

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.

Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY CALIFORNIA

AVY / ALTSCHUL SANITARY SEWER PUMP STATION

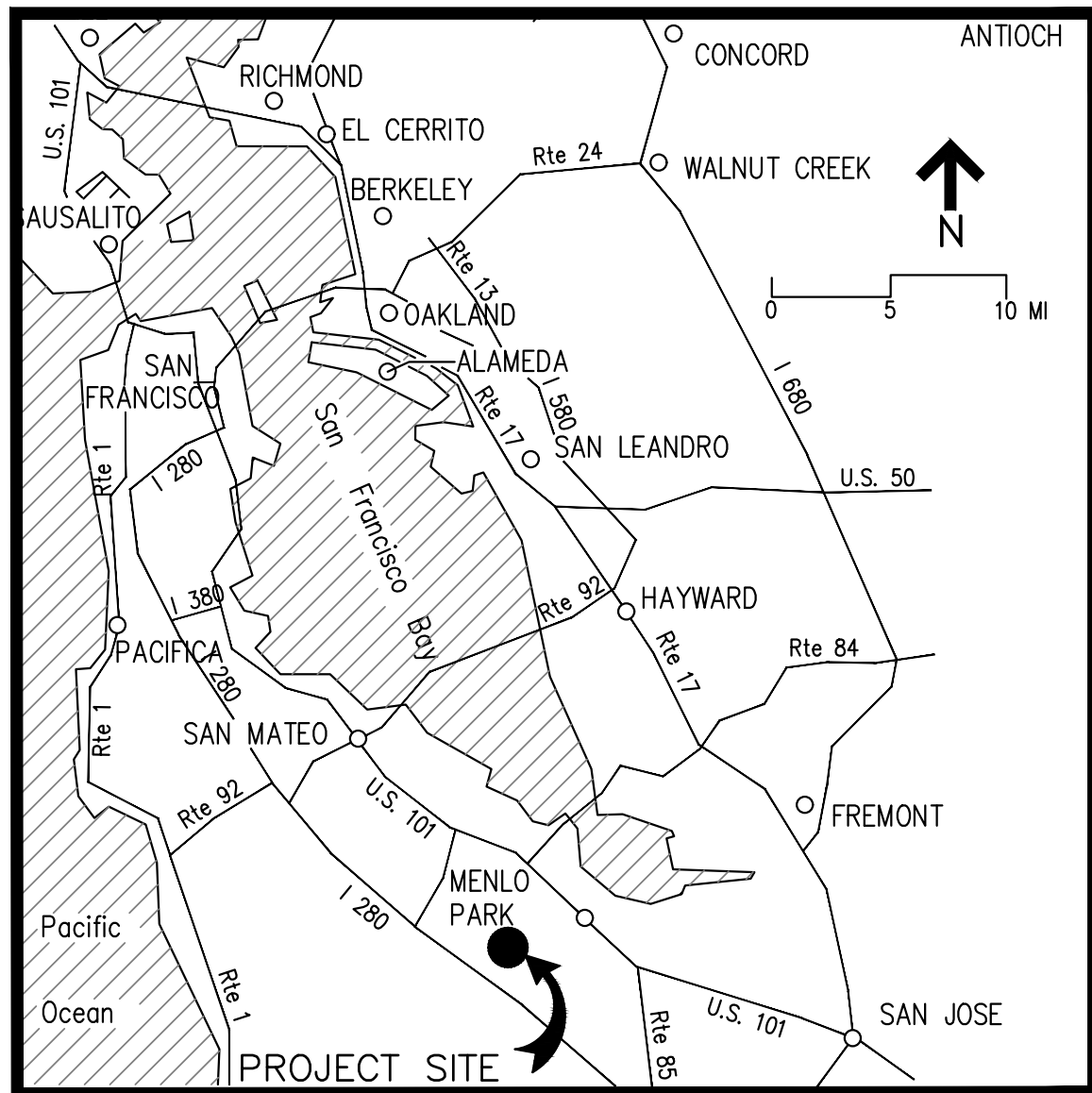
PUMP STATION AND SANITARY SEWER MAIN DESIGN

GENERAL NOTES:

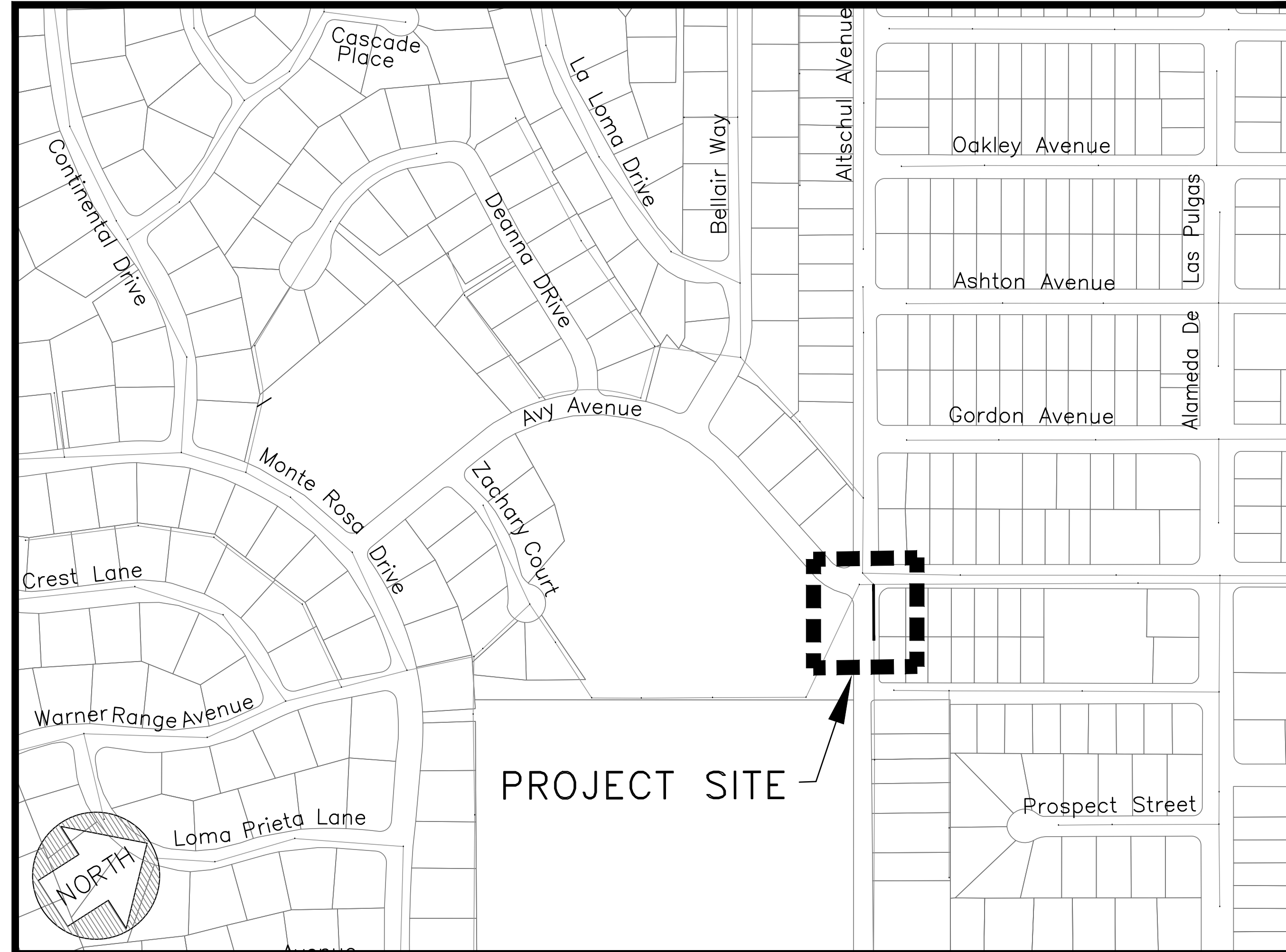
1. THE FOLLOWING NOTES ARE ESTABLISHED MERELY TO GUIDE THE CONTRACTOR AS TO THE GENERAL ITEMS OF WORK INVOLVED AND ARE NOT INTENDED TO COVER COMPLETE SCOPE OF WORK. THE CONTRACTOR SHALL COMPLETE ALL WORK AS PER CONSTRUCTION PLANS AND SPECIFICATIONS.
2. CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING 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 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.
3. ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, THE SPECIAL TECHNICAL PROVISIONS AND THE STANDARD SPECIFICATIONS OF THE WEST BAY SANITARY DISTRICT. ALL WORK NOT SPECIFICALLY COVERED IN THE STANDARD SPECIFICATIONS OF WEST BAY SANITARY DISTRICT AND THE SPECIAL TECHNICAL PROVISIONS FOR THESE IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.
4. THE WORK SHOWN ON THESE PLANS IS WITHIN THE JURISDICTION OF THE CITY OF MENLO PARK, AND SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS AND THE REQUIREMENTS OF THE ENCROACHMENT PERMITS.
5. THE LOCATIONS AND TYPES OF EXISTING UTILITIES SHOWN ON THE IMPROVEMENT PLANS ARE BASED ON INFORMATION FURNISHED BY SERVICING AGENCIES AND IS TO BE SUPPLEMENTED BY ACTUAL FIELD INVESTIGATION AND VERIFICATIONS BY CONTRACTOR. ATTENTION IS DIRECTED TO VERIFICATIONS OF DEPTHS AND EXACT LOCATIONS OF EXISTING SERVICES WHETHER SHOWN ON THE PLAN OR NOT AND THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PRESERVE AND AVOID DAMAGES TO EXISTING UTILITIES ENCOUNTERED. NOTE: EXISTING UTILITY SERVICES TO HOUSES ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL NOTIFY PG&E, AT&T, COMCAST, CAL WATER, CITY OF MENLO PARK AND UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444, PRIOR TO ANY FIELD INVESTIGATION.
6. BEDDING MATERIAL SHALL BE AN IMPORTED VIRGIN GRANULAR MATERIAL FREE FROM VEGETABLE MATTER AND OTHER ORGANIC SUBSTANCES AND SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY UNDER WATERING, ROLLING AND TAMPING TO FORM A FIRM AND STABLE BASE. BEDDING MATERIAL SHALL CONFORM TO THE GRADATION REQUIREMENTS SHOWN ON THE DETAIL DRAWING.
7. RELATIVE COMPACTION AND IN-PLACE DENSITY SHALL BE DETERMINED AS DEFINED BY THE TEST METHOD OF ASTM D1557.
8. EXISTING FLOWS MUST BE MAINTAINED BY CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF ANY INTERRUPTION OF SEWER SERVICES PRIOR TO ANY WORK ON EXISTING SEWER PIPES. SEWAGE FLOWS SHALL BE MAINTAINED BY PUMPING.
9. ALL EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRIVEWAYS, CURB, GUTTER, SIDEWALK, CULVERTS, DRAINS, STRIPING (PAINTED OR THERMOPLASTIC) AND MONUMENTS, SHALL BE RESTORED TO THE CONDITION IN WHICH THEY WERE OR BETTER BEFORE THE EXCAVATION WAS MADE. PAYMENT FOR RESTORATION OF EXISTING IMPROVEMENTS TO THEIR ORIGINAL CONDITION WILL NOT BE MADE AND SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK INVOLVED.
10. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT PROVISIONS OF FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS IN REGARD TO TRAFFIC CONTROL. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PRIOR TO THE START OF WORK TO BE APPROVED BY THE DISTRICT AND THE LOCAL JURISDICTION.
11. THE CONTRACTOR SHALL CONDUCT THEIR OPERATION AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC. THROUGHOUT THE PERFORMANCE OF THE WORK, OR IN CONNECTION TO THIS CONTRACT, THE CONTRACTOR SHALL CONSTRUCT AND ADEQUATELY MAINTAIN SUITABLE AND SAFE CROSSINGS OVER TRENCHES, DRIVEWAY ACCESS AND SUCH DETOURS AS ARE NECESSARY TO CARE FOR PUBLIC PEDESTRIAN TRAFFIC.
12. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE OSHA RULES, REGULATIONS, AND ORDERS ESTABLISHED BY FEDERAL AND STATE AGENCIES BEFORE ENTERING SANITARY SEWER MANHOLES.
13. IF THE CONTRACTOR PLANS TO USE MACHINERY WITH TRACKS, PLYWOOD SHALL BE PLACED IN FRONT AND/OR BACK OF THE MACHINE (DEPENDING ON THE TRAVEL DIRECTION), SO THAT SURFACE DESTRUCTION IS AVOIDED. ANY SURFACE DESTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE DISTRICT, TO THE SATISFACTION OF THE LOCAL JURISDICTION.
14. CONCRETE FOR MANHOLES SHALL MEET THE REQUIREMENTS OF CLASS 1 CONCRETE AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.
15. CONTRACTOR SHALL PROVIDE PUMPS OR OTHER MEANS TO PREVENT SEWER WASTE BACKUP DUE TO THEIR WORK ON THE EXISTING SEWERS. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND DAMAGES CAUSED BY THEIR NEGLIGENCE, AND SHALL PAY ANY FINES DUE TO THEIR NEGLIGENCE.
16. PRIOR TO THE START OF SEWER CONSTRUCTION, THE CONTRACTOR SHALL PERFORM BYPASSING OPERATIONS. CONSTRUCTION CAN NOT BEGIN UNTIL BYPASSING OPERATIONS ARE APPROVED BY THE DISTRICT.
17. THE CONTRACTOR SHALL AT ALL TIMES HAVE AT THE JOB SITE SUFFICIENT PUMPING MACHINERY READY FOR IMMEDIATE USE. THE TRENCHES AND EXCAVATIONS SHALL BE KEPT ENTIRELY FREE OF WATER WHILE CONCRETE IS BEING POURED OR PIPE IS BEING LAID AND UNTIL CONCRETE OR MORTAR HAS SET HARD. WATER SHALL BE DISPOSED OF IN SUCH A MANNER AS WILL NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, NOR BE A MENACE TO PUBLIC HEALTH.
18. ALL PROPERTY LINES SHOWN ARE APPROXIMATED FROM ASSESSORS PARCEL MAPS OR FROM RECORD INFORMATION, AND THEIR LOCATION MAY NOT BE EXACT. THE PROPERTY LINES SHALL BE USED AS REFERENCE TO LOCATE SERVICE LATERAL CONNECTION TO EACH PROPERTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXACT LOCATION OF EACH PROPERTY LATERAL FOR CONNECTION.
19. CONTRACTOR SHALL BE AWARE OF SURROUNDINGS AND BE CAUTIOUS WHEN WORKING NEAR OVERHEAD LINES.

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REGIONAL LOCATION NTS



UNINCORPORATED SAN MATEO COUNTY & MENLO PARK VICINITY LOCATION NTS

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WEST BAY
 SANITARY DISTRICT
 SAN MATEO COUNTY
 PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
COVER SHEET
MENLO PARK, CALIFORNIA

SHEET
0
 JOB No.
1089

CONSTRUCTION NOTES:

THE FOLLOWING CONTROL MEASURES FOR CONSTRUCTION ACTIVITIES SHALL BE ADHERED TO, UNLESS OTHERWISE APPROVED BY THE RECORD ENGINEER.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY EXCESS MATERIALS FROM THE WORK SITE.
- EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT RUNOFF TO PUBLIC ROADWAY DRAINAGE FACILITIES, ADJACENT PROPERTIES AND THE SAN FRANCISCO BAY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES ON OR OFF THE PROJECT SITE AS A RESULT OF LACK OF DUST CONTROL.
- DURING THE PROGRESS OF THE CONSTRUCTION WORK THE CONTRACTOR SHALL MAINTAIN THE PREMISES IN A NEAT AND CLEAN CONDITION, DISPOSING OF REFUSE IN A SATISFACTORY MANNER AS OFTEN AS DIRECTED OR AS MAY BE NECESSARY SO THAT THERE SHALL BE AT NO TIME ANY UNSIGHTLY ACCUMULATION OF RUBBISH AT THE JOB SITE.
- CONTRACTOR TO ADHERE TO ALL REQUIREMENTS OF THE SAN MATEO COUNTY HEALTH SERVICES AGENCY.
- STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WILL NOT BE ALLOWED IN OR UPON THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS INTENDED FOR USE ON ANY PROJECT SHALL BE OFF LOADED DIRECTLY FROM DELIVERY VEHICLES AND PLACED AS REQUIRED DURING THE COURSE OF CONSTRUCTION. SHOULD THE PERMIT HOLDER OR SUB- CONTRACTORS WISH TO STOCKPILE MATERIALS NEAR THE WORK SITE, THEY SHALL MAKE ARRANGEMENTS IN ADVANCE FOR STORAGE. ALL STORAGE SITES SHALL BE SECURE, INACCESSIBLE TO THE GENERAL PUBLIC AND KEPT FREE OF CONSTRUCTION SPOILS, DEBRIS AND TRASH AT ALL TIMES STORAGE SITES SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE RECORD ENGINEER.
- CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY & TRAFFIC CONTROL.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY SOIL OR WATER CONTAMINATION NOTICED DURING CONSTRUCTION TO THE CITY OF BURLINGAME FIRE DEPARTMENT HAZARDOUS MATERIALS DIVISION, THE SAN MATEO COUNTY DEPARTMENT OF HEALTH, AND THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SITE OR SURROUNDING AREA DUE TO DUST OR EROSION, RESULTING FROM WORK DONE BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE A SEVEN (7) DAY PHONE NUMBER TO RECEIVE AND RESPOND TO DUST COMPLAINTS RESULTING FROM ALL CONSTRUCTION OPERATIONS AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE. ALL BUSINESSES AND RESIDENTS WITHIN 300' OF THE PROJECT SHALL BE NOTIFIED BY THE CONTRACTOR BY MAIL WITH INFORMATION AND COMPLAINT LINES TO BE CALLED.
- CONTRACTOR IS TO MAINTAIN ALL JOB SITE FACILITIES UNTIL ACCEPTED BY THE CITY.
- ALL EXCAVATION SPOILS SHALL BE PLACED DIRECTLY INTO TRUCKS AND DISPOSED OF AT AN APPROVED DUMPSITE.
- CONSTRUCTION HOURS IN THE CITY PUBLIC RIGHT-OF-WAY ARE LIMITED TO WEEKDAYS AND NON-CITY HOLIDAYS BETWEEN 8:00AM TO 5:00PM.
- CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED OR DISRUPTED STRIPING IN-KIND.
- PETROMAT MAY BE FOUND IN THE AC. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL.
- ALL CURB AND GUTTER REPLACED SHALL HAVE A 2 FOOT SAWCUT CONFORM, UNLESS OTHERWISE NOTED ON PLANS.
- SURVEY ELEVATIONS SHOWN ARE BASED ON ASSUMED BENCHMARKS. ELEVATIONS DO NOT RELATE TO SEA LEVEL.
- CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE UTILITY FEATURES FOR ASPHALT AND CONCRETE REPAVING. UPON COMPLETION, UTILITY FEATURES SHALL BE SET FLUSH WITH NEW SURFACE GRADE. ADJUSTMENT OF ALL EXISTING SURFACE UTILITY FEATURES SHALL BE INCLUDED IN CONTRACTORS PRICE WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLANS.
- CONTRACTOR SHALL ACCOUNT FOR NECESSARY GROUNDWATER CONTROL.

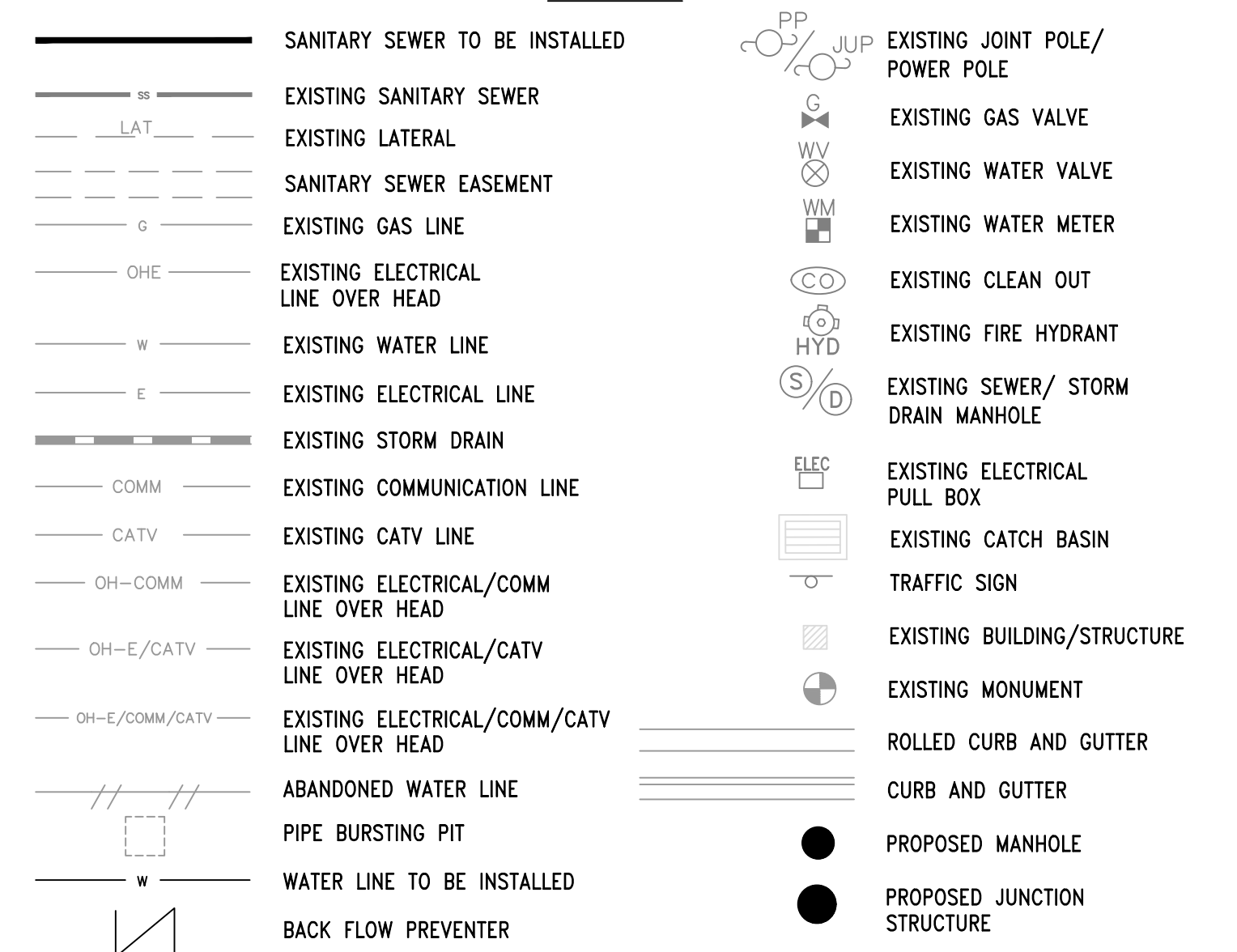
UNDERGROUND NOTES:

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

CONCRETE GENERAL NOTES:

- LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES SHOWN ARE BASED ON AVAILABLE UTILITY COMPANY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) AT (800)227-2600 AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATING.
- PHYSICAL VERIFICATION OF UTILITY LOCATION SHALL BE PERFORMED BY POT HOLING OR HAND DIGGING AND CAREFUL SUBSURFACE PROBING IN CONFORMANCE WITH ARTICLE 6 OF THE CAL/OSHA CONSTRUCTION SAFETY ORDERS. ANY DEVIATIONS FROM LOCATIONS SHOWN ON PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE STARTING CONSTRUCTION.
- EXISTING UTILITIES ARE SHOWN PER AVAILABLE INFORMATION. THERE MAY BE ADDITIONAL EXISTING LINES NOT SHOWN ON THE PLANS. CONTRACTOR SHALL BE CAREFUL TO AVOID ANY DAMAGE TO THESE UTILITY SERVICES.
- ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE CITY ENGINEER AND THE UTILITY OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
- MAIN UTILITIES, OTHER THAN WATER, SANITARY SEWER, AND STORM IN CONFLICT WITH THE WORK WILL BE RELOCATED BY OTHERS. WATER MAINS, SANITARY SEWER MAINS, STORM DRAINS AND THEIR SERVICES REQUIRED TO BE TEMPORARILY OR PERMANENTLY RELOCATED FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL BE RELOCATED BY THE CONTRACTOR.

LEGEND



ABBREVIATIONS

AB	AGGREGATE BASE	OC	ON CENTER
AC	ASPHALT CONCRETE	PERF	PERFORATED
ACP	ASBESTOS CONCRETE PIPE	RCP	REINFORCED CONCRETE PIPE
BW	BACK OF WALK	S	SLOPE
C	CONCRETE	SD	STORM DRAIN
CL	CENTER LINE	SDCB	STORM DRAIN CATCH BASIN
CLF	CHAIN LINK FENCE	SF	SQUARE FEET
COMM	COMMUNICATION	SS	SANITARY SEWER
CJ	COPPER PIPE	SSCO	SANITARY SEWER CLEANOUT
DIP	DUCTILE IRON PIPE	STA	STATION
DWY	DRIVEWAY	STD	STANDARD
E	ELECTRIC	TC	TOP OF CURB
EL	ELEVATION	TL	TOP OF LIP
EX OR (E)	EXISTING	TYP (TYP)	TYPICAL
FC	FACE OF CURB	VCP	VITRIFIED CLAY PIPE
FL	FLOW LINE	VIF	VERIFY IN FIELD
HV	HIGH VOLTAGE	W	WATER
INV	INVERT ELEVATION	WF	WOOD FENCE
JUP	JOINT UTILITY POLE	WV	WATER VALVE
LF	LINEAR FEET	VL	VAULT
MAX	MAXIMUM	VG	VALLEY GUTTER
MIN	MINIMUM		

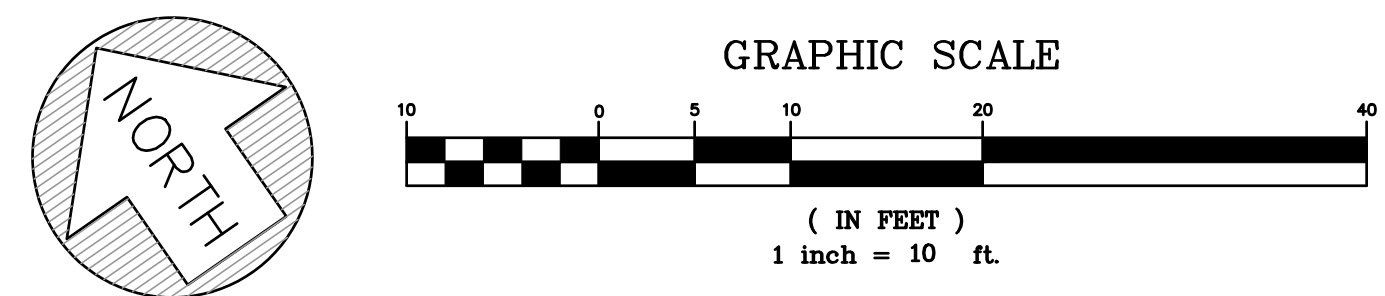
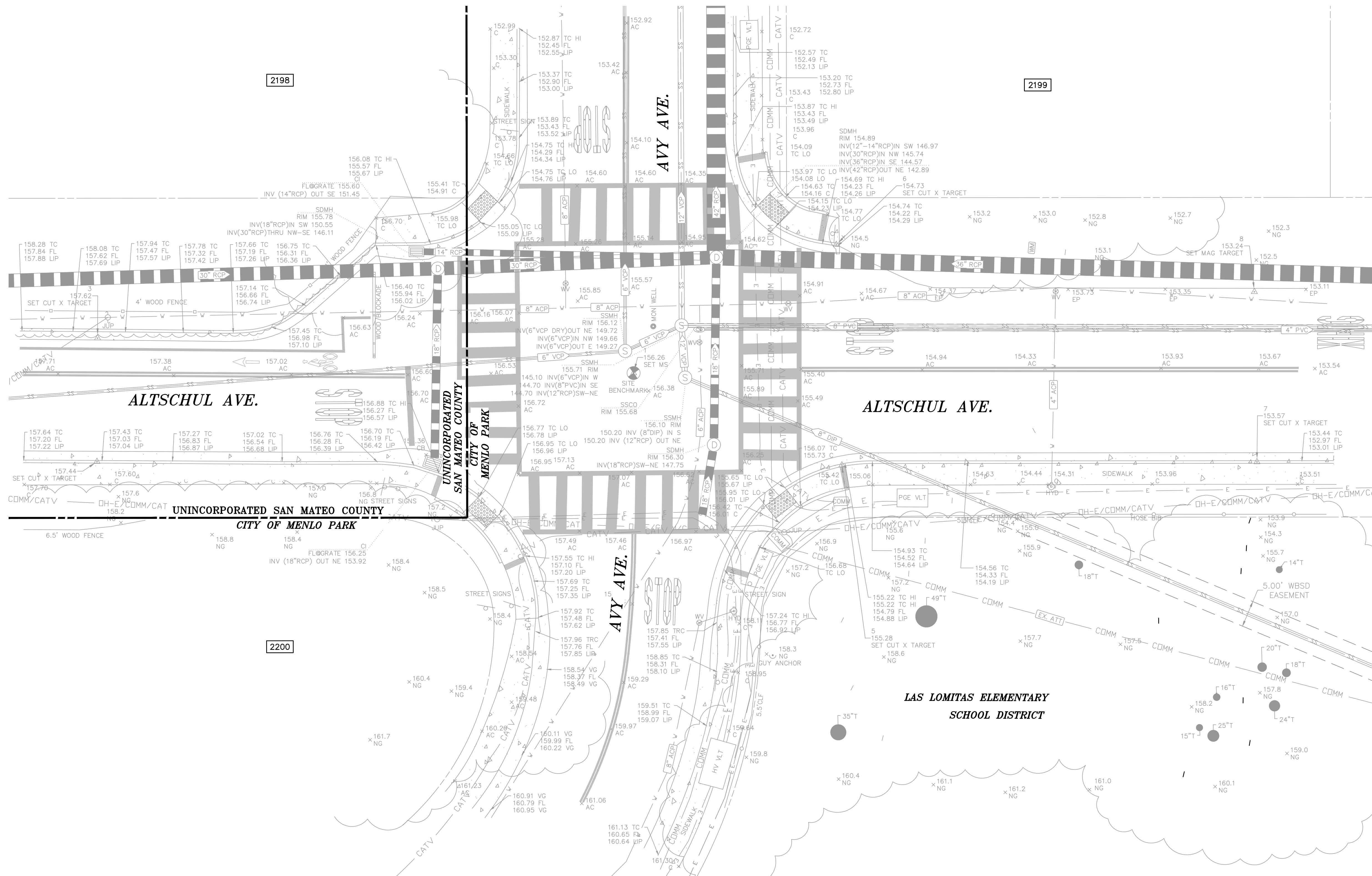
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AVY ALTSCHUL PUMP STATION PROJECT
GENERAL NOTES, LEGEND AND ABBREVIATIONS
MENLO PARK, CALIFORNIA

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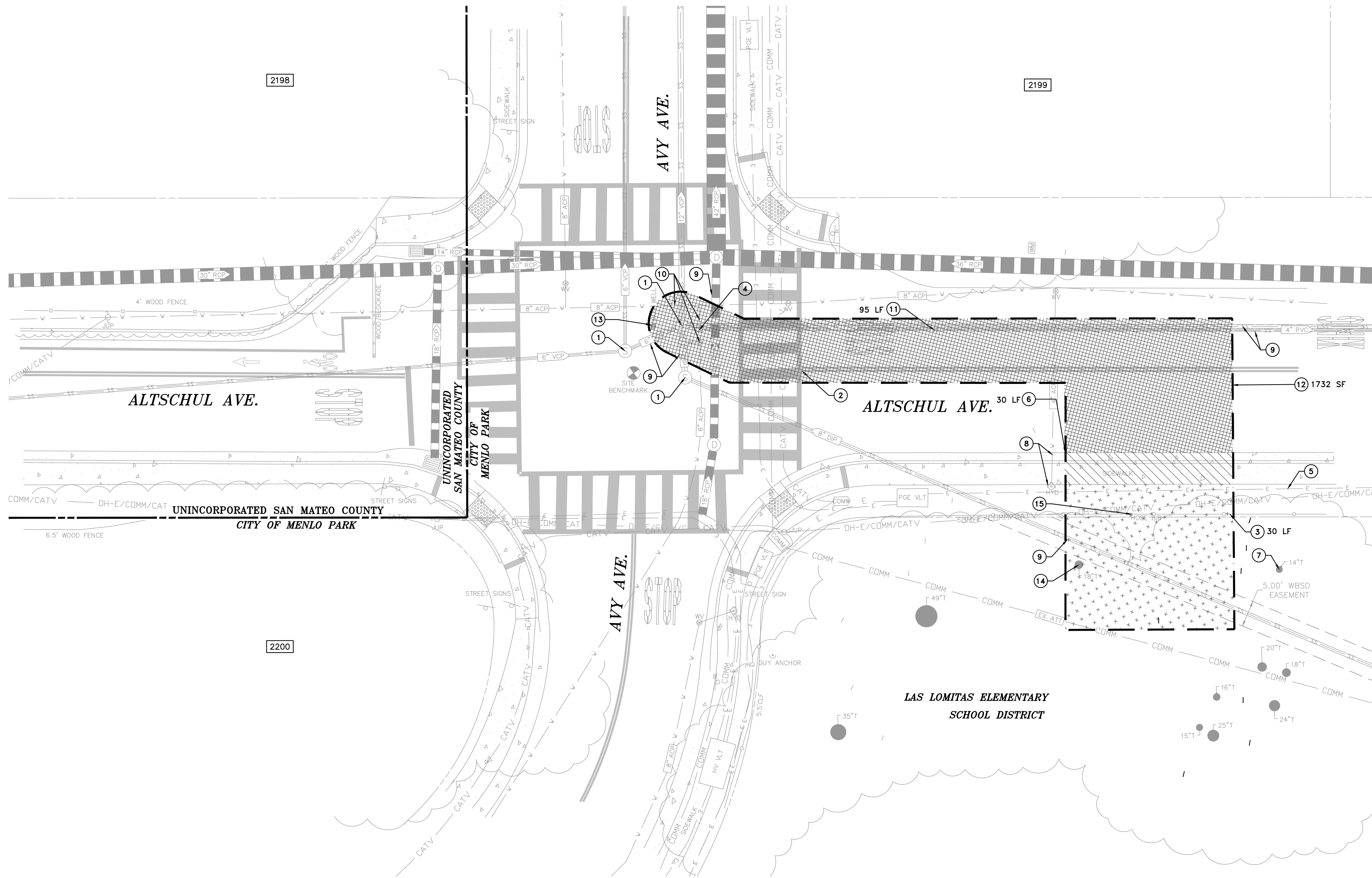
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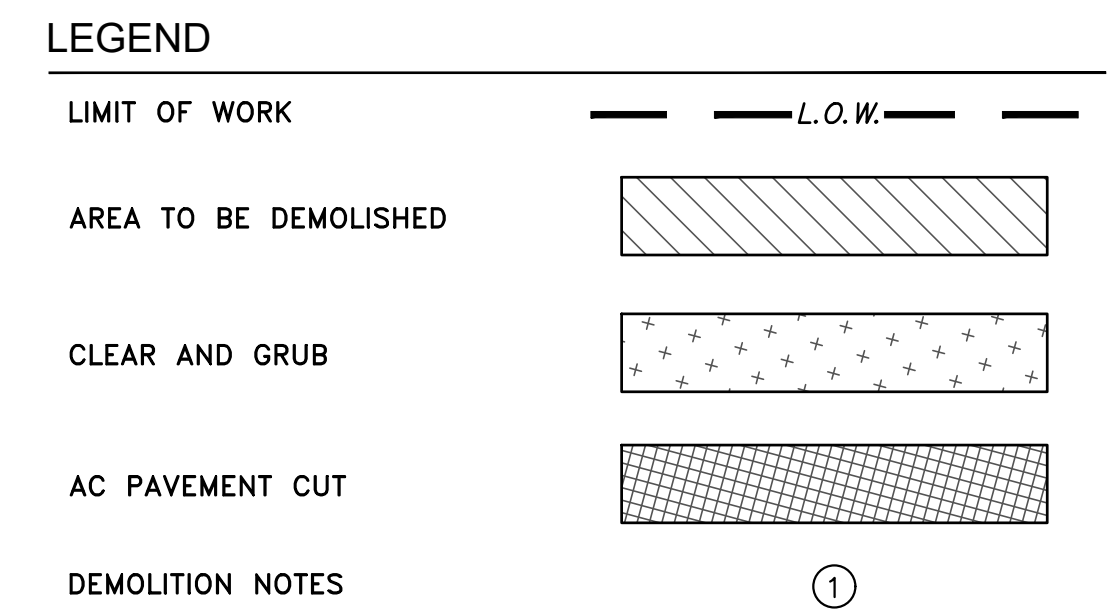
WEST BAY
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AVY ALTSCHUL PUMP STATION PROJECT
 EXISTING CONDITIONS
 MENLO PARK, CALIFORNIA

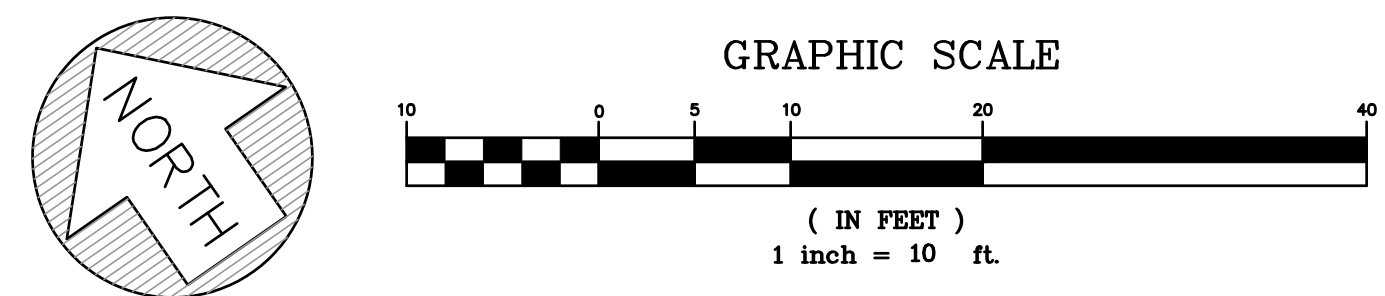
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- GENERAL NOTES**
1. ALL EXISTING UTILITY INFORMATION HAS BEEN COMPILED FROM TOPOGRAPHIC SURVEY AND RECORD DRAWINGS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL SITE UTILITIES PRIOR TO DEMOLITION ACTIVITIES.
 2. CONTRACTOR SHALL CAP/PLUG OR REMOVE EXISTING UTILITIES SHOWN ON PLAN PER ACCEPTABLE CITY OF MENLO PARK/WEST BAY SANITARY DISTRICT STANDARDS AND APPROVED METHODS BY UTILITY AGENCIES.
 3. ALL NEW FILL FOR BACKFILLING VOIDS SHALL BE AS SPECIFIED IN THE SPECIFICATIONS. FILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE TO THE GEOTECHNICAL RECOMMENDATIONS.
 4. THICKNESS OF EXISTING CONCRETE SURFACES, FOUNDATION SLABS, AC PAVEMENT SURFACES, AND BASE MATERIAL IS UNKNOWN. CONTRACTOR SHALL FIELD VERIFY PRIOR TO DEMOLITION ACTIVITIES.
 5. CONTRACTOR SHALL PROTECT THE EXISTING ABOVE & UNDERGROUND UTILITIES AND IMPROVEMENTS AND PERMANENT ABOVE & UNDERGROUND IMPROVEMENTS AND UTILITIES WITHIN AND OUTSIDE THE LIMITS OF WORK DURING DEMOLITION AND GRADING ACTIVITIES.
 6. EXISTING TREES TO REMAIN UNLESS OTHERWISE NOTED.



- DEMOLITION KEY NOTES**
- ① EXISTING SS MANHOLE/STRUCTURE TO REMAIN.
 - ② PAINTING AND STRIPING TO BE REPLACED IN KIND.
 - ③ EXISTING GATE AND/OR FENCE TO BE REMOVED AND REPLACED.
 - ④ REMOVE EXISTING CLEANOUT.
 - ⑤ EXISTING ELECTRICAL LINE TO REMAIN. PROTECT IN PLACE.
 - ⑥ EXISTING CURB, GUTTER, AND SIDEWALK TO BE REMOVED AND REPLACED.
 - ⑦ PROTECT EXISTING TREE IN PLACE.
 - ⑧ PROTECT EXISTING FIRE HYDRANT AND LATERAL.
 - ⑨ EXISTING PIPE TO REMAIN. PROTECT IN PLACE.
 - ⑩ EXISTING W VALVE AND PIPES TO REMAIN. PROTECT IN PLACE.
 - ⑪ EXISTING SS PIPE TO BE ABANDONED.
 - ⑫ EXISTING AC PAVEMENT TO BE REMOVED AND REPLACED.
 - ⑬ EXISTING MONUMENT TO REMAIN. PROTECT IN PLACE.
 - ⑭ DEAD TREE TO BE REMOVED.
 - ⑮ EXISTING HOSE BIB TO BE REMOVED.



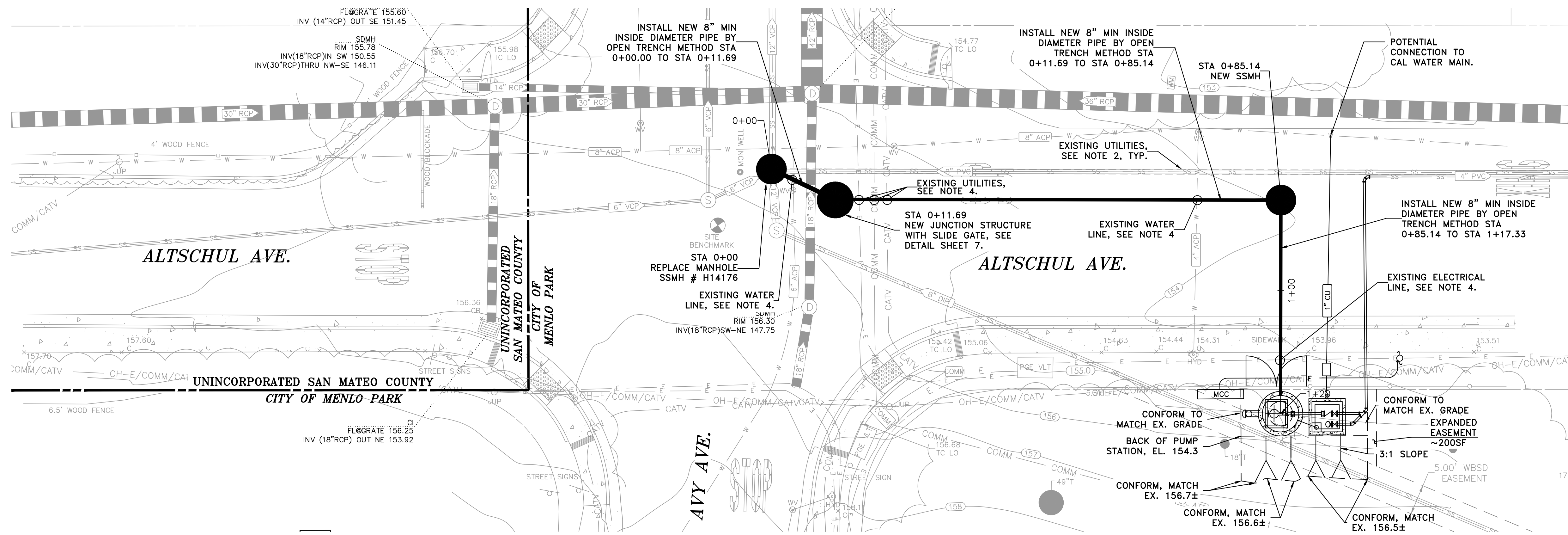
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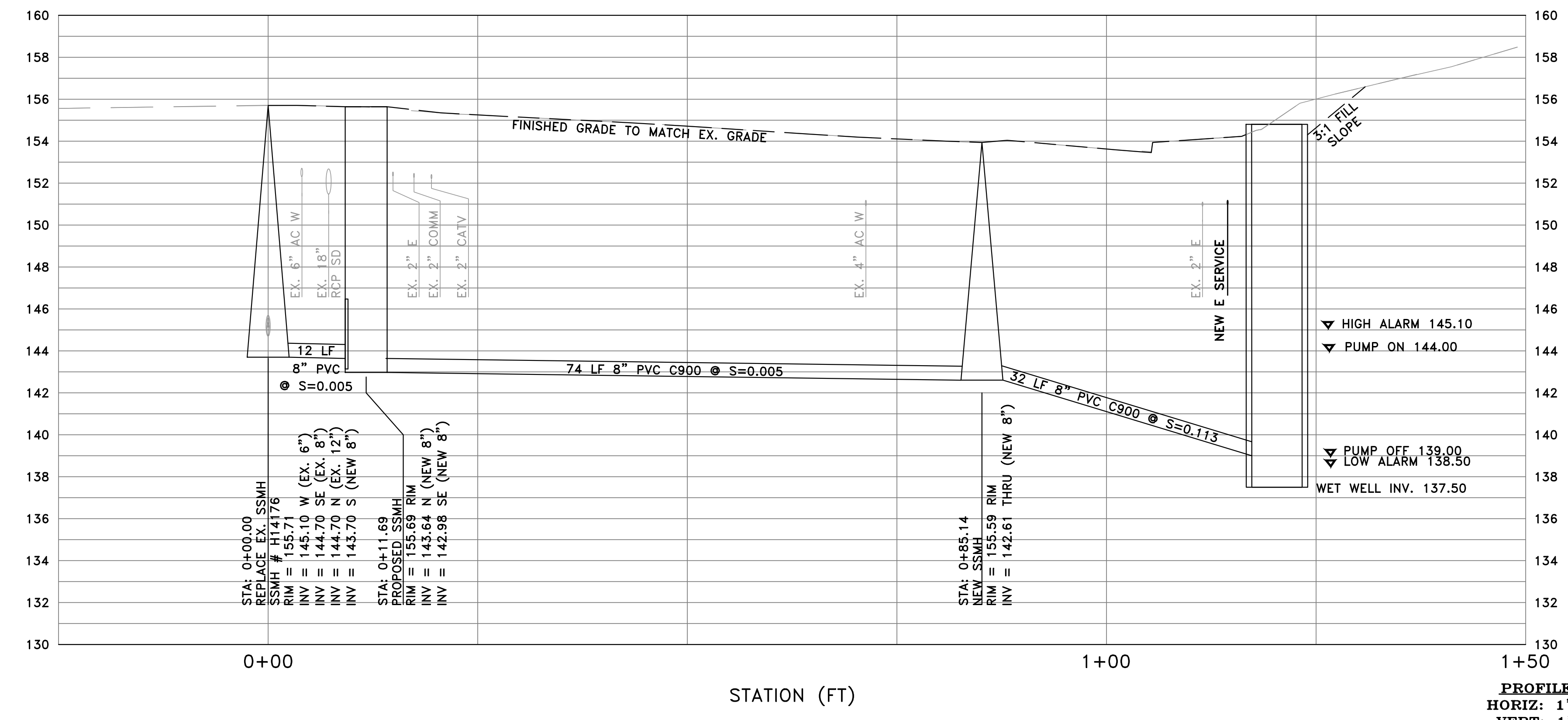
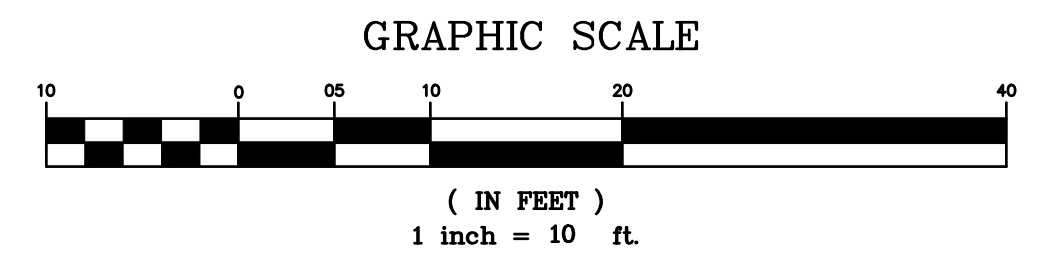
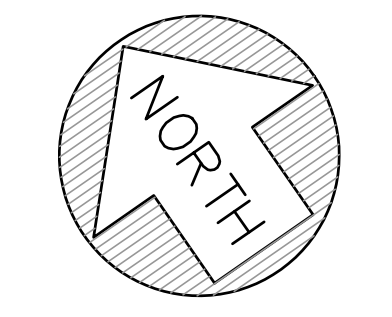
WEST BAY
 SANITARY DISTRICT
 SAN MATEO COUNTY
 PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
DEMOLITION PLAN
MENLO PARK, CALIFORNIA

SHEET	3
JOB NO.	1089



- NOTE:
1. STRIPING IS NOT SHOWN FOR LEGIBILITY OF PLAN. REFER TO SHEETS 2 AND 3 FOR EXISTING PAINTING AND STRIPING.
 2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID ANY DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF UTILITIES TO PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY U.S.A. TO LOCATE UTILITIES AT THE PROJECT SITE PRIOR TO CONSTRUCTION.
 3. CONTRACTOR TO NOTE OVERHEAD UTILITIES AND EXERCISE CAUTION WHEN WORKING BENEATH OR ADJACENT TO THE AERIAL FACILITIES.
 4. UTILITIES TO BE POTHOLED PRIOR TO CONSTRUCTION FOR DEPTH AND LOCATION.



PROFILE VIEW
 HORIZ: 1" = 10'
 VERT: 1" = 4'

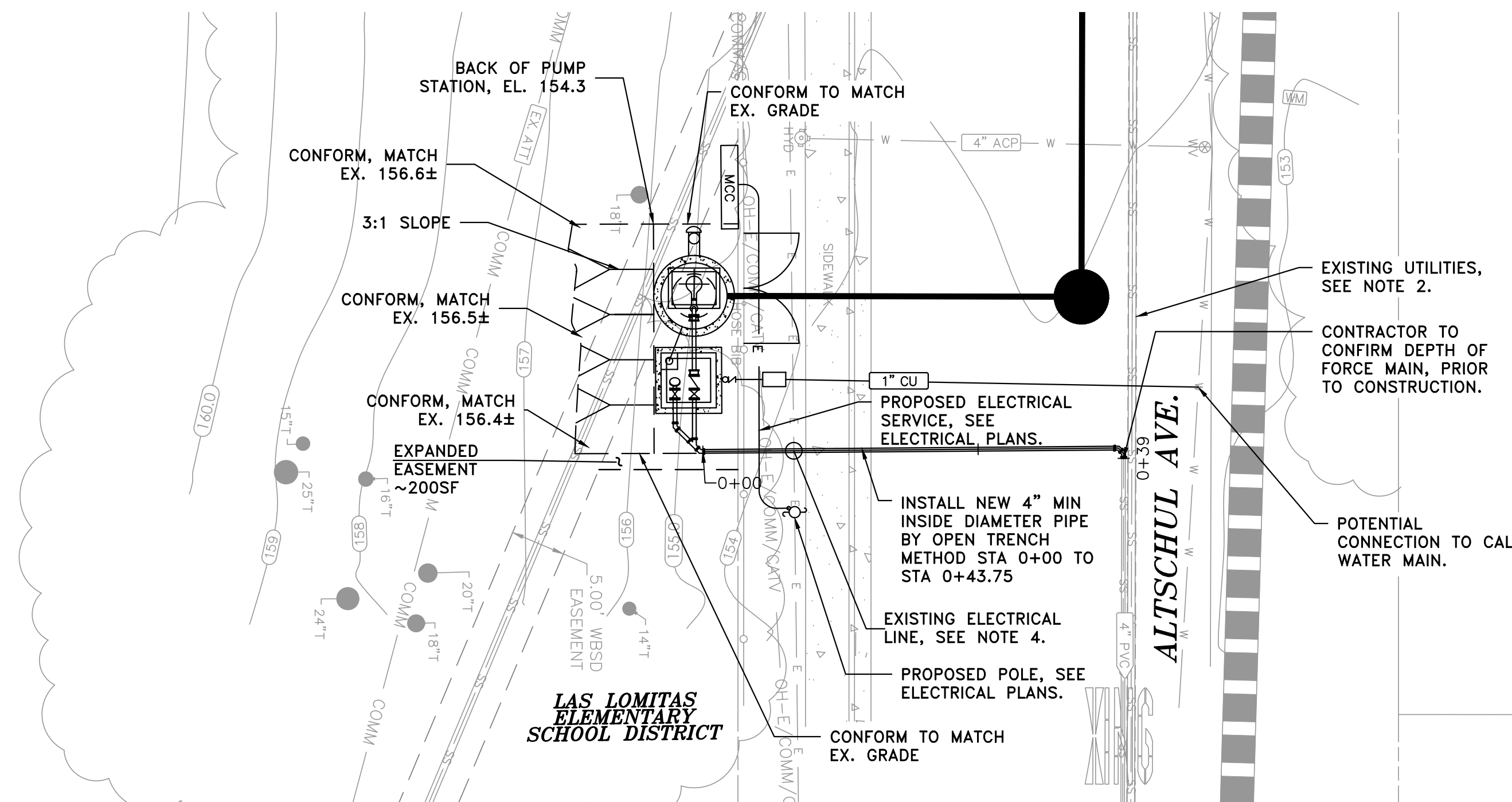
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SCALE:	AS NOTED	01/28/2022	65% PLANS
DESIGNED:	LFH & FYM	05/20/2022	UPDATED 65% PLANS
DRAWN:	CSM		
CHECKED:	LFH		
PROJ. ENGR:	RJL		
BY	DATE	DESCRIPTION OF REVISIONS	APP'D

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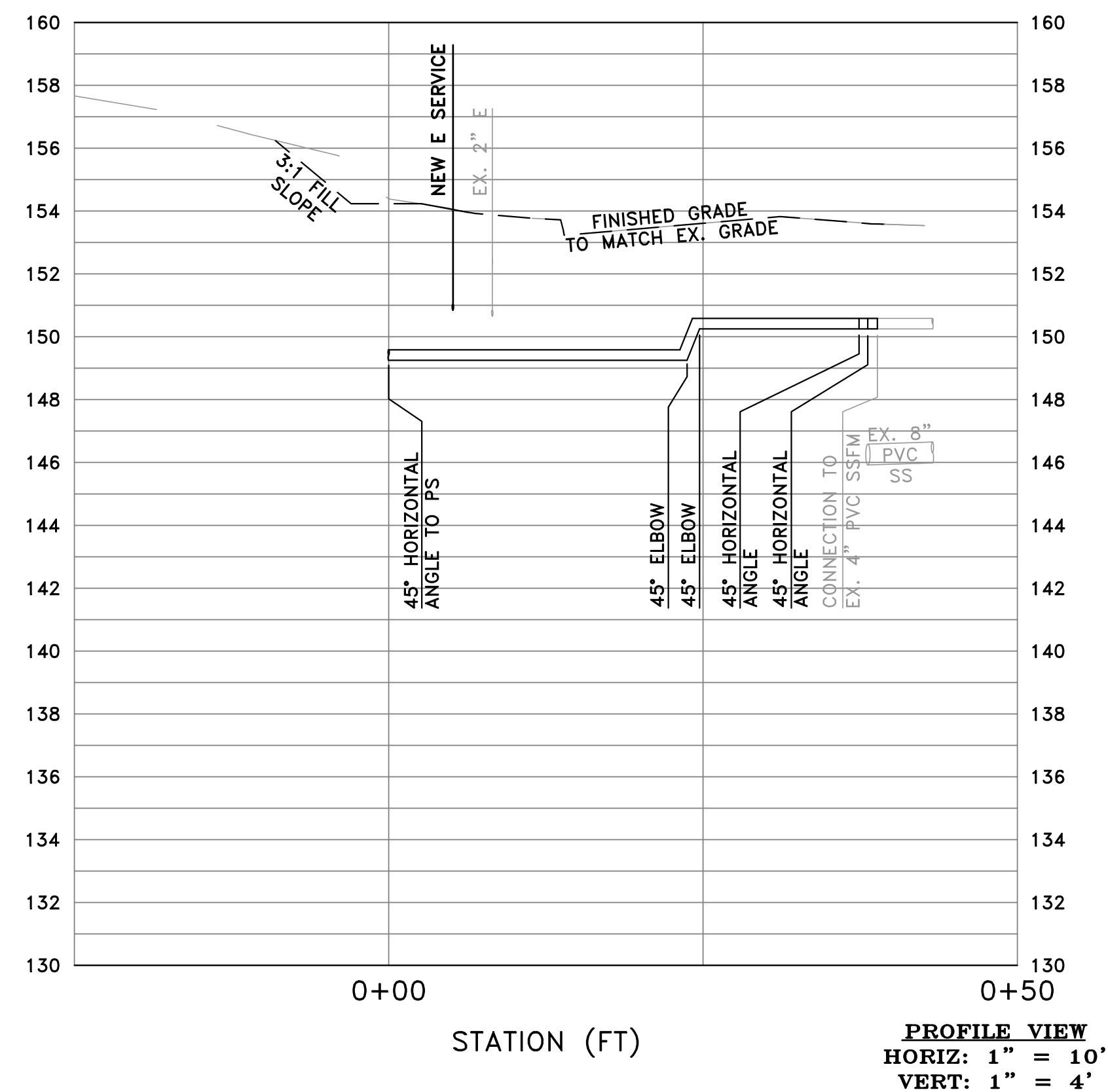
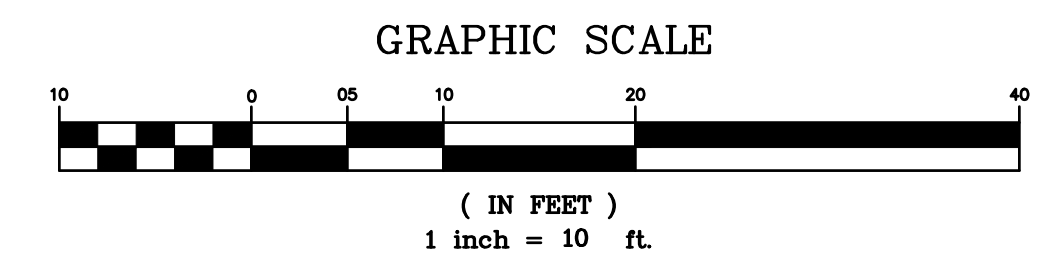
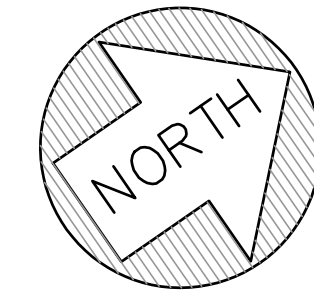
WEST BAY
 SANITARY DISTRICT
 SAN MATEO COUNTY
 PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
PLAN AND PROFILE - GRAVITY MAIN
MENLO PARK, CALIFORNIA

SHEET
 4
 JOB NO.
 1089



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 2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID ANY DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF UTILITIES TO PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY U.S.A. TO LOCATE UTILITIES AT THE PROJECT SITE PRIOR TO CONSTRUCTION.
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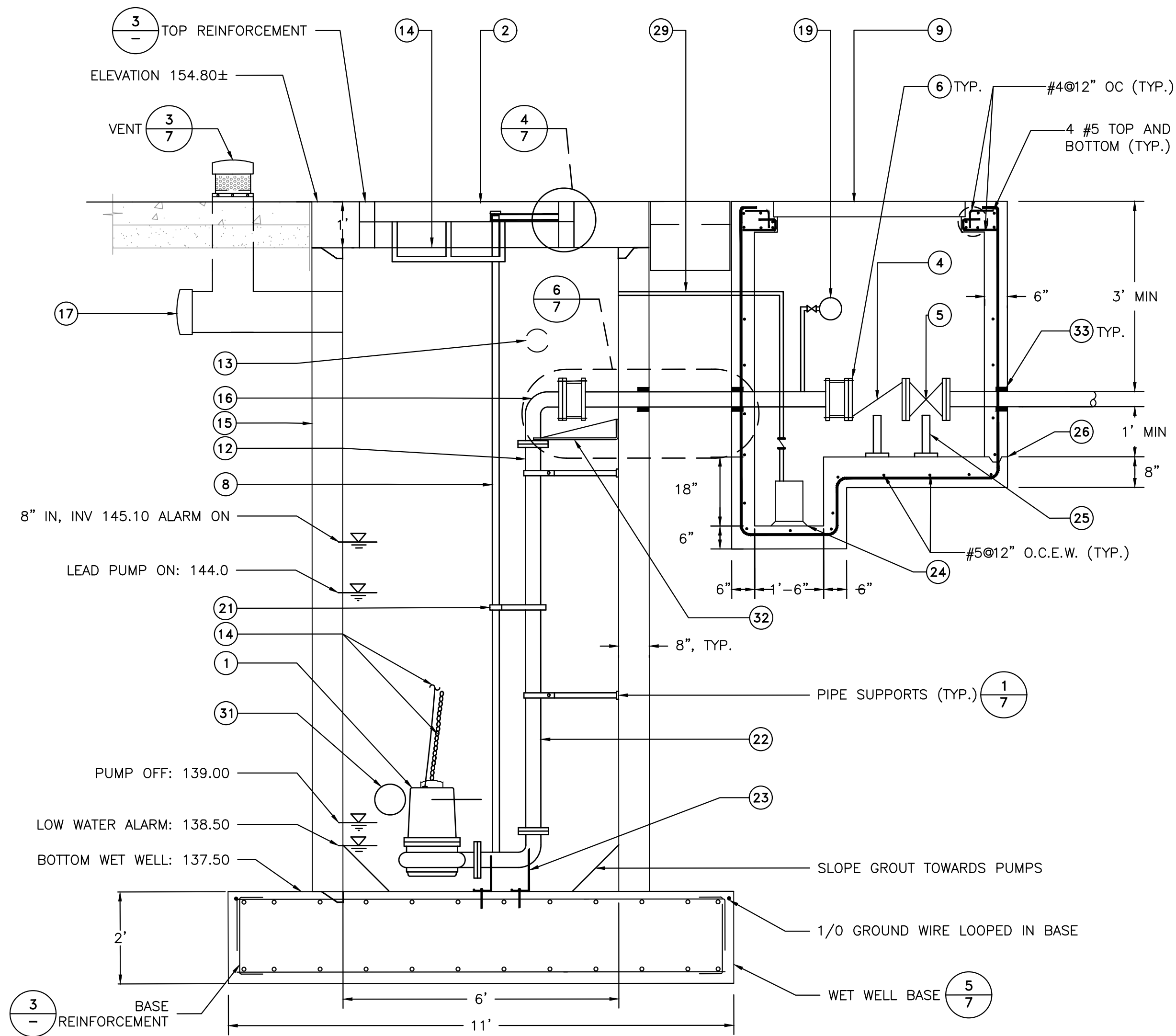
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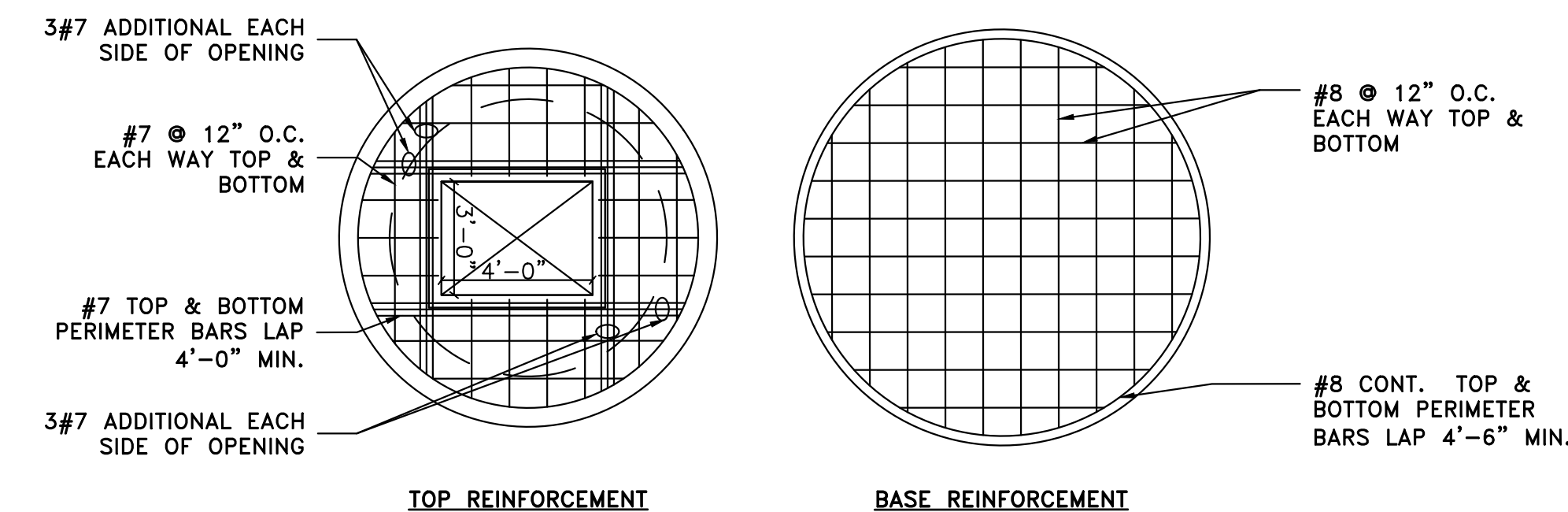
WEST BAY
 SANITARY DISTRICT
 SAN MATEO COUNTY
 PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
PLAN AND PROFILE - SSFM
MENLO PARK, CALIFORNIA

SHEET
5
 JOB No.
1089



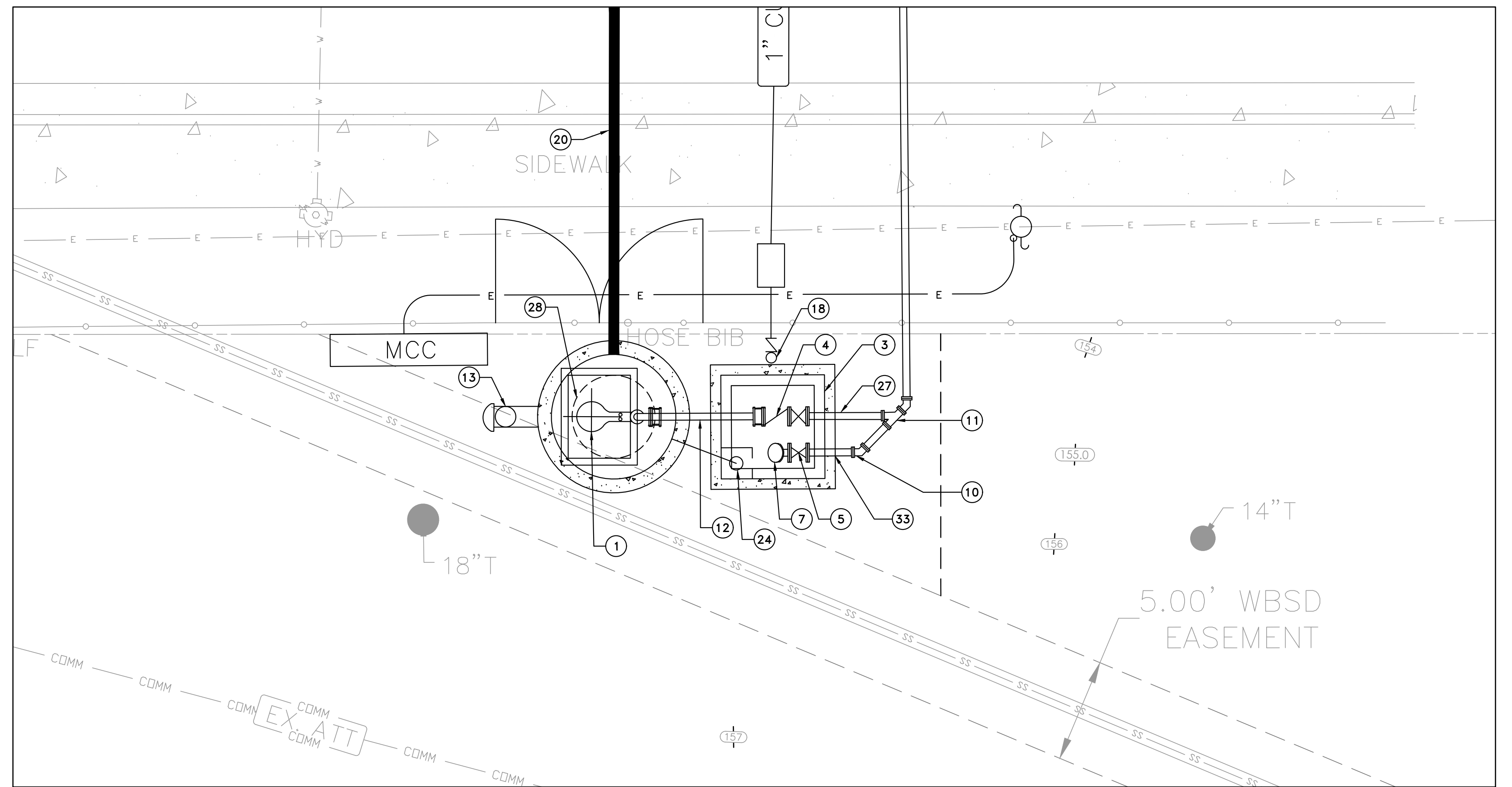
1 PUMP STATION – ELEVATION
SCALE: NOT TO SCALE



3 PUMP STATION – TOP AND BASE REINFORCEMENT
SCALE: NOT TO SCALE

LEGEND:

- 1 SIMPLEX FLYGT PUMP SYSTEM
- 2 TRAFFIC DUTY, SINGLE DOOR FLYGT ACCESS COVER, 36" x 48", ACTUAL OPENING, WITH STEEL GRATE SAFETY HATCH.
- 3 5' x 5' VALVE VAULT
- 4 4" CHECK VALVE
- 5 4" ECCENTRIC PLUG VALVE
- 6 4" FLANGE COUPLING ADAPTER
- 7 4" DIP BYPASS WITH CAMLOCK CONNECTOR (FEMALE ADAPTOR W/ MALE CAP)
- 8 STAINLESS STEEL GUIDE BARS. (CONTINUOUS, NON-BOLTED RAIL)
- 9 HEAVY DUTY, DOUBLE DOOR ACCESS COVER 48" X 48" ACTUAL OPENING, SUITABLE FOR H-20 LOADING
- 10 4" 45° DIP BEND
- 11 4" X 4" X 4" DIP WYE
- 12 4" CL 50 DIP
- 13 VENT (3/7)
- 14 TYPE 316 STAINLESS STEEL CHAIN & CABLE HOLDER AND POWER CABLE.
- 15 6' DIA. WET WELL (5/7)
- 16 4" LONG RADIUS ELL.
- 17 PVC CAP
- 18 NEW HOSE BIB WITH BACKFLOW PREVENTER
- 19 PRESSURE GAUGE WITH SHUTOFF VALVE AND DIAPHRAGM SEAL. ELEVATION AS DIRECTED BY DISTRICT. TYPICAL OF EACH DISCHARGE LINE, 1 TOTAL. PROVIDE 90° ELL TO READ GAUGES EASILY.
- 20 NOT USED
- 21 INTERMEDIATE GUIDE BAR BRACKET
- 22 EPOXY FUSION COATED, CAST IRON DISCHARGE CONNECTION WITH BRACKETS.
- 23 STAINLESS STEEL ANCHOR BOLTS, 4 TOTAL
- 24 SUBMERSIBLE SUMP PUMP IN PIT
- 25 CONCRETE PIPE SUPPORTS WITH 1/8" BUNA-N LINING
- 26 WATER STOP
- 27 4" DI FORCE MAIN
- 28 GROUT CIRCLE
- 29 1-1/4" SCHED. 40 PVC WITH CHECK VALVE. NO JOINTS WITHIN EXISTING WET WELL.
- 30 NOT USED
- 31 WATER STOP AROUND PIPE
- 32 PIPE THRUST BRACE
- 33 FORCEMAIN WALL PENETRATION DETAIL (2/7)
- 34 NOT USED



2 PUMP STATION – DETAIL PLAN
SCALE: 1" = 4'

SANITARY SEWER PUMP STATION

1. Discharge piping from the wet well to the point of connection shall be ductile iron AWWA C151, Class 350, flanged, fusion bonded epoxy coated inside and outside. Provide insulating gaskets where ductile iron discharge piping is in contact with dissimilar metals. Provide stainless steel 316 nuts and bolts. Fittings shall be AWWA C110, with characteristics listed above. Buried pipe shall also be polyethylene encased in conformance with ANSI/AWWA A21.5/C105, "Polyethylene Encasement for Ductile Iron Piping for Water and Other Liquids."
2. Pumps shall be 4" model NP-3127 Flygt pumps with #487 impeller, 10 horsepower, 3 phase, 1745 RPM, complete with discharge connection, anchor bolts, guide bars and brackets, power cable and lifting chain. Pumps shall be capable of discharging 216 GPM at 84.4 feet total dynamic head. Pumps and pump appurtenances shall be installed according to manufacturer's specifications. Control Panel shall be installed per manufacturer's specifications with alarm bell. Control panel shall be served with 480V three phase power for pump operation.
3. Level sensors shall be ultrasonic with float backup for high level alarm and low level alarm, set to an elevation as directed by District representative.

GENERAL NOTES

1. Excavations shall be adequately shored, braced and sheeted so that the earth will not slide or settle and so that all existing improvements of any kind will be fully protected from damage. Any damage resulting from a lack of adequate shoring, bracing, or sheeting shall be the responsibility of the contractor and he shall complete necessary repairs or reconstruction at his own expense. Where the excavation for a conduit trench is five (5) feet or more in depth, the contractor shall provide sheeting, shoring and bracing in conformance with the applicable construction safety orders of the Division of Industrial Safety of the State of California. The contractor shall comply with O.S.H.A. requirements at all times.
2. Provide thrust restraint for bends and fittings in pressure pipe. (Min 5 S.F. of surface area)
3. All buried ductile iron pipe shall have mechanical joint connections.
4. All switchgear to be rated for outdoor use.

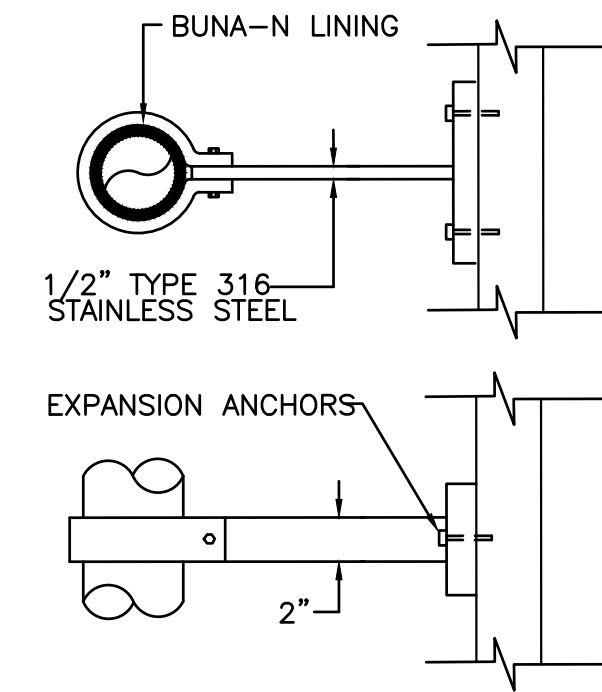
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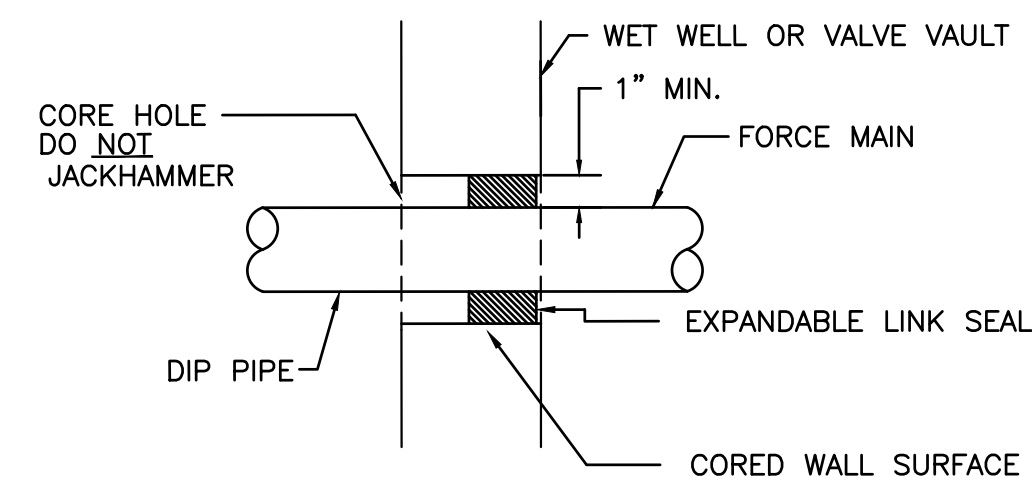
WEST BAY
SANITARY DISTRICT
SAN MATEO COUNTY
PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
PUMP STATION PLAN AND ELEVATION
MENLO PARK, CALIFORNIA

SHEET
6
JOB NO.
1089

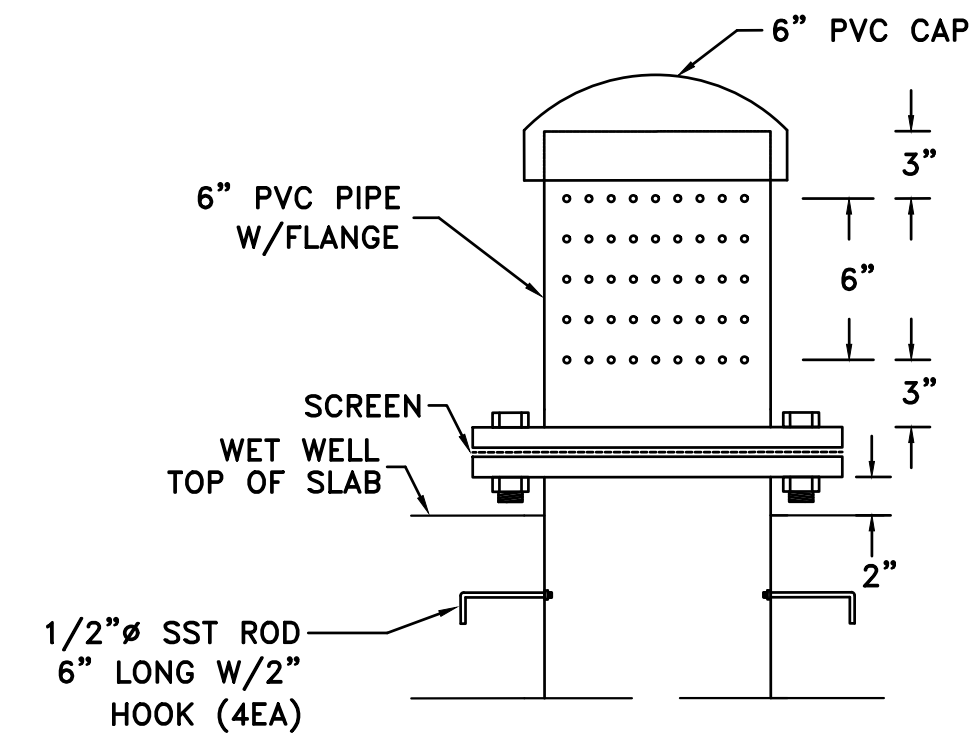


1 PIPE SUPPORT (TYP.)
NOT TO SCALE

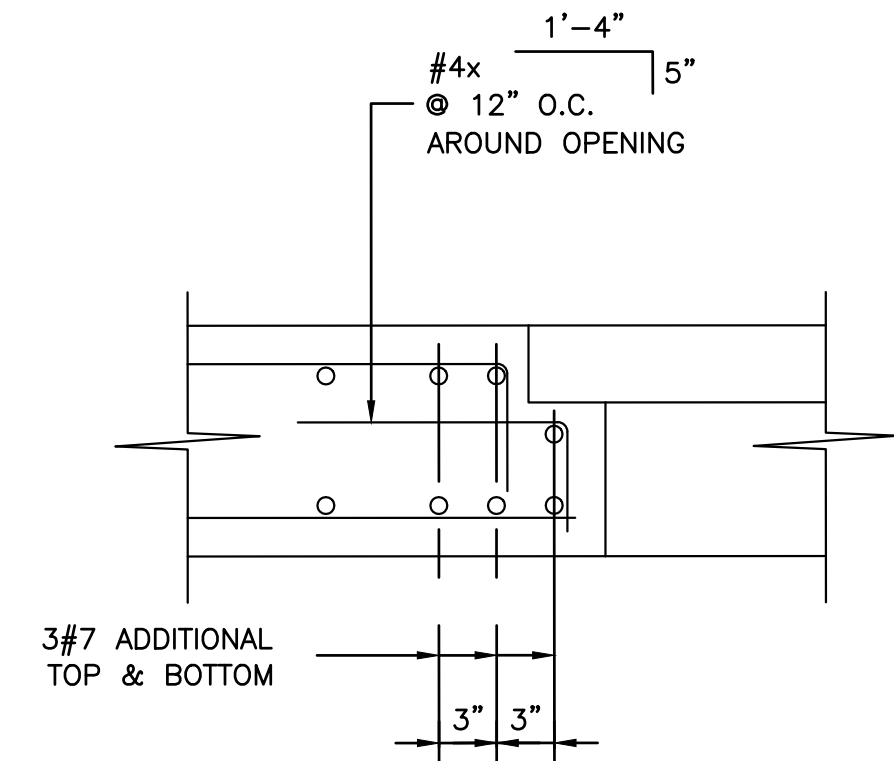


NOTE: TYPICAL FOR ALL FORCE MAINS THROUGH CONCRETE EXCEPT 10" THICK VALVE VAULT WALL

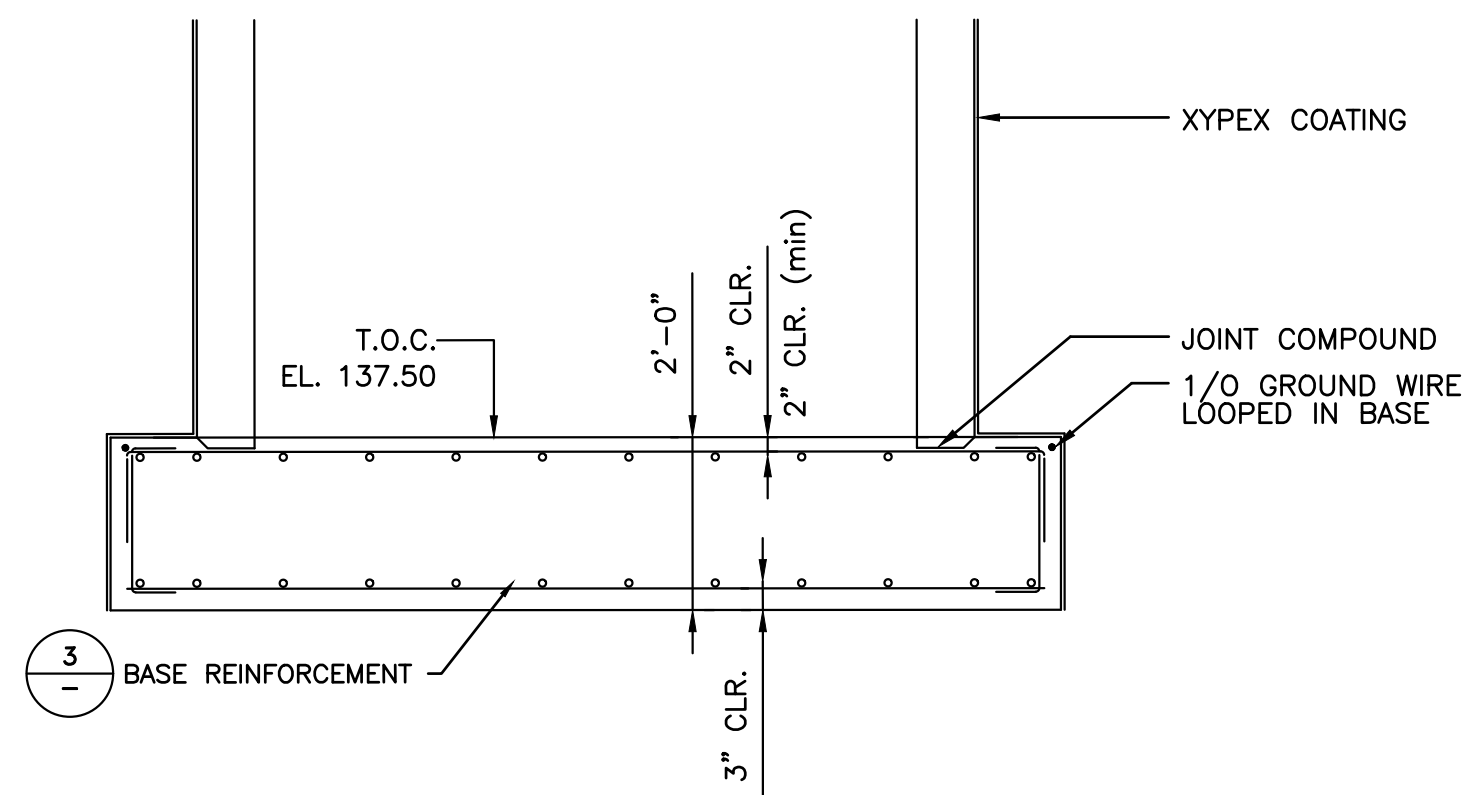
2 FORCEMAIN WALL PENETRATION DETAIL (TYP.)
NOT TO SCALE



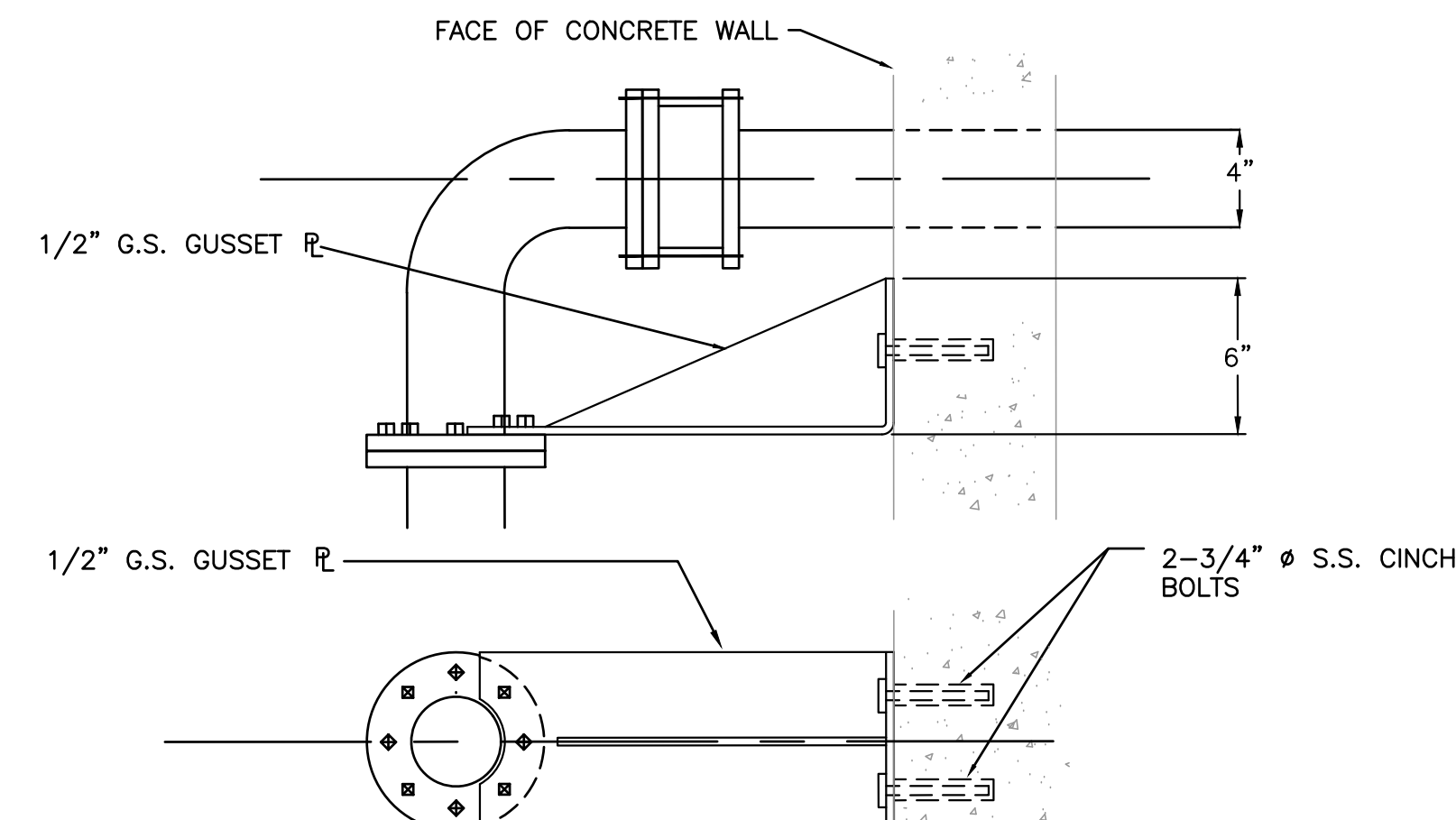
3 VENT DETAIL
NOT TO SCALE



4 REBAR PLACEMENT (TYP.)
NOT TO SCALE



5 WET WELL BASE (TYP.)
NOT TO SCALE



6 PIPE THRUST BRACE
NOT TO SCALE

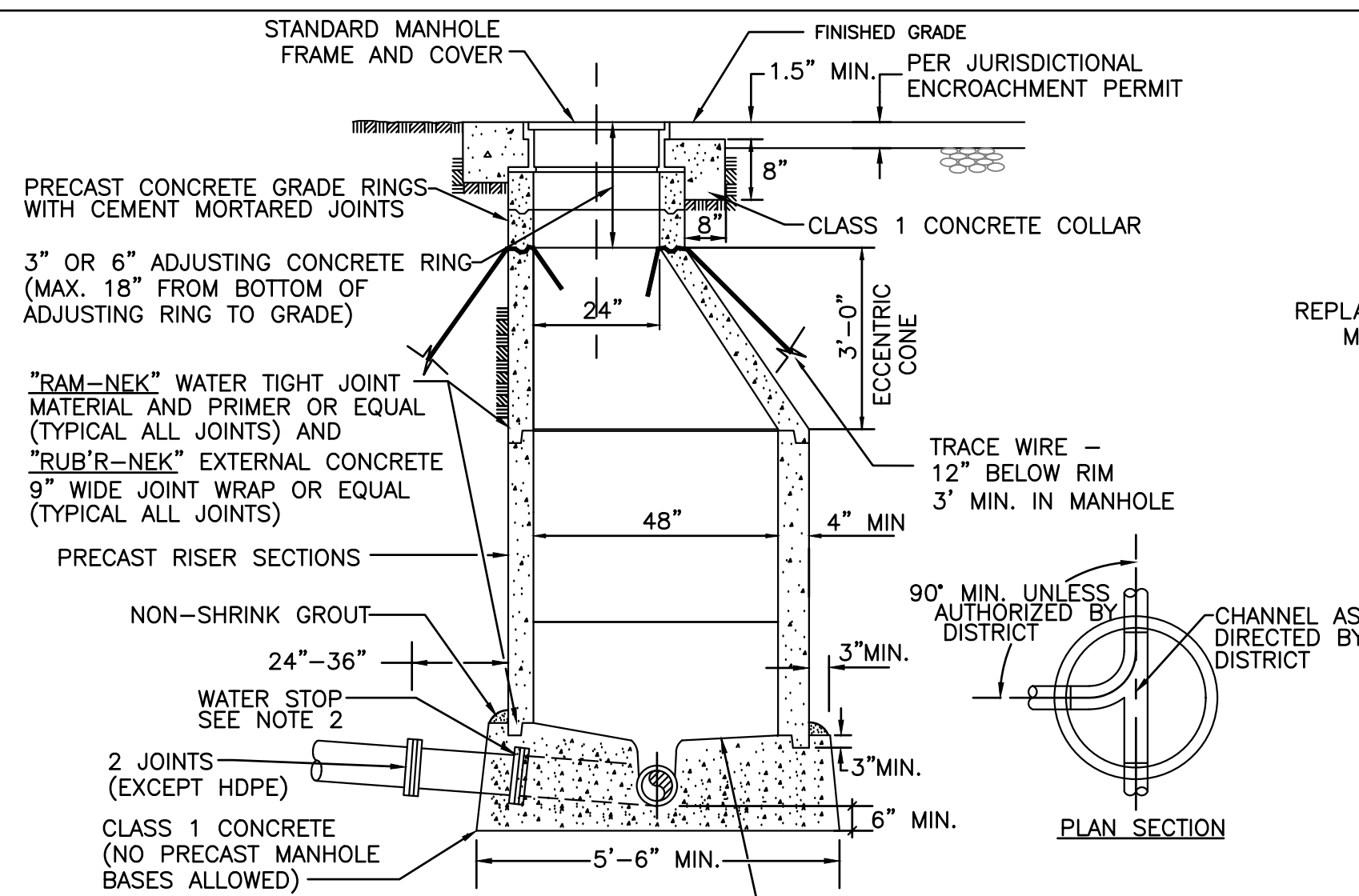
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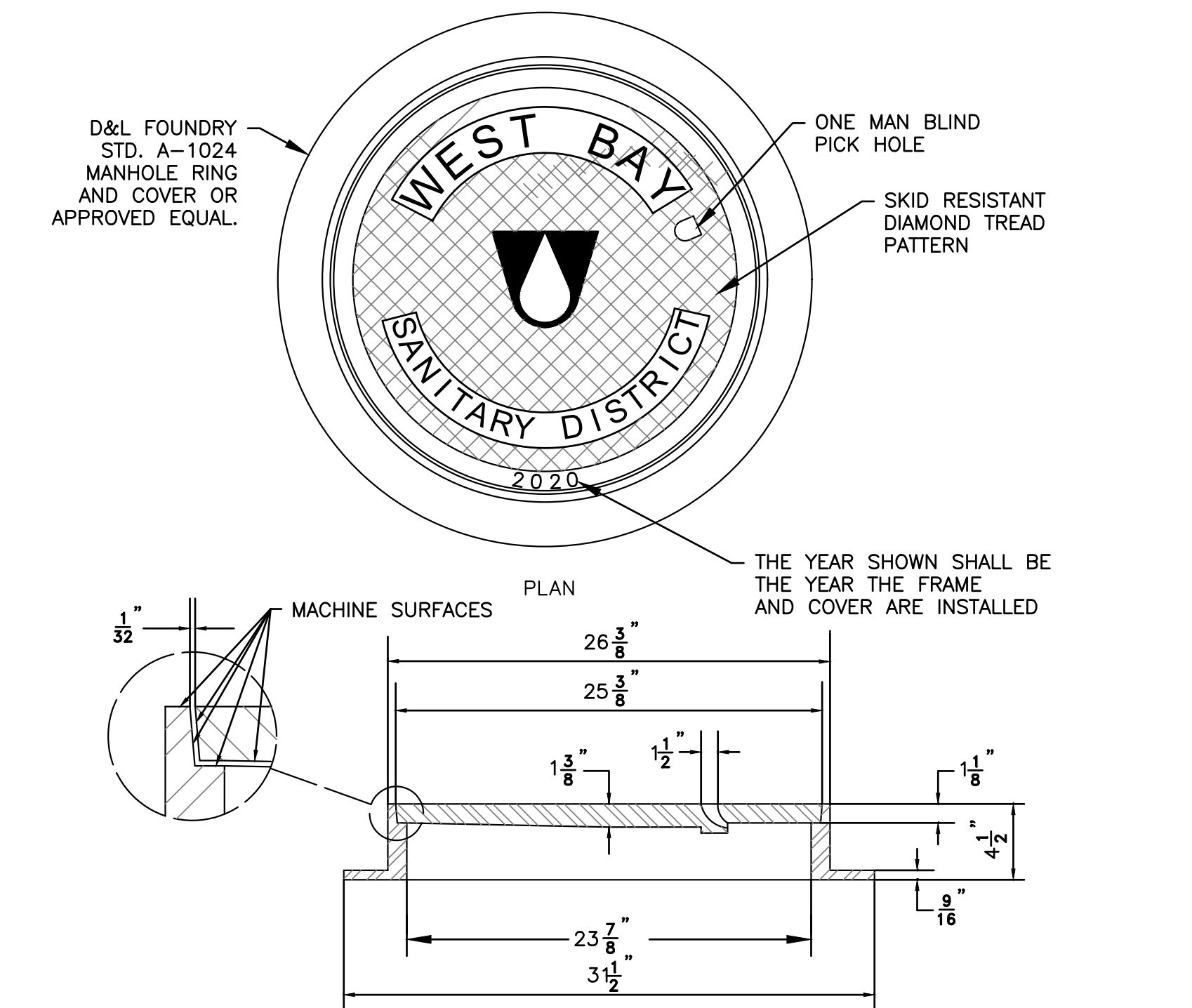
AVY ALTSCHUL PUMP STATION PROJECT
PUMP STATION DETAILS
MENLO PARK, CALIFORNIA

SHEET
 7
 JOB NO.
 1089



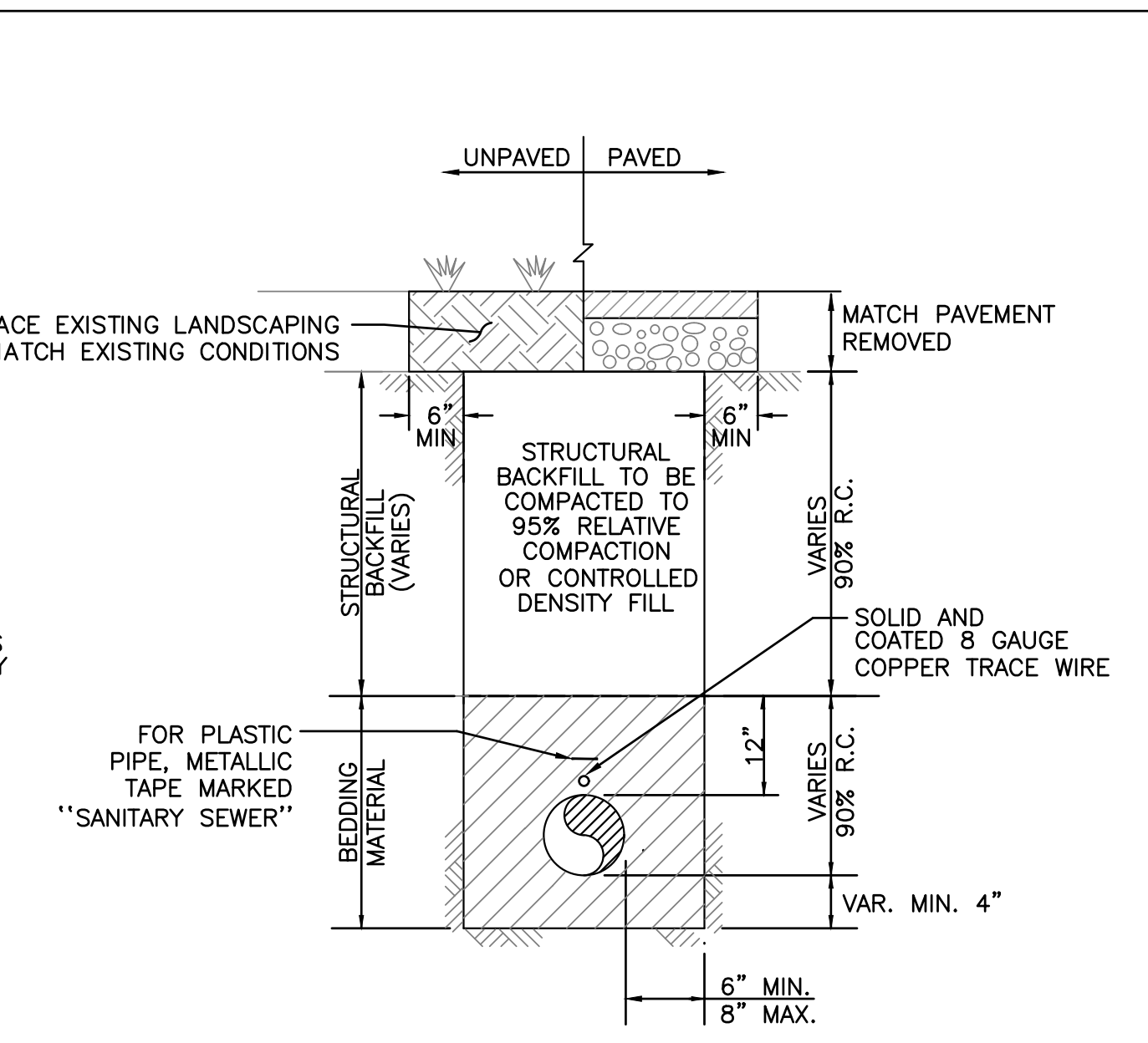
- NOTES:**
- MANHOLE BASES SHALL BE PLACED ON IMPORTED BEDDING MATERIAL COMPACTED TO 95% RELATIVE COMPACTION.
 - AN APPROVED WATER STOP SHALL BE INSTALLED ON ALL FLEXIBLE PIPE ENTERING OR LEAVING A MANHOLE, AND CENTERED UNDER MANHOLE WALL.
 - INSTALL "RAM-NEK" WATER TIGHT JOINT MATERIAL OR EQUAL BETWEEN EACH JOINT OF CONE AND BARREL SECTIONS TO MAKE A FLEXIBLE WATERTIGHT JOINT. AFTER JOINT IS MADE, TRIM JOINT SMOOTH ON INSIDE OF MANHOLE.
 - STEPS IN MANHOLES ARE NOT ALLOWED.
 - TRACE WIRE SHALL BE SOLID AND COATED 8 GAUGE COPPER WIRE PLACED 12" BELOW RIM WITH 3' COILED UP IN MANHOLE.
 - MANHOLES SHALL BE VACUUM TESTED.
 - ECCENTRIC CONE SHALL BE POSITIONED IN SUCH A MANNER OVER CENTER OF PIPE FOR INSTALLATION OF FLOW METER SENSOR BRACKET.
 - CONCRETE PLATFORMS MAY BE REQUIRED ON A CASE BY CASE BASIS.

MANHOLE FOR 21" DIAMETER AND SMALLER PIPE



- NOTES:**
- CAST IRON FOR FRAME AND COVER SHALL BE CLASS 30 MINIMUM PER ASTM A-48.
 - COVERS SHALL BE H-20, FULL VEHICULAR TRAFFIC LOADING, RATED AND SHALL NOT EXCEED 145 POUNDS IN WEIGHT.
 - THE FRAME AND COVER SHALL BE PAINTED OR DIPPED IN ASPHALT PRIOR TO LEAVING FOUNDRY.

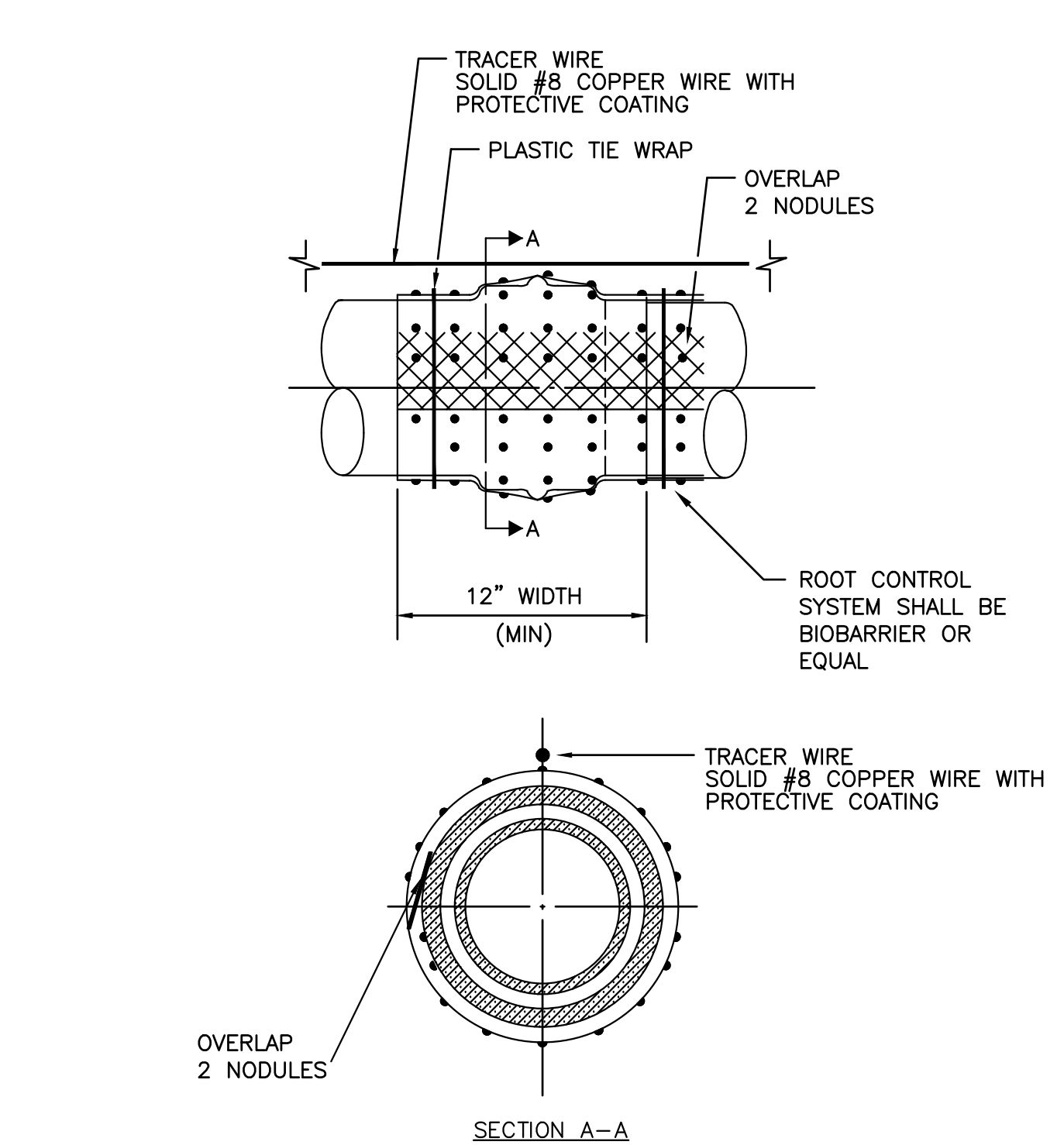
MANHOLE FRAME AND COVER



TYPICAL TRENCH SECTION

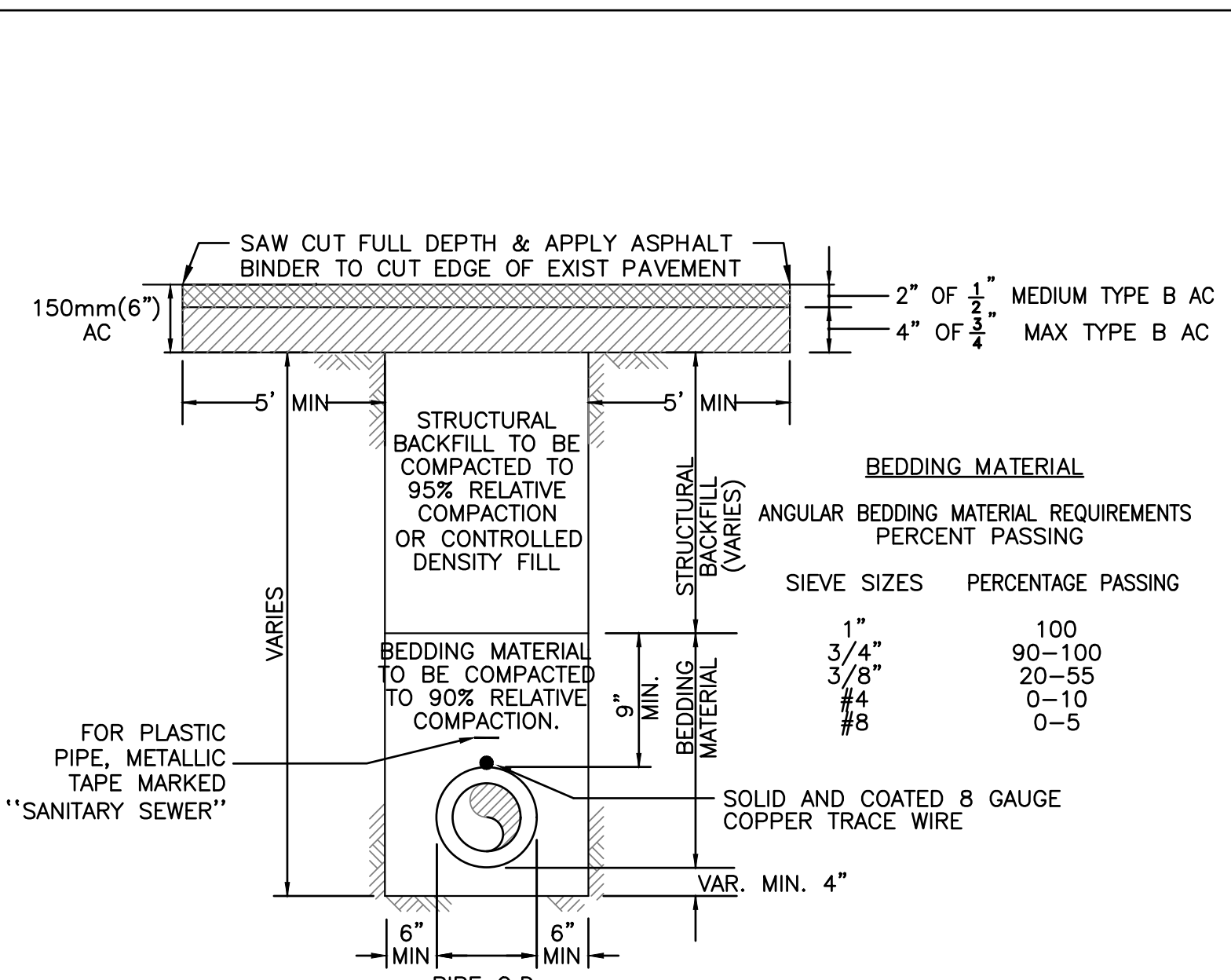
BEDDING MATERIAL		STRUCTURAL BACKFILL	
ANGULAR BEDDING MATERIAL REQUIREMENTS PERCENT PASSING	PERCENTAGE PASSING	STRUCTURAL BACKFILL REQUIREMENTS PERCENT PASSING	PERCENTAGE PASSING
SIEVE SIZES	PERCENTAGE PASSING	SIEVE SIZES	PERCENTAGE PASSING
1"	100	1-1/2"	100
3/4"	90-100	3/4"	80-100
3/8"	20-55	#4	30-60
#4	0-10	#30	5-35
#8	0-5	#200	0-12

UTILITY TRENCH-IN EASEMENT AREAS



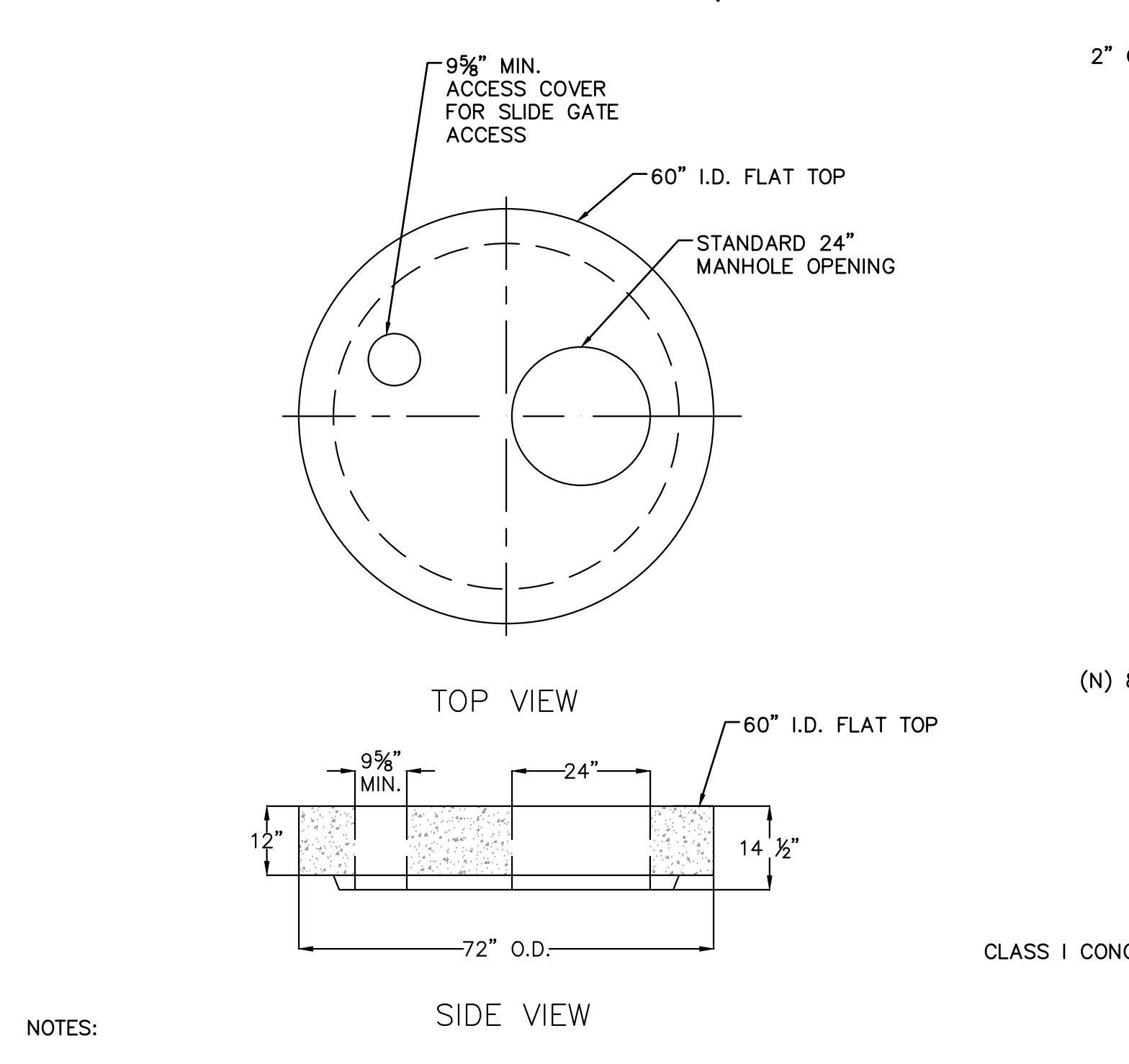
- APPLICATION:**
- ALL NEW MAIN SEWER PROJECTS.
 - ALL NEW OR REPLACEMENT SANITARY SEWER LATERAL CONNECTIONS.
 - SANITARY SEWER LATERAL REPAIRS.

ROOT CONTROL SYSTEM



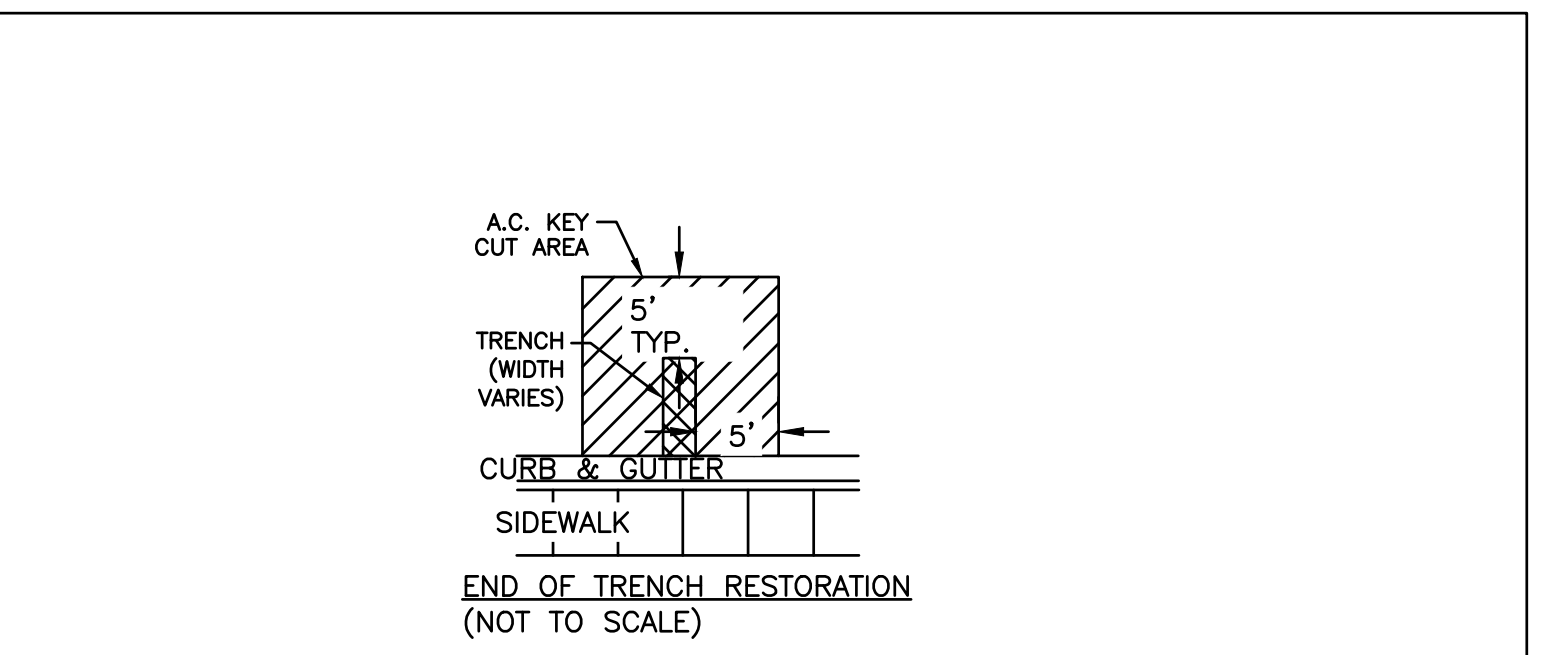
FULL DEPTH AC PAVEMENT, 150mm(6") MIN. BUT SHALL NOT BE LESS THAN EXISTING EXISTING PAVEMENT SECTION.

UTILITY TRENCH-CITY OF MENLO PARK-RIGHT OF WAY (MODIFIED PER CITY OF MENLO PARK STANDARDS)

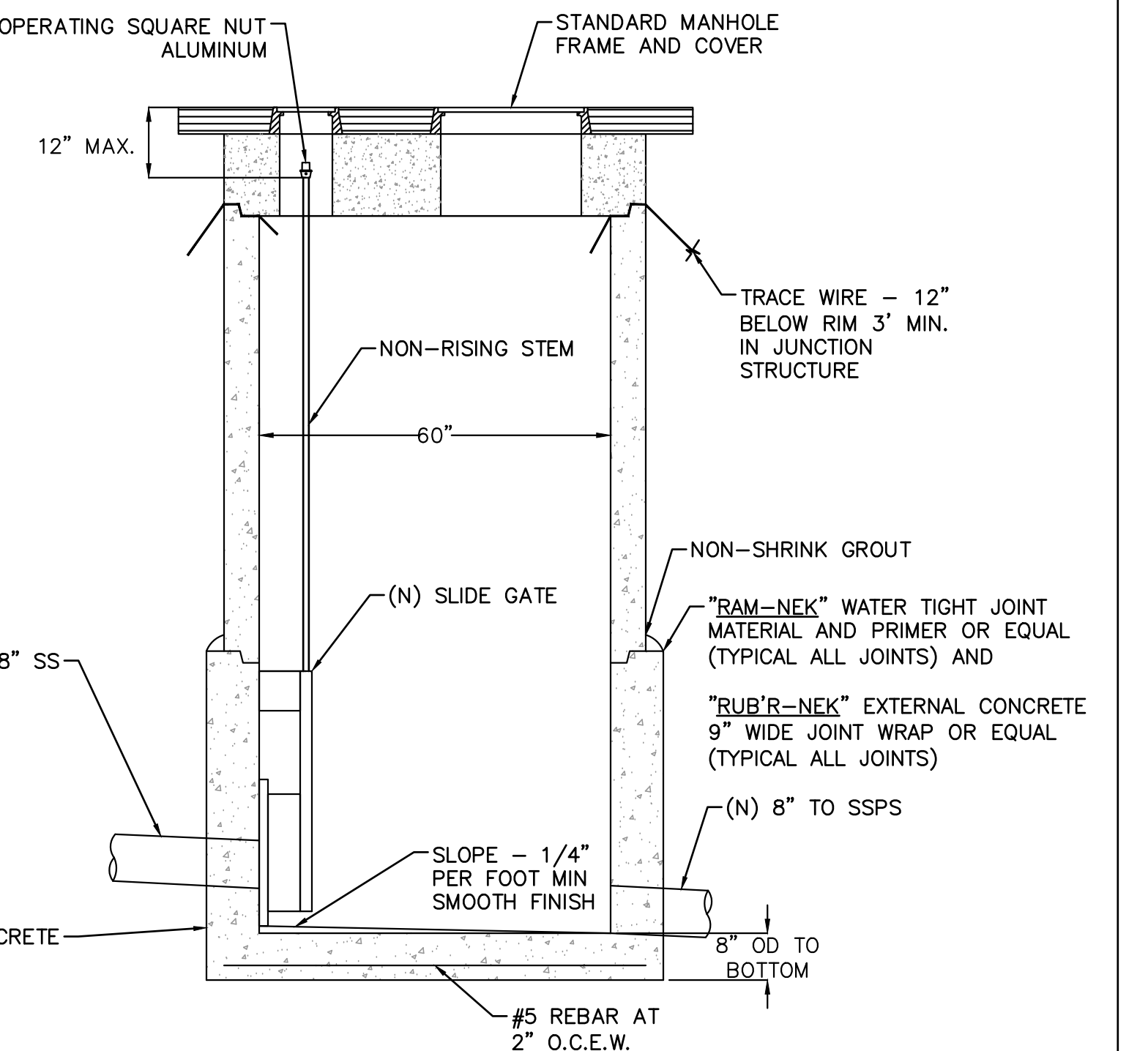


- NOTES:**
- JUNCTION STRUCTURE SHALL BE VACUUM TESTED.
 - TRACE WIRE SHALL BE SOLID AND COATED 8 GAUGE COPPER WIRE PLACED 12" BELOW RIM WITH 3' COILED UP IN JUNCTION STRUCTURE.
 - SHEAR JOINT SHALL BE INSTALLED ON ALL INCOMING AND OUTGOING PIPES A DISTANCE OF ONE PIPE DIAMETER AWAY FROM THE OUTSIDE OF THE JUNCTION STRUCTURE.
 - SLIDE GATE SHALL HAVE A NON-RISING STEM, BE SELF-CONTAINED AND HAVE A MINIMUM OPENING OF 8 INCHES IN WIDTH BY 8 INCHES IN HEIGHT.
 - ACCESS COVERS SHALL BE AASHTO H20 RATED.

JUNCTION STRUCTURE WITH SLIDE GATE DETAIL



- NOTE:**
- THE MIX DESIGN FOR CDF SHALL MEET THE FOLLOWING REQUIREMENTS:
 CEMENT 50-100 LB/CU. YD
 FLY ASH, CLASS F 10-2000 LB/CU. YD
 FINE AGGREGATE 2600-3100 LB/CU.YD
 WATER 325/580 LB/CU.YD
 STRENGTH @ 28 DAY 50-100 PSI
 - STRUCTURAL BACKFILL MATERIAL: MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY MATERIAL AS FOLLOWS:
 SIEVE SIZE % PASSING SIEVE
 75mm (3") 100
 No. 4 35-100
 No. 30 20-100
 - SLURRY SEALING: SEE "STANDARDS FOR TRENCH CONSTRUCTION SEAL COAT" DETAIL
 - THE WEST BAY SANITARY DISTRICT SHALL BE RESPONSIBLE FOR THE PAYMENT OF PAVEMENT RESTORATION OVER THE MAXIMUM TRENCH WIDTH AS SHOWN ON THE ABOVE DETAIL. ANYTHING BEYOND THE MAXIMUM TRENCH WIDTH, INCLUDING PAVEMENT FAILURE CAUSED BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS AUTHORIZED BY THE DISTRICT.
 - CONTRACTOR SHALL PLACE SLURRY SEAL IN CONFORMANCE WITH CITY OF MENLO PARK STANDARD DETAIL ST-16, PER CITY OF MENLO PARK STANDARD DETAIL ST9A.



- NOTES:**
- JUNCTION STRUCTURE SHALL BE VACUUM TESTED.
 - TRACE WIRE SHALL BE SOLID AND COATED 8 GAUGE COPPER WIRE PLACED 12" BELOW RIM WITH 3' COILED UP IN JUNCTION STRUCTURE.
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JUNCTION STRUCTURE WITH SLIDE GATE DETAIL

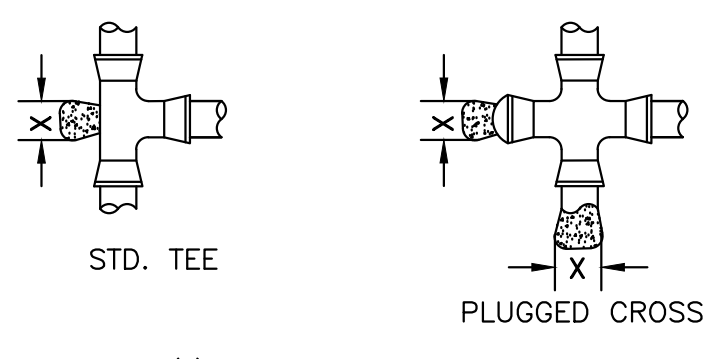
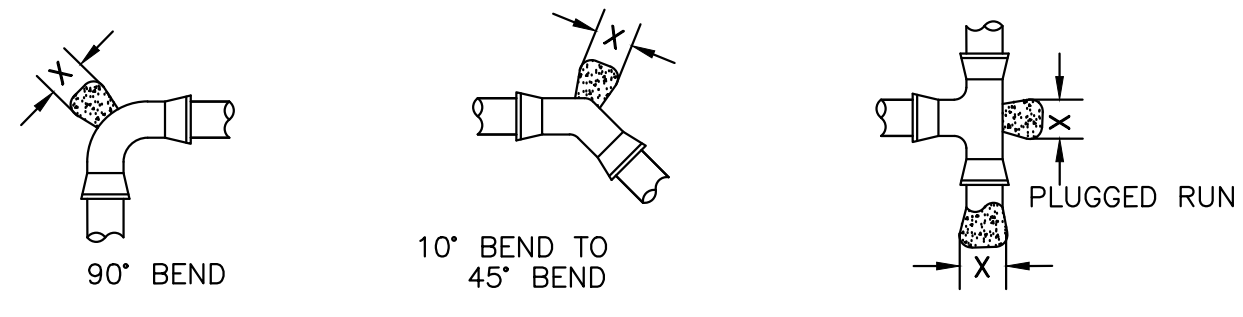
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AVY ALTSCHUL PUMP STATION PROJECT
 CIVIL DETAILS
 MENLO PARK, CALIFORNIA

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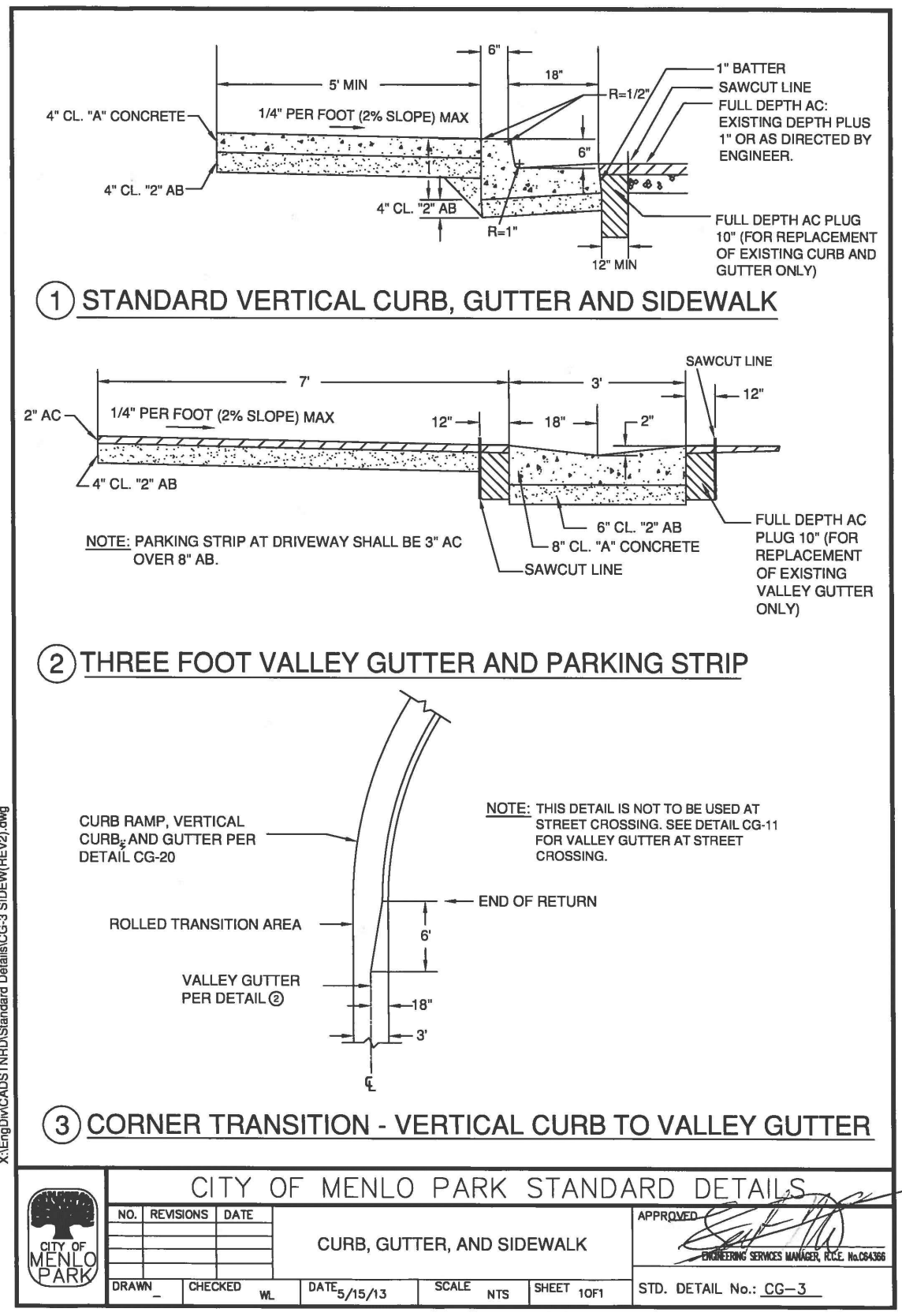


NOTE:
 1. ALL THRUST BLOCK SHALL BEAR AGAINST UNDISTURBED EARTH
 2. CONCRETE SHALL BE CLASS A.

TYPE OF FITTING	AREA (X) IN SQ. FEET		
	4"	6"	8"
90° ELL	2	5	8
45° ELL	1	3	5
12 1/2" ELL	1	2	3
11 1/4" ELL	1	1	2
PLUG/TEE	1.5	4	6

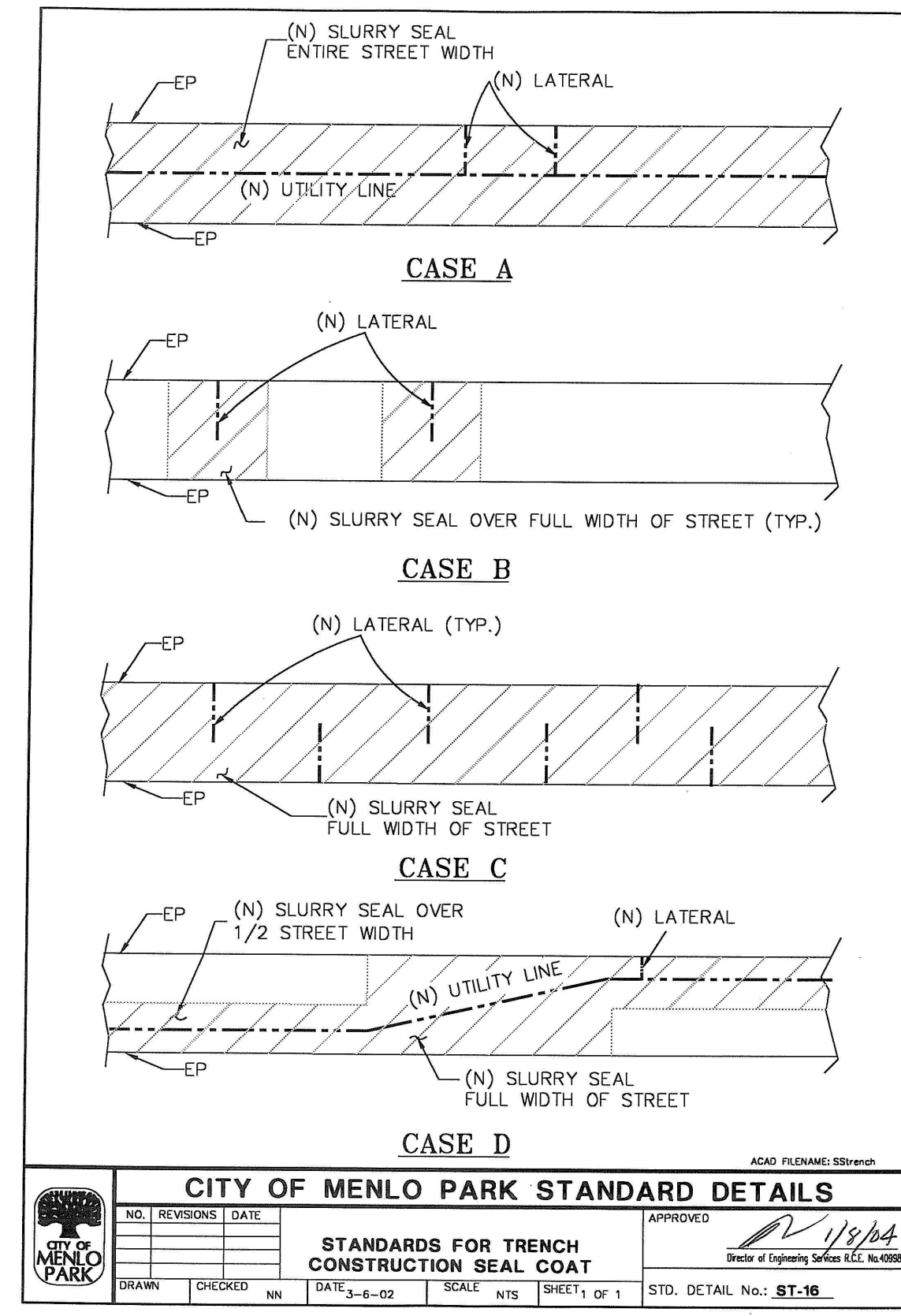
BASED ON SOIL BEARING VALUE OF 2000 LBS PER SQ. FT. AND WATER PRESSURE OF 224 PSI. F-FORM AS REQUIRED TO KEEP CONCRETE OFF MECHANICAL JOINT OR FLANGE BOLTS.

THRUST BLOCK DETAIL



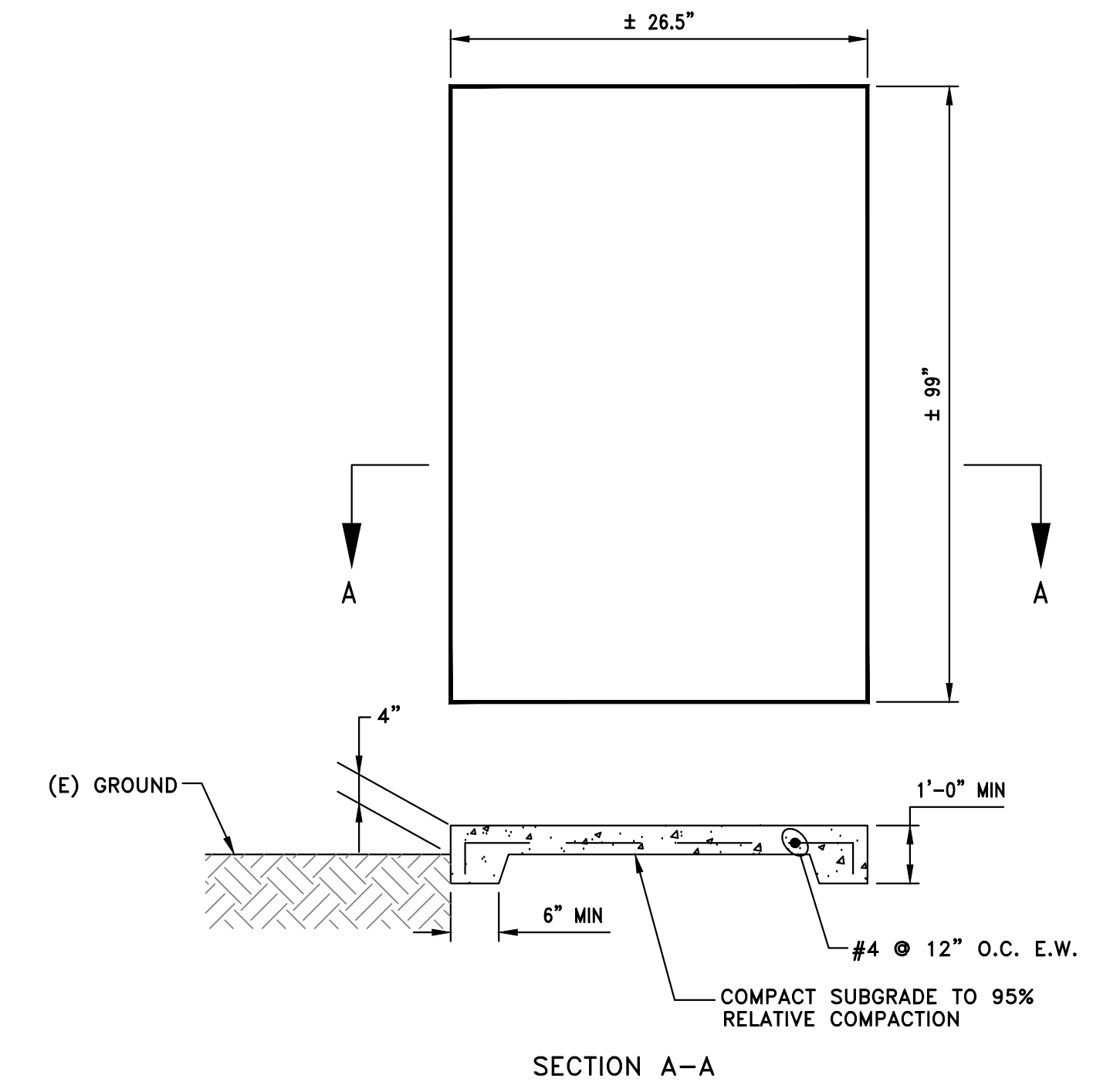
CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS		DATE		APPROVED		DATE			
						5/15/13			
CURB, GUTTER, AND SIDEWALK									
DRAWN		CHECKED		SCALE		SHEET		STD. DETAIL No.: CG-3	

STANDARDS FOR CURB, GUTTER, AND SIDEWALK



CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS		DATE		APPROVED		DATE			
						3-6-02			
STANDARDS FOR TRENCH CONSTRUCTION SEAL COAT									
DRAWN		CHECKED		SCALE		SHEET		STD. DETAIL No.: ST-16	

SLURRY SEAL CITY OF MENLO PARK



- NOTES:
1. CONCRETE FOUNDATION PAD DIMENSIONS ARE SHOWN AS APPROXIMATE.
 2. CONCRETE FOUNDATION PAD WILL HAVE A 4" OFFSET FROM THE TESCO PEDESTAL

CONCRETE FOUNDATION PAD FOR TESCO PEDESTAL

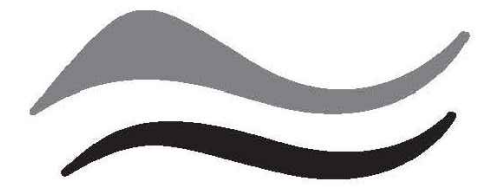
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 SAN MATEO COUNTY
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AVY ALTSCHUL PUMP STATION PROJECT
 CIVIL DETAILS
 MENLO PARK, CALIFORNIA

SHEET	9
JOB No.	1089

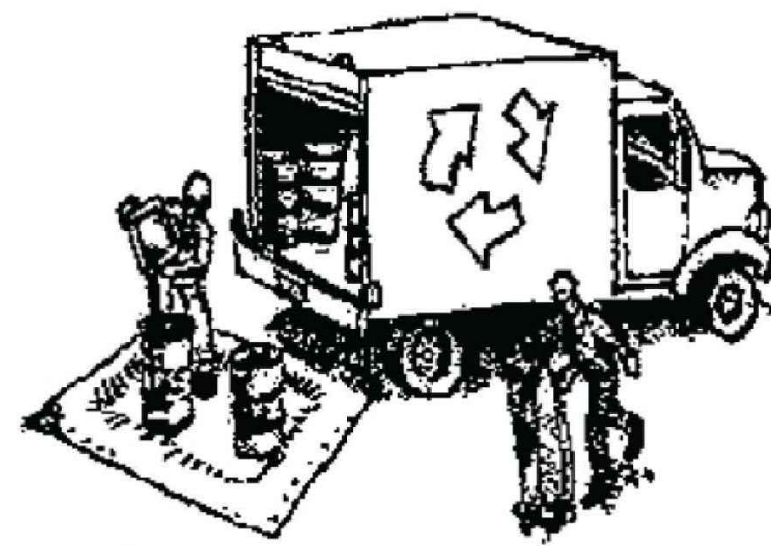


SAN MATEO COUNTYWIDE
**Water Pollution
 Prevention Program**
 Clean Water. Healthy Community.

Construction Best Management Practices (BMPs)

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

Materials & Waste Management



Non-Hazardous Materials

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

Hazardous Materials

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

Waste Management

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

Construction Entrances and Perimeter

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

Equipment Management & Spill Control



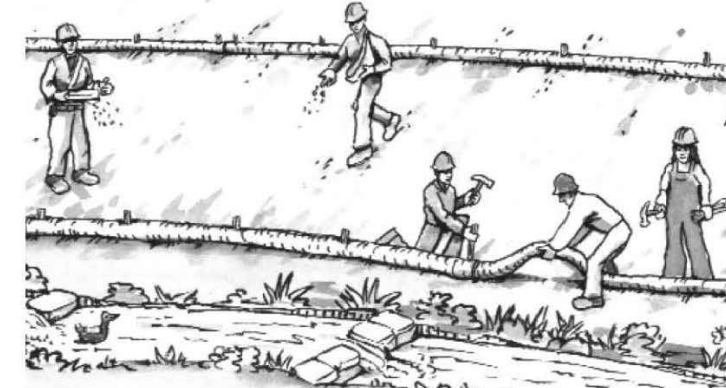
Maintenance and Parking

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

Spill Prevention and Control

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

Earthmoving



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

Contaminated Soils

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

Paving/Asphalt Work



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

Sawcutting & Asphalt/Concrete Removal

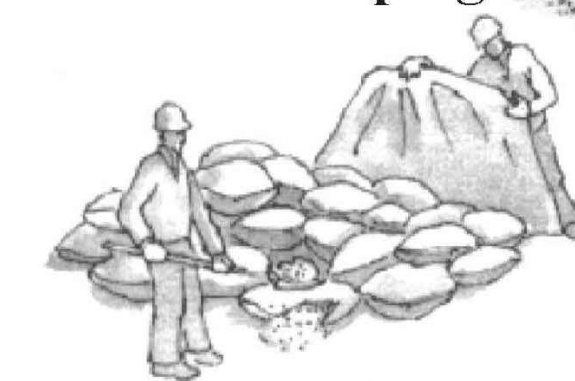
- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, absorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work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

Concrete, Grout & Mortar Application



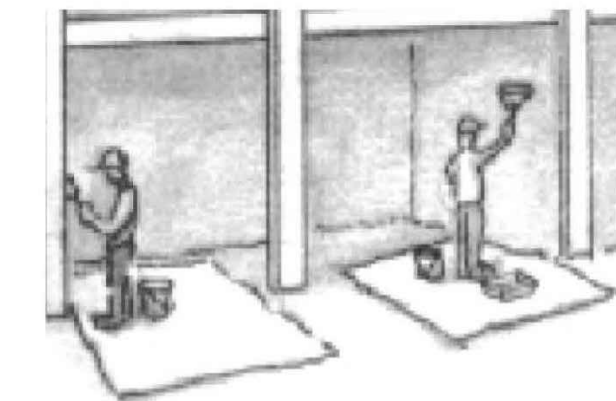
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that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

Landscaping



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

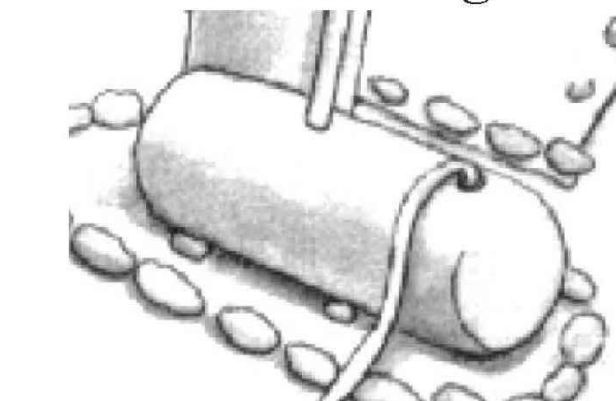
Painting & Paint Removal



Painting Cleanup and Removal

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

Dewatering



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

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

DATE:	05/20/2022	01/10/2022	1st SUBMITTAL
SCALE:	AS NOTED	01/28/2022	65% PLANS
DESIGNED:	LFH & FYM	05/20/2022	UPDATED 65% PLANS
DRAWN:	CSM		
CHECKED:	LFH		
PROJ. ENGR:	RJL		
BY	DATE	DESCRIPTION OF REVISIONS	APP'D

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WEST BAY
 SANITARY DISTRICT
 SAN MATEO COUNTY
 PROJECT No. 1761.7

AVY ALTSCHUL PUMP STATION PROJECT
SAN MATEO COUNTY BMP
MENLO PARK, CALIFORNIA

SHEET	10
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