

N:\Clients\574 City of Mountain View\14-18-02 San Antonio Area Sewer Imp.Dsgn\CAD\Production\Phase 2 57414-1802\57414-1802-G01.dwg 1/15/2021 1:35 PM smclintock

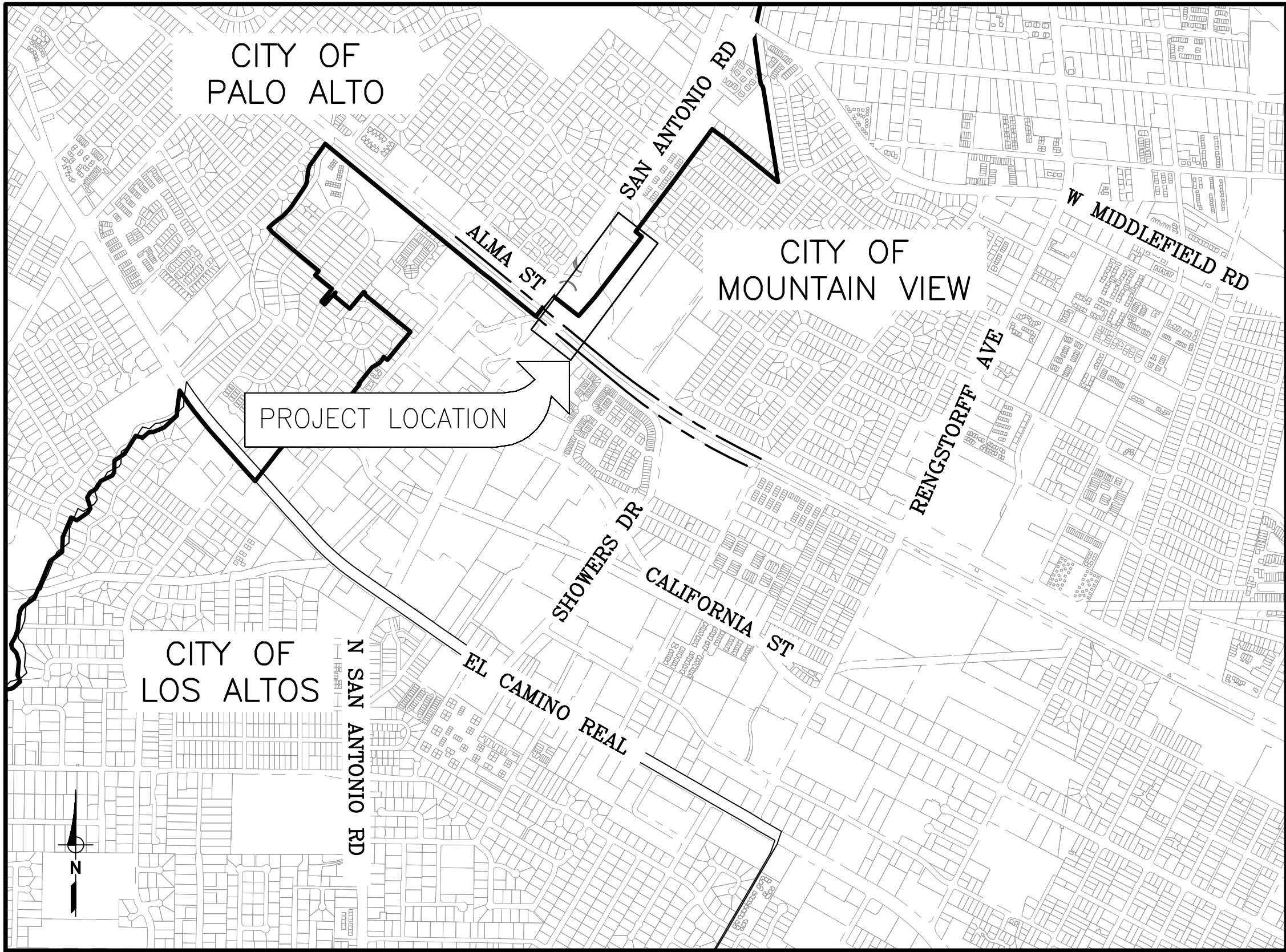
Attachment C - San Antonio Area Sewer Main Improvements Drawings



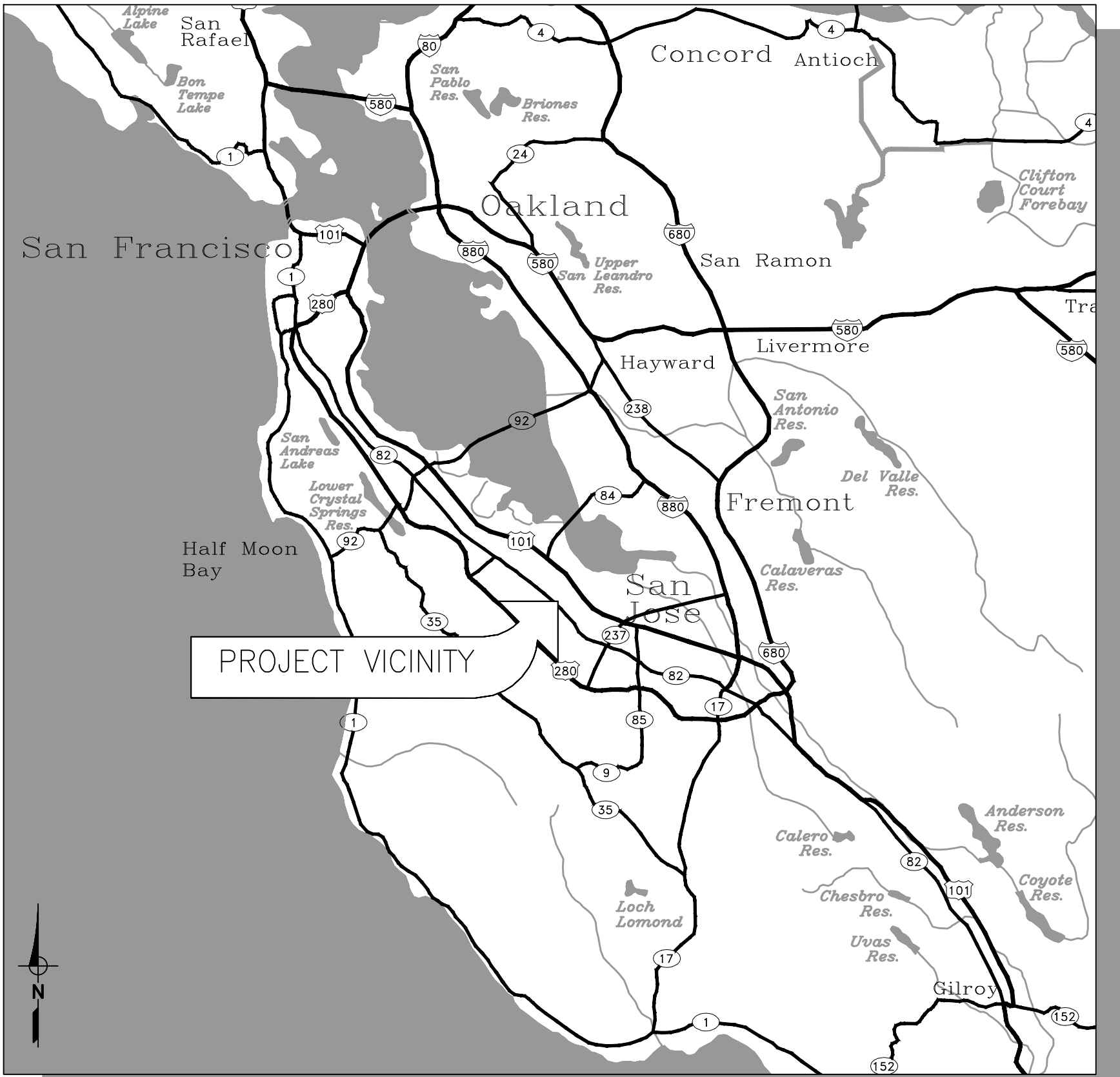
CITY OF MOUNTAIN VIEW

NOT FOR CONSTRUCTION
FINAL SUBMITTAL (DRAFT)
1/15/2021

PHASE 2
SAN ANTONIO AREA
SEWER MAIN IMPROVEMENTS



LOCATION MAP


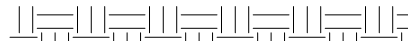

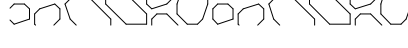
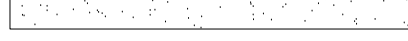








VICINITY MAP

	QA/QC REVIEW: KLW	 2020 Research Park Drive Suite 100 Davis, California 95618 (530) 756-5905 FAX (530) 756-5991	REVISIONS				CITY OF MOUNTAIN VIEW			CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
	DATE: 6/24/2020		NO.	DATE	DESCRIPTION	APPROVED	CHECKED BY:	RECOMMENDED FOR APPROVAL:	APPROVED FOR CONSTRUCTION:	CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 TITLE SHEET, LOCATION MAP, AND VICINITY IMPROVEMENTS		
							PROJECT ENGINEER	PRINCIPAL CIVIL ENGINEER	ASST. PUBLIC WORKS DIRECTOR/ CITY ENGINEER			
							DATE	DATE	DATE			SCALE: ASSHOWN
			DESIGNED BY: JDG/LCO DRAWN BY: JHP PROJ. MGR.: LCO									

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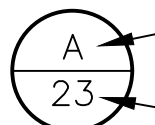
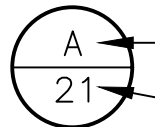
LEGEND

	NATURAL GROUND OR GRADE
	COMPACTED MATERIAL
	GRANULAR MATERIAL SUCH AS CRUSHED ROCK OR GRAVEL
	GROUT
	EXISTING PAVERS
	RIGHT OF WAY LIMITS
	BACK OF WALK
	FACE OF CURB
	LIP OF GUTTER/EDGE OF PAVEMENT
	EXISTING FENCE
	CONCRETE SECTION

ABBREVIATIONS

AB	AGGREGATE BASE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MIN	MINIMUM
ACP	ASBESTOS CEMENT PIPE	MGD	MILLION GALLONS PER DAY
ADJ	ADJUSTED	MH	MAINTENANCE HOLE
AL, ALUM	ALUMINUM	MTCO	MARK THOMAS COMPANY SURVEY
AP	ANGLE POINT	N	NORTH, NORTHING
APPROX.	APPROXIMATE	NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
ASPH	ASPHALT	NIC	NOT IN CONTRACT
BLDG	BUILDING	NTS	NOT TO SCALE
CDF	CONTROLLED DENSITY FILL	NW	NORTHWEST
CL, C	CENTER LINE	OC	ON CENTER
CLR	CLEAR	OD	OUTSIDE DIAMETER
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PAV'T	PAVEMENT
CMP	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CO	CLEAN OUT	P	PROPERTY LINE
CONC	CONCRETE	PUE	PUBLIC UTILITY EASEMENT
CONT	CONTINUOUS	PV	PLUG VALVE
CP	CONTROL POINT	PVC	POLYVINYL CHLORIDE
CY	CUBIC YARDS	R	RADIUS
DIA, Ø	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DTL	DETAIL	REQ'D	REQUIRED
DWG	DRAWING	R/W	RIGHT OF WAY
E	EAST, EASTING, EXISTING	S	SLOPE
EL, ELEV	ELEVATION	SCH	SCHEDULE
ELEC	ELECTRIC	SD	STORM DRAIN
EP	EDGE OF PAVEMENT	SHT	SHEET
EX, (E), E	EXISTING	SPTC	SOUTHERN PACIFIC TRANSPORTATION COMPANY
F, FL	FLOW LINE	SS	SANITARY SEWER
FM	FORCE MAIN	SSMH	SANITARY SEWER MAINTENANCE HOLE
FT	FEET	STA	STATION
GS	GROUND SURFACE	STD	STANDARD
GSP	GROUND SURFACE PROFILE	TAN	TANGENT
H	HORIZONTAL	TEL	TELEPHONE
ID	INSIDE DIAMETER	TEMP	TEMPORARY
IE	INVERT ELEVATION	TOC	TOP OF CONCRETE
INV	INVERT	TYP	TYPICAL
IPS	IRON PIPE SIZE	UG	UNDERGROUND
LF	LINEAR FEET	VAR	VARIOUS
		VCP	VITRIFIED CLAY PIPE
		VERT, V	VERTICAL
		W	WATER
		W/	WITH
		W/O	WITHOUT

SECTION & DETAIL DESIGNATIONS

SECTION CUT ON DWG 21		SECTION LETTER
		DRAWING WHERE SECTION APPEARS
ON DWG 23 THIS SECTION IS IDENTIFIED AS:		SECTION LETTER
		DRAWING FROM WHICH SECTION WAS TAKEN
DETAILS ARE CROSS REFERENCED IN A SIMILAR MANNER, EXCEPT THAT DETAILS ARE IDENTIFIED BY A NUMBER RATHER THAN LETTER		

INDEX OF SHEETS

SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
1	G01	TITLE SHEET, LOCATION MAP, AND VICINITY IMPROVEMENTS
2	G02	SHEET INDEX, LEGEND, ABBREVIATIONS, & UTILITY CONTACTS
3	G03	GENERAL NOTES 1
4	G04	GENERAL NOTES 2
5	G05	KEY MAP AND SURVEY NOTES
6	G06	BYPASS PLAN
7	G07	BYPASS DETAILS 1
8	C01	SAN ANTONIO DR PLAN AND PROFILE STA 40+00 TO STA 47+00
9	D01	CIVIL DETAILS 1
10	D02	CIVIL DETAILS 2
11	D03	CIVIL DETAILS 3
12	D04	STANDARD DETAILS
13	TH1	TRAFFIC HANDLING PLAN

UTILITY CONTACTS

AGENCY	NAME	PHONE
CITY OF LOS ALTOS	GRANT GABLER	(650) 947-2873
CITY OF PALO ALTO	SEE NOTES BELOW	SEE NOTES BELOW
COMCAST	JEANNE LAFORET	(707) 559-9207
COUNTY OF SANTA CLARA	STEPHEN DEMATTEI	(408) 573-2475
GOOGLE	SEAN KURBANICK	(650) 930-8506
MCI (VERIZON) (FIBER OPTIC)	DEAN BOYER	(469) 886-4238
PACIFIC BELL (AT&T)	KIRK GUERRO	(408) 635-8998
PG&E (GAS & ELECTRIC)	DOMINIQUE DILLON	(408) 725-2077
SPRINT	RUSSEL MIX	(650) 533-3438

CITY OF PALO ALTO – EMERGENCY CONTACTS

EMERGENCY SERVICES
ALL AREA CODES ARE (650) UNLESS OTHERWISE NOTED

CITY COMMUNICATION CENTER (FOR POLICE OR FIRE 24 HOURS)	329-2413
CITY WATER-GAS-WASTEWATER OPERATIONS	496-6982
CITY WATER-GAS-WASTEWATER INSPECTOR	566-4501
UNDERGROUND SERVICE ALERT (USA)	(800) 227-2600
CITY ELECTRIC/FIELD OPERATIONS	496-6914
CITY ELECTRIC/TRAFFIC SIGNALS	496-6991
CITY CHIEF ELECTRIC UNDERGROUND INSPECTOR	496-6965

CITY OF PALO ALTO – UTILITIES NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIND ALL KNOWN UTILITIES REGARDLESS OF USA AND PLAN INACCURACIES
- AS THE FIRST ORDER OF WORK THE CONTRACTOR SHALL POTHOLE ALL LOCATIONS SPECIFICALLY NOTED ON THE DRAWINGS. POTHOLE ALL EXISTING UTILITIES PRIOR TO CROSSING BY: BORING, OR OPEN CUT EXCAVATION.
- THE CONTRACTOR IS NOT ALLOWED TO START THE BORING OPERATION UNTIL THE PROPOSED BORE PATH OR THE CROSSING OF THE STREET VERTICAL ALIGNMENT AND METHOD OF CONSTRUCTION IS APPROVED.
- THE CONTRACTOR SHALL POTHOLE ALL CROSSING AND NEARBY PARALLEL UTILITIES BOTH PUBLIC AND PRIVATE WITHIN THE WORK AREA TO PREPARE AND SUBMIT FOR APPROVAL THE PROPOSED BORE PATH (VERTICAL ALIGNMENT) WHEN CROSSING ALMA STREET.
- CONTACT CHIEF ELECTRICAL INSPECTOR AT 650-496-6965 PRIOR TO ANY POTHOLING/EXCAVATION NEAR ELECTRICAL UNDERGROUND HIGH VOLTAGE LINES.
- CONTRACTOR SHALL TAKE EXTREME CAUTION WHEN EXCAVATING ADJACENT TO ACP WATER MAINS, ELECTRIC LINES, AND GAS LINES. ANY DAMAGE TO WATER, SEWER, STORM, AND OTHER CPA FACILITIES EXCLUDING ELECTRIC, GAS, FIBER, AND TRAFFIC LOOPS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY. ANY DAMAGE TO ELECTRIC OR GAS LINES WILL BE REPAIRED BY THE CITY AND THE COST WILL BE PAID BY THE CONTRACTOR. CONTACT CHIEF ELECTRICAL INSPECTOR AT 650-496-6965 PRIOR TO ANY EXCAVATION NEAR ELECTRICAL UNDERGROUND HIGH VOLTAGE LINES.

Underground Service Alert



TWO DAYS BEFORE YOU DIG

Call TOLL FREE: 1-800-227-2600



QA/QC REVIEW: K LW
DATE: 6/24/2020



2020 Research Park Drive
Suite 100
Davis, California 95618
(530) 756-5905
FAX (530) 756-5991

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED
DESIGNED BY: JDG/LCO		PROJ. MGR. : LCO	
DRAWN BY: JHP			



CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 SHEET INDEX, LEGEND, ABBREVIATIONS, & UTILITY CONTACTS		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G02 2 OF 13

N:\Clients\574- City of Mountain View\14-18-02- San Antonio Area Sewer Imp Dsan\CAD\Production\Phase 2 57414-1802\57414-1802-G03.dwg, 1/15/2021 10:15 AM, smelintock

CITY OF MOUNTAIN VIEW CONSTRUCTION NOTES:

GENERAL

1. **STANDARD PROVISIONS AND STANDARD SPECIFICATIONS:** ALL WORK SHALL BE IN ACCORDANCE WITH THE JULY 2019 STANDARD PROVISIONS OF THE CITY OF MOUNTAIN VIEW, THE LATEST EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS, AND THE PROJECT CONTRACT DOCUMENTS PROVIDED HEREIN.
2. **MAINTENANCE OF SITE DOCUMENTS:** THE CONTRACTOR SHALL KEEP AND MAKE AVAILABLE A COPY OF THE APPROVED PLANS, PROJECT SPECIFICATIONS, AND CITY STANDARD PROVISIONS AT THE JOB SITE AT ALL TIMES WHEN WORK IS IN PROGRESS. THE STANDARD PROVISIONS MAY BE PURCHASED AT THE CITY OF MOUNTAIN VIEW, PUBLIC WORKS DEPARTMENT COUNTER, 500 CASTRO STREET, P.O. BOX 7540, MOUNTAIN VIEW, CA, 94039-7540, TELEPHONE (650) 903-6311, FAX (650) 962-8503. THE STANDARD PROVISIONS, WHICH INCLUDE THE STANDARD DETAILS, COSTS FIFTEEN DOLLARS AT THE COUNTER OR TWENTY DOLLARS BY MAIL, AS AMENDED.

CONTROL OF WORK

3. **CHANGES TO PLANS:** THE FOLLOWING APPLIES TO PLANS APPROVED BY THE PUBLIC WORKS DEPARTMENT. MAJOR CHANGES IN THE APPROVED PLANS MUST BE APPROVED BY THE ASSISTANT PUBLIC WORKS DIRECTOR ON THE ORIGINAL SIGNED PLANS PER SECTION 5-02 OF THE STANDARD PROVISIONS. EACH CHANGE IS TO BE DELINEATED BY MARKING THE CHANGED AREA OF THE PLAN WITH A NUMBERED TRIANGLE OR OTHER ACCEPTABLE METHOD. THE ENGINEER MUST DATE AND INITIAL EACH REVISION IN THE REVISION BLOCK. THE ENGINEER SHALL SUBMIT A COVER LETTER EXPLAINING THE REQUESTED CHANGE AND TWO COPIES OF THE REVISED SHEETS. AFTER THE CITY APPROVES AND INITIALS THE REVISION BLOCK, THE ENGINEER SHALL SUBMIT ONE 24" BY 36" XEROX MYLAR SET (4 MIL) AND THREE BLACK LINE COPIES OF THE SIGNED REVISED SHEETS TO THE CITY. FOR MINOR CHANGES, THE CONTRACTOR MAY "RED LINE" THE PROPOSED MINOR CHANGE ON THE PLAN AND SUBMIT THEM TO THE CITY FOR REVIEW AND APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CHANGES WITH THE ENGINEER WHO PREPARED THE PLANS AND SHALL KEEP APPROVED CHANGES AT THE JOB SITE WHEN WORK IS IN PROGRESS. ALL CHANGES SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE CITY AT THE END OF THE JOB. THE CITY SHALL HAVE THE SOLE DISCRETION TO DETERMINE WHAT IS A MINOR CHANGE. RELOCATION OF A MANHOLE FROM THE SIDEWALK TO A LANDSCAPED AREA OR INTO THE STREET IS CONSIDERED A MINOR CHANGE THAT REQUIRES APPROVAL FROM THE PUBLIC WORKS LAND DEVELOPMENT SECTION.
4. **AS-BUILT PLANS:** THE FOLLOWING APPLIES TO PLANS APPROVED BY THE PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL KEEP COMPLETE AND ACCURATE RECORD DRAWINGS OF ALL NEW WORK, UTILITY POTHOLE DATA AND EXISTING CONDITIONS THAT HAVE CHANGED OR ARE DIFFERENT THAN SHOWN ON THE ORIGINALLY APPROVED PLANS. UPON COMPLETION OF THE WORK, THE CONTRACTOR'S RECORD DRAWINGS SHALL BE SUBMITTED TO THE CITY INSPECTOR FOR REVIEW AND COMMENT. THE ENGINEER SHALL MAKE THE NECESSARY REVISIONS TO THE ORIGINAL DRAWINGS TO SHOW ALL FIELD CHANGES. THE ENGINEER SHALL VERIFY FINAL GRADING AND SHALL SIGN THE GRADING CERTIFICATE, IF APPLICABLE, WHEN SATISFIED THAT THE GRADING IS PER APPROVED PLANS. EACH SHEET OF THE PLANS SHALL BE STAMPED "AS-BUILT" OR "RECORD DRAWING" AND SIGNED BY THE ENGINEER. THE REVISED ORIGINALS SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. PRIOR TO THE ACCEPTANCE OF THE WORK BY THE CITY, THE ENGINEER SHALL PROVIDE ONE 24" BY 36" XEROX MYLAR SET (4 MIL) OF THE APPROVED "AS-BUILT" PLANS TO THE CITY. ELECTRONIC FILES OF THE APPROVED "AS-BUILT" DRAWINGS IN BOTH AUTOCAD 2018 AND PDF FORMAT SHALL ALSO BE SUBMITTED TO THE CITY.
5. **CONSTRUCTION SAFETY ORDERS FOR EXCAVATIONS:** THE CONTRACTOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE CONSTRUCTION SAFETY ORDERS OF THE STATE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH PERTAINING TO EXCAVATION AND TRENCHES PER SECTION 5-03 OF THE STANDARD PROVISIONS. FOR DEEP TRENCHES, THE CONTRACTOR SHALL SUBMIT TO THE CITY A COPY OF THEIR ANNUAL OR SINGLE PROJECT PERMIT FOR TRENCH AND EXCAVATIONS FROM THE STATE DEPARTMENT OF INDUSTRIAL RELATIONS DIVISION OF OCCUPATIONAL SAFETY AND HEALTH.
6. **NORMAL WORKING HOURS:** NORMAL WORKING HOURS IS DEFINED AS THE TIME FROM 7:30 A.M. TO 4:00 P.M., MONDAY THROUGH FRIDAY, EXCLUDING LEGAL HOLIDAYS. THE CONTRACTOR SHALL NOT WORK ON THE PROJECT OUTSIDE THE NORMAL WORKING HOURS, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE CITY OR WHEN SPECIFICALLY REQUIRED BY THE CITY. WORK OUTSIDE NORMAL WORKING HOURS WILL ONLY BE ALLOWED IF A CITY INSPECTOR IS AVAILABLE. THE CONTRACTOR SHALL PAY THE CITY FOR THE COST OF OVERTIME FOR CITY INSPECTION PERFORMED OUTSIDE OF NORMAL WORKING HOURS PER SECTION 5-09 OF THE STANDARD PROVISIONS.
7. **COORDINATION WITH OTHER AGENCIES:** THE CONTRACTOR SHALL BE RESPONSIBLE COORDINATING INSPECTION PERFORMED BY OTHER GOVERNMENTAL AGENCIES, AS PRESCRIBED IN THEIR PERMITS AND APPROVALS.
8. **AIRBORNE DUST:** AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION AND ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE IN SUCH A MANNER THAT IT WILL CONTAIN DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK PER SECTION 5-10 OF THE STANDARD PROVISIONS. THE CONTRACTOR SHALL PERFORM SUCH TREATMENT WITHIN 2 HOURS AFTER NOTIFICATION BY THE CITY THAT AN AIRBORNE NUISANCE EXISTS.
9. **MAINTENANCE OF EQUIPMENT:** ALL EQUIPMENT AND PLANT SHALL BE MAINTAINED IN GOOD ORDER PER SECTION 5-13 OF THE STANDARD PROVISIONS. SUBSTANDARD OR UNSUITABLE PAVING EQUIPMENT WILL NOT BE ALLOWED.
10. **FINAL INSPECTION:** THE CITY WILL NOT PERFORM THE FINAL INSPECTION UNTIL THE CONTRACTOR COMPLETES ALL WORK AND FINAL CLEANUP OF THE SITE PER SECTIONS 4-05 AND 5-14 OF THE STANDARD PROVISIONS.
11. **MAINTENANCE OF WORK SITE:** THE CONTRACTOR SHALL KEEP THE STREET AND WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS PER SECTION 5-15 OF THE STANDARD PROVISIONS. THIS PROVISION REQUIRES PREVENTING SPILLAGE ON HAUL ROUTES, CLEANING UP SPILLAGE, SWEEPING ALL STREETS OF MUD, DIRT AND DEBRIS THAT ARE A RESULT OF THE CONTRACTOR'S WORK, AND KEEPING THE WORK SITE IN A CLEAN AND NEAT APPEARANCE. ANY SPILLAGE ON HAUL ROUTES SHALL BE IMMEDIATELY REMOVED AND CLEANED UP.
12. **CLEANING SITE UPON NOTICE FROM CITY:** REGARDING SECTION 5-15 OF THE STANDARD PROVISIONS, WHEN ORDERED BY THE CITY, THE CONTRACTOR SHALL CLEAN UP THE WORK SITE WITHIN 24 HOURS AFTER RECEIVING NOTICE.
13. **COMPACTION TESTS:** THE CONTRACTOR SHALL HIRE A TESTING LABORATORY, APPROVED BY THE CITY, TO PERFORM COMPACTION TESTS OF AGGREGATE BASE, AGGREGATE SUB-BASE AND SUB-GRADE TO THE SATISFACTION OF THE CITY. THE TEST RESULTS SHALL BE SUBMITTED TO THE CITY PRIOR TO ANY AC OR PCC PAVING. AC PAVING SHALL BE TESTED WITH A NUCLEAR GAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL TESTING.
14. **CONCRETE MATERIAL TAGS:** PLANT MATERIAL TAGS FOR PORTLAND CONCRETE CEMENT SHALL BE SUBMITTED TO THE CITY PER SECTION 6-01 OF THE STANDARD PROVISIONS.

LEGAL RELATIONS AND RESPONSIBILITY

15. **STATE AND CITY LICENSES:** ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA AND SHALL HAVE AND MAINTAIN A VALID CITY BUSINESS LICENSE, PER SECTION 7-01.C AND 8-01 OF THE STANDARD PROVISIONS.
16. **COMPLIANCE WITH ENVIRONMENTAL DOCUMENTS:** THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL PERMITS, LICENSES OR OTHER AUTHORIZATIONS APPLICABLE TO THE WORK WITH RESPECT TO THE ENVIRONMENTAL QUALITY ACT PER SECTION 7-02 OF THE STANDARD PROVISIONS.
17. **PUBLIC CONVENIENCE AND ACCESS:** ALL WORK SHALL BE PLANNED AND CARRIED OUT SO THAT THERE WILL BE THE LEAST POSSIBLE INCONVENIENCE TO THE TRAVELING PUBLIC, AND TRAFFIC SHALL NOT BE UNREASONABLY DELAYED PER SECTION 7-04 OF THE STANDARD PROVISIONS. DRIVEWAY ACCESS SHALL BE MAINTAINED TO EACH PROPERTY AT ALL TIMES.
18. **MAINTAIN TRAFFIC CONTROL DEVICES:** THE CONTRACTOR SHALL INSTALL AND MAINTAIN FENCES, BARRIERS, LIGHTS AND SIGNS THAT ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC AT ALL TIMES PER SECTION 7-05 OF THE STANDARD PROVISIONS IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
19. **REMOVE MATERIAL AND EQUIPMENT AT END OF DAY:** NO MATERIAL OR EQUIPMENT SHALL BE STORED IN THE PUBLIC RIGHT-OF-WAY AFTER "NORMAL WORKING HOURS". SEE SECTIONS 5-15 AND 7-05 OF THE STANDARD PROVISIONS. AT THE

- END OF EACH DAY'S WORK AND AT OTHER TIMES WHEN CONSTRUCTION OPERATIONS ARE SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND OTHER OBSTRUCTIONS FROM THE PUBLIC RIGHT-OF-WAY.
20. **HAZARDOUS MATERIALS AND WASTE:** ALL WORK SHALL BE CONDUCTED IN A MANNER WHICH PREVENTS THE RELEASE OF HAZARDOUS MATERIALS OR HAZARDOUS WASTE TO THE SOIL OR GROUNDWATER, AND MINIMIZES THE DISCHARGE OF HAZARDOUS MATERIALS, HAZARDOUS WASTES, POLLUTED WATER AND SEDIMENTS TO THE STORM DRAIN SYSTEM PER SECTION 7-08.01 OF THE STANDARD PROVISIONS.
21. **COORDINATION WITH OTHER CONTRACTORS:** WHERE TWO OR MORE CONTRACTORS ARE WORKING IN THE SAME AREA, EACH SHALL CONDUCT THEIR OPERATIONS IN SUCH A MANNER AS NOT TO CAUSE ANY UNNECESSARY DELAY OR HINDRANCE TO THE OTHER PER SECTION 7-09 OF THE STANDARD PROVISIONS. WHERE CONFLICTS CANNOT BE AVOIDED, THE CITY WILL DETERMINE WHICH CONTRACTORS HAVE CONSTRUCTION PRIORITY OVER THE OTHER CONTRACTORS AND THE TERMS OF SUCH CONSTRUCTION PRIORITY.
22. **NOISE WORKING HOUR RESTRICTIONS:** IN ORDER TO LIMIT DISTURBING NOISES, CONSTRUCTION WORK SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:30 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS. WORK OUTSIDE OF THESE HOURS IS PROHIBITED, UNLESS THE CITY GRANTS AN EXCEPTION. EXCEPTIONS WILL BE CONSIDERED ONLY WHEN, IN THE OPINION OF THE PUBLIC WORKS DIRECTOR, CONSTRUCTION DURING NORMAL CONSTRUCTION HOURS WOULD INCONVENIENCE THE PUBLIC AND NEIGHBORING RESIDENTS MORE THAN WORKING OUTSIDE OF THESE HOURS. EXCEPTIONS WILL NOT BE GRANTED MERELY TO EXPEDITE THE CONSTRUCTION WORK.

NOTIFICATION

23. **DANGEROUS SITUATIONS, CALL 911:** IF ANY DAMAGE OCCURS TO AN UNDERGROUND FACILITY THAT RESULTS IN THE ESCAPE OF ANY FLAMMABLE, TOXIC OR CORROSIVE GAS OR LIQUID OR ENDANGERS LIFE, HEALTH, OR PROPERTY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND CALL THE 911 EMERGENCY TELEPHONE NUMBER TO NOTIFY LOCAL PUBLIC SAFETY OFFICIALS.
24. **PROVIDE SUPERINTENDENT INFORMATION BEFORE START OF WORK:** THE CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER OF THE AUTHORIZED REPRESENTATIVE (SUPERINTENDENT) OF THE WORK TO THE CITY IN WRITING PRIOR TO THE START OF WORK PER SECTION 5-07 OF THE STANDARD PROVISIONS. PUBLIC WORKS CONSTRUCTION SECTION: TELE. (650) 903-6311 AND FAX (650) 962-8503.
25. **CALL PUBLIC WORKS INSPECTORS PRIOR TO START OF WORK:** CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DIRECTOR AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING WORK, RESUMING SUSPENDED WORK, OR RESUMING WORK AFTER THREE DAYS OF NO WORK SO THAT INSPECTION CAN BE ARRANGED PER SECTIONS 5-09 AND 10-01.01 OF THE STANDARD PROVISIONS. PUBLIC WORKS CONSTRUCTION SECTION: TELE. (650) 903-6311 AND FAX (650) 962-8503.
26. **ROAD DETOURS, NOTIFY EMERGENCY COMMUNICATION CENTER:** CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE CITY EMERGENCY COMMUNICATIONS CENTER AT (650) 903-6395 AND KEEP THE CENTER INFORMED DAILY REGARDING DETOURS PER SECTIONS 10-01.02 AND 10-01.03 OF THE STANDARD PROVISIONS.
27. **CONTACT USA:** CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 642-2444 AT LEAST TWO WORKING DAYS BUT NOT MORE THAN 14 DAYS PRIOR TO COMMENCING EXCAVATION WORK TO VERIFY EXISTING UNDERGROUND UTILITIES. PER SECTION 5-11.02 OF THE STANDARD PROVISIONS AND CHAPTER 3.1, DIVISION 5, TITLE 1 OF THE GOVERNMENT CODE.
28. **NOTIFY UTILITY OWNERS:** CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 15 DAYS AND FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY PER SECTIONS 5-11.02 AND 10-01 OF THE STANDARD PROVISIONS.
29. **NOTIFY ADJACENT PROPERTIES:** CONTRACTOR SHALL NOTIFY THE ADJACENT RESIDENCES AND BUSINESS IN WRITING DESCRIBING THE NATURE OF THE WORK, SCHEDULE OF THE WORK, WHEN PARKING WILL BE PROHIBITED (IF ANY), AND WHO TO CALL AT THE CONTRACTOR'S OFFICE IF THEY HAVE QUESTIONS ABOUT THE WORK. THE CITY PRIOR TO ITS DISTRIBUTION MUST APPROVE THE NOTICE. THE CONTRACTOR MUST DISTRIBUTE THE NOTICE TO THE ADJACENT RESIDENCES AND BUSINESS AT LEAST 7 DAYS PRIOR TO THE START OF THE CONSTRUCTION WORK. FOR LARGE PROJECTS, THE WORK AREA, PARKING PROHIBITION REQUIREMENTS AND SCHEDULE SHALL BE DIVIDED UP INTO SMALLER, MORE MANAGEABLE AREAS. IN THE EVENT THE PARKING PROHIBITION SCHEDULE CHANGES AFTER THE NOTIFICATION, CONTRACTOR SHALL POST A NEW NOTICE OF THE REVISED SCHEDULE AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION. FOR WORK REQUESTED BY THE PROPERTY OWNER, A NOTICE TO THE PROPERTY OWNER IS NOT REQUIRED.
30. **NO PARKING SIGN NOTIFICATION:** UPON POSTING TEMPORARY NO PARKING SIGNS ON A STREET, CONTRACTOR SHALL NOTIFY THE EMERGENCY COMMUNICATIONS CENTER AT 650-903-6395 OF STREETS THAT HAVE BEEN POSTED WITH NO PARKING SIGNS. THE SIGNS SHALL BE POSTED AT LEAST 48 HOURS IN ADVANCE.
31. **STREET CLOSURE NOTIFICATION:** IN THE EVENT OF A STREET CLOSURE AND DETOUR THAT IS THREE OR MORE CONSECUTIVE DAYS IN DURATION AND IS CAUSED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE U.S. POSTAL SERVICES CUSTOMER SERVICES MANAGER AT (650) 967-5721 TWENTY FOUR HOURS PRIOR TO THE STREET CLOSURE.

STREET IMPROVEMENTS

32. **PLACE UTILITIES BEFORE BASE ROCK:** ALL UNDERGROUND UTILITIES SHALL BE COMPLETED BEFORE PLACING OF BASE ROCK, UNLESS THE CITY GRANTS AN EXCEPTION.
33. **5 DAYS TO REPLACE CONCRETE IMPROVEMENTS:** ALL EXISTING CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED WITHIN 5 DAYS AFTER THEIR REMOVAL, UNLESS THE CITY GRANTS AN EXCEPTION. SEE SECTION 22-04 OF THE STANDARD PROVISIONS.
34. **PEDESTRIAN ACCESS:** WHERE PRACTICABLE AS DETERMINED BY THE CITY, THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS ALONG WALKWAYS, INCLUDING PUBLIC SIDEWALKS, AT ALL TIMES. THE CITY'S PUBLIC WORKS INSPECTOR MUST APPROVE SIDEWALK CLOSURES IN ADVANCE. WALKWAYS SHALL BE REOPENED AT THE END OF EACH WORKING DAY. WELL-COMPACTED BASE ROCK MAY BE USED AS A TEMPORARY WALKING SURFACE.
35. **INSPECTION OF CONCRETE FORMS:** THE CITY MUST APPROVE CONCRETE FORMS, BEFORE THE POURING OF CONCRETE PER SECTION 22-06 OF THE STANDARD PROVISIONS. CONCRETE POURED PRIOR TO INSPECTION IS SUBJECT TO REJECTION AND REMOVAL.
36. **"S" AND "W" CURB MARKINGS:** DURING CONCRETE PLACEMENT, THE CONTRACTOR SHALL MARK FACE OF CURB WITH A LETTER "S" FOR SEWER LATERALS AND A LETTER "W" FOR WATER SERVICES PER SECTION 22-09.01 OF THE STANDARD PROVISIONS.
37. **AC GUTTER CONFORMS:** NEW GUTTER REQUIRES A HAIRLINE AC SAWCUT ALONG THE EDGE OF THE PAVEMENT OR A 1' WIDE AC PAVEMENT CONFORM PER SECTION 22-09.01, AS DIRECTED BY CITY INSPECTOR.
38. **SIDEWALK REPLACEMENT:** SIDEWALKS SHALL BE REPLACED BY SAWCUTTING ALONG SCORE MARKS, THEN REMOVING AND REPLACING THE ENTIRE WIDTH OF THE SIDEWALK OVER 3" AGGREGATE BASE AND INSTALLING NO. 4 DOWELS (9" MAXIMUM LENGTH) AT 3' ON CENTERS, PER SECTION 22 OF THE STANDARD PROVISIONS. THE DOWELS ARE TO BE DRILLED 3" INTO THE EXISTING CURB AND REMAINING SIDEWALK AND EPOXIED IN PLACE.

EXCAVATIONS

39. **UTILITY INSPECTION REQUIREMENT:** ALL CITY APPURTENANCES MUST BE INSPECTED BY THE CITY PRIOR TO BACKFILLING ANY TRENCHES OR POURING ANY CONCRETE.
40. **EXCAVATIONS:** AT THE END OF THE EACH WORK DAY, ALL EXCAVATIONS WITHIN THE STREET AND TRAVEL WAY SHALL BE: (1) BACKFILLED AND PAVED WITH TEMPORARY PAVING SUCH THAT THE FINISHED SURFACE IS FLUSH WITH THE EXISTING PAVEMENT, (2) ADEQUATELY COVERED WITH STEEL PLATE BRIDGING, OR (3) BACKFILLED AND PAVED WITH PERMANENT PAVING.

- IF STEEL PLATE BRIDGING IS USED, THE STEEL PLATE BRIDGING MUST BE REMOVED WITHIN 48 HOURS AFTER ITS INSTALLATION. CONTROL DENSITY FILL SHALL NOT BE USE AS TEMPORARY AC PAVING.
41. **"T" TRENCH CUT:** A "T" TRENCH CUT IS REQUIRED PER DETAIL A-18 OF THE STANDARD PROVISIONS. STREET PAVEMENT REMOVED SHALL BE REPLACED IN KIND OR WITH A MINIMUM SECTION OF 2.5'AC ON 12" AB, WHICH EVER IS GREATER, WITH RESPECT TO THE PERMANENT PAVING.
42. **PIPE BEDDING AND BACKFILL:** UNIFORMLY GRADED SAND SHALL NOT BE USED FOR PIPE BEDDING OR EXCAVATION BACKFILL, AS THIS MATERIAL WILL FAIL UPON RE-EXCAVATION. PIPE BEDDING MATERIAL SHALL CONFORM TO SELECT (INITIAL) BACKFILL MATERIAL, AND SUBSEQUENT TRENCH BACKFILL MATERIAL SHALL BE CLASS 2 AGGREGATE BASE PER SECTIONS 24-02.01 AND 24-04.03, DETAIL A-18 OF THE STANDARD PROVISIONS AND PROJECT TECHNICAL SPECIFICATIONS.
43. **CONTROL DENSITY FILL:** CONTROLLED DENSITY FILL (SECTION 24-02.04 OF THE STANDARD PROVISIONS) MAY BE USED AS SUBSEQUENT BACKFILL MATERIAL ONLY WHEN SPECIFICALLY APPROVED BY THE CITY. CONTROLLED DENSITY FILL SHALL NOT BE USED AS PIPE BEDDING MATERIAL, UNLESS AN EXCEPTION IS GRANTED BY THE CITY.
44. **STEEL PLATE:** WHEN BACKFILLING OPERATION IN A TRAVELED WAY CANNOT BE PROPERLY COMPLETED BY THE END OF THE WORKING DAY, STEEL-PLATE BRIDGING WITH A NONSKID SURFACE WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE STEEL PLATES, SHORING AND ASPHALT CONCRETE RAMPS AS NECESSARY WHILE THEY ARE IN USE, UNLESS SPECIFICALLY PERMITTED BY THE ENGINEER, STEEL PLATES PLACED OVER A TRENCH SHALL NOT EXCEED FOUR (4) CONSECUTIVE DAYS IN ANY GIVEN WEEK.
- WHEN PLACING, STEEL PLATES MUST EXTEND A MINIMUM OF TWELVE INCHES (12") BEYOND THE EDGES OF THE TRENCH. SECURE STEEL PLATES AGAINST DISPLACEMENT BY USING ADJUSTABLE CLEATS, SHIMS OR OTHER DEVICES TO MINIMIZE NOISE. SHORE TRENCH ADEQUATELY IN ACCORDANCE WITH SECTION 501.26 TO SUPPORT THE STEEL PLATES AND TRAFFIC LOADS. APPROACH PLATE(S) AND ENDING PLATE SHALL BE ANCHORED TO THE ROADWAY BY A MINIMUM OF TWO (2) DOWELS PREDRILLED INTO THE CORNERS OF THE PLATE AND DRILLED TWO INCHES (2") INTO THE PAVEMENT. SUBSEQUENT PLATES ARE BUTTED TO EACH OTHER. FINE, GRADED ASPHALT CONCRETE SHALL BE COMPACTED TO FORM RAMPS WITH MAXIMUM SLOPE OF 8.5 PERCENT WITH A MINIMUM TWELVE-INCH (12") TAPER TO COVER ALL EDGES OF THE STEEL PLATES ON THE PAVEMENT.
- ON ARTERIAL AND COLLECTOR STREETS WITHIN THE TRAVELED WAY, OR AT ANY OTHER LOCATIONS DETERMINED BY THE ENGINEER, STEEL PLATES SHALL BE COUNTERSUNK SO THAT THE TOP OF THE PLATE IS FLUSH WITH THE ADJACENT GRADE IN ACCORDANCE WITH THE LATEST CALTRANS STANDARDS. THE PAVEMENT SHALL BE COLD PLANED TO A DEPTH EQUAL TO THE THICKNESS OF THE PLATE AND TO A WIDTH AND LENGTH EQUAL TO THE DIMENSIONS OF THE PLATE. APPROACH PLATE(S) AND ENDING PLATE (IF LONGITUDINAL PLACEMENT) SHALL BE ATTACHED TO THE ROADWAY BY A MINIMUM OF 2 DOWELS PRE- DRILLED INTO THE CORNERS OF THE PLATE AND DRILLED 2" INTO THE PAVEMENT. SUBSEQUENT PLATES ARE TO BE BUTTED AND ATTACHED TOGETHER BY TACK WELDING OR OTHER METHOD APPROVED BY THE ENGINEER. ALL OTHER PROVISIONS OF THIS SUB- SECTION SHALL APPLY.
- WHEN STEEL PLATES ARE REMOVED, THE DOWEL HOLES IN THE PAVEMENT SHALL BE BACKFILLED WITH EITHER FINE, GRADED ASPHALT CONCRETE MIX, CONCRETE SLURRY, OR AN EQUIVALENT SLURRY SATISFACTORY TO THE ENGINEER.
- THE FOLLOWING TABLE SHOWS THE REQUIRED MINIMUM THICKNESS OF STEEL-PLATE BRIDGING REQUIRED FOR A GIVEN TRENCH WIDTH:
- | TRENCH WIDTH | MINIMUM PLATE THICKNESS |
|--------------|-------------------------|
| 1.0' | 1/2" |
| 1.5' | 3/4" |
| 2.0' | 7/8" |
| 3.0' | 1" |
| 4.0' | 1-1/4" |
- STEEL-PLATE BRIDGING SHALL BE STEEL PLATE DESIGNED FOR HS20-44 TRUCK LOADING PER CALTRANS BRIDGE DESIGN SPECIFICATION MANUAL. STEEL PLATING IS REQUIRED TO HAVE A NONSKID SURFACE WITH MINIMUM COEFFICIENT OF FRICTION OF 0.35 AS DETERMINED BY CALIFORNIA TEST METHOD 342. THE PLATING WILL BE REQUIRED FOR BOTH TRANSVERSE AND LONGITUDINAL TRENCHES. PLATES SHALL BE ATTACHED TOGETHER BY WELDING OR OTHER METHOD APPROVED BY THE ENGINEER AND SECURED TO THE PAVEMENT.
- WHEN STEEL PLATES ARE REMOVED, THE DOWEL HOLES IN THE PAVEMENT SHALL BE BACKFILLED WITH EITHER FINE, GRADED ASPHALT CONCRETE MIX, CONCRETE SLURRY, OR EQUIVALENT SLURRY SATISFACTORY TO THE ENGINEER.
45. **REPLACEMENT OF AC BETWEEN EXCAVATION AND EDGE OF PAVEMENT:** ON ARTERIAL STREETS, COLLECTOR STREETS, STREETS THAT HAVE BEEN RESURFACED WITH AC WITHIN THE LAST FIVE YEARS, OR WHEN REQUIRED BY CITY, THE CONTRACTOR SHALL REMOVE AND REPLACE ALL INTERVENING AC PAVING FOR TRENCHES AND EXCAVATIONS LOCATED WITHIN 6 FEET OF THE EDGE OF THE PAVEMENT. ON MINOR STREETS, THE CONTRACTOR SHALL REMOVE AND REPLACE ALL INTERVENING AC PAVING FOR TRENCHES AND EXCAVATIONS LOCATED WITHIN 3 FEET OF THE EDGE OF THE PAVEMENT PURSUANT TO SECTION 24.03.01 OF THE STANDARD PROVISIONS.
46. **REPLACEMENT OF AC BETWEEN TWO EXCAVATIONS:** WHERE TRENCHES OR EXCAVATIONS ARE ADJACENT TO EACH OTHER, THE INTERVENING PAVEMENT LOCATED BETWEEN THE EDGES OF THE "T" TRENCH SHALL BE REPLACED IF THE WIDTH OF THE INTERVENING PAVEMENT IS LESS THAN 6'.
47. **VAULT EXCAVATION AND BACKFILL:** VAULT EXCAVATIONS SHALL NOT BE BACKFILLED WITH SAND. THE DISTANCE BETWEEN THE VAULT AND SIDE OF THE EXCAVATION SHALL BE SUFFICIENTLY WIDE TO ALLOW PROPER COMPACTION OF THE AGGREGATE BASE BACKFILL MATERIAL. COMPACTION TESTS OF THE BACKFILL MATERIAL ARE REQUIRED, PARTICULARLY ON LARGE VAULTS, EXCEPT WHEN CONTROL DENSITY FILL MATERIAL IS APPROVED AND USED AS BACKFILL MATERIAL. UNEVEN PAVING AROUND NEW MANHOLES LOCATED WITHIN THE STREET OR SIDEWALK WILL NOT BE ACCEPTED. THE GRADE OF THE PAVING SURFACE AROUND THE MANHOLES SHALL BE FLAT, MATCHING THE EXISTING GRADE, AND SHALL BE NO WORSE THEN THE EXISTING GRADE OF THE STREET OR SIDEWALK BEFORE MANHOLE WAS INSTALLED.
48. **VAULT LIDS AND FRAMES:** ALL BOXES AND VAULTS PLACED IN THE SIDEWALK AREA SHALL HAVE A CONCRETE TYPE OF FINISH (POLYMER LIDS AND FRAMES ARE ACCEPTABLE). BOXES AND VAULTS LOCATED WITHIN DRIVEWAYS SHALL BE TRAFFIC RATED BOXES AND LIDS FOR AT LEAST H20 TRAFFIC LOADS.
49. **VAULTS, UTILITY RELOCATION:** WHERE PROPOSED VAULTS CONFLICT WITH MINOR LINES, SUCH AS A STREET LIGHT CONDUIT, THE CONFLICTING CONDUIT MAY, AT THE DISCRETION OF THE CITY, NEED TO BE RELOCATED IN LIEU OF RELOCATING THE VAULT.
50. **AC PAVING MACHINE:** FOR EXCAVATIONS WITHIN PAVED AREAS THAT ARE MORE THAN 8 FEET WIDE, THE AC SURFACING SHALL BE INSTALLED WITH AN AC PAVING MACHINE.
51. **COVER REQUIREMENTS:** A MINIMUM COVER OF 30" WITHIN TRAVELWAYS AND 18" WITHIN SIDEWALK AREAS AS MEASURED FROM THE TOP OF PIPE TO GROUND SURFACE IS REQUIRED FOR THE PROPOSED EXCAVATION WITHIN THE RIGHT-OF-WAY. PROVIDE ADDITIONAL COVER TO PLACE THE UTILITY BELOW THE PAVEMENT STRUCTURAL SECTION.
52. **PAVEMENT STRIPING DAMAGE:** PAVEMENT STRIPING DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
- WATER FOR CONSTRUCTION
53. **CONSTRUCTION WATER PERMIT:** A PERMIT FOR THE USE OF CITY WATER IS REQUIRED PER SECTION 30-01 OF THE STANDARD PROVISIONS. PERMITS, BACKFLOW PREVENTION DEVICES AND METERS ARE ISSUED AT THE MUNICIPAL OPERATIONS CENTER AT 231 NORTH WHISMAN ROAD. CONTACT THE METER SHOP AT (650) 903-6329 FOR FURTHER INFORMATION.



QA/QC
REVIEW: KIW
DATE: 6/24/2020



2020 Research Park Drive
Suite 100
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FAX (530) 756-5991

REVISIONS			
NO.	DATE	DESCRIPTION	APPROVED
DESIGNED BY:		JDG/LCO	PROJ.MGR. : LCO
DRAWN BY:		JHP	



CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 GENERAL NOTES 1		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G03 3 OF 13

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CITY OF MOUNTAIN VIEW CONSTRUCTION NOTES (CONTINUED):

SANITARY SEWERS

54. PVC SANITARY SEWER LATERALS: ALL NEW SANITARY SEWER LATERALS SHALL BE CONSTRUCTED OF PVC IN ACCORDANCE WITH SECTION 32-02.02 OF THE STANDARD PROVISIONS AND PROJECT SPECIFICATIONS, UNLESS THE CITY AUTHORIZES THE USE OF VCP.

55. TESTING, CLEANING AND VIDEO TAPING SEWER LINES: THE CONTRACTOR SHALL COMPLETE ALL TESTING OF SANITARY SEWER PIPES PER SECTION 32 OF THE STANDARD PROVISIONS. THIS PROVISION REQUIRES THE CONTRACTOR TO PERFORM EXFILTRATION AND INFILTRATION TESTING, FLUSH AND CLEAN THE LINES, VIDEO TAPE THE NEW SANITARY SEWER PIPES PRIOR TO THE INSTALLATION OF THE FINAL LIFT OF AC PAVING PER SECTION 32-03.10 OF THE STANDARD PROVISIONS, AND PERFORM OTHER REQUIREMENTS AS WELL. THE VIDEO TAPING REQUIREMENTS ALSO REQUIRES THE VIDEO TAPE AND LOG SHEETS TO BE SUBMITTED TO AND APPROVED BY THE CITY PRIOR TO THE INSTALLATION OF THE FINAL LIFT OF AC PAVING. APPROVAL OF THE TAPES AND LOG SHEETS DOES NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO REPAIR DEFECTIVE WORK AND MATERIALS.

TREES

56. TREE REMOVAL PERMIT: A TREE REMOVAL PERMIT IS REQUIRED BEFORE ANY STREET TREE CAN BE REMOVED, AND A HERITAGE TREE REMOVAL PERMIT IS REQUIRED BEFORE ANY HERITAGE TREE CAN BE REMOVED. FOR DEVELOPMENT RELATED TREE REMOVALS, CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT (650) 903-6306. FOR NON-DEVELOPMENT RELATED TREE REMOVALS, CONTACT THE COMMUNITY SERVICES DEPARTMENT, FORESTRY AND ROADWAY LANDSCAPE DIVISION, AT (650) 903-6273.

TRAFFIC SIGNALS

57. WORK NEAR TRAFFIC SIGNAL NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER TWO WORKING DAY PRIOR TO DOING ANY WORK NEAR SIGNALIZED INTERSECTION THAT IS MAINTAINED BY THE CITY TO DETERMINE IF THE SIGNAL NEEDS TO BE SWITCHED FROM AUTOMATIC TO MANUAL. THIS ALSO APPLIES TO NON-EXCAVATION WORK WHERE THE CONTRACTOR'S EQUIPMENT EFFECTS THE OPERATION OF THE DETECTOR LOOPS.

58. TRAFFIC SIGNAL LOOP REPLACEMENT: TRAFFIC SIGNAL DETECTOR LOOPS THAT ARE DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH NEW DETECTOR LOOPS IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS AND PROVISIONS. THE DETECTOR LOOP REPLACEMENT WORK SHALL BE PERFORMED BY A LOCAL QUALIFIED CONTRACTOR WITH EXPERIENCE IN THE INSTALLATION OF DETECTOR LOOPS. (CAL-WEST LIGHTING & SIGNAL MAINTENANCE, AEGIS ITS, ST. FRANCIS ELECTRIC, BEAR ELECTRIC SOLUTIONS, OR OTHER CITY APPROVED CONTRACTOR.) PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH ONE OR MORE OF THE ABOVE TRAFFIC SIGNAL CONTRACTORS TO REPLACE THE DAMAGED DETECTOR LOOPS.

59. TRAFFIC SIGNAL LOOP REPLACEMENT WITHIN 72 HOURS: ALL DAMAGED TRAFFIC SIGNAL DETECTION LOOPS SHALL BE REPLACED WITHIN 72 HOURS OF THEIR DAMAGE, UNLESS THE CITY GRANTS AN EXCEPTION. THIS REQUIRES PERMANENT PAVING OF TRENCHES TO BE INSTALLED PRIOR TO REPLACEMENT OF THE DETECTOR LOOPS.

BUS STOPS

60. BUS STOP OPERATIONS: THE CONTRACTOR'S WORK SHALL NOT INTERFERE WITH THE OPERATIONS OF EXISTING BUS STOPS, UNLESS THE CITY AND VALLEY TRANSPORTATION AGENCY GRANT AN EXCEPTION. IN ORDER FOR AN EXCEPTION TO BE GRANTED BY THE CITY, THE CONTRACTOR MUST APPLY FOR THE BUS STOP CLOSURE WELL IN ADVANCE OF THE CLOSURE AND SHOW GOOD CAUSE AT TO WHY THE CLOSURE OF THE BUS STOP IS NECESSARY. THE CONTRACTOR MAY BE REQUIRED TO CONSTRUCT A TEMPORARY BUS STOP OR INSTALL APPROPRIATE DETOUR SIGNS.

GARBAGE COLLECTION ROUTES

61. GARBAGE ROUTE OPERATIONS: FOR ANY WORK ON OR ADJACENT TO GARBAGE AND RECYCLING COLLECTION ROUTES, THE CONTRACTOR SHALL ALLOW GARBAGE TRUCKS TO SAFELY PASS THROUGH THE CONTRACTOR'S SITE AT ALL TIMES, UNLESS AN EXCEPTION IS GRANTED BY THE CITY.

SITE RESTORATION

62. MINIMIZE DAMAGE TO LANDSCAPE: EXISTING LANDSCAPE WITHIN THE AREA OF WORK SHALL BE CAREFULLY REMOVED AND REPLACED WITH MINIMAL DAMAGE.

63. SITE RESTORATION: THE CONTRACTOR SHALL RETURN THE PRIVATE YARDS, SIDEWALKS, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES, PUBLIC OR PRIVATE, DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAT EXISTED PRIOR TO COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL MAKE A REASONABLE EFFORT TO RESTORE EACH PRIVATE YARD DISTURBED BY THE WORK WITHIN ONE WEEK AFTER THE WORK IS COMPLETED ON THE SAME YARD EXCEPT WHERE THE CITY'S INSPECTOR AGREES THAT FOR CONSTRUCTION REASONS, THE 1 WEEK REQUIREMENT MAY BE EXTENDED.

PROJECT SPECIFIC NOTES:

MISCELLANEOUS

1. AERIAL PHOTOS SHOWN WERE TAKEN IN FEBRUARY 2015. FEATURES SHOWN ON THE AERIAL PHOTOS ARE FOR INFORMATION ONLY AND MAY HAVE CHANGED SINCE PHOTOS WERE TAKEN. THE PHOTOS ARE NOT RECTIFIED AND MAY HAVE VARYING LEVELS OF DISTORTION. PHOTO SCALE IS APPROXIMATE.
2. SEE SPECIFICATION SECTION SP-7 AND SP-8 FOR WORK RESTRICTIONS AND CONDITIONS.
3. BUS ROUTES ARE LOCATED ALONG SHOWERS DRIVE AND SAN ANTONIO ROAD. THE CONTRACTOR SHALL CONTACT SANTA CLARA VALLEY TRANSPORTATION AUTHORITY AT LEAST THIRTY (30) DAYS IN ADVANCE OF CONSTRUCTION AND COORDINATE WORK IN AREAS THAT WILL AFFECT ACCESS TO BUS STOPS OR IMPACT BUS ROUTES.
4. CONTRACTOR SHALL NOTIFY ENGINEER WHERE THE WORK MIGHT CAUSE SURVEY MONUMENTS TO BECOME DISTURBED OR DESTROYED. CONTRACTOR SHALL PROVIDE A LICENSED LAND SURVEYOR TO SET REFERENCES AND RESTORE SURVEY MONUMENTS IN ACCORDANCE WITH COUNTY AND CITY STANDARDS.
5. CONTRACTOR SHALL FIELD VERIFY THE LENGTH AND EXISTING PIPE DIAMETER OF EACH REACH PRIOR TO ORDERING PIPE.
6. CONTRACTOR SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS. PRESENCE OR ABSENCE OF INSPECTOR WILL NOT RELIEVE CONTRACTOR OF FULL RESPONSIBILITY FOR PROPER PERFORMANCE OF WORK.
7. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL MATERIALS THAT ARE TO BE REMOVED FROM THE SITE INCLUDING, SURPLUS EXCAVATION MATERIALS AND DEBRIS. CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE, NEAT, AND ORDERLY CONDITION. THE CONTRACTOR SHALL DELIVER MATERIALS OR EQUIPMENT TO BE SALVAGED AND RETURNED TO THE OWNER AT THE LOCATION TO BE DETERMINED BY THE ENGINEER.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN CONSTRUCTION AREAS AS REQUIRED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COMPLIANCE WITH ADDITIONAL PUBLIC SAFETY REQUIREMENTS WHICH MAY ARISE DURING CONSTRUCTION.
9. AT A MINIMUM, EXISTING SEWERS TO BE REALIGNED AND ABANDONED WITHIN 2 FEET HORIZONTALLY OF REALIGNED SEWER SHALL BE REMOVED. THE REMAINING SEWER PIPE TO BE ABANDONED IN PLACE SHALL BE PLUGGED WITH 24-INCHES (2-FEET) OF CONCRETE.

SANITARY SEWER

10. DIMENSIONS SHOWN ON PLANS ARE TO THE CENTERLINE OF PIPE AND/OR MANHOLES, UNLESS OTHERWISE NOTED.
 11. ALL MANHOLES SHALL BE 48" IN DIAMETER, UNLESS OTHERWISE SHOWN. ALL MANHOLE INTERIORS SHALL BE COATED PER SPECIFICATION SECTION 07160.
 12. ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS MUST BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICE CONNECTIONS. MORTAR AND BRICKS OR MECHANICAL DEVICE PLUGS MUST BE USED; INFLATABLE DEVICES ARE NOT SATISFACTORY.
 13. DEWATERING SHALL BE PERFORMED AS NECESSARY TO PROVIDE A STABLE TRENCH BOTTOM FOR PLACEMENT OF SEWER FACILITIES.
- PERMITS
14. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL OBTAIN AND PAY FOR SEPARATE ENCROACHMENT PERMITS FROM THE CITY OF PALO ALTO. PRIOR TO BEGINNING OF CONSTRUCTION, A MEETING SHALL BE ARRANGED WITH REPRESENTATIVES OF THE CITY OF PALO ALTO AND THE CONTRACTOR TO EVALUATE EXISTING IMPROVEMENT CONDITIONS IN THE VICINITY OF THE WORK. NOTES, VIDEOTAPES, ETC., WILL BE TAKEN AT THAT TIME BY THE CONTRACTOR AND THE CITY TO VERIFY EXISTING CONDITIONS. IF AFTER COMPLETION OF CONSTRUCTION, THERE IS EVIDENCE OF DAMAGE TO ANY IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, THE STRUCTURAL SECTION OF PAVEMENT(S), CONCRETE, ETC., RESULTING FROM CONSTRUCTION, THE CONTRACTOR SHALL REPAIR SUCH DAMAGE AS DIRECTED BY THE CITY AND AS REQUIRED BY THE ENGINEER OF THE AGENCY HAVING JURISDICTION. IT SHOULD BE NOTED THAT PROJECTS OF THIS NATURE AT OTHER LOCATIONS INVOLVING THE USE OF HEAVY EQUIPMENT ON RESIDENTIAL STREETS HAVE CAUSED SUBSTANTIAL DAMAGE TO THE EXISTING STREET STRUCTURAL SECTION, RESULTING IN SUBSTANTIAL REQUIRED REPAIRS. THE CONTRACTOR SHALL NOT BE PAID FOR REPLACING DAMAGED IMPROVEMENTS CAUSED BY THE CONTRACTORS ACTIVITIES.

15. CONTRACTOR SHALL SUBMIT ACCESS PERMITS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING WORK ON ANY CITY FACILITIES. ADDITIONAL ACCESS PERMITS WILL BE REQUIRED PRIOR TO WORK ON SEWER SYSTEM. SEE PROJECT SPECIFICATIONS.

UTILITIES

16. THE LOCATIONS OF UNDERGROUND UTILITIES WERE TAKEN FROM THE RECORDS OF THE CONTROLLING AGENCIES. NO RESPONSIBILITY FOR THEIR ACCURACY IS ASSUMED BY THE ENGINEER AND/OR THE CONTROLLING AGENCIES. NOT ALL UTILITY SERVICES TO INDIVIDUAL PARCELS ARE SHOWN. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES PER SP-11.
17. CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS FOR POTENTIAL CONFLICT AND PROTECT AS NECESSARY BEFORE CONSTRUCTING NEW SEWERS AND LATERALS.
18. CONTRACTOR SHALL NOTIFY THE OWNER OF ANY UTILITY POLES OR OVERHEAD WIRES REQUIRING RELOCATION OR SUPPORT IN ORDER TO CONSTRUCT THE PROJECT. CONTRACTOR SHALL COORDINATE RELOCATION OR SUPPORT WITH THE OWNER OF THE UTILITY AND EITHER PROVIDE RELOCATION OR SUPPORT, OR COORDINATE RELOCATION OR SUPPORT BY THE OWNER'S FORCES, AS REQUIRED BY THE OWNER OF THE UTILITY AT NO ADDITIONAL COST TO THE CITY.
19. CONTRACTOR SHALL ADHERE TO ALL GUIDELINES AS DEFINED IN THE STATE OF CALIFORNIA GENERAL ORDER 95 FOR PG&E. ADEQUATE CLEARANCE MUST BE MAINTAINED FROM HIGH VOLTAGE TRANSMISSION AND LOW VOLTAGE POWER LINES. CONTRACTOR SHALL FIELD VERIFY OVERHEAD CLEARANCES AS PART OF PLANNING WORK NEAR THESE FACILITIES.

TRAFFIC CONTROL

20. SEE THE SPECIAL PROVISIONS, CITY OF MOUNTAIN VIEW STANDARD SPECIFICATIONS, AND TECHNICAL SPECIFICATIONS FOR TRAFFIC CONTROL REQUIREMENTS.
21. CONTRACTOR SHALL SUBMIT AN ENGINEERED TRAFFIC CONTROL PLAN FOR APPROVAL TO THE CITY OF MOUNTAIN VIEW AT LEAST FOUR (4) WEEKS IN ADVANCE OF CONSTRUCTION. REFER TO THESE PLANS AND THE SPECIAL PROVISIONS FOR RESTRICTIONS REGARDING TRAFFIC LANE RESTRICTIONS AND SP-8 FOR WORK HOUR RESTRICTIONS. SEE SPECIFICATION SECTION SP-16 FOR RESTRICTIONS REGARDING TRAFFIC LANE RESTRICTION.

FLOW-DIVERSION AND SEWAGE FLOW CONTROL

22. SEE TECHNICAL SPECIFICATIONS SECTION 02245 FOR INFORMATION ON SEWAGE FLOW CONTROL.
23. ABOVE GRADE PUMPS AND OR MOTOR PACKAGES USED FOR BYPASS PUMPING SHALL INCLUDE SOUND ATTENUATION ENCLOSURES. ATTENUATION LEVELS SHALL MEET CITY REQUIREMENTS AS SPECIFIED IN CITY SPECIFICATION SECTION GP-18.
24. CONTRACTOR TO DETERMINE ALL LOCATIONS OF BYPASS PIPELINES, SUCTION POINTS AND DISCHARGE POINTS. LOCATIONS OF BYPASS PIPELINE AND CONNECTIONS ARE SUBJECT TO APPROVAL DURING REVIEW OF THE BYPASS PLANS.

SAFETY

25. WARNING! THE EXISTING SANITARY SEWERS ARE KNOWN TO HAVE HIGH CONCENTRATIONS OF TOXIC AND/OR EXPLOSIVE GASES. OTHER PIPELINES MAY ALSO HAVE TOXIC AND/OR EXPLOSIVE GASES. SEWER WASTEWATER MAY CONTAIN INFECTIOUS AND/OR CONTAGIOUS DISEASES AND THE CONTRACTOR SHALL OBSERVE ALL NECESSARY PRECAUTIONS.
26. MANHOLE ENTRY AND/OR ENTRY TO ANY EXCAVATION GREATER THAN FOUR (4) FEET DEEP SHALL BE IN FULL COMPLIANCE WITH THE CONFINED SPACE ENTRY REQUIREMENTS OF CALIFORNIA AND FEDERAL OSHA.
27. FOR CONFINED SPACE REQUIREMENTS, SEE SPECIFICATIONS SECTIONS GP-17 AND GP-20 OF THE SPECIFICATIONS.
28. COMPLY WITH CONFINED SPACE ENTRY REQUIREMENTS OF CAL-OSHA AND THE CITY OF MOUNTAIN VIEW (SEE SPECIFICATIONS). CONTRACTOR SHALL SUBMIT SAFETY PLAN, COMPLY WITH ALL STATE AND COUNTY LAWS AND ORDINANCES RELATING TO SAFETY AND CHARACTER OF WORK, EQUIPMENT AND LABOR PERSONNEL. THIS SHALL INCLUDE, BUT NOT LIMITED TO SHORING OF TRENCHES, VENTILATION OF CONFINED SPACES, CONFORMANCE TO TRAFFIC CONTROL REQUIREMENTS, INCLUDING PROVISION AND MAINTENANCE OF BARRICADES, TRENCH COVERS, AND PREPARATION AND IMPLEMENTATION OF TRAFFIC CONTROL PLANS AS REQUIRED.

SANTA CLARA COUNTY CONSTRUCTION NOTES (FOR INTERSECTION OF ALMA STREET AND SAN ANTONIO AVENUE)

EROSION AND SEDIMENT CONTROL NOTES:

1. THE UTILITY COMPANY, THEIR EMPLOYEES, SUBCONTRACTORS, AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT OF WAY THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS INTO THE SANTA CLARA COUNTY ROAD RIGHT OF WAY, STORM SEWER WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - a.PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN/STAGING AREAS.
 - b.PREVENTION OF TRACKING OF MUD, DIRT AND CONSTRUCTION MATERIALS ONTO PUBLIC ROAD RIGHT OF WAY, AND
 - c.PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY.
2. THE UTILITY COMPANY, THEIR EMPLOYEES, SUBCONTRACTORS, AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT OF WAY.

PERMANENT MONUMENTS/ MONUMENT PRESERVATION:

THE LANDOWNER, CONTRACTOR AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING, ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL CLOSE-OUT OF THE ENCROACHMENT PERMIT BY THE ROADS & AIRPORTS INSPECTOR.

IMPROVEMENT PLAN CONSTRUCTION NOTES:

ALL WORK IN THE COUNTY ROAD RIGHT OF WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT – I.E. RETAINING WALLS, DRIVEWAY APPROACHES, TEMPORARY CONSTRUCTION ENTRANCES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ALL UTILITY OPERATIONS (RELOCATIONS, REPLACEMENTS, ABANDONMENTS, TEMPORARY FACILITIES, AND/OR NEW FACILITIES FOR CABLE, ELECTRIC, GAS, SEWER, WATER), ETC.

STANDARD LANGUAGE FOR ROADWAYS 'ROAD OPERATIONS'

1. THERE IS A 5-YR WARRANTY WHEN THE PROJECT IS COMPLETED (REFERENCE TO COUNTY ORDINANCE NS-7039, SECTION B17-36.4). COUNTY'S ROADS OPERATIONS ENGINEERING WILL BE THE ONE TO DETERMINE WHAT CONSTITUTE FAILURE BASED ON ACCEPTABLE INDUSTRY STANDARDS INCLUDING CRACKS AND SEPARATION IN THE MICROSURFACING, SETTLEMENT WHERE THE TRENCH REPAIRS TOOK PLACE, DAMAGED PAVEMENT EDGES ALONG THE TRENCHES ARE CONSIDERED FAILURES.
2. WHEN TRENCHING IS TO OCCUR ON COUNTY MAINTAIN ROADS, TRENCH PLATES ARE TO BE H-20 LOAD RATED, SKID RESISTANT, AND RECESSED FLUSH TO THE EXISTING PAVED SURFACE. CUT-BACK AND/OR COLD MIX WILL NOT BE ALLOWED AS TEMPORARY ROADWAY SURFACE BACKFILL IN TRAVELED WAYS UNLESS PRIOR APPROVAL IS GIVEN.
3. WHEN ANY PAVEMENT RESTORATION AT THIS SITE MUST BE CURB TO CURB/LANE LINE AND MICROSUFACED USING A TYPE II SLURRY MIX PER COUNTY STANDARDS, "111-12-.09 MICORSURFACING, TYPE II", THE MICRO-SURFACING MIXTURE SHALL BE OF THE PROPER CONSISTENCY AT ALL TIMES, SO AS TO PROVIDE THE APPLICATION RATE REQUIRED BY THE SURFACE CONDITION. THE AVERAGE SINGLE APPLICATION RATE, AS MEASURED BY THE COUNTY, SHALL BE 15 LB/SY(+/-1 LB/SY).
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING PAVEMENT TO LIKE OR BETTER CONDITION. ANY STRIPING IN COUNTY ROW SHALL BE THERMOPLASTIC AND REPLACED PER EXISTING STRIPING. ALL VERTICAL ASPHALT CUTS MUST BE TACK COATED PRIOR TO ASPHALT PLACEMENT.

STANDARD LANGUAGE FOR SIGNAL AND ELECTRICAL OPERATIONS

1. EXISTING COUNTY COMMUNICATION AND ELECTRICAL FACILITIES ARE LOCATED IN THE PROJECT AREA. COMMUNICATION FIBER OPTIC CABLE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE TEMPORARILY RESTORED AND THEN REPLACED IN ACCORDANCE WITH CSS 86.01.06 DAMAGED FIBER OPTIC CABLE SHALL BE REPLACED FOR THE ENTIRE LENGTH BETWEEN EXISTING END-TO-END SPLICES.
2. ANY DAMAGE TO EXISTING ELECTRICAL OR COMMUNICATION SYSTEM SUCH AS LOOP DETECTORS AND FIBER OPTICS SHALL BE TEMPORARILY RESTORED TO FULL OPERATION OR VIA MICROWAVE/VIDEO DETECTION IMMEDIATELY AND REPLACED PRIOR TO PROJECT CLOSURE.
3. ALL DESIGN WITHIN COUNTY'S RIGHT-OF-WAY SHALL COMPLY WITH COUNTY STANDARDS.
4. INFORMATION SHOWN ON AS-BUILT PLANS IS SUBJECT TO CHANGE. FIELD-VERIFY AND UPDATE CONDUCTOR SCHEDULE ACCORDINGLY. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE PERTAINING TO LOOPS/FIBER. CONTRACTOR SHALL REPLACE DETECTION LOOPS WITHIN 24HRS. IF DAMAGED. CONTRACTOR NEEDS TO PROVIDE TEMPORARY VIDEO DETECTION DURING THE CONSTRUCTION PERIOD, AND CALL USA BEFORE DIGGING.



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DATE: 6/24/2020



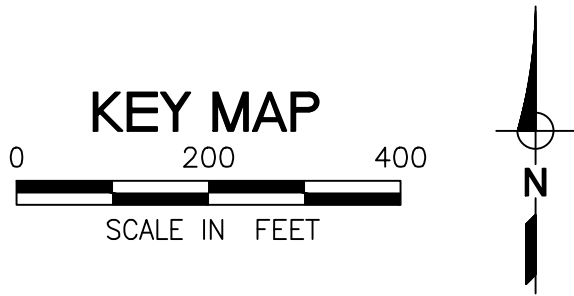
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DRAWN BY:		JHP	



CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 GENERAL NOTES 2		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G04 4 OF 13

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- NOTES:
1. CITY LIMITS AND PARCEL LINES ARE SHOWN FOR REFERENCE ONLY AND HAVE NOT BEEN SURVEYED.
 2. SPTC ROW NOT SURVEYED AND IS SHOWN FOR REFERENCE PER SPTC ROW MAP MP33-34_36016.

SURVEY CONTROL POINTS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
3000	1975526.78	6093737.68	40.95	CP2 2" BRONZE DISK IN MONUMENT WELL
3001*	1969769.57	6096593.88	92.16	CP3 2" BRONZE DISK IN MONUMENT WELL
3002*	1971978.26	6094036.85	76.79	BENCHMARK IV-25
3003	1973256.65	6095194.82	56.19	BENCHMARK IV-02
3004*	1972038.30	6101854.60	55.67	CP8 2" BRONZE DISK IN MONUMENT WELL

* THIS CONTROL POINT IS NOT SHOWN IN THE RESPECTIVE PLAN VIEW DUE TO ITS LOCATION. IT IS LOCATED TO THE EAST OUTSIDE OF THE CURRENT VIEW.

SURVEY NOTES:

1. FIELD WORK CONDUCTED ON SEPTEMBER 5-8, 2017 AND JUNE 4-6, 2018.
2. COORDINATES SHOWN ARE CCS83, ZONE3, BASED ON THE CITY OF MOUNTAIN VIEW "VERTICAL AND HORIZONTAL SURVEY CONTROL NETWORK, DATED OCTOBER 2010 (UPDATE), HOLDING CONTROL POINTS PC2 (#3000), PC3 (#3001) AND PC8 (#3004) FOR THE HORIZONTAL ADJUSTMENT.
3. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD 88), HOLDING CITY OF MOUNTAIN VIEW BENCHMARKS IV-25 (#3002) AND IV-02 (#3003) FOR THE VERTICAL ADJUSTMENT.
4. COORDINATES AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FEET.
5. THE RIGHT-OF-WAY AND PROPERTY LINES SHOWN HEREON ARE PRELIMINARY IN NATURE, BASED UPON PUBLICLY AVAILABLE RECORD MAPS. THEY SHOULD NOT BE RELIED UPON AS DEFINITIVE AND DO NOT REPRESENT A BOUNDARY RESOLUTION. THESE LINES MAY CHANGE UPON COMPLETION OF A BOUNDARY SURVEY CONDUCTED BY A LICENSED SURVEYOR.
6. CONTRACTOR SHALL COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771 (B) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING MONUMENTS. WHETHER OR NOT MONUMENTS ARE SHOWN IN THESE PLANS.
7. CENTRAL EXPRESSWAY EAST OF SAN ANTONIO ROAD IS COUNTY OF SANTA CLARA RIGHT OF WAY. THE INTERSECTION AT ALMA STREET AND SAN ANTONIO ROAD IS MAINTAINED BY SANTA CLARA COUNTY AND WORK WITHIN THE INTERSECTION WILL REQUIRE A COUNTY ENCROACHMENT PERMIT. CONSTRUCTION ACTIVITIES AFFECTING TRAFFIC ON CENTRAL EXPRESSWAY WILL REQUIRE A COUNTY OF SANTA CLARA TRAFFIC HANDLING PERMIT.



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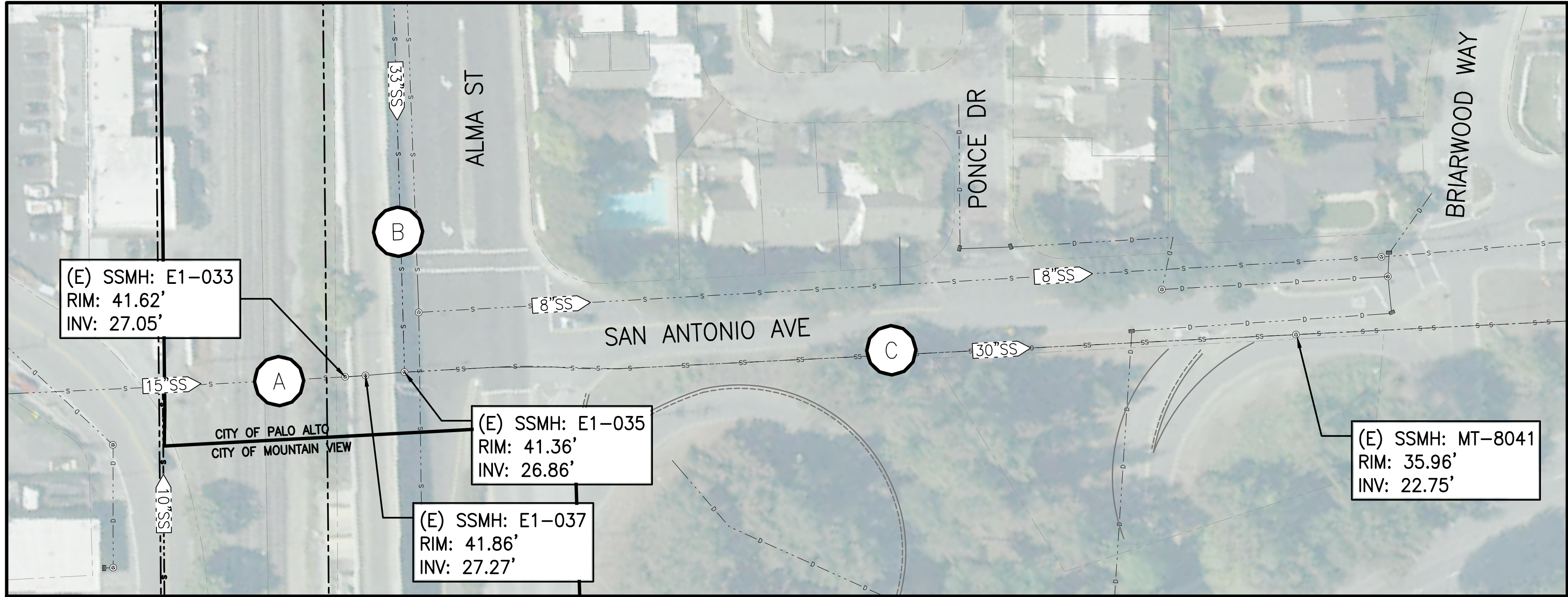
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CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 KEY MAP AND SURVEY NOTES		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G05 5 OF 13

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BYPASS NOTES FOR LOS ALTOS TRUNK:

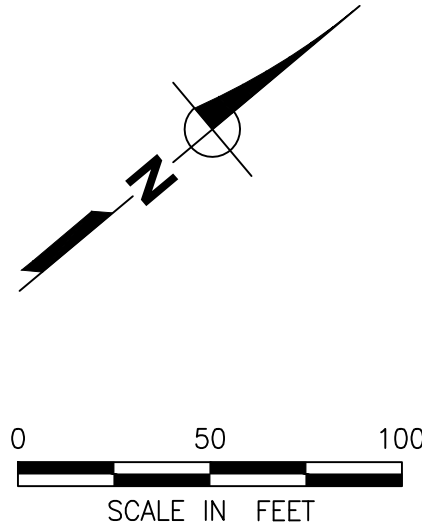
1. THE BYPASS SYSTEM SHALL INCLUDE ALL NECESSARY PUMPS, POWER SOURCES, APPURTENANCES, AND BYPASS PIPING NECESSARY TO MAINTAIN FLOWS AND SERVICES ALONG THE ENTIRE LOS ALTOS TRUNK SEWER.
2. THE CONTRACTOR SHALL SUBMIT A BYPASS PUMPING PLAN, SHOWN ON THE SAME PLAN AS THE TRAFFIC CONTROL PLAN, FOR EACH LOCATION AT LEAST 6 WEEKS PRIOR TO INSTALLATION. THE CONTRACTOR'S PLAN FOR THE SEWER BYPASSING SYSTEM SHALL HAVE RECEIVED FAVORABLE REVIEW BY BOTH THE CITY OF MOUNTAIN VIEW AND THE CITY OF LOS ALTOS BEFORE THE CONTRACTOR PROCEEDS TO INSTALL THE SYSTEM. THE BYPASS PUMPING PLAN SHALL INCLUDE HEADLOSS AND PUMPING CALCULATIONS PREPARED BY A CALIFORNIA LICENSED ENGINEER.
3. PUMPS, PIPING, AND APPURTENANCES SHALL BE SUITABLE FOR USE WITH SEWAGE AND BE SUITABLE FOR THE DESIGN PRESSURES. PLUGS SHALL INCLUDE TETHERS.
4. THE PUMPED SEWAGE SHALL BE IN AN ENCLOSED HOSE OR PIPE THAT IS ADEQUATELY PROTECTED FROM TRAFFIC, AND SHALL BE REDIRECTED INTO A SANITARY SEWER SYSTEM. DUMPING OR FREE FLOW OF SEWAGE ON PRIVATE PROPERTY, GUTTERS, STREETS, SIDEWALKS, OR INTO STORM SEWERS IS PROHIBITED.
5. BYPASSING SHALL BE DONE IN SUCH A MANNER AS NOT TO DAMAGE PRIVATE OR PUBLIC PROPERTY, OR CREATE A NUISANCE OR PUBLIC MENACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS INCLUDING CONSTANT MONITORING (7 DAYS / 24 HOURS PER DAY) OF BYPASS SYSTEM TO ASSURE THAT PRIVATE RESIDENCES OR PROPERTIES ARE NOT SUBJECTED TO A SEWAGE BACKUP OR SPILL. THE CONTRACTOR SHALL BE LIABLE FOR ALL CLEANUP, DAMAGES, AND RESULTANT FINES IN THE EVENT OF A SPILL.
6. IF BUILDING SEWERS ARE DISCONNECTED FROM THE MAIN, PROVIDE TEMPORARY STORAGE FOR THE SEWAGE FROM THE BUILDING OR CONVEY BY GRAVITY TO A SEWER. PUMP OUT THE TEMPORARY STORAGE TO A SEWER OR HONEY WAGON AS NEEDED TO ASSURE THE CAPACITY IS NOT EXCEEDED, BUT NOT LESS THAN ONCE A DAY.
7. PROVIDE BACKUP PUMPING CAPACITY EQUAL TO AT LEAST THE DESIGN FLOW. BACKUP PUMP(S) SHALL BE INSTALLED ON THE BYPASS PIPING SYSTEMS AND CONNECTED TO THE POWER SOURCE, READY FOR USE IF THE PRIMARY PUMP(S) FAIL.
8. LEAKAGE TESTING: PRIOR TO PUMPING SEWAGE, THE BYPASS PIPING SYSTEMS SHALL BE SUCCESSFULLY PRESSURE TESTED WITH POTABLE WATER AT A PRESSURE EQUAL TO AT LEAST 125 PERCENT OF THE MAXIMUM WORKING PRESSURE FOR A PERIOD OF AT LEAST TWENTY (20) MINUTES WITH NO LEAKAGE. TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE CITY OF LOS ALTOS' INSPECTOR. PROVIDE AT LEAST FOUR HOURS' NOTICE TO THE CITY OF LOS ALTOS INSPECTOR.
9. THE CONTRACTOR SHALL NOTIFY THE CITY OF LOS ALTOS, THE CITY OF MOUNTAIN VIEW, AND THE ENGINEER TWENTY-FOUR (24) HOURS PIOR TO COMMENCING THE SANITARY SEWER BYPASS PUMPING OPERATION.
10. THE CONTRACTOR SHALL CONTINUOUSLY MONITOR (7 DAYS / 24 HOURS PER DAY) THE BYPASS PUMPING SYSTEM AND MANHOLES UPSTREAM OF THE BYPASS TO VERIFY THAT IT IS OPERATING PROPERLY AND NOT LEAKING. THE CONTRACTOR SHALL KEEP A LOG OF PUMPING OPERATIONS, AND NOTE ANY UNUSUAL CONDITIONS AND CORRECTIVE MEASURES THEREIN.
11. MAINTAIN THE BYPASS IN OPERATION UNTIL THE PROPOSED SEWER IMPROVEMENTS HAVE BEEN INSTALLED, INSPECTION IS COMPLETED, AND WORK IS APPROVED BY THE CITY OF MOUNTAIN VIEW.
12. AFTER THE WORK IS COMPLETED, RESTORE THE FLOW TO THE LOS ALTOS TRUNK SEWER, DISMANTLE AND REMOVE THE BYPASS SYSTEM, AND REPAIR ANY DAMAGE TO STREETS AND LANDSCAPING TO THE SATISFACTION OF THE CITY OF PALO ALTO.

NOTES:

1. SUBMIT SCHEMATIC PLAN OF SEWER SYSTEM FOR USE IN DEVELOPMENT OF SEWER BYPASS PLAN. SEE SPECIFICATION SECTION 02245.
2. ALL SEWAGE FLOW CONTROL SHALL BE PERFORMED BY CONTRACTOR.
3. ALL BYPASS PIPING SHALL BE 100 PERCENT LEAK FREE.
4. LIMITED FLOW DATA IS SHOWN BELOW. BYPASS SHALL BE DESIGNED TO HANDLE 125% OF PDWF SHOWN AT A MINIMUM.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAY RAMPS, SIDEWALKS, SIDEWALK TRANSITIONS, CROSSWALKS, STREET CROSSING, AND OTHER LOCATIONS TO ALLOW UNOBSTRUCTED CROSSINGS BY PEDESTRIANS, BICYCLES, AND VEHICLES.
6. PIPING SUBJECT TO TRAFFIC LOADS SHALL BE PROTECTED WITH PIPE RAMPS OR HOSE HOLDERS SUFFICIENT FOR H2O LOADING. PEDESTRIAN RAMPS SHALL BE PROVIDED WHERE PIPING CROSSES SIDEWALKS.
7. PROTECT ALL BYPASS PIPING IN PUBLIC RIGHT OF WAY WITH TYPE II BARRICADES WITH FLASHERS CONFORMING TO CALTRANS STANDARD SPECIFICATIONS. PLACE BARRICADES 3- FEET FROM PIPES AND SPACE 25- FEET ON CENTER.
8. SEE SPECIFICATIONS FOR REQUIREMENTS FOR NOISE-ATTENUATED GENERATORS AND PUMPING EQUIPMENT.

EXISTING FLOW DATA		
REACH	EXISTING DIAMETER (INCHES)	PEAK DRY WEATHER FLOW
A	15	0.5523 MGD
B	33	9.216 MGD*
C	30	9.7683 MGD

*THE REACH B VALUE SHOWN IN THE TABLE WAS PROVIDED BY THE CITY OF LOS ALTOS



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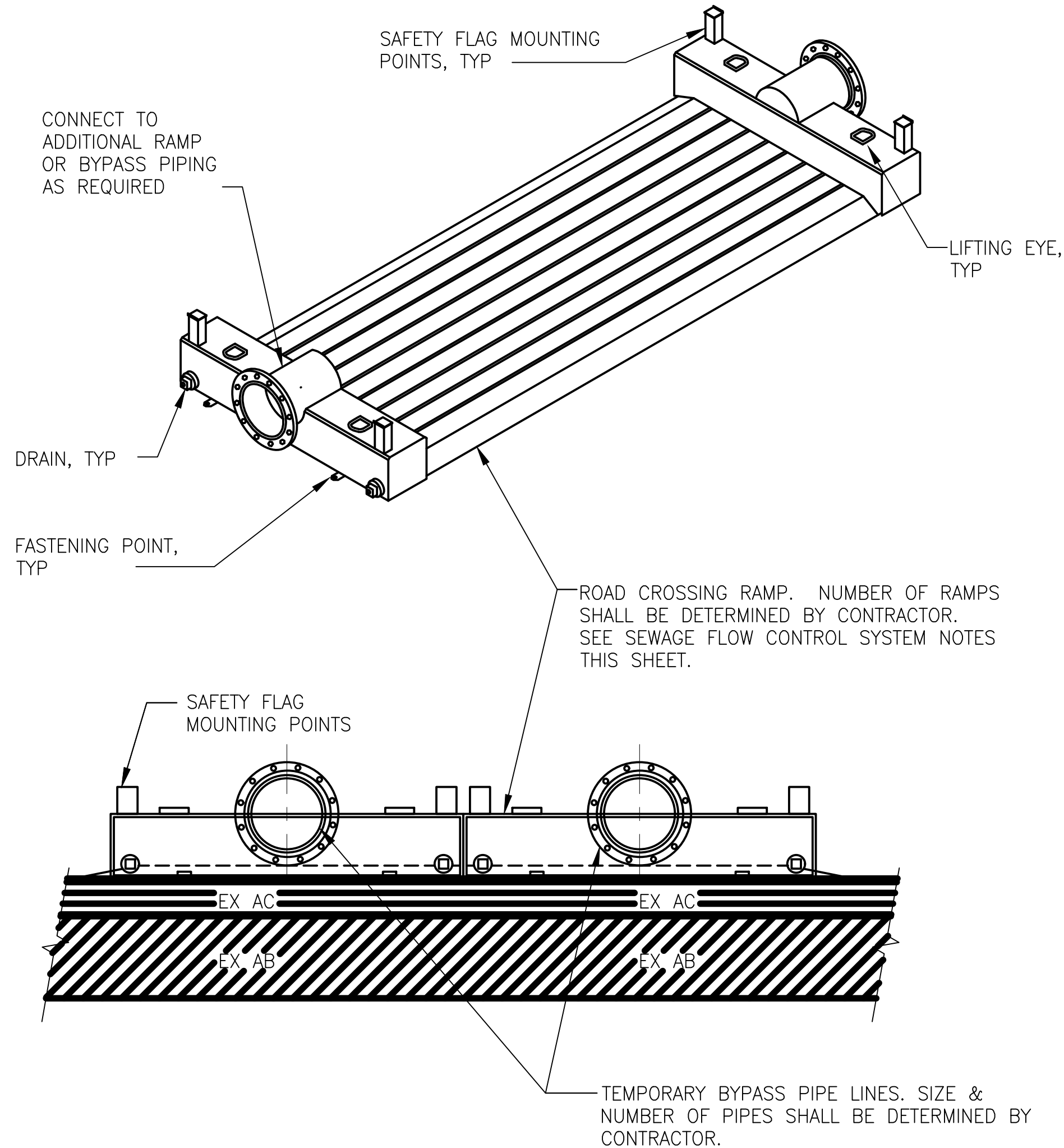
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CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 BYPASS PLAN		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G06 6 OF 13

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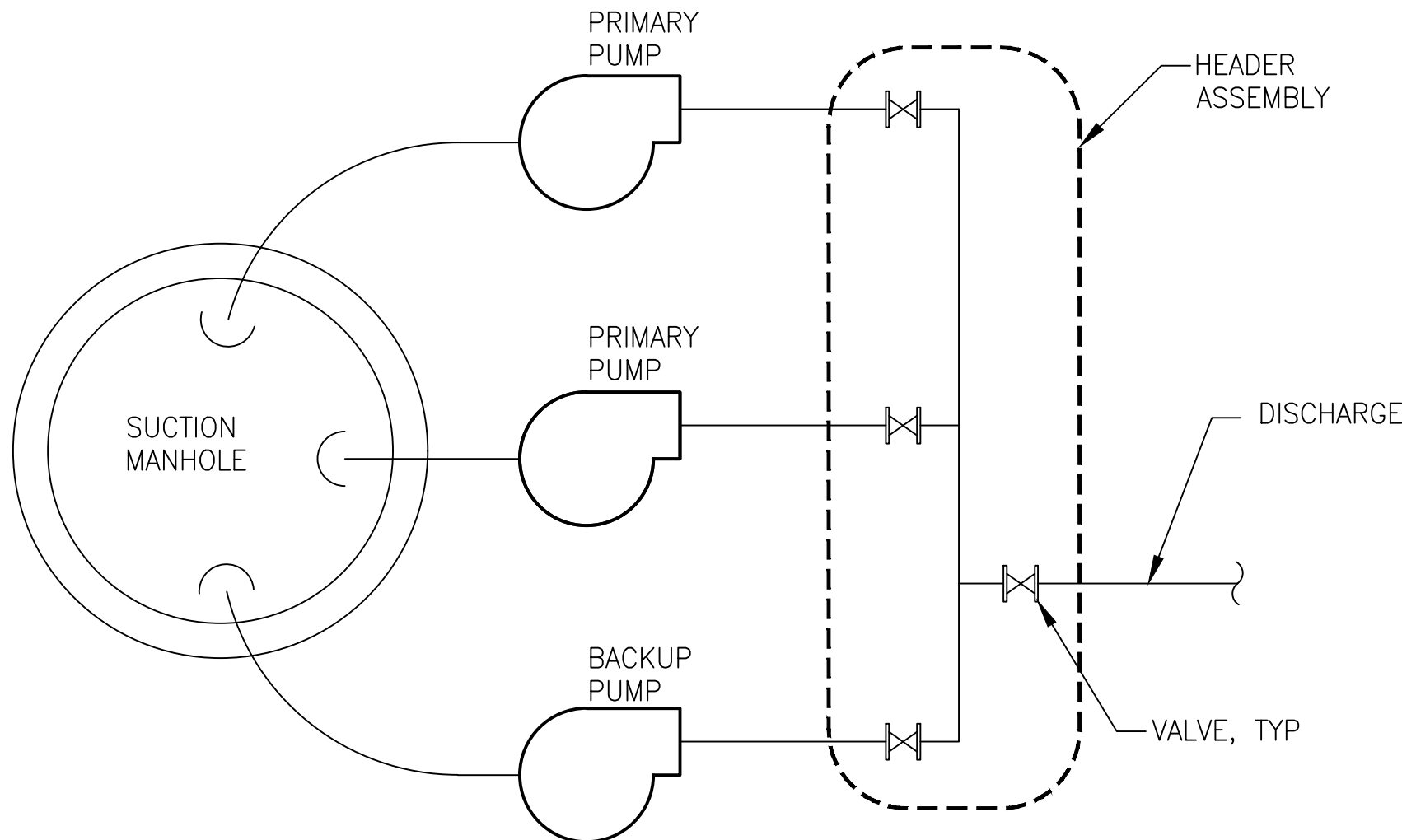
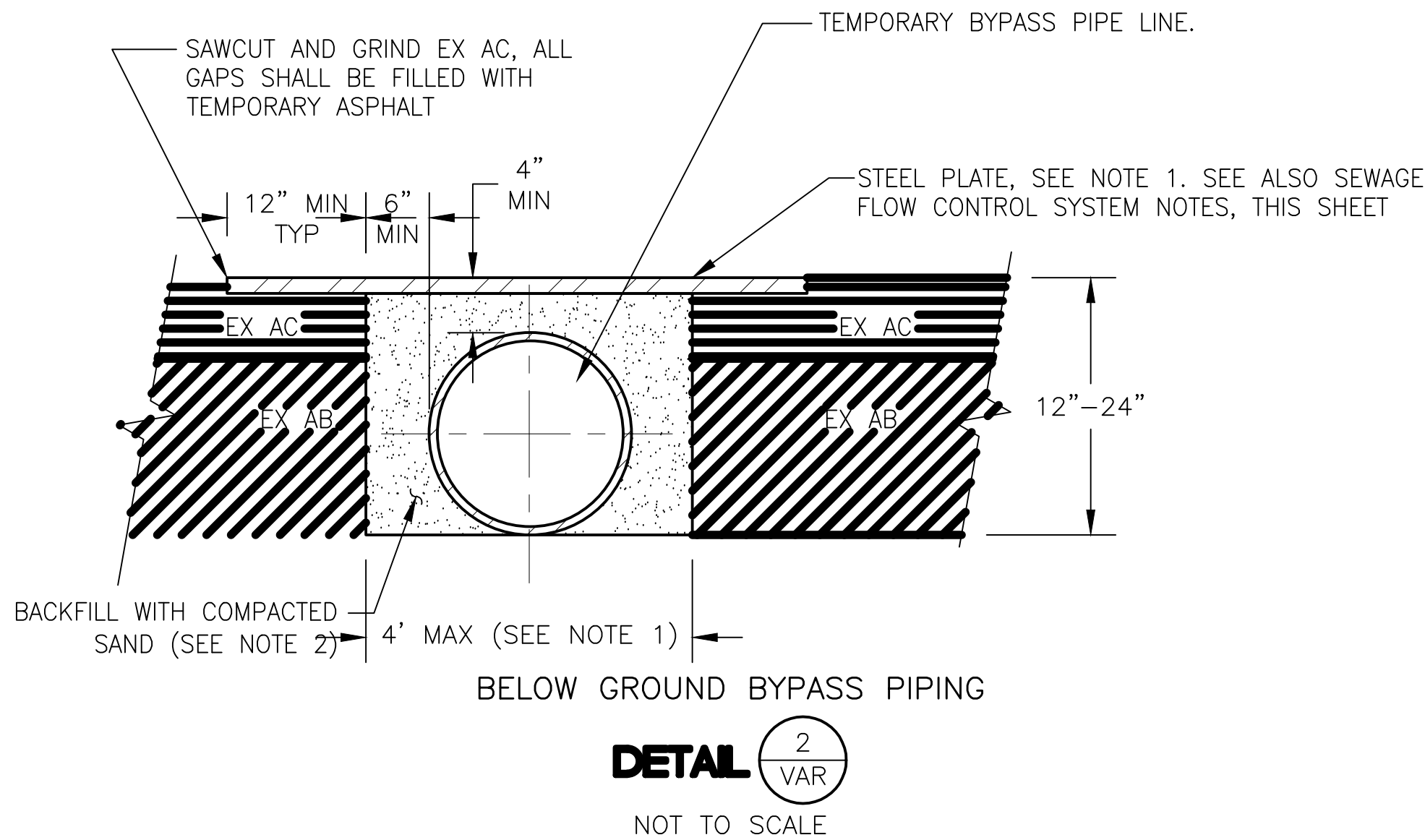
1. THIS IS AN EXAMPLE OF A ROAD CROSSING PIPE RAMP. ACTUAL RAMPS MAY VARY IN SIZE, STYLE AND/OR DESIGN. PROVIDE SEPARATE RAMPS FOR EACH LANE OF TRAFFIC. PROVIDE SEPARATE RAMPS FOR PEDESTRIAN TRAFFIC, IF REQUIRED BY AGENCY HAVING JURISDICTION. RAMP LAYOUT SHALL BE INCLUDED FOR APPROVAL AS PART OF THE TRAFFIC CONTROL PLAN.
2. CONTRACTOR SHALL SUBMIT DRAWINGS FOR RAMP INSTALLATIONS WITH BYPASS PUMPING PLANS AND TRAFFIC CONTROL PLANS TO THE CITY AND AGENCY HAVING JURISDICTION FOR APPROVAL AS SPECIFIED IN SPECIFICATION SECTION 02245. RAMPS ALLOWED ON SIDE STREETS ONLY WITH APPROVAL BY THE AGENCY HAVING JURISDICTION.
3. ROAD CROSSING RAMP SHALL BE H20 TRAFFIC RATED AND SHALL BE RATED FOR POSTED SPEED LIMIT.
4. LOCATION OF RAMPS, BARRICADES, SIGNAGE, ETC SHALL BE SHOWN ON THE TEMPORARY BYPASS PLAN SUBMITTED BY THE CONTRACTOR FOR REVIEW/APPROVAL PRIOR TO STARTING WORK.
5. CONTRACTOR SHALL SECURE RAMP TO PREVENT SLIDING AND EXCESS NOISE CREATED FROM VEHICULAR TRAFFIC.
6. RAMP SHALL HAVE PRESSURE RATING SUFFICIENT TO HANDLE BYPASS PUMP PRESSURES.
7. CONTRACTOR SHALL LIMIT THE DISTURBANCE TO PAVEMENT CAUSED BY THE INSTALLATION OF THE RAMPS. IF DAMAGED, CONTRACTOR SHALL RESTORE PAVEMENT AS SPECIFIED IN SPECIFICATION SECTION 5.
8. PEDESTRIAN AND/OR BIKE TRAFFIC SHALL NOT BE IMPEDED AT ANY SIDEWALK OR BIKE PATH LOCATION. RAMPS SHALL BE INSTALLED TO MAINTAIN ACCESS.

ABOVE GROUND BYPASS PIPING RAMP

DETAIL 1
VAR
NOT TO SCALE

NOTES:

1. 1" STEEL PLATES REQUIRED FOR ALL TRENCHES 4' WIDE OR LESS. CONTRACTOR SHALL PROVIDE DESIGN CALCULATIONS, STAMPED BY ENGINEER REGISTERED IN THE STATE OF CALIFORNIA FOR PLATES SPANNING WIDTH GREATER THAN 4'. SEE SEWAGE FLOW CONTROL SYSTEM NOTES 4 THROUGH 6 PER THIS SHEET
2. BACKFILL WITH COMPACTED SAND MAY BE OMITTED UNDER THE FOLLOWING CONDITIONS:
 - A. TRENCH IS DETERMINED TO BE STABLE BY A COMPETENT PERSON OR PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR.
 - B. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PAVEMENT DUE TO TRENCH FAILURE.
 - C. TRENCHES PARALLEL TO STREET SHALL BE LOCATED AS CLOSE AS POSSIBLE TO LIP OF GUTTER AND NOT IN WHEEL PATH.



NOTES:

1. BACKUP PUMP MUST MEET SAME SPECIFICATIONS AS LARGEST PRIMARY PUMP.
2. PUMPS AND BYPASS PIPELINES TO BE SIZED BY CONTRACTOR AND APPROVED BY CITY ENGINEER.
3. THE NUMBER OF PUMPS SHOWN IS APPROXIMATE.

DETAIL 3
VAR
NOT TO SCALE

SEWAGE FLOW CONTROL SYSTEM NOTES:

1. ALL SEWAGE FLOW CONTROL SHALL BE PERFORMED BY CONTRACTOR AS SPECIFIED IN SPECIFICATION SECTION 02245. ALL BYPASS PLANS SHALL BE SUBMITTED FOR APPROVAL SIX (6) WEEKS PRIOR TO CONSTRUCTION. DIVERSION OF THE FLOW UPSTREAM OF WORK SHALL BE PROVIDED BY THE CONTRACTOR.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, DRIVEWAY RAMPS, SIDEWALKS, SIDEWALK TRANSITIONS, CROSSWALKS, STREET CROSSINGS, AND OTHER LOCATIONS TO ALLOW UNOBSTRUCTED CROSSINGS BY PEDESTRIANS, BICYCLES, AND VEHICLES. USE OF BYPASS ROAD CROSSING PIPE RAMPS WILL BE ON A CASE BY CASE BASIS AND SUBJECT TO CITY OR COUNTY APPROVAL. PEDESTRIAN RAMPS SHALL COMPLY WITH AMERICANS WITH DISABILITIES ACT REQUIREMENTS. WHERE BYPASS ROAD CROSSING PIPE RAMPS ARE USED, THEY SHALL BE INSTALLED PER DETAIL 1 ON THIS SHEET. WHERE PIPE MUST BE BELOW GROUND, IT SHALL BE BURIED PER DETAIL 2 ON THIS SHEET.
3. SEWAGE FLOW CONTROL EQUIPMENT, PIPING AND PROTECTION MEASURES SHALL BE SHOWN ON CONTRACTOR'S TRAFFIC CONTROL PLANS.
4. MULTIPLE PLATES SHALL BE SET FLUSH TO THE SUBSEQUENT PLATES, BUTTED TO EACH OTHER, AND TACK WELDED TOGETHER.
5. STEEL PLATE BRIDGING SHALL BE INSTALLED TO OPERATE WITH MINIMUM NOISE BY RECESSING PLATES IN PAVEMENT AND FILLING ALL VOIDS WITH CUTBACK.
6. STEEL PLATES USED IN THE TRAVELED WAY SHALL HAVE A SURFACE THAT WAS MANUFACTURED WITH NORMAL COEFFICIENT OF FRICTION (COF) OF 0.35. NON-SKID SURFACES SHALL BE MAINTAINED FOR DURATION OF CONSTRUCTION.
7. BYPASS SYSTEM SHALL BE DESIGNED TO CARRY 100% OF FLOWS SHOWN ON THE DRAWINGS. SEE SPECIFICATION SECTION 02245 FOR STANDBY EQUIPMENT REQUIREMENTS.
8. PROTECT ALL ABOVE-GRADE PIPING FOR BYPASSING SIDE SEWERS (SEWERS LESS THAN 15" DIAMETER) WITH TYPE II BARRICADES WITH FLASHERS CONFORMING TO CALTRANS STANDARD SPECIFICATIONS. PLACE BARRICADES 3- FEET FROM PIPES AND SPACE 25- FEET ON CENTER.
9. PROTECT ALL ABOVE-GRADE PIPING FOR BYPASSING TRUNK LINE SEWERS (SEWERS 15-INCH DIAMETER OR GREATER) IN ROADWAYS WITH K-RAIL OR APPROVED ALTERNATE. PROVIDE TAPER AND CRASH CUSHIONS PER CALIFORNIA MUTCD. K-RAIL NOT REQUIRED FOR BYPASS PIPELINES LOCATED ON MEDIANS.
10. TRENCHING SHALL OCCUR IN ACCORDANCE WITH THE TRENCH SECTION SHOWN ON THESE PLANS. AFTER REMOVAL OF PIPING, CONTRACTOR SHALL BACKFILL TRENCH AND RESTORE PAVEMENT IN ACCORDANCE WITH CITY OF PALO ALTO STANDARDS.
11. SEE SPECIFICATION SECTION 02245 FOR REQUIREMENTS FOR NOISE-ATTENUATED GENERATORS & PUMPING EQUIPMENT.
12. CONTRACTOR TO INSTALL PIPES TO AVOID IMMOVABLE OBJECTS SUCH AS TREES, SIGNS, AND POLES.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ABOVE GROUND PIPELINES TO ENSURE THEY STAY IN PLACE.
14. SURCHARGING WILL NOT BE ALLOWED.
15. ALL BYPASS PIPING SHALL BE 100% LEAK FREE.
16. UNLESS INDICATED OTHERWISE, PROVIDE 12" MIN. VERTICAL CLEARANCE BETWEEN BURIED BYPASS FACILITIES AND EXISTING UTILITIES.



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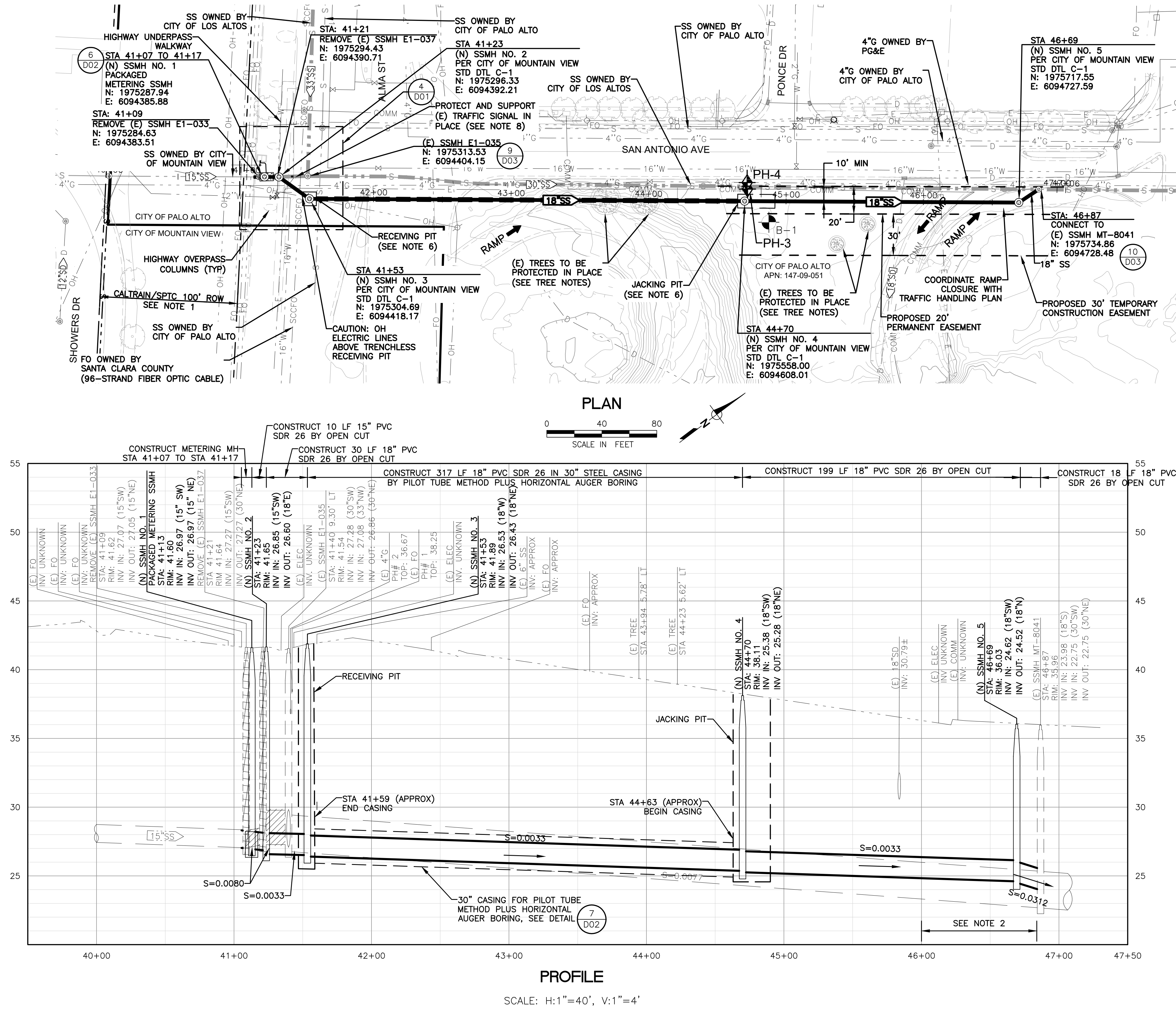
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CITY OF MOUNTAIN VIEW, CALIFORNIA PUBLIC WORKS DEPARTMENT 500 CASTRO STREET, MOUNTAIN VIEW, CA 94041		
CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 BYPASS DETAILS 1		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: G07 7 OF 13

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- NOTES:
- SPTC ROW NOT SURVEYED AND IS SHOWN FOR REFERENCE PER SPTC ROW MAP MP33-34_36016.
 - RAMP CLOSURES MAY BE REQUIRED DURING CONSTRUCTION PERIOD COORDINATE RAMP CLOSURE WITH TRAFFIC HANDLING PLAN.
 - THE INTERSECTION OF ALMA STREET AND SAN ANTONIO AVENUE IS MAINTAINED BY THE COUNTY OF SANTA CLARA. SEE SANTA CLARA COUNTY CONSTRUCTION NOTES ON DRAWING G04. SAN ANTONIO AVENUE IS OWNED BY THE CITY OF PALO ALTO. TRENCH PAVING, AND BACKFILL ALONG SAN ANTONIO AVE. SHALL BE PER CITY OF PALO ALTO STANDARD DETAILS 401 AND 403.
 - ALMA STREET/SAN ANTONIO AVE INTERSECTION IS MAINTAINED BY SANTA CLARA COUNTY AND WILL REQUIRE A COUNTY OF SANTA CLARA ENCROACHMENT PERMIT.
 - ANY WORK AFFECTING TRAFFIC ON CENTRAL EXPRESSWAY WILL REQUIRE A COUNTY OF SANTA CLARA TRAFFIC HANDLING PERMIT.
 - JACKING AND RECEIVING PITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL SUBMIT DETAILED PIT LOCATIONS AND DESIGN INFORMATION PER CONTRACT DOCUMENTS. COORDINATE AND POTHOLE EXISTING NEARBY UTILITIES PRIOR TO INSTALLATION OF SHORING.
 - CITY BOUNDARIES SHOWN ARE APPROXIMATE.
 - PROTECT AND SUPPORT EXISTING TRAFFIC SIGNAL. COORDINATE WITH THE CITY OF PALO ALTO AND INCLUDE SUBMITTAL TO SHOW HOW TRAFFIC SIGNAL FOUNDATION WILL BE PROTECTED DURING EXCAVATION.

POTHOLE TABLE				
PH#	DESCRIPTION	GROUND ELEV	DEPTH TO TOP OF PIPE	TOP OF PIPE ELEV
3	2-4" ATT	38.37	44"	34.70
4	4" G (PG&E)	38.37	45"	34.62

- TREE NOTES:
- EXISTING TREES SHALL BE PROTECTED IN PLACE IN ACCORDANCE WITH THE CITY OF PALO ALTO TREE TECHNICAL MANUAL AND SPECIAL TREE PROTECTION INSTRUCTION SHEET INCLUDING FENCING. CIRCLES SHOWN ON PLANS SHOW APPROXIMATE "TREE PROTECTION ZONES."
 - CONTRACTOR SHALL PROVIDE AN ARBORIST TO BE ON SITE DURING EXCAVATION NEAR TREE PROTECTION ZONES. DAMAGED ROOTS 2 INCHES OR LARGER SHALL BE CUT BACK BY THE ARBORIST.
 - CONTACT CITY OF PALO ALTO (JACOB TRONIC; 650-903-6259) TO ARRANGE FIELD MEETING TWO WEEKS PRIOR TO EXCAVATION IN THE PROJECT AREA



QA/QC REVIEW: KLV
DATE: 6/24/2020



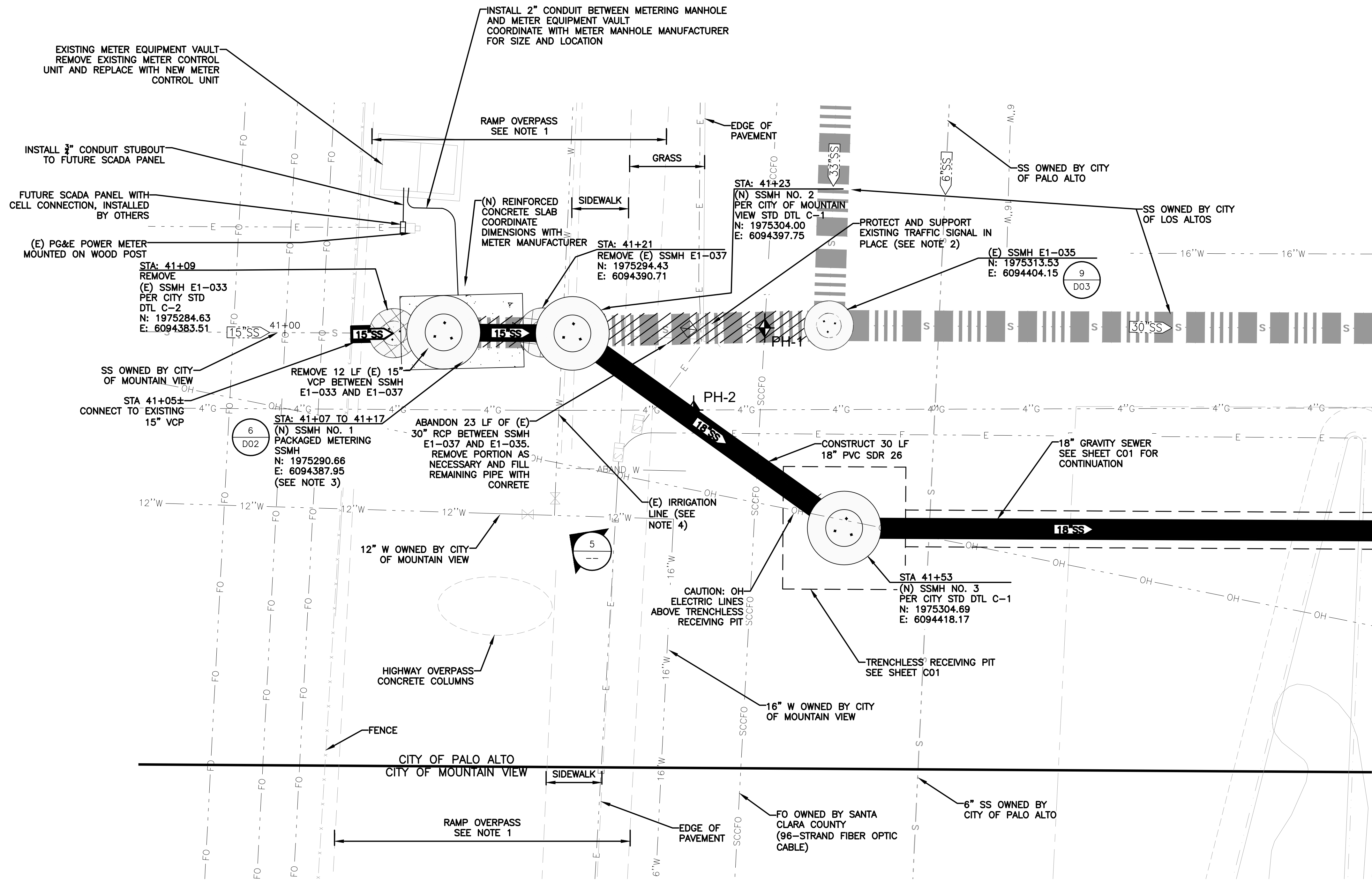
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DRAWN BY:	JHP		



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CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 SAN ANTONIO DR PLAN AND PROFILE STA 40+00 TO STA 47+00		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: C01 8 OF 13

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- NOTES:
1. RAMP OVERPASS LOCATION. LIMITED CLEARANCE BETWEEN GROUND SURFACE AND UNDERSIDE OF RAMP. SEE DETAIL 2.
 2. PROTECT AND SUPPORT EXISTING TRAFFIC SIGNAL. COORDINATE WITH THE CITY OF PALO ALTO AND INCLUDE SUBMITTAL TO SHOW HOW TRAFFIC SIGNAL FOUNDATION WILL BE PROTECTED DURING EXCAVATION.
 3. PACKAGED METERING MANHOLE WITH 9-INCH PARSHALL FLUME. SEE SPECIFICATIONS.
 4. EXISTING IRRIGATION LINE IS LIKELY NOT IN SERVICE. CONTRACTOR TO CONFIRM WITH CITY OF MOUNTAIN VIEW STAFF DURING CONSTRUCTION. IF ACTIVE, CITY STAFF WILL COORDINATE RELOCATION.



DETAIL 5

DETAIL 4
C01
SCALE: 1"=5'



POTHOLE TABLE				
PH#	DESCRIPTION	GROUND ELEV	DEPTH TO TOP OF PIPE	TOP OF PIPE ELEV
1	FIBER OPTIC	41.42	38"	38.25
2	4" GAS	41.42	57"	36.67



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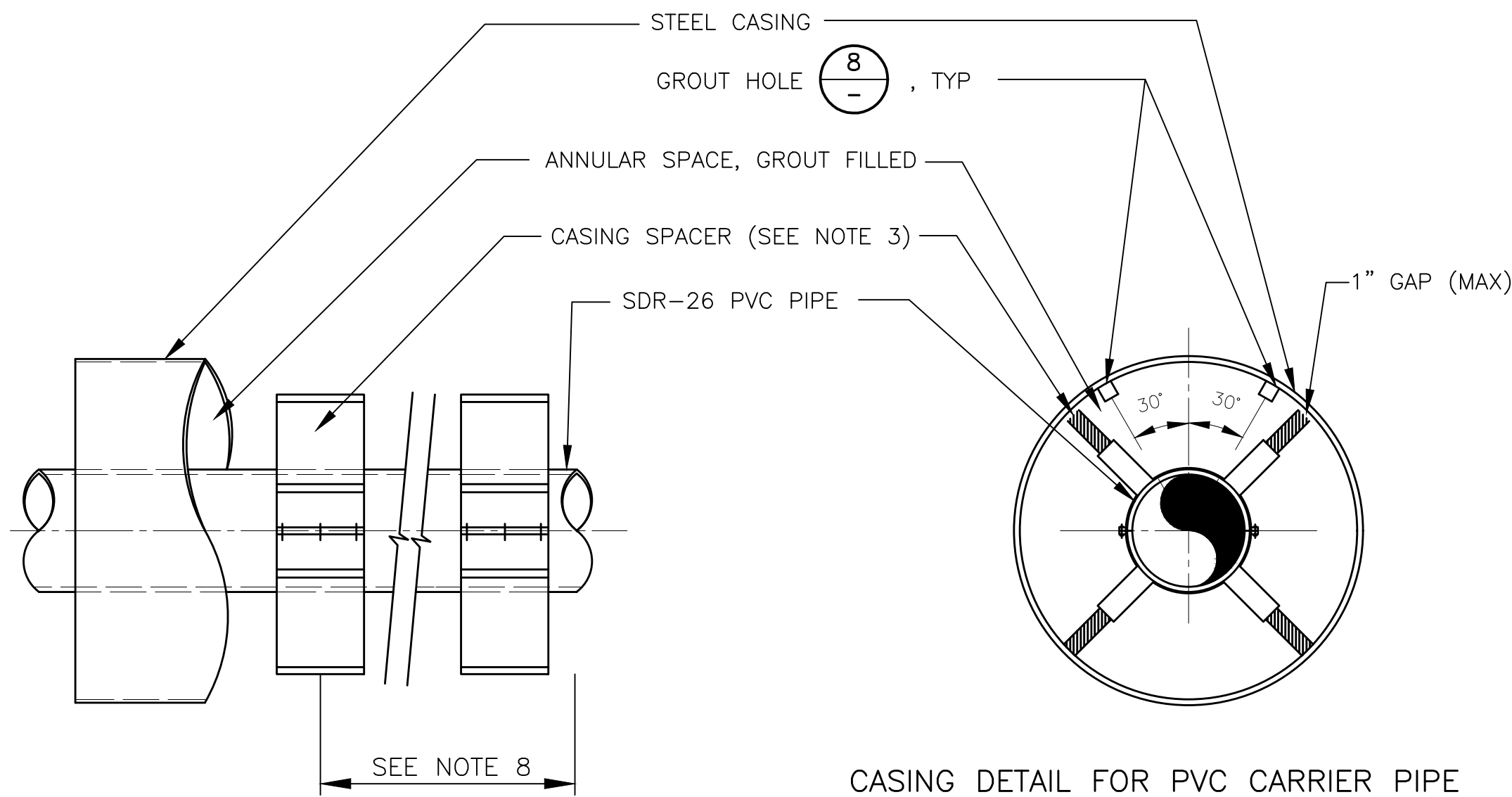
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CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 CIVIL DETAILS 1		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: D01 9 OF 13

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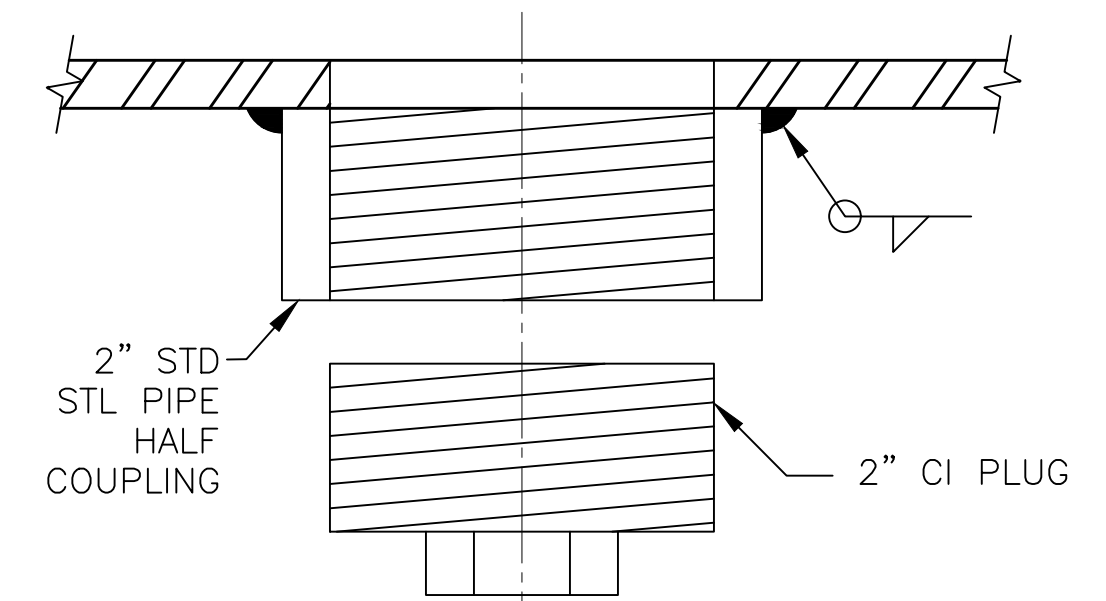


CASING DETAIL FOR PVC CARRIER PIPE

DETAIL (7) (C01)
NOT TO SCALE

NOTES:

1. CASING SHALL BE STEEL, ASTM A139, GRADE B, MINIMUM 1/2" NOMINAL THICKNESS.
2. EACH CASING JOINT SHALL BE WELDED CONTINUOUSLY ALL AROUND.
3. TYPE 304 STAINLESS STEEL CASING SPACER WITH A MINIMUM OF 4 ABRASION RESISTANT RUNNERS. NUTS AND BOLTS SHALL BE TYPE 304 STAINLESS STEEL. ONE INCH MAX GAP BETWEEN RUNNERS AND CASING. END CASING SPACERS SHALL BE NO MORE THAN 1 FOOT FROM END OF CASING.
4. WOOD SKIDS ARE NOT ACCEPTABLE.
5. CASING SHALL BE INSTALLED BY GUIDED BORING METHOD.
6. ANNULAR SPACE BETWEEN INSIDE OF CASING AND OUTSIDE OF CARRIER PIPE SHALL BE FILLED WITH GROUT OR REMAIN EMPTY AS SHOWN ON CASING INSTALLATION SCHEDULE.
7. END SEAL SHALL BE 1/8" THICK NEOPRENE RUBBER WITH TYPE 316 STAINLESS STEEL STRAPS. TYPE 'S' END SEAL MANUFACTURED BY PSI CASING, TOPAZ, OR APPROVED EQUAL.
8. CASING SPACERS SHALL BE PLACED AT MAXIMUM 8 FT ON CENTER. THERE SHALL BE A MINIMUM OF TWO SPACERS PER PIPE LENGTH.

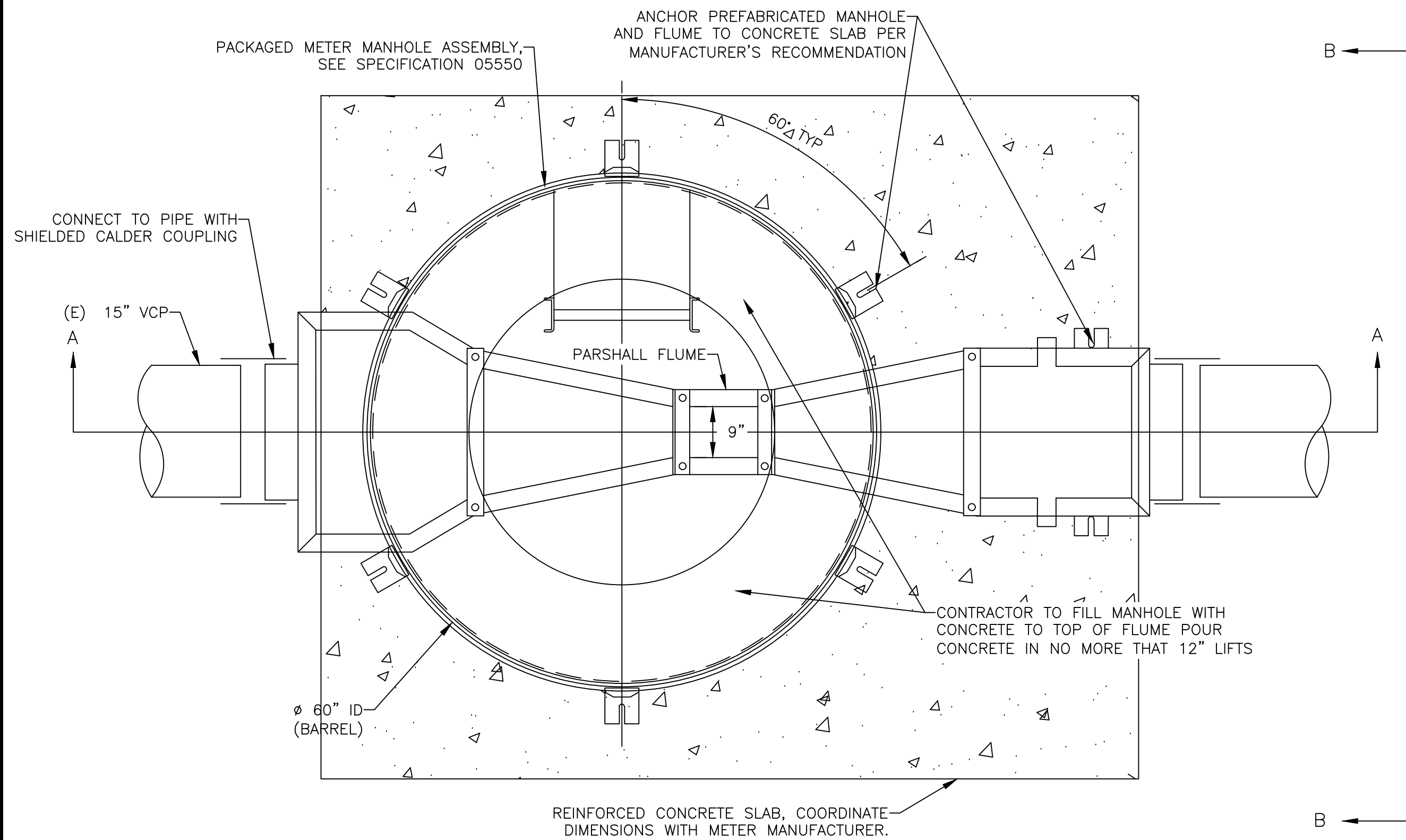


NOTES:

1. GROUT HOLES MAY BE TAPPED OR FLAT FLANGED BY STEEL CASING MANUFACTURER IN PLACE OF STANDARD STEEL HALF COUPLING.
2. PRESSURE GROUT ALL VOIDS BETWEEN EXCAVATION AND CASING PER SPECIFICATIONS.
3. PLACE GROUT HOLES AT 25 FT SPACING ALTERNATING LEFT AND RIGHT SIDE OF PIPE CROWN.

TYPICAL CONTACT GROUT HOLE

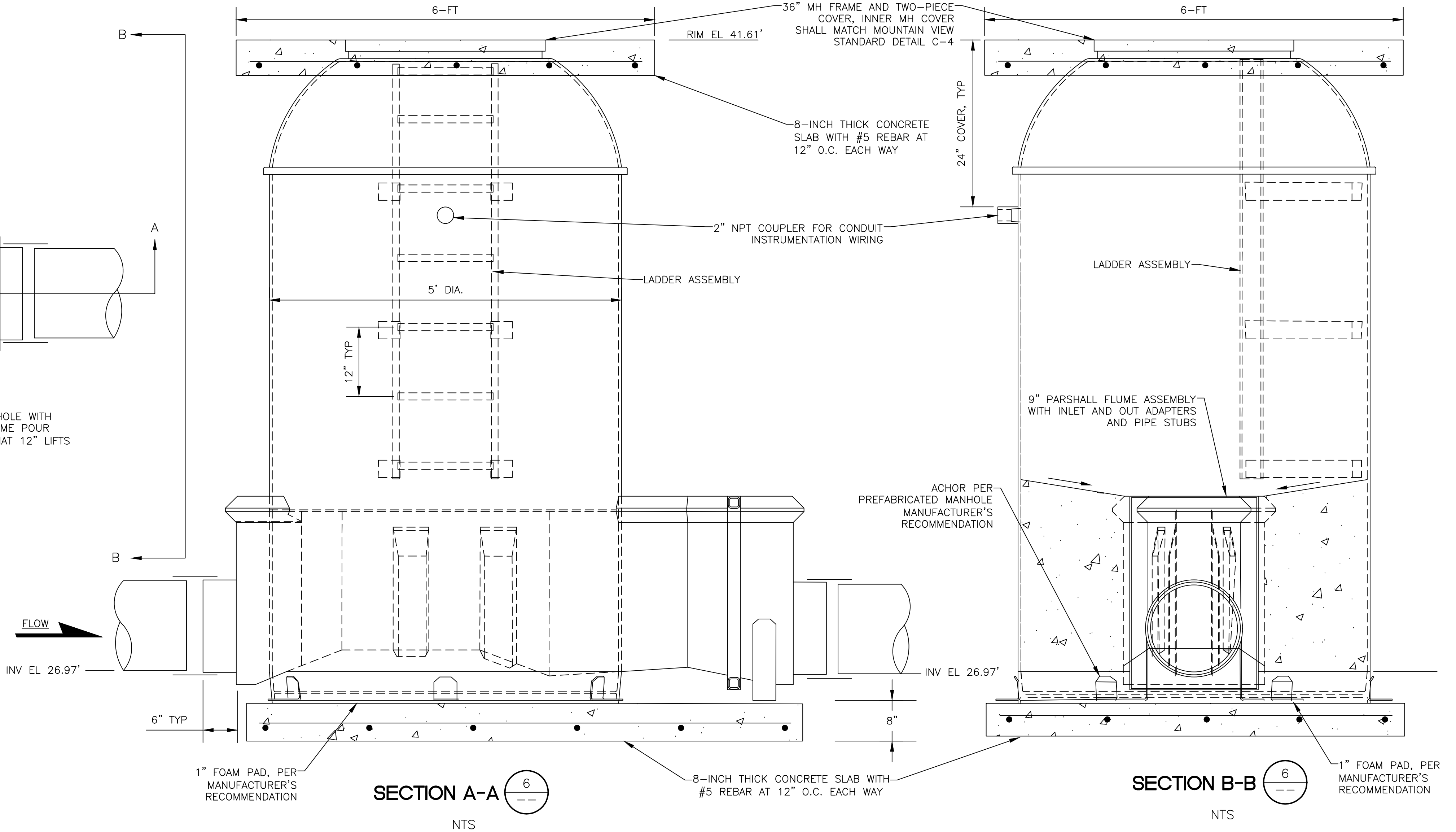
DETAIL (8) (C01)
NOT TO SCALE



DETAIL (6) (D01)
NTS

NOTES:

1. ALL BOLTS, NUTS, AND HARDWARE SHALL BE TYPE 316 STAINLESS STEEL
2. DIM PER MANUFACTURER'S RECOMMENDATIONS



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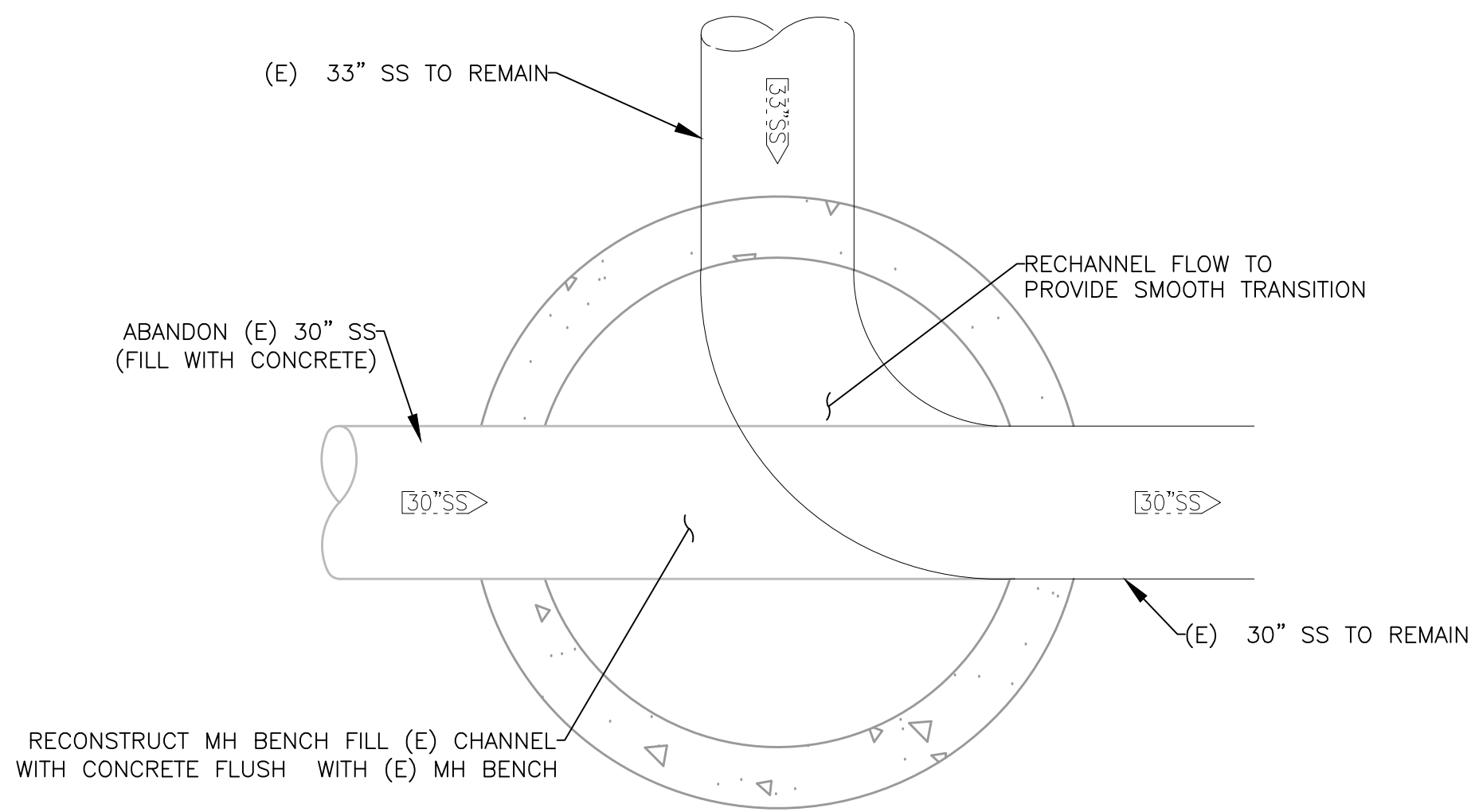
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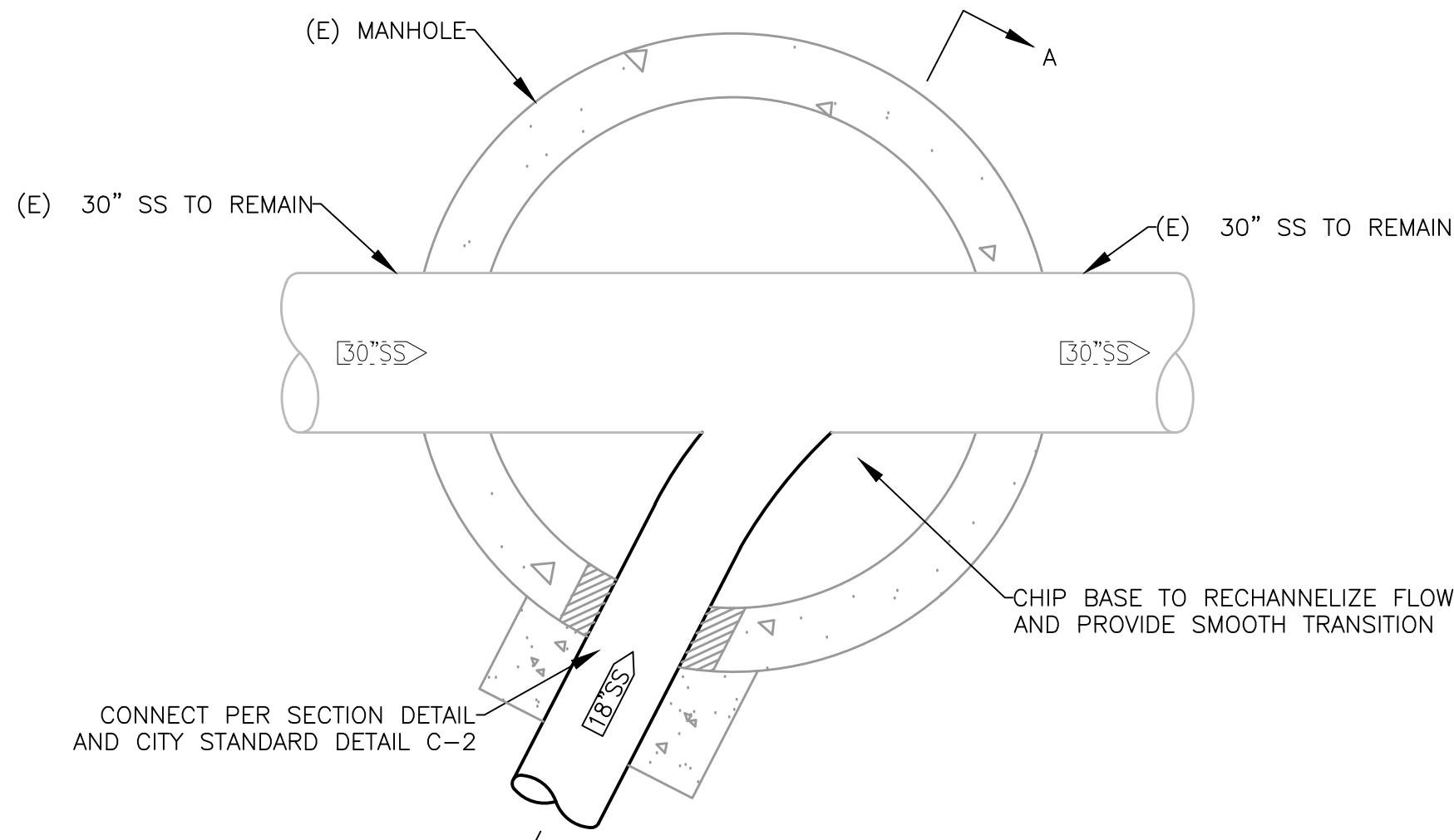


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CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 CIVIL DETAILS 2		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: D02 100F13

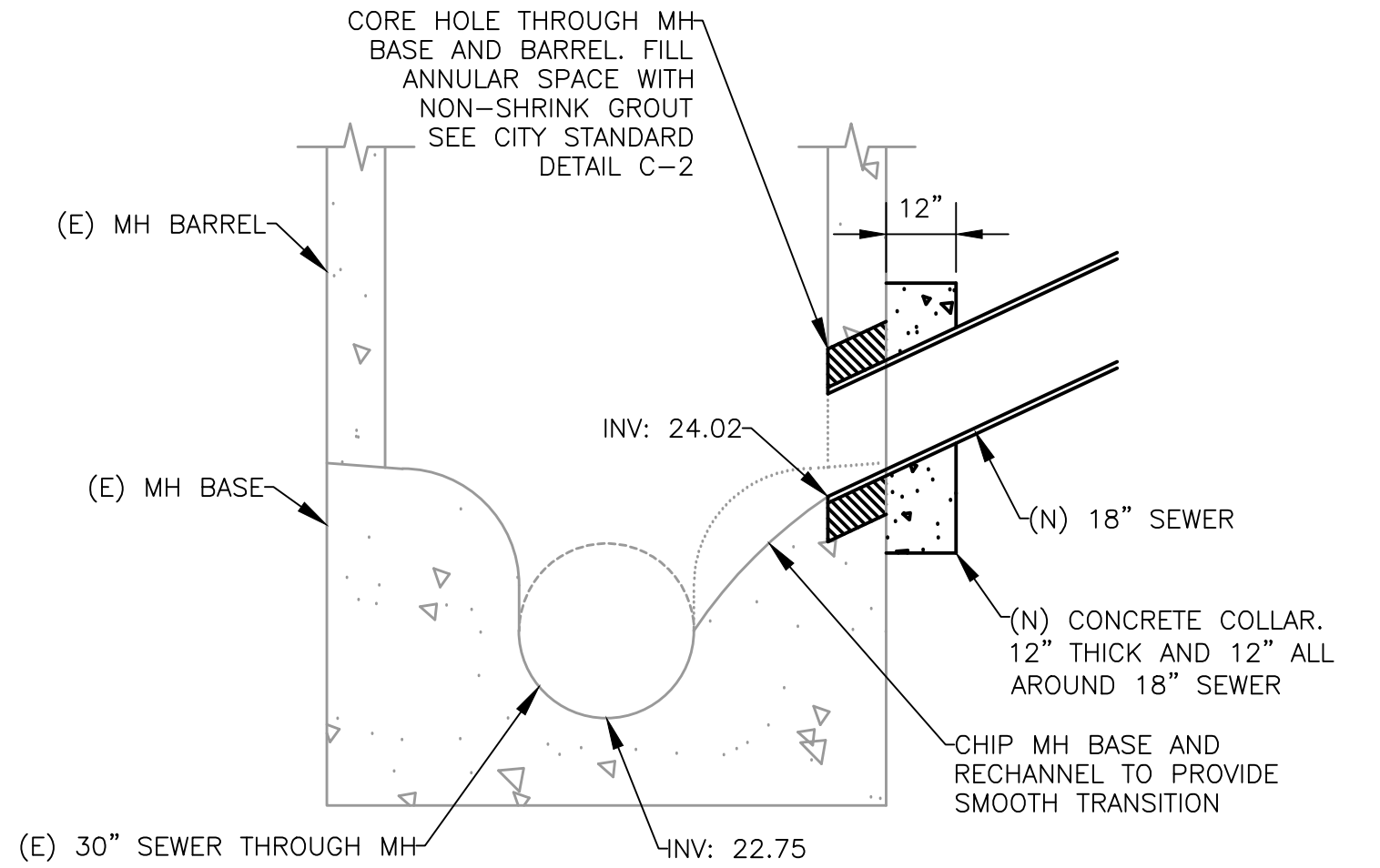
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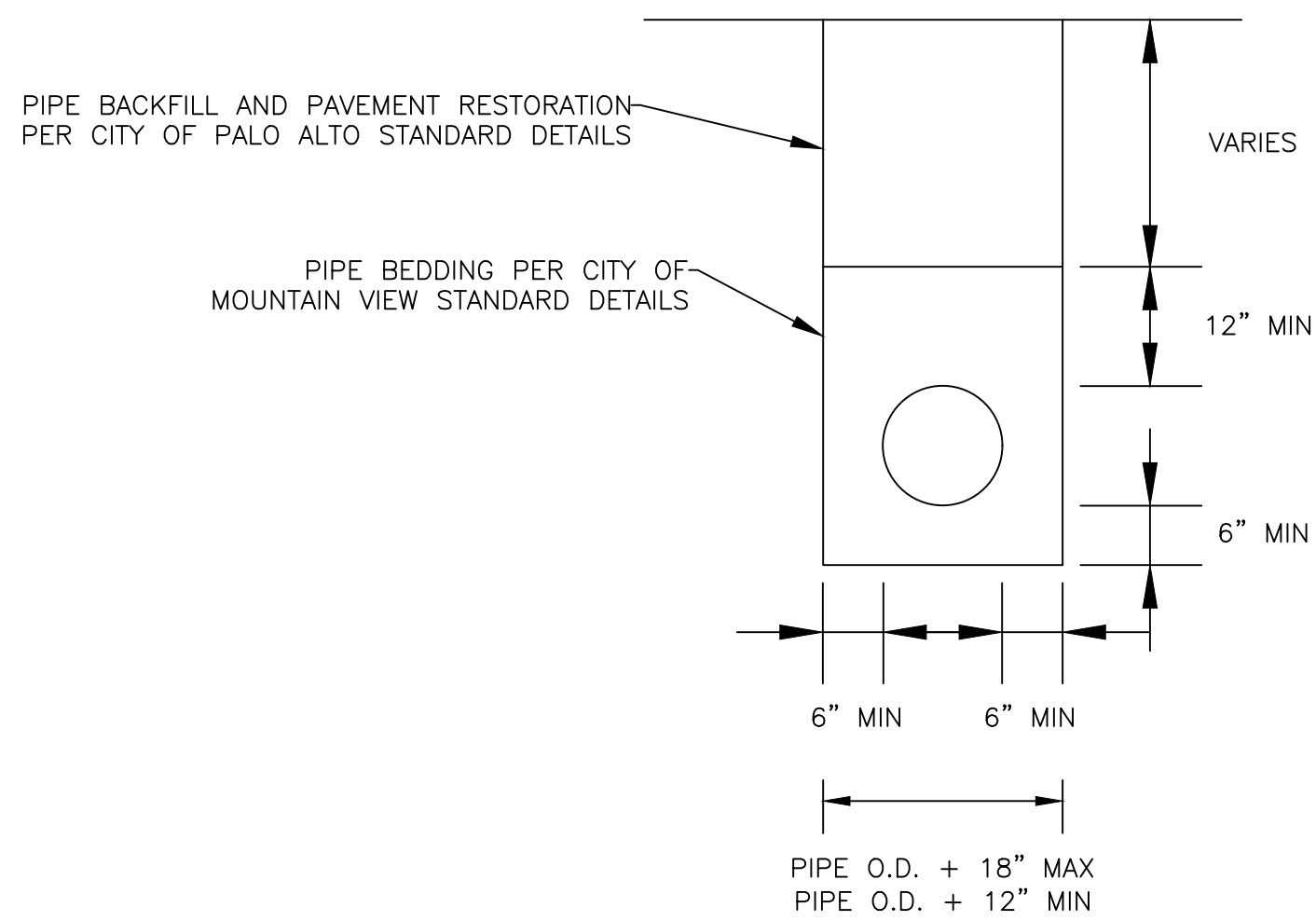
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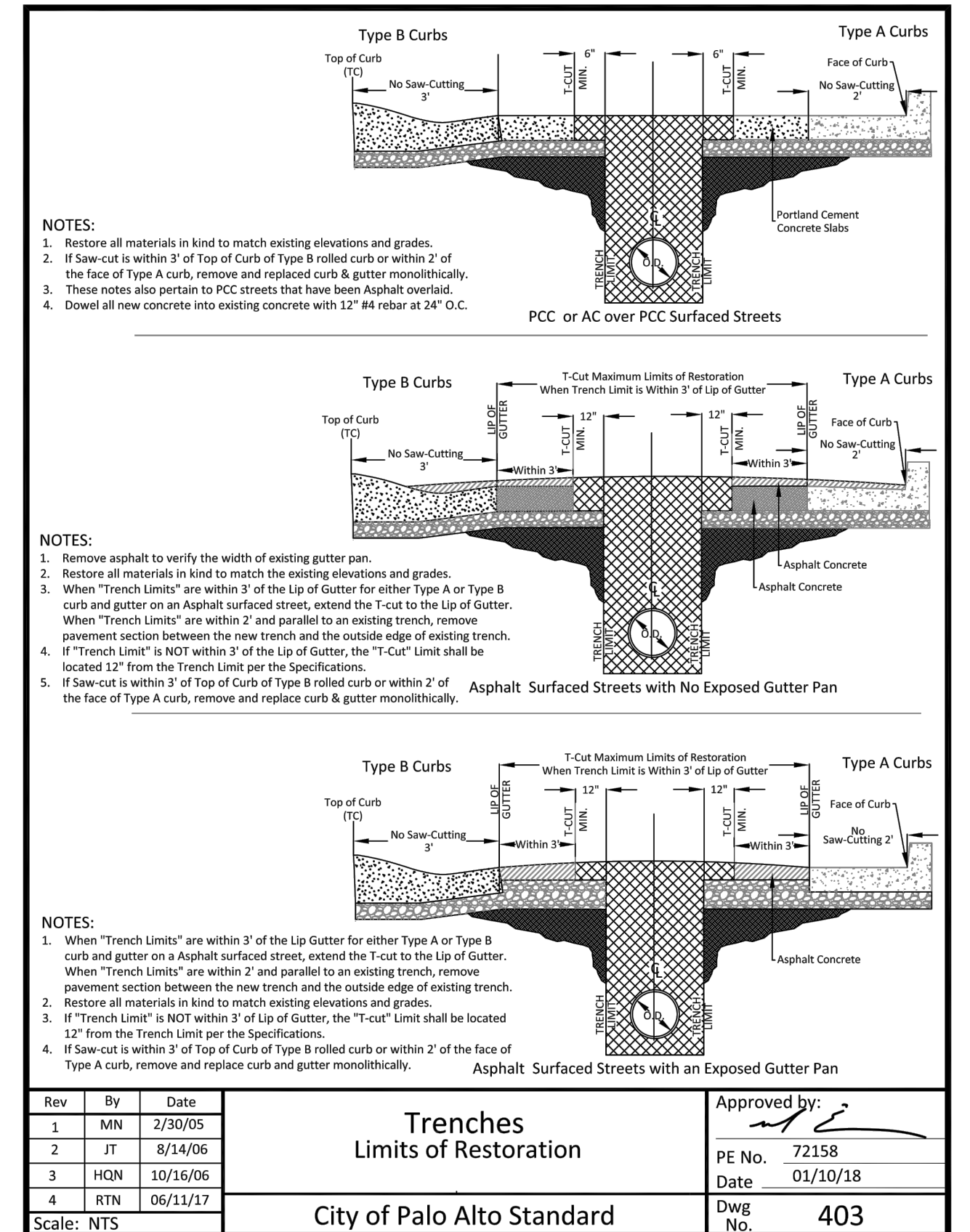
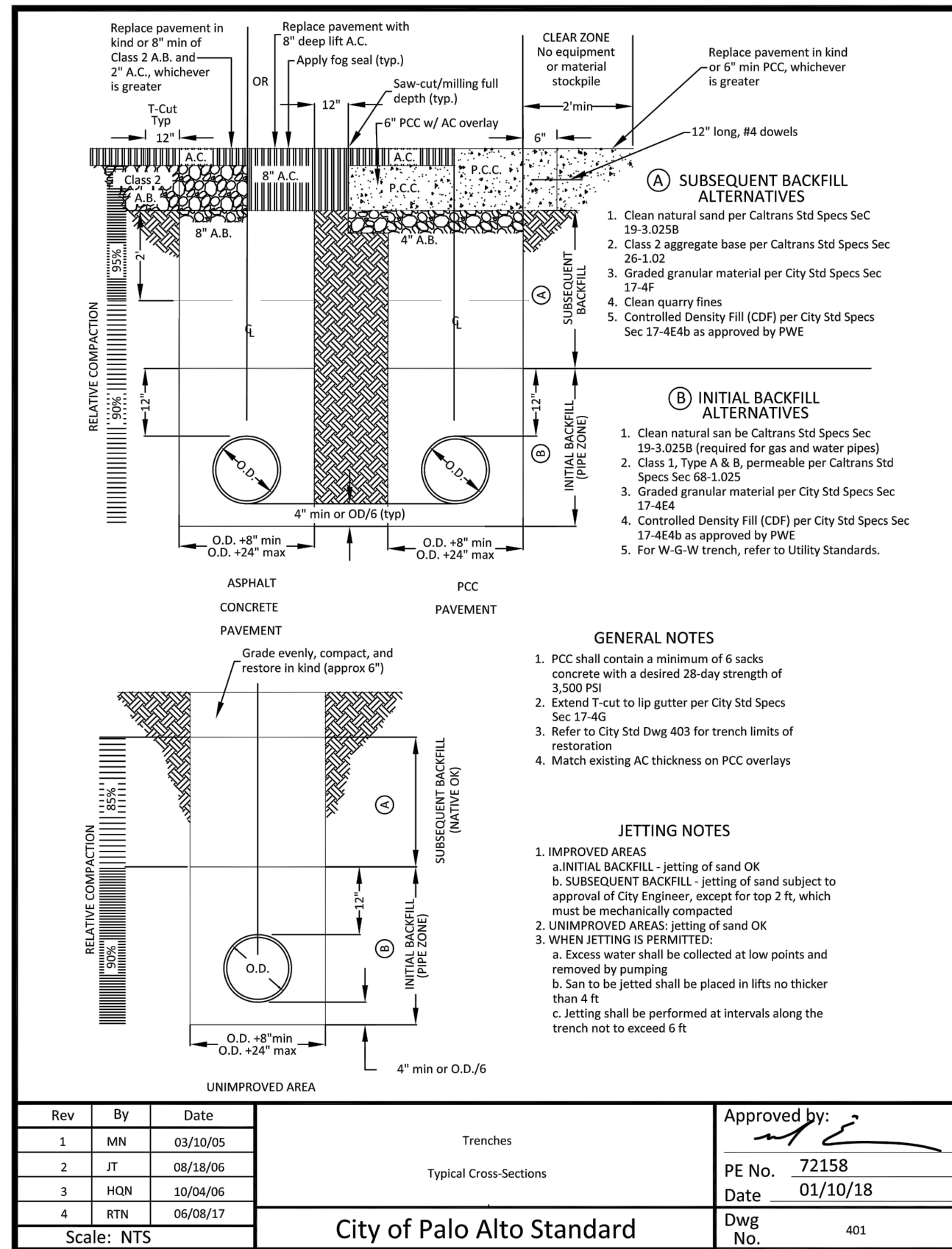
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DETAIL 10
C01
NOT TO SCALE



(E) SSMH MT-8041
SECTION A
NOT TO SCALE



TRENCH SECTION
DETAIL 11
TYP
NOT TO SCALE



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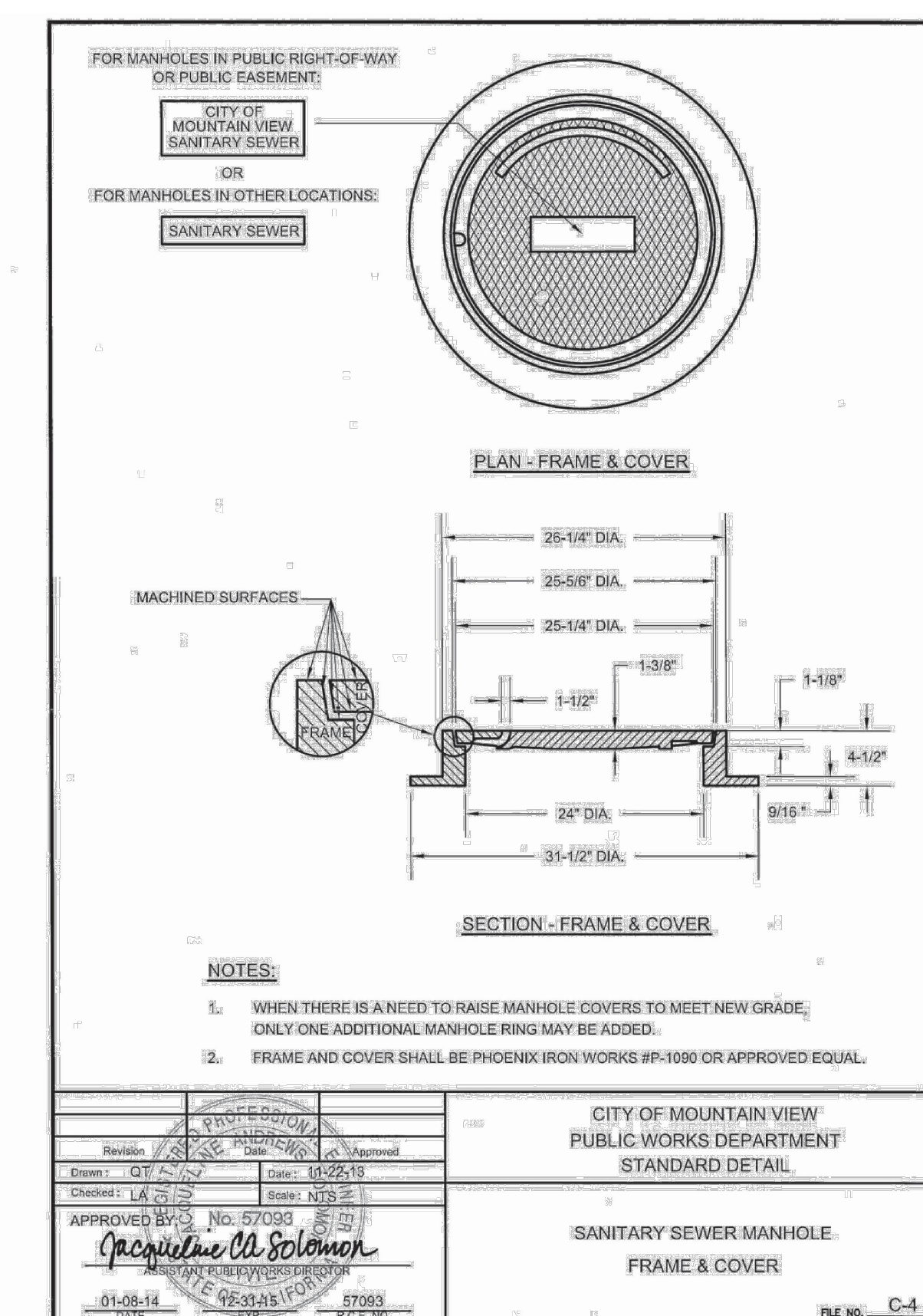


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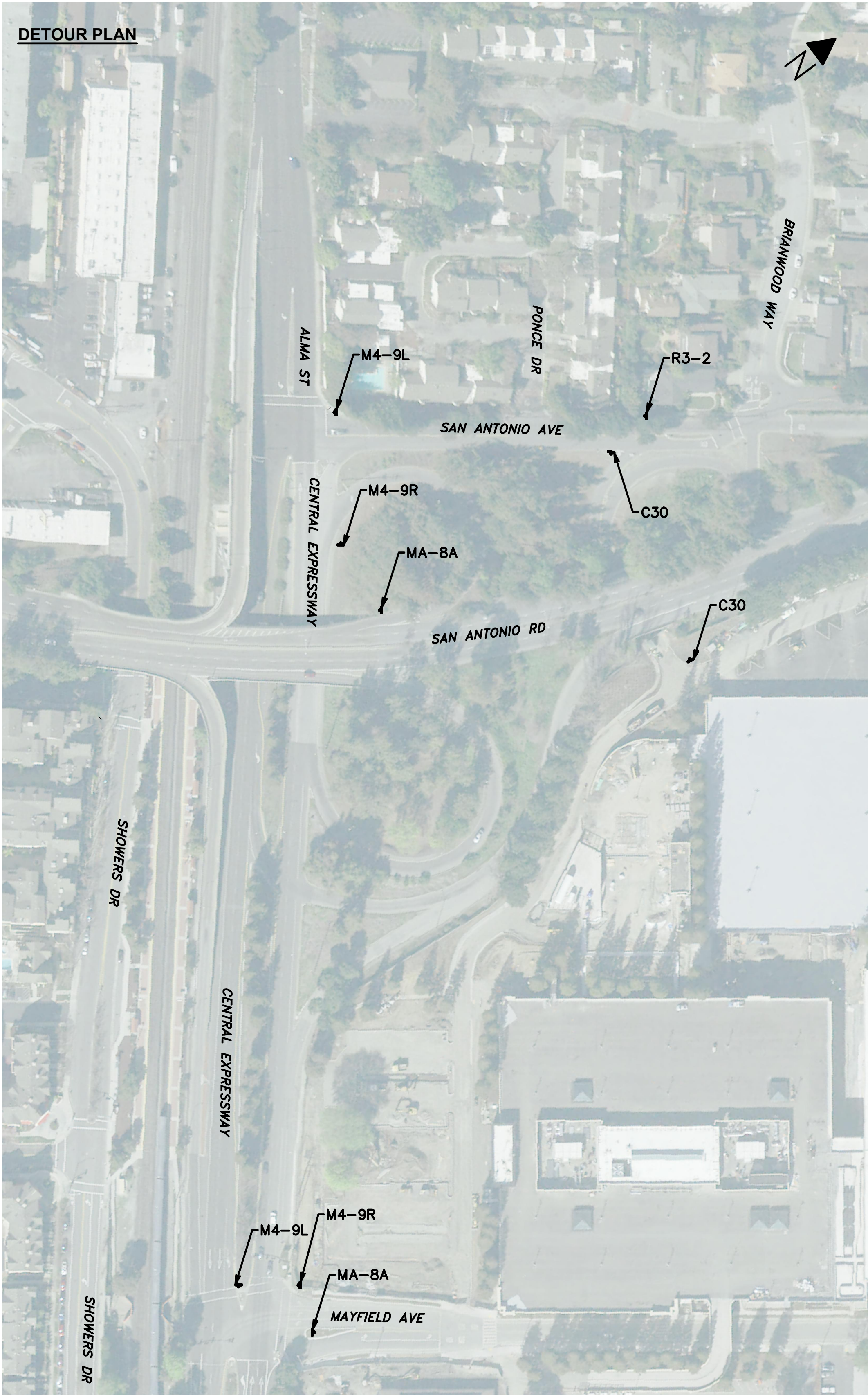


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CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 CIVIL DETAILS 3		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: D03 1 OF 13



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CITY OF MOUNTAIN VIEW SAN ANTONIO AREA SEWER MAIN IMPROVEMENTS - PHASE 2 STANDARD DETAILS		
SCALE: AS SHOWN	DATE: 01/15/2021	SHEET: D04 1 OF 13

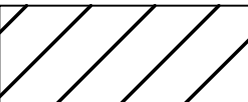
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GENERAL NOTES:

1. THESE TRAFFIC CONTROL PLANS HAVE BEEN PREPARED USING INFORMATION CONTAINED IN THE 2016 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
2. THE CONTRACTOR MUST INSTALL TRAFFIC CONTROL DEVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST ALSO MAINTAIN ALL TRAFFIC CONTROL DEVICES DURING CONSTRUCTION, AS REQUIRED BY THE ENGINEER/INSPECTOR. A 24-HOUR "ON CALL" TELEPHONE NUMBER MUST ALSO BE PROVIDED TO THE CITY BY THE CONTRACTOR FOR SERVICES REQUIRED BEYOND NORMAL WORKDAY OPERATIONS.
3. ACTUAL SIGN INSTALLATION LOCATIONS ARE TO BE DETERMINED IN THE FIELD. ALL SIGNS MUST BE INSTALLED PER CALTRANS STANDARD PLAN RS1-RS4 OR ON APPROVED BARRICADES. SIGN LOCATIONS MUST BE APPROVED BY THE CITY ENGINEER/INSPECTOR PRIOR TO ANY INSTALLATION WORK.
4. SIGNS MUST BE INSTALLED/PLACED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THESE PLANS AND AS DIRECTED BY THE CITY.
5. SIGNS MUST BE DESIGNED AND COMMERCIALY MANUFACTURED IN ACCORDANCE WITH THE MOST RECENT CALTRANS STANDARD SPECIFICATION AND CA MUTCD.
6. ANY EXISTING SIGNS, STRIPING, AND/OR PAVEMENT MARKINGS THAT CONFLICT WITH THESE TRAFFIC CONTROL PLANS MUST BE COVERED OR REMOVED DURING CONSTRUCTION. REMOVAL OF ROADWAY STRIPING AND/OR PAVEMENT MARKINGS MUST BE DONE IN ACCORDANCE WITH CURRENT CALTRANS AND CA MUTCD STANDARDS. SIGNS, STRIPING, AND/OR PAVEMENT MARKINGS MUST BE RESTORED TO EXISTING CONDITIONS TO THE SATISFACTION OF THE CITY ENGINEER/INSPECTOR ONCE CONSTRUCTION IS COMPLETE.
7. A MINIMUM OF ONE 12' WIDE TRAVEL LANE PER DIRECTION OF TRAVEL MUST REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION.
8. TEMPORARY TRAFFIC CONTROL DEVICES MUST NOT BLOCK FIRE HYDRANTS AND/OR DRIVEWAYS.
9. ALL TRAFFIC CONTROL DEVICES (SIGNS, CHANNELIZERS, ETC.) MUST BE RETROREFLECTIVE AND/OR ILLUMINATED DURING NIGHTTIME TRAFFIC CONTROL.
10. CONTRACTORS MUST POST TEMPORARY "NO PARKING" SIGNS ALONG ROADWAY FRONTAGE, WHERE APPLICABLE, A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF WORK AND MUST NOTIFY THE POLICE DEPARTMENT. SIGNS MUST STATE DAYS AND HOURS OF RESTRICTIONS.
11. CONTRACTOR MUST DISPLAY ON BARRICADES COMPANY NAME AND 24-HOUR EMERGENCY TELEPHONE NUMBER IN CASE OF EMERGENCY CALLOUTS.
12. CONTRACTOR MUST FURNISH, ERECT, AND MAINTAIN BARRICADES, LIGHTS, SIGNS, FLAGMEN, FENCING, AND OTHER SAFETY MEASURES TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES.
13. THE PARKING OF ANY CONSTRUCTION-RELATED VEHICLES OR STORAGE OF ANY MATERIAL IS NOT ALLOWED ON A PUBLIC STREET OR SIDEWALK UNLESS APPROVED IN ADVANCE BY THE CITY ENGINEER.
14. ANY TRAFFIC STRIPING, PAVEMENT MARKINGS, PAVEMENT SURFACE, ETC. DAMAGED OR DESTROYED BY CONTRACTOR'S WORK MUST BE REPLACED BY CONTRACTOR TO THE SATISFACTION OF THE CITY ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
15. FOR ANY ONGOING PROJECTS IN THE VICINITY OF THIS PROJECT, THE ROUTING OF PEDESTRIANS, VEHICLES, AND CONSTRUCTION TRUCKS MUST BE COORDINATED WITH OTHER CONTRACTORS TO MINIMIZE PUBLIC CONVENIENCE.
16. SIDEWALKS AND TRAFFIC LANES MUST REMAIN OPEN WHEN NO ACTIVITY IS PLANNED AND/OR BETWEEN SCHEDULED CLOSURES. SIDEWALKS AND TRAFFIC LANES MUST BE OPENED AT THE END OF EACH WORKDAY.
17. EXISTING CURBS, GUTTERS, SIDEWALKS, AND DRIVEWAYS TO BE RECONSTRUCTED MUST BE REPLACED WITHIN 5 DAYS AFTER DEMOLITION UNLESS GRANTED AN EXCEPTION BY THE CITY.
18. DURING CONSTRUCTION, TRASH/RECYCLING/YARD WASTE COLLECTION VEHICLES MUST HAVE ACCESS TO COLLECTION ROUTE STREETS IN ORDER TO FACILITATE COLLECTION ACTIVITIES. DELAYS OR DISRUPTIONS TO COLLECTION SERVICES MAY NOT OCCUR AS A RESULT OF CONSTRUCTION ACTIVITY.

LEGEND:



WORK AREA



TRAFFIC CONTROL SIGN



FLASHING ARROW BOARD

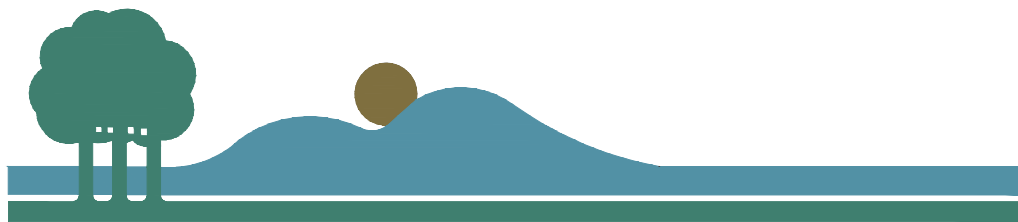


TRAFFIC CONE AT 15' OC UNLESS OTHERWISE NOTED ON PLAN (28" MINIMUM HEIGHT)

0 50 100 200 400



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CITY OF MOUNTAIN VIEW

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SCALE: AS SHOWN	DATE: 06/24/2020	SHEET: 12 OF 12