.60/967.96	FL/TC
22	8+43.96	22.42' L	967.67	LG
23	8+54.04	18.09' L	967.49	FL, CURB RAMP
24	8+54.02	16.54' L	967.57	LG
25	8+58.24	17.38' L	967.45	FL, CURB RAMP
26	8+58.25	15.88' L	967.53	LG
27	8+59.53	17.35' L	967.44	FL, EC
28	8+64.50	17.37' L	967.39/967.80	FL/TC
29	8+65.13	15.88' L	967.52	LG
30	8+68.90	31.71' L	967.93	BW
31	8+62.17	25.50' L	967.73	GB
32	8+70.58	24.22' L	967.78	GB
33	8+70.79	23.73' L	967.45/967.78	FL/TC
34	8+66.68	19.57' L	967.36/967.86	FL/TC, INLET
35	8+69.49	22.41' L	967.36/967.86	FL/TC, INLET
36	8+68.45	17.80' L	967.49	LG
37	8+71.26	20.65' L	967.49	LG
38	8+78.39	31.88' L	(968.48)	BW CONFORM
39	8+78.58	23.88' L	(967.84/968.34)	FL/TC CONFORM
40	8+78.60	22.64' L	(967.94)	LG CONFORM

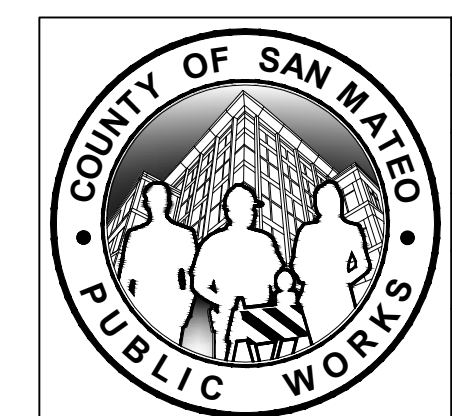
NO.	LOCATION		ELEVATION	REMARK
	STATION	OFFSET		
41	8+86.71	28.98' R	(968.80)	BW CONFORM
42	8+86.58	23.43' R	(968.11/968.62)	FL/TC CONFORM
43	8+86.55	22.09' R	(968.21)	LG CONFORM
44	8+82.71	29.08' R	968.59	BW
45	8+82.58	23.51' R	967.98/968.48	FL/TC, INLET
46	8+82.53	20.99' R	968.15	LG
47	8+78.72	29.18' R	968.51	BW
48	8+78.58	23.58' R	967.90/968.40	FL/TC, INLET
49	8+78.53	21.08' R	968.07	LG
50	8+77.27	21.10' R	968.08	LG
51	8+69.61	29.40' R	968.34	BW
52	8+69.86	18.60' R	968.02/968.41	FL/TC
53	8+70.25	17.10' R	968.13	LG
54	8+66.86	18.62' R	968.05	FL, BC
55	8+60.77	33.09' R	968.30	BW
56	8+54.66	22.85' R	968.21	FL, CURB RAMP
57	8+53.98	21.47' R	968.24	LG
58	8+52.79	24.50' R	968.22	FL, CL CURB RAMP
59	8+51.13	26.40' R	968.21	FL, CURB RAMP
60	8+50.13	25.24' R	968.24	LG
61	8+46.96	38.81' R	968.14	FL, EC
62	8+45.46	38.82' R	968.26	LG
63	8+46.99	41.81' R	968.12/968.46	FL/TC
64	8+45.49	42.05' R	968.27	LG
65	8+47.27	47.65' R	968.28	LG
66	8+49.78	50.62' R	968.08/968.41	FL/TC
67	8+55.68	41.58' R	968.39	BW
68	8+54.16	51.75' R	968.65	BW
69	8+49.78	51.62' R	968.07/968.57	FL/TC, INLET
70	8+47.28	51.62' R	968.28	LG
71	8+54.11	55.62' R	968.74	BW
72	8+49.80	55.62' R	968.11/968.61	FL/TC, INLET
73	8+47.30	55.62' R	968.32	LG
74	8+54.11	59.62' R	(968.87)	BW CONFORM
75	8+50.31	59.62' R	(968.77)	TOP BACK OF CURB CONFORM
76	8+49.21	59.62' R	(968.39)	FL CONFORM
77	8+48.28	59.61' R	(968.48)	LG CONFORM

CURVE TABLE			
CURVE NO.	LENGTH (FT)	RADIUS (FT)	DELTA
C1	32.33	20.00	92°37'20.3"
C2	31.50	20.00	90°14'56.2"

LEGEND:



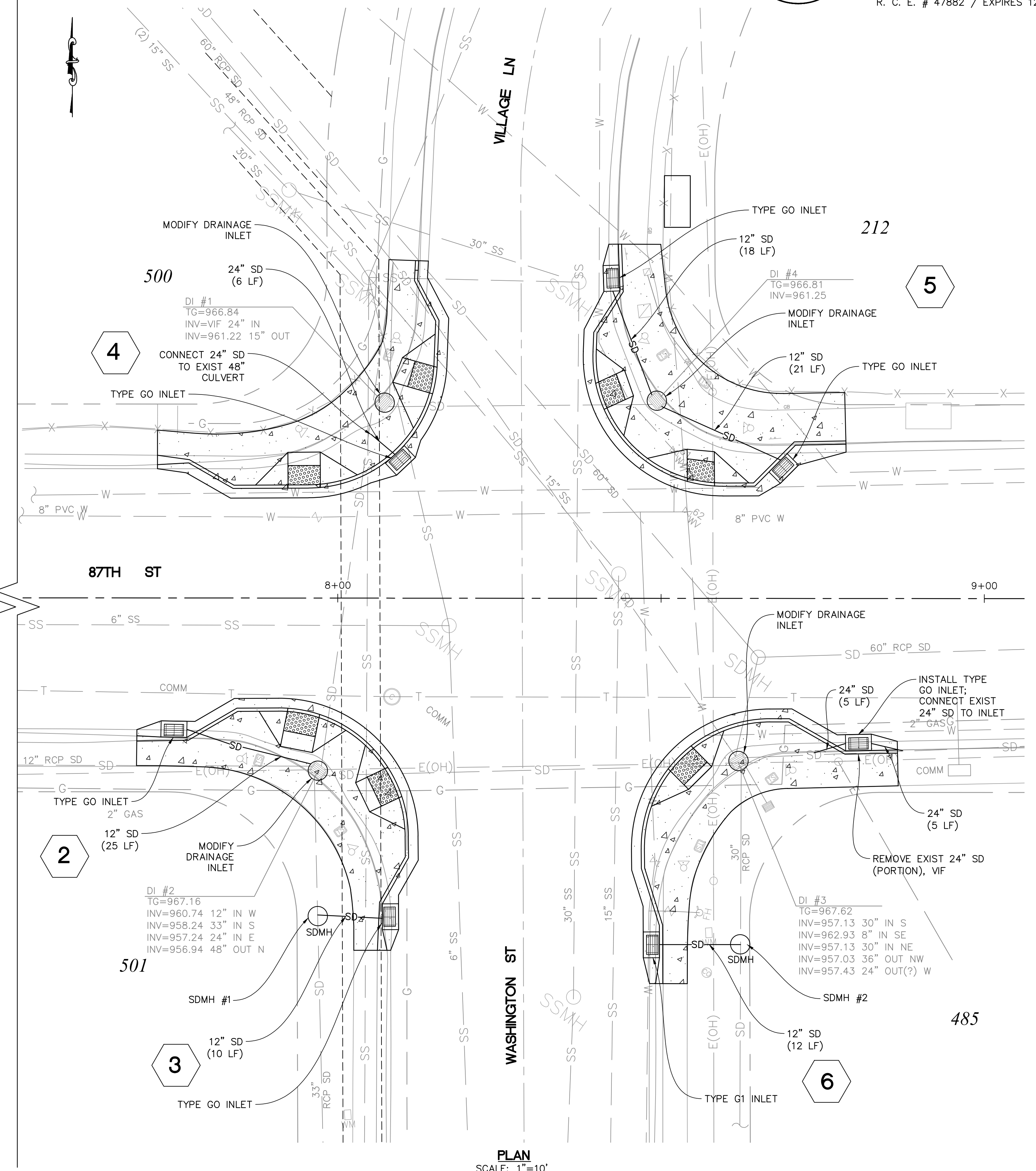
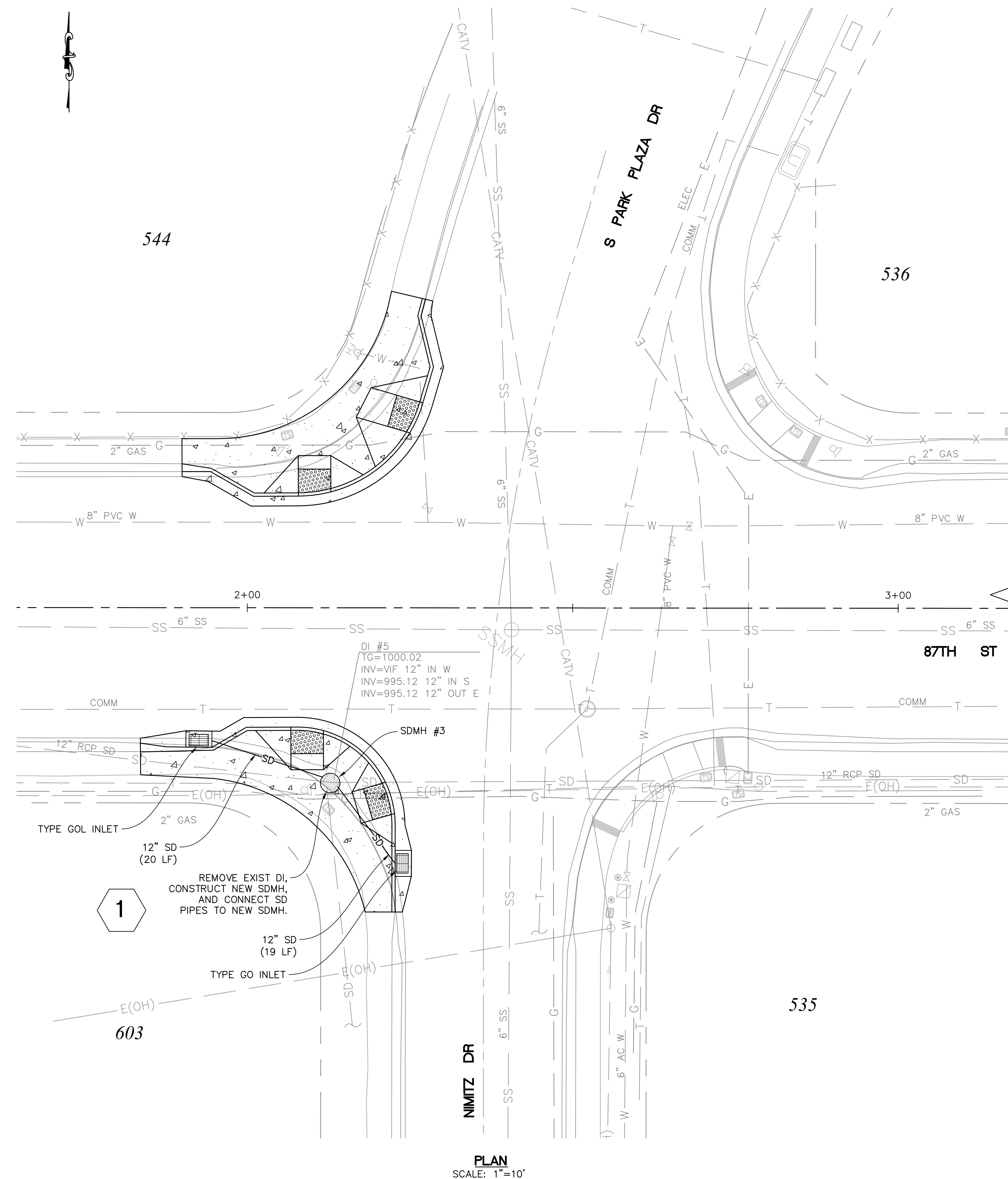
POTHOLE DATA					
NO.	STATION	OFFSET	DEPTH (IN)	UTILITY/OWNER	REMARK
V-2	8+41.42	49.07' L	34	8" CAST IRON WATER	
V-3	8+52.08	41.69' L	-	-	NO UTILITIES FOUND WITHIN 72 IN. DEPTH
V-4	8+63.33	22.14' L	-	-	NO UTILITIES FOUND WITHIN 72 IN. DEPTH
V-5	8+52.63	25.61' L	27	8" PIPE (UNKNOWN)	POSSIBLY UNMARKED WATER FROM EAST TO WEST
V-6	8+64.26	22.72' R	24	4" PLASTIC PIPE (UNKNOWN)	LARGE CONCRETE DEBRIS FOUND BELOW THE PIPE
V-7	8+47.18	55.54' R	50	6" PLASTIC WATER	



DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT INTERSECTION DETAILS 3 OF 3	SCALE: AS SHOWN
CHECKED BY: WN		DATE: 07-29-2022
DRAWN BY: AZ		FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		6 SHEET 6 OF 18

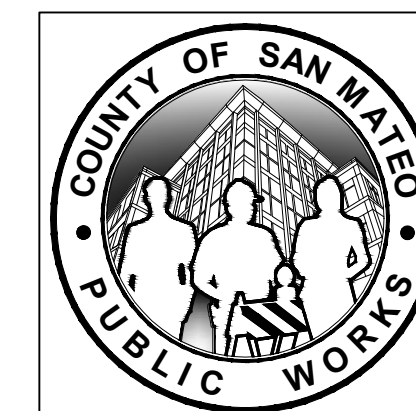


APPROVED:
DATE: 07/29/2022
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



LEGEND:

DRAINAGE SYSTEM NUMBER
(SEE SHEET NO. 8 FOR DETAILS)



		DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT DRAINAGE PLAN	SCALE: AS SHOWN
		CHECKED BY: WN		DATE: 07-29-2022
		DRAWN BY: AZ		FILE NO.: 1/5050
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		01234		
		7 SHEET 7 OF 18		

NOTES:

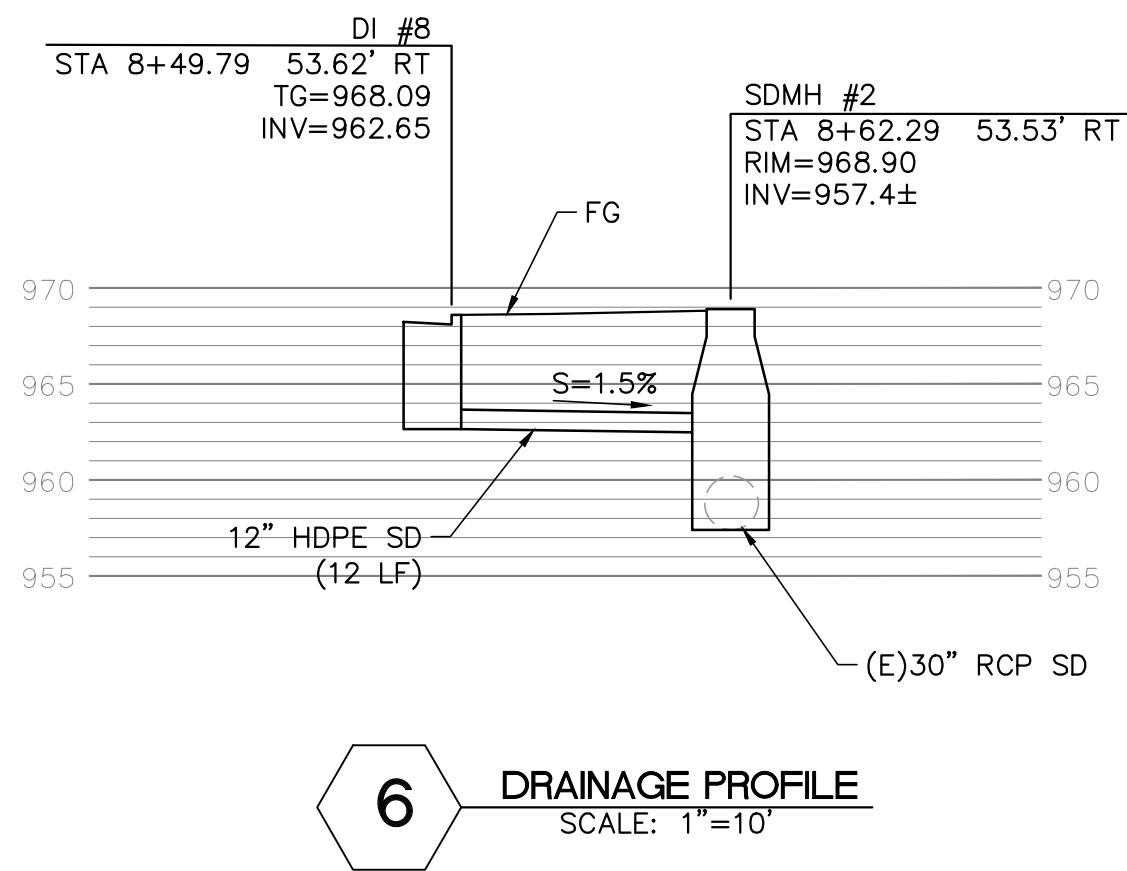
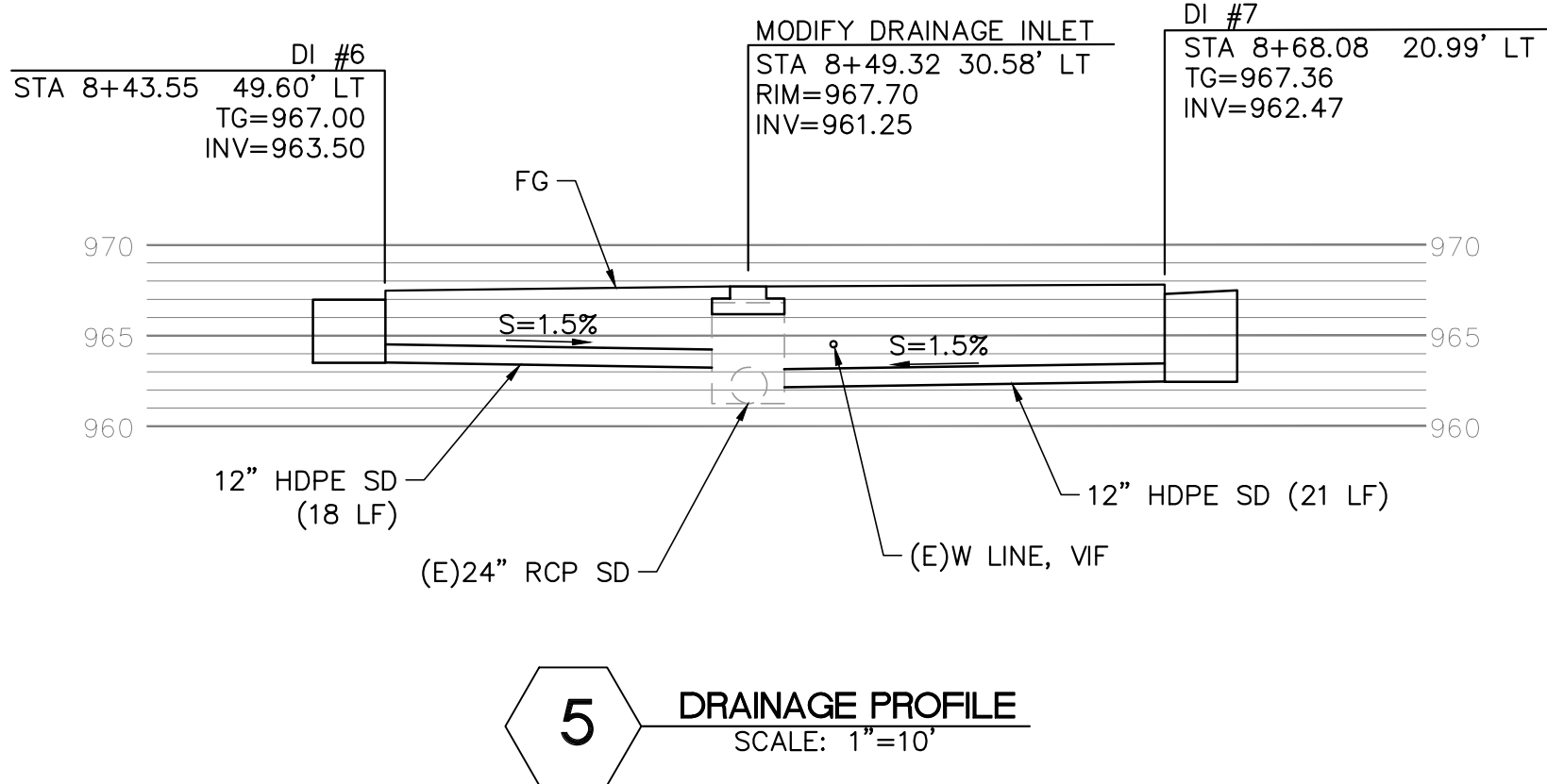
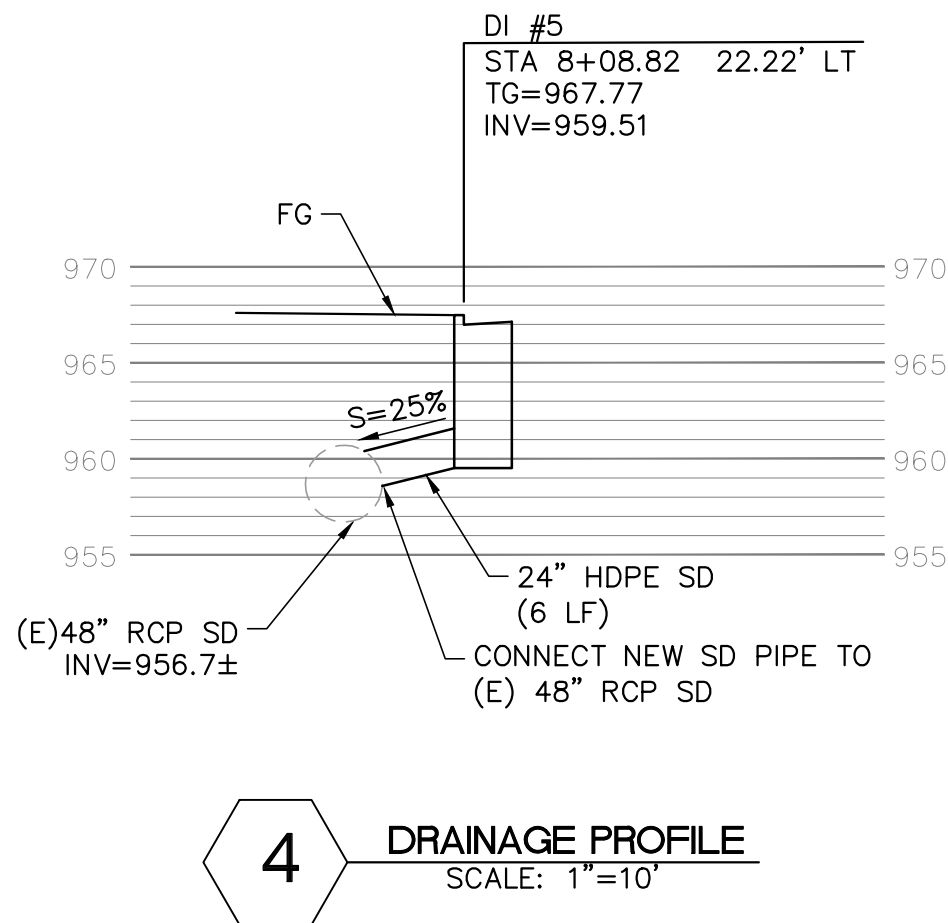
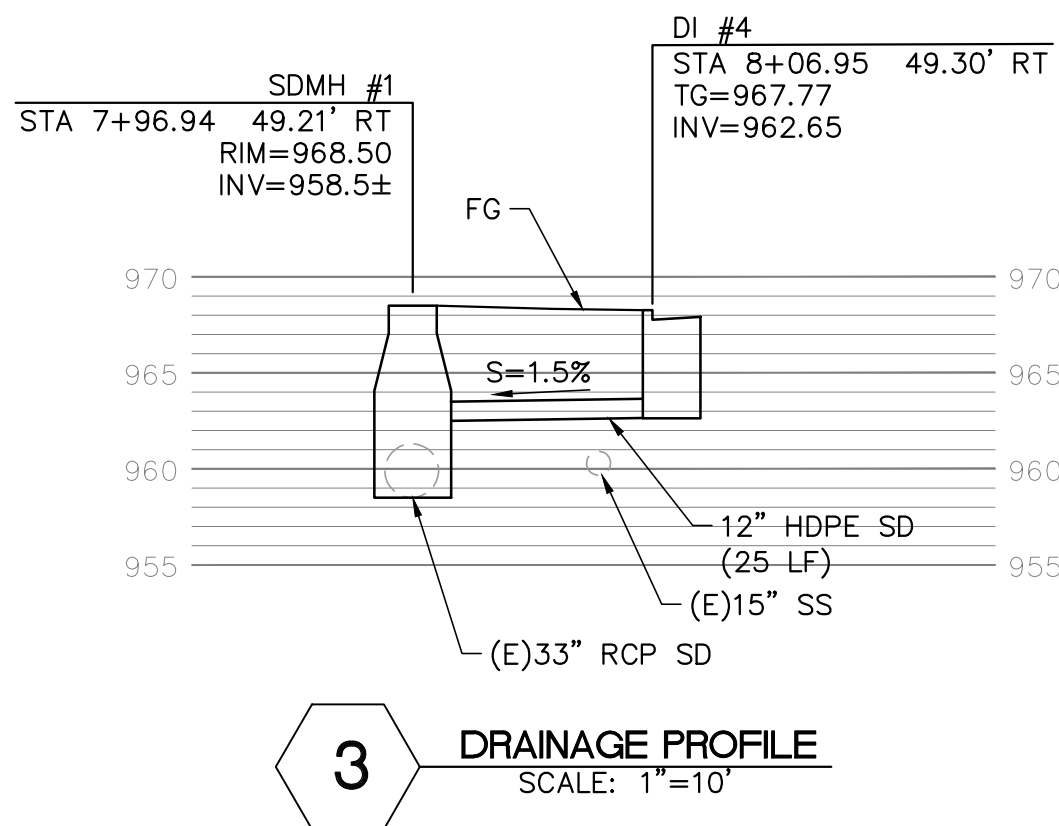
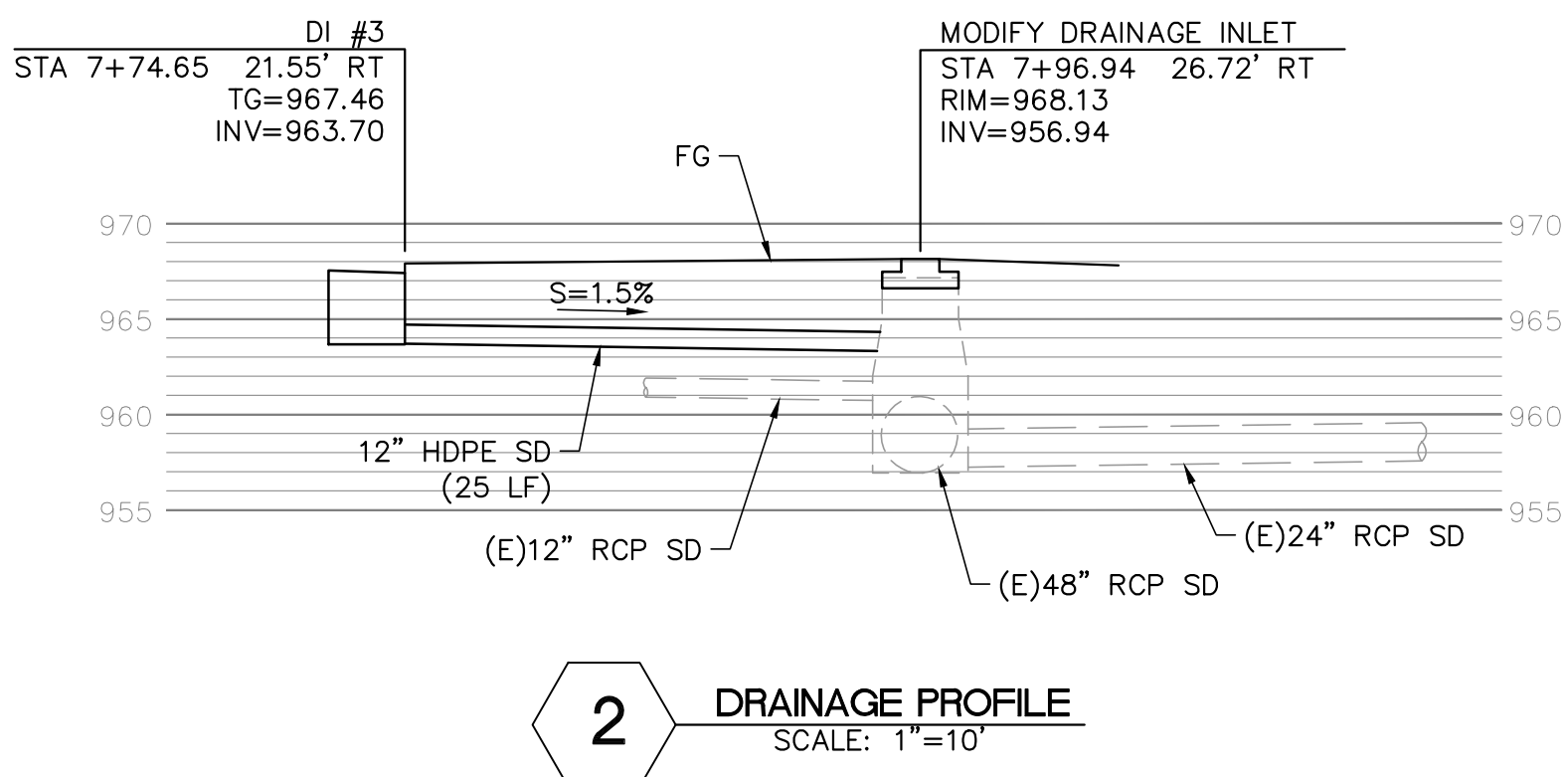
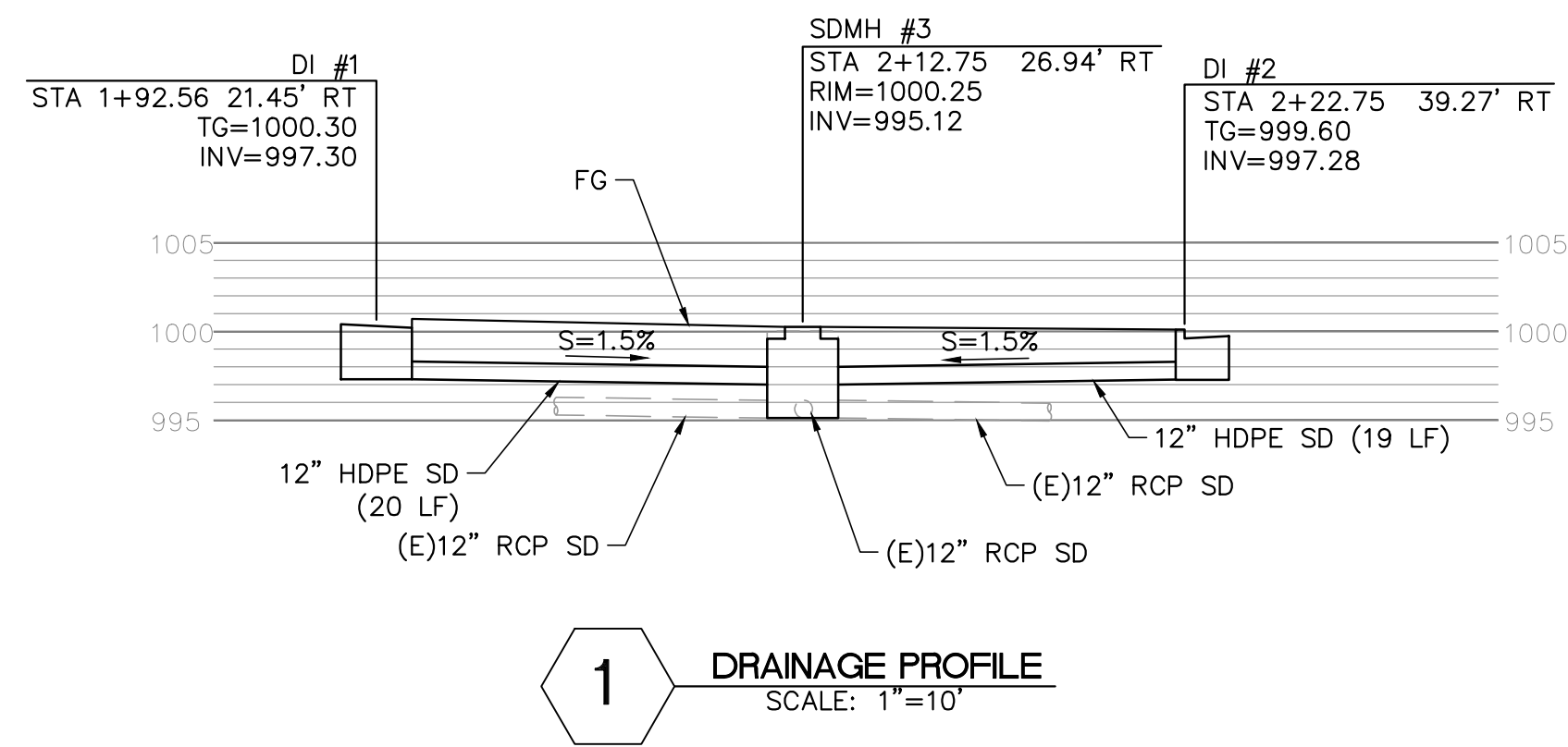
1. STATION AND OFFSET INDICATE CENTER OF MANHOLE RIM AND/OR TOP CENTER OF INLET GRATE AT THE FACE OF CURB.
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE, CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING UTILITIES.



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

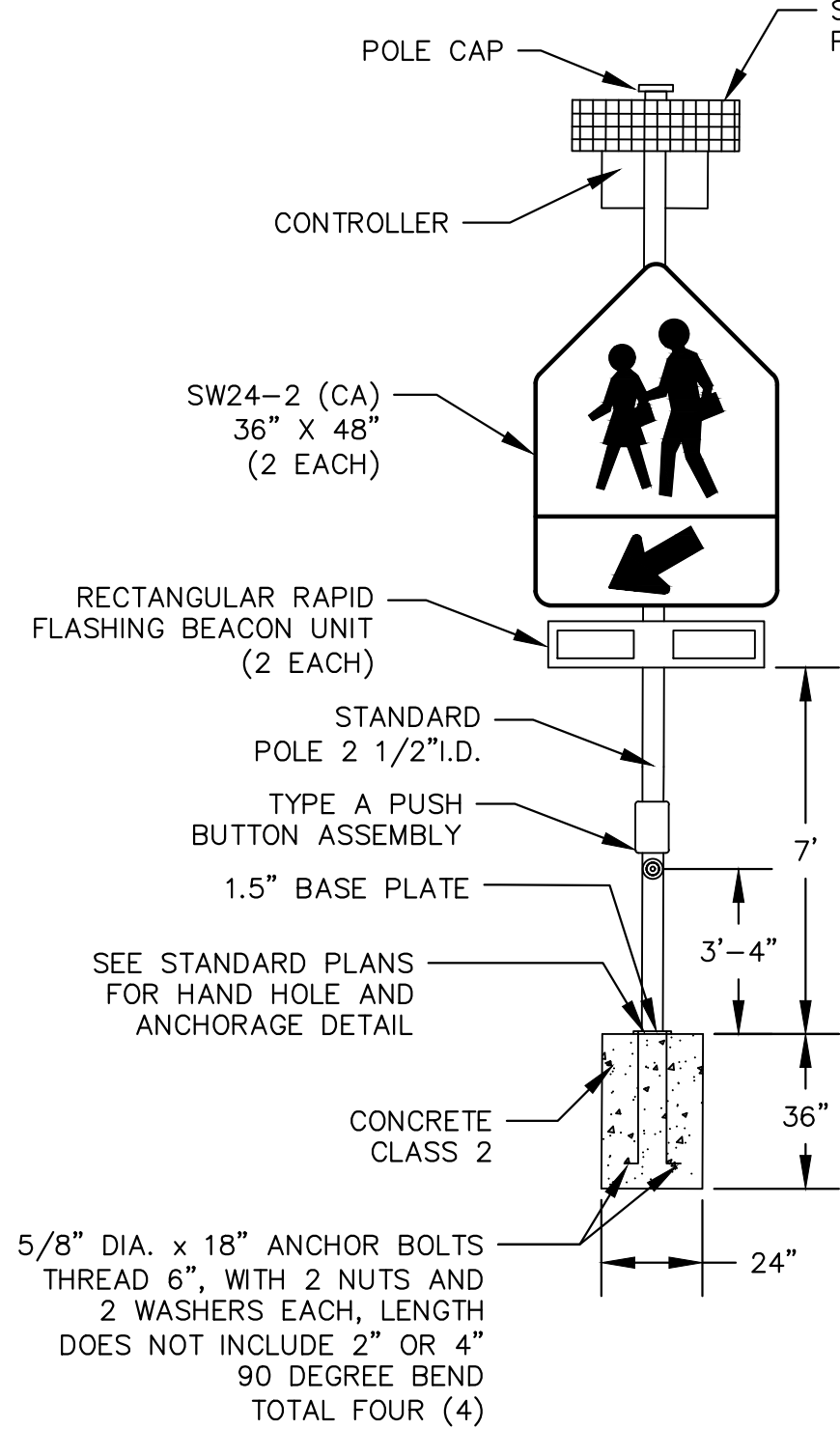


DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL	SCALE: AS SHOWN
CHECKED BY: WN	PEDESTRIAN IMPROVEMENTS PROJECT	DATE: 07-29-2022
DRAWN BY: AZ	DRAINAGE PROFILES	FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4	8 SHEET 8 OF 18

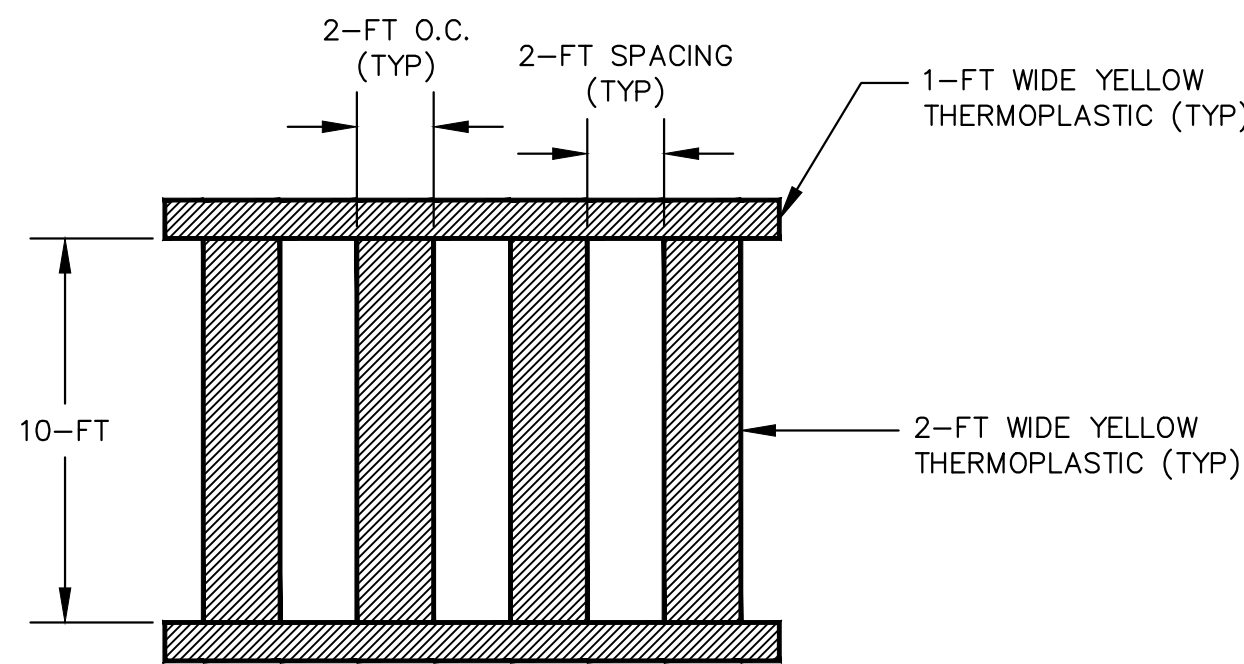
FILENAME: F:\USERS\DESIGN\C30\ES050000_BROADMOOR_SRTS\11 DWG\ES050007-8.DWG (LAYOUT 08)

NOTES:

- 1.) BACK CASTING SHAPE TO FIT CURVATURE OF POLE.
- 2.) PROVIDE COVER FITTING FOR TOP OF POST, WHEN PUSH BUTTON ASSEMBLY (PBA) IS MOUNTED ON PUSH BUTTON ASSEMBLY POST.
- 3.) INSTALL PUSH BUTTON ON CROSSWALK SIDE OF STANDARD.
- 4.) USE R10 SERIES REGULATORY SIGNS AND PLAQUES FOR PEDESTRIAN AND BICYCLE FACILITIES.
- 5.) FOR ADDITIONAL NOTES, DETAILS AND STANDARDS, SEE STANDARD PLAN.
- 6.) HANDHOLE SHALL BE LOCATED ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 7.) CONTRACTOR WILL BE RESPONSIBLE FOR POTHOLING TO ENSURE THERE ARE NO UTILITY CONFLICTS WITH FOOTING.
- 8.) ASSEMBLY TO INCLUDE "CHIRPER" AUDIBLE DETECTION.
- 9.) EACH ASSEMBLY CONSISTS OF TWO SW24-2 (CA) SIGN PANELS AND TWO FLASHING BEACON UNITS.



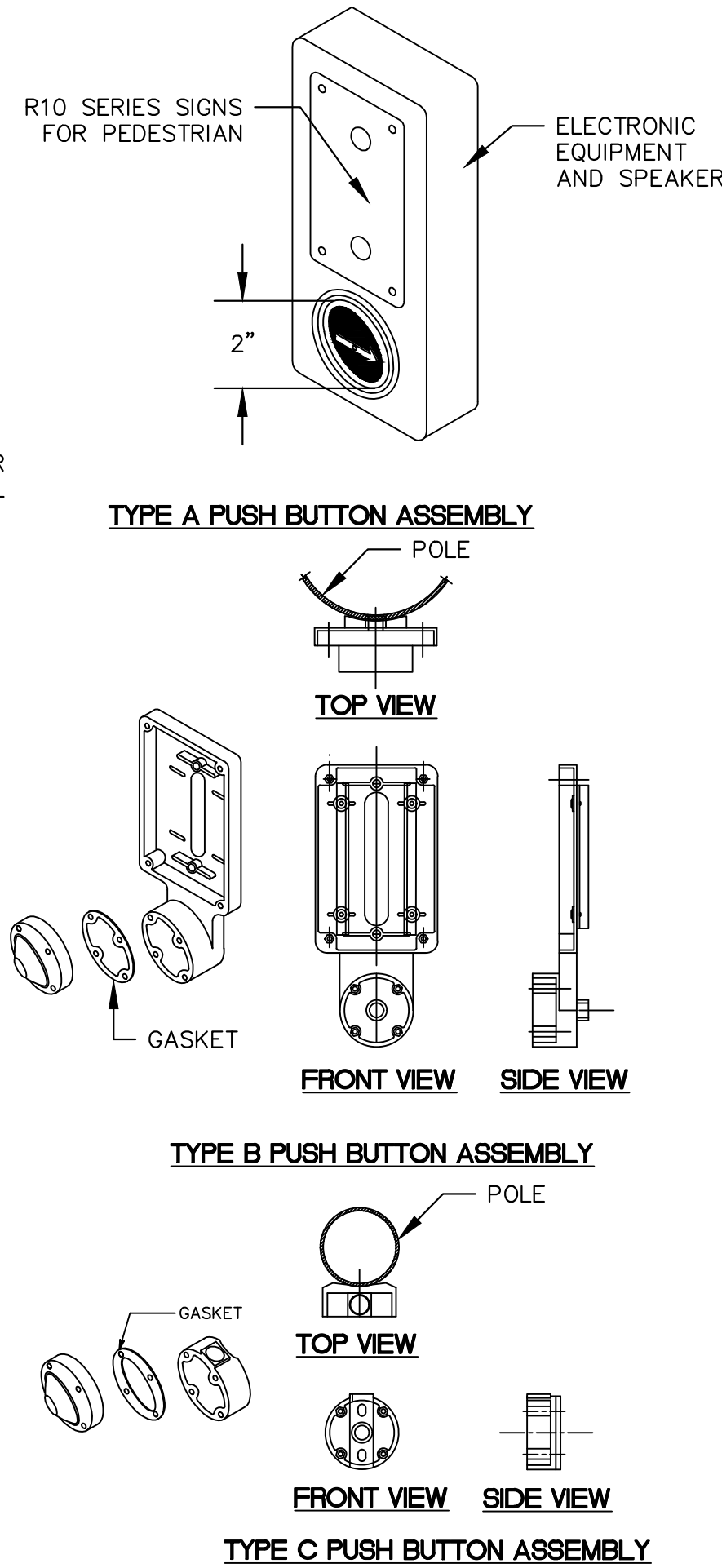
A
9 RECTANGULAR RAPID FLASHING BEACON ASSEMBLY DETAIL
(NOT TO SCALE)



B
9 YELLOW THERMOPLASTIC LADDER CROSSWALK STRIPING DETAIL
(NOT TO SCALE)

NOTES:

- 1.) SEE 2018 CALTRANS STANDARD PLANS A24F, LADDER CROSSWALK DETAIL FOR DETAILS NOT SHOWN.
- 2.) REMOVE EXISTING PAVEMENT MARKINGS TO A DEPTH OF 3/8", PATCH WITH TYPE B, 1/4" (NO. 4 MAXIMUM) FINE GRADED ASPHALT CONCRETE



TYPE A PUSH BUTTON ASSEMBLY

TOP VIEW

FRONT VIEW

SIDE VIEW

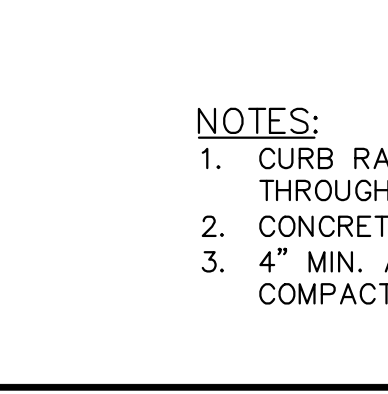
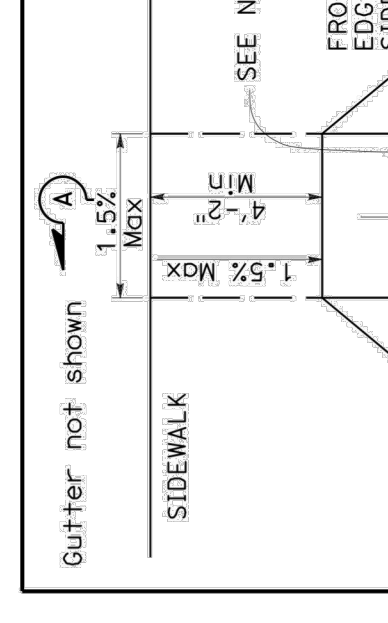
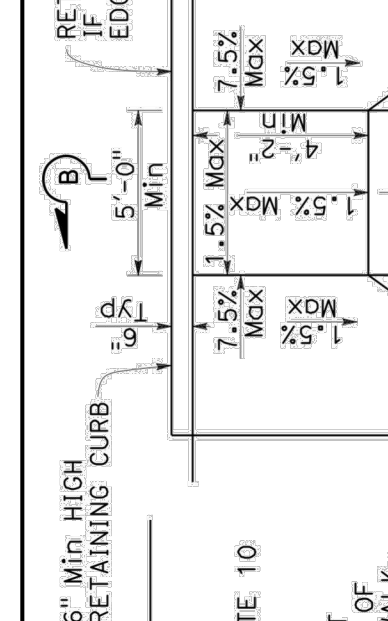
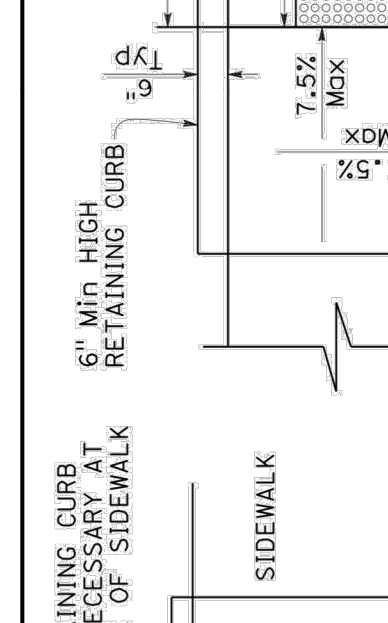
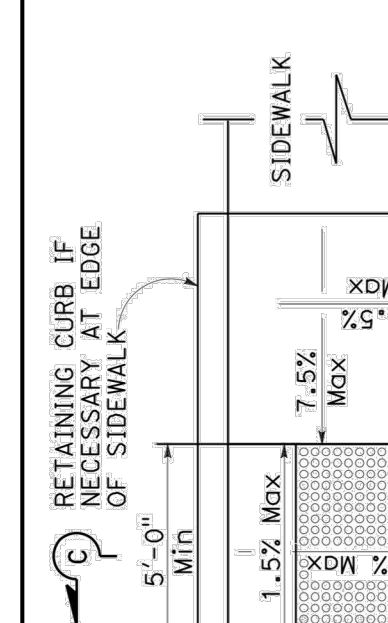
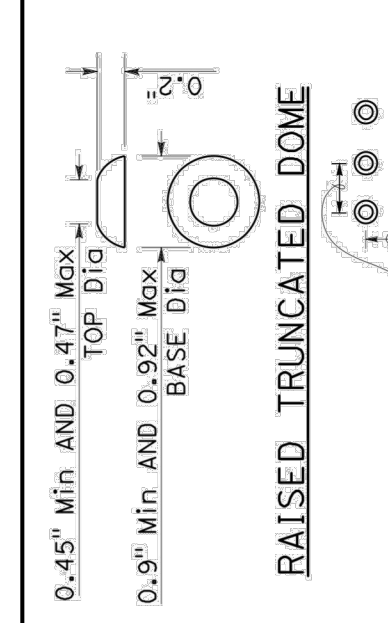
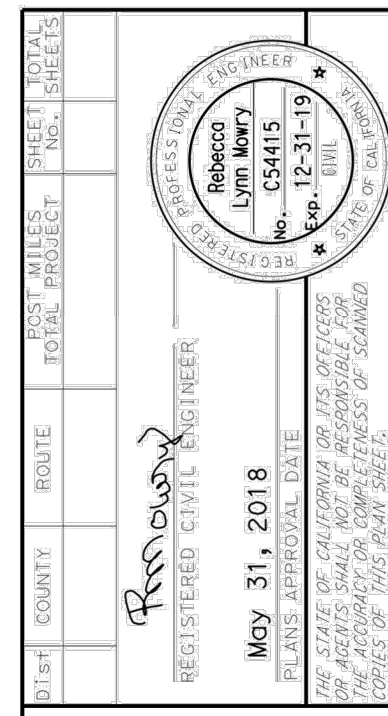
TYPE B PUSH BUTTON ASSEMBLY

TOP VIEW

FRONT VIEW

SIDE VIEW

TYPE C PUSH BUTTON ASSEMBLY



RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

NOTES:

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case C curb ramp is the only case that may be used for a corner installation. The case C curb ramp is the only case that may be used for a corner installation. The case C curb ramp is the only case that may be used for a corner installation.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform, (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case C ramp shall be constructed in reversed position.
5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1:20 (5.0%), gutter pan slope shall not exceed 1/4" depth for each 2'-0" of width.
9. Typical gutter pan slope per Standard Plan A81A.
10. The detectable warning surface will be a rectangle as shown at back of curb, and within 24 inches of the curb ramp. The detectable warning surface shall be a rectangle as shown at back of curb, and within 24 inches of the curb ramp. The detectable warning surface shall be a rectangle as shown at back of curb, and within 24 inches of the curb ramp.
11. Sidewalk and ramp thickness, "T", shall be 3/2" minimum.
12. Utility pull boxes, manholes, vaults and all other utility facilities within the 13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.

RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

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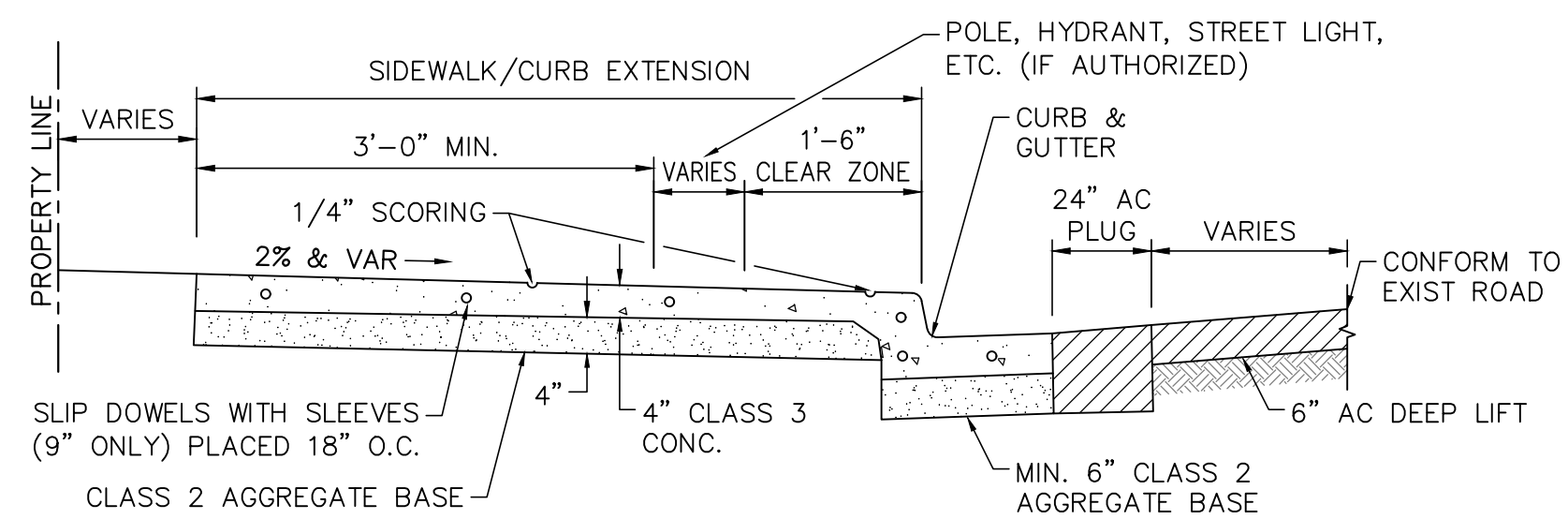
RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

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RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

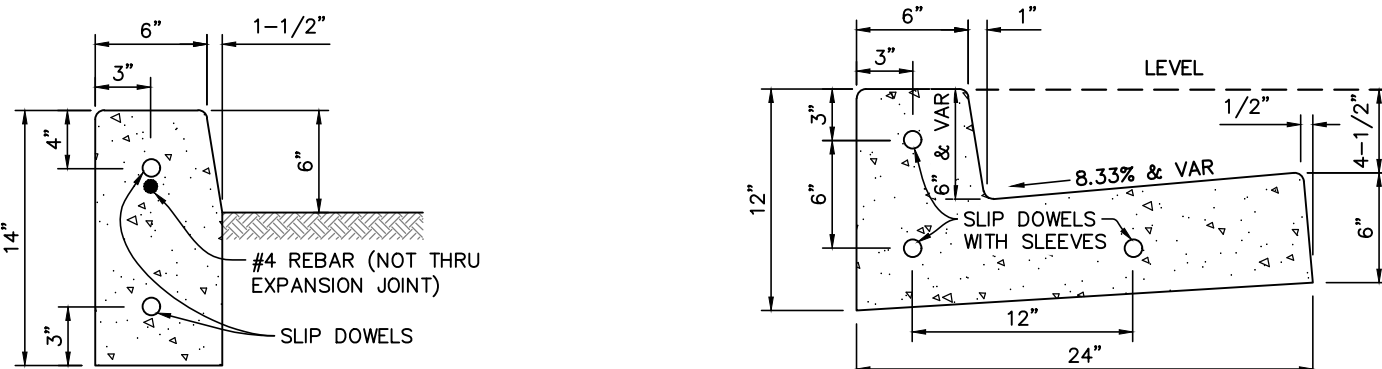
RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE



D
9 CURB, GUTTER AND SIDEWALK DETAIL
(NOT TO SCALE)

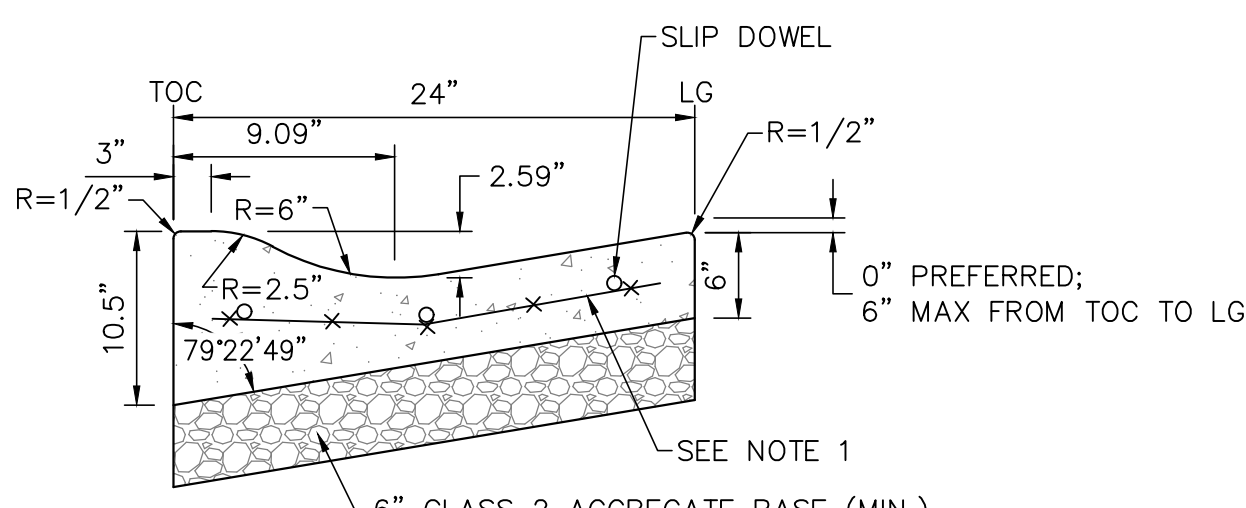
NOTE:
SCORE SIDEWALK AREA ON BASIS OF 2 1/2' SQUARES



E
9 VERTICAL CURB DETAIL
(NOT TO SCALE)

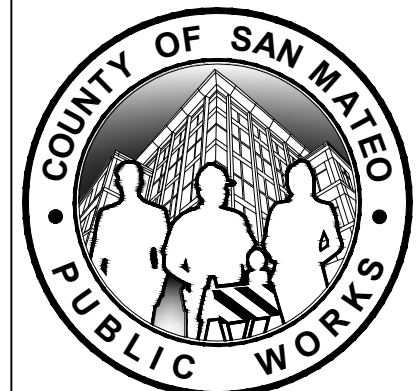
- NOTES:
1. ALL CONCRETE TO BE CLASS 3 CONCRETE.
 2. MINIMUM SIDEWALK THICKNESS = 4 INCHES PCC.
 3. PLACE 1/2" DIAMETER X 18" LONG DOWELS AT EXPANSION JOINTS AS SHOWN.
 4. PLACE 1/2" THICK FELT EXPANSION JOINTS FULL WIDTH 20' ON CENTER.
 5. CONSTRUCT MONOLITHIC CURB, GUTTER AND SIDEWALK UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
 6. SUB-BASE MATERIALS WITHIN 30" OF SUBGRADE SHALL BE COMPACTED TO 95%.

F
9 CURB AND GUTTER DETAIL
(NOT TO SCALE)



G
9 ROLLED CURB DETAIL
(NOT TO SCALE)

- NOTES:
1. REINFORCEMENT SHALL CONSIST OF 6" x 6" - #10/#10 WELDED WIRE FABRIC.
 2. CONCRETE ROLLED CURB SHALL BE INSTALLED PRIOR TO PAVING, UNLESS ENGINEER APPROVES OTHERWISE.
 3. PLACE 1/2" DIAMETER X 18" LONG DOWELS, AT EXPANSION JOINTS, AS SHOWN.
 4. PLACE 1/4" THICK EXPANSION JOINTS FULL WIDTH 20' ON CENTER.
 5. SUB-BASE MATERIALS WITHIN 30" OF SUBGRADE SHALL BE COMPACTED TO 95% R.C.
 6. PLACE 1/4" DEEP SCORE FULL WIDTH 10' ON CENTER, BETWEEN EXPANSION JOINTS.
 7. SEE D-3 FOR DOWELING DETAIL.



DESIGNED BY:	AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT	SCALE: AS SHOWN
CHECKED BY:	WN		DATE: 07-29-2022
DRAWN BY:	AZ	CONSTRUCTION DETAILS 1 OF 2	FILE NO.: 1/5050
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

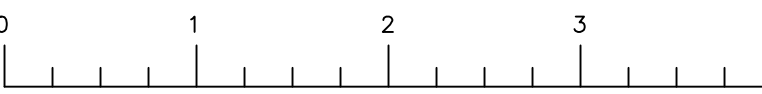
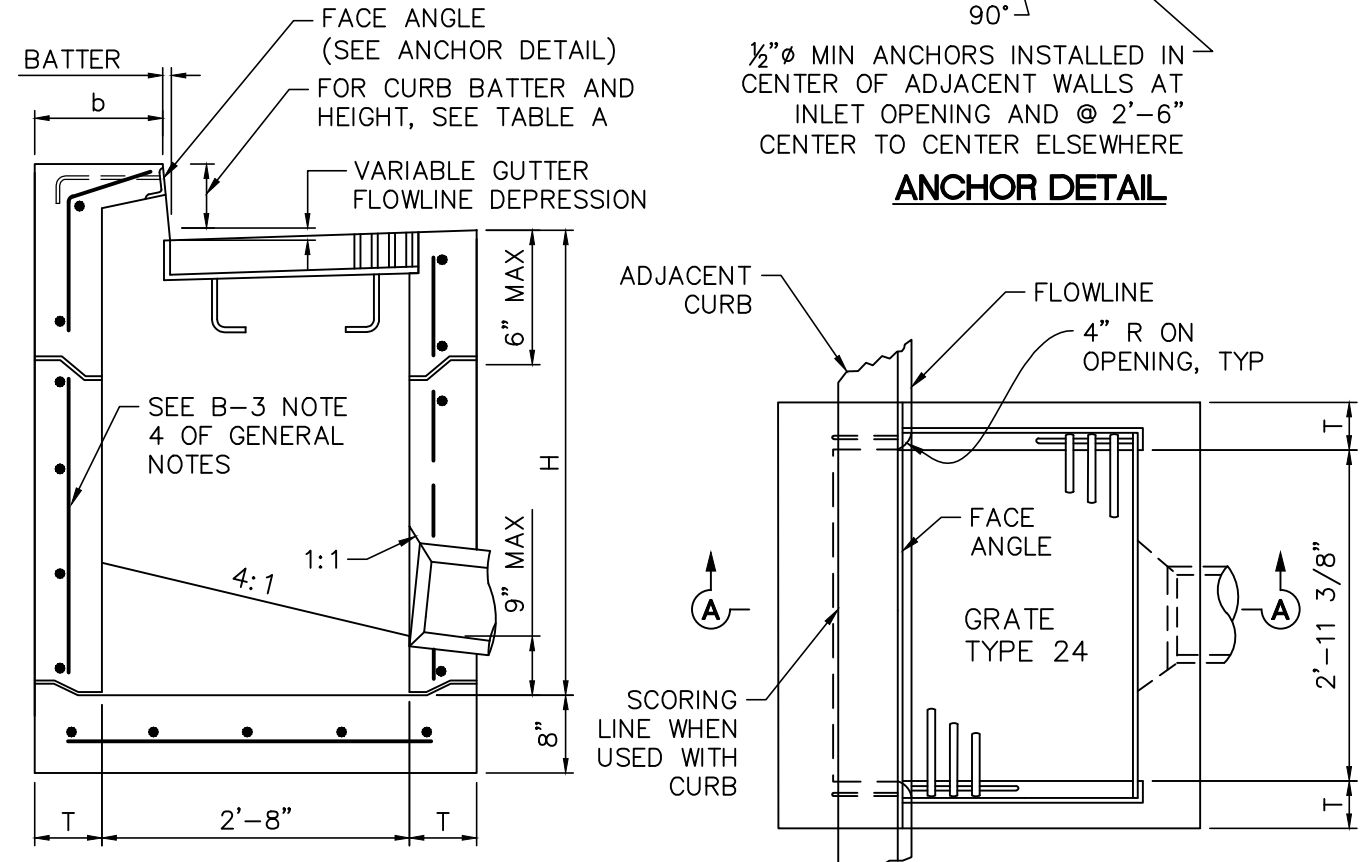
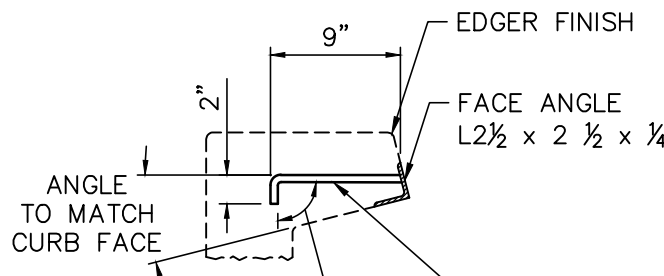


TABLE A			
Curb Type	Normal Curb Height	Curb Batter	b
A1-6	6"	1 1/2"	12 1/2"
A1-8	8"	2"	12
B	6"	4"	10
Dike	6"	3"	11



SECTION A-A

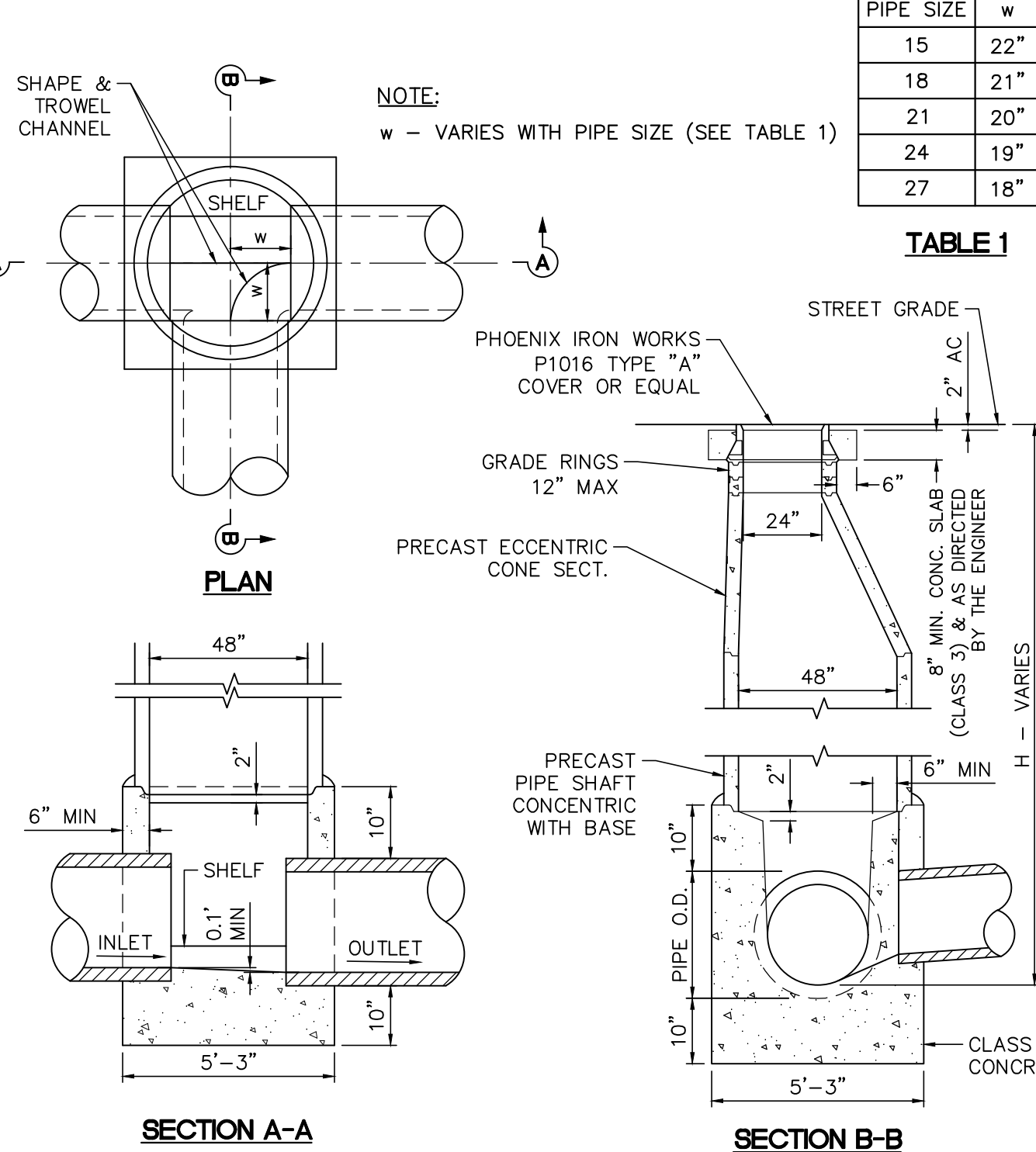
PLAN

TABLE B. CATCH BASIN QUANTITY			
H=3'-0" TO 8'-0" (T=6")		H=8'-1" TO 20'-0" (T=8")	
H=3'-0" (CY)	ADDITIONAL PCC PER FT (CY)	H=8'-1" (CY)	ADDITIONAL PCC PER FT (CY)
GO	1.26	4.90	0.506

TABLE B BASED ON 8" FLOOR SLAB. NO DEDUCTION FOR PIPE OPENINGS, AND CURB TYPE GIVING HIGHEST QUANTITY OF CONCRETE. NO DEDUCTIONS OR ADJUSTMENTS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPE.

A
10

TYPE GO INLET (NOT TO SCALE)

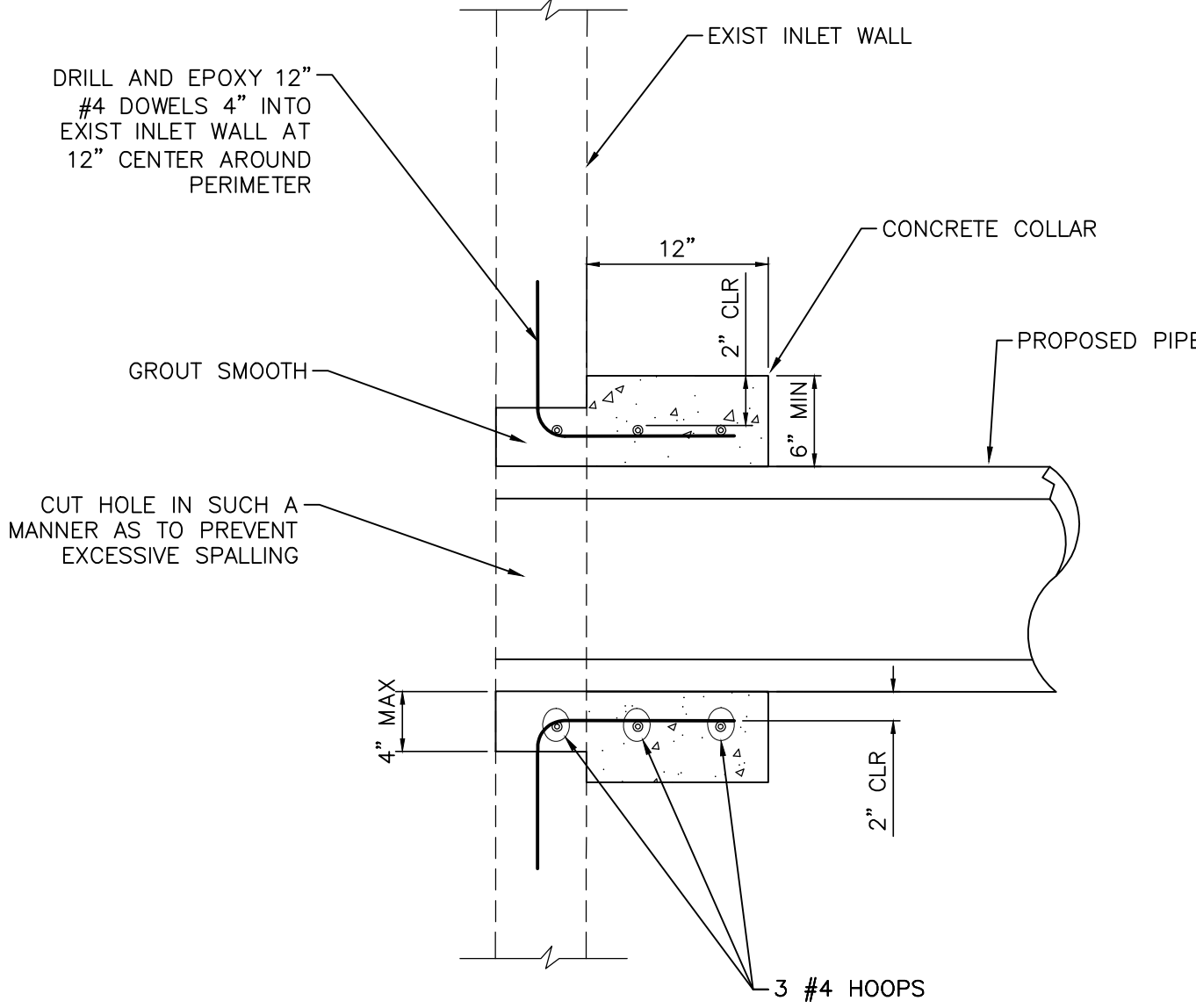


SECTION A-A

SECTION B-B

C
10

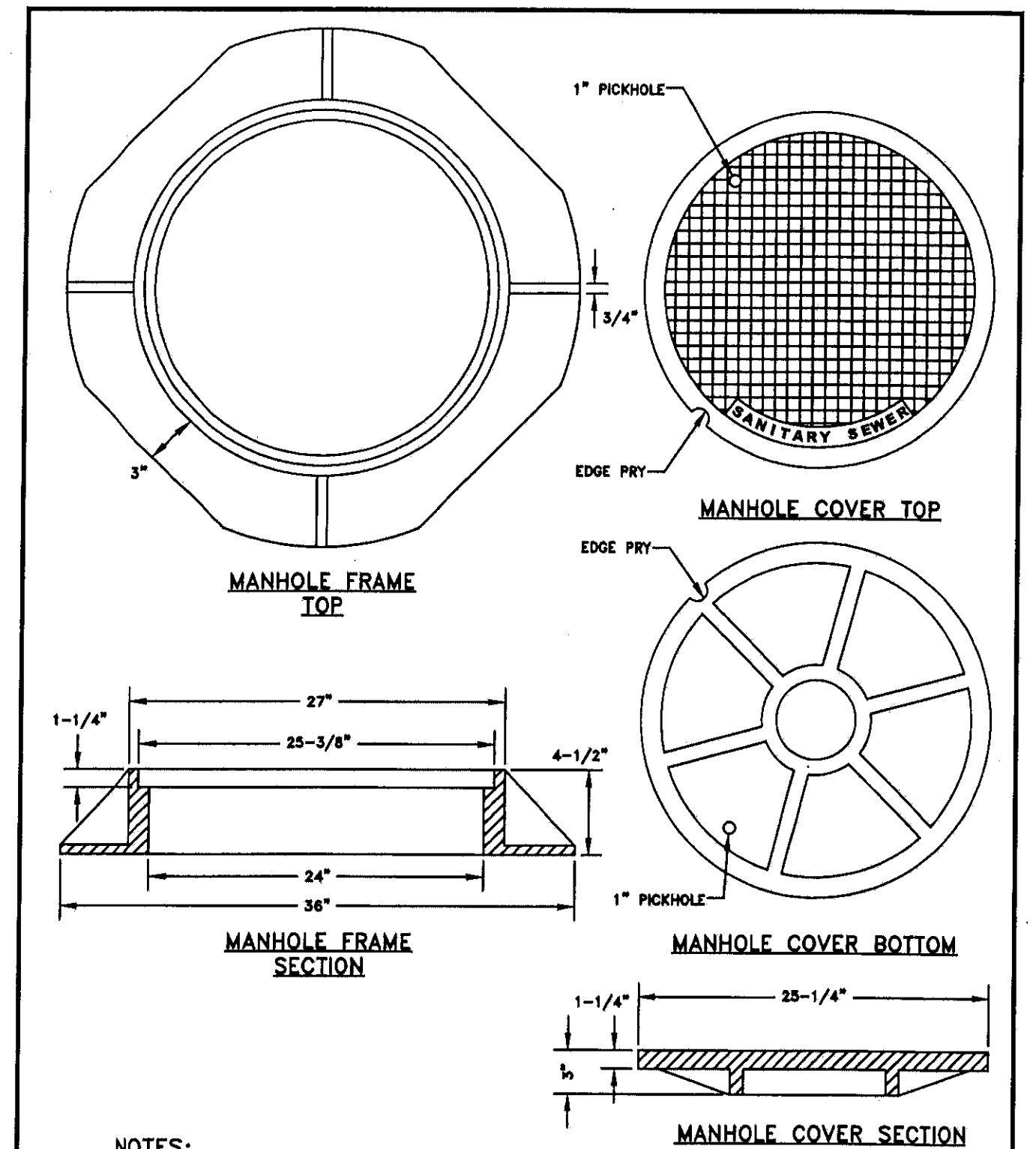
STORM DRAIN MANHOLE (NOT TO SCALE)



NEW PIPE CONNECTION TO EXISTING INLET/MANHOLE

(NOT TO SCALE)

E
10



NOTES:

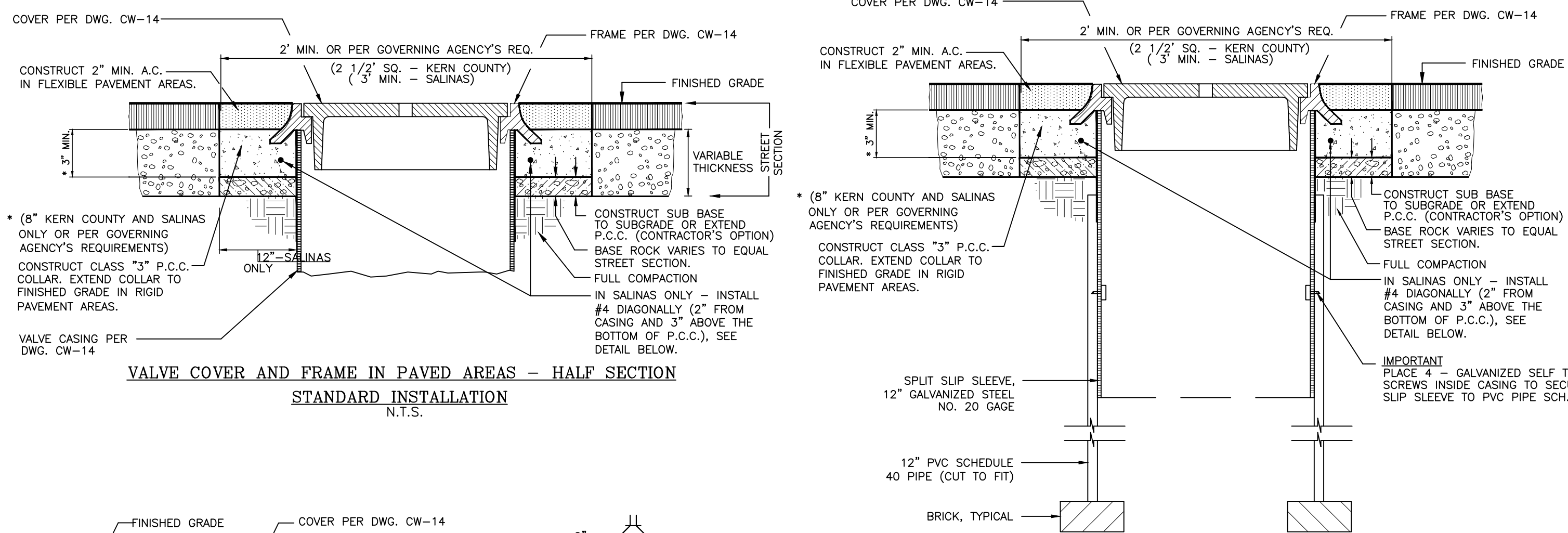
1. ALL MATERIAL SHALL CONFORM TO ASTM SPECIFICATION A-159-707-G3000
2. MODEL D&L No. A-1000 OR APPROVED EQUAL IS ILLUSTRATED AND ACCEPTABLE.



CITY OF DALY CITY, CALIFORNIA		STANDARD
NORTH SAN MATEO COUNTY SANITATION DISTRICT		DETAIL
NON-PRESSURE MANHOLE FRAME AND COVER		SS-1
REVIEWED BY: <i>[Signature]</i>	ADOPTED ON: JAN 14, 2019	DATE: NOV 2018
DWNR DIRECTOR	BOARD OF DIRECTORS	

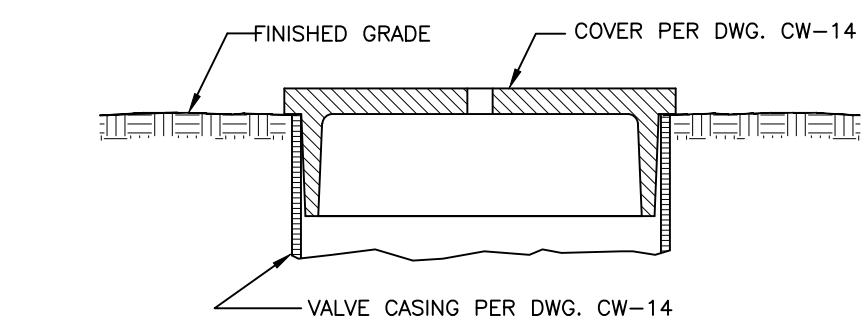
F
10

ADJUST SEWER MANHOLE DETAIL (NOT TO SCALE)

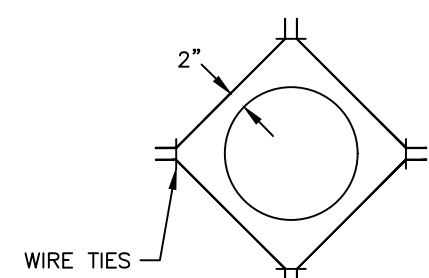


VALVE COVER AND FRAME IN PAVED AREAS - HALF SECTION STANDARD INSTALLATION N.T.S.

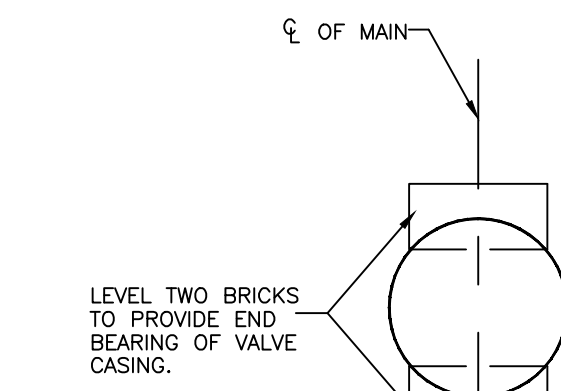
VALVE COVER AND FRAME IN PAVED AREAS - HALF SECTION ALTERNATE INSTALLATION N.T.S.



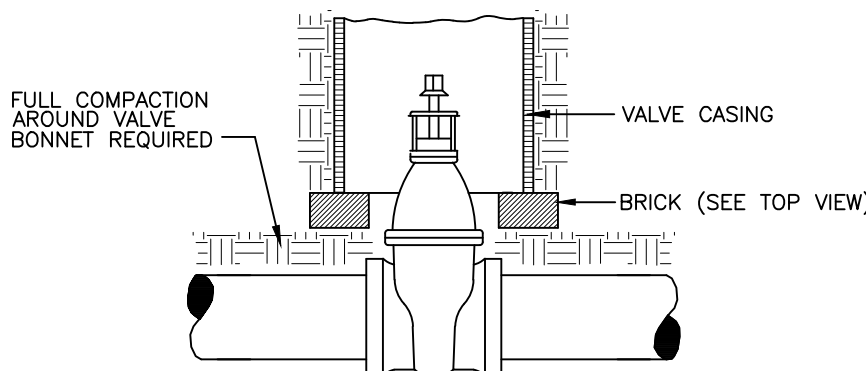
VALVE COVER IN UNPAVED AREAS - HALF SECTION N.T.S.



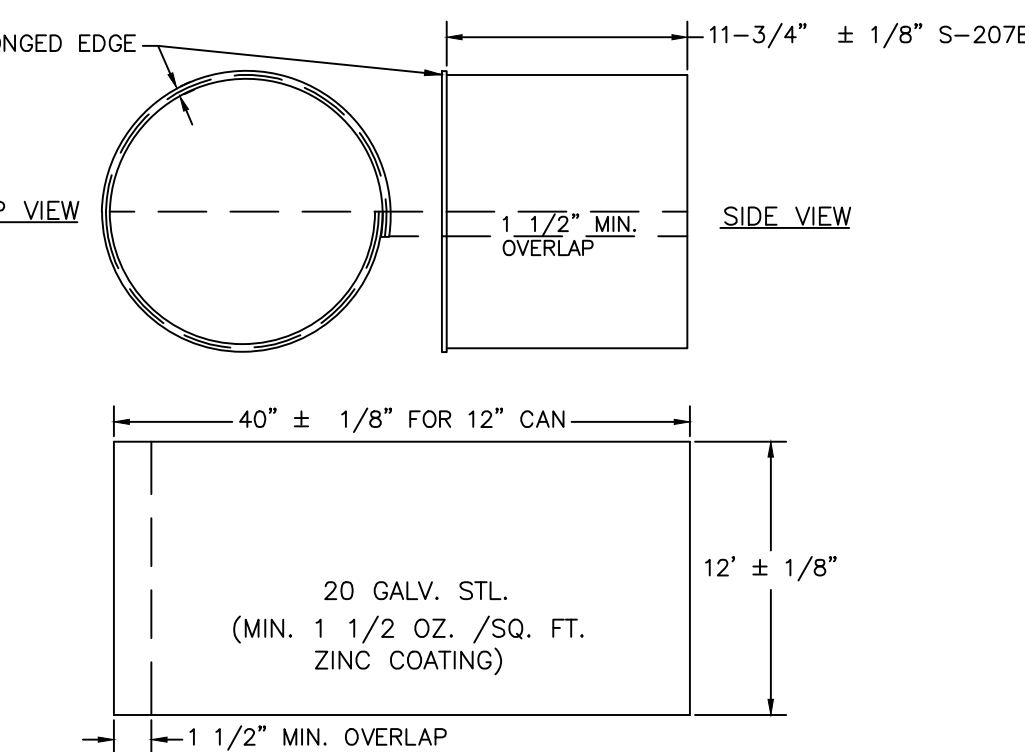
REINFORCEMENT DETAIL N.T.S.



VALVE CASING FOOTING - TOP VIEW N.T.S.



VALVE CASING FOOTING - SIDE VIEW N.T.S.



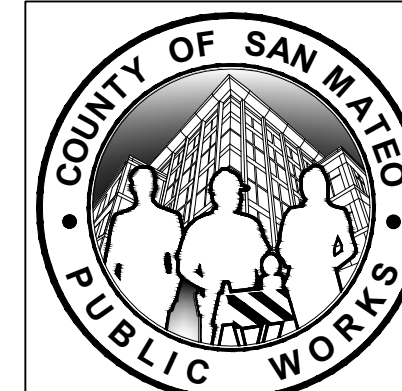
DETAIL OF SHEET STOCK SIZES DETAIL OF GALVANIZED STEEL INSERT N.T.S.

B
10

CALIFORNIA WATER SERVICE COMPANY VALVE CASING, COVER, AND FRAME INSTALLATION DETAILS (NOT TO SCALE)

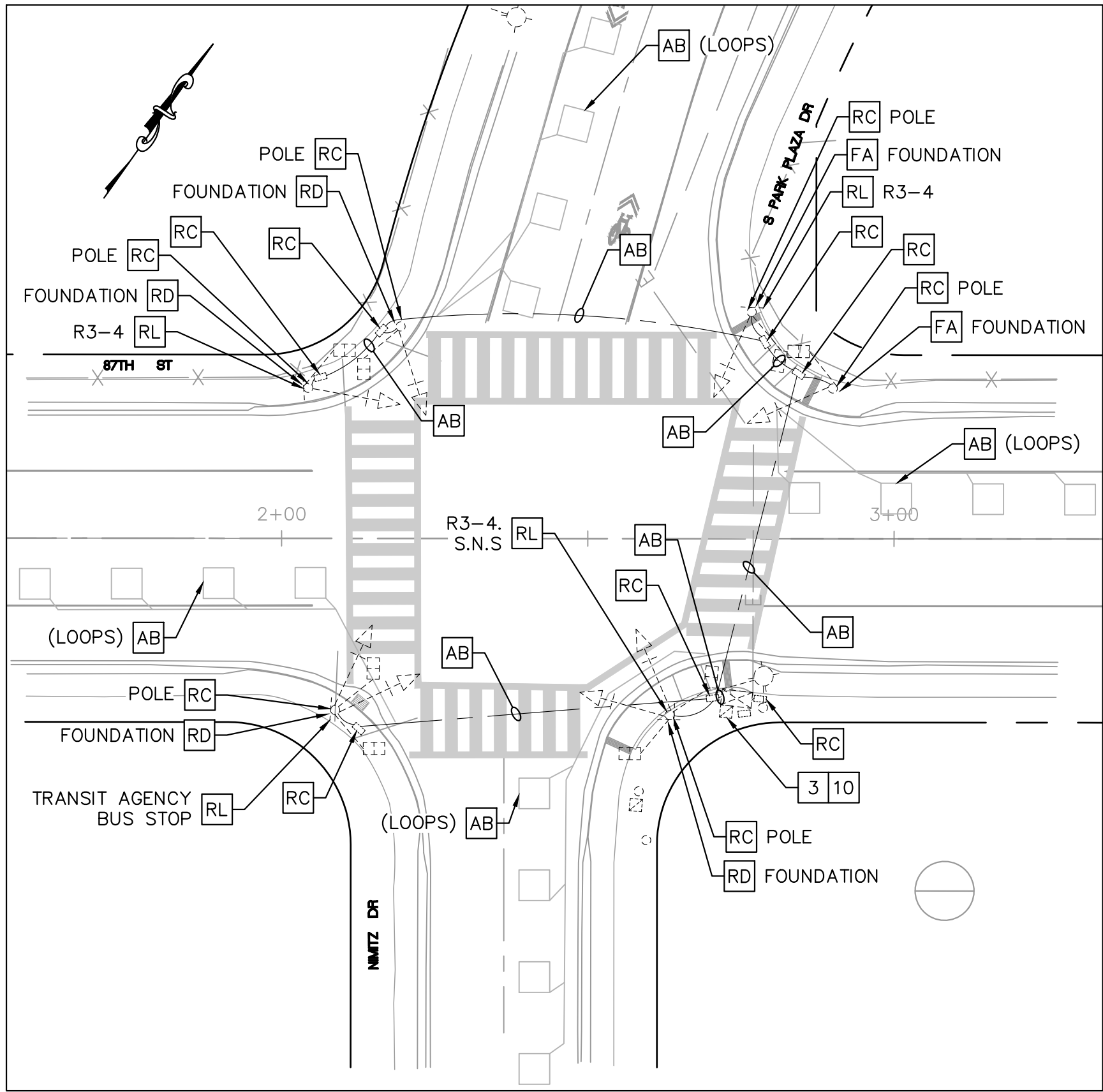
D
10

MODIFY INLET DETAIL (NOT TO SCALE)



DESIGNED BY: AZ		BROADMOOR SAFE ROUTES TO SCHOOL		SCALE: AS SHOWN
CHECKED BY: WN		PEDESTRIAN IMPROVEMENTS PROJECT		DATE: 07-29-2022
DRAWN BY: AZ		CONSTRUCTION DETAILS 2 OF 2		FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		10 SHEET 10 OF 18
REVISION	DATE	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		
		0 1 2 3 4		

FILENAME: F:\USERS\DESIGN\CSO\ES050000_BROADMOOR_SRTS\1 DWG\ES050000-10.DWG (LAYOUT 10)



REMOVAL PLAN
SCALE: 1"=20'

ABBREVIATIONS

- AB ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
DH DETECTOR HANDHOLE.
FA FOUNDATION TO BE ABANDONED.
RC EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR.
RD REMOVE AND DISPOSE.
RL RELOCATE EQUIPMENT.

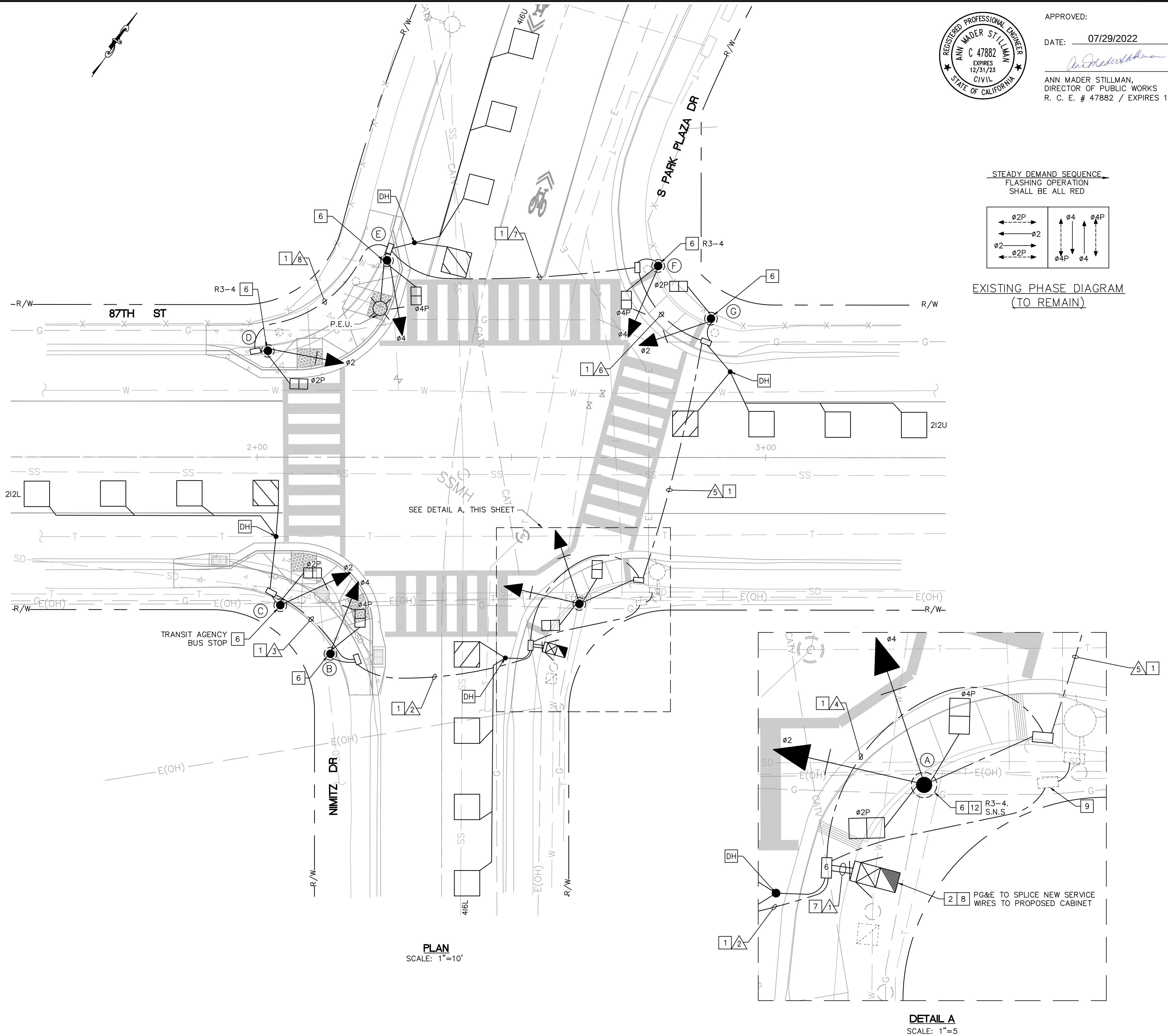
S.N.S STREET NAME SIGN

CONSTRUCTION NOTES

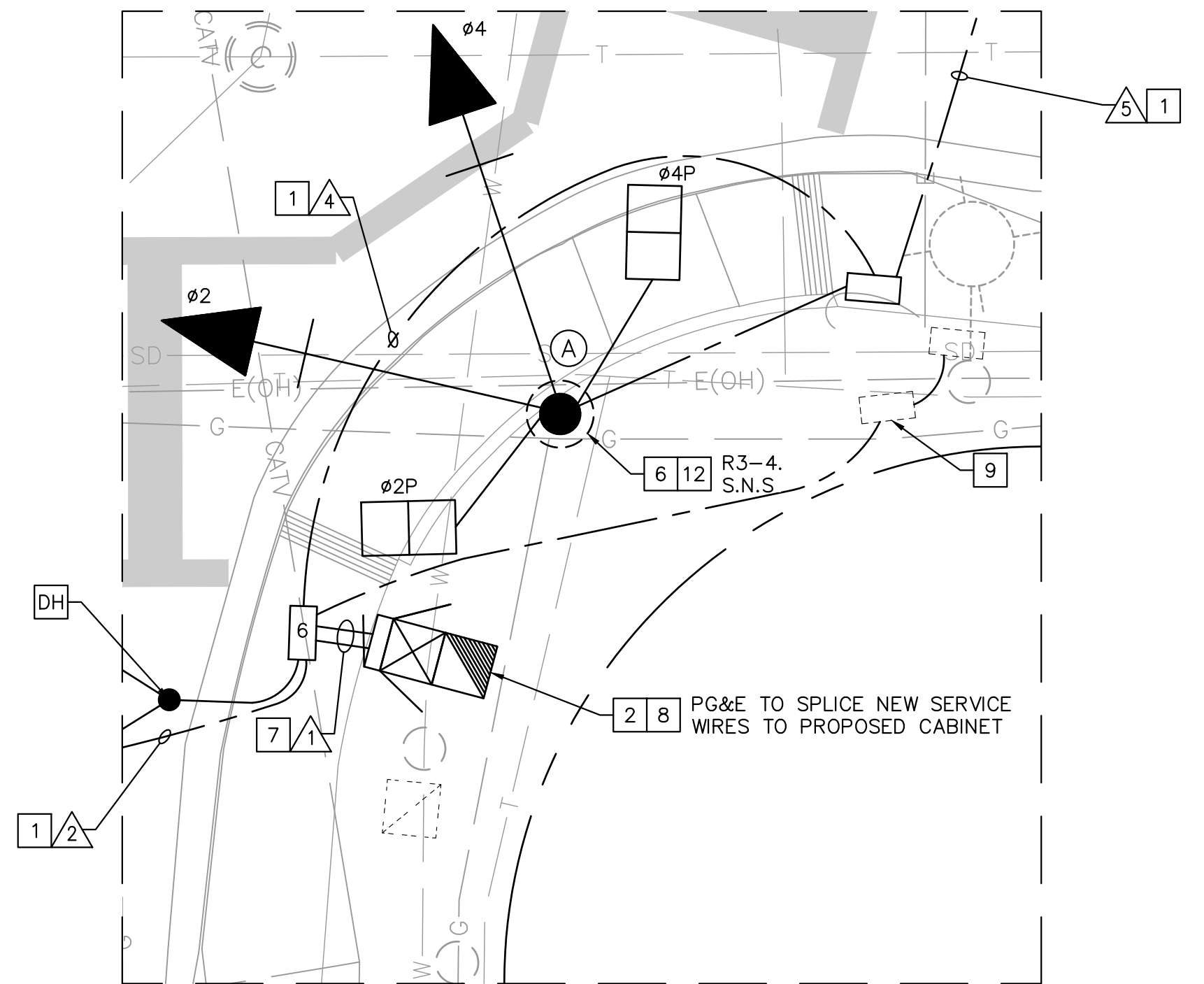
- FURNISH AND INSTALL 3" PVC CONDUIT. SEE DETAIL A ON NEXT SHEET (POLE AND EQUIPMENT SCHEDULE).
- FURNISH AND INSTALL TYPE 332L CABINET WITH BATTERY BACKUP SYSTEM ATTACHED, FOUNDATION, AND MODEL 2070 CONTROLLER WITH THE LATEST COUNTY APPROVED FIRMWARE. FOUNDATION SHALL BE PER CALTRANS STANDARD PLAN ES-3C.
- REMOVE AND SALVAGE EXISTING TYPE II SERVICE PEDESTAL, AND REMOVE AND DISPOSE EXISTING FOUNDATION. EXISTING PEDESTAL SHALL BE REMOVED ONLY AFTER NEW SERVICE PEDESTAL IS ENERGIZED.
- FURNISH AND INSTALL TOUCHLESS ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM. FURNISH AND INSTALL NEW CONDUCTOR BETWEEN PUSH BUTTON AND CORRESPONDING PEDESTRIAN SIGNAL HEAD AS REQUIRED BY THE APS MANUFACTURER.
- FURNISH AND INSTALL 2-3" PVC CONDUIT.
- FURNISH AND INSTALL NEW TYPE II SERVICE PEDESTAL. MAKE ALL NECESSARY CONNECTIONS.
- SPlice EXISTING CONDUCTORS BETWEEN EXISTING HOME RUN PULL BOX AND PROPOSED HOME RUN PULL BOX. ONCE NEW CABINET IS INSTALLED AND CONNECTED TO EXISTING SIGNAL SYSTEM, REMOVE AND DISPOSE OF EXISTING CABINET AND HOME RUN PULL BOX.
- EXISTING CABINET AND PULL BOXES SHALL REMAIN IN PLACE UNTIL CONNECTIONS TO PROPOSED CABINET HAVE BEEN MADE.
- FURNISH AND INSTALL TEMPORARY SIGNAL POLE PRIOR TO REMOVAL OF EXISTING POLE.

GENERAL NOTES

EXISTING SIGNAL SYSTEM SHALL REMAIN IN PLACE PRIOR TO ACTIVATION OF THE NEW SYSTEM. THE CONTRACTOR SHALL CUT OVER TO THE NEW SIGNAL SYSTEM ONCE PG&E HAS ENERGIZED NEW SERVICE PEDESTAL AND NEW SIGNAL SYSTEM IS POWERED.

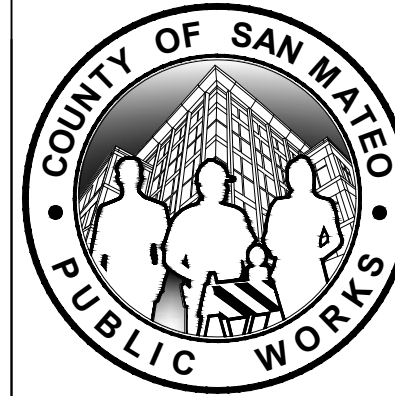


PLAN
SCALE: 1"=10'



DETAIL A
SCALE: 1"=5'

APPROVED DATE:	
	
JOE ARROYO, P.E.	
KIMLEY-HORN	
R.C.E. # 88456 / EXPIRES 03-31-2024	



DESIGNED BY: JEA	BROADMOOR SAFE ROUTES TO SCHOOL	SCALE: AS SHOWN
CHECKED BY: KGA	PEDESTRIAN IMPROVEMENTS PROJECT	DATE: 07-29-2022
DRAWN BY: ASW	TRAFFIC AND SIGNAL PLAN - S PARK PLAZA DR AND 87TH ST	FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4	11 SHEET 11 OF 18



APPROVED:

DATE: 07/29/2022

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

CONDUCTOR AND CONDUIT SCHEDULE

CONDUCTOR	CONDUCTOR RUN	1	2	3	4	5	6	7	8
No. 14	Ø2	6	3	3	3	3	3	3	3
	Ø4	6	3	—	3	3	3	3	—
	Ø2P	4	2	2	2	2	2	2	2
	Ø4P	4	2	—	2	2	2	2	—
	APS(Ø2P)	4	2	—	2	2	2	2	—
	APS(Ø4P)	4	2	2	2	2	2	2	2
	PPB 120 V NEUTRAL	1	1	1	1	1	1	1	1
	SPARES	1	1	1	1	1	1	1	1
	PEU	1	—	—	1	1	1	1	—
	TOTAL	31	16	9	17	17	17	17	9
No. 10	SIGNAL COMMON	2	1	1	1	1	1	1	1
	TOTAL	2	1	1	1	1	1	1	1
No. 8	LUMINAIRES	1	—	—	1	1	1	1	—
	GROUND (BARE WIRE)	1	—	—	1	1	1	1	—
	TOTAL	2	—	—	2	2	2	2	—
No. 6	SIGNAL SERVICE	1	—	—	—	—	—	—	—
	TOTAL	1	—	—	—	—	—	—	—
DETECTOR LEAD-IN CABLE	Ø2	2	1	1	1	1	—	—	—
	Ø4	2	—	—	1	1	1	1	—
	TOTAL	4	1	1	2	2	1	1	—
	PERCENT FILL	7%	7%	6%	11%	10%	8%	7%	2%
	CONDUIT SIZE (INCHES)	2-3"	3"	3"	3"	3"	3"	3"	3"

ALL CONDUITS AND CONDUCTORS ARE NEW, UNLESS OTHERWISE NOTED.
NEW CONDUIT TO BE INSTALLED PER DETAIL A.
*CABLES PER MANUFACTURER

POLE AND EQUIPMENT SCHEDULE

NO.	STANDARD		VEH SIG MTG		PED SIGNAL	APS		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SIG M.A.	LUM M.A.	MAST ARM		MTG	Ø	ARROW	
Ⓐ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓑ	1-B	-	-	-	TV-1-T	SP-1-T	Ø2	←	-
Ⓒ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	→	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓓ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓔ	15TS	-	12	-	SV-1-T	SP-1-T	Ø2	→	100W
Ⓕ	1-B	-	-	-	TV-1-T	SP-1-T	Ø2	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓖ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	→	-

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

MOUNTING HEIGHT OF PEDESTRIAN PUSH BUTTONS SHALL BE FURNISHED 42" ABOVE SIDEWALK SURFACE.

ALL VEHICLE INDICATIONS SHALL BE 12" L.E.D.

PEDESTRIAN PUSH BUTTON SIGNS SHALL MEET MUTCD R10-3A UNLESS OTHERWISE NOTED BY THE ENGINEER.

NOTES:

1. SAND.... MATERIAL FREE FROM ORGANIC MATTER AND CLAY WITH A SIEVE GRADATION BY WEIGHT AS FOLLOWS:

SIEVE SIZE	% PASSING SIEVE
No. 4	100
No. 200	0-5

2. STRUCTURE BACKFILL MATERIAL.... MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY WEIGHT AS FOLLOWS:

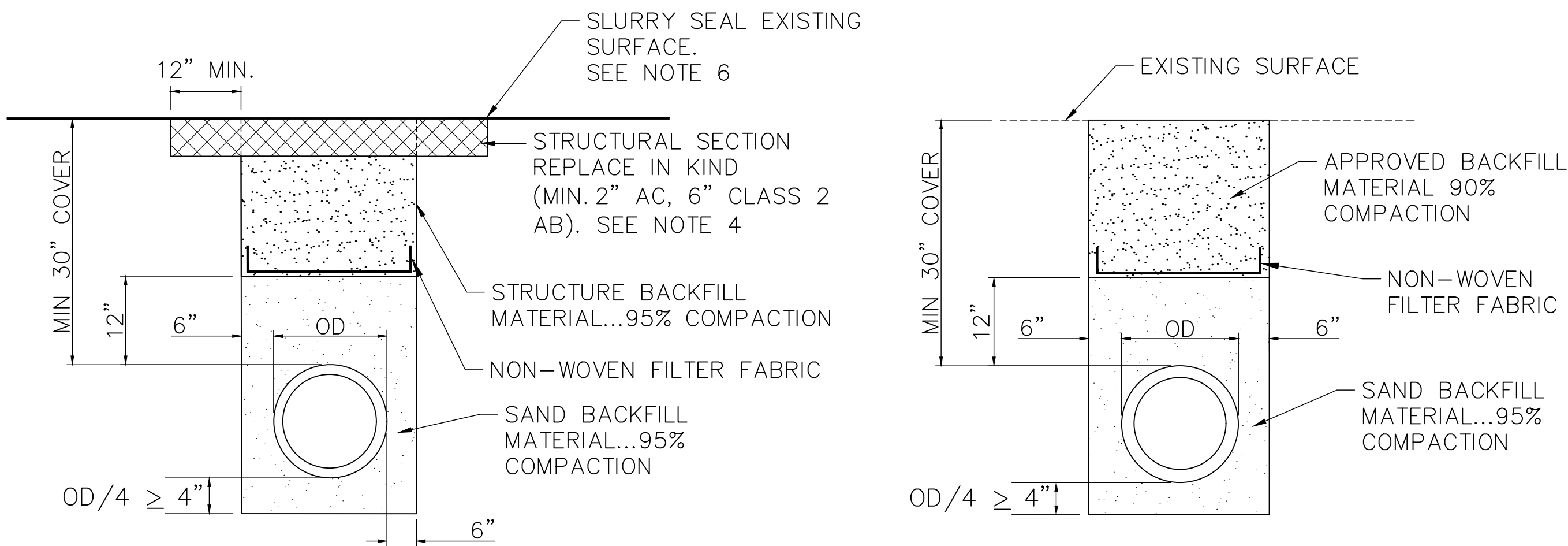
SIEVE SIZE	% PASSING SIEVE
3"	100
No. 4	35-100
No. 200	20-100

3. BACKFILL MATERIAL.... MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3 INCHES GREATEST DIMENSION, ORGANIC MATTER, OR OTHER UNSATISFACTORY MATERIAL.

4. ON TRENCHES THAT PARALLEL THE ROAD AND ARE WITHIN EXISTING BICYCLE LANES, THE WIDTH OF THE STRUCTURAL SECTION SHALL BE GREATER THAN OR EQUAL TO THE WIDTH OF THE EXISTING BICYCLE LANE, WHICHEVER IS WIDER. PAVING JOINTS WITHIN BICYCLE LANES ARE NOT ALLOWED.

5. IF PERMEABLE BACKFILL USED IN PIPE ZONE, NON-WOVEN FILTER FABRIC SHALL BE PLACED AS SHOWN PRIOR TO BACKFILLING ABOVE PIPE ZONE. FILTER FABRIC JOINTS SHALL BE LAPPED 6" LONGITUDINALLY.

6. FULL WIDTH SLURRY SHALL BE APPLIED TO THE FINISH SURFACE FROM EDGE OF PAVEMENT WHEN THERE IS A MAIN OR LATERAL LINE INSTALLATION THAT IS GREATER THAN 100 FEET IN TOTAL LENGTH. SLURRY SEAL SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS. SPREAD RATE TO BE 17 LBS/SY (±1).

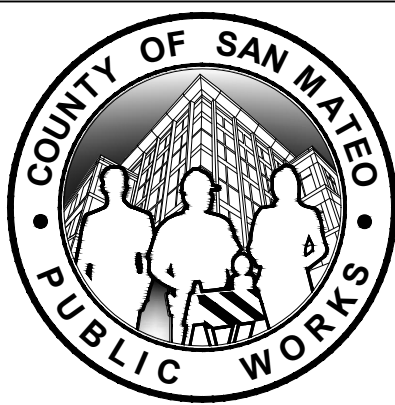


TYPE A (IN ROADWAY)

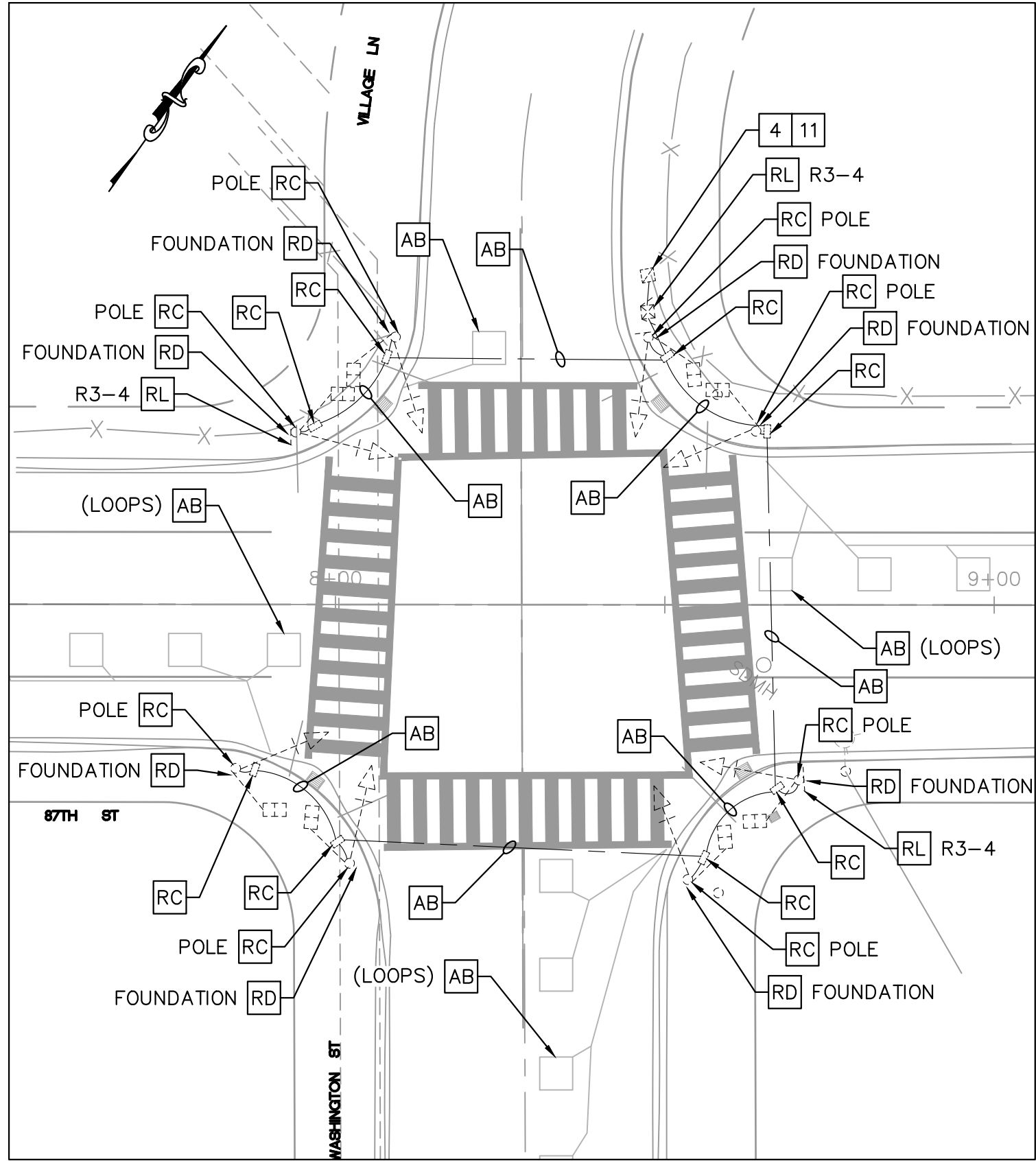
TYPE B (OUTSIDE ROADWAY)

DETAIL A:
STANDARD TRENCH BACKFILL AND BEDDING DETAIL
FOR GAS, CABLE, FIBER OPTICS INSTALLATIONS

APPROVED DATE:	
JOE ARROYO, P.E.	
KIMLEY-HORN	
R.C.E. # 88456 / EXPIRES 03-31-2024	



DESIGNED BY: JEA	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT		SCALE: AS SHOWN
CHECKED BY: KGA			DATE: 07-29-2022
DRAWN BY: ASW	TRAFFIC AND SIGNAL PLAN - 8 PARK PLAZA DR AND 87TH ST		FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4		12 SHEET 12 OF 18



REMOVAL PLAN
SCALE: 1"=20'

ABBREVIATIONS

- [AB] ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
[DH] DETECTOR HANDHOLE.
[FA] FOUNDATION TO BE ABANDONED.
[RC] EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR.
[RD] REMOVE AND DISPOSE.
[RL] RELOCATE EQUIPMENT.

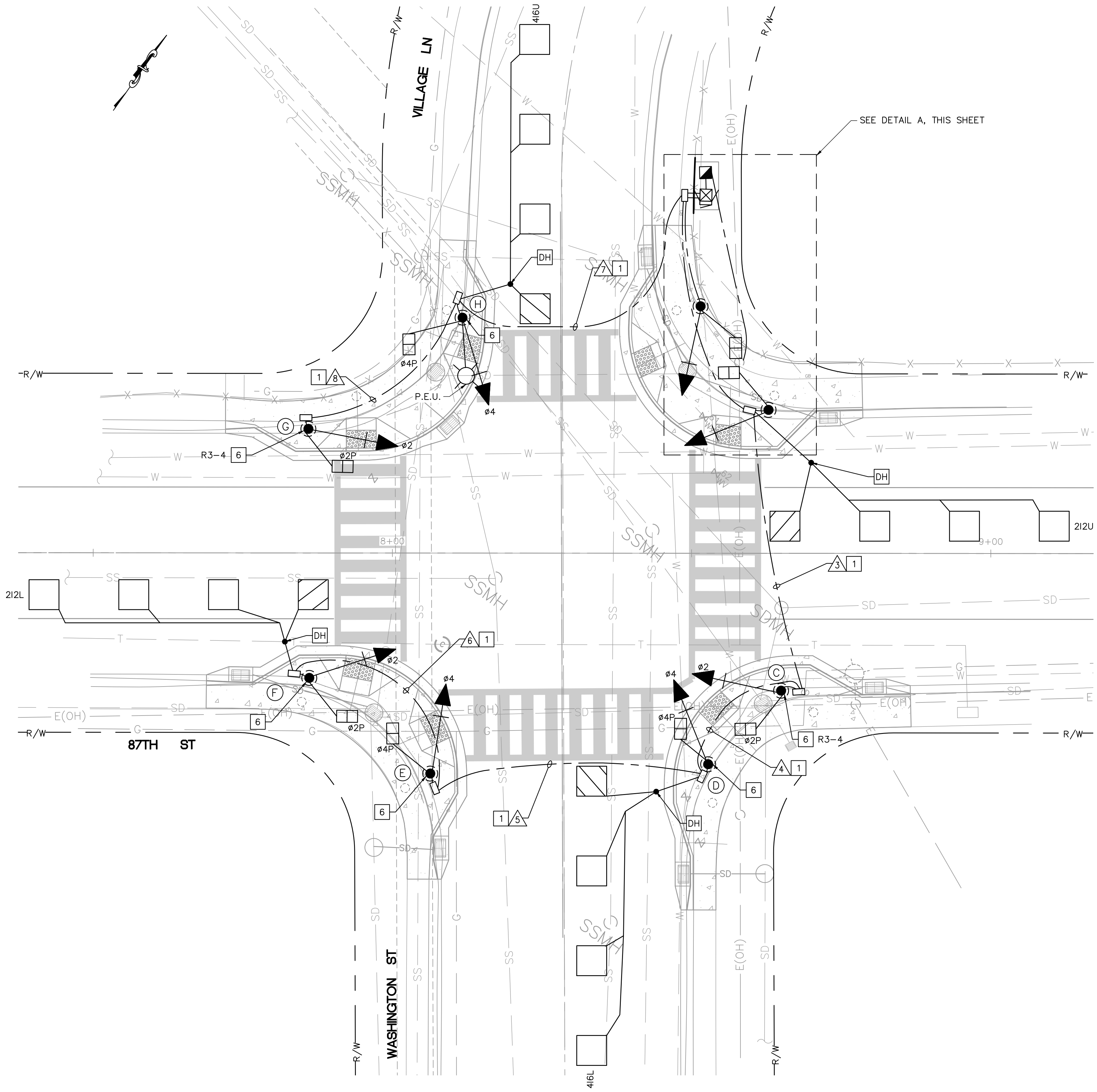
S.N.S STREET NAME SIGN

CONSTRUCTION NOTES

- 1 FURNISH AND INSTALL 3" PVC CONDUIT. SEE DETAIL A ON NEXT SHEET (POLE AND EQUIPMENT SCHEDULE).
2 FURNISH AND INSTALL TYPE 332L CABINET WITH BATTERY BACKUP SYSTEM ATTACHED, FOUNDATION, AND MODEL 2070 CONTROLLER WITH THE LATEST COUNTY APPROVED FIRMWARE. FOUNDATION SHALL BE PER CALTRANS STANDARD PLAN ES-3C.
4 REMOVE AND SALVAGE EXISTING TYPE III SERVICE PEDESTAL, AND REMOVE AND DISPOSE EXISTING FOUNDATION.
5 FURNISH AND INSTALL NEW TYPE III SERVICE PEDESTAL ON NEW FOUNDATION.
6 FURNISH AND INSTALL TOUCHLESS ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM. FURNISH AND INSTALL NEW CONDUCTOR BETWEEN PUSH BUTTON AND CORRESPONDING PEDESTRIAN SIGNAL HEAD AS REQUIRED BY THE APS MANUFACTURER.
11 REMOVE EXISTING SERVICE PEDESTAL AFTER PROPOSED SERVICE PEDESTAL HAS BEEN ENERGIZED.

GENERAL NOTES

EXISTING SIGNAL SYSTEM SHALL REMAIN IN PLACE PRIOR TO ACTIVATION OF THE NEW SYSTEM. THE CONTRACTOR SHALL CUT OVER TO THE NEW SIGNAL SYSTEM ONCE PG&E HAS ENERGIZED NEW SERVICE PEDESTAL AND NEW SIGNAL SYSTEM IS POWERED.



PLAN
SCALE: 1"=10'

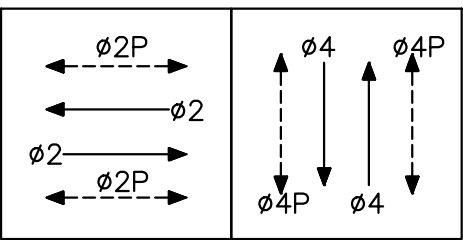


APPROVED:

DATE: 07/29/2022

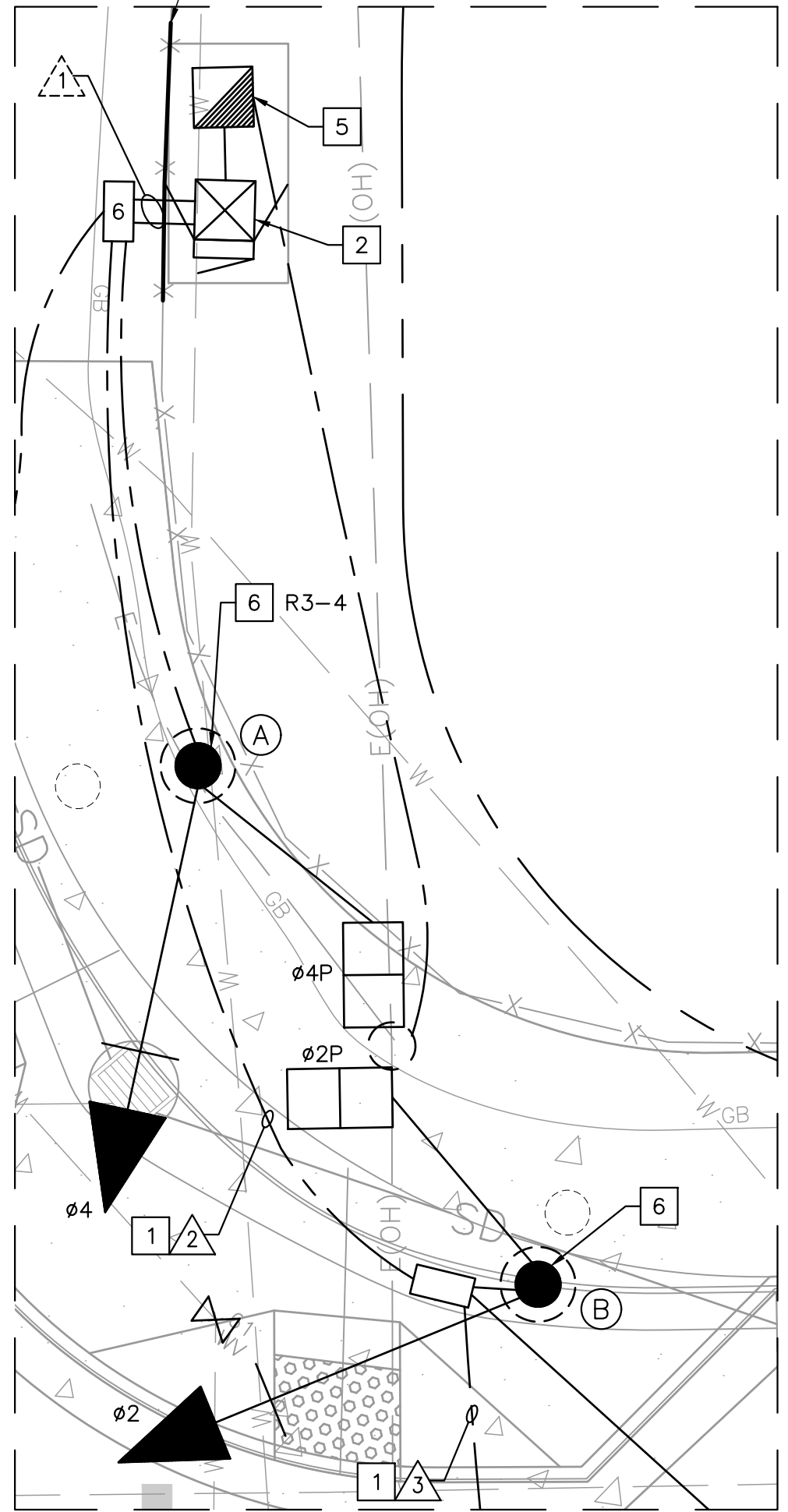
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

STEADY DEMAND SEQUENCE
FLASHING OPERATION
SHALL BE ALL RED



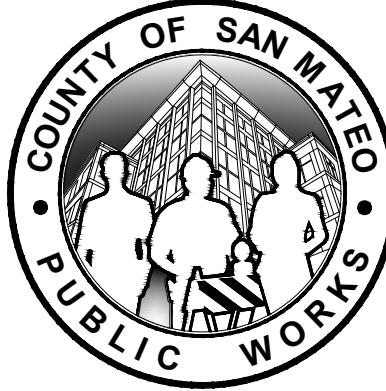
EXISTING PHASE DIAGRAM
(TO REMAIN)

REMOVE EXISTING FENCE IN COUNTY RIGHT OF WAY TO PROVIDE ACCESS TO PROPOSED CONTROLLER CABINET LOCATION. LIMITS OF FENCE REMOVAL AS SHOWN (APPROXIMATE ONLY).



DETAIL A
SCALE: 1"=5'

APPROVED DATE:
JOE ARROYO, P.E.
KIMLEY-HORN
R.C.E. # 88456 / EXPIRES 03-31-2024



DESIGNED BY: JEA	BROADMOOR SAFE ROUTES TO SCHOOL	SCALE: AS SHOWN
CHECKED BY: KGA	PEDESTRIAN IMPROVEMENTS PROJECT	DATE: 07-29-2022
DRAWN BY: ASW	TRAFFIC AND SIGNAL PLAN - WASHINGTON ST AND 87TH ST	FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4	13 SHEET 13 OF 18



APPROVED:
DATE: 07/29/2022
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

CONDUCTOR AND CONDUIT SCHEDULE									
CONDUCTOR	CONDUCTOR RUN	1	2	3	4	5	6	7	8
No. 14	Ø2	6	3	3	3	3	3	3	3
	Ø4	6	3	3	3	3	-	3	-
	Ø2P	4	2	2	2	2	2	2	2
	Ø4P	4	2	2	2	2	-	2	-
	APS(Ø2P)	4	2	2	2	2	-	2	-
	APS(Ø4P)	4	2	2	2	2	2	2	2
	PPB 120 V NEUTRAL	1	1	1	1	1	1	1	1
	SPARES	1	1	1	1	1	1	1	1
	PEU	1	-	-	-	-	-	1	-
	TOTAL	31	16	16	16	16	9	17	9
No. 10	SIGNAL COMMON	2	1	1	1	1	1	1	1
	TOTAL	2	1	1	1	1	1	1	1
No. 8	LUMINAIRES	2	1	1	-	-	-	1	-
	GROUND (BARE WIRE)	1	1	1	-	-	-	1	-
	TOTAL	3	2	2	-	-	-	2	-
No. 6	SIGNAL SERVICE	1	-	-	-	-	-	-	-
	TOTAL	1	-	-	-	-	-	-	-
DETECTOR LEAD-IN CABLE	Ø2	2	2	1	1	1	1	-	-
	Ø4	2	1	1	1	-	-	1	-
	TOTAL	4	3	2	2	1	1	1	-
	PERCENT FILL	8%	10%	8%	9%	7%	3%	7%	2%
	CONDUIT SIZE (INCHES)	2-3"	3"	3"	3"	3"	3"	3"	3"

ALL CONDUITS AND CONDUCTORS ARE NEW, UNLESS OTHERWISE NOTED.
NEW CONDUIT TO BE INSTALLED PER DETAIL A.
*CABLES PER MANUFACTURER

NO.	STANDARD		VEH SIG MTG		PED SIGNAL	APS		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SIG M.A.	LUM M.A.	MAST ARM		MTG	Ø	ARROW	
Ⓐ	1-B	-	-	-	TV-1-T	SP-1-T	Ø2	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓑ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	→	-
Ⓒ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓓ	1-B	-	-	-	TV-1-T	SP-1-T	Ø2	→	-
Ⓔ	1-B	-	-	-	TV-1-T	SP-1-T	-	-	-
Ⓕ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	→	-
Ⓖ	1-B	-	-	-	TV-1-T	SP-1-T	Ø4	←	REMOVE AND REPLACE SIGN FROM EXISTING POLE TO NEW POLE. SIGN AS DENOTED ON PLANS.
Ⓗ	15TS	-	12	-	SV-1-T	SP-1-T	Ø2	→	100W

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

MOUNTING HEIGHT OF PEDESTRIAN PUSH BUTTONS SHALL BE FURNISHED 42" ABOVE SIDEWALK SURFACE.

ALL VEHICLE INDICATIONS SHALL BE 12" L.E.D.

PEDESTRIAN PUSH BUTTON SIGNS SHALL MEET MUTCD R10-3A UNLESS OTHERWISE NOTED BY THE ENGINEER.

NOTES:

1. SAND.... MATERIAL FREE FROM ORGANIC MATTER AND CLAY WITH A SIEVE GRADATION BY WEIGHT AS FOLLOWS:

SIEVE SIZE	% PASSING SIEVE
No. 4	100
No. 200	0-5

2. STRUCTURE BACKFILL MATERIAL.... MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY WEIGHT AS FOLLOWS:

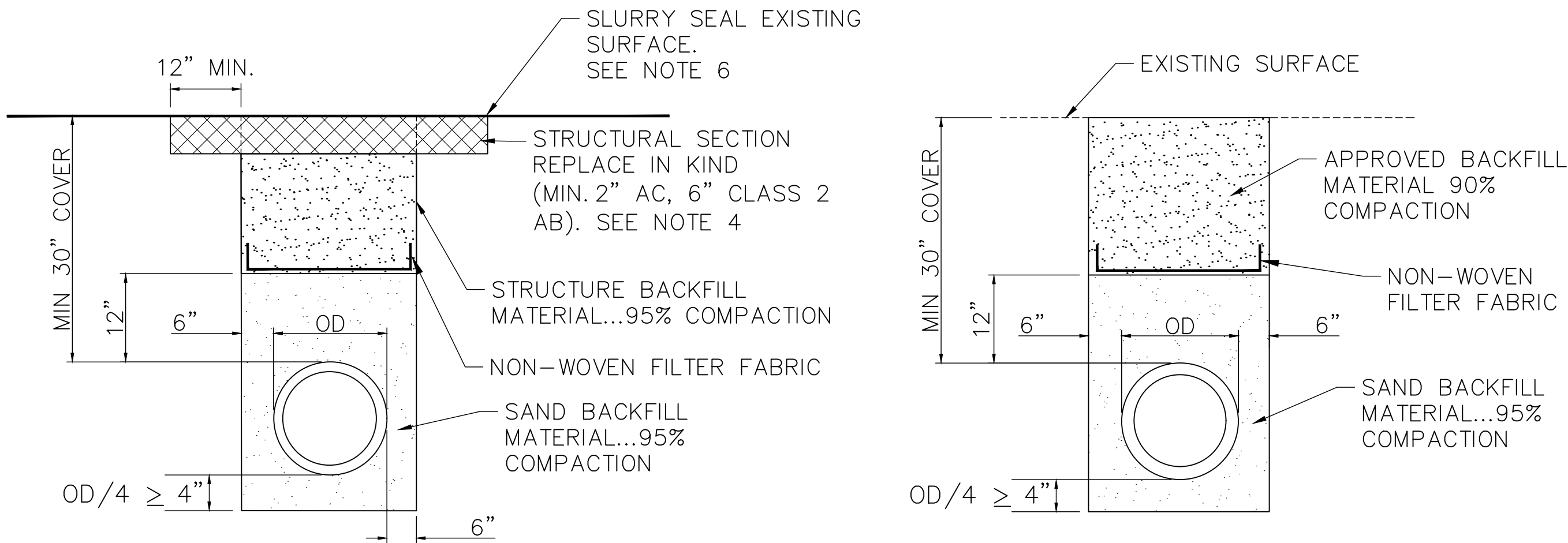
SIEVE SIZE	% PASSING SIEVE
3"	100
No. 4	35-100
No. 200	20-100

3. BACKFILL MATERIAL.... MATERIAL FROM EXCAVATION, FREE FROM STONES OR LUMPS EXCEEDING 3 INCHES GREATEST DIMENSION, ORGANIC MATTER, OR OTHER UNSATISFACTORY MATERIAL.

4. ON TRENCHES THAT PARALLEL THE ROAD AND ARE WITHIN EXISTING BICYCLE LANES, THE WIDTH OF THE STRUCTURAL SECTION SHALL BE GREATER THAN OR EQUAL TO THE WIDTH OF THE EXISTING BICYCLE LANE, WHICHEVER IS WIDER. PAVING JOINTS WITHIN BICYCLE LANES ARE NOT ALLOWED.

5. IF PERMEABLE BACKFILL USED IN PIPE ZONE, NON-WOVEN FILTER FABRIC SHALL BE PLACED AS SHOWN PRIOR TO BACKFILLING ABOVE PIPE ZONE. FILTER FABRIC JOINTS SHALL BE LAPPED 6" LONGITUDINALLY.

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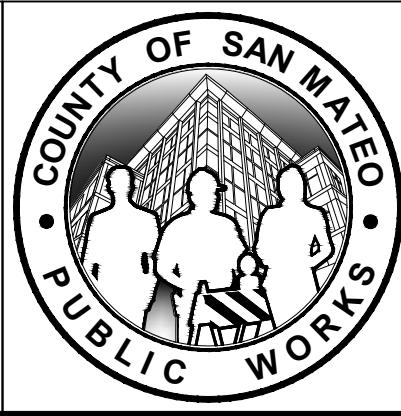


TYPE A (IN ROADWAY)

TYPE B (OUTSIDE ROADWAY)

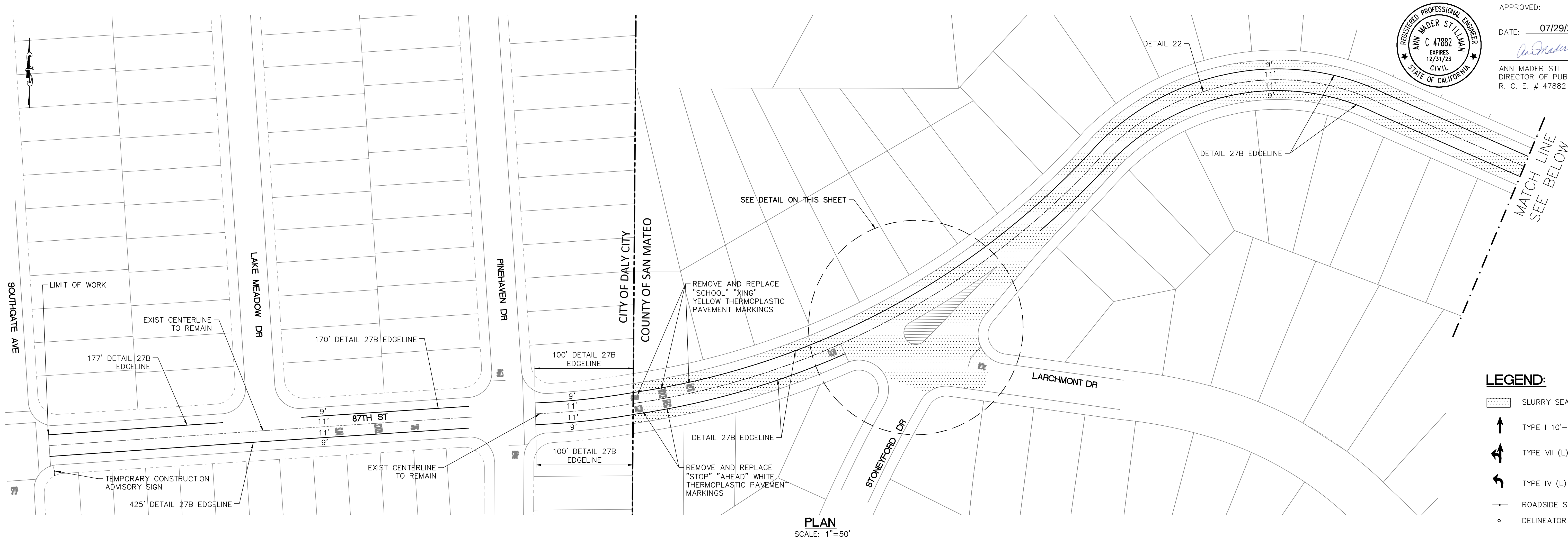
DETAIL A:
STANDARD TRENCH BACKFILL AND BEDDING DETAIL
FOR GAS, CABLE, FIBER OPTICS INSTALLATIONS

APPROVED DATE:
<i>Joe Arroyo</i>
JOE ARROYO, P.E.
KIMLEY-HORN
R.C.E. # 88456 / EXPIRES 03-31-2024



DESIGNED BY: JEA	BROADMOOR SAFE ROUTES TO SCHOOL		SCALE: AS SHOWN
CHECKED BY: KGA	PEDESTRIAN IMPROVEMENTS PROJECT		DATE: 07-29-2022
DRAWN BY: ASW	TRAFFIC AND SIGNAL PLAN - WASHINGTON ST AND 87TH ST		FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4		14 SHEET 14 OF 18

FILENAME: K:\OAK\JTS\09\RB9203 - SAN MATEO COUNTY BROADMOOR SAFE ROUTES TO SCHOOL - KGA\04_CADD\PLAN SHEETS\ES050014.DWG (ES050014)



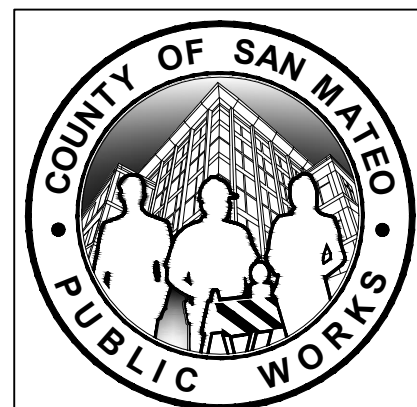
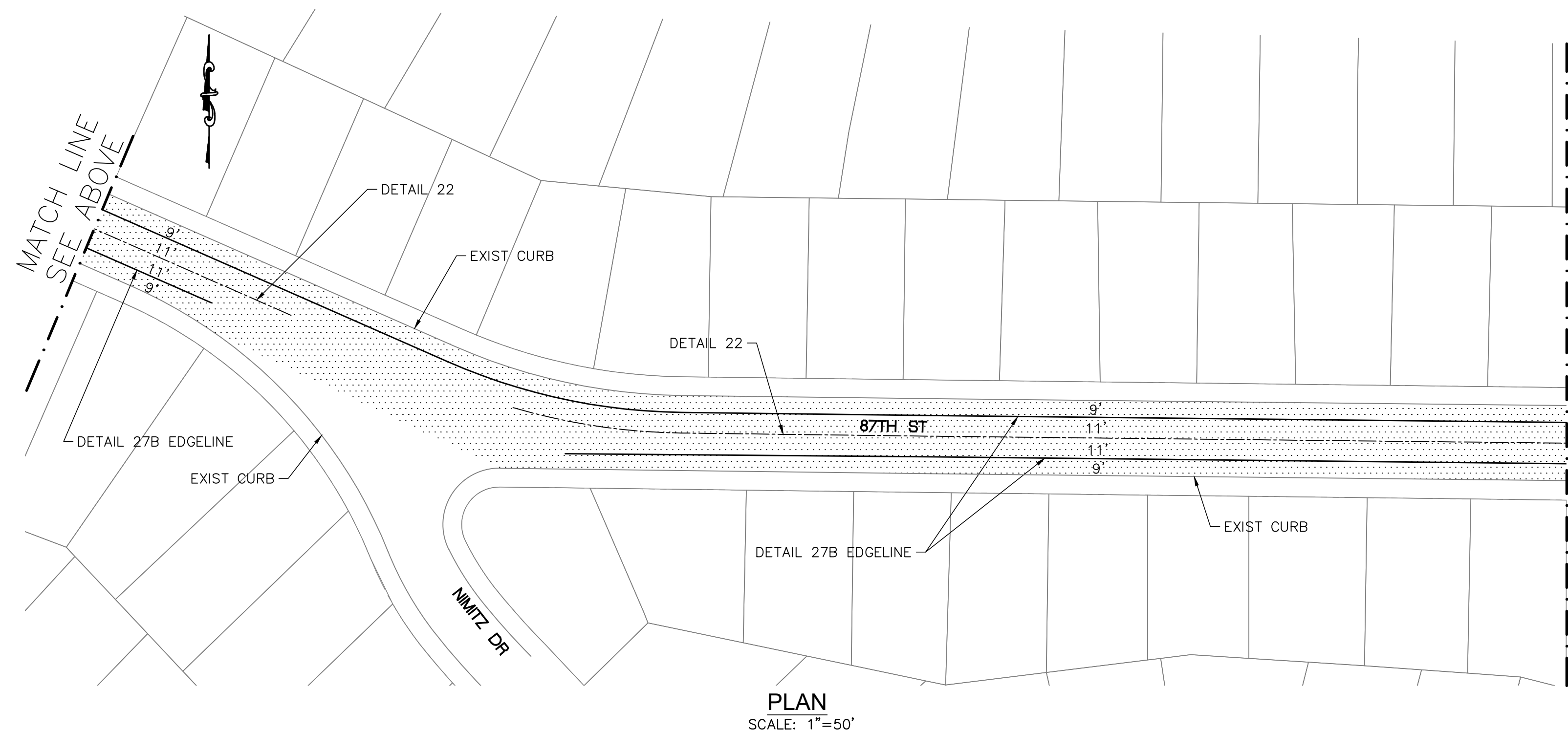
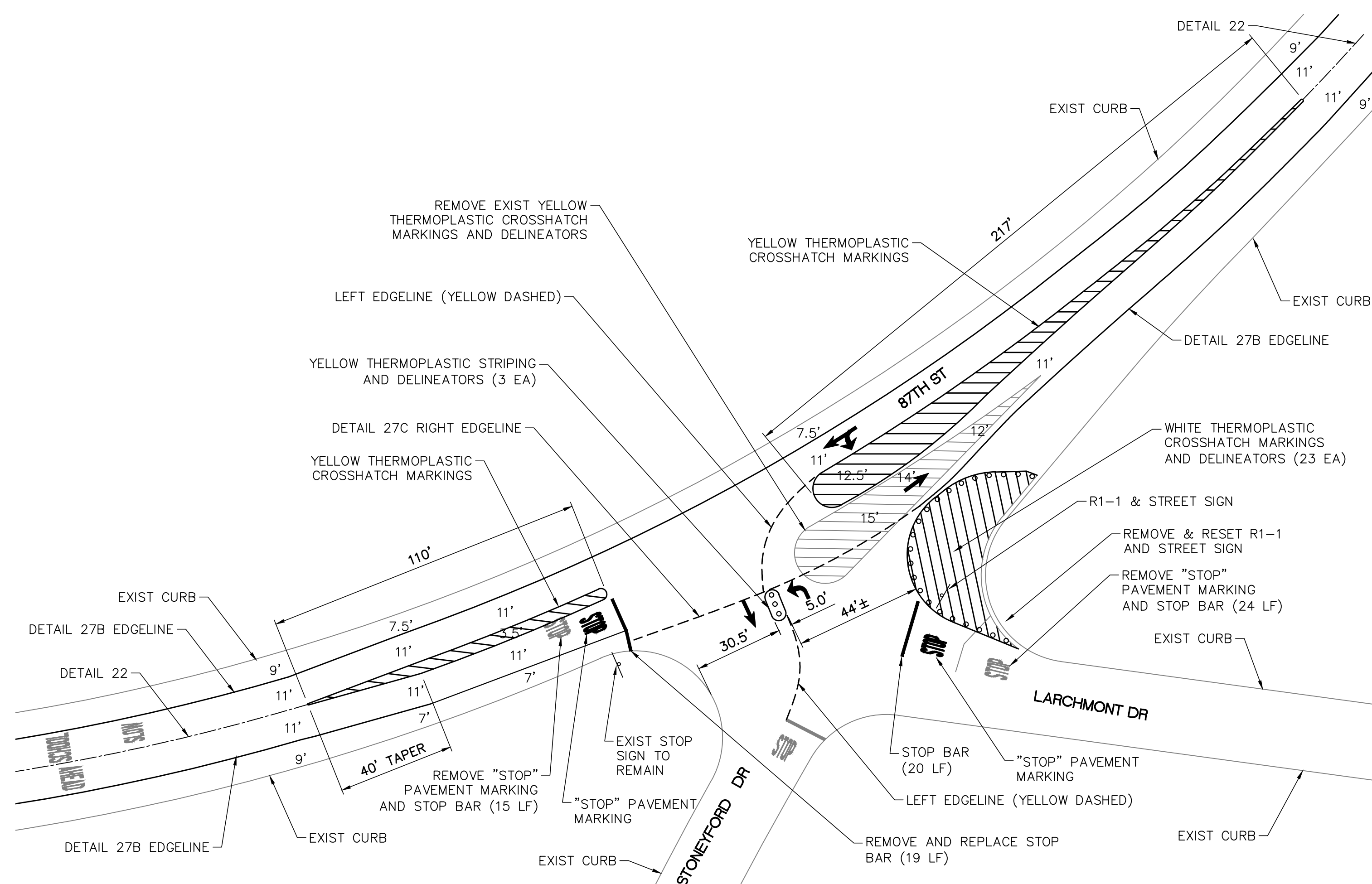
APPROVED: _____
DATE: 07/29/2022
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND:

- SLURRY SEAL
- TYPE I 10'-0" ARROW
- TYPE VII (L) ARROW
- TYPE IV (L) ARROW
- ROADSIDE SIGN
- DELINEATOR

NOTE:

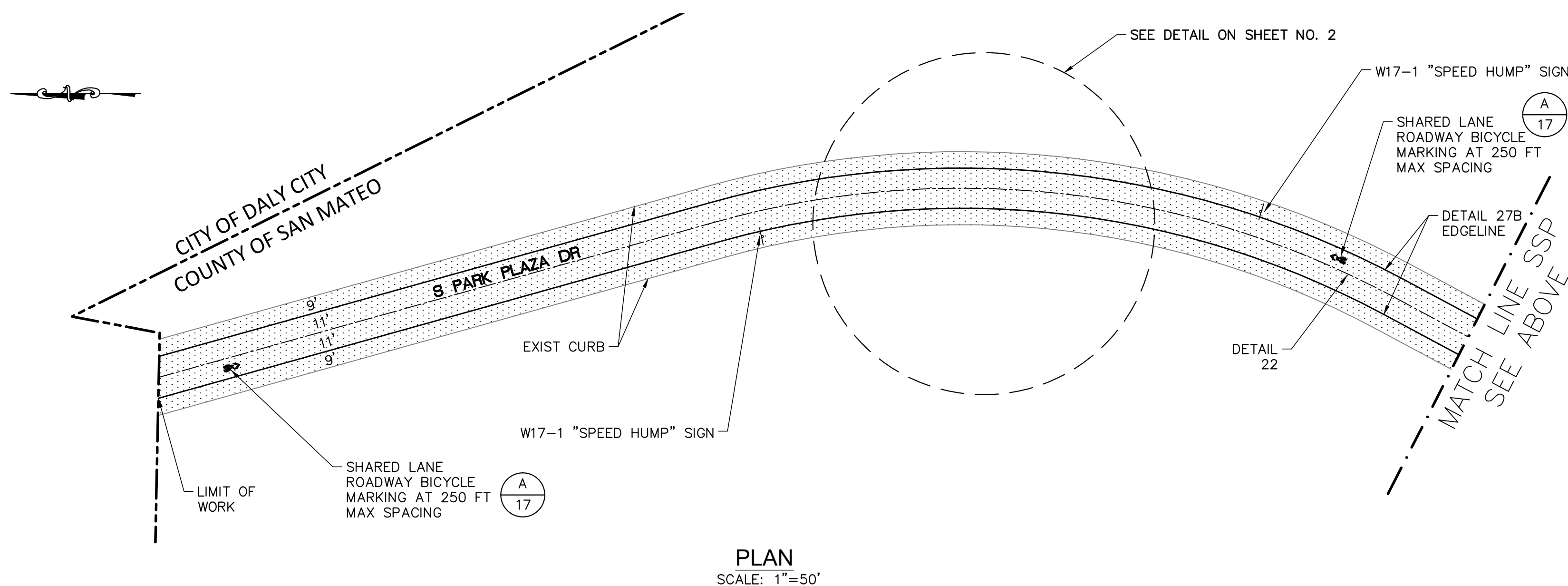
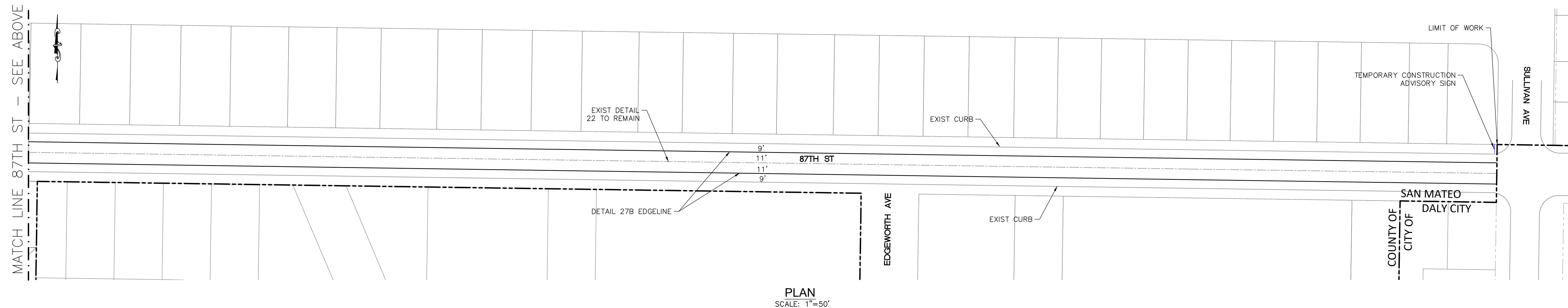
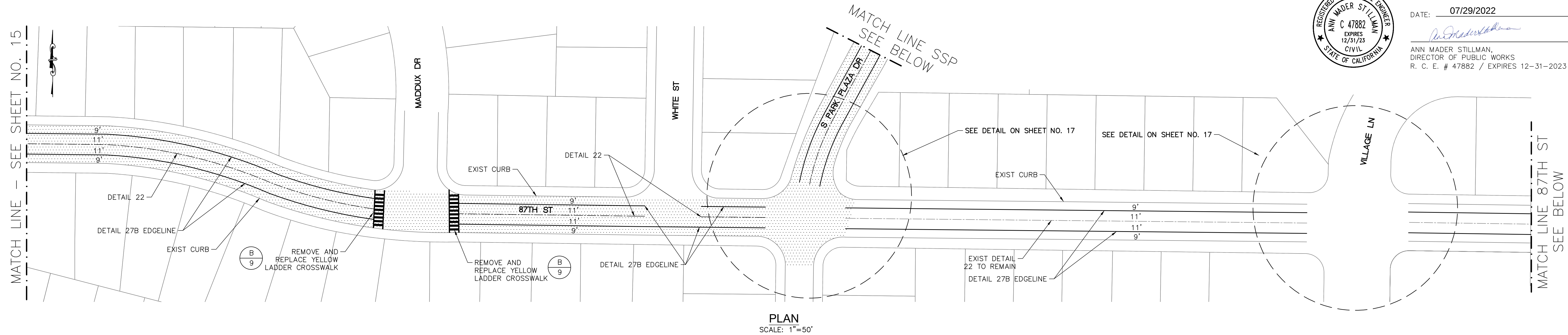
1. FINAL LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.



DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL	SCALE: AS SHOWN
CHECKED BY: WN	PEDESTRIAN IMPROVEMENTS PROJECT	DATE: 07-29-2022
DRAWN BY: AZ	SURFACE TREATMENT, SIGNING, AND STRIPING PLAN 1 OF 3	FILE NO.: 1/5050
ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES	0 1 2 3 4	15 SHEET 15 OF 18



APPROVED: _____
DATE: 07/29/2022
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

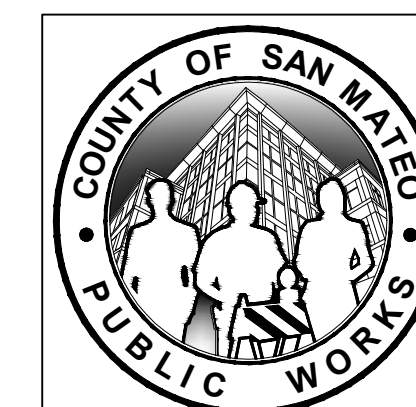


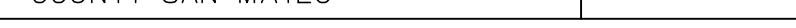
NOTE:

1. FINAL LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

- SLURRY SEAL
- ROADSIDE SIGN



		DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT SURFACE TREATMENT, SIGNING, AND STRIPING PLAN 2 OF 3	SCALE: AS SHOWN
		CHECKED BY: WN		DATE: 07-29-2022
		DRAWN BY: AZ		FILE NO.: 1/5050
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				16 SHEET 16 OF 18

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

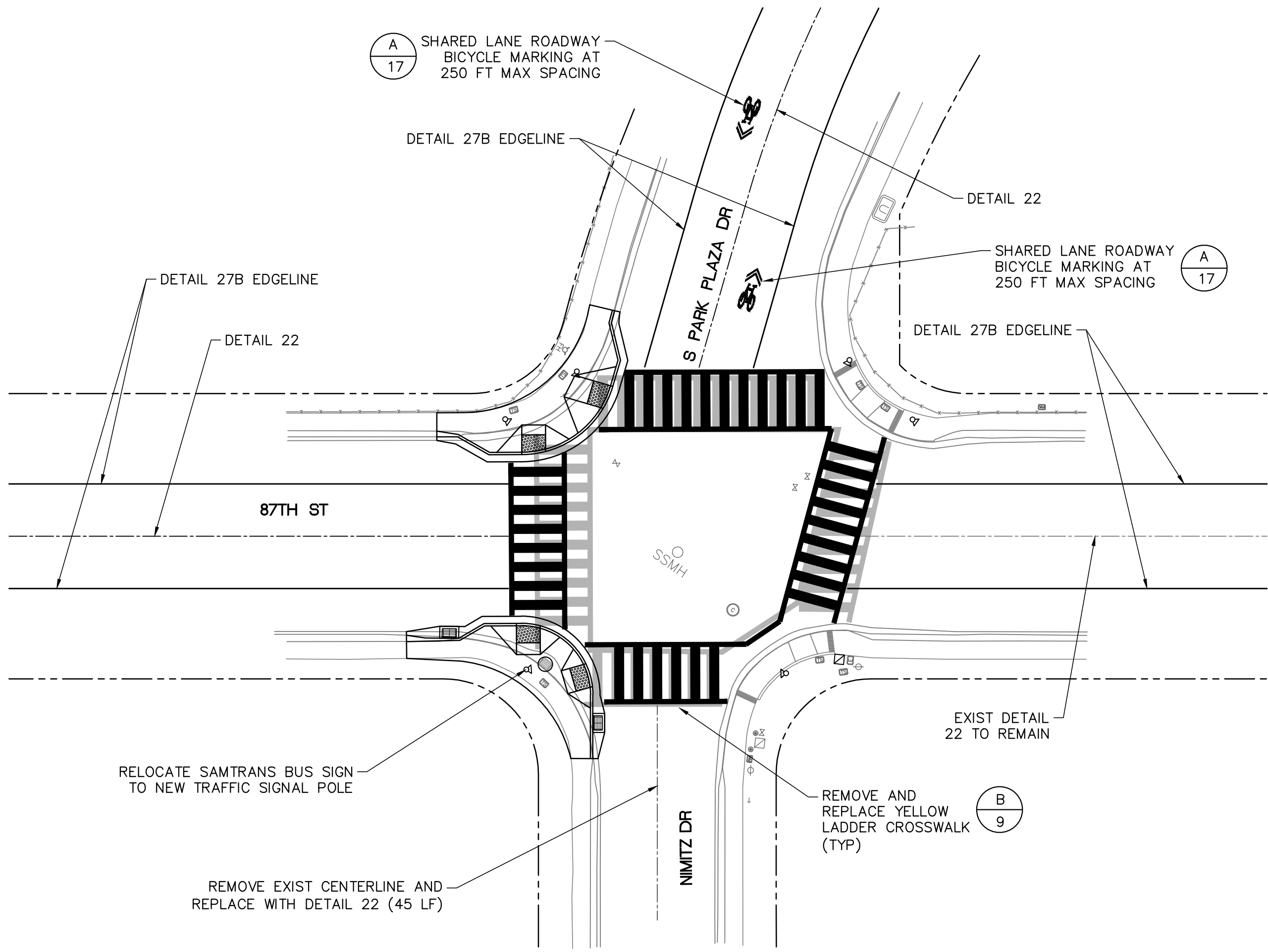




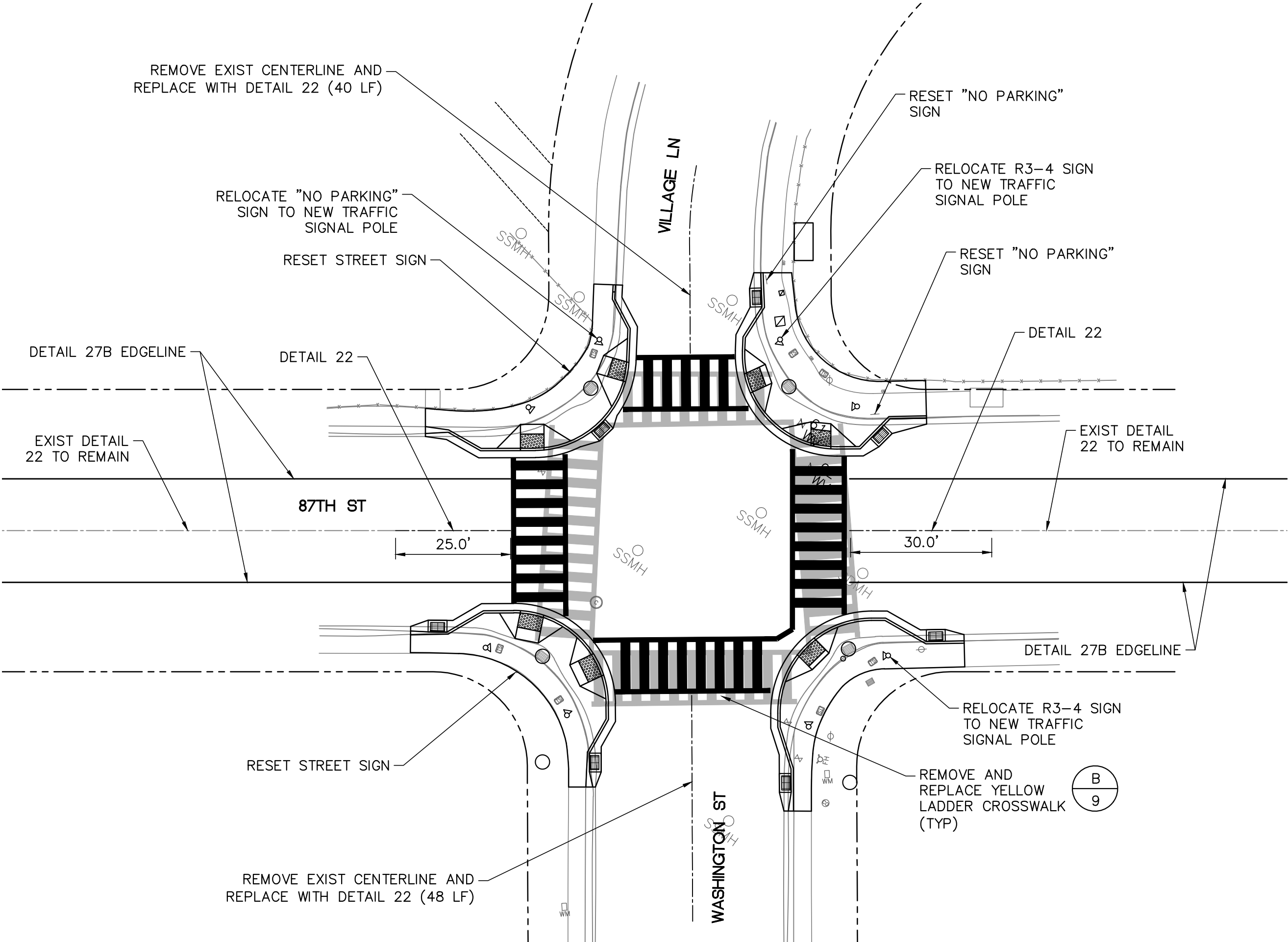
APPROVED: _____
DATE: 07/29/2022
Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTE:

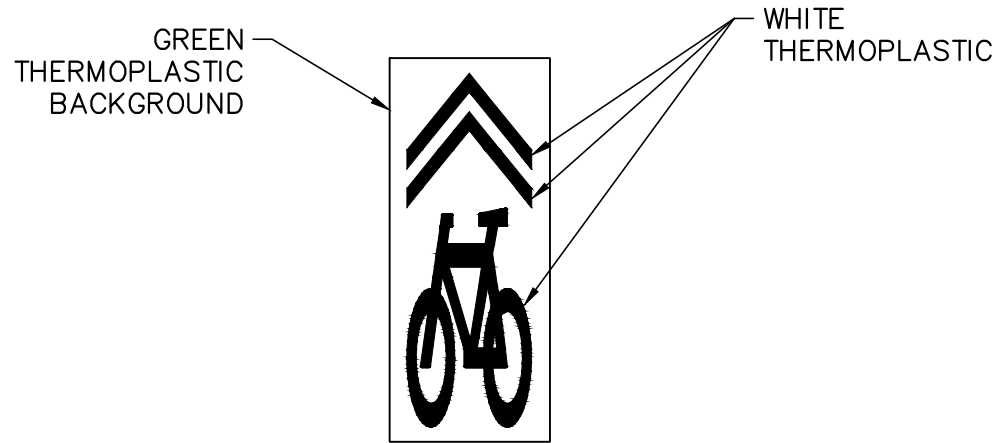
1. FINAL LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.



PLAN
SCALE: 1"=20'

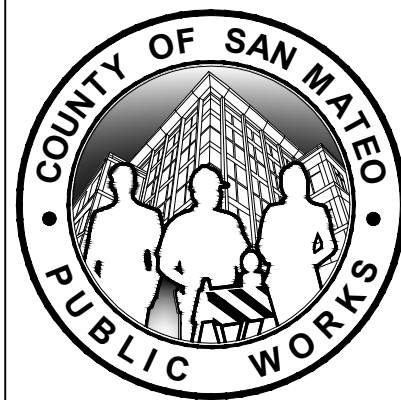


PLAN
SCALE: 1"=20'

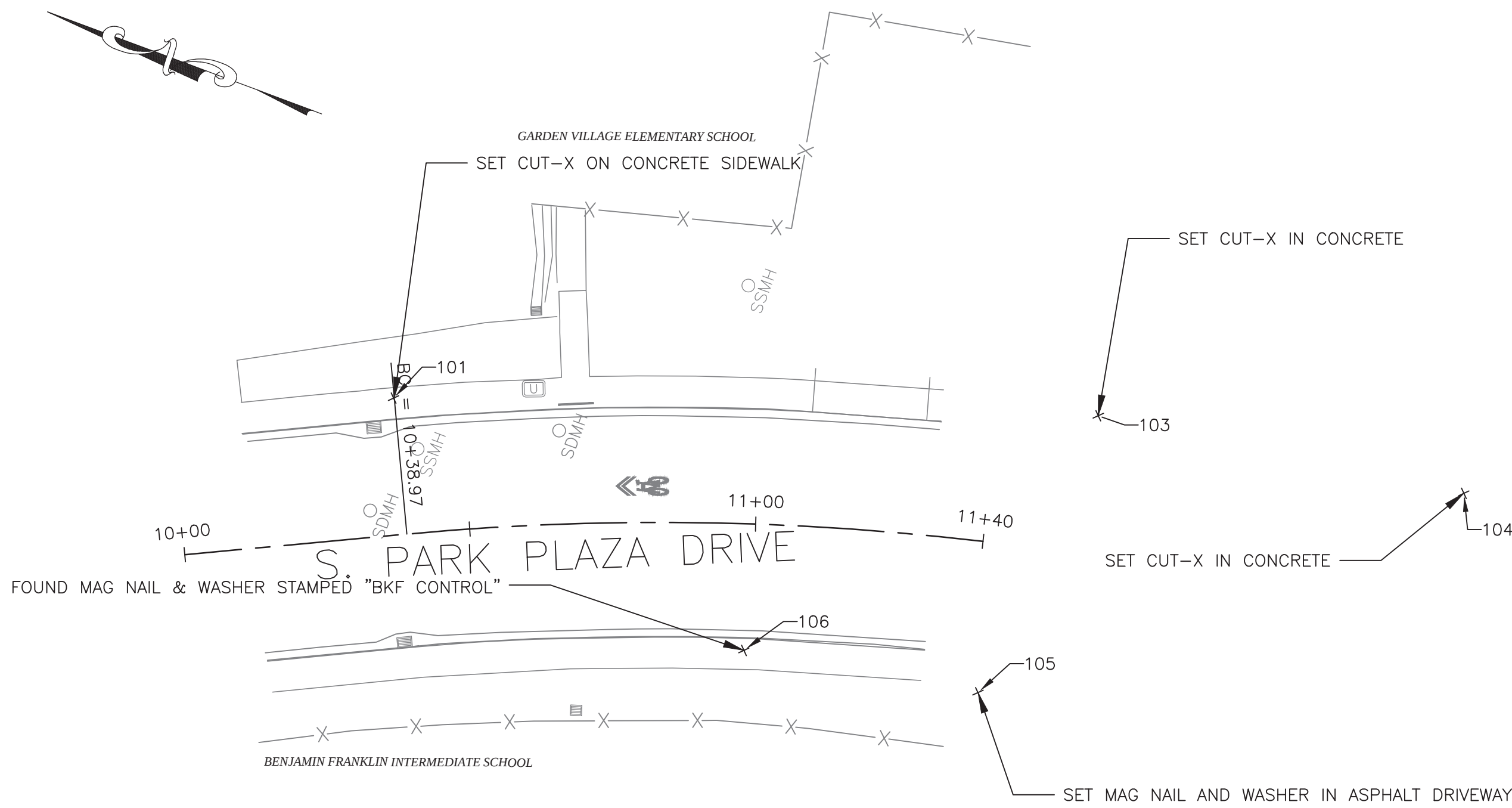


NOTE:
1. SEE CALTRANS STANDARD PLAN A24C FOR DETAILS NOT SHOWN.

A 17 SHARED ROADWAY BICYCLE MARKING
(NOT TO SCALE)



		DESIGNED BY: AZ	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT	SCALE: AS SHOWN
		CHECKED BY: WN		DATE: 07-29-2022
		DRAWN BY: AZ	SURFACE TREATMENT, SIGNING, AND STRIPING PLAN 3 OF 3	
		ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		FILE NO.: 1/5050
		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		
REVISION	DATE			17 SHEET 17 OF 18
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		



S. PARK PLAZA DRIVE SITE

PLAN
SCALE: 1"=20'

SOUTH PARK PLAZA DRIVE SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	5000.00	10000.00	100.00	SET CUT-X
103	4883.50	10040.08	102.92	SET CUT-X
104	4818.90	10049.66	106.70	SET CUT-X
105	4886.33	9987.42	101.39	SET MAG NAIL AND WASHER
106	4927.25	9980.07	99.87	FOUND MAG NAIL AND WASHER

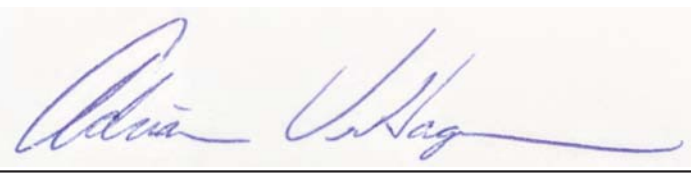
87TH STREET SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	15000.00	20000.00	1000.00	SET CUT-X
202	15292.45	20506.54	967.76	SET CUT-X
206	15337.60	20478.95	967.57	FOUND MAG NAIL

SURVEYOR'S NOTES:

HORIZONTAL AND VERTICAL COORDINATES SHOWN ON THIS SURVEY CONTROL DIAGRAM ARE ASSUMED FOR THIS PROJECT.

COUNTY SURVEYOR'S STATEMENT

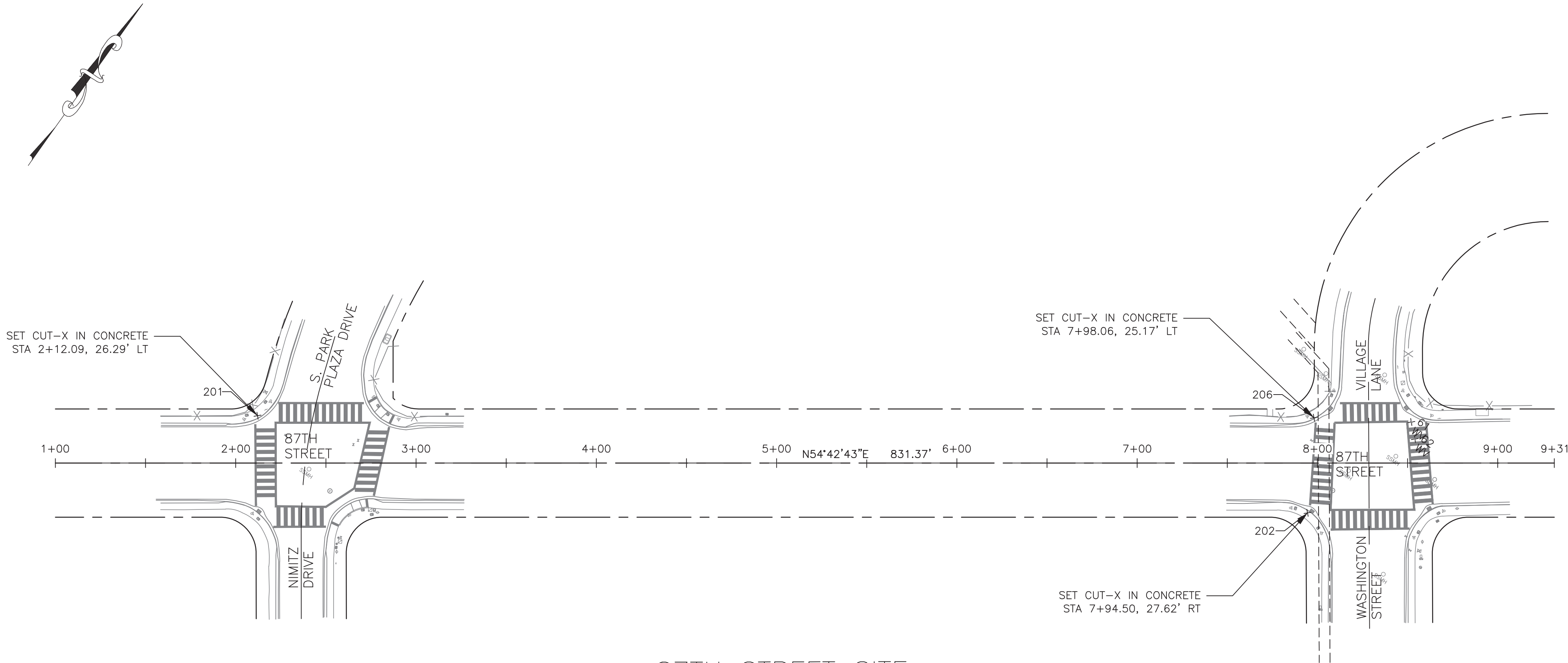
THIS SURVEY CONTROL PLAN HAS BEEN PREPARED BY ME, OR UNDER MY DIRECTION.


ADRIAN VERHAGEN, PLS 9189
COUNTY SURVEYOR
COUNTY OF SAN MATEO



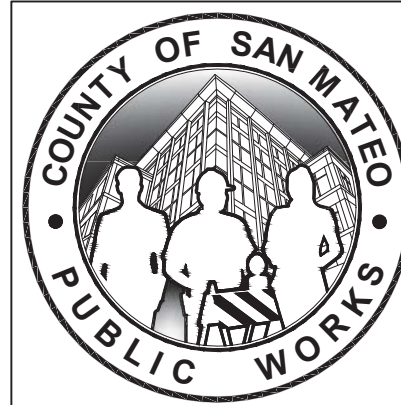
NOTES TO CONTRACTOR

- THIS PLAN REFLECTS MONUMENTATION DESIGNATED BY THE COUNTY OF SAN MATEO LAND SURVEYS AND MAPPING SECTION TO CONTROL CONSTRUCTION SURVEYS ANTICIPATED IN CONNECTION WITH THIS PROJECT.
- THE CONTRACTOR SHALL EMPLOY OR ENGAGE A PROFESSIONAL LAND SURVEYOR, LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA, COMPETENT TO PRACTICE IN THE ENDEAVOR IN WHICH HE/SHE WILL BE ENGAGED, TO BE IN RESPONSIBLE CHARGE OF ALL SURVEYING AND RELATED LAYOUT WORK WHICH THE CONTRACTOR IS REQUIRED TO PERFORM IN ORDER TO CONSTRUCT THE INTENDED IMPROVEMENTS IN CONFORMANCE WITH DESIGN. (RESPONSIBLE CHARGE REQUIREMENTS PURSUANT TO STATE OF CALIFORNIA CODE OF REGULATIONS, TITLE 16, CHAPTER 5, STATE OF CALIFORNIA, SECTION 404.2 "DEFINITION OF RESPONSIBLE CHARGE FOR LAND SURVEYORS," AND SECTION 415 "PRACTICE WITHIN AREA OF COMPETENCE.")
- THE CONTRACTOR SHALL SUBMIT A LETTER FROM THE PROFESSIONAL LAND SURVEYOR OR ENGINEER LICENSED TO PRACTICE LAND SURVEYING, INDICATING HIS/HER EMPLOYMENT BY THE CONTRACTOR IN RESPONSIBLE CHARGE. THIS LETTER SHALL BE SIGNED BY AND BEAR THE PROFESSIONAL SEAL OF THE INDIVIDUAL (NOT THE COMPANY) ENGAGED IN THAT CAPACITY. THIS LETTER SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK ALONG WITH A COPY TO THE COUNTY OF SAN MATEO LAND SURVEYOR.
- THE CONTRACTOR, HAVING ENGAGED OR EMPLOYED A PROFESSIONAL LAND SURVEYOR AND RELATED SUPPORT STAFF, IS RESPONSIBLE FOR SURVEY LAYOUT WORK, DEFINED HEREIN AS CONTRACTORS LINE AND GRADE. LINE AND GRADE POINTS SHALL BE SET FROM THE CONSTRUCTION CONTROL POINTS PROVIDED BY THE COUNTY OF SAN MATEO LAND SURVEYOR (UNDER THE DIRECTION OF THE ENGINEER), AND SHALL ALSO SERVE AS THE CONTRACTOR'S PRESERVATION AND/OR PERPETUATION OF THAT CONTROL. THESE POINTS SHALL BE SET WITH PRECISION AND METHODS COMMENSURATE WITH THE TOLERANCES REQUIRED BY THE INTENDED CONSTRUCTION.
- THE CONTRACTOR SHALL CHECK AND VERIFY THE INTERNAL INTEGRITY OF THE PROJECT CONTROL AND CONSTRUCTION CONTROL TO ITS OWN SATISFACTION AND SHALL NOTIFY THE ENGINEER OF ANY APPARENT DISCREPANCY PRIOR TO USE FOR LAYOUT OF LINE AND GRADE POINTS.
- IN ACCORDANCE WITH §8771(B) OF THE PROFESSIONAL LAND SURVEYORS' ACT (CALIFORNIA BUSINESS & PROFESSIONS CODE), THE CONTRACTOR WILL HAVE THE LICENSED LAND SURVEYOR OF RECORD FOR THE PROJECT TIE OUT ANY MONUMENTS WITHIN THE CONSTRUCTION AREA AND FILE PRE-CONSTRUCTION CORNER RECORDS WITH THE COUNTY SURVEYOR FOR THE COUNTY OF SAN MATEO. ANY MONUMENT DISTURBED OR DESTROYED AS A RESULT OF CONTRACTOR'S OPERATIONS WILL BE REPLACE IN KIND. ANY MARK REPLACED WILL BE DOCUMENTED ON A POST-CONSTRUCTION CORNER RECORD TO BE FILED WITH THE COUNTY SURVEYOR. DAMAGE, AS A RESULT OF THE CONTRACTOR'S OPERATIONS, TO THE EXISTING MONUMENTS, SURVEY MARKERS, OR REFERENCE POINTS THAT ARE NOT PART OF THIS CONTRACT, SHALL BE REPAIRED AND REPLACED AT THE CONTRACTOR'S EXPENSE.



87TH STREET SITE

PLAN
SCALE: 1"=40'



		DESIGNED BY: SO	BROADMOOR SAFE ROUTES TO SCHOOL PEDESTRIAN IMPROVEMENTS PROJECT SURVEY CONTROL SHEET	SCALE: AS SHOWN
		CHECKED BY: AV		DATE: 07-29-2022
		DRAWN BY: SO		FILE NO.: 1/5050
REVISION	DATE	ANN MADER STILLMAN, DIRECTOR OF PUBLIC WORKS COUNTY SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			
01234				18 SHEET 18 OF 18