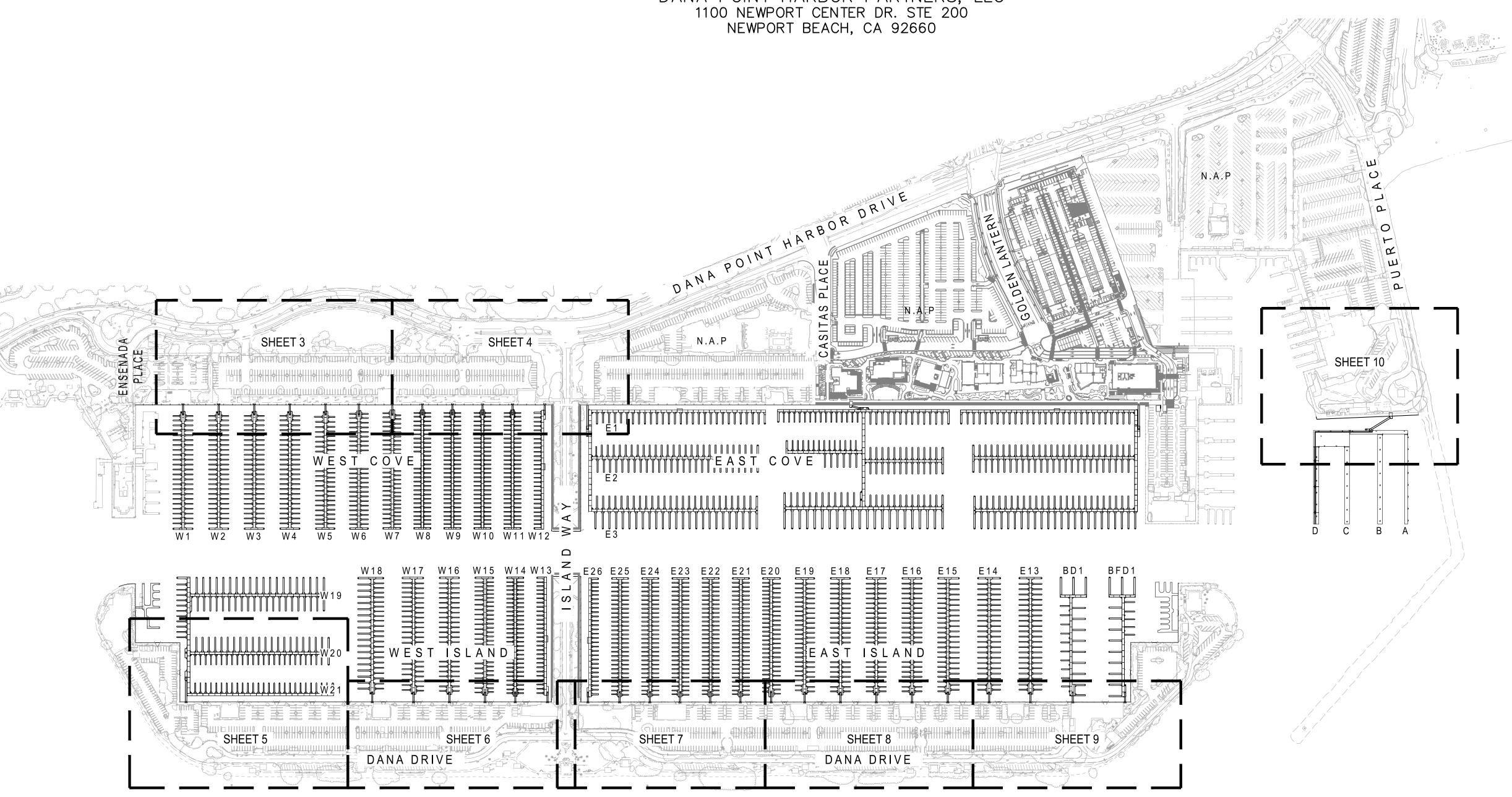
DANA POINT HARBOR PRIVATE DOMESTIC WATER AND SEWER PLAN

34571 GOLDEN LANTERN STREET
DANA POINT, CA 92629
PREPARED FOR:
DANA POINT HARBOR PARTNERS, LLC
1100 NEWPORT CENTER DR. STE 200



UNDERGROUND SERVICE ALERT

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

CALL BEFORE YOU DIG.

DINAUTHORIZED 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.

ENGINEERS NOTE TO CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION OF THOSE UNDERGROUND UTILITIES TO BE USED AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON. IF THE CONTRACTOR ENCOUNTERS ANY DISCREPANCIES, CONFLICTS OR AREAS WHICH HE FEELS UNWORKABLE, HE SHALL NOTIFY THE GRADING ENGINEER IMMEDIATELY PRIOR TO CONTINUING OR DEVIATING FROM THIS PLAN.

NO. DATE DESCRIPTION BY

REVISIONS

PREPARED UNDER THE SUPERVISION OF: 701 N. Parkcenter Drive Santa Ana, CA 92705

p: 714/560/8200 f: 714/560/8211 www.tait.com

Since 1964 Los Angeles Sacramento San Francisco Dallas Phoenix Ontario San Diego Boise Denver Portland

5/5/23

JACOB VANDERVIS R.C.E. No. C46301 DATE

ENGINEER SEAL ME0381 ENGINEER / DESI

ENGINEER / DESIGNER: TAIT PROJECT MANAGER: DM CHECKED BY:

DANA POINT HARBOR REVITALIZATION

Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN TITLE SHEET



Revision: 2

Permits: PLB22-0127-R2

County of Orange - OC Public Works
OC Development Services
APPROVED

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law.

Hadi Tabatabas BUILDING OFFIC

LEGEND

s	EXISTING SEWER
	EXISTING STORM DRAIN
w	EXISTING WATER
	EXISTING RECYCLED WATER
E	EXISTING ELECTRIC
CATV	EXISTING COMMUNICATIONS
G	EXISTING GAS
——DW——	PROPOSED DOMESTIC WATER (PRIVAT
——FW——	PROPOSED FIRE WATER
——ss——	PROPOSED SEWER (PRIVATE)

PROPOSED SEWER (PRIVATE)PROPOSED SEWER MANHOLEPROPERTY LINE

PROPERTY LINE

CENTERLINE

ABBREVIATIONS

Q	CENTERLINE
DW	DOMESTIC WATER
ESMT	EASEMENT
(E)	EXISTING
(E)	EXISTING

F FINISHED FLOOR
S FIRE SERVICE
AT LATERAL

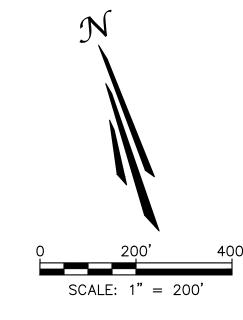
(P) PROPOSED
PROPERTY LINE

RCP REINFORCED CONCRETE PIPE
SCWD SOUTH COAST WATER DISTRICT

SFM SEWER FORCE MAIN
SMH SEWER MANHOLE

SS SANITARY SEWER

OCPW ORANGE COUNTY PUBLIC WORKS





SCALE:
SEE ON SHEET

DRAWN BY: TAIT

DATE: 5/5/2023

DRAWING: ME0381

SHEET NO.: 1

aa\Gangways Phase\Private Utilities\MF0.3810 INDFX PH1 UT PRIV.dwa PLOTTFD: 5/5/2023 4:08:57 PM

GENERAL NOTES

- 1. THIS NOTE HEREIN INCORPORATES BY REFERENCE, THOSE GENERAL NOTES NUMBERED 1 THROUGH 24 INCLUSIVE OF OC PUBLIC WORKS STANDARD PLAN 1801, 2006 EDITION PLUS 2011 SUP.
- 2. ALL WORK SHALL BE IN CONFORMANCE WITH CURRENT OC PUBLIC WORKS STD. PLANS AND STD. SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK OR APPROVED DEVIATION FOR STANDARD).
- 3. THE DEVELOPER/CONTRACTOR SHALL HAVE A COPY OF THE CURRENT OC PUBLIC WORKS STANDARD PLANS ON THE CONSTRUCTION SITE AT ALL TIMES.
- 4. THE DEVELOPER SHALL TELEPHONE OC PUBLIC WORKS CONSTRUCTION AT (714) 245-4550 AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION WORK SUBJECT TO OC PUBLIC WORKS INSPECTION.
- 5. COUNTY APPROVED PLANS DO NOT RELIEVE THE CONTRACTOR/DEVELOPER FROM RESPONSIBILITY TO OBTAIN PUBLIC PROPERTY PERMITS, WHICH SHALL BE AVAILABLE ON THE JOB AT ALL TIMES WORK IS BEING ACCOMPLISHED IN THE PUBLIC RIGHT—OF—WAY.
- 6. ALL CONCRETE CURB AND GUTTER FLOW LINES WITH LESS THAN 1% GRADE SHALL BE WATER TESTED PRIOR TO FINAL FINISHING TO INSURE PROPER DRAINAGE WITHOUT UNACCEPTABLE HIGH OR LOW SPOTS.
- 7. ALL UTILITY TRENCH BACKFILL AND COMPACTION INSPECTION OUTSIDE THE LIMITS OF DEDICATED STREET RIGHT-OF-WAY SHALL BE PERFORMED BY OC PUBLIC
- 8. ALL DAMAGED CONCRETE SIDEWALKS OR CURBS SHALL BE SAWCUT TO THE NEAREST TRANSVERSE SCORE MARK OR ADJUSTABLE CONTROL JOINT OR WEAKENED PLANE JOINT AND REPLACED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF OC PUBLIC WORKS STANDARD PLANS.
- 9. DEVELOPER SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITIONS AT ALL TIMES AND TO THE SATISFACTION OF THE COUNTY'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE COUNTY RIGHT—OF—WAY WITHOUT PERMISSION OF THE COUNTY'S INSPECTOR.
- 10. PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET PAVEMENT STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION PROJECT WILL BE RESTORED TO A "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE DIRECTOR, OC PUBLIC WORKS. ALL STRIPING AND STENCILING SHALL BE ACCORDING TO STANDARD PLAN NO.1801, NOTE 18.
- 11. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS AND WARNING DEVICES AS PER THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, MANUAL OF TRAFFIC CONTROLS, AND TO THE DIRECTIONS OF THE COUNTY'S INSPECTOR.
- 12. OC PUBLIC WORKS STANDARD PLANS SHALL TAKE PRECEDENCE OVER ANY CONFLICTS EXCEPT FOR STANDARD PLANS AFFECTING UTILITY COMPANIES, IF THEIR STANDARDS ARE MORE STRINGENT.
- 13. ANY UTILITIES UNDER PAVED AREAS OF PRIVATE STREETS SHALL HAVE A MINIMUM OF 30" COVER AND DEVELOPER SHALL PROVIDE PRIVATE LABORATORY COMPACTION CERTIFICATION FOR ALL UNDERGROUND UTILITIES PRIOR TO PAVING. THE DEVELOPER SHALL SET UP A MEETING WITH THE INSPECTOR AND THE PRIVATE LABORATORY PRIOR TO ANY TESTING.
- 14. A.C. PAVEMENT UNDER CARPORTS/ROOFS SHALL BE SLURRY SEALED IN ACCORDANCE WITH SECTION 302-4 "EMULSION AGGREGATE SLURRY" OR THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION, BEFORE FINAL ACCEPTANCE.
- 15. ALL TRAFFIC MARKING AND STRIPING SHALL BE STENCILS THAT CONFORM TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (D.O.T.) NON-METRIC STANDARD.
- 16. NO CONCENTRATED FLOWS ACROSS ASPHALT PAVEMENT WITHOUT COUNTY'S INSPECTOR'S APPROVAL.
- 17. SURVEY MONUMENTS SHALL BE PRESERVED AND REFERENCED BEFORE CONSTRUCTION, AND REPLACED AFTER CONSTRUCTION PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.
- 18. PRIOR TO ORDERING ANY CONCRETE OR CONCRETE PRODUCTS FOR USE ON THIS PROJECT, SOIL SULFATE TESTS SHALL BE PERFORMED MEETING THE APPROVAL OF THE OC PUBLIC WORKS MATERIALS LABORATORY.
- 19. CONCRETE ITEMS SHALL MEET THE REQUIREMENTS OF THE INTENT OF SECTION 201.1.1.3. "CONCRETE SPECIFIED BY SPECIAL EXPOSURE" OF THE GREEN BOOK, UNLESS OTHERWISE APPROVED BY THE OC PUBLIC WORKS MATERIALS LABORATORY.
- 20. ALL STREET SECTIONS TO BE DETERMINED BY OC PUBLIC WORKS MATERIAL ENGINEER. ALL REPORTS FOR SAMPLING OF STREETS SHALL BE MADE TO COUNTY INSPECTION AND ONLY AFTER GRADE RELEASE AND PRIOR TO ANY UTILITY REPLACEMENT WITHIN STREET TEMPLATE.
- 21. ALL WET AND DRY UTILITIES ARE NOT TO BE INSTALLED PRIOR TO CURB AND GUTTER CONSTRUCTION UNLESS REQUESTED IN WRITING AND APPROVED PRIOR TO INSTALLATION BY COUNTY.
- 22. SIDEWALK SHALL BE CLEAR OF ALL VERTICAL OBSTRUCTIONS UNLESS APPROVED BY COUNTY.
- 23. WHERE BACKFILL IS TO BE PLACED UNDER A PREVIOUSLY INSTALLED CONDUIT, SLURRY BACKFILL WILL BE 450-C-2000 CONCRETE.
- 24. LIGHTING SHALL BE SHIELDED OR DIRECTED AWAY FROM RMV OPEN SPACE HABITAT AREAS THROUGH THE USE OF LOW-SODIUM OR SIMILAR INTENSITY LIGHTS, LIGHT SHIELDS, NATIVE SHRUBS, BERMS AND OTHER SHIELDING METHODS.
- 25. ALL STREET SECTIONS TO BE DETERMINED BY OC PUBLIC WORKS MATERIALS LAB. ALL REPORTS FOR SAMPLING OF STREET SHALL MADE TO THE COUNTY INSPECTOR AND ONLY AFTER GRADE RELEASE AND PRIOR TO ANY UTILITY PLACEMENT WITH IN THE STREET TEMPLATE. REQUESTS FOR SAMPLING CAN BE MADE THROUGH OC PUBLIC WORKS INSPECTION.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATIONS OF ANY UNDERGROUND UTILITIES, PIPES AND/OR STRUCTURES ETC. SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE PUBLIC RECORDS. THOSE SHOWN ON THE RECORDS EXAMINED, ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF ANY UNDERGROUND UTILITIES TO BE USED AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.

THE CONTRACTOR AGREES THAT HE 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, THE ENGINEER, AND THE CITY OF TUSTIN HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THE CITY OF TUSTIN.

THE CONTRACTOR AND ALL ITS SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR, AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER AND OWNERS OF ANY DISCOVERED UNMAPPED UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

NOTE:

NO. DATE

ALL SIGNS REQUIRE SEPARATE PERMIT AND PLAN CHECK APPLICATION.

TRENCHING NOTE

THERE SHALL BE NO TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND, OR OBTAIN PERMIT FROM STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (CAL/OSHA). THIS PERMIT AND ANY OTHER SAFETY PERMIT SHALL BE OBTAIN PRIOR TO COMMENCE OF ANY WORK.

DESCRIPTION

REVISIONS

NPDES NOTES

- 1. IN THE CASE OF EMERGENCY, CALL <u>DAVID STELTER</u>
 AT WORK PHONE #: (949) 795-8626
- 2. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
- 3. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TACKING, OR WIND.
- 4. APPROPRIATE BMP'S FOR CONSTRUCTION—RELATED MATERIALS, WASTES, SPILLS SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
- 5. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
- 6. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OR THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
- 7. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR
- 8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORM WATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A
- 9. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPERCHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON—SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.

- 10. DEWATERING OF CONTAMINATED GROUNDWATER OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON—CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- 11. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
- 12. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
- 13. THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
- 14. THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS: THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
- 15. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 16. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- 17. SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
- 18. APPROPRIATE BMPS FOR CONSTRUCTION—RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.

GENERAL NOTE TO CONTRACTOR

EXISTING UTILITY LOCATIONS HAVE NOT BEEN VERIFIED. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES AND INFORM ENGINEER OF ANY DISCREPANCIES OR CHANGES NECESSARY TO THE PROPOSED UTILITIES. CONTRACTOR TO REPAIR ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION OF PROPOSED UTILITIES.

Building&Safety: Roshanak Amirazizi

6/21/2023

Revision: 2

Permits: PLB22-0127-R2

County of Orange - OC Public Works OC Development Services APPROVED

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Hadi Tabatabaee BUILDING OFFICIAI

E03810 — Dana Point Harbor\ENG\Construction Drawings\Marina\Gangways Phase\Private Utilities\ME03810_INDEX_PH1_UT_PRIV.dwg PLOTTED: 5/5/2023 4:08:58 PM BY C

PROFESSIONAL VANDRAL VANDRA VANDRA

SCALE:
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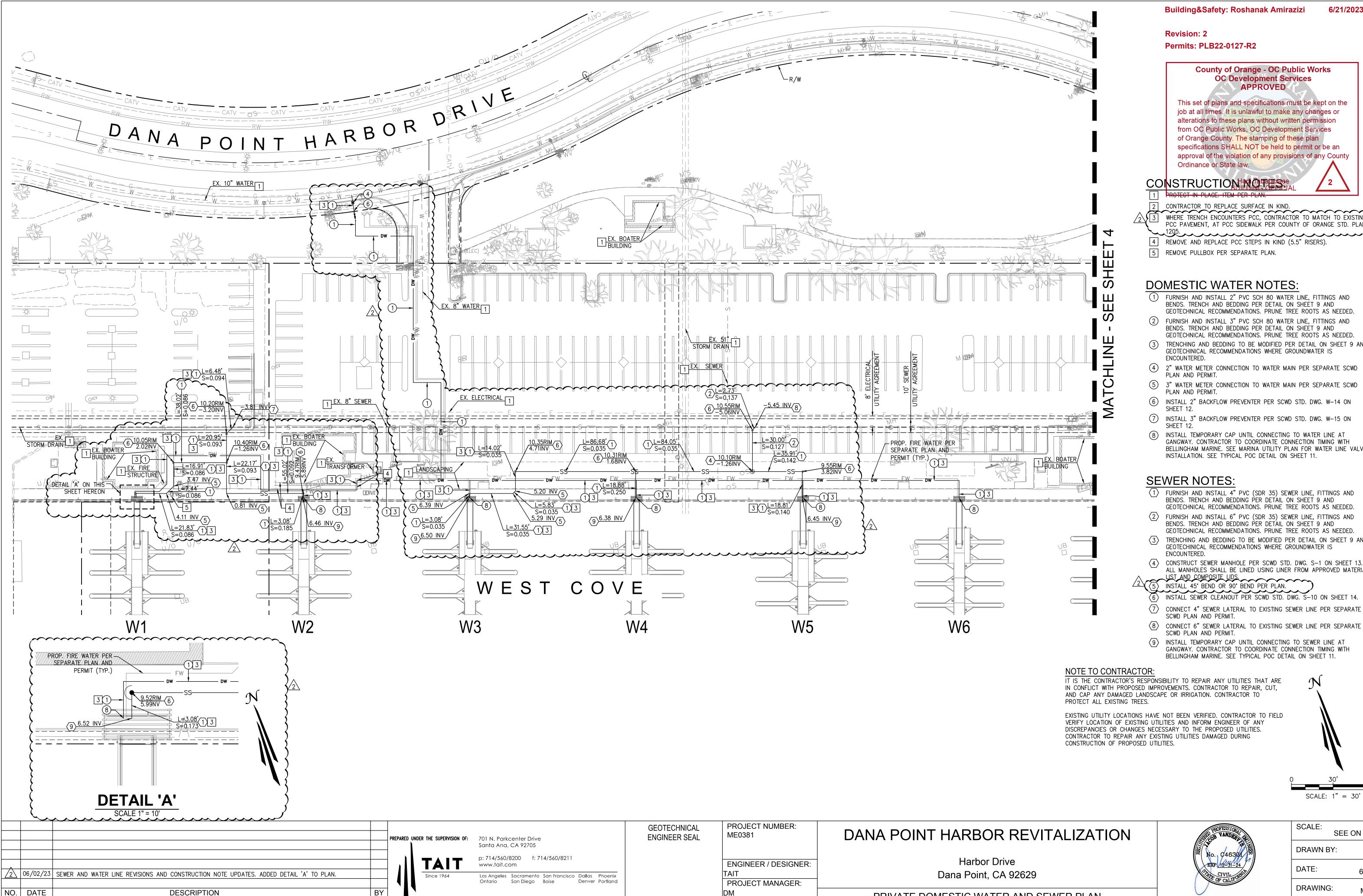
DRAWN BY: TAIT

DATE: 5/5/2023

DRAWING: ME0381

SHEET NO.: 2

PROJECT NUMBER: **GEOTECHNICAL** DANA POINT HARBOR REVITALIZATION ME0381 **ENGINEER SEAL** PREPARED UNDER THE SUPERVISION OF: 701 N. Parkcenter Drive Santa Ana, CA 92705 p: 714/560/8200 f: 714/560/8211 Harbor Drive **ENGINEER / DESIGNER:** www.tait.com Dana Point, CA 92629 Los Angeles Sacramento San Francisco Dallas Phoenix Since 1964 Ontario San Diego Boise Denver Portland PROJECT MANAGER: PRIVATE DOMESTIC WATER AND SEWER PLAN CHECKED BY: 5/5/23 NOTES JACOB VANDERVIS R.C.E. No. C46301 DATE



DATE

R.C.E. No. C46301

JACOB VANDERVIS

REVISIONS

6/21/2023

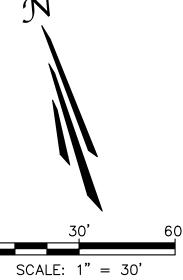
County of Orange - OC Public Works

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- 2 CONTRACTOR TO REPLACE SURFACE IN KIND.

 3 WHERE TRENCH ENCOUNTERS PCC, CONTRACTOR TO MATCH TO EXISTING PCC PAVEMENT, AT PCC SIDEWALK PER COUNTY OF ORANGE STD. PLAN
- FURNISH AND INSTALL 2" PVC SCH 80 WATER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND
- FURNISH AND INSTALL 3" PVC SCH 80 WATER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND
- TRENCHING AND BEDDING TO BE MODIFIED PER DETAIL ON SHEET 9 AND GEOTECHINICAL RECOMMENDATIONS WHERE GROUNDWATER IS
- (4) 2" WATER METER CONNECTION TO WATER MAIN PER SEPARATE SCWD
- (5) 3" WATER METER CONNECTION TO WATER MAIN PER SEPARATE SCWD
- (6) INSTALL 2" BACKFLOW PREVENTER PER SCWD STD. DWG. W-14 ON
- (7) INSTALL 3" BACKFLOW PREVENTER PER SCWD STD. DWG. W-15 ON
- INSTALL TEMPORARY CAP UNTIL CONNECTING TO WATER LINE AT GANGWAY. CONTRACTOR TO COORDINATE CONNECTION TIMING WITH BELLINGHAM MARINE. SEE MARINA UTILITY PLAN FOR WATER LINE VALVE
- (1) FURNISH AND INSTALL 4" PVC (SDR 35) SEWER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND
- FURNISH AND INSTALL 6" PVC (SDR 35) SEWER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND GEOTECHNICAL RECOMMENDATIONS. PRUNE TREE ROOTS AS NEEDED.
- TRENCHING AND BEDDING TO BE MODIFIED PER DETAIL ON SHEET 9 AND GEOTECHINICAL RECOMMENDATIONS WHERE GROUNDWATER IS
- CONSTRUCT SEWER MANHOLE PER SCWD STD. DWG. S-1 ON SHEET 13.
 ALL MANHOLES SHALL BE LINED USING LINER FROM APPROVED MATERIAL

- GANGWAY. CONTRACTOR TO COORDINATE CONNECTION TIMING WITH BELLINGHAM MARINE. SEE TYPICAL POC DETAIL ON SHEET 11.

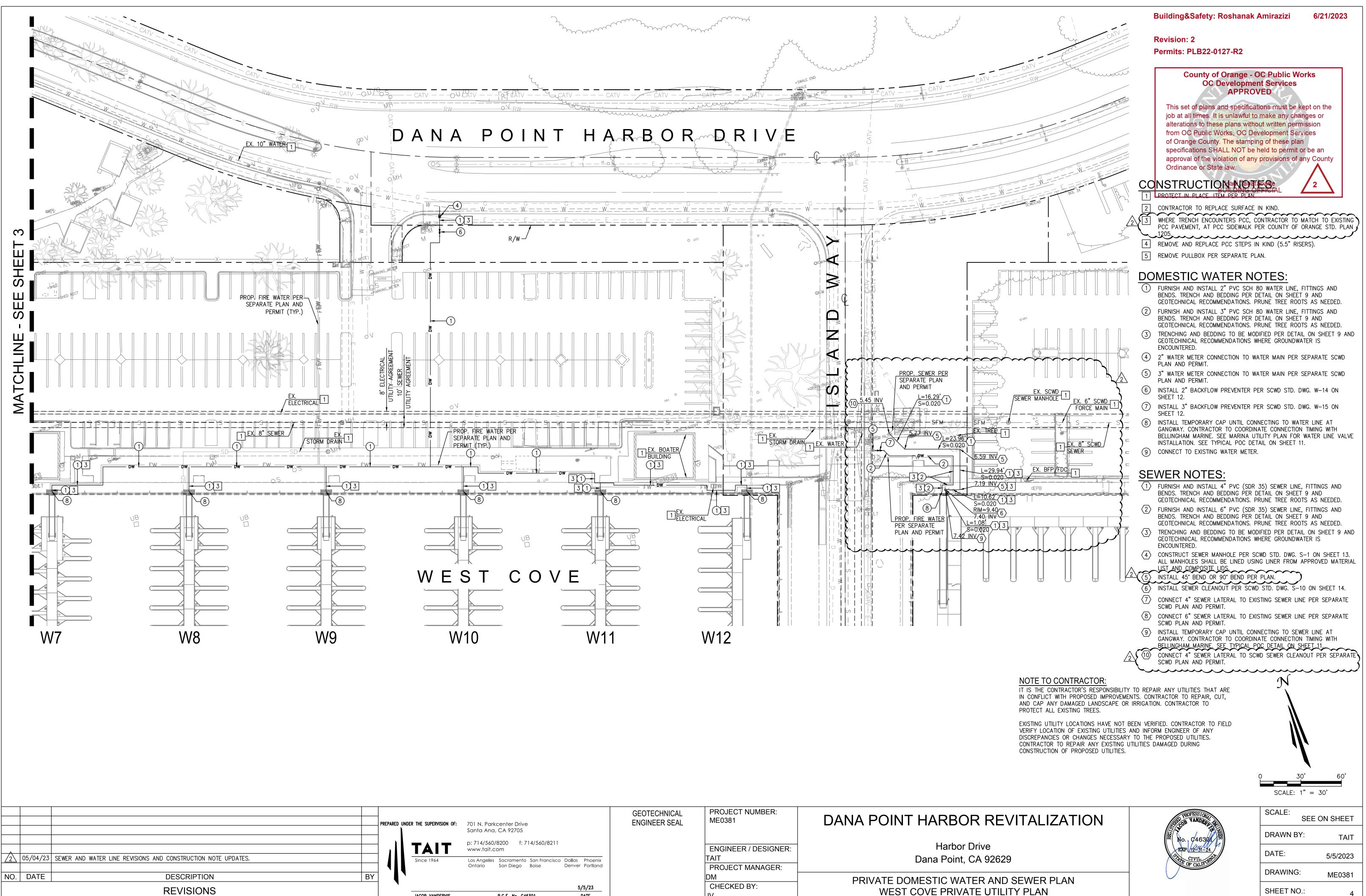


SCALE:	5
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SEE ON SHEET DRAWN BY: TAIT DATE: 6/2/2023 **DRAWING:** ME0381 SHEET NO.:

PRIVATE DOMESTIC WATER AND SEWER PLAN CHECKED BY:

WEST COVE PRIVATE UTILITY PLAN



DATE JACOB VANDERVIS R.C.E. No. C46301

R.C.E. No. C46301

JACOB VANDERVIS

DATE

Building&Safety: Roshanak Amirazizi

6/21/2023

Revision: 2

Permits: PLB22-0127-R2

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CONSTRUCTION NO TO CONSTRUCTION

PROTEC<mark>T IN PLACE. ITEM PER PLA</mark>

CONTRACTOR TO REPLACE SURFACE IN KIND. WHERE TRENCH ENCOUNTERS PCC, CONTRACTOR TO MATCH TO EXISTING PCC PAVEMENT, AT PCC SIDEWALK PER COUNTY OF ORANGE STD. PLAN

- 4 REMOVE AND REPLACE PCC STEPS IN KIND (5.5" RISERS).
- 5 REMOVE PULLBOX PER SEPARATE PLAN.

DOMESTIC WATER NOTES:

- (1) FURNISH AND INSTALL 2" PVC SCH 80 WATER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND GEOTECHNICAL RECOMMENDATIONS. PRUNE TREE ROOTS AS NEEDED.
- FURNISH AND INSTALL 3" PVC SCH 80 WATER LINE, FITTINGS AND BENDS. TRENCH AND BEDDING PER DETAIL ON SHEET 9 AND GEOTECHNICAL RECOMMENDATIONS. PRUNE TREE ROOTS AS NEEDED.
- TRENCHING AND BEDDING TO BE MODIFIED PER DETAIL ON SHEET 9 AND GEOTECHINICAL RECOMMENDATIONS WHERE GROUNDWATER IS ENCOUNTERED.
- (4) 2" WATER METER CONNECTION TO WATER MAIN PER SEPARATE SCWD PLAN AND PERMIT.
- (5) 3" WATER METER CONNECTION TO WATER MAIN PER SEPARATE SCWD PLAN AND PERMIT.
- (6) INSTALL 2" BACKFLOW PREVENTER PER SCWD STD. DWG. W-14 ON
- (7) INSTALL 3" BACKFLOW PREVENTER PER SCWD STD. DWG. W-15 ON
- INSTALL TEMPORARY CAP UNTIL CONNECTING TO WATER LINE AT GANGWAY. CONTRACTOR TO COORDINATE CONNECTION TIMING WITH BELLINGHAM MARINE. SEE MARINA UTILITY PLAN FOR WATER LINE VALVE INSTALLATION. SEE TYPICAL POC DETAIL ON SHEET 11.

SEWER NOTES:

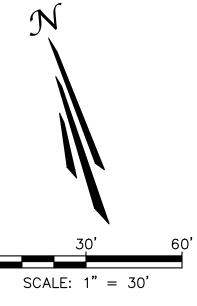
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- LIST AND COMPOSITE LIDS.

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No. C46301 EXP 12/31-24 OF CALIFORNIA

SCALE:	SEE ON SHEET
DRAWN BY	γ: TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO	^{).:} 5

Revision: 2

Permits: PLB22-0127-R2

County of Orange - OC Public Works **OC Development Services** APPROVED

6/21/2023

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- 4 REMOVE AND REPLACE PCC STEPS IN KIND (5.5" RISERS).
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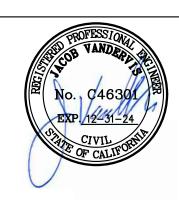
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2	05/04/23	SEWER LINE REVISIONS AND CONSTRUCTION NOTE UPDATES.		
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NO.	DATE	DESCRIPTION	BY	
		REVISIONS		



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	ENGINEER / DESIGNER: TAIT
	PROJECT MANAGER:
	DM
	CHECKED BY:
	JV

DANA POINT HARBOR REVITALIZATION Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN WEST ISLAND PRIVATE UTILITY PLAN



SCALE: SEI	E ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO.:	6

Revision: 2

Permits: PLB22-0127-R2

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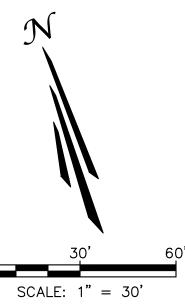
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2	05/04/23	CONSTRUCTION NOTE UPDATES.		
NO.	DATE	DESCRIPTION	BY	
REVISIONS				



GEOTECHNICAL ENGINEER SEAL	PROJECT NUMBER: ME0381
	ENGINEER / DESIGNER:
	TAIT
	PROJECT MANAGER:
	DM
	CHECKED BY:
	JV

DANA POINT HARBOR REVITALIZATION

Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN
EAST ISLAND PRIVATE UTILITY PLAN



SCALE: SEE	ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO.:	7

Permits: PLB22-0127-R2

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LIST AND COMPOSITE LIDS.

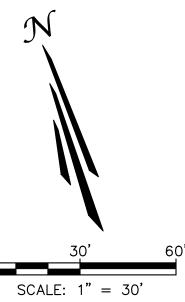
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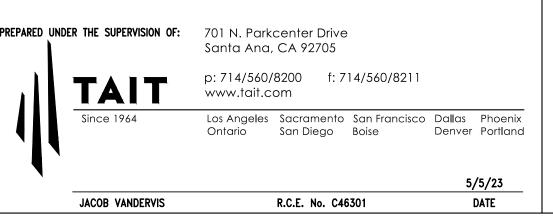
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2	05/04/23	SEWER LINE REVISIONS AND CONSTRUCTION NOTE UPDATES.		
NO.	DATE	DESCRIPTION	BY	
		REVISIONS		



PROJECT NUMBER: **GEOTECHNICAL** ME0381 **ENGINEER SEAL ENGINEER / DESIGNER:** PROJECT MANAGER:

CHECKED BY:

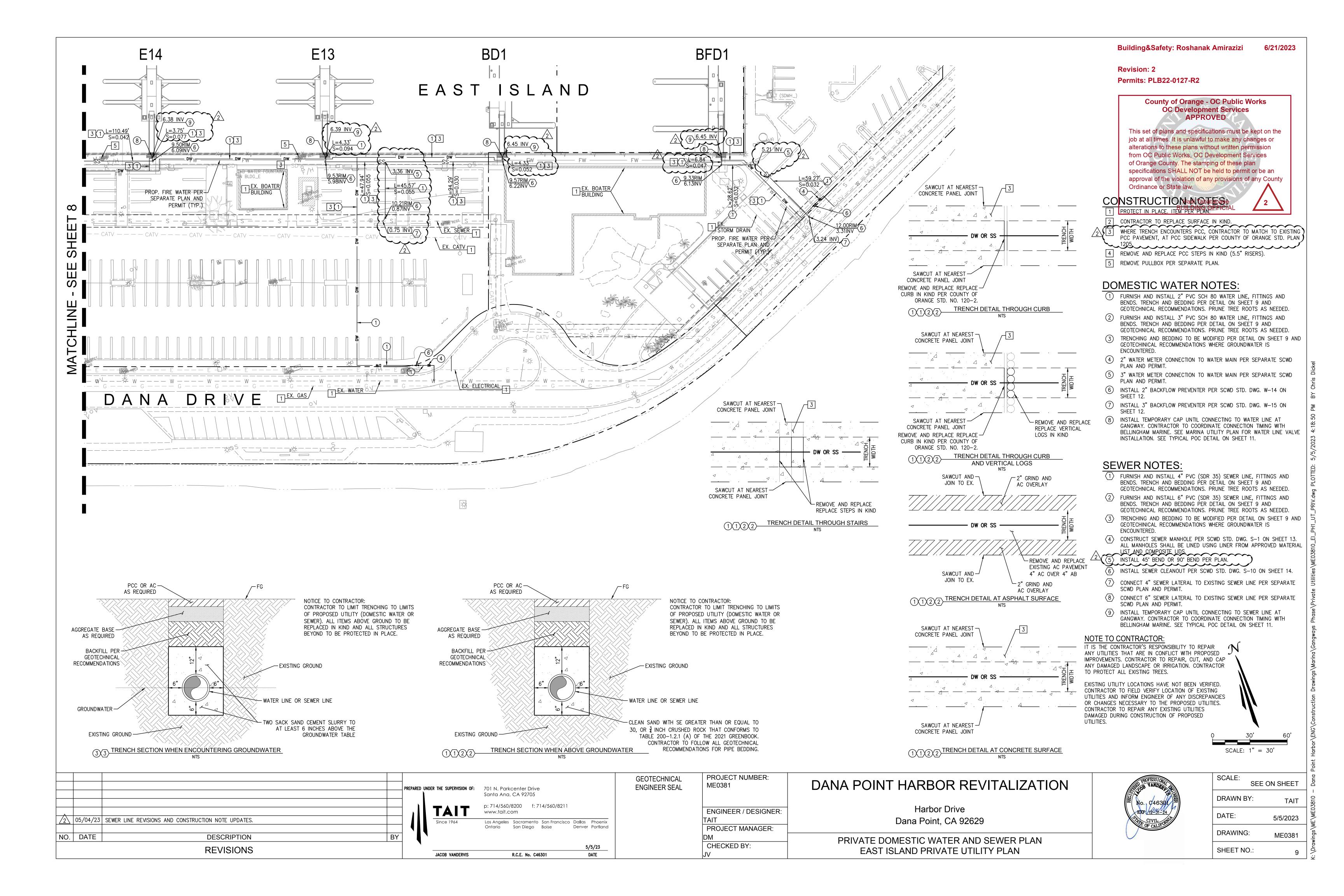
DANA POINT HARBOR REVITALIZATION

Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN EAST ISLAND PRIVATE UTILITY PLAN

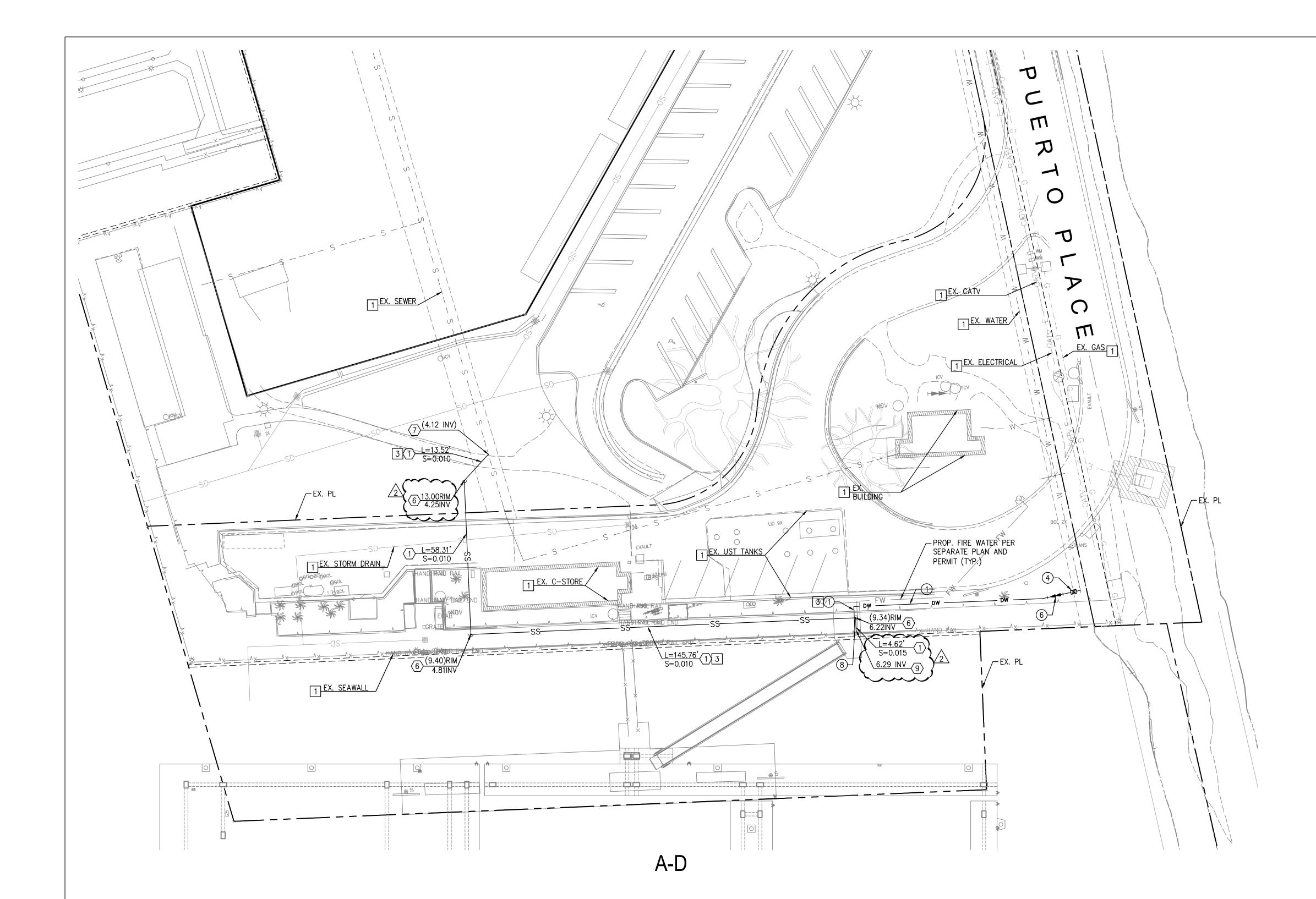


SCALE: SEE	ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO.:	8



SCALE: 1" = 20'

SEE ON SHEET DRAWN BY: TAIT DATE: 5/5/2023 DRAWING: ME0381 SHEET NO.:



Revision: 2

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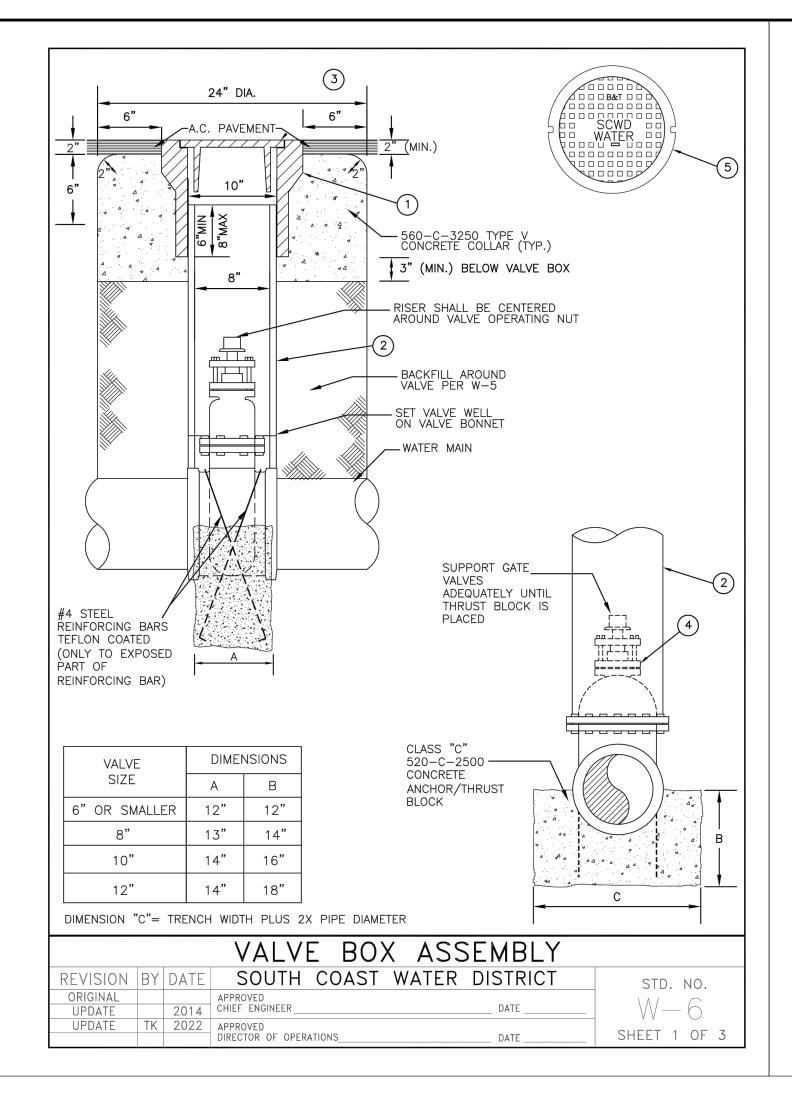
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NO.	DATE	DESCRIPTION	BY	1
	REVISIONS			

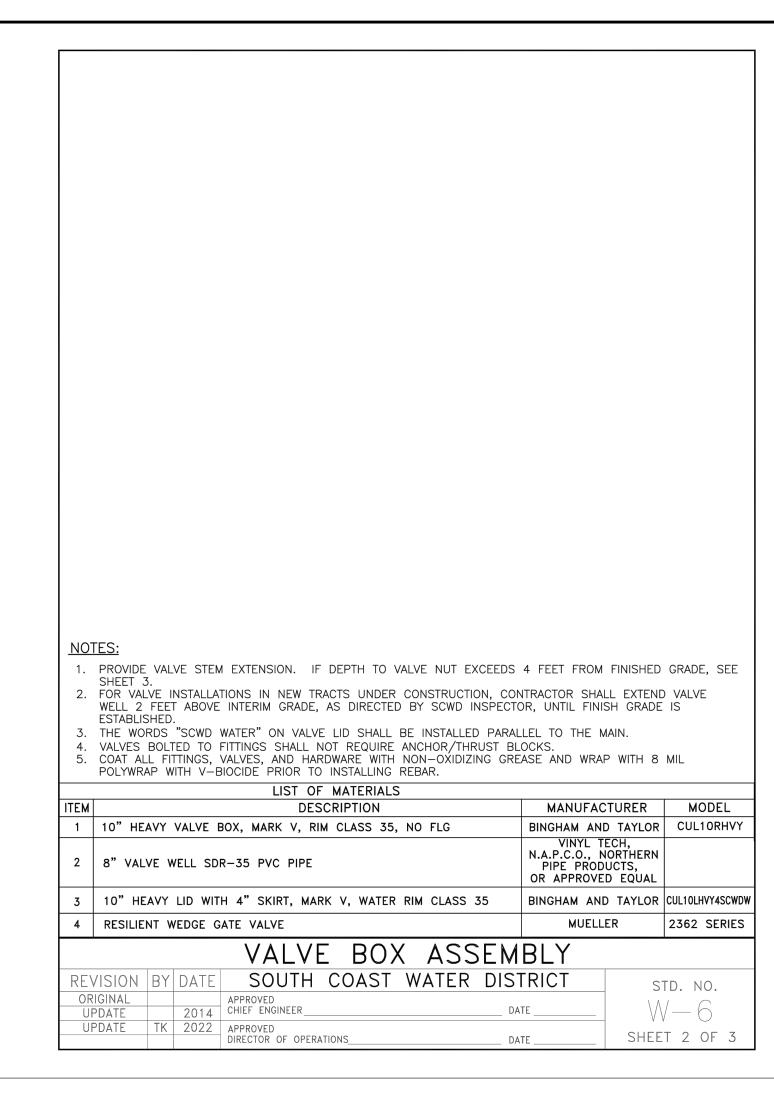
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Sir	nce 1964	Los Angeles Ontario	Sacramento San Diego	San Francisco Boise		Phoenix Portland
/ T	TAIT	p: 714/560/8200 f: 714/560/8211 www.tait.com				
EPARED UNDER THE SUPERVISION OF:		701 N. Parkcenter Drive Santa Ana, CA 92705				

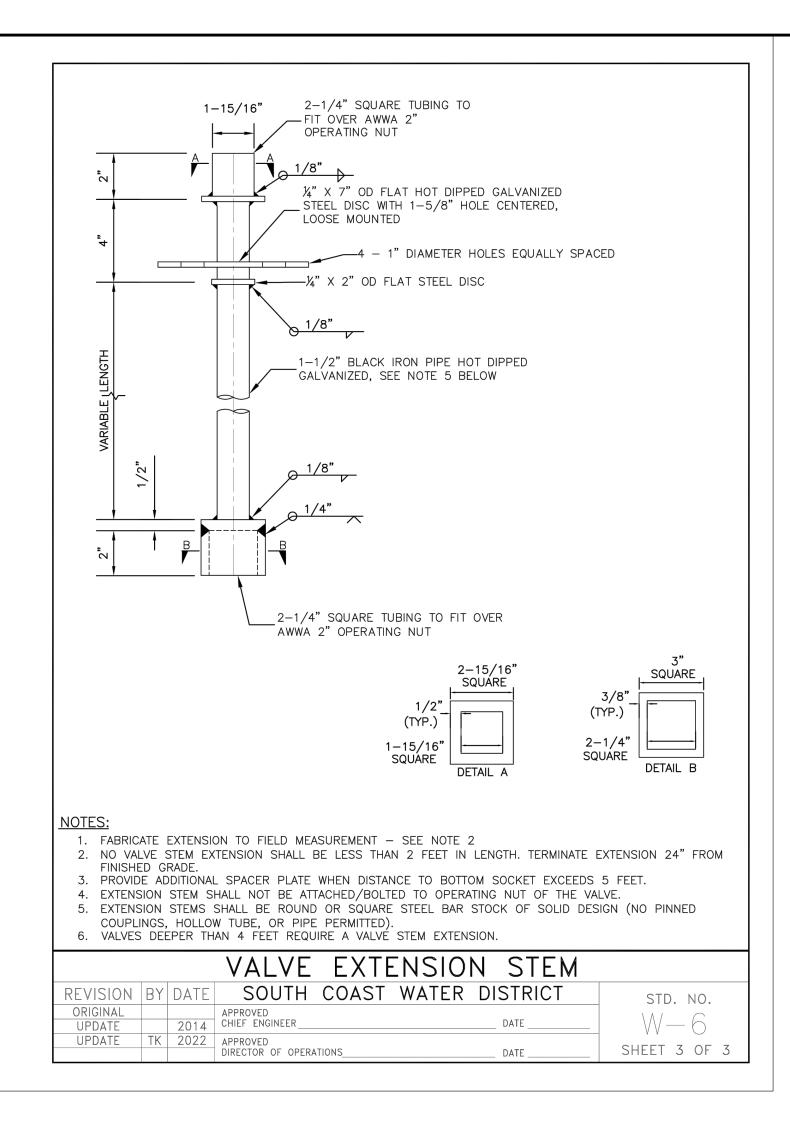
GEOTECHNICAL ENGINEER SEAL	PROJECT NUMBER: ME0381
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	TAIT
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	DM
	CHECKED BY:

DANA POINT HARBOR REVITALIZATION Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN GUEST DOCKS PRIVATE UTILITY PLAN







6/21/2023

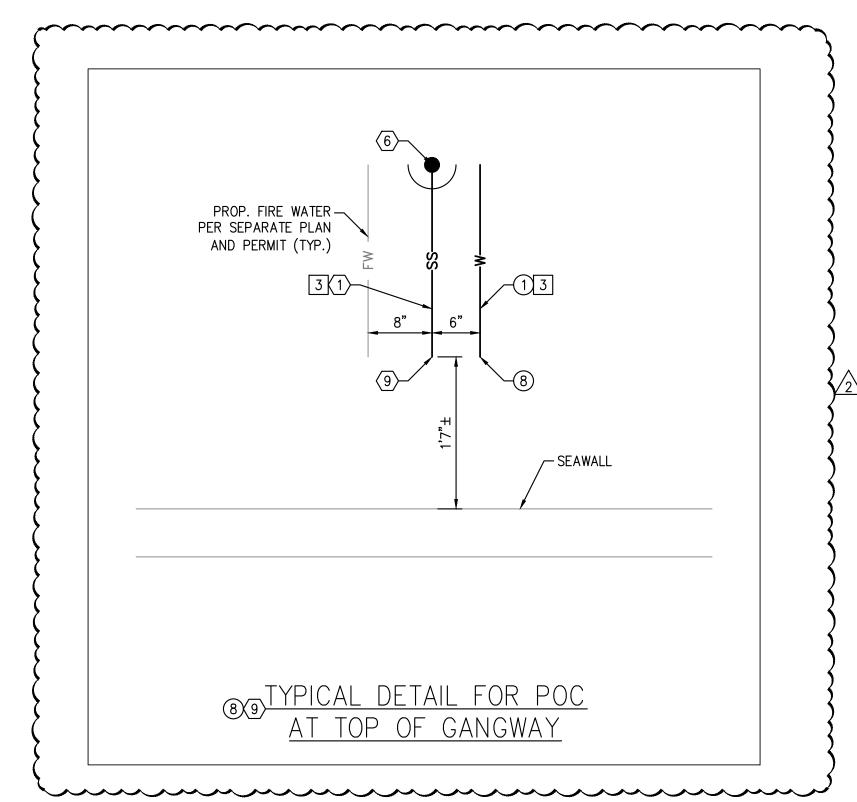
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> Hadi Tabatabaee **BUILDING OFFICIAL**

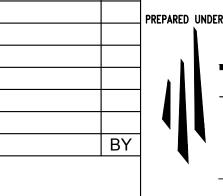


DESCRIPTION

REVISIONS

2 05/04/23 ADDED TYPICAL DETAIL FOR POC AT TOP OF GANGWAY.

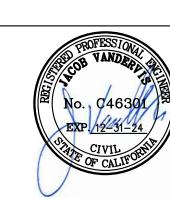
NO. DATE



PREPARED UNDER THE SUPERVISION OF: 701 N. Parkcenter Drive Santa Ana, CA 92705 p: 714/560/8200 f: 714/560/8211 Los Angeles Sacramento San Francisco Dallas Phoenix Ontario San Diego Boise Denver Portland Ontario San Diego Boise JACOB VANDERVIS R.C.E. No. C46301 DATE

GEOTECHNICAL ENGINEER SEAL

DANA POINT HARBOR REVITALIZATION



SEE ON SHEET DRAWN BY: TAIT DATE: 5/5/2023 DRAWING: ME0381 SHEET NO.:

PROJECT NUMBER: ME0381

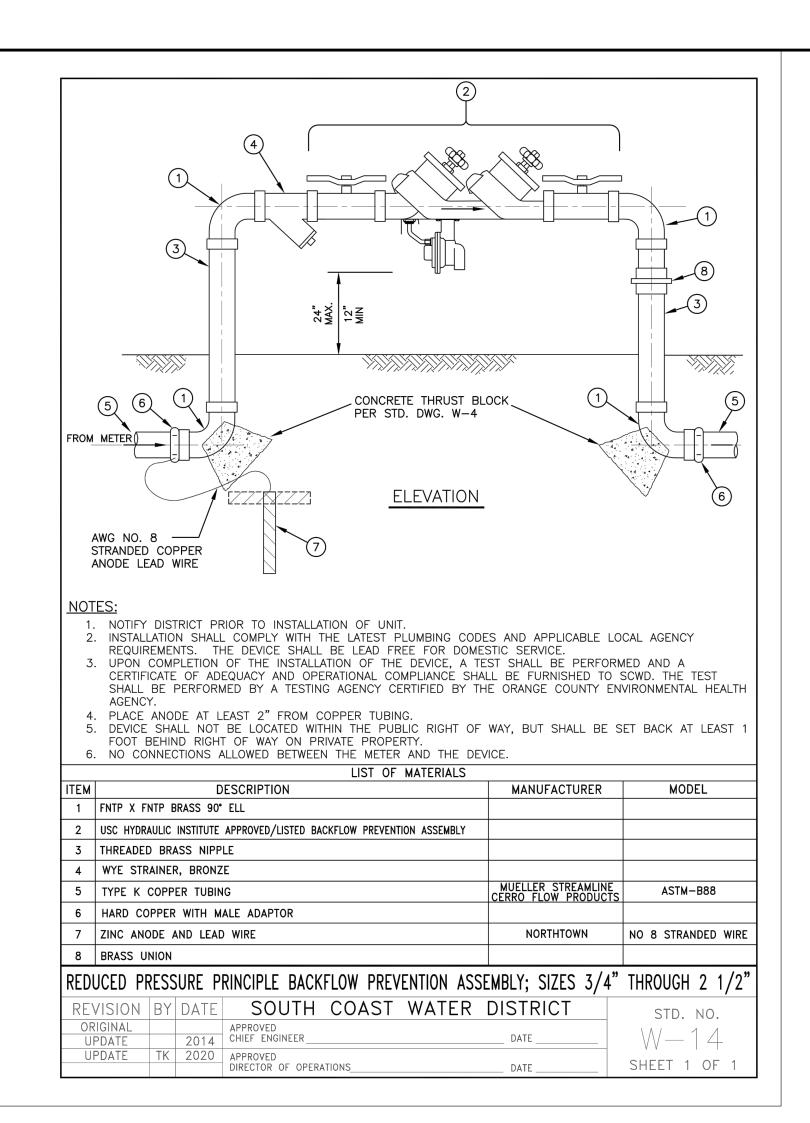
ENGINEER / DESIGNER:

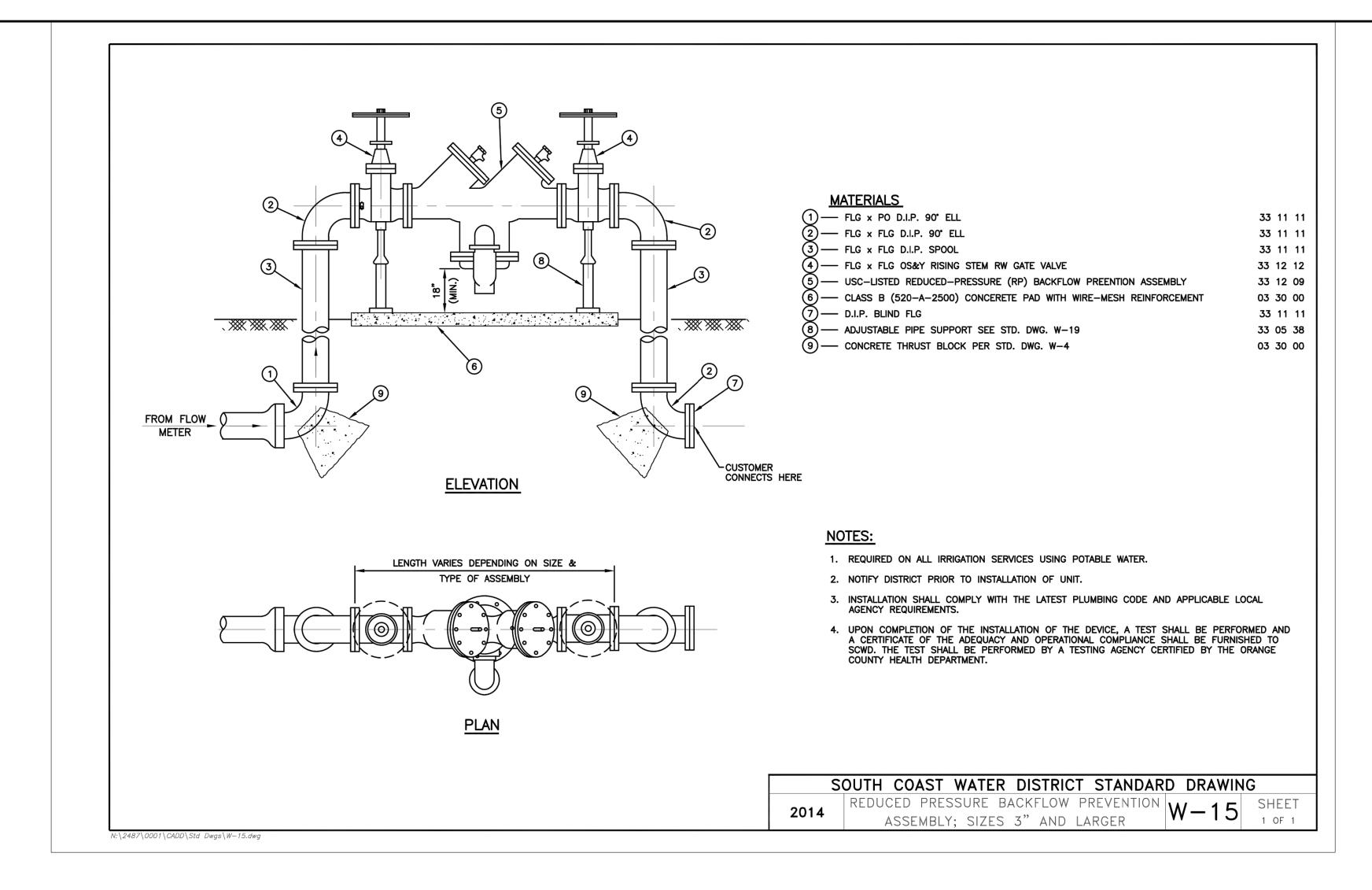
PROJECT MANAGER:

CHECKED BY:

Harbor Drive Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN WATER DETAILS





6/21/2023

Revision: 2

Permits: PLB22-0127-R2

County of Orange - OC Public Works **OC Development Services** APPROVED

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law.

BUILDING OFFICIAL

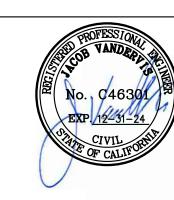
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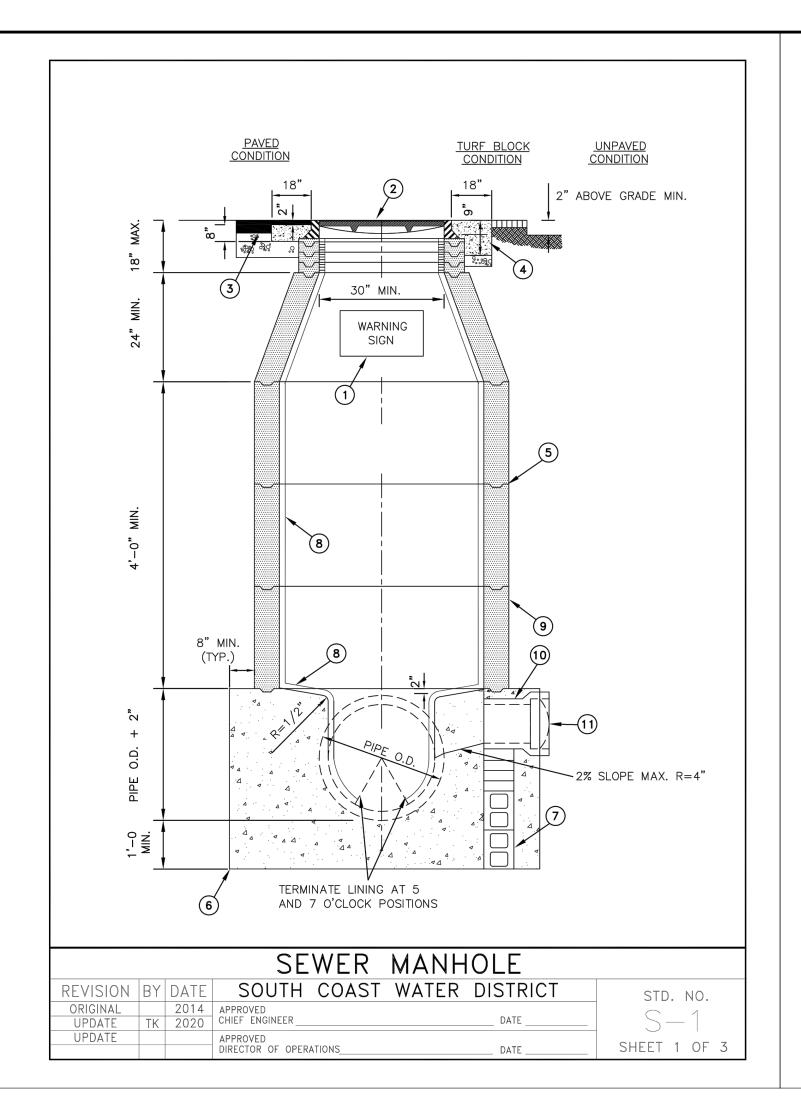
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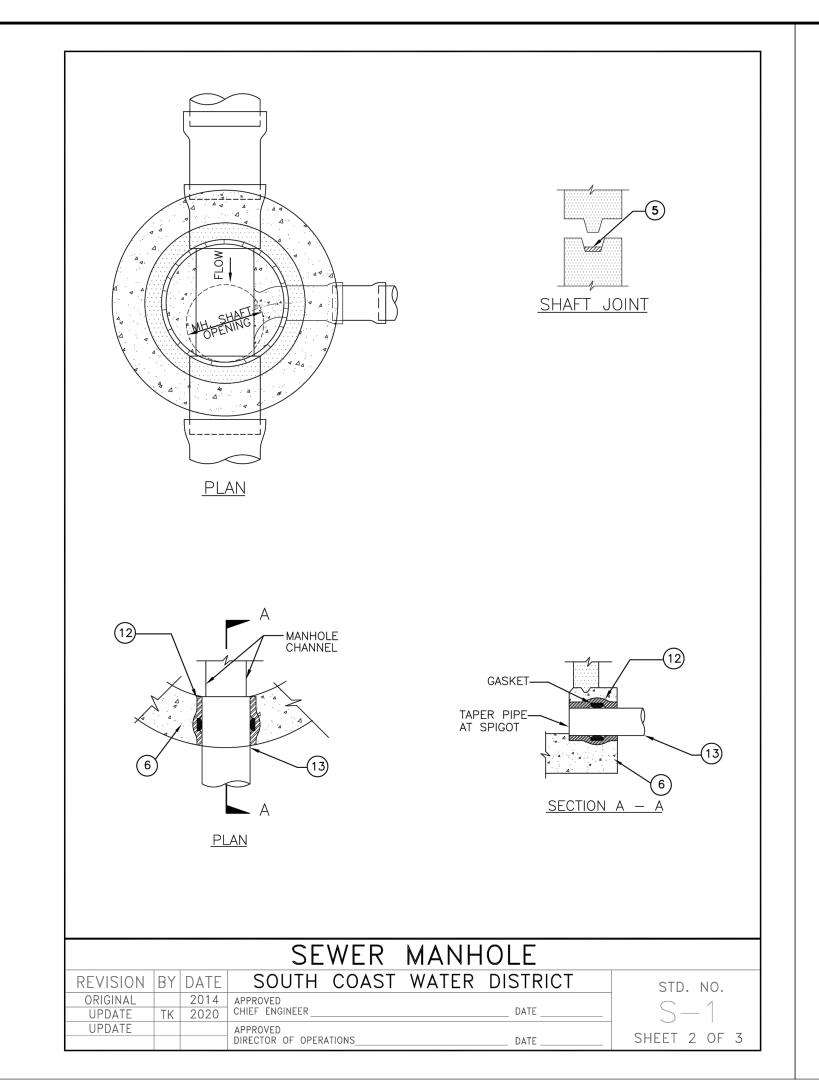
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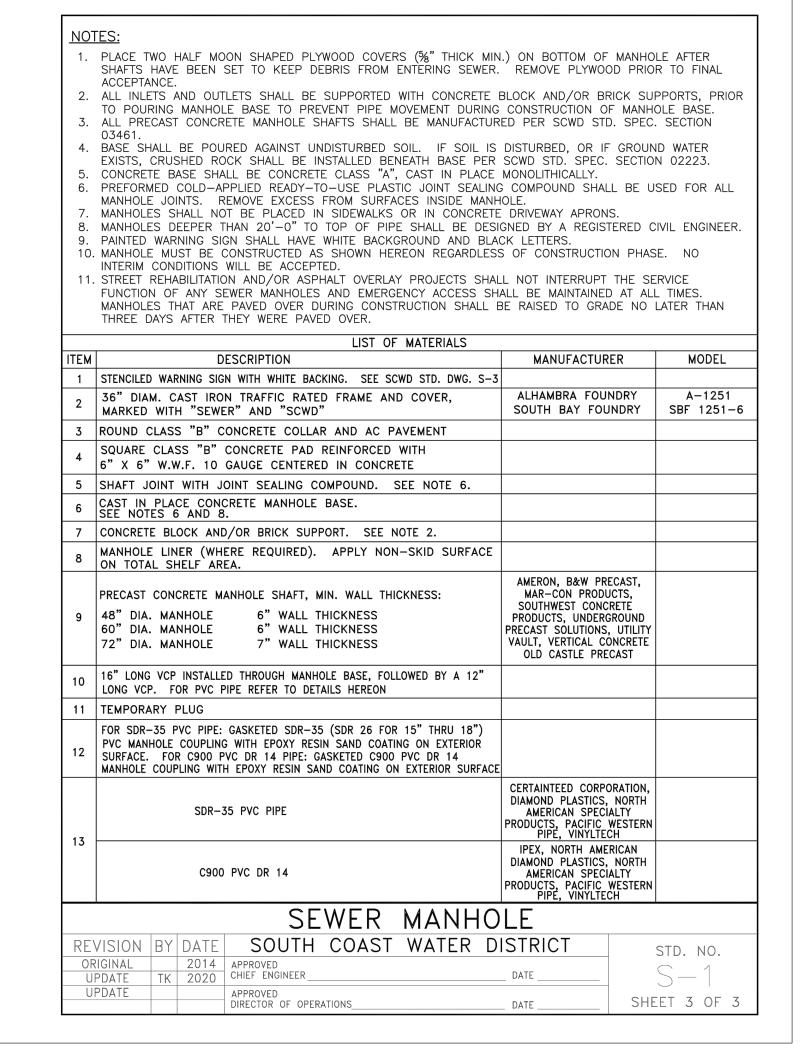
DANA POINT HARBOR REVITALIZATION Harbor Drive Dana Point, CA 92629 PRIVATE DOMESTIC WATER AND SEWER PLAN WATER DETAILS



SCALE: SEE	E ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO.:	12







6/21/2023

Revision: 2

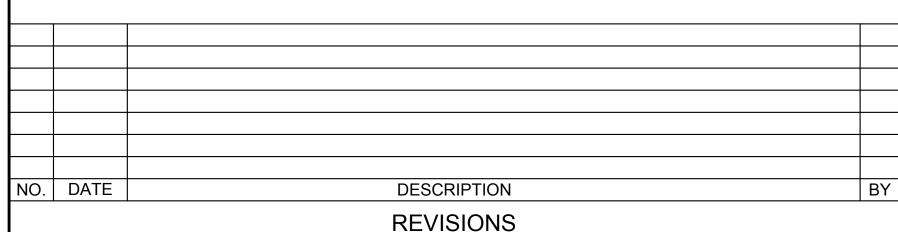
Permits: PLB22-0127-R2

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Hadi Tabatabaee BUILDING OFFICIAL

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GEOTECHNICAL
ENGINEER SEAL

PROJECT NUMBER:
ME0381

ENGINEER / DESIGNER:
TAIT
PROJECT MANAGER:
DM

CHECKED BY:

DANA POINT HARBOR REVITALIZATION Harbor Drive Dana Point, CA 92629

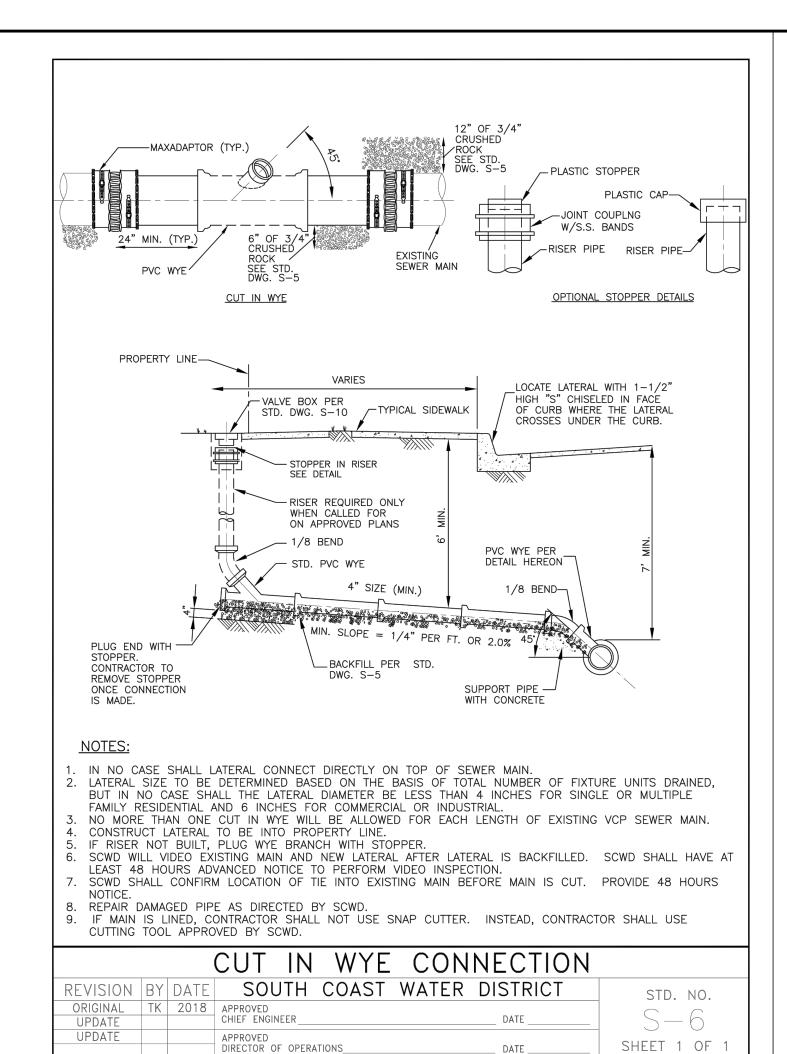
PRIVATE DOMESTIC WATER AND SEWER PLAN

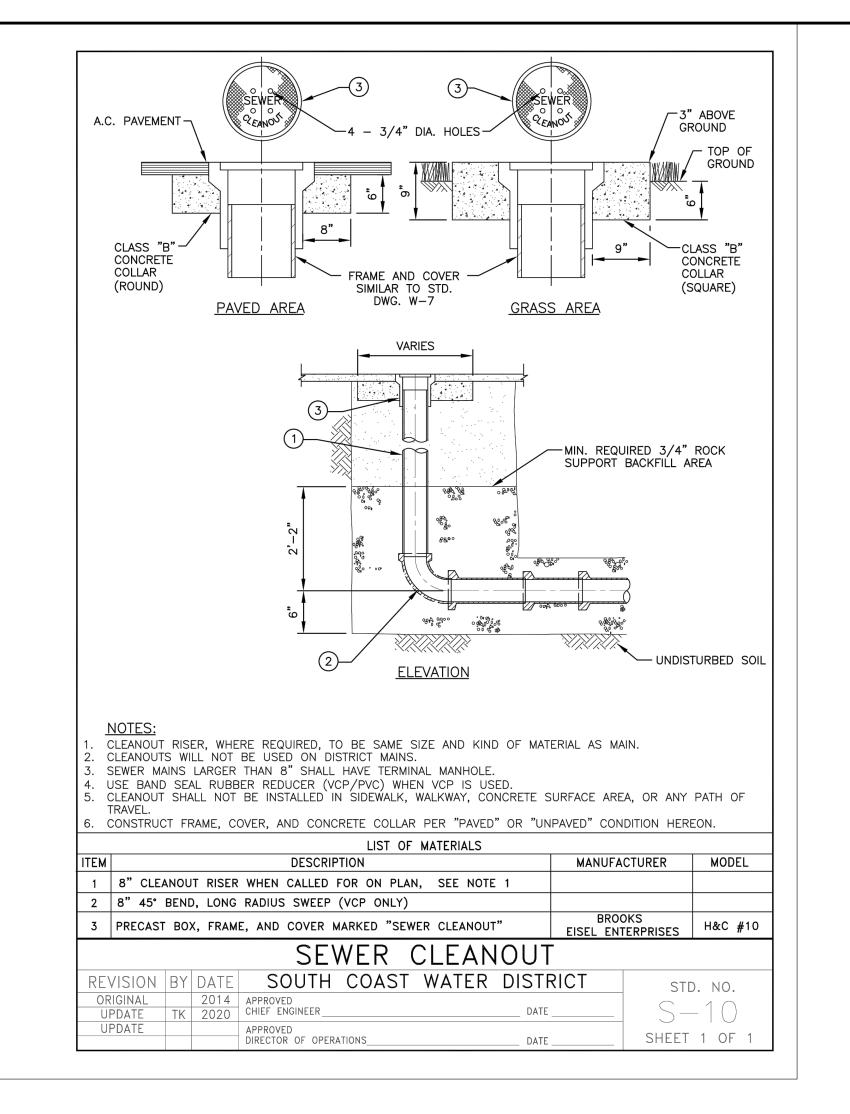
SEWER DETAILS

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EXP 12/31-2.

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SCALE: SEE	ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
SHEET NO.:	13





6/21/2023

Revision: 2

Permits: PLB22-0127-R2

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Hadi Tabatabaee BUILDING OFFICIAL 2

NO. DATE DESCRIPTION B
REVISIONS



GEOTECHNICAL
ENGINEER SEAL

PROJECT NUMBER:
ME0381

ENGINEER / DESIGNER:
TAIT
PROJECT MANAGER:
DM

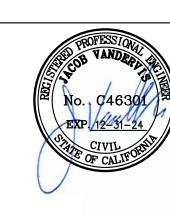
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DANA POINT HARBOR REVITALIZATION

Harbor Drive
Dana Point, CA 92629

PRIVATE DOMESTIC WATER AND SEWER PLAN

SEWER DETAILS



SCALE: SEE	ON SHEET
DRAWN BY:	TAIT
DATE:	5/5/2023
DRAWING:	ME0381
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