

City of Los Alamitos

TRAFFIC COMMISSION AGENDA REPORT

MEETING DATE: July 10, 2024

ITEM NUMBER: 6A

To: Chair Murphy & Members of the Traffic Commission

Presented By: Irving Montenegro Jr., Manager

**Subject: Update on Street Improvements on Various Streets FY 2023-2024
Project (CIP No. 23/24-03)**

SUMMARY

The upcoming City street rehabilitation project entitled, "Street Improvements on Various Streets FY 2023-2024 Project (CIP No. 23/24-03)", will take place citywide on various residential streets. As part of the City's ongoing pavement management plan, streets are maintained by methods such as grind and overlay and slurry seal. The program is a vital resource for the City to enhance road and vehicular safety, ensure longevity of roadways, and provide for ADA access to current standards. This report and presentation will outline and update the Commission on the specific locations of the project and projected timeline for completion.

RECOMMENDATION

Receive and file.

BACKGROUND

The City of Los Alamitos proposes to grind and overlay and slurry seal various residential streets throughout the City as part of the City's ongoing pavement management program. The project will also replace damaged curb & gutter and lifted sidewalk to correct drainage. ADA curb ramps will be modified to current codes as necessary for accessibility. The project will improve the following streets:

- Kyle Street (South of Kinmount Street)
- Kaylor Avenue (Ball Road to Kinmount Street)
- Maple Street (South of Kinmount Street)
- Kinmount Street
- Farnham Avenue
- Catalina Street (Oak Street to Los Alamitos Boulevard)
- Catalina Street (Cherry Street to Kyle Street)
- Noel Street (North of Katella Avenue)
- Glacier Circle
- Vicksburg Circle
- Carlsbad Circle
- Interior Circle
- Ranier Circle

- Apollo Circle
- Saratoga Drive
- Langley Drive
- Essex Drive
- Enterprise Drive
- Midway Drive
- Ticonderoga Drive
- Ranger Drive
- Tarawa Drive
- Bunker Hill Drive
- Green Ave (Saratoga to Ticonderoga)
- Howard Avenue (Lexington to Bennington)

DISCUSSION

The following is an approximate timeline for the completion of the Street Improvements on Various Streets FY 2023-2024 Project (CIP No. 23/24-03):

- 07/24/2024 Bid opening
- 08/19/2024 Award of Contract (City Council Meeting)
- 09/24/2024 Start of construction
- 12/20/2024 End of construction

The City of Los Alamitos will continue to seek out funding opportunities to pave and rehabilitate its roadway systems. The City is currently designing arterial plans to improve various streets such as Katella Avenue, Downtown Pine Street and Cerritos Avenue.

FISCAL IMPACT

Funding for this project is included in the 2023-2024 Measure Y Fund and the 2023-2024 adopted budget for SB-1. Totals are shown below:

Available funding for the projects is provided as follows:

Source	Amount
SB-1	\$660,000.00
Measure Y Fund	\$1,000,000.00
Project Total	\$1,660,000.00

UTILITY CONTACTS:

GENCO REFINING CO. (562) 944-6111
 ORANGE COUNTY SANITATION DIST. (714) 962-2411
 PACIFIC BELL (714) 666-5716
 ROOSMOOR/LOS ALAMITOS SEWER DIST. (562) 431-2223
 SOUTHERN CALIFORNIA EDISON CO. (562) 981-8205
 SOUTHERN CALIFORNIA GAS CO. (714) 634-3133
 GOLDEN STATE WATER COMPANY (562) 907-9200
 TIME-WARNER COMMUNICATION (714) 895-6886
 UNDERGROUND SERVICE ALERT (800) 422-4133
 VERIZON (704) 375-6719



CITY OF LOS ALAMITOS
 DEVELOPMENT SERVICES DEPARTMENT

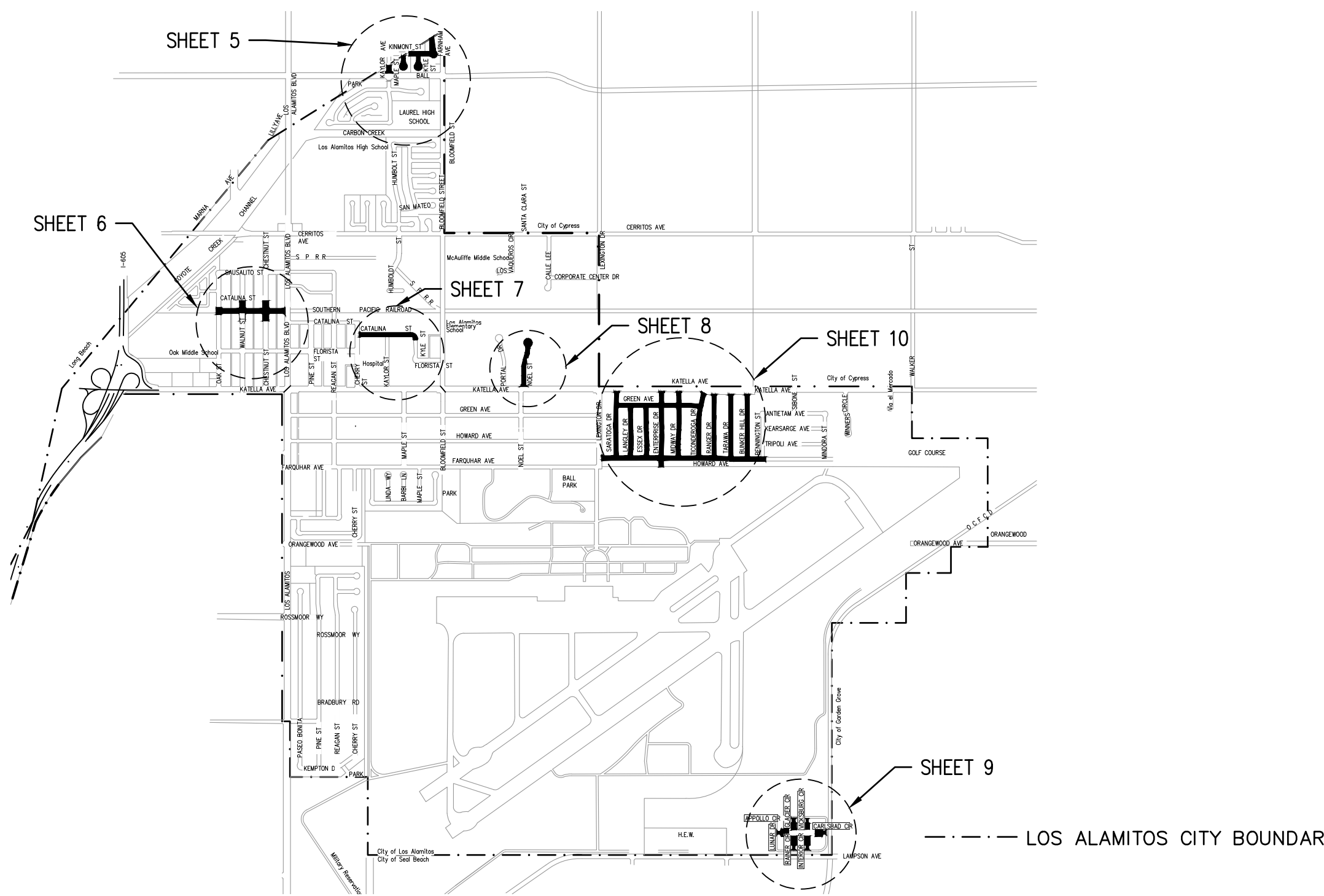
STREET IMPROVEMENT
ON VARIOUS STREETS
 FY 2022-2023

ABBREVIATIONS

AB	AGGREGATE BASE	MSE	MECHANICALLY STABILIZED EARTH
AC	ASPHALT CONCRETE	NIC	NOT IN CONTRACT
ANG	ANGLE	NTS	NOT TO SCALE
AP	ANGLE POINT	NW	NORTHWEST
ARHM	ASPHALT RUBBER HOT MIX	O.C.	ON CENTER, OWNERS CONDUIT
ASPH	ASPHALT	OG	ORIGINAL GROUND
BEG	BEGIN	PB	PULL BOX
BW	BACK OF WALK	PCC	PORTLAND CEMENT CONCRETE/
CAB	CRUSHED AGGREGATE BASE		POINT OF COMPOUND CURVATURE
CB	CATCH BASIN	P/L	PROPERTY LINE
C/L	CENTER LINE	PROP	PROPOSED
C&G	CURB & GUTTER	PVI	POINT OF VERTICAL INFLECTION
CLR	CLEAR	RW	RECLAIMED WATER
CONST	CONSTRUCT	S	SANITARY SEWER
D/W	DRIVEWAY	SCE	SOUTHERN CALIFORNIA EDISON
ESMT	EASEMENT	SE	SOUTHEAST
EP	EDGE OF PAVEMENT	SF	SQUARE FOOT
EL	ELEVATION	SD	STORM DRAIN
EX\EXIST	EXISTING	SMH	SEWER MANHOLE
FF	FINISHED FLOOR	STA	STATION
FO	FIBER OPTIC CABLE	STD	STANDARD
FS	FINISHED SURFACE	SPPWC	STANDARD PLANS FOR
FL	FLOW LINE		PUBLIC WORKS CONSTRUCTION
H	HEIGHT	TBD	TO BE DETERMINED
HMA	HOT MIX ASPHALT	TC	TOP OF CURB
HP	HINGE POINT	TD	TOP OF DITCH
INV	INVERT	TF	TOP OF FOOTING
JPCP	JOINTED PLAIN CONCRETE PAVEMENT	TLP	TOP OF LEVELING PAD
L	LENGTH	TRANS	TRANSITION
LF	LINEAR FOOT	TW	TOP OF WALL
LOL	LAYOUT LINE	TYP	TYPICAL
MAX	MAXIMUM	UGU	UNDERGROUND UTILITIES
MBGR	METAL BEAM GUARD RAILING	VAR	VARIABLE
MIN	MINIMUM	VLT	VAULT
MH	MANHOLE	W	WIDTH, WATER
		WV	WATER VALVE

AGENCIES TO BE NOTIFIED:

- CITY ENGINEER
3191 KATELLA AVENUE
LOS ALAMITOS, CA 90720-5600
(562) 431-3538 EXT. 100
- LOS ALAMITOS POLICE DEPARTMENT
3201 KATELLA AVENUE
LOS ALAMITOS, CA 90720
(562) 431-2255
- ORANGE COUNTY FIRE DEPARTMENT
3642 GREEN STREET
LOS ALAMITOS, CA 90720
(562) 431-6026
- LOS ALAMITOS POST OFFICE
10650 REAGAN STREET
LOS ALAMITOS, CA 90720
(562) 431-6547
- ROSSMOOR/LOS ALAMITOS AREA SEWER DISTRICT
3243 KATELLA AVENUE
LOS ALAMITOS, CA 90720-0542
(562) 431-2223
- LOS ALAMITOS UNIFIED SCHOOL DISTRICT
10293 BLOOMFIELD STREET
LOS ALAMITOS, CA 90720
(562) 799-4700
- OCTA-BUS STOPS
550 SOUTH MAIN STREET
ORANGE, CA 92668
(714) 560-5912
- CITY OF CYPRESS
5275 ORANGE AVENUE
CYPRESS, CA 90630
(714) 229-6700
- CITY OF LONG BEACH
333 WEST OCEAN BOULEVARD
LONG BEACH CA 90802
(562) 570-6383
- ROSSMOOR COMMUNITY SERVICES DISTRICT(RCSD)
3001 BLUME DRIVE, ROSSMOOR, CA 90720
(562) 431-0525



VICINITY MAP

SCALE : NTS

SHEET SCHEDULE	
SHEET NO.	DESCRIPTION
1	TITLE SHEET AND NOTES
2-4	DETAIL SHEETS
5	KINMOUNT STREET, FARNHAM AVENUE, KAYLOR AVENUE, MAPLE STREET, KYLE STREET
6	CATALINA STREET
7	CATALINA STREET
8	NOEL STREET

9	GLACIER CIRCLE, VICKSBURG CIRCLE, CARLSBAD CIRCLE, INTERIOR CIRCLE, RAINIER CIRCLE, APOLLO CIRCLE
10	SLURRY SEAL MAP ON VARIOUS STREETS

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF LOS ALAMITOS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION, ORANGE COUNTY PF&RD STANDARD PLANS, LATEST EDITION, AS SPECIFIED, AND SPPWC STANDARD PLANS, LATEST EDITION, AS SPECIFIED.
- THE CONSTRUCTION AREA SHALL BE PROPERLY POSTED AND LIGHTED IN CONFORMANCE WITH THE STATE OF CALIFORNIA MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND WORK ZONES, LATEST EDITION.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL NOTIFY THE CITY ENGINEER, (562) 431-3538, AT LEAST 24 HOURS PRIOR TO ANY REQUIRED INSPECTIONS.
- CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE ENGINEER.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITY LINES EXCEPT AS SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS PLAN.
- THE CONTRACTOR SHALL MAKE A PHYSICAL INSPECTION OF THE PROJECT SITE AND REPORT ALL VARIATIONS, INCONSISTENCIES, OR CHANGED CONDITIONS TO THE ENGINEER PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSUMPTIONS, REMEDIAL ACTIONS, OR ADAPTATIONS MADE IN THE FIELD WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- REPAIR OR REPLACE ALL DAMAGES OR ALTERATIONS TO EXISTING PUBLIC IMPROVEMENTS TO THE SATISFACTION OF THE CITY ENGINEER AT NO COST TO THE CITY.
- ALL DIMENSIONS SHALL BE VERIFIED BY PLANS OR FIELD INSPECTION. AT NO TIME SHALL ANY DIMENSIONS BE SCALED FROM PLANS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL VARIATIONS IN DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL JOINTS AND JOIN LOCATIONS AND UNDERGROUND UTILITY LOCATIONS SHALL BE FIELD VERIFIED.
- AT ALL TIMES, CURB FACE DIMENSIONS AND GUTTER AND SWALE GRADES SHALL BE MAINTAINED, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AND AFFECTED AGENCIES AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL ASPHALT PAVEMENT IMPROVEMENTS INDICATED TO BE REMOVED SHALL BE SAWCUT AT THE LINE OF REMOVAL.

SIGNING AND STRIPING GENERAL NOTES:

- SIGNING STRIPING, AND LOOP REPLACEMENT AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), LATEST EDITION, THIS PLAN AND THE SPECIAL PROVISIONS.
- ALL STRIPING AND MARKINGS SHALL BE INSTALLED AND REMOVED BY THE CONTRACTOR.
- REMOVAL OF ALL CONFLICTING LINES AND MARKINGS SHALL BE BY GRINDING METHOD AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS.
- ALL EXISTING STRIPING SHALL BE REMOVED PRIOR TO SLURRY SEAL.
- ALL LANE STRIPING AT INTERSECTION APPROACHES WITHOUT CROSSWALK OR LIMIT LINES SHALL END 10 FEET FROM THE EXTENSION OF THE INTERSECTION CURB LINES.
- ALL STRIPING DETAILS AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REPAINT ALL EXISTING CURB MARKING THROUGHOUT PROJECT LIMITS. CURB MARKINGS SHALL BE PAINT, TWO (2) COATS. CONTRACTOR SHALL SCRAPE SPALLED AND CHIPPED CURB MARKING PRIOR TO REPAINTING.
- NEW SIGNS SHALL BE HIGH INTENSITY SHEETING WITH GRAFFITI FILM.
- ALL SIGNS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
- INSTALL TWO-WAY BLUE REFLECTIVE MARKERS AT EVERY FIRE HYDRANT.
- PERFORM PRELIMINARY STRIPING LAYOUT PRIOR TO POSITIONING LOOP DETECTORS AND OBTAIN APPROVAL FOR EXACT LOOP DETECTOR LOCATIONS PRIOR TO FINAL PLACEMENT. INDUCTIVE DETECTOR LOOPS SHALL BE (6") DIAMETER TYPE "E" AND CENTERED IN THE LANE WITH 10' SPACING IN THE DIRECTION OF TRAVEL. LIMIT LINE LOOPS SHALL BE MODIFIED TYPE "E" BICYCLE DETECTOR LOOPS PER CALTRANS STANDARDS. PLACE LIMIT LINE LOOPS 1 FOOT BEHIND CROSSWALK OR LIMIT LINE.

REVISIONS

REFERENCES

NUMBER	DATE	INITIALS	APPV'D



WILLDAN Engineering
 2021 East Katella Ave. Suite 402, Anaheim, California 92805
 714.978.8200 Fax: 714.978.8299

DRAWN BY	AM,MT	DATE	6/18/2024
CHECKED BY	KS	DATE	6/18/2024
DESIGNED BY	AM,MT,YC	DATE	6/18/2024
APPROVED		DATE	6/18/2024
	City Engineer		

CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023




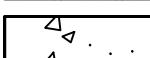

TITLE SHEET

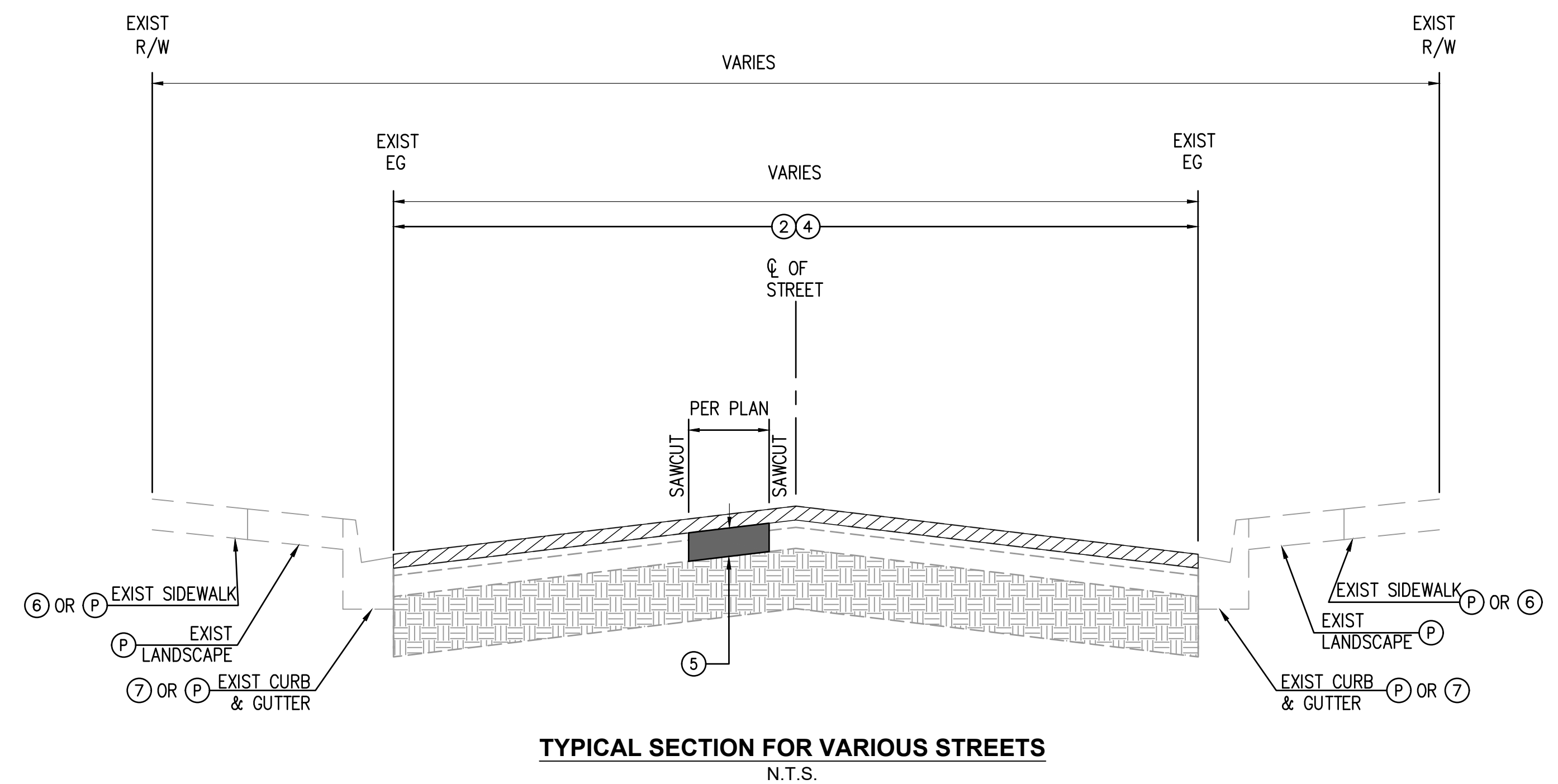
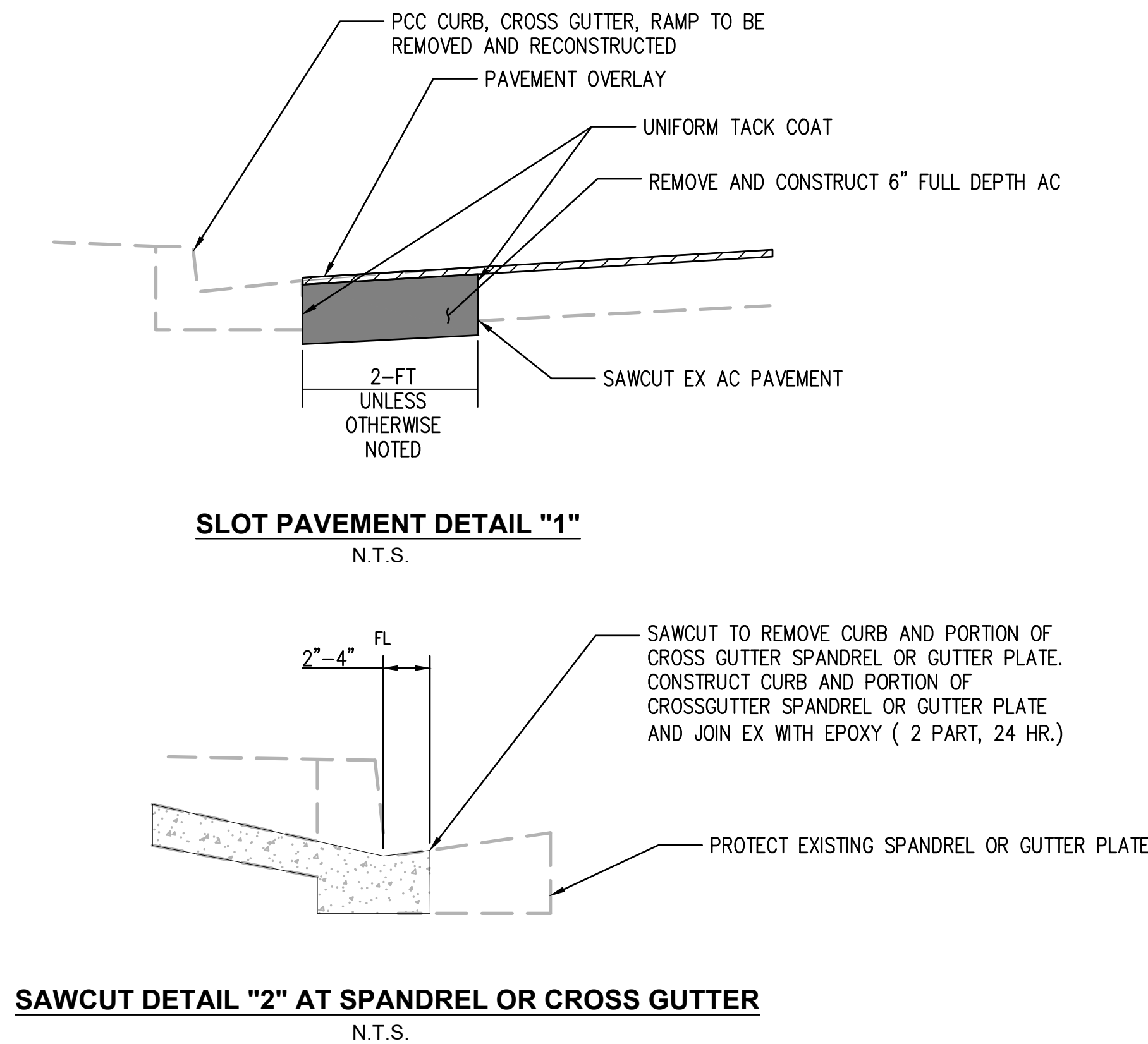
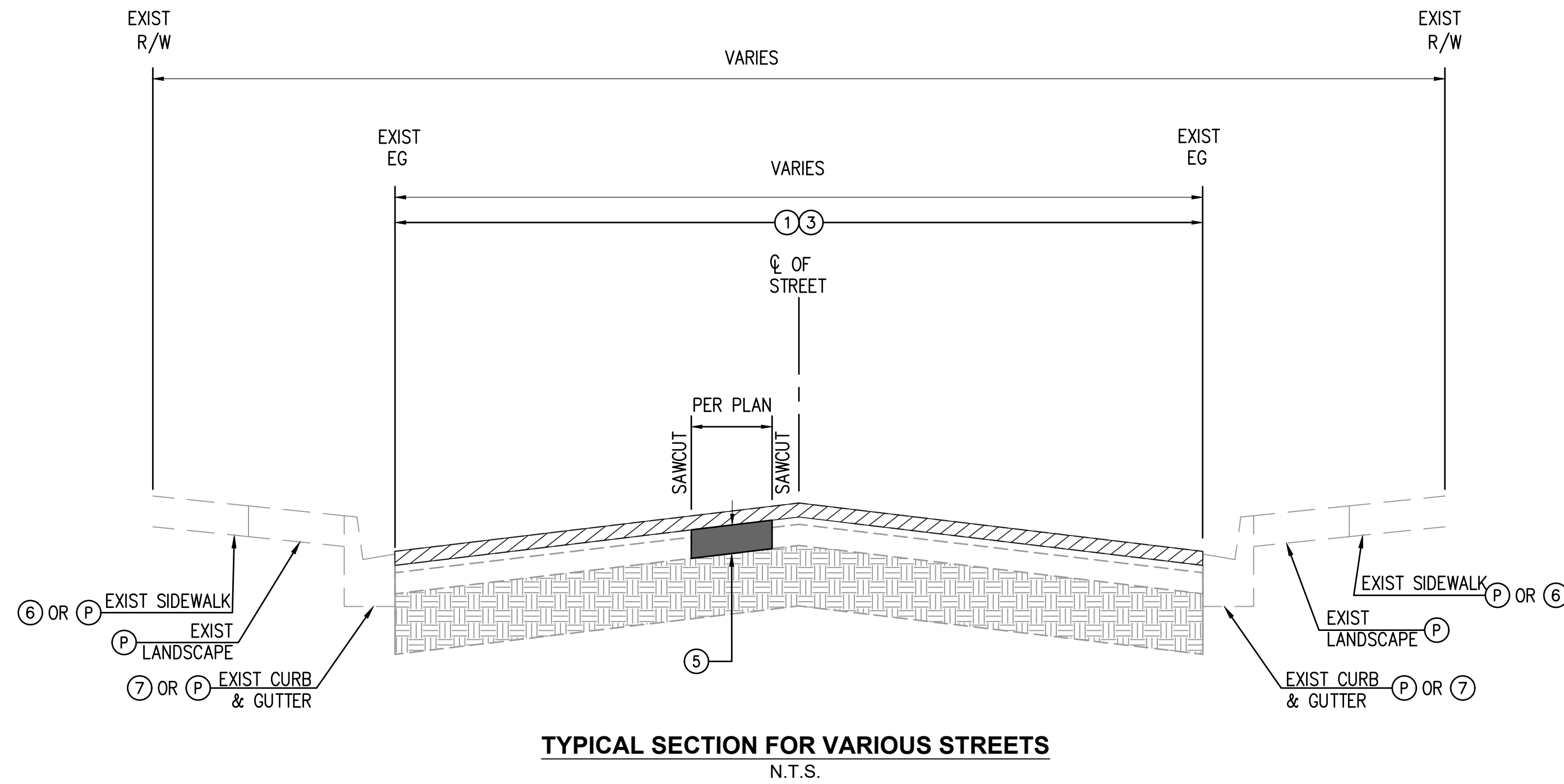
SHEET 1 OF 10

CONSTRUCTION NOTES:

- ① COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- ② COLD MILL EXISTING PAVEMENT 2.5-INCH UNIFORM DEPTH
- ③ CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- ④ CONSTRUCT 2.5-INCH THICK ARHM OVERLAY
- ⑤ REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- ⑥ REMOVE AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD PLAN 113-2
- ⑦ REMOVE AND CONSTRUCT A2-8 CURB AND GUTTER PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑧ REMOVE AND CONSTRUCT A1-6 CURB PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑨ REMOVE AND CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-5, CASE AND TYPE PER PLAN
- ⑩ REMOVE AND CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN 122-3
- ⑪ REMOVE AND CONSTRUCT LONGITUDINAL GUTTER PER SPPWC STD PLAN NO. 122-3
- ⑫ REMOVE AND CONSTRUCT ALLEY APPROACH PER SPPWC STD PLAN 130-3
- ⑬ REMOVE AND CONSTRUCT CURB DRAIN PER SPPWC STD PLAN 150-4
- ⑭ SEAL CRACKS OVER .25-INCH WIDE AND CONSTRUCT SLURRY SEAL, TYPE 2
- ⑮ NOT USED
- Ⓐ ADJUST TO GRADE (ITEM AS NOTED)
- Ⓓ ADJUST TO GRADE BY OTHERS (ITEM AS NOTED)
- Ⓔ PROTECT IN PLACE
- Ⓕ REMOVE

LEGEND

-  REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
-  COLD MILL 1.5-INCH AC PAVEMENT AND OVERLAY 1.5-INCH ARHM
-  COLD MILL 2.5-INCH AC PAVEMENT AND OVERLAY 2.5-INCH ARHM
-  PCC IMPROVEMENTS
-  SLURRY SEAL



REVISIONS

REFERENCES

NUMBER	DATE	INITIALS	APP'VD

APP'VD



WILLDAN Engineering
2001 East Katella Ave. Suite 400, Anaheim, California 92805
714.978.8200 Fax: 714.978.8299

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City Engineer			

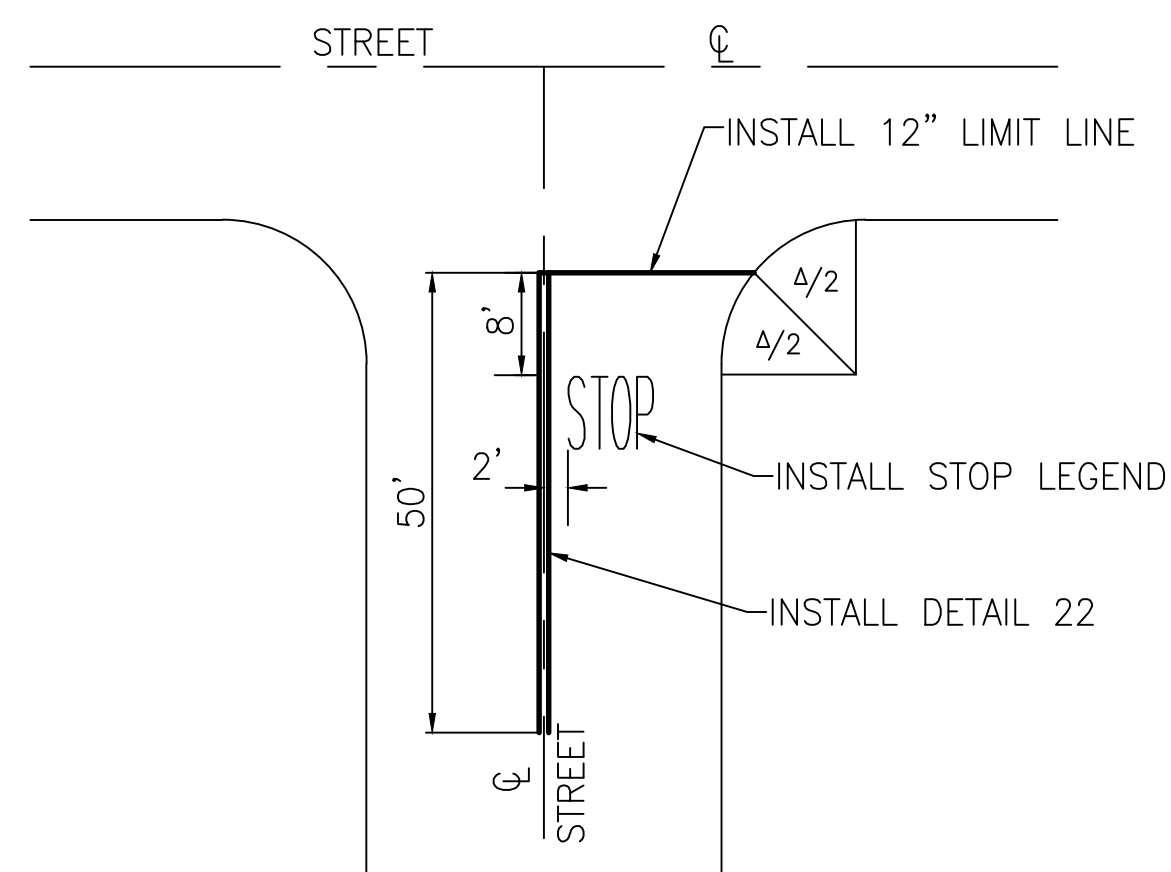
CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

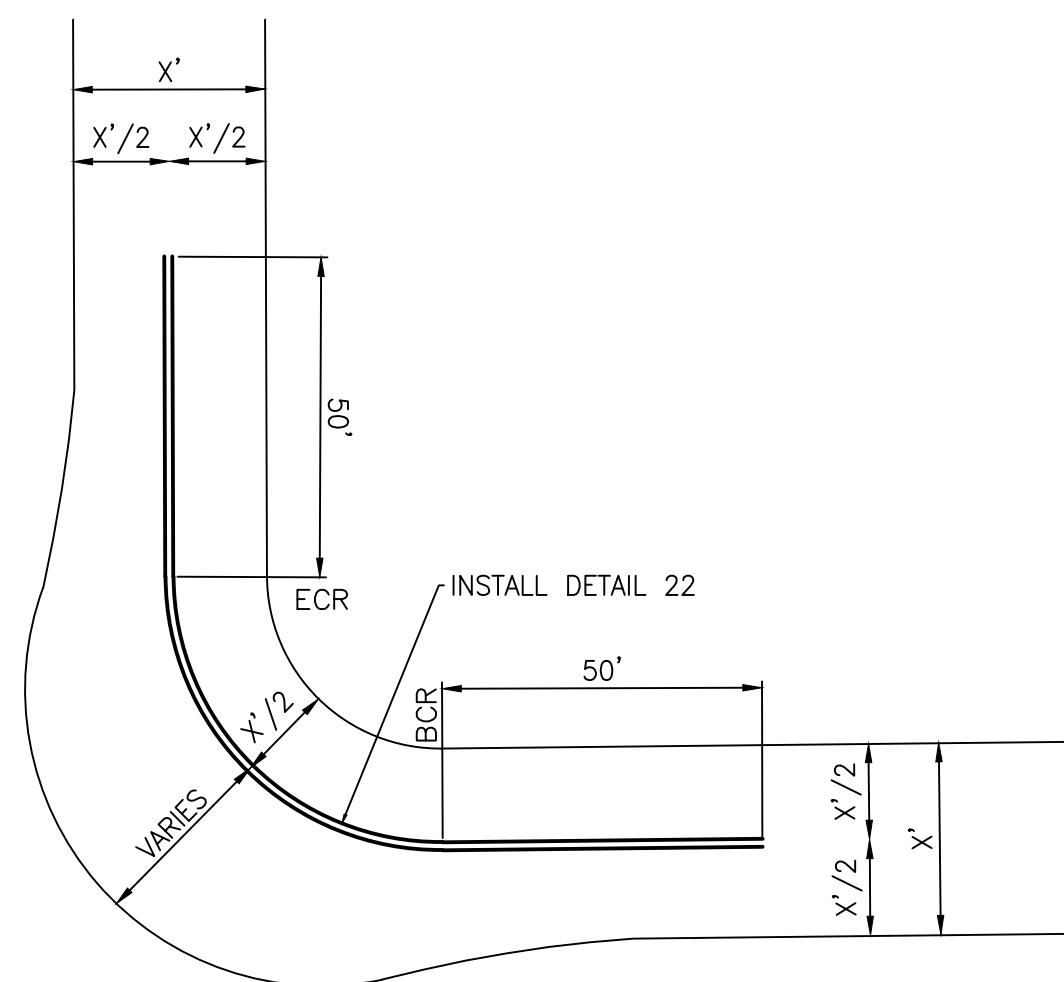
DETAIL SHEET

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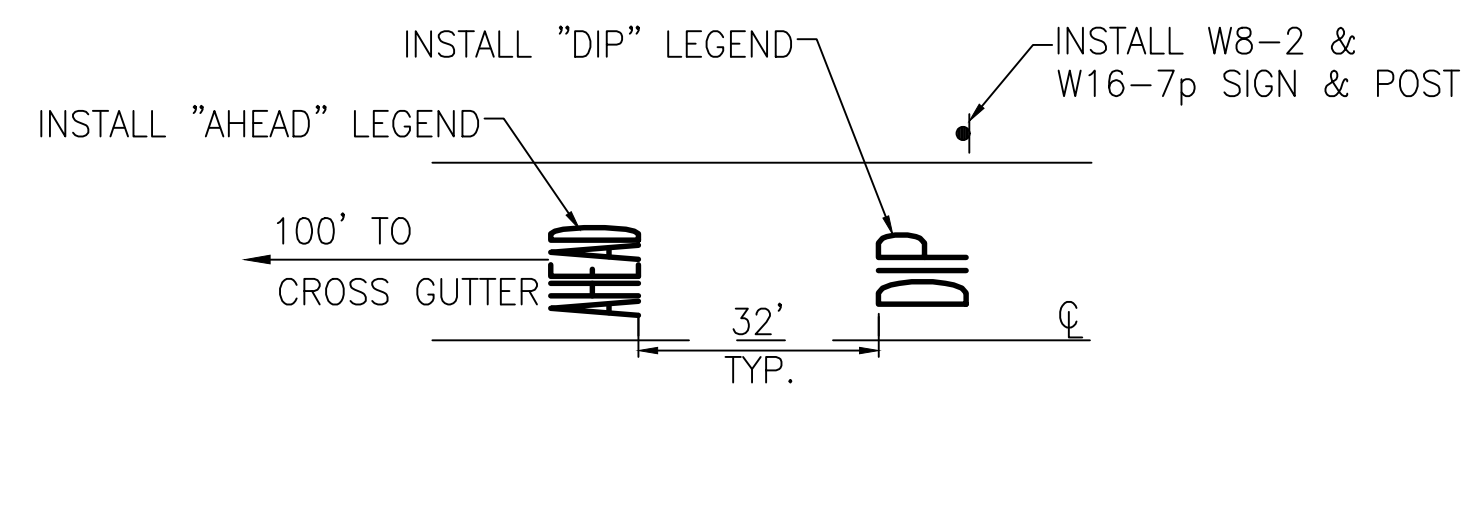




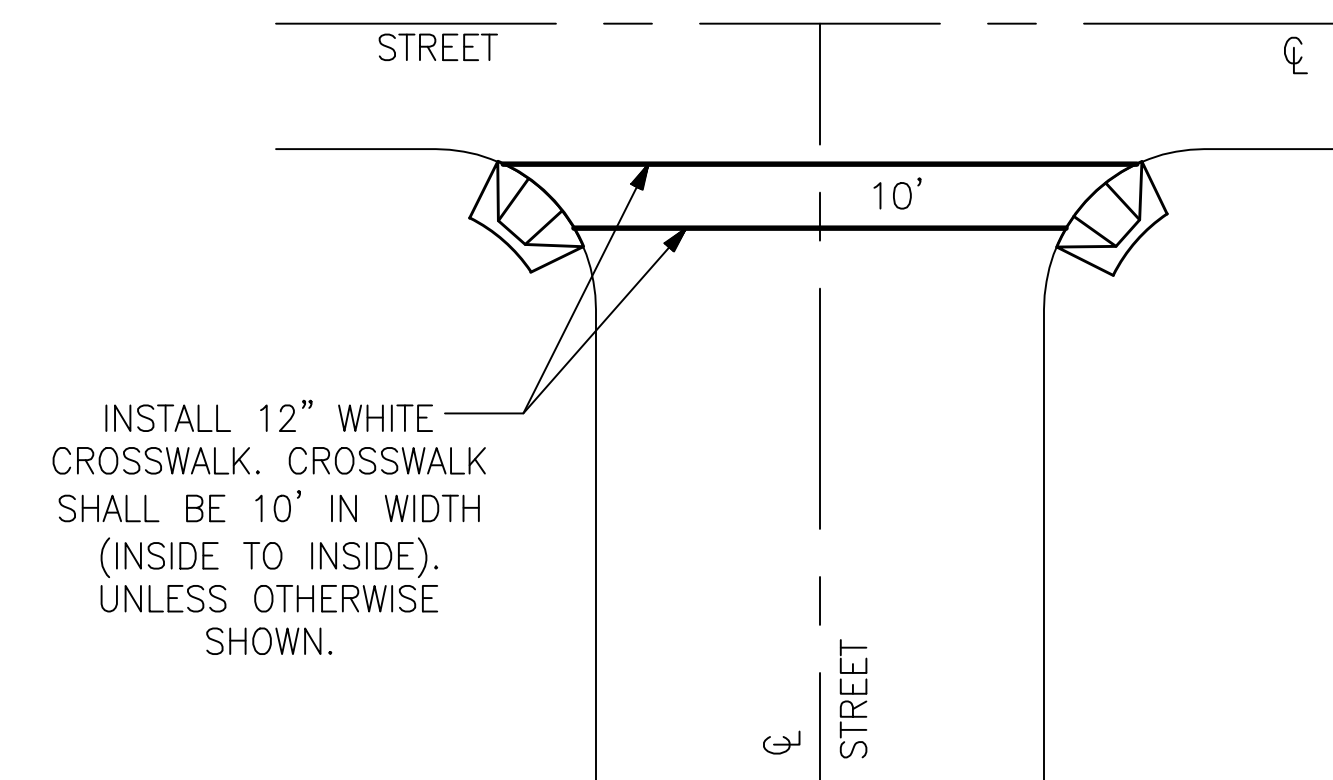
INTERSECTION STRIPING DETAIL
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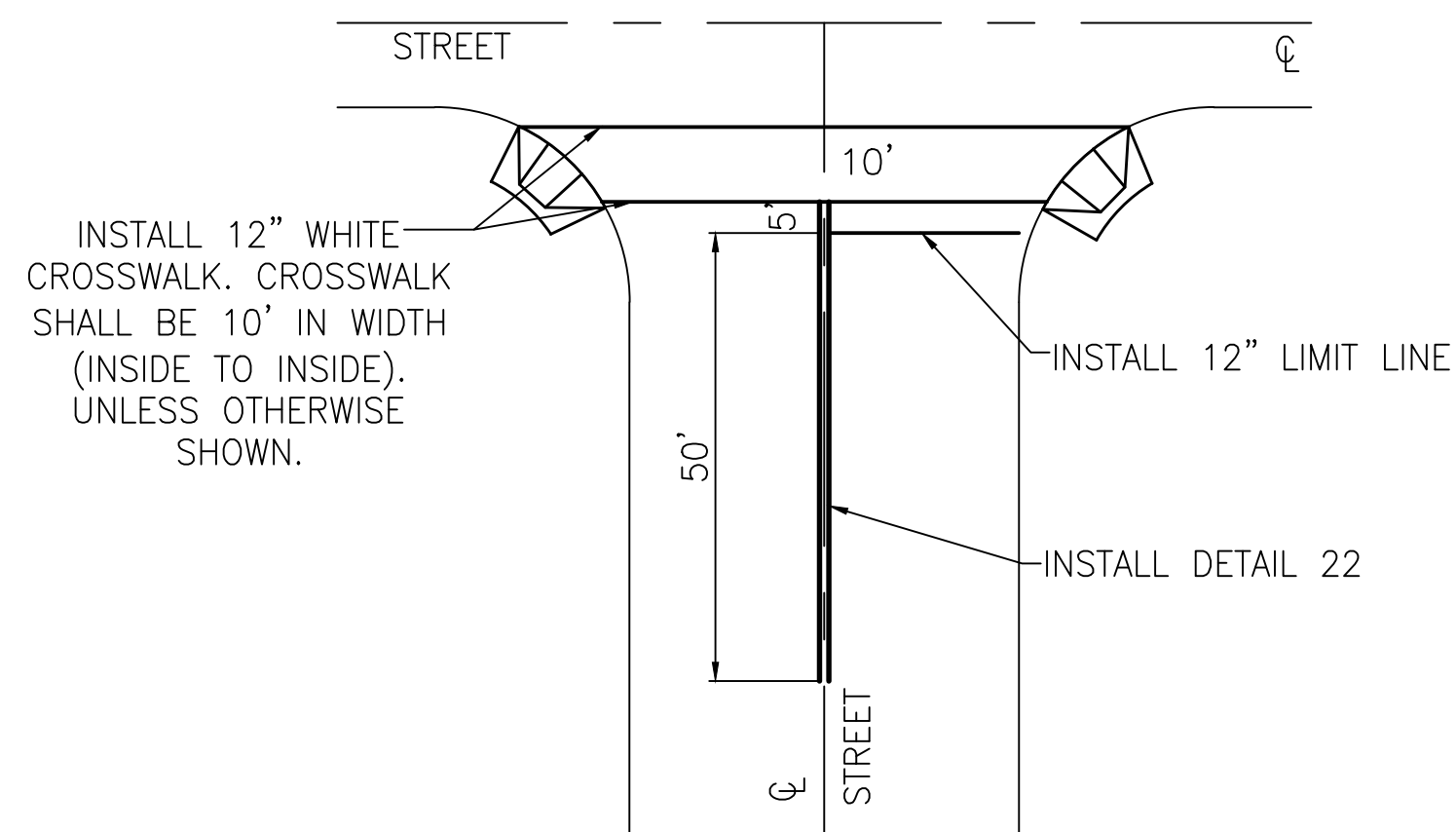
INTERSECTION STRIPING DETAIL
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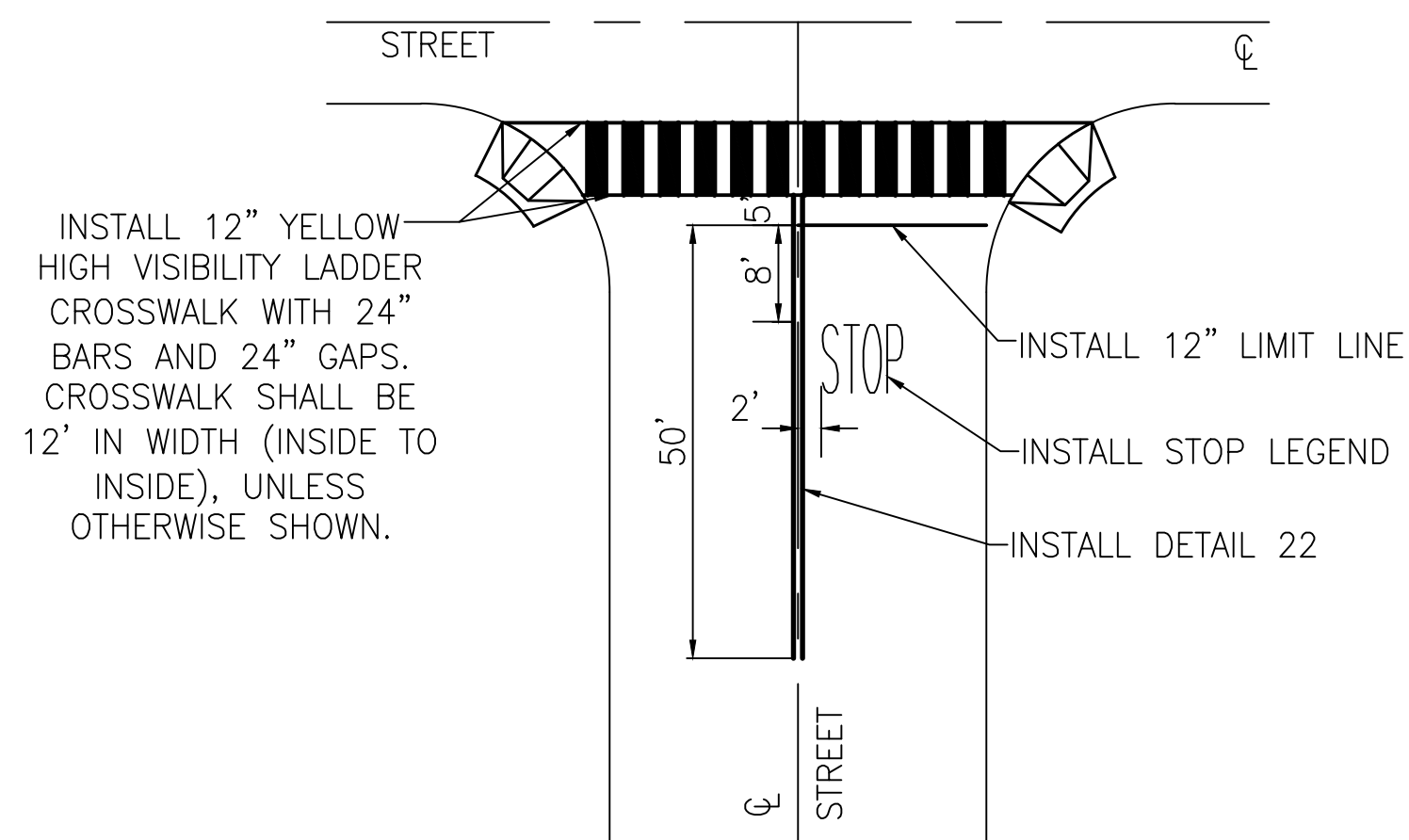
"DIP AHEAD"
PAVEMENT LEGEND DETAIL
DETAIL "C"
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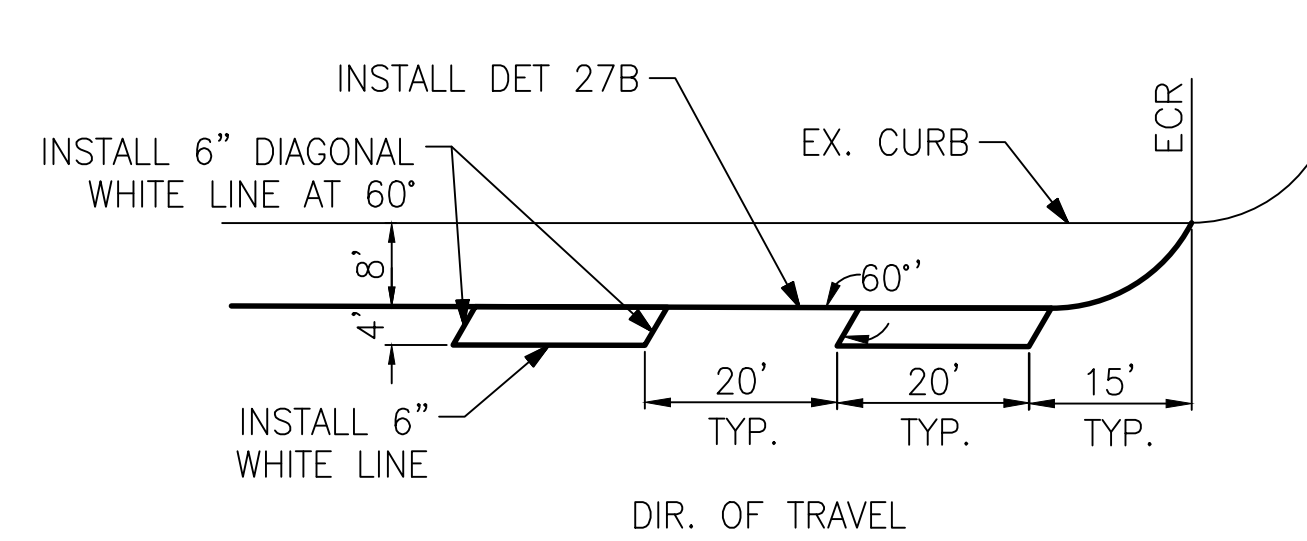
INTERSECTION CROSSWALK DETAIL
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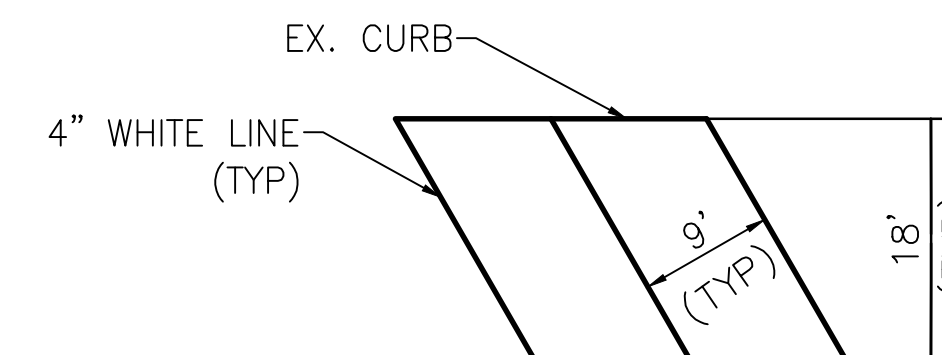
INTERSECTION STRIPING DETAIL
DETAIL "E"
N.T.S.



INTERSECTION STRIPING DETAIL
DETAIL "F"
N.T.S.



60° ON-STREET PARKING
BUFFER DETAIL
DETAIL "G"
N.T.S.



60° PARKING STALL DETAIL
DETAIL "H"
N.T.S.

REVISIONS

NUMBER	DATE	INITIALS

REFERENCES

APPV'D



DATE	
DRAWN BY	MT 7/2/2024
CHECKED BY	MP 7/2/2024
DESIGNED BY	MT 7/2/2024
APPROVED	7/2/2024
City Engineer	Date

CITY OF LOS ALAMITOS

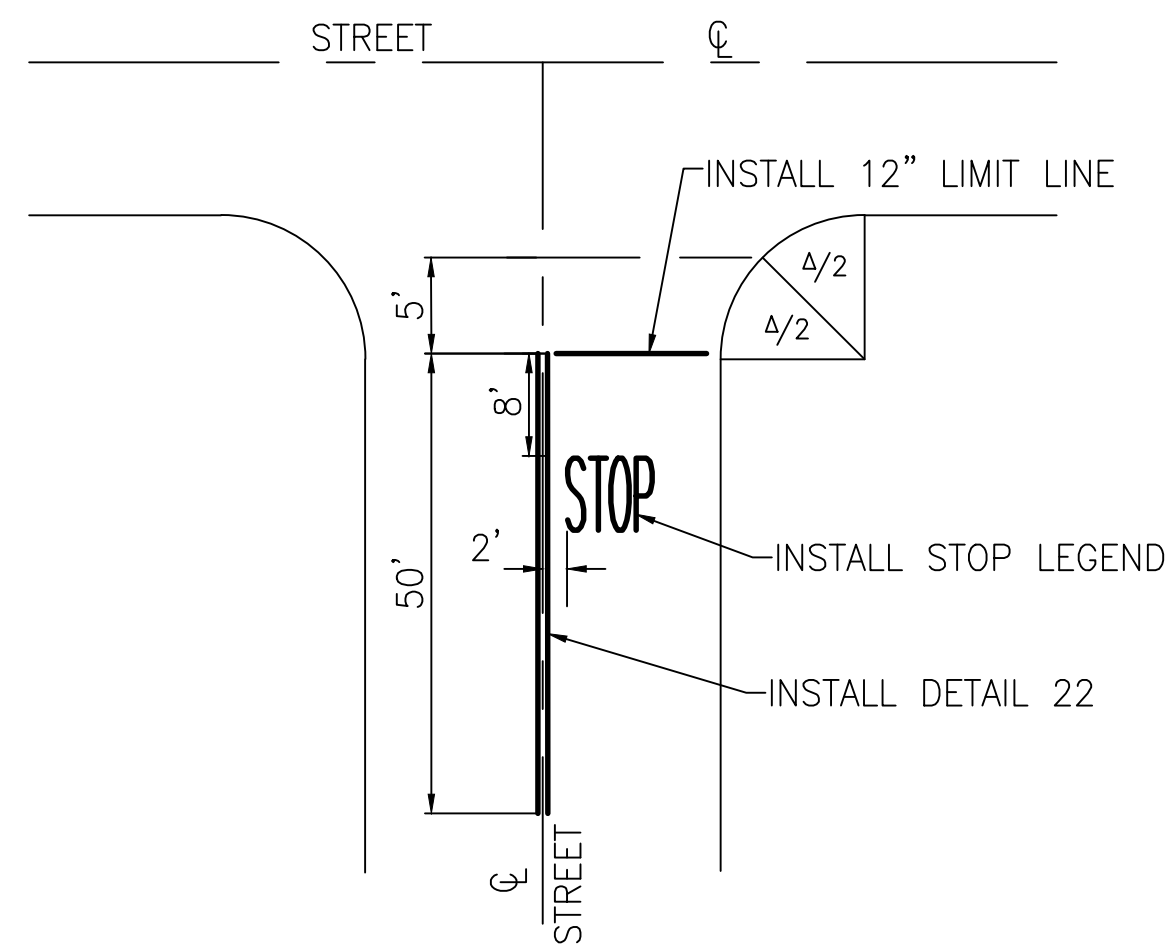
STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

STRIPING DETAIL SHEET

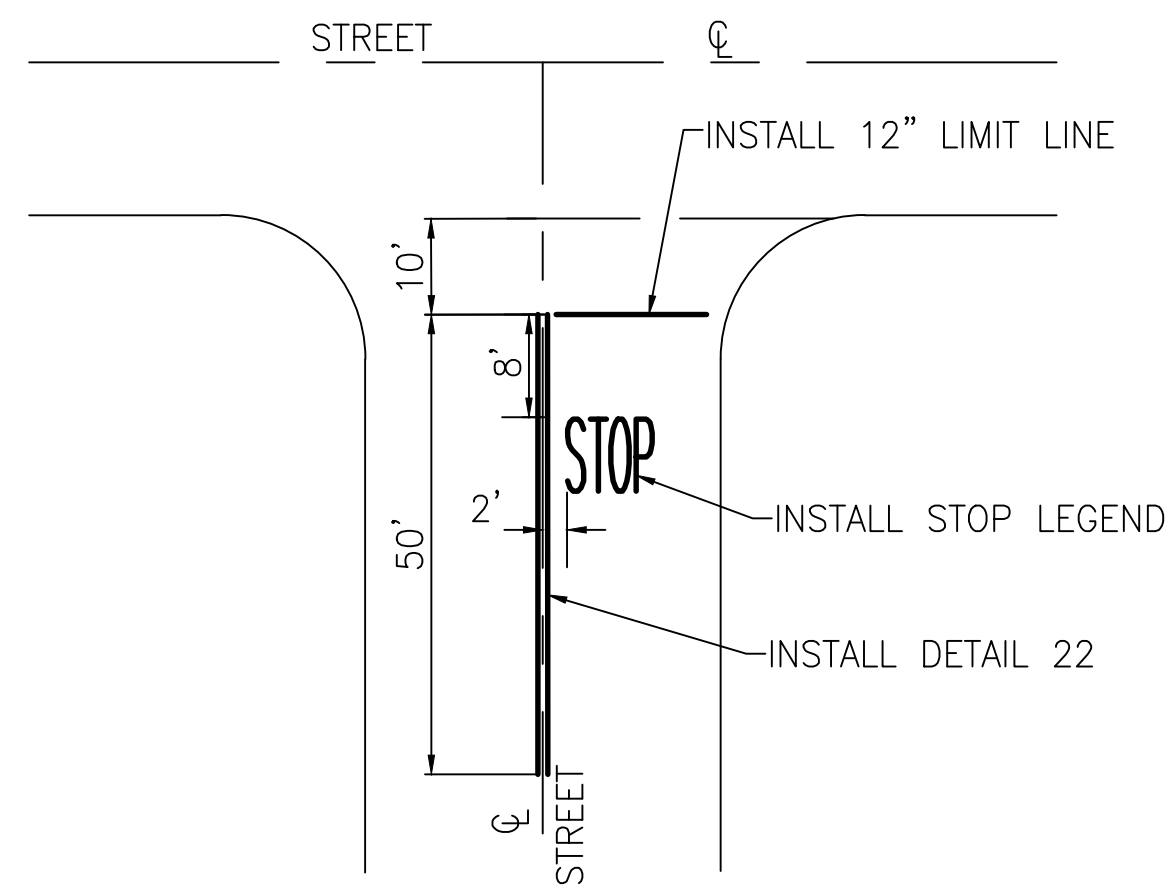
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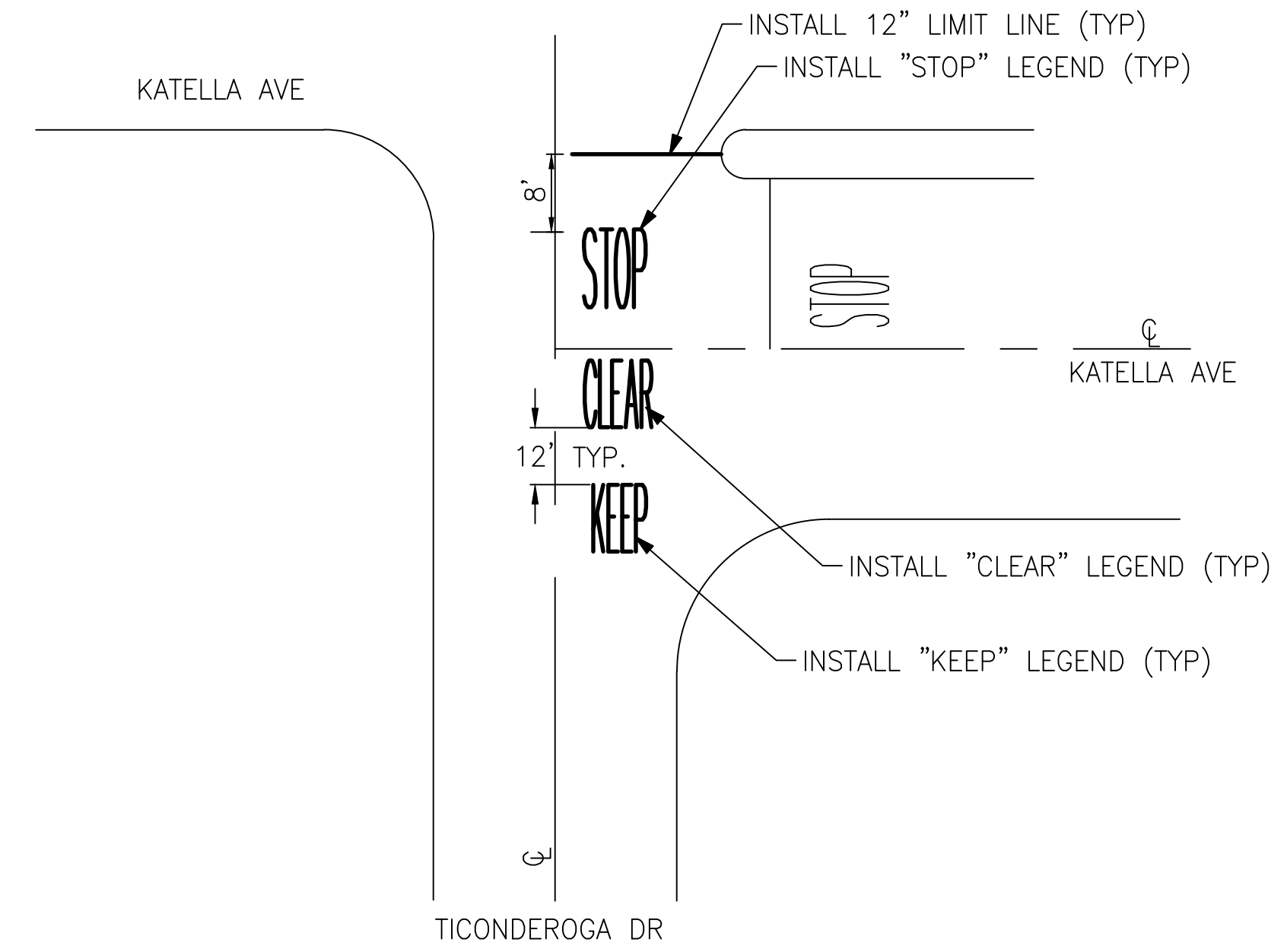
Know what's below.
Call before you dig.



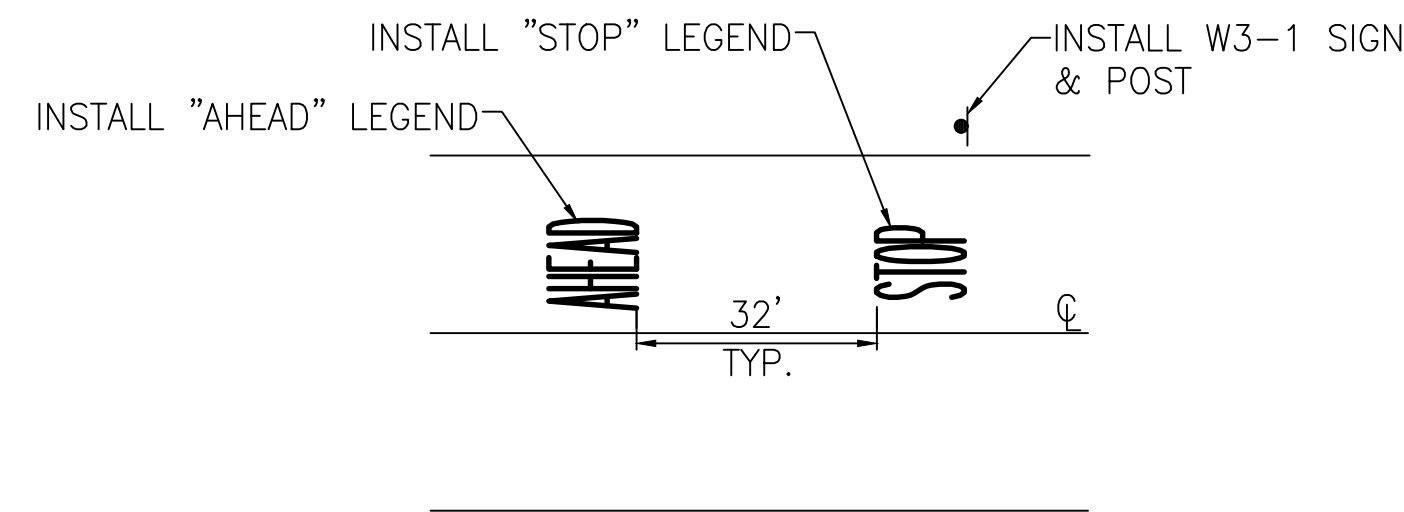
INTERSECTION STRIPING DETAIL
DETAIL "I"
N.T.S.



INTERSECTION STRIPING DETAIL
DETAIL "J"
N.T.S.



TICONDEROGA DR AT KATELLA AVE
STRIPING DETAIL
(SOUTH LEG)
DETAIL "K"
N.T.S.



"STOP AHEAD"
PAVEMENT LEGEND DETAIL
DETAIL "L"
N.T.S.

FILE: W:\WE-CAL\los alamitos\city\0112154 - los alamitos measure\y900\PS&E\901_plans\PL-DET-STRIPING-02.dwg

USER: mtuong
DATE: Jul 02, 2024 - 6:35pm



REVISIONS			
NUMBER	DATE	INITIALS	

REFERENCES	
APPV'D	



WILLDAN Engineering		DATE
DRAWN BY	MT	7/2/2024
CHECKED BY	MP	7/2/2024
DESIGNED BY	MT	7/2/2024
APPROVED		7/2/2024
City Engineer		Date

CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

STRIPING DETAIL SHEET

CONSTRUCTION NOTES

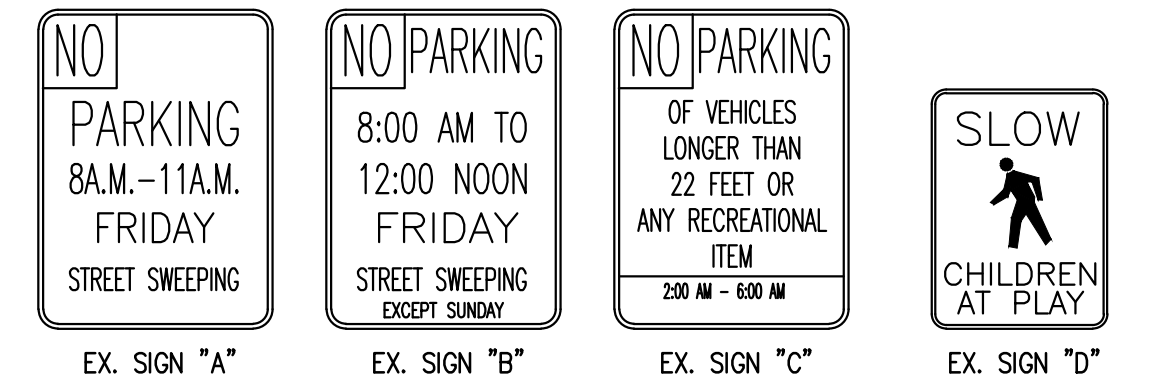
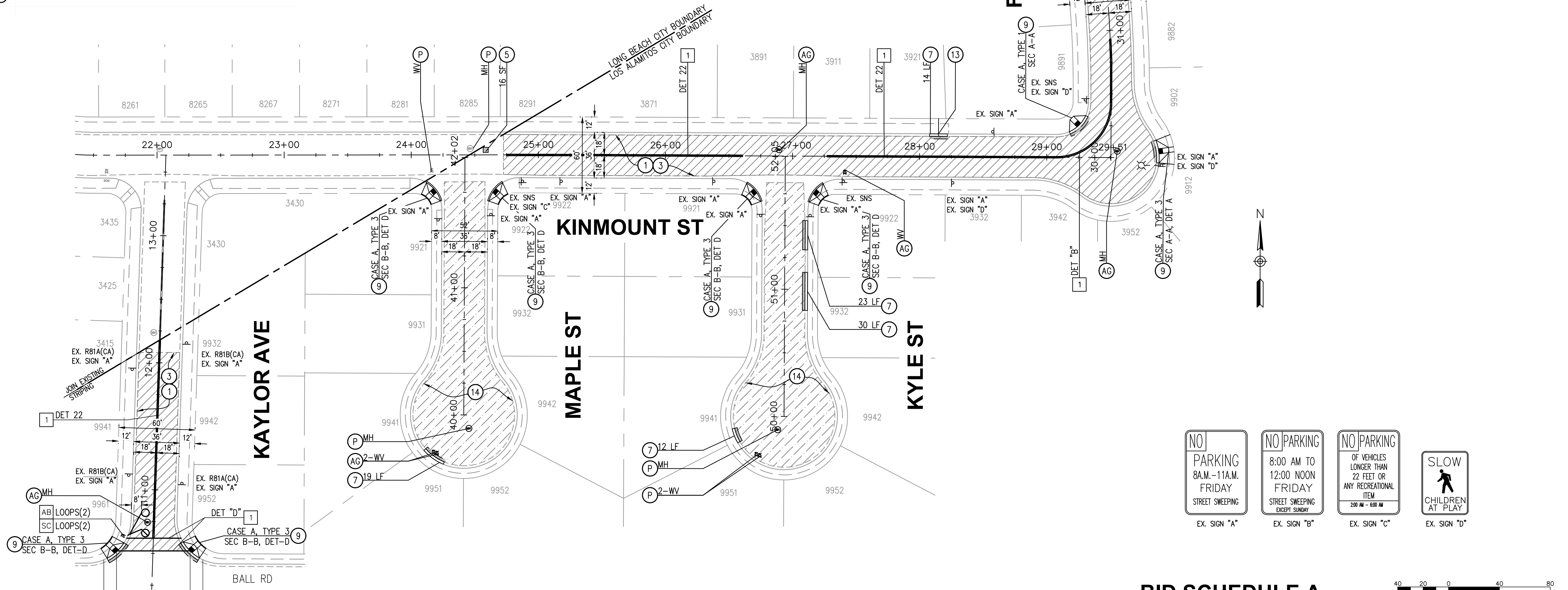
- ① COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- ② COLD MILL EXISTING PAVEMENT 2.5-INCH UNIFORM DEPTH
- ③ CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- ④ CONSTRUCT 2.5-INCH THICK ARHM OVERLAY
- ⑤ REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- ⑥ REMOVE AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD PLAN 113-2
- ⑦ REMOVE AND CONSTRUCT A2-8 CURB AND GUTTER PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑨ REMOVE AND CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-5, CASE AND TYPE PER PLAN
- ⑬ REMOVE AND CONSTRUCT CURB DRAIN PER SPPWC STD PLAN 150-4
- ⑭ SEAL CRACKS OVER .25-INCH WIDE AND CONSTRUCT SLURRY SEAL, TYPE 2
- ⑮ NOT USED
- AG ADJUST TO GRADE (ITEM AS NOTED)
- P PROTECT IN PLACE

LEGEND

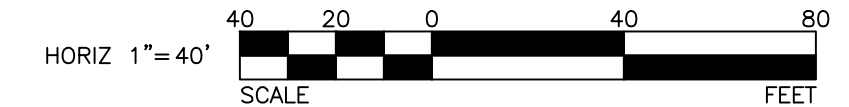
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- COLD MILL 2.5-INCH AC PAVEMENT AND OVERLAY 2.5-INCH ARHM
- PCC IMPROVEMENTS
- SLURRY SEAL

SIGNING AND STRIPING CONSTRUCTION NOTES:

- ① INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
- ② REMOVE CONFLICTING STRIPING.
- ③ INSTALL 6" DIAGONAL WHITE LINE AT 45°, 5' O.C.
- ④ INSTALL 6" WHITE LINE AS SHOWN, UNLESS OTHERWISE NOTED.
- ⑤ REMOVE SIGN(S) AS NOTED.
- ⑥ REMOVE SIGN(S) AND POST AS NOTED.
- ⑦ INSTALL SIGN(S) AS NOTED.
- ⑧ INSTALL SIGN(S) AND POST AS NOTED.
- ⑨ INSTALL 12" THERMOPLASTIC WHITE LIMIT LINE.



BID SCHEDULE A



FILE: W:\WE-CAL\Los Alamitos, City of\1121514 - Los Alamitos Measure Y000-PSC-E\01-Plans\PL-R0AD-1.dwg
 USER: YCruz
 DATE: Jul 01, 2024 - 1:53pm



REVISIONS		
NUMBER	DATE	INITIALS

REFERENCES	
APP'V'D	



WILLDAN Engineering
 2001 East Kadena Ave. Suite 402, Anaheim, California 92805
 714.978.8200 Fax: 714.978.8299

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CHECKED BY	KS	DATE	6/18/2024
DESIGNED BY	AM,MT,YC	DATE	6/18/2024
APPROVED		DATE	6/18/2024

City Engineer

CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

KINMOUNT ST CITY LIMIT TO FARNHAM AVE	KAYLOR AVE BALL RD TO CITY KIMIT	KYLE ST SOUTH END TO KINMOUNT ST
FARNHAM AVE KINMOUNT ST TO CITY LIMIT	MAPLE ST SOUTH END TO KINMOUNT ST	

SHEET 5 OF 10

CONSTRUCTION NOTES

- ① COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- ② COLD MILL EXISTING PAVEMENT 2.5-INCH UNIFORM DEPTH
- ③ CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- ④ CONSTRUCT 2.5-INCH THICK ARHM OVERLAY
- ⑤ REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- ⑥ REMOVE AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD PLAN 113-2
- ⑦ REMOVE AND CONSTRUCT A2-8 CURB AND GUTTER PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑧ REMOVE AND CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-5, CASE AND TYPE PER PLAN
- ⑨ REMOVE AND CONSTRUCT CROSS GUTTER PER SPPWC STD PLAN 122-3
- ⑩ REMOVE AND CONSTRUCT ALLEY APPROACH PER SPPWC STD PLAN 130-3
- AG ADJUST TO GRADE (ITEM AS NOTED)
- P PROTECT IN PLACE

LEGEND

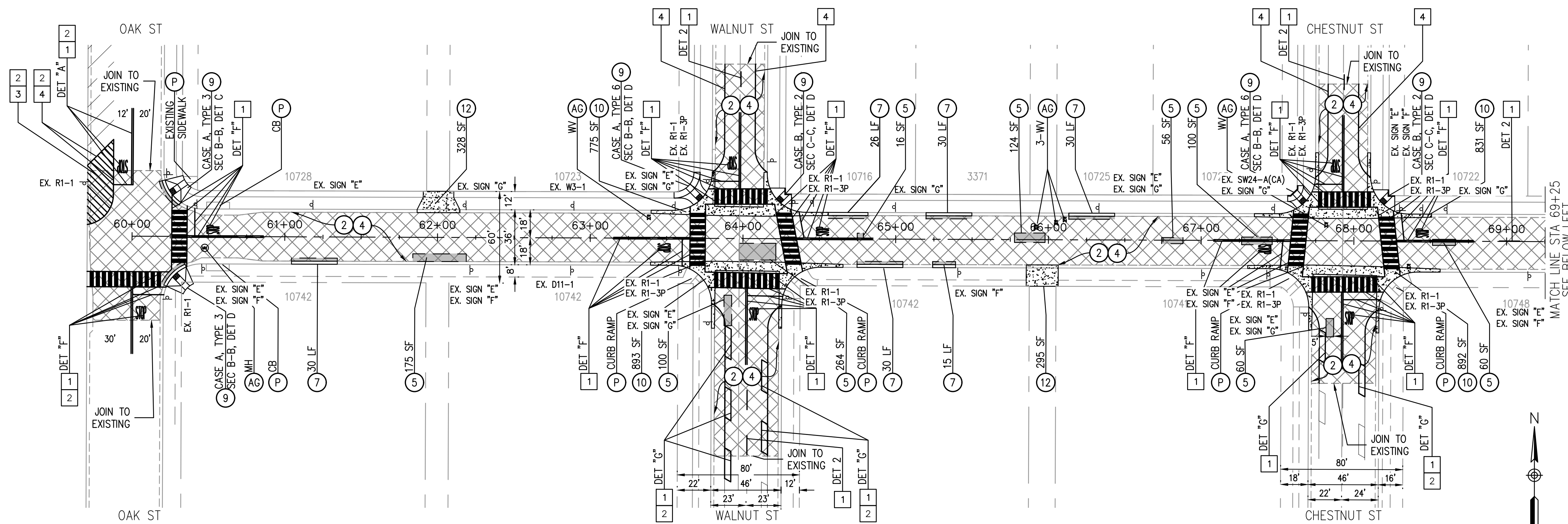
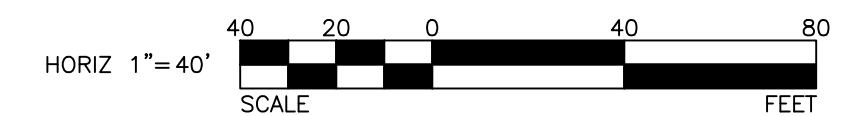
- REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
- COLD MILL 2.5-INCH AC PAVEMENT AND OVERLAY 2.5-INCH ARHM
- PCC IMPROVEMENTS

SIGNING AND STRIPING CONSTRUCTION NOTES:

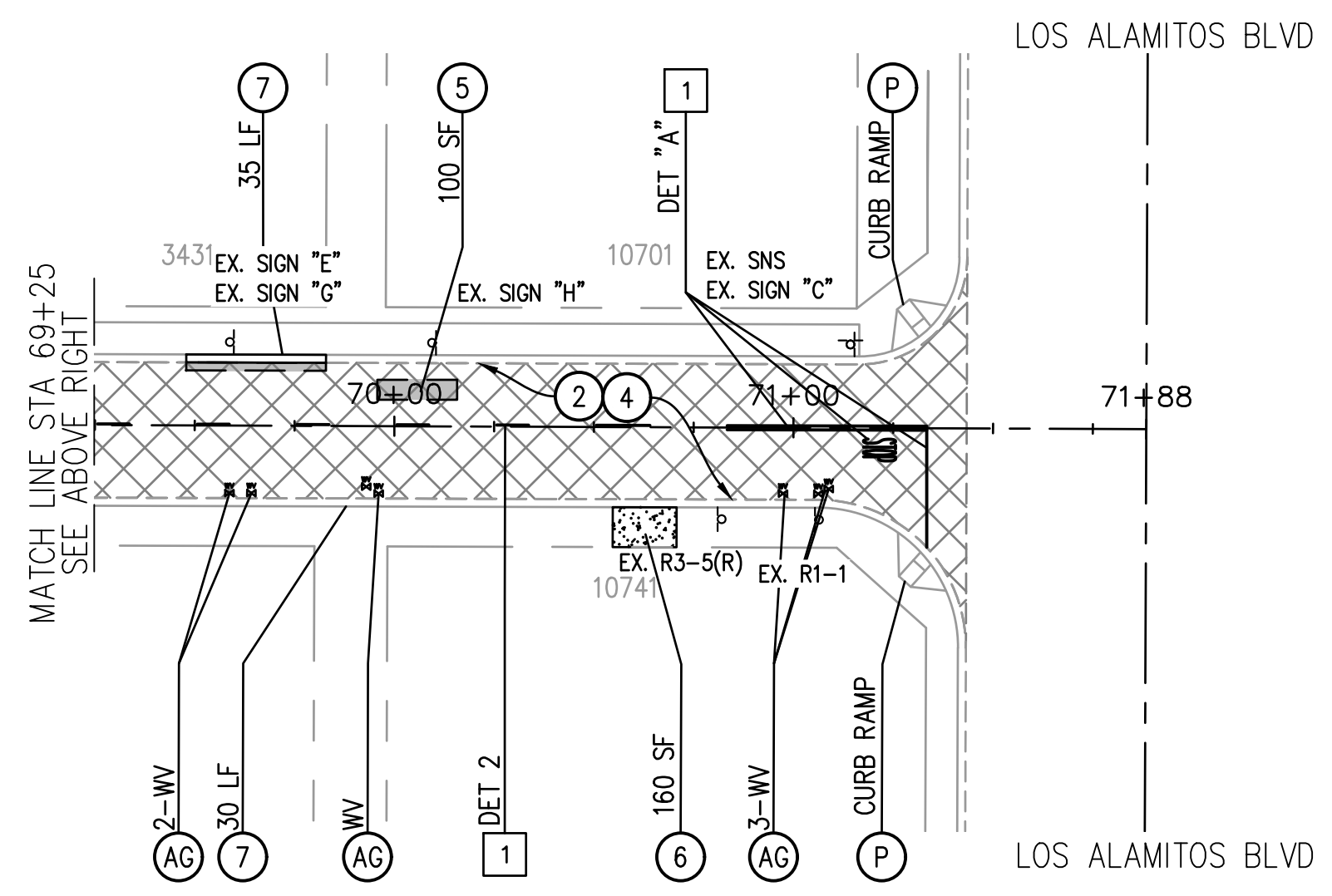
- ① INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
- ② REMOVE CONFLICTING STRIPING.
- ③ INSTALL 6" DIAGONAL WHITE LINE AT 45°, 5' O.C.
- ④ INSTALL 6" WHITE LINE AS SHOWN, UNLESS OTHERWISE NOTED.
- ⑤ REMOVE SIGN(S) AS NOTED.
- ⑥ REMOVE SIGN(S) AND POST AS NOTED.
- ⑦ INSTALL SIGN(S) AS NOTED.
- ⑧ INSTALL SIGN(S) AND POST AS NOTED.
- ⑨ INSTALL 12" THERMOPLASTIC WHITE LIMIT LINE.



BID SCHEDULE A



CATALINA ST



CATALINA ST

REVISIONS

NUMBER	DATE	INITIALS

REFERENCES

APPV'D



WILLDAN Engineering
2001 East Catalina Ave. Suite 402, Los Alamitos, California 92646
 714.978.8200 Fax: 714.978.8299

DRAWN BY	AM,MT	DATE	6/18/2024
CHECKED BY	KS	DATE	6/18/2024
DESIGNED BY	AM,MT,YC	DATE	6/18/2024
APPROVED		DATE	6/18/2024

City Engineer

CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

CATALINA ST
FROM OAK ST TO LOS ALAMITOS BLVD

SHEET 6 OF 10

USER: YCruz DATE: Jun 18, 2024 - 3:24pm FILE: W:\WE-C\lba_alamitos_city_01112154 - los_alamitos_measure_y1900r558E1901-plans\PL-ROAD-2.dwg





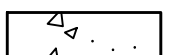
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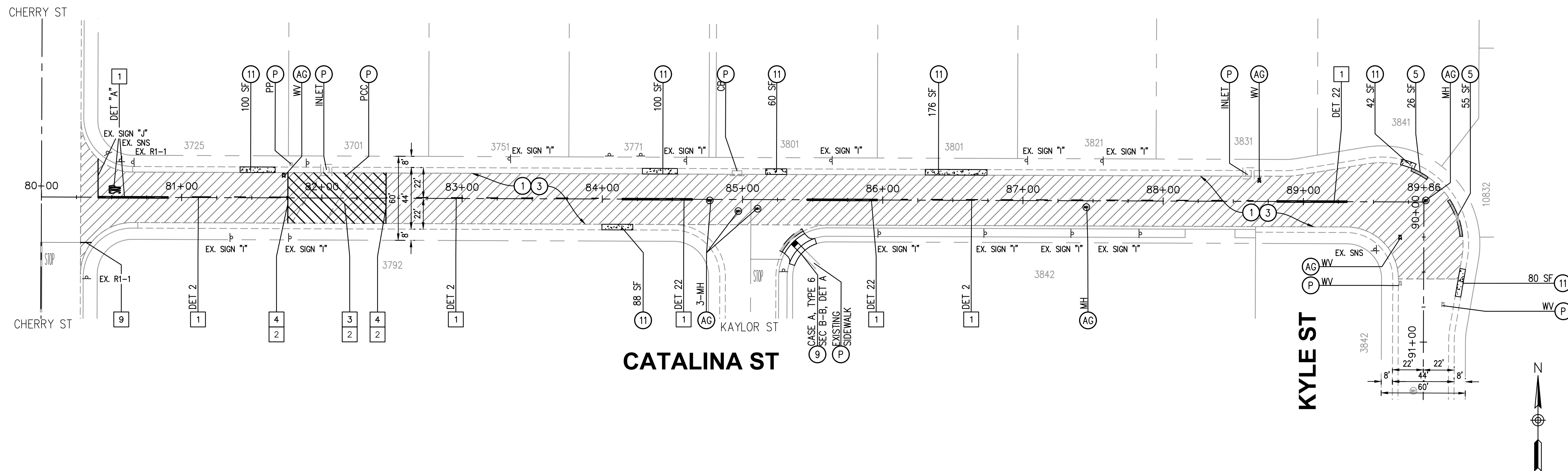
- 1 INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
- 2 REMOVE CONFLICTING STRIPING.
- 3 INSTALL 6" DIAGONAL WHITE LINE AT 45°, 5' O.C.
- 4 INSTALL 6" WHITE LINE AS SHOWN, UNLESS OTHERWISE NOTED.
- 5 REMOVE SIGN(S) AS NOTED.
- 6 REMOVE SIGN(S) AND POST AS NOTED.
- 7 INSTALL SIGN(S) AS NOTED.
- 8 INSTALL SIGN(S) AND POST AS NOTED.
- 9 INSTALL 12" THERMOPLASTIC WHITE LIMIT LINE.

CONSTRUCTION NOTES

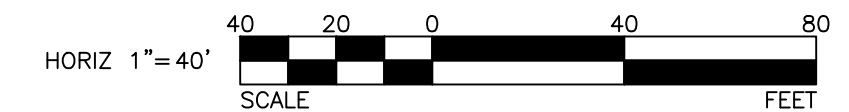
- 1 COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- 3 CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- 5 REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- 6 REMOVE AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD PLAN 113-2
- 9 REMOVE AND CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-5, CASE AND TYPE PER PLAN
- 11 REMOVE AND CONSTRUCT LONGITUDINAL GUTTER PER SPPWC STD PLAN NO. 122-3
- AG ADJUST TO GRADE (ITEM AS NOTED)
- P PROTECT IN PLACE

LEGEND

-  REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
-  COLD MILL 1.5-INCH AC PAVEMENT AND OVERLAY
-  PCC IMPROVEMENTS



BID SCHEDULE A



CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

CATALINA ST
FROM CHERRY ST TO KYLE ST

SHEET 7 OF 10

REVISIONS

NUMBER	DATE	INITIALS

REFERENCES

APPV'D



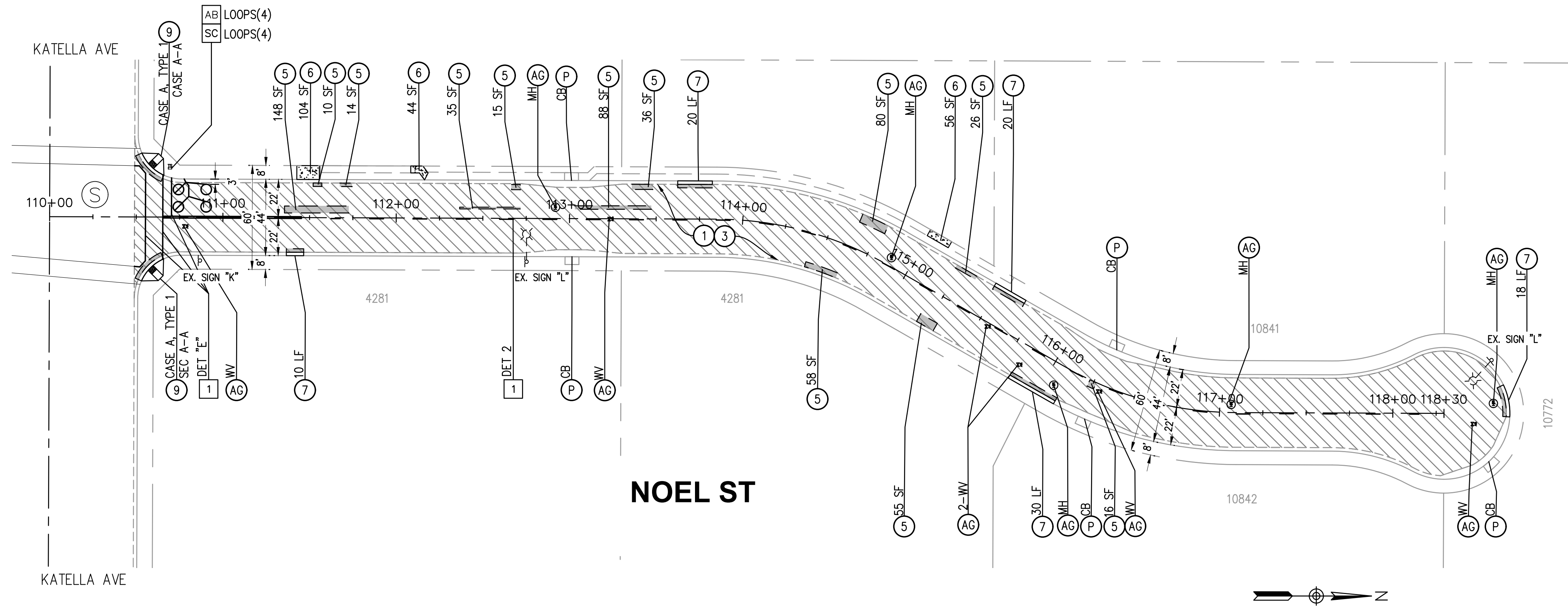
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DRAWN BY	AM,MT	6/18/2024
CHECKED BY	KS	6/18/2024
DESIGNED BY	AM,MT,YC	6/18/2024
APPROVED		6/18/2024
City Engineer		Date



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USER: YCruz
DATE: Jun 18, 2024 - 3:35pm



CONSTRUCTION NOTES

- ① COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- ③ CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- ⑤ REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- ⑥ REMOVE AND CONSTRUCT 4-INCH THICK PCC SIDEWALK PER SPPWC STD PLAN 113-2
- ⑦ REMOVE AND CONSTRUCT A2-8 CURB AND GUTTER PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑨ REMOVE AND CONSTRUCT CURB RAMP PER SPPWC STD PLAN 111-5, CASE AND TYPE PER PLAN
- AG ADJUST TO GRADE (ITEM AS NOTED)
- P PROTECT IN PLACE

LEGEND

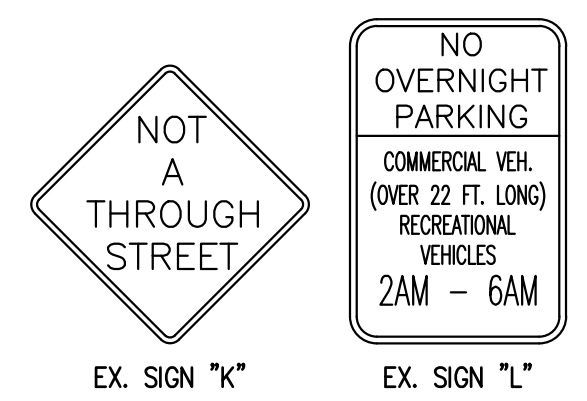
- REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
- COLD MILL 1.5-INCH AC PAVEMENT AND OVERLAY 1.5-INCH ARHM
- PCC IMPROVEMENTS

LEGEND

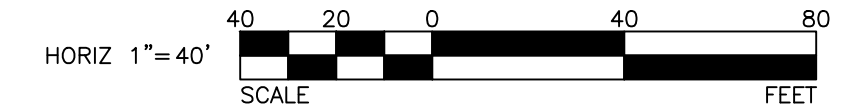
- SIGNALIZED INTERSECTION

SIGNING AND STRIPING CONSTRUCTION NOTES:

- ① INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
- ② REMOVE CONFLICTING STRIPING.
- ③ INSTALL 6" DIAGONAL WHITE LINE AT 45°, 5' O.C.
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- ⑥ REMOVE SIGN(S) AND POST AS NOTED.
- ⑦ INSTALL SIGN(S) AS NOTED.
- ⑧ INSTALL SIGN(S) AND POST AS NOTED.
- ⑨ INSTALL 12" THERMOPLASTIC WHITE LIMIT LINE.



BID SCHEDULE B



REVISIONS		
NUMBER	DATE	INITIALS

REFERENCES	
	APP'V'D





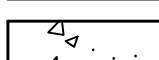
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CHECKED BY	KS	6/18/2024
DESIGNED BY	AM,MT,YC	6/18/2024
APPROVED		6/18/2024
	City Engineer	Date

CITY OF LOS ALAMITOS
STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023
NOEL ST
FROM KATELLA AVE TO NORTH END

CONSTRUCTION NOTES

- ① COLD MILL EXISTING PAVEMENT 1.5-INCH UNIFORM DEPTH
- ③ CONSTRUCT 1.5-INCH THICK ARHM OVERLAY
- ⑤ REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
- ⑦ REMOVE AND CONSTRUCT A2-8 CURB AND GUTTER PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑧ REMOVE AND CONSTRUCT A1-6 CURB PER SPPWC STD PLAN 120-3. MATCH EXISTING.
- ⑬ REMOVE AND CONSTRUCT CURB DRAIN PER SPPWC STD PLAN 150-4
- AG ADJUST TO GRADE (ITEM AS NOTED)

LEGEND

-  REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
-  COLD MILL 1.5-INCH AC PAVEMENT AND OVERLAY 1.5-INCH ARHM
-  PCC IMPROVEMENTS

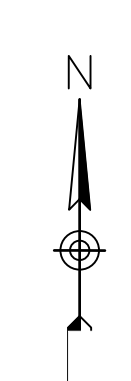
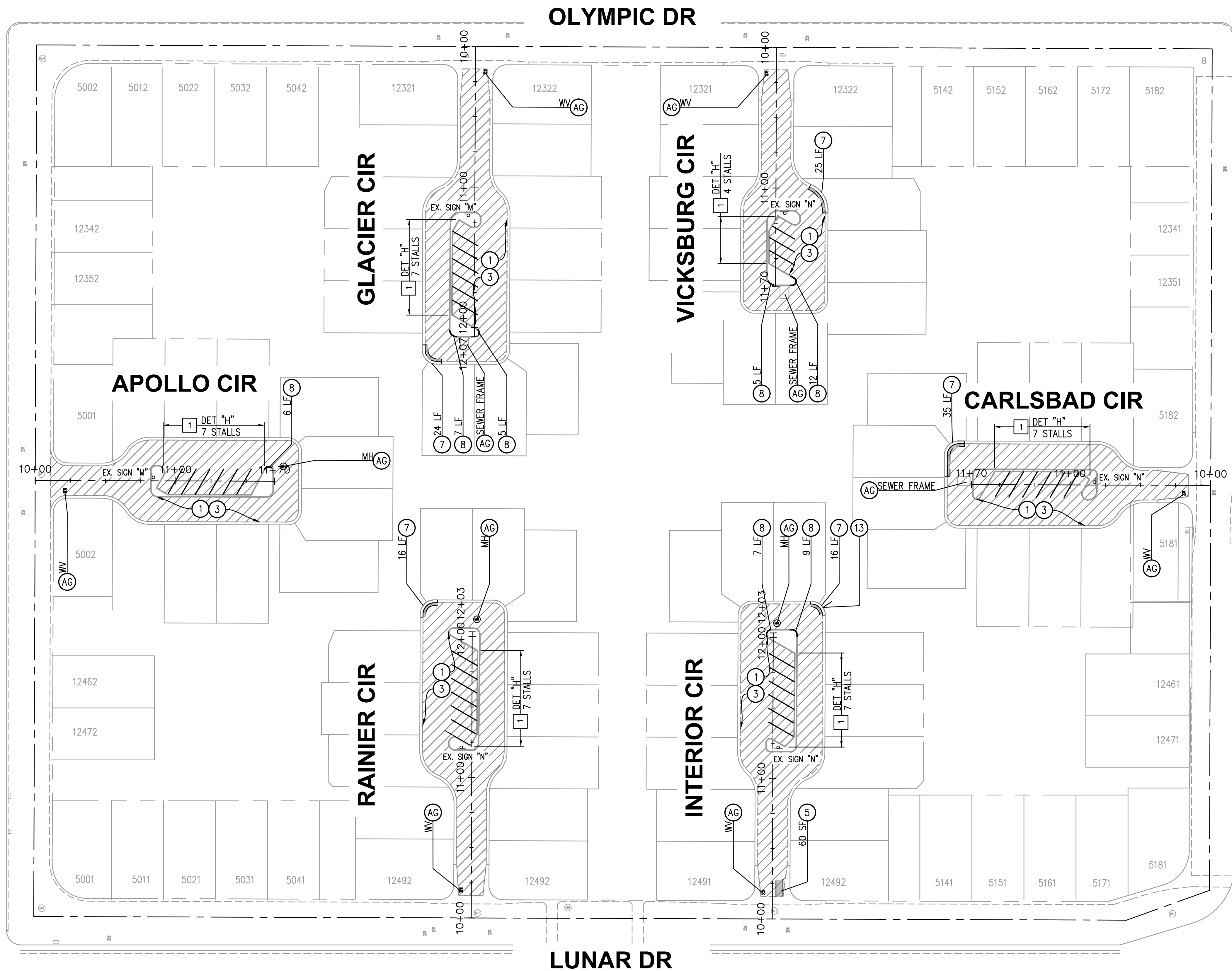
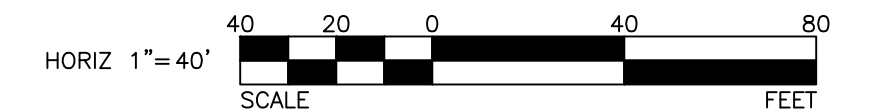
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- ② REMOVE CONFLICTING STRIPING.
- ③ INSTALL 6" DIAGONAL WHITE LINE AT 45°, 5' O.C.
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- ⑦ INSTALL SIGN(S) AS NOTED.
- ⑧ INSTALL SIGN(S) AND POST AS NOTED.
- ⑨ INSTALL 12" THERMOPLASTIC WHITE LIMIT LINE.



EX. SIGN "M" EX. SIGN "N"

BID SCHEDULE A

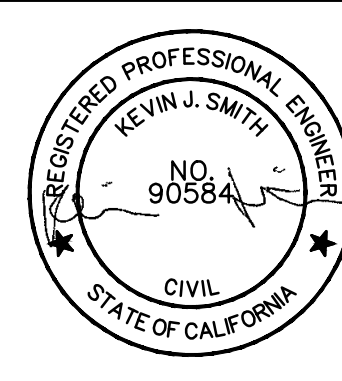


REVISIONS

NUMBER	DATE	INITIALS

REFERENCES

APPV'D



WILLDAN Engineering		DATE
DRAWN BY	AM,MT	6/18/2024
CHECKED BY	KS	6/18/2024
DESIGNED BY	AM,MT,YC	6/18/2024
APPROVED		6/18/2024
	City Engineer	Date

CITY OF LOS ALAMITOS

STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023

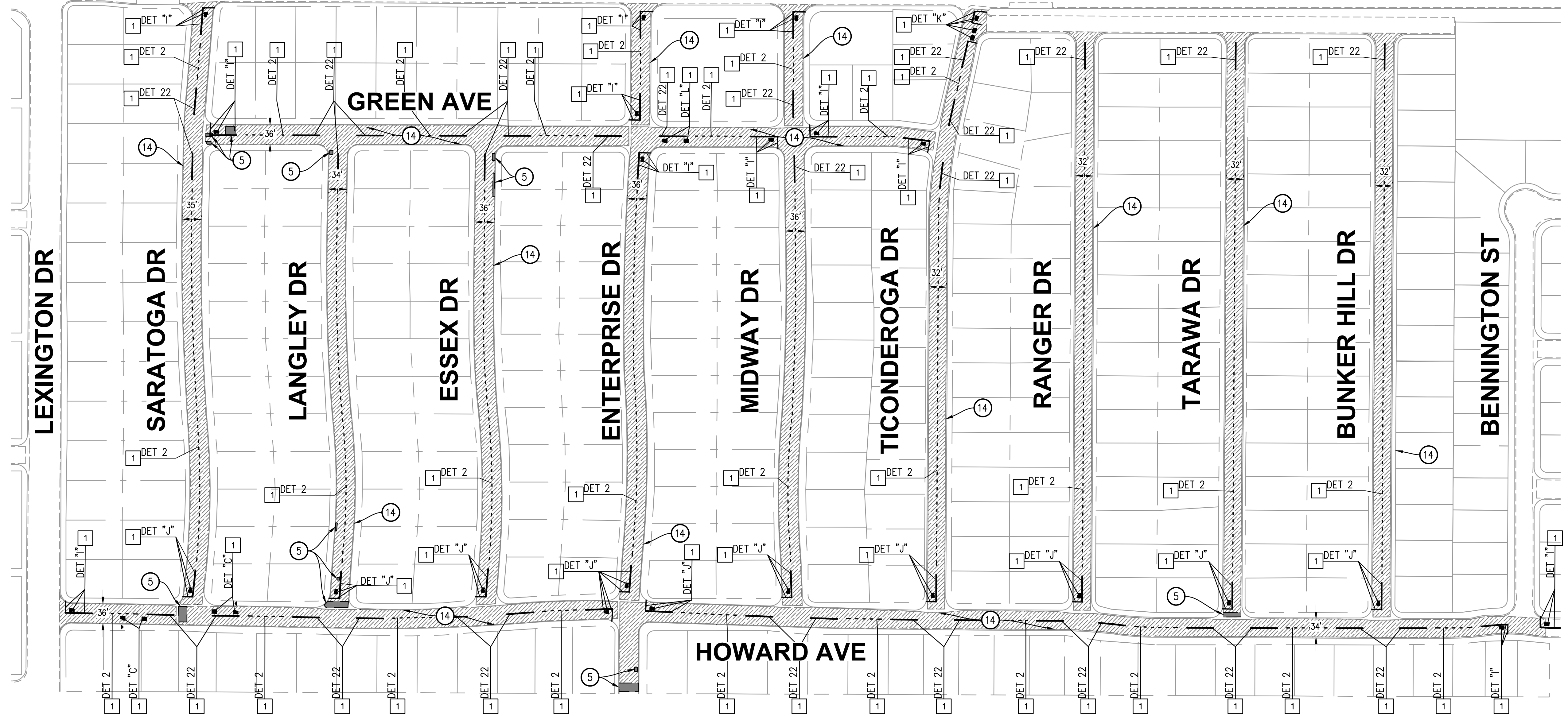
GLACIER CIRCLE FROM SOUTH END TO OLYMPIC DR	CARLSBAD CIRCLE FROM WEST END TO SATELLITE DR	RAINIER CIRCLE FROM NORTH END TO LUNAR DR
VICKSBURG CIRCLE FROM SOUTH END TO OLYMPIC DR	INTERIOR CIRCLE FROM NORTH END TO LUNAR DR	APOLLO CIRCLE FROM EAST END TO LUNAR DR

SHEET 9 OF 10

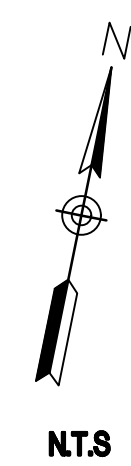
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KATELLA AVE



- CONSTRUCTION NOTES**
- 5 REMOVE EXISTING AC/AB AND CONSTRUCT 6-INCH FULL DEPTH ASPHALT CONCRETE PAVEMENT
 - 14 SEAL CRACKS OVER .25-INCH WIDE AND CONSTRUCT SLURRY SEAL, TYPE 2
- LEGEND**
- REMOVE AND CONSTRUCT 6-INCH THICK AC PAVEMENT
 - SLURRY SEAL



SIGNING AND STRIPING CONSTRUCTION NOTES:

- 1 INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
- 2 REMOVE CONFLICTING STRIPING.

STREET	FROM	TO	LENGTH FT	SLURRY AREA SF	AC AREA SF
Saratoga Drive	Katella Avenue	Howard Avenue	1130	39550	-
Langley Drive	Green Avenue	Howard Avenue	900	30600	569
Essex Drive	Green Avenue	Howard Avenue	860	30960	210
Enterprise Drive	Katella Avenue	South End	1220	43920	620
Midway Drive	Katella Avenue	Howard Avenue	1100	39600	-
Ticonderoga Drive	Katella Avenue	Howard Avenue	1150	36800	-
Ranger Drive	Katella Avenue	Howard Avenue	1090	34880	-
Tarawa Drive	Katella Avenue	Howard Avenue	1100	35200	255
Bunker Hill Drive	Katella Avenue	Howard Avenue	1100	35200	-
Green Avenue	Saratoga Drive	Ticonderoga Drive	1380	49680	375
Howard Avenue	Lexington Drive	Bennington Street	2720	97920	475

BID SCHEDULE A

<p>Know what's below. Call before you dig.</p>	REVISIONS	REFERENCES		<p>WILLDAN Engineering 2001 East Katella Ave. Suite 402, Anaheim, California 92805 714.978.8200 Fax 714.978.8299</p>	DATE	<p>CITY OF LOS ALAMITOS</p> <p>STREET IMPROVEMENTS ON VARIOUS STREETS FY 2022-2023</p> <p>SLURRY SEAL MAP ON VARIOUS STREETS</p>	SHEET 10 OF 10																													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NUMBER</th> <th>DATE</th> <th>INITIALS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NUMBER	DATE	INITIALS															<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>APPR'D</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	APPR'D	DATE			<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>DRAWN BY</td> <td>AM,MT</td> <td>7/2/2024</td> </tr> <tr> <td>CHECKED BY</td> <td>KS</td> <td>7/2/2024</td> </tr> <tr> <td>DESIGNED BY</td> <td>AM,MT,YC</td> <td>7/2/2024</td> </tr> <tr> <td>APPROVED</td> <td> </td> <td>7/2/2024</td> </tr> <tr> <td>City Engineer</td> <td> </td> <td>Date</td> </tr> </tbody> </table>	DRAWN BY	AM,MT	7/2/2024	CHECKED BY	KS	7/2/2024	DESIGNED BY	AM,MT,YC	7/2/2024	APPROVED		7/2/2024
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City Engineer		Date																																		

USER: mtruong DATE: Jul 02, 2024 - 6:34pm FILE: W:\WE-CAL\los alamitos\city\0112154 - los alamitos measure\y900-F58E1901_plans\PL-ROAD-6.dwg