

CITY OF PACIFICA

2024/25 CONCRETE IMPROVEMENTS PROJECT

SAN MATEO COUNTY, CALIFORNIA

NCE
 1003 W. Cutting Blvd., Suite 110
 Pt. Richmond, CA 94804
 (510) 215-3620 * Fax (510) 215-2898



2024/25 CONCRETE IMPROVEMENTS PROJECT

OWNER

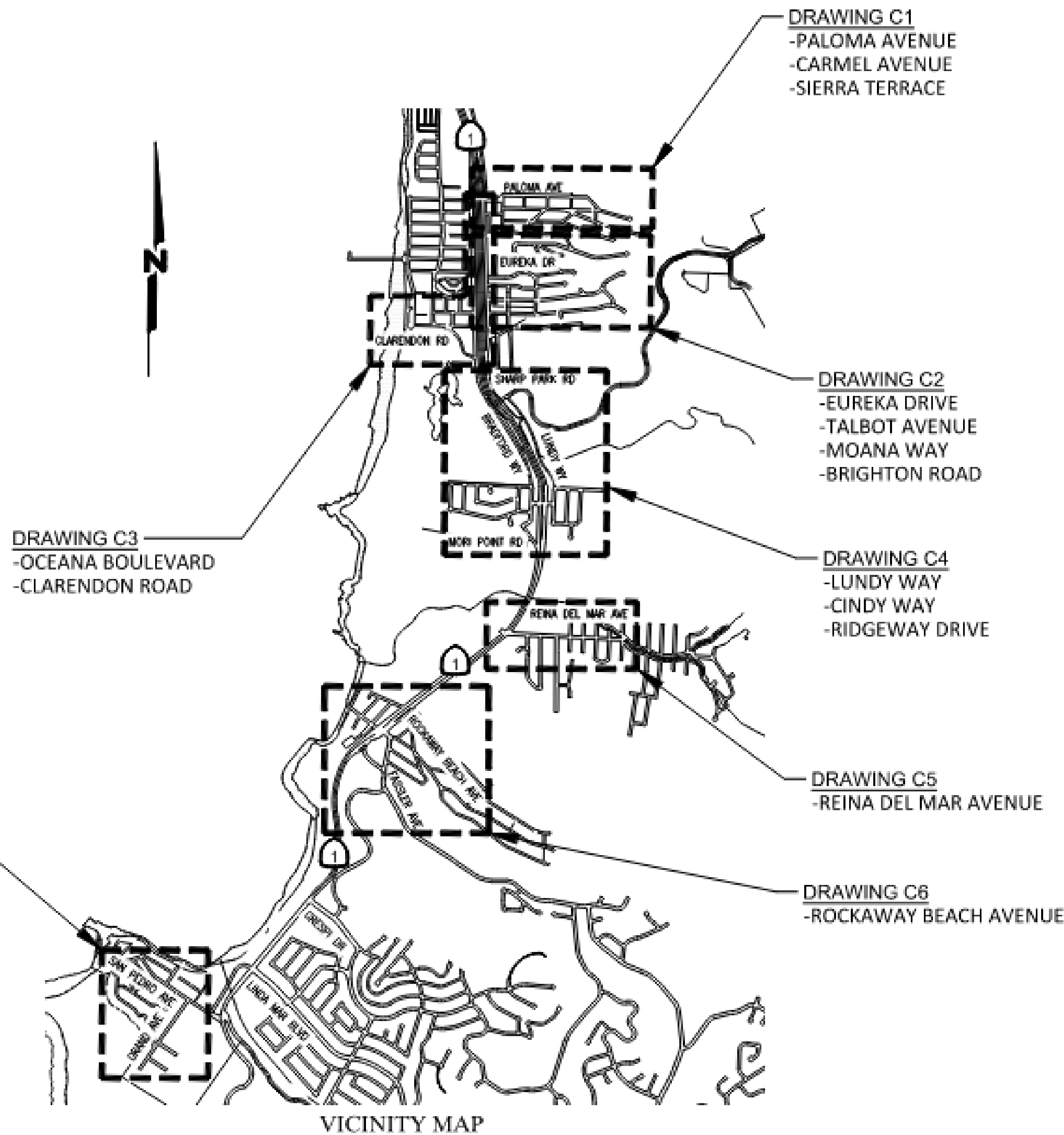
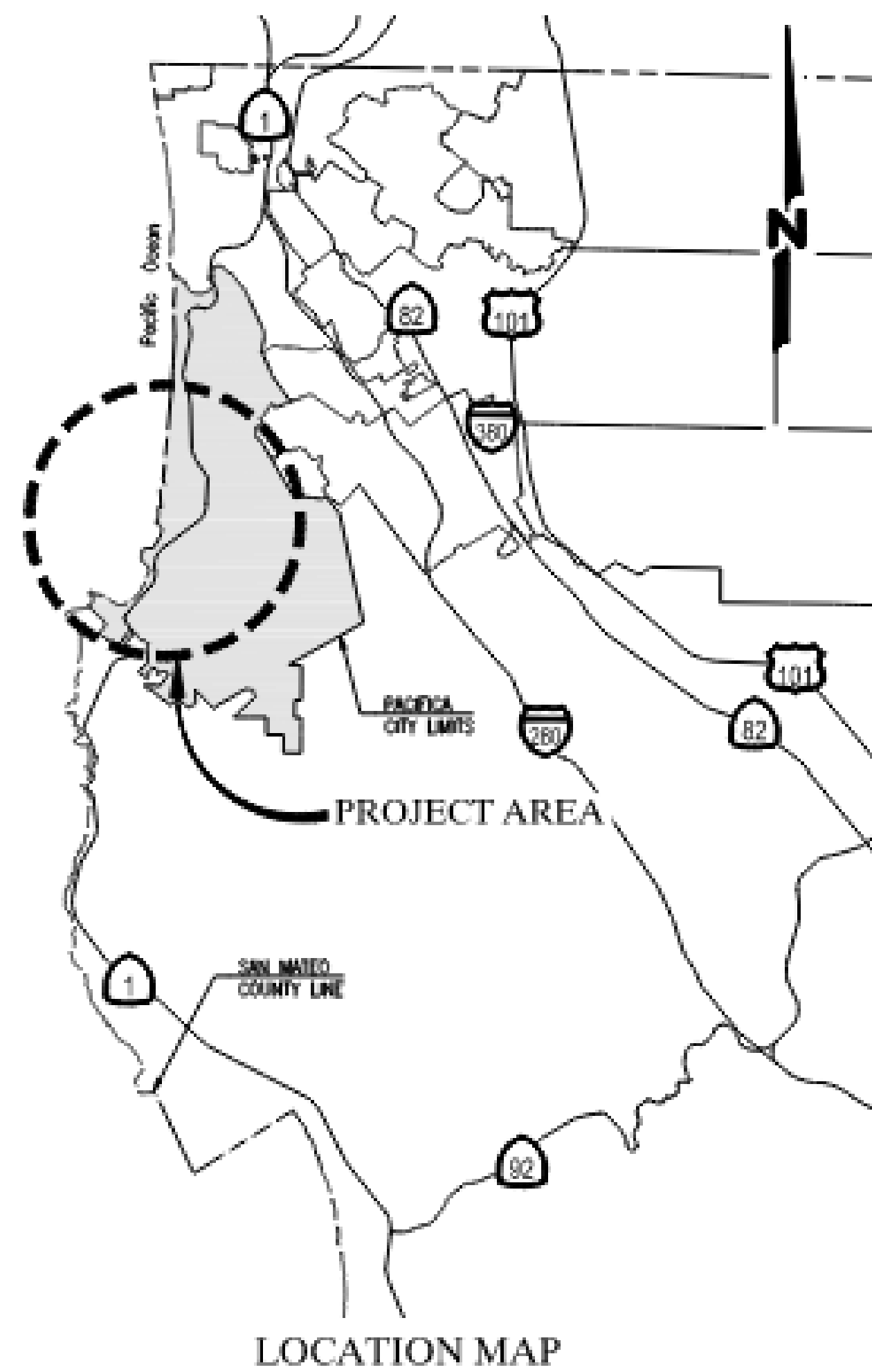


151 MILAGRA DRIVE
 PACIFICA, CA 94044

NO.	DATE	DESCRIPTION
PROJECT NO:	1004.20.55	
DESIGNED BY:	MG	
DRAWN BY:	AC	
CHECKED BY:	FH	DATE 01/28/2024
DATE:	02/13/2024	

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SHEET TITLE
TITLE SHEET
DRAWING
G1
SHEET 1 OF 11



SHEET INDEX

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DRAWING C1
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 -SIERRA TERRACE

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 -TALBOT AVENUE
 -MOANA WAY
 -BRIGHTON ROAD

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 -CINDY WAY
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DRAWING C5
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DRAWING C6
 -ROCKAWAY BEACH AVENUE

DRAWING C3
 -OCEANA BOULEVARD
 -CLARENDON ROAD

DRAWING C6
 -GRAND AVENUE

ENGINEER
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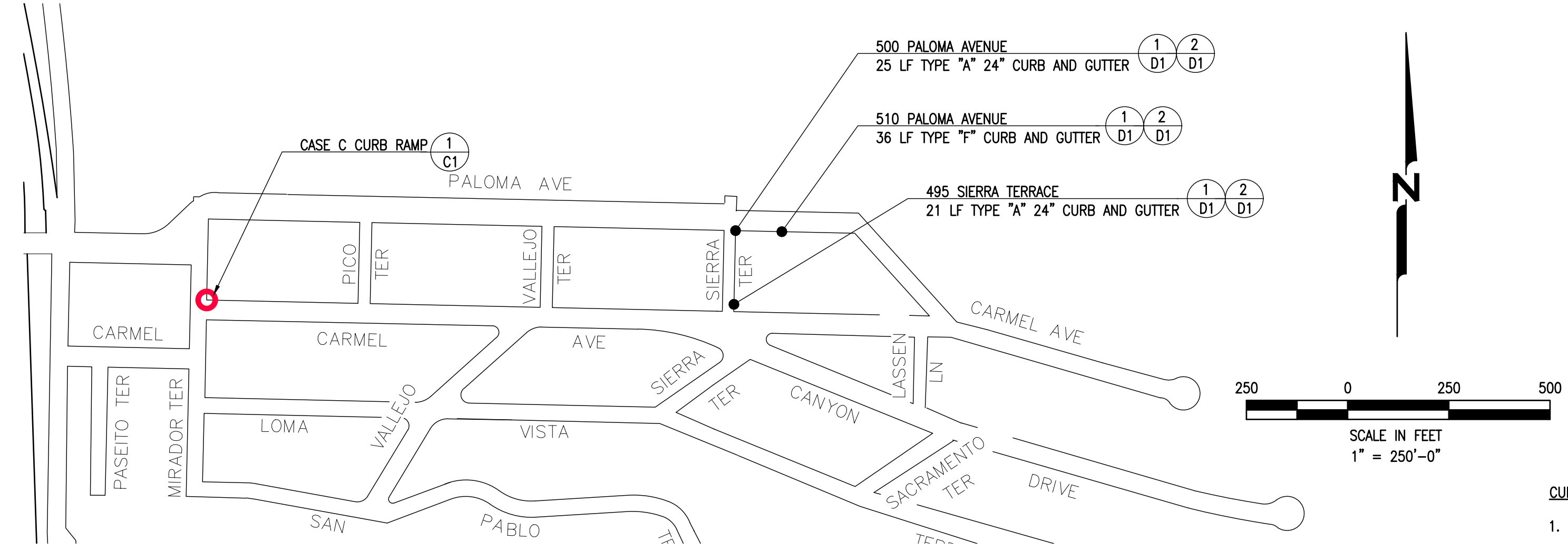
OWNER
 CITY OF PACIFICA
 151 MILAGRA DRIVE
 PACIFICA, CA 94044
 TEL. (650) 738-3767 | FAX. (650) 738-3003

IN ACCORDANCE WITH SECTION 7-8.100(B) OF CHAPTER 8 OF TITLE 7 OF THE PACIFICA MUNICIPAL CODE, AS CITY ENGINEER FOR THE CITY OF PACIFICA, I DO HEREBY EXERCISE THE DISCRETION DELEGATED TO ME AND APPROVE THE PLAN OR DESIGN OF A CONSTRUCTION OF, OR AN IMPROVEMENT TO, PUBLIC PROPERTY TO WHICH THIS STATEMENT AND MY SIGNATURE IS AFFIXED. EXECUTED THIS 14TH DAY OF FEBRUARY, 2024.

Roland Yip
 ROLAND YIP, PE, CITY ENGINEER

FINAL PLANS
 ISSUED FOR
 BIDDING
 DATE 02/13/2024

811
 Know what's below.
 Call before you dig.



CONSTRUCTION NOTES:

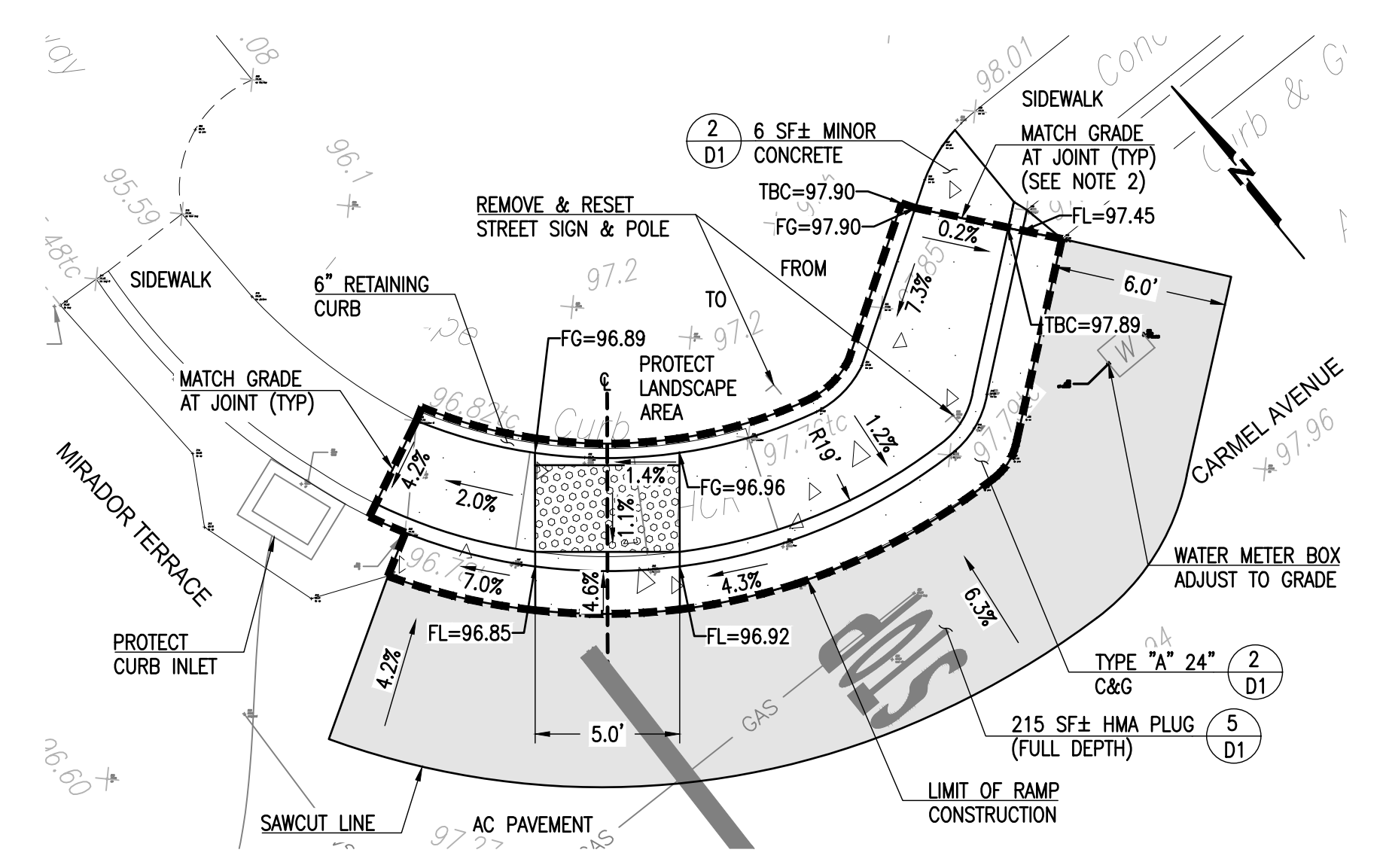
- CUSTOM CURB RAMPS SHOWN ON THESE PLANS ARE NON-COMPLIANT CURB RAMPS AND QUALIFY FOR THE AMERICANS WITH DISABILITIES ACT DESIGN HARDSHIP AND EXCEPTION. EXAMPLES OF DESIGN HARDSHIPS FOR THE CUSTOM CURB RAMPS INCLUDE EXISTING STREET TOPOGRAPHY AND/OR PHYSICAL OBSTRUCTIONS.
- CONTRACTOR SHALL PROTECT EXISTING CONCRETE SPANDREL AT CURB RAMP REPLACEMENT LOCATIONS, UNLESS OTHERWISE NOTED TO REPLACE.

LEGEND

- CALTRANS STANDARD CURB RAMP
- CUSTOM CURB RAMP
- CONCRETE REPAIR LOCATION

CURB RAMP NOTES:

- ALL DIMENSIONS SHOWN ARE APPROXIMATE AND INTENDED TO SUPPORT THE BIDDING PROCESS. FINAL DIMENSIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER DURING CONSTRUCTION. CONTRACTOR SHALL CONSTRUCT CURB RAMPS IN ACCORDANCE WITH LATEST CITY OF PACIFICA AND CALTRANS STANDARD PLANS.
- REMOVAL AND REPLACEMENT OF SIDEWALK PANELS AND SECTIONS OF CURB AND GUTTER ARE SHOWN ON PLAN FOR PCC CURB RAMP TO MATCH GRADE AND TO TRANSITION FROM NEW RAMP CROSS SLOPE TO THE EXISTING CROSS SLOPE OF THE ADJACENT SIDEWALK; SEE DETAIL 2/D1 FOR CURB, GUTTER, & SIDEWALK STANDARD DETAILS. THE TRANSITION SIDEWALK PANELS AND CURB AND GUTTER SECTIONS WILL BE PAID UNDER BID ITEM "ADDITIONAL MINOR CONCRETE FOR PCC CURB RAMP". TRANSITION SHALL MATCH EXISTING CURB AND GUTTER TYPE.
- RESETTING OF STREET LIGHT BOXES, VALVE BOXES, SIGN POSTS AND SIGNS, AND THE LIKE SHALL BE INCLUDED IN THE WORK FOR CONSTRUCTING THE CURB RAMPS. PROTECTION OF EXISTING FACILITIES SHALL ALSO BE INCLUDED IN THE CURB RAMP WORK.
- CONTRACTOR SHALL FIELD VERIFY UTILITIES AT EACH LOCATION PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL REMOVE AND DISPOSE SOD AND OTHER VEGETATION WHEN CONSTRUCTING RETAINING CURB WITHIN PLANTER OR GRASS AREAS. CONTRACTOR SHALL ADJUST EXISTING LANDSCAPE IRRIGATION AND REPLACE LANDSCAPING TO MATCH EXISTING.
- DETECTABLE WARNING SURFACE TACTILE DOMES SHALL BE 3" IN WIDTH, UNLESS OTHERWISE NOTED.
- CENTERLINE OF RAMP WILL BE MARKED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION.



1
C1 CARMEL AVENUE AND MIRADOR TERRACE (NE CORNER)
CASE C
SCALE: 1"=5'-0"

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2024/25 CONCRETE IMPROVEMENTS PROJECT

CITY OF PACIFICA

151 MILAGRA DRIVE
PACIFICA, CA 94044

NO.	DATE	DESCRIPTION

PROJECT NO: 1004.20.55
DESIGNED BY: MG
DRAWN BY: AC/MG
CHECKED BY: FH DATE 01/28/2024
DATE: 02/13/2024

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SHEET TITLE

VICINITY MAP 1

DRAWING

C1

SHEET 3 OF 11

FINAL PLANS ISSUED FOR BIDDING
DATE: 02/13/2024



File: P:\Active Projects\Pacifico - 1004\2024\20.55 - F124-25 - Pacaman Reurfishing Project\CAD\Sheet\Concrete\C1 - Vicinity Map.dwg | Layout: C1 | Printed Feb 13, 2024 @ 12:28pm | 10.2x24.11 (US, Top)



2024/25 CONCRETE IMPROVEMENTS PROJECT

OWNER



151 MILAGRA DRIVE
 PACIFICA, CA 94044

NO.	DATE	DESCRIPTION
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PROJECT NO:	1004.20.55
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SHEET TITLE

CIVIL DETAILS 1

DRAWING

D1

SHEET 9 OF 11

1. Subgrade shall be compacted to at least 90% of maximum density in the top 6 inches prior to placing base material as specified below.

2. Where unsuitable subgrade material is encountered, the City Engineer may require remedial work to be done, including, but not limited to, removing additional soil and placing an additional layer of crushed rock and/or geotechnical fabric under the base material.

3. Base material under curb, gutter, and sidewalk must be Caltrans Class 2 Aggregate Base, compacted to approximately 95% of maximum density. The compacted thickness of base material must not be less than 6 inches.

4. Existing concrete shall be removed at expansion joints or shall be saw-cut. Saw-cuts in sidewalk or curb shall be at an existing score line in the sidewalk.

5. Concrete thicker than 4 inches must be saw-cut to at least 4 inches deep before chipping out the rest, but if remaining concrete becomes cracked or damaged it shall be replaced as well.

6. No utility boxes, cleanouts, poles, or structures of any kind will be permitted in the sidewalk area without the written approval of the City Engineer.

7. New work shall reasonably match existing texture and color of adjacent existing concrete.

8. Base material shall be moistened immediately prior to placing concrete.

9. Concrete shall be designated as 3,000 psi 28-day compressive strength with Type II or V Portland cement and 3/4 inch maximum crushed rock aggregate. No admixtures shall be used without the written permission of the City Engineer. For in-fill or replacement concrete, where adjacent concrete is darkened with age, one pound of lampblack may be added per C.Y.

10. Concrete shall have a slump of not more than 4 inches.

11. New sidewalk, curb or gutter shall be connected to adjacent existing concrete using 12 inch long by 1/2 inch diameter steel dowels (#4 rebar is acceptable) in slight fitting holes drilled into the existing concrete (approximately 6 inches into adjacent sidewalk, curb and gutter, or 4" into the back of curb).

12. Half inch thick expansion joints shall be placed on both sides of driveway approaches, curb and sidewalk return points, fixed structures (including storm drain inlets), and at approximately 24 feet on center. An expansion joint shall also be placed between the back of sidewalk or driveway approach and any driveway, walkway or foundation poured against it. Weakened plane joints shall be placed at all inside corners (including tree wells and parkway stripes), both sides of utility boxes and wherever shrinkage would concentrate stresses, and otherwise at no more than 12 feet on centers. See standard 110 for more. Expansion joint material shall completely separate the concrete all the way to the forms and down to base material, and it shall be cut to match curved surfaces. Expansion joints within sidewalk, curb and gutter shall have steel dowels joining the concrete on both sides of the joint. These dowels shall be smooth, or one side of the joint shall have the dowels wrapped with sleeves to allow them to move.

13. One quarter inch deep by one quarter inch radius score lines in sidewalks shall be evenly spaced at approximately 4 feet apart or as directed by the City Engineer. In addition, a similar score mark shall be placed 6 inches back from the face of curb where curb and sidewalk are poured monolithically. See standard 110.

14. No concrete shall be placed until the City Engineer has inspected and approved forms, subgrade and base material, and dowels into adjacent existing concrete.

15. All exposed edges shall be rounded with a 1/2 inch radius tool. Sidewalk shall have a medium broom finish cross-wise to the direction of travel. Curbs and gutters shall have a light wood float finish.

16. No voids or rock-pockets shall be present in any exposed surfaces. Any patching done must blend completely with the surrounding surface. If any standing water fails to drain off sidewalk or gutter surfaces, that portion of sidewalk or gutter must be replaced.

17. Curbs, sidewalks and driveway approaches shall be backfilled within 7 days after pouring.

18. Form faces shall not vary from the dimensions shown by more than 1/4 inch.

19. Unless otherwise specified on the plans, concrete shall be cured by means of the impervious membrane.

20. All new sidewalk constructed adjacent to new curbs shall be Type "A" (poured monolithic with curb) unless otherwise approved in writing by the City Engineer. See Standard 101A.

21. Whenever a portion of existing curb or gutter needs to be replaced it shall be replaced as a complete, curb-and-gutter unit monolithic with sidewalk if contiguous.

22. Saw-cut, remove and replace a section of pavement at least sixteen inches wide by the full depth of the pavement alongside any replaced or new section of concrete curb, gutter or valley gutter, including where new ADA access ramps or driveway approach ramps are installed in existing sidewalk.

23. Edges of remaining pavement shall be heavily coated with approved tack-coat material before new asphalt concrete is placed against them. The joint between the old and new pavement shall be sealed with tack-coat and covered with sand.

24. Asphalt concrete pavement adjacent to new concrete shall not be installed for at least 7 days after pouring concrete. Concrete shall be heavily coated with approved tack-coat material before asphalt concrete is placed against it.

CITY OF PACIFICA Dept. of Public Works ENGINEERING DIVISION	STANDARD CURB, GUTTER, SIDEWALK AND DRIVEWAY NOTES				AUG 2014
		REV	DATE	BY:	DWG. NO. 101A

1 CURB, GUTTER, SIDEWALK AND DRIVEWAY NOTES
 D1 NTS

TYPE "A" CURB: 6" 1" Batter, 1/2" Batter, 1/2" dowels, 24" or 30" width.

TYPE "B" CURB: 1" Batter, 6" 1/2" dowels, 18" or 24" width.

TYPE "C" CURB: 6" 1" Batter, 1/2" Batter, 1/2" dowels, 24" or 30" width.

TYPE "D" CURB: 1" Batter, 6" 1/2" dowels, 18" or 24" width.

TYPE "E" CURB: 6" 1" Batter, 1/2" Batter, 1/2" dowels, 24" or 30" width.

TYPE "F" CURB: 6" radius, 12" radius, slope 5% or match street, 2x8 form, 30" width.

TYPE "A" SIDEWALK: 6" Class II AB over compacted soil, poured monolithic with curb.

TYPE "B" SIDEWALK: 6" Class II AB over compacted soil, poured separate from curb.

NOTE: See Drawing No.101A for General Notes. * Curbs shall be 6" above flow line except as otherwise directed. See Drawing No.103 for joint locations.

CITY OF PACIFICA DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	STANDARD CURB, GUTTER & SIDEWALK				AUG 2014
		REV	DATE	BY:	DWG. NO. 101B

2 CURB, GUTTER AND SIDEWALK
 D1 NTS

SECTION A-A: RETAINING CURB AT REAR (if necessary), CURB FACE, DRIVEWAY, EXPANSION JOINT WITH DOWELS, EXPANSION JOINT (NO DOWELS).

MIN 6" CLASS 2 AGGREGATE BASE UNDER SIDEWALKS AND DRIVEWAY APPROACHES.

12" WIDE BAND OF 1/2" DEEP GROOVES SPACED 1/4" ON CENTER.

TYPE	CONCRETE THICKNESS
Residential	6"
Commercial	8" unreinforced or 6" with #4 rebar at 18" on center each way

NOTE:
 1. Portion of asphalt concrete driveway within the right-of-way shall be a minimum 4" of asphalt concrete over minimum 6" of class 2 aggregate base compacted to 95% over competent soil compacted to apx. 90%.
 2. Place 1/2" expansion joints at both sides of the connecting sidewalk and the at the back edge before pouring the driveway.
 3. Place dowels into existing sidewalk, curb, and gutter.
 4. See drawing No. 101A for general notes.

CITY OF PACIFICA PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	LOWERED DRIVEWAY APPROACH				AUG 2014
		REV	DATE	BY:	DWG. NO. 102A

3 LOWERED DRIVEWAY APPROACH
 D1 NTS

TYPE A, C, D, E, F DIKES: Various cross-sections with dimensions and materials.

CASE C-1, C-2, F: Cut Slope details.

TYPE D AND E BACKFILL DETAILS: Cross-sections showing backfill and drainage.

NOTE: 1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with DGFC shoulders, do not extend DGFC under dike. See project plans for modified dike detail.
 2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
 3. Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
 4. Fill and compact with excavated material to top of dike.
 5. Use Type A or Type F dike, where dike is required with guardrail installations. See Standard Plan 4734 for dike positioning details. See Standard Plan 4733 for hinge point offsets with guardrail.

TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
HOT MIX ASPHALT DIKES
 NO SCALE

CITY OF PACIFICA ENGINEERING DIVISION	STANDARD HOT MIX ASPHALT DIKES				AUG 2014
		REV	DATE	BY:	DWG. NO. 101B

4 HOT MIX ASPHALT DIKES
 D1 NTS

SIDEWALK, CURB & GUTTER, HMA PLUG PER PLAN SEE NOTE 1, ASPHALT PAVEMENT SECTION (TYP), CLASS II AB.

NOTE:
 1. SAWCUT, REMOVE AND REPLACE A SECTION OF PAVEMENT PER WIDTH SPECIFIED IN THE CURB RAMP DETAILS BY THE FULL DEPTH OF THE PAVEMENT ALONGSIDE ANY REPLACED OR NEW SECTION OF CONCRETE CURB OR GUTTER WHERE NEW ADA ACCESS RAMPS ARE INSTALLED IN EXISTING SIDEWALK.

5 HOT MIX ASPHALT PLUG (FULL DEPTH)
 D1 NTS

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