

GENERAL NOTES

- ALL STATIONING & DISTANCES INDICATED ON THE DRAWINGS ARE BASED ON HORIZONTAL MEASUREMENTS IN FEET.
- THE CONTRACTOR SHALL NOTIFY THE MPWMD AND CALIFORNIA AMERICAN WATER REPRESENTATIVES AT LEAST 2 WORKING DAYS IN ADVANCE OF ANY WORK WHICH WILL REQUIRE THE INSPECTION SERVICES.
- "OWNER" SHALL MEAN THE MPWMD. "UTILITY" SHALL MEAN CALIFORNIA AMERICAN WATER COMPANY. "ENGINEER" IS THE MPWMD PROJECT ENGINEER, PUEBLO WATER RESOURCES.
- AT LEAST 2 WORKING DAYS PRIOR TO ANY EXCAVATION WORK THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 FOR LOCATING AND MARKING UNDERGROUND UTILITIES IN THE AREAS OF WORK.
- THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY, AND ARE BASED ON AVAILABLE UTILITY INFORMATION PROVIDED BY THE UTILITY OWNER AND SELECTED FIELD LOCATING. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT ON THE DRAWINGS, PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING OR NEWLY PLACED UTILITY STRUCTURES AND LINES FROM DAMAGE OR DISRUPTION OF SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE NECESSARY TEMPORARY UTILITY SERVICES AND SHALL RESTORE PERMANENT UTILITY SERVICES DISRUPTED BY CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY LINES AT LEAST ONE WORKING DAY AHEAD OF PIPE LAYING OPERATION TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES. ANY CONFLICTS WILL BE RESOLVED BY THE MPWMD REPRESENTATIVE PRIOR TO PIPE INSTALLATION. IF ANY UNDERGROUND UTILITIES ARE DISCOVERED, THE CONTRACTOR SHALL SUBMIT ACCURATE STAMPED, SIGNED AND DATED DOCUMENTS DESCRIBING THE QUANTITY, SIZE, LOCATION, DEPTH, AND TYPE OF MATERIAL OF FOUND BURIED UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING FOR THE PRESENCE OF CONTAMINATED SOIL AND/OR GROUNDWATER DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MPWMD REPRESENTATIVE IF ANY SUSPECT MATERIALS ARE ENCOUNTERED. CONTACT SHALL BE MADE IMMEDIATELY BY TELEPHONE, WITH WRITTEN NOTIFICATION WITHIN 3 WORKING DAYS.
- ALL TRENCHING OPERATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 8 (CAL/OSHA).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE ON OR OFF THE PROJECT SITE AS A RESULT OF CONSTRUCTION ACTIVITIES INCLUDING THE LACK OF DUST CONTROL AND TRAFFIC CONTROL.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CERTIFY THAT ALL WORK WAS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, VARIATIONS SHALL BE DECLARED AND PRESENTED TO THE MPWMD IN WRITING UPON COMPLETION OF CONSTRUCTION, IN THE FORM OF MARKED UP PLANS SHOWING ALL CHANGES.
- THE ENGINEER AND/OR THE MPWMD REPRESENTATIVE WILL NOT DIRECTLY CONTROL THE PHYSICAL ACTIVITIES OF THE CONTRACTOR OR ANY SUBCONTRACTORS. CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL VERIFY WORK IN FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE MPWMD REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PROJECT ENGINEER FOR APPROVAL AND SHALL COORDINATE ALL WORK TO ALLOW VEHICLE ACCESS TO RESIDENCES AND/OR BUSINESSES NEAR THE PROJECT AREA. EXCEPT WHEN A LANE CLOSURE IS IN EFFECT IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN, NO VEHICLES, EQUIPMENT OR MACHINERY ARE ALLOWED TO PARK ON THE SHOULDER OF GENERAL JIM MOORE BOULEVARD AT ANY TIME.
- ANY AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ORIGINAL CONDITIONS AND HYDROSEEDED SO AS TO RESTORE NATURAL GROWTH, THIS INCLUDES ALL CUT OR FILL SLOPES. HYDROSEED MIX BE NATIVE MIX IN ACCORDANCE WITH REQUIREMENTS ON THE FORMER FORT ORD. A LAYER OF CRETIPEF WEED FREE MULCH, WEED FREE RICE, STERILE BARLEY STRAW, OR OTHER SIMILAR FUNCTIONING PRODUCT SHALL BE INSTALLED FOR EROSION CONTROL. CLEARED DELETERIOUS MATERIAL MUST BE WOODCHIPPED AND USED ON THE SITE AS MULCH.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TEMPORARY CONSTRUCTION WATER APPLICATION FOR WATER USE AND METERING FROM MARINA COAST WATER DISTRICT PHONE NUMBER IS (831) 384-6131.
- CONSTRUCTION SHALL COMPLY WITH THE 2006 STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, STATE OF CALIFORNIA, AND THE CITY OF SEASIDE STANDARD DETAILS AS NOTED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF SAID DOCUMENTS AND SHALL HAVE THEM AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- WATER LINES, VALVES, AND WATER APPURTENANCES SHALL CONFORM TO THE 2017 STANDARD SPECIFICATIONS AND STANDARD PLANS OF THE CALIFORNIA AMERICAN WATER COMPANY.
- ALL CONCRETE, REGARDLESS OF USE, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
- ALL EARTHWORK AND FOUNDATION CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE GEOTECHNICAL INVESTIGATION. CONTACT THE GEOTECHNICAL ENGINEER AT LEAST 48 HOURS PRIOR TO REQUESTING ON-SITE OBSERVATION OR TESTING SERVICES.
- THE CONTRACTOR'S WORK SHALL CONFORM TO THE CITY OF SEASIDE'S ORDINANCE REGARDING MUNITIONS & EXPLOSIVES OF CONCERN (MEC).
- ELECTRICAL AND/OR COMMUNICATIONS CONDUITS SHALL BE NONMETALLIC SCHEDULE 40 P.V.C. PLASTIC RATED 90° C WITH GLUE ON P.V.C. COUPLINGS AND FACTORY MADE ELBOWS AND SWEEPS: CARLON "PLUS40".
- "OWNER" IS THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT (MPWMD), 5 HARRIS COURT BUILDING G, MONTEREY, CA. 94940. MPWMD SHALL REFER TO MPWMD OR MPWMD REPRESENTATIVE.

GENERAL WATER FACILITIES NOTES

CALIFORNIA-AMERICAN WATER COMPANY STANDARD DRAWINGS NO. A, B, C, D)

APPLICABLE TO CONSTRUCTION OF WATER MAIN AND APPURTENANCES FOR MONTEREY, MONTARA FELTON AND EAST PALO ALTO SERVICE TERRITORIES.

- DEFINITIONS: IN THE FOLLOWING NOTES, UTILITY SHALL MEAN CALIFORNIA-AMERICAN WATER COMPANY, 511 FOREST LODGE ROAD, SUITE 100, MONTEREY, CA. 93950 AND INSTALLER SHALL MEAN ANY DEVELOPER, CONTRACTOR PROPERTY OWNER, FIRM OR PERSON WHO HAS BEEN DULY AUTHORIZED BY MPWMD AND CALIFORNIA-AMERICAN WATER COMPANY TO PERFORM WORK ON THE WATER SYSTEMS AND FACILITIES OWNED AND/OR OPERATED BY CALIFORNIA-AMERICAN COMPANY.
- PROJECT CONTACT PERSON: FOR MATTERS RELATED TO WORK TO BE PERFORMED BY INSTALLER, PLEASE CONTACT MPWMD, 5 HARRIS COURT, BLDG. "G", ATTN:MAUREEN HAMILTON, MPWMD AT MHamilton@mpwmd.net .
- INSTALLER REPRESENTATIVE. INSTALLER SHALL ASSIGN AND PROVIDE UTILITY WITH THE NAME AND CONTACT INFORMATION OF A REPRESENTATIVE (JOB FOREMAN) AT THE JOB SITE WHERE THE WORK WILL BE PERFORMED ON UTILITY FACILITIES. INSTALLER'S REPRESENTATIVE IS REQUIRED TO ATTEND ANY PRE-CONSTRUCTION WALK-THROUGH MEETINGS. INSTALLER REPRESENTATIVE IS REQUIRED TO BE ON THE JOBSITE DURING ALL PHASES OF WORK, INCLUDING INSPECTIONS, AND INSTALLER SHALL NOT REPLACE THE REPRESENTATIVE WITHOUT PRIOR APPROVAL FROM UTILITY.
- STATE AND COUNTY ROAD ENCROACHMENT PERMITS. ANY WORK WITHIN A STATE RIGHT-OF-WAY SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE DEPARTMENT OF TRANSPORTATION (CALTRANS), INCLUDING ENCROACHMENT PERMITS. WORK WITHIN A COUNTY RIGHT-OF-WAY SHALL COMPLY WITH COUNTY REQUIREMENTS, INCLUDING ENCROACHMENT PERMITS. IT SHALL BE INSTALLER'S RESPONSIBILITY TO BE THOROUGHLY FAMILIAR WITH THE STATE AND/OR COUNTY STANDARDS OF WORK REQUIRED AND INCLUDE THE FULL COST OF COMPLIANCE INCLUDING TRAFFIC CONTROL, PERMITS, TRENCH FEES, ETC., IN THE RESPECTIVE BIT ITEMS.

UNAUTHORIZED CHANGES & USES CAUTION:
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.

GENERAL WATER FACILITIES NOTES (CONT.)

- OTHER PERMITS. INSTALLER OR HIS REPRESENTATIVE SHALL BE REQUIRED TO VERIFY THE REQUIRED PERMITS FOR THE WORK TO BE PERFORMED AND OBTAIN AND COMPLY WITH ALL NECESSARY PERMITS FOR CONSTRUCTION OF THE WATER SYSTEM, INCLUDING ENCROACHMENT PERMITS, DIGGING AND EXCAVATION ON FORMER FORT ORD PERMIT. INSTALLER IS RESPONSIBLE FOR NOTIFICATION TO MPWMD AND ANY JURISDICTIONAL AGENCIES BEFORE COMMENCEMENT OF WORK.
- IDENTIFICATION OF BURIED UTILITIES. BEFORE ANY WORK ON UNDERGROUND FACILITIES, INSTALLER SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) OR IDENTIFYING ANY BURIED UTILITIES NEAR THE WORK AREA. USA (PHONE 1-800-642-2444) MUST BE GIVEN A 48 HOUR ADVANCE NOTICE. MPWMD IS ONLY RESPONSIBLE FOR MARKING THOSE WATER FACILITIES OWNED BY MPWMD AND SHALL NOT BE RESPONSIBLE FOR MARKING NEW FACILITIES UNTIL MPWMD ACCEPTS OWNERSHIP. ANY CALLS TO THE MPWMD REGARDING SUCH FACILITIES WILL BE FORWARDED TO THE INSTALLER. ANY DAMAGES TO WATER FACILITIES TO BE OWNED BY MPWMD MUST BE REPORTED TO MPWMD IMMEDIATELY AND MPWMD MUST BE ALLOWED TO INSPECT THE APPROVED REPAIRS OR REPLACEMENTS.
- WATER SHUTDOWN NOTICES. INSTALLER SHALL NOTIFY UTILITY OR ASSOCIATED COMPANIES 48 HOURS BEFORE COMMENCING CONSTRUCTION AND FOR NOTIFICATION OF WATER SYSTEM SHUT OFF REQUESTS. INSTALLER MUST ENSURE THAT SHUT DOWN TIME WILL NOT EXCEED FOUR (4) HOURS WITHOUT PRIOR UTILITY AUTHORIZATION.
- INSPECTION NOTICES. WHEN APPLICABLE, INSTALLER SHALL GIVE UTILITY AND CITY OF SEASIDE INSPECTORS 48 HOURS NOTICE (MINIMUM) BEFORE SCHEDULING ANY MEETING OR STARTING CONSTRUCTION, AND 24 HOURS NOTICE (MINIMUM) FOR INSPECTION.
- VERIFICATION OF DATA AND INFORMATION PROVIDED BY UTILITY. NOTICE IS HEREBY GIVEN TO THE INSTALLER THAT UTILITY HAS MADE ALL REASONABLE EFFORTS TO IDENTIFY THE TYPES, LOCATIONS, SIZES AND DEPTHS OF EXISTING OR PLANNED UNDERGROUND OR ABOVEGROUND UTILITIES, STRUCTURES, ROADS, PIPELINES, HARD ROCK, STRATA, TOPOGRAPHY, ETC. SUCH ITEMS, WHEN DEPICTED ON THE PLANS, HAVE BEEN OBTAINED FROM SOURCES OF VARYING RELIABILITY. THEREFORE, UTILITY AND ASSOCIATED COMPANIES CANNOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF SAID INFORMATION. INSTALLER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING FACILITIES BY POT-HOLING ALL WATER LINE CONNECTION POINTS TO CONFIRM SIZE, DEPTH AND MATERIAL TYPE OF EXISTING FACILITIES. IN CASE OF CONFLICT/S, INSTALLER SHALL BRING THE MATTER TO THE ATTENTION OF UTILITY FOR RESOLUTION BEFORE CONTINUING WORK.
- SURVEYING AND LOCATING. INSTALLER IS RESPONSIBLE FOR ALL REQUIRED SURVEYING AND STAKING, SHOWING THE LOCATION AND GRADES FOR INSTALLING THE WATER SYSTEM. INSTALLER IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL SURVEY MONUMENTS AND STAKING WHETHER EXISTING OR DISCOVERED DURING CONSTRUCTION.
- JOBSITE SAFETY. INSTALLER IS SOLELY RESPONSIBLE FOR ANY CURRENTLY APPLICABLE SAFETY LAW OF ANY JURISDICTIONAL AGENCY. INSTALLER IS ALSO RESPONSIBLE FOR PROJECT SITE SAFETY AND FOR PUBLIC SAFETY INCLUDING TRAFFIC CONTROL, 24-HOURS PER DAY FOR ALL DAYS FROM THE NOTICE TO PROCEED THROUGH THE NOTICE OF COMPLETION.
- MATERIAL OF CONSTRUCTION. INSTALLER SHALL PROVIDE AND INSTALL ALL MATERIALS AND INSULATION OF THE WATER DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF MPWMD AND CALIFORNIA-AMERICAN WATER COMPANY, WHICH ARE INCORPORATED HEREIN BY REFERENCE, UNLESS OTHERWISE NOTED ON THESE PLANS. MPWMD HAS THE FINAL DECISION ON ALL MATERIALS, INCLUDING BACKFILL, PIPE, FITTINGS, AND VALVES, THAT WILL BE USED FOR PLACEMENT OF ALL WATER FACILITIES INCLUDING ANY NEW WATER MAIN.
- WORK COORDINATION. INSTALLER IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS TO AVOID ANY CONFLICTS.
- PIPE AND FITTINGS. UNLESS SURROUNDING GROUND CONDITIONS DICTATE OTHERWISE, ALL HEADER PIPES FROM MAIN TO SERVICE METER SHALL BE 2" PVC, SCHEDULE 80, AND FROM METER TO SERVICE SHALL BE 1" OR 2" TYPE K COPPER. ALL STANDARD WATER MAINS LARGER THAN 12-INCHES SHALL BE CLASS 250, MORTAR LINED, BIT COATED AND POLYWRAPPED DUCTILE IRON. PIPING 12-INCH DIAMETER AND SMALLER SHALL BE AWWA C-900 CLASS 150 OR 200 PVC, UNLESS OTHERWISE NOTED (CLASS 200 PIPE IS REQUIRED WHEN WATER MAIN IS NEAR SEWERS). ALL FITTINGS SHALL BE DUCTILE IRON WITH CEMENT LINED INSIDE AND BITUMINOUS COATED OUTSIDE, WHICH SHALL BE PAINTED WITH POLYGLUE #14 MASTIC. INSTALLER SHALL PROVIDE PIPE AND FITTING MATERIALS SUBMITTAL TO MPWMD FOR APPROVAL BEFORE BEGINNING WORK.
- FLANGED FITTINGS. ALL FLANGED FITTINGS SHALL BE BOLTED TOGETHER WITH ZINC COATED STEEL NUTS AND BOLTS, GRADE 5 OR BETTER.
- MECHANICAL JOINTS. USE EBAA MECHANICAL JOINT MEGA-LUGS ON ALL MECHANICAL JOINT FITTINGS.
- SEPARATION DISTANCE FROM SEWER LINES AND SOURCES OF CONTAMINATION. WATER MAINS SHALL BE LAID IN SEPARATE TRENCHES AS FAR AS POSSIBLE FROM NEARBY SEWER AND STORM DRAIN LINES, C-900 CLASS 200 PVC PIPE OR CLASS 50 DUCTILE IRON PIPE SHALL BE USED (CLASS OR PRESSURE RATING TO BE DETERMINED OR APPROVED BY UTILITY). PLACEMENT OF WATER NEAR OTHER SOURCES OF HYDROCARBON RELATED FACILITIES SHOULD REQUIRE SPECIAL APPROVAL FROM UTILITY. INSTALLER TO IMMEDIATELY INFORM THE UTILITY ENGINEER WHEN INSUFFICIENT SEPARATION CONDITIONS OCCUR (LESS THAN 10- FEET HORIZONTAL OR 1-FOOT VERTICAL).
- UNDERGROUND PIPE IDENTIFIER. ALL INSTALLATION OF MAINS AND SERVICES SHALL HAVE GREEN COATED #10 GA. STANDARD COPPER WIRE FOR LOCATING.
- HOT TAPS. ALL TAPPING SLEEVES TO BE MECHANICAL JOINT TYPE OR ALL STAINLESS STEEL CIRCUMFERENCE SEAL TYPE WITH STAINLESS STEEL FLANGE, BOLTS AND NUTS.
- VALVES. UNLESS OTHERWISE NOTED OR DIRECTED BY UTILITY, INSTALLER SHALL INSTALL GATE VALVES (AWWA C-509) FOR WATER MAINS 12-INCHES OR SMALLER, AND INSTALL BUTTERFLY VALVES (AWWA C504) FOR MAINS LARGER THAN 12-INCHES. ALL VALVES SHALL BE FLANGED TO FITTINGS (CROSS, TEE, ETC.) EXCEPT WHERE MAINS ARE 4- FEET BEHIND SIDEWALK WITH TEES UNDER CORNER RADIUS IN WHICH CASE THE VALVE SHALL BE PLACED IN LINE BEYOND THE RADIUS AND RESTRAINED. GATE VALVES SHALL BE RESILIENT WEDGE, EPOXY COATED WITH S.S. BOLTS. VALVE STEMS SHALL BE PROVIDED FOR VALVES WITH A COVER OF 4- FEET OR GREATER. UNDERGROUND VALVES SHALL HAVE 8" DIAMETER (MINIMUM) VALVE BOX RISER, GRADE VALVE AND METAL LID MARKED "WATER", AS SHOWN ON UTILITY STANDARD DRAWINGS.
- NOT USED
- NOT USED
- CONCRETE THRUST BLOCKS. THRUST BLOCKS SHALL BE INSTALLED WHERE PIPE DEFLECTIONS EXCEED 4 DEGREES PER COUPLING/FITTINGS, AS SPECIFIED BY PIPE MANUFACTURER. USE EBAA MECHANICAL JOINT MEGA-LUGS ON ALL MECHANICAL JOINT FITTINGS. USE EBAA SERIES 1600 PIPE RESTRAINTS IN LIEU OF CONC. THRUST BLOCKS. UTILITY ENGINEER TO ADVISE INSTALLER OF REQUIRED LENGTH OF PIPE TO BE RESTRAINED. CONCRETE THRUST BLOCKS TO BE USED IF RESTRAINTS CANNOT BE UTILIZED.
- TRENCH DEPTH AND COVER. TRENCH DEPTH SHALL BE SUFFICIENT TO ALLOW TOP OF WATER MAINS 12-INCHES OR LESS TO HAVE A MINIMUM OF 36-INCHES OF COVER UNLESS OTHERWISE DIRECTED BY UTILITY ENGINEER. WATER MAINS OVER 12-INCHES SHALL HAVE A MINIMUM OF 42-INCHES OF COVER.
- INSPECTION BEFORE BACKFILLING. ALL WATER FACILITIES, INCLUDING MAINS, FITTINGS, VALVES AND SERVICES SHALL BE INSPECTED AND APPROVED BY MPWMD BEFORE BACKFILLING.
- BACKFILL SOIL COMPACTION TESTING. INSTALLER IS RESPONSIBLE FOR SECURING, COMPENSATING AND MONITORING OF; A STATE CERTIFIED INDEPENDENT SOILS TESTING SERVICE TO PROVIDE COMPACTION TESTING OF ALL BACKFILL WORK. COMPACTION TESTS DOCUMENTING COMPLIANCE WITH MINIMUM COMPACTION REQUIREMENTS WILL BE TAKEN AT 50 FOOT INTERVALS OR PER THE MINIMUM COUNTY REQUIREMENTS, WHICHEVER IS GREATER. ALL TESTING REPORTS SHALL BE SUBMITTED TO UTILITY FOR REVIEW AND APPROVAL AS SOON AS AVAILABLE. TESTING RESULTS FROM A CERTIFIED COUNTY OR CITY REPRESENTATIVE IS PERMITTED WHERE JURISDICTIONAL REQUIREMENTS PROVIDE SUCH COMPACTION TESTING.
- DISINFECTIONS AND FLUSHING. INSTALLER SHALL PERFORM DISINFECTIONS AND FLUSHING OF NEW WATER SYSTEM/S IN ACCORDANCE WITH CAL-AM STANDARDS AND AWWA C651-14. WITH REGARDS TO THE DISPOSAL OF THE FLUSH WATER, INSTALLER SHALL BE REQUIRED TO COMPLY WITH MPWMD, COUNTY AND STATE NPDES DISCHARGE PERMIT REQUIREMENTS AND SHALL PROVIDE NECESSARY DOCUMENTATION ENSURING COMPLIANCE WHERE APPLICABLE.
- INSPECTION BEFORE ACTIVATION. ALL WATER FACILITIES, INCLUDING MAINS, FITTINGS, VALVES AND SERVICES SHALL BE INSPECTED AND APPROVED BY MPWMD BEFORE ACTIVATION. INSTALLER SHALL PROVIDE HYDROSTATIC TEST TO BE WITNESSED BY MPWMD REPRESENTATIVE PER UTILITY STANDARDS. UTILITY SHALL COLLECT SAMPLES FOR BACTERIOLOGICAL TESTING. NEW SADDLES AND SERVICES SHALL BE INSTALLED PRIOR TO BACTERIOLOGICAL AND PRESSURE TESTING OF MAIN.
- AS-BUILT DRAWINGS. INSTALLER SHALL SUBMIT AS-BUILT (RECORD) DRAWINGS OF THE WATER SYSTEM, OR MODIFICATION INSTALLED BY THE INSTALLER. THE AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE MPWMD WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION, RETENTIONS SHALL BE HELD UNTIL AS-BUILT APPROVAL BY MPWMD.
- WARRANTY. WARRANTY OF NEW FACILITIES TO BE CONVEYED TO MPWMD SHALL BE FOR A MINIMUM PERIOD OF ONE YEAR FROM DATE OF COMMENCEMENT (OR FINAL ACCEPTANCE).
- RETURNING PROPERTY TO ORIGINAL CONDITION. INSTALLER SHALL PHOTOGRAPH OR VIDEOTAPE JOB SITE AREA TO DOCUMENT EXISTING CONDITIONS BEFORE BEGINNING WORK TO MINIMIZE UNDUE CLAIMS. INSTALLER IS RESPONSIBLE TO RETURN ALL PROPERTY TO ORIGINAL OR BETTER CONDITION, INCLUDING TRAFFIC MARKINGS. ALL CLAIMS SHALL BE BORNE AND RESOLVED BY INSTALLER OR MPWMD SHALL ADDRESS SAID CLAIM AND MAY DEDUCT ANY COSTS FRO FINAL PAYMENT/RETENTION. A COPY OF THE CLAIM DOCUMENTS SHALL BE SUBMITTED TO MPWMD WITHIN 48 HOURS AFTER RECEIVING ANY SUCH CLAIMS.

THE CONTRACTOR'S WORK SHALL CONFORM TO THE CITY OF SEASIDE'S ORDINANCE REGARDING MUNITIONS & EXPLOSIVES OF CONCERN (MEC).



DATE SIGNED

GRADING AND PAVING NOTES

- ALL WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING:
 - PROJECT PLANS AND SPECIFICATIONS
 - STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION OF THE CITY OF SEASIDE.
 - APPLICABLE SECTIONS OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.
 - APPLICABLE SWPPP, NOI, AND NPDES REQUIREMENTS FOR THE PROJECT.
 - FORT ORD REUSE AUTHORITY RIGHT OF ENTRY, CITY OF SEASIDE DIGGING AND EXCAVATING ON THE FORMER FORT ORD PERMIT
 - AQUIFER STORAGE AND RECOVERY MITIGATION MONITORING PLAN
 - CONTRACTOR SHALL NOTIFY MPWMD, CAL-AM, & THE CITY OF SEASIDE AT LEAST TWO (2) WORKING DAYS BEFORE STARTING GRADING WORK.
 - WORK SHALL CONSIST OF ALL EARTHWORK RELATED TO THE SITE: ALL CLEARING, GRUBBING, STRIPPING, ROUGH GRADING, PREPARATION OF FOUNDATION AND MATERIALS FOR RECEIVING FILLS, EXCAVATION, IMPORT AND/OR EXPORT OF FILL, PROCESSING, PLACEMENT AND COMPACTION OF FILL MATERIALS, PLACEMENT OF SUBSURFACE DRAINS, PLACEMENT OF AGGREGATE BASE MATERIAL ASPHALT CONCRETE (AC) AND/OR PORTLAND CEMENT CONCRETE (PCC) PAVING, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING AND PAVING TO CONFORM TO THE LINES, GRADES AND SLOPES, AS SHOWN ON THESE PLANS.
 - SITE CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND NOTE ALL CONDITIONS AS TO THE CHARACTER AND EXTENT OF WORK INVOLVED.
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS OR CERTIFICATES AS REQUIRED BY THE CITY.
 - ALL EARTHWORK SHALL BE CONSTRUCTED PER THE GRADING SPECIFICATIONS IN THE GEOTECHNICAL REPORT. ALL SOIL SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION, AS REQUIRED BY THE ASTM TEST DESIGNATIONS D1557, D1556 AND D2992, EXCEPT THE PAVEMENT SUB-GRADE. THE UPPER LAYER OF SUBGRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION, THE EXACT DEPTH SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND/OR AS SHOWN ON THESE PLANS.
 - BACKFILL FOR UNDERGROUND UTILITIES PLACED ON THE SITE SHALL CONSIST OF CLEAN SAND MATERIAL (MINIMUM S.E. = 30) TO A MINIMUM OF 12 INCHES OVER THE CONDUIT, UNLESS SHOWN OTHERWISE ON THE PLAN. BACKFILL FOR UNDERGROUND UTILITIES PLACED IN EXISTING STREETS SHALL CONSIST OF CLEAN, IMPORTED SAND MATERIAL (MINIMUM S.E. = 30) AND MEETING THE REQUIREMENTS OF SECTION 19-306C(1) FOR THE FULL TRENCH DEPTH TO THE PAVEMENT SUBGRADE, UNLESS SHOWN OTHERWISE ON THE PLAN. A SAMPLE SHALL BE SUBMITTED FOUR (4) DAYS BEFORE INTENDED USE, FOR REVIEW BY THE ENGINEER. BACKFILL WITHIN THE UTILITY TRENCHES SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% OR 95% DEPENDING UPON THE LOCATION AND BASED UPON THE ASTM TEST DESIGNATIONS D1557, D1556 AND D2992.
 - AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, WHEN HE OR HIS SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINE DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY THE DUST FROM HIS OR HER SUBCONTRACTOR'S ACTIVITIES IN PERFORMING THE WORK UNDER THIS CONTRACT. THE PRICES FOR THE VARIOUS ITEMS OF WORK SHALL COVER THIS DUST CONTROL.
 - ALL AGGREGATE SUBBASE AND AGGREGATE BASE MATERIAL AND THE HANDLING AND PLACEMENT THEREOF, SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS. AGGREGATE SUBBASE SHALL BE CLASS 1. AGGREGATE BASE SHALL BE CLASS 2. (RECLAIMED MATERIAL IS NOT APPROVED FOR USE IN THE CITY). COMPACT TO A MINIMUM OF 95% RELATIVE COMPACTION.
 - A PRIME COAT OF LIQUID ASPHALT, GRADE MC-70, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, MAY BE APPLIED AT THE APPROXIMATE TOTAL RATE OF 0.25+ GALLONS PER SQUARE YARD TO THE SURFACE OF AGGREGATE BASE PRIOR TO PLACEMENT OF ASPHALT CONCRETE, IF THERE IS TO BE A DELAY IN PLACING THE ASPHALT CONCRETE PAVEMENT.
 - ASPHALT CONCRETE (AC) SHALL CONSIST OF A MIXTURE OF SAND, MINERAL AGGREGATE, AND LIQUID ASPHALT, DESIGNATED AS CALTRANS STANDARD SPECIFICATIONS, TYPE B, 1/2" MAXIMUM, MEDIUM GRADING. MIXED IN SUCH PROPORTIONS THAT THE PERCENTAGE BY WEIGHT WILL BE WITHIN:

SIEVE SIZES	OPERATING RANGE (% PASSING)
3/4"	100%
1/2"	95%
3/8"	80-95%
NO.4	59-66%
NO.8	43-49%
NO.30	22-27%
NO.200	3-8%

PLUS PAVING ASPHALT, VISCOSITY GRADE AR4000 AT 5 TO 6-1/2% OF THE COMBINED DRY AGGREGATES.

ACTUAL MIX DESIGN SHALL BE SUBMITTED TO THE OWNER'S CIVIL ENGINEER FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO STARTING ANY PAVING WORK.
 - PAINT BINDER OF ASPHALT EMULSION, GRADE CRS-1, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, SHALL BE APPLIED TO EXISTING ASPHALT CONCRETE SURFACES AND VERTICAL CONCRETE SURFACES TO RECEIVE ASPHALT CONCRETE.
 - MATERIALS AND INSTALLATION OF PORTLAND CEMENT CONCRETE CURB, GUTTER AND SIDEWALK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CALTRANS STANDARD SPECIFICATIONS AND THE CITY STANDARD SPECIFICATIONS AND DETAILS.
 - EXISTING A.C. SURFACE SHALL BE SAW CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING, WHEN TRENCHING THROUGH CURB, GUTTER AND SIDEWALK. A SAW CUT WILL BE USED, WHERE EXISTING PAVEMENT IS TRENCHED, REPLACE WITH 3" A.C. AND A.B. MINIMUM OR MATCH THE EXISTING SECTION PLUS 2", WHICHEVER IS GREATER. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO REPAVING.
 - ALL VALVE BOXES AND MANHOLES TO BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE NOTED.
 - APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, IS REQUIRED ON COMPLETED WORK PRIOR TO (A) PLACING OF ANY CONCRETE, (B) PLACING OF AGGREGATE BASE, (C) PLACING OF ASPHALTIC CONCRETE, (D) BACK FILLING TRENCHES FOR PIPE, WORK DONE WITHOUT SUCH APPROVAL, SHALL BE AT THE CONTRACTOR'S RISK. SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER. REVIEW MAY INCLUDE SURVEY OF SUBBASE, BASE, AND AC/PCC FINISHED GRADE TO VERIFY GRADES.
- GRADING TOLERANCES SHALL BE AS FOLLOWS:
- | AREA | TOLERANCE |
|-----------------|-----------|
| CURB & GUTTER | 0.01 FEET |
| PAVEMENT | 0.02 FEET |
| BASE OR SUBBASE | 0.05 FEET |
- PRIOR TO PERFORMING THE FINAL GRADING AND SUB-GRADE COMPACTION FOR THE PAVED AREAS, THE CONTRACTOR SHALL REVIEW THE PROPOSED GRADES WITH THE MPWMD'S ENGINEER AND COMPLY WITH HIS REQUESTS FOR ANY MINOR GRADE CHANGES.
 - NOT USED
 - PAVEMENT MARKERS SHALL CONFORM TO SECTION 85 OF THE CALTRANS STANDARD SPECIFICATIONS AND THE SUPPLEMENTARY CONDITIONS.
 - ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO IN THE SPECIAL PROVISIONS. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.
 - QUALITY ASSURANCE: FIELD OBSERVATION AND TESTING OF THE EARTHWORK CONSTRUCTION SHALL BE COORDINATED BY THE OWNER'S CIVIL ENGINEER. EARTHWORK THAT IN THE OPINION OF THE ENGINEER, DOES NOT CONFORM TO THE PLANS, SHALL BE REMOVED AND REPLACED OR REWORKED UNTIL, IN THE OPINION OF THE ENGINEER, SATISFACTORY EARTHWORK CONSTRUCTION HAS BEEN OBTAINED. REWORKING, OR REMOVAL AND REPLACEMENT OF EARTHWORK CONSTRUCTION AS DISCUSSED IN THIS PARAGRAPH SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
 - CAPE SEAL SHALL BE INSTALLED PER CAL TRANS SPECIFICATIONS FOR "DOUBLE SEAL COAT" PER SECTION 37-1.

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SCALE:
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VER. N/A



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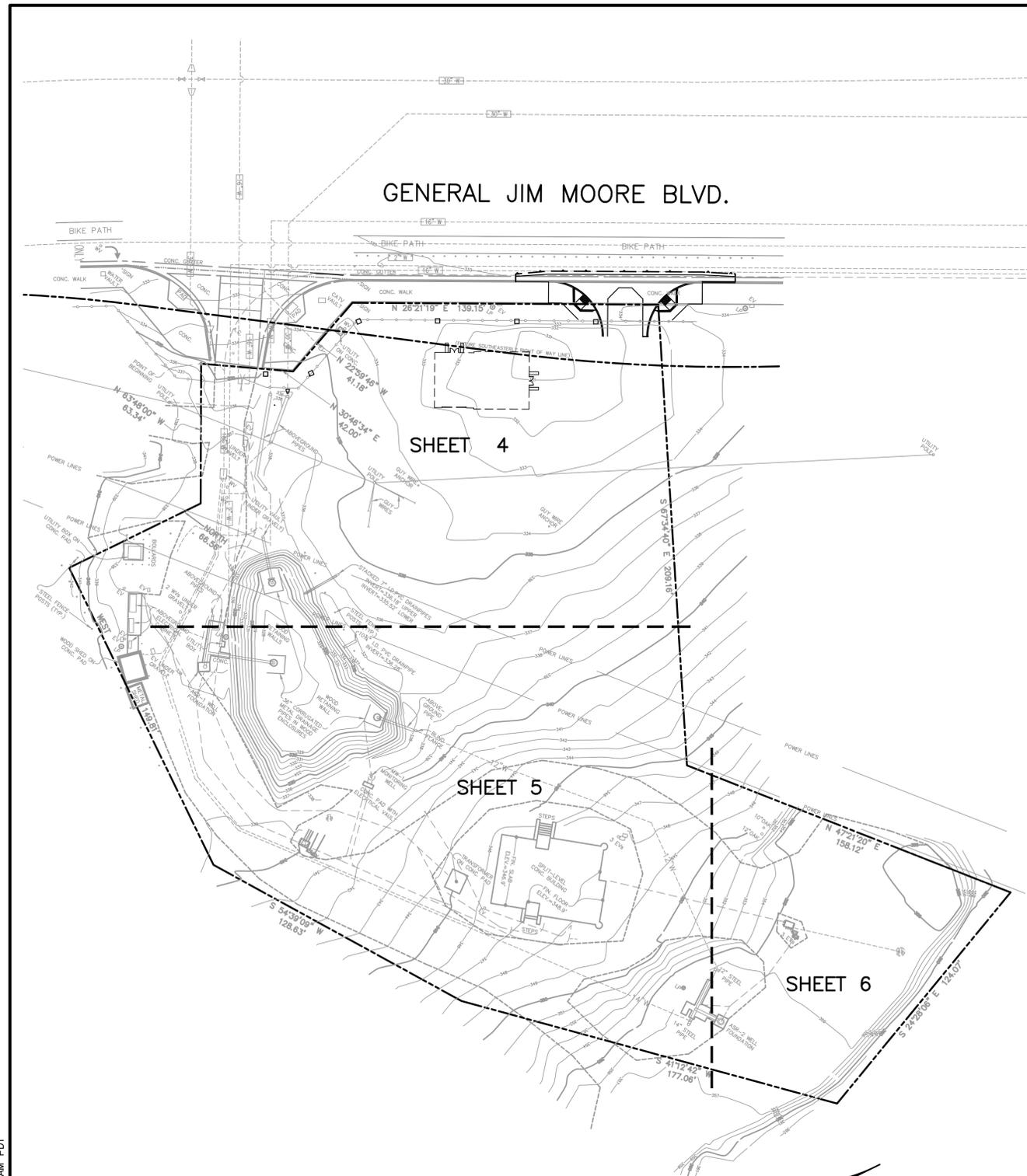


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GENERAL INFORMATION
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO. W.O. 0451
1 of 9

6/14/2018



PIPE MATERIAL TABLE

UTILITY	MATERIAL
WATER	12" - D.I.P. C250 16" - D.I.P. C250 30" - D.I.P. C250 w/RESTRAINED LOCKING GASKETS ALL D.I.P. MORTAR LINED & BITUMINOUS COATED w/RESTRAINED LOCKING GASKETS.
WATER VALVE	GATE VALVE - MAINS 12" & SMALLER BUTTERFLY VALVE - MAINS 12" & LARGER
FITTINGS	M.J. FITTINGS, DUCTILE IRON, CM LINED, W/EBBA IRON MEGALUG RESTRAINTS.

NOTE:
PIPE AND FITTINGS PRE-PURCHASED AND PROVIDED BY OWNER;
SEE MATERIALS LIST. ALL MISCELLANEOUS FITTINGS AND APPURTENANCES TO BE PROVIDED BY CONTRACTOR.

EARTHWORK

ESTIMATED EARTHWORK QUANTITIES:	CUT	FILL
SITE GRADING	2570 C.Y.	2175 C.Y.
TRENCH GRADING	10 C.Y.	5 C.Y.
SUBTOTAL	2580 C.Y.	2180 C.Y.
SHRINKAGE @ 15%	-400 C.Y.	
TOTAL	2180 C.Y.	2180 C.Y.

IMPORT = 0 C.Y.
EXPORT = 0 C.Y.

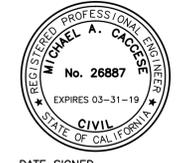
- (1) ESTIMATED QUANTITIES SHOWN ABOVE ARE COMPUTED FROM EXISTING GROUND ELEVATIONS TO THE PROPOSED ELEVATIONS ON THIS PLAN.
- (2) MATERIAL GENERATED THROUGH CLEARING & GRUBBING OPERATIONS WILL BE USED FOR EMBANKMENT AND NOT BE REMOVED FROM THE SITE.
- (3) FOR THE PURPOSE OF THESE EARTHWORK CALCULATIONS, THE PAVEMENT STRUCTURAL SECTION IS ASSUMED TO BE 0.75'.
- (4) NO MATERIAL WILL BE EXPORTED OR IMPORTED FROM THE SITE. THE BERMS LOCATED EASTERLY OF GENERAL JIM MOORE BOULEVARD AND NORTHERLY OF THE PROPOSED POND EXPANSION WILL BE ADJUSTED AS REQUIRED TO ENSURE EARTHWORK WILL BALANCE ONSITE.

LEGEND

--- 16"W ---	EXIST. WATER LINE	BLDG	BUILDING
□ EV	EXIST. ELECT. VAULT	C.L.	CENTERLINE
○	EXIST. WATER VALVE	CONT	CONTINUOUS
---	EXIST. FENCE LINE	CTR	CENTER
---	PROPERTY LINE	CMP	CORRIGATED METAL PIPE
---	PROPOSED 30" RAW W.L.	CMU	CEMENT MORTOR UNIT
---	PROPOSED 30" TREATED W.L.	DIA.	DIAMETER
---	PROPOSED STORM DRAIN LINE	DET	DETAIL
---	PROPOSED RETAINING WALL	ELEV	ELEVATION
■	PROPOSED CATCH BASIN	FLG	FLANGE
⊗	PROPOSED WATER VALVE	STL	STEEL
● DS	PROPOSED DOWNSPOUT	SHT	SHEET
		TF	TOP OF FOOTING
		TW	TOP OF WALL
		TYP	TYPICAL

INDEX TO DRAWINGS

- 1. GENERAL INFORMATION
- 2. KEY MAP
- 3. DEMOLITION PLAN
- 4. FINAL GRADING & DRAINAGE PLAN
- 5. FINAL GRADING & DRAINAGE PLAN
- 6. FINAL GRADING & DRAINAGE PLAN
- 7. CROSS SECTION & DETAILS
- 8. RETAINING WALL PROFILE & DETAILS
- 9. EROSION CONTROL PLAN



UNAUTHORIZED CHANGES & USES CAUTION:
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KEY MAP
SCALE: 1"=30'

REV	DATE	BY	DESCRIPTION
B	5/25/18	MAC	ISSUED FOR BID
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SCALE:	HOR. 1"=30'
VER.	N/A

DESIGNED	MAC
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PUEBLO water resources

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KEY MAP
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.
W.O. 0451
2 of 9

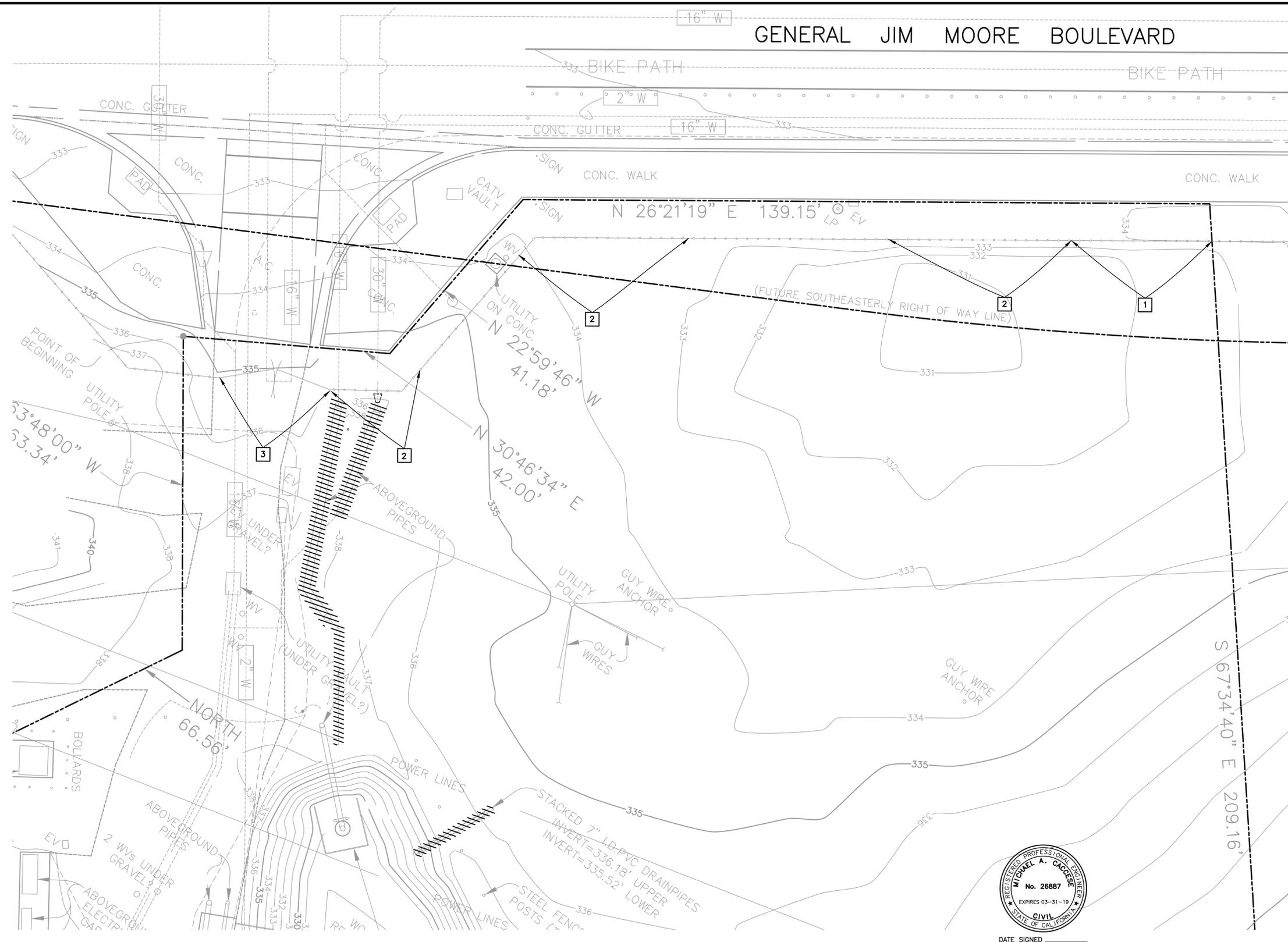
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LEGEND

////// REMOVE EXIST. UTILITY LINE AND REPLACE AND/OR CONNECT WITH NEW UTILITY PER CONSTRUCTION NOTES ON SHEET 4

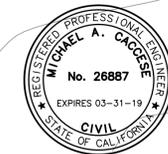
DEMOLITION NOTES

- 1 REMOVE AND SALVAGE PORTION OF EXISTING FENCE TO CONSTRUCT SECURITY WALL, COLUMNS AND ROADWAY ENTRANCE SEE SHEET 4 FOR FENCE RECONSTRUCTION.
- 2 REMOVE EXIST FENCE
- 3 REMOVE AND SALVAGE EXISTING GATE SEE SHEET 4 FOR GATE AND FENCE RECONSTRUCTION.



SCALE: 1"=10'
0 10 20 30 40

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DEMOLITION PLAN
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SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.
W.O. 0451
3 of 9

GENERAL JIM MOORE BOULEVARD

CONSTRUCTION NOTES

- 1 REMOVE EXISTING 30" ABOVE GROUND PIPE. CONSTRUCT 25' OF 30" D.I.P., RELOCATE EXISTING 30x16 REDUCER AND 90° ELBOW, AND ADD 16" D.I.P. AS NEEDED TO INTERTIE TO EXISTING 16" D.I.P. BELOW GROUND.
- 2 REMOVE EXISTING 16" ABOVE GROUND PIPE LINE AND CONSTRUCT NEW 16" D.I.P. TO CONNECT TO EXISTING UNDERGROUND 16" UNDERGROUND 16" D.I.P. FLUSH LINE.
- 3 REMOVE EXISTING FENCE TO CONSTRUCT RETAINING WALL. SET FENCE POSTS AT 4" FROM FACE OF WALL IN RETAINING WALL FOOTING AND RE-CONNECT EXISTING FENCE MESH.
- 4 REMOVE EXISTING FENCE AS REQUIRED TO CONSTRUCT NEW ENTRANCE. REPLACE AFTER ENTRY CONSTRUCTION.
- 5 CONSTRUCT WROUGHT IRON FENCE PER PROFILE AND DETAILS.
- 6 CONSTRUCT C.M.U. COLUMN PER RETAINING WALL PROFILE AND DETAILS 3 & 4 ON SHT 8.
- 7 CONSTRUCT CROSS GUTTER PER STANDARD PLAN 122-2 OF STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION.
- 8 CONSTRUCT A2-6 CURB PER STD PLAN 120-2 OF STD PLAN FOR PUBLIC WORKS CONSTRUCTION.
- 9 CONSTRUCT TYPE 1 CURB RAMP PER STD PLAN 111-5 OF STD PLAN FOR PUBLIC WORKS CONSTRUCTION. WIDTH OF TRUNCATED DOMES IS 3'.
- 10 CONSTRUCT 4" THICK P.C.C. SIDEWALK.
- 11 CONSTRUCT 3" P.V.C. CURB DRAIN AND CONNECT TO RETAINING WALL PERFORATED PIPE.
- 12 CONSTRUCT ASPHALT CONCRETE PAVEMENT AND AGGREGATE BASE. THICKNESS OF ASPHALT CONCRETE AND AGGREGATE BASE TO MATCH EXISTING.
- 13 CONSTRUCT C.M.U. RETAINING WALL PER PROFILE AND DETAILS 1 & 4 ON SHT 8.

COLUMN/WALL COORDINATES TABLE

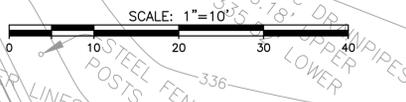
WALL STATION	NORTHING	EASTING
2+08.12	2120970.84	5734857.83
WALL CL	2120970.84	5734857.83
COLUMN CL	2120970.83	5734858.29
2+40.45	2120941.07	5734870.42
WALL CL	2120941.07	5734870.42
COLUMN CL	2120941.08	5734869.96

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DANGER!
HIGH VOLTAGE 21KV
PG&E ELECTRICAL
LINE

LEGEND

- - - 16"W - - - EXIST. WATER LINE
- EV - - - EXIST. ELECT. VAULT
- - - - EXIST. WATER VALVE
- - - - EXIST. FENCE LINE
- - - - PROPERTY LINE
- - - - PROPOSED 30" RAW W.L.
- - - - PROPOSED 30" TREATED W.L.
- - - - PROPOSED STORM DRAIN LINE
- - - - PROPOSED RETAINING WALL



MATCH LINE - SEE SHEET 5



DATE SIGNED

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REV	DATE	BY	DESCRIPTION

SCALE:
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VER. 1"=N/A

WARNING
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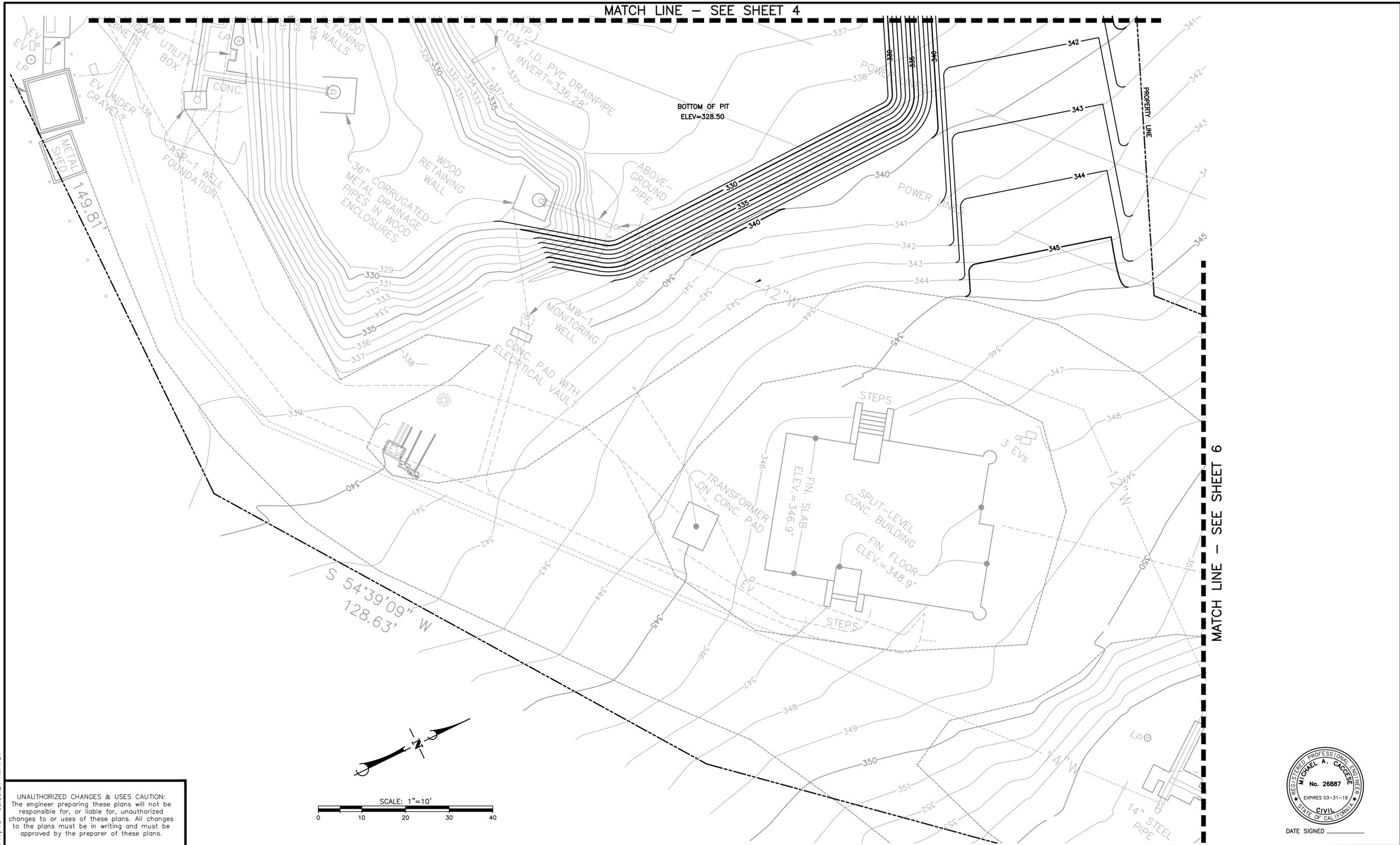


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FINAL GRADING PLAN
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

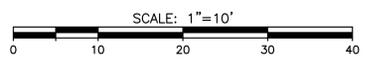
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MATCH LINE - SEE SHEET 4



MATCH LINE - SEE SHEET 6

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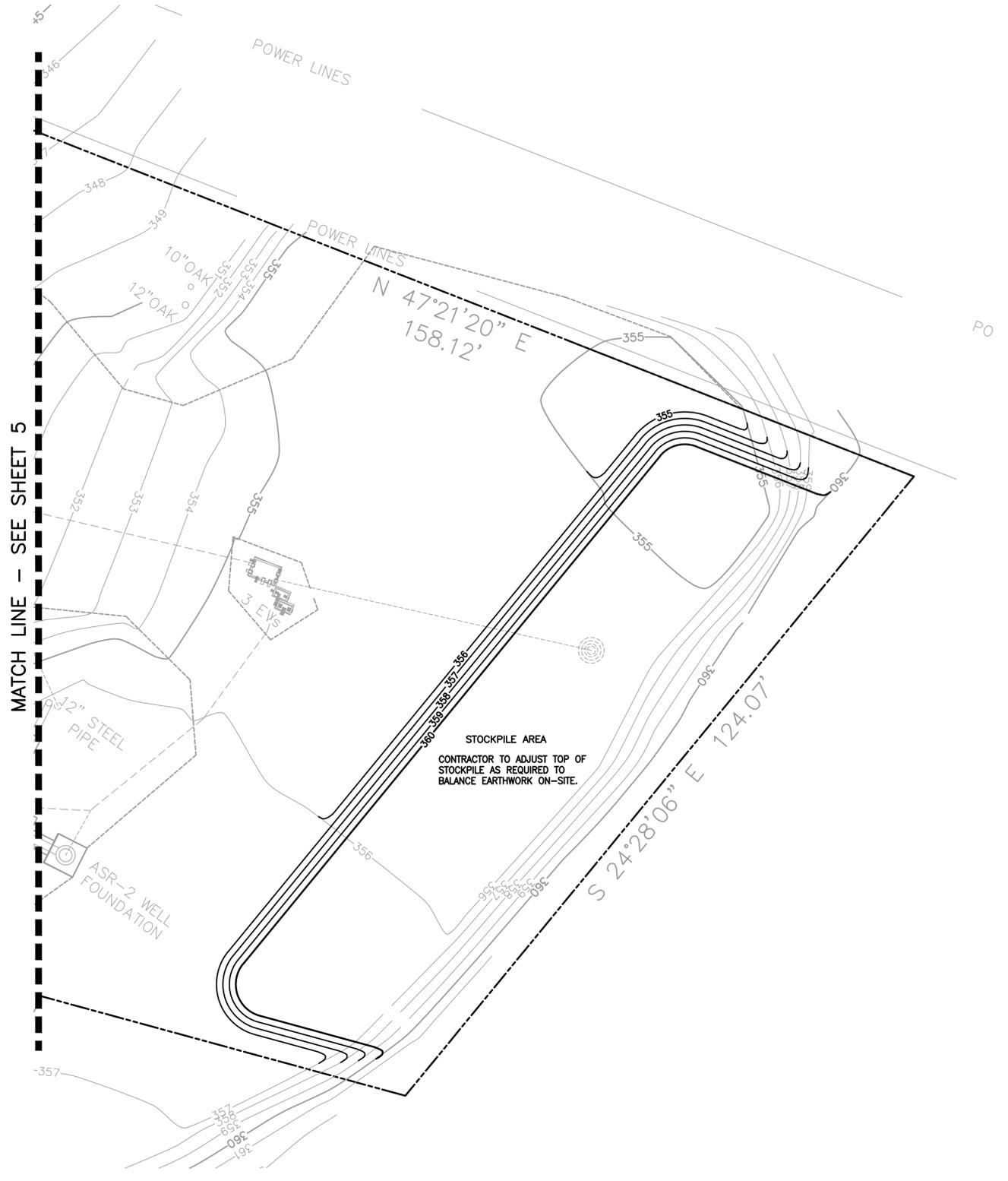
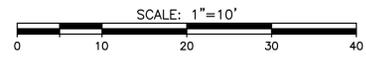
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SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.
W.O. 0451
5 of 9

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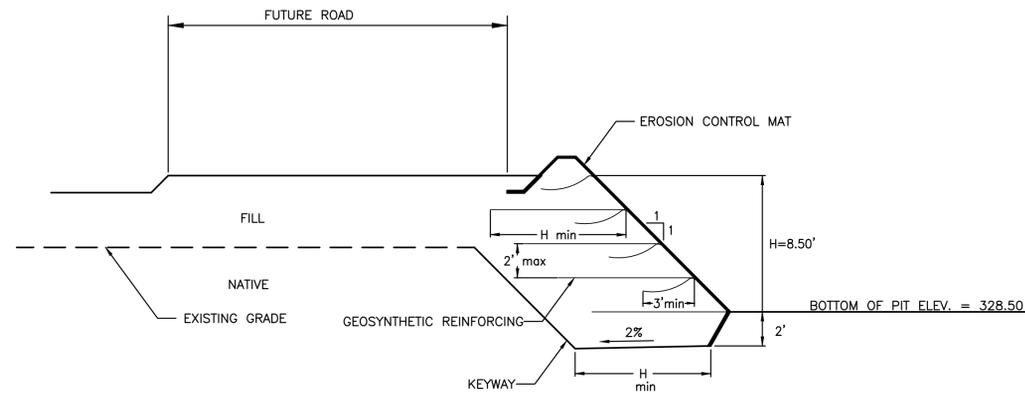
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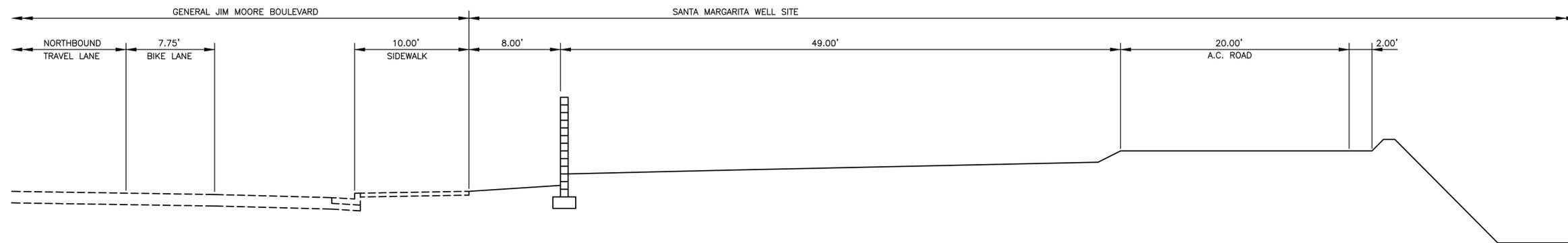
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 1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.
 W.O. 0451
6 of 9



B SECTION B
6 SCALE: 1"=5'



A SECTION A-A
6 SCALE: 1"=5'

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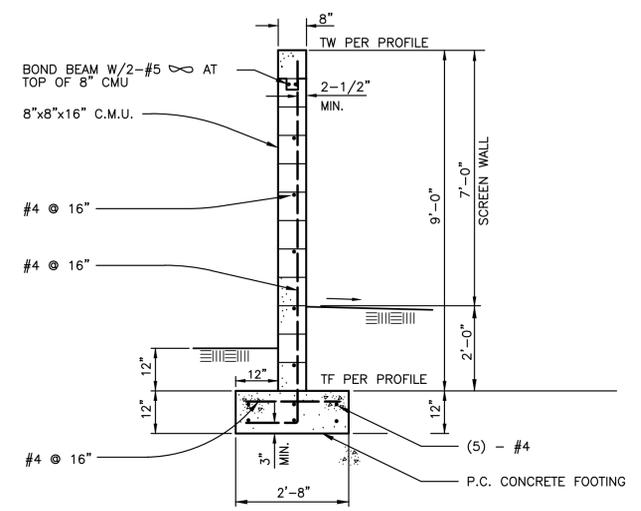
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CROSS SECTION AND DETAILS
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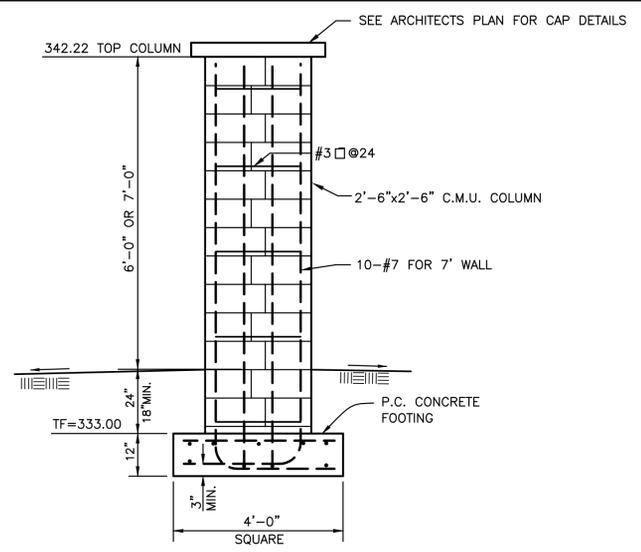
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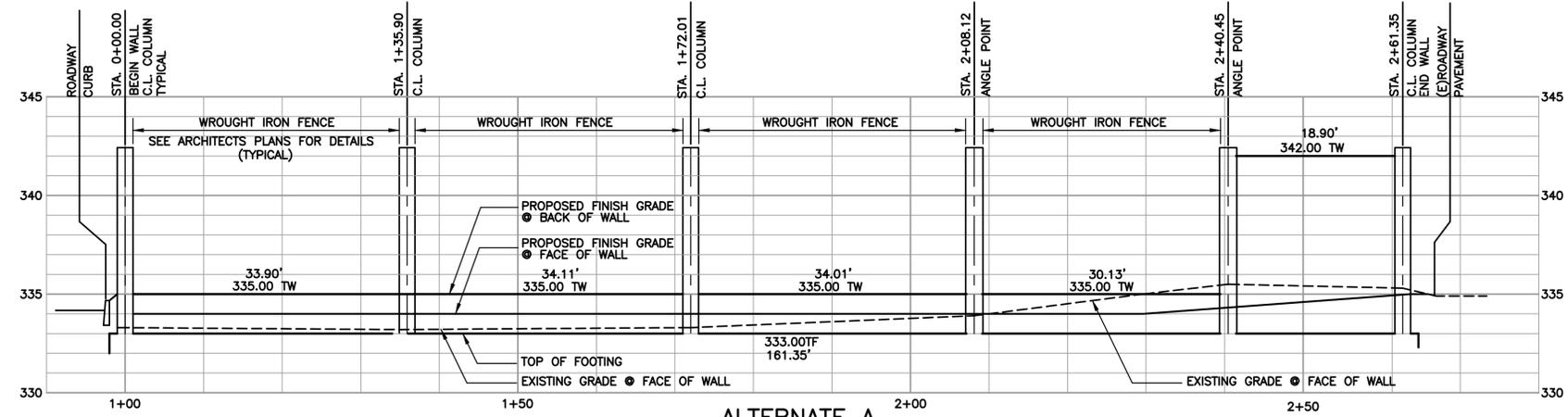
NOTE:
SEE ARCHITECTS PLAN FOR PLASTER COATING AND FINISH DETAILS

1
8 SCREEN WALL DETAIL
NO SCALE

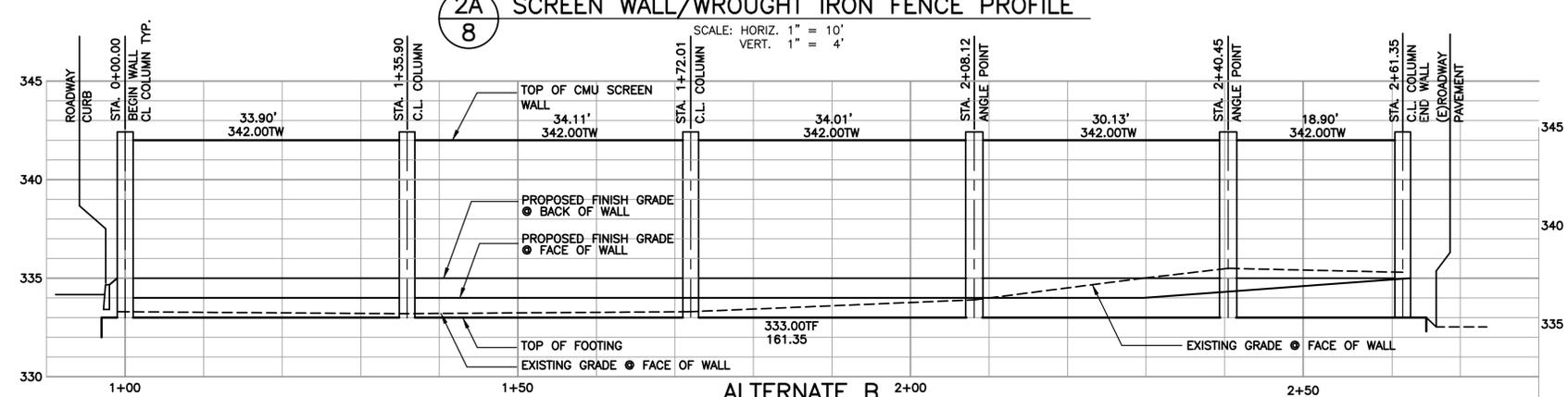


NOTES:
1. HORIZONTAL REINFORCEMENT FOR COLUMN IS NOT SHOWN. SEE COLUMN TYPICAL SECTION (DETAIL "A" THIS SHEET) FOR DETAILS
2. SEE ARCHITECTS PLAN FOR PLASTER COATING AND FINISH DETAILS

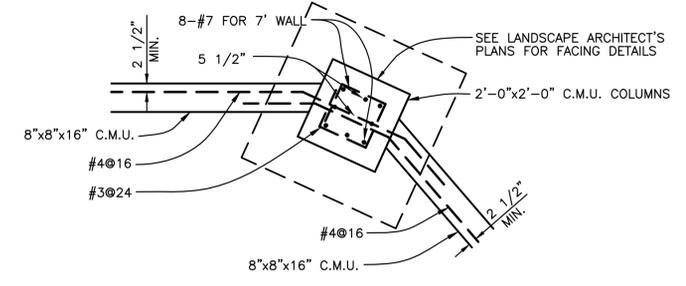
3
8 COLUMN DETAIL
SCALE: 1" = 2'-0"



2A
8 SCREEN WALL/WROUGHT IRON FENCE PROFILE
SCALE: HORIZ. 1" = 10'
VERT. 1" = 4'



2B
8 SCREEN WALL PROFILE
SCALE: HORIZ. 1" = 10'
VERT. 1" = 4'



NOTES:
1. HORIZONTAL REINFORCEMENT IN WALL MUST BE CONTINUOUS THROUGH COLUMN. LAP REINFORCEMENT 40 BAR DIAMETERS MINIMUM.
2. VERTICAL REINFORCEMENT IN WALL IS NOT SHOWN. SEE SCREEN WALL DETAILS FOR INFORMATION.

4
7 COLUMN TYPICAL SECTION
SCALE: 1" = 2'-0"



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WARNING
0 1/2 1
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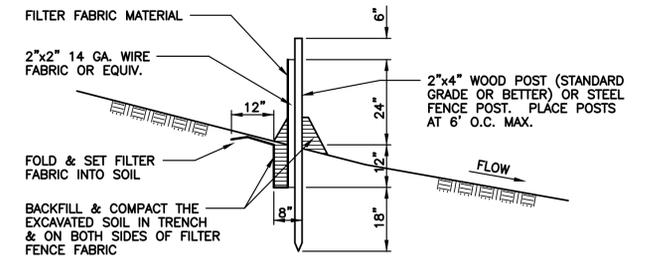
RETAINING WALL PROFILE AND DETAILS
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
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8 of 9

GENERAL JIM MOORE BLVD.

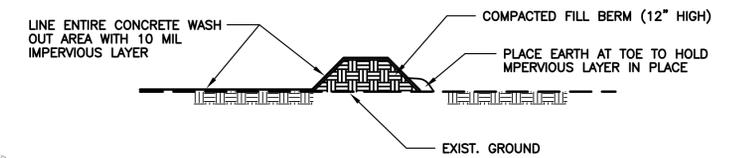
EROSION CONTROL CONSTRUCTION NOTES

- 1 CONSTRUCT 12' x 20' STABILIZED CONSTRUCTION ENTRANCE USING STEEL VIBRATION PLATE ON 3" TO 6" MIN. DIM. AGGREGATE, 24" THICK OVER FILTER FABRIC, PRIOR TO THE START OF CONSTRUCTION.
- 2 CONSTRUCT 15'x15' CONCRETE WASH-OUT AREA PER DETAIL THIS SHEET.
- 3 CONSTRUCT SILT FENCE PER DETAIL THIS SHEET PRIOR TO THE START OF CONSTRUCTION.



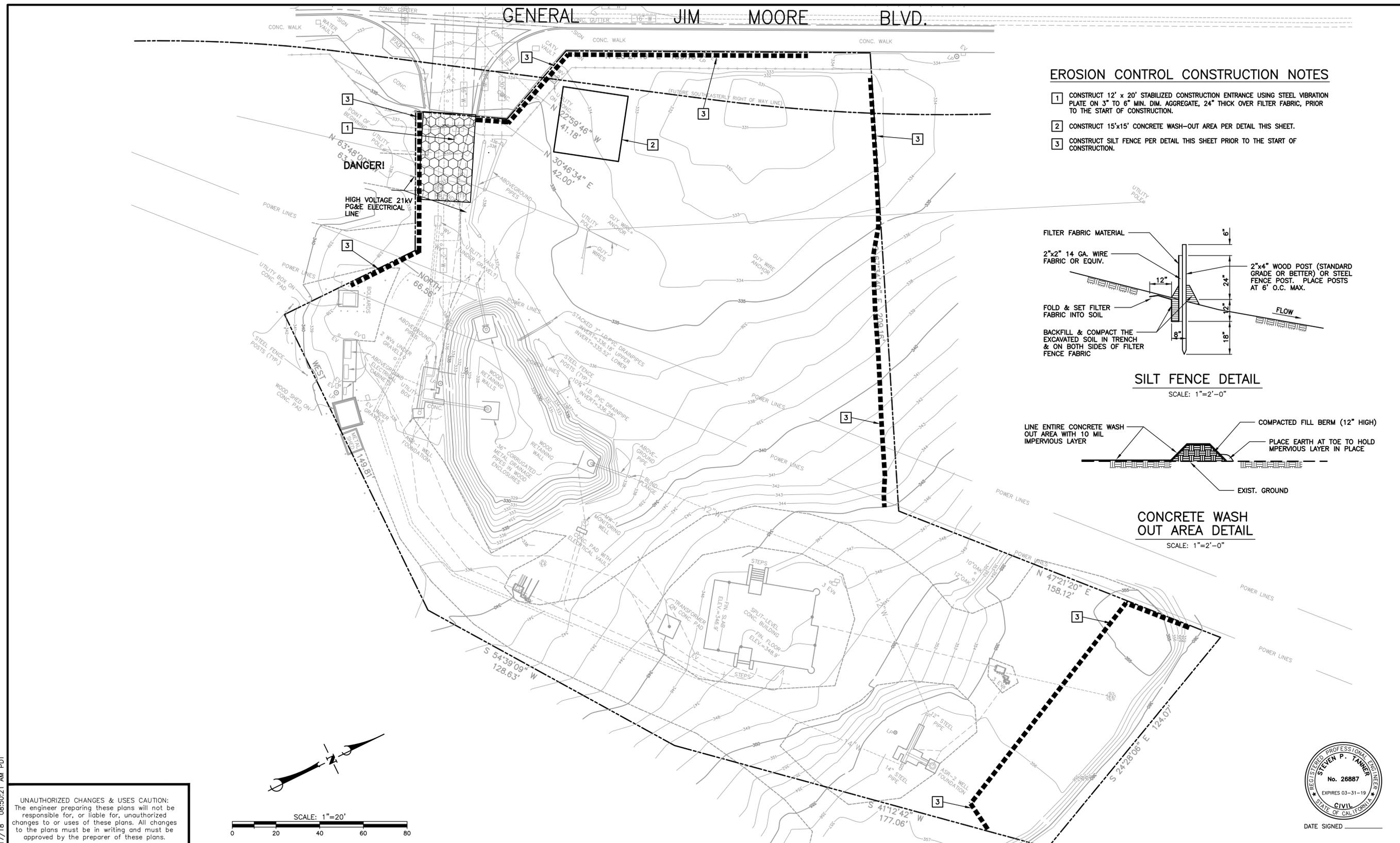
SILT FENCE DETAIL

SCALE: 1"=2'-0"



CONCRETE WASH OUT AREA DETAIL

SCALE: 1"=2'-0"



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DRAWN	TLA
CHECKED	MAC

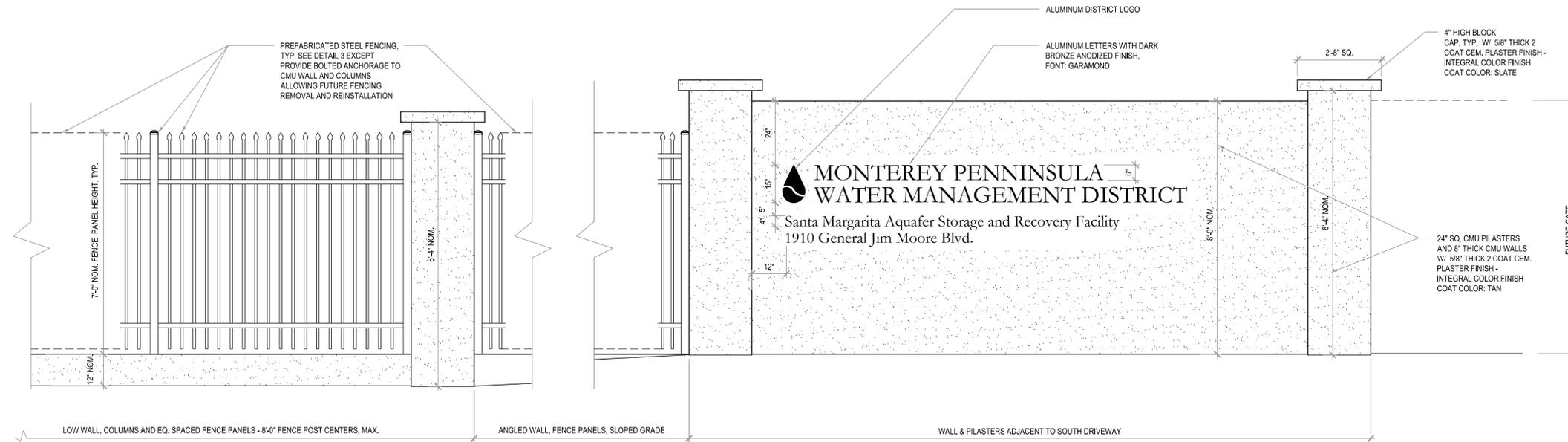
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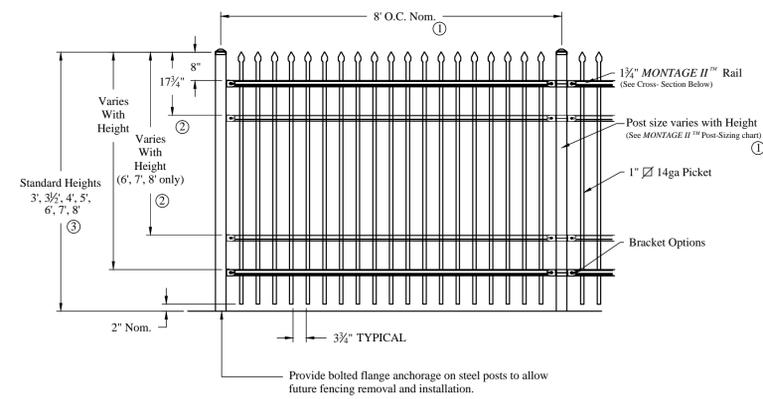
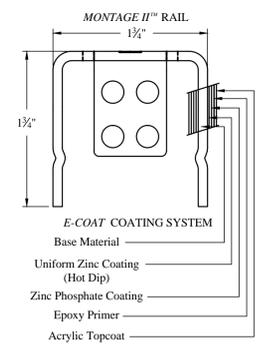
EROSION CONTROL
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
SANTA MARGARITA ASR FACILITY SITE EXPANSION
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.
W.O. 0451
9 of 9

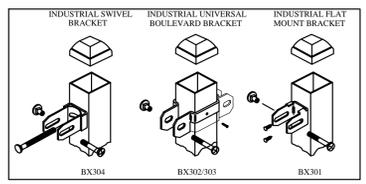


2 COLUMN @ FENCE PANELS
SCALE: 1/2"=1'-0"

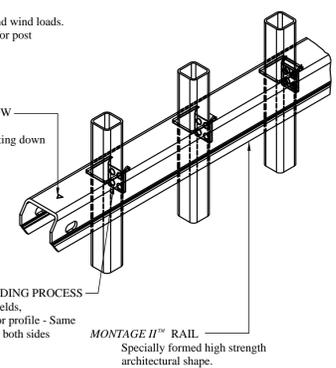
1 PILASTER / WALL @ DRIVEWAY
SCALE: 1/2"=1'-0"



- NOTES:
- 1.) Post size depends on fence height and wind loads. See MONTAGE II™ specifications for post sizing chart and setting dimensions.
 - 2.) Third & Forth rail optional.
 - 3.) Available in Flush Bottom.



Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.



3 STEEL FENCE PANELS
SCALE: NO SCALE