



AGENDA CITY OF HALF MOON BAY

SPECIAL MEETING BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE THURSDAY, JANUARY 13TH, 2022 6:30 P.M.

This agenda contains a brief description of each item to be considered. Those wishing to address the Bicycle and Pedestrian Advisory Committee (BPAC) on any matter not listed on the Agenda, but within the jurisdiction of the BPAC, see *SPECIAL REMOTE MEETING PROTOCOLS* below.

Note: Please Provide a Copy of Prepared Presentations to the Staff

Copies of any written documentation relating to an item of business on the Agenda are on file at City Hall where they are available for public inspection. If requested, the agenda shall be available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132.) Information may be obtained by calling 650-726-8271.

In compliance with the Americans with Disabilities Act, special assistance for participation in this meeting can be obtained by contacting the City Clerk's Office at (650)726-8271. A 48-hour notification will enable the City to make reasonable accommodations to ensure accessibility to this meeting (28 CFR 35.102-35.104 ADA Title II). <http://hmbcity.com/>

SPECIAL REMOTE MEETING PROTOCOLS: This meeting will be held entirely by teleconference. All Committee members and staff will only participate via the Zoom platform using the process described below. The meeting is being conducted pursuant to recent amendments to the teleconference rules required by the Ralph M. Brown Act allowing teleconferencing during a proclaimed state of emergency when local officials have recommended social distancing (AB 361). The purpose of AB 361 is to provide the safest environment for the public, elected officials, and staff while allowing for continued operation of the government and public participation during the COVID-19 pandemic.

*This meeting will be conducted via Zoom Webinar within the Zoom platform. Members of the public are welcome to login into the webinar as Attendees. During any public comment portions, attendees may use the "raise your hand" feature and will be called upon and unmuted when it is their turn to speak. The meeting will also be streamed on Channel 27, on pacificcoast.tv. Please click to join the webinar: <https://us02web.zoom.us/j/85760577093?> or join by phone at (669) 900-9128. At the prompts, enter: **Webinar/Meeting ID: 857 6057 7093. Passcode: 146499***

If you do not have access to join by computer, you may phone in comments to (650) 726-7177, and your comments will be read into the record. Members of the public are welcome to submit comments (in accordance with the three-minute per speaker limit) via email to ssaisi@hmbcity.com prior to the start of the meeting.

I. INTRODUCTION

- a. Roll Call
- b. Review Agenda
- c. Acknowledge 11/4/2021 Meeting Notes

II. PUBLIC FORUM – NON-AGENDA ITEMS

Members of the public are invited to speak about items not on the agenda

III. AGENDA ITEMS

- a. Administrative Items
 - 1. Election of Vice-Chair
- b. Kelly Avenue Crossing improvements (presentation)
- c. Caltrans Multi-Asset Project (presentation)

IV. STAFF ANNOUNCEMENTS

V. ADJOURNMENT



MEETING NOTES CITY OF HALF MOON BAY

REGULAR MEETING BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE THURSDAY, NOVEMBER 4TH, 2021 6:30 P.M.

I. INTRODUCTION

Roll Call:

Present (All): Foldenauer, Olson, Rae-Dupree, Rendon, Schiller, Spink, White

Staff Present: Public Works Director John Doughty, City Engineer Maz Bozorginia

Consultants: Robert Stevens and Julia Harberson, CSW ST2 Engineering Group

The Committee reviewed and approved tonight's agenda. Agenda Item III a. 1 was moved to the end of the meeting. The 9/9/21 BPAC meeting notes were acknowledged.

II. PUBLIC FORUM – NON-AGENDA ITEMS

Attendee Evelyn De Souza asked if there were going to be maps provided for the Poplar Street Traffic Calming and Safety Project item; staff responded yes. Attendee and former BPAC Committee member Paul Gater discussed BPAC's involvement with two projects nearing completion, the Poplar Pedestrian Pathway Project and Highway 1 South, in particular, the separate, demarcated bike lane coming in from the south; this junction is safer now and is the first example of painted bike lanes in the City; he looks forward to seeing more of these clearly marked bike lanes on the Committee's agendas as it moves forward with its priority list; thanked all City staff for explaining the complexities to BPAC and for their efforts in completing that job; wished new BPAC best of luck with the projects identified in the Master Plan years ago.

III. AGENDA ITEMS

The Committee had no changes or comments to the 2022 BPAC schedule.

Poplar Street Traffic Calming and Safety Project: City Engineer Maz Bozorginia provided background information about outreach and the status of funding. Representatives from the City's design team, CSW ST2 led a presentation. Staff answered questions from the committee. Staff answered questions from members of the public, in addition to receiving public comments and discussion.

Main Street Safety Project: Assistant Engineer Jonathan Woo provided a presentation; staff responded to Committee and public questions and comments.

IV. STAFF ANNOUNCEMENTS

The *Safety Barriers Project* is a large project initiated by Caltrans, which looks to implement pedestrian and bicycle safety elements along Highway 1 from Wavecrest Avenue north all the way to Moss Beach. Topographic surveys have already been conducted. This will be a great opportunity to ask Caltrans to address problem spots; the City Engineer will be meeting with Caltrans staff for in-depth conversations about our projects to make sure our designs are well integrated. There will be an opportunity for outreach and public comments as well; there will also be an environmental review process; will let BPAC know when the document is out for public comment. It's a long overdue and necessary project; 2-3 years until construction starts.

Election of the Vice Chair was postponed until the January meeting.

V. ADJOURNMENT

The meeting was adjourned @ 8:03 p.m..

**BUSINESS OF THE BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE
OF THE CITY OF HALF MOON BAY**

AGENDA REPORT

For the meeting of: **January 13, 2022**

TO: Chair and Members of the Bicycle Pedestrian Advisory Committee

VIA: Maziar Bozorginia, City Engineer

FROM: Jonathan Woo, Assistant Engineer

TITLE: **KELLY AVENUE INTERSECTIONS PROJECT**

RECOMMENDATION:

It is recommended for the Committee to provide input to staff on the design of the Kelly Avenue Intersections Project.

BACKGROUND:

The City of Half Moon Bay received various complaints about safety concerns at the intersections of Kelly Avenue and Pilarcitos Avenue, and at Kelly Avenue and Alsace Lorraine Avenue. Speeding, vehicles rolling through stop signs, pedestrian safety, are amongst the main issues that were brought to City Staff's attention. The two intersections of interest are two important locations mentioned for recommendation within the Bicycle and Pedestrian Master Plan. The two intersections are also considered in the safe route to school study conducted in November 2013 by Fehr & Peers. Considering the various safety complaints received regarding these two intersections, the need for improvements at these locations are substantial.

DISCUSSION:

The location of this project is mainly focused on the Kelly Avenue and Pilarcitos Avenue Intersection, and the Kelly Avenue and Alsace Lorraine Avenue Intersection. Minor additions are proposed between the two intersections.

At the intersections of Kelly Avenue and Alsace Lorraine Avenue, scope of work includes the implementation two new high visibility crosswalks to aid pedestrians crossing Kelly Avenue and Alsace Lorraine Avenue. One of the two new crosswalks, specifically the eastern leg of the intersection, will include a raised crosswalk feature to further slow vehicles down to ensure safety for all other modes of transportation. A new curb ramp is proposed to be installed on the northeastern corner of the intersection for ADA accessibility. The existing curb ramp at the southeaster corner of the intersection will be upgraded to an ADA compliant curb ramp.

At the intersection of Kelly Avenue and Pilarcitos Avenue, scope of work includes the implementation of two new high visibility crosswalks on both the northern and eastern legs of the intersection, in addition to refreshing the existing crosswalks on the other two legs. The project also proposes to upgrade the northwestern and northeastern curb ramps in order to comply with ADA Standards. In order to further aid safe pedestrian crossing at the intersection, four rapid-flashing beacons are proposed to be installed to easily alert vehicular and bicycle traffic at the intersection.



Additional scope of work at these two intersections are minor pavement restoration and updating signage in the vicinity. In addition, between the two intersections of interest, the project also proposes to install two speed feedback signs, facing both westbound and eastbound traffic, to make drivers aware of their vehicular speed within the vicinity.

ATTACHMENTS:

1. 50% Design Plans

KELLY AVENUE INTERSECTIONS PROJECT

Bicycle/Pedestrian Advisory Committee Meeting
January 19, 2021

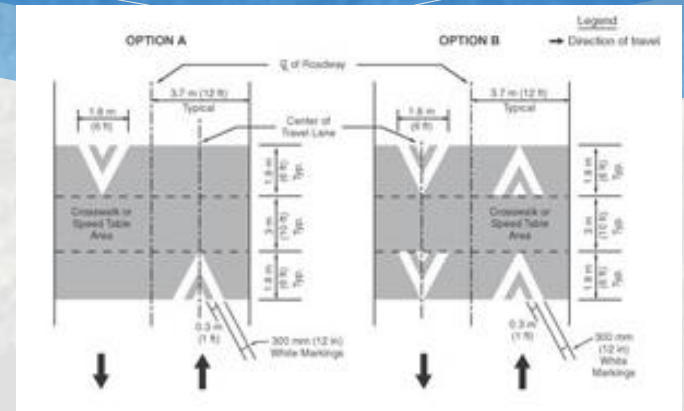


City of Half Moon Bay Bicycle/Pedestrian Advisory Committee

PROJECT IMPORTANCE



1. Pedestrian Safety



3. Traffic Calming

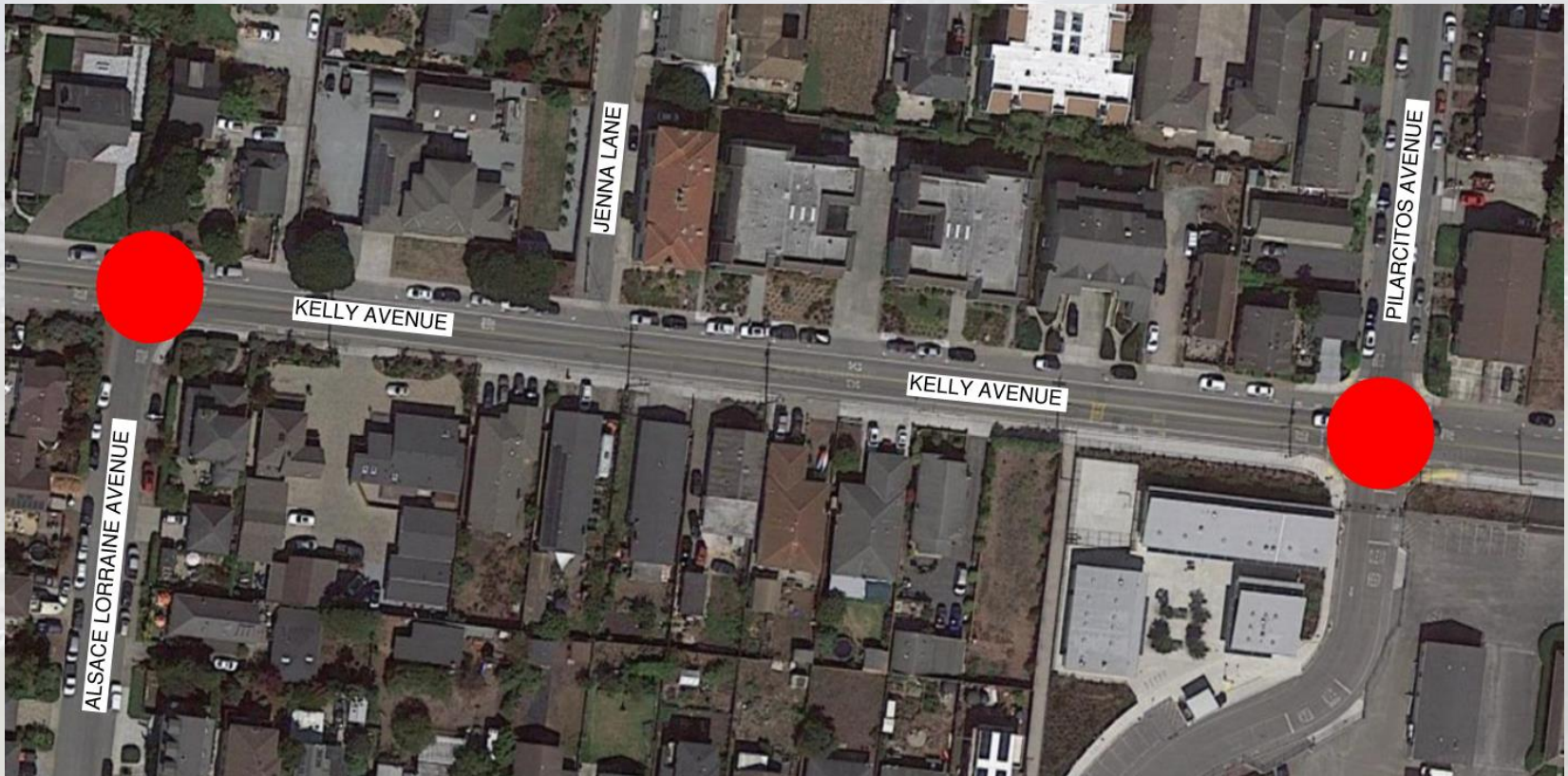


2. Pedestrian Accessibility



PROJECT LOCATION

Kelly Avenue and Pilarcitos Intersection
Kelly Avenue and Alsace Lorraine Intersection



KELLY AND ALSACE LORRAINE

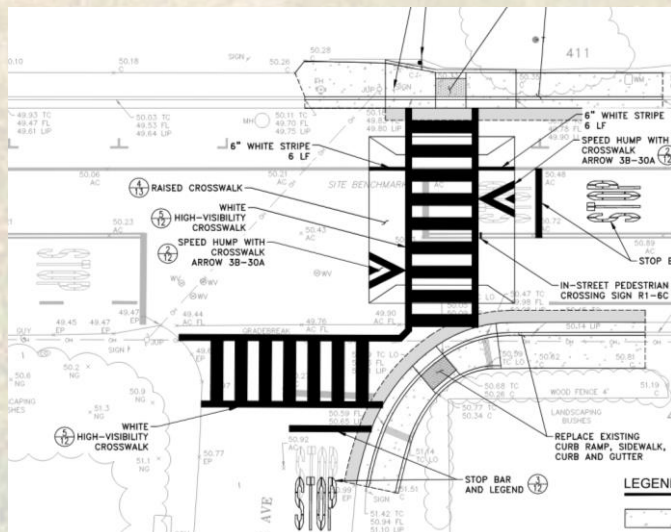


EXISTING

PROPOSED

INTERSECTION IMPROVEMENTS

- High Visibility Raised Crosswalk (Eastern Leg)
- High Visibility Crosswalk (Southern Leg)
- New Curb Ramp (Northeast Corner)
- Upgrade Existing Curb Ramp to ADA Compliance (Southeast Corner)
- Minor Pavement Restoration
- Updated Signage (Removal, Relocate and Install New)

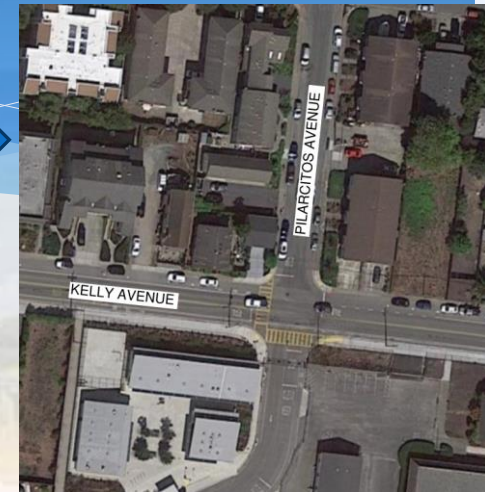


KELLY AND PILARCITOS

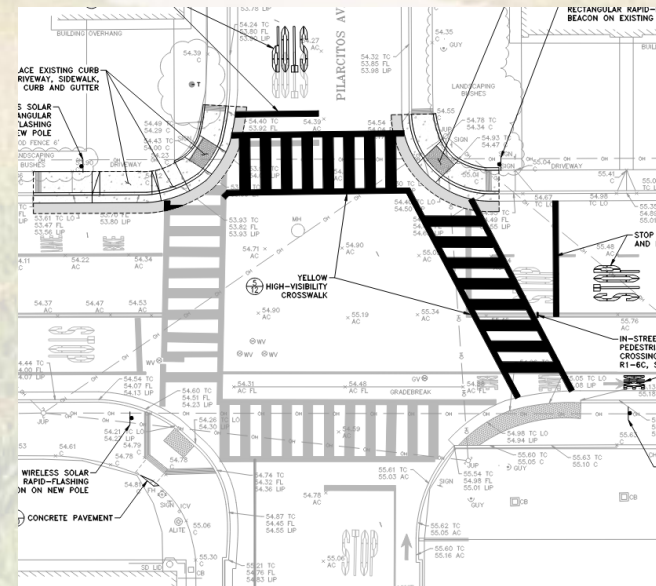
INTERSECTION IMPROVEMENTS

- High Visibility Crosswalks (All Legs)
- Refresh Existing Crosswalks
- Rapid-Flashing Beacons
- Upgrade Existing Curb Ramp to ADA Compliance (Northwest and Northeast Corners)
- Minor Pavement Restoration
- Updated Signage (Removal, Relocate and Install New)

EXISTING



PROPOSED



MID-BLOCK IMPROVEMENTS

Speed Feedback Signs facing both directions of Traffic on Kelly between Alsace Lorraine Avenue and Pilarcitos Avenue.



COMPLETED, REMAINING ITEMS AND TENTATIVE SCHEDULE

COMPLETED ITEMS

50% plans, specs, and estimate



TENTATIVE SCHEDULE

Start = Spring/Summer
2022 (School Breaks)
End = Fall 2022

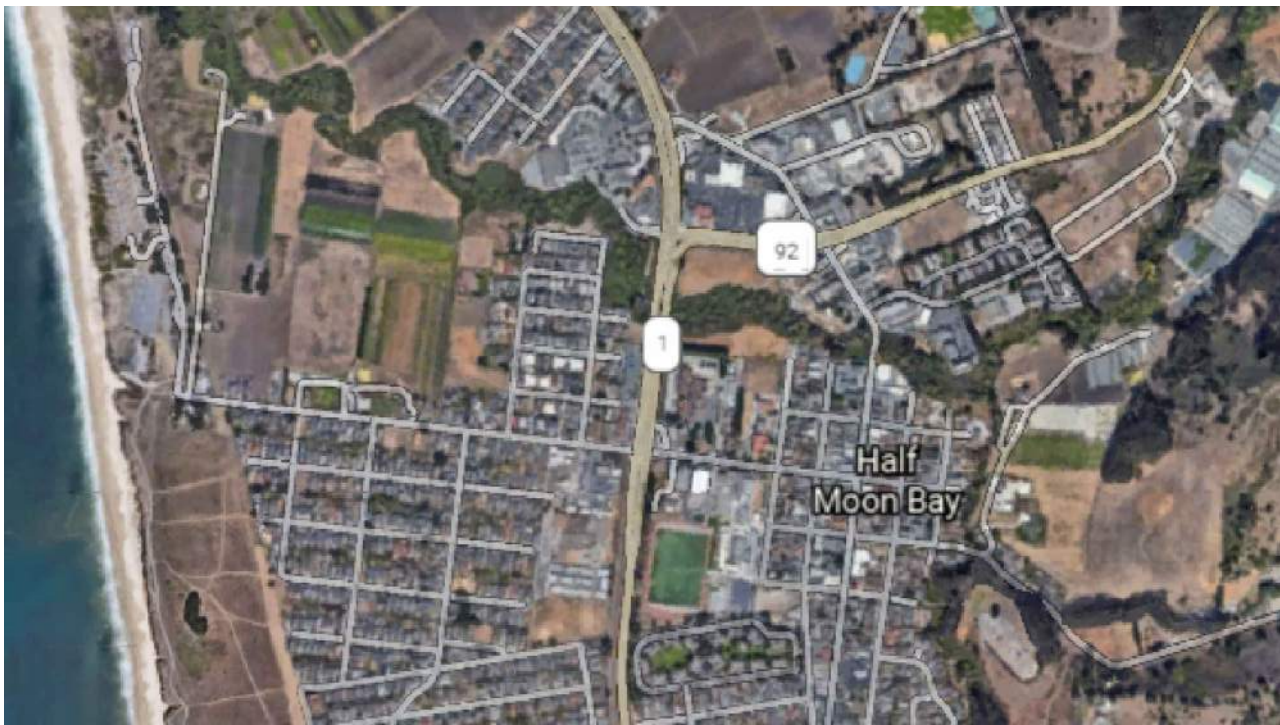


REMAINING ITEMS

- CDP Exemption
- CEQA Exemption
- Final Bid Documents (Plans, Specs and Project Estimate)

ANY QUESTIONS?





VICINITY MAP

NO SCALE

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIAL PROVISIONS, THE CITY OF HALF MOON BAY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, AND CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2018.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE OWNER AND FREYER & LAURETA, INC. HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITY COMPANIES AND TO OBTAIN ANY PERMITS REQUIRED BY THE CITY OF HALF MOON BAY AND OTHER AGENCIES IN ORDER TO DO THE WORK SHOWN ON THESE PLANS.
- THE CITY ENGINEER SHALL BE NOTIFIED IN WRITING FIVE (5) DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL GIVE THE CITY OF HALF MOON BAY ENGINEERING DEPARTMENT AT LEAST THREE (3) WORKING DAYS ADVANCE NOTICE PRIOR TO BEGINNING OF ACTUAL WORK AND ALL REQUIRED INSPECTION REQUESTS, AT (650) 558-7230.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES AND TOPOGRAPHIC FEATURES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE TRUE LOCATION OF ALL EXISTING UTILITIES RELATIVE TO THE TOPOGRAPHIC FEATURES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, BUILDINGS AND WALLS. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES THAT WILL BE AFFECTED BY THE WORK TO OBTAIN ASSISTANCE IN LOCATING EXISTING MAINS AND SERVICE CONNECTIONS. A LIST OF MAJOR UTILITY COMPANIES WITH KNOWN EXISTING UNDERGROUND UTILITIES IN THE AREA IS:

UTILITY COMPANY	UTILITY	TELEPHONE NO.
PG&E	GAS	800-743-5000
PG&E	ELECTRIC	800-743-5000
AT&T	TELEPHONE	800-924-9420
COMCAST	TELECOM	800-391-3000
COASTSIDE COUNTY WATER DISTRICT	WATER	650-726-4405
CITY OF HALF MOON BAY	SANITARY SEWER & STORM	650-726-8270

PRIOR TO ANY DIGGING CALL U.S.A. (800) 642-2444 or 811 48 HOURS IN ADVANCE TO HAVE EXISTING UNDERGROUND FACILITIES MARKED.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OPERATION WITH ALL THE UTILITIES COMPANIES WHICH ARE TO RELOCATE OR INSTALL THEIR UTILITIES TO ACHIEVE AN EFFICIENT SCHEDULE OF OPERATIONS THAT DOES NOT DELAY CONSTRUCTION.
- AS PART OF THEIR PRE-BID INSPECTION, BIDDERS SHALL VISIT THE SITE AND NOTE THE TYPE AND LOCATION OF OVERHEAD UTILITIES IN THE PROPOSED WORK AREA. BIDDERS PRICE SHALL INCLUDE PROVISIONS FOR WORKING IN AREAS WHERE OVERHEAD UTILITIES EXIST AT THE TIME OF BIDDING, WHETHER SHOWN ON THE PLAN OR NOT, AND NO ADDITIONAL COMPENSATION IS ALLOWED.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY DISCREPANCIES OR UNUSUAL CONDITIONS ASSOCIATED WITH THE PLANS, DETAILS OR CONSTRUCTION NOTES FIVE (5) DAYS PRIOR TO FINALIZATION OF BIDS AND COMMENCEMENT OF ANY CONSTRUCTION.

CITY OF HALF MOON BAY SAN MATEO COUNTY, CALIFORNIA KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT CITY PROJECT NO. XXX

SEE SHEET 3 FOR LOCATION MAP

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT
BMP'S	BEST MANAGEMENT PRACTICES
BW	BACK OF WALK
BS	BOTTOM OF STAIR
CA	CALIFORNIA
CB	CATCH BASIN
CDF	CONTROLLED DENSITY FILL
CIPP	CURED-IN-PLACE PIPE
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CS	CLASS
CULV	CULVERT
DET	DETAIL
DIP	DUCTILE IRON PIPE
DWY	DRIVEWAY
E	ELECTRIC
EL	ELEVATION
EX OR (E)	EXISTING
EV	ELECTRIC VEHICLE
FC	FACE OF CURB
FL	FLOW LINE
FP	FINISHED PAVEMENT
FTG	FOOTING
FW	FRONT OF WALK
GB	GRADE BREAK
HP	HIGH POINT
INV	INVERT ELEVATION
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
LF	LINEAR FEET
LG	LIP OF GUTTER
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
OC	ON CENTER
OPP	OPPOSITE
PERF	PERFORATED
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RT	RIGHT
S	SLOPE
SD	STORM DRAIN
SDCB	STORM DRAIN CATCH BASIN
SF	SQUARE FEET
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
STA	STATION
STD	STANDARD
T	TELEPHONE
TC	TOP OF CURB
TL	TOP OF LIP
TOF	TOP OF FOOTING
TOW	TOP OF WALL
TP	TELEPHONE CONDUIT ELEV.
TS	TOP OF STAIR
TYP (TYP)	TYPICAL
UNK.	UNKNOWN
VCP	VITRIFIED CLAY PIPE
VERT.	VERTICAL
VIF	VERIFY IN FIELD
W	WATER

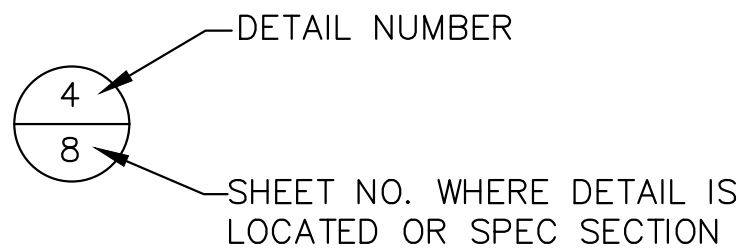
SHEET INDEX:

1	TITLE SHEET & GENERAL NOTES
2	GENERAL NOTES
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8-9	SURFACE IMPROVEMENTS
10	CURB RAMP IMPROVEMENTS
11-14	DETAILS
15	BEST MANAGEMENT PRACTICES

LEGEND

	STORM DRAIN TO BE INSTALLED		PROPOSED STORM DRAIN INLET
	EXISTING STORM DRAIN		PROPOSED STORM DRAIN MANHOLE
	EXISTING SANITARY SEWER		EXISTING JOINT POLE/ POWER POLE
	EXISTING GAS LINE		EXISTING GAS VALVE
	EXISTING ELECTRICAL LINE OVER HEAD		EXISTING WATER VALVE
	EXISTING WATER LINE		EXISTING WATER METER
	EXISTING CITY LIMITS LINE		EXISTING CLEAN OUT
	ROLLED CURB AND GUTTER		EXISTING FIRE HYDRANT
	CURB AND GUTTER		EXISTING SEWER / STORM DRAIN MANHOLE
	ABANDONED WATER LINE		EXISTING ELECTRICAL PULL BOX
			EXISTING CATCH BASIN
			TRAFFIC SIGN

DETAIL CALL-OUT



TWO DAYS BEFORE YOU DIG
CALL USA TOLL FREE
800-642-2444
OR 811



APPROVED BY:
CITY OF HALF MOON BAY

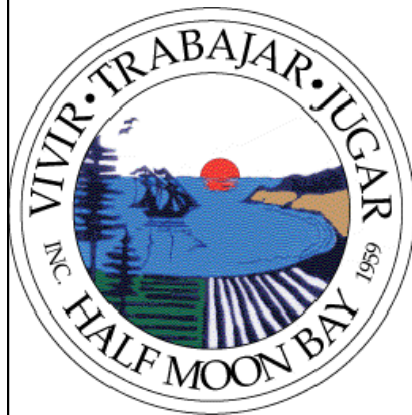
MAZIAR BOZORGINIA
CITY ENGINEER

DATE

KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT

TITLE SHEET

Half Moon Bay, CA



City of
Half Moon Bay

501 Main Street
Half Moon Bay
CA 94019

p 650-726-7177
f 650-726-8261
hmbcity.com

REVISIONS	BY
DATE	11-16-2021
SCALE	AS SHOWN
DRAWN	JLB/LFH
JOB NO.	276004
DWG	
SHEET	1
OF 14 SHEETS	

CONSTRUCTION NOTES:

- THE FOLLOWING CONTROL MEASURES FOR CONSTRUCTION ACTIVITIES SHALL BE ADHERED TO, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL THE CITY OFFICE AT (650)726-8285 FOR INSPECTION 24 HOURS PRIOR TO PERFORMING ANY WORK. WORK PERFORMED WITHOUT CALLING FOR INSPECTION SHALL BE REJECTED AND SHALL BE REMOVED SOLELY AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL SATISFY HIMSELF/HERSELF THAT ESTIMATED QUANTITIES SHOWN ARE CORRECT BEFORE BIDDING ON ANY ITEM.
 - ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW CUT AND REMOVED TO CLEAN STRAIGHT LINES. HEADER CUTS MAY BE PROVIDED ADJACENT TO SAWCUTS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY EXCESS MATERIALS FROM THE WORK SITE.
 - EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT RUNOFF TO PUBLIC ROADWAY DRAINAGE FACILITIES, ADJACENT PROPERTIES AND THE SAN FRANCISCO BAY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES ON OR OFF THE PROJECT SITE AS A RESULT OF LACK OF DUST CONTROL.
 - DURING THE PROGRESS OF THE CONSTRUCTION WORK THE CONTRACTOR SHALL MAINTAIN THE PREMISES IN A NEAT AND CLEAN CONDITION, DISPOSING OF REFUSE IN A SATISFACTORY MANNER AS OFTEN AS DIRECTED OR AS MAY BE NECESSARY SO THAT THERE SHALL BE AT NO TIME ANY UNSIGHTLY ACCUMULATION OF RUBBISH AT THE JOB SITE.
 - CONTRACTOR TO ADHERE TO ALL REQUIREMENTS OF THE SAN MATEO COUNTY HEALTH SERVICES AGENCY.
 - STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WILL NOT BE ALLOWED IN OR UPON THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS INTENDED FOR USE ON ANY PROJECT SHALL BE OFF LOADED DIRECTLY FROM DELIVERY VEHICLES AND PLACED AS REQUIRED DURING THE COURSE OF CONSTRUCTION. SHOULD THE PERMIT HOLDER OR SUB- CONTRACTORS WISH TO STOCKPILE MATERIALS NEAR THE WORK SITE, THEY SHALL MAKE ARRANGEMENTS IN ADVANCE FOR STORAGE. ALL STORAGE SITES SHALL BE SECURE, INACCESSIBLE TO THE GENERAL PUBLIC AND KEPT FREE OF CONSTRUCTION SPOILS, DEBRIS AND TRASH AT ALL TIMES STORAGE SITES SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE CITY ENGINEER. CONTRACTOR SHALL COORDINATE WITH THE CITY TO FIND AN APPROPRIATE LOCATION FOR STOCKPILING AND PROTECTING MATERIALS DURING CONSTRUCTION.
 - CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
 - THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY & TRAFFIC CONTROL.
 - THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.
 - THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY SOIL OR WATER CONTAMINATION NOTICED DURING CONSTRUCTION TO THE CITY OF HALF MOON BAY FIRE DEPARTMENT HAZARDOUS MATERIALS DIVISION, THE SAN MATEO COUNTY DEPARTMENT OF HEALTH, AND THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SITE OR SURROUNDING AREA DUE TO DUST OR EROSION, RESULTING FROM WORK DONE BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE A SEVEN (7) DAY PHONE NUMBER TO RECEIVE AND RESPOND TO DUST COMPLAINTS RESULTING FROM ALL CONSTRUCTION OPERATIONS AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE. ALL BUSINESSES AND RESIDENTS WITHIN 300' OF THE PROJECT SHALL BE NOTIFIED BY THE CONTRACTOR BY MAIL WITH INFORMATION AND COMPLAINT LINES TO BE CALLED.
 - CONTRACTOR IS TO MAINTAIN ALL JOB SITE FACILITIES UNTIL ACCEPTED BY THE CITY.
 - ALL EXCAVATION SPOILS SHALL BE PLACED DIRECTLY INTO TRUCKS AND DISPOSED OF AT AN APPROVED DUMPSITE.
 - CONSTRUCTION HOURS IN THE CITY PUBLIC RIGHT-OF-WAY ARE LIMITED TO WEEKDAYS AND NON-CITY HOLIDAYS BETWEEN 8:00AM TO 5:00PM.
 - CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED OR DISRUPTED STRIPING IN-KIND.
 - PETROMAT MAY BE FOUND IN THE AC. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL.
 - ALL CURB AND GUTTER REPLACED SHALL HAVE A 2 FOOT SAWCUT CONFORM, UNLESS OTHERWISE NOTED ON PLANS.
 - SURVEY ELEVATIONS SHOWN ARE BASED ON ASSUMED BENCHMARKS. ELEVATIONS DO NOT RELATE TO SEA LEVEL.
 - CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE UTILITY FEATURES FOR ASPHALT AND CONCRETE REPAVING. UPON COMPLETION, UTILITY FEATURES SHALL BE SET FLUSH WITH NEW SURFACE GRADE. ADJUSTMENT OF ALL EXISTING SURFACE UTILITY FEATURES SHALL BE INCLUDED IN CONTRACTORS PRICE WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLANS.
 - CONTRACTOR SHALL ACCOUNT FOR NECESSARY GROUNDWATER CONTROL.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY SURVEYING MONUMENT OR GROUNDWATER MONUMENTS WITHIN PROJECT AREA, AND FURTHER, THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR RESETTING MONUMENTS DAMAGED OR DESTROYED BY THE CONSTRUCTION OPERATIONS INCLUDING FILING THE CORNER RECORD(S) AS REQUIRED BY LAW.
 - PAVEMENT GRINDINGS MAY CONTAIN FABRIC, ENGINEERED PAVING MAT, OR OTHER CONTAMINATED MATERIALS. IT IS YOUR RESPONSIBILITY TO REMOVE AND DISPOSE OF THESE MATERIALS ALONG WITH THE GRINDING SPOILS. THERE WILL BE NO ADDITIONAL COMPENSATION ALLOWED.

UNDERGROUND NOTES:

- SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION. WHERE SUBGRADE CAN NOT BE COMPACTED TO 95% REMEDIAL METHODS SHOWN SHALL BE INCORPORATED IN THE WORK.
- WHERE UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED, REMEDIAL WORK TO BE DONE UNDER THE DIRECTION OF THE CITY ENGINEER, INCLUDES BUT IS NOT LIMITED TO, REMOVING UNSUITABLE MATERIAL AND PLACING A LAYER OF GEOTECHNIC FABRIC AND CLASS 2 AGGREGATE BASE COMPACTED TO 95% UNDER THE INSTALLATION.
- OVER-EXCAVATED SUBGRADE FOR GUTTER OR SIDEWALK SHALL BE BACK-FILLED WITH CLASS 2 AGGREGATE BASE MATERIAL.
- EXISTING CONCRETE SHALL BE REMOVED AT EXPANSION OR WEAKENED PLANE JOINTS BY SAWCUTTING.
- SAW CUTS MUST BE FULL DEPTH.
- NEW WORK SHALL MATCH EXISTING IN SCORE AND COLOR.
- SUBGRADE SHALL BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE.
- SEE PROJECT SPECIFICATIONS FOR CONCRETE TYPE AND FINISHES.
- CONCRETE SHALL HAVE A SLUMP OF NOT MORE THAN 4 INCHES.
- NO ADMIXTURES SHALL BE USED WITHOUT THE PERMISSION OF THE CITY ENGINEER.
- 1/2-INCH THICK EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF DRIVEWAY APPROACHES, CURB, GUTTER AND SIDEWALK RETURN POINTS AND AT 20' FEET ON CENTER.
- WEAKENED PLANE JOINTS AT LEAST 1-1/2 INCHES DEEP SHALL BE PLACED AT THE CENTER OF DRIVEWAYS AND 20' ON CENTER.
- 1/4-INCH DEEP SCORE MARKS SHALL BE PLACED AS DESCRIBED IN THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE CITY ENGINEER.
- NO CONCRETE SHALL BE PLACED UNTIL THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE HAS INSPECTED AND APPROVED FORMS AND SUBGRADE.
- ALL EXPOSED EDGES SHALL BE ROUNDED WITH 1/2-INCH RADIUS TOOL.
- ALL SURFACES SHALL BE BROOM FINISHED FOR CURB AND GUTTER. REFER TO PROJECT SPECIFICATIONS FOR FLATWORK AND OTHER CONCRETE IMPROVEMENTS FINISHES.
- CURBS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE BACK FILLED WITHIN 7 DAYS AFTER PLACING CONCRETE. THIS SHALL INCLUDE ANY REQUIRED AC PATCHWORK.
- FORM FACES SHALL NOT VARY FROM THE DIMENSIONS SHOWN BY MORE THAN .02 FEET. FORMS SHALL MEET GRADE.
- UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS, CONCRETE SHALL BE CURED BY MEANS OF THE IMPERVIOUS MEMBRANE METHOD.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A STATE LICENSED "CLASS A" CONTRACTOR. A CONCRETE CONTRACTOR WITH A "C" LICENSE MAY PERFORM CONCRETE FLAT WORK.
- A MINIMUM OF 12" OF ASPHALT SHALL BE REMOVED ALONG THE GUTTER LIP FOR THE INSTALLATION OF FORMS. FOR CURB AND GUTTER INSTALLATIONS AC SHALL BE BROUGHT TO FINISH GRADE OF FORMS AND TRANSITIONED AS REQUIRED BY THE CITY ENGINEER.
- ALL ASPHALT REPAIRS SHALL BE FLUSH WITH THE ADJACENT SURFACES AT CONFORMS AND EDGES. MAXIMUM ALLOWABLE TOLERANCES SHALL BE .01' LONGITUDINALLY AND .02' TRANSVERSELY.
- ALL DRIVEWAYS, CURB AND GUTTER, AND SIDEWALK REPLACEMENTS SHALL BE PER CITY STANDARDS. CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THESE DETAILS FOR PROPER BIDDING AND INSTALLATION.

CONCRETE GENERAL NOTES:

- LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES SHOWN ARE BASED ON AVAILABLE UTILITY COMPANY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) AT 811 AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATING.
- PHYSICAL VERIFICATION OF UTILITY LOCATION SHALL BE PERFORMED BY POT HOLING OR HAND DIGGING AND CAREFUL SUBSURFACE PROBING IN CONFORMANCE WITH ARTICLE 6 OF THE CAL/OSHA CONSTRUCTION SAFETY ORDERS. ANY DEVIATIONS FROM LOCATIONS SHOWN ON PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE STARTING CONSTRUCTION.
- EXISTING UTILITIES ARE SHOWN PER AVAILABLE INFORMATION. THERE MAY BE ADDITIONAL EXISTING LINES NOT SHOWN ON THE PLANS. CONTRACTOR SHALL BE CAREFUL TO AVOID ANY DAMAGE TO THESE UTILITY SERVICES.
- ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE CITY ENGINEER AND THE UTILITY OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
- MAIN UTILITIES, OTHER THAN WATER, SANITARY SEWER, AND STORM IN CONFLICT WITH THE WORK WILL BE RELOCATED BY OTHERS. WATER MAINS, SANITARY SEWER MAINS, STORM DRAINS AND THEIR SERVICES REQUIRED TO BE TEMPORARILY OR PERMANENTLY RELOCATED FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL BE RELOCATED BY THE CONTRACTOR.
- NOTIFY PG&E SEVEN CALENDAR DAYS PRIOR TO PROCEEDING WITH WORK WITHIN 5 FEET OF THEIR FACILITIES.

KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT

GENERAL NOTES

Half Moon Bay, CA

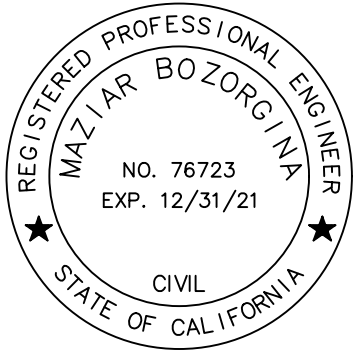


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JOB NO.	276004
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OF 14 SHEETS	



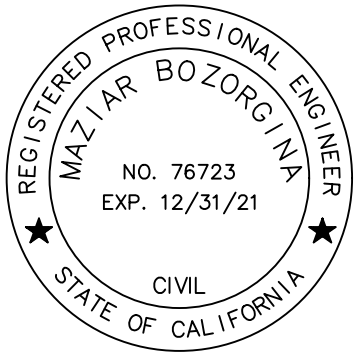
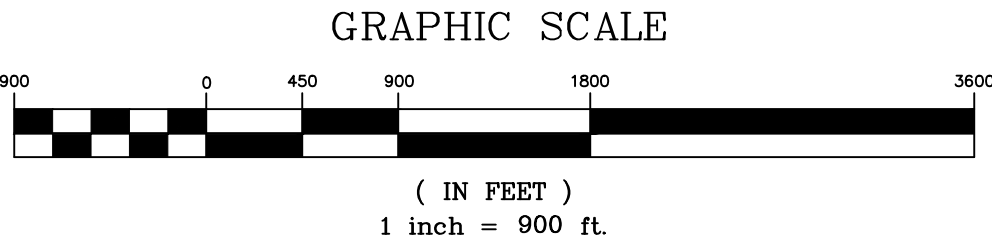
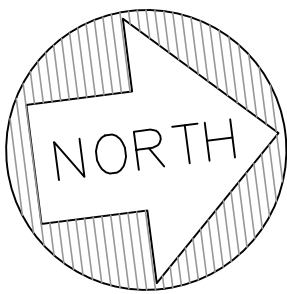
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DATE

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HALF MOON BAY



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KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT

LOCATION MAP

Half Moon Bay, CA

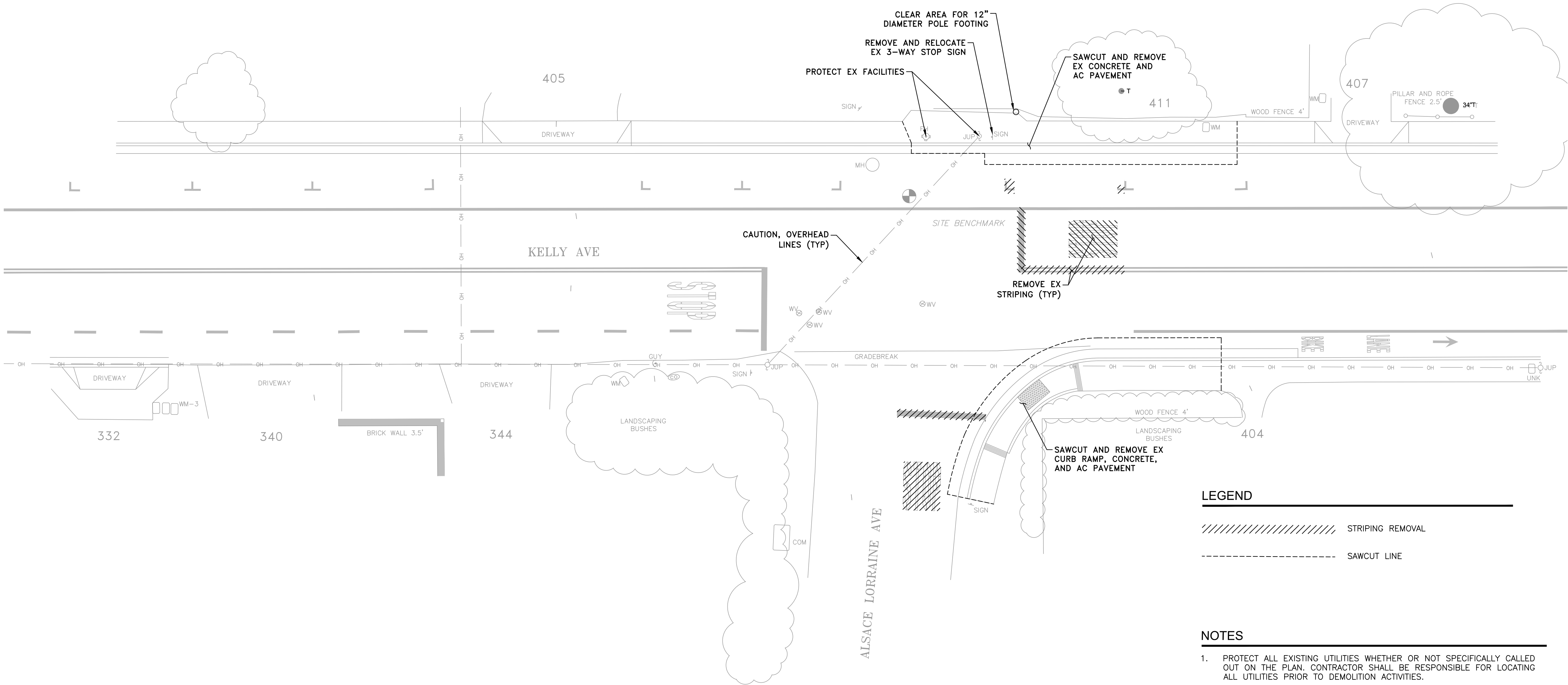


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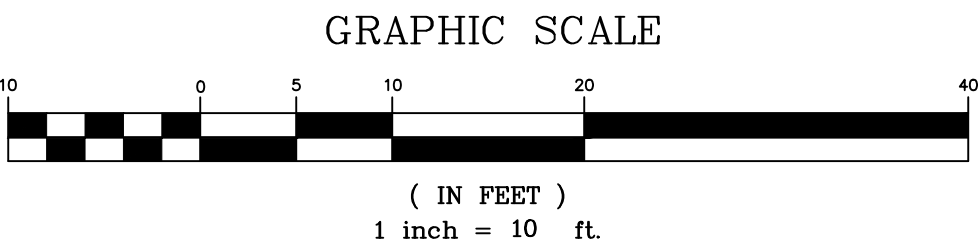
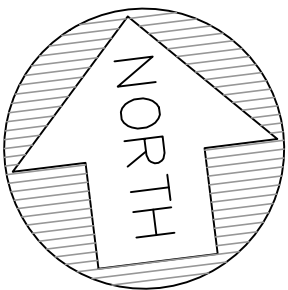


LEGEND

- Striping Removal
- Sawcut Line

NOTES

- PROTECT ALL EXISTING UTILITIES WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLAN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
- IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER ANY ITEMS WITHIN THE AREA OF WORK THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS.
- ALL ITEMS NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHALL BE PROTECTED IN PLACE BY THE CONTRACTOR.
- STRIPING SHALL BE REMOVED BY GRINDING, WATER BLASTING, OR ANY METHOD APPROVED BY THE CITY.



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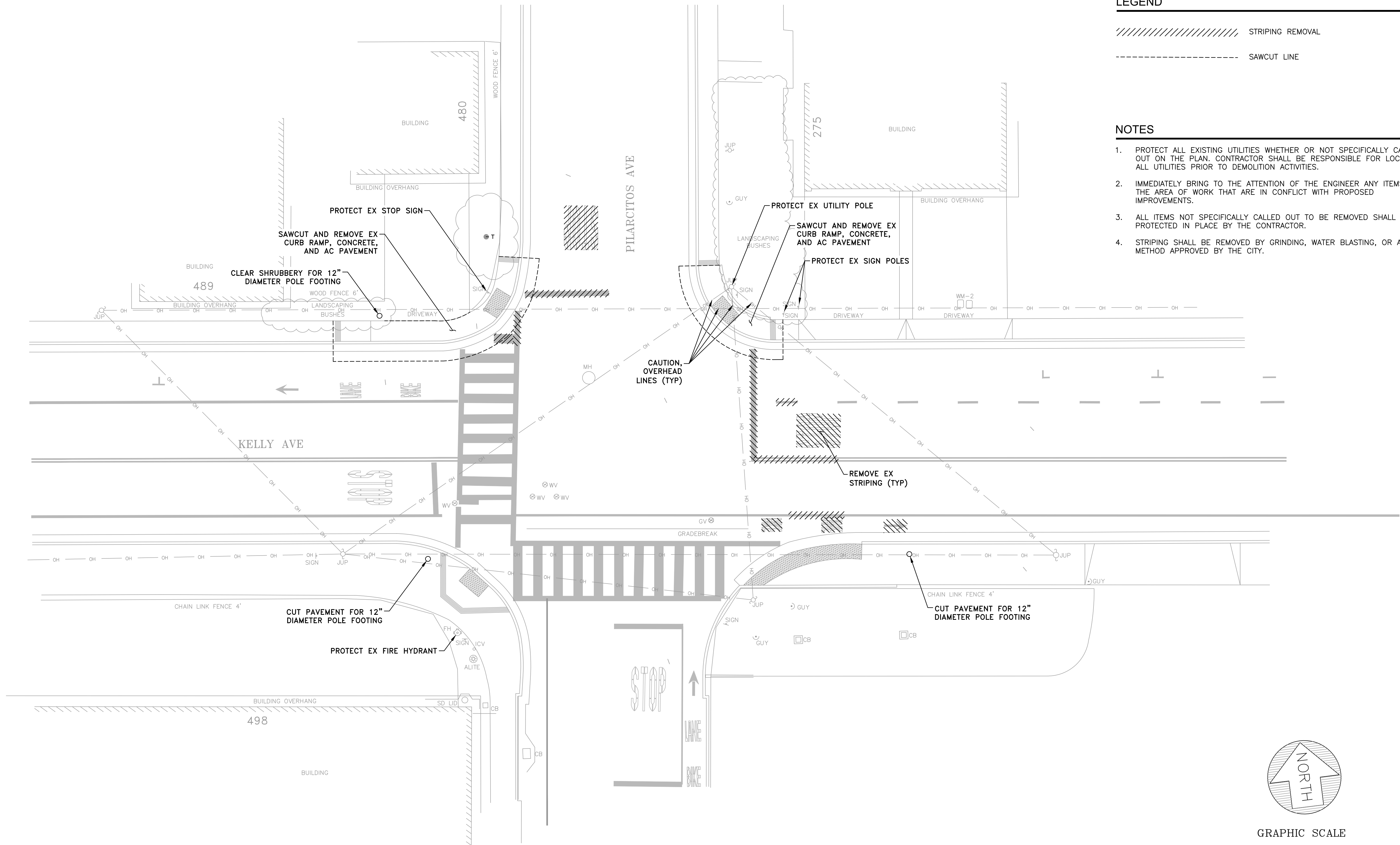
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LEGEND

- Striping Removal
- Sawcut Line

NOTES

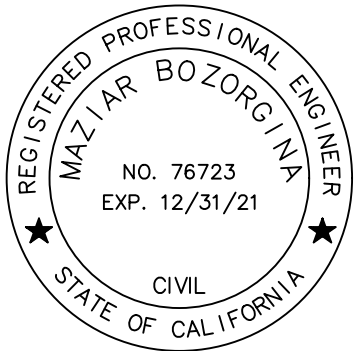
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Kelly Avenue Intersections Improvement Project
Demolition Plan
Half Moon Bay, CA



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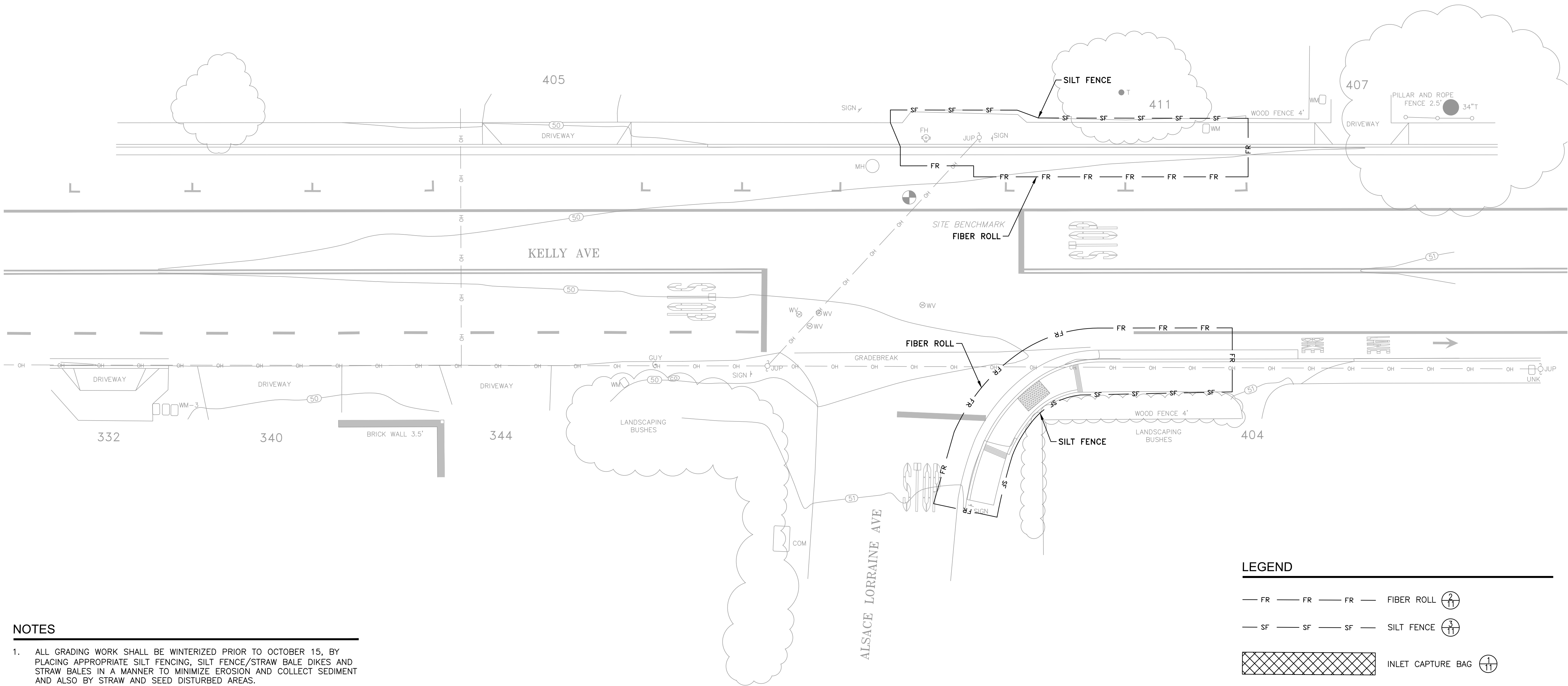
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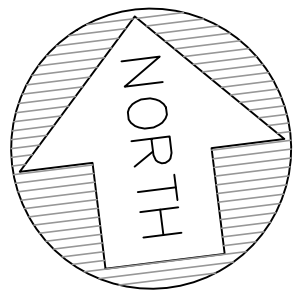


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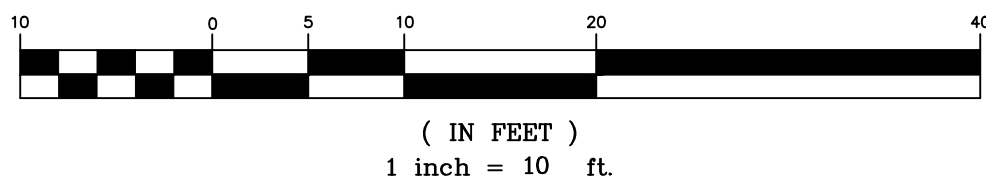
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- THIS PLAN IS INTENDED FOR EROSION CONTROL ONLY. OTHER INFORMATION SHOWN HEREIN MAY NOT BE THE MOST CURRENT. SEE GRADING PLAN FOR OTHER INFORMATION.
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LEGEND

- FR FR FR FIBER ROLL ②
- SF SF SF SILT FENCE ③
- INLET CAPTURE BAG ①



GRAPHIC SCALE



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CITY OF HALF MOON BAY

MAZIAR BOZORGINIA
CITY ENGINEER

DATE



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KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT EROSION CONTROL PLAN Half Moon Bay, CA

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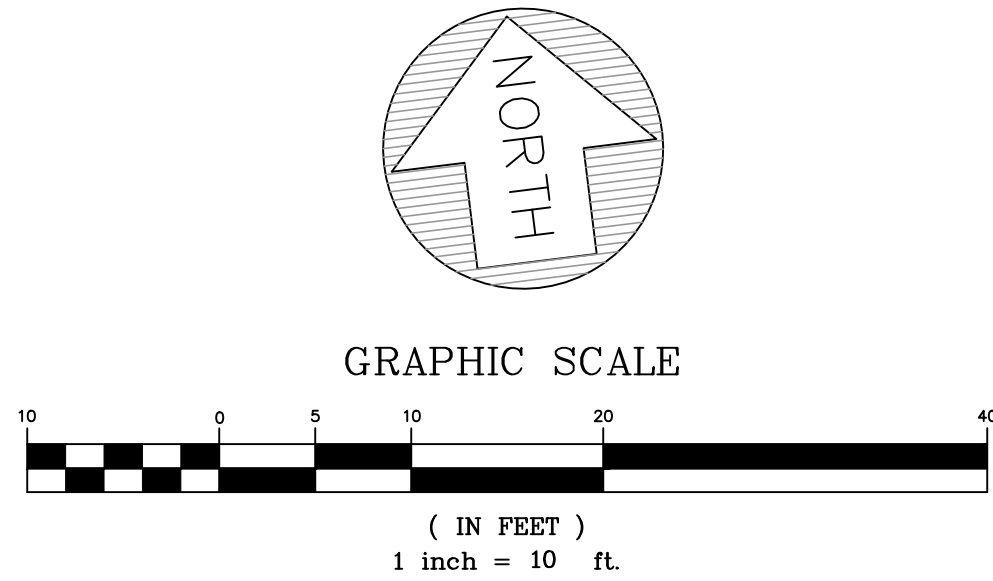
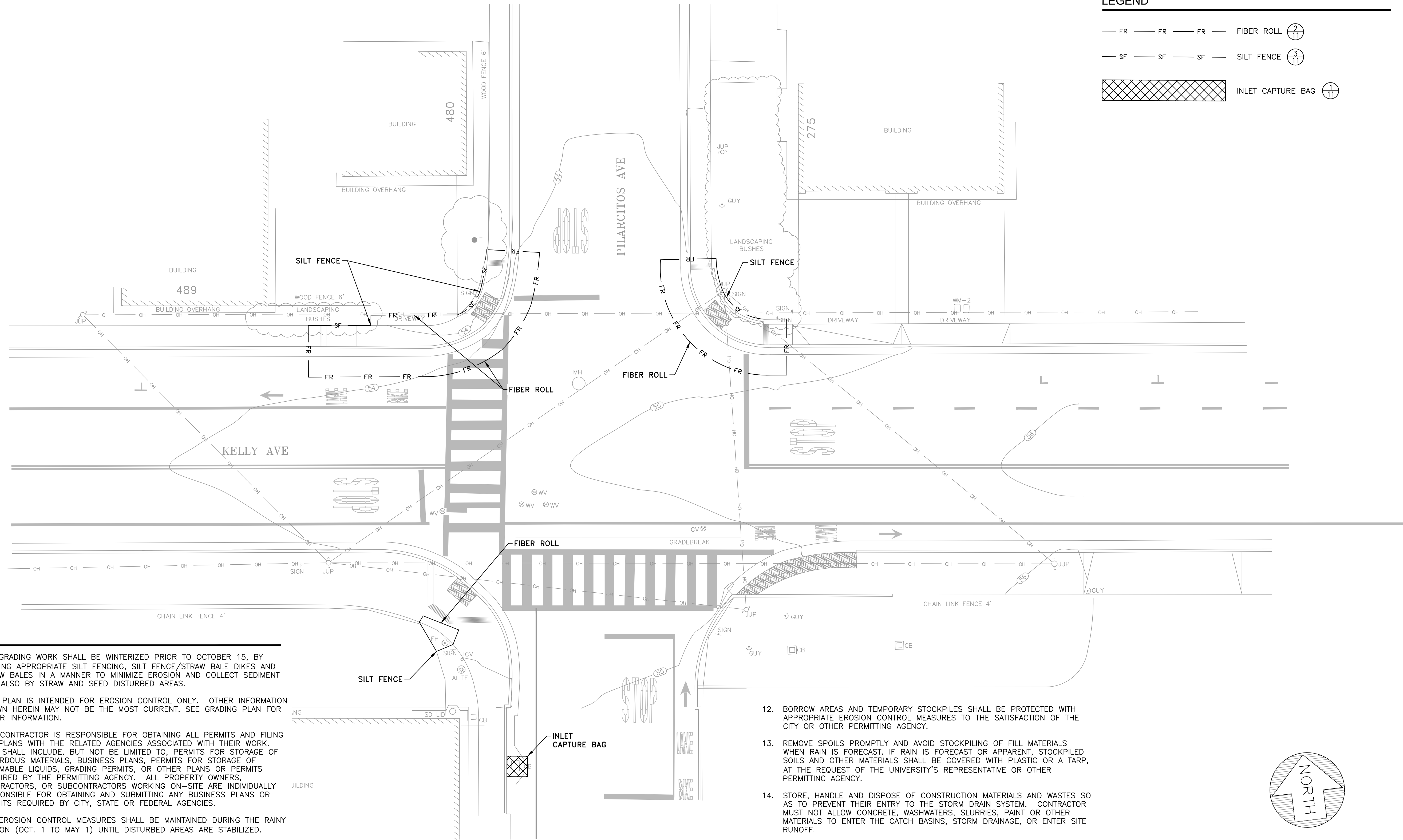
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LEGEND

- FR FR FR FIBER ROLL
- SF SF SF SILT FENCE
- INLET CAPTURE BAG



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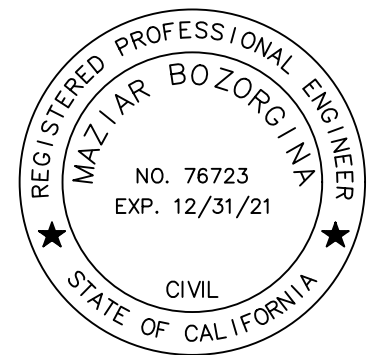
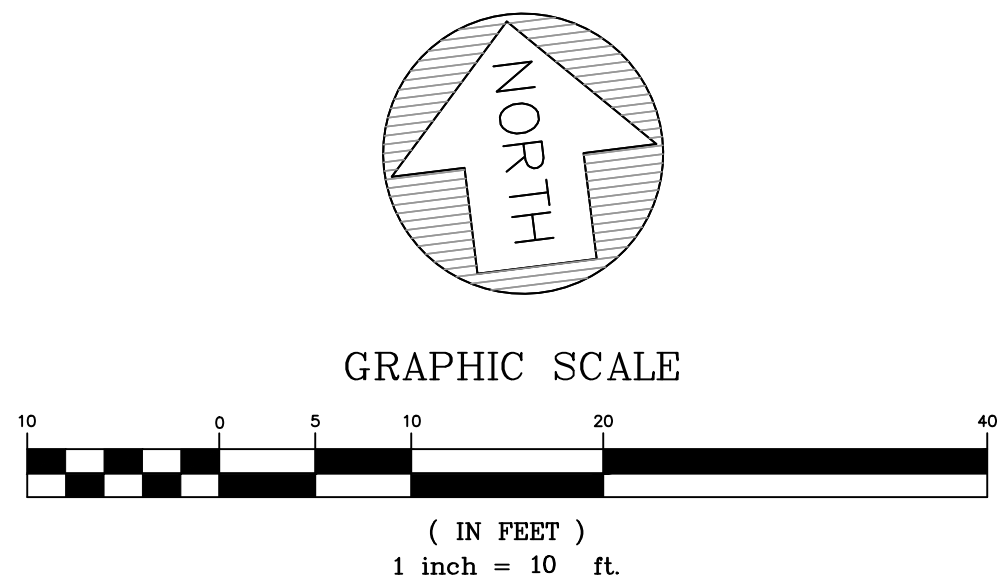
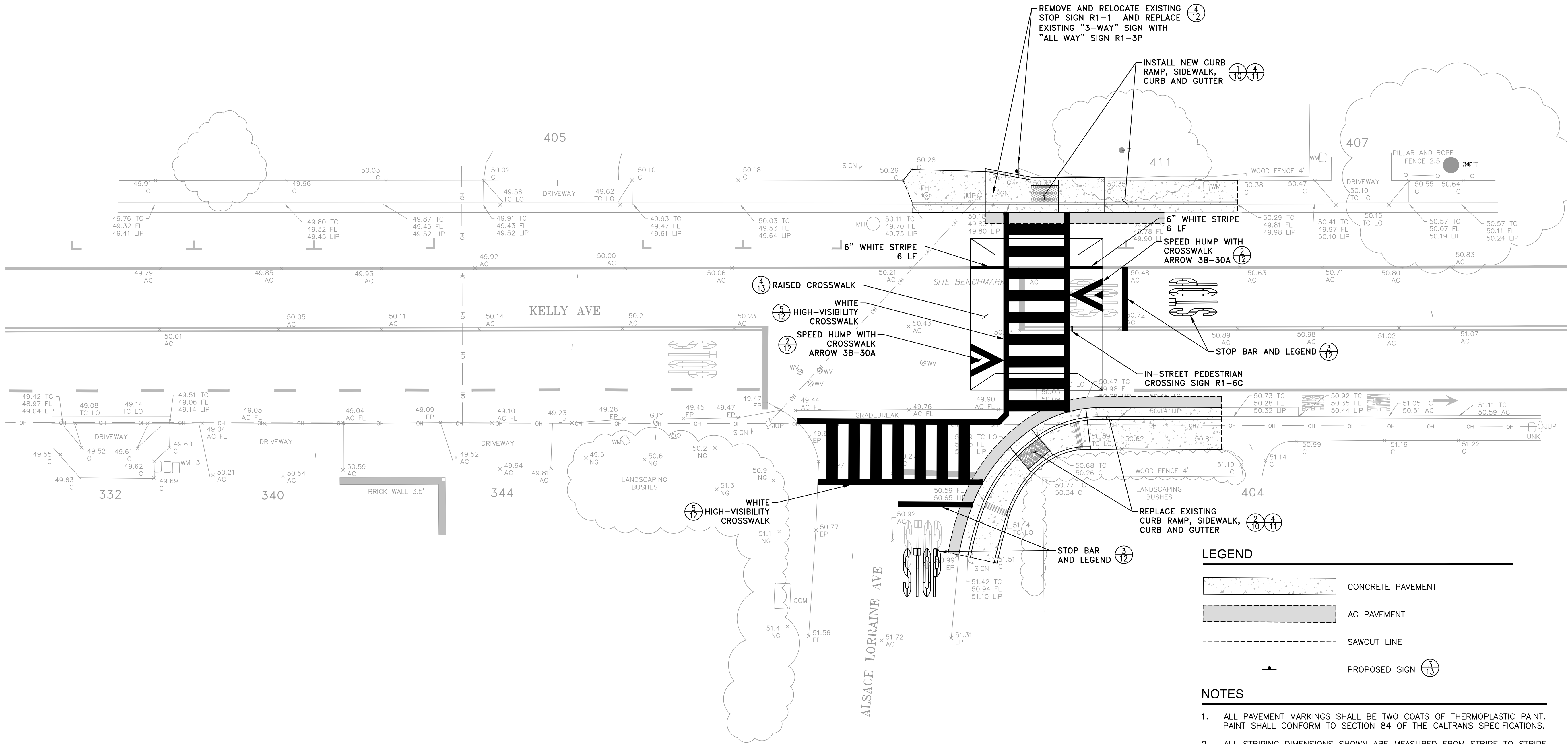
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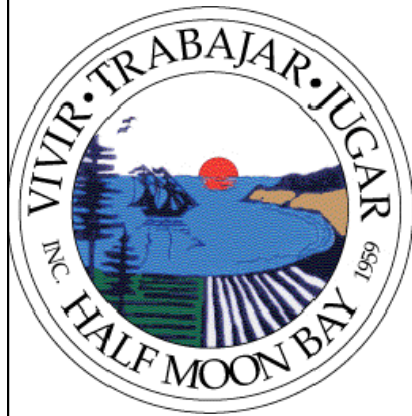
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KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT

SURFACE IMPROVEMENTS

Half Moon Bay, CA



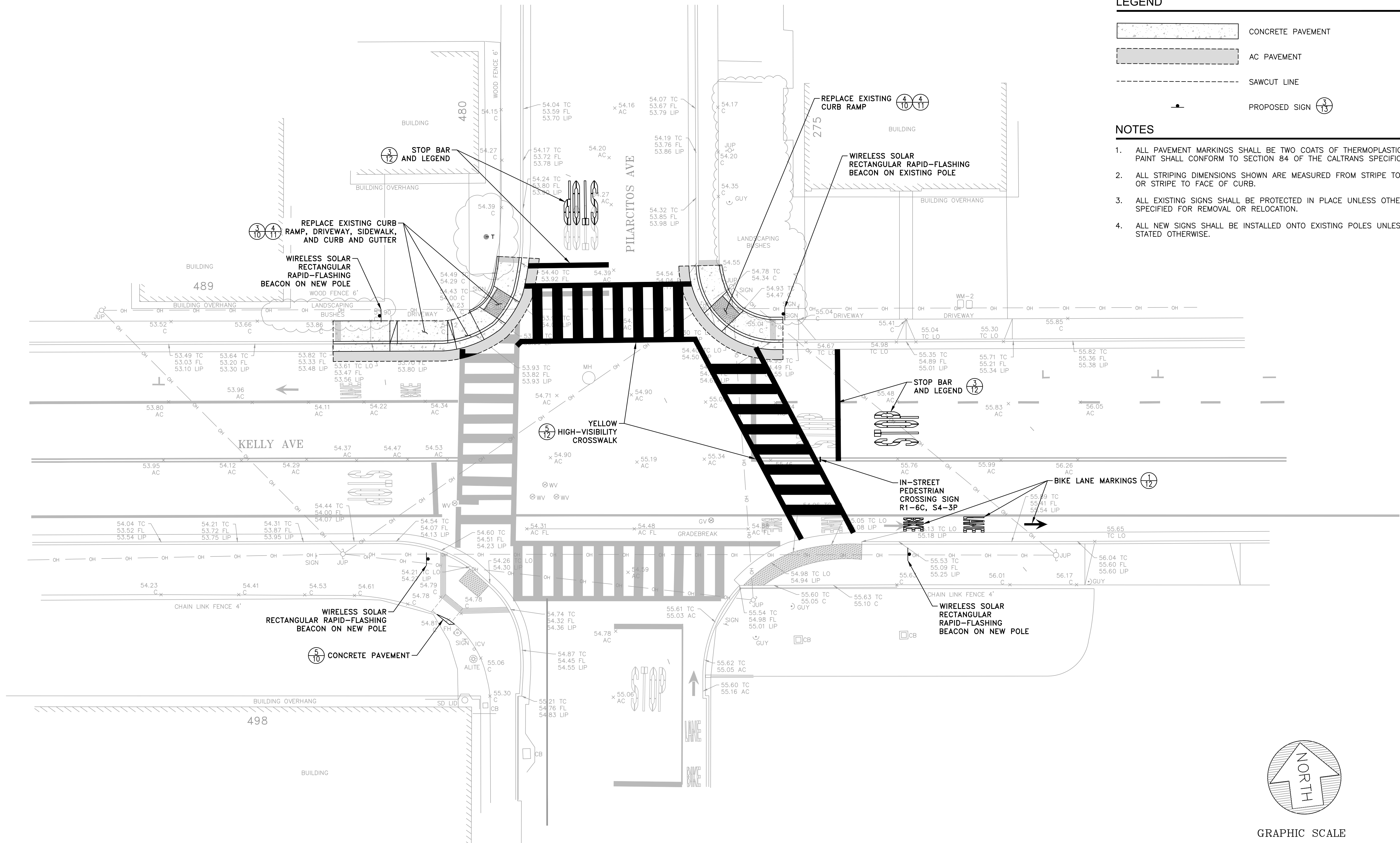
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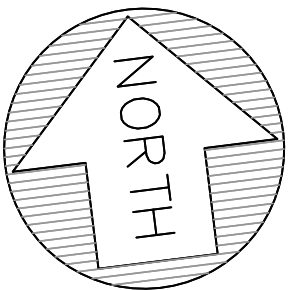


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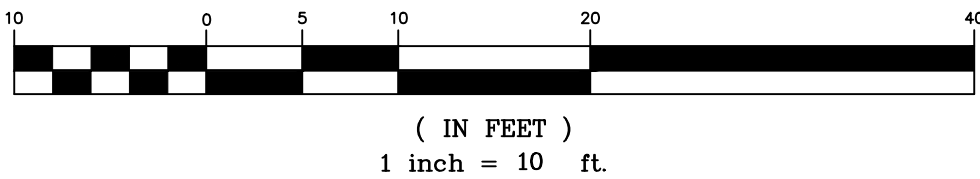
- CONCRETE PAVEMENT
- AC PAVEMENT
- SAWCUT LINE
- PROPOSED SIGN

NOTES

- ALL PAVEMENT MARKINGS SHALL BE TWO COATS OF THERMOPLASTIC PAINT. PAINT SHALL CONFORM TO SECTION 84 OF THE CALTRANS SPECIFICATIONS.
- ALL STRIPING DIMENSIONS SHOWN ARE MEASURED FROM STRIPE TO STRIPE OR STRIPE TO FACE OF CURB.
- ALL EXISTING SIGNS SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE SPECIFIED FOR REMOVAL OR RELOCATION.
- ALL NEW SIGNS SHALL BE INSTALLED ONTO EXISTING POLES UNLESS STATED OTHERWISE.



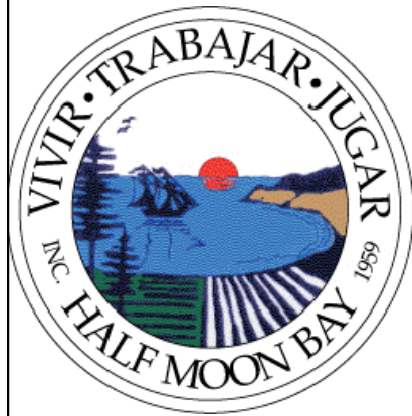
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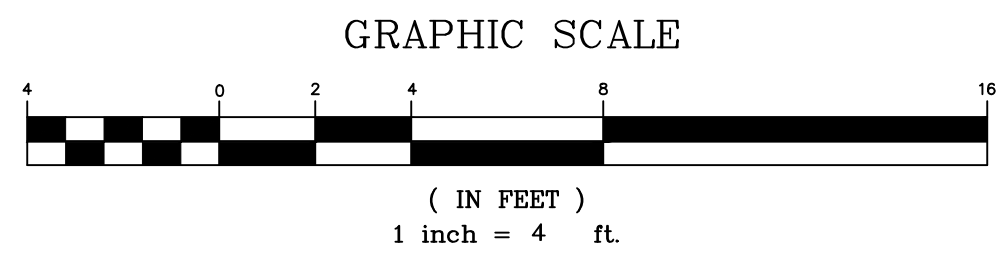
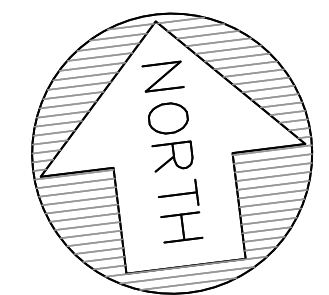
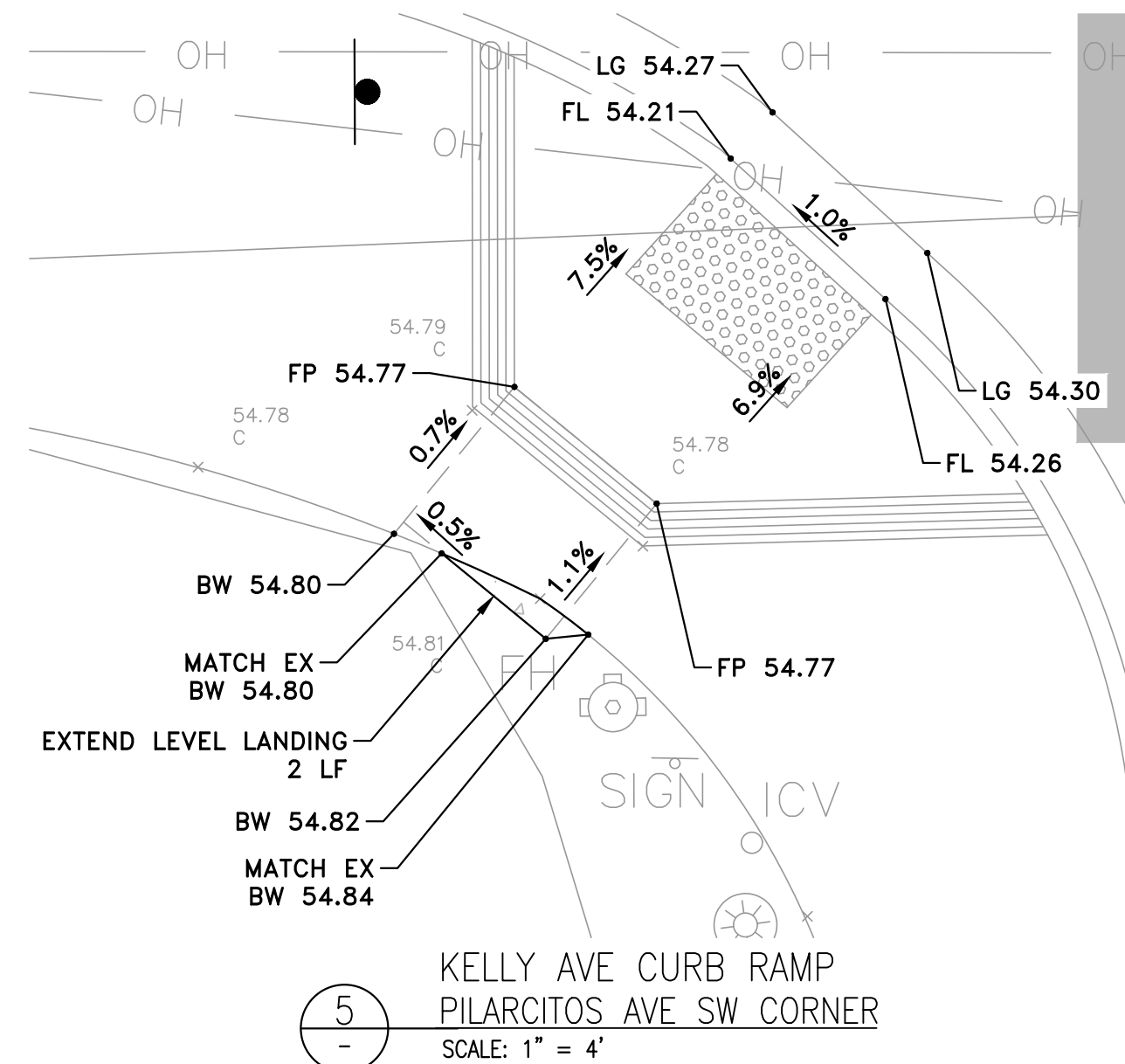
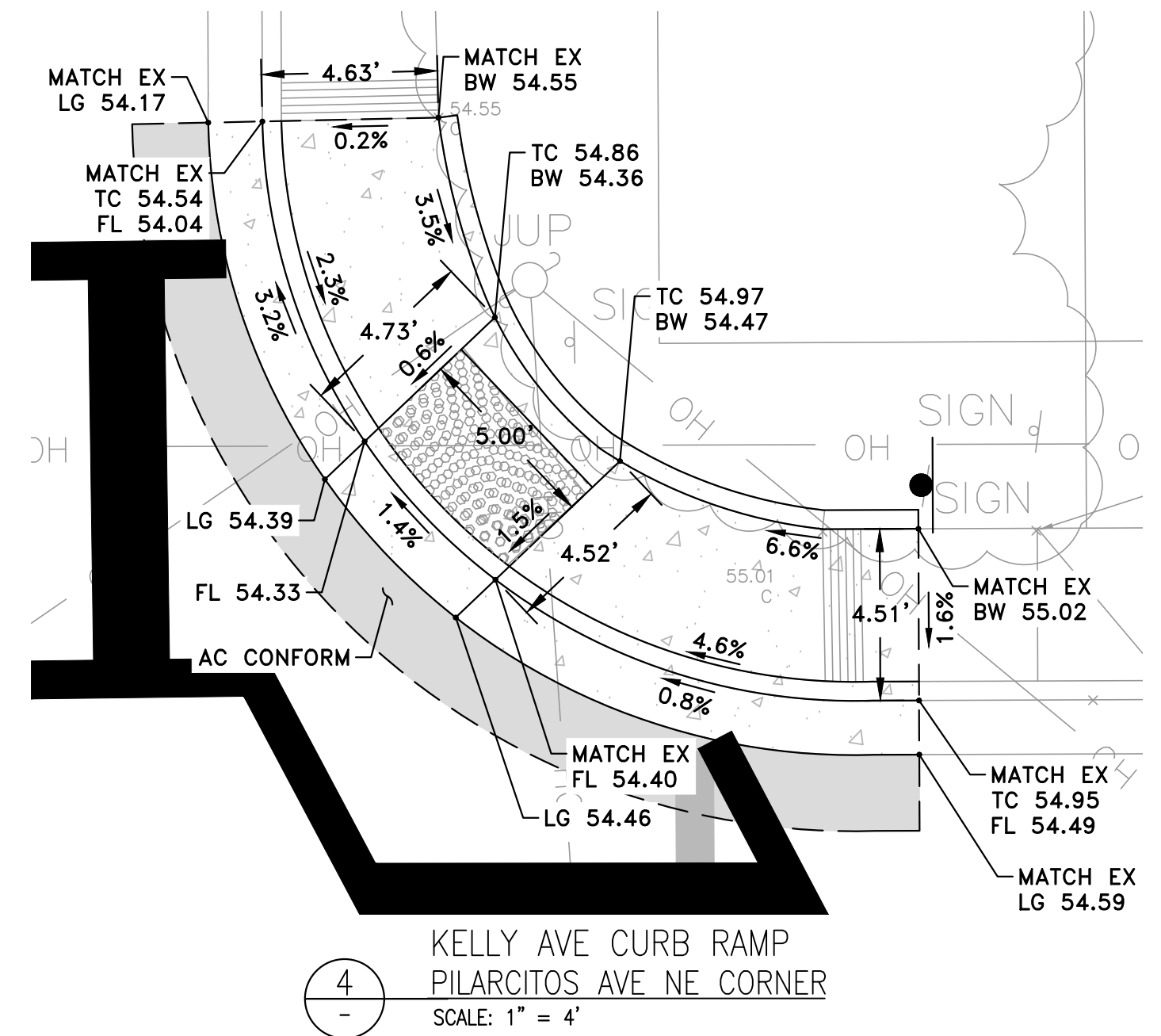
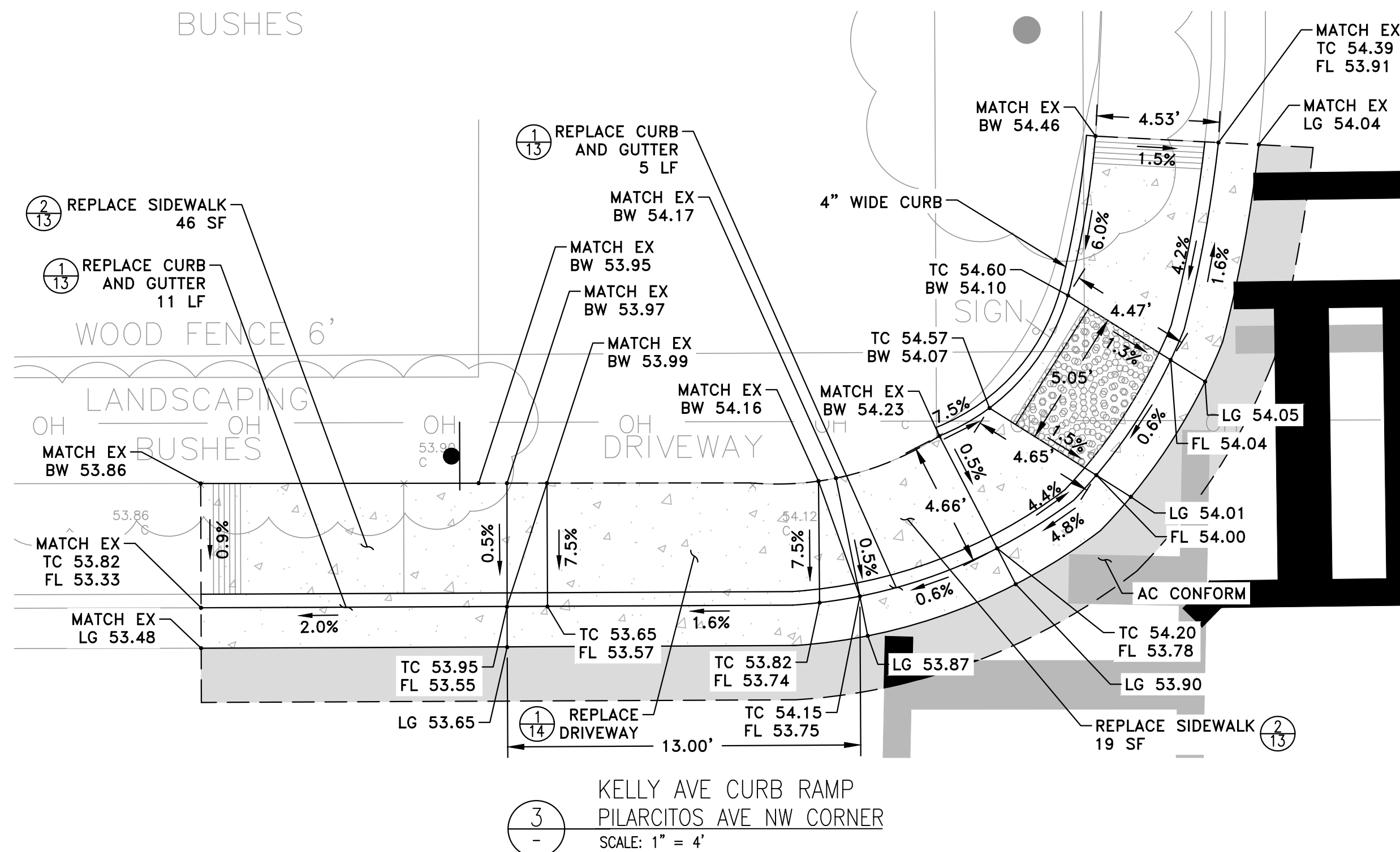
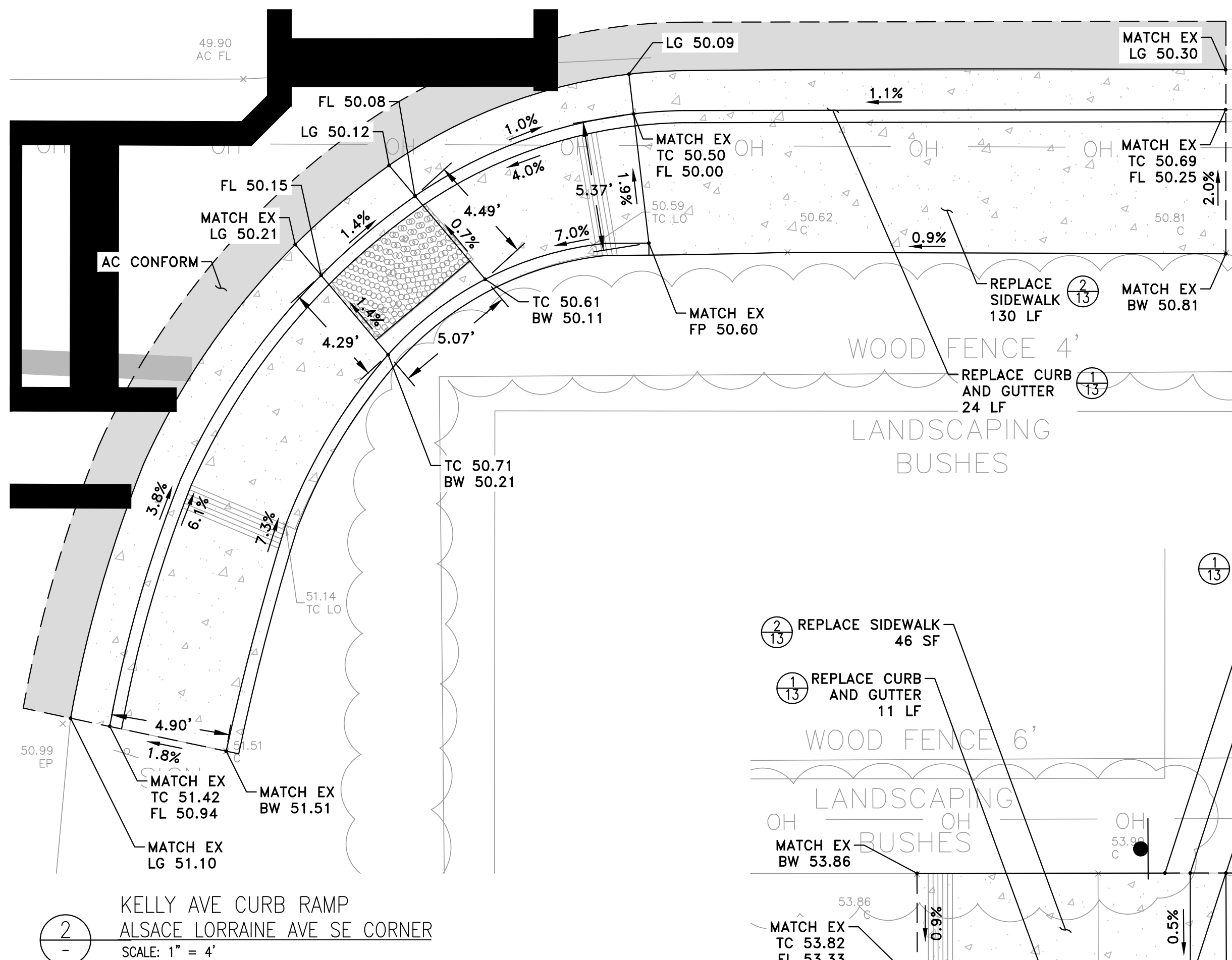
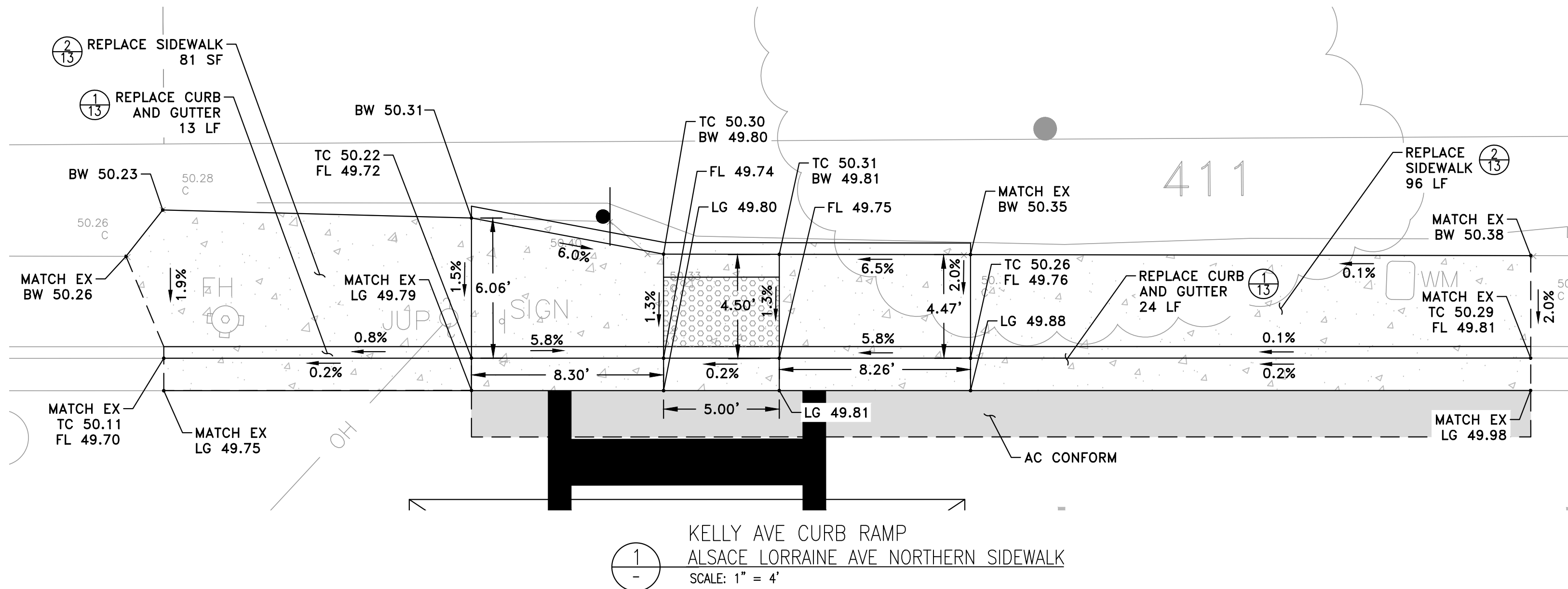
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KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT
SURFACE IMPROVEMENTS
Half Moon Bay, CA

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CITY ENGINEER

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KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT
CURB RAMP IMPROVEMENTS
Half Moon Bay, CA

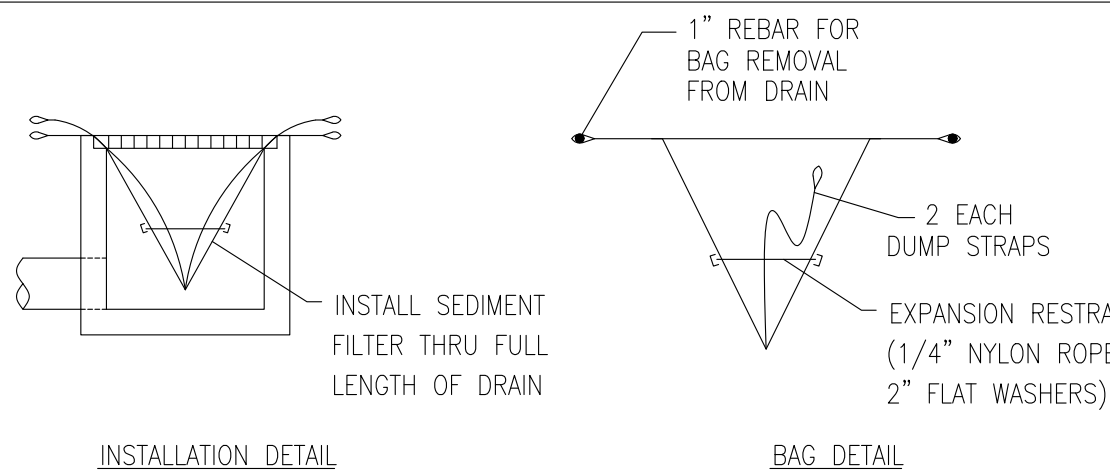


City of
Half Moon Bay

501 Main Street
Half Moon Bay
CA 94019

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f 650-726-8261
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REVISIONS	BY
DATE	11-16-2021
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DRAWN	JLB/LFH
JOB NO.	276004
DWG	
SHEET	10
OF 14 SHEETS	



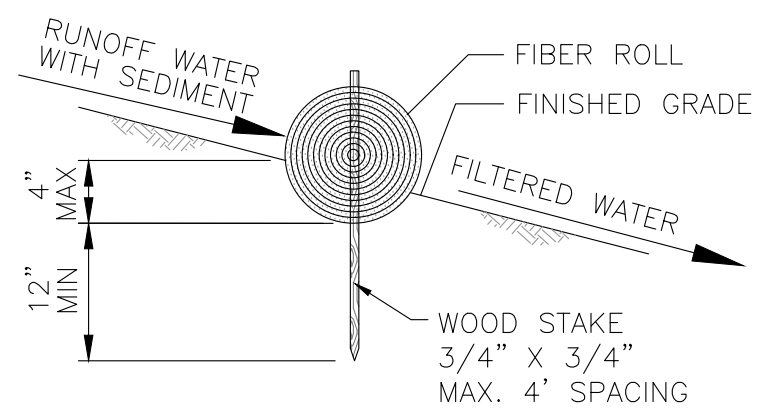
INSTALLATION DETAIL

BAG DETAIL

NOTES:

1. SEDIMENT FILTERS SHALL BE INSPECTED REGULARLY THROUGHOUT THE COURSE OF CONSTRUCTION TO INSURE PROPER PLACEMENT AND CONDITION OF FILTER.
2. DAMAGED OR PUNCTURED SEDIMENT FILTERS SHALL BE REPLACED IMMEDIATELY AND ALL CAPTURED SEDIMENT/DEBRIS SHALL BE PROPERLY DISPOSED OF.
3. TYPE OF SEDIMENT BAG TO BE DETERMINED IN THE FIELD BY THE UNIVERSITY'S REPRESENTATIVE.
4. EXACT LOCATION OF INLET CAPTURE BAG INSTALLATION FOR EACH SITE SHALL BE DETERMINED IN THE FIELD BY THE UNIVERSITY'S REPRESENTATIVE.

1 INLET CAPTURE BAG DETAIL
SCALE: NO SCALE

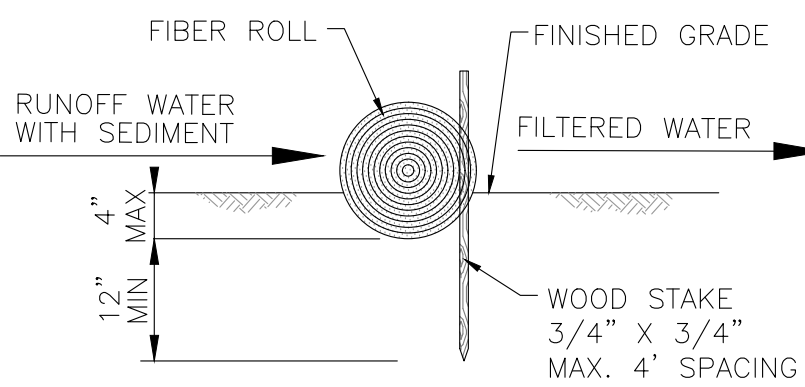


ENTRENCHMENT DETAIL
IN SLOPE AREA

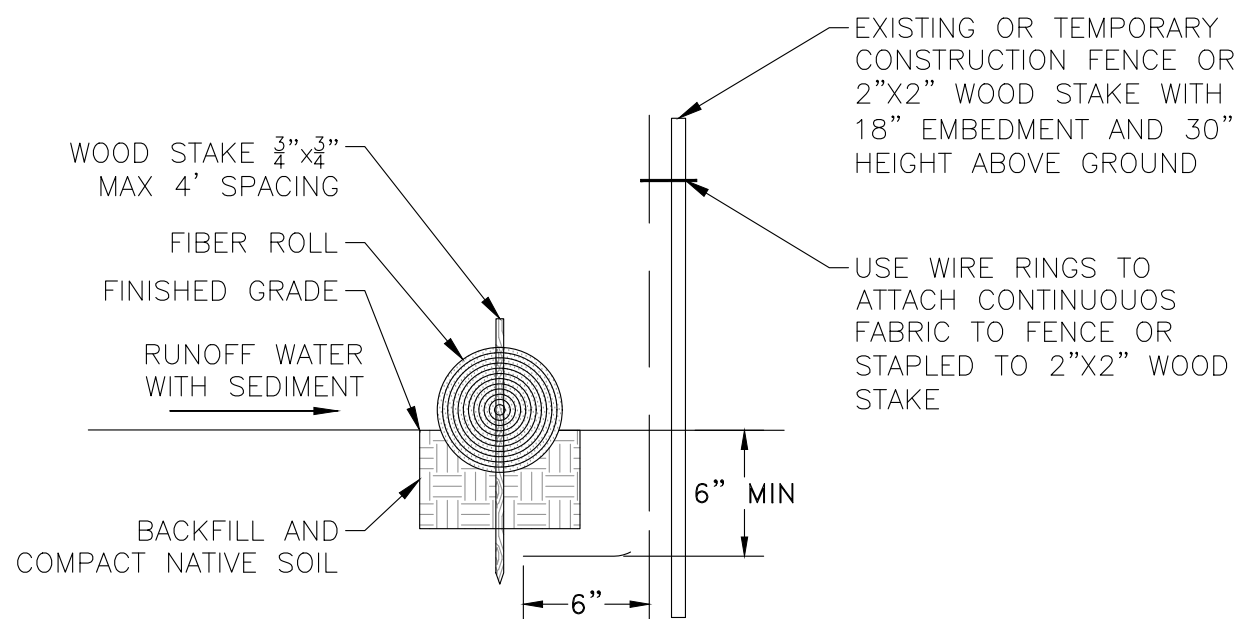
NOTES:

1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP.
2. ADJACENT ROLLS SHALL TIGHTLY ABUT AND STAKES PLACED AT THE ENDS IN ORDER TO PREVENT "GAPS" FROM OPENING BETWEEN THE ROLLS.
3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL. REMOVE OR BYPASS ALL OBSTRUCTIONS PRIOR TO PLACING FIBER ROLL.
4. EXACT LOCATION OF FIBER ROLL INSTALLATION FOR EACH SITE SHALL BE DETERMINED IN THE FIELD BY THE UNIVERSITY'S REPRESENTATIVE.

2 FIBER ROLL DETAIL
SCALE: NO SCALE



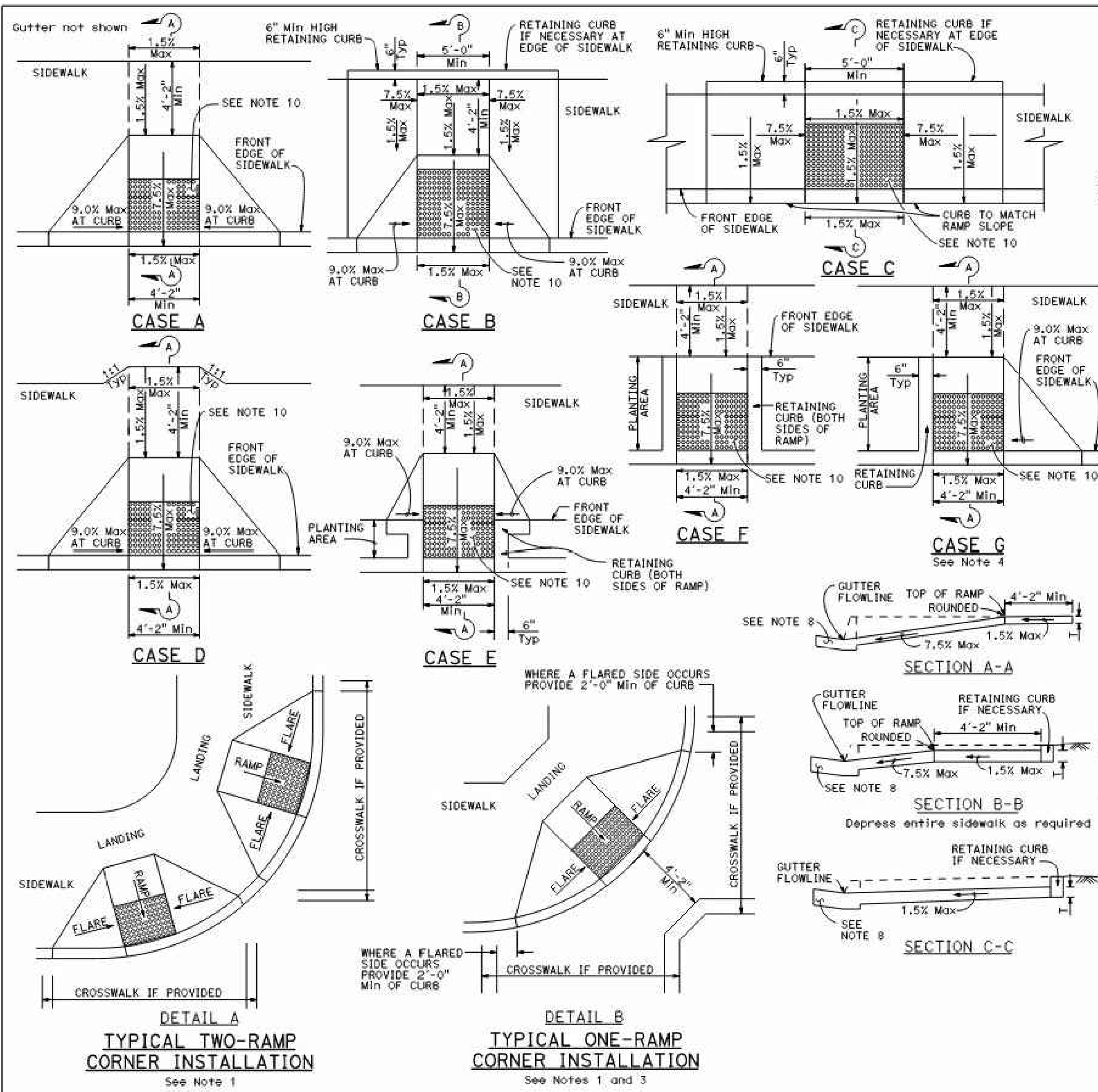
ENTRENCHMENT DETAIL
IN FLAT AREA



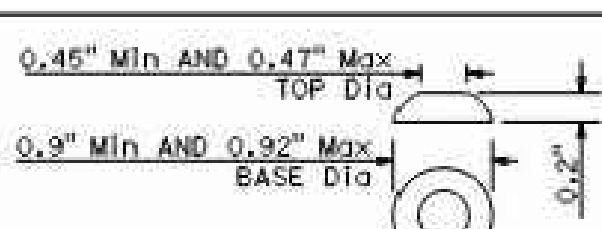
NOTES:

1. SILT FENCE SHALL HAVE A MINIMUM 6" EMBEDDED FILTER FABRIC MATERIAL.

3 SILT FENCE AND FIBER ROLL DETAIL
SCALE: NO SCALE



4 CURB RAMPS
SCALE: NO SCALE



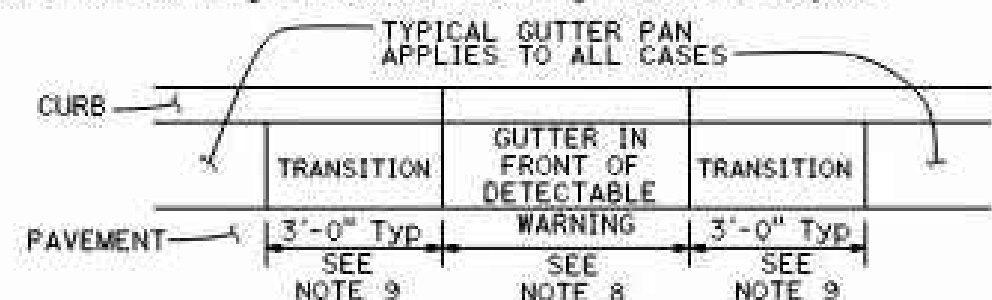
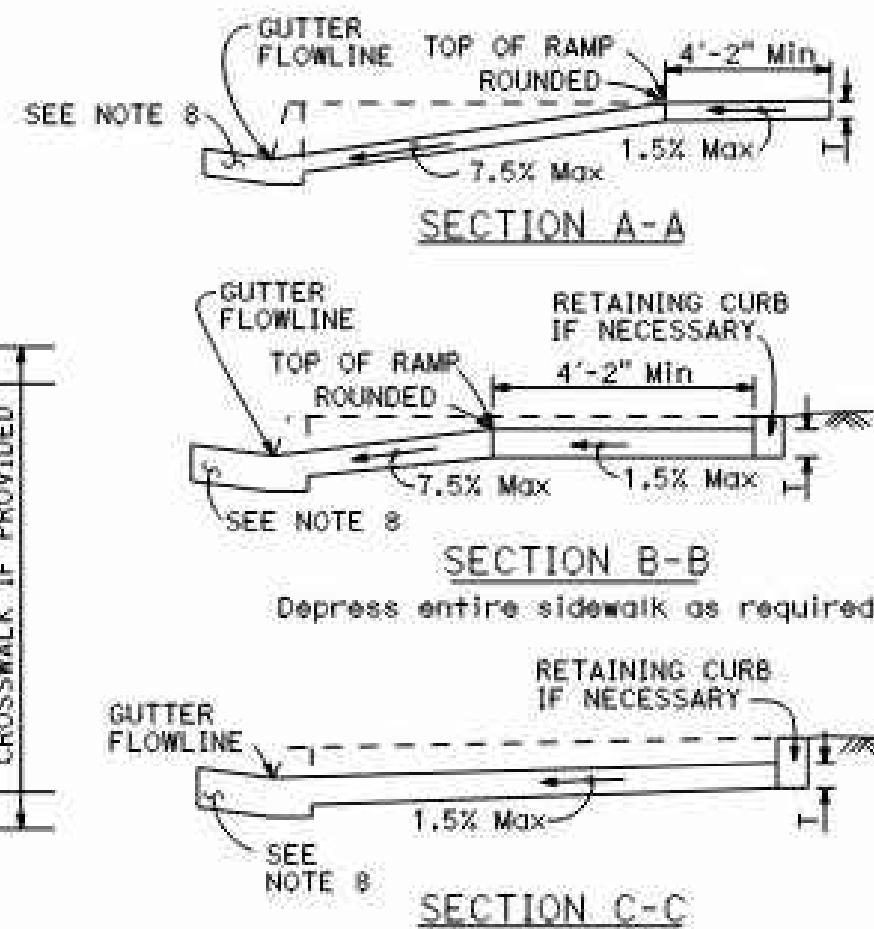
RAISED TRUNCATED DOME

2.3" Min AND 2.4" Max
CENTER TO CENTER
SPACING

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

NOTES:

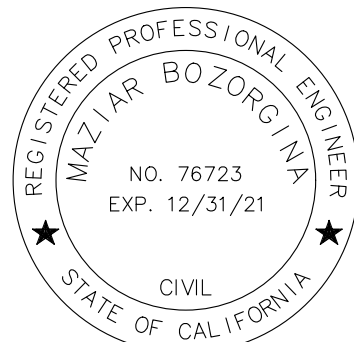
1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.
10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of 1 inch is allowed on each side of the ramp. Detectable warning surfaces shall conform to the requirements in the Standard Specifications.
11. Sidewalk and ramp thickness, "T", shall be 3/2" minimum.
12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.



GUTTER PAN TRANSITION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CURB RAMP DETAILS
NO SCALE

A88A



APPROVED BY:
CITY OF HALF MOON BAY

MAZIAR BOZORGINIA
CITY ENGINEER

DATE

KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT
DETAILS
Half Moon Bay, CA



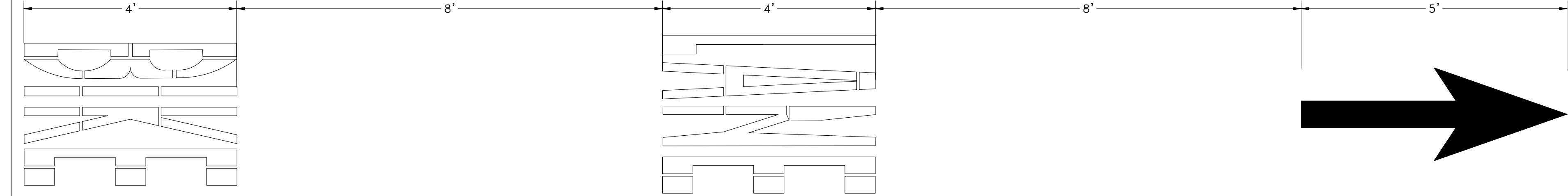
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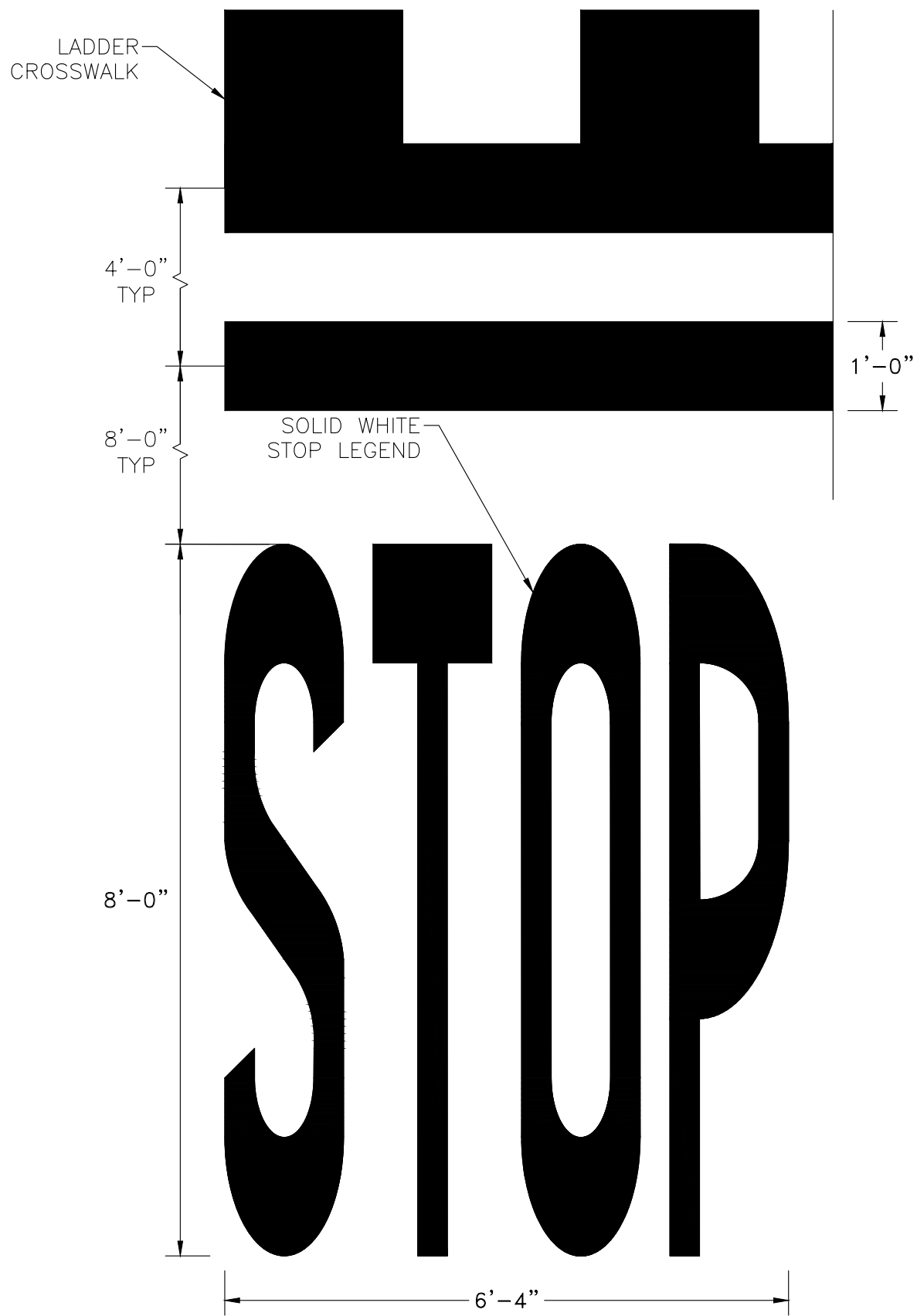
Z:\Projects\1276 City of Half Moon Bay\004 Kelly Avenue Intersections\Add Lines\Sheet 11-12 Details.dwg Rev 06/2021 12/06/2021 jlbh



NOTES:

1. PAVEMENT MARKING PER THE 2018 CALTRANS STANDARD PLANS, PAGES A24A AND A24D "PAVEMENT MARKINGS SECTION".

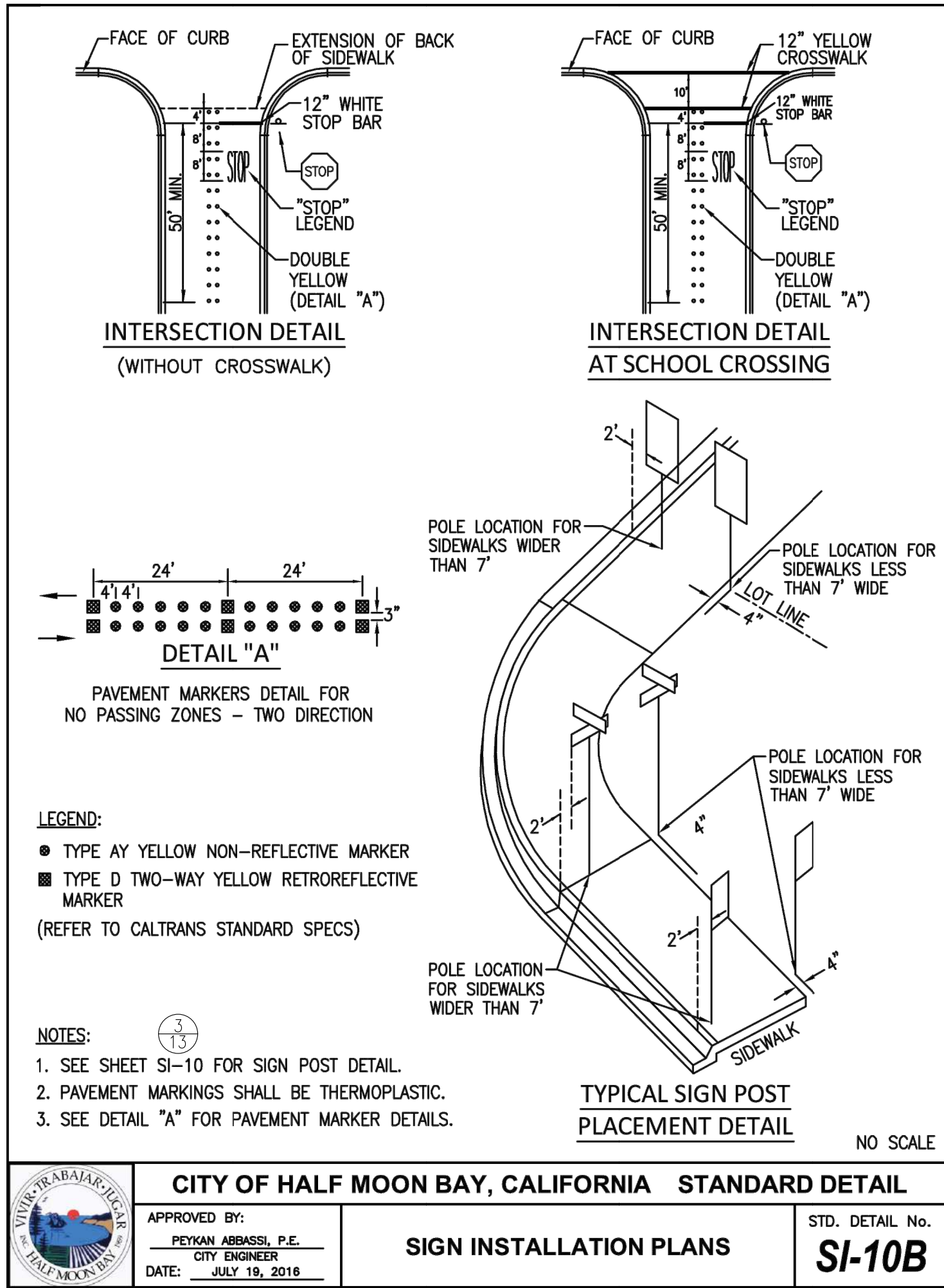
1
-
BIKE LANE MARKING
SCALE: NO SCALE



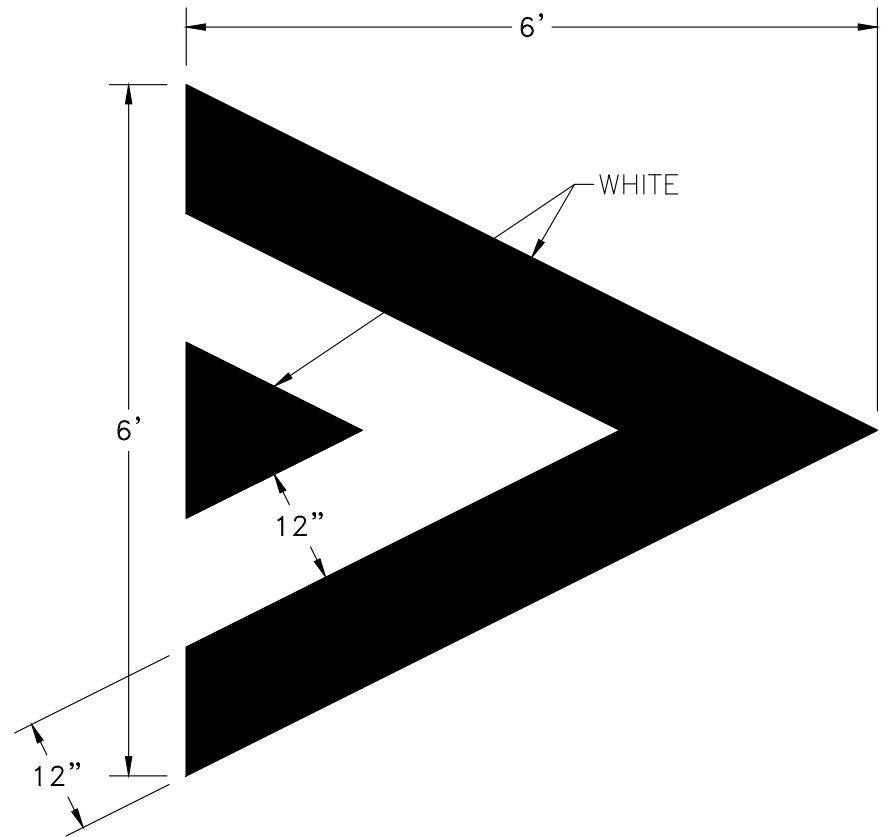
NOTES:

1. STOP LEGEND PAVEMENT MARKING PER THE LATEST EDITION OF THE CA MUTCD, FIGURE 3B-23 "EXAMPLES OF ELONGATED LETTERS FOR WORD PAVEMENT MARKINGS".
2. UNLESS OTHERWISE NOTED, ALL STOP BARS AND LEGEND SHALL BE THERMOPLASTIC.
3. EXTEND STOP BAR FROM CENTERLINE STRIPING TO EDGE OF ASPHALT PAVEMENT.
4. CENTER STOP LEGEND BETWEEN THE CENTERLINE STRIPING AND THE EDGE OF ASPHALT PAVEMENT.

3
-
STOP BAR AND LEGEND MARKING
SCALE: NO SCALE



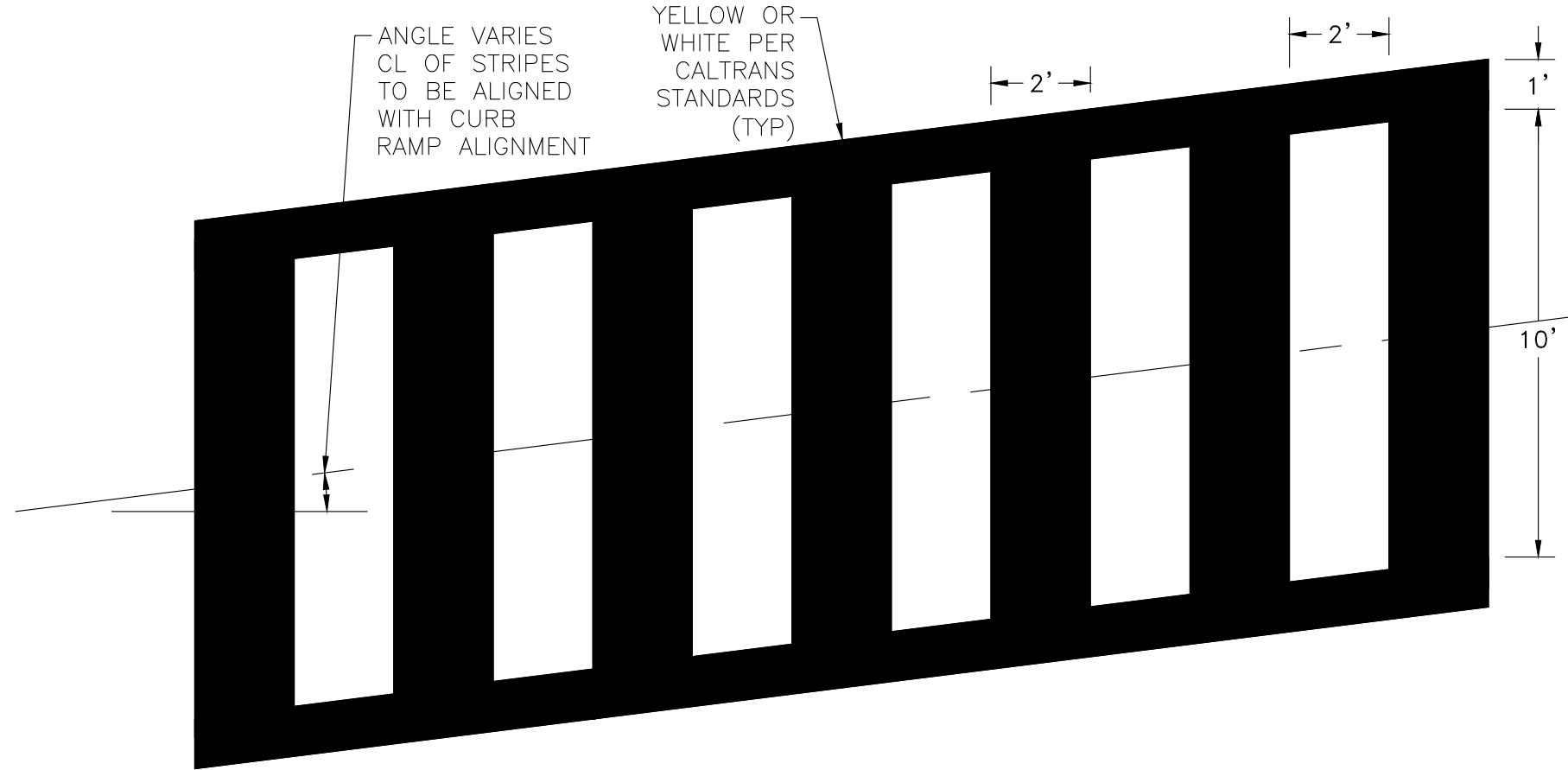
4
-
SIGN INSTALLATION PLANS
SCALE: NO SCALE



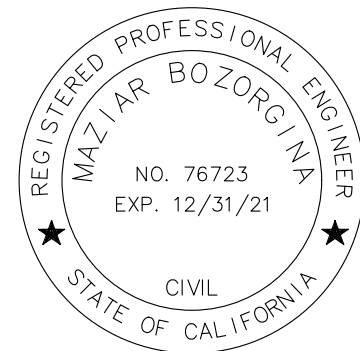
NOTES:

1. PAVEMENT MARKING PER THE LATEST EDITION OF THE CA MUTCD, FIGURE 3B-29 (OPTION A) "TYPICAL PAVEMENT MARKINGS FOR SPEED TABLES OR SPEED HUMPS WITH CROSSWALKS".

2
-
SPEED TABLE MARKINGS
SCALE: NO SCALE



5
-
LADDER CROSSWALK
SCALE: NO SCALE



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CITY ENGINEER

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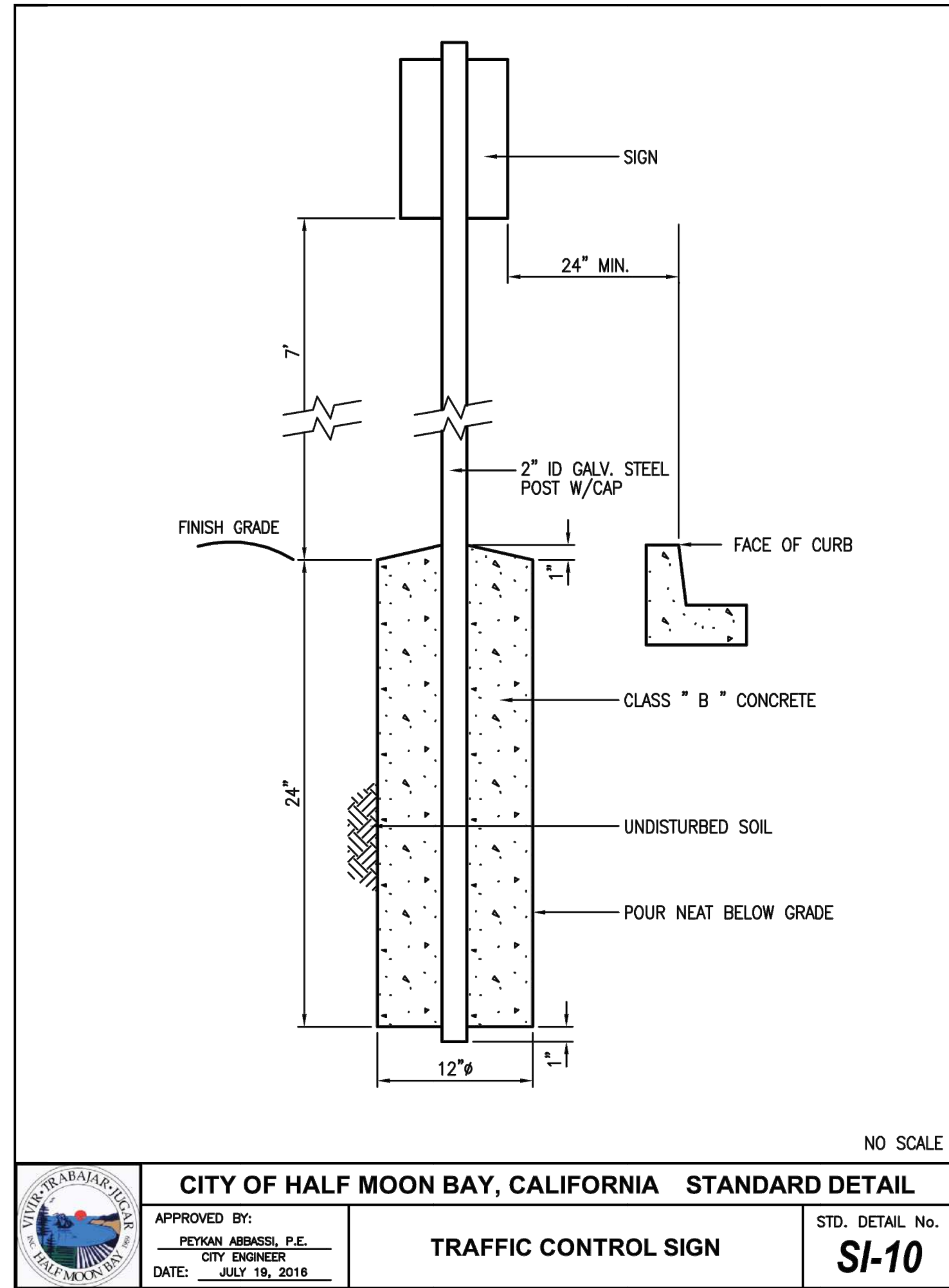
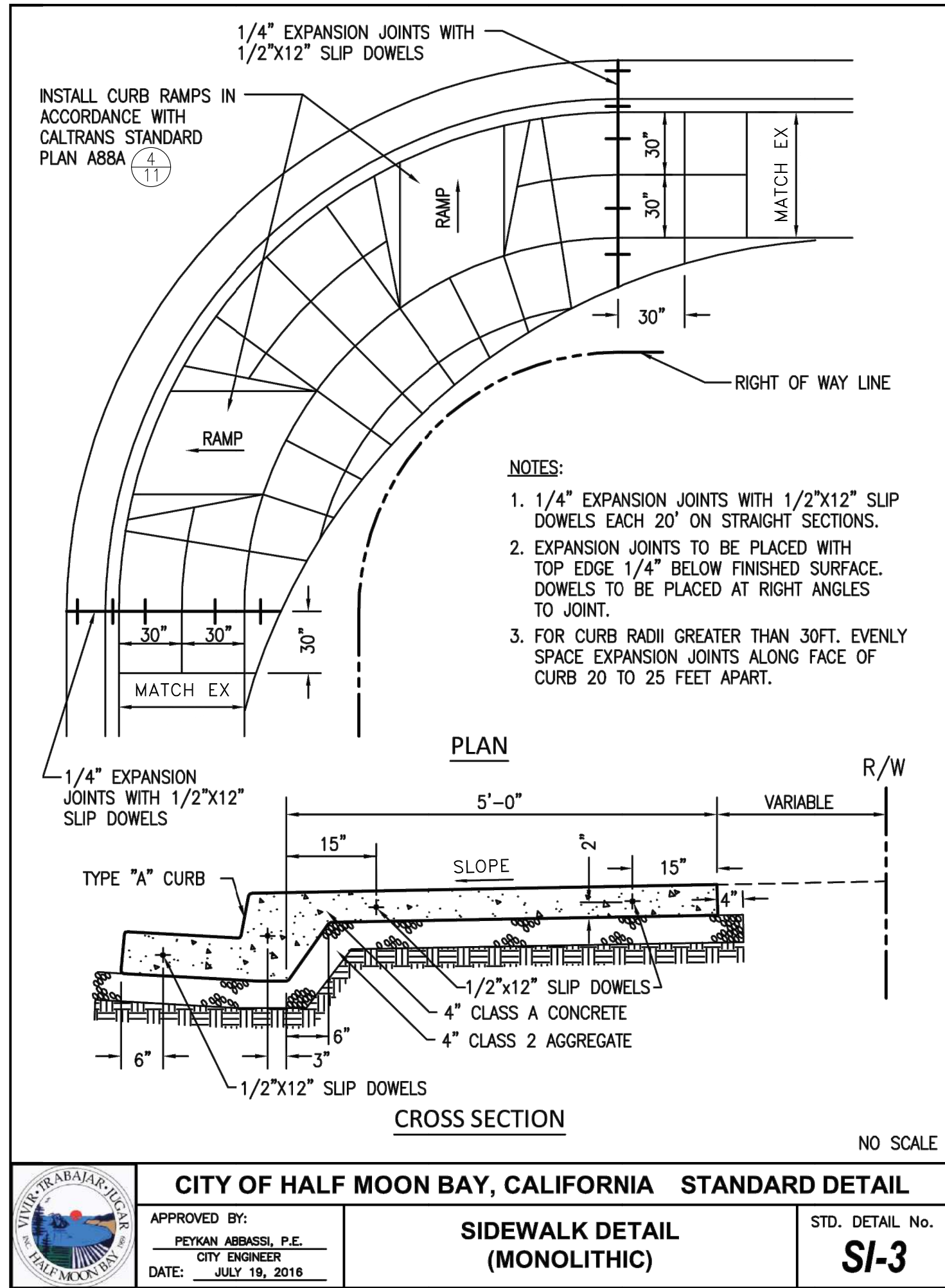
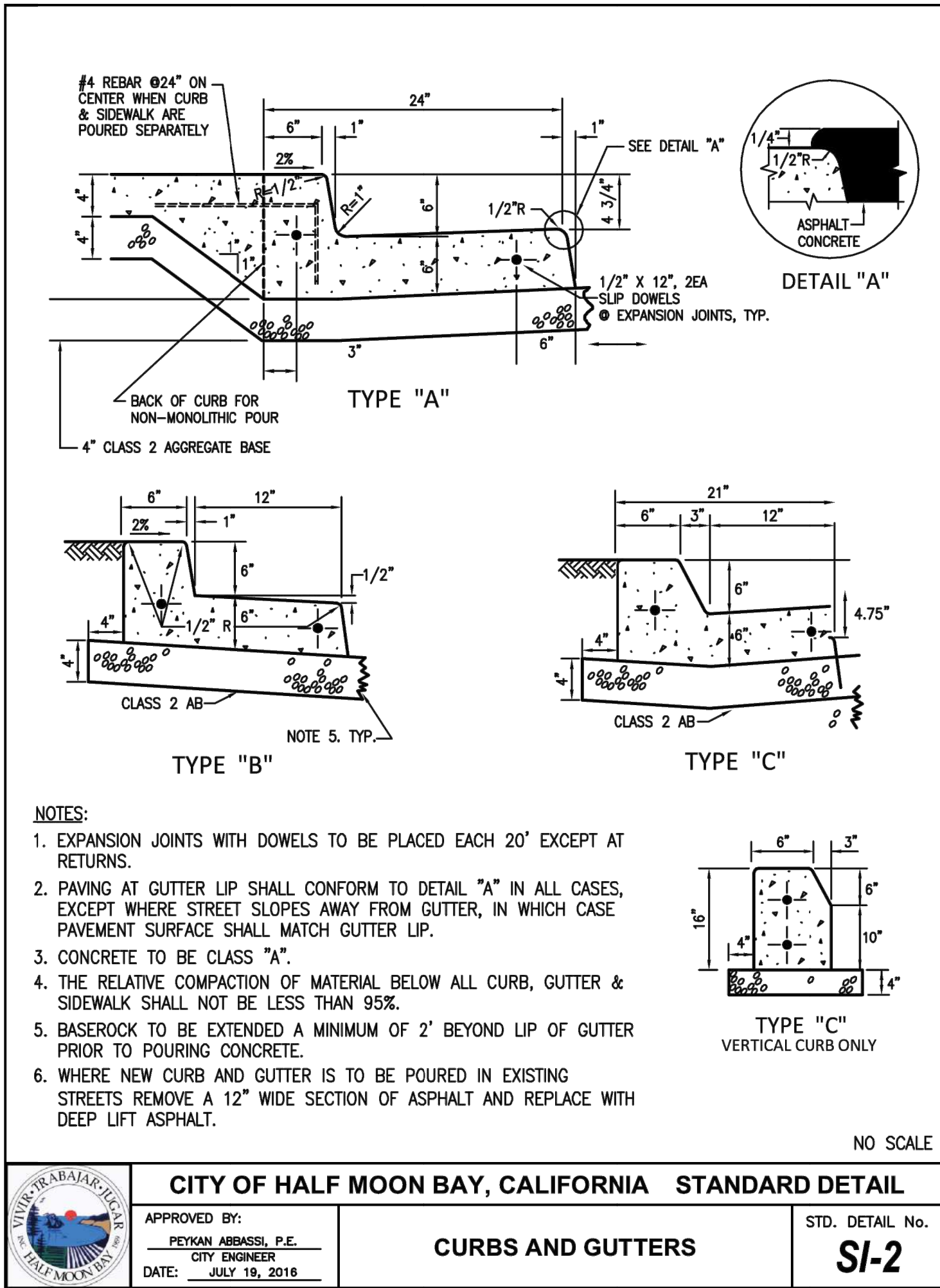
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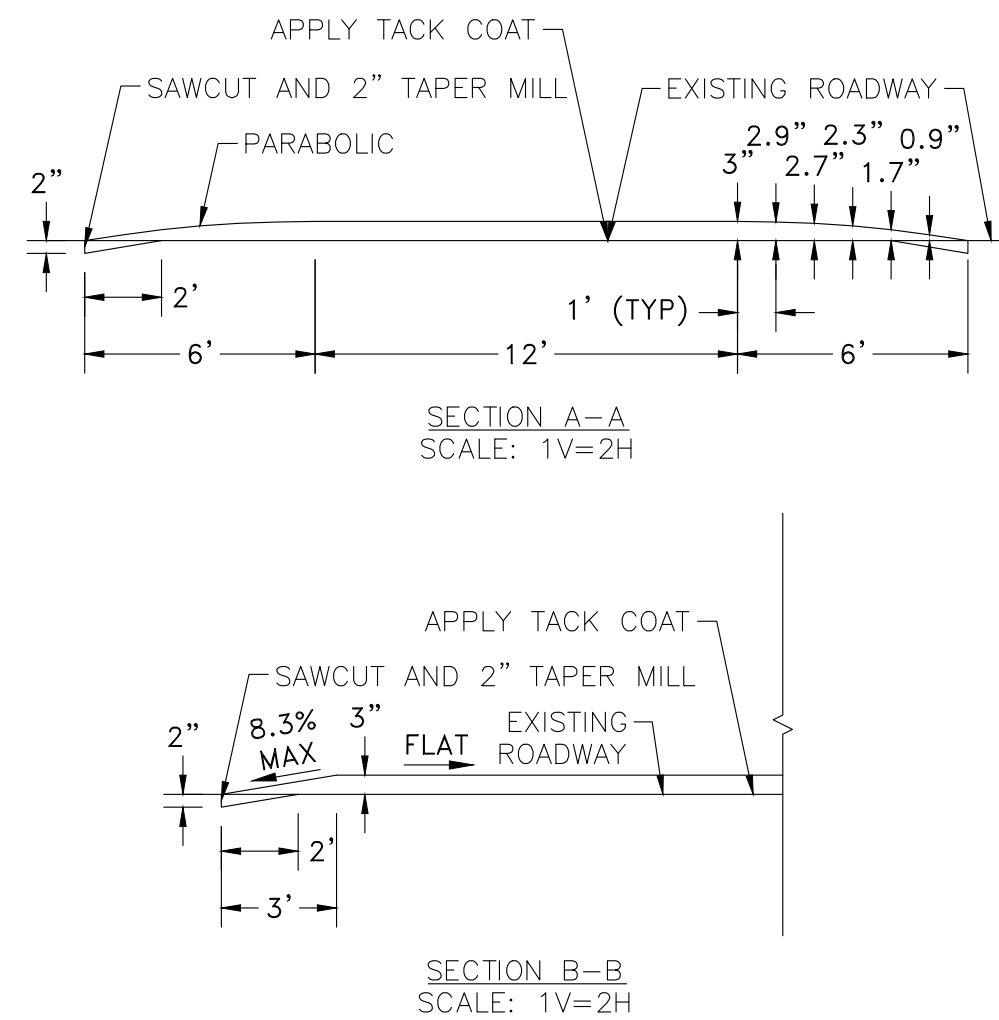
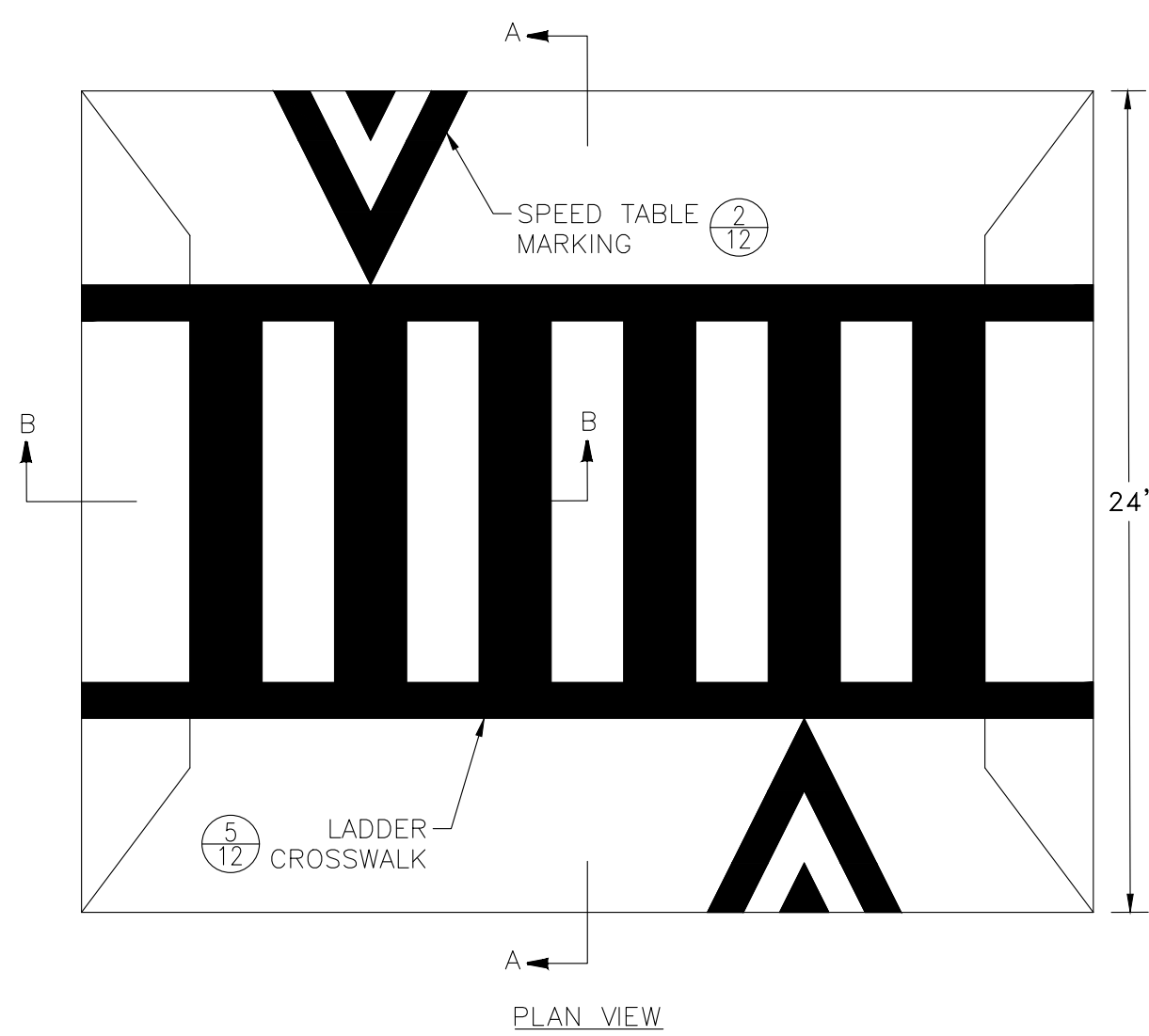
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1 CURBS AND GUTTERS
SCALE: NO SCALE

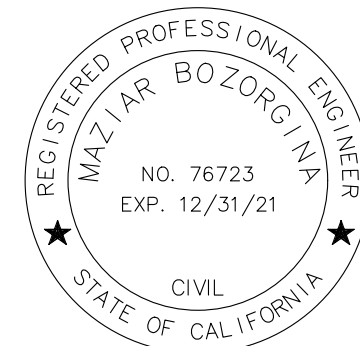
2 SIDEWALK DETAIL
SCALE: NO SCALE

3 TRAFFIC CONTROL SIGN
SCALE: NO SCALE



- NOTES:**
1. ALL SIGNING AND STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE CA MUTCD.

4 RAISED CROSSWALK
SCALE: NO SCALE



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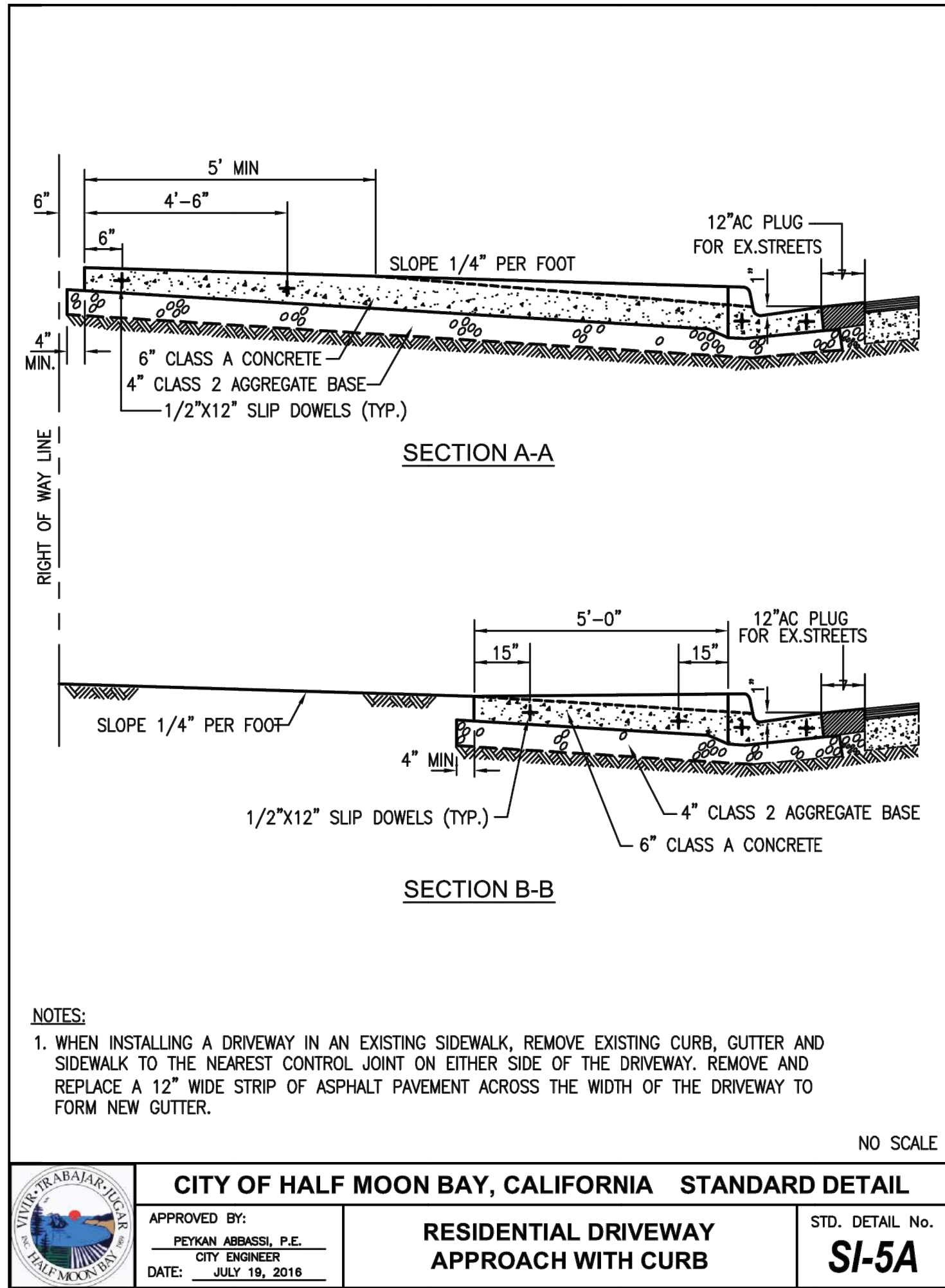
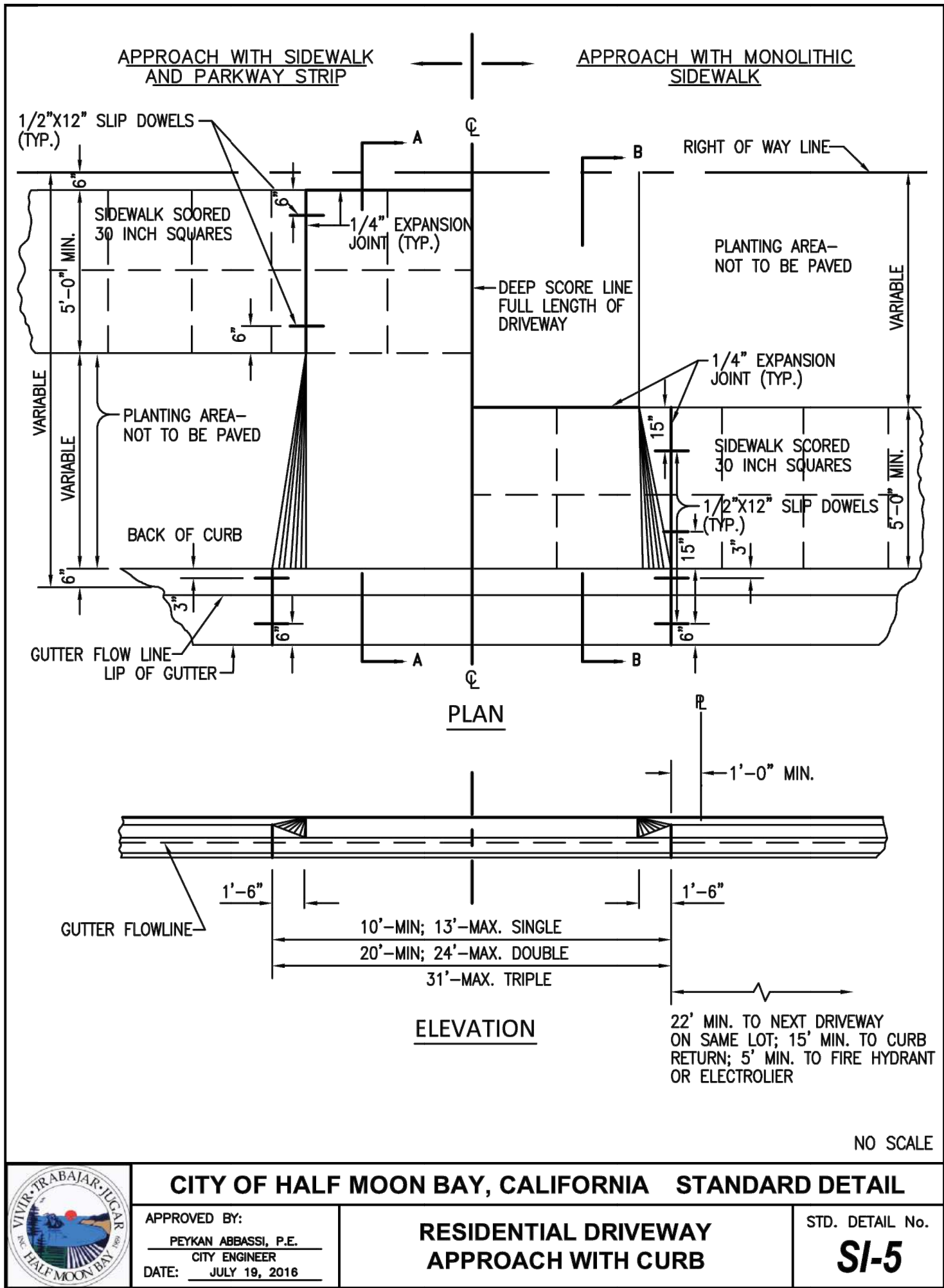


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1 RESIDENTIAL DRIVEWAY APPROACH
SCALE: NO SCALE

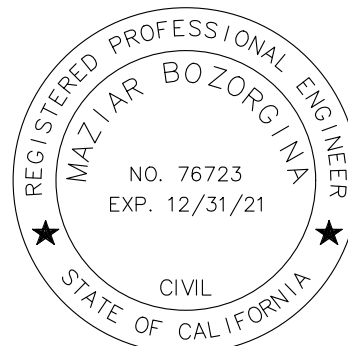


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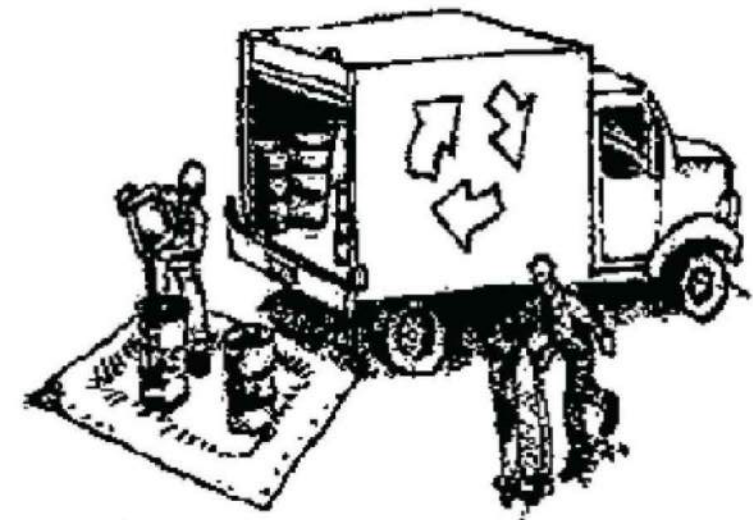
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Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ❑ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ❑ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ❑ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ❑ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ❑ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ❑ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ❑ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ❑ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ❑ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ❑ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ❑ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ❑ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- ❑ Schedule grading and excavation work during dry weather.
- ❑ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ❑ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ❑ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- ❑ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ❑ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ❑ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



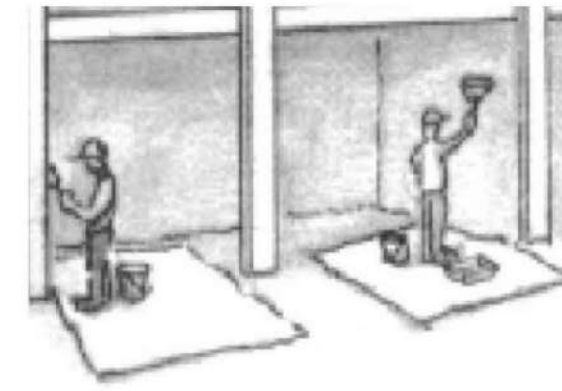
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ❑ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

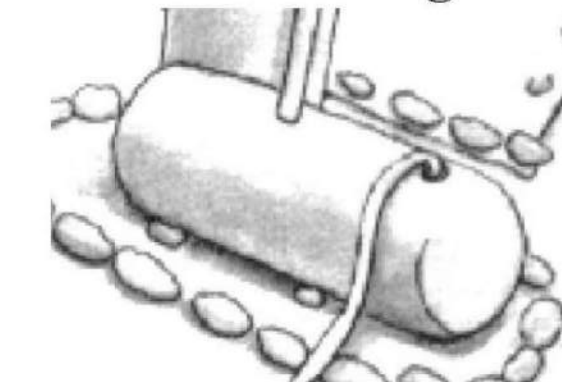
Painting & Paint Removal



Painting Cleanup and Removal

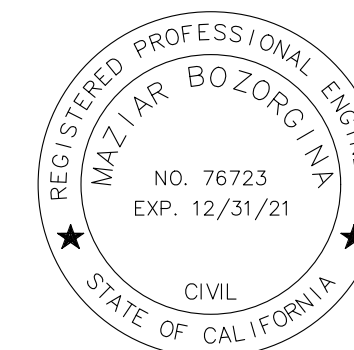
- ❑ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❑ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!



APPROVED BY:
CITY OF HALF MOON BAY

MAZIAR BOZORGINIA
CITY ENGINEER

DATE

KELLY AVENUE INTERSECTIONS IMPROVEMENT PROJECT
BEST MANAGEMENT PRACTICES
Half Moon Bay, CA



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Half Moon Bay

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PROJECT FACT SHEET

EA #0Q130

EFIS Project ID: 0418000053

Description:

This project has been developed to initiate a Multi-Asset project with anchor asset as Major Pavement Rehabilitation (2R) and satellite assets including upgrading transportation management systems that are at their end of their service lives, drainage work, and complete streets elements. The purpose of this project is to restore the facility to a state of good repair, improve roadway safety, upgrade drainage systems, enhance pedestrian & bike access, and upgrade existing traffic system infrastructure.

Scope:

This project proposes to rehabilitate the existing pavement, upgrade Transportation Management Systems, signal upgrades, Traffic Operations System elements, improve drainage, and implement Complete Streets elements (curb ramps, crosswalks, Class I/II bike path, and sidewalks).

Environmental:

Initial Study/Categorical Exclusion (Anticipated)

Right-of-Way:

Two (2) Permit to Enter & Construct (PTE&C's) are required.

Programmed Funding:

\$33,836k Construction Capital

Schedule:

The proposed project is currently in its preliminary assessment and environmental document phase. During this stage of project delivery Caltrans refines its conceptual design and completes its environmental review under California Environmental Quality Act and National Environmental Policy Act (NEPA).

Stakeholders:

San Mateo County, Mid-Coast Community Council, Coastal Commission, Coast Side Community Chamber, City of Half Moon Bay

SM-1 PM 27.5/34.8 in San Mateo County
In and near the City of Half Moon Bay, from Wavecrest Road to 0.1 mile south of Marine Blvd



0Q130 Proposed Project Schedule:

Project Milestone	Target Date
Circulate Draft Environmental Document	March 2022
Final Environmental Document	October 2022
Final Design and Permitting Complete	March 2024
Initiate Construction	October 2024
Construction Complete	October 2026