



CITY OF CARMEL-BY-THE-SEA

FY 2021/2022

PAVEMENT REHABILITATION PROGRAM

INCLUDING

SAN CARLOS BICYCLE ROUTE,

EIGHTH TO THIRTEENTH AVENUES,

AND SIDEWALK IMPROVEMENTS

APRIL 2023

ASPHALT CONCRETE PAVING/OVERLAY STREETS

JUNIPERO AVENUE	between 3rd Ave. and 4th Ave.
CAMINO DEL MONTE	between Second Ave. and Junipero
SANTA FE STREET	between 5th Ave. and 6th Ave.

Bid Additives

SAN ANTONIO AVENUE	between 4th Ave. and Ocean Ave.
SAN ANTONIO AVENUE	between Ocean Ave. and 8th Ave.
MONTE VERDE STREET	between 4th Ave. and Ocean Ave.
TORRES STREET	between 2nd Ave. and 4th Ave.

TYPE II MICRO-SURFACE TREATMENT STREETS

JUNIPERO AVENUE	between 4th Ave. and Ocean Ave. (excluding Northbound lanes between 5th Ave. & Ocean Ave.)
SAN CARLOS STREET	between 8th Ave. and 13th Ave.

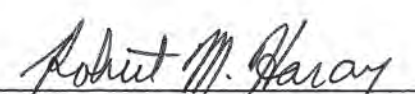
SIDEWALK IMPROVEMENTS

MISSION STREET	between 5th Ave. and 6th Ave. (West side sidewalk)
DOLORES STREET	between 5th Ave. and 6th Ave. (West side sidewalk)
SAN CARLOS STREET	West side North of 4th Ave. (West side sidewalk)
MISSION STREET	between 4th Ave. and 5th Ave. (West side sidewalk)

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APPROVED FOR CONSTRUCTION:

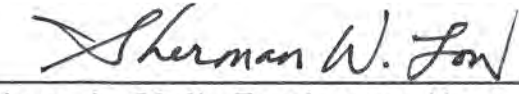

Robert M. Harty, P.E.
Public Works Director

8/04/2023
Date

PREPARED BY:

 **NEILL ENGINEERS CORP.**
CARMEL, CALIFORNIA




Registered Civil Engineer No. 29411 8/03/23
Date





LOCATION MAP

AC PAVING/OVERLAY STREETS

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK
①	JUNIPERO AVENUE BETWEEN 3RD AVE. AND 4TH AVE. SEE SHEET 5	RECONSTRUCT ADA RAMP, PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS
④	JUNIPERO AVENUE BETWEEN 2ND AVE. AND CAMINO DEL MONTE CAMINO DEL MONTE BETWEEN JUNIPERO AVE. AND JUNIPERO AVE. SEE SHEET 13	CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RESTORE AC BERM, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS
⑤	SANTA FE STREET BETWEEN 5TH AVE. AND 6TH AVE. SEE SHEET 3	PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS
BID ADDITIVE No. 1 BA1	SAN ANTONIO AVENUE BETWEEN 4TH AVE. AND OCEAN AVE. SEE SHEET 8	REPLACE 12" STORM DRAIN, PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE MANHOLES, GAS VALVE, WATER VALVES, AND RESTORE PAVEMENT MARKINGS
BID ADDITIVE No. 2 BA2	SAN ANTONIO AVENUE BETWEEN OCEAN AVE. AND 8TH AVE. SEE SHEET 9-10	PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS
BID ADDITIVE No. 3 BA3	MONTE VERDE STREET BETWEEN 4TH AVE. AND OCEAN AVE. SEE SHEET 11-12	RECONSTRUCT ADA RAMP, PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RAISE MANHOLES, GAS VALVE, WATER VALVES, CLEANOUTS, AND RESTORE PAVEMENT MARKINGS
BID ADDITIVE No. 4 BA4	TORRES STREET BETWEEN 2ND AVE. AND 4TH AVE. SEE SHEET 3	PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE MANHOLES, WATER VALVES, CLEANOUT, AND RESTORE PAVEMENT MARKINGS

SIDEWALK IMPROVEMENTS

SW1	MISSION STREET WEST SIDE SIDEWALK BETWEEN 5TH AVE. AND 6TH AVE. SEE SHEET 22	RECONSTRUCT PAVERS SIDEWALK ALONG WEST SIDE: REMOVE EXISTING BRICK PAVERS, REGRADE AND COMPACT SUBGRADE, INSTALL 2X4 REDWOOD HEADERS, PLACE PERMEABLE PAVERS
SW2	DOLORES STREET WEST SIDE SIDEWALK BETWEEN 5TH AVE. AND 6TH AVE. SEE SHEET 23	RECONSTRUCT PAVERS SIDEWALK ALONG WEST SIDE: RECONSTRUCT CURB & GUTTER, REMOVE EXISTING PAVERS & PCC SIDEWALK, REGRADE AND COMPACT SUBGRADE, INSTALL 2X4 REDWOOD HEADER, PLACE PERMEABLE PAVERS
SW3	SAN CARLOS STREET WEST SIDE SIDEWALK NORTH OF 4TH AVE. SEE SHEET 24	RECONSTRUCT AC SIDEWALK ALONG WEST SIDE: CONSTRUCT PAVERS ACCESS RAMP, RECONSTRUCT COBBLESTONE CURB, REMOVE EXISTING AC SIDEWALK, REGRADE AND COMPACT SUBGRADE, INSTALL PCC & REDWOOD HEADERS, PLACE PERMEABLE PAVERS
SW4	MISSION STREET WEST SIDE SIDEWALK BETWEEN 4TH AVE. AND 5TH AVE. SEE SHEET 21	RECONSTRUCT AC SIDEWALK ALONG WEST SIDE: REMOVE EXISTING AC, REGRADE AND COMPACT SUBGRADE, PLACE 2" THICK AC SURFACE, RESTORE AC BERM, ADJUST UTILITY BOXES

MICRO-SURFACING STREETS

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK
②	JUNIPERO AVENUE BETWEEN 4TH AVE. AND OCEAN AVE. (EXCLUDING NORTHBOUND LANES BETWEEN 5TH AVE. AND OCEAN AVE.) SEE SHEET 15	PATCH PAVEMENT, REMOVE MARKINGS, CRACK SEAL, APPLY MICRO-SURFACING, AND RESTORE PAVEMENT MARKINGS
③A	SAN CARLOS STREET BETWEEN 8TH AVE. AND 11TH AVE. SEE SHEETS 16-18	PATCH PAVEMENT, REMOVE MARKINGS, CRACK SEAL, APPLY MICRO-SURFACING, AND INSTALL/RESTORE PAVEMENT MARKINGS
③B	SAN CARLOS STREET BETWEEN 11TH AVE. AND 13TH AVE. SEE SHEET 19-20	PATCH PAVEMENT, REMOVE MARKINGS, CRACK SEAL, APPLY MICRO-SURFACING, AND INSTALL/RESTORE PAVEMENT MARKINGS

GENERAL NOTES:

(APPLIES TO ALL SHEETS)

- CONTRACTOR SHALL CONDUCT A FIELD REVIEW OF ALL THE PROJECT STREETS AND SIDEWALKS, AND SHALL MAKE HIS OWN DETERMINATION OF EXISTING SITE CONDITIONS PRIOR TO BIDDING.
- EXACT LOCATION AND LIMITS OF THE WORK WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER.
- UNDERGROUND UTILITIES AND SERVICES ARE NOT SHOWN. CONTRACTOR SHALL CONTACT U.S.A. (800-227-2600) TO MARK AND IDENTIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE CITY FORESTER SHALL BE CONTACTED FOR SPECIFIC TREE PROTECTION REQUIREMENTS PRIOR TO CONSTRUCTION AND FOR ANY TREE ROOT ISSUES ENCOUNTERED DURING CONSTRUCTION.
- EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED FOR ALL STREET OVERLAYS. AC ROLL BERMS SHALL BE RAISED TO MAINTAIN PRE-EXISTING DRAINAGE CAPACITY (2" OR 2-1/2" HIGHER BY 12"± WIDE).
- DRAINAGE FROM EXISTING DRAIN PIPES SHALL BE MAINTAINED. WHERE NECESSARY EXISTING CURB DRAINS AND DRAIN PIPES DISCHARGING INTO THE STREET SHALL BE RECONSTRUCTED OR RAISED.
- ALL PAVEMENT MARKINGS AND TRAFFIC STRIPES SHALL BE THERMOPLASTIC AND RESTORED TO MATCH EXISTING, INCLUDING PARKING TEES AND INSTALLATION OF BLUE PAVEMENT MARKERS.
- SEE SHEETS 14-20 FOR MICRO-SURFACING WORK.

LEGEND

- △ BENCH MARK OR SURVEY CONTROL
- PP POWER POLE
- G— UNDERGROUND GAS LINE
- SEWER CLEAN OUT
- WH ○ SEWER OR STORM DRAIN MANHOLE
- SD— UNDERGROUND STORM DRAIN
- W— WATER LINE
- ⊠ WM WATER METER
- WV ○ WATER VALVE
- GV GAS VALVE
- XX.X SPOT ELEVATION
- ⊠ CB CATCH BASIN
- ☀ TREE - DID NOT LOCATE ALL TREES
- SS— UNDERGROUND SANITARY SEWER
- ⊕ CORNER OF PARKING SPACE
- T— UNDERGROUND COMMUNICATIONS LINE
- FH FIRE HYDRANT
- CATV— UNDERGROUND CABLE TELEVISION LINE
- E— UNDERGROUND ELECTRIC LINE
- UB UTILITY BOX
- AC OVERLAY AREA
- MICRO-SURFACING AREA
- PATCH PAVEMENT AREA
- DG AREA
- ADA RAMP

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CARMEL, CALIFORNIA



LOCATION MAP GENERAL PROJECT DESCRIPTION FY 2021/2022 PAVEMENT REHABILITATION PROGRAM

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE

FY 2021/2022 AC PAVING/OVERLAY STREET PROJECTS

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
1	JUNIPERO AVENUE BETWEEN 3RD ST. AND 4TH AVE.	SEE PLAN SHEET 5	
4	JUNIPERO AVENUE & CAMINO DEL MONTE BETWEEN 1ST AVE. AND 2ND AVE.	SEE PLAN SHEET 13	
5	SANTA FE STREET BETWEEN 5TH AVE. AND 6TH AVE.	PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE/RESTORE DRAIN LINES, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS. GRIND AND RE-PAVE 5TH AVE INTERSECTION TO DIRECT RUNOFF INTO DRAINAGE INLET AT SE CORNER. MAINTAIN DRAINAGE FROM EXISTING DRAIN PIPES AND GRATES.	PATCH PAVEMENT (FAILED AREAS) 3,500 SF 2" AC OVERLAY (12,500 SF) 180 TONS RESTORE AC BERM/SWALE 585 LF RAISE/RESTORE DRAIN LINES 6 EA RAISE MANHOLE 4 EA RAISE WATER VALVE 1 EA STOP BAR MARKING 3 EA
BID ADDITIVE 4 BA4	TORRES STREET BETWEEN 2ND AVE. AND 4TH AVE.	PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RESTORE AC BERM/SWALE, RAISE MANHOLE, WATER VALVES, CLEANOUT, AND RESTORE PAVEMENT MARKINGS.	PATCH PAVEMENT (TREE ROOTS) 250 SF PATCH PAVEMENT (FAILED AREAS) 2,400 SF 2" AC OVERLAY (15,200 SF) 220 TONS RESTORE BERM/SWALE 760 LF RAISE MANHOLE 1 EA RAISE CLEAN OUT 1 EA RAISE WATER VALVE 3 EA STOP BAR MARKING 2 EA TYPE I ARROW MARKING 2 EA TYPE IV ARROW MARKING 1 EA PARKING TEES MARKING 3 EA

SEE SHEET 4 FOR BID ADDITIVE No. 1 BA1 , BID ADDITIVE No. 2 BA2 AND BID ADDITIVE No. 3 BA3
I.D. 5 & BA4 ARE NOT MAPPED. CONTRACTOR TO FIELD VERIFY SITE CONDITIONS AND QUANTITIES.

FY 2021/2022 SIDEWALK IMPROVEMENTS

SW1	MISSION STREET BETWEEN 5TH AVE. AND 6TH AVE.	SEE PLAN SHEET 22
SW2	DOLORES STREET BETWEEN 5TH AVE. AND 6TH AVE.	SEE PLAN SHEET 23
SW3	SAN CARLOS STREET NORTH OF 4TH AVE.	SEE PLAN SHEET 24
SW4	MISSION STREET BETWEEN 4TH AVE. AND 5TH AVE.	SEE PLAN SHEET 21



LOCATION MAP

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CARMEL, CALIFORNIA

AC OVERLAY PLAN
FY 2021/2022
PAVEMENT
REHABILITATION PROGRAM

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE



Know what's below.
Call before you dig.

FY 2021/2022 AC PAVING/OVERLAY STREET PROJECTS

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
BID ADDITIVE 1 BA1	SAN ANTONIO AVENUE BETWEEN 4TH AVE. AND OCEAN AVE.	SEE PLAN SHEET 8	
BID ADDITIVE 2 BA2	SAN ANTONIO AVENUE BETWEEN OCEAN AVE. AND 8TH AVE.	SEE PLAN SHEETS 9 AND 10	
BID ADDITIVE 3 BA3	MONTE VERDE STREET BETWEEN 4TH AVE. AND OCEAN AVE.	SEE PLAN SHEETS 11 AND 12	



BID ADDITIVES No.1,2&3

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CARMEL, CALIFORNIA

AC PAVING PLAN
FY 2021/2022
PAVEMENT
REHABILITATION PROGRAM

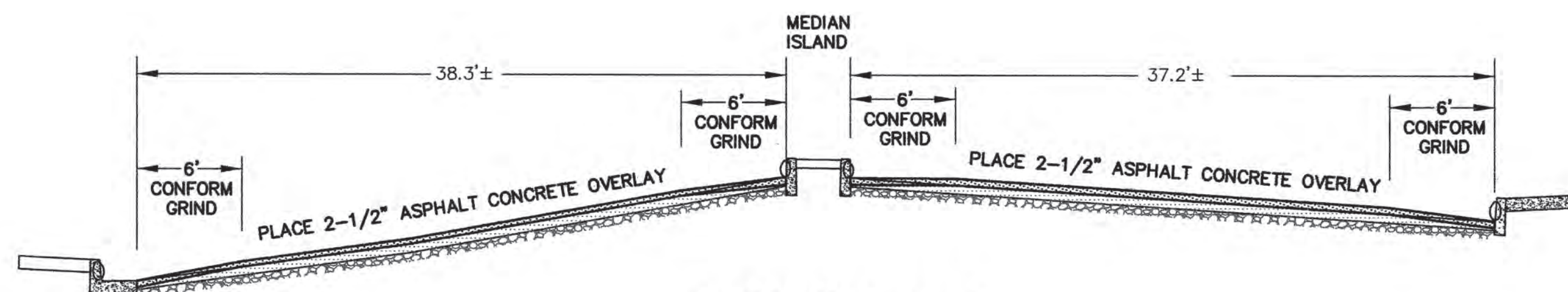
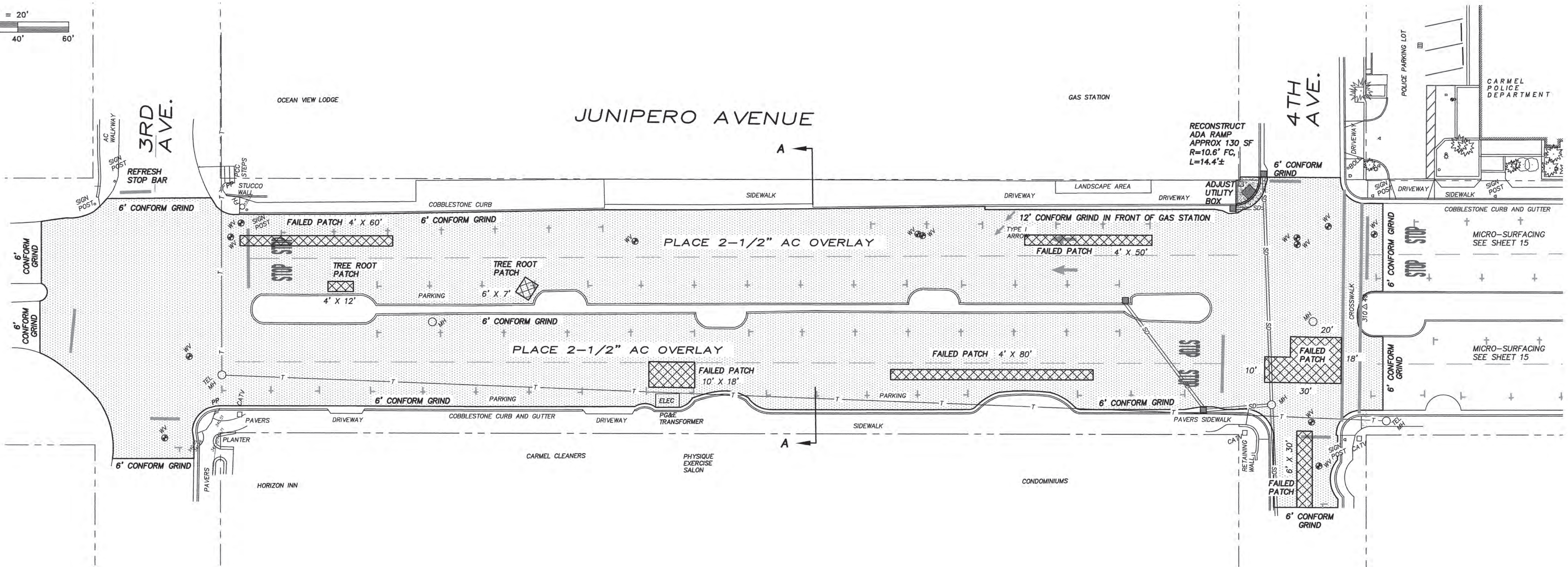
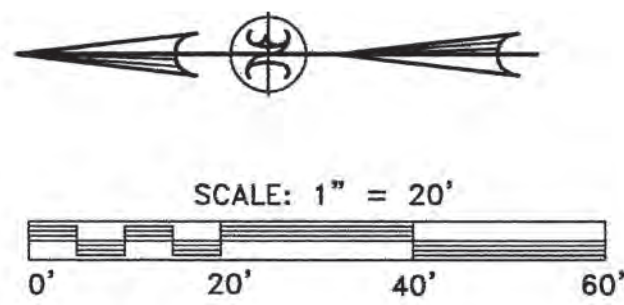
CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE





SECTION A-A
JUNIPERO AVENUE
NO SCALE

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
1	JUNIPERO AVENUE BETWEEN 3RD AVE AND 4TH AVE	RECONSTRUCT ADA RAMP, PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RAISE MANHOLE, WATER VALVES, RESTORE PAVEMENT MARKINGS (STOP BARS, STOP LEGENDS, TRAFFIC LANELINES, CROSSWALK, ARROWS AND PARKING TEES) TEL MANHOLE TO BE RAISED BY AT&T. ELEC. TRANSFORMER TO BE RAISED BY PG&E	PATCH PAVEMENT (FAILED AREAS) 1,600 SF PATCH PAVEMENT (TREE ROOTS) 100 SF 2-1/2" AC OVERLAY (40,000 SF) 720 TONS RECONSTRUCT ADA RAMP 1 EA RAISE MANHOLE 3 EA RAISE WATER VALVE 13 EA BASIC CROSSWALK MARKING (WHITE) 1 EA STOP BAR MARKING 10 EA REFRESH STOP BAR MARKING 4 EA STOP LEGEND MARKING 64 EA PARKING TEE MARKING 800 LF LANELINES DETAIL 8 MARKING 2 EA TYPE 1 ARROW MARKING 2 EA REDUCED SIZE TYPE 1 ARROW MARKING 2 EA

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STREET IMPROVEMENT JUNIPERO AVENUE

BETWEEN 3RD AVE AND 4TH AVE

CARMEL-BY-THE-SEA, CALIFORNIA



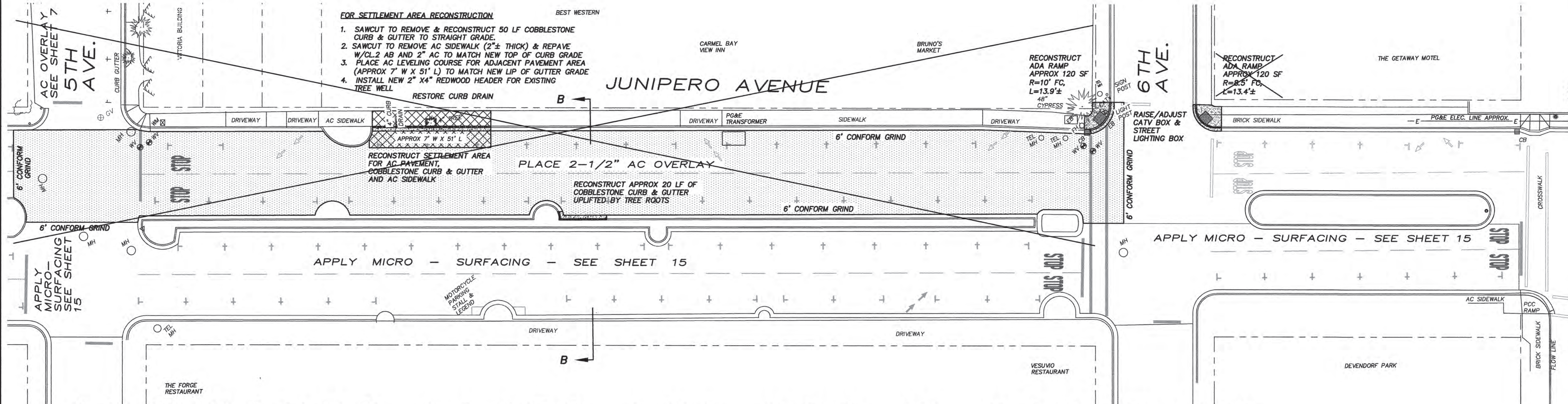
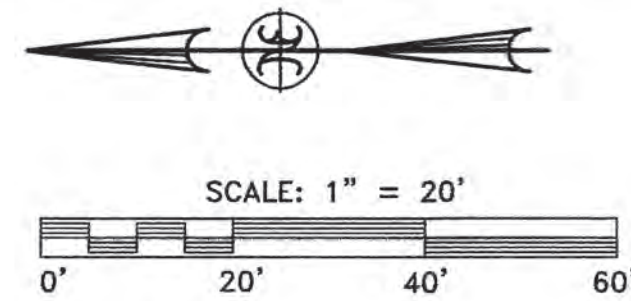
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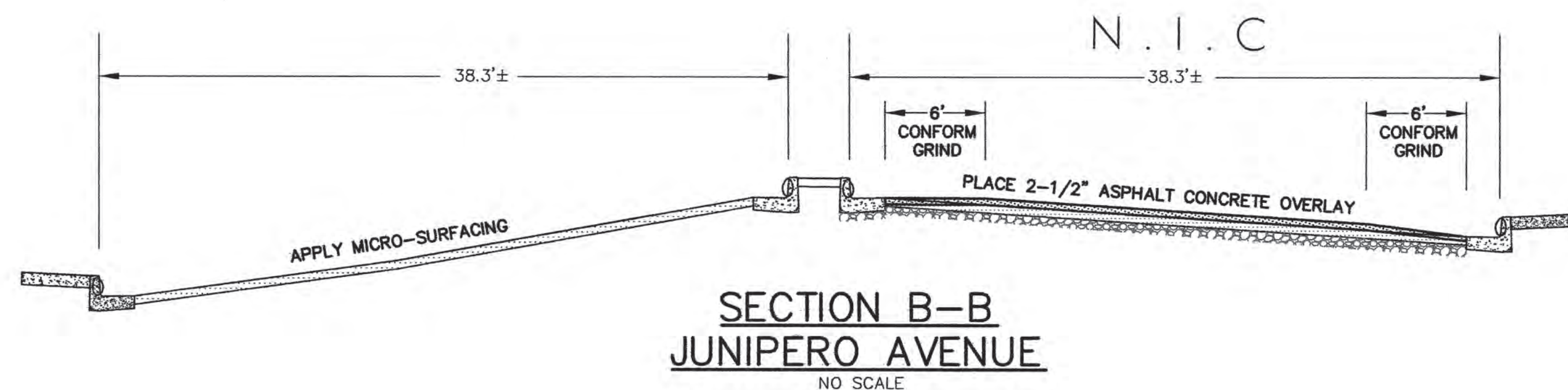
APRIL 2023

SCALE: 1"=20'





NORTHBOUND LANES ARE NOT IN CONTRACT
FOR SOUTHBOUND LANES
SEE SHEET 15



I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
	JUNIPERO AVENUE BETWEEN 5TH AVE AND 6TH AVE	RECONSTRUCT COBBLESTONE CURB & GUTTER, RECONSTRUCT ADA RAMP, RECONSTRUCT AC SIDEWALK PAVEMENT, LEVEL PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RAISE MANHOLES, RAISE WATER VALVES, RESTORE PAVEMENT MARKINGS (STOP BARS, STOP LEGENDS, TRAFFIC LANELINES, CROSSWALK, PARKING TEES AND ARROWS) TEL. MANHOLE TO BE RAISED BY AT&T. ELEC. TRANSFORMER TO BE RAISED BY PG&E ADJUSTMENT OF CATV AND STREET LIGHTING ELECTRICAL BOX TO BE INCLUDED AS PART OF ACCESS RAMP CONSTRUCTION	RECONSTRUCT COBBLESTONE CURB & GUTTER 70 LF RECONSTRUCT ADA RAMP 2 EA RECONSTRUCT AC SIDEWALK 350 SF LEVEL PAVEMENT 360 SF 2-1/2" AC OVERLAY (16,600 SF) 300 TONS RAISE MANHOLE 2 EA RAISE WATER VALVE 4 EA BASIC CROSSWALK MARKING (WHITE) 1 EA STOP BAR MARKING 2 EA STOP LEGEND MARKING 2 EA PARKING TEE MARKING 35 EA LANELINES DETAIL 8 MARKING 400 LF TYPE 1 ARROW MARKING 6 EA



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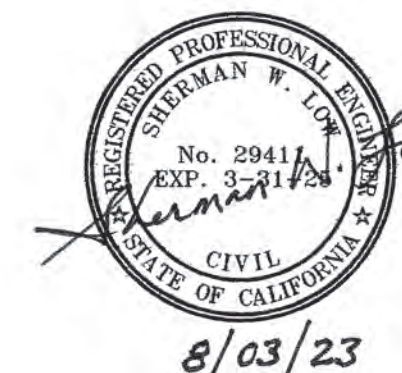


CARMEL, CALIFORNIA

STREET IMPROVEMENT JUNIPERO AVENUE

BETWEEN 5TH AVE AND 6TH AVE

CARMEL-BY-THE-SEA, CALIFORNIA



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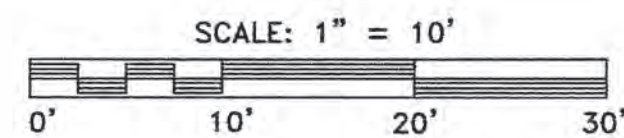
APRIL 2023

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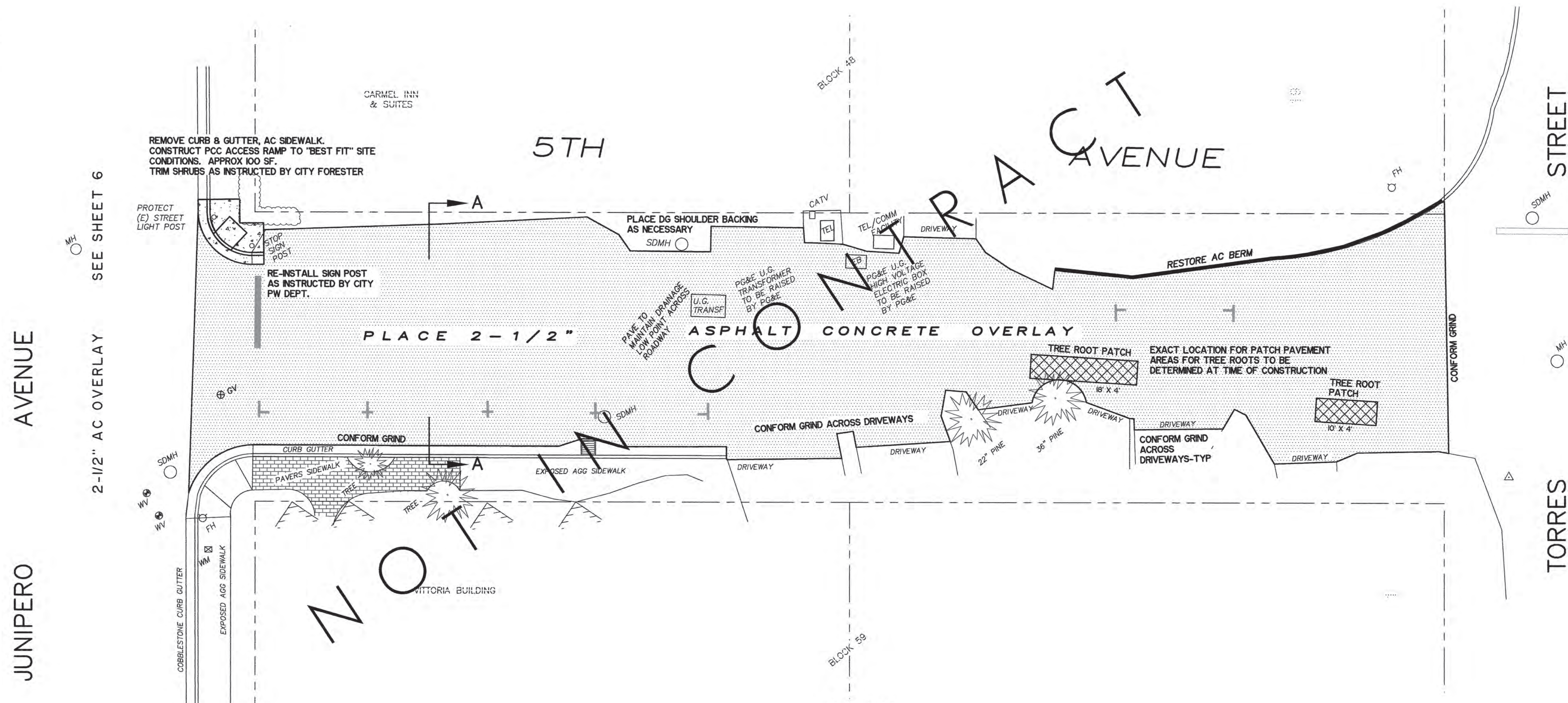
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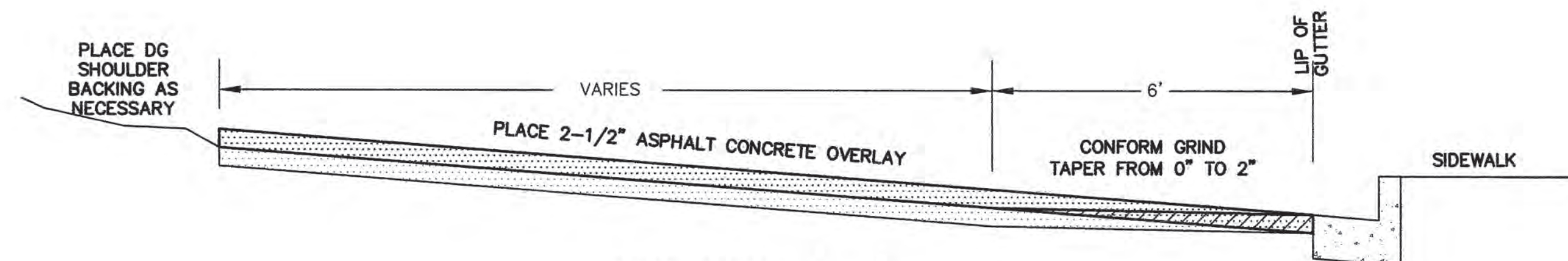


I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES	
	5TH AVENUE BETWEEN JUNIPERO AVE AND TORRES ST	CONSTRUCT ACCESS RAMP, PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RE-INSTALL SIGN POST, RESTORE AC BERM, RAISE MANHOLE, GAS VALVE, RESTORE PAVEMENT MARKINGS (STOP BARS, STOP LEGENDS AND PARKING TEES), PLACE DG SHOULDER BACKING. TRANSFORMER AND HIGH VOLTAGE BOX TO BE RAISED BY PG&E	PATCH PAVEMENT (TREE ROOTS) 2-1/2" AC OVERLAY (7,000 SF) CONSTRUCT CURB RAMP RESTORE AC BERM RAISE MANHOLE RAISE GAS VALVE STOP BAR MARKING PARKING TEE MARKING PLACE DG SHOULDER BACKING	120 SF 125 TONS 1 EA 65 LF 2 EA 1 EA 1 EA 7 EA 3 TONS



PLAN

SCALE: 1"=10'



SECTION A-A
5TH AVENUE

NO SCALE

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CARMEL, CALIFORNIA

5TH AVENUE OVERLAY

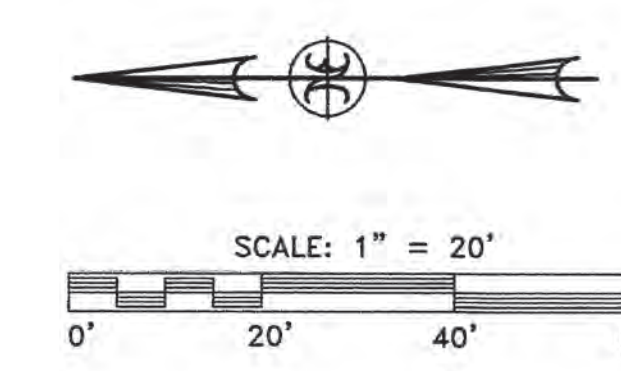
BETWEEN JUNIPERO AVE AND TORRES ST
CARMEL-BY-THE-SEA, CALIFORNIA



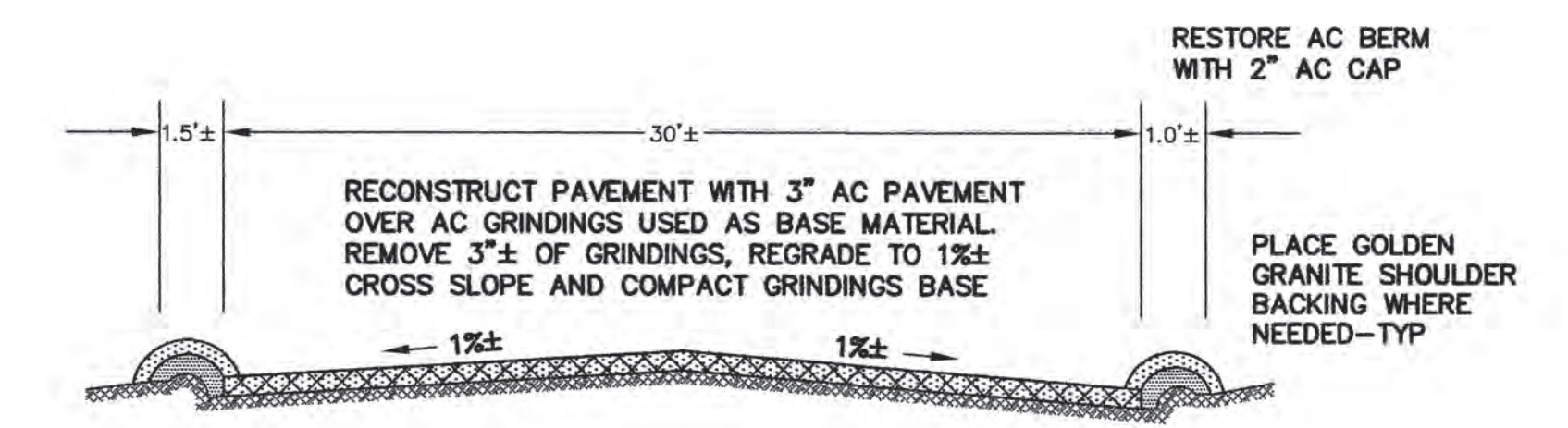
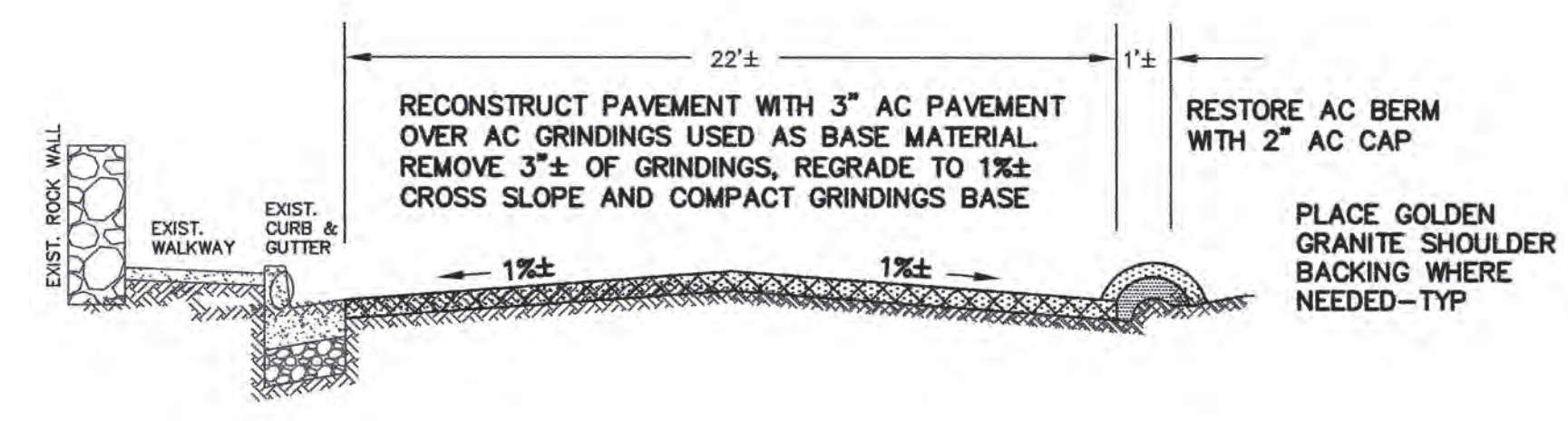
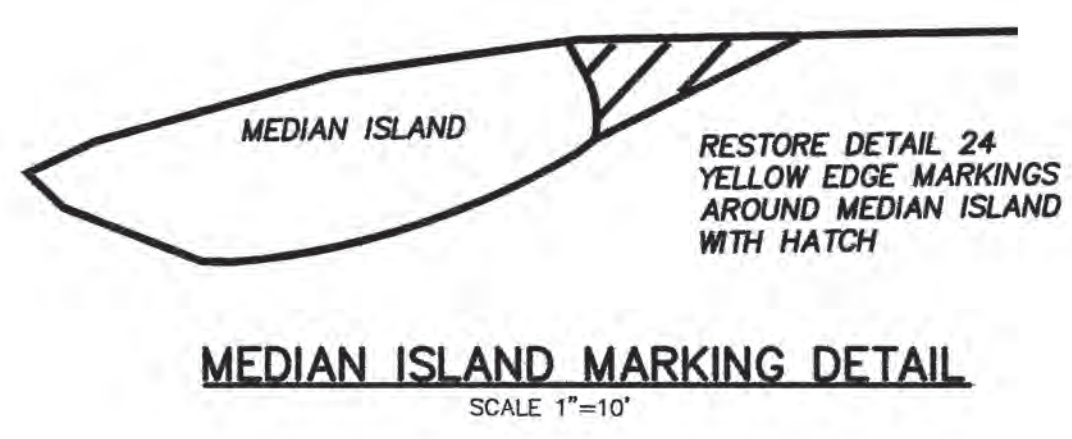
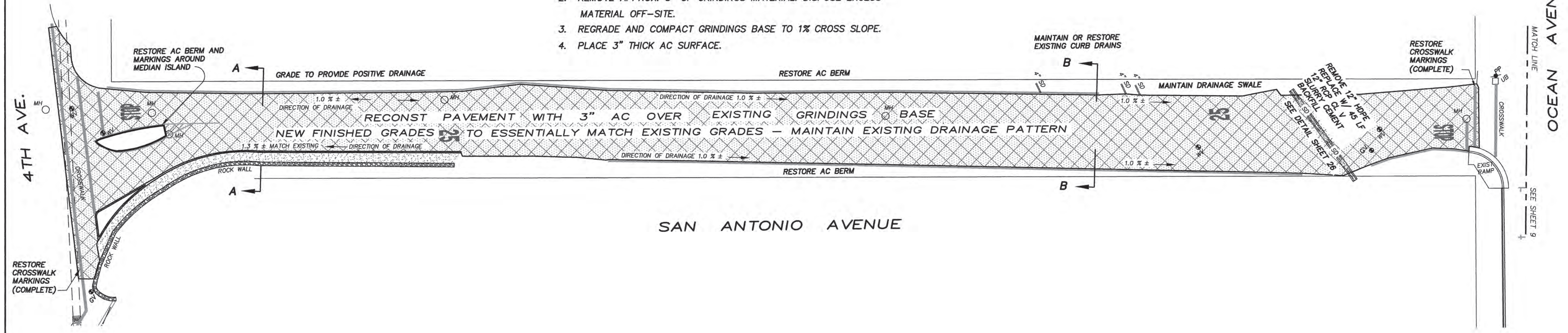
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APRIL 2023

SCALE: 1"=10'



- RECONSTRUCT PAVEMENT**
- NEW FINISHED GRADES TO ESSENTIALLY MATCH PRE-EXISTING GRADES
1. GRIND, PULVERIZE EXISTING AC PAVEMENT & BASE.
 2. REMOVE APPROX. 3" OF GRINDINGS MATERIAL. DISPOSE EXCESS MATERIAL OFF-SITE.
 3. REGRADE AND COMPACT GRINDINGS BASE TO 1% CROSS SLOPE.
 4. PLACE 3" THICK AC SURFACE.



Know what's below.
Call before you dig.

SECTION A-A
SAN ANTONIO AVENUE
NO SCALE

SECTION B-B
SAN ANTONIO AVENUE
NO SCALE

BID ADDITIVE No.1

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CARMEL, CALIFORNIA

STREET IMPROVEMENT SAN ANTONIO AVENUE

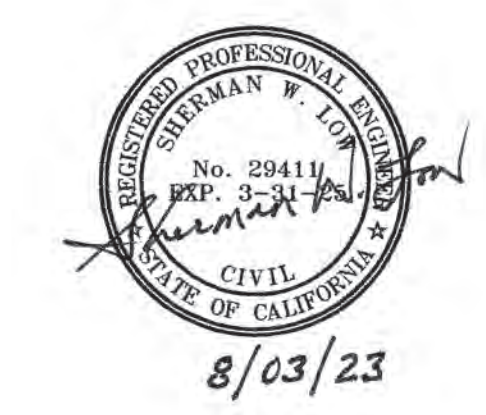
BETWEEN 4TH AND OCEAN AVENUE

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

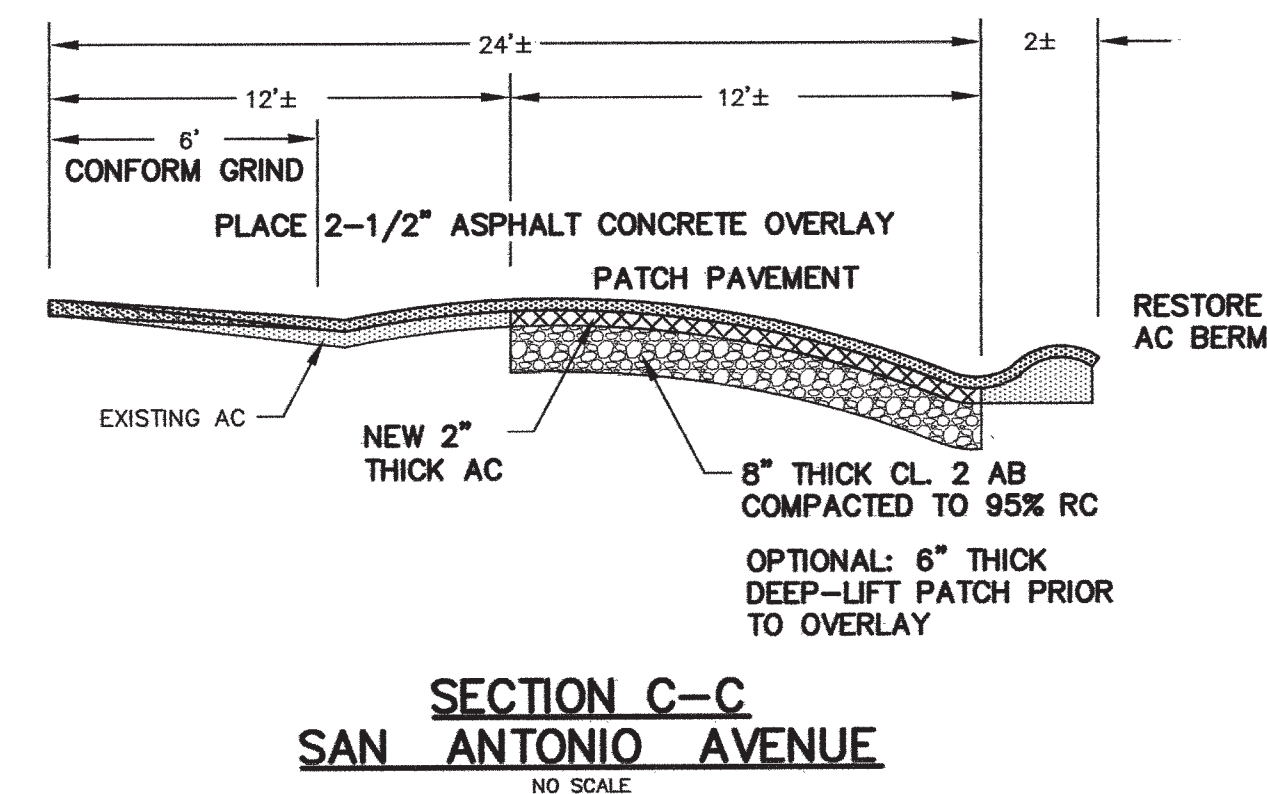
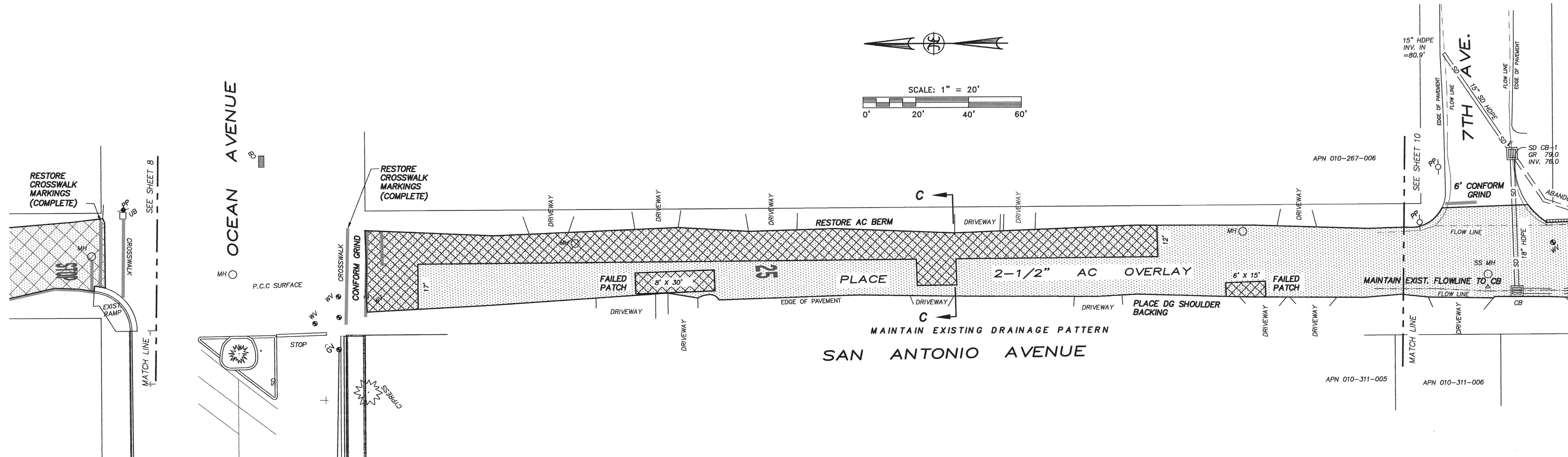
APRIL 2023

SCALE: 1"=20'



I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES		
BID ADDITIVE 1 BA1	SAN ANTONIO AVENUE BETWEEN 4TH AVE AND OCEAN AVE	REPLACE 12" SD, GRIND AND PULVERIZE EXISTING PAVEMENT, REMOVE AND DISPOSE APPROX. 3" GRINDINGS, RE-GRADE AND COMPACT GRINDINGS BASE, RECONSTRUCT PAVEMENT WITH 3" THICK AC OVER GRINDINGS, RESTORE AC BERM/DRAINAGE SWALE, RAISE MANHOLES, WATER VALVES, GAS VALVE, RESTORE PAVEMENT MARKINGS (STOP BARS, STOP LEGENDS, CROSSWALKS, "25" LEGEND, AND YELLOW MEDIAN ISLAND PAVEMENT MARKINGS)	RECONSTRUCT PAVEMENT 3" AC OVER GRINDINGS (18,000 SF) RESTORE AC BERM/DRAINAGE SWALE REPLACE 12" SD PIPE RAISE MANHOLE RAISE WATER VALVE RAISE GAS VALVE	18,000 SF 850 LF 45 LF 5 EA 5 EA 1 EA	BASIC CROSSWALK MARKINGS (WHITE) 2 EA LEFT EDGELINE DETAIL 24 MARKINGS 120 LF STOP BAR MARKING 2 EA STOP LEGEND MARKING 2 EA "25" LEGEND MARKING 2 EA PLACE DECOMPOSED GRANITE SHOULDER BACKING 3 TONS

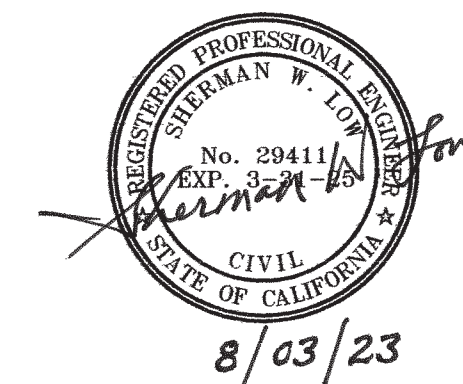
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Know what's below.
Call before you dig.

FY 2021/2022 AC OVERLAY STREET PROJECTS

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES (COMBINED SHEETS 9 & 10)			
BID ADDITIVE 2 BA2	SAN ANTONIO AVENUE BETWEEN OCEAN AVE. AND 8TH AVE	PATCH PAVEMENT, CONFORM GRIND, PLACE 2-1/2" AC SURFACE, RESTORE ROLLED AC BERM/DRAINAGE SWALE, RAISE MANHOLES, WATER VALVES, RESTORE PAVEMENT MARKINGS (STOP BARS CROSSWALK, AND "25" LEGENDS) MAINTAIN EXISTING DRAINAGE PATTERN	PATCH PAVEMENT (FAILED AREAS)	4,500 SF	RAISE MANHOLE	4 EA
			2-1/2" AC OVERLAY (25,800 SF)	465 TONS	RAISE WATER VALVE	2 EA
			RESTORE AC BERM/DRAINAGE SWALE	1150 LF	BASIC CROSSWALK MARKING (WHITE)	1 EA
					STOP BARS MARKING	3 EA
					"25" LEGEND MARKING	3 EA
					PLACE DECOMPOSED GRANITE SHOULDER BACKING	3 TONS



BID ADDITIVE No.2

NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

STREET IMPROVEMENT SAN ANTONIO AVENUE

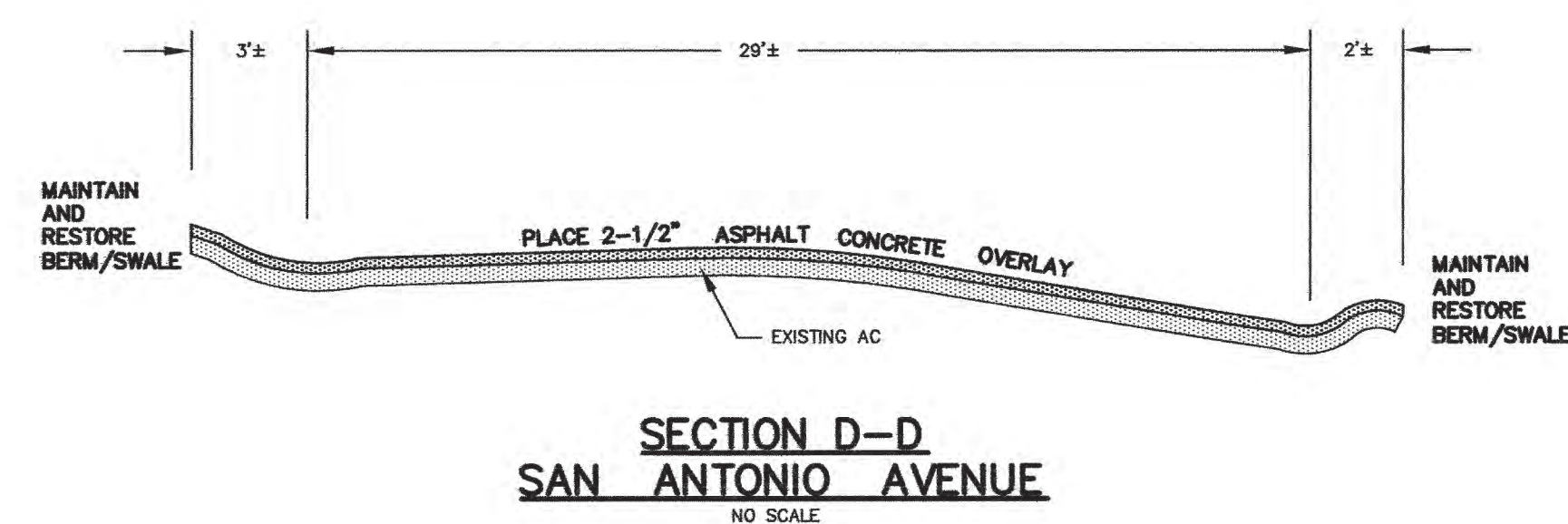
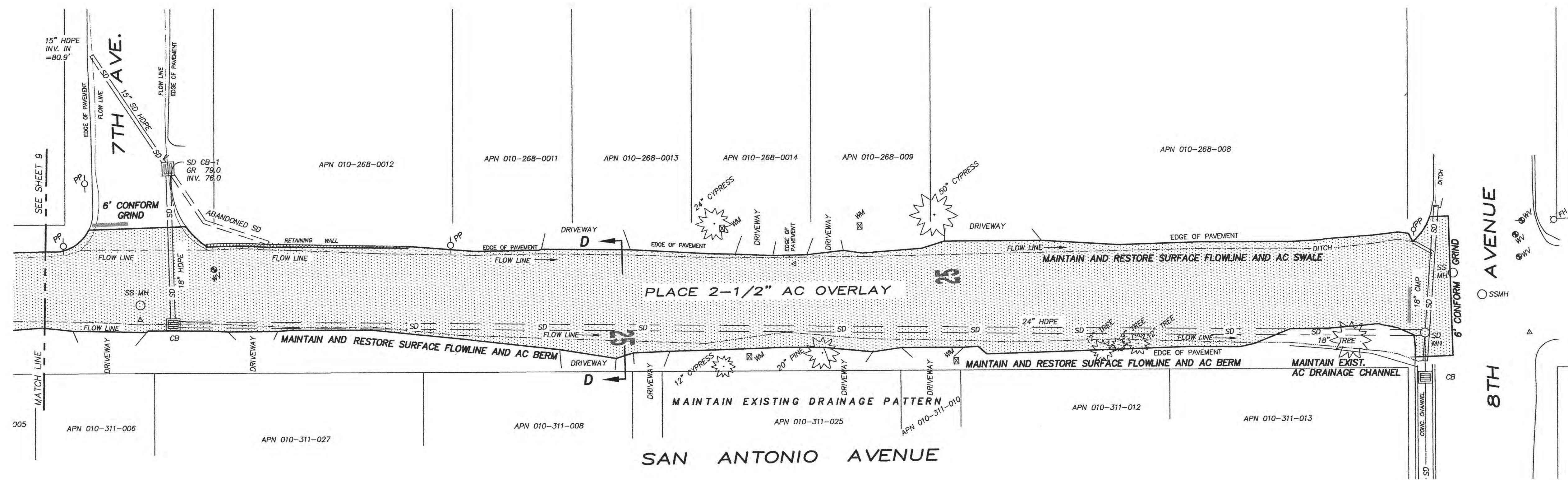
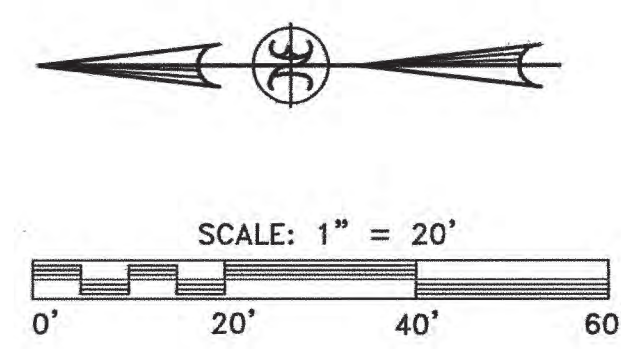
BETWEEN OCEAN AND 7TH AVENUE

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: 1"=20'



BID ADDITIVE No.2

NEILL ENGINEERS CORP.  CARMEL, CALIFORNIA

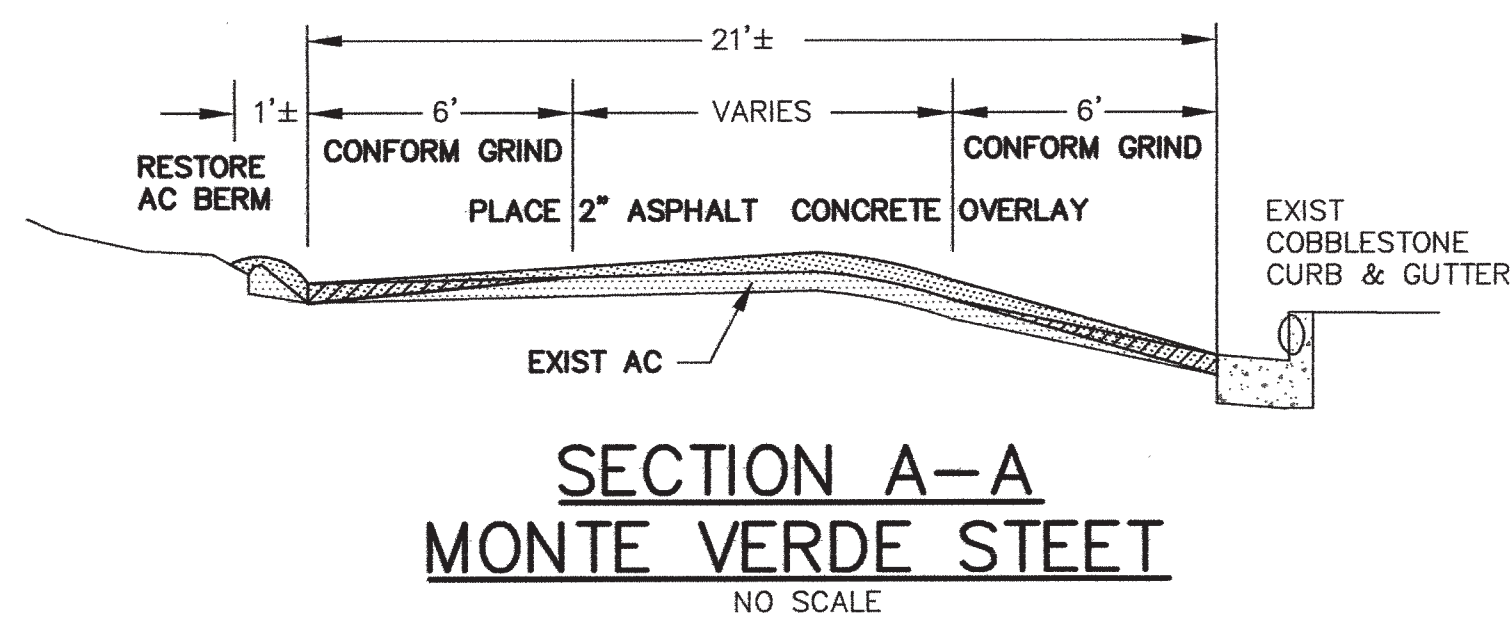
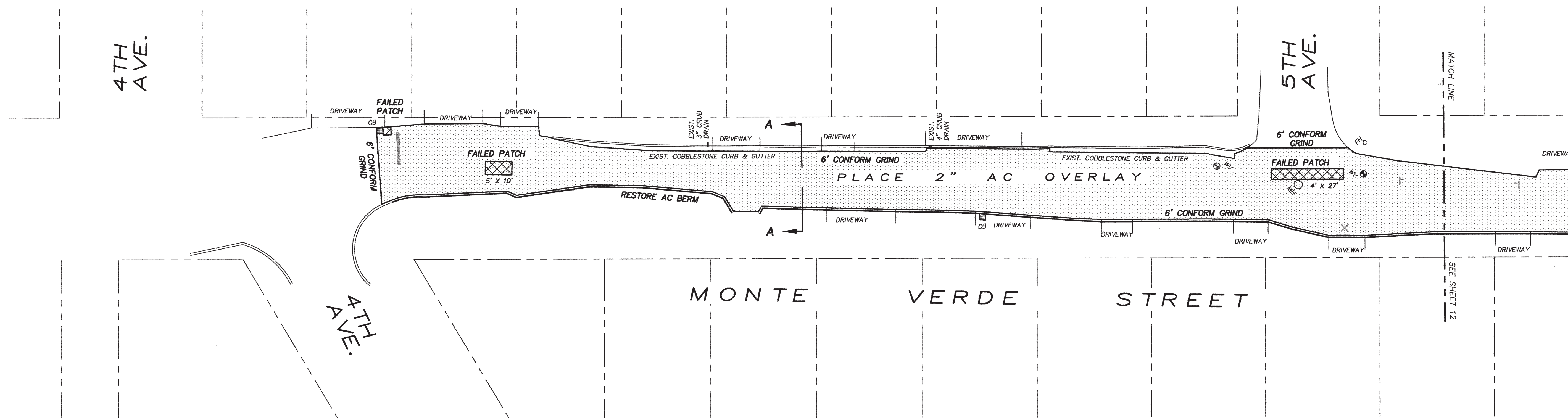
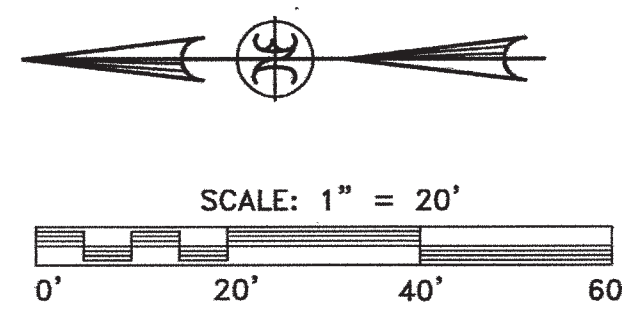
**STREET IMPROVEMENT
SAN ANTONIO AVENUE**

BETWEEN 7TH AND 8TH AVENUES

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A APRIL 2023 SCALE: 1"=20'

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I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES (COMBINED SHEETS 11 AND 12)			
BID ADDITIVE 3 BA3	MONTE VERDE ST BETWEEN 4TH AVE. AND OCEAN AVE.	RECONSTRUCT ADA RAMP, PATCH PAVEMENT, CONFORM GRIND, PLACE 2" THICK AC OVERLAY, RESTORE AC BERM, RAISE MANHOLE, WATER VALVES, GAS VALVE, AND RESTORE PAVEMENT MARKINGS (STOP BARS, CROSSWALK, INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING, PARKING TEES AND "X" LEGEND)	PATCH PAVEMENT (TREE ROOTS)	100 SF	STOP BAR MARKING	2 EA
			PATCH PAVEMENT (FAILED AREAS)	2,200 SF	WHITE BASIC CROSSWALK MARKING	1 EA
			2" AC OVERLAY (25,500 SF)	365 TONS	INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING MARKINGS	1 EA
			RECONSTRUCT ADA RAMP	1 EA	PARKING TEE MARKING	39 EA
			RESTORE AC BERM	720 LF	"X" NO PARKING MARKING	2 EA
			RAISE MANHOLE	2 EA	PLACE DECOMPOSED GRANITE	
			RAISE CLEANOUT	2 EA	SHOULDER BACKING	5 TONS
			RAISE WATER VALVE	11 EA		
			RAISE GAS VALVE	1 EA		

BID ADDITIVE No.3

NEILL ENGINEERS CORP.

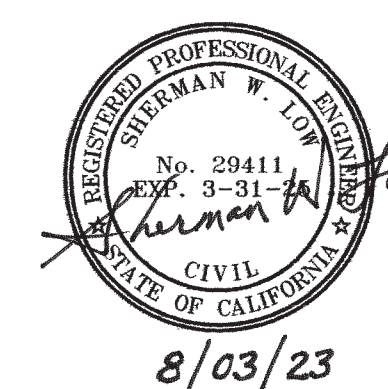


CARMEL, CALIFORNIA

STREET IMPROVEMENT MONTE VERDE STREET

BETWEEN 4TH AVE AND 5TH AVE

CARMEL-BY-THE-SEA, CALIFORNIA

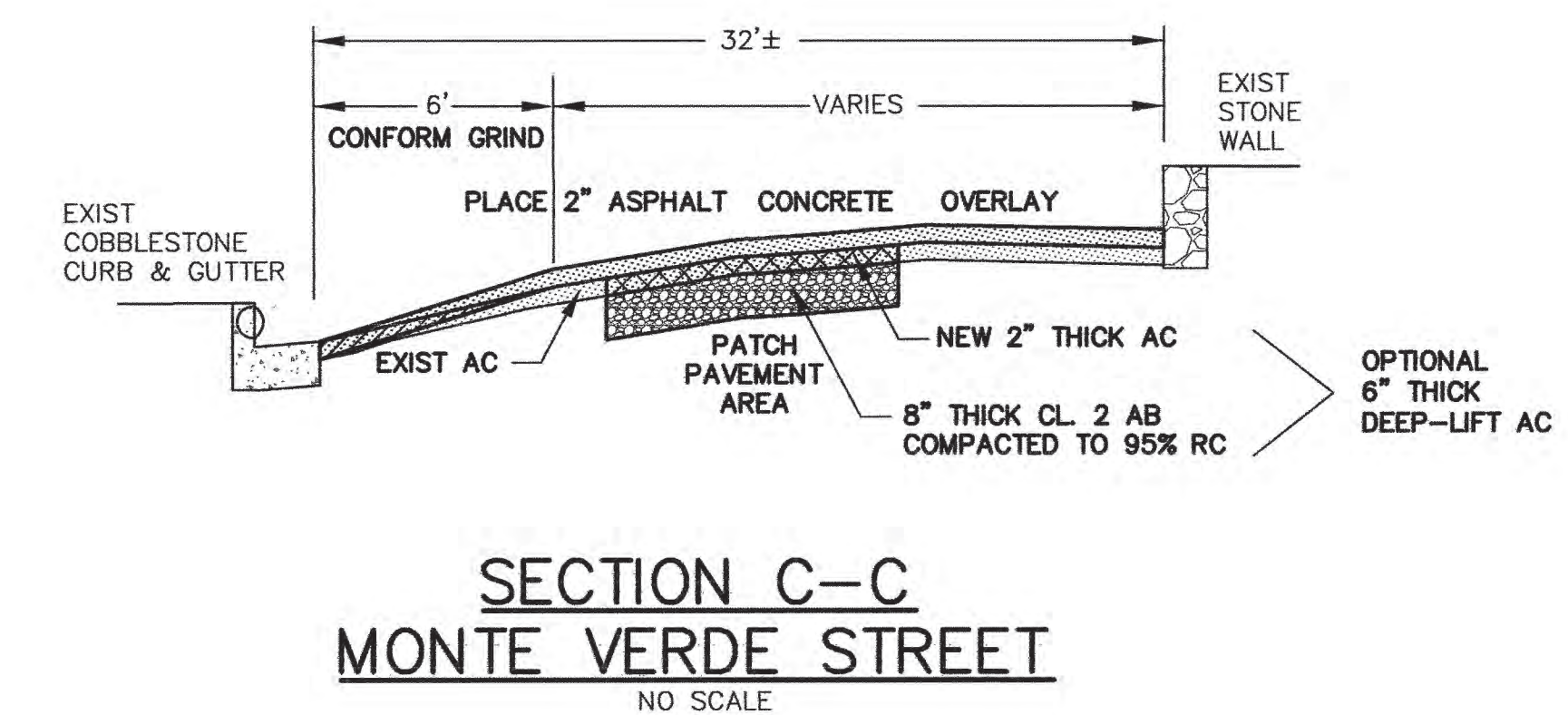
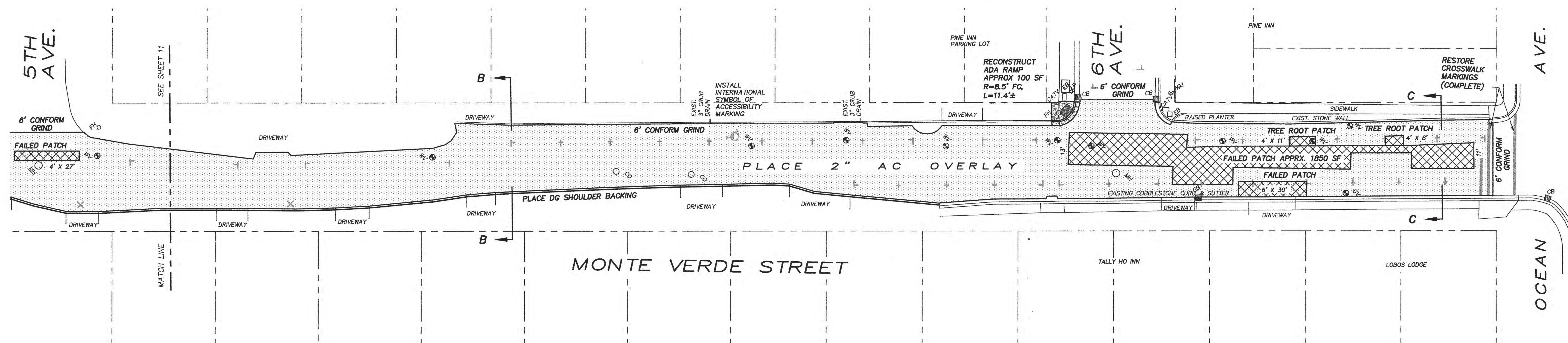


W.O. 8443A

APRIL 2023

SCALE: 1"=20'





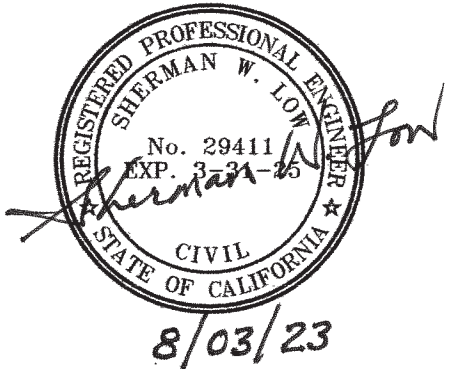
SHEET 12 OF 28

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Know what's below.
Call before you dig.

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
4	JUNIPERO AVENUE BETWEEN SECOND AVE AND CAMINO DEL MONTE CAMINO DEL MONTE BETWEEN JUNIPERO AVE AND JUNIPERO AVE	RECONSTRUCT TOP PORTION OF CATCH BASIN, CONFORM GRIND, PLACE 2-1/2" THICK AC OVERLAY, RESTORE ROLLED AC BERM, RAISE MANHOLES, WATER VALVES, AND RESTORE PAVEMENT MARKINGS (STOP BARS, STOP LEGENDS, CENTERLINES, EDGE LINES, YELLOW CROSSWALKS)	RECONSTRUCT TOP PORTION OF CB 1 EA 2-1/2" AC OVERLAY (13,000 SF) 240 TONS RESTORE AC BERM 490 LF RAISE MANHOLE 2 EA RAISE WATER VALVE 2 EA CENTERLINE MARKING, DETAIL 21 220 LF EDGE LINE MARKING, DETAIL 27B 60 LF STOP LEGEND MARKING 2 EA BASIC CROSSWALK MARKING (YELLOW) 3 EA STOP BAR MARKING 3 EA PLACE DECOMPOSED GRANITE SHOULDER BACKING 7 TON



NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

JUNIPERO AVENUE &
CAMINO DEL MONTE
OVERLAY

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: 1"=20'

FY 2021/2022 MICRO-SURFACING STREET PROJECTS

PLACE TYPE II MICRO-SURFACING INCLUDING PATCHING, CRACK SEAL, PAINT/THERMOPLASTIC MARKINGS REMOVAL, AND THERMOPLASTIC TRAFFIC STRIPING & MARKINGS RESTORATION

			APPROXIMATE QUANTITIES		TRAFFIC STRIPES AND MARKINGS TO BE INSTALLED – ALL NEW IN THERMOPLASTIC																									
ID #	STREET NAME	LIMITS OF WORK (APPROX.)	PATCH PAVEMENT (SF)	MICRO–SURFACING (SF)	DETAIL 8 MULTILANE (LF)	DETAIL 21 CENTERLINE (LF)	DETAIL 27B EDGELINE	"STOP" LEGEND	"25" LEGEND	BASIC CROSSWALK (WHITE)	CONTINENTAL CROSSWALK (WHITE)	SHARE ROADWAY BICYCLE MARKING	INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING	12" WHITE LIMIT LINE/STOP BAR	MOTORCYCLE STALL PARKING & LEGEND	4" PARKING TEES	TYPE 1 ARROW	REDUCED SIZE TYPE 1 ARROW	"STOP AHEAD" LEGEND	PARKING STALL	"X" LEGEND	SIGN POST ONE PANEL	SIGN POST TWO PANELS	SIGN POST THREE PANELS	REFRESH STOP BAR	REFRESH STOP LEGEND				
②	JUNIPERO AVENUE	4TH AVE. TO OCEAN AVE. (EXCLUDE N–BOUND LANES BETWEEN 5TH AVE. & OCEAN AVE.)	←										SEE SHEET 15																	
③A	SAN CARLOS STREET	8TH AVE. TO 11TH AVE.	←										SEE SHEETS 16–18																	
③B	SAN CARLOS STREET	11TH ST. TO 13TH. ST.	←										SEE SHEETS 19–20																	
		TOTAL	620 SF TREE ROOTS	147,000 SF	1,330 LF	2020 LF	0 LF	15 EA	4 EA	0 EA	7 EA	32 EA	0 EA	23 EA	3 EA	168 EA	0 EA	4 EA	3 EA	0 EA	2 EA	4 EA	9 EA	1 EA	2 EA	1 EA				

N.I.C.



LOCATION MAP



STREETS DESIGNATED FOR MICRO-SURFACING

WORK SHALL CONSIST OF:

1. PATCH PAVEMENT (TO BE DETERMINED IN FIELD)
2. REMOVE PAINT/THERMOPLASTIC MARKINGS BY GRINDING.
(NEED FOR PAINT REMOVAL TO BE DETERMINED IN FIELD BY ENGINEER.)
3. APPLY CRACK SEAL
4. CLEAN AND PREPARE SURFACE
5. PLACE MICRO-SURFACING TYPE II
6. RESTORE PAVEMENT MARKINGS (ALL THERMOPLASTIC)



NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

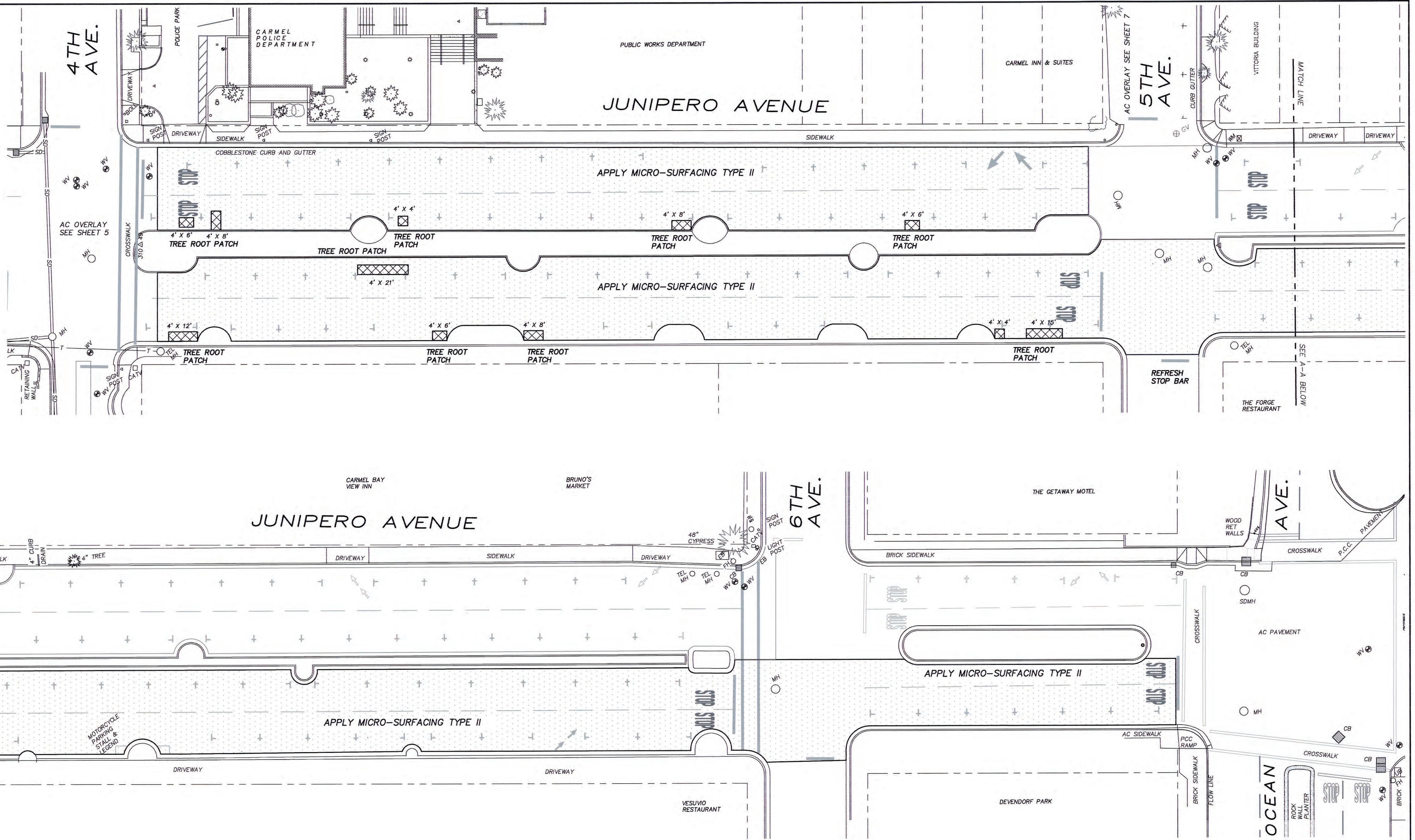
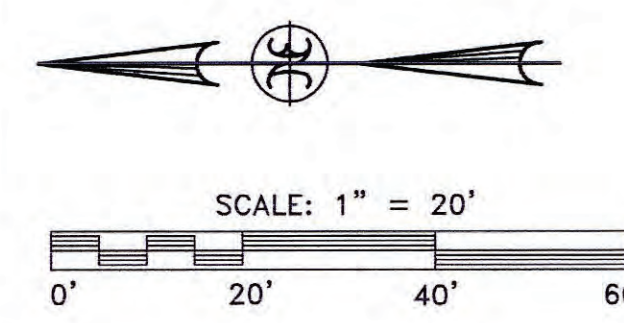
MICRO-SURFACING PLAN
FY 2021/2022
PAVEMENT
REHABILITATION PROGRAM

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE



FY 2021/2022 MICRO-SURFACING STREET PROJECTS

PLACE TYPE II MICRO-SURFACING INCLUDING PATCHING, CRACK SEAL, PAINT/THERMOPLASTIC MARKINGS REMOVAL, AND THERMOPLASTIC TRAFFIC STRIPING & MARKINGS RESTORATION

			APPROXIMATE QUANTITIES		TRAFFIC STRIPES AND MARKINGS TO BE INSTALLED												
ID #	STREET NAME	LIMITS OF WORK (APPROX.)	PATCH PAVEMENT TREE ROOTS (SF)	MICRO-SURFACING (SF)	DETAIL 8 CENTERLINE (LF)	"STOP" LEGEND	"25" LEGEND	BASIC CROSSWALK (WHITE)	DETAIL 27B EDGELINE	INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING	12" WHITE LIMIT LINE/STOP BAR	PARKING STALL LINES	4" PARKING TEES	TYPE 1 ARROW	REDUCED SIZE TYPE 1 ARROW	MOTORCYCLE STALL PARKING & LEGEND	REFRESH STOP BAR
②	JUNIPERO AVENUE	4TH AVE. TO OCEAN AVE. (EXCLUDE N-BOUND LANES BETWEEN 5TH AVE. & OCEAN AVE.)	420 SF	50,000	1,330	8					6		112		4	3	1



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CARMEL, CALIFORNIA

**STREET IMPROVEMENT
JUNIPERO AVENUE**

BETWEEN 4TH AVE. AND OCEAN AVE.
CARMEL-BY-THE-SEA, CALIFORNIA

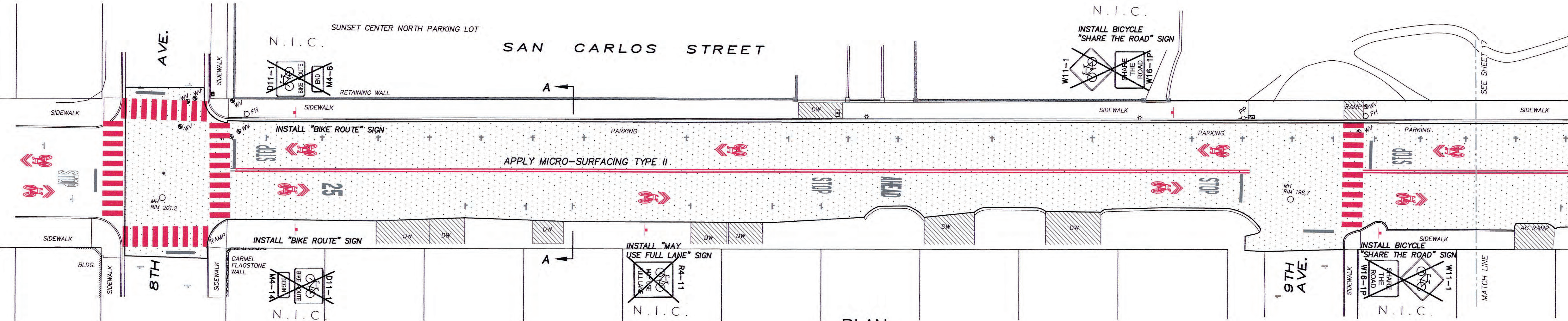
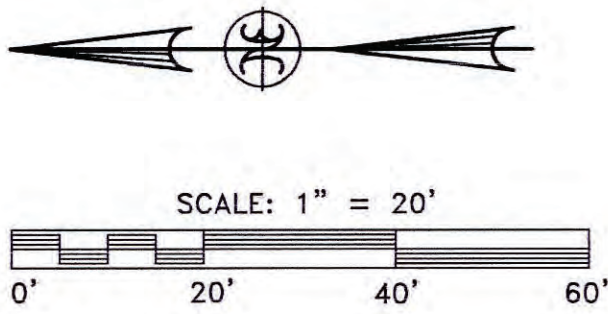
W.O. 8443A MAY 2022 SCALE: 1"=20'

FY 2021/2022 MICRO-SURFACING STREET PROJECTS

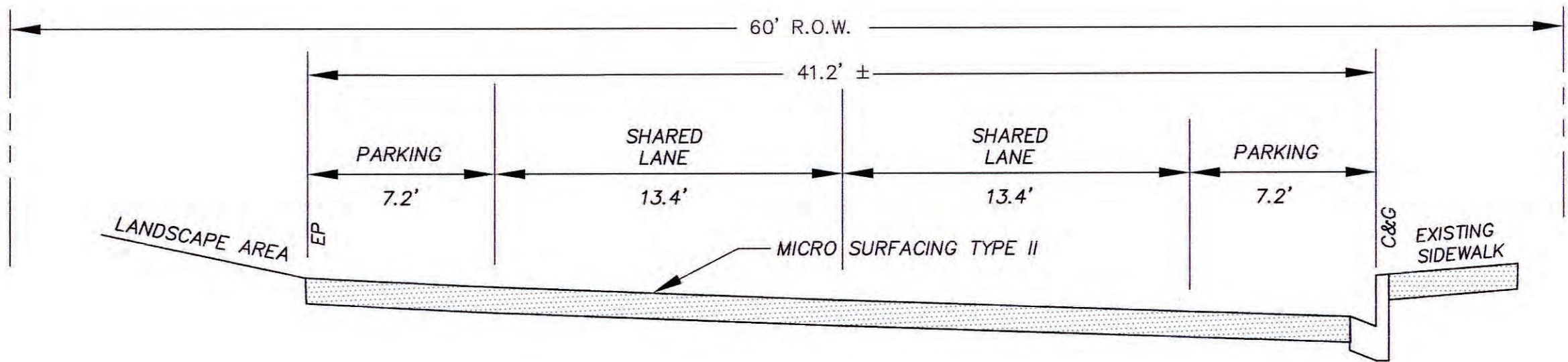
PLACE TYPE II MICRO-SURFACING INCLUDING PATCHING, CRACK SEAL, PAINT/THERMOPLASTIC MARKINGS REMOVAL, AND THERMOPLASTIC TRAFFIC STRIPING & MARKINGS RESTORATION

			APPROXIMATE QUANTITIES		TRAFFIC STRIPES AND MARKINGS TO BE INSTALLED – ALL NEW IN THERMOPLASTIC (COMBINED SHEETS 16, 17 & 18)																			
ID #	STREET NAME	LIMITS OF WORK (APPROX.)	PATCH PAVEMENT TREE ROOTS (SF)	MICRO-SURFACING (SF)	DETAIL 8 MULTILANE (LF)	DETAIL 21 CENTERLINE (LF)	DETAIL 27B EDGELINE	"STOP" LEGEND	"25" LEGEND	BASIC CROSSWALK (WHITE)	CONTINENTAL CROSSWALK (WHITE)	DETAIL 27B EDGELINE (LF)	SHARE ROADWAY BICYCLE MARKING	INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING	12" WHITE LIMIT LINE/STOP BAR	PARKING STALL LINES	4" PARKING TEES	TYPE 1 ARROW	"STOP AHEAD" LEGEND	"X" LEGEND	SIGN POST ONE PANEL	SIGN POST TWO PANELS	REFRESH STOP BAR	REFRESH STOP LEGEND
3A	SAN CARLOS STREET	8TH AVE. TO 11TH AVE. SHEETS 16, 17, 18	100	59,000		1,220		3	3		5		20		11		56		2	2	3	7	1	1

N.I.C.



PLAN
SCALE: 1"=20'



BIKE ROUTE
SHARED LANE
SECTION A-A
SCALE: 1"=5'

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CARMEL, CALIFORNIA

IMPROVEMENT PLAN
SAN CARLOS STREET
8TH AVE. & 9TH AVE.

CARMEL, CALIFORNIA



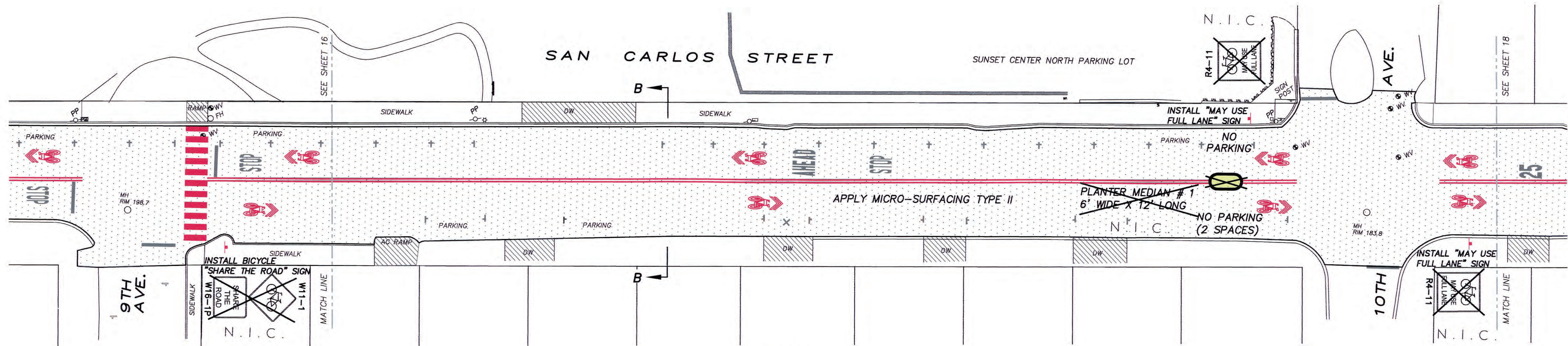
Know what's below.
Call before you dig.



W.O. 8443B

APRIL 2023

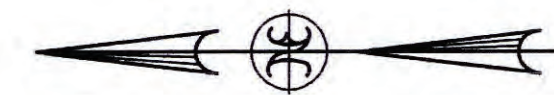
SCALE: 1"=20'



Plan view of the proposed 60' R.O.W. showing lane widths and existing features:

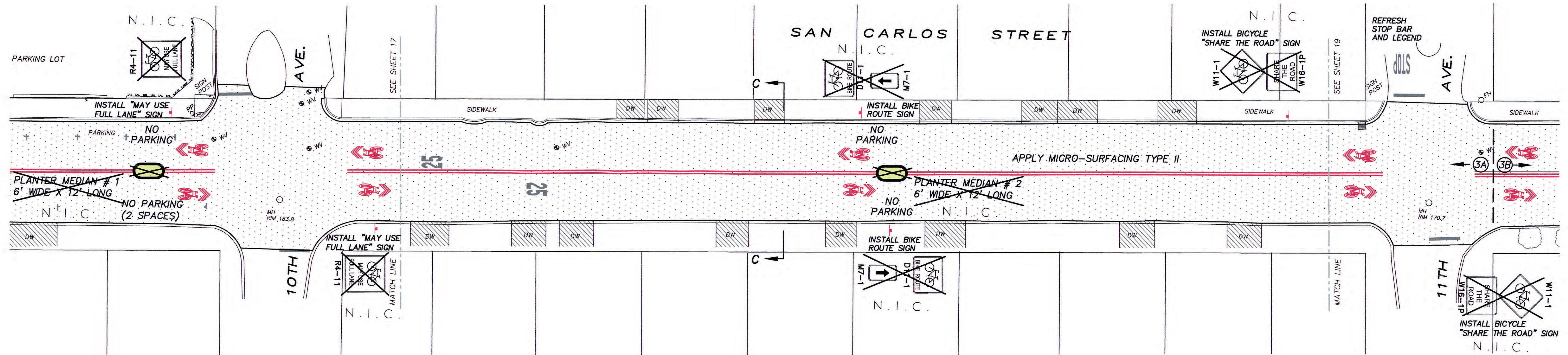
- Overall Right-of-Way (R.O.W.): 60'
- Existing Parking (EXIST PARKING): 7.2' (7.0' EP) on both sides.
- Shared Lane (SHARED LANE): 13.4' on both sides.
- Micro Surfacing Type II: Indicated for the shared lanes.
- Existing Sidewalk (EXISTING SIDEWALK): Located on the right side.
- Landscaping Area: Located on the left side.
- EP (Edge of Pavement): Indicated on the left side.
- C&G (Centerline and Grade): Indicated on the right side.

SHEET 17 OF 28



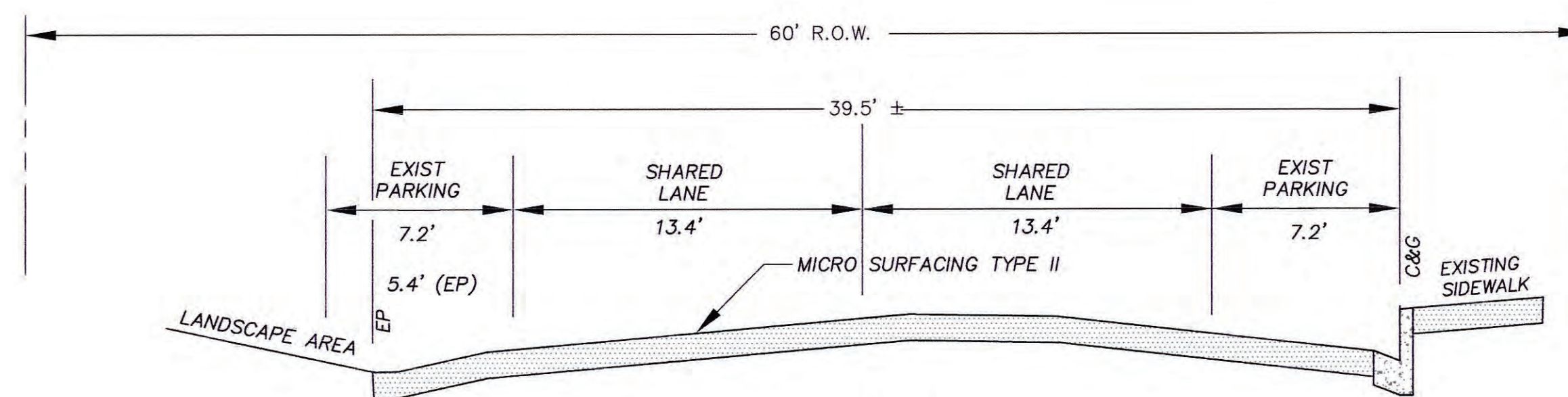
SCALE: 1" = 20'

0' 20' 40' 60'



PLAN

SCALE: 1"=20'



**BIKE ROUTE
SHARED LANE
SECTION C-C**

SCALE: 1"=5'

NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

IMPROVEMENT PLAN SAN CARLOS STREET 10TH AVE. & 11TH AVE.

CARMEL, CALIFORNIA



W.O. 8443B

APRIL 2023

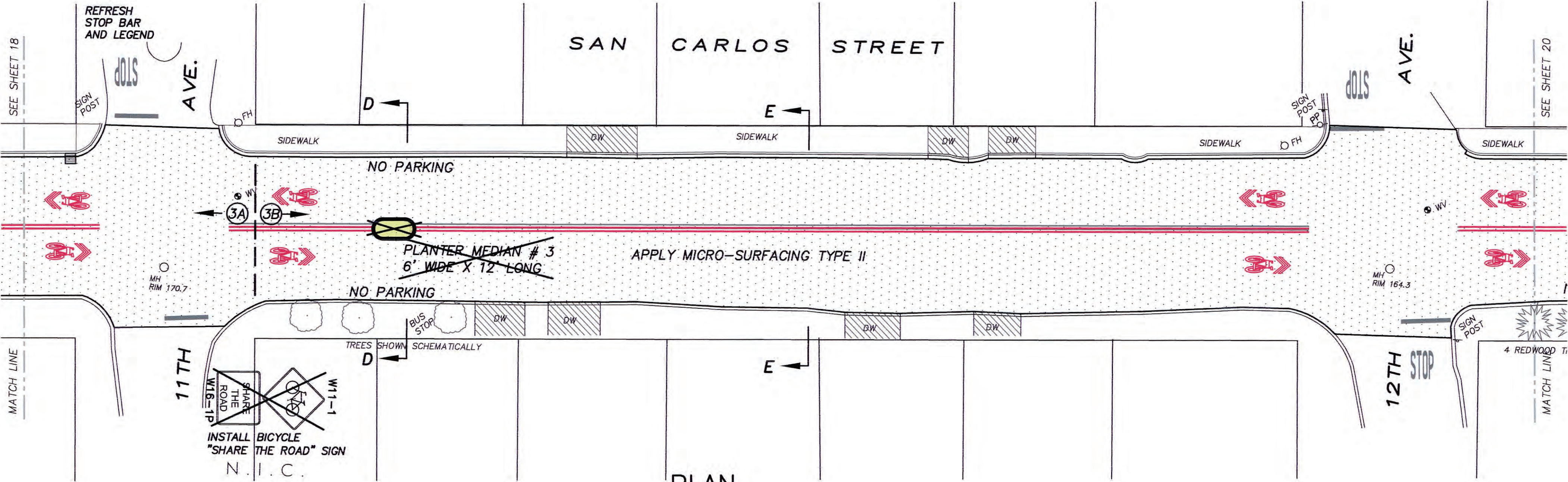
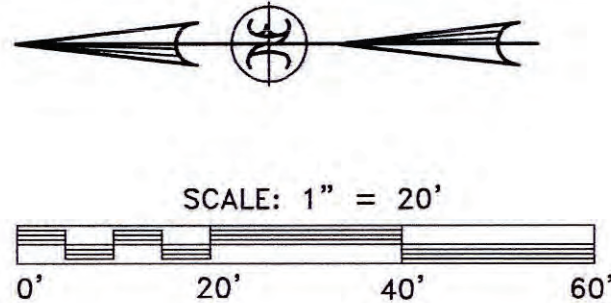
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FY 2021/2022 MICRO-SURFACING STREET PROJECTS

PLACE TYPE II MICRO-SURFACING INCLUDING PATCHING, CRACK SEAL, PAINT/THERMOPLASTIC MARKINGS REMOVAL, AND THERMOPLASTIC TRAFFIC STRIPING & MARKINGS RESTORATION

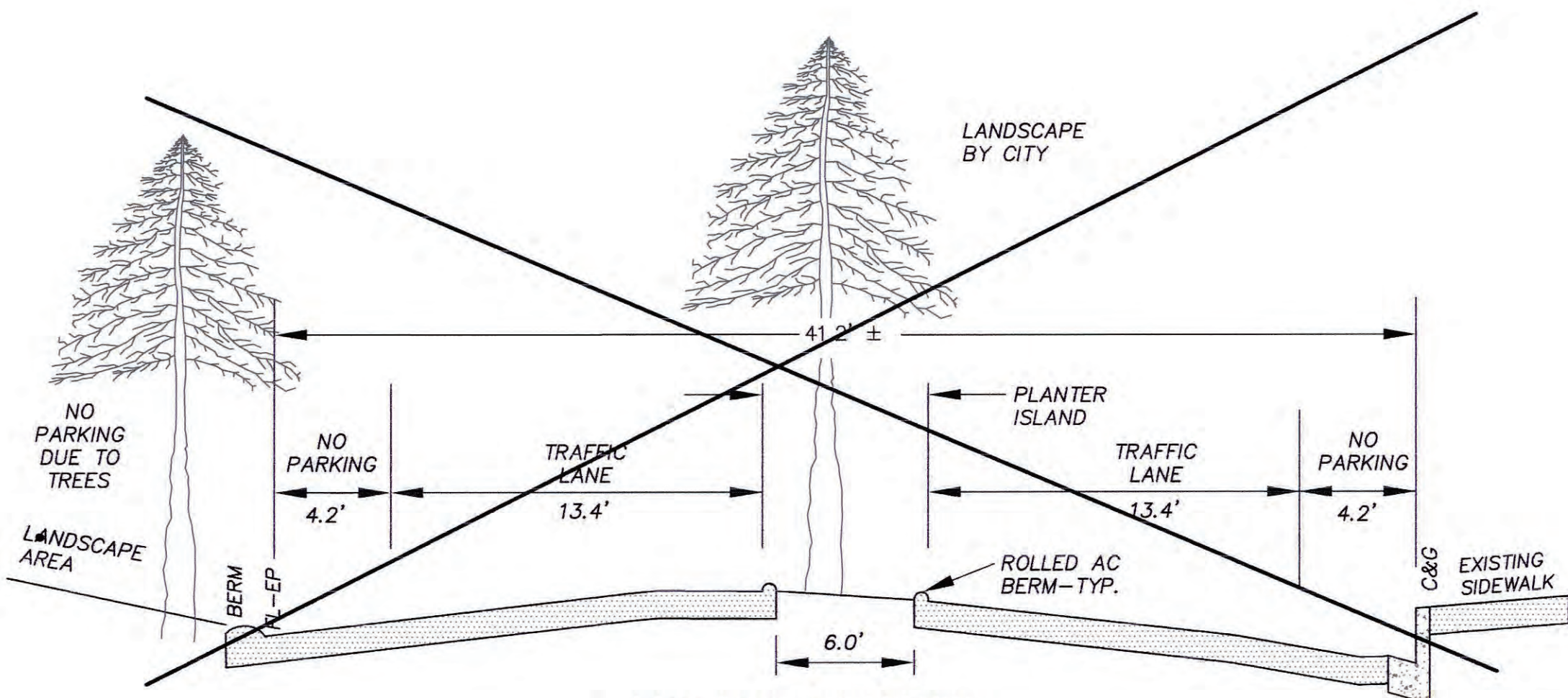
ID #	STREET NAME	LIMITS OF WORK (APPROX.)	APPROXIMATE QUANTITIES		TRAFFIC STRIPES AND MARKINGS TO BE INSTALLED - ALL NEW IN THERMOPLASTIC (COMBINED SHEETS 19-20)															SIGN POST ONE PANEL	SIGN POST TWO PANELS	SIGN POST THREE PANELS
			PATCH PAVEMENT TREE ROOTS (SF)	MICRO-SURFACING (SF)	DETAIL 8 MULTILANE (LF)	DETAIL 21 CENTERLINE (LF)	DETAIL 27B EDGE LINE	"STOP" LEGEND	"25" LEGEND	BASIC CROSSWALK (WHITE)	CONTINENTAL CROSSWALK (WHITE)	DETAIL 27B EDGE LINE (LF)	SHARE ROADWAY BICYCLE MARKING	INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING	12" WHITE LIMIT LINE/STOP BAR	PARKING STALL LINES	4" PARKING TEES	TYPE 1 ARROW	"STOP AHEAD" LEGEND			
3B	SAN CARLOS STREET	11TH ST. TO 12TH ST. SHEETS 19 AND 20	100	38,000		840		4	1		2		12		6				1	1	2	1

N.I.C.

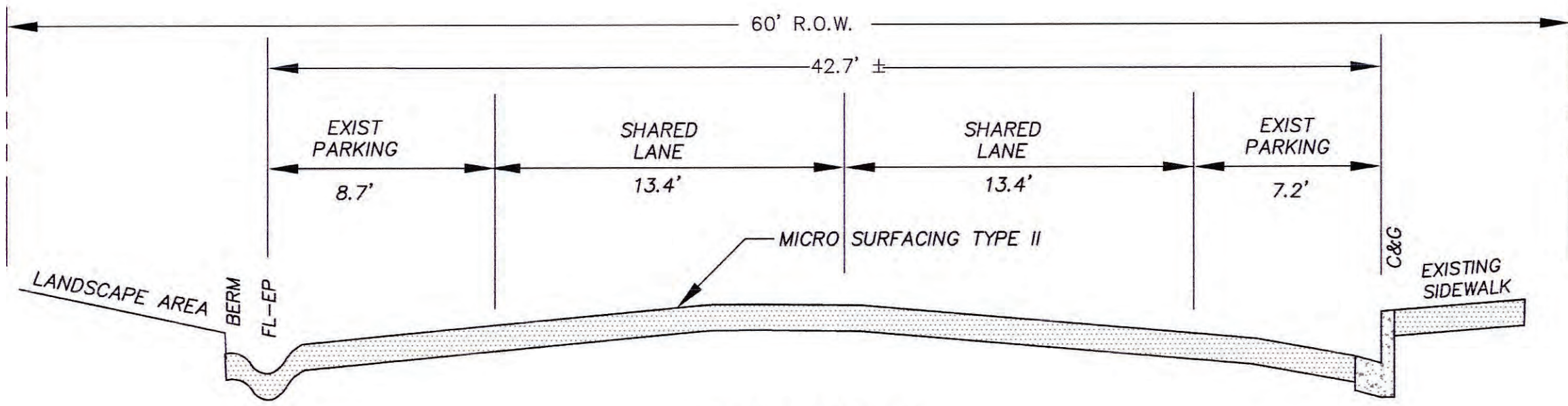


PLAN
SCALE: 1"=20'

N.I.C.



MEDIAN PLANTER
SECTION D-D
SCALE: 1"=5'



BIKE ROUTE
SHARED LANE
SECTION E-E
SCALE: 1"=5'

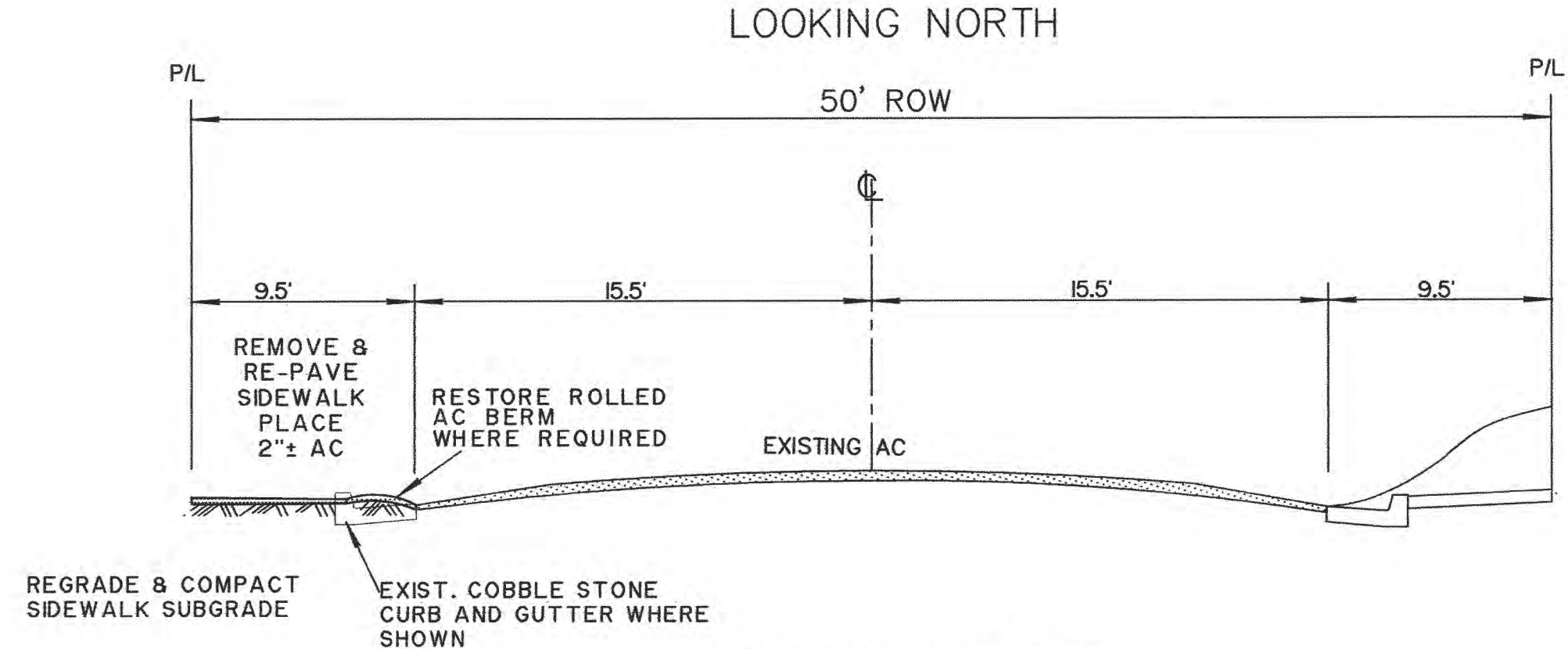
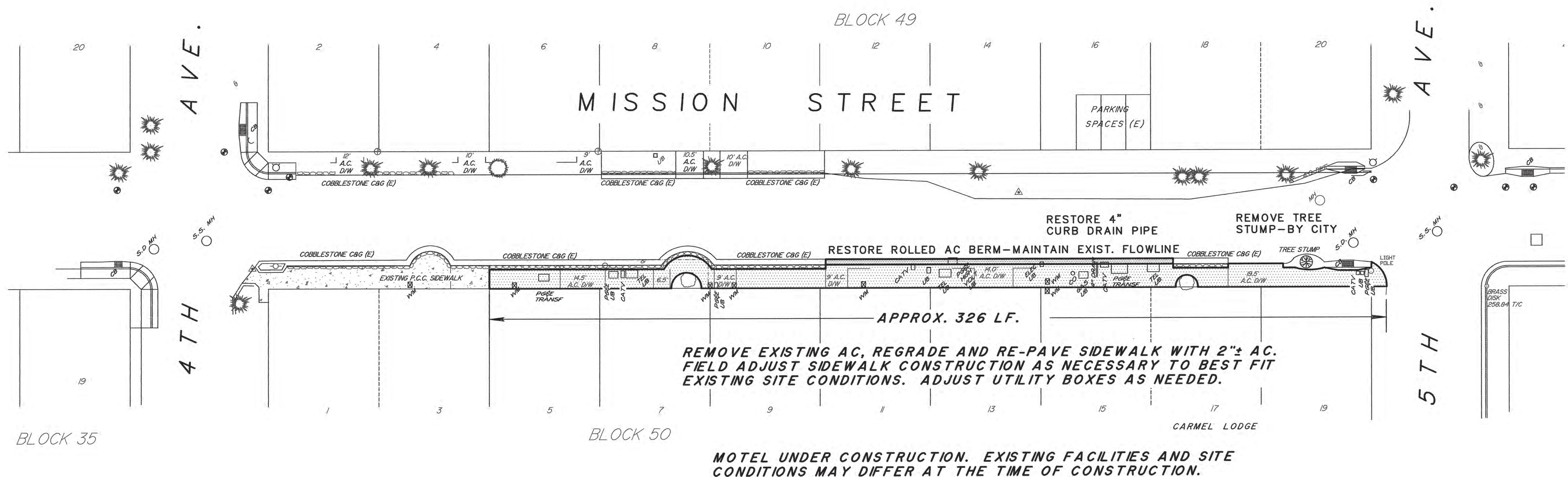
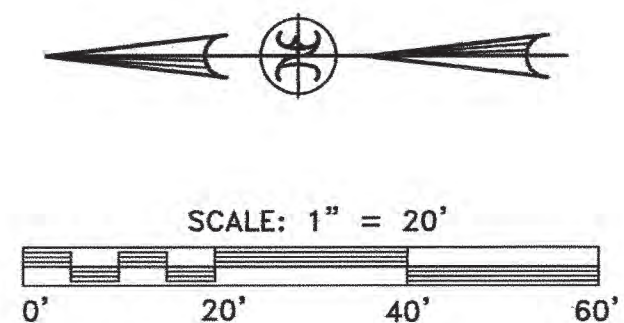
NEILL ENGINEERS CORP. CARMEL, CALIFORNIA

IMPROVEMENT PLAN
SAN CARLOS STREET
11TH AVE. & 12TH AVE.

CARMEL, CALIFORNIA

W.O. 8443B APRIL 2023 SCALE: 1"=20'





MISSION STREET
TYPICAL SECTION
NO SCALE

NEILL ENGINEERS CORP. CARMEL, CALIFORNIA

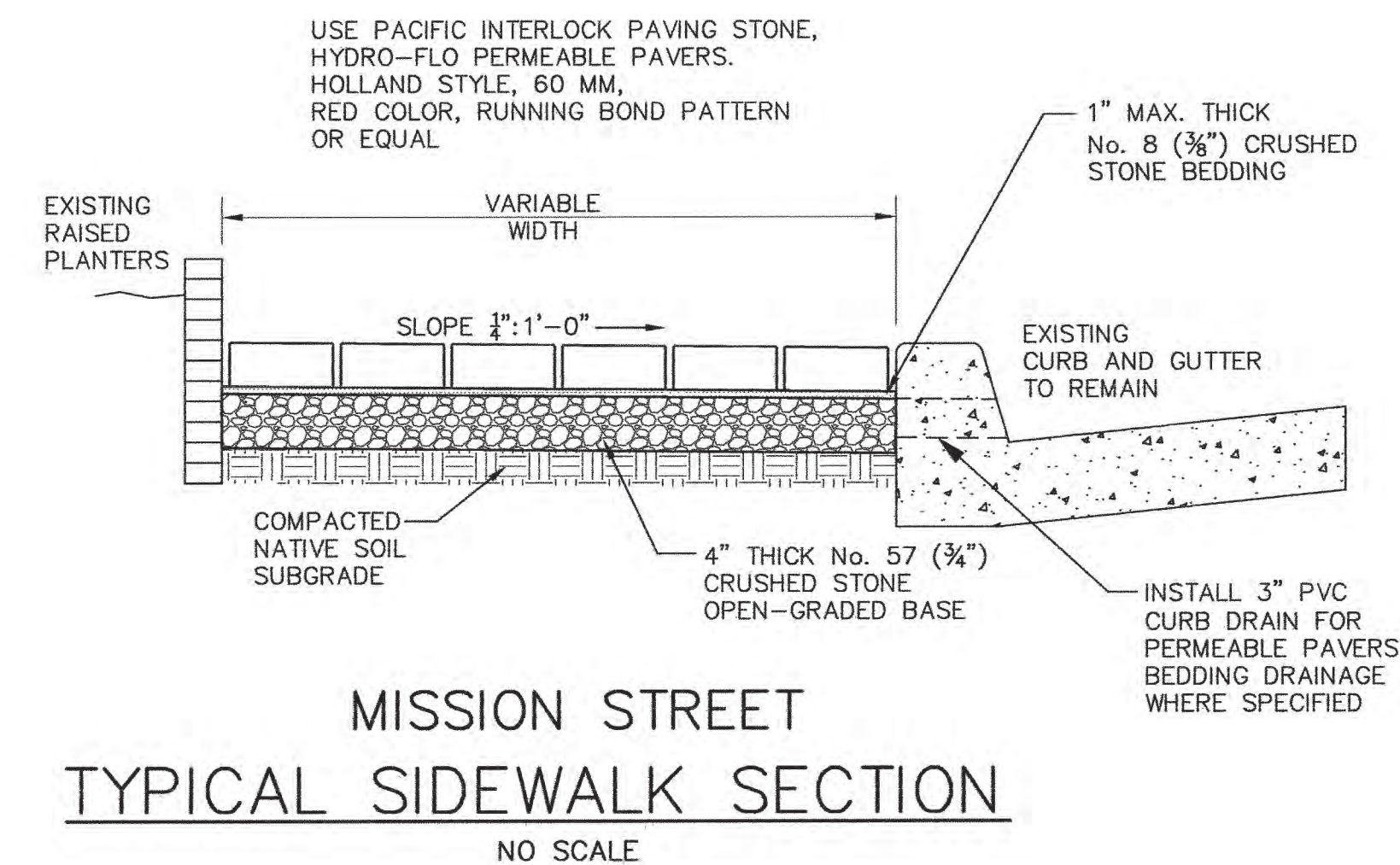
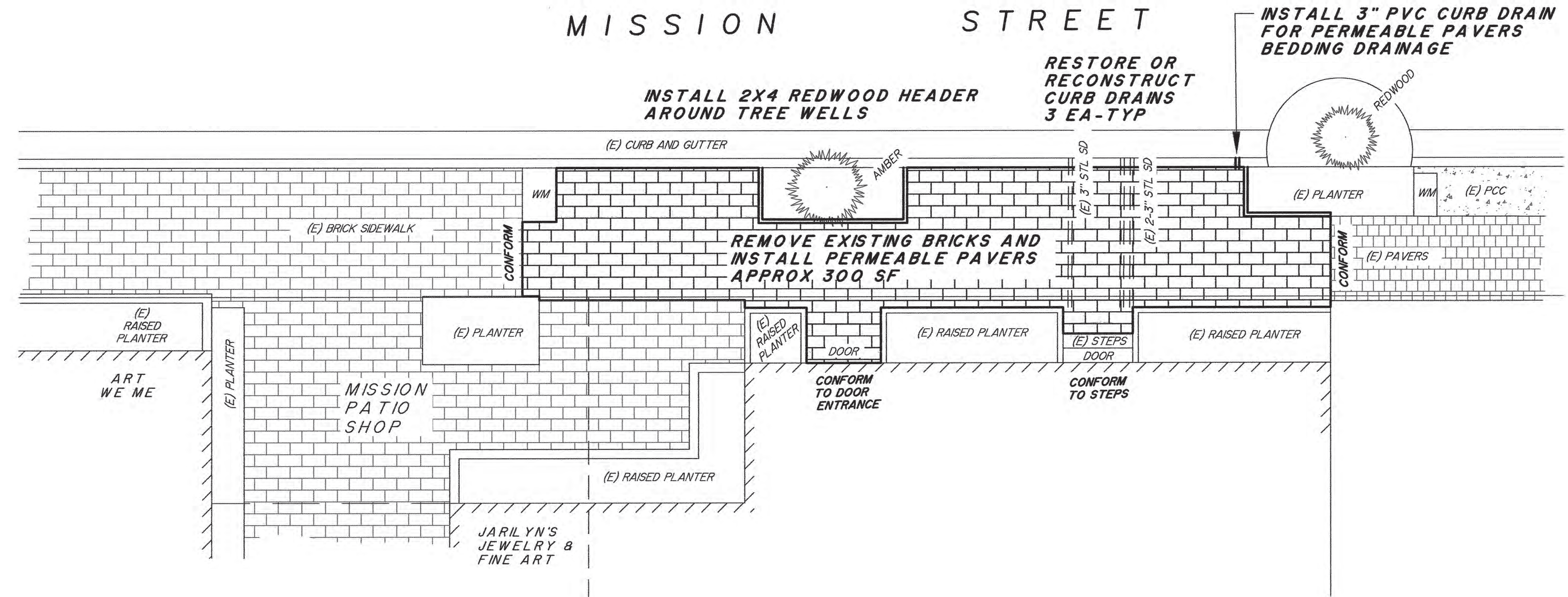
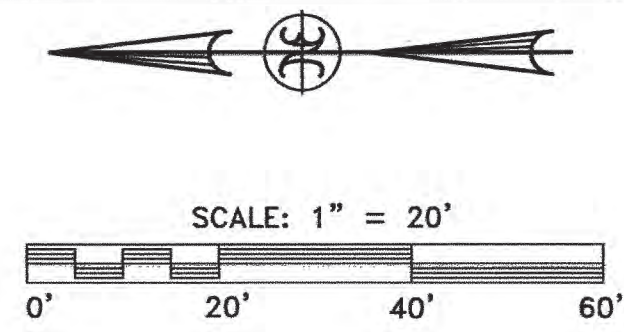
**SIDEWALK IMPROVEMENTS
MISSION STREET
WEST SIDE SIDEWALK
RECONSTRUCTION**
BETWEEN 4TH AVE. AND 5TH AVE.
CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A APRIL 2023 SCALE: 1"=20'

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
SW4	MISSION STREET BETWEEN 4TH AVE AND 5TH AVE	REMOVE EXISTING AC, REGRADE AND COMPACT SUBGRADE, PLACE 2" AC SURFACE, RESTORE AC BERM, RAISE/ADJUST UTILITY BOXES, RESTORE CURB DRAIN PIPE IF NECESSARY: TELEPHONE UTILITY BOX TO BE RAISED/ADJUSTED BY AT&T ELEC. TRANSFORMER TO BE RAISED/ADJUSTED BY PG&E	2" THICK AC SIDEWALK PAVING 2,400 SF RESTORE AC BERM 100 LF RAISE/ADJUST WATER METER BOX 5 EA RAISE/ADJUST CATV BOXES 4 EA RAISE/ADJUST UTILITY BOXES (PG&E, TEL, GAS, UNKNOWN) 10 EA RAISE/ADJUST CLEANOUT 1 EA RESTORE 3" CURB DRAIN 1 EA



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I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
SW1	MISSION STREET BETWEEN 5TH AVE AND 6TH AVE	REMOVE EXISTING BRICKS, REGRADE AND COMPACT SUBGRADE, INSTALL 2"x4" REDWOOD HEADERS FOR TREE WELLS, CRUSHED STONE BEDDING, AND PERMEABLE PAVERS SIDEWALK, RESTORE/INSTALL CURB DRAIN PIPES.	REMOVE BRICKS AND INSTALL PERMEABLE PAVERS 300 LF RESTORE 3" CURB DRAIN LINES 3 EA INSTALL 3" PVC CURB DRAIN 1 EA INSTALL 2"x4" REDWOOD HEADER FOR TREE WELLS



NEILL ENGINEERS CORP. CARMEL, CALIFORNIA

SIDEWALK IMPROVEMENTS MISSION STREET WEST SIDE SIDEWALK RECONSTRUCTION

BETWEEN 5TH AVE. AND 6TH AVE.

CARMEL-BY-THE-SEA, CALIFORNIA



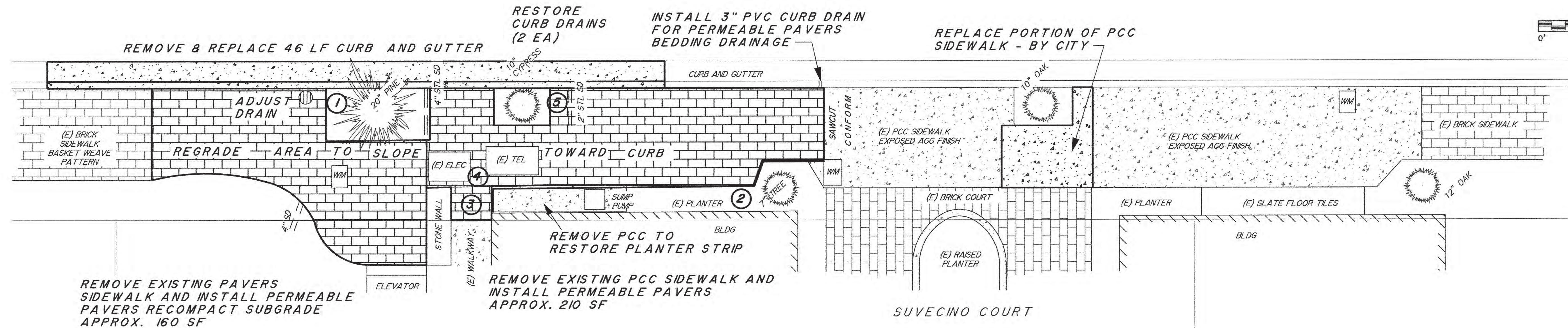
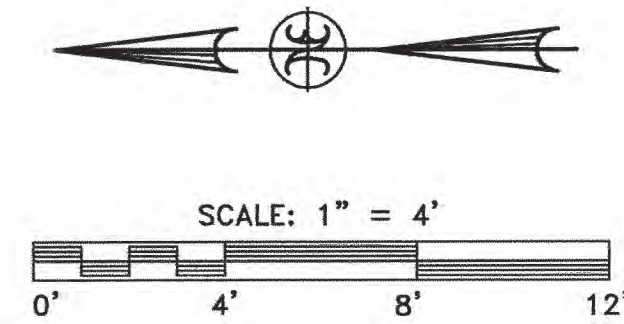
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APRIL 2023

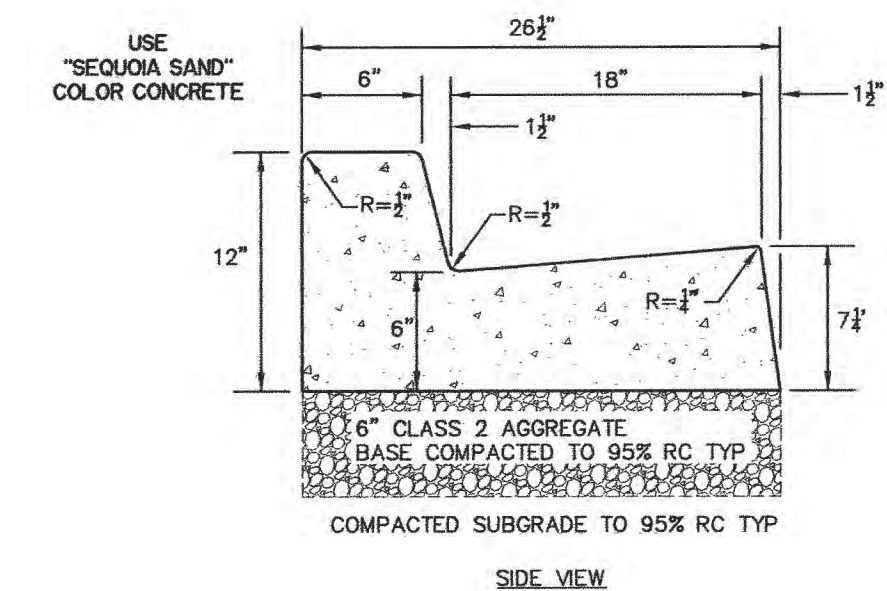
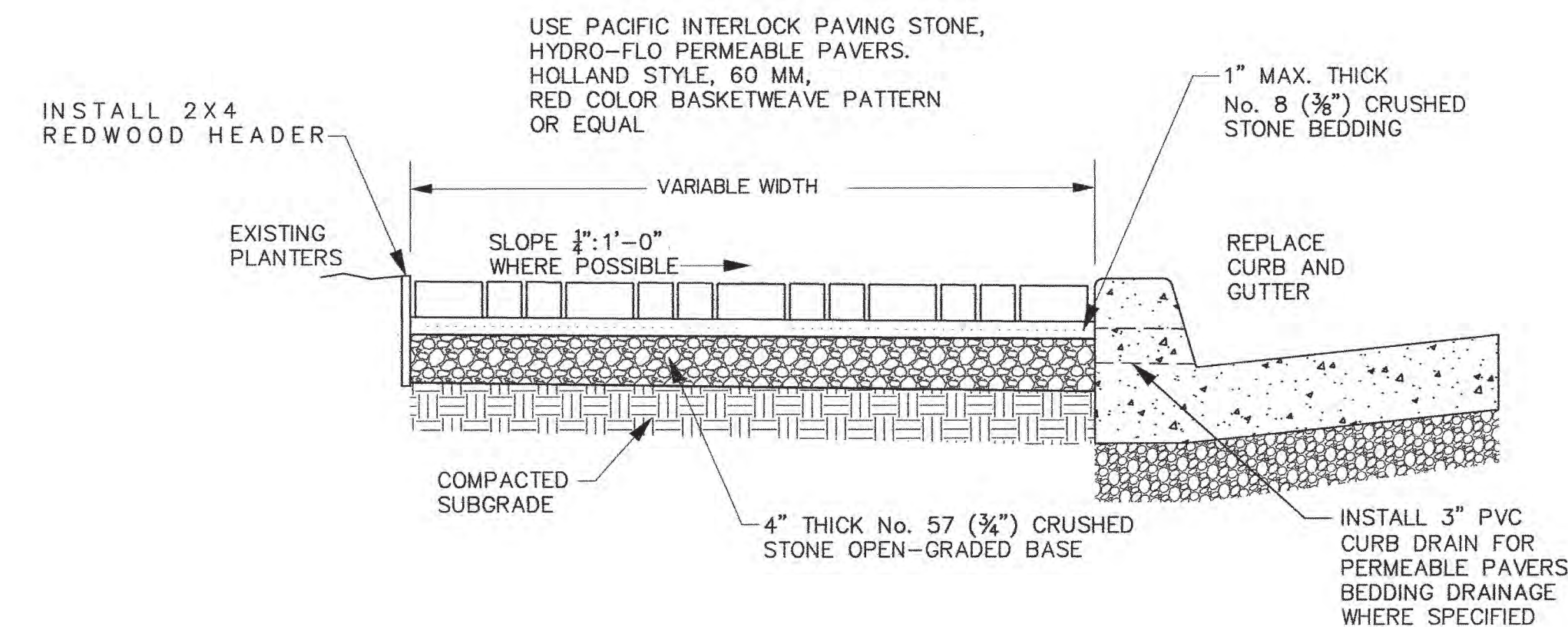
SCALE: 1"=20'

DOLORES

STREET



- ① INSTALL 2X4 REDWOOD HEADER AROUND ALL TREE WELLS
- ② INSTALL 2X4 REDWOOD HEADER AT BACK OF SIDEWALK ALONG PLANTER STRIP
- ③ RAMP DOWN TO WALKWAY WITH PERMEABLE PAVERS
- ④ RAISE EXISTING UTILITY BOXES TO NEW FINISH GRADE
- ⑤ RESTORE OR RECONSTRUCT ALL EXISTING CURB DRAINS AND PIPES, INSTALL CURB DRAIN FOR PERMEABLE PAVERS BEDDING DRAINAGE



- NOTES:**
1. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH SECTION 73 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS
 2. CONCRETE TO BE CLASS B (5 SACK).
 3. PLACE 6\"/>
- CURB AND GUTTER DETAIL**
NOT TO SCALE

DOLORES STREET
TYPICAL SIDEWALK SECTION
NO SCALE

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
SW2	DOLORES STREET BETWEEN 5TH AVE AND 6TH AVE	RECONSTRUCT CURB & GUTTER, REMOVE EXISTING PAVERS AND CONCRETE, REGRADE AND COMPACT SUBGRADE, INSTALL CRUSHED STONE BEDDING AND PERMEABLE PAVERS, CONSTRUCT RAMP DOWN TO WALKWAY, INSTALL REDWOOD HEADERS, RAISE UTILITY BOXES, AND RESTORE/INSTALL CURB DRAIN PIPES. REGRADE SIDEWALK AREA TO SLOPE TOWARD CURB.	RECONSTRUCT CURB AND GUTTER 50 LF RPLACE EXISTING SIDEWALK WITH PERMEABLE PAVERS 370 SF RESTORE CURB DRAIN PIPES 2 EA INSTALL CURB DRAIN 1 EA RAISE UTILITY BOXES 3 EA INSTALL 2\"/>



NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

**SIDEWALK IMPROVEMENTS
DOLORES STREET
WEST SIDE SIDEWALK
RECONSTRUCTION**

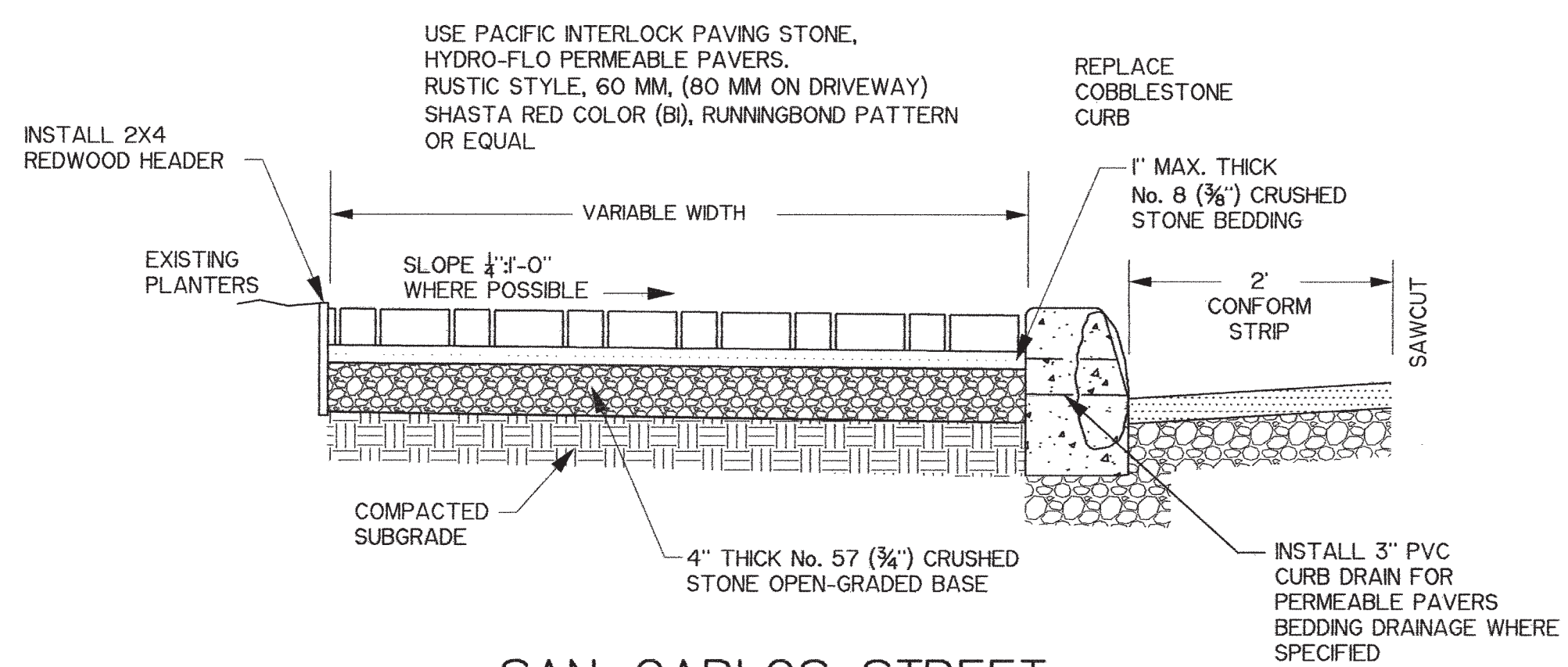
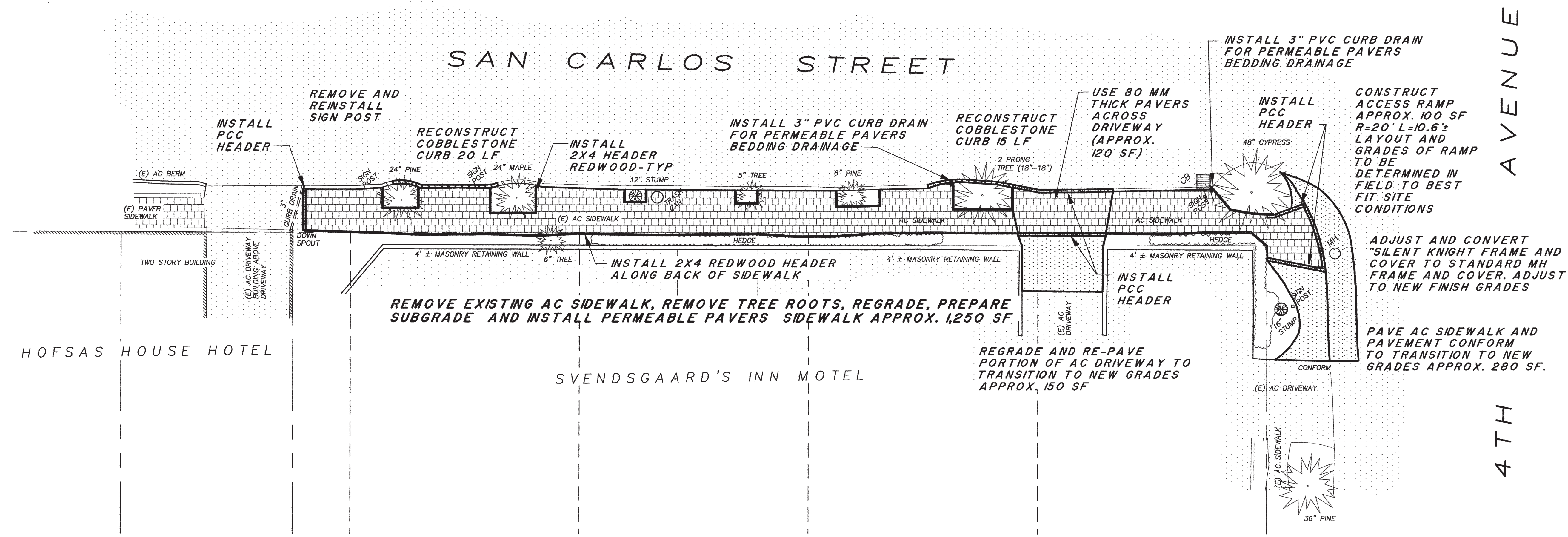
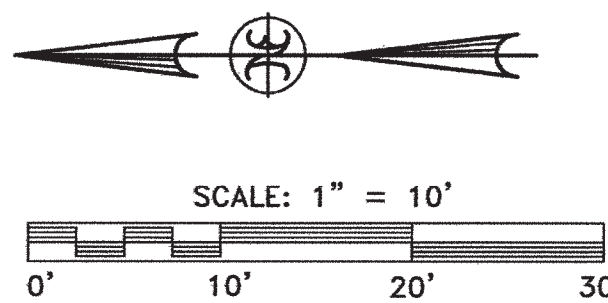
BETWEEN 5TH AVE. AND 6TH AVE.

CARMEL-BY-THE-SEA, CALIFORNIA

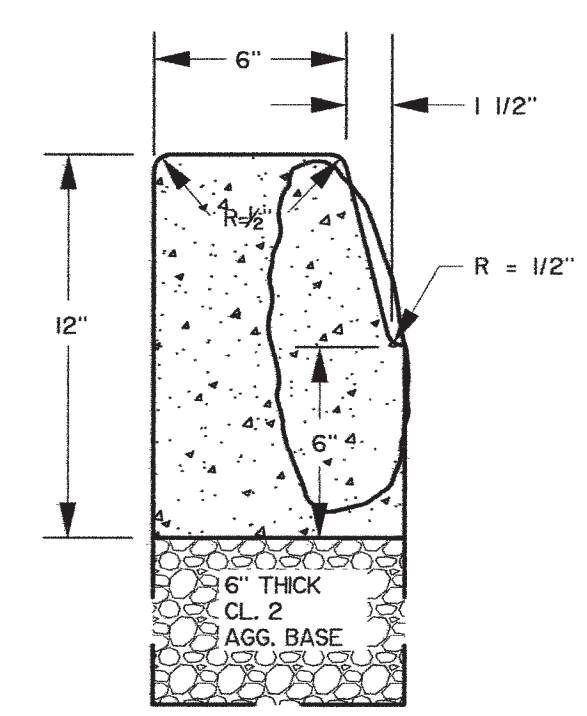
W.O. 8443A

APRIL 2023

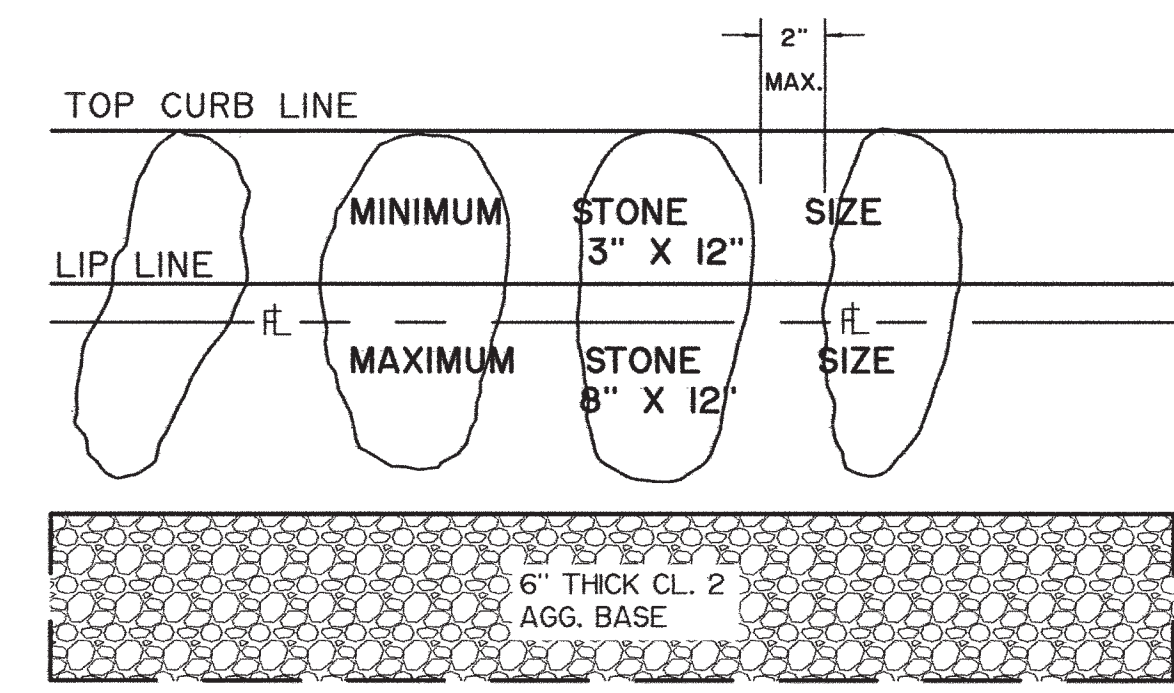
SCALE: 1\"/>



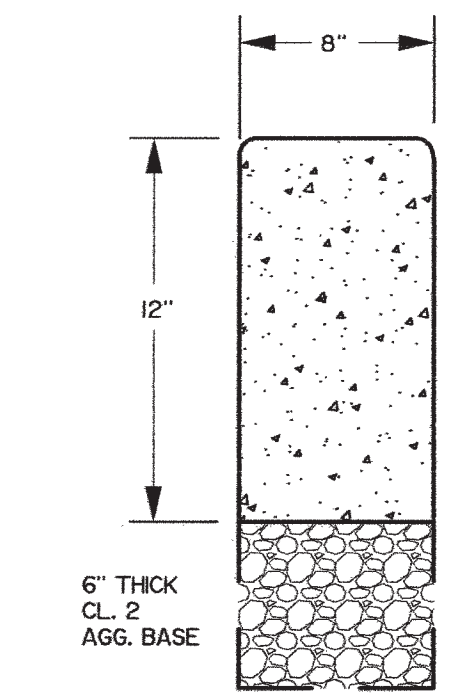
SAN CARLOS STREET
TYPICAL SIDEWALK SECTION
NO SCALE



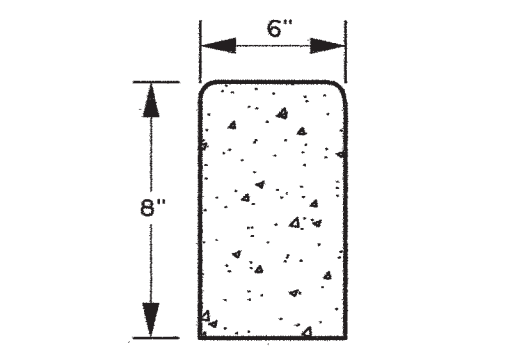
COMPACTED SUBGRADE
SIDE VIEW



COBBLESTONE CURB DETAIL
NO SCALE

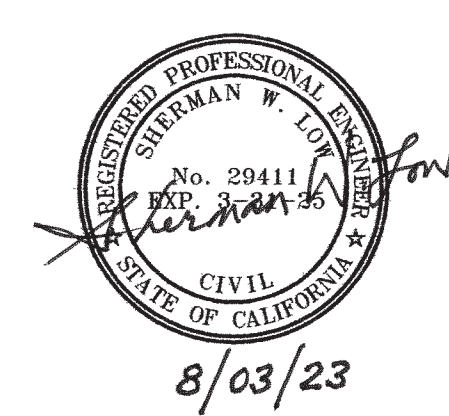


COMPACTED SUBGRADE
PCC HEADER DETAIL
AT DRIVEWAY FRONT & BACK
NO SCALE

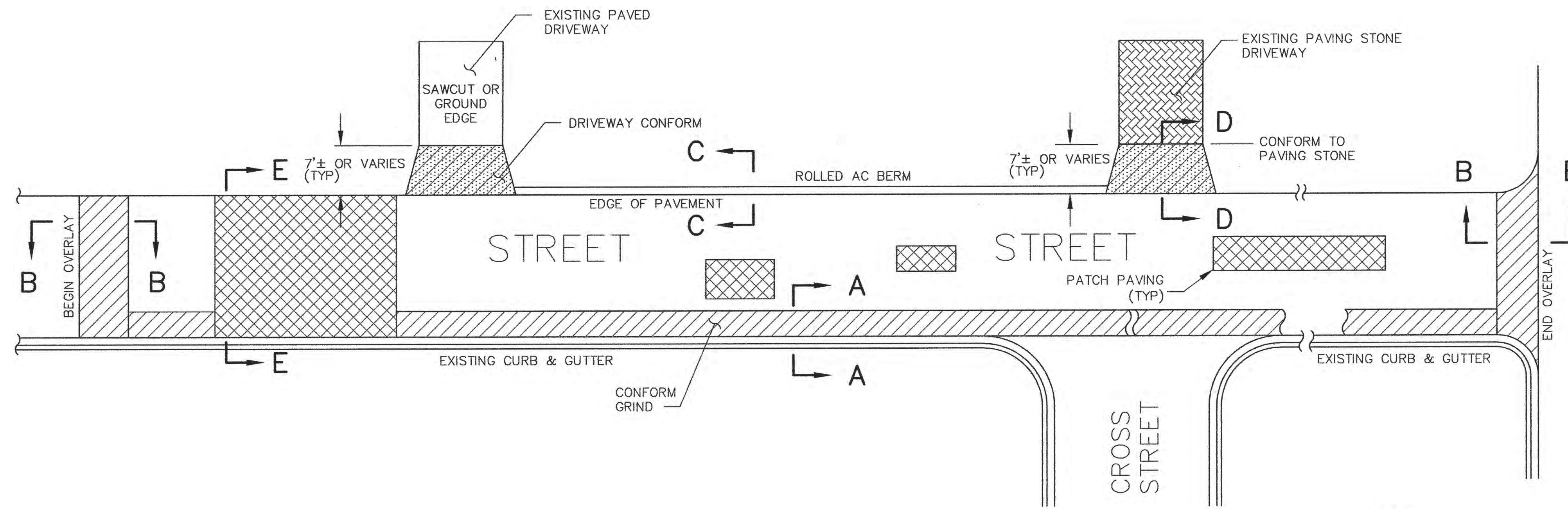


COMPACTED SUBGRADE
PCC HEADER DETAIL
ACROSS SIDEWALK &
ALONG ACCESS RAMP
NO SCALE

I.D.	LOCATION	GENERAL DESCRIPTION OF WORK	APPROX. QUANTITIES
SW3	SAN CARLOS STREET NORTH OF 4TH AVE. WEST SIDE SIDEWALK	RECONSTRUCT COBBLESTONE CURB, ADJUST AND CONVERT MH, REMOVE AC SIDEWALK, GRADE & PREPARE SUBGRADE, INSTALL PCC & REDWOOD HEADERS, INSTALL CRUSHED STONE BEDDING AND PERMEABLE PAVERS, INSTALL CURB DRAINS, CONSTRUCT ACCESS RAMP, REPAVE TRANSITION CONFORM AREAS WITH AC. REMOVE AND REINSTALL SIGN POSTS AS DIRECTED BY CITY.	RECONSTRUCT COBBLESTONE CURB 35 LF INSTALL 2X4 REDWOOD EDGING 250 LF INSTALL PERMEABLE PAVERS 1,250 SF INSTALL PCC HEADER 12"x8" 36 LF INSTALL PCC HEADER 8"x6" 40 LF INSTALL 3" PVC CURB DRAIN 2 EA PAVE AC TRANSITION AREAS 430 SF CONVERT FRAME & COVER 1 EA ADJUST MH



NEILL ENGINEERS CORP.
CARMEL, CALIFORNIA
**SIDEWALK IMPROVEMENTS
SAN CARLOS STREET**
WEST SIDEWALK NORTH OF 4TH AVE.
CARMEL-BY-THE-SEA, CALIFORNIA
APRIL 2023
SCALE: 1"=10'



PAVEMENT CONFORM DETAILS
NOT TO SCALE

LEGEND

- PATCH PAVEMENT OR RECONSTRUCT PAVEMENT
- CONFORM GRIND
- DRIVEWAY CONFORM

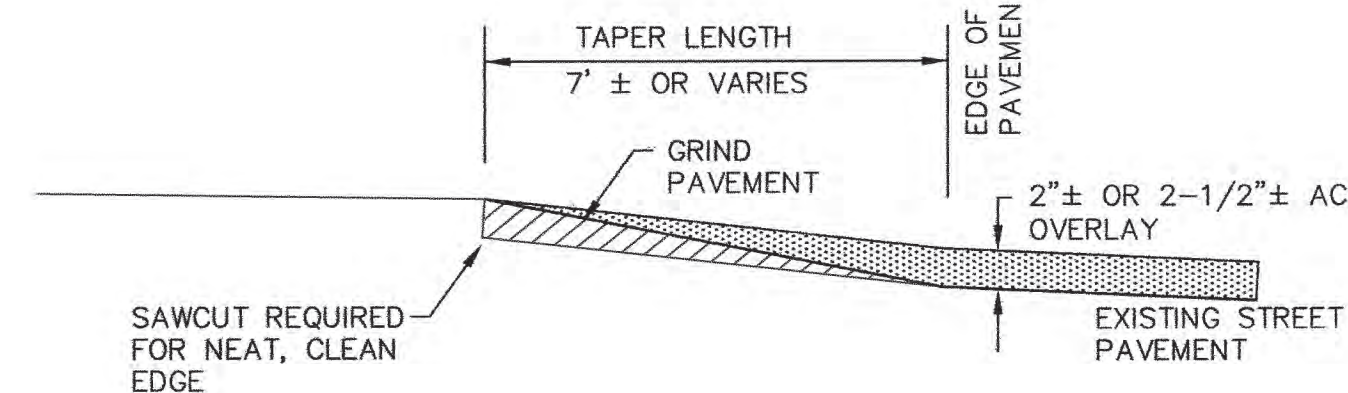
NOTES

- ALL STREET PAVEMENT CONFORMS SHALL BE MADE WITH A 6' WIDE GRIND STRIP ALONG PAVEMENT EDGES, LIP OF GUTTER, AND CROSS-STREET TIE-INS. FOR RESIDENTIAL STREETS, A 4' WIDE GRIND WILL BE ACCEPTABLE. ALL DRIVEWAY CONFORMS SHALL BE MADE BY GRINDING TO THE EDGE OF THE NON-AC DRIVEWAY SURFACE MATERIAL. GRINDING WIDTH AND LENGTH FOR DRIVEWAY CONFORMS WILL VARY. SAWCUTS MAY BE REQUIRED TO PROVIDE A NEAT, CLEAN EDGE FOR STREETS AND DRIVEWAY CONFORMS. LOCATION, WIDTH, AND LENGTH FOR INDIVIDUAL DRIVEWAY CONFORMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- PAVEMENT PATCHES FOR FAILED AREAS SHALL CONSIST OF SAWCUTTING, ROADWAY EXCAVATION, COMPACTED NATIVE SUBGRADE, PLACEMENT OF 8" THICK CLASS 2 AGGREGATE BASE AND 2" THICK ASPHALT CONCRETE PRIOR TO OVERLAY. AN EQUIVALENT 6" THICK DEEP-LIFT AC SECTION MAY BE USED IN LIEU OF A BASEROCK/AC SECTION, SUBJECT TO APPROVAL BY THE ENGINEER. (EXCEPTION: SEE PATCH PAVEMENT DETAIL SECTION E-E FOR JUNIPERO AVE.)

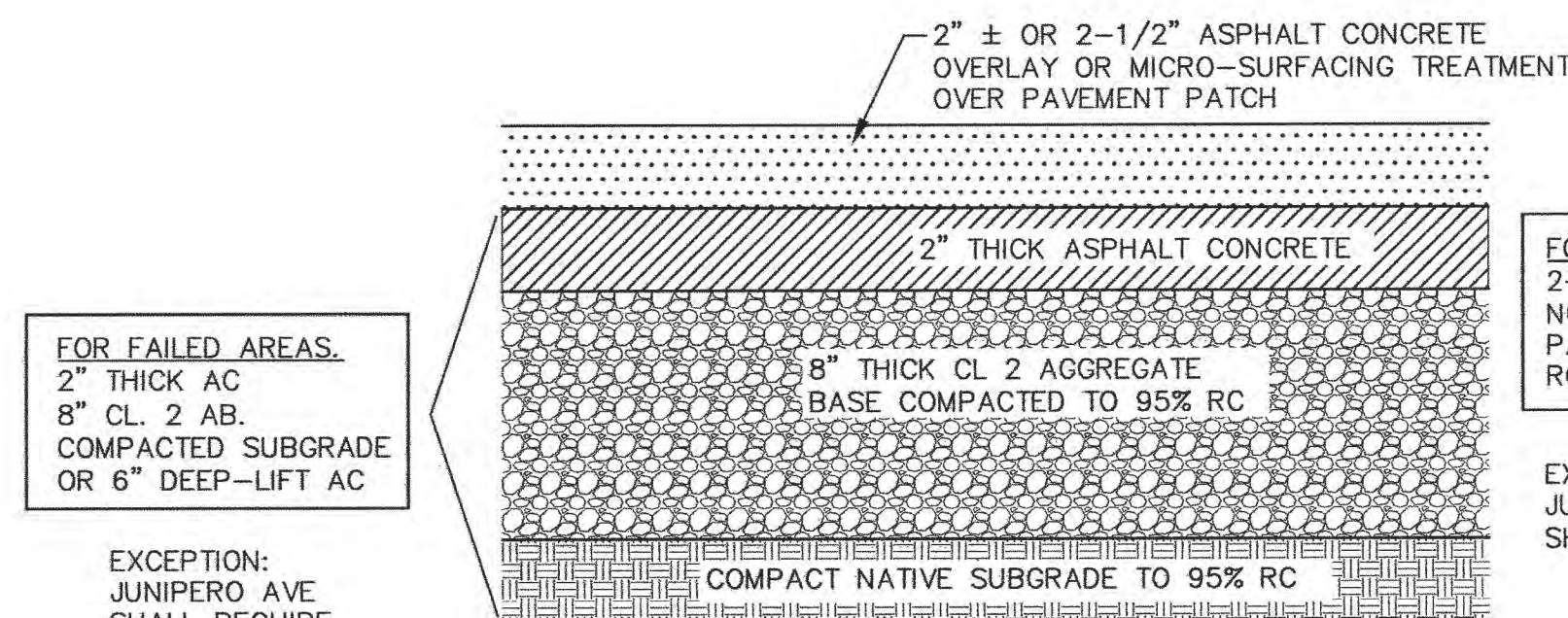
PAVEMENT PATCHES FOR TREE ROOT DAMAGE AREAS SHALL CONSIST OF SAWCUTTING, EXCAVATION, REMOVAL OF TREE ROOTS, AND PLACEMENT OF 2-1/2" THICK ASPHALT CONCRETE OVER COMPACTED BASE PRIOR TO OVERLAY OR MICRO-SURFACING. (EXCEPTION: SEE PATCH PAVEMENT DETAIL SECTION E-E FOR JUNIPERO.)

- EXACT LOCATIONS AND LIMITS OF PATCHING AREAS WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER.
- PAVEMENT RECONSTRUCTION AREAS SHALL CONSIST OF THE SPECIFIED THICKNESS OF CLASS 2 AGGREGATE AND ASPHALT CONCRETE OVER COMPACTED NATIVE SUBGRADE. AN EQUIVALENT DEEP-LIFT AC SECTION WILL NOT BE ALLOWED FOR AREAS SPECIFIED FOR PAVEMENT RECONSTRUCTION, UNLESS AUTHORIZED BY THE ENGINEER.
- SEE SHEETS 2 AND 14-19 FOR MICRO-SURFACING WORK.

TAPER LENGTH OF DRIVEWAY CONFORM TO BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION

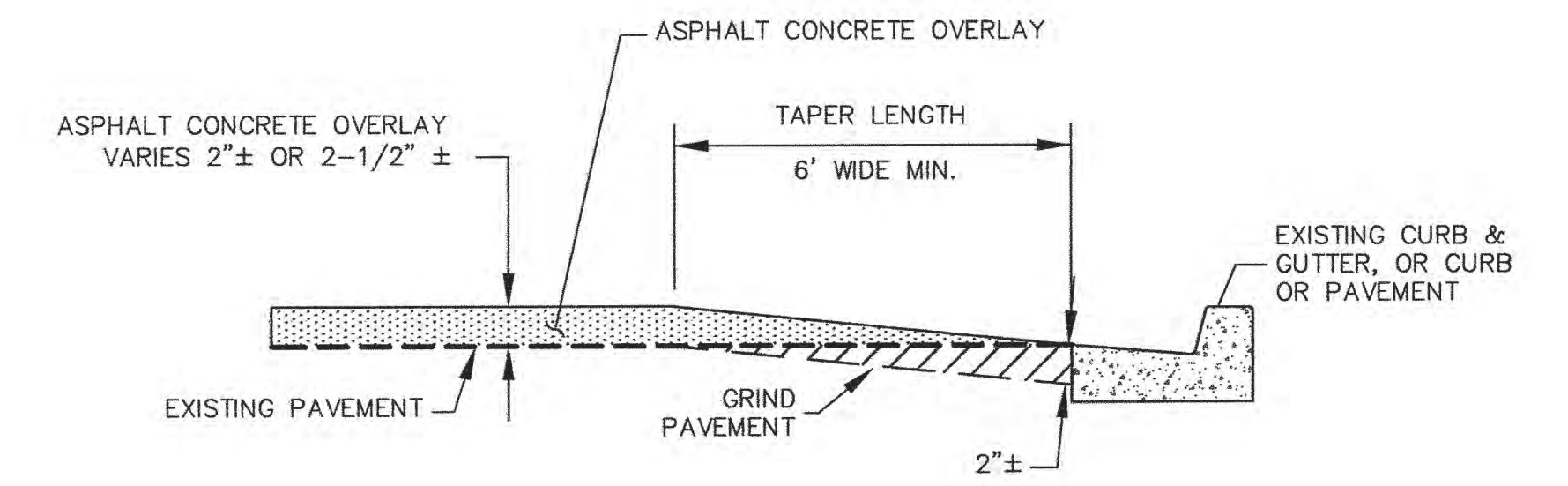


**SECTION D-D
DRIVEWAY CONFORM DETAIL**
NOT TO SCALE

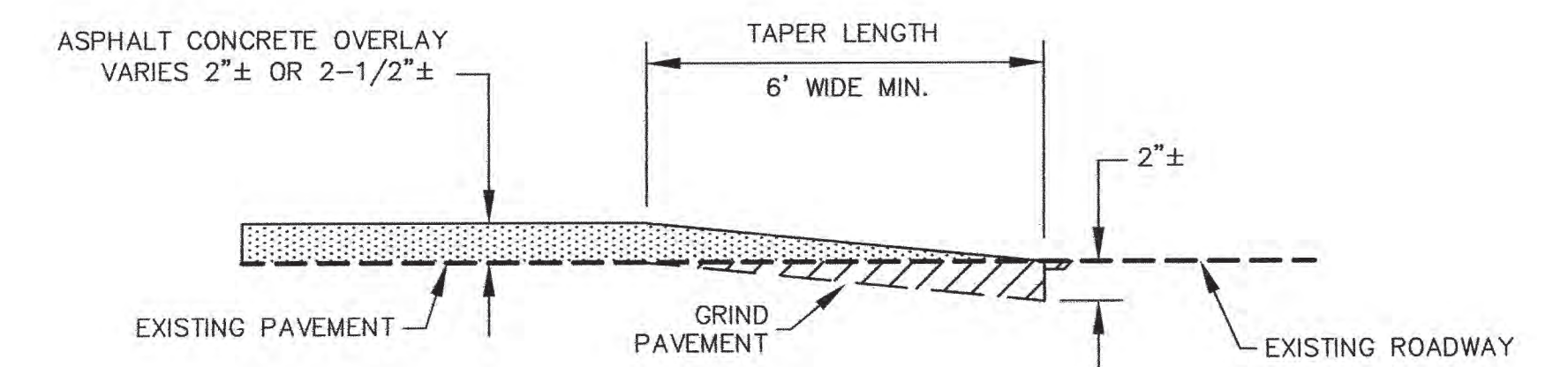


**SECTION E-E
PATCH PAVEMENT DETAIL**
NO SCALE

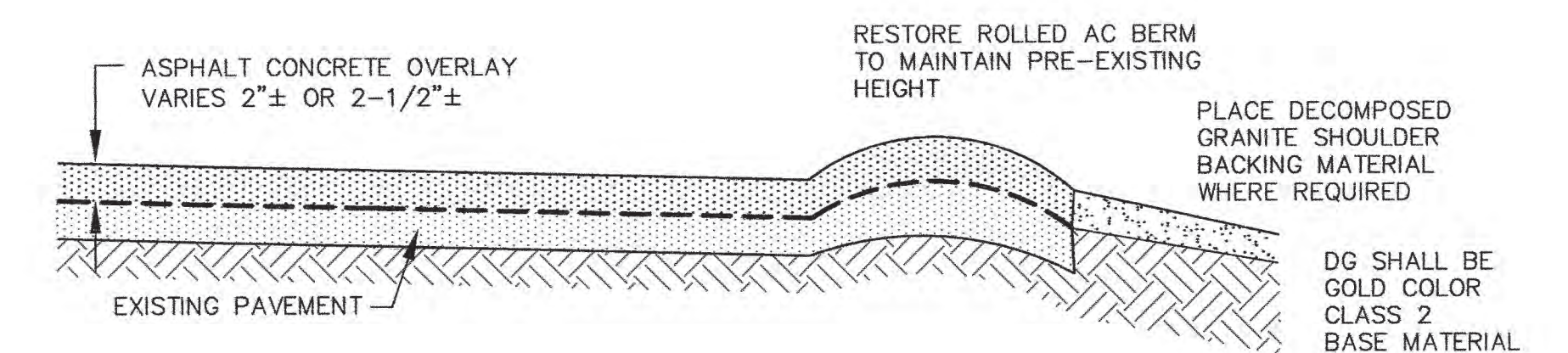
SEE NOTES 2 & 3



SECTION A-A CONFORM DETAIL
NOT TO SCALE



SECTION B-B CONFORM DETAIL
NOT TO SCALE



SECTION C-C ROLLED BERM DETAIL
NOT TO SCALE



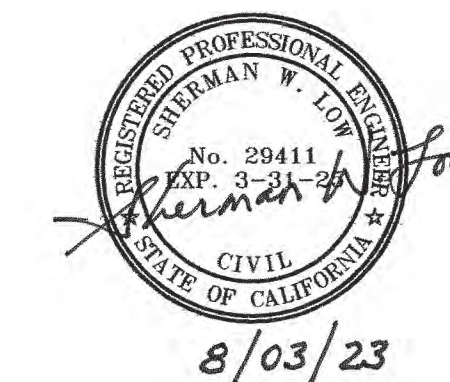
Know what's below.
Call before you dig.

NEILL ENGINEERS CORP.

CARMEL, CALIFORNIA

**STREET PAVING DETAILS
FY 2021/2022
PAVEMENT
REHABILITATION PROGRAM**

CARMEL-BY-THE-SEA, CALIFORNIA

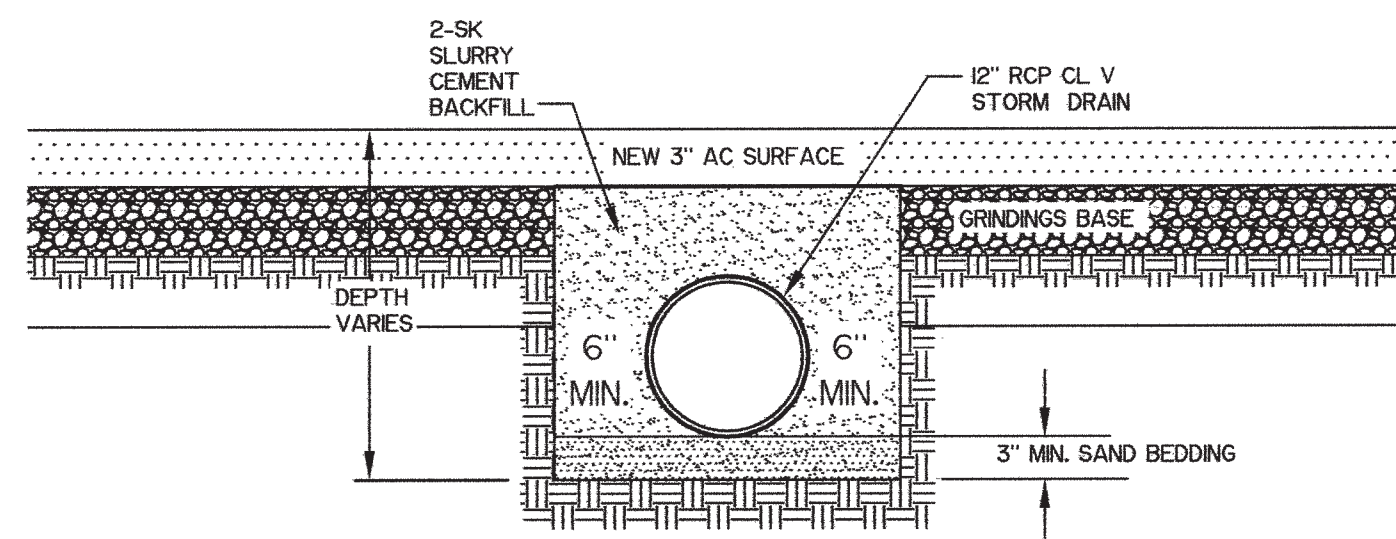


EXCEPTION:
JUNIPERO AVE. AND SAN CARLOS ST.
SHALL REQUIRE 6" THICK AC

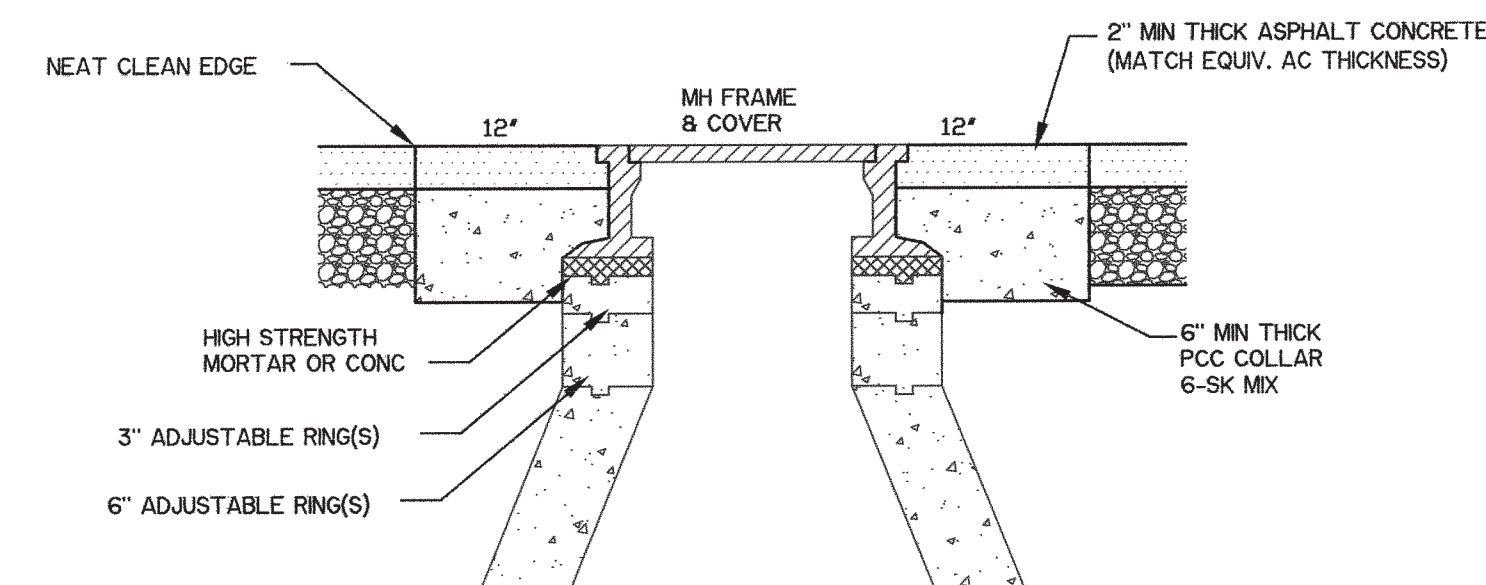
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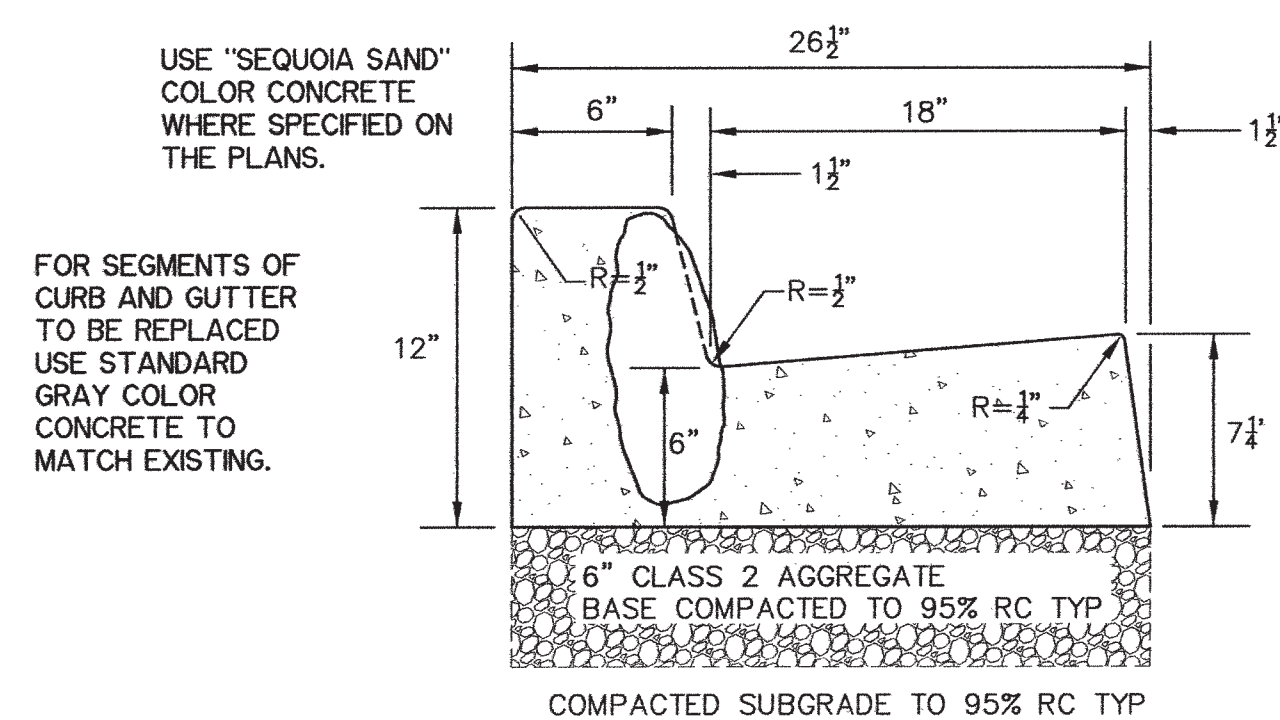
SCALE: NONE



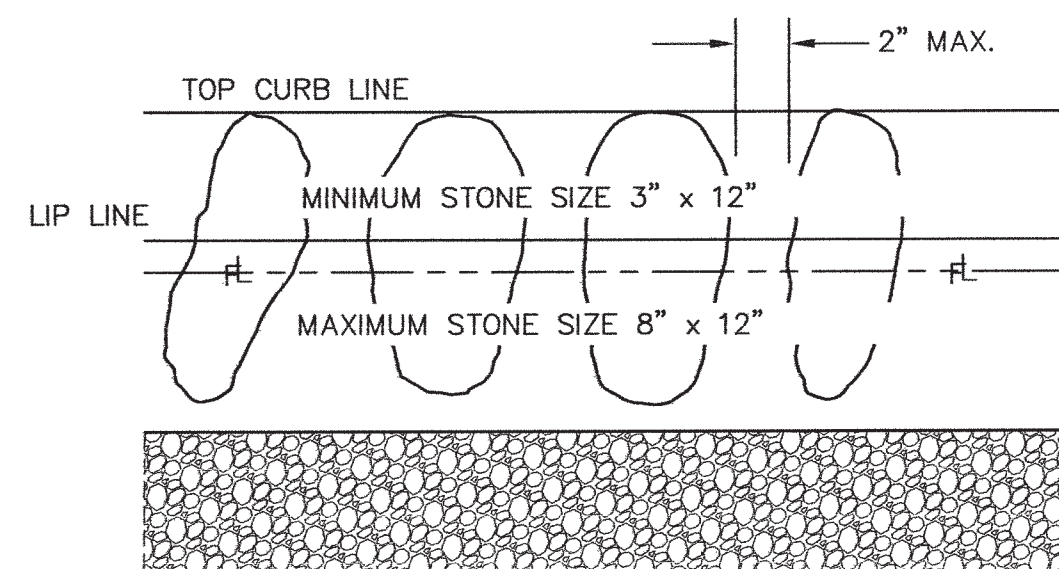
**STORM DRAIN TRENCH
SAN ANTONIO STREET ONLY**
NO SCALE



MANHOLE COLLAR DETAIL
NOT TO SCALE



SIDE VIEW



FRONT VIEW

NOTES:

1. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH SECTION 73 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS
2. CONCRETE TO BE CLASS B (5 SACK).
3. PLACE 6" MIN CLASS 2 AGGREGATE BASE UNDER CURB AND GUTTER. COMPACT TO 95% RC

COBBLESTONE CURB AND GUTTER DETAIL

NOT TO SCALE

STANDARD CURB AND GUTTER DETAIL TO MATCH COBBLESTONE CURB AND GUTTER EXCEPT THAT STONES SHALL BE OMITTED.

NEILL ENGINEERS CORP.  CARMEL, CALIFORNIA

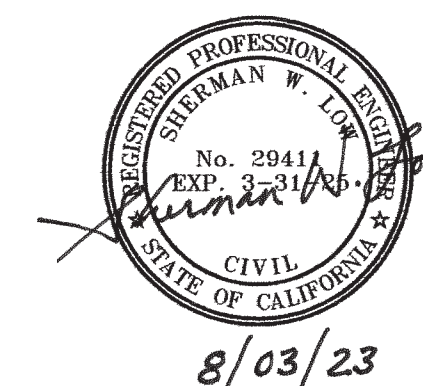
**STREET PAVING DETAILS
FY 2021/2022
PAVEMENT
REHABILITATION PROGRAM**

CARMEL-BY-THE-SEA, CALIFORNIA

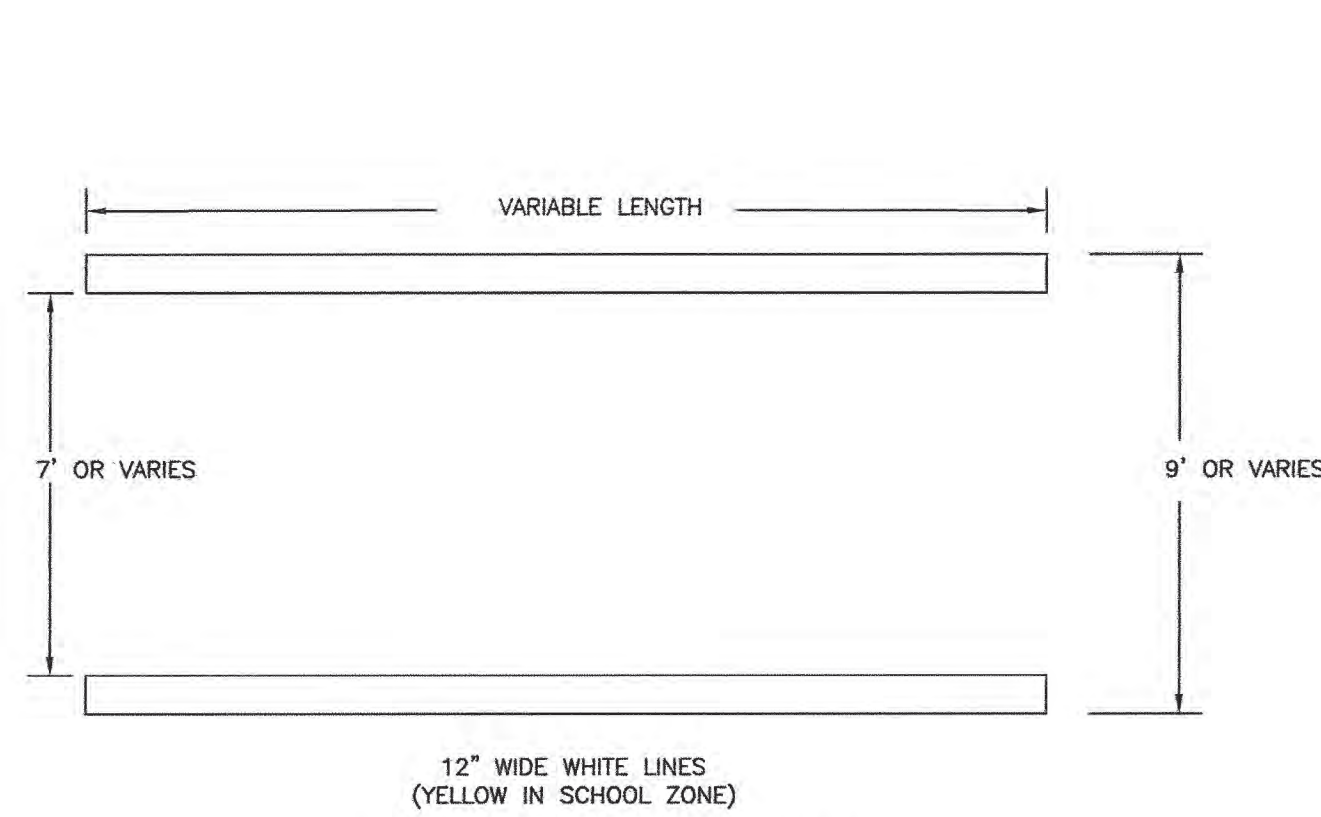
W.O. 8443A

APRIL 2023

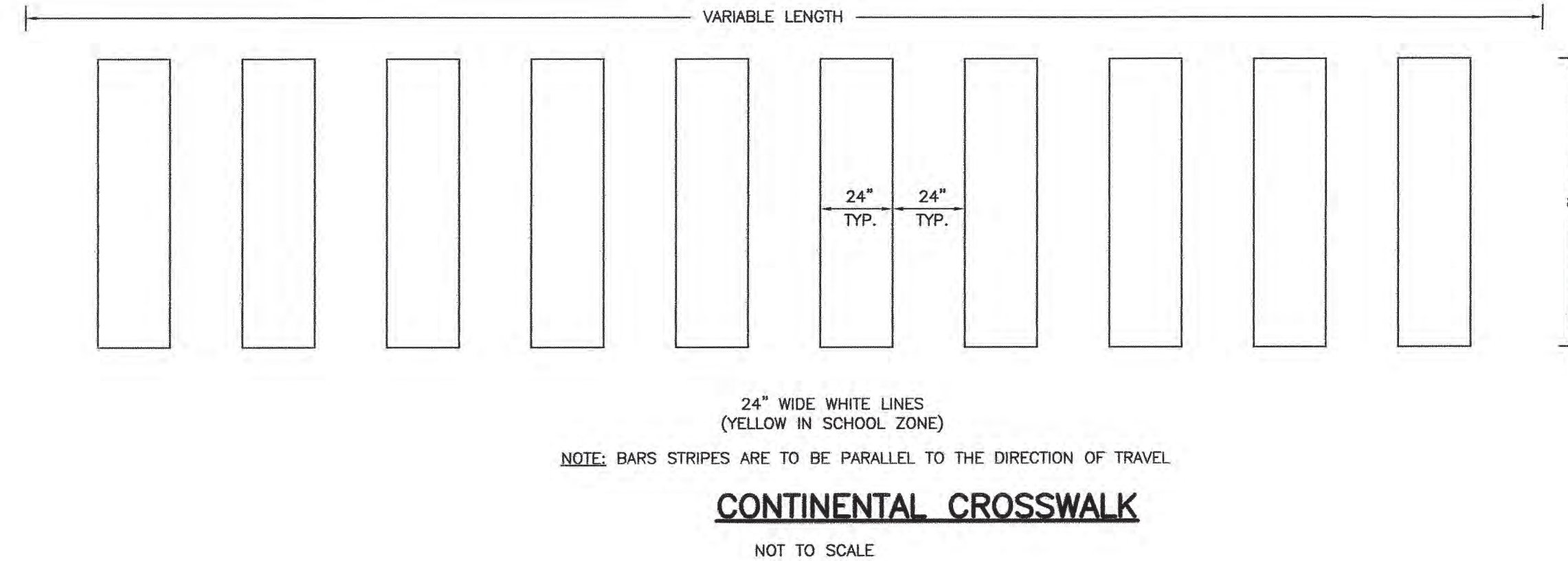
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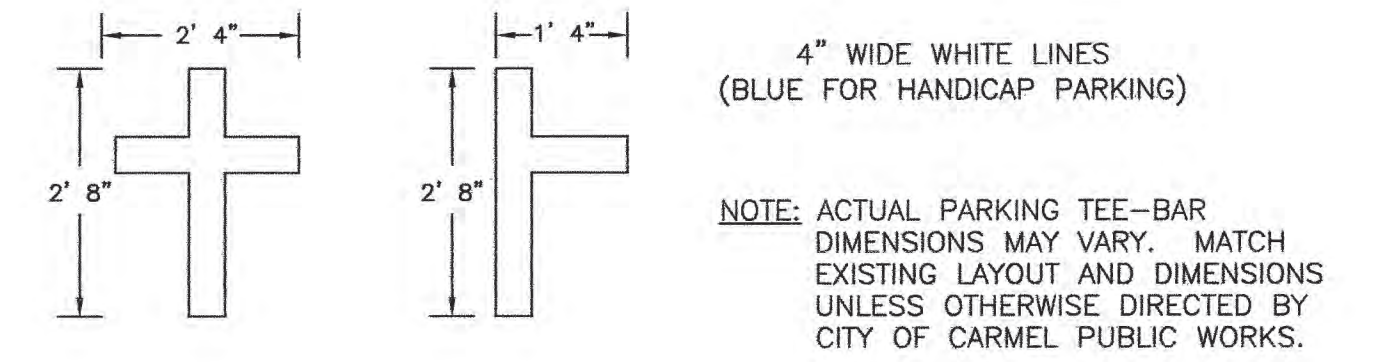
Know what's below.
Call before you dig.



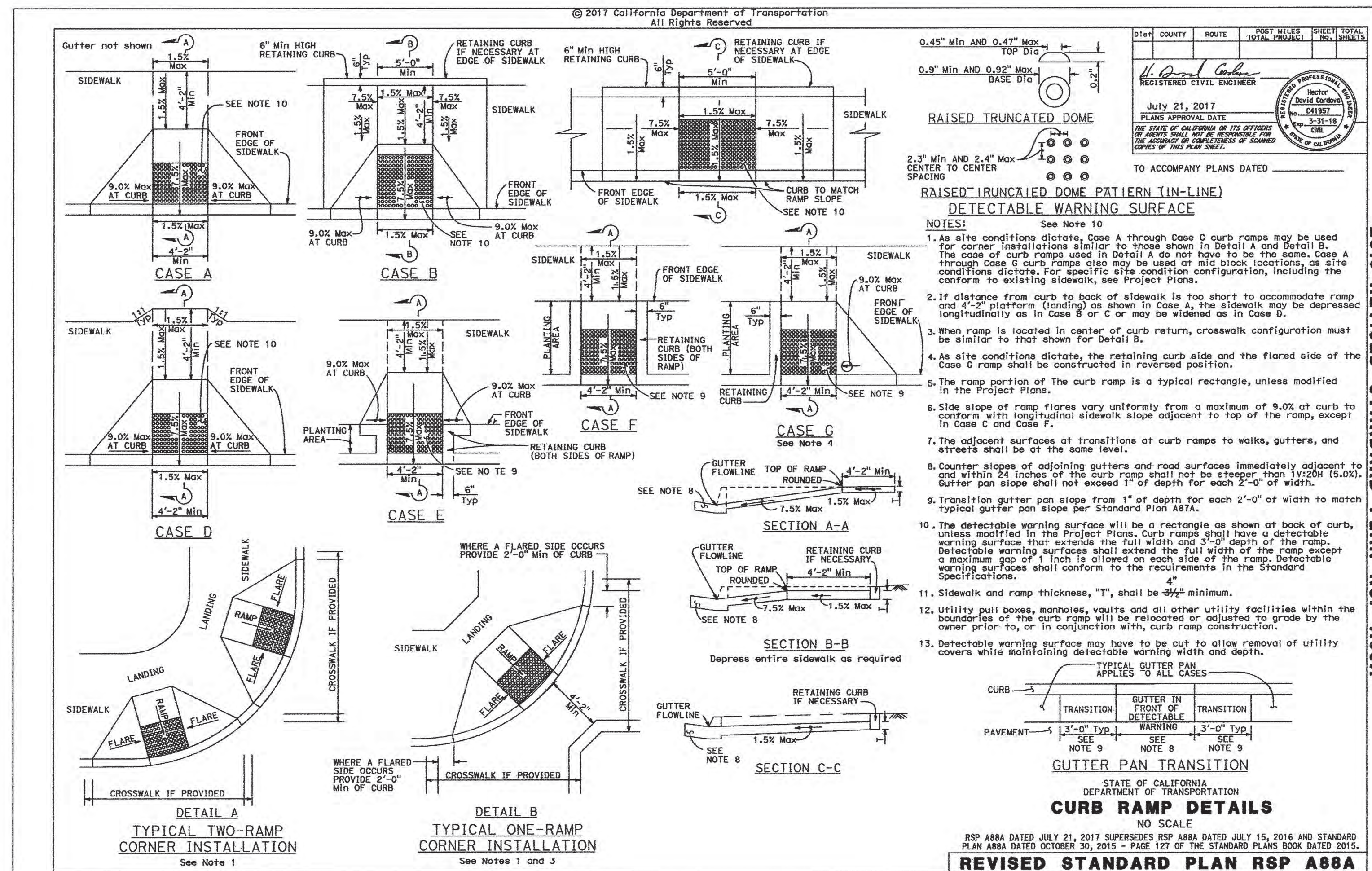
BASIC CROSSWALK
NOT TO SCALE



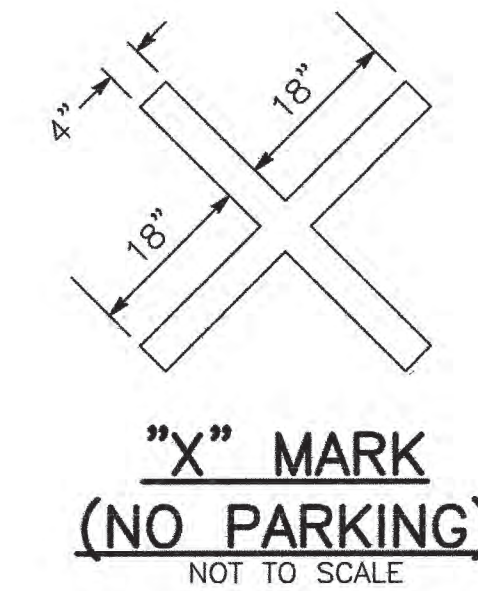
CONTINENTAL CROSSWALK
NOT TO SCALE



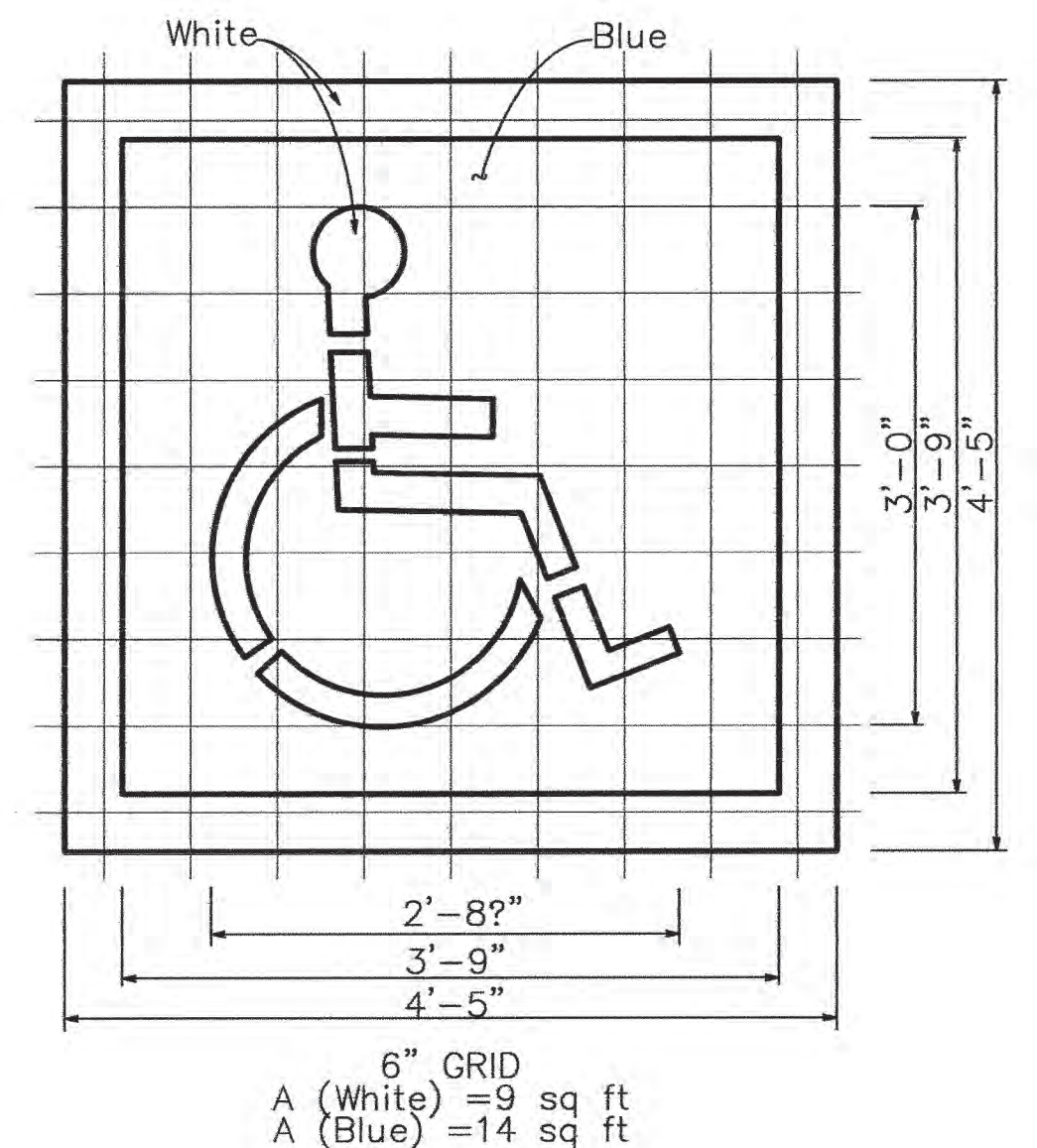
PARKING TEE-BARS
NOT TO SCALE



2015 REVISED STANDARD PLAN RSP A88A



**"X" MARK
(NO PARKING)**
NOT TO SCALE



**INTERNATIONAL SYMBOL
OF ACCESSIBILITY MARKING**
NOT TO SCALE

NEILL ENGINEERS CORP.

CARMEL, CALIFORNIA

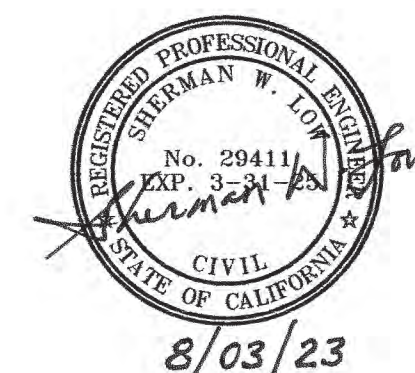
STRIPING AND MARKING DETAILS FY 2021/2022 PAVEMENT REHABILITATION PROGRAM

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE



COLOR CONCRETE SHALL BE USED FOR CURB RAMPS, "SEQUOIA SAND" COLOR.

USE PRECAST TRUNCATED DOME PAVERS MANUFACTURED BY "STEPSTONE, INC.", CHARCOAL LIGHT
SANDBLAST COLOR 1811, AS DETECTABLE WARNING SURFACE. INSTALLATION OF TRUNCATED DOME PAVERS
REQUIRES A SEPARATE OPERATION.
FOR LOCATIONS WHERE CURB RAMP CANNOT MEET STANDARD PLAN REQUIREMENTS, CURB RAMP SHALL
BE CONSTRUCTED TO "BEST FIT" EXISTING SITE CONDITIONS.

REVISED STANDARD PLAN RSP A88A

NO SCALE

CURB RAMP DETAILS

GUTTER PAN TRANSITION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TYPICAL GUTTER PAN
APPLIES TO ALL CASES

SEE NOTE 9

SEE NOTE 8

SEE NOTE 7

SEE NOTE 6

SEE NOTE 5

SEE NOTE 4

SEE NOTE 3

SEE NOTE 2

SEE NOTE 1

SEE NOTE 10

SEE NOTE 9

SEE NOTE 8

SEE NOTE 7

SEE NOTE 6

SEE NOTE 5

SEE NOTE 4

SEE NOTE 3

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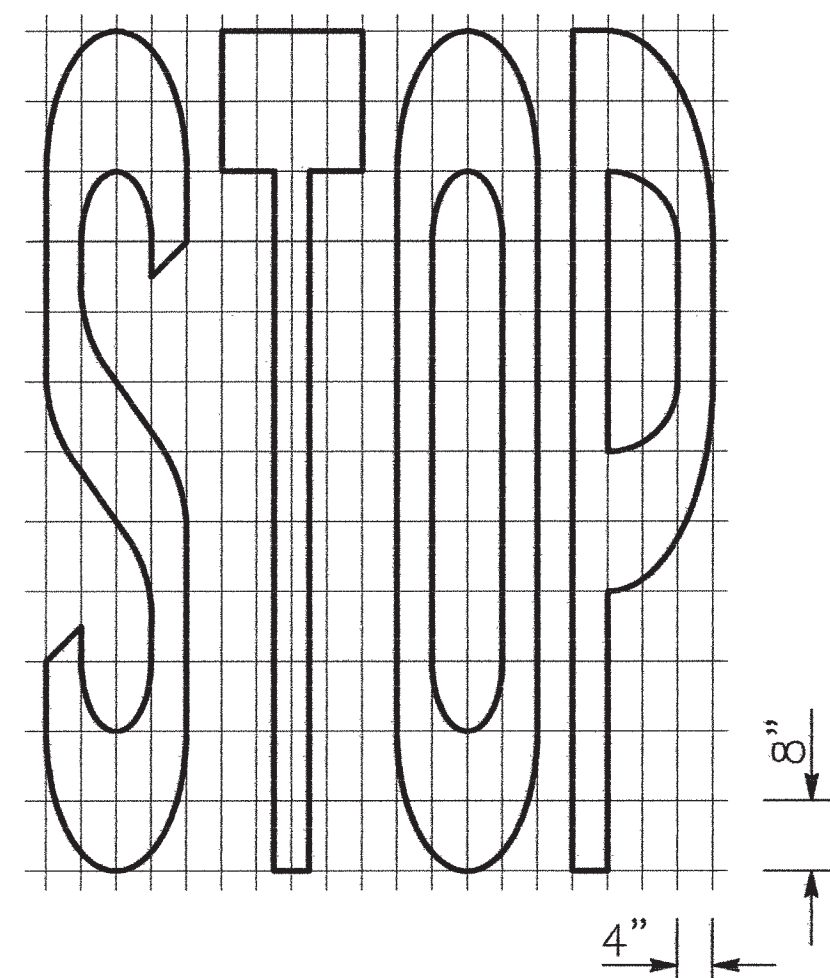
SEE NOTE 6

SEE NOTE 5

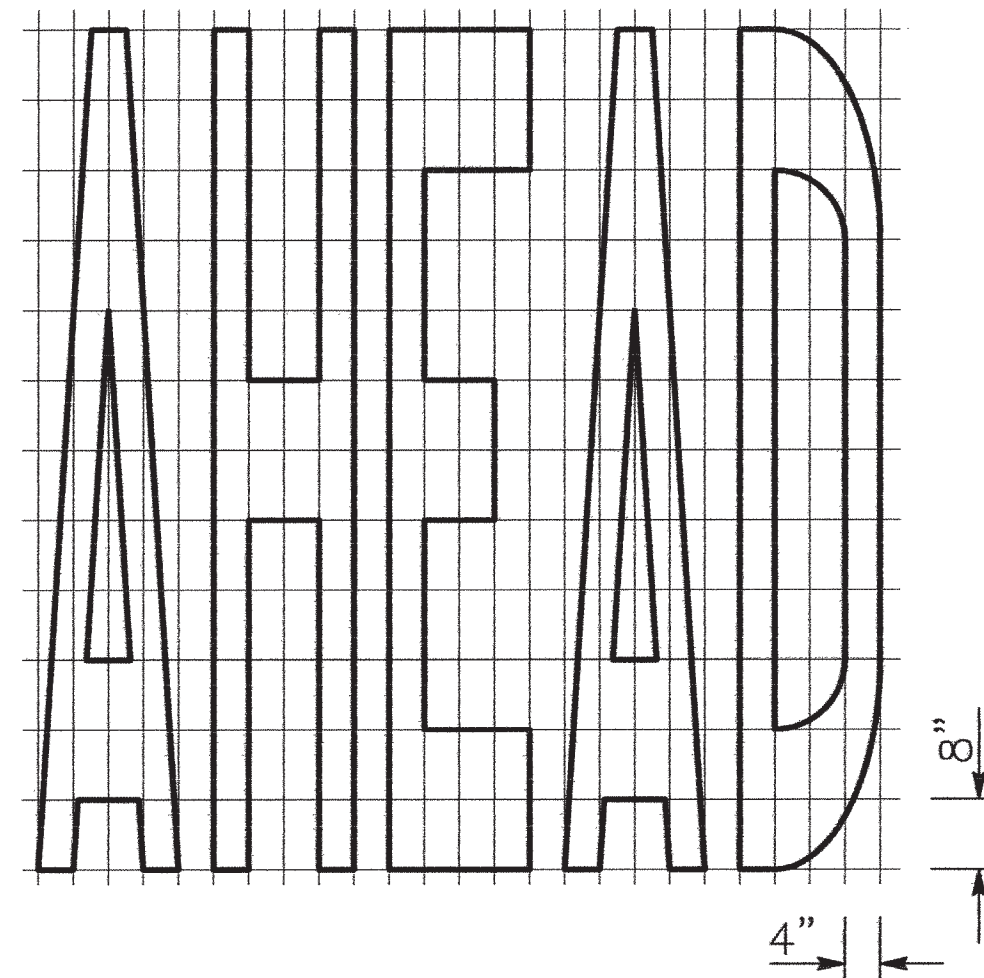
SEE NOTE 4

SEE NOTE 3

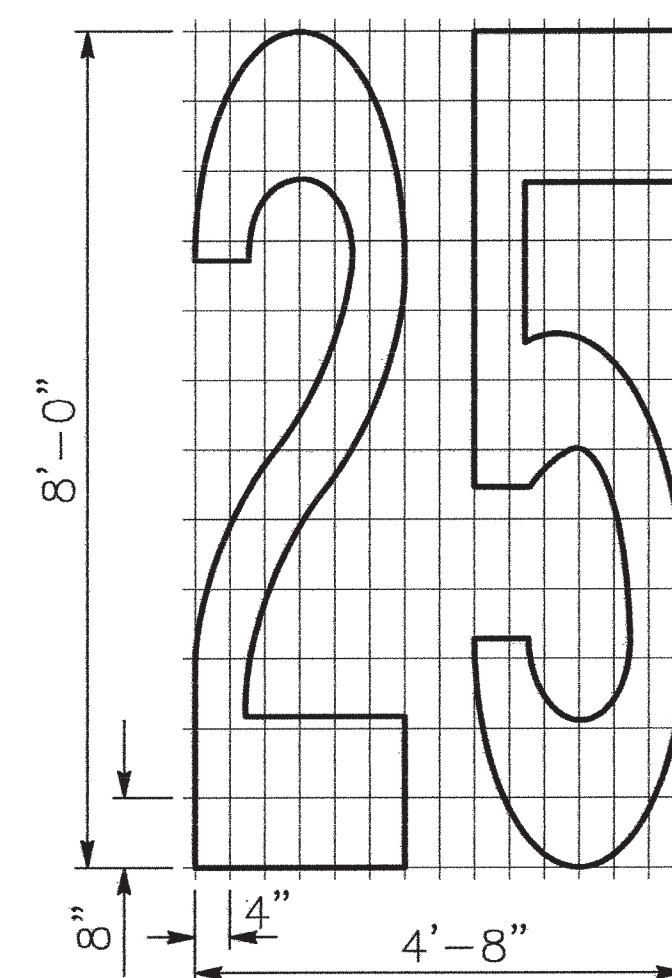
SEE NOTE 2</



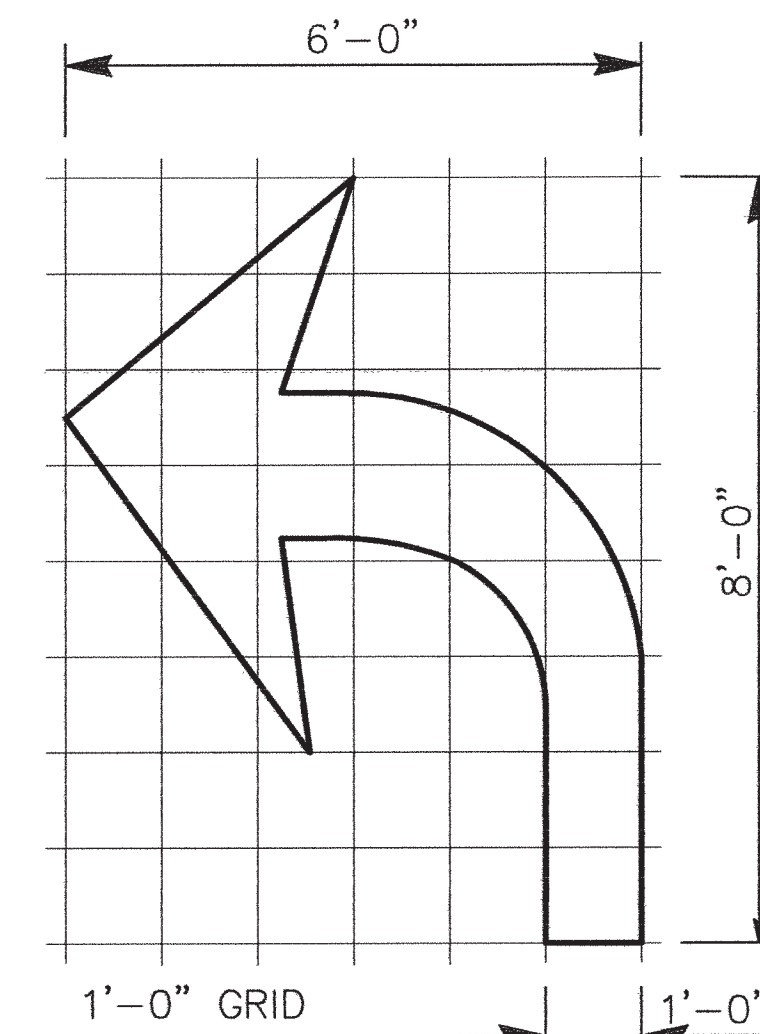
A=22 sq ft



A=31 sq ft

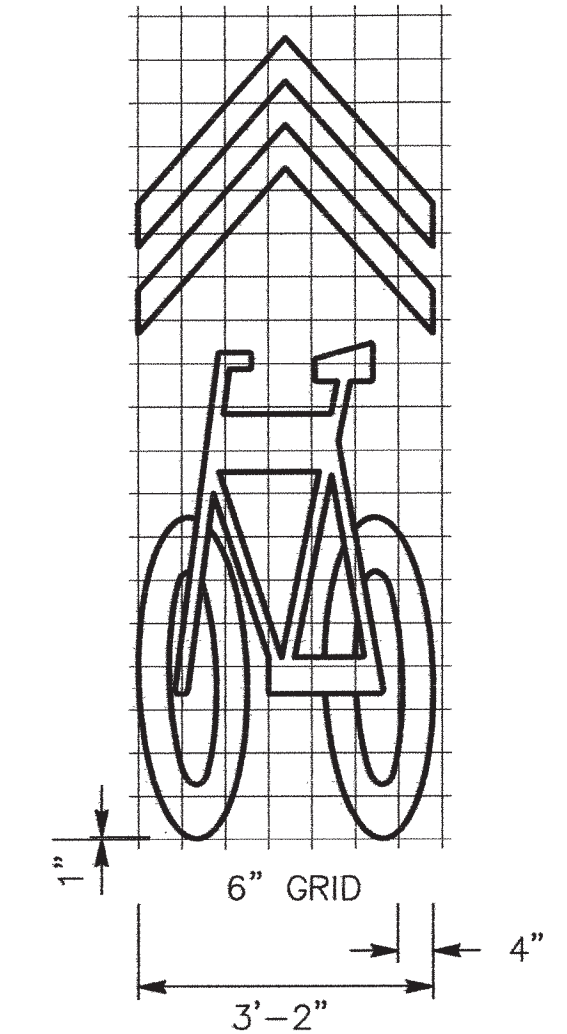


A=17.5 sq ft



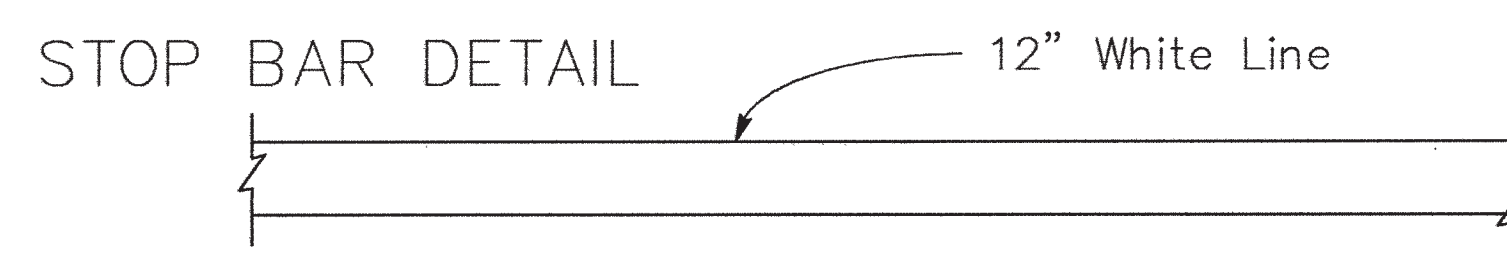
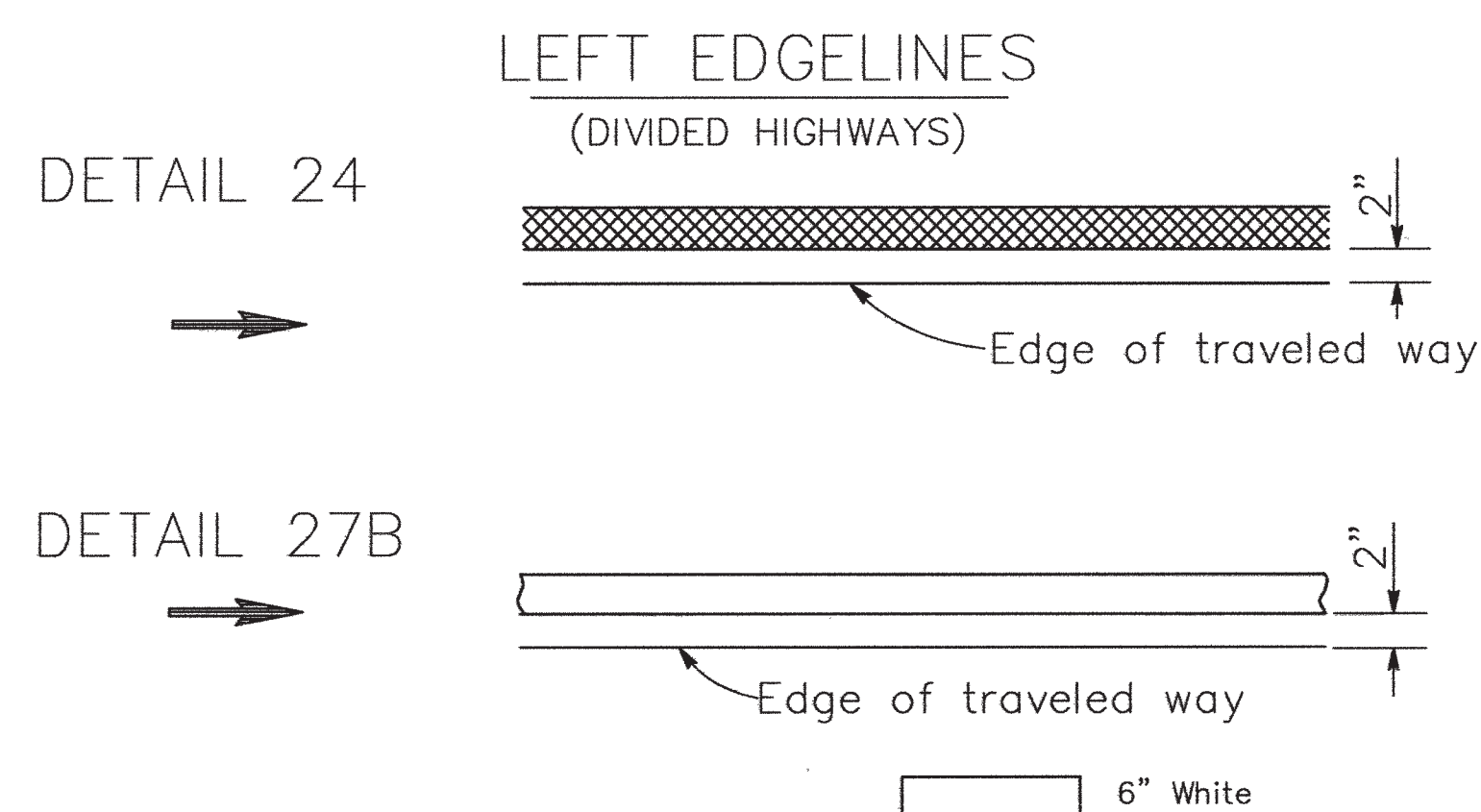
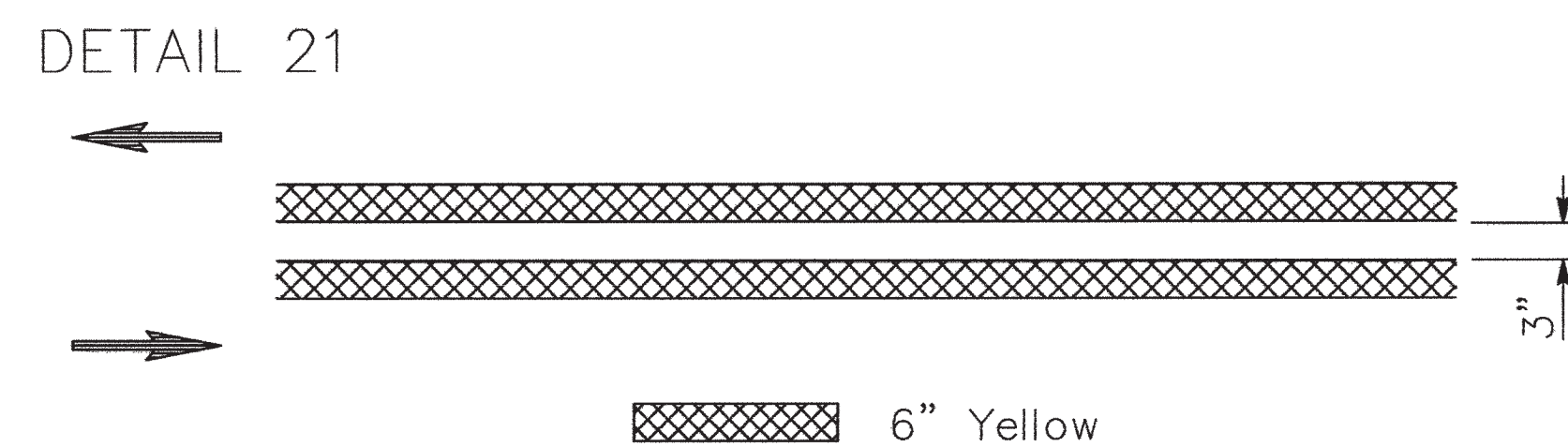
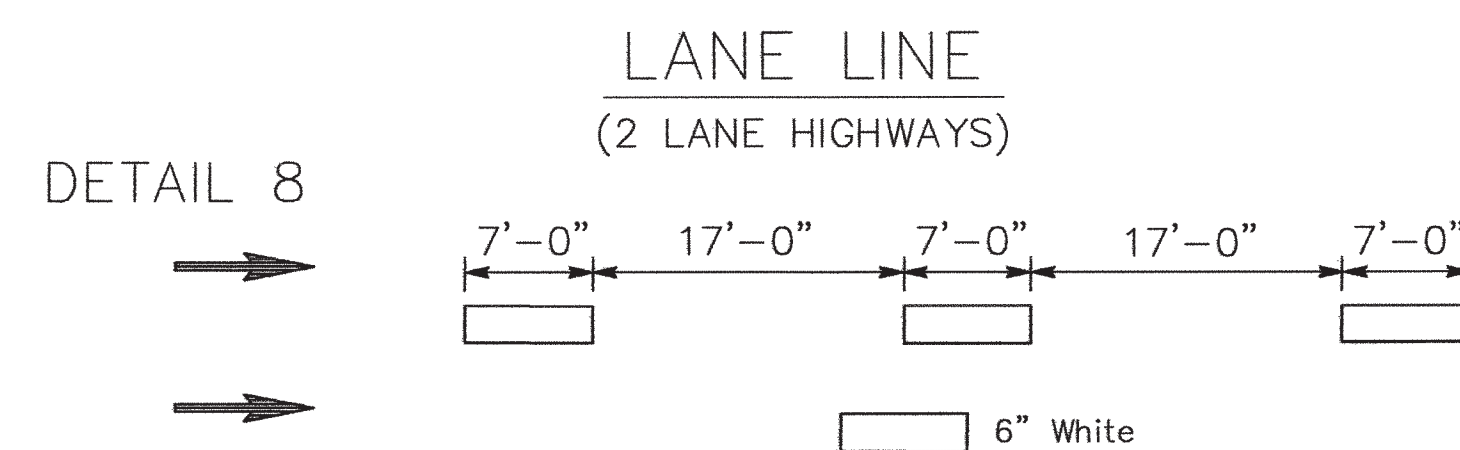
A=15 sq ft

TYPE IV (L) ARROW
(FOR TYPE II (R) ARROW,
USE MIRROR IMAGE)

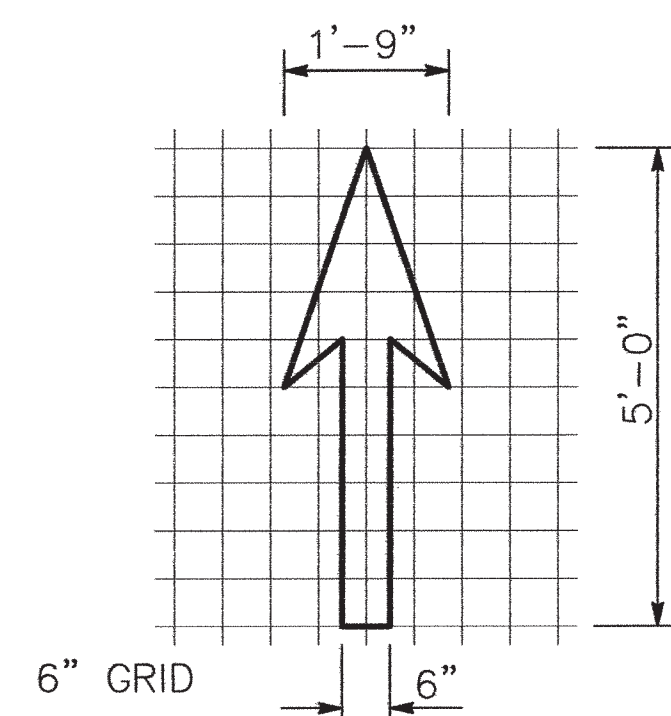


A=11.5 sq ft

SHARED ROADWAY
BICYCLE MARKING
NOT TO SCALE

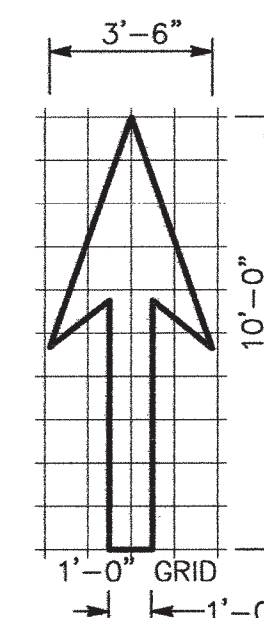


NOTE: REFER TO CALTRANS DETAILS FOR STRIPING AND PAVEMENT MARKINGS. ALL NEW STRIPING & MARKINGS SHALL CONFORM TO CALTRANS STANDARD PLANS 2018



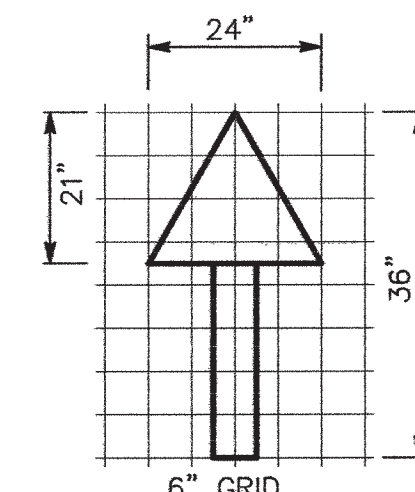
A=7 sq ft

BIKE LANE ARROW



A=14 sq ft

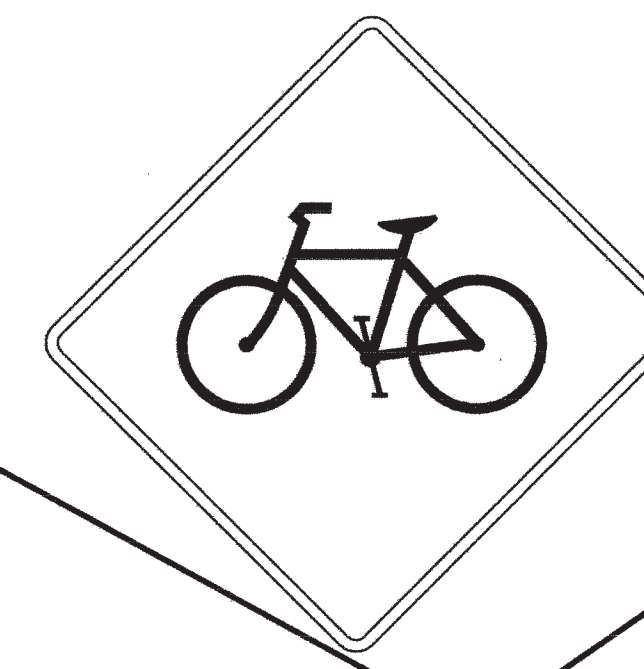
TYPE I 10'-0" ARROW



REDUCED SIZE
TYPE I ARROW



D11-1



W11-1

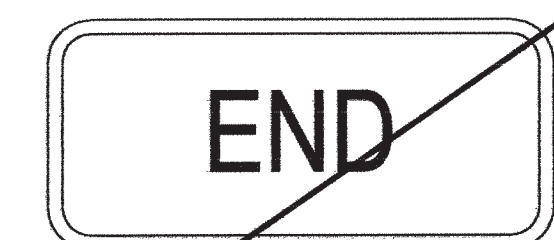


R4-11



W16-1P

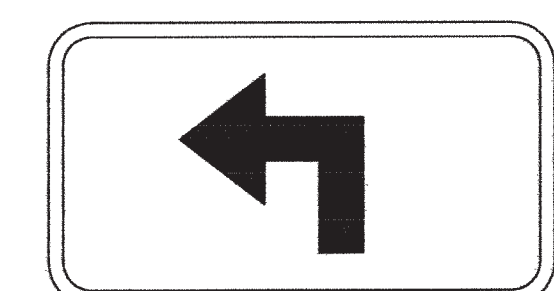
N . I . C .



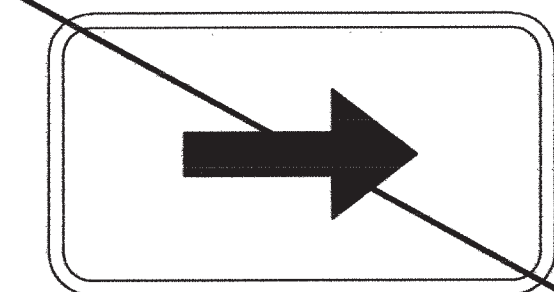
M4-6



M4-14

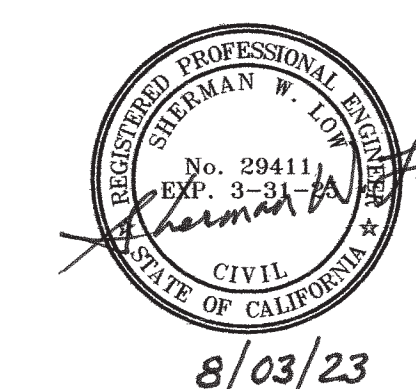


M5-1



M7-1

SIGN PANELS SHALL BE MOUNTED
ON A 4" X 4" PRESSURE-TREATED
WOOD POST



8/03/23

NEILL ENGINEERS CORP.



CARMEL, CALIFORNIA

STRIPING AND MARKING DETAILS FY 2021/2022 PAVEMENT REHABILITATION PROGRAM

CARMEL-BY-THE-SEA, CALIFORNIA

W.O. 8443A

APRIL 2023

SCALE: NONE