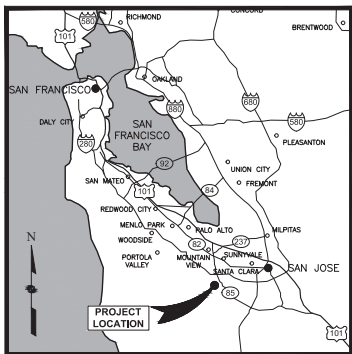




PUMPKIN-FIESTA STORM DRAIN IMPROVEMENT PROJECT

CUPERTINO, CALIFORNIA

PROJECT NO. 2022-01



LOCATION MAP

PROJECT BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS GPS DERIVED AND IS ON NAD83(2011) EPOCH 2010.00, CALIFORNIA STATE PLANE ZONE 2. DISTANCES ARE GROUND DISTANCES. MULTIPLY GROUND DISTANCES BY 1.0000711312 TO OBTAIN GRID DISTANCES.

PROJECT BENCHMARK

ELEV DATUM:
ELEVATIONS SHOWN ARE IN NORTH AMERICAN VERTICAL DATUM (NAVD88).



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.



SITE MAP

SCALE: 1" = 150'

SHEET INDEX

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3	C1.0	DEMOLITION PLAN / POTHOLE PLAN
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Chad Mosley
CHAD MOSLEY, P.E.
CITY OF CUPERTINO
CITY ENGINEER

3-15-2023

DATE

Benjamin T. Porter
BENJAMIN PORTER, P.E.
DISTRICT MANAGER-ENGINEER
CUPERTINO SANITARY DISTRICT

4/5/2023

DATE

100% SUBMITTAL
NOT FOR CONSTRUCTION



BKF ENGINEERS
255 SHORELINE DRIVE
SUITE 200
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(650) 482-6300
www.bkf.com

DATE: FEBRUARY 10, 2023
SCALE: NO SCALE
DESIGNED:
DRAWN: AD
CHECKED: RM
PROJ. ENGR: SP
FILE:

REVISIONS

DESIGNER: DATE: CITY: APPR. DATE:



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT

10300 TORRE AVENUE
CUPERTINO, CA 95014
(408) 777-3354
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IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA

TITLE SHEET

FOR CITY OF CUPERTINO USE
PROJECT # 2022-01

PUBLIC WORKS
INSPECTOR:
VOICE MAIL:

**CITY OF
CUPERTINO**
CO.0

SHEET 1 OF 15

- ALL WORK SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION, AS AMENDED), AND STANDARD PLANS (LATEST EDITION, AS AMENDED), AND CITY OF CUPERTINO STANDARD DETAILS, AND CUPERTINO SANITARY DISTRICT STANDARD DETAILS. THE CONTRACTOR SHALL PERFORM THE WORK DESCRIBED IN THE SPECIFICATION, AND AS SHOWN ON THE DRAWINGS, AND TO THE SATISFACTION OF THE CITY ENGINEER.
- APPROVAL OF THESE PLANS SHALL NOT RELEASE THE CONTRACTOR OF THE RESPONSIBILITY FOR 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 STANDARD DETAILS OR THESE IMPROVEMENTS 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, AT THE SOLE EXPENSE OF THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE APPROVED PLANS OR THE LATEST REVISED PLANS ARE FURNISHED TO ITS SUBCONTRACTORS, AND TO ENSURE THE LATEST APPROVED PLANS ARE ONSITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY TWO (2) WORKING DAYS PRIOR TO REQUIRING AN INSPECTION.
- CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO BEGINNING OF WORK.
- THE CONTRACTOR SHALL LOCATE UNDERGROUND FACILITIES IN THE AREA OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO (2) WORKING DAYS IN ADVANCE OF ANY WORK FOR LOCATION OF THE UNDERGROUND FACILITIES.
- STORM DRAIN LINES INSTALLED AS PART OF THE WORK ON THESE PLANS SHALL BE CLEARED OF ALL DEBRIS AND OBSTRUCTIONS PRIOR TO FINAL ACCEPTANCE.
- ALL TRENCH BACKFILL, FILL AREAS, AND BASE MATERIAL SHALL ATTAIN A MINIMUM 95% RELATIVE COMPACTION. FOR TYPICAL TRENCH SECTIONS, EXCEPT FOR SANITARY SEWERS, REFER TO THE CITY STANDARD DETAIL 4-24 ON SHEET C3.0.
- TREES, ROOTS, AND FOREIGN MATTER IN EXISTING OR PROPOSED RIGHT-OF-WAY SHALL BE REMOVED TO A DEPTH OF TWO (2) FEET BELOW SUBGRADE AND DISPOSED OF PER CALTRANS STANDARDS. IN THE CASE OF LIVE TREE ROOTS FROM CITY STREET TREES, CONTRACTOR SHALL CONTACT THE CITY FOR FIELD OBSERVATION PRIOR TO REMOVING TREE ROOTS.
- TRENCH PLATES IN THE TRAVELED WAY SHALL BE TRAFFIC RATED AND PROPERTY SECURED.
- ALL NEW PAVEMENT SHALL MATCH THE EXISTING PAVEMENT SECTION. A MINIMUM PAVEMENT SECTION OF 3" AC/ 6" CLASS 2 AB IS REQUIRED.
- EXISTING PAVEMENT THAT IS REMOVED OR DAMAGED SHALL BE REPLACED AS REQUIRED BY THE CITY ENGINEER.
- MANHOLE FRAMES AND COVERS SHALL BE BROUGHT TO FINISH GRADE PRIOR TO FINAL SIGNOFF.
- CONCRETE FOR USE IN ALL CONCRETE STRUCTURES SHALL CONFORM TO CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 90 UNLESS NOTED OTHERWISE ON PROJECT STRUCTURAL PLANS. DROP INLETS, SIDEWALKS, CURBS AND GUTTERS SHALL CONTAIN 590 LBS. OF CEMENT PER CUBIC YARD AND SHALL ATTAIN A MINIMUM STRENGTH OF 3,000 PSI IN 28 DAYS.
- DROP INLETS SHALL BE CONSTRUCTED CONFORMING TO CITY STANDARD DETAILS UNLESS OTHERWISE NOTED ON THE PLANS. DROP INLETS SHALL BE INSTALLED CONCURRENT WITH THE CONSTRUCTION OF THE CURB AND GUTTER "NO DUMPING FLOWS TO THE BAY." PLAQUE SHALL BE INSTALLED ON THE CURB ADJACENT TO ALL INLETS.
- ONE POUND OF DISPERSING BLACK SHALL BE MIXED WITH EACH CUBIC YARD OF CONCRETE AT THE BATCH PLANT.
- NEW CITY STANDARD STREET MONUMENTS AND OTHER PERMANENT MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY ENGINEER. ATTENTION IS DIRECTED TO SECTION 8771 OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE FOR THE REQUIREMENTS CONCERNING SURVEY MONUMENTS. EXISTING SURVEY MONUMENTS SHALL BE LOCATED AND REFERENCED BY OR UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER PRIOR TO CONSTRUCTION OPERATIONS, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR OF THE COUNTY OF SANTA CLARA. EXISTING SURVEY MONUMENTS SHALL BE RESET TO FINISH GRADE, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR OF THE COUNTY OF SANTA CLARA PRIOR TO THE RECORDING OF THE CERTIFICATE OF COMPLETION FOR THE PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND ENSURING THE AREA ADJACENT TO THE WORK IS LEFT IN A CLEAN CONDITION.
- CONTRACTOR SHALL REVIEW CITY DETAIL 6-4 ON TREE PROTECTION PRIOR TO ACCOMPLISHING ANY WORK OR REMOVING ANY TREES.
- UTILIZE BEST MANAGEMENT PRACTICES (BMP'S), AS REQUIRED BY THE STATE WATER RESOURCES CONTROL BOARD, FOR ANY ACTIVITY, WHICH DISTURBS THE SOIL.
- CUPERTINO SANITARY DISTRICT INSPECTORS SHALL BE NOTIFIED 48 HOURS PRIOR TO WORK ON AND NEAR DISTRICT ASSETS AT (408) 253-7071.

1. MATERIALS FOR PIPE, MANHOLES AND CLEANOUTS AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE DISTRICT'S STANDARD SPECIFICATIONS AND THESE PLANS AND DETAILS SHOWN HEREON.
2. ALL TRENCH EXCAVATION AND BACKFILL FOR SEWER LINES SHALL CONFORM TO THE REQUIREMENTS OF CITY OF CUPERTINO STANDARD SPECIFICATIONS. JETTING OF BACKFILL MATERIALS TO ACHIEVE COMPACTION IS NOT ALLOWED.
3. ALL EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH REQUIREMENTS OUTLINED IN THE "GEOTECHNICAL RECOMMENDATIONS REPORT PUMPKIN FIESTA PHASE 1 STORM DRAIN CUPERTINO, CALIFORNIA" BY HALEY ALDRITCH DATED MAY 2022.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND PERFORMANCE OF ALL SHORING AND BRACING IN ACCORDANCE WITH CALIFORNIA OSHA REQUIREMENTS.

PROPERTY LINE		
STORM DRAIN LINE		
STORM DRAIN LATERAL		
STORM DRAIN MANHOLE		
SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
WATER LINE		
GAS LINE		
OVERHEAD LINE		
DEMOLITION LINE		
MINOR CONTOUR LINE		
MAJOR CONTOUR LINE		
FENCE LINE		
CAST-IN-PLACE CLOSURE PIECE		
JUNCTION/ TRANSITION STRUCTURE		
POTHOLE LOCATION		

1. ALL PAVING SHALL CONFORM TO CITY OF CUPERTINO STANDARD DETAILS.
2. AGGREGATE BASE SHALL CONFORM TO CLASS 2, 1-1/2" MAXIMUM PER SECTION 26 OF THE STATE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED AND SHOULD ALSO BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95% BASED ON ASTM TEST PROCEDURE D-1557-78, AND CONFORM TO CITY OF CUPERTINO STANDARDS.
3. ASPHALT TO CONFORM TO SECTION 39 "ASPHALT CONCRETE" OF STATE STANDARD SPECIFICATIONS; TYPE B WITH 1/2" MAXIMUM, MEDIUM GRADATION, UNLESS OTHERWISE NOTED.
4. PORTLAND CEMENT CONCRETE SHALL CONFORM TO CLASS A, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
5. FLAT CONCRETE WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF CUPERTINO STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOT ORDER OR PLACE ANY PORTLAND CEMENT CONCRETE OR ASPHALT CONCRETE PAVING UNTIL THE FORMS AND SUBGRADE AND/OR AGGREGATE BASE HAVE BEEN INSPECTED BY THE CITY/DISTRICT INSPECTOR AS APPROVED BY THE ENGINEER IN CHARGE OF CONSTRUCTION.
7. EDGE OF EXISTING PAVEMENT SHALL BE TACK COATED PRIOR TO CONSTRUCTION OF NEW PAVEMENT.
8. ALL EXISTING FACILITIES SHALL BE ADJUSTED TO FINISH GRADE AS DIRECTED BY CITY/DISTRICT INSPECTOR. MANHOLES, WATER VALVE BOXES, CLEAN OUT FRAMES AND COVERS SHALL BE BROUGHT TO FINISHED GRADE BY THE CONTRACTOR AFTER PAVING IS COMPLETED.
9. IF ANY PORTION OF EXISTING SIDEWALK AND/OR CURB & GUTTER ARE TO BE REMOVED, CONTRACTOR SHALL REPLACE IN ACCORDANCE TO CITY OF CUPERTINO STANDARD DETAILS & SPECIFICATIONS.

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
BW	BACK OF WALK
CIP	CAST IN PLACE
CITY	CITY OF CUPERTINO
CFS	CUBIC FEET PER SECOND
CL	CENTERLINE
CLF	CHAIN-LINK FENCE
CONC	CONCRETE
CO	CLEAN OUT
DIP	DUCTILE IRON PIPE
(E), EX	EXISTING
EG	EXISTING GRADE
EL	ELEVATION
EP	EDGE OF PAVEMENT
EST	ESTIMATED
FC	FACE OF CURB
FG	FINISHED GRADE
FL	FLOWLINE
FKCL	FIBERGLASS-KRAFT WRAPPED-CEMENT LINED
FS	FINISHED SURFACE
FT	FEET
G	GAS
ID	INSIDE DIAMETER
INV	INVERT/ INLET ELEVATION
LAT	LATERAL
LF	LINEAR FEET
LT	LEFT
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PH	POTHOLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RIM	ELEVATION OF RIM
ROW	RIGHT OF WAY
RT	RIGHT
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SPECS	SPECIFICATIONS
STA	STATION
STD	STANDARD
TYP	TYPICAL
W	WATER
UTIL	UTILITY
X-ING	CROSSING



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FILE:					



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT

10300 TORRE AVENUE
CUPERTINO, CA 95014

(408) 777-3354
FAX (408) 777-3333

IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA

GENERAL NOTES

FOR CITY OF CUPERTINO USE
PROJECT # 2022-01

PUBLIC WORKS
INSPECTOR:

VOICE MAIL:

100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

CO.1

SHEET 2 OF 15

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A SAFE AND SOUND MANNER AT ALL TIMES. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK UNDER THIS PROJECT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

R:\2021\211865 PIMPIN FIESTA\ENG\SHEETS\C0.1-NOTES.DWG

PUMPKIN-FIESTA STORM DRAIN PROJECT / 100% SUBMITTAL / XX/XX/22

\\BKF-RC\VOL4\2021\211865 PUMPKIN FIESTA\ENG\SHEETS\C10 DEMO-PLAN DWG



DATE:	FEBRUARY 10, 2023						
SCALE:	AS SHOWN						
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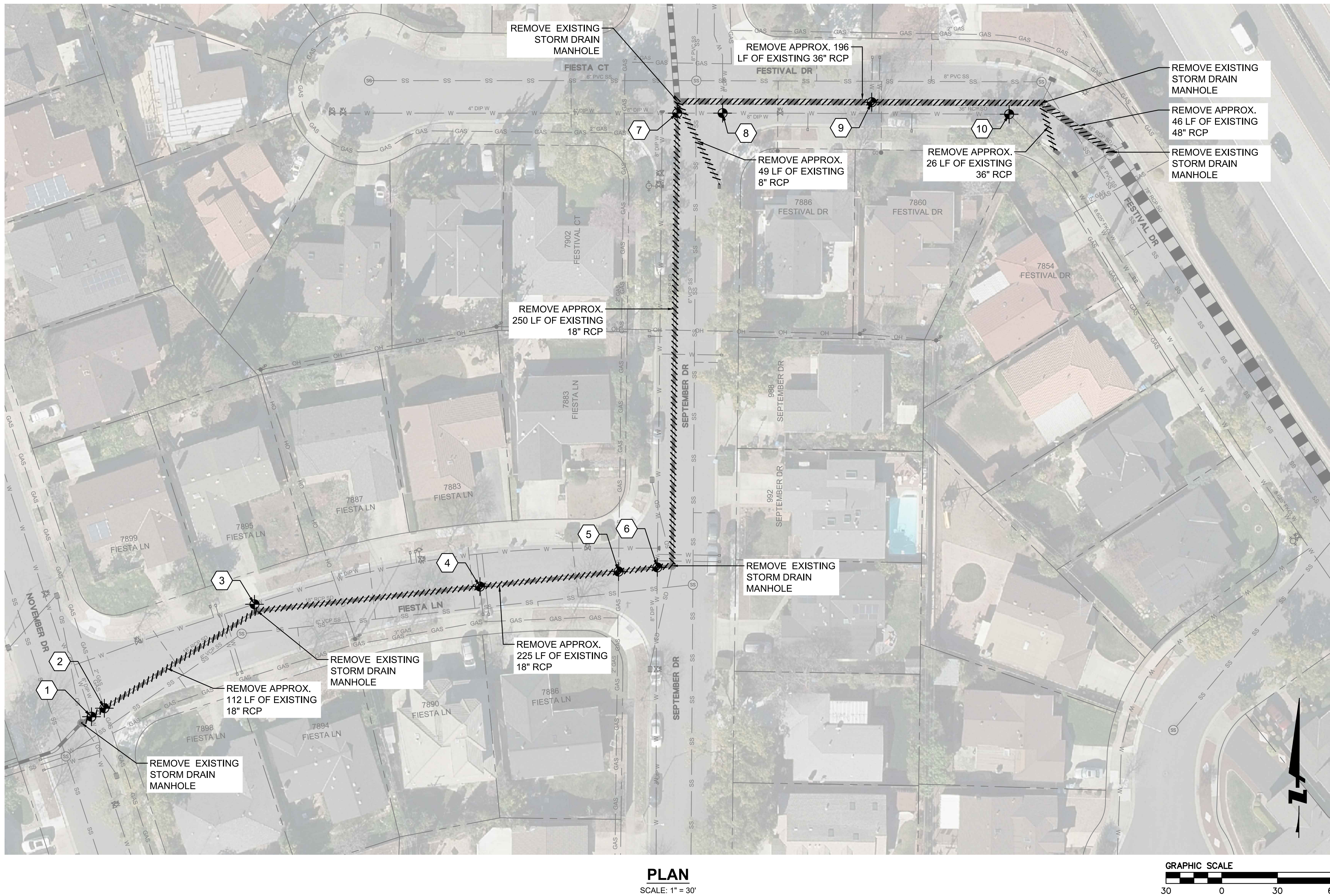


IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
DEMOLITION PLAN / POT HOLE PLAN

SHEET 3 OF 15

1. CONTRACTOR SHALL POTHOLE TO EXPOSE AND VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PERCEIVED TO BE IN CONFLICT. THE POTHOLE LOCATIONS SHOWN ON THIS SHEET ARE THE MINIMUM REQUIRED AND ADDITIONAL POTHOLES MAY BE NEEDED.
2. CONTRACTOR SHALL POTHOLE LOCATIONS SHOWN PRIOR TO EXCAVATION AND PROCURING MATERIALS.

POTHOLE TABULATION TABLE			
NO.	DESCRIPTION	GROUND ELEV.	DEPTH
1	8" WATER MAIN	324.20	TBD
2	2" GAS MAIN	324.00	TBD
3	8" WATER MAIN	321.87	TBD
4	1" WATER SERVICE	319.47	TBD
5	2" GAS MAIN	318.57	TBD
6	8" WATER MAIN	318.60	TBD
7	8" WATER MAIN	319.44	TBD
8	8" WATER MAIN	317.52	TBD
9	1" WATER SERVICE	314.10	TBD
10	8" WATER MAIN	311.89	TBD



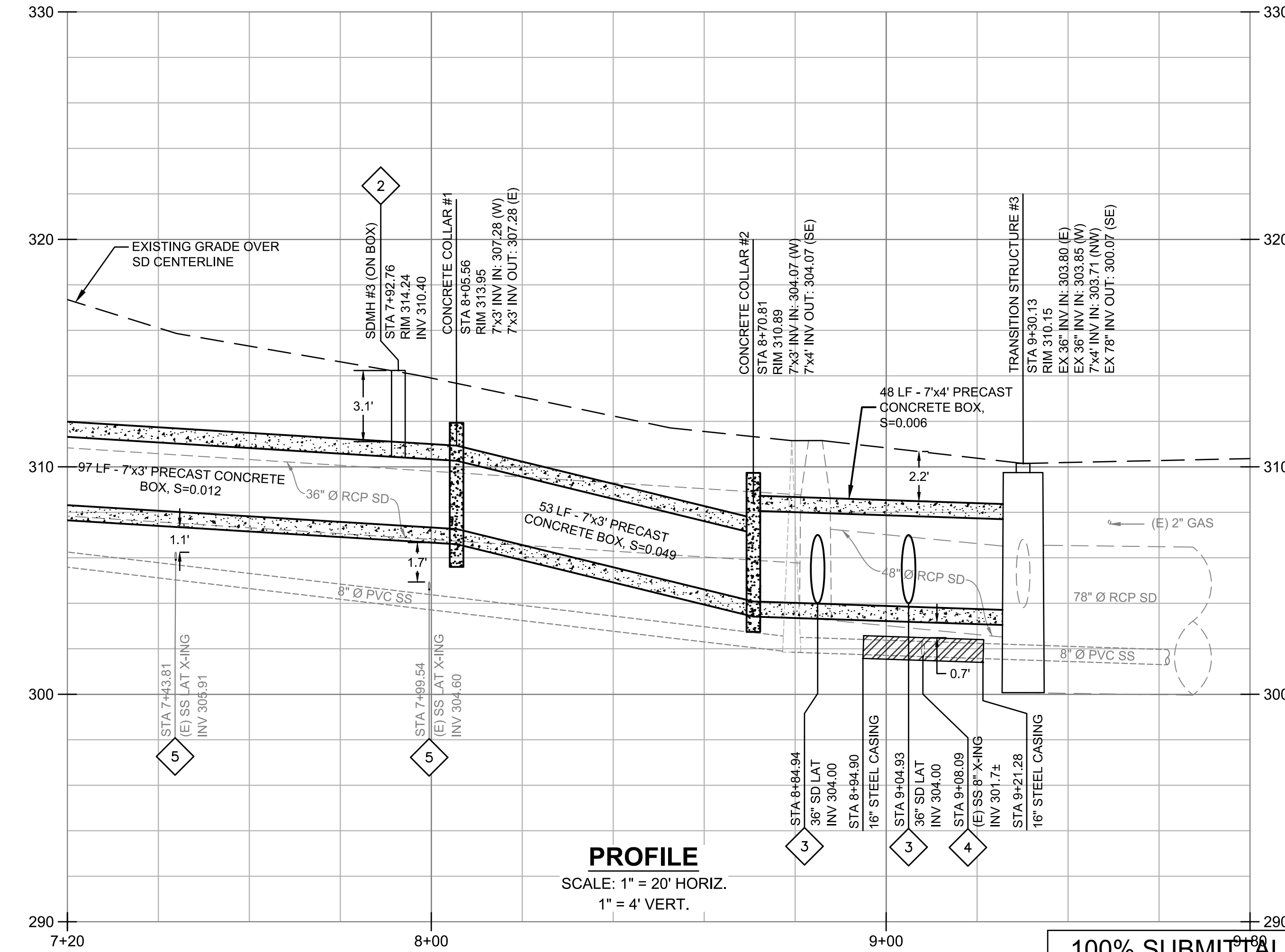
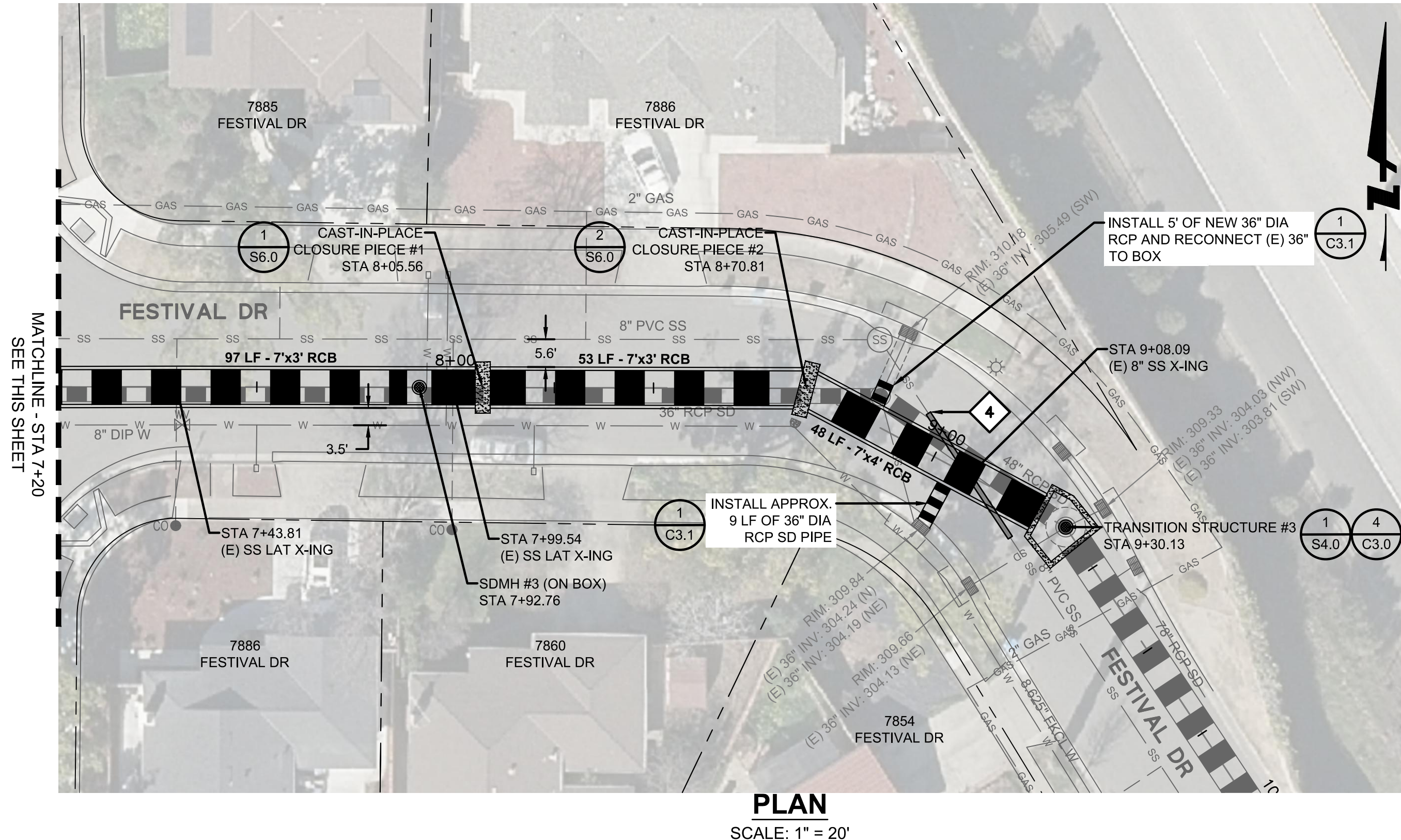
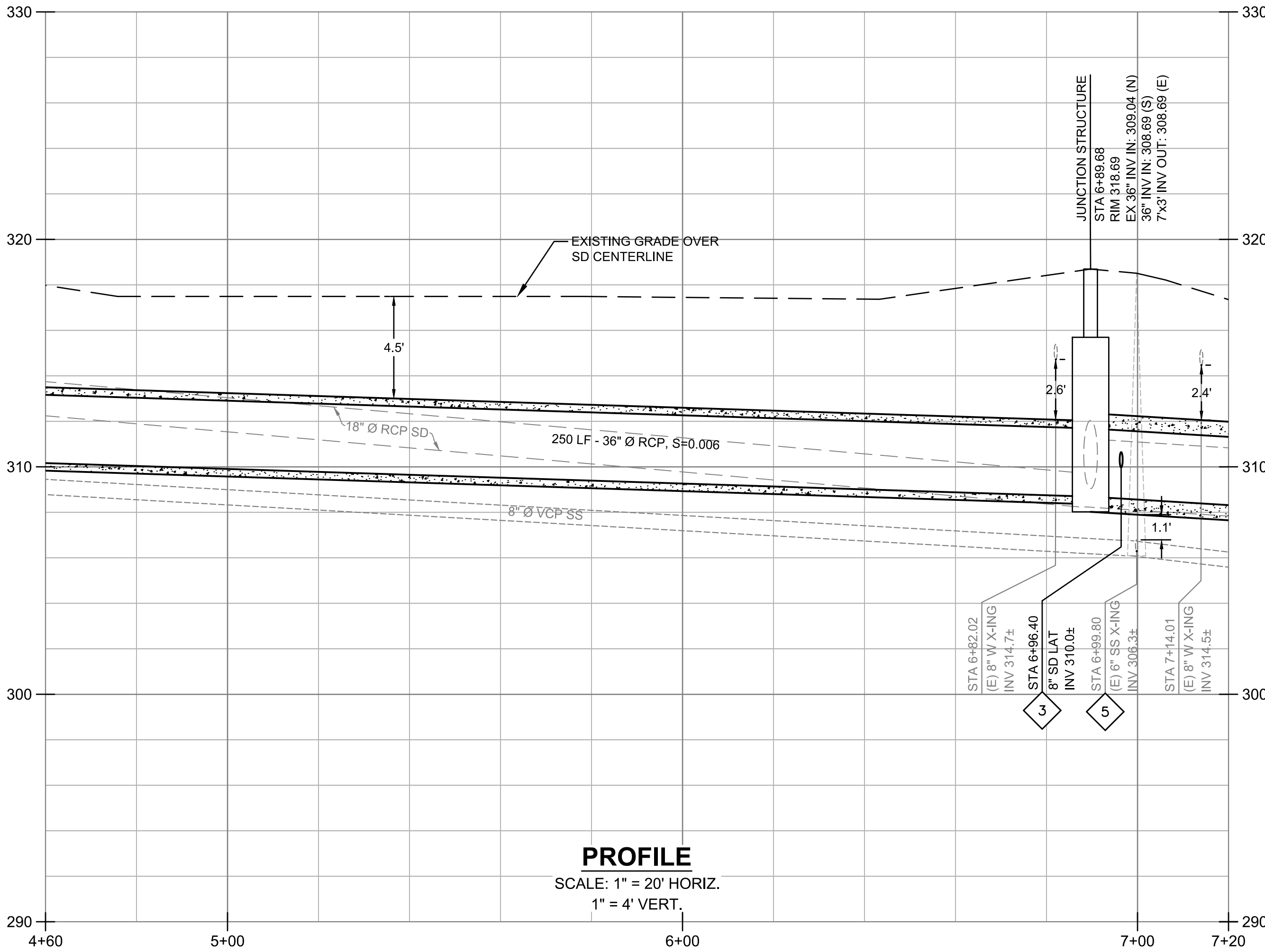
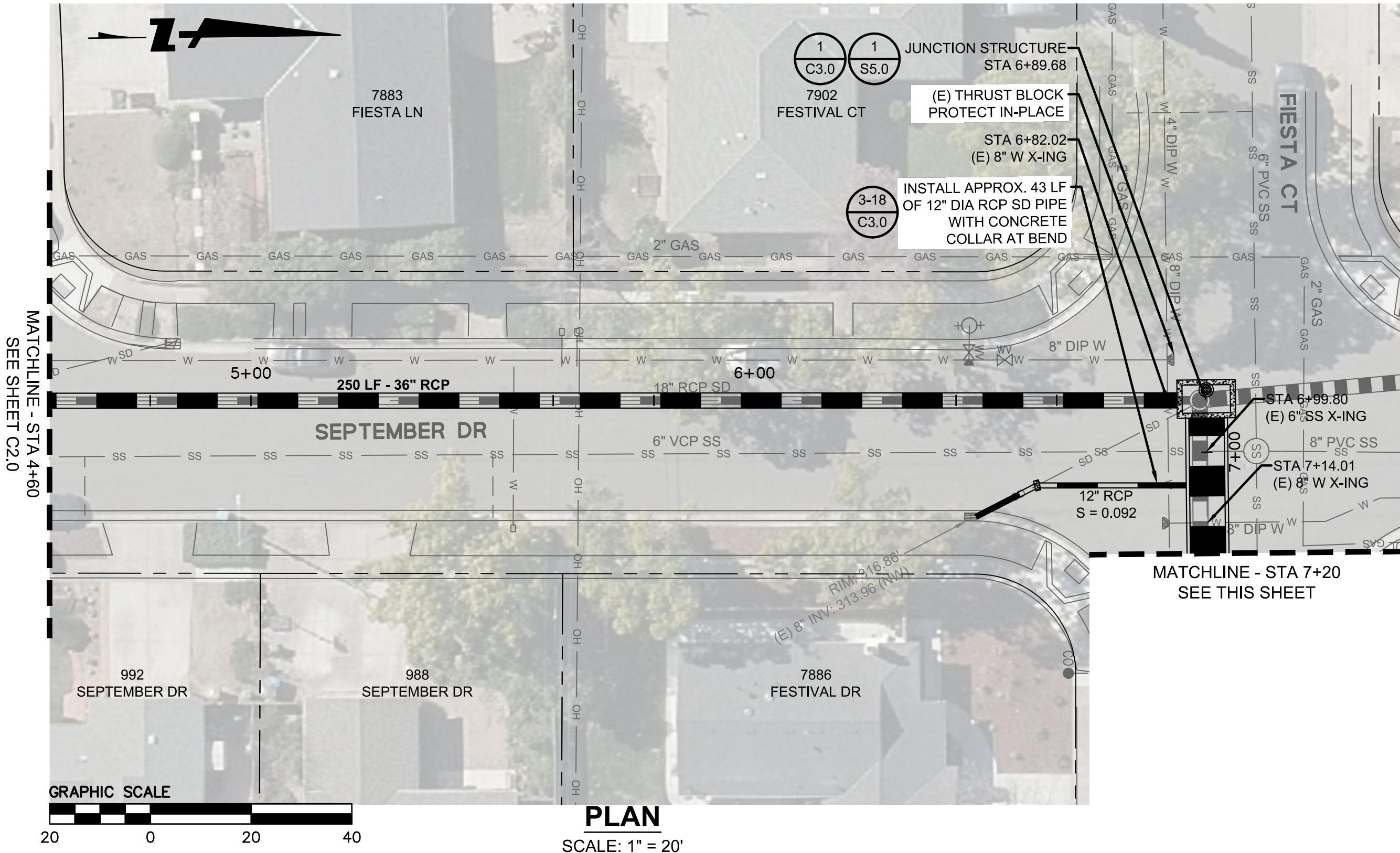
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS RESPONSIBILITY SHALL BE LIMITED TO NORMAL WORKING HOURS, AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROPERTY.

LEGEND

- 1 REPLACE EXISTING MANHOLE WITH NEW MANHOLE PER CITY OF CUPERTINO DETAIL 3-14 ON SHEET C3.0
- 2 INSTALL MANHOLE ON TOP OF BOX PER DETAIL 2 SHOWN FOR REFERENCE ONLY ON SHEET C3.1
- 3 CONNECT NEW STORM DRAIN LATERAL TO PRECAST BOX PER DETAIL 1 SHOWN FOR REFERENCE ONLY ON SHEET C3.1
- 4 REPLACE 40' OF EXISTING 8" PVC SS WITH NEW 8" DIA FUSED SDR 17 HDPE WITH STEEL CASING PER DETAIL 5 ON SHEET C3.2
- 5 INSTALL CONCRETE CASEMENT PER DETAIL 4 ON SHEET C3.2

CONSTRUCTION NOTES

- CONTRACTOR TO VERIFY EXISTING STORM DRAIN LATERALS TO REMAIN IN PLACE AND SHALL RECONNECT ALL EXISTING STORM DRAIN LATERALS TO NEW STRUCTURES.
- CONTRACTOR SHALL SLURRY SEAL FULL WIDTH OF THE STREET WHERE TRENCHED INCLUDING RETURNS.
- CONTRACTOR TO COORDINATE WITH PG&E FOR INSPECTIONS DURING CONSTRUCTION WHEN CROSSING EXISTING GAS MAIN.
- CONTRACTOR SHALL INSTALL TEMPORARY SEWER BYPASS SYSTEM TO FACILITATE SEWER MAIN REPLACEMENT.
- ALL STORM DRAIN PIPE, BOX AND MANHOLE JOINT SHALL BE WATER TIGHT.
- CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES SHOWN. THE CITY SHALL BE NOTIFIED IMMEDIATELY OF ANY NECESSARY CHANGES TO THE PLANS.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN IN THE WORK AREA DURING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ADVANCE NOTICE AND COORDINATE WITH SAN JOSE WATER TO SHUTOFF WATER SERVICE, IF NEEDED, TO PREVENT DAMAGE TO EXISTING WATER MAIN.



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NOT FOR CONSTRUCTION



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REVISIONS

DESIGN BY
DESIGN DATE
CITY APPR.
APPR. DATE



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT
10300 TORRE AVENUE
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IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
PLAN AND PROFILE -
SEPTEMBER DR / FESTIVAL DR

FOR CITY OF CUPERTINO USE
PROJECT # 2022-01
PUBLIC WORKS
INSPECTOR:
VOICE MAIL:

**CITY OF
CUPERTINO**
C2.1
SHEET 5 OF 15

\\BKF-RC\VOL 4\2021\211865 PUMPIN FIESTA\ENG\SHFEET\3.0-DETAIL S.DWG



- NOTES:



DATE:	MARCH 30, 2023						
SCALE:	NO SCALE						
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FILE:	BY			DATE	APPR.	DATE	



IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
DETAILS (3 OF 3)

100% SUBMITTAL
NOT FOR CONSTRUCTION

C3.2

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2018 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, THE REVISED STANDARD SPECIFICATIONS (STATE STANDARD SPECIFICATIONS), AND THE PROJECT TECHNICAL PROVISIONS, EXCEPT AS SUPPLEMENTED OR MODIFIED HEREIN.

THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

EARTHWORK MUST CONFORM TO SECTION 19 "EARTHWORK" OF THE
STATE STANDARD SPECIFICATIONS AND THE GEOTECHNICAL
INVESTIGATION REPORT DATED MAY 2022 BY HALEY & ALRICH, INC.

MATERIAL FOR STRUCTURE BACKFILL MUST CONFORM TO AND BE COMPACTED IN ACCORDANCE WITH SECTION 19-3.02C "STRUCTURE BACKFILL" AND SECTION 19-3.03E "STRUCTURE BACKFILL" OF THE STATE STANDARD SPECIFICATIONS.

A GEOTECHNICAL INVESTIGATION REPORT DATED MAY 2022 BY HALEY & ALDRICH, INC. HAS BEEN PREPARED FOR THIS PROJECT. CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS THEREIN. IN CASE OF CONFLICT BETWEEN THE FOUNDATION REPORT AND THE STATE STANDARD SPECIFICATIONS OR THESE STRUCTURAL SPECIFICATIONS, THE REQUIREMENTS IN THE FOUNDATION REPORT SHALL TAKE PRECEDENCE OVER AND BE USED IN LIEU OF SUCH CONFLICTING PROVISIONS AS DIRECTED BY THE ENGINEER.

CONCRETE AND THE CONSTRUCTION OF CONCRETE STRUCTURES MUST CONFORM TO SECTION 51 "CONCRETE STRUCTURES" AND SECTION 90 "PORTLAND CEMENT CONCRETE" OF THE STATE STANDARD SPECIFICATIONS AND THESE STRUCTURAL SPECIFICATIONS. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. ALL CONCRETE SHALL BE DESIGNATED BY COMPRESSIVE STRENGTH AND SHALL BE PREQUALIFIED PER SECTION 90-1.01D(5) "COMPRESSIVE STRENGTH."

PROVIDE STRIP WATERSTOPS AT ALL NEW CONSTRUCTION JOINTS. STRIP WATERSTOPS MUST CONFORM TO SECTION 51-2.05 "STRIP WATERSTOPS" OF THE STATE STANDARD SPECIFICATIONS.

PROVIDE HYDROPHILIC FLEXIBLE WATERSTOPS AT EXISTING CONCRETE CONSTRUCTION. FLEXIBLE WATERSTOPS MUST BE RAM-NEK PREFORMED FLEXIBLE PLASTIC SEAL, SWELLSEAL HYDROPHILLIC WATERSTOP, OR APPROVED EQUAL.

THE CONTRACTOR IS RESPONSIBLE FOR CALCULATING AND SETTING ELEVATION CONTROL POINTS TO CONSTRUCT CONCRETE STRUCTURES TO THE LINES AND GRADES SHOWN. SUBMIT CONCRETE FORMWORK CONTROL POINTS AND ALLOW 5 DAYS FOR THE ENGINEERS REVIEW.

REINFORCING STEEL MUST CONFORM TO SECTION 52 "REINFORCEMENT
OF THE STATE STANDARD SPECIFICATIONS.

CORNERSTONE
structural
engineering
group

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Fresno, California 93711
559.320.3200
fax 559.320.3201

[illegible]

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IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA

VERT. WALL REINF.

HORIZ. WALL REINF. PROVIDE CONT. BEND OR LAP PER DETAILS

REINF. MATCH VERT. WALL

TYPICAL CORNER DETAIL
1/2" = 1'-0"

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
8TH EDITION WITH CALIFORNIA AMENDMENTS

REINFORCED CONCRETE:

	$f_y = 60,000 \text{ PSI}$
	$f'_c = 4,000 \text{ PSI}$

LIVE LOADING: HS20-44

SOIL LOADS: PER GEOTECHNICAL RECOMMENDATIONS REPORT
PUMPKIN FIESTA PHASE 1 STORM DRAIN BY HALL
ALDRICH DATED MAY, 2022

VERTICAL EARTH PRESSURE:	120 PCF
LIVE LOAD SURCHARGE:	100 PSF
HORIZ. AT-REST EARTH PRESSURE:	60 PCF
HORIZ. ACTIVE EARTH PRESSURE:	40 PCF
SEISMIC EARTH PRESSURE:	0.035H

ALLOWABLE BEARING PRESSURE: 2,000 PSF

1. LOCATIONS AND ELEVATIONS OF EXISTING STRUCTURES, SEWERS, AND OTHER FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THESE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS, LAYOUT, AND DIMENSIONS PRIOR TO START OF CONSTRUCTION OR ORDERING OR FABRICATING ANY MATERIAL. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
5. PIPE SIZE, THICKNESS AND ORIENTATION IS SCHEMATIC ONLY. FOR ACTUAL PIPE SIZE, INVERT ELEVATIONS, LOCATION AND ORIENTATION OF JUNCTION BOX, SEE CIVIL PLANS.
6. CONSTRUCTION JOINTS SHOWN ON THE PLANS ARE OPTIONAL AND MAY BE OMITTED AT THE CONTRACTOR'S OPTION.
7. REFER TO CIVIL PLANS FOR ADDITIONAL DETAILS AND LAYOUT INFORMATION.

<u>SHEET NO.</u>	<u>TITLE</u>	<u>SHEET TITLE</u>
9	S1.0	PROJECT DESIGN DATA
10	S2.0	TRANSITION STRUCTURE #1
11	S3.0	TRANSITION STRUCTURE #2
12	S4.0	TRANSITION STRUCTURE #3
13	S5.0	JUNCTION STRUCTURE
14	S6.0	CLOSURE PIECES

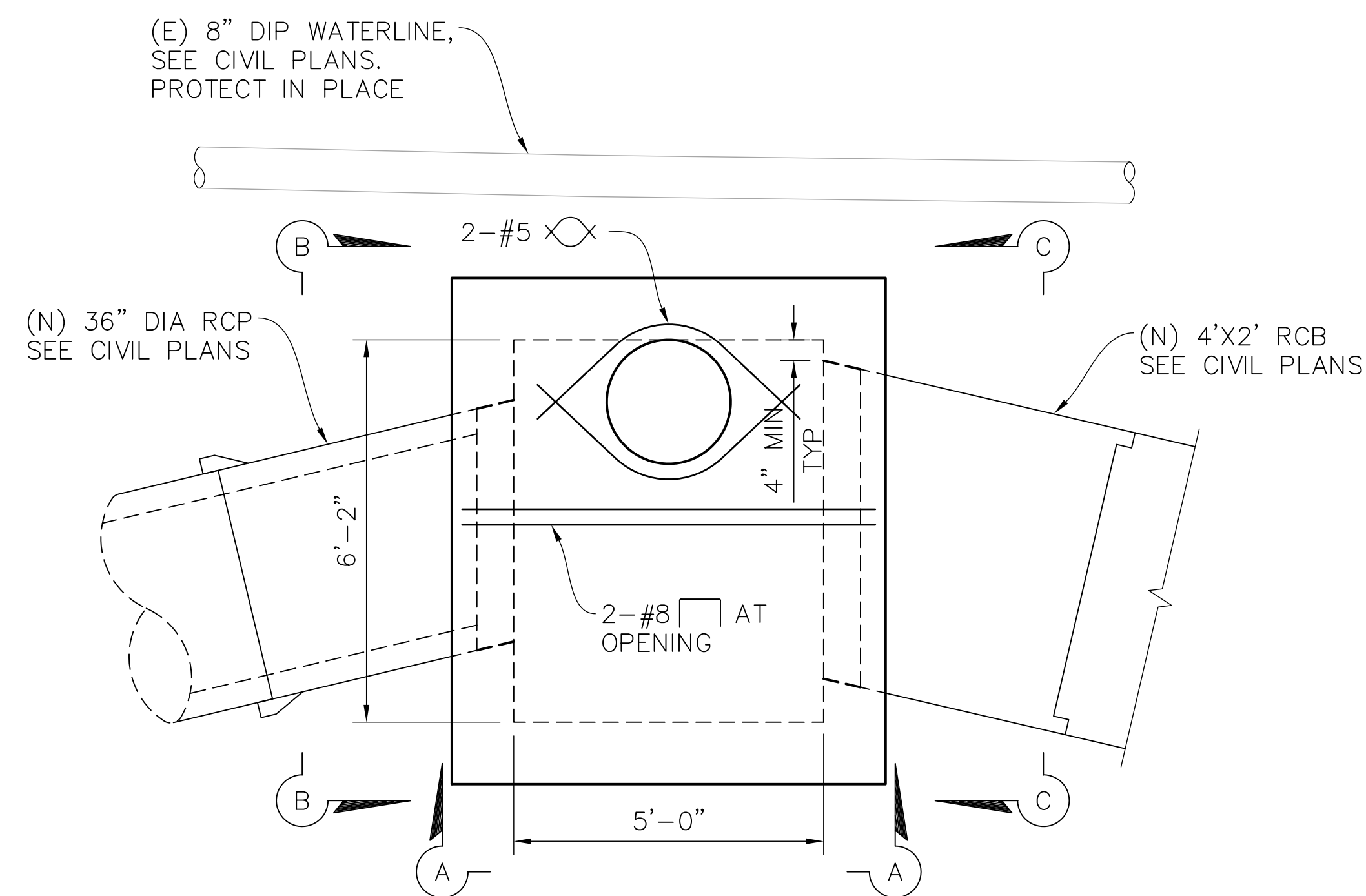
100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

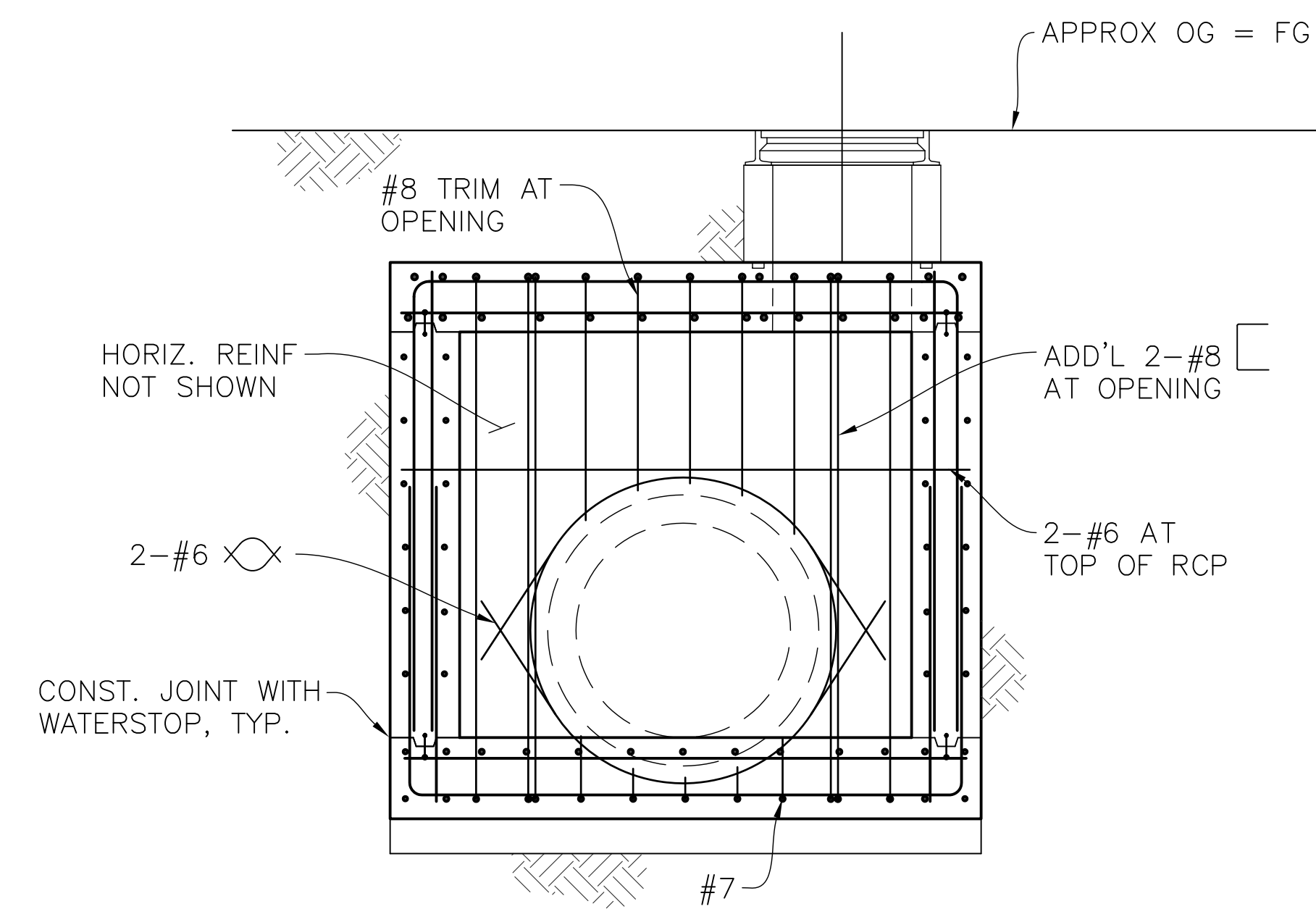
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SHEET 9 OF 15

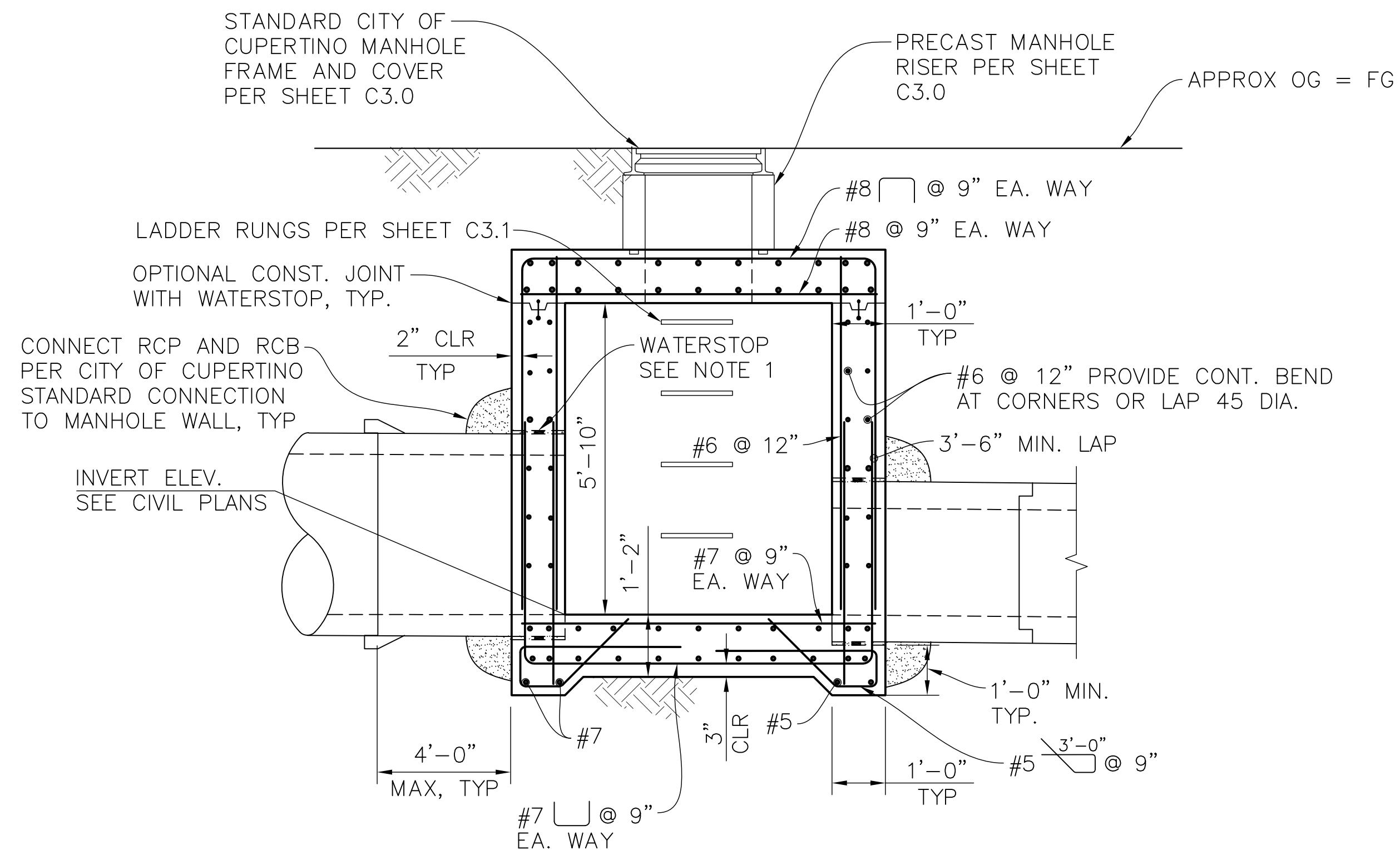
CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES, AND THE PROTECTION OF THE PUBLIC. CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



TRANSITION STRUCTURE #1

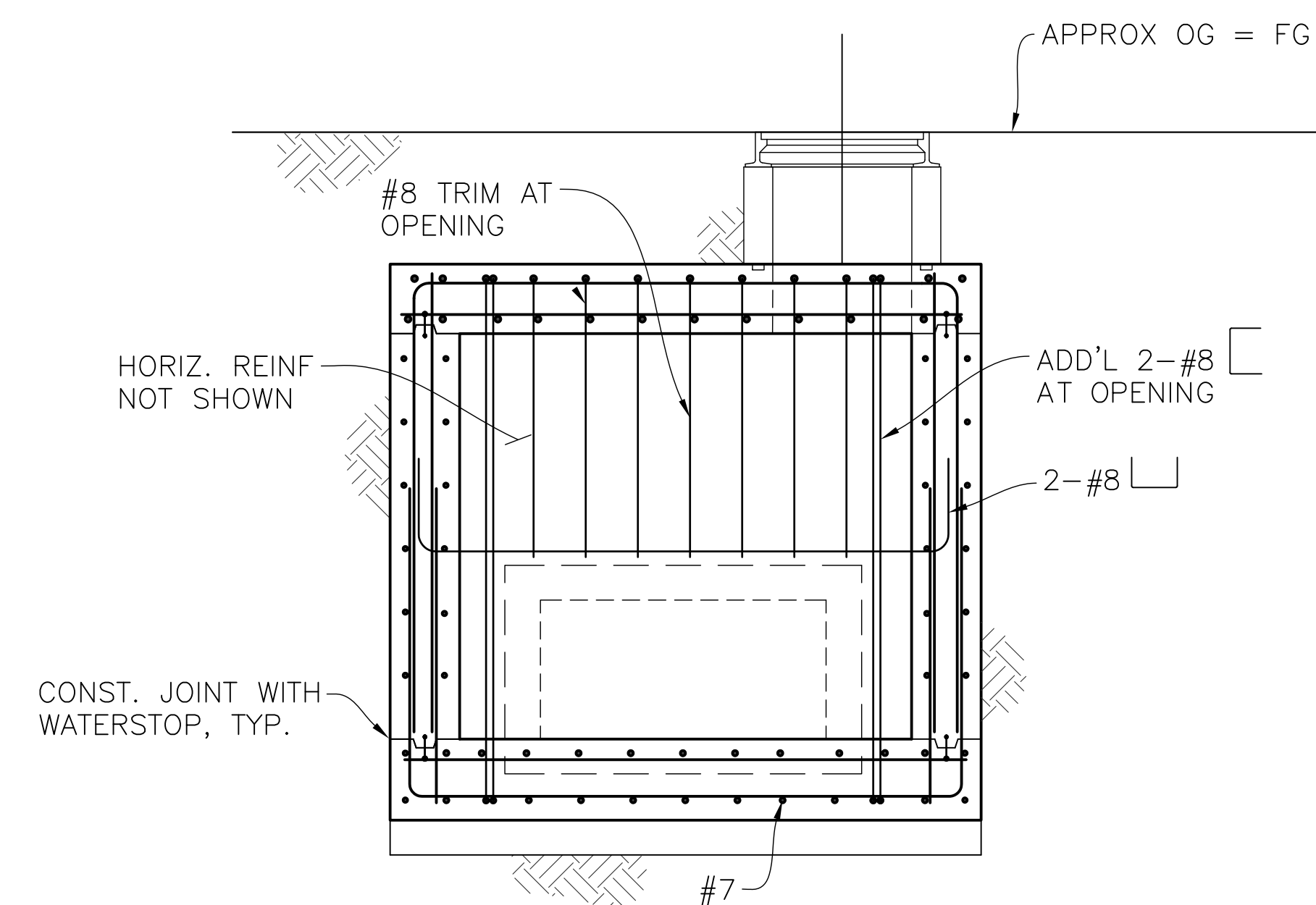


SECTION B-B
1/2" = 1'-0"



SECTION A-A
1/2" = 1'-0"

NOTES:
1. PROVIDE HYDROPHILIC FLEXIBLE
WATERSTOPS AT ALL RCP AND
RCB JOINTS

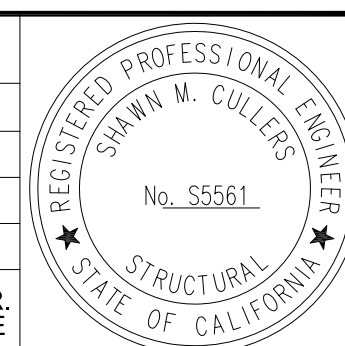


SECTION C-C
1/2" = 1'-0"



CORNERSTONE
structural
engineering
group 986 W Alluvial Ave
Suite 201
Fresno, California 93711
559.320.3200
fax 559.320.3201

DATE:	02/08/23						
SCALE:	AS NOTED						
DESIGNED:	REB/TLW						
DRAWN:	REB						
CHECKED:	SMC						
PROJ. ENGR:	REB						
FILE #		△	REVISIONS	DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT

10300 TORRE AVENUE
CUPERTINO, CA 95014

(408) 777-3354
FAX (408) 777-3333

IMPROVEMENT PLANS FOR PUMPKIN-FIESTA STORM DRAIN PROJECT CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA TRANSITION STRUCTURE #1

FOR CITY OF CUPERTINO USE PROJECT # 2022-01
PUBLIC WORKS INSPECTOR:
VOICE MAIL:

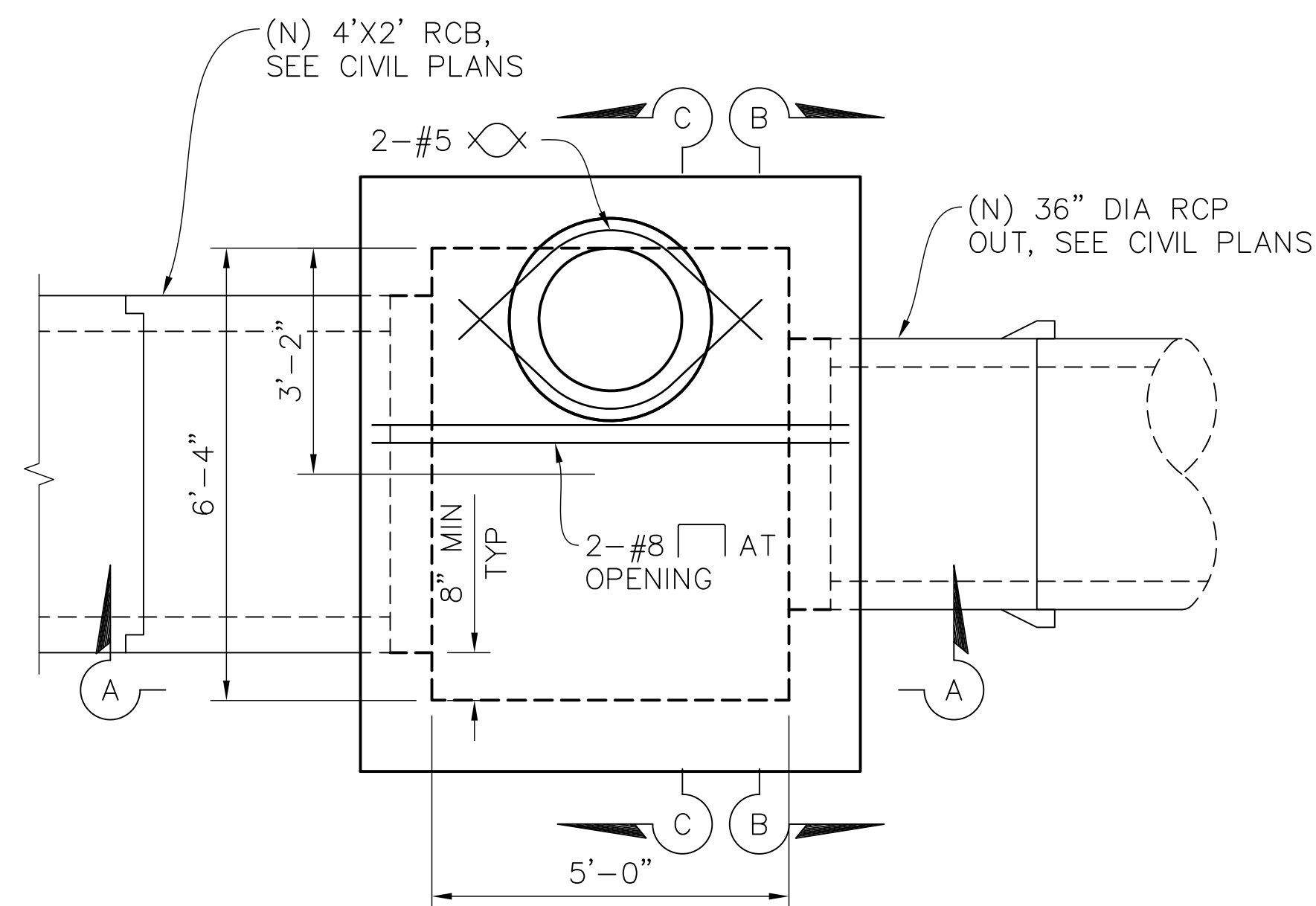
100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

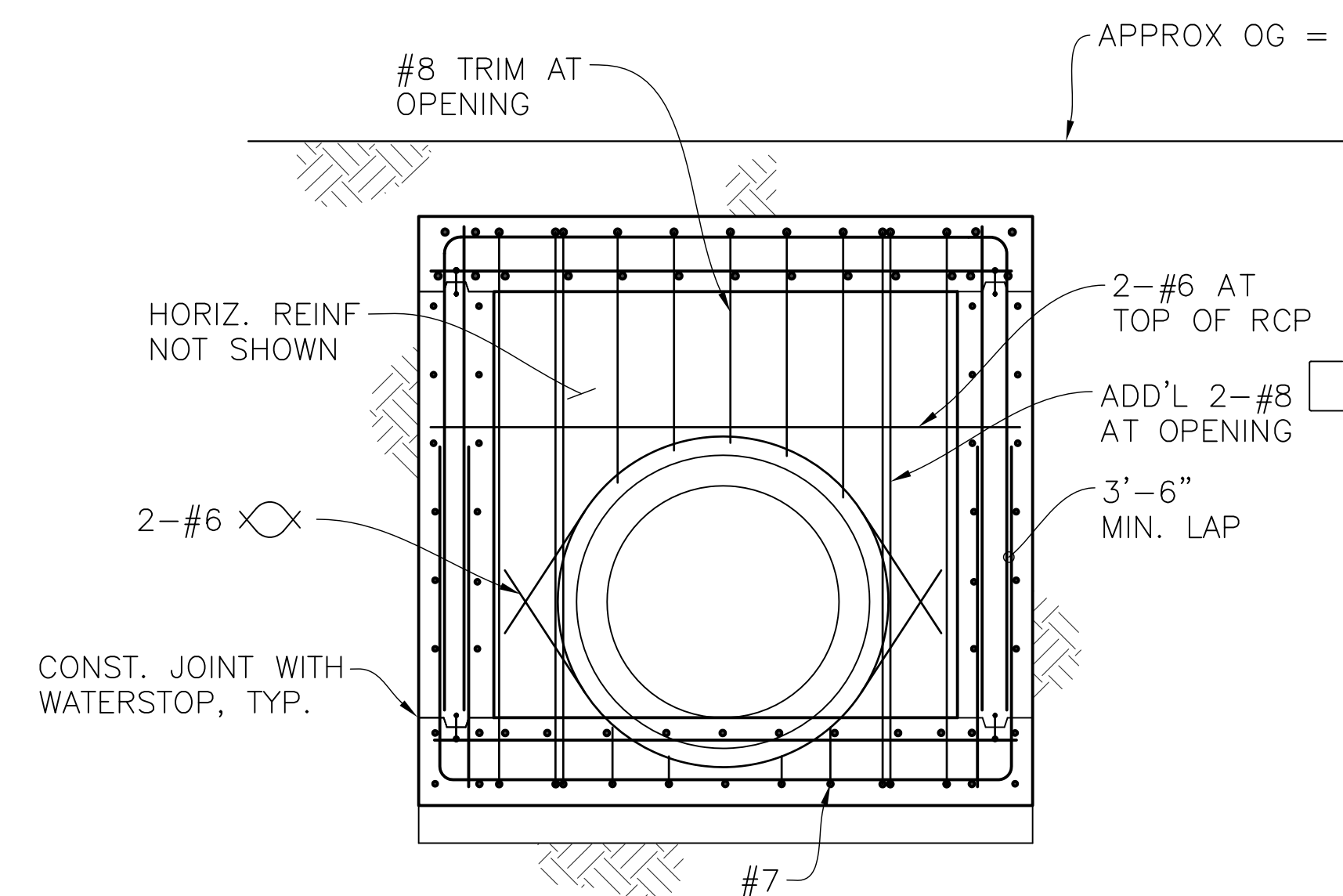
S2.0

SHEET 10 OF 15

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

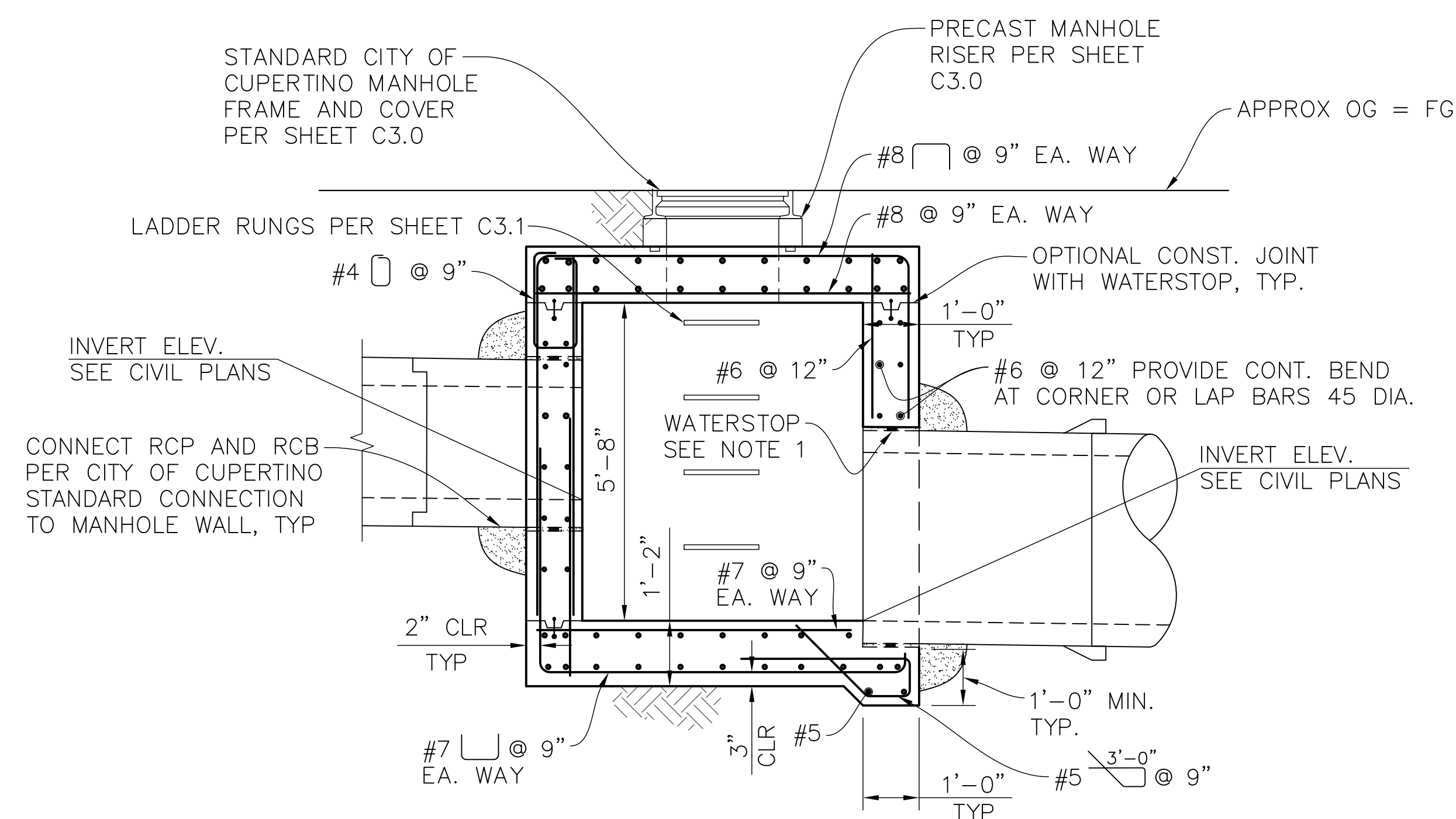


TRANSITION STRUCTURE #2



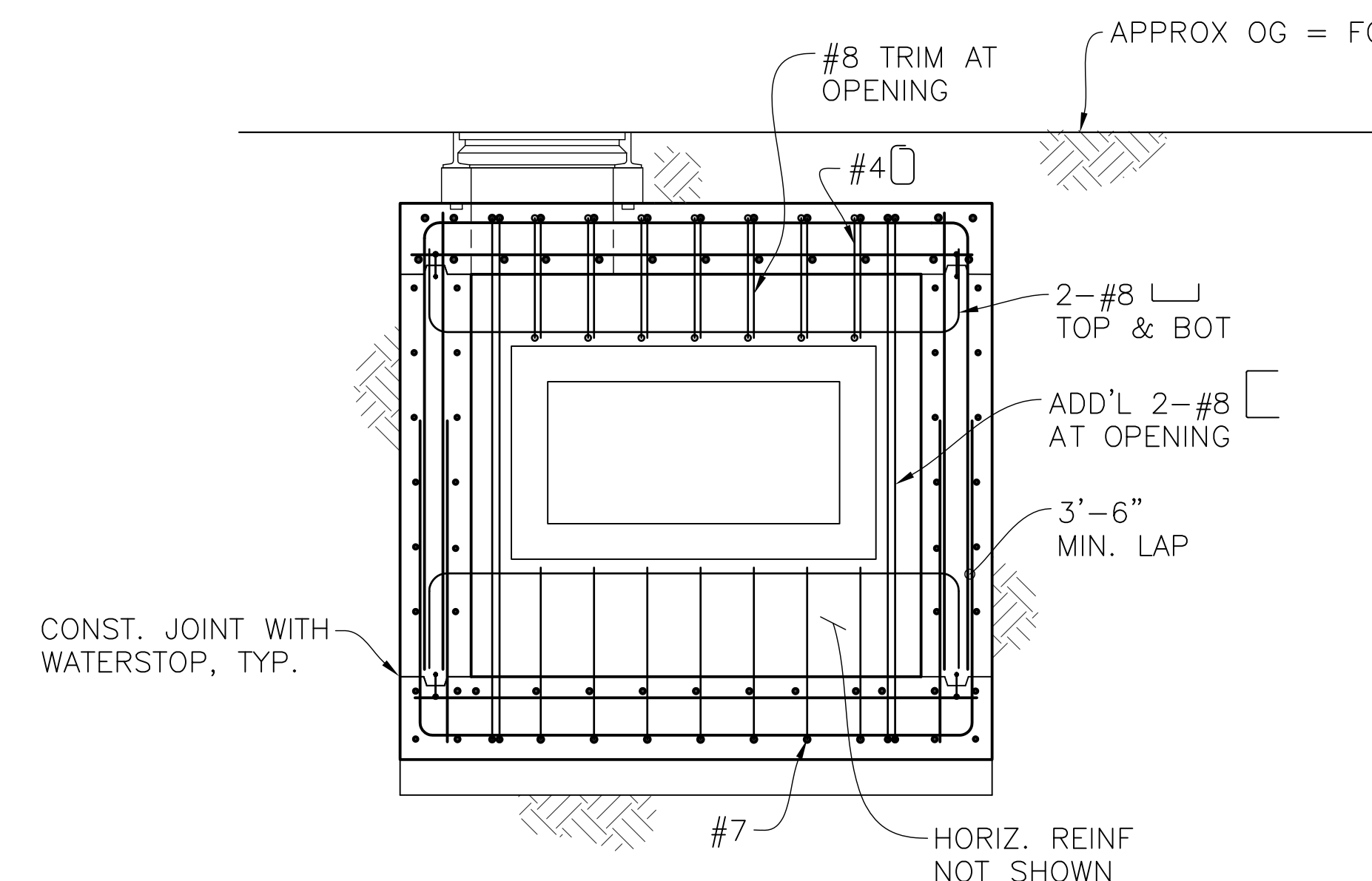
SECTION B-B
1/2" = 1'-0"

FOR NOTES AND
DETAILS NOT NOTED,
SEE 'SECTION A-A'



SECTION A-A
1/2" = 1'-0"

NOTES:
1. PROVIDE HYDROPHILIC FLEXIBLE
WATERSTOPS AT ALL RCP AND
RCB JOINTS

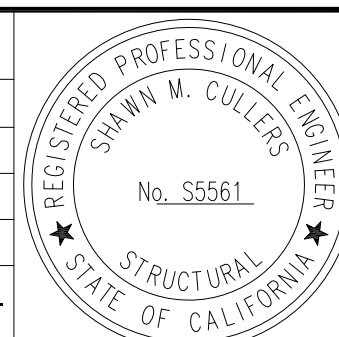


SECTION C-C
1/2" = 1'-0"

FOR NOTES AND
DETAILS NOT NOTED,
SEE 'SECTION A-A'



DATE:	02/08/23						
SCALE:	AS NOTED						
DESIGNED:	REB/TLW						
DRAWN:	REB						
CHECKED:	SMC						
PROJ. ENGR:	REB	△	REVISIONS	DESIGN	DESIGN	CITY	APPR
FILE:				BY	DATE	APPR.	DATE



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT

10300 TORRE AVENUE
CUPERTINO, CA 95014

(408) 777-3354
FAX (408) 777-3333

IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
TRANSITION STRUCTURE #2

FOR CITY OF CUPERTINO USE PROJECT # 2022-01
PUBLIC WORKS INSPECTOR:
VOICE MAIL:

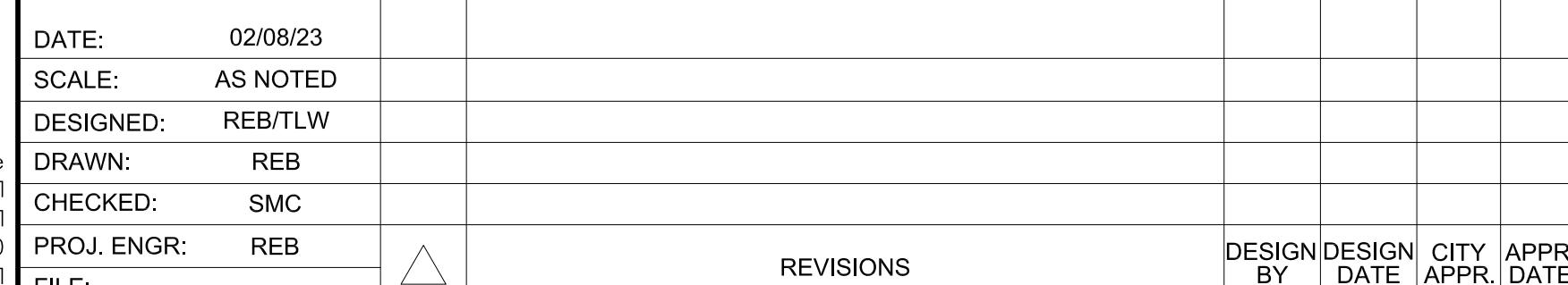
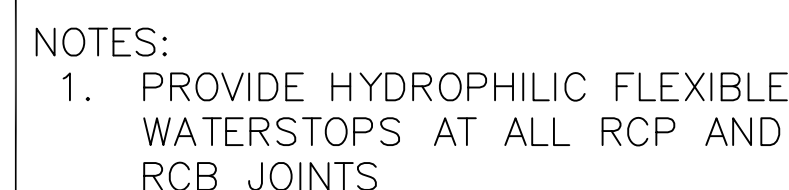
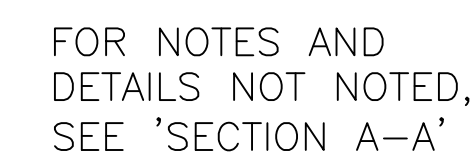
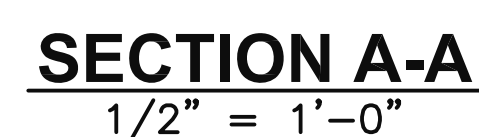
100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

S3.0

SHEET 11 OF 15

PUMPKIN FIESTA STORM DRAIN PROJECT / 100% SUBMITTAL / 11/02/22



IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
TRANSITION STRUCTURE #3

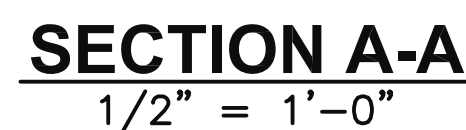
100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

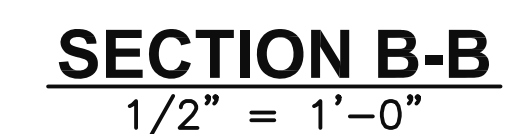
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SHEET 12 OF 15

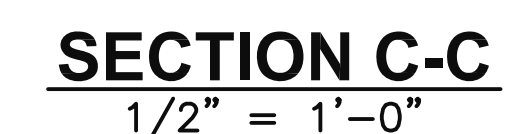
W:\2022\2022052 PUMPKIN FIESTA\2022052S1.DWG



1. PROVIDE HYDROPHILIC FLEXIBLE WATERSTOPS AT ALL RCP AND RCB JOINTS



FOR NOTES AND
DETAILS NOT NOTED,
SEE 'SECTION A-A'



FOR NOTES AND
DETAILS NOT NOTED,
SEE 'SECTION A-A'

FEBRUARY 2022



IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA
JUNCTION STRUCTURE

FOR CITY OF CUPERTINO USE
PROJECT # 2022-01
PUBLIC WORKS INSPECTOR:
VOICE MAIL:

100% SUBMITTAL
NOT FOR CONSTRUCTION

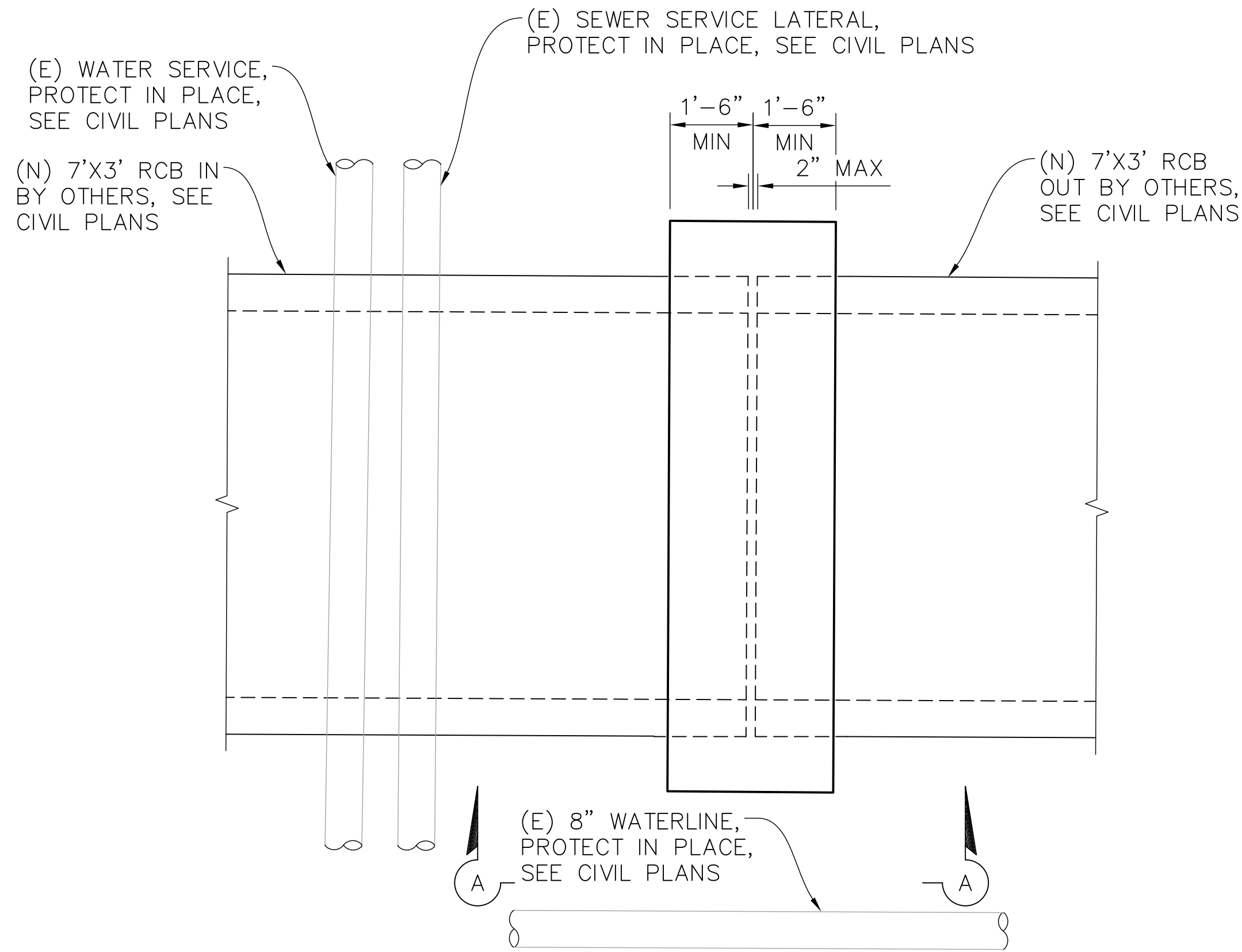
**CITY OF
CUPERTINO**

\$5.0

SHEET 13 OF 15

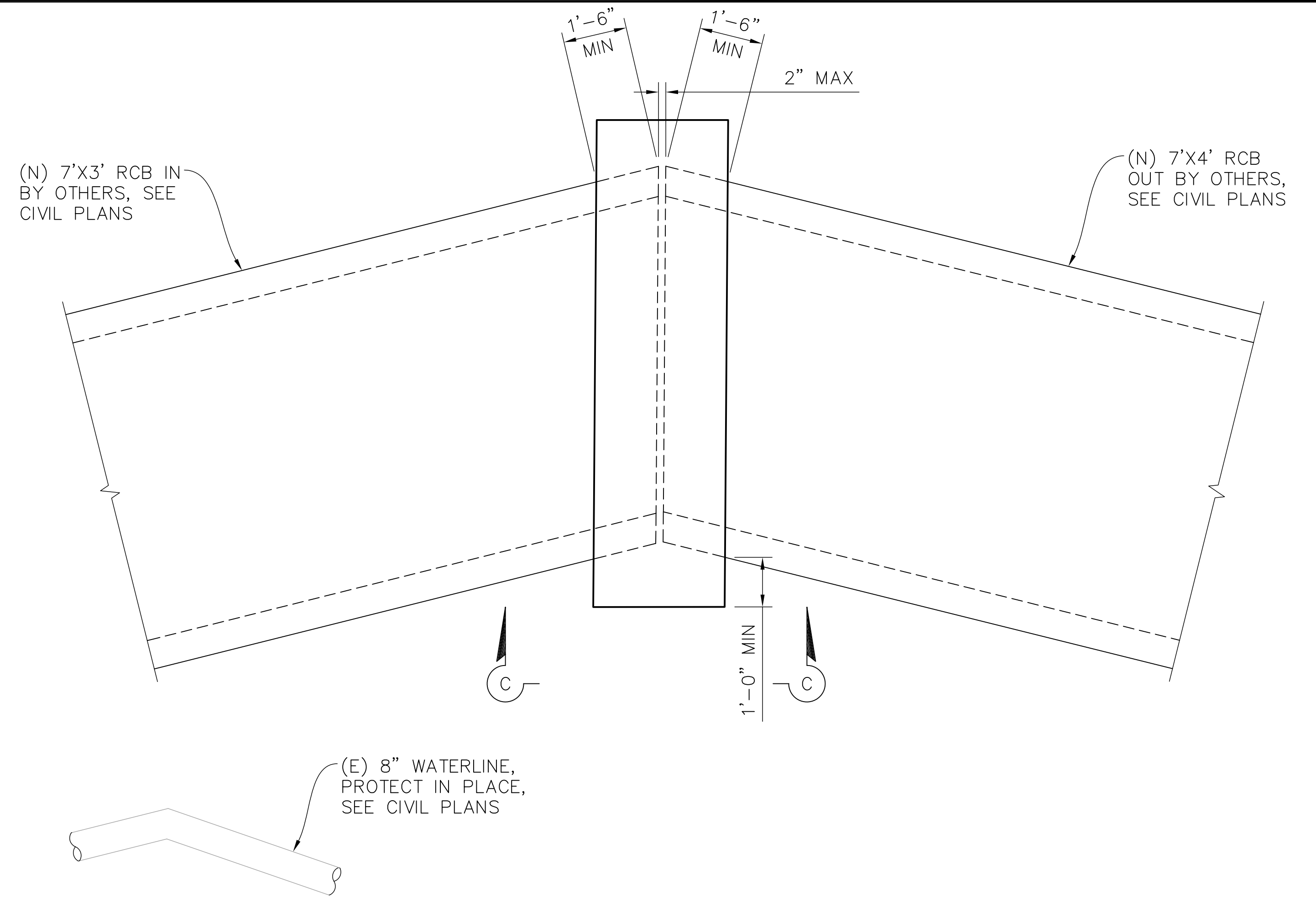
PUMPKIN FIESTA STORM DRAIN PROJECT / 100% SUBMITTAL / 11/02/22

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.



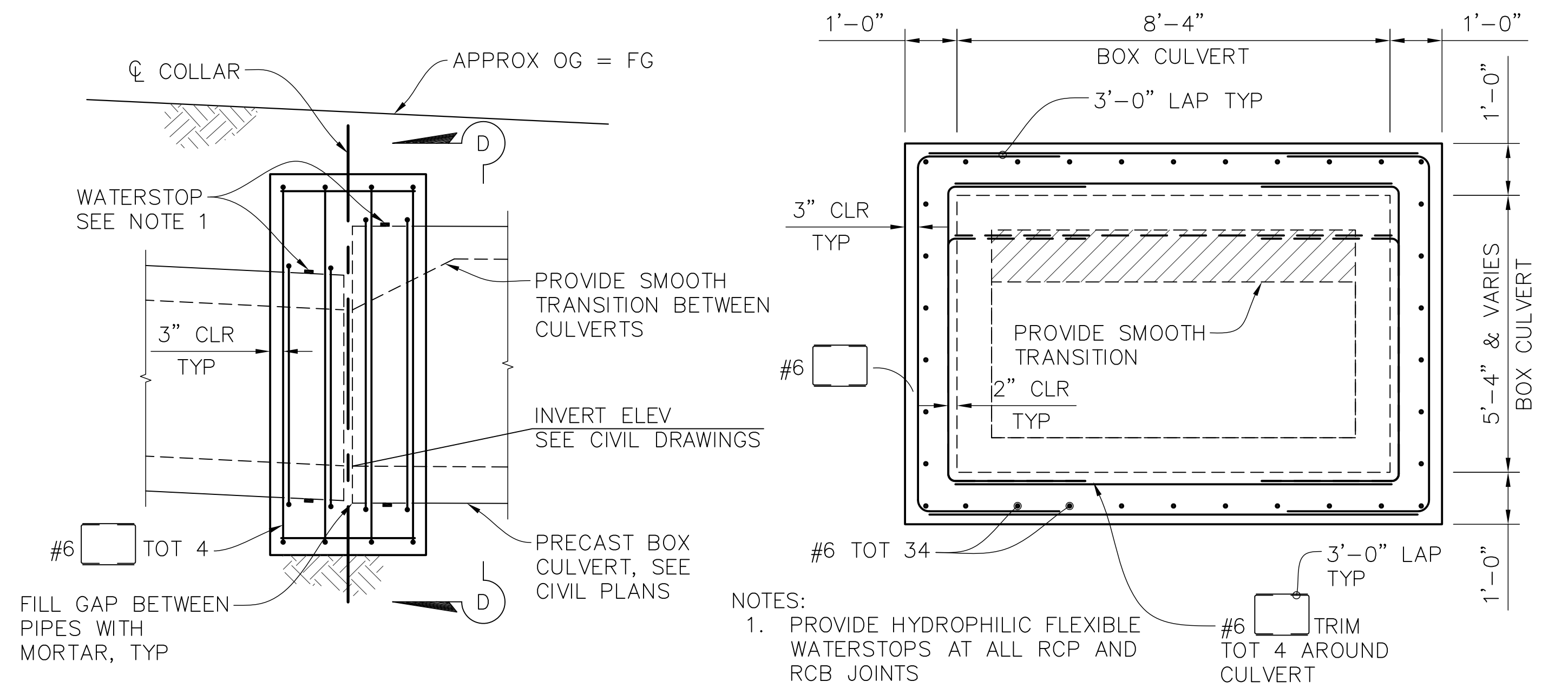
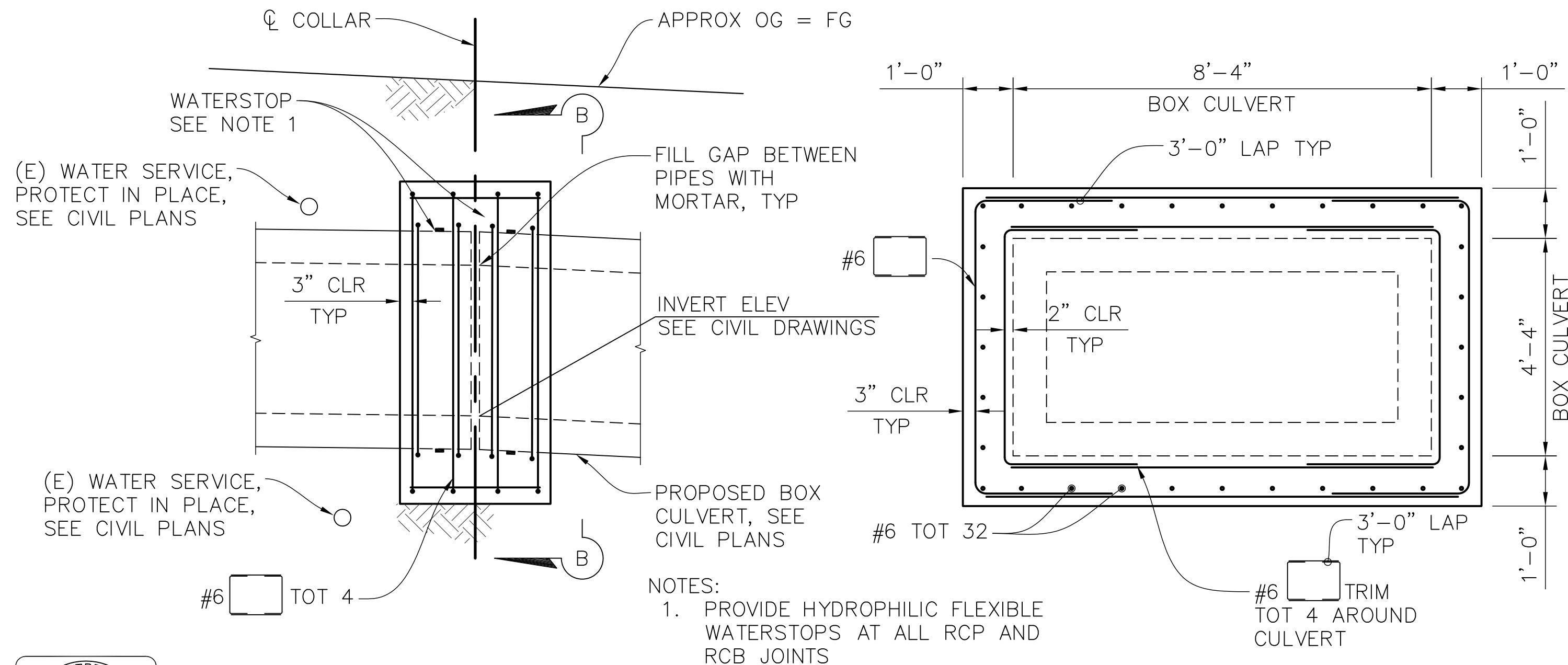
CONCRETE COLLAR #1

1" = 2'



CONCRETE COLLAR #2

1" = 2'



CORNERSTONE
structural
engineering
group

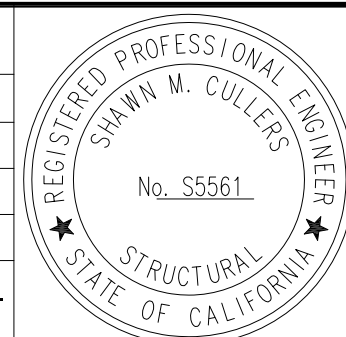
986 W Alluvial Ave
Suite 201
Fresno, California 93711
559.320.3200
fax 559.320.3201

DATE: 02/08/23
SCALE: AS NOTED
DESIGNED: REB/TLW
DRAWN: REB
CHECKED: SMC
PROJ. ENGR: REB
FILE:



REVISIONS

DESIGN BY
DESIGN DATE
CITY APPR.
APPR. DATE



CITY OF CUPERTINO
PUBLIC WORKS DEPARTMENT

10300 TORRE AVENUE
CUPERTINO, CA 95014

(408) 777-3354
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IMPROVEMENT PLANS FOR
PUMPKIN-FIESTA STORM DRAIN PROJECT
CITY OF CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA

CLOSURE PIECES

FOR CITY OF CUPERTINO USE
PROJECT # 2022-01

PUBLIC WORKS
INSPECTOR:

VOICE MAIL:

100% SUBMITTAL
NOT FOR CONSTRUCTION

**CITY OF
CUPERTINO**

S6.0

SHEET 14 OF 15

