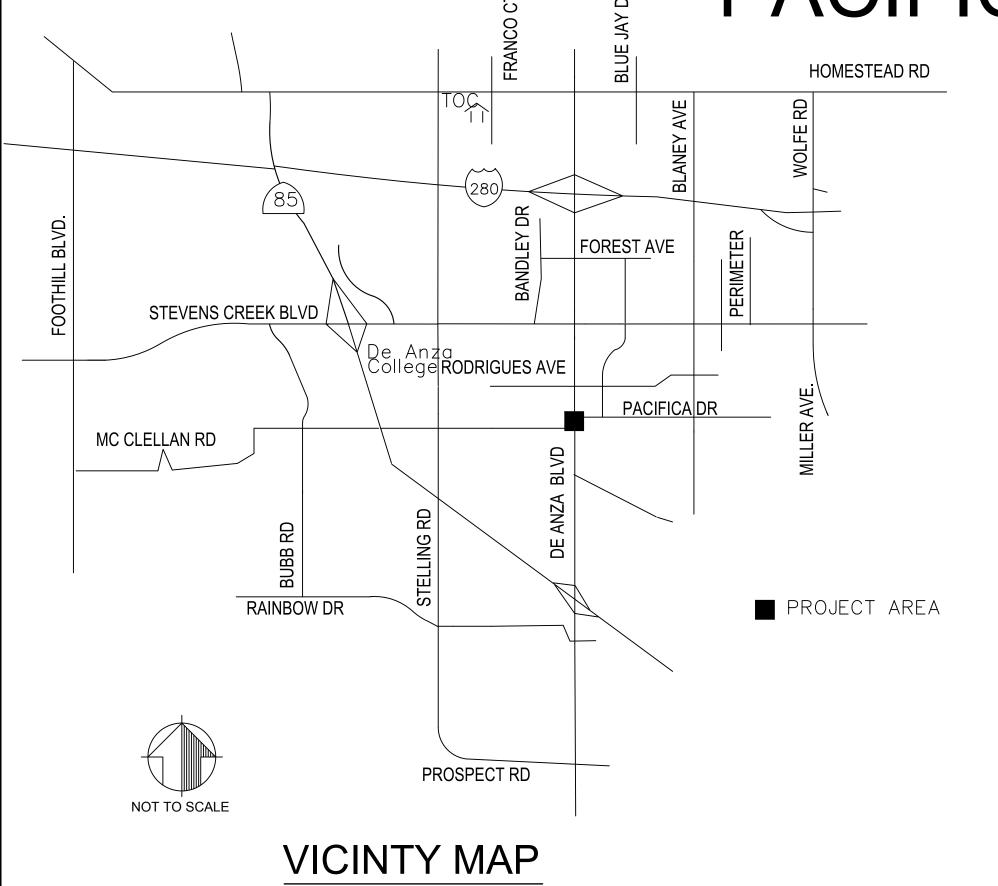
## DE ANZA BOULEVARD AND MCCLELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION



NOT TO SCALE

FEDERAL PROJECT NO. CML-5318(033)

## CUPERTINO, CALIFORNIA

CITY PROJECT NO. 2020-12

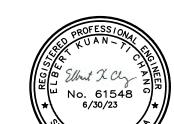
CALTRANS STANDARD PLANS & STANDARD SPECIFICATIONS (DATED 2018) AND THE CITY OF CUPERTINO STANDARD DETAILS AND SPECIFICATIONS

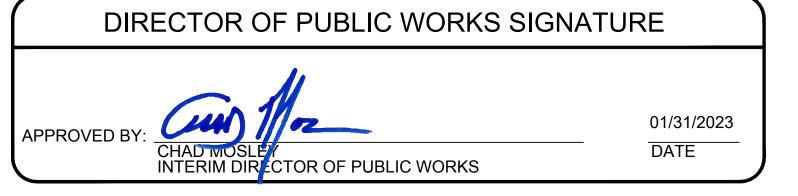
## SHEET INDEX

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4	DM-01	CIVIL DEMOLITION PLAN
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UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.





**Kimley** Whorn

1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612

Date:	JANUARY 25, 2023						
Scale:							] /
Designed:	RTW						
Drawn:	LSCE						] [[å
Checked:	EKC						]
Proj. Engr	: XX	REVISIONS	DESIGN BY	DESIGN	CITY	APPR.	
File:		REVISIONS		DATE	APPR.	DATE	



IMPROVEMENT PLANS FOR DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE II

NTERSECTION MODIFICATION	PUBLIC WOR INSPECTOR:
TITLE SHEET	VOICE MAIL:

FOR CITY OF CUPERTINO USE PROJECT # 2020-12	CITY OF CUPERTINO
PUBLIC WORKS INSPECTOR:	CV-01
VOICE MAIL:	SHEET 1 OF 22

**ABBREVIATIONS** 

LEGEND

CONDUIT POWER POLE FIRE HYDRANT PULL BOX (TYPE AS NOTED ON PLANS) TRAFFIC SIGNAL POLE SERVICE CABINET TRAFFIC SIGNAL CONTROLLER CABINET

PCC

SDMH

DRAINAGE INLET

12" RCP (CLASS V)

HMA PAVEMENT (12" DEPTH)

DETECTABLE WARNING SURFACE

CD-07 FOR DETAIL)

0.17' GRIND & OVERLAY

COBBLESTONE TREATMENT (SEE SHEET

SDDI

SDMH

SMFO

SNS

SSCO

SSMH

ABBREVIATIONS.

SIC

ABBREVIATIONS (CONT.)

STORM DRAIN DRAINAGE INLET

SIGNAL INTERCONNECT CABLE

SANITARY SEWER CLEAN OUT

SANITARY SEWER MANHOLE

\*REFERENCE CALTRANS STANDARD PLANS (2018) FOR ALL OTHER

SINGLE MODE FIBER OPTIC

STREET NAME SIGN

WATER METER

WATER VALVE

STORM DRAIN MANHOLE

ASPHALT CONCRETE AC APS ACCESSIBLE PEDESTRIAN SIGNAL AWG AMERICAN WIRE GAUGE GRS GALVANIZED RIGID STEEL CP CATCH POINT COMMUNICATION C&G CURB & GUTTER

EXISTING EX. FIRE HYDRANT HOT MIX ASPHALT HMA IRRIGATION LINEAR FOOT

MINIMUM **EMPTY** PULL BOX PEU PHOTO ELECTRIC UNIT PCC PORTLAND CEMENT CONCRETE

PIV PEAK INVERSE VOLTAGE PVC POLYVINYL CHLORIDE RSP REVISED STANDARD PLAN

R/W RIGHT OF WAY

#### **CONSTRUCTION NOTES**

- 1. UNLESS OTHERWISE NOTED, PEDESTRIAN CURB RAMPS TO BE CONSTRUCTED PER 2018 CALTRANS RSP
- 2. SLOPE LABELS ARE SHOWN FOR REFERENCE ONLY, AND ARE NOT TO BE USED FOR CONSTRUCTION
- 3. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- 4. DOWEL ALL NEW CURB AND SIDEWALK INTO EXISTING AT CONFORMS. USE #4X12" DOWELS. MINIMUM TWO DOWELS FOR CURB CONFORMS AND MAXIMUM 4' SPACING FOR SIDEWALK CONFORM TO EXISTING BACK OF CURB AND EXISTING SIDEWALK.

#### **DEMOLITION NOTES**

- 1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THIS PLAN, UNLESS NOTED TO BE DONE BY OTHERS.
- 2. ALL PAVEMENT MARKINGS AND STRIPING IN CONFLICT SHALL BE REMOVED. SEE SS SHEET FOR SIGNING AND STRIPING DETAILS.
- 3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED. SEE UT SHEETS AND TS SHEETS FOR DETAILS.
- 4. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

#### **DRAINAGE & UTILITY NOTES**

- 1. THERE ARE EXISTING UTILITY CROSSINGS IN CLOSE PROXIMITY TO THE PROPOSED WORK. THE CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.
- 2. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

#### **EARTHWORK NOTES**

- THE EARTHWORK QUANTITIES PROVIDED ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD.
- 2. UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE PROVIDED QUANTITIES ARE APPROXIMATE, IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND, FINISHED SURFACE, AND FINISHED FLOOR ELEVATIONS.
- UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE PROVIDED GRADING QUANTITIES HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER QUALITY MEDIA SECTIONS, UTILITY PIPES, TRENCHING AND BEDDING MATERIALS, BUILDING OR WALL FOOTINGS, BUILDING SLAB THICKNESSES AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE NEW PAVEMENTS, ETC.
- ANY OVEREXCAVATION AND RECOMPACTION DEPTHS AND VOLUMES, SHRINKAGE FACTORS, PAVEMENT SECTIONS, BUILDING PAD SECTIONS, AND BULKING FACTORS ARE BASED ON A SEPARATE GEOTECHNICAL REPORT. ANY BUILDING SLAB THICKNESSES ARE BASED ON THE SEPARATE BUILDING STRUCTURAL ENGINEERING PLANS. ANY UTILITY, STORMWATER MITIGATION, AND FOOTING SPOILS ARE BASED ON ESTIMATES PROVIDED BY THE OWNER OR CONTRACTOR.

#### **GENERAL NOTES**

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2018), STANDARD PLANS (2018), AND CITY OF CUPERTINO STANDARD DETAILS AS AMENDED. THE CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THE SPECIFICATION, AND AS SHOWN ON THE DRAWINGS, AND TO THE SATISFACTION OF THE CITY ENGINEER.
- 2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE CITY OF CUPERTINO INSPECTOR TWO (2) WORKING DAYS PRIOR TO THE NEED FOR INSPECTION AT (408) 777-3104.
- 3. THE CONTRACTOR IS REQUIRED TO NOTIFY THE CITY OF CUPERTINO TRAFFIC SIGNAL TECHNICIANS TWO (2) WORKING DAYS BEFORE ANY SIGNAL AND/OR COMMUNICATION SHUTDOWNS AT (408) 777-1366.
- 4. THE CONTRACTOR SHALL HAVE ALL OF THE UTILITIES, UNDERGROUND MAINS, AND SERVICES THAT MAY CONFLICT WITH THE PROJECT LOCATED IN THE FIELD PRIOR TO ANY UNDERGROUND WORK.
- 5. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS IN ADVANCE OF ANY UNDERGROUND WORK, FOR LOCATION OF THE UNDERGROUND FACILITIES, AT (800) 227-2600 OR
- 6. EXISTING CITY OF CUPERTINO FIBER OPTIC COMMUNICATION FACILITIES ARE LOCATED IN THE PROJECT AREA. FIBER OPTIC CABLE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE TEMPORARILY REPAIRED AND THEN REPLACED IN ACCORDANCE WITH COUNTY STANDARD SPECIFICATIONS SECTION 86.01.06. DAMAGED FIBER OPTIC CABLE MUST BE REPLACED FOR THE ENTIRE LENGTH BETWEEN EXISTING TRUNKLINE END-TO-END SPLICES. REPLACEMENT AND TEMPORARY REPAIR WILL BE AT THE CONTRACTOR'S EXPENSE. IF CONTRACTOR SUSPECTS CONFLICT, CONTRACTOR SHALL POTHOLE POTENTIAL CONFLICT AREA PRIOR TO STARTING WORK.
- 7. ALL EXISTING PAVEMENT REMOVED OR DAMAGED SHALL BE REPLACED AS REQUIRED BY THE CITY ENGINEER.
- 8. ALL STANDARD STREET MONUMENTS, LOT CORNER PIPES, AND OTHER PERMANENT MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY OF CUPERTINO.
- APPROVAL OF THESE PLANS DOES NOT RELEASE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE CORRECTIONS OF MISTAKES, ERRORS, OR OMISSIONS CONTAINED THEREIN. IF, DURING THE COURSE OF CONSTRUCTION OF IMPROVEMENTS, PUBLIC INTEREST REQUIRES A MODIFICATION OF/OR A DEPARTURE FROM THE CITY OF CUPERTINO SPECIFICATION OR THESE IMPROVEMENT PLANS, THE CITY ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE COMPLETED.
- 10. ALL EXISTING INTERSECTION WIRING AND INTERCONNECT CABLE SHALL REMAIN OPERATIONAL UNLESS REPLACED BY PROJECT.
- 11. THE CONTRACTOR SHALL REPAIR/REPLACE ALL LANDSCAPING, IRRIGATION, CURBS, SERVICES, SIDEWALK, STRIPING, MARKINGS, OR PAVEMENT MARKERS, ETC. DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY.
- 12. REPLACEMENT OF DAMAGED SIGNAL FACILITIES CAUSED BY CONTRACTOR OPERATIONS SHALL BE DONE IN ACCORDANCE WITH CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS (CSS) 87.21.03B.
- 13. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL NOT BE LIMITED TO NORMAL WORKING HOURS. WORK SHALL NOT BEGIN UNTIL ADEQUATE TEMPORARY BARRICADES, BARRIERS, FENCES, WARNING AND CONTROL DEVICES ARE IN PLACE AS REQUIRED BY THE CONTRACT.
- 14. TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2014, REVISION 4) AND THE CONTRACT
- 15. SEE UT SHEETS FOR DRAINAGE INFRASTRUCTURE AND UTILITY DETAILS.
- 16. SEE TS SHEETS FOR TRAFFIC SIGNAL EQUIPMENT DETAILS.
- 17. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
- 18. CONTRACTOR TO CUT. CAP. CONNECT. ADJUST. ABANDON. REPLACE. REPAIR. RELOCATE. AND/OR SALVAGE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE NEW IMPROVEMENTS.

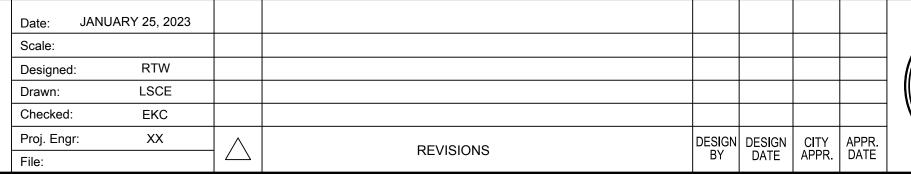
#### PAVEMENT REHABILITATION NOTES

- 1. THE CONTRACTOR SHALL CALL USA AT LEAST 2 DAYS BEFORE STARTING CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES WITHIN THE PROJECT WORKING LIMITS. VERIFY UTILITY LOCATIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES WITHIN AND ADJACENT TO THE PROJECT AREA, INCLUDING BOTH THOSE SHOWN AND NOT SHOWN IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- 2. TIE OUT ALL MANHOLES, WATER VALVE COVERS, CLEAN OUTS, PULL BOXES, 5G BOXES, AND MONUMENTS, THEN PROVIDE DATA TO THE CITY REPRESENTATIVE 14 DAYS PRIOR TO ANY SURFACE TREATMENT.
- 3. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN A MINIMUM OF 14 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. DO NOT START WORK WITHOUT TRAFFIC CONTROL PLAN APPROVED BY THE
- 4. CONTRACTOR SHALL PROTECT SURVEY MONUMENTS IN PLACE AND SHALL NOTIFY THE CITY INSPECTOR IF ANY ARE IDENTIFIED WITHIN THE LIMITS OF THE WORK.
- 5. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PAVEMENT REHABILITATION LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON SIGNING AND STRIPING PLAN SHEETS.
- 6. TREATMENT AND EXACT LIMITS SHALL BE MARKED AND CONFIRMED, IN THE FIELD BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION.
- 7. SEE SIGNING AND STRIPING PLAN SHEETS FOR STRIPING AND PAVEMENT MARKING PLANS.



CALL TWO WORKING DAYS BEFORE YOU DIG

> 1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612





IMPROVEMENT PLANS FOR DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

GENERAL NOTES, LEGEND, ABBREVIATIONS

FOR CITY OF CUPERTINO USE CITY OF PROJECT # 2020-12 **CUPERTINO** 

VOICE MAIL:

**GN-01** 

SHEET 2 OF 22

#### SURVEYOR'S NOTES:

1. THE COORDINATE SYSTEM IS BASED ON A RTK GPS ESTABLISHED CONTROL NETWORK ON SITE, USING NAD83 CCS ZONE 3 COORDINATES (EPOCH 2010.00). BASELINE CONTROL POINTS ESTABLISHED ON—SITE ARE LCC CP #101 (N 1941040.05, E 6116027.79 — GPS COORDINATE HELD HERE), A SET MAGNETIC SURVEY NAIL IN THE PEDESTRIAN ISLAND AT THE SOUTHWESTERLY CORNER OF THE INTERSECTION OF DE ANZA

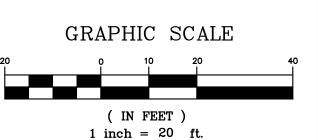
BLVD AND McCLELLAN ROAD (AS SHOWN), AND LCC CP #102 (N 1940681.06, E 6116030.59), A SET MAGNETIC NAIL (APPROXIMATELY 360FT SOUTHERLY OF CP#101) IN ASPHALT PAVEMENT OF DE ANZA BLVD (CP #102 NOT SHOWN IN THIS EXHIBIT). DISTANCES AND COORDINATES AS SHOWN ON THIS SURVEY SHOULD BE CONSIDERED AS GROUND DISTANCES AND COORDINATES.

- 2. ELEVATIONS ARE BASED ON CITY OF CUPERTINO BENCHMARK RM#115, A CHISLED SQUARE ON A CONCRETE PAD AT THE BASE OF A STREET LIGHT POST. RM#115 IS LOCATED AT THE EASTERLY SIDE OF ESTATES DRIVE, APPROXIMATELY 57FT NORTHERLY OF THE CENTERLINE OF VICKSBURG DRIVE. BENCHMARK CONTROL NETWORK PROVIDED BY THE CITY OF CUPERTINO, ELEVATION OF BENCHMARK RM#115 HELD AS 207.58 FT (PER RECORD). LOCAL SITE BENCHMARK HELD AT CP #101 (SEE NOTE 1 FOR DESCRIPTION). CP #101 ELEVATION HELD AS 245.78 FT.
- 3. UTILITIES SHOWN ARE BASED UPON SURFACE OBSERVATIONS OF STRUCTURES AND USA MARKINGS FOUND IN FIELD IF APPLICABLE. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR LOCATIONS, CAPACITIES OR FUNCTIONALITY OF ALL UTILITIES SHOWN HEREON. SOME UNDERGROUND UTILITIES MAY NOT BE SHOWN.
- 4. THE BOUNDARY (PROPERTY) LINES SHOWN ON THIS EXHIBIT ARE BASED ON SANTA CLARA COUNTY RECORD MAPS: TRACT NO. 3743 (186 M 36), RECORD OF SURVEY (233 M 1), PARCEL MAP (560 M 43), RECORD OF SURVEY (195 M 37), TRACT NO. 3407 (161 M 2), SANTA CLARA COUNTY DOC#24310450, SANTA CLARA COUNTY DOC#24310451, SANTA CLARA COUNTY DOC#24551161
- 5. THIS SURVEY DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. THE BOUNDARY (PROPERTY) LINES SHOWN ARE BASED ON FOUND STREET MONUMENTS IN THE SURROUNDING SUBDIVISIONS PER THE LISTED RECORD MAPS NOT ALL FOUND MONUMENTS ARE SHOWN ON THIS EXHIBIT. ALL PROPERTY CORNERS HAVE NOT BEEN SEARCHED FOR OR LOCATED. NEW CORNERS OR MONUMENTS HAVE NOT BEEN SET DURING THIS SURVEY. ALL EASEMENTS MAY NOT BE SHOWN IN THIS EXHIBIT. FURTHER SURVEY AND BOUNDARY ANALYSIS WOULD BE REQUIRED TO DETERMINE THE LOCATION OF PROPERTY LINES WITH GREATER ACCURACY, IF REQUIRED.
- 6. CONTRACTOR SHALL PRESERVE ALL SURVEY MARKERS AND MONUMENTS PER THE CITY ENGINEER DEPARTMENT. PRIOR TO STARTING ANY WORK, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY EXISTING FEDERAL, STATE, CITY, AND PRIVATE LAND SURVEY CONTROL POINTS OR MONUMENTS THAT MAY BE DISTURBED BY THE WORK FOR THE PROJECT. ANY SURVEY MONUMENTS WHICH WILL BE DISTURBED OR REMOVED MUST BE TIED OUT BY A LAND SURVEYOR AND CORNER RECORDS ARE TO BE PREPARED AND FILED WITH THE CITY IN COMPLIANCE WITH THE LAND SURVEYOR ACT, SECTION 8771.

LINE TABLE								
LINE	DESCRIPTION	LENGTH	BEARING					
L1	"D" LINE	350.00	S0°00'00.00"E					
L2	"M" LINE	263.52	N48°34'23.34"E					
L3	"M" LINE	64.17	N90°00'00.00"E					

	CURVE TABLE							
İ	CURVE	LENGTH	DELTA	RADIUS	TANGENT			
Ì	C1	72.30'	41°25'37"	100.00'	37.81			

POINT TABLE										
POINT #	ELEVATION	NORTHING	EASTING	STATION	OFFSET	ALIGNMENT	DESCRIPTION			
A	245.60	1941257.75	6116142.46	10+68.50	52.46'RT	"D" LINE	CP MAG			
$\langle B \rangle$	245.78	1941040.05	6116027.79	10+51.94	51.07'RT	"M" LINE	CP MAG			



1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612

Date:	JANUARY 25, 2023						
Scale:							
Designed	d: ASP						
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Checked	: EKC						
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PROFESS/OVAN

CHAN

DE ANZA BOULEVARD AND MCCELLAN ROAD/
PACIFICA DRIVE INTERSECTION MODIFICATION
HORIZONTAL CONTROL PLAN

CALIFORNIA

FOR CITY OF CUPERTINO USE PROJECT # 2020-12

PUBLIC WORKS

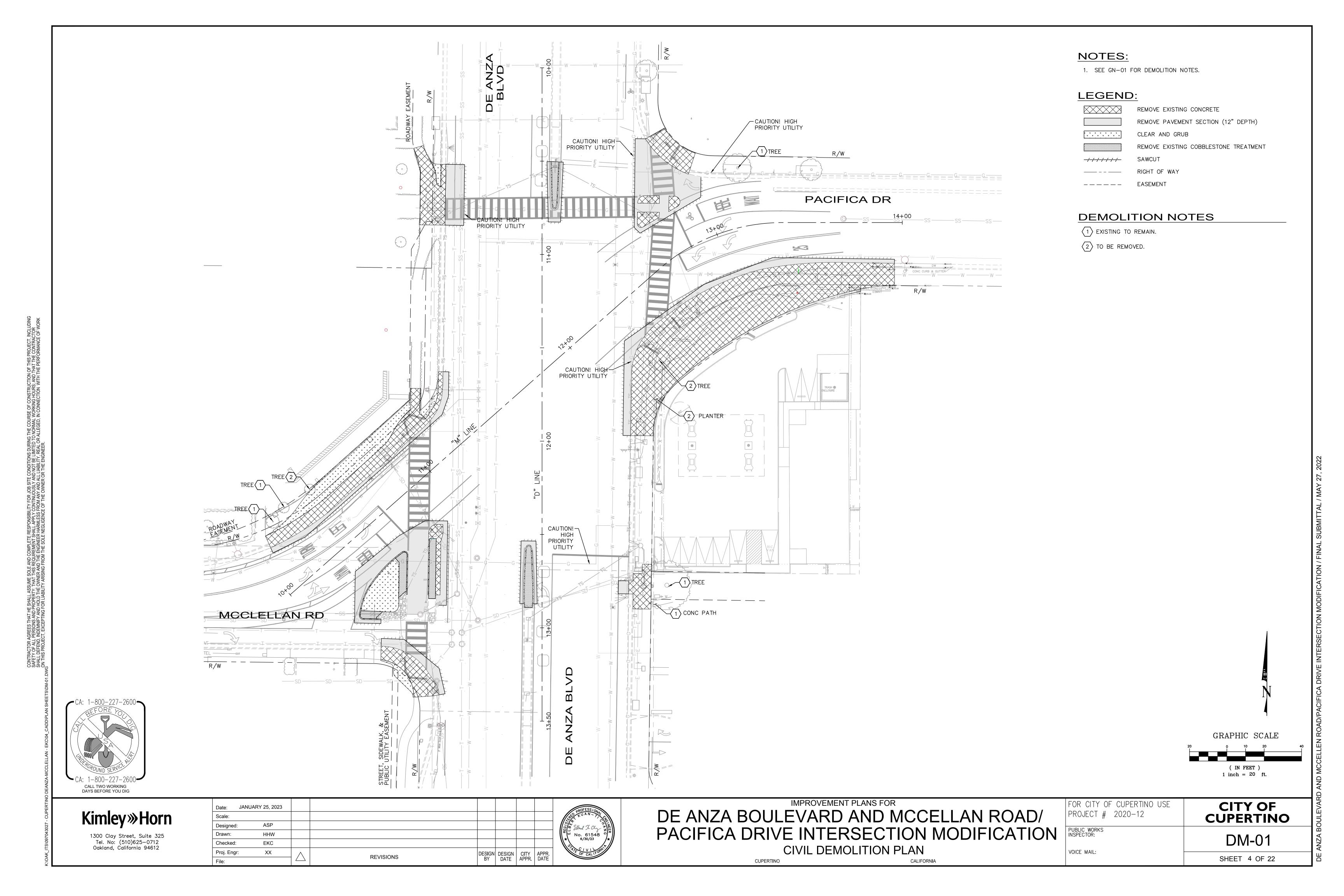
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CITY OF CUPERTINO

HC-01

SHEET 3 OF 22

IN ROAD/PACIFICA DRIVE INTERSECTION MODIFICATION / FINAL SUBMITTAL / MAY 27, 2022

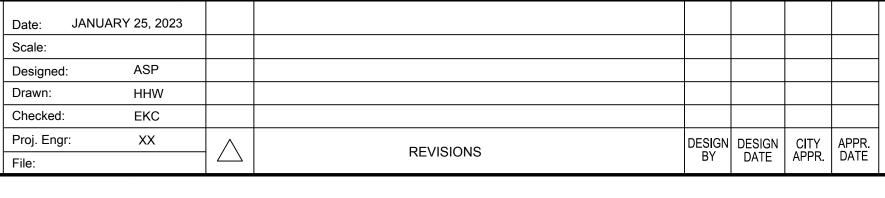


DE ANZA BLVD AND PACIFICA DR NW CORNER: RAMP CONSTRUCTION DETAILS



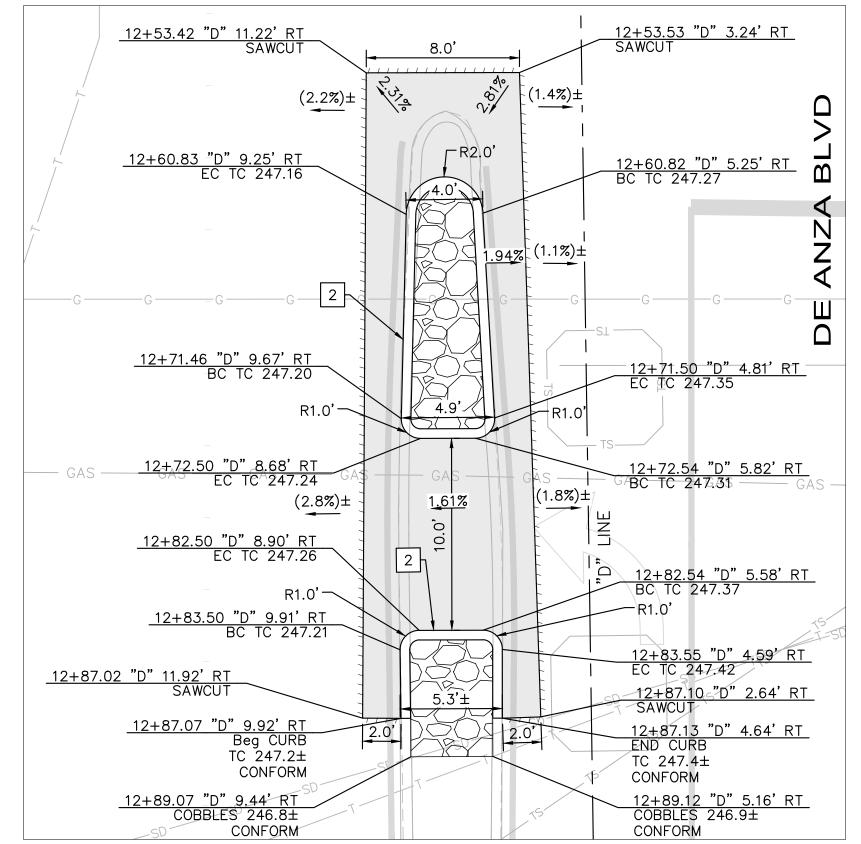
## Kimley»Horn

1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612



## Beg CURB TC 247.8± TC 247.8± CONFORM CONFORM 10+50.28 "D" 2.65' LT SAWCUT 10+50.55 "D" 11.35' LT SAWCUT 10+55.57 "D" 4.76' LT BC TC 247.80 10+56.55 "D" 5.75' LT EC TC 247.79 (2.1%)± $(3.2\%)\pm$ 10+66.56 "D" 6.02' LT BC TC 247.79 10+67.58 "D" 5.01' LT EC TC 247.78 7 £3.6'7 $(2.3\%)\pm 0.91\%$ 4.33% $(2.6\%)\pm$ 10+80.56 "D" 6.24' LT EC TC 247.78 6.6 10+82.65 "D" 9.89' LT SAWCUT

DE ANZA BLVD AND PACIFICA DR



DE ANZA BLVD AND MCCLELLAN RD SOUTH LEG: MEDIAN CONSTRUCTION DETAILS

## DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

CIVIL CONSTRUCTION DETAILS

FOR CITY OF CUPERTINO USE PROJECT # 2020-12

VOICE MAIL:

**NOTES:** 

LEGEND:

\_/\_/\_/\_/\_

\_\_\_\_\_

\_\_\_\_\_

XX%

(XX%)±

1. SEE GN-01 FOR DEMOLITION & CONSTRUCTION NOTES.

HMA PAVEMENT (12" DEPTH)

DETECTABLE WARNING SURFACE

(SHOWN FOR REFERENCE ONLY)

APPROXIMATE EXISTING GRADE

INSTALL TYPE A2-6 CURB AND GUTTER PER CITY OF CUPERTINO STANDARD DETAIL 1-16.

INSTALL TYPE A1-8 CURB PER CITY OF CUPERTINO STANDARD DETAIL

INSTALL SIDEWALK PER CITY OF CUPERTINO STANDARD DETAIL 1-19.

CURB RAMP PER CALTRANS 2018 STANDARD PLAN A88A. CURB RAMP CASE NOTED PER PLANS.

CD-07 FOR DETAIL)

SAWCUT

GRADE BREAK

RIGHT OF WAY

PROPOSED GRADE

EASEMENT

**CONSTRUCTION NOTES** 

COBBLESTONE TREATMENT (SEE SHEET

CITY OF **CUPERTINO** 

CD-01

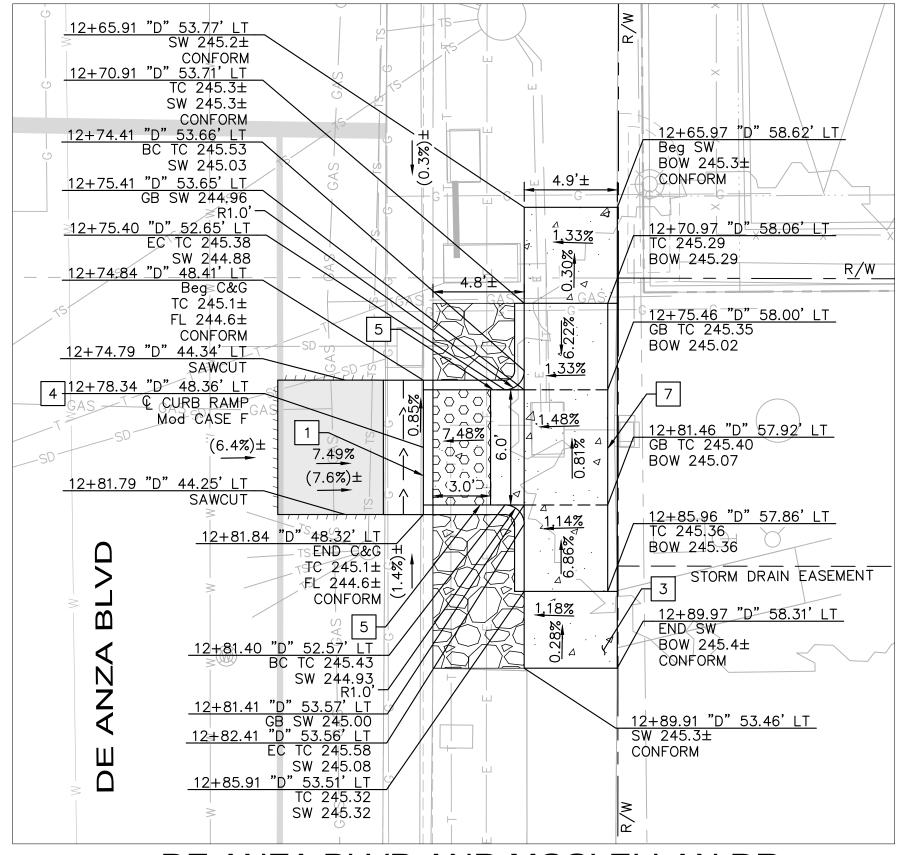
SHEET 5 OF 22

10+50.45 "D" 9.35' LT END CURB 10+50.24 "D" 4.65' LT

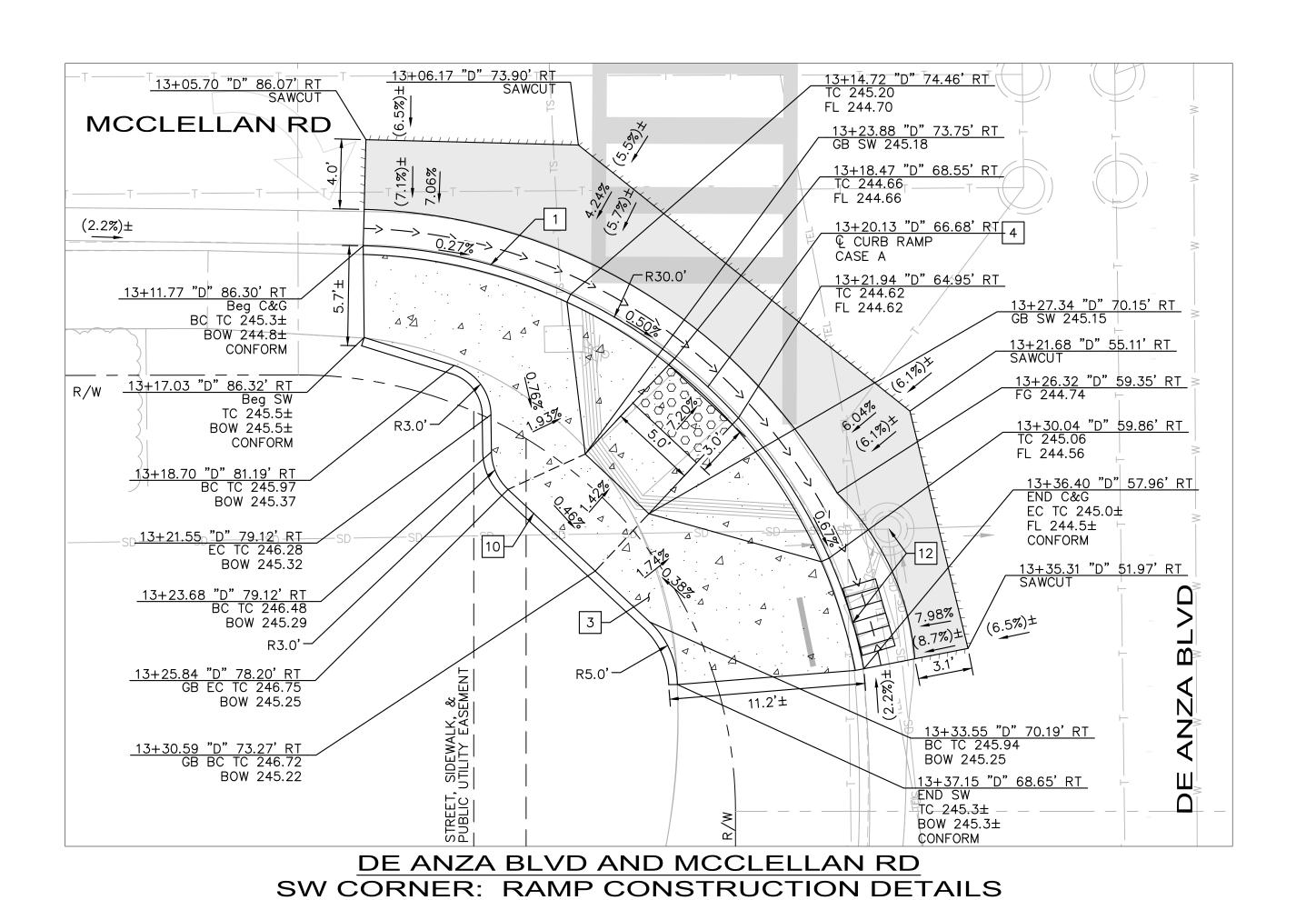
NORTH LEG: MEDIAN CONSTRUCTION DETAILS

GRAPHIC SCALE ( IN FEET )
1 inch = 5 ft.

IMPROVEMENT PLANS FOR



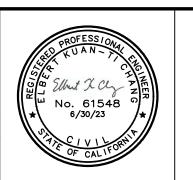
DE ANZA BLVD AND MCCLELLAN DR EAST LEG: RAMP CONSTRUCTION DETAILS





1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612

JANUARY 25, 2023 ASP Drawn: HHW Checked: EKC DESIGN DESIGN CITY APPR. BY DATE APPR. DATE Proj. Engr: **REVISIONS** 



IMPROVEMENT PLANS FOR

## DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

CIVIL CONSTRUCTION DETAILS

FOR	CITY	OF	CUPERTINO	US
			2020-12	

NOTES:

LEGEND:

\_/\_/\_/\_

\_\_\_\_\_

\_\_\_\_\_

XX%

 $(XX\%)\pm$ 

1. SEE GN-01 FOR DEMOLITION & CONSTRUCTION NOTES.

HMA PAVEMENT (12" DEPTH)

DETECTABLE WARNING SURFACE

(SHOWN FOR REFERENCE ONLY)

APPROXIMATE EXISTING GRADE

1 INSTALL TYPE A2-6 CURB AND GUTTER PER CITY OF CUPERTINO STANDARD DETAIL 1-16.

10 INSTALL 18" RETAINING CURB. SEE SHEET CD-07 FOR DETAILS.

12 STORM DRAIN INFRASTRUCTURE. SEE SHEET UT-01 FOR DRAINAGE DETAILS.

3 INSTALL SIDEWALK PER CITY OF CUPERTINO STANDARD DETAIL 1-19.

4 CURB RAMP PER CALTRANS 2018 STANDARD PLAN A88A. CURB RAMP CASE NOTED PER PLANS.

CD-07 FOR DETAIL)

COBBLESTONE TREATMENT (SEE SHEET

PCC

SAWCUT

GRADE BREAK

RIGHT OF WAY

PROPOSED GRADE

EASEMENT

**CONSTRUCTION NOTES** 

5 INSTALL 6" RETAINING CURB.

7 INSTALL 4" RETAINING CURB.

VOICE MAIL:

**CITY OF CUPERTINO** 

CD-02 SHEET 6 OF 22

GRAPHIC SCALE 1 inch = 5 ft.

DE ANZA BLVD AND PACIFICA DR NE CORNER: RAMP CONSTRUCTION DETAILS

#### NOTES:

1. SEE GN-01 FOR DEMOLITION & CONSTRUCTION NOTES.

#### LEGEND:

\_/\_/\_/\_

HMA PAVEMENT (12" DEPTH) COBBLESTONE TREATMENT (SEE SHEET CD-07 FOR DETAIL)

DETECTABLE WARNING SURFACE

SAWCUT

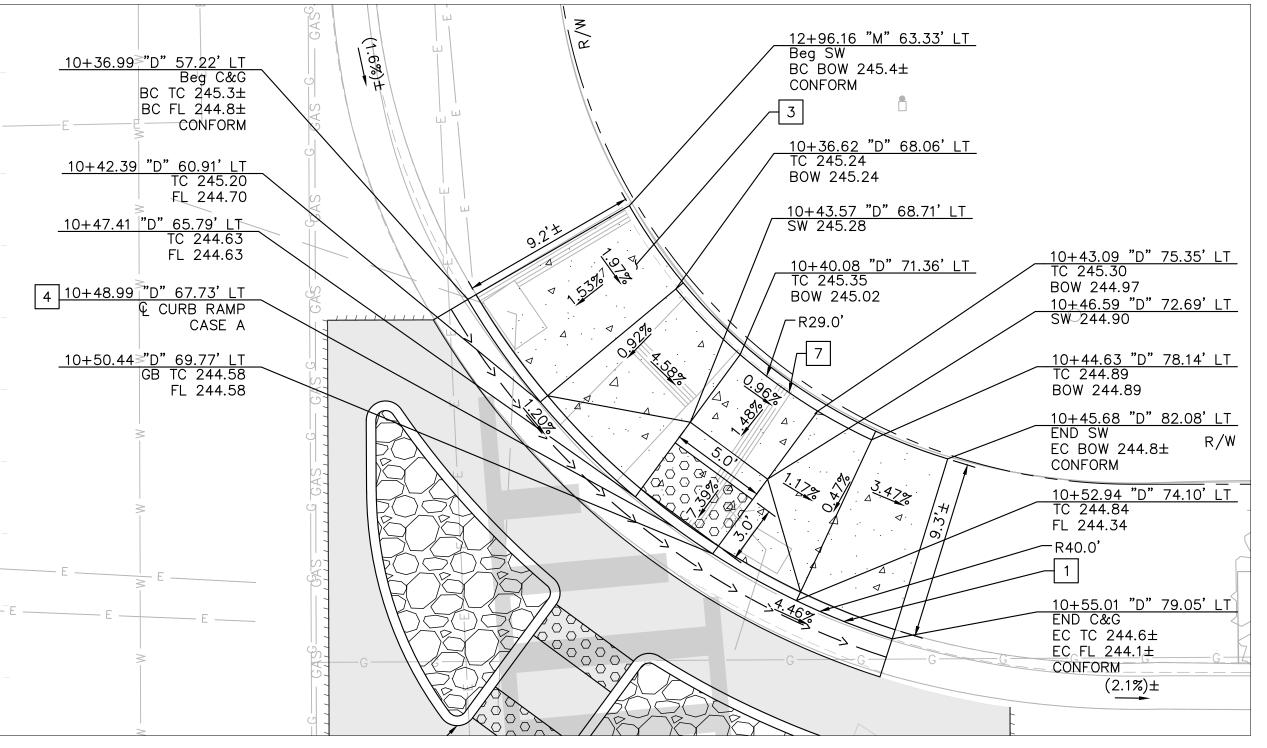
GRADE BREAK \_\_\_\_\_ RIGHT OF WAY \_\_\_\_\_

EASEMENT XX% PROPOSED GRADE

(SHOWN FOR REFERENCE ONLY) (XX%)± APPROXIMATE EXISTING GRADE

#### **CONSTRUCTION NOTES**

- 1 INSTALL TYPE A2-6 CURB AND GUTTER PER CITY OF CUPERTINO STANDARD DETAIL 1-16.
- 2 INSTALL TYPE A1-8 CURB PER CITY OF CUPERTINO STANDARD DETAIL 1-16.
- 3 INSTALL SIDEWALK PER CITY OF CUPERTINO STANDARD DETAIL 1-19.
- 4 CURB RAMP PER CALTRANS 2018 STANDARD PLAN A88A. CURB RAMP CASE NOTED PER PLANS.
- 6 CAST IN PLACE DETECTABLE WARNING SURFACE PER CITY OF CUPERTINO STANDARD DETAIL 1-24.
- 7 INSTALL 4" RETAINING CURB.
- 8 PROTECT IN PLACE

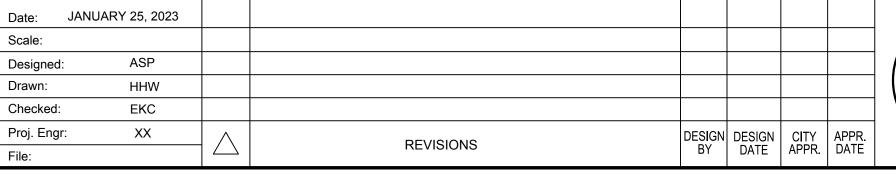


**DETAIL A** 



Kimley»Horn

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IMPROVEMENT PLANS FOR

## DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

CIVIL CONSTRUCTION DETAILS

FOR	CITY	OF	CUPERTINO	USE
PRO	JECT	#	2020-12	

VOICE MAIL:

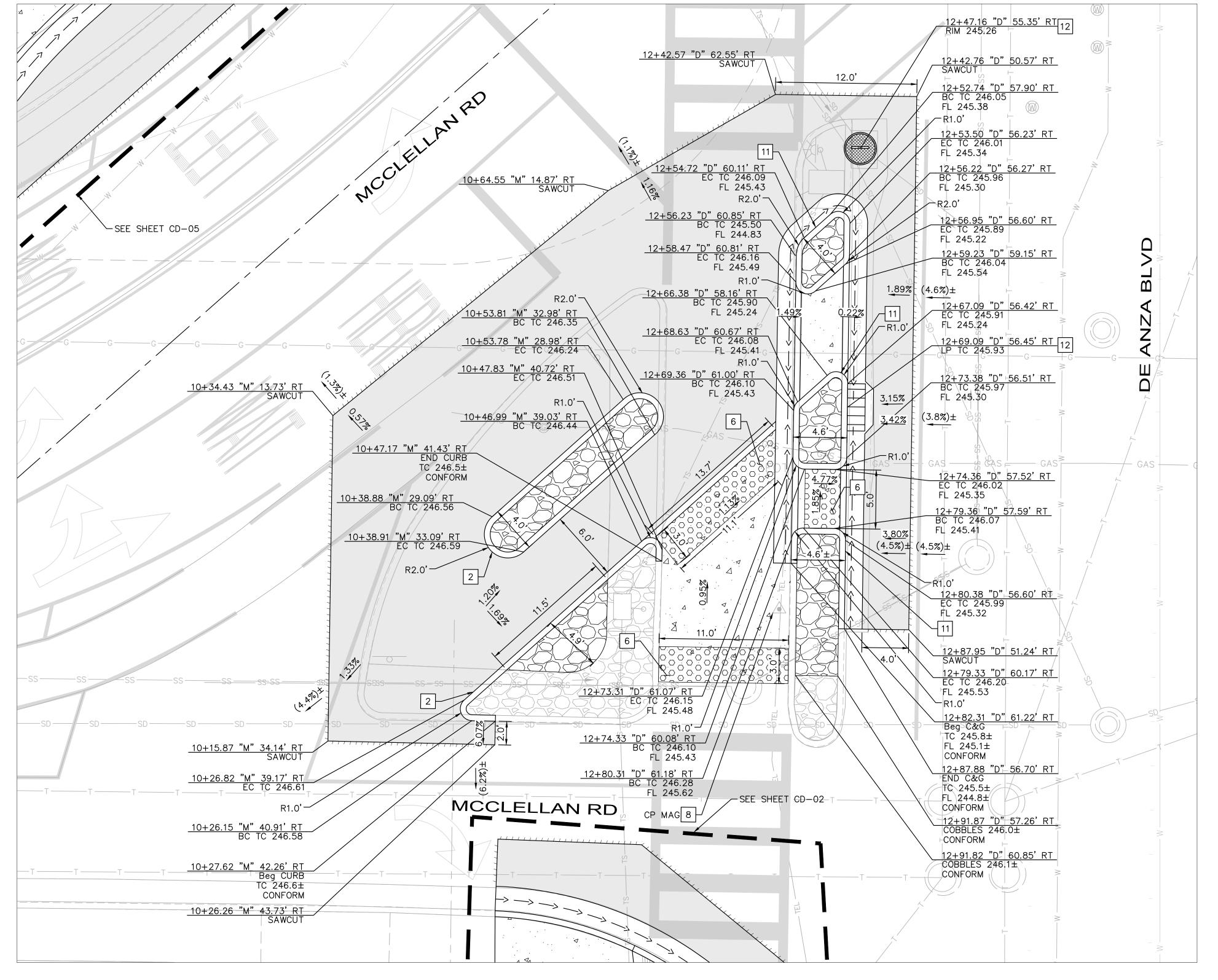
CITY OF CUPERTINO

1 inch = 5 ft.

GRAPHIC SCALE

CD-03

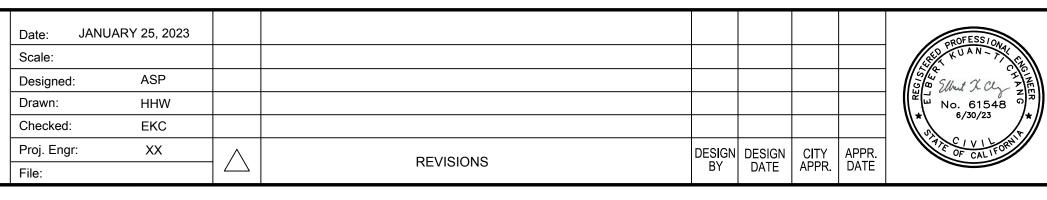
SHEET 7 OF 22



DE ANZA BLVD AND MCCLELLAN RD SW PEDESTRIAN PASSAGE AND ISLAND CONSTRUCTION DETAILS

# CALL TWO WORKING DAYS BEFORE YOU DIG

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#### IMPROVEMENT PLANS FOR

# PACIFICA DRIVE INTERSECTION MODIFICATION

CIVIL CONSTRUCTION DETAILS

FOR CITY OF CUPERTINO USE

**CUPERTINO** VOICE MAIL:

PROJECT # 2020-12

NOTES:

LEGEND:

\_/\_/\_/\_

\_\_\_\_\_

\_\_\_\_\_

XX%

(XX%)±

8 PROTECT IN PLACE

1. SEE GN-01 FOR DEMOLITION & CONSTRUCTION NOTES.

HMA PAVEMENT (12" DEPTH)

DETECTABLE WARNING SURFACE

(SHOWN FOR REFERENCE ONLY)

APPROXIMATE EXISTING GRADE

2 INSTALL TYPE A1-8 CURB PER CITY OF CUPERTINO STANDARD DETAIL 1-16.

6 CAST IN PLACE DETECTABLE WARNING SURFACE PER CITY OF CUPERTINO STANDARD DETAIL 1-24.

11 INSTALL MODIFIED TYPE A2-8 CURB AND GUTTER PER CITY OF CUPERTINO STANDARD DETAIL 1-16. MODIFIED GUTTER PAN TO BE

12 STORM DRAIN INFRASTRUCTURE. SEE SHEET UT-02 FOR DRAINAGE DETAILS.

CD-07 FOR DETAIL)

COBBLESTONE TREATMENT (SEE SHEET

PCC

SAWCUT

GRADE BREAK

RIGHT OF WAY

PROPOSED GRADE

EASEMENT

**CONSTRUCTION NOTES** 

CD-04

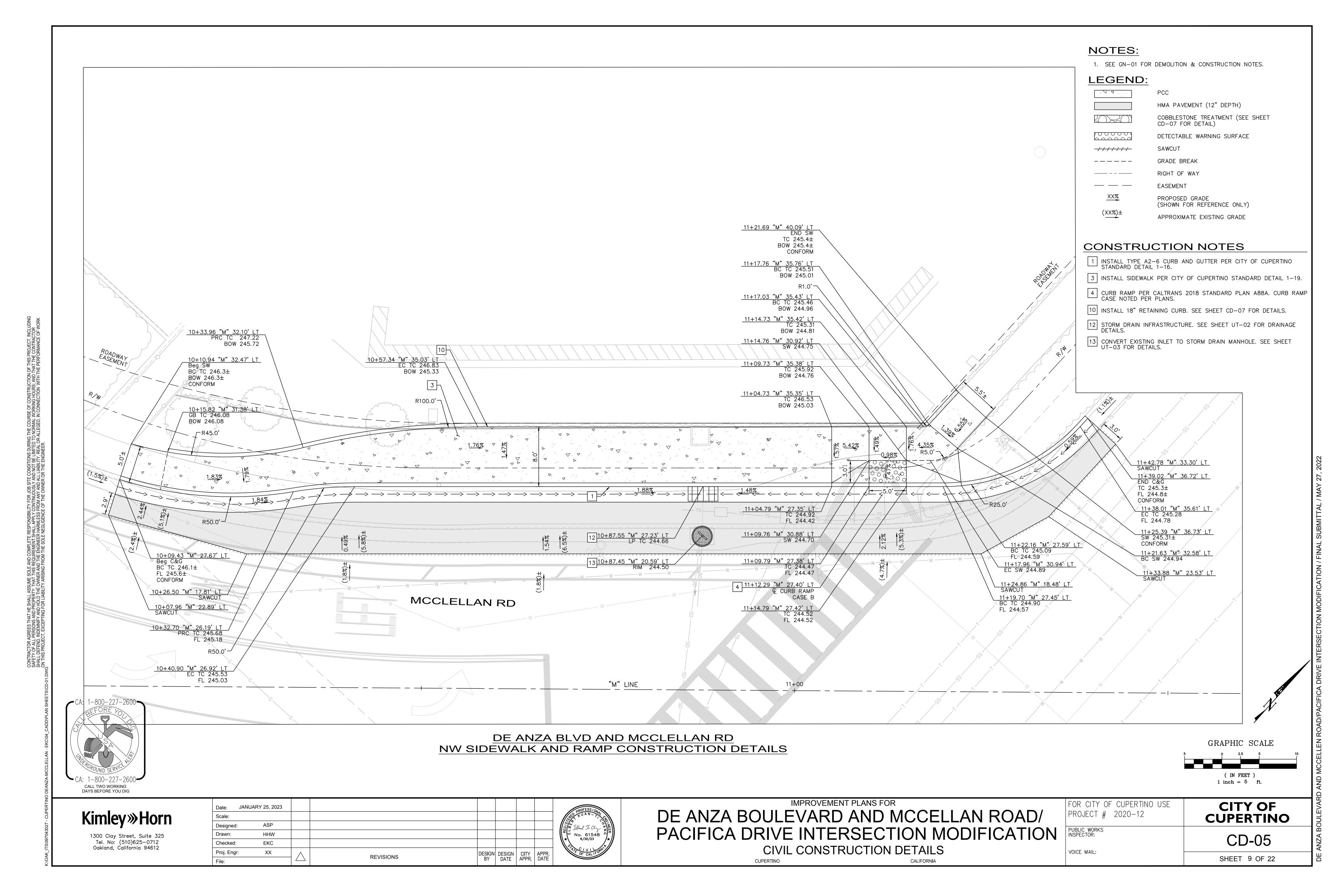
CITY OF

GRAPHIC SCALE

1 inch = 5 ft.

SHEET 8 OF 22

DE ANZA BOULEVARD AND MCCELLAN ROAD/



9 13+54.10 "M" 31.47' RT

DE ANZA BLVD AND PACIFICA DR SE SIDEWALK, DRIVEWAY, AND RAMP CONSTRUCTION DETAILS

## NOTES:

1. SEE GN-01 FOR DEMOLITION & CONSTRUCTION NOTES.

#### LEGEND:

HMA PAVEMENT (12" DEPTH)

COBBLESTONE TREATMENT (SEE SHEET CD-07 FOR DETAIL)

DETECTABLE WARNING SURFACE SAWCUT -/-/-/-/-

GRADE BREAK \_\_\_\_\_ RIGHT OF WAY \_\_\_\_\_

EASEMENT

XX% PROPOSED GRADE (SHOWN FOR REFERENCE ONLY) (XX%)± APPROXIMATE EXISTING GRADE

#### CONSTRUCTION NOTES

1 INSTALL TYPE A2-6 CURB AND GUTTER PER CITY OF CUPERTINO STANDARD DETAIL 1-16.

3 INSTALL SIDEWALK PER CITY OF CUPERTINO STANDARD DETAIL 1-19.

4 CURB RAMP PER CALTRANS 2018 STANDARD PLAN A88A. CURB RAMP CASE NOTED PER PLANS.

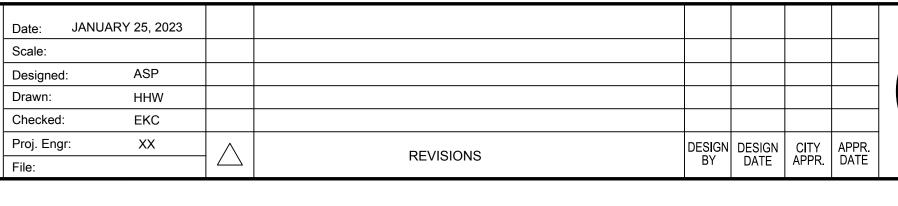
9 COMMERCIAL DRIVEWAY PER CITY OF CUPERTINO STANDARD DETAIL 1-20.

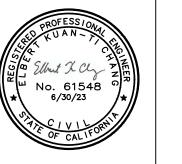
GRAPHIC SCALE



Kimley»Horn

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IMPROVEMENT PLANS FOR

DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

13+63.55 "M" 28.72' RT TC 242.78

FL 242.73

CIVIL CONSTRUCTION DETAILS

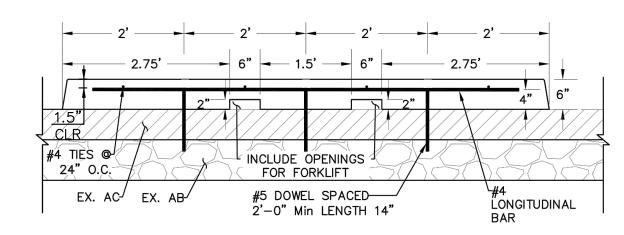
FOR CITY OF CUPERTINO USE PROJECT # 2020-12

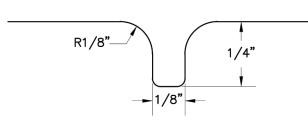
VOICE MAIL:

CITY OF **CUPERTINO** 

CD-06

SHEET 10 OF 22

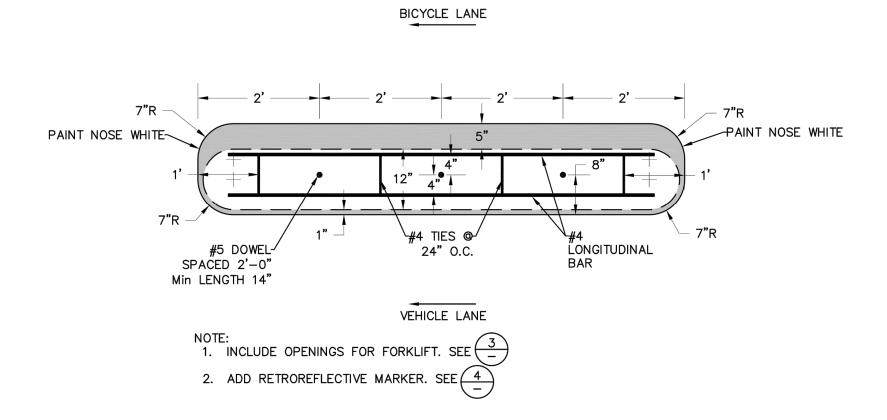


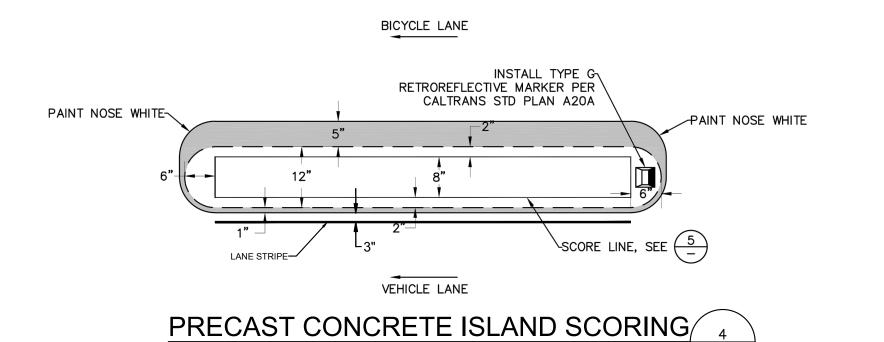


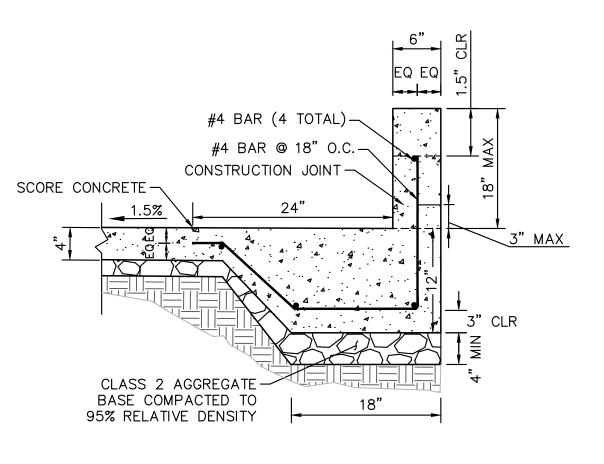






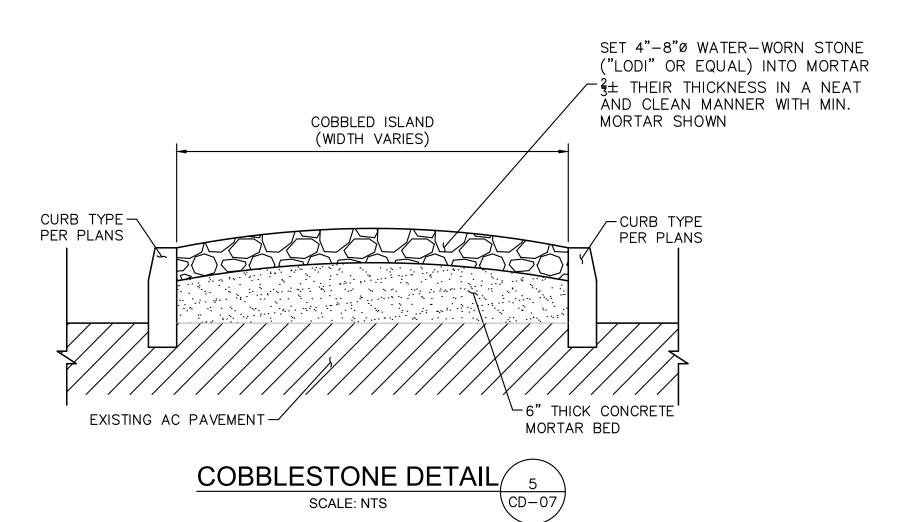






18" RETAINING CURB DETAIL 7



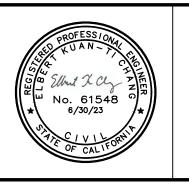




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mley»Horn	Scale:						
	Designed:	ASP					
300 Clay Street, Suite 325	Drawn:	HHW					
Tel. No: (510)625-0712	Checked:	EKC					
Oakland, California 94612	Proj. Engr:	XX			REVISIONS	DESIGN	1 DESI
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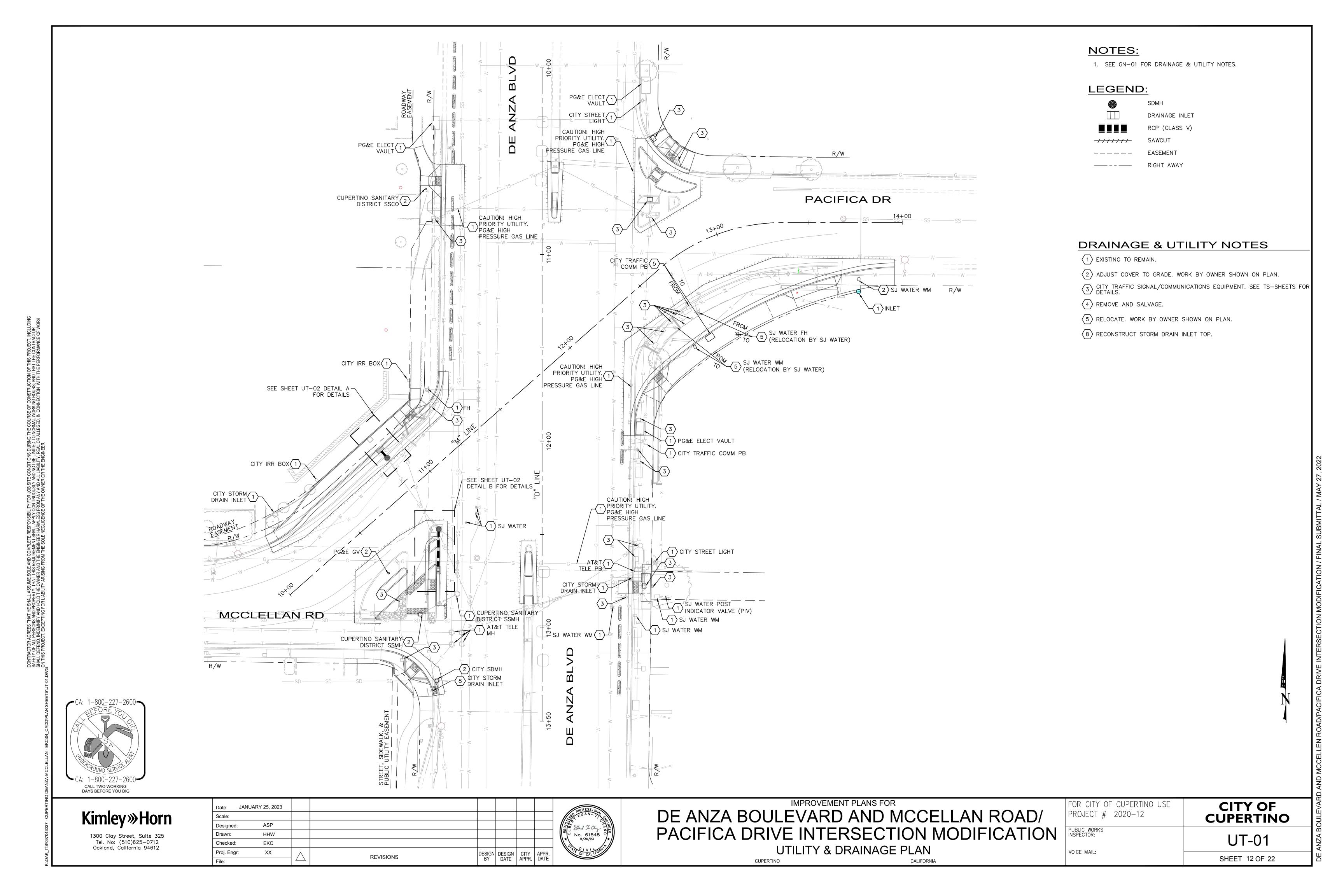
Date: JANUARY 25, 2023

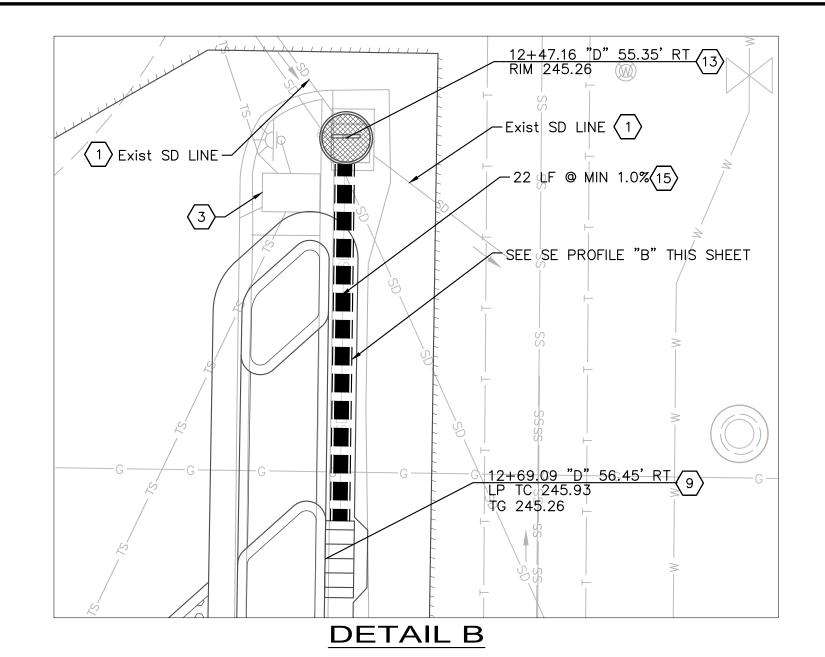


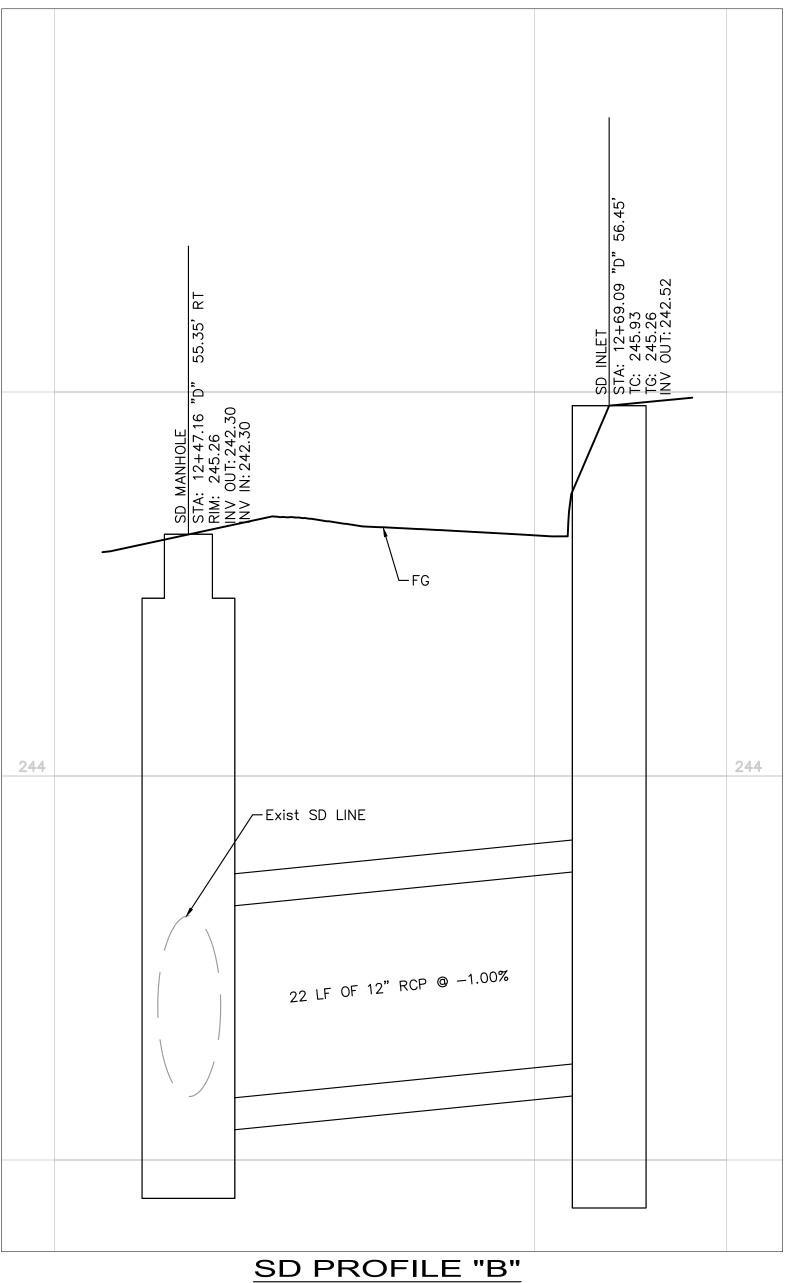
IMPROVEMENT PLANS FOR DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

CIVIL CONSTRUCTION DETAILS CALIFORNIA CUPERTINO

FOR CITY OF CUPERTINO USE CITY OF CUPERTINO PROJECT # 2020-12 CD-07 VOICE MAIL: SHEET 11 OF 22







#### NOTES:

1. SEE GN-01 FOR DRAINAGE & UTILITY NOTES.

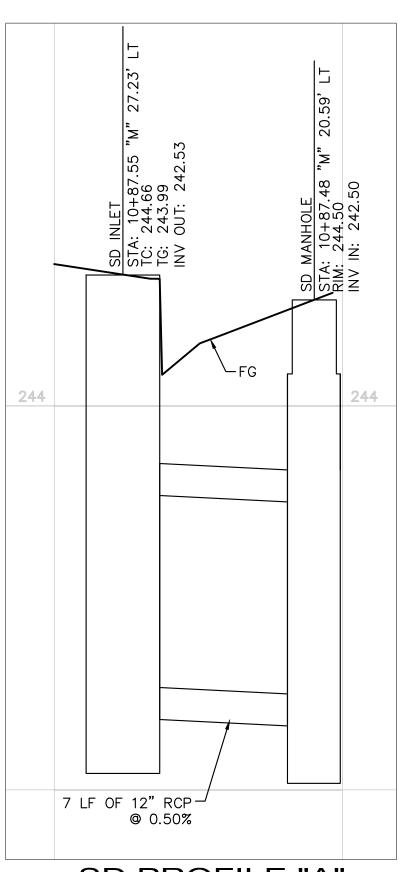
#### LEGEND:

DRAINAGE INLET RCP (CLASS V)

EASEMENT RIGHT AWAY

#### DRAINAGE & UTILITY NOTES

- $\langle 1 \rangle$  EXISTING TO REMAIN.
- 3 TS/LIGHTING EQUIPMENT. SEE TS-SHEETS FOR DETAILS.
- 4 REMOVE AND SALVAGE.
- 9 Install drop inlet per city of cupertino standard detail 3-2.
- (13) CONVERT EXISTING INLET TO STORM DRAIN MANHOLE. SEE SHEET UT-03 FOR DETAILS.
- (15) INSTALL 12" STORM DRAIN RCP.



SD PROFILE "A" HORZ SCALE: 1" = 5' VERT SCALE: 1" = 10'

IMPROVEMENT PLANS FOR

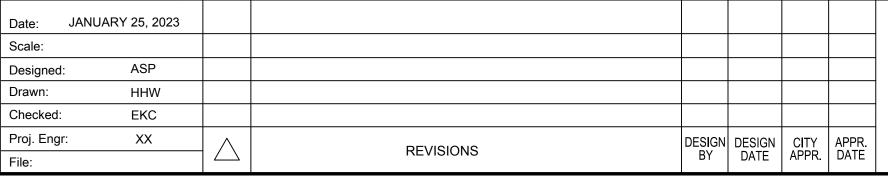
## DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

FOR	CITY	OF	CUPERTINO	U
PRO.	JECT	#	CUPERTINO 2020-12	

UT-02 VOICE MAIL:

**Kimley** » Horn

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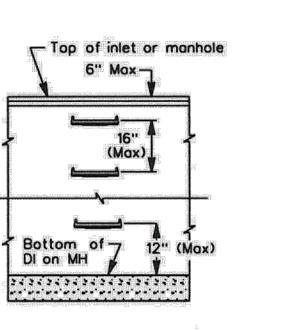
**UTILITY & DRAINAGE PLAN** 

GRAPHIC SCALE

( IN FEET ) 1 inch = 5 ft.

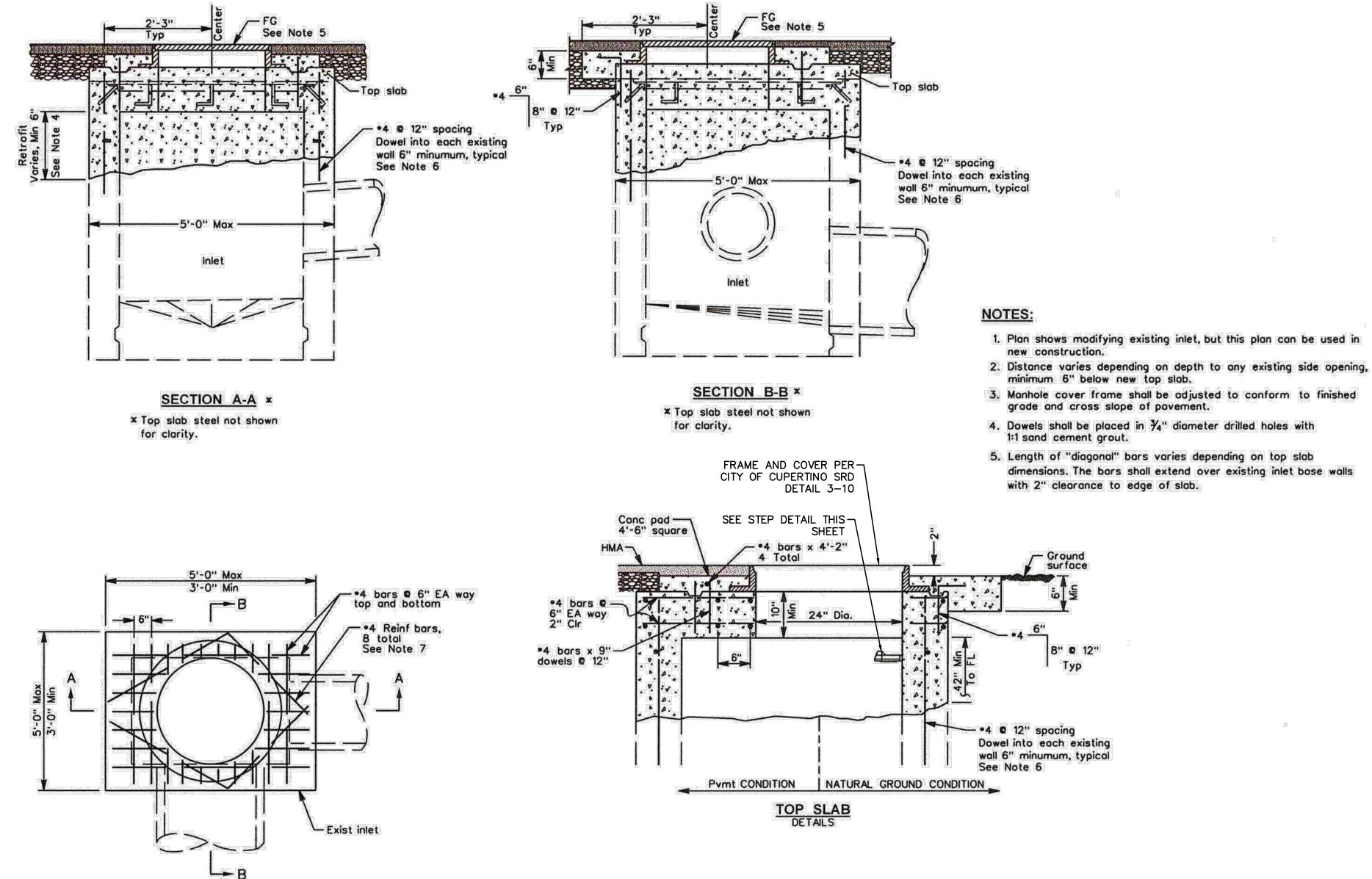
CITY OF CUPERTINO

SHEET 13 OF 22



Steps shall be steel reinforced polypropylene plastic, M.A. Industries, Inc. No. PS2-PF or equivalent. Steps to be cast in place or press fitted into holes per manufacturer. Install steps with lowest rung 12" maximum above the floor and highest rung not more than 6" below top of inlet. The spacing between steps shall not exceed 16" and shall be uniform throughout the length of the wall. Place steps in the wall without an opening. Steps shall not be installed on inlet back wall. No steps required where distance from floor of inlet to top of grate is 4' or less. See "Step Detail"

STEP DETAIL



CONVERT EXISTING INLET TO STORM DRAIN MANHOLE DETAIL

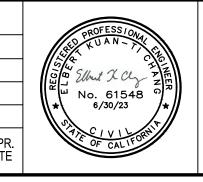
CALL TWO WORKING DAYS BEFORE YOU DIG

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ate:	JANUARY 25, 2023						
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hecked:	EKC						, <b>\</b>
roj. Engr:	: XX	DEVISIONS	DESIGN	DESIGN	CITY APPR.	APPR.	
ïle:		REVISIONS	BY	DATE	APPR.	DATE	

## IMPROVEMENT PLANS FOR DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION **UTILITY & DRAINAGE PLAN**

R CITY OF CUPERTINO USE OJECT # 2020-12	CITY OF CUPERTINO
BLIC WORKS PECTOR:  CF MAIL:	UT-03
CE MAIL.	SHEET 14 OF 22



11+82 "D" 60'± RT
Beg 2" GRIND & OVERLAY

13+21 "D" 63'± RT

Beg 2" GRIND & OVERLAY

# DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

PAVEMENT REHABILITATION

FOR CITY OF CUPERTINO USE PROJECT # 2020-12 PR-01 VOICE MAIL: SHEET 15 OF 22

### NOTES:

LEGEND:

2" GRIND & OVERLAY

1. SEE GN-01 FOR PAVEMENT REHABILITATION NOTES.

#### PAVEMENT REHABILITATION NOTES

- $\langle 1 \rangle$  EXISTING UTILITY VALVE/MANHOLE.
- THE FINAL 2" LIFT OF THE FULL DEPTH PAVEMENT SECTION SHALL BE PLACED CONCURRENTLY WITH THE 2" OVERLAY.



## **Kimley** » Horn

Date: JANUARY 25, 2023

Proj. Engr:

RTW LSCE

EKC

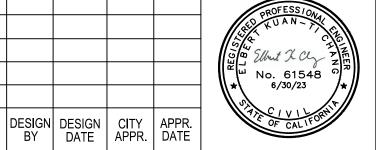
XX

FROM END OF Exist DWY

END 2" GRIND & OVERLAY

REVISIONS

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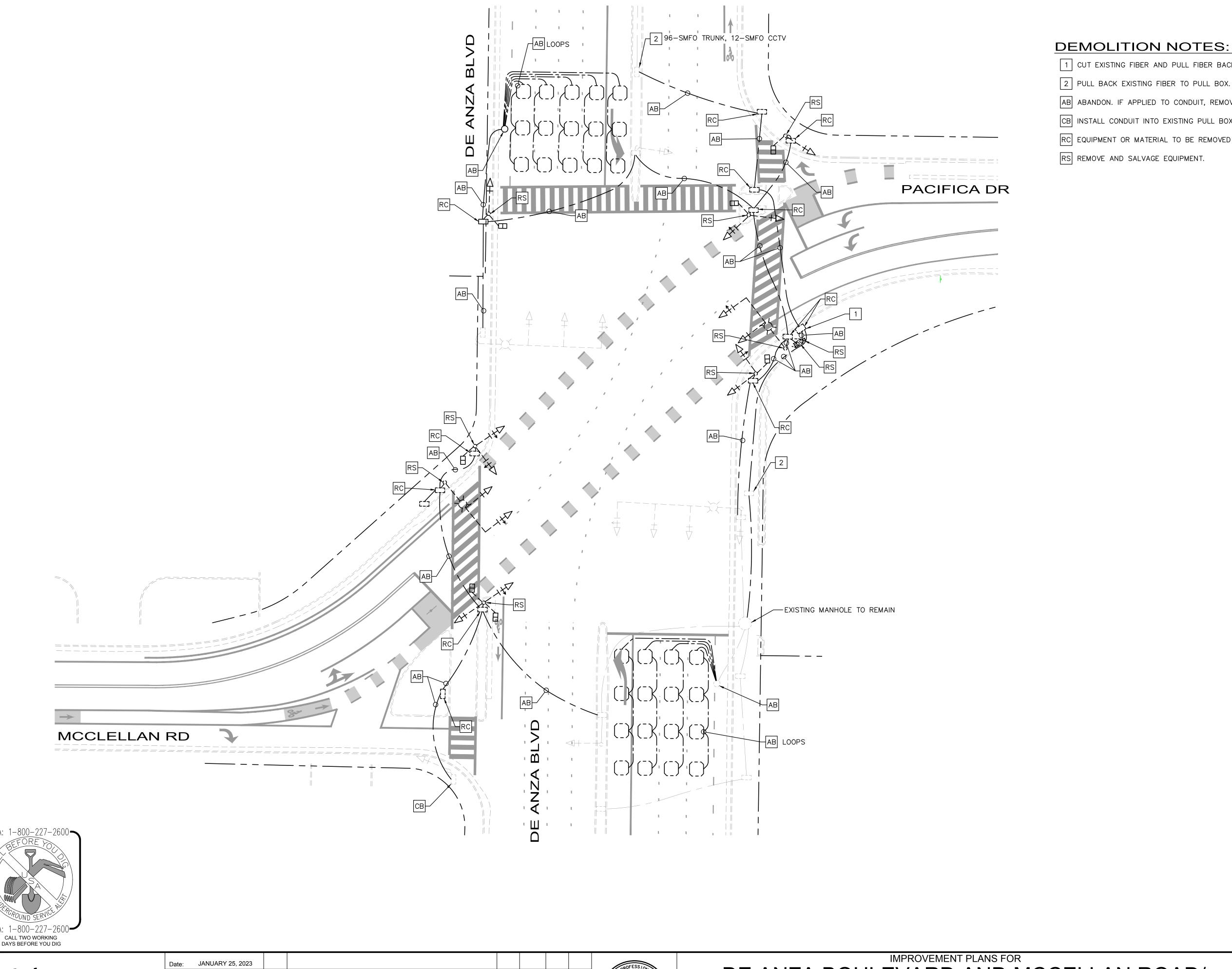


MCCLELLAN RD

IMPROVEMENT PLANS FOR

( IN FEET ) 1 inch = 20 ft. CITY OF CUPERTINO

GRAPHIC SCALE



- 1 CUT EXISTING FIBER AND PULL FIBER BACK TO PULL BOX AS NOTIFIED ON PLANS.
- 2 PULL BACK EXISTING FIBER TO PULL BOX. PROTECT FIBER.
- AB ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- CB INSTALL CONDUIT INTO EXISTING PULL BOX.
- RC EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.

## **Kimley** »Horn

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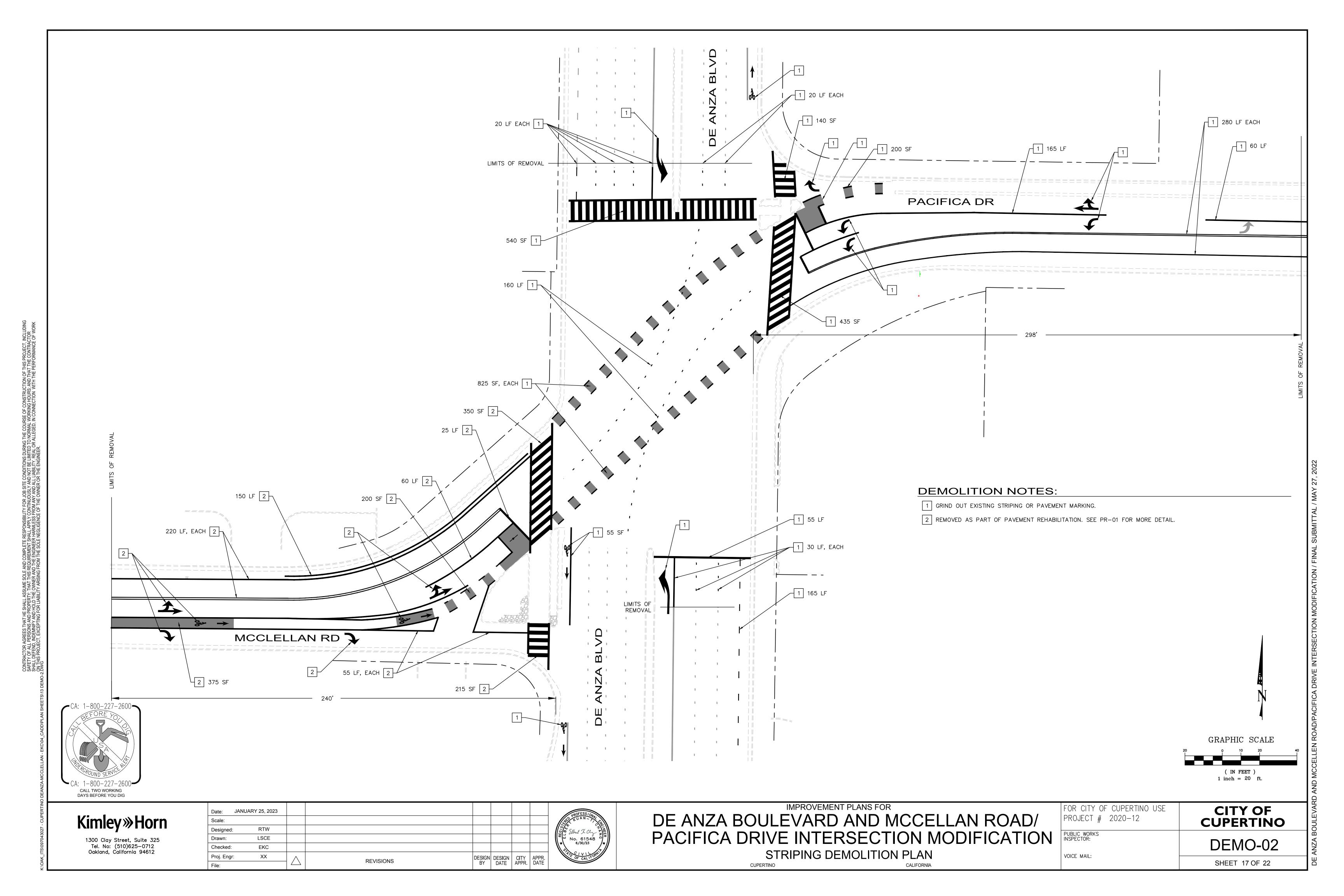
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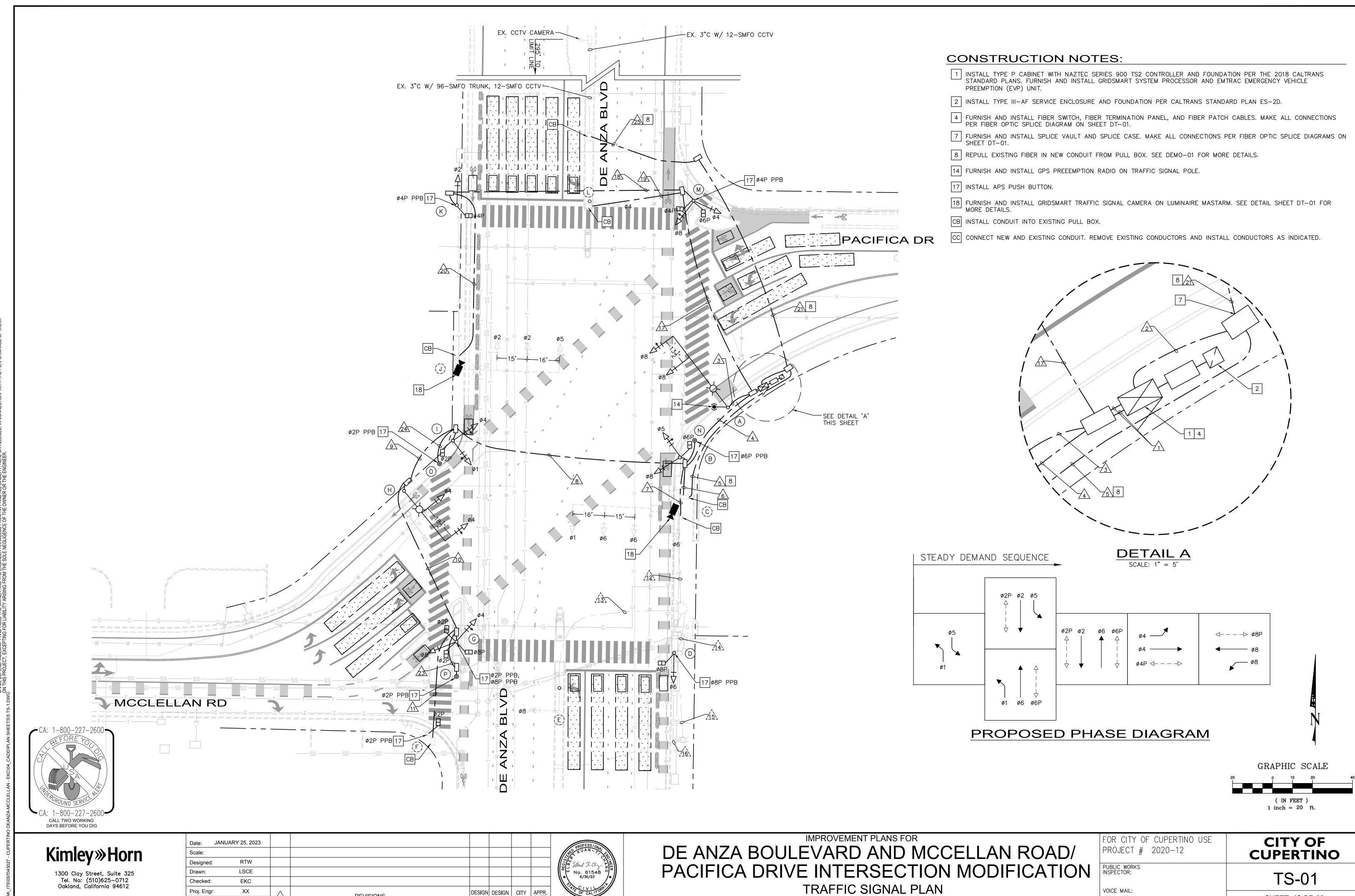


## DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION PUBL

TRAFFIC SIGNAL DEMOLITION PLAN

R CITY OF CUPERTINO USE OJECT # 2020-12	CITY OF CUPERTINO
BLIC WORKS PECTOR:	DEMO-01
CE MAIL:	SHEET 16 OF 22





DESIGN DESIGN CITY APPR. DATE REVISIONS

1	PUBLIC WORKS INSPECTOR:
	VOICE MAIL:

SHEET 18 OF 22

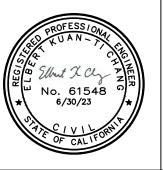
						POL	<u> </u>	ID E	JOIPME	NI SCI	HEDULE
LOCATION		STANDARD		VEHICLE SIGN	VEHICLE SIGNAL MOUNTING		PED SIGNAL APS MOUNTING		LED LUMINAIRE   STREET NAM	_	SPECIAL REQUIREMENTS
LOCATION -	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	MAST ARM	POLE	POLE	Ø	ARROW	(WATTS)	SIGN LEGEND	OF EOMETIC GOTTE TO THE TOTAL OF THE TOTAL O
(A) <sub>N</sub>	26-4-100 N	45'	12'	MAS MAS	-	-	-	-	135W		FURNISH AND INSTALL GPS RADIO ON TRAFFIC SIGNAL POLE.
B <sub>N</sub>	1-B <sub>N</sub>	-	-	-	SV-2-TA	SP-1-T	-	-	-		
(c)	29-5-100	55'	12'	MAS MAS MAS	SV-1-T	-	-	-	-		FURNISH AND INSTALL NEW VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM.
D N	1-B <sub>N</sub>	-	-	-	SV-1-T	SP-1-T	Ø8	RIGHT	-		
(E)	1-B	-	-	-	-	-	-	-	-		"R6-1R" AND "R3-5R" SIGNS INSTALLED ON SIGNAL POLE.
(F)	1-B	-	-	-	SV-1-T	SP-1-T	Ø2	RIGHT	-		
G <sub>N</sub>	1-B <sub>N</sub>	-	-	-	SV-2-TA	SP-2-T	Ø2 Ø8	DOUBLE RIGHT	-		
H N	24-4-100 <sub>N</sub>	35'	12'	MAS MAS	-	-	-	-	135W		
( ) N	1-B <sub>N</sub>	-	-	MAS MAS	SV-2-TA	SP-1-T	-	-	-		
(3)	29-5-100	55'	12'	MAS MAS MAS	-	-	-	-	135W		FURNISH AND INSTALL NEW VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM.
(K) N	1-B <sub>N</sub>	-	-	-	SV-1-T	-	Ø4	RIGHT	-		
(L)	1-B	-	-	-	SV-1-T	-	-	-	-		"R6-1R" SIGN INSTALLED ON SIGNAL POLE.
(M) N	1-B N	-	-	-	SV-2-TA	TV-1-T	Ø4 Ø6	LEFT LEFT	-		
N N	PPB POST N	-	-	-	-	-	Ø6	LEFT	-		
() N	PPB POST N	-	-	-	-	-	Ø2	LEFT	-		
PN	PPB POST N	-	-	-	-	-	Ø2	RIGHT	-		

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.



1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612

Date:	JANUARY 25, 2023						
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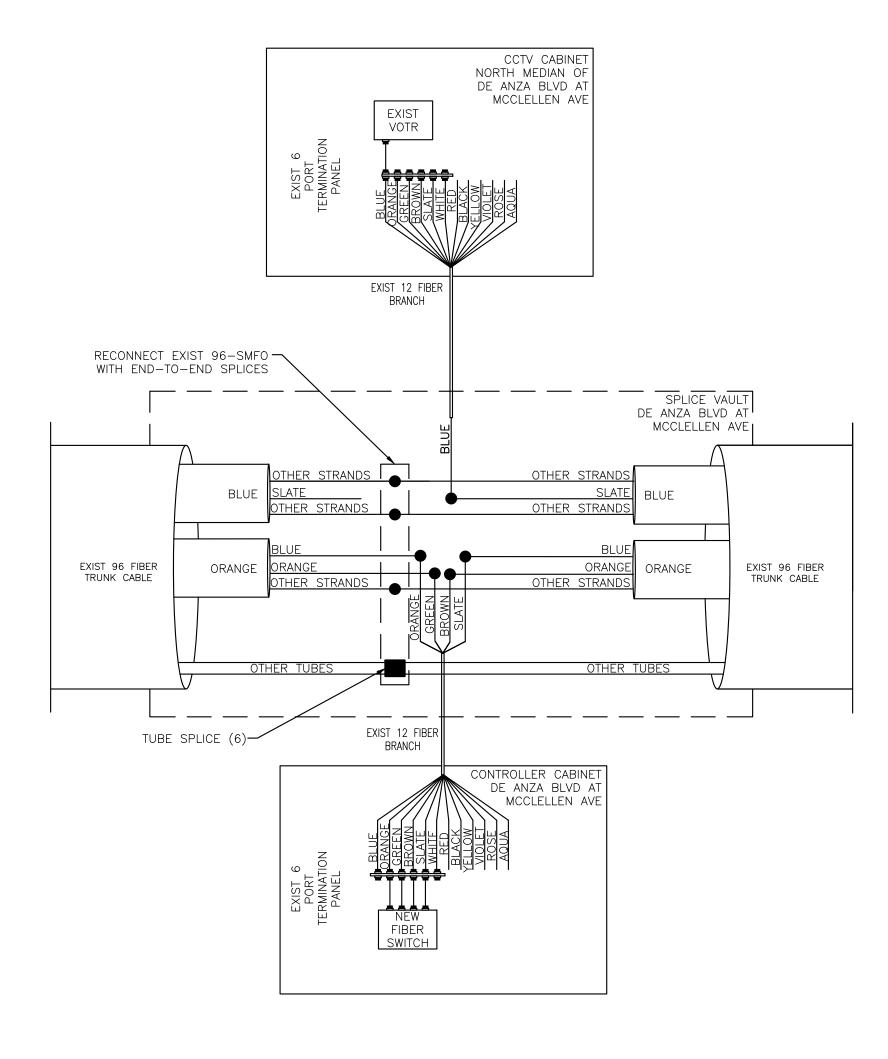
### IMPROVEMENT PLANS FOR DE ANZA BOULEVARD AND MCCELLAN ROAD/

PACIFICA DRIVE INTERSECTION MODIFICATION TRAFFIC SIGNAL SCHEDULE

FOR CITY OF CUPERTINO USE PROJECT # 2020-12	CITY OF CUPERTINO
PUBLIC WORKS INSPECTOR:	TS-02
VOICE MAIL:	SHEET 19 OF 22

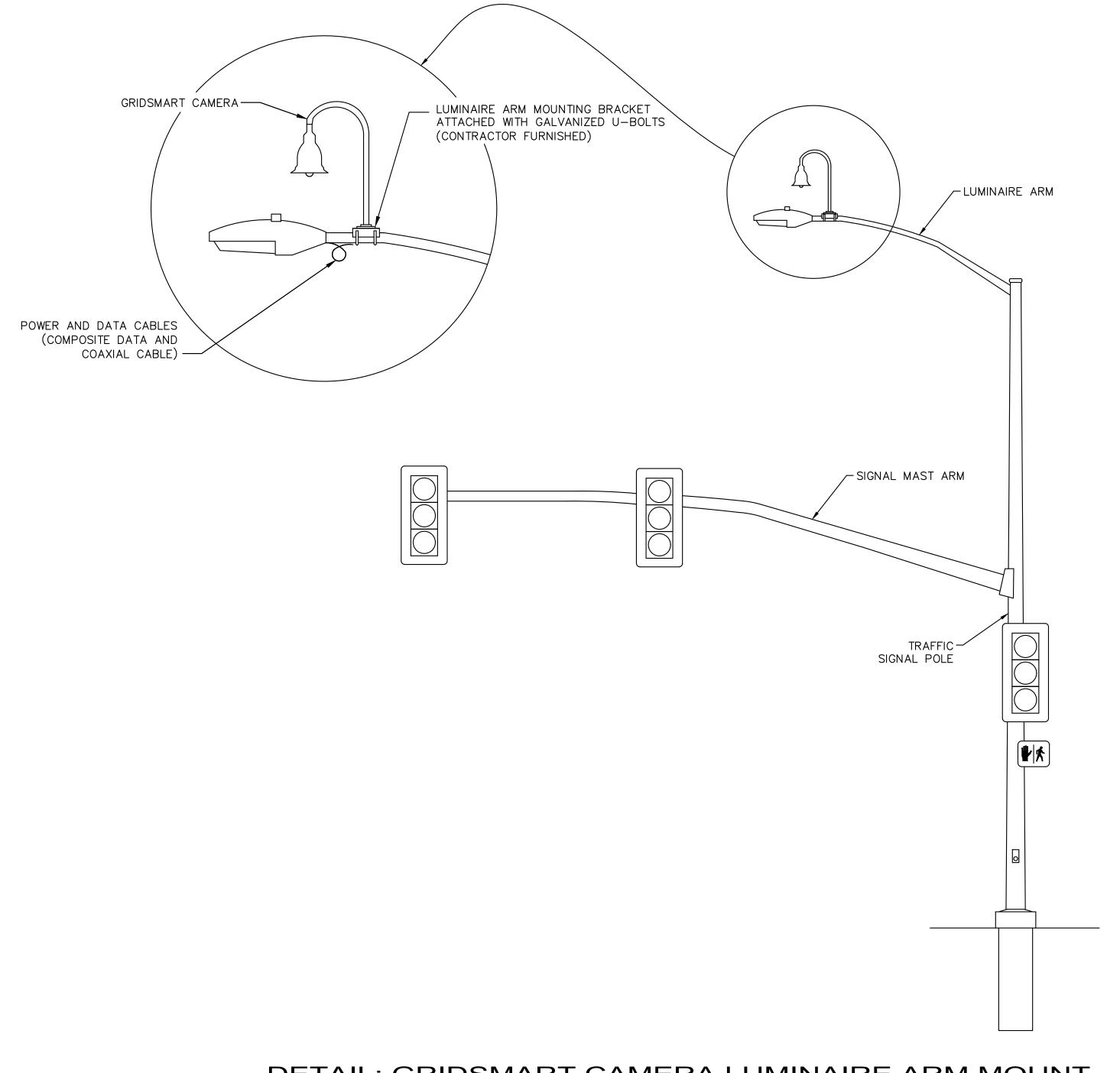
OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

(·\OAK\_ITS\097043027 — Cupertino DeAnza—McClellan — FKC\20\_0C\2021 11 15\_65%



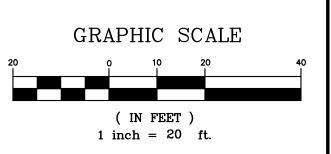
DETAIL: FIBER SPLICE DIAGRAM

NOT TO SCALE



DETAIL: GRIDSMART CAMERA LUMINAIRE ARM MOUNT

NOT TO SCALE



# A: 1-800-227-2600 CALL TWO WORKING DAYS BEFORE YOU DIG

## **Kimley Morn**

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Date:	JANUARY 25, 2023						
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# DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

TRAFFIC SIGNAL	DETAILS
RTINO	CALIFORNIA

FOR CITY OF CUPERTINO USE PROJECT # 2020-12	CITY OF CUPERTINO
PUBLIC WORKS INSPECTOR:  VOICE MAIL:	DT-01
VOICE MAIL:	SHEET 21 OF 22

Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or

Proper management of construction sites reduces pollution significantly.

This sheet summarizes the "Best Management Practices" (BMPs) for storm water pollution

#### ORDINANCE OF THE CITY OF CUPERTINO FOR STORM WATER POLLUTION PREVENTION & WATERCOURSE PROTECTION: Chapter 9.18

9.18.040 Discharge into the storm drain prohibited It is unlawful to cause, allow, or permit to be discharged, any discharge not composed entirely of stormwater to the storm drain system or to surface waters or to any location where it would contact or eventually be transported to surface waters, including flood plain areas, unless specifically called out in the Municipal Regional Permit as an exempt or conditionally exempt discharge.

9.18.070 Accidental Discharge All persons shall notify the Director of Public Works immediately upon accidentally discharging pollutants of concern to enable countermeasures to be taken by the City to minimize damage to storm drains and the receiving waters. Initial notification shall be followed, within five (5) business days of the date of occurrence, by a detailed written statement describing the causes of the accidental discharge and the measures being taken to prevent future occurrences. Such notification will not relieve persons of liability for violations of this chapter or for any fines imposed on the City on account thereof under Section 13350 of the California Water Code, or for violation of Section 5650 of the California Fish and Wildlife Code, or any other applicable

#### 9.18.220 Violation'

provisions of State or Federal laws.

Any person who violates any provision of this Chapter shall be guilty of a misdemeanor and upon conviction thereof shall be punished as provided in Chapter 1.12 of the City of Cupertino Municipal Code.

Chapter 1.12: General Penalty, Section 1.12.010, paragraph D, states\*:

Unless otherwise specified by this code, an infraction is

A fine not to exceed \$100 for a first violation

A fine not to exceed \$200 for a second violation A fine not to exceed \$500 for a third violation of

the same chapter within one year.

#### 9.18.240 Civil penalty for illicit discharges\*

Any person who discharges pollutants, in violation of this Chapter, by the use of illicit connections shall be civilly liable to the City in a sum not to exceed twenty-five thousand dollars per day per violation for each day in which such violation occurs.

\*Excerpts – For complete CODE language refer to the City of Cupertino Municipal Code.

> Building Dept: Public Works Dept:

408-777-3354 Santa Clara County Recycling Hotline 800-533-8414 www.reducewaste.org

408-253-7071

www.recyclestuff.com

Cupertino Sanitary Sewer Distr

Small Business Hazardous Waste

Santa Clara Valley Urban Runoff Pollution Prevention Prgm 800-794-2482

State Office of Emergency Services 1-800-852-7550 (24 hrs)

Report spills to 911

General Construction and Site Supervision

#### 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 ny environmental damage caused by your subcontractors or employees.

☐ 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. Advance Planning To Prevent Pollution

Schedule excavation and grading activities for dry weather periods. To reduce soil erosion, plant temporary vegetation or place other erosion controls before rain begins. Use available from the Regional Water Quality Control Board, as a reference.

Control the amount of runoff crossing you site (especially during excavation!) by using berns or temporary or permanent drainage ditches to divert water flow around the site Reduce stormwater run off velocities by constructing temporary check dams or berns where appropriate.

☐ Train your employees and subcontractors. he city can provide brochures about these issues for you to distribute to workers at your. construction site. Inform your subcontractors bout the stormwater requirements and the own responsibilities. Use Blueprint for a Clean Bay, a construction best management ractices guide available at our Building Dept. counter.

Painting and

Solvents and

Adhesives

Storm Drain Pollution from Paints.

Solvents, and Adhesives

creeks, San Francisco Bay, and the Pacific Ocean

Toxic chemicals may come from liquid or solid

products or from cleaning residues or rags. Paint

material and wastes, adhesives and cleaning fluid:

should be recycled when possible, or disposed of

properly to prevent these materials from flowing

Keep all liquid paint products and waste

Never clean brushes or rinse paint

away from the gutter, street, and storm

containers into a street, gutter, storm drain

For water-based paints, paint out brushes to

sink drain that goes to the sanitary sewer

☐ For oil-based paints, paint out brushes to the

extent possible and clean with thinner or

☐ When thoroughly dry, empty paint cans, used

brushes, rags, and drop doths may be

residue as hazardous waste

solvent. Filter and reuse thinners and solvents

where possible. Dispose of excess liquids and

the extent possible, and rinse into an inside

nto storm drains and watercourses.

Handling Paint Products

Painting Cleanup

French drain, or creek

All paints, solvents, and adhesives contain

chemicals that are harmful to wildlife in local

Good House keeping Practices Designate one area of the site for auto parking. vehicle refueling, and routine equipment maintenance. The designated are a should be well away from streams or storm drain inlets, bermed it

necessary. Make major repairs off site. ☐ To prevent off-site tracking of dirt, provide entrances with stabilized aggregate surfaces. O

Keep materials out of the rain - prevent runoff ontamination at the source. Cover exposed piles f soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep

and remove materials from surfaces that drain to storm drains, creeks, or channels. ☐ Contain all litter, food wrappers, bottles and around the site.

Clean up leaks, drips and other spills immediately so they do not contaminate soil or roundwater or leave residue on paved surface se dry cleanup methods whenever possible. you must use water, use just enough to keep the

☐ Cover and maintain dumpsters Place impsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing down on the construction site Place portable toilets away from storm drains.

Make sure portable toilets are in good working order. Check frequently for leaks. Materials/Waste Handling ☐ Practice Source Reduction -- minimize waste when you order materials. Estimate carefully.

Recycle excess materials, whenever possible such as concrete asphalt, scrap metal, solvents, degreasers, cleared vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires www.reducewaste.org for info Dispose of all wastes properly. Materials that

cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave then In addition to local grading and building permits. you will need to obtain coverage under the State's General Construction Activity Stormwater Permit

acre as of Mar. 2003.

your construction site's disturbed area totals 5

acres or more. Information on the General Perm

can be obtained from the Regional Water Quality

Paint chips and dust from non-hazardous

dry stripping and sand blasting may be

☐ Chemical paint stripping residue, and chips

and dust from marine paints, or paints

contractor.

swept up or collected in plastic drop cloths and

containing lead, mercury or tributyl tin must

be disposed of as hazardous wastes. Lead

based paint removal requires a state-certified

☐ When stripping or cleaning building exteriors

with high-pressure water, block storm drains.

into soil. Or, check with Cupertino Sanitary

washwater and dispose of it in a sanitary

constructed before 1978 can contain high

present. Before you begin stripping paint o

under high pressure, test paint for lead by

taking paint scrapings to a local laboratory

(See Yellow Pages for a state-certified

If there is loose paint on the building, or if the

paint tests positive for lead, block storm

to the sanitary sewer, or if you must send it

offsite for disposal as hazardous waste.

Paint Disposal, Return or Donation

Dispose of unwanted liquid paint, thinners.

Hazardous Waste Prgm. 299-7300).

olvents, glues, and deaning fluids as

hazardous waste (call the Small Business

Or Return to supplier (Unopened cans of paint

☐ Donate excess paint (call 299-7300 to donate.)

vendor regarding its "buy-back" policy.)

may be able to be returned. Check with the

drains. Check with Cupertino Sanitary District

to determine whether you may discharge water

amounts of Lead, even if paint chips are not

cleaning pre-1978 building exteriors with water

☐ Washwater from painted buildings

Direct washwater onto a dirt area and spade

District to find out if you can mop or vacuum the

sewer drain. Sampling of the washwater may

Control Board. (This criteria will change to one

Zanker Rd. landfill are the nearest ☐ Do not blow or rake leaves into

Lands caping/Garden Maintenance

tarps or secured plastic sheeting.

Protect stockpiles and landscaping materials

from wind and rain by storing them under

☐ Schedule grading and excavation projects

Re-vegetation is an excellent form of erosion

chemicals indoors or in a shed or storage

instructions on the label. Rinse empty

trash. Dispose of unused pesticides as

and composted by the city's contractors

Residents are encouraged to compost

yardwaste on-site themselves. Or take

yard waste to a land fill where it will be

Landscape contractors should

take clippings and pruning waste

waste (BFI's Newby Island and

In Cupertino, residents with curbside recycling

can collect lawn, garden and tree trimmings

vardwaste toters. Yardwaste will be collected

General Business Practices

Develop and implement erosion/sediment

Check for and repair leaking equipment.

Perform major equipment repairs at

control plans for roadway embankments.

Schedule excavation and grading work during

designated areas in your maintenance yard.

maintenance must be done on site, designate a

location away from storm drains and creeks.

etc, whenever possible, or dispose of properly

Avoid creating excess dust when breaking asphalt

After breaking up old pavement, be sure to

remove all chunks and pieces. Make sure

broken pavement does not come in contact

When making saw cuts, use as little water as

Sweep, never hose down streets to clean up

tracked dirt. Use a street sweeper or vacuum

truck. Do not dump vacuumed liquor in storm

properly dispose of, all residues

possible. Shovel or vacuum saw-cut slurry and

remove from the site. Cover or protect storm

drain inlets during saw-cutting. Sweep up, and

(www.recyclestuff.com for list of recycling

where cleanup is easier. Avoid performing

equipment repairs at construction sites.

When refueling or when vehicle le quipment

Do not use diesel oil to lubricate equipment

Recycle used oil, concrete, broken a sphalt,

parts or clean equipment.

Asphalt/Concrete Removal

with rainfall or runoff.

Store pesticides, fertilizers, and other

control for any site.

hazardous waste.

Landscaping, Storm Drain Pollution Gardening, from Landscaping and Swimming Pool Maintenance and Pool Many landscaping activities expose soils and increase the likelihood that earth and garden Maintenance

chemicals will run off into the storm drains during rrigation or when it rains.

Swimming pool water containing chlorine and opper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Pool/Fountain/Spa Maintenance Draining pools or spas

When it's time to drain a pool, spa, or fountain Use temporary check dams or ditches to please be sure to call the Cupertino Sanitary divert runoff away from storm drains. District before you start for further guidance of flow rate restrictions, backflow prevention, and Protect storm drains with sandbags, gravel filled bags, straw wattles, or other sediment handling special cleaning waste (such as acid wash). Discharce flows should be kept to the lov levels typically possible through a garden hose

> ☐ Never discharge pool or spa water to a street or storm drain; discharge to a

> > sanitary sewer cleanout

Higher flow rates may be prohibited by local

Use pesticides sparingly, according to If possible, when emptying a pool or spa, let chlorine dissipate for a few days and then containers, and use rinsewater as produc recycle/reuse water by draining it gradually Dispose of rinsed, empty containers in the onto a landscaped area.

☐ Do not use copper-based algaecides Control algae with chlorine or other alternatives, such as sodium bromide. Filter Cleaning

Never clean a filter in the street or near a stom drain. Rinse cartridge and diatomaceous earth filters onto a dirt area, and spade filter residue into soil. Dispose of

spent diatomaceous earth in the garbage.

☐ If there is no suitable dirt area, call Cupertino Sanitary for instructions on discharging filter backwash or rinsewater t the sanitary sewer.

### Earth-Moving **Activities**

#### Storm Drain Pollution from Earth-Moving Activities

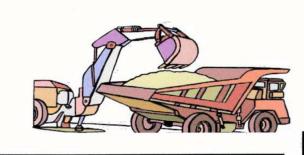
Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm crains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and cestroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff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

#### Practices During Construction

Remove existing vegetation only when absolutely necessary. Plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.

☐ Protect downslope drainage courses, streams, and storm drains with wattles, or temporary drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's Erosion and Sediment Control Field Manual for proper erosion and sediment control

Over stockpiles and excavated soil with secured tarps or plastic sheeting



## Dewatering **Operations**

#### Storm Drain Pollution From Dewatering Activities

Be sure to call your city's storm water inspector at 408-472-9907 before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, and sediment trap may be required. Reuse water for dust control, irrigation or another on-site purpose to the greatest extent

#### Check for Sediment or Toxic Pollutants

☐ Check for odors, discoloration, or an oily sheen on ground water

☐ Ask your city inspector whether the groundwater must be tested by a certified

Depending on the test results, you may be allowed to discharge pumped groundwater to the storm drain OR you may be required to discharge to the sanitary sewer or collect and haul the water off-site for treatment and disposal at an appropriate treatment facility.

☐ When discharging to a storm drain, protect the inlet using a barrier of burlap bags filled with drain rock, or cover inlet with filter fabric anchored under the grate.

☐ Contact Cupertino Sanitary District at 253-7071 prior to discharging to the sanitary sewer

#### Heavy Equipment Operation

#### Storm water Pollution from Heavy Equipment on

Construction Sites Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or common sources of storm drain pollution Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

#### Site Planning and Preventive Vehicle

Designate one area of the construction site, well away from stream sor storm drain inlets for auto and equipm ent parking refueling, and routine ve hicle and equipment maintenance. Contain

the area with berms, sand bags, or other

■ Maintain all vehicles and heavy equipment. In spect frequently for and repair leaks. Perform major main tenance, repair jobs, and

clean up is easier If you must drain and replace motoroil, radiator oolant or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect properly dispose as hazardoùs waste (recycle

☐ Do not use dieseloil to lubricate equipmen any onsite cleaning.

☐ Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events. Spill Cleanup

Clean up spills im mediately

Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled Used ry cleanup methods (absorbent materials cat litter and/or rags) whenever possible and properly dispose of absorbent

Sweep up spilled dry materials immediately.

☐ Use as little water as possible for dust control. Ensure water used doesn't leave silt or discharge to storm drains. Clean up spills on dirtareas by digging up and properly disposing of contaminated soil.

Call 911 for significant spills human health and safety, property or the environment, you must also report it to the

State Office of Emergency Services

## The property owner and the contractor share ultimate responsibility for the activities that occur on a construction site. You may be held responsible for any environmental damage caused by your subcontractors or employees.

Storm Drain Pollution

Road paving, surfacing, and pavement removal

excavated material to illegally enter storm drains

Extra planning is required to store and dispose of

materials properly and guard against pollution of

Avoid paving and seal coating in wet

weather, or when rain is forecast, to prevent

fresh materials from contacting stormwater

☐ Cover and seal catch basins and manholes

Protect drainage ways by using earth dikes,

Never wash excess material from exposed-

Cover stockpiles (asphalt, sand, etc.) and

Park paving machines over drip pans or

☐ Clean up all spills and leaks using "dry"

excess abrasive gravel or sand. ???

methods (with absorbent materials and/or

Collect and recycle or appropriately dispose of

■ A void over-application by water trucks for dust

sand bags, or other controls to divert or trap

aggregate concrete or similar treatments into

a street or storm drain. Collect and recycle, or

other construction materials with plastic tarps

temporary roofs or plastic sheets and berms

absorbent material (cloth, rags, etc.) to catch

rags), or dig up, remove, and properly dispose

Protect from rainfall and prevent runoff with

when applying seal coat, slurry seal, fog seal,

opportunities for a sphalt, saw-cut slurry, or

storm drains, creeks, and the Bay

**During Construction** 

or similar materials.

dispose to dirt area.

drips when not in use

of contaminated soil.

and filter runoff

from Roadwork

happen right in the street, where there are numerous

### Removal of BMP Facilities The Project Contractor is responsible

for removal of all BMP Facilities located within the Public Right of Way upon project final inspection.

## Fresh Concrete

### Application Storm Drain Pollution from

and Mortar

#### 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 to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

#### General Business Practices

Wash out concrete mixers only in designated washout areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage Whenever possible, recycle washout by pumping back into mixers for reuse.

Wash out chutes onto dirt areas that do not

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.

#### **During Construction**

Don't mix up more fresh concrete or cement than you will use in a two-hour period. ☐ Set up and operate small mixers on tarps or

When cleaning up after driveway or sidewall construction, wash fines onto dirt areas, not down the drive way or into the street or storm

☐ Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.

☐ Wash down exposed aggregate concrete only when the washwater can (1) flow onto a dirt area, (2) drain onto a bermed surface from which it can be pumped and disposed of properly, or (3) be vacuumed from a catchmer created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure run off does not reach gutters or

■ When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete. See www.reducewaste.org for info on recyclers.

Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.

☐ Never dispose of washout into the street; storm drains, drainage ditches, or streams



#### **Small Business Hazardous Waste** Disposal Prgm

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month are eligible to use this program Call 408-299-7300 for a quote.





**UPDATED SEPTEMBER 20** 

DIRECTOR OF PUBLIC WORKS

91/16 CONSTRUCTION BEST MANAGEMENT PRACTICES

CITY OF CUPERTINO DEPARTMENT OF PUBLIC WORKS

1300 Clay Street, Suite 325 Tel. No: (510)625-0712 Oakland, California 94612

JANUARY 25, 2023 RTW Designed: LSCE EKC Checked: Proj. Engr: XX **REVISIONS** BY | DATE | APPR. | DATE

No. 61548

IMPROVEMENT PLANS FOR

DE ANZA BOULEVARD AND MCCELLAN ROAD/ PACIFICA DRIVE INTERSECTION MODIFICATION

FOR CITY OF CUPERTINO USE **CITY OF** PROJECT # 2020-12 **CUPERTINO** 

VOICE MAIL:

SHEET 22 OF 22

**CUPERTINO** 

CALIFORNIA

**BMP-01**