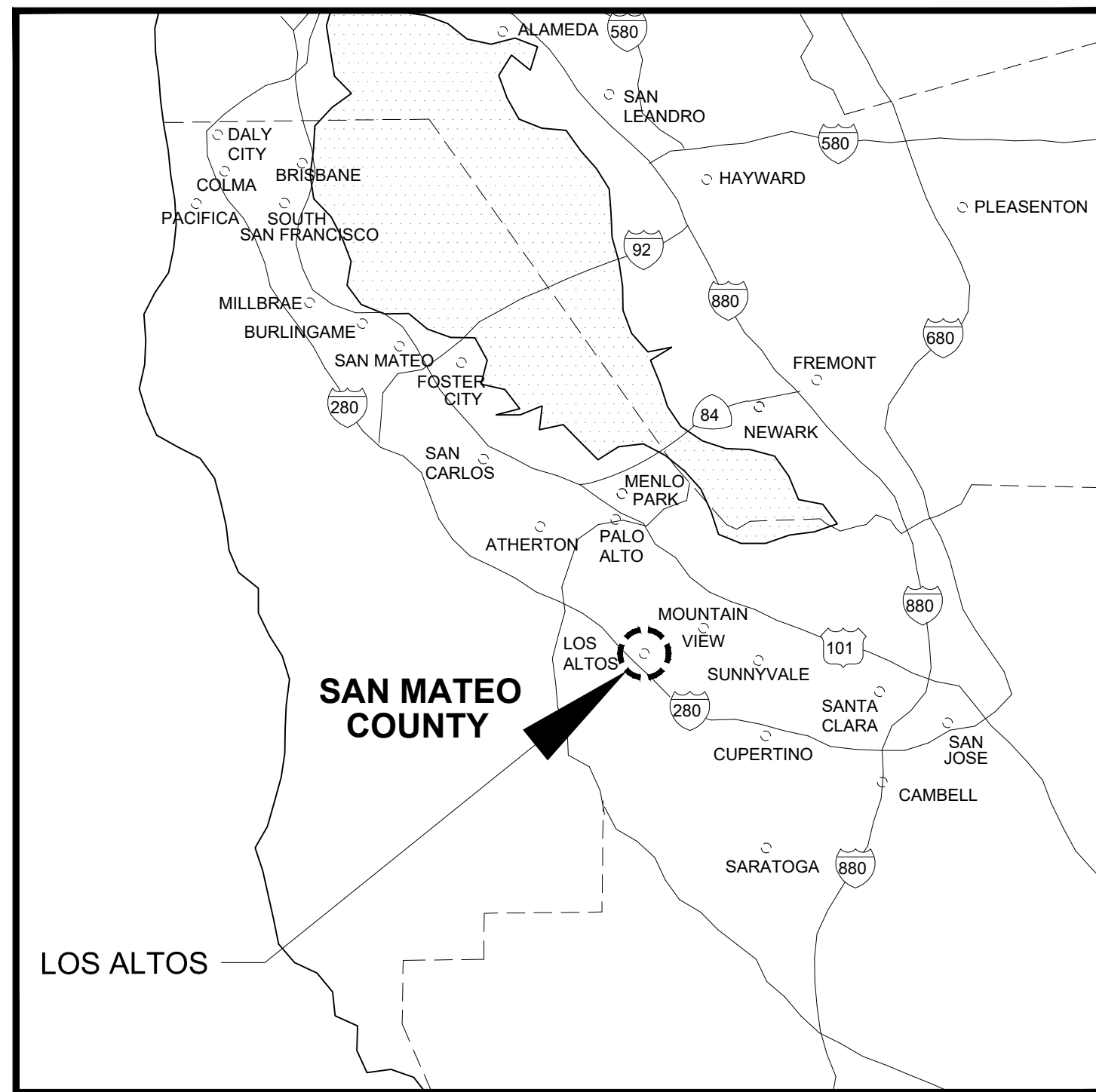
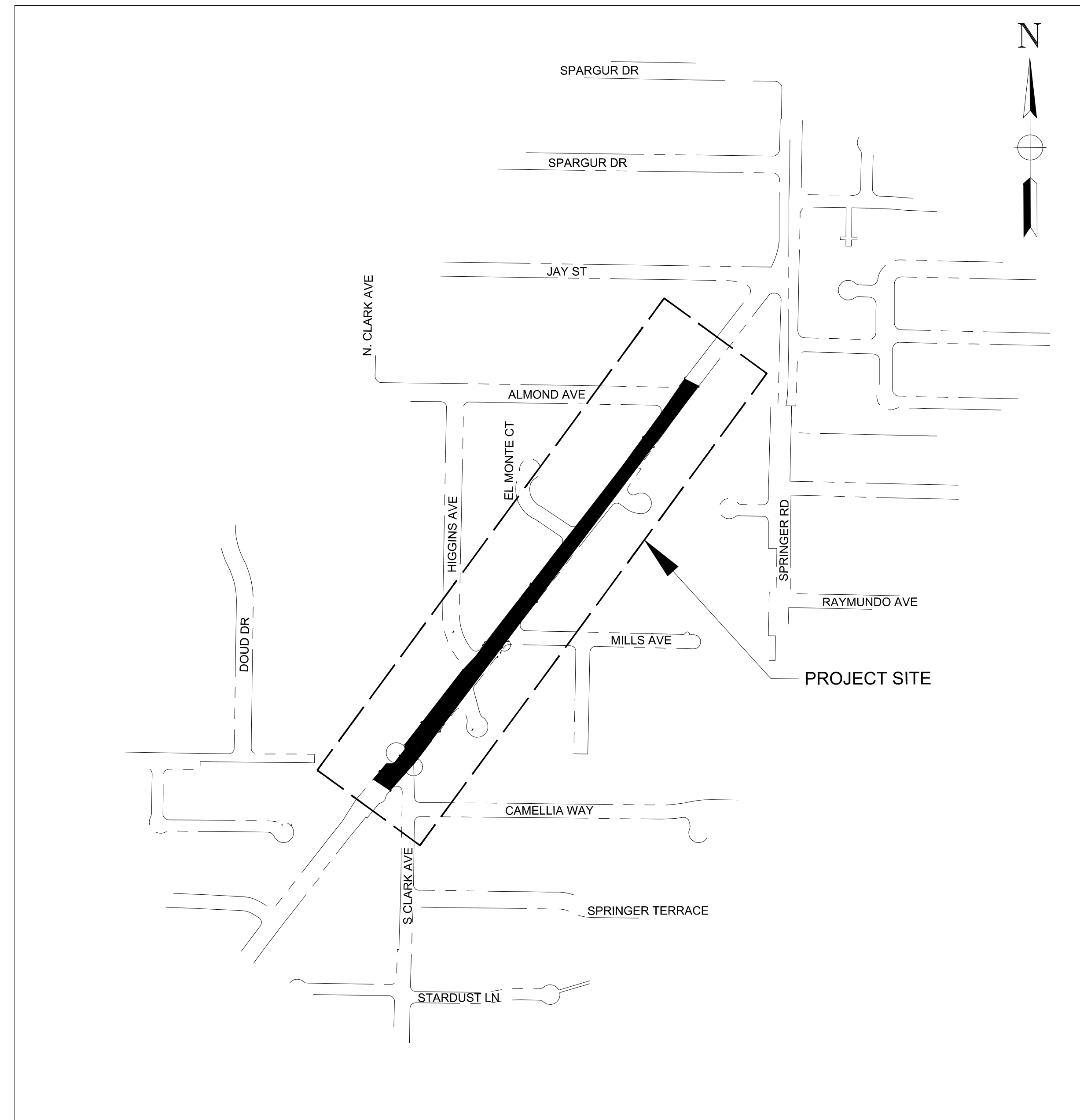


CITY OF LOS ALTOS

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT (TS-01038)



PROJECT VICINITY MAP
NOT TO SCALE



PROJECT LOCATION MAP
NOT TO SCALE

SHEET INDEX

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- 11 BLUEPRINT FOR A CLEAN BAY



Know what's below.
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Rev.	Description	Date

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Oakland, CA 94621
www.activewayz.engineering
(510) 989-2420

R.C.E. 63469
DATE SIGNED: 09/28/2020

SCALE:	AS SHOWN
DESIGN BY:	AZ
DRAWING BY:	AZ
CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT TS-01038
TITLE SHEET

City of Los Altos Santa Clara County California	City of Los Altos Project No. TS-01038
Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 1 OF 11

LEGEND

EXISTING	PROPOSED	
SS	SS	SANITARY SEWER
SD	SD	STORM DRAIN
DW	DW	DOMESTIC WATER LINE
G	G	GAS LINE
CATV	CATV	CABLE TELEVISION LINE
EOH	EOH	OVERHEAD LINE
T	T	TELEPHONE LINE (UNDERGROUND)
FO	FO	FIBER OPTICS LINE
COM	COM	COMMUNICATION (CABLE AND TELEPHONE) LINE
JP	JP	JOINT UTILITY POLE
PP	PP	POWER POLE
SSMH	SSMH	SANITARY SEWER MANHOLE
SDMH	SDMH	STORM DRAIN MANHOLE
W	W	STORM WATER INLET
W	W	WATER VALVE
(FS XX,XX)	FG XX,XX	TREE CANOPIES
(TC XX,XX)	TC XX,XX	FINISHED GRADE
(X,XX%)	X,XX%	TOP OF CURB
Fire Hydrant	Fire Hydrant	SLOPE
Street Light	Street Light	FIRE HYDRANT
Curb & Gutter	Curb & Gutter	STREET LIGHT
Saw Cut Line	Saw Cut Line	CURB & GUTTER
Centerline	Centerline	SAW CUT LINE
Right of Way	Right of Way	CENTERLINE
Existing Driveway	Existing Driveway	RIGHT OF WAY
Methyl Methacrylate Resin (MMA)	Methyl Methacrylate Resin (MMA)	EXISTING DRIVEWAY
PCC	PCC	METHYL METHACRYLATE RESIN (MMA)
HMA (Type A) DeepLift (6" Depth)	HMA (Type A) DeepLift (6" Depth)	PCC
Grind and Overlay (2" Min)	Grind and Overlay (2" Min)	HMA (TYPE A) DEEPLIFT (6" DEPTH)
Shoulder Backing (Crushed Gravel or Natural Rough Surfaced Gravel)	Shoulder Backing (Crushed Gravel or Natural Rough Surfaced Gravel)	GRIND AND OVERLAY (2" MIN)
Detectable Warning Surface (Cast Iron)	Detectable Warning Surface (Cast Iron)	SHOULDER BACKING (CRUSHED GRAVEL OR NATURAL ROUGH SURFACED GRAVEL)
Curb Ramp Pay Limit	Curb Ramp Pay Limit	DETECTABLE WARNING SURFACE (CAST IRON)
Rectangular Rapid Flashing Beacon	Rectangular Rapid Flashing Beacon	CURB RAMP PAY LIMIT
Rubber Curb	Rubber Curb	RECTANGULAR RAPID FLASHING BEACON
Rubber Curb End Cap	Rubber Curb End Cap	RUBBER CURB
Grade to Drain	Grade to Drain	RUBBER CURB END CAP

ABBREVIATIONS

AC	ASPHALT CONCRETE	EX / EXIST	EXISTING	PROP	PROPOSED
AB	AGGREGATE BASE	FC	FACE OF CURB	PT	POINT ON TANGENT
AP	ANGLE POINT	FG	FINISHED GRADE	PVC	POLYVINYL CHLORIDE PIPE
BC	BEGIN CURVE	FH	FIRE HYDRANT	RT	RIGHT
BCR	BEGIN CURB RETURN	FL	FLOW LINE	ROW	RIGHT OF WAY
BEG	BEGIN	FO	FIBER OPTICS	SD	STORM DRAIN
BLVD	BOULEVARD	FS	FINISHED SURFACE	SDMH	STORM DRAIN MANHOLE
BW	BACK OF SIDEWALK	G	GAS	SW	SIDEWALK
CATV	CABLE, TELEVISION	GB	GRADE BRAKE	SERV	SERVICE
CB	CATCH BASIN	IMP	IMPROVEMENT	SS	SANITARY SEWER
C&G	CURB AND GUTTER	INV	INVERT	SSCO	SANITARY SEWER CLEANOUT
CL	CENTERLINE	IRR	IRRIGATION	SSMH	SANITARY SEWER MANHOLE
COMM	COMMUNICATION	JP	JOINT POLE	STD	STANDARD
CONC	CONCRETE	LF	LINEAR FOOT	TC	TOP OF CURB
COND	CONDUIT	LS	LANDSCAPE	TEL	TELEPHONE
DI	DROP INLET	LT	LEFT	TOP	TOP OF PIPE
DG	DRAINAGE GRATE	MED	MEDIAN	TG	TOP OF GRADE
DW	DOMESTIC WATER LINE	MISC	MISCELLANEOUS	TS	TRAFFIC SIGNAL
EB	ELECTRIC BOX	MON WELL	MONITORING WELL	TFP	TYPICAL
EC	END CURVE	MH	MANHOLE	UNKN.	UNKNOWN
ECR	END CURB RETURN	N'LY	NORTHERLY	VAR.	VARIES
EG	EXISTING GRADE	N.T.S.	NOT TO SCALE	WM	WATER METER
EL	ELEVATION	OC	ON CURB	WV	WATER VALVE
ELEC	ELECTRICAL	OG	ORIGINAL GRADE		
E'LY	EASTERLY	OHL	OVERHEAD LINE		
EP	EDGE OF PAVEMENT	PB	PULL BOX		
ESMT	EASEMENT	PC	POINT ON CURVE		
		PCC	POINT ON COMPOUND CURVE		
		PRC	POINT OF REVERSE CURVE		
		PROF	PROFILE		

GENERAL NOTES

- TYPICAL DETAILS REFERENCED ON THESE DRAWINGS ARE FROM THE CITY OF LOS ALTOS STANDARD PLANS FOR STREET, SEWER, STORM DRAIN AND CONCRETE IMPROVEMENTS AND FROM THE CALTRANS STANDARD PLANS (2018 EDITION).
- CONTRACTOR SHALL RESTORE ALL FACILITIES OUTSIDE LIMITS OF WORK DAMAGED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CITY. ANY DAMAGE TO THE EXISTING FACILITIES INCLUDING, BUT NOT LIMITED TO: TREES, LANDSCAPING, IRRIGATION, STORM, SEWER, UTILITY SERVICES, FENCES, WALLS, SIDEWALK, AND PAVEMENT SURFACES SHALL BE RESTORED AT CONTRACTOR'S EXPENSE.
- THE PLANS MAY NOT SHOW ALL OF THE UTILITIES. THE CONTRACTOR SHALL VERIFY BY POTHOLES ALIGNMENT AND ELEVATION OF EXISTING UTILITIES AFFECTING THE WORK PRIOR TO CONSTRUCTION. PRIOR TO ANY DIGGING, CALL U.S.A. (800) 227-2600 OR 811 A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF EXCAVATION. CONTRACTOR TO REMOVE ALL TEMPORARY MARKINGS AT THE END OF THE PROJECT.
- IF SAW CUTTING AND/OR TRENCH EXCAVATION ACTIVITIES RESULT IN A WIDTH OF LESS THAN 4 FEET OF EXISTING PAVEMENT REMAINING BETWEEN THE PROPOSED EDGE OF TRENCH AND EXISTING EDGE OF PAVEMENT, THE CONTRACTOR SHALL REMOVE THIS REMNANT "SLIVER" OF PAVEMENT ENTIRELY AND RESTORE IT TO ITS ORIGINAL FULL WIDTH DURING SURFACE RESTORATION. THIS PAVING WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL PAVEMENT SHALL BE SAWCUT FULL DEPTH FOR PAVEMENT REMOVAL.
- EXISTING UTILITY CROSSINGS AS SHOWN ON THE PLANS ARE APPROXIMATE. VERIFICATION BY POTHOLES OF HORIZONTAL AND VERTICAL EXISTING UTILITY ALIGNMENTS SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT A WRITTEN TRAFFIC CONTROL & SIGNED PLANS TO BE APPROVED BY CITY PRIOR TO START OF WORK. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS AND OTHER DEVICES TO PROVIDE VEHICULAR, BICYCLE, AND PEDESTRIAN SAFETY.
- CONTRACTOR SHALL PROTECT ALL UTILITY STRUCTURES AND SURVEY MONUMENTS WITHIN THE WORK AREAS. THE CONTRACTOR SHALL REVIEW THE WORK SITES PRIOR TO SUBMISSION OF BIDS.
- EXISTING CITY MONUMENTS SHALL NOT BE DISTURBED. PER SECTION 8771 OF THE CALIFORNIA BUSINESS AND PROFESSIONAL CODE, ANY MONUMENTS THAT ARE ACCIDENTALLY DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA, AND A RECORD OF SURVEY OR CORNER RECORD SHALL BE PREPARED AND FILED. THE REPLACEMENT OR RELOCATION OF THESE SURVEY MONUMENTS MUST BE COORDINATED WITH THE COUNTY SURVEY DEPARTMENT. THE REPLACEMENT OR RELOCATION OF THESE MONUMENTS SHALL BE AT NO ADDITIONAL COST TO THE CITY.
- ALL NEW STREET SURFACES AND CONCRETE GUTTERS SHALL BE WATER TESTED BY THE CONTRACTOR TO ENSURE POSITIVE DRAINAGE AND ELIMINATION OF BIRD BATHS PRIOR TO INITIAL ACCEPTANCE.
- THE CONTRACTOR SHALL VERIFY AND OBTAIN APPROVAL FROM THE CITY ARBORIST PRIOR TO ANY TRIMMING, REMOVAL, AND/OR DISTURBANCE OF EXISTING TREE ROOTS.
- THE CONTRACTOR'S DAY WORK OPERATIONS SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 A.M. AND 5:00 P.M., UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS, THE CONTRACT PLANS, OR APPROVED IN ADVANCE BY THE CITY ENGINEER.
- NOT ALL OVERHEAD UTILITIES ARE SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY LOCATIONS AND USE CAUTION WHEN WORKING WITH EQUIPMENT NEAR OVERHEAD UTILITIES.
- ALL STREETS SHALL BE SWEEPED AND KEPT CLEAN AT THE END OF EACH DAY AND SHALL COMPLY WITH ALL APPLICABLE REGIONAL WATER QUALITY CONTROL BOARD REQUIREMENTS FOR THE DURATION OF THE PROJECT.
- DRIVEWAY ACCESS SHALL BE PROVIDED AT ALL TIMES. TRENCHING AND EXCAVATION SHALL BE PLATED OR TEMPORARILY BACKFILLED WITH AGGREGATE BASE MATERIAL. TEMPORARY CLOSURES SHALL BE ALLOWED WITH A MINIMUM 48 HRS NOTIFICATION TO RESIDENT(S) AND APPROVAL OF CITY.

DATUM

THE HORIZONTAL DATUM USED TO THIS PROJECT IS ON " STATE PLANE COORDINATES CALIFORNIA ZONE 3" - SPC CA3 AND VERICAL DATUM IS ON "NORTH AMERICAN VERTICAL DATUM 88"- "NAVD88".

SURVEY POINT #	NORTHING (FT)	EASTING (FT)	ELEV (FT)	DESCRIPTION
EL MO 1	1,965,222.28	6,096,533.91	152.03	PK ON EL MONTE
EL MO 2	1,966,600.18	6,097,577.51	126.42	PK AT EL MONTE AND ALMOND
EL MO 4	1,965,737.35	6,096,971.58	140.91	PK AT ELMONTE AND MILLS
EL MO 5	1,966,311.06	6,097,416.87	128.99	PK AT EL MONTE AND CASTLE
EL MO 6	1,965,289.16	6,096,627.16	151.16	PK AT EL MONTE AND CLARK

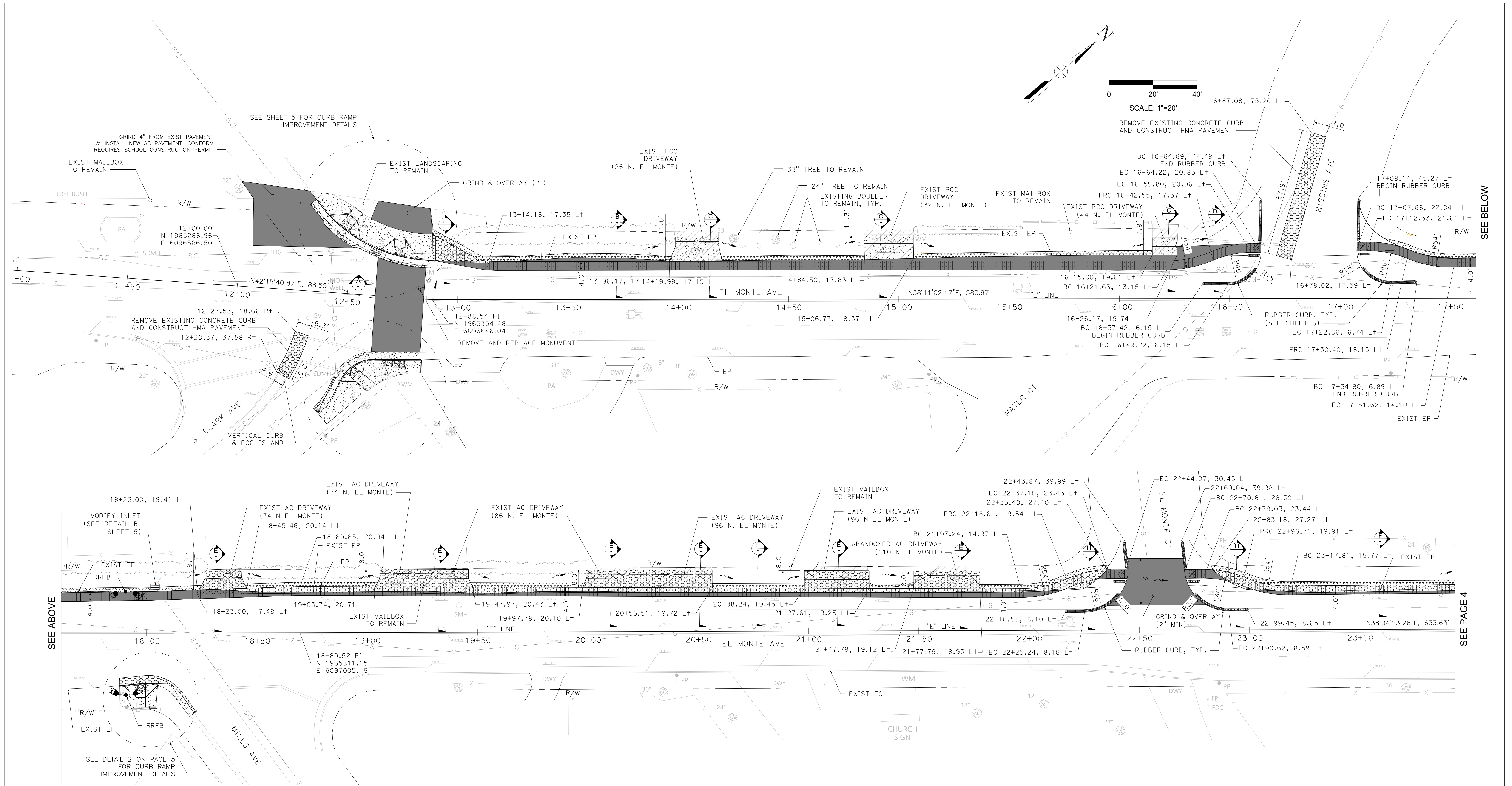
CIVIL NOTES:

- FOR CITY OF LOS ALTOS STANDARD DETAILS AND CALTRANS STANDARD PLANS REFERENCED, SEE SHEET No. 7 & 8.
- FOR SIDEWALK DETAILS, SEE CITY OF LOS ALTOS STANDARD DETAILS, SHEET SU-8.
- FOR CURB AND GUTTER DETAILS, SEE CITY OF LOS ALTOS STANDARD DETAILS, SHEET SU-6. ADJUST GUTTER SLOPE TO MATCH EXISTING PAVEMENT ELEVATION AT GUTTER LIP.
- FOR VERTICAL CURB DETAILS, SEE CITY OF LOS ALTOS STANDARD DETAILS, SHEET SU-7.
- FOR ROLLED CURB AND GUTTER DETAILS, SEE CITY OF LOS ALTOS STANDARD DETAILS, SHEET SU-6.
- FOR CURB RAMP DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLANS A88A.
- FOR CURB INLET DETAILS, SEE CITY OF LOS ALTOS STANDARD DETAILS, SHEET SD-4.
- SIDEWALK AND CURB RAMP SHALL BE CONSTRUCTED WITH 4" PCC OVER 6" AB.
- THE WIDTH OF DETECTABLE WARNING SURFACE SHALL MATCH THE WIDTH OF THE WALKWAY OR RAMP. THE DIMENSION OF THE DETECTABLE WARNING SURFACE SHALL BE 3 FEET IN THE DIRECTION OF TRAVEL.
- ALL CONFORM SAWCUTS FOR CONCRETE SECTIONS SHALL BE PLACED ALONG THE NEAREST SCORE LINE BEYOND THE IMPROVEMENT LIMITS SHOWN ON THE PLANS UNLESS DIRECTED OTHERWISE BY ENGINEER.
- REMOVE EXISTING CONCRETE IMPROVEMENTS THAT INTERFERE WITH PROPOSED IMPROVEMENTS.



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					DESIGN BY:	AZ			Drawing No.
					DRAWING BY:	AZ			SHT 2 OF 11
Rev.	Description	Date			CHECKED BY:	DA			



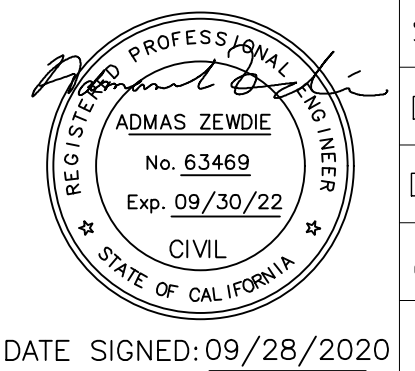
NOTES:
 1. FOR NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEET 2.



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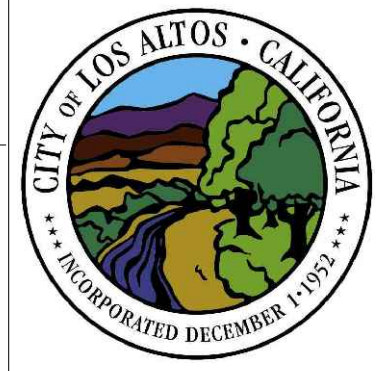
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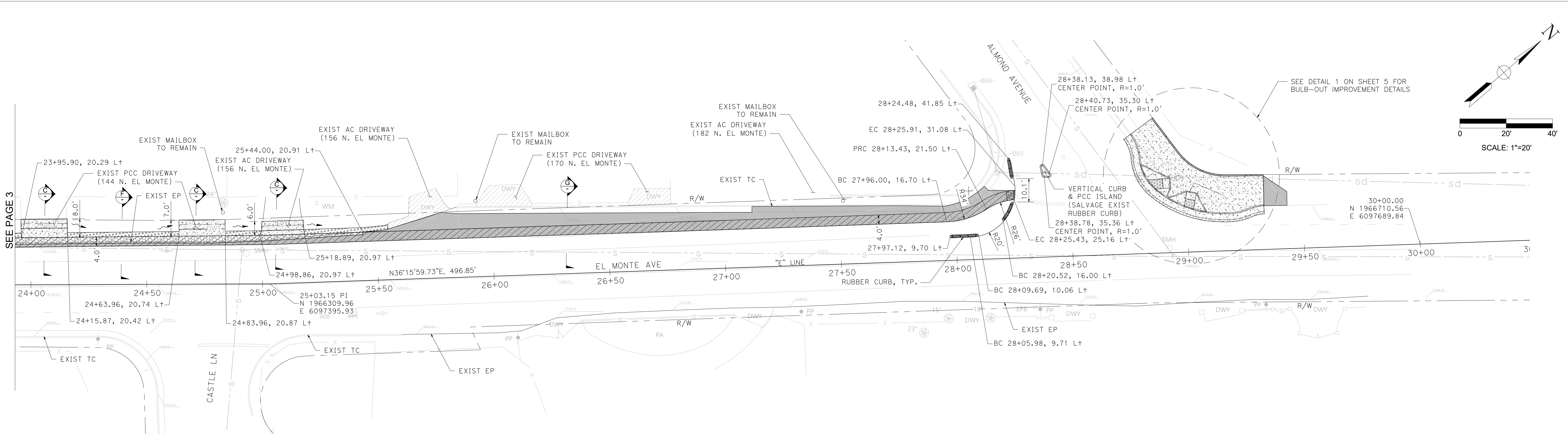
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DRAWING BY:	AZ
CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
 TS-01038

SIDEWALK GAP CLOSURE IMPROVEMENT PLAN



City of Los Altos Santa Clara County California	City of Los Altos Project No. TS-01038
Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 3 OF 11



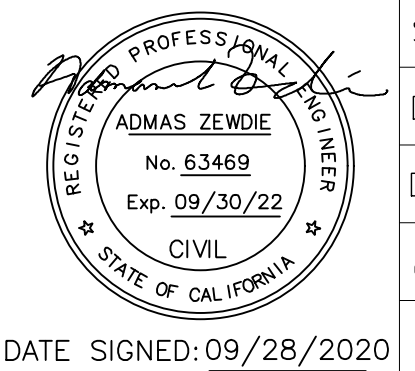
NOTES:
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 (510) 989-2420

R.C.E. 63469

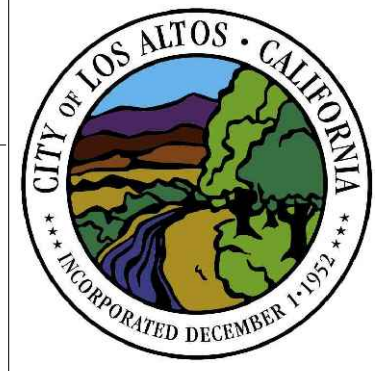


DATE SIGNED: 09/28/2020

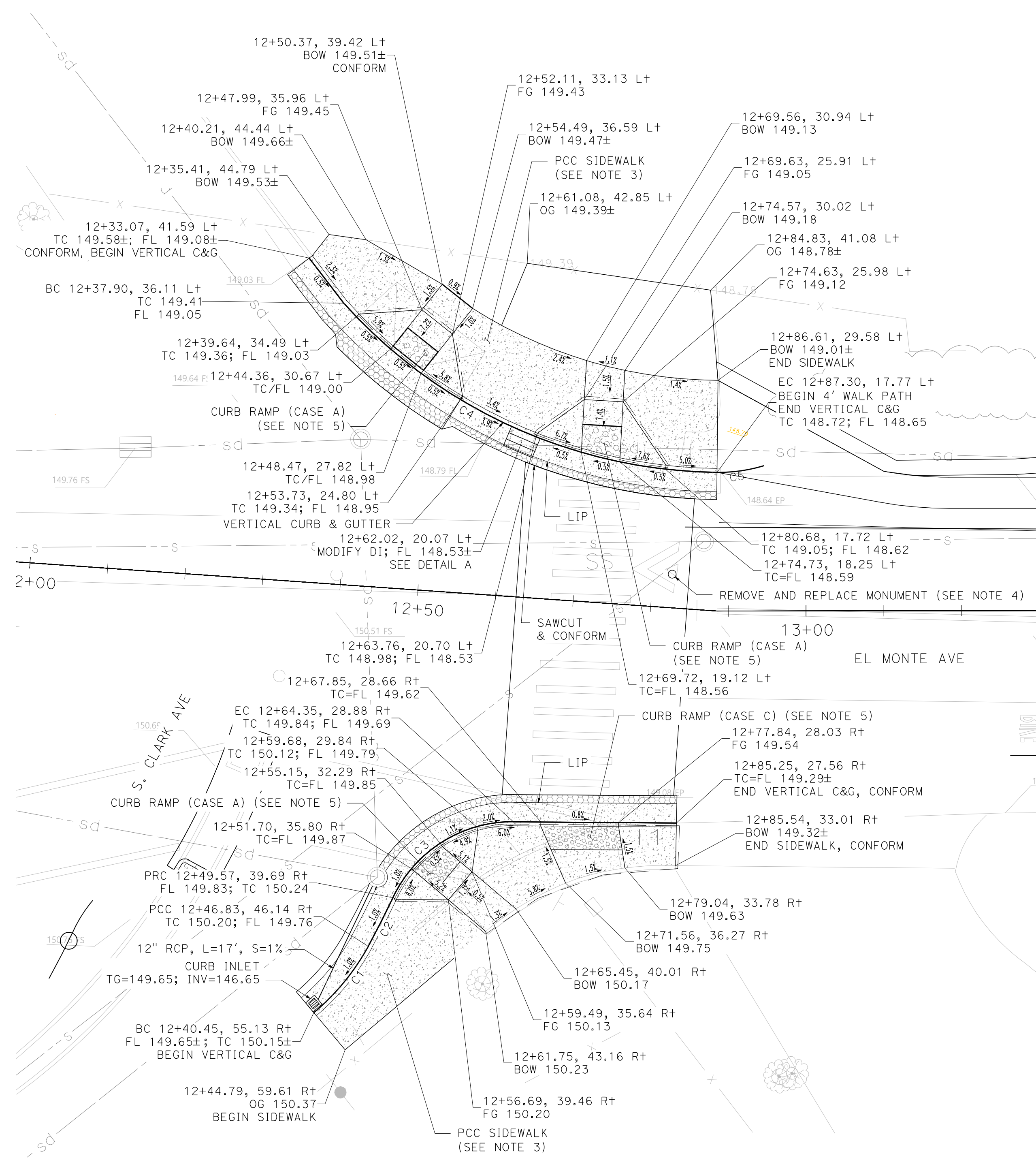
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DESIGN BY:	AZ
DRAWING BY:	AZ
CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
 TS-01038

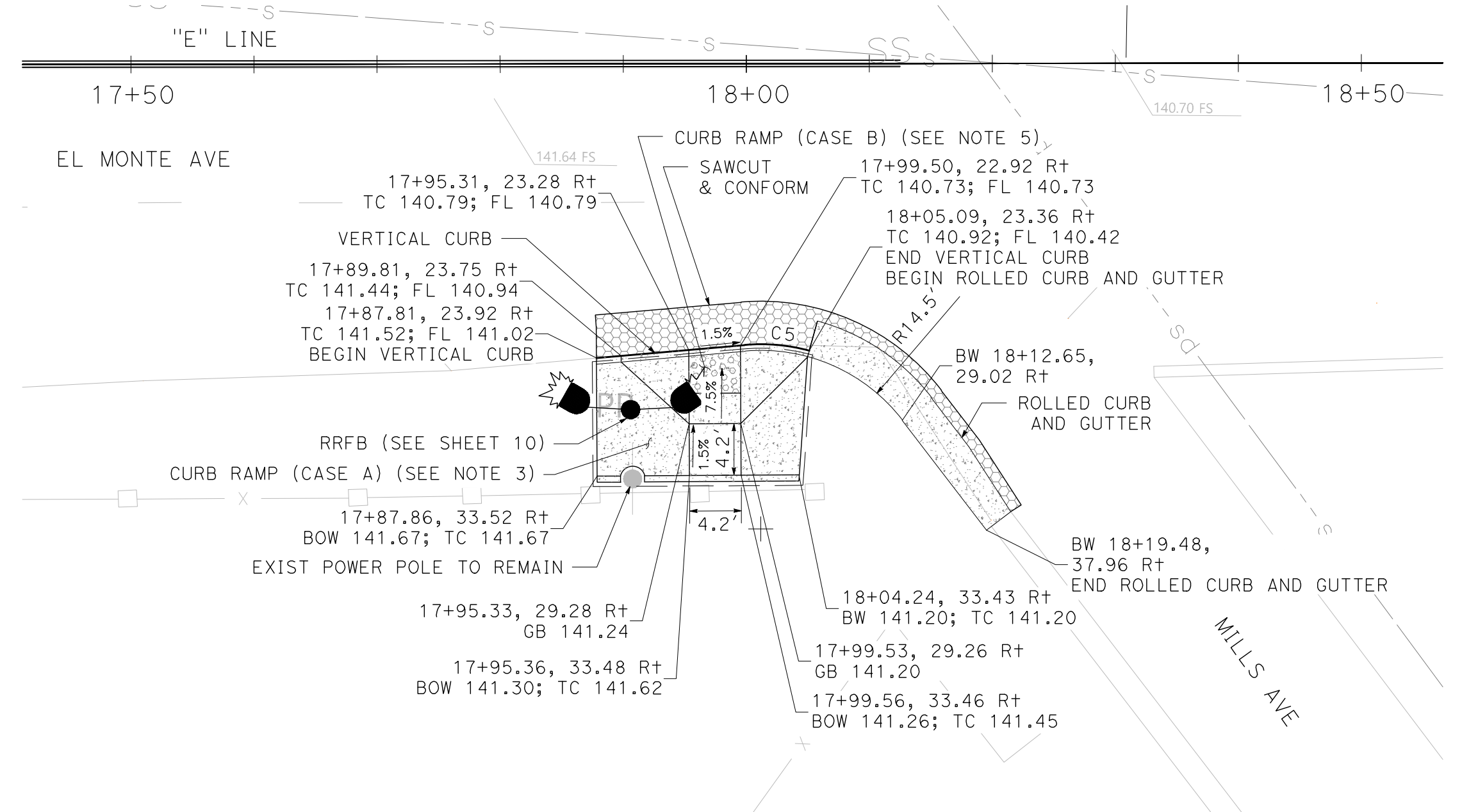
SIDEWALK GAP CLOSURE IMPROVEMENT PLAN



City of Los Altos Santa Clara County California	City of Los Altos Project No. TS-01038
Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 4 OF 11

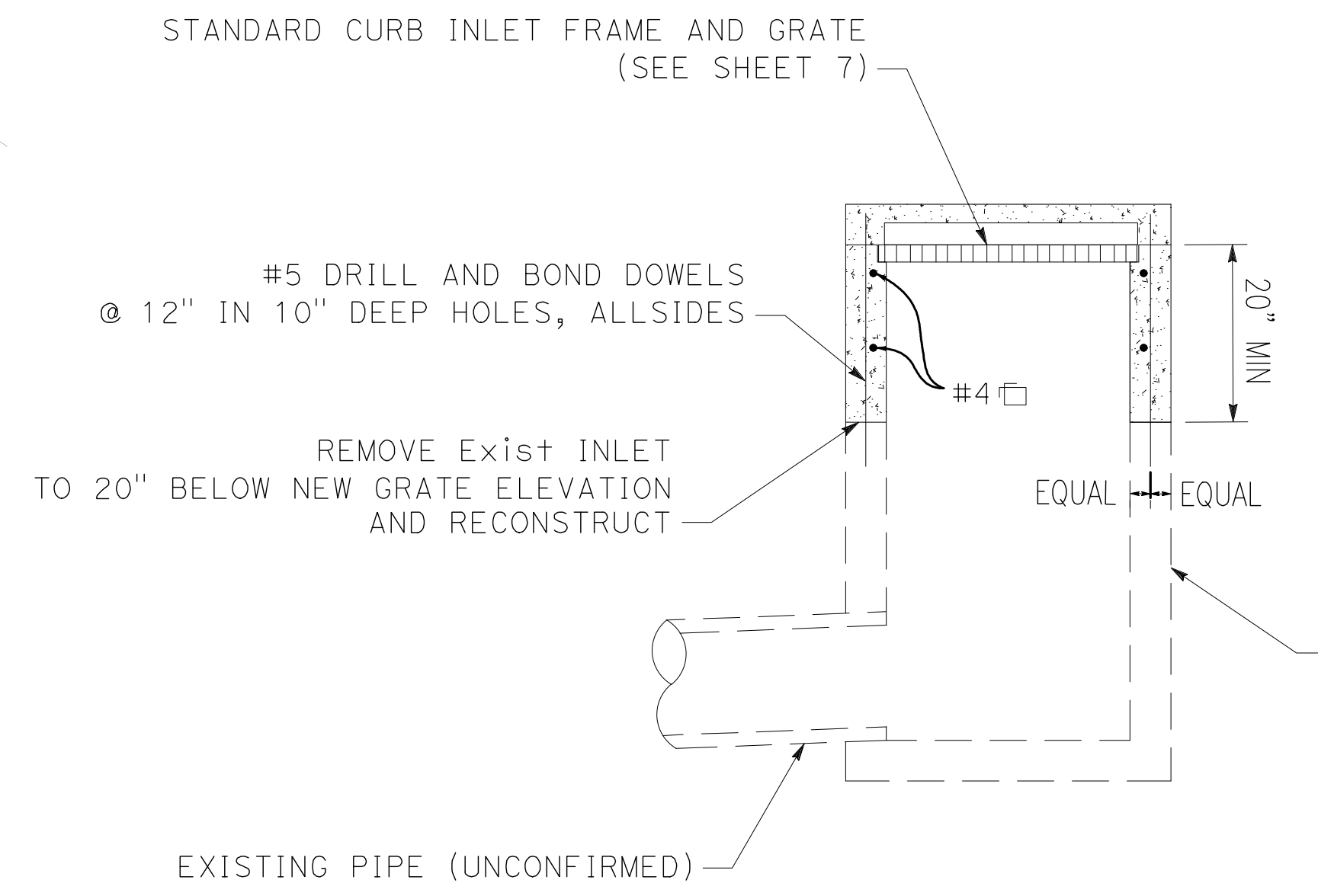


1 CLARK AVE / EL MONTE AVE CURB RAMP DETAIL
SCALE: 1"=10'

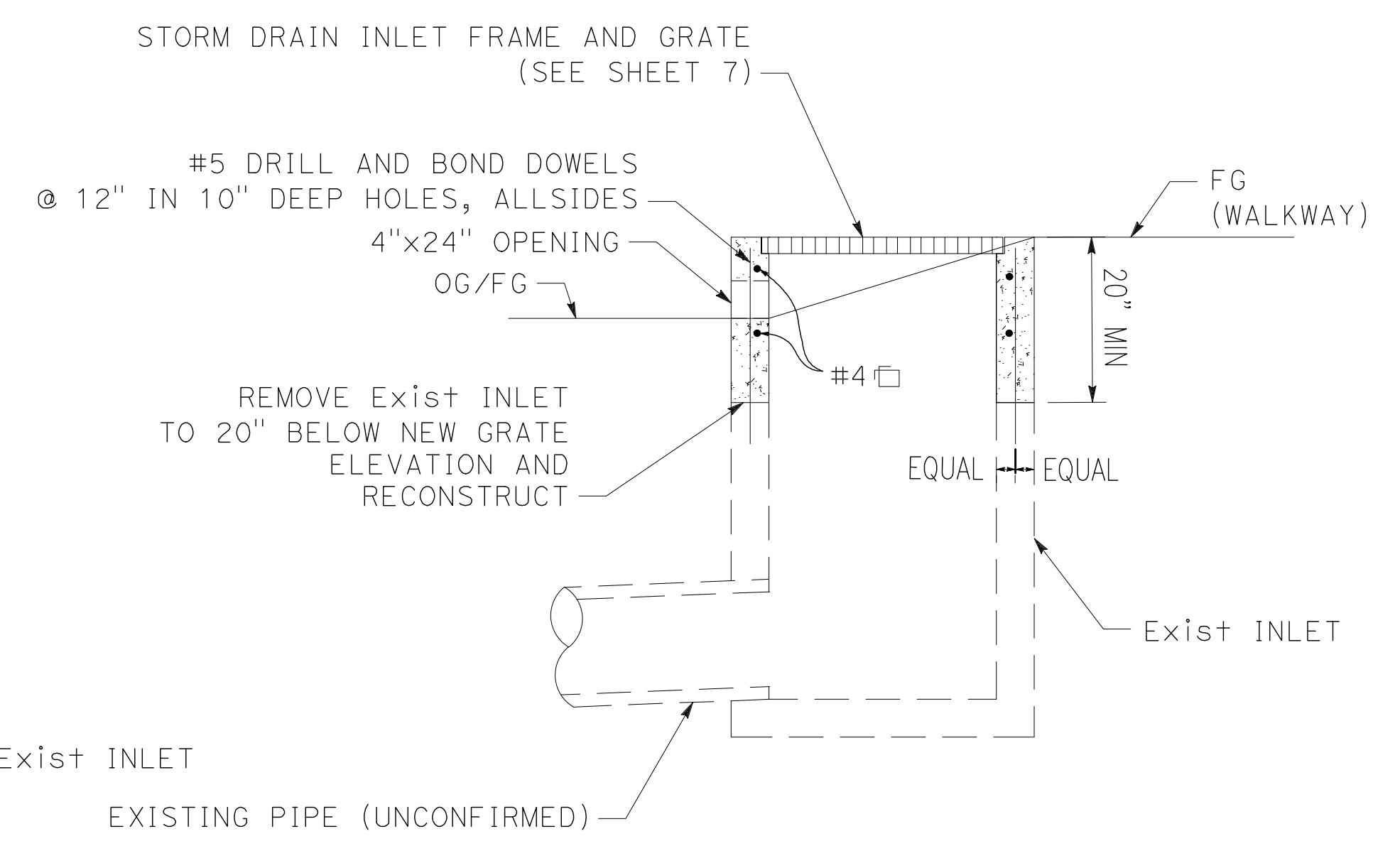


2 MILLS AVE / EL MONTE AVE CURB RAMP DETAIL
SCALE: 1"=10'

Curve Table				
No.	R	Δ	T	L
C1	30.00'	21°10'07"	5.61'	11.08'
C2	113.58'	3°32'21"	3.51'	7.02'
C3	17.00'	65°09'43"	10.86'	19.33'
C4	65.55'	47°23'43"	28.77'	54.22'
C5	15.00'	20°10'04"	2.67'	5.28'

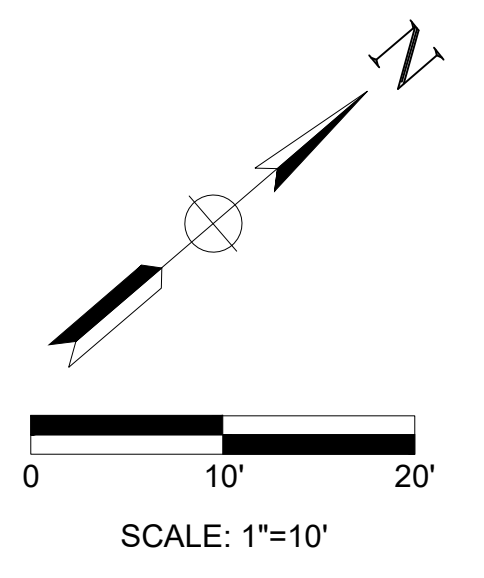


A MODIFY INLET
SCALE: NO SCALE



B MODIFY INLET
SCALE: NO SCALE

- NOTES:
- FOR NOTES, LEGEND, AND ABBREVIATIONS, SEE SHEET 2.
 - FOR "E" LINE ALIGNMENT INFORMATION, SEE SHEETS 3 AND 4.
 - ALL CONCRETE IMPROVEMENTS WITHIN THE LIMITS OF THE RESPECTIVE PROPOSED CONCRETE WORK SHALL BE REMOVED.
 - MONUMENT ADJUSTMENT SHALL BE RECORDED AT THE COUNTY PER SURVEYORS ACT.
 - COUNTER SLOPE OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24 INCHES OF THE CURB RAMP SHALL NOT BE STEEPER THAN 5%.

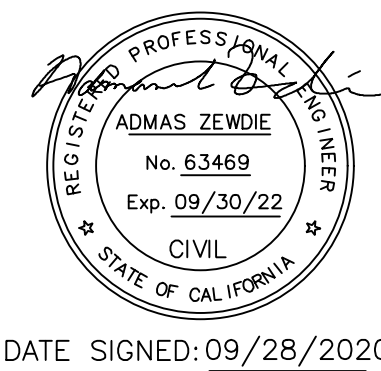


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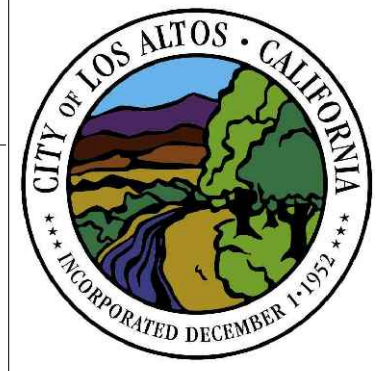


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SCALE:	AS SHOWN
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CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
TS-01038

CONSTRUCTION DETAILS



City of Los Altos
Santa Clara County
California

Engineering Services
Department
1 N. San Antonio Rd
Los Altos, CA
94022-3000

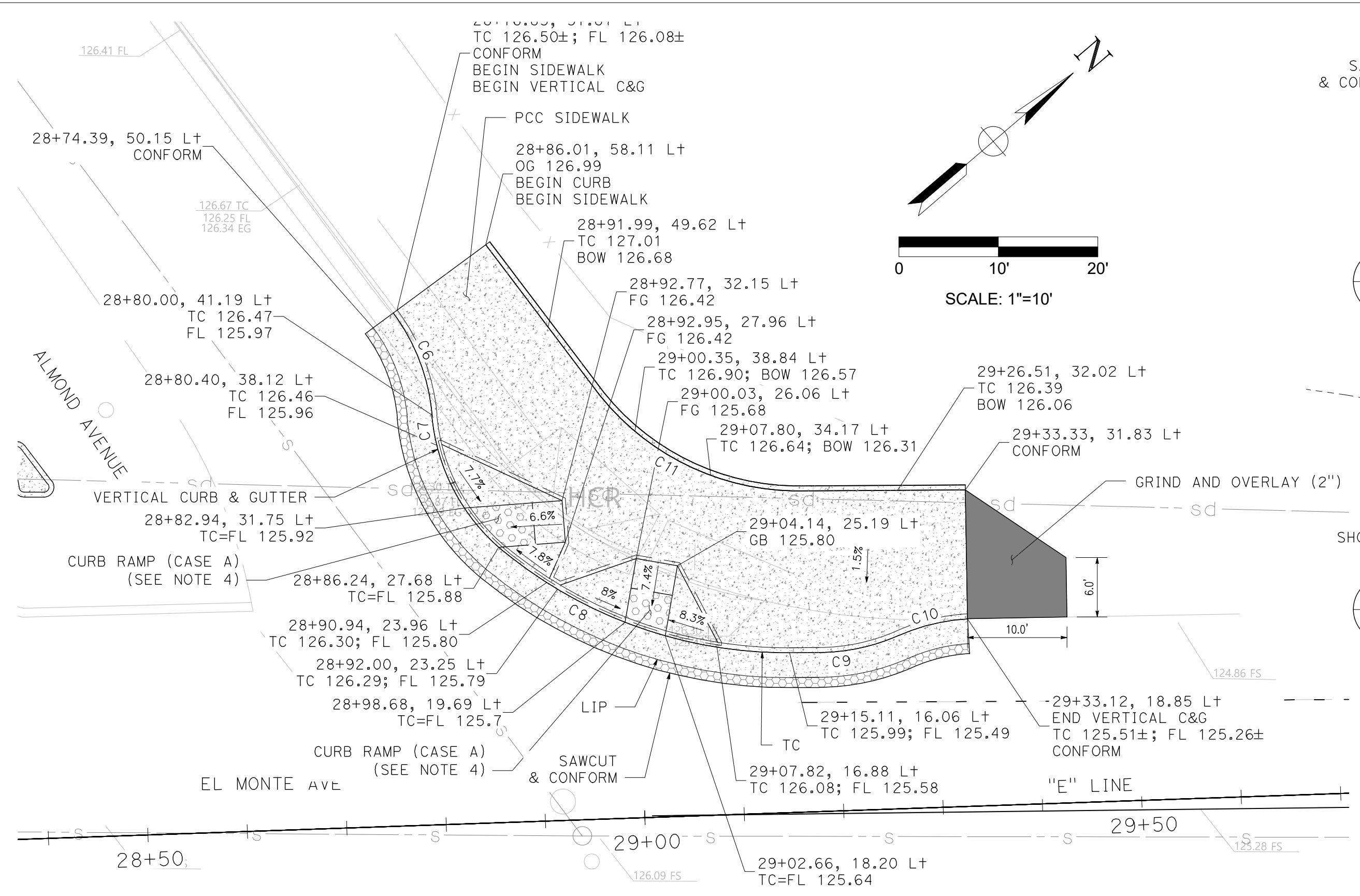
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Project No.
TS-01038

Drawing No.

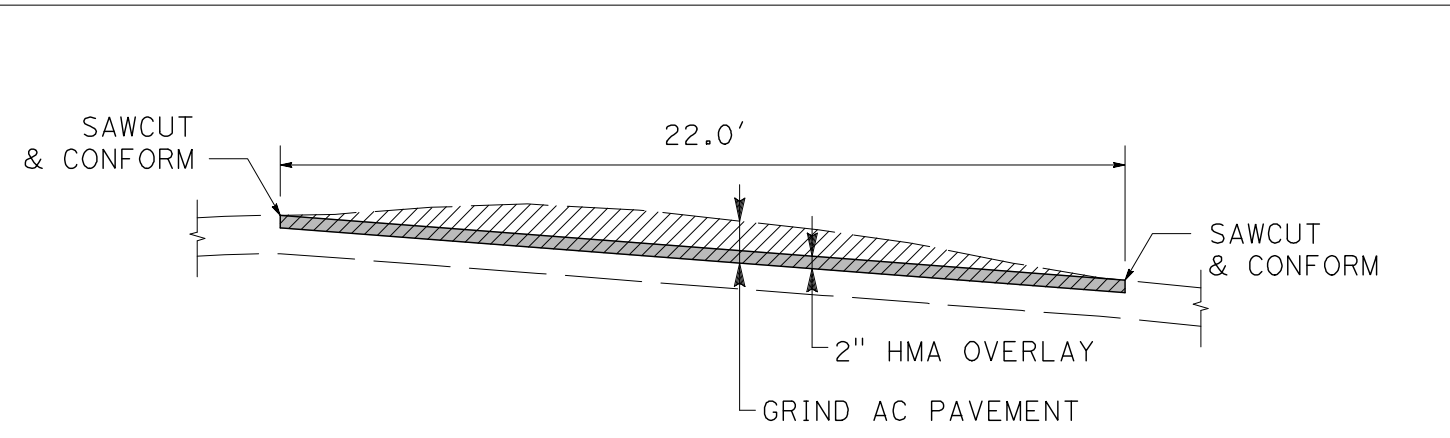
SHT 5 OF 11



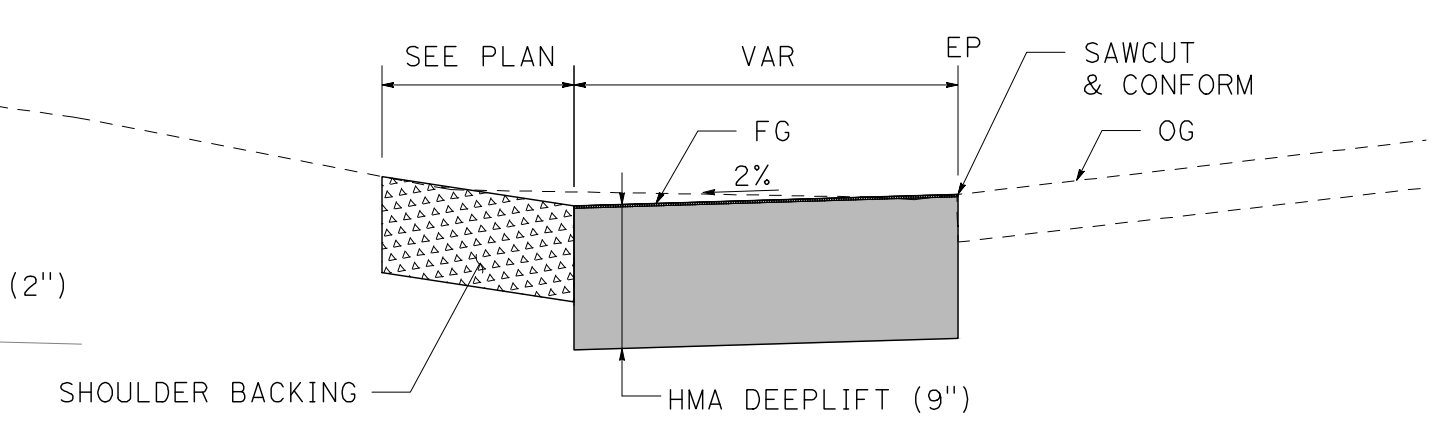
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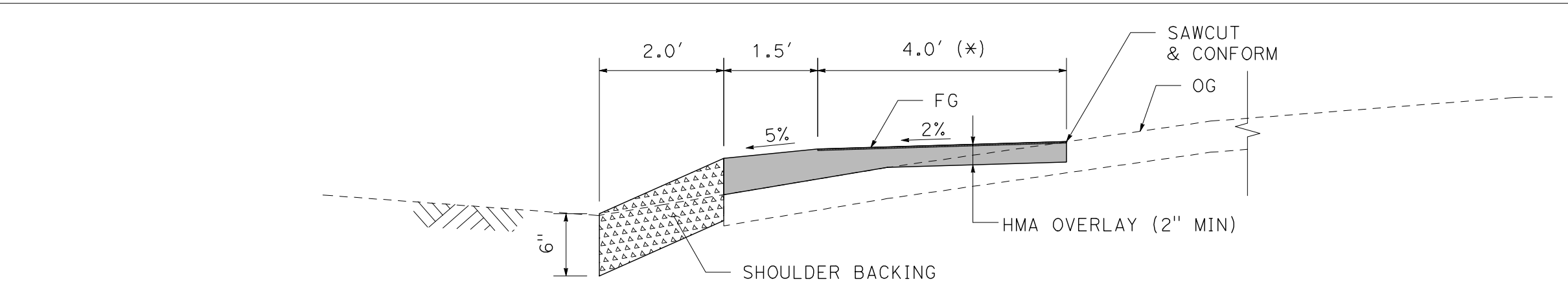
1 ALMOND AVE / EL MONTE AVE CURB RAMP DETAIL
SCALE: 1"=10'



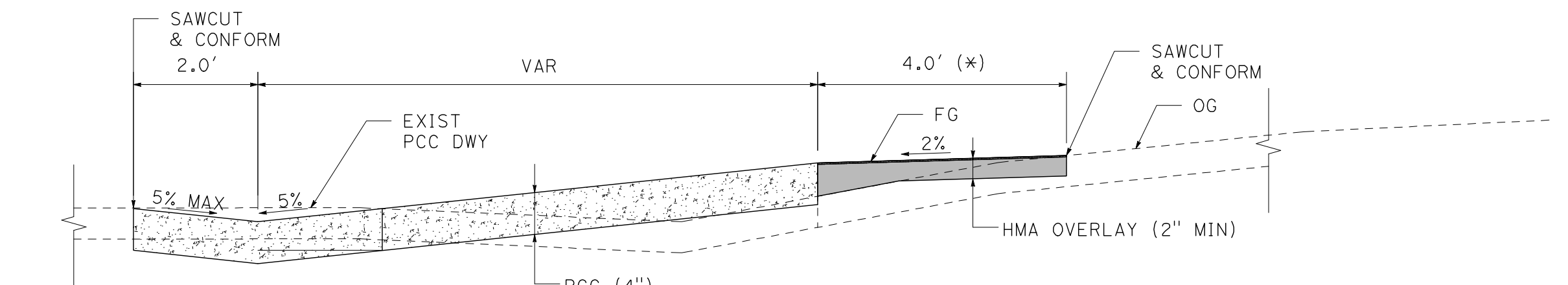
A SECTION A-A
SCALE: NO SCALE



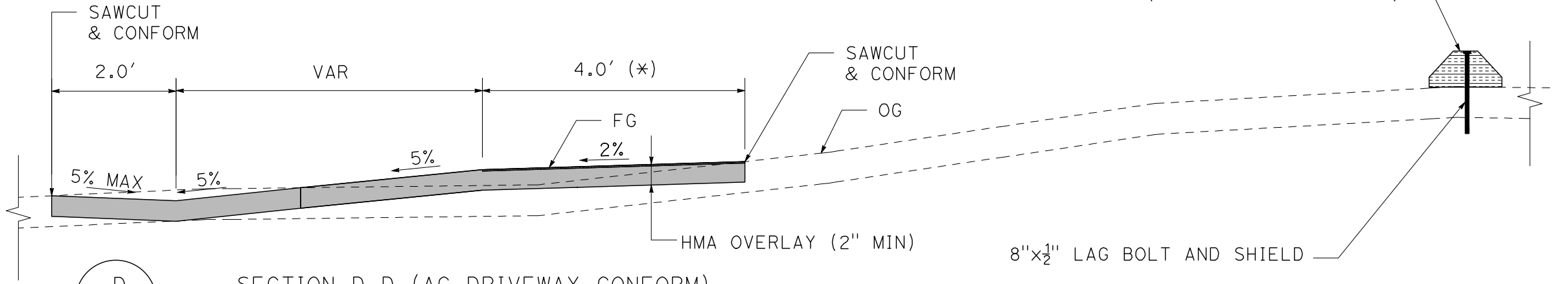
H SECTION H-H
SCALE: NO SCALE



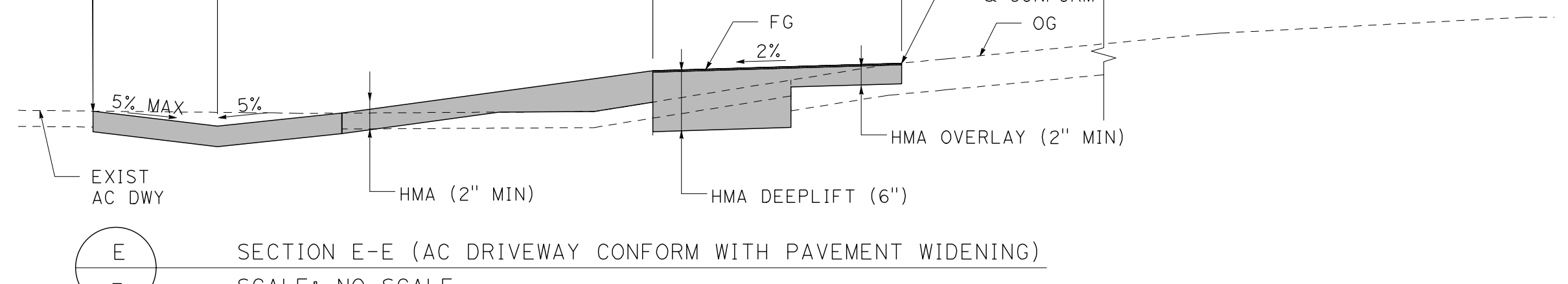
B SECTION B-B
SCALE: NO SCALE



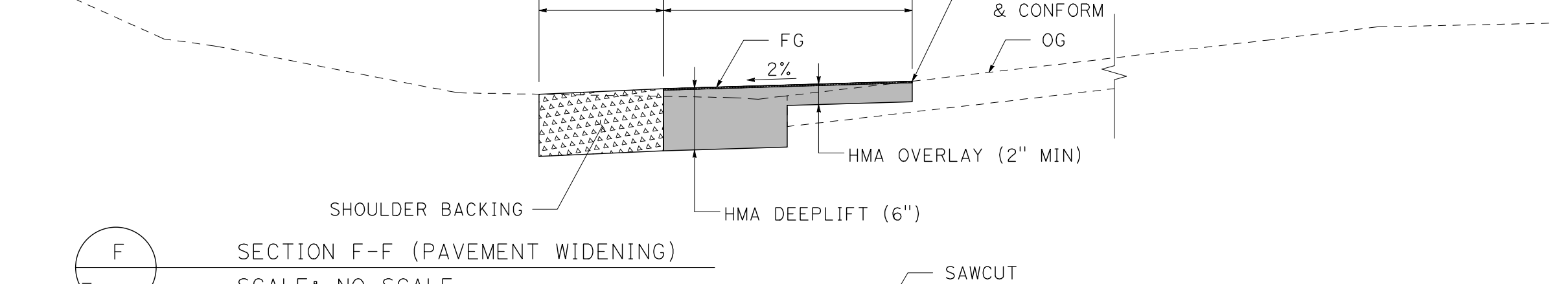
C SECTION C-C (PCC DRIVEWAY CONFORM)
SCALE: NO SCALE



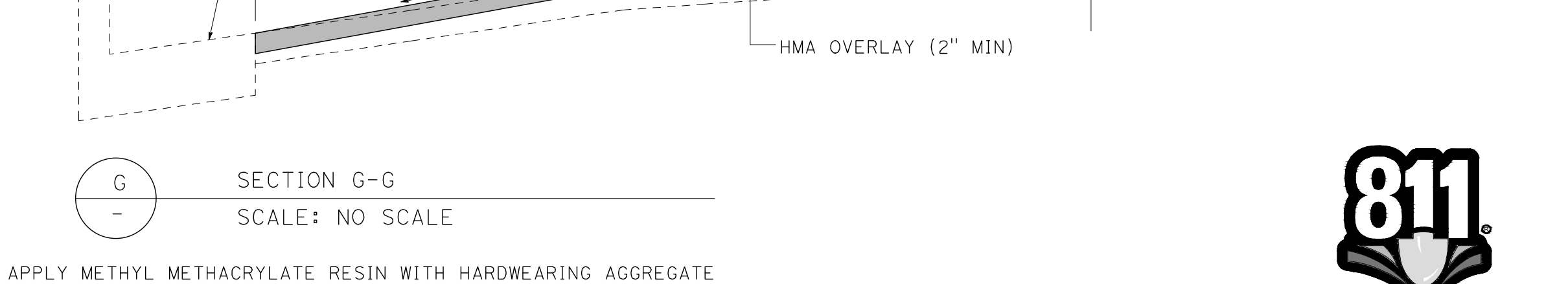
D SECTION D-D (AC DRIVEWAY CONFORM)
SCALE: NO SCALE



E SECTION E-E (AC DRIVEWAY CONFORM WITH PAVEMENT WIDENING)
SCALE: NO SCALE

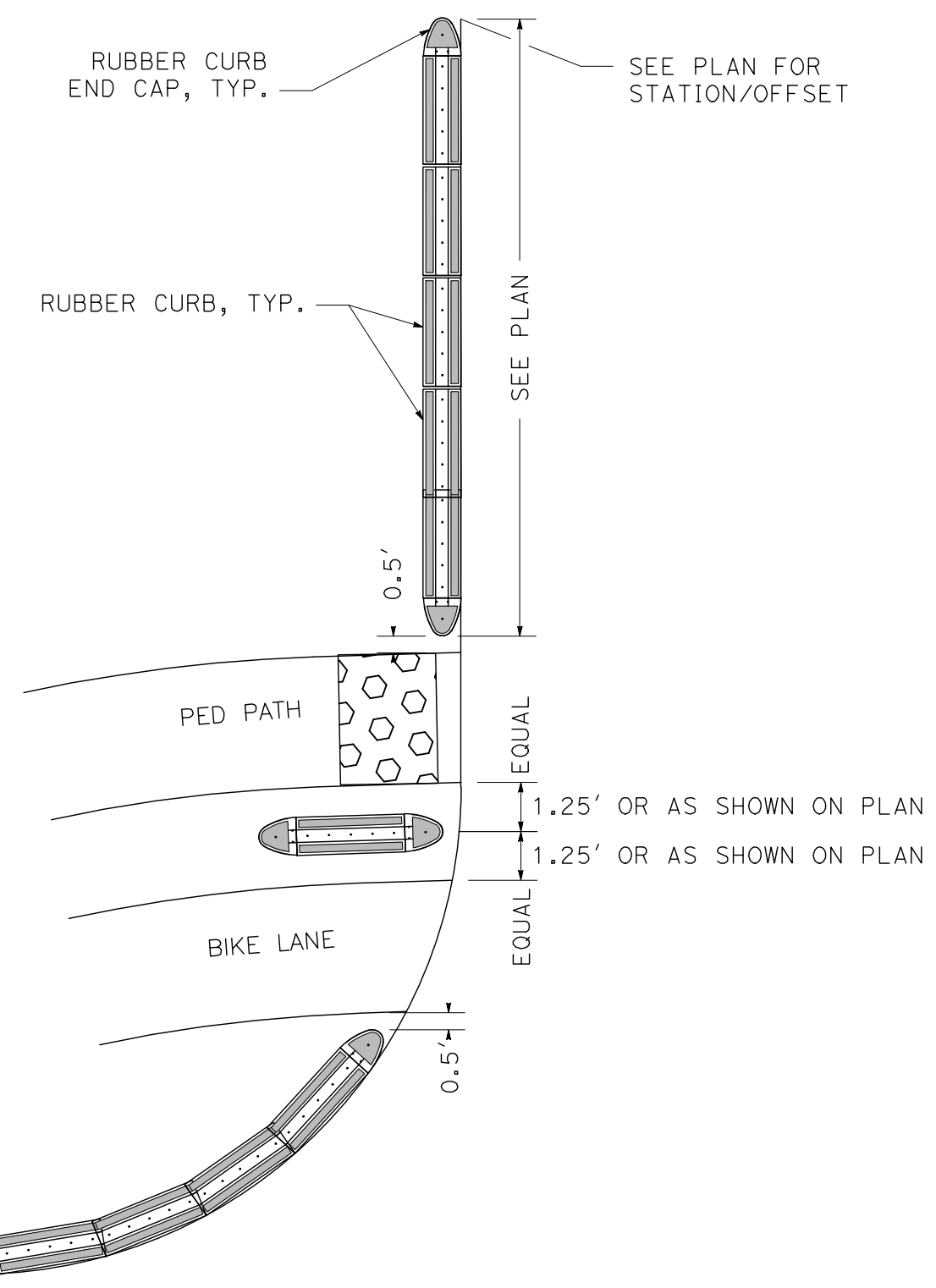


F SECTION F-F (PAVEMENT WIDENING)
SCALE: NO SCALE



G SECTION G-G
SCALE: NO SCALE

Curve Table				
No.	R	Δ	T	L
C6	20.00'	31°50'12"	5.70'	11.11'
C7	20.00'	45°51'05"	8.46'	16.01'
C8	45.00'	39°30'57"	16.16'	31.04'
C9	20.00'	23°33'17"	4.17'	8.22'
C10	20.00'	20°36'04"	3.63'	7.19'
C11	25.52'	53°14'32"	12.79'	23.72'



2 RUBBER CURB CORNER BULB-OUT
SCALE: NO SCALE

RUBBER CURB AND END CAP SHALL BE "BUS LANE CURB" MANUFACTURED BY RUBBERFORM RECYCLED PRODUCTS, LLC., OR APPROVED EQUAL BY CITY ENGINEER. THE COLOR OF THE REFLECTORS ON THE RUBBER CURB SHALL BE WHITE.

- NOTES:
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 - COUNTER SLOPE OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24 INCHES OF THE CURB RAMP SHALL NOT BE STEEPER THAN 5%.

* APPLY METHYL METHACRYLATE RESIN WITH HARDWEARING AGGREGATE ON WALKWAY.

** EXTEND HMA OVERLAY OVER GUTTER PAN WHERE SHOWN ON PLAN. ADJUST OVERLAY DEPTH TO MAINTAIN POSITIVE DRAINAGE IN GUTTER. GRIND GUTTER AT CONFORMS AS NEEDED.



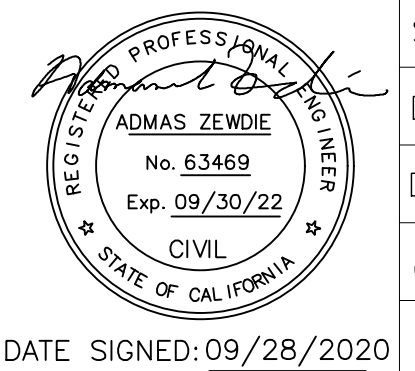
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(510) 989-2420

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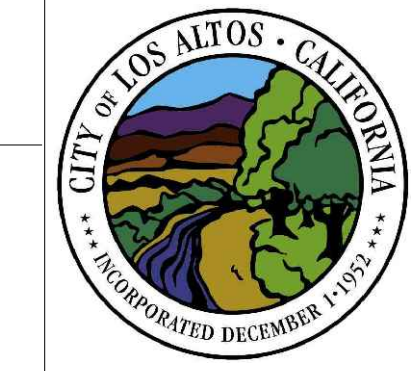


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DRAWING BY:	AZ
CHECKED BY:	DA

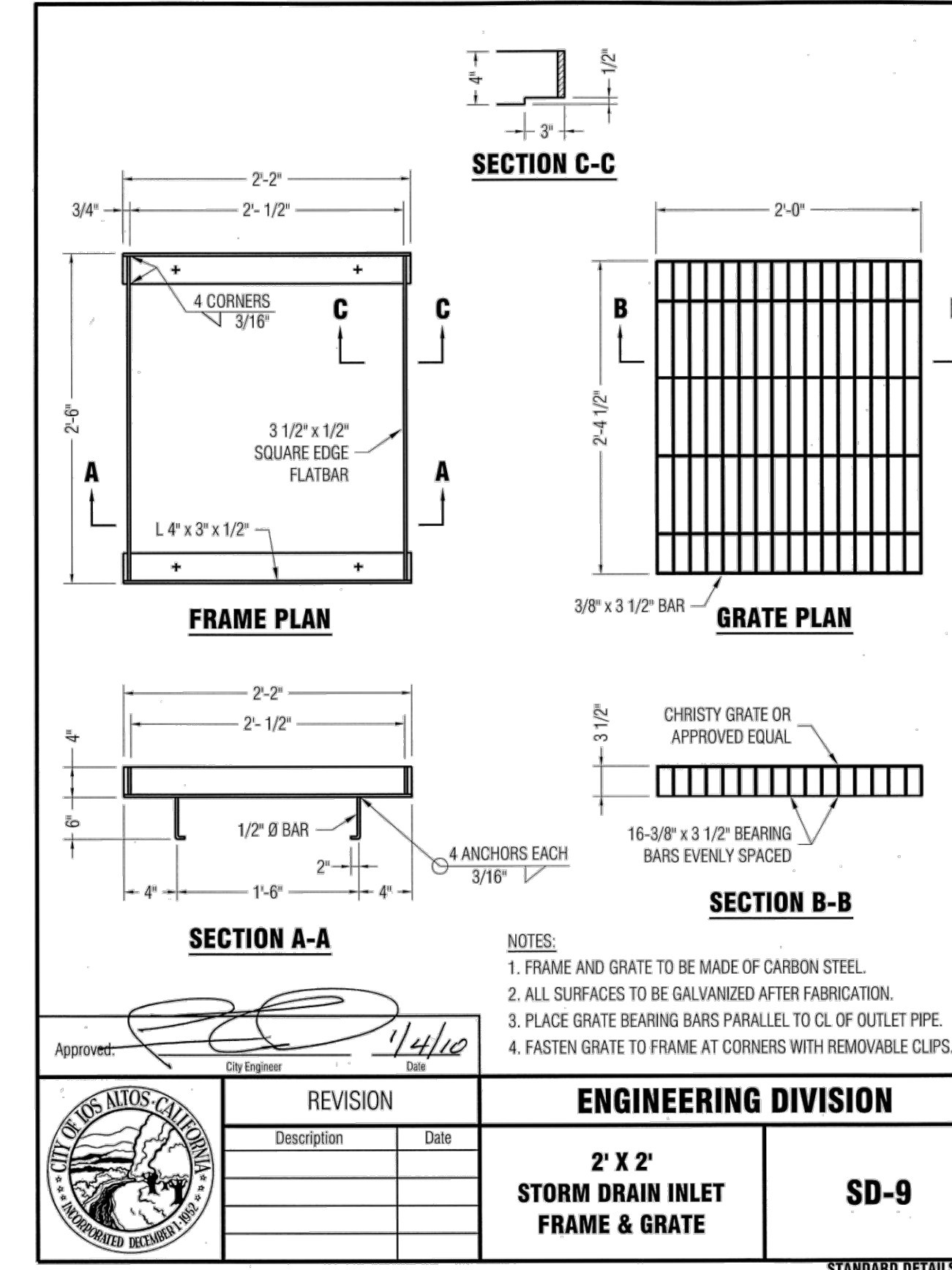
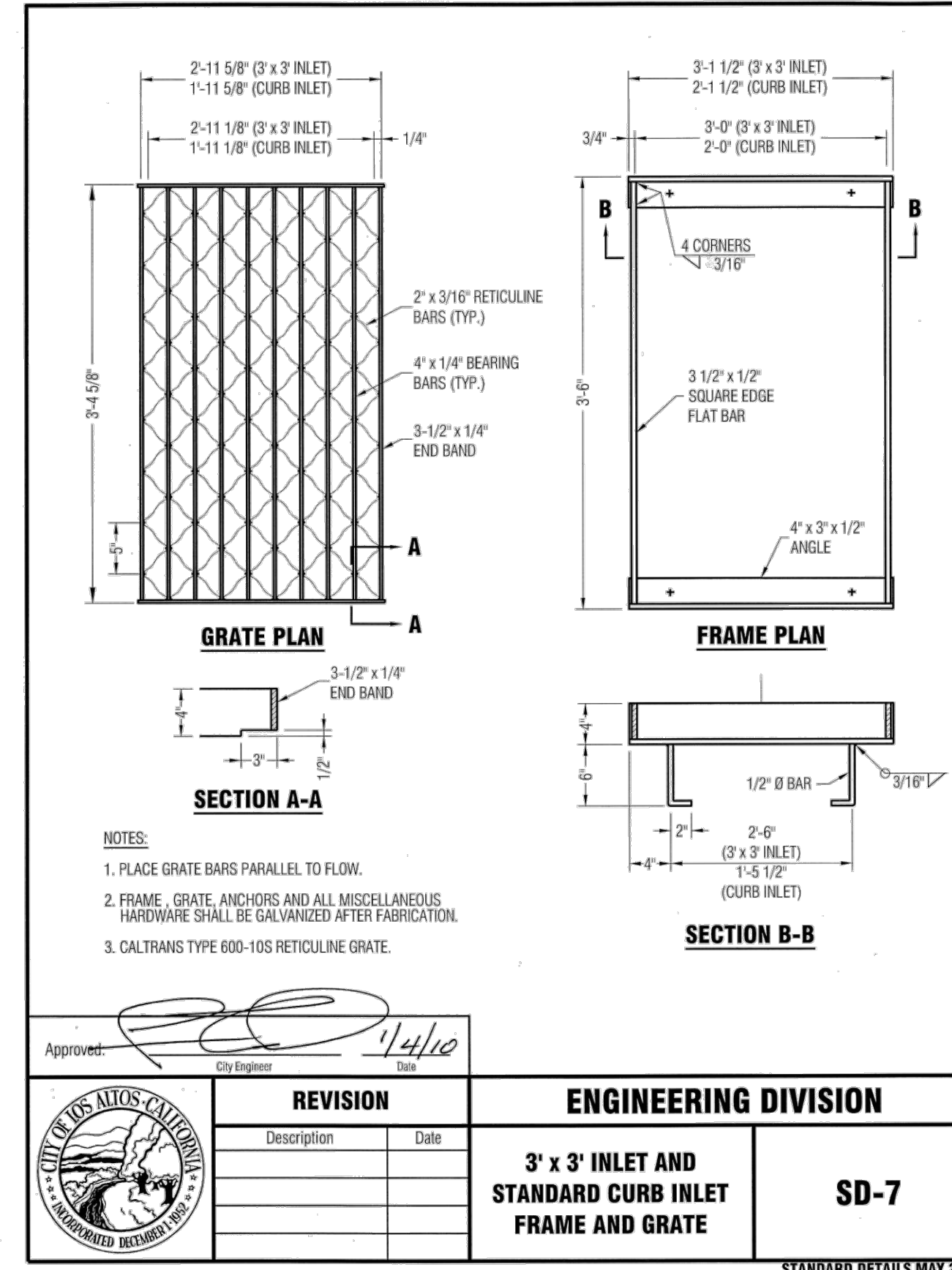
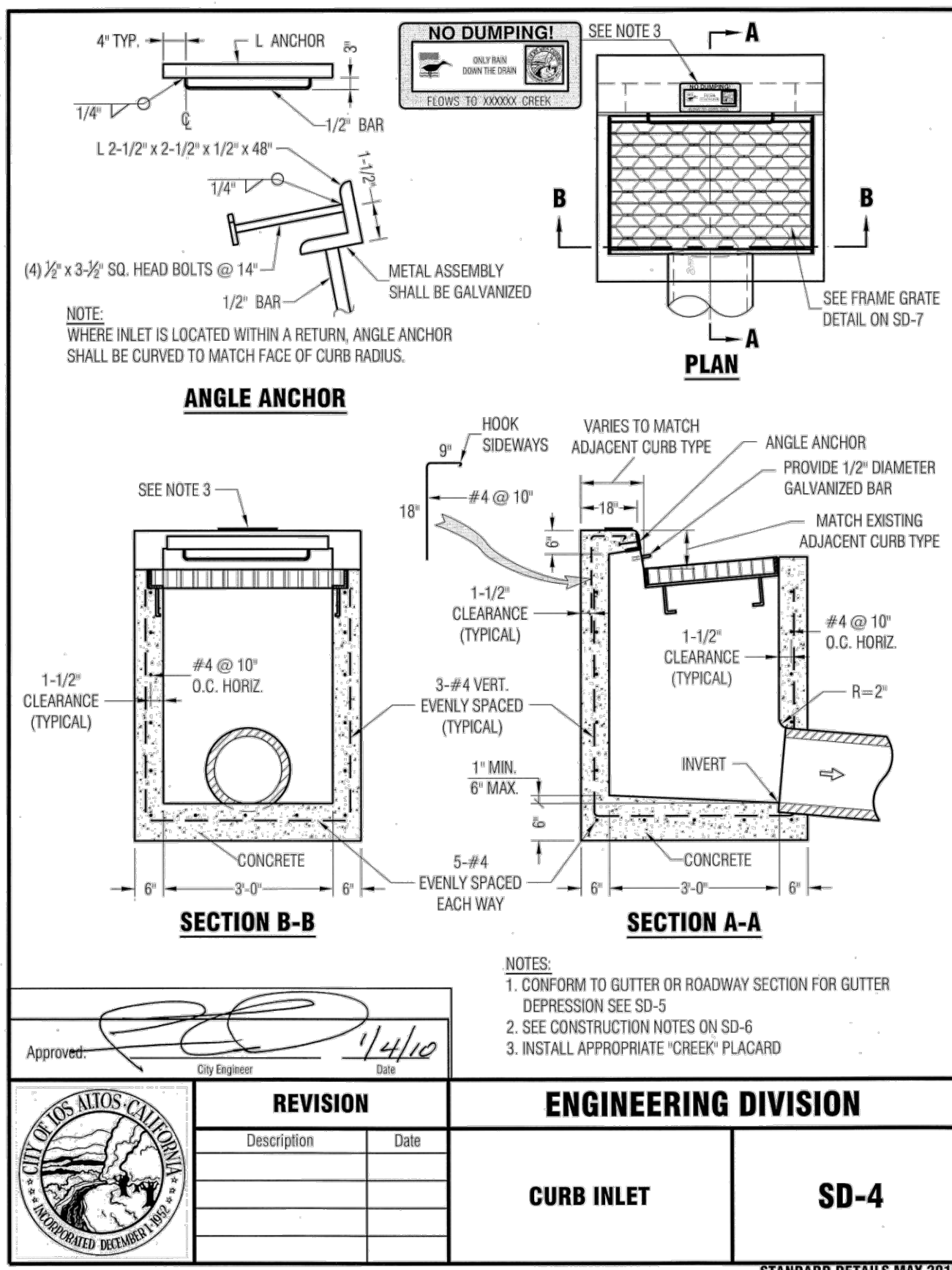
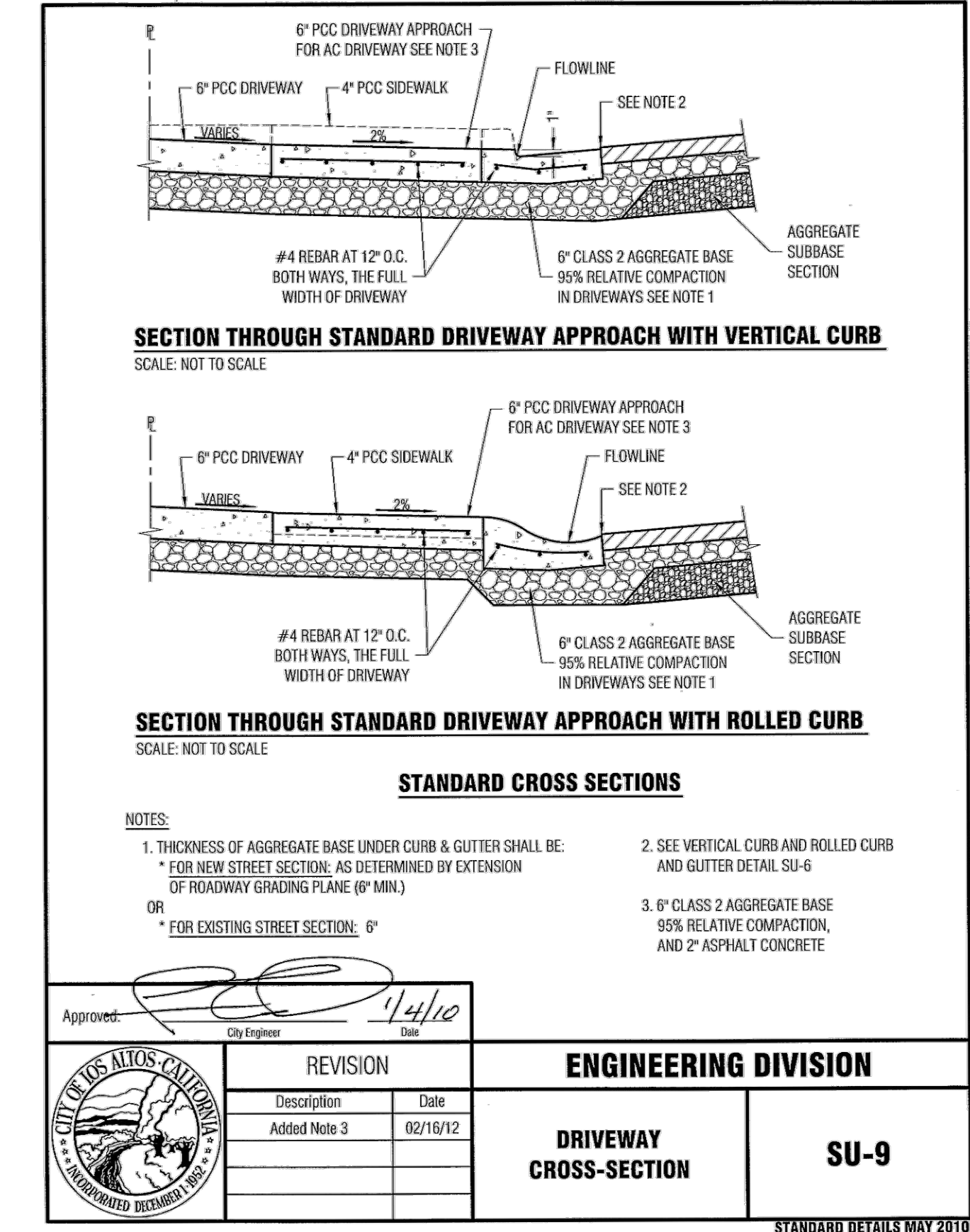
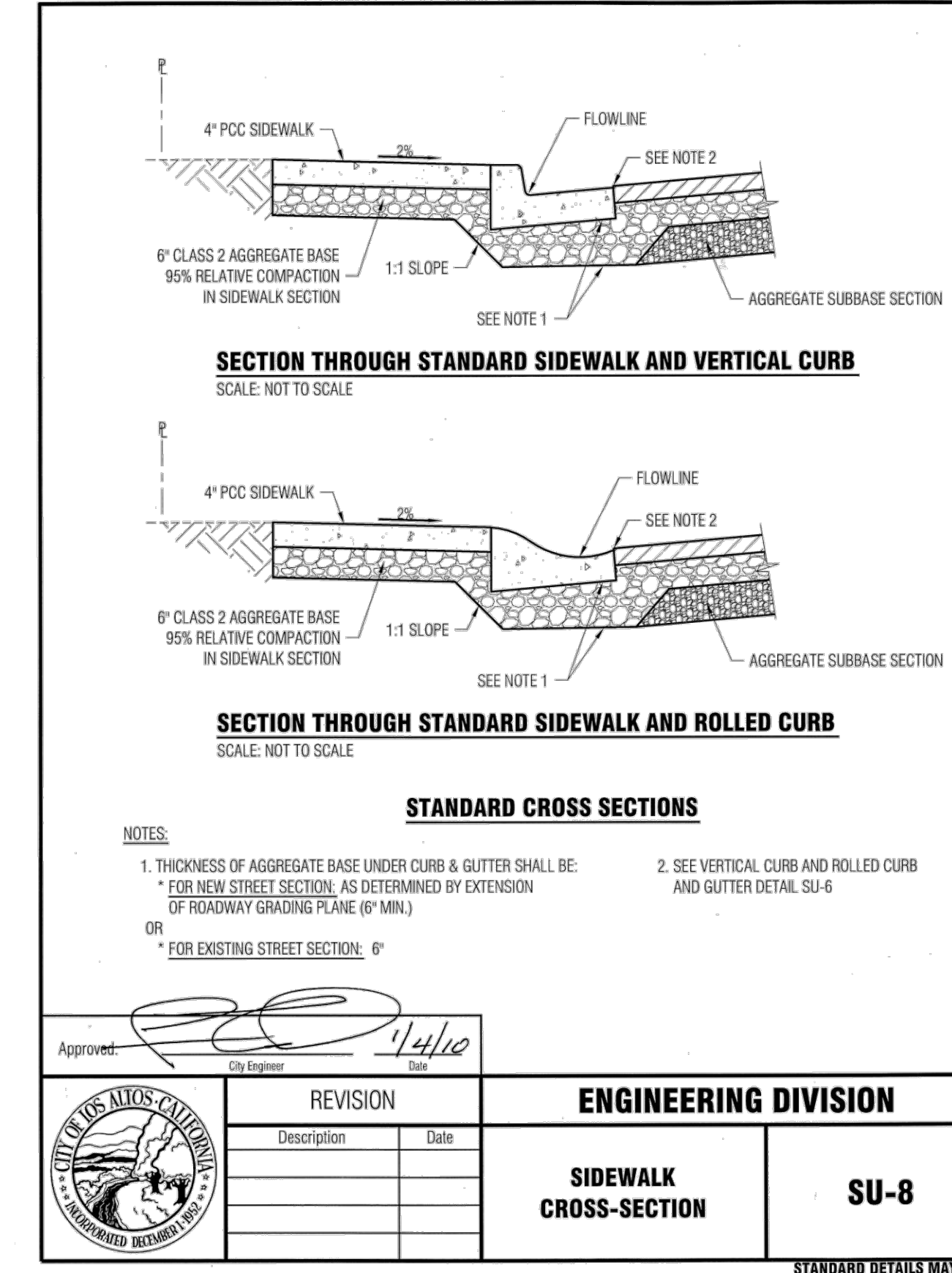
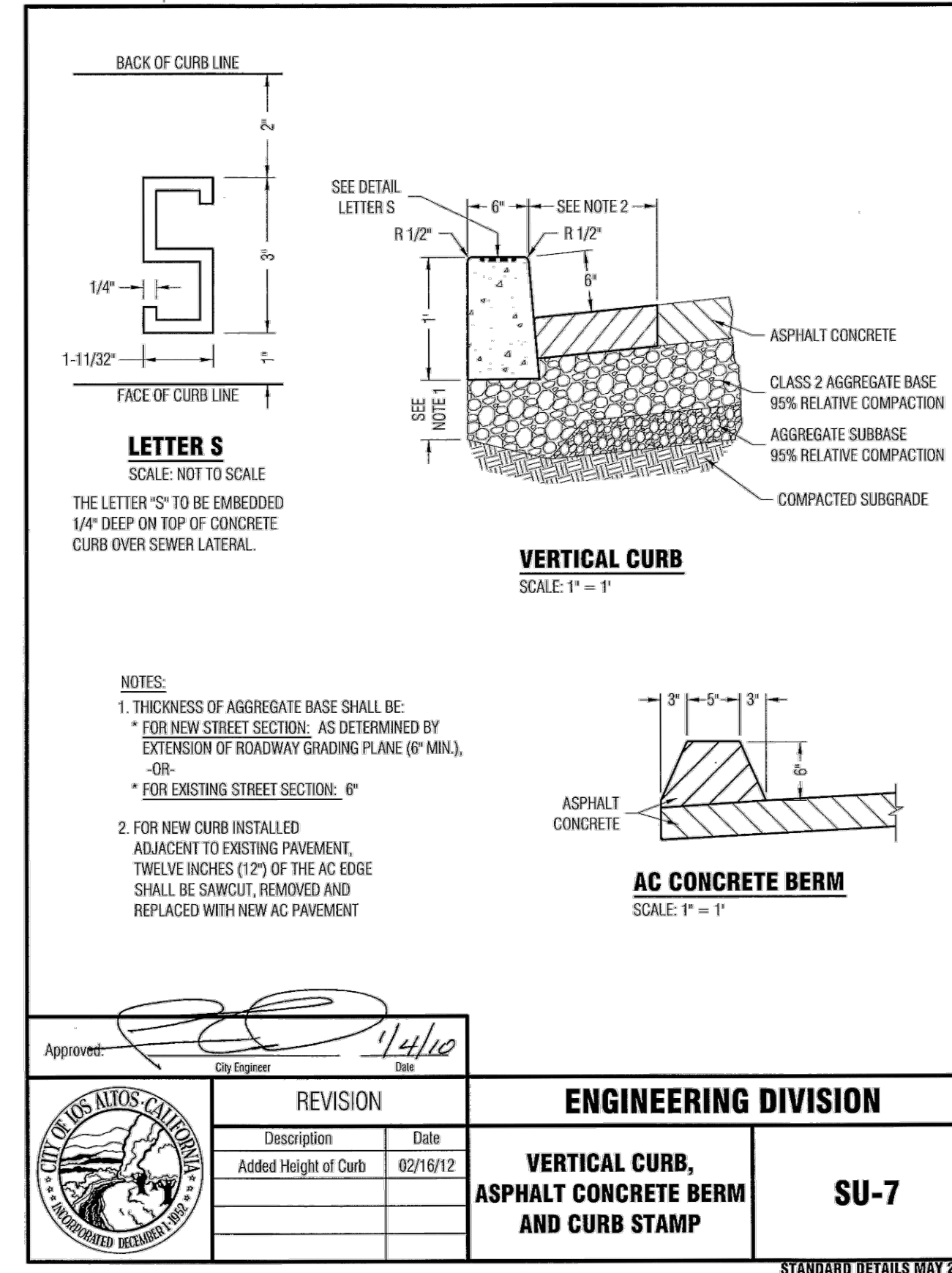
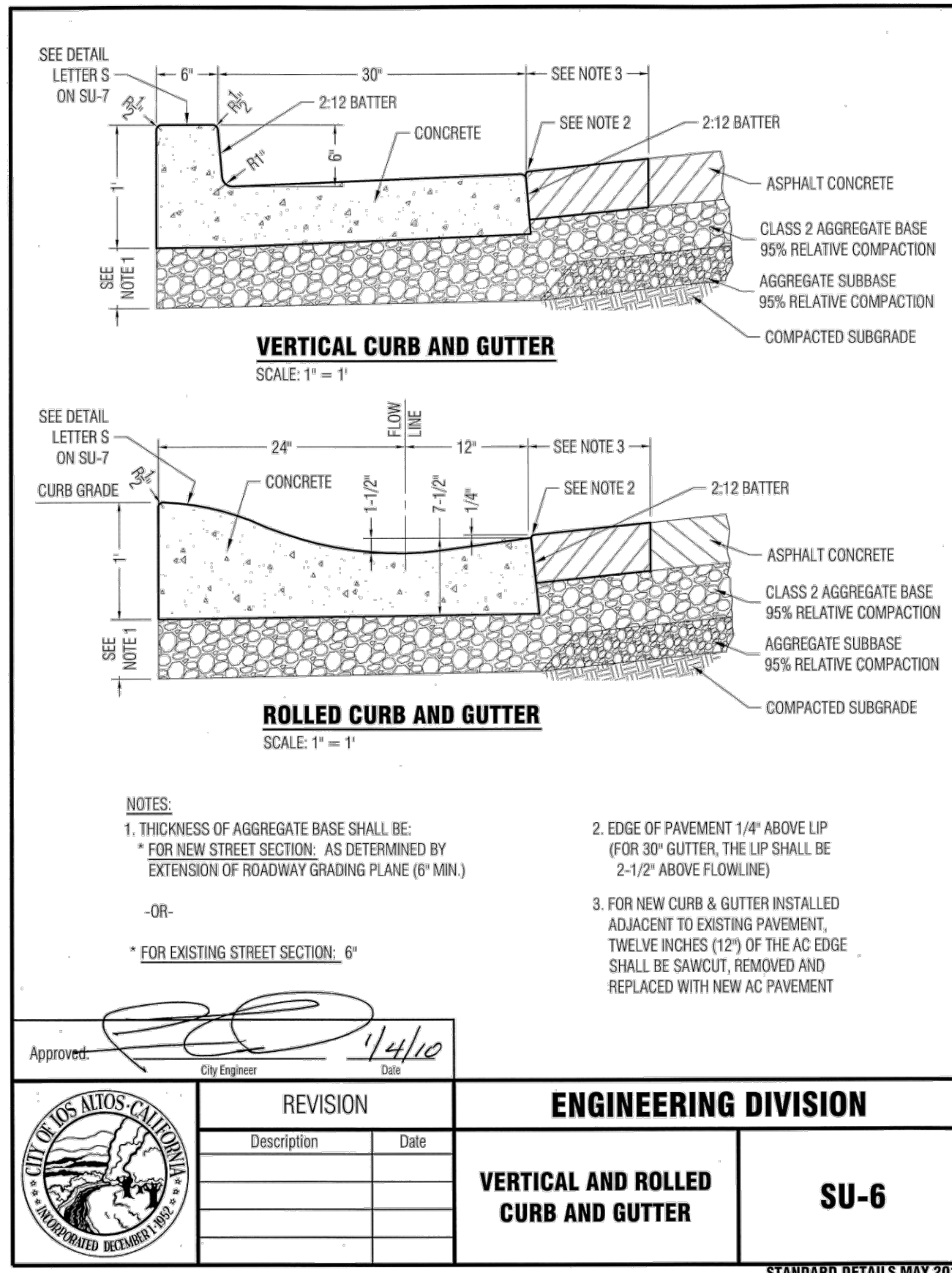
EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
TS-01038

CONSTRUCTOIN DETAILS



City of Los Altos
Santa Clara County
California
Engineering Services
Department
1 N. San Antonio Rd
Los Altos, CA
94022-3000

City of Los Altos
Project No.
TS-01038
Drawing No.
SHT 6 OF 11



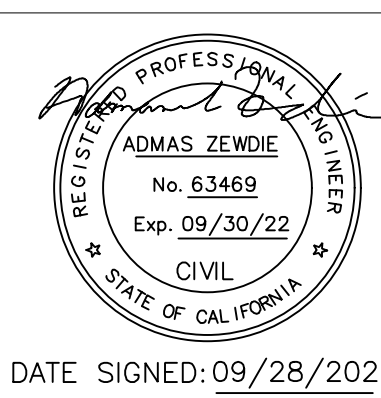
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Rev.	Description	Date
01	Bid Set	09/28/2020



7901 Oakport St, Suite 4225
Oakland, CA 94621
www.activewayzengineering.com
(510) 989-2420

R.C.E. 63469

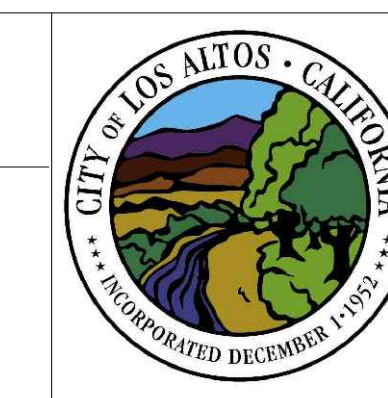


DATE SIGNED: 09/28/2020

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CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
TS-01038

CITY STANDARD DETAILS

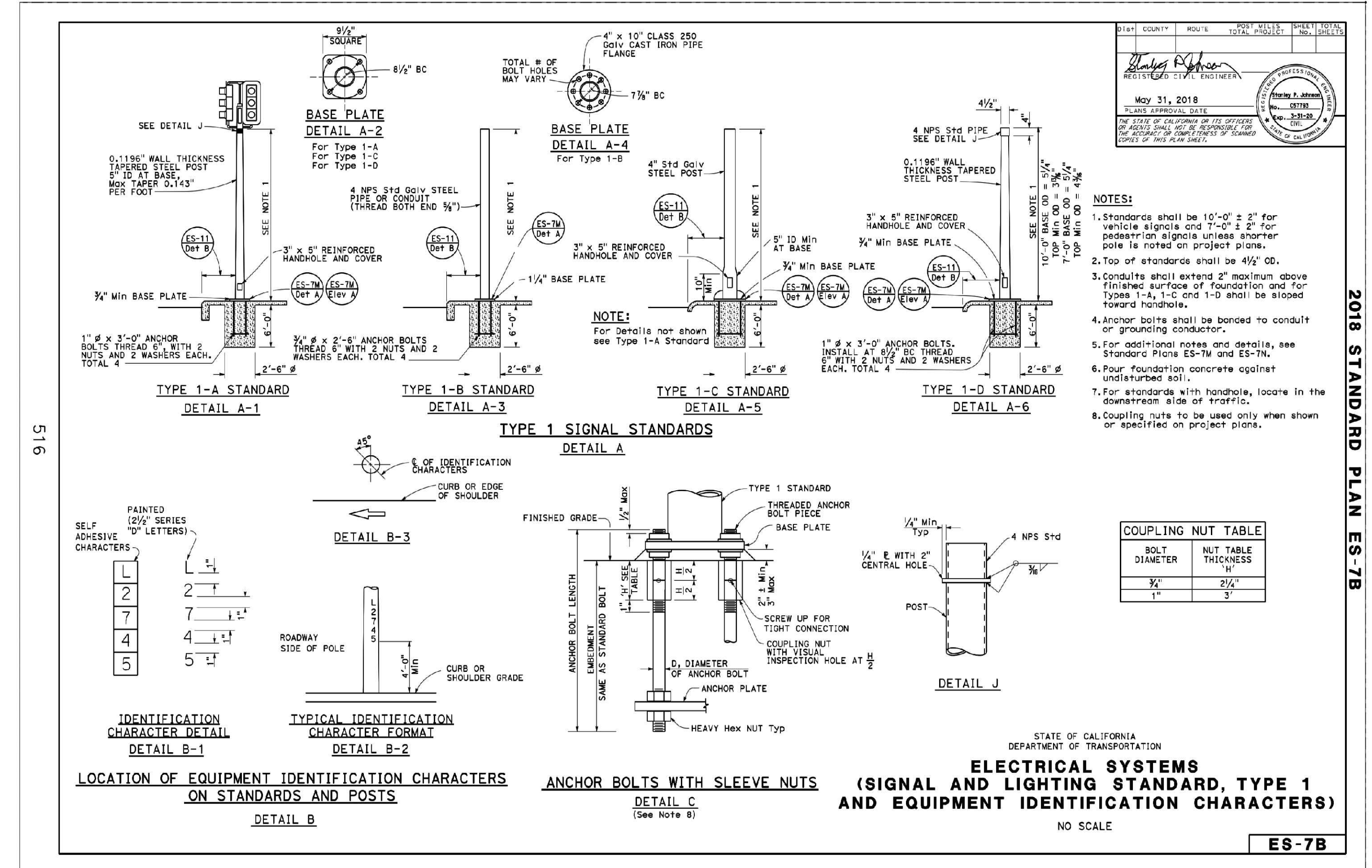
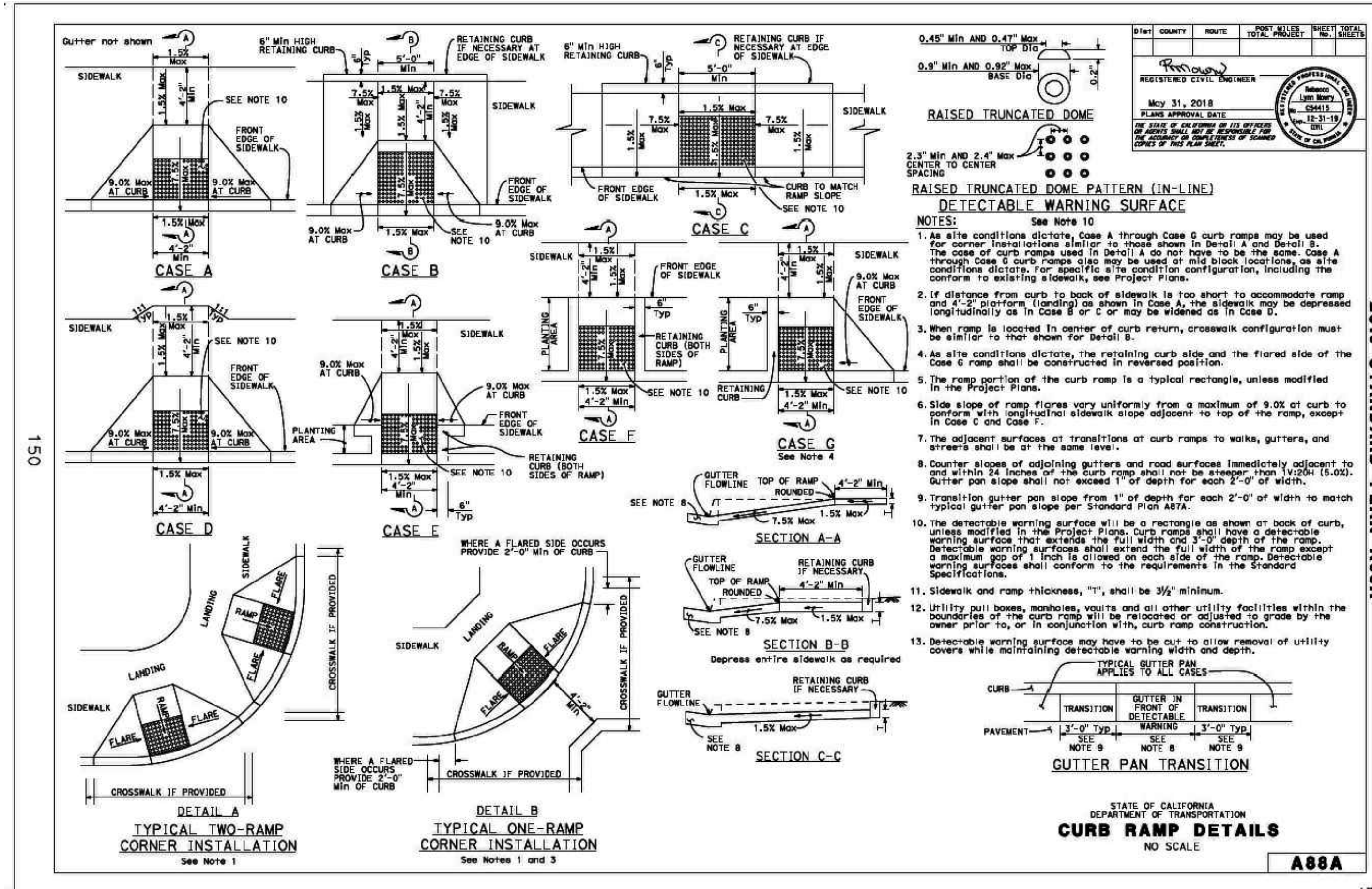


City of Los Altos
Santa Clara County
California
Engineering Services
Department
1 N. San Antonio Rd
Los Altos, CA
94022-3000

City of Los Altos
Project No.
TS-01038

Drawing No.

SHT 7 OF 11



Rev.	Description	Date
01	Bid Set	09/28/2020

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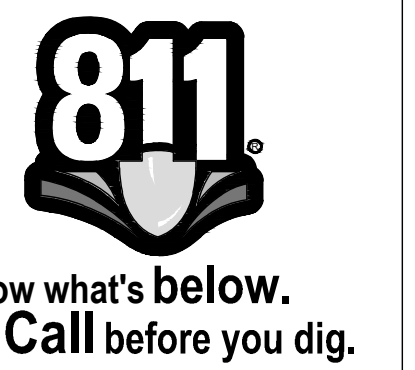
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DRAWING BY:	AZ
CHECKED BY:	DA

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
TS-01038
CALTRANS STANDARD DETAILS

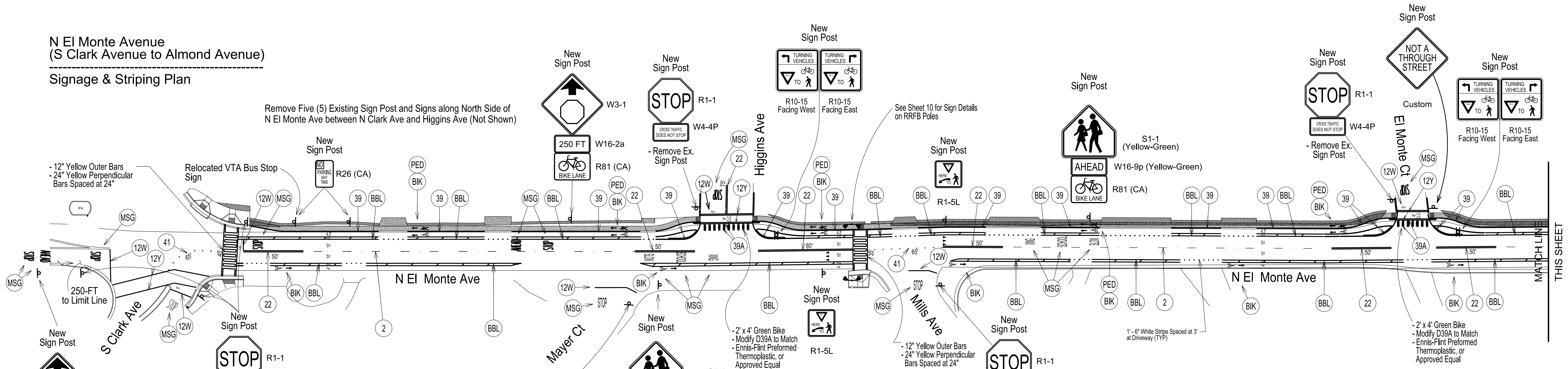
City of Los Altos
Santa Clara County
California

Engineering Services
Department
1 N. San Antonio Rd
Los Altos, CA
94022-3000

City of Los Altos
Project No.
TS-01038
Drawing No.
SHT 8 OF 11

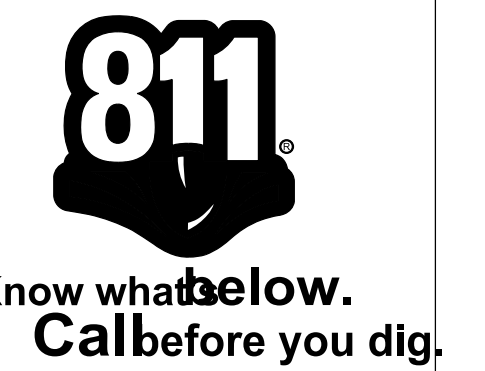
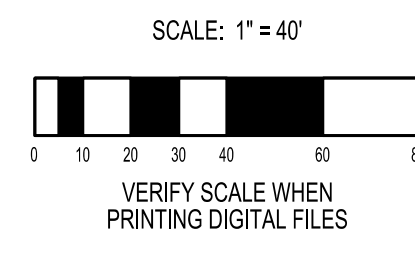
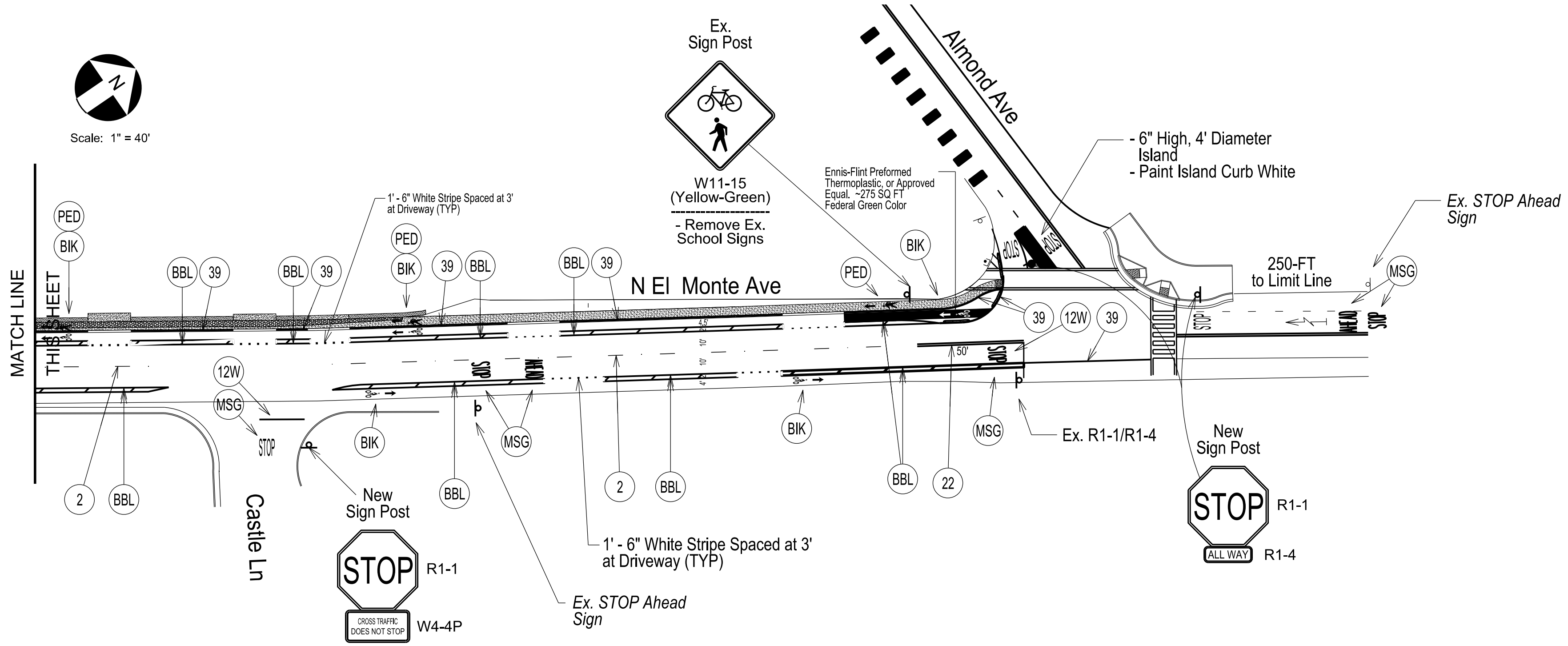


N El Monte Avenue
(S Clark Avenue to Almond Avenue)
Signage & Striping Plan



IDEN. NUMBER	STRIPING ELEMENT	IDEN. NUMBER	STRIPING ELEMENT	IDEN. NUMBER	STRIPING ELEMENT	IDEN. NUMBER	STRIPING ELEMENT
(2)	STATE DETAIL 2	(32)	STATE DETAIL 32	(46)	SOLID 24\"/>		

NOTES:
 - All new Lane Lines and Pavement Messages shall be Thermoplastic unless noted otherwise.
 - All New Bicycle Facility Markings and Legends shall be Preformed Thermoplastic as Manufactured by Ennis-Flint or Approved Equal.
 - Contractor Shall Remove any Roadway Striping or Markings that are in Conflict with this Plan.



Rev.	Description	Date

Traffic Patterns
 6701 Koll Center Pkwy Suite 250
 Pleasanton, CA 94566
 O: (408) 916-8141
 info@trafficpatterns.net

REGISTERED PROFESSIONAL ENGINEER
 JAMES O. RODRIGUEZ
 TR2284
 Exp: 6-29-22
 TRAFFIC ENGINEER
 STATE OF CALIFORNIA

DATE SIGNED: 09/28/2020

SCALE:	AS SHOWN
DESIGN BY:	JOR
DRAWING BY:	JOR
CHECKED BY:	City of Los Altos

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT
 TS-01038

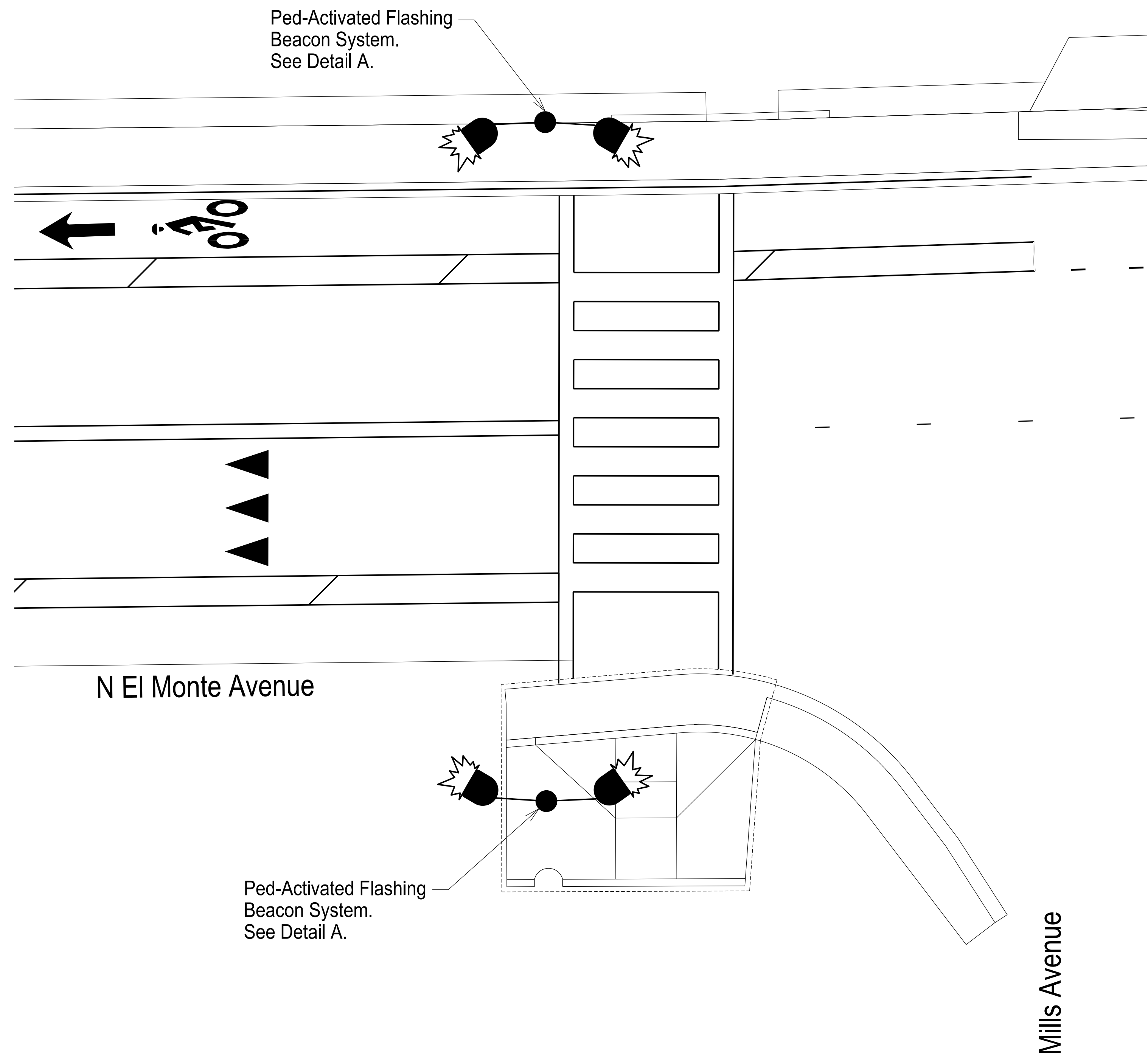
SIGNAGE & STRIPING PLAN

City of Los Altos Santa Clara County California	City of Los Altos Project No. TS-01038
Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 9 OF 11

N El Monte Avenue & Mills Avenue
Intersection Improvements

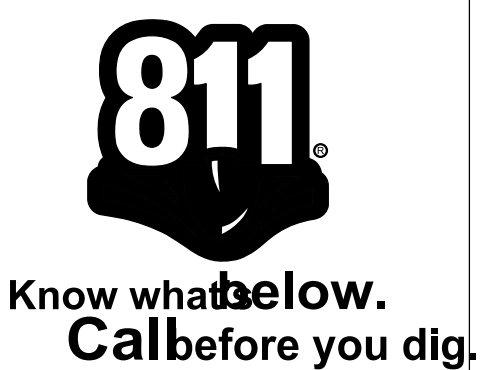
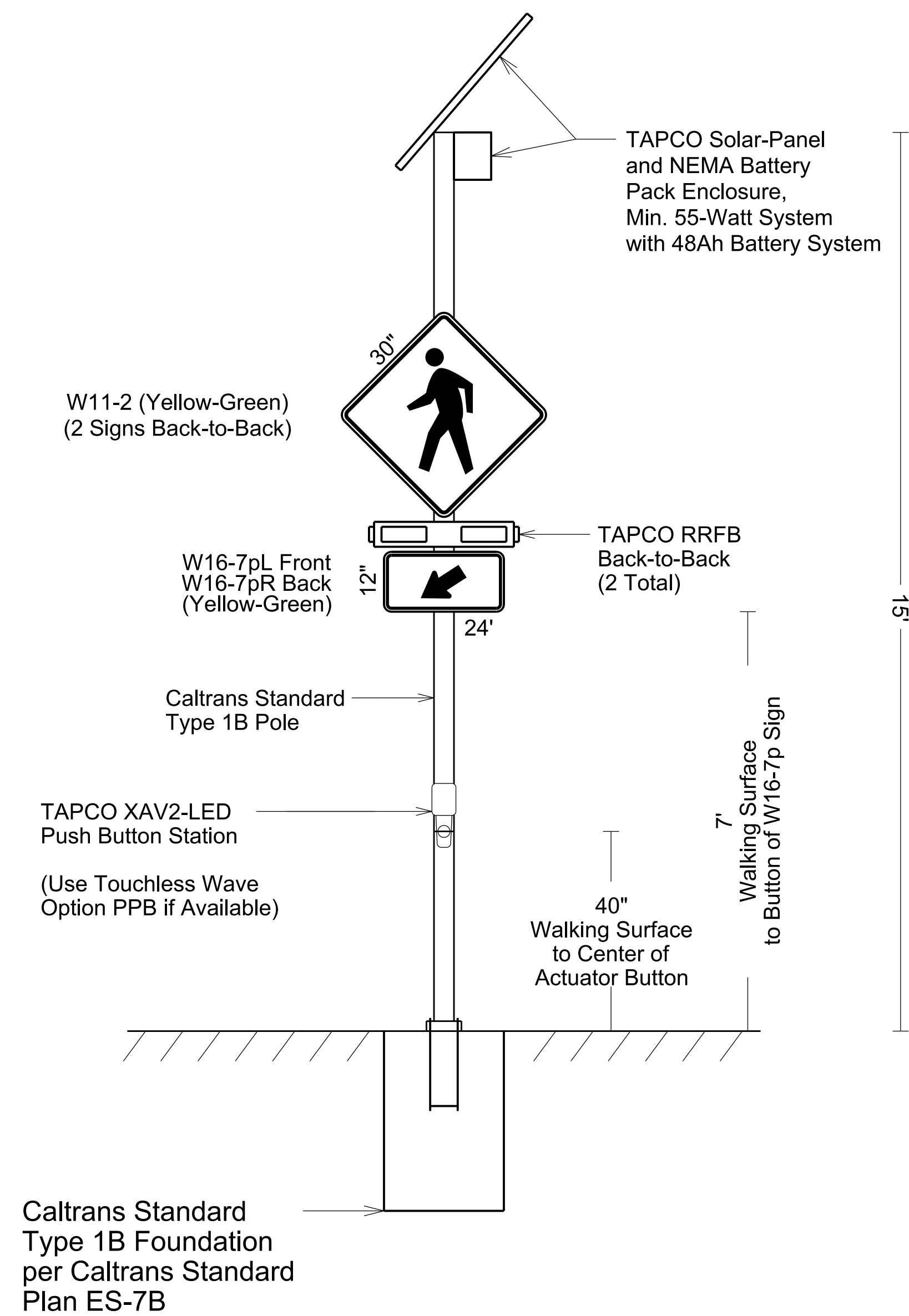
Ped-Activated RRFB Installation

Scale: None



DETAIL A
TAPCO PEDESTRIAN-ACTIVATED
HIGH-VISIBILITY WARNING SYSTEM
ON TYPE 1B POLE

Scale: None



Rev.	Description	Date

Traffic Patterns
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Suite 250
Pleasanton, CA 94566
O: (408) 916-8141
info@trafficpatterns.net



DATE SIGNED: 09/28/2020

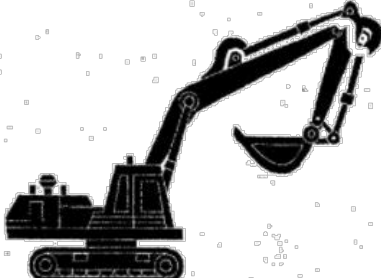
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DESIGN BY:	JOR
DRAWING BY:	JOR
CHECKED BY:	City of Los Altos

EL MONTE AVE SIDEWALK GAP CLOSURE PROJECT TS-01038
RRFB INSTALLATION AT N EL MONTE AVENUE & MILLS AVENUE

City of Los Altos Santa Clara County California	City of Los Altos Project No. TS-01038
Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 9 OF 11

Heavy Equipment Operation

Best Management Practices for the Construction Industry



Doing the Job Right

Site Planning and Preventive Vehicle Maintenance

- Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
- Schedule excavation and grading work during dry weather.
- Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible and properly dispose of absorbent materials.
- Use oil spill kits to clean up oil, grease, or other fluids on site. Use drip pans or drop cloths to catch drips and spills. Collect all fuel, oil, and other fluids in separate containers, and properly dispose of hazardous waste (recycle whenever possible).
- Do not use diesel oil to lubricate equipment parts, or clean equipment. Use only water for any credible cleaning.
- Cover exposed fifth wheel hitch and other oily or greasy equipment during rain events.

Storm Water Pollution from Heavy Equipment on Construction Sites


Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by following equipment maintenance schedules, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

Best Management Practices for the

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

Roadwork and Paving

Best Management Practices for the Construction Industry



Doing the Job Right

General Business Practices

- Develop and implement erosion/sediment control plans for roadway embankments.
- Schedule excavation and grading work during dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs at designated areas in your maintenance yard, where cleanups are easier. Avoid performing equipment repairs at construction sites.
- When refueling or when vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment parts or clean equipment.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible, or dispose of properly.

Storm Drain Pollution from Roadwork

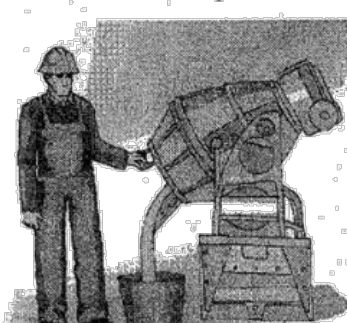
Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for spillage, saw-cut slurry or excavated material to illegally enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

Best Management Practices for the

- Road crews
- Driver/vehicle/parking lot construction crews
- Soil contractors
- Operators of grading equipment, paving machines, dump trucks, concrete mixers
- Construction inspectors
- General contractors
- Home builders
- Developers

Fresh Concrete and Mortar Application

Best Management Practices for the Construction Industry



Doing the Job Right

General Business Practices

- Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a storm drain or creek. Let water percolate through soil and dispose of wet, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- Wash out crates onto dirt areas at site that do not flow to storm drains or waterways.
- Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

Storm Drain Pollution from Fresh Concrete and Mortar Applications

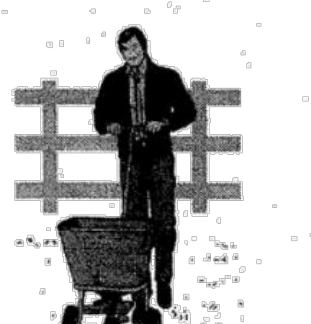
Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials in a storm drain, gutter, or other storm drain, causes serious problems, and is prohibited by law.

Best Management Practices for the

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers

Landscaping, Gardening, and Pool Maintenance

Best Management Practices for the Construction Industry



Doing the Job Right

General Business Practices

- Protect absorbent and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Store pesticides, herbicides, and other chemicals indoors or in a shed or storage cabinet.
- In San Jose, leave yard waste for curbside recycling pickup in piles in the street, 18 inches from the curb and completely out of the flow line to any storm drain.
- Schedule grading and excavation projects during dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with sandbags or other sediment control.
- Re-vegetation is an excellent form of erosion control on any site.

Storm Drain Pollution from Landscaping and Swimming Pool Maintenance


Many landscaping activities expose soils and increase the likelihood that lawn and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Best Management Practices for the

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- Ceiling contractors
- Home builders
- Developers
- Homeowners

Painting and Application of Solvents and Adhesives

Best Management Practices for the Construction Industry



Doing the Job Right

General Business Practices

- Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of at a hazardous waste collection facility (contact your local stormwater program listed on the back of this brochure).
- When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Empty, dry paint cans also may be recycled as metal.
- Wash water from painted buildings conducted down the street or into a storm drain. Filter and reuse this water. Do not dump it down the street or into a storm drain.
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury or biocidal bi must be disposed of as hazardous wastes. Lead based paint removal requires a state-certified contractor.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct wash water onto a dirt area and spillage into soil. Do not check with the local wastewater treatment authority to find out you can collect (or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist with the decision.

Storm Drain Pollution from Paints, Solvents, and Adhesives

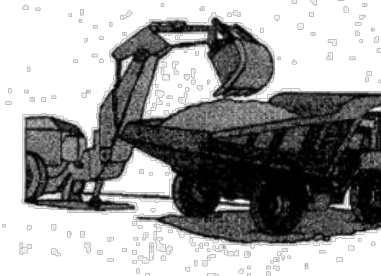
All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local watersheds, including San Francisco Bay and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Flammable and volatile solvents, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent them from flowing into storm drains and watercourses.

Best Management Practices for the

- Homeowners
- Painters
- Plumbers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

Earth-Moving and Dewatering Activities

Best Management Practices for the Construction Industry



Doing the Job Right

General Business Practices

- Schedule excavation and grading work during dry weather.
- Perform major equipment repairs away from the dirt.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment parts, or clean equipment.

Storm Drain Pollution from Earth-Moving Activities and Dewatering

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, another aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff causing a site and slow the flow with check dams or roughened ground surface.

Best Management Practices for the

- Builder, back hoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

Los Altos Municipal Code Requirements

Los Altos Municipal Code Chapter 10.08.030 Non-storm water discharges

A. Unlawful discharges. It shall be unlawful to discharge any domestic waste or industrial waste into storm drains, gutters, creeks, or San Francisco Bay. Unlawful discharges to storm drains shall include, but not be limited to, discharge from toilets, sinks, industrial processes, cooling systems, boilers, fabric cleaning, equipment cleaning, vehicle cleaning, construction activities, including, but not limited to, painting, pavement placement, saw cutting and grading, swimming pools, spas, and fountains, unless specifically permitted by a discharge permit or exempt pursuant to guidelines published by the superintendent.

B. Threatened discharges. It shall be unlawful to cause hazardous materials, domestic waste, or industrial waste to be deposited in such a manner or location as to constitute a threatened discharge into storm drains, gutters, creeks or San Francisco Bay. A "threatened discharge" is a condition creating a substantial probability of harm, when the probability and potential extent of harm make it reasonably necessary to take immediate action to prevent, reduce or mitigate damages to persons, property or natural resources. Domestic or industrial wastes that are no longer contained in a pipe, tank or other container are considered to be threatened discharges unless they are actively being cleaned up.

C. A spill response plan for hazardous waste, hazardous materials and uncontained construction materials shall be prepared and available at the construction sites for all projects where the proposed construction site is equal to or greater than one acre of disturbed soil and for any other projects for which the city engineer determines it is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

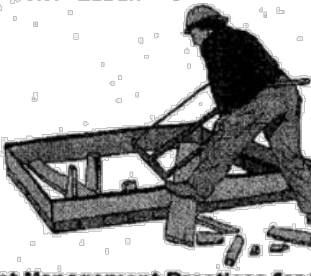
D. A storm water pollution prevention plan shall be prepared and available at the construction sites for all projects greater than one acre of disturbed soil and for any other projects for which the city engineer determines that a storm water management plan is necessary to protect surface waters. Preparation of the plan shall be in accordance with guidelines published by the city engineer.

E. Prior approval shall be obtained from the city engineer or designee to discharge water pumped from construction sites to the storm drain. The city engineer or designee may require gravity settling and filtration prior to discharge. Contaminated groundwater or water that exceeds state or federal requirements for discharge to navigable waters may not be discharged to the storm drain. Such water may be discharged to the sewer, provided that the requirements of Section 10.08.240 are met and the approval of the superintendent is obtained prior to discharge. No cleanup of construction debris from the streets shall result in the discharge of water to the storm drain system; nor shall any construction debris be deposited or allowed to be deposited in the storm drain system. (Prior code § 5-5.643)

City of Los Altos
 Building Department: (650) 947-2752
 Engineering Department: (650) 947-2780

General Construction And Site Supervision

Best Management Practices for Construction



Doing the Job Right

General Principles

- Keep an orderly site and ensure good housekeeping practices are used.
- Maintain equipment properly.
- Cover materials when they are not in use.
- Keep materials away from streets, storm drains and drainage channels.
- Ensure dust control water doesn't leave site or discharge to storm drains.

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

DESIGNED BY: LARRY LIND	APPROVED BY: <i>[Signature]</i>	CITY OF LOS ALTOS	DATE: OCTOBER, 2003
DRAWN BY: VICTOR CHEN	CITY ENGINEER	18056	SCALE: N.T.S.
CHECKED BY: JIM GUSTAFSON	SHEET	OF SHEETS	DRAWING NO:



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Rev.	Description	Date										Engineering Services Department 1 N. San Antonio Rd Los Altos, CA 94022-3000	Drawing No. SHT 11 OF 11