



REVISIONS	DATE	BY	DESCRIPTION
1	04/12/2024	ML	ISSUED FOR PERMIT
2	11/20/2023	AG	ISSUED FOR INTERNAL REVIEW

PLAT SHEET NO.:

SCALE:

AS SHOWN

DRAWN BY:

JACOBS

DESIGNED BY:

D. SALEHI

TECH REVIEW: DATE:

CHECKED BY: DATE:

APPROVED BY: DATE:

TITLE: PALOS VERDES STATION 22 PORTABLE GENERATOR

TITLE SHEET, DRAWING INDEX & VICINITY MAP

DISTRICT:

PALOS

VERDES

PROJECT ID:

00121426

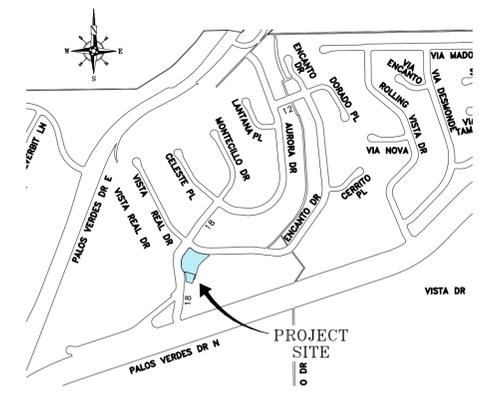
DRAWING NO.:

PV-3820-G-01

SHT 1 OF 27

# CALIFORNIA WATER SERVICE

## PALOS VERDES DISTRICT STATION 22 PORTABLE GENERATOR



VICINITY MAP  
N.T.S.

**SUMMARY OF WORK**

- INSTALL NEW MEDIUM VOLTAGE PANELBOARD AND TRANSFORMER, LOW VOLTAGE PANELBOARD, AND RTU
- CONNECT EXISTING MEDIUM VOLTAGE PANELBOARD BUS TO NEW AND UPGRADE EXISTING PANELBOARD AS INDICATED
- CONSTRUCT NEW EQUIPMENT PADS
- SAWCUT EXISTING CONCRETE
- INSTALL NEW CONDUIT AND DUCT BANK
- INSTALL AC PAVEMENT
- INSTALL NEW WIDENED ENTRANCE GATE
- REMOVE EXISTING GATE AND FENCE
- DEMOLISH EXISTING AC PAVEMENT
- GRADE SITE FOR PORTABLE GENERATOR TEMP BERM

**PROPERTY LOCATION**

NEAR 1 ENCANTO DRIVE  
ROLLING HILLS ESTATES, CA 90274  
LOS ANGELES COUNTY  
A.P.N# 7551-031-038

**DRAWING INDEX**

DWG. NUMBER	SHEET	REV	DRAWING TITLE	CAD FILE NO.
PV-3820-G-01	1 OF 27	B	TITLE SHEET, DRAWING INDEX & VICINITY MAP	PV-3820-G-01
PV-3821-C-01	2 OF 27	B	EXISTING CONDITIONS AND DEMOLITIONS	PV-3821-C-01
PV-3821-C-02	3 OF 27	B	GRADING AND DRAINAGE PLAN	PV-3821-C-02
PV-3821-C-03	4 OF 27	B	PAVING PLAN	PV-3821-C-03
PV-3821-C-04	5 OF 27	B	GATE WIDENING PLAN	PV-3821-C-04
PV-3821-C-05	6 OF 27	B	EROSION CONTROL PLAN	PV-3821-C-05
PV-3821-C-06	7 OF 27	B	CIVIL DETAILS	PV-3821-C-06
PV-3821-C-07	8 OF 27	B	CIVIL DETAILS	PV-3821-C-07
PV-3822-E-01	9 OF 27	B	ELECTRICAL LEGENDS, SYMBOLS, AND ABBREVIATIONS	PV-3822-E-01
PV-3822-E-02	10 OF 27	B	ELECTRICAL LEGENDS, SYMBOLS, AND ABBREVIATIONS	PV-3822-E-02
PV-3823-E-03	11 OF 27	B	ELECTRICAL SITE PLAN	PV-3823-E-03
PV-3824-E-04	12 OF 27	B	SINGLE LINE DIAGRAM	PV-3824-E-04
PV-3825-E-05	13 OF 27	B	ELECTRICAL SCHEMATIC	PV-3825-E-05
PV-3825-E-06	14 OF 27	B	ELECTRICAL SCHEMATIC	PV-3825-E-06
PV-3826-E-07	15 OF 27	B	PANELBOARD LAYOUT	PV-3826-E-07
PV-3826-E-08	16 OF 27	B	PANELBOARD LAYOUT	PV-3826-E-08
PV-3826-E-09	17 OF 27	B	PANELBOARD LAYOUT	PV-3826-E-09
PV-3827-E-10	18 OF 27	B	ELECTRICAL DETAILS	PV-3827-E-10
PV-3827-E-11	19 OF 27	B	ELECTRICAL DETAILS	PV-3827-E-11
PV-3827-E-12	20 OF 27	B	ELECTRICAL DETAILS	PV-3827-E-12
PV-3828-E-13	21 OF 27	B	RTU TERMINAL WIRING DIAGRAM	PV-3828-E-13
PV-3829-S-01	22 OF 27	A	GENERAL STRUCTURAL NOTES	PV-3829-S-01
PV-3829-S-02	23 OF 27	A	GENERAL STRUCTURAL NOTES	PV-3829-S-02
PV-3829-S-03	24 OF 27	A	GENERAL STRUCTURAL NOTES	PV-3829-S-03
PV-3829-S-04	25 OF 27	A	TRANSFORMER FOUNDATION PLAN AND SECTION	PV-3829-S-04
PV-3829-S-05	26 OF 27	A	LOW VOLTAGE PANELBOARD FOUNDATION PLAN AND SECTION	PV-3829-S-05
PV-3829-S-06	27 OF 27	A	MEDIUM VOLTAGE PANELBOARD FOUNDATION PLAN AND SECTION	PV-3829-S-06

**GENERAL NOTES:**

- CONTRACTOR SHALL BECOME FAMILIAR WITH PROJECT SURROUNDINGS, WORKING CONDITIONS, AND SITE LIMITATIONS AND WILL INCLUDE ALLOWANCES IN THEIR BID TO COVER ANY PROJECT CONSTRAINTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO AND COMPLYING WITH LOCAL GOVERNING AGENCY PERMIT RESTRICTIONS, WHICH MAY AFFECT ALLOWABLE WORKING HOURS AND NOISE LEVELS.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED BY APPLICABLE LOCAL GOVERNING AGENCY. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PER CALTRANS STANDARDS TO OWNER PRIOR TO CONSTRUCTION, IF REQUIRED. WORK REQUIRING TRAFFIC CONTROL SHALL BE CONDUCTED BETWEEN THE HOURS OF 9:00 A.M. AND 3:30 P.M., MONDAY THRU FRIDAY, OR AS OTHERWISE AUTHORIZED BY LOCAL GOVERNING AGENCY REPRESENTATIVE.
- CONTRACTOR SHALL APPLY CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) BEST MANAGEMENT PRACTICES TO PREVENT WATER AND SEDIMENT FROM ENTERING NAVIGABLE WATERWAYS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND INSTALLING THE APPLICABLE AND APPROPRIATE BMPs IDENTIFIED IN THE CASQA - STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK AVAILABLE ONLINE AT WWW.CABMPHANDBOOKS.COM. SOME OF THE REQUIRED PRACTICES MAY OR MAY NOT BE SHOWN ON THIS SITE PLAN.
- CONTRACTOR TO CONTACT "UNDERGROUND SERVICE ALERT" 48 HOURS PRIOR TO ANY EXCAVATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES.
- TRENCH TO BE SHORED IN ACCORDANCE WITH CALIFORNIA OSHA REGULATIONS.
- PLACE A CONTINUOUS WIRE AND STRIP OF DETECTOR TAPE OVER ALL PIPES AND EXTEND UP INTO ALL VALVE BOXES. TRACER WIRE IS REQUIRED ON ALL PIPE. (SEE LATEST REVISION OF DRAWING CW-850).
- SEE LATEST REVISION OF DRAWING CW-435 FOR TYPICAL THRUST BLOCK INSTALLATION.
- FACILITIES SEPARATION:
  - WATER MAIN SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM AND ONE FOOT VERTICALLY ABOVE ANY PARALLEL PIPELINE CONVEYING SEWAGE (UNTREATED, PRIMARY, OR SECONDARY), DISINFECTED SECONDARY RECYCLED WATER, OR HAZARDOUS FLUIDS.
  - WATER MAIN SHALL BE INSTALLED AT LEAST 4 FEET HORIZONTALLY FROM AND ONE FOOT VERTICALLY ABOVE ANY PIPELINE CONVEYING TERTIARY RECYCLED WATER OR STORM DRAINAGE.
  - AT CROSSINGS, WATER MAIN SHALL BE CONSTRUCTED NO LESS THAN 45-DEGREES TO AND AT LEAST ONE FOOT VERTICALLY ABOVE ANY PIPELINES INDICATED IN A AND B ABOVE.
  - NO CONNECTION JOINTS SHALL BE MADE IN THE WATER MAIN WITHIN EIGHT (8) HORIZONTAL FEET OF CROSSING ANY PIPELINES INDICATED IN A AND B ABOVE.
  - WATER MAIN SHALL NOT BE INSTALLED WITHIN 100 HORIZONTAL FEET OF ANY SANITARY LANDFILL, WASTEWATER DISPOSAL POND, OR HAZARDOUS WASTE DISPOSAL SITE.
  - WATER MAIN SHALL NOT BE INSTALLED WITHIN 25 HORIZONTAL FEET OF ANY GESSPOOL, SEPTIC TANK, SEWAGE LEACH FIELD, SEEPAGE PIT, UNDERGROUND HAZARDOUS MATERIAL STORAGE TANK, OR GROUNDWATER RECHARGE PROJECT SITE.
- WHEN ASSEMBLING A PVC C-900 PIPE TO AN IRON FITTING (PUSH-ON OR MECHANICAL JOINT), REMOVE ALL BUT 1/4 INCH OF THE FACTORY-MADE BEVEL FROM THE SPIGOT END OF THE PIPE PRIOR TO INSTALLATION.
- VALVE CANS AND COVERS SHALL BE PLACED OVER ALL VALVES. COVERS SHALL BE SET TO EXISTING FINISHED GRADE AND RESET IF NECESSARY ONCE THE STREET IS AT FINAL GRADE. (SEE LATEST REVISION OF DRAWINGS CW-14 AND CW-439).
- NO VALVE COVERS ARE TO LIE IN SIDEWALKS, CROSS GUTTER, CURB OR DRIVEWAYS. EACH SERVICE SHOULD ALSO BE LOCATED TO PROVIDE PROTECTION TO THE METER BOX FROM VEHICLE TRAFFIC AND PARKING.
- PROTECT UNDERGROUND FLEXIBLE COUPLINGS, BARE STEEL, MJ x MJ SLEEVES, AND ALL BOLTS (INCLUDING STAINLESS STEEL) AS FOLLOWS:
  - THE ENTIRE AREA OF THE FITTING MUST BE DRY AND FREE OF DUST, DIRT, AND OTHER FOREIGN MATTER. RUST OR OTHER FOREIGN MATTER MUST BE REMOVED BY SCRAPING OR WIRE BRUSHING. WIPING WITH A DRY CLEAN CLOTH MAY BE NECESSARY TO REMOVE THE PARTICLES FROM BRUSH CLEANING. ANY OIL OR GREASE MUST BE REMOVED BY USING A LOW RESIDUE, VOLATILE PETROLEUM SOLVENT BEFORE APPLICATION OF GREASE AND WRAPPING.
  - THE EXPOSED AREA SHOULD BE COATED WITH A HEAVY COATING OF METALGUARD 301 GREASE BY THE GLOVE METHOD TO A THICKNESS OF AT LEAST 1/4".
  - FIRMLY WRAP THE ENTIRE GREASE AREA WITH ONE LAYER, HALF-LAPPED, OF A WOVEN GLASS FILAMENT MESH (RES OR BIT WRAP, 4" WIDE).
  - APPLY A SECOND LAYER OF METALGUARD 301 GREASE ON TOP OF THE GLASS FILAMENT BY THE GLOVE METHOD TO A THICKNESS OF AT LEAST 1/4".
  - FIRMLY WRAP THE ENTIRE GREASE AREA WITH A SECOND LAYER, HALF-LAPPED, OF THE WOVEN GLASS FILAMENT MESH.
  - COVER THE ENTIRE MESH WRAPPED AREA OF THE FITTING WITH A THIRD AND FINAL COATING AT LEAST 1/4" THICK OF METALGUARD 301 GREASE BY THE GLOVE METHOD.
  - FIRMLY APPLY 2 LAYERS OF POLYWRAP, HALF-LAPPED, OVER ALL AREAS OF THE COATED AND WRAPPED FITTING. BACKFILLING MAY FOLLOW IMMEDIATELY AFTER THIS WRAPPING.
- TRENCH BACKFILL COMPACTION AND PAVING SHALL CONFORM TO TRENCH SECTION DETAILS AND ALL GOVERNING AGENCY REQUIREMENTS.
- NEW PIPELINE SHALL BE INSTALLED WITH 4 FEET OF COVER, EXCEPT WHERE SPECIFIED.
- CONTRACTOR SHALL LIMIT DAILY TRENCHING OPERATIONS TO THE LENGTH OF PIPE THAT CAN BE INSTALLED AND BACKFILLED THAT DAY.
- CONTRACTOR SHALL INSTALL NEW MAIN AND ADJUST FROM NOMINAL LINE AND GRADE TO MATCH THE EXISTING FACILITIES AT ALL LOCATIONS. THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP AND BLOW-OFF AT TIE-IN LOCATIONS FOR TESTING. (SEE LATEST REVISION OF DRAWINGS CW-122 & CW-638). CONTRACTOR WILL TIE THE NEW MAIN FROM THIS LOCATION.
- THE NEW PIPELINE SHALL BE TESTED AT 150 PSI FOR A PERIOD OF 4 HOURS. SEE SPECIFICATIONS TO DETERMINE EXACT TESTING REQUIREMENTS.
- TIE-INS TO BE MADE AT A TIME THAT IS CONVENIENT TO OWNER WHICH MAY BE AT NIGHTS OR WEEKENDS. THE ADDITIONAL COST DUE TO OVERTIME PAY SHALL BE AT OWNER'S EXPENSE.
- CONTRACTOR SHALL PROVIDE MISC. MATERIAL REQUIRED TO COMPLETE THE TIE-IN SUCH AS, BUT NOT LIMITED TO: PROTECTION COATING MATERIAL FOR PIPE AND FITTINGS, LINEGUARD TAPE, CONCRETE FOR THRUST BLOCKS, EMBEDMENT BACKFILL AROUND AND OVER THE PIPE, FINAL BACKFILL TO MEET COMPACTION REQUIREMENTS, AND PAVEMENT REPLACEMENT.
- CONTRACTOR SHALL BE RESPONSIBLE TO ABANDON ALL PIPE ENDS BY PLUGGING WITH BRICK AND MORTAR, ABANDON ALL GATE VALVES BY REMOVING COVER, CUT CASING DOWN TO SUBGRADE, AND BACKFILL VALVE CASING WITH CONCRETE SLURRY TO REMOVE VOIDS. REPLACE BASE ROCK AND PERMANENT PAVEMENT AS NECESSARY. WHEN REMOVING EXISTING FITTINGS, CONTRACTOR SHALL ALSO REMOVE EXISTING CONCRETE THRUST BLOCK.
- CONTRACTOR SHALL RESTORE LAWN, GUTTER, PAVEMENT, BERM, AND CURB TO MATCH EXISTING PER GOVERNING AGENCY'S STANDARDS.
- SPOILS SHALL NOT REMAIN ON-SITE. DISPOSAL OF ALL PROJECT-GENERATED SPOILS SHALL BE AT A FACILITY LICENSED AND CLASSIFIED TO ACCEPT THE MATERIALS. CONTRACTOR TO PROVIDE OWNER WITH A FORMAL RECEIPT FROM THE ACCEPTING FACILITY. ALL MATERIALS THAT WILL REQUIRE TESTING PRIOR TO DISPOSAL SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE DISPOSAL FACILITY IN ADVANCE OF THE NEED FOR DISPOSAL.
- AT TIE-INS, CONTRACTOR SHALL SPRAY OR SWAB ALL FITTINGS WITH CHLORINE SOLUTION FOR DISINFECTION PRIOR TO FINAL CONNECTIONS.
- CONTRACTOR TO ENSURE AIR IN THE PIPELINE IS REMOVED USING EXISTING OUTLETS SUCH AS FIRE HYDRANTS AND BLOW OFFS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AIR RELEASES IF EXISTING OUTLETS ARE INSUFFICIENT.
- ALL WORK SHALL COMPLY WITH CAL WATER SPECIFICATIONS FOR MATERIALS, INSTALLATION, DISINFECTION AND DECHLORINATION PER LATEST REVISION OF DRAWING CW-863.
- ALL SLIP-ON WELDING FLANGES SHALL BE RAISED-FACE SLIP-ON WELDING FLANGES.
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION.



**TREE PROTECTION NOTES:**

- PROTECTIVE FENCING MUST BE INSTALLED PRIOR TO THE ARRIVAL OF MATERIALS, VEHICLES OR EQUIPMENT.
- PROTECTIVE FENCING MUST NOT BE MOVED, EVEN TEMPORARILY, AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED, UNLESS APPROVED BY A CERTIFIED ARBORIST.
- TREE PROTECTION FENCE TO CONSIST OF CHAIN LINK FENCING HAVING A MINIMUM HEIGHT OF 6 FEET, BE MOUNTED ON STEEL POST DRIVEN APPROXIMATELY 2 FEET INTO THE SOIL.
- PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS AND BRANCHES, SKINNING AND BRUISING OF BARK.
- THERE MUST BE NO GRADING, TRENCHING, OR SURFACE SCRAPING INSIDE THE DRIP LINES OF PROTECTED TREES, UNLESS SPECIFICALLY APPROVED BY A CERTIFIED ARBORIST.
- MATERIALS MUST NOT BE STORED, STOCKPILED, DUMPED, OR BURIED INSIDE THE DRIP LINES OF PROTECTED TREES.
- A CERTIFIED ARBORIST PROVIDED BY OWNER WILL BE AVAILABLE TO PROVIDE INSTRUCTION ON DRY OR BRANCH PRUNING IF REQUIRED. DO NOT BREAK OR CHOP.
- ANY ROOTS EXPOSED DURING CONSTRUCTION THAT ARE LARGER THAN 2 INCH DIAMETER SHOULD BE CLEANLY CUT AT THE EDGE OF THE EXCAVATION TRENCH AND COVERED WITH BURLAP AND KEPT MOIST UNTIL THE ROOTS CAN BE COVERED AGAIN WITH SOIL TYPICALLY WETTING THE BURLAP IN THE MORNING AND THE END OF THE WORKDAY IS SUFFICIENT.
- THE AREA UNDER THE DRIP LINE OF TREES SHOULD BE THOROUGHLY IRRIGATED TO A SOIL DEPTH OF 28" EVERY 3-4 WEEKS DURING THE DRY MONTHS.
- CONTRACTOR TO FOLLOW PALOS VERDES DISTRICT OAKS TREE PROTECTION STANDARDS AND GUIDELINES.



REGISTERED PROFESSIONAL ENGINEER  
No. 69486  
W. DING  
STATE OF CALIFORNIA

VERIFIED SCALES  
1" = 1'

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY





REVISIONS	DATE	BY	DESCRIPTION
1	04/12/2024	AG	ISSUED FOR PERMIT
2	11/20/2023	AG	ISSUED FOR INTERNAL REVIEW

PLAT SHEET NO.:

SCALE:

AS SHOWN

DRAWN BY:

JACOBS

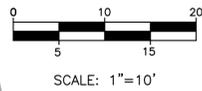
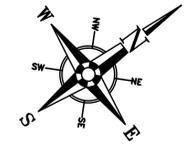
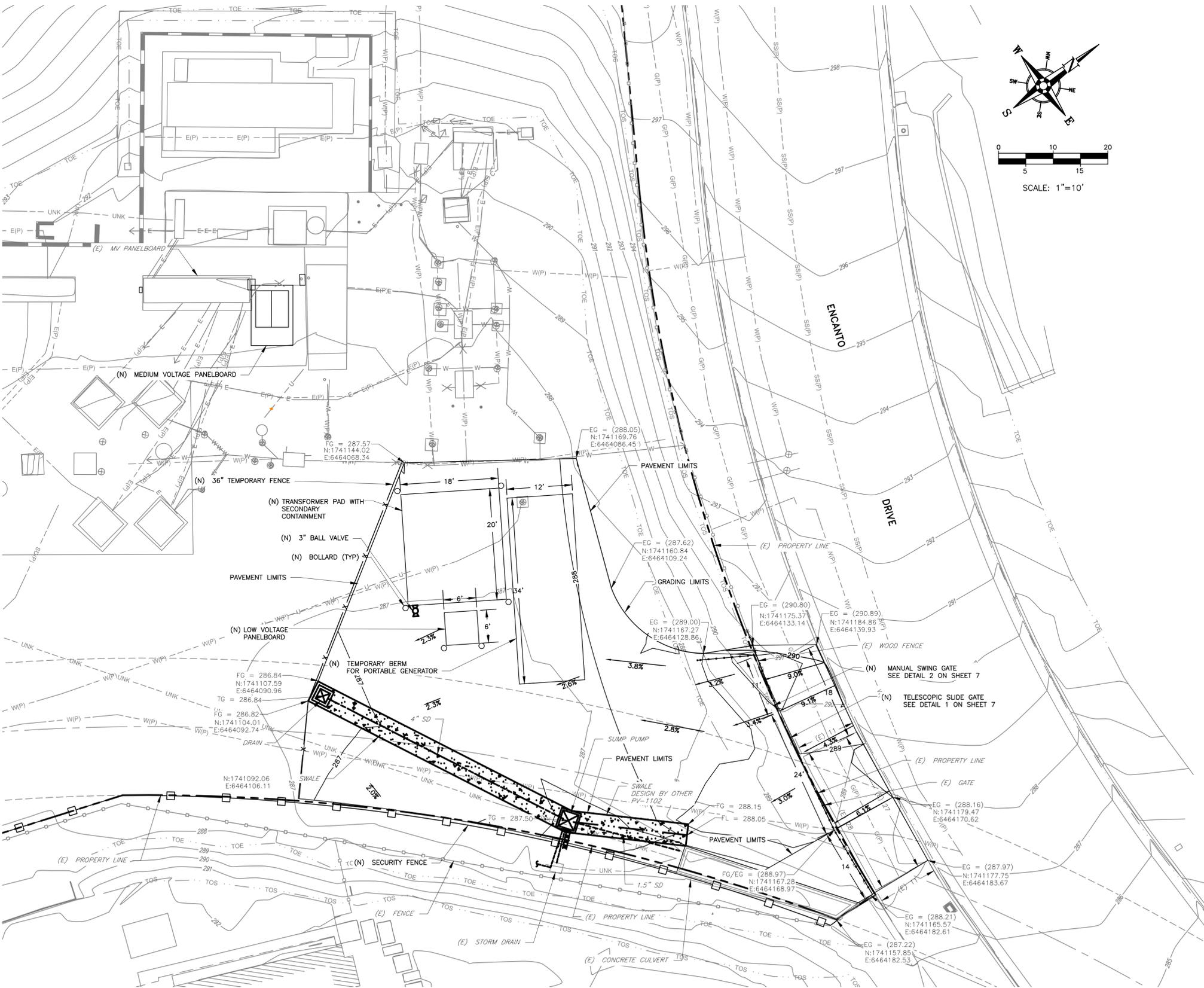
DESIGNED BY:

D. SALEHI

TECH REVIEW: DATE:

CHECKED BY: DATE:

APPROVED BY: DATE:



NOTES

- CONTRACTOR TO FIELD JUSTIFY GRADING LIMIT BASED ON EXISTING CONDITIONS
- ADJUST EXISTING VALVES, MANHOLES, VAULTS TO FINISHED GRADE OF NEW PAVEMENT

LEGEND

- BREAKLINE
- - - - - XXX - - - - - EXIST CONTOURS
- - - - - XXX - - - - - PROP CONTOURS
- x - - - - - TEMP FENCE

ISSUED FOR PERMIT  
12/5/25

VERIFY SCALES  
0 1"  
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

**SITE PLAN**  
1" = 10'

**Jacobs**

DRAWN BY: **M. LAVA**  
DESIGNED BY: **M. LAVA**  
CHECKED BY: **WD**  
APPROVED BY: *[Signature]*  
DATE: **12/5/25**



TITLE: **PALOS VERDES STATION 22  
PORTABLE GENERATOR  
GRADING AND DRAINAGE PLAN**

DISTRICT: **PALOS VERDES**  
PROJECT ID: **00121426**  
DRAWING NO.: **PV-3821-C-02**  
SHT 3 OF 27



REVISIONS	DATE	BY	DESCRIPTION
1	04/12/2024	WD	ISSUED FOR PERMIT
2	11/20/2023	AG	ISSUED FOR INTERNAL REVIEW

PLAT SHEET NO.:

SCALE:

AS SHOWN

DRAWN BY:

JACOBS

DESIGNED BY:

D. SALEHI

TECH REVIEW: DATE:

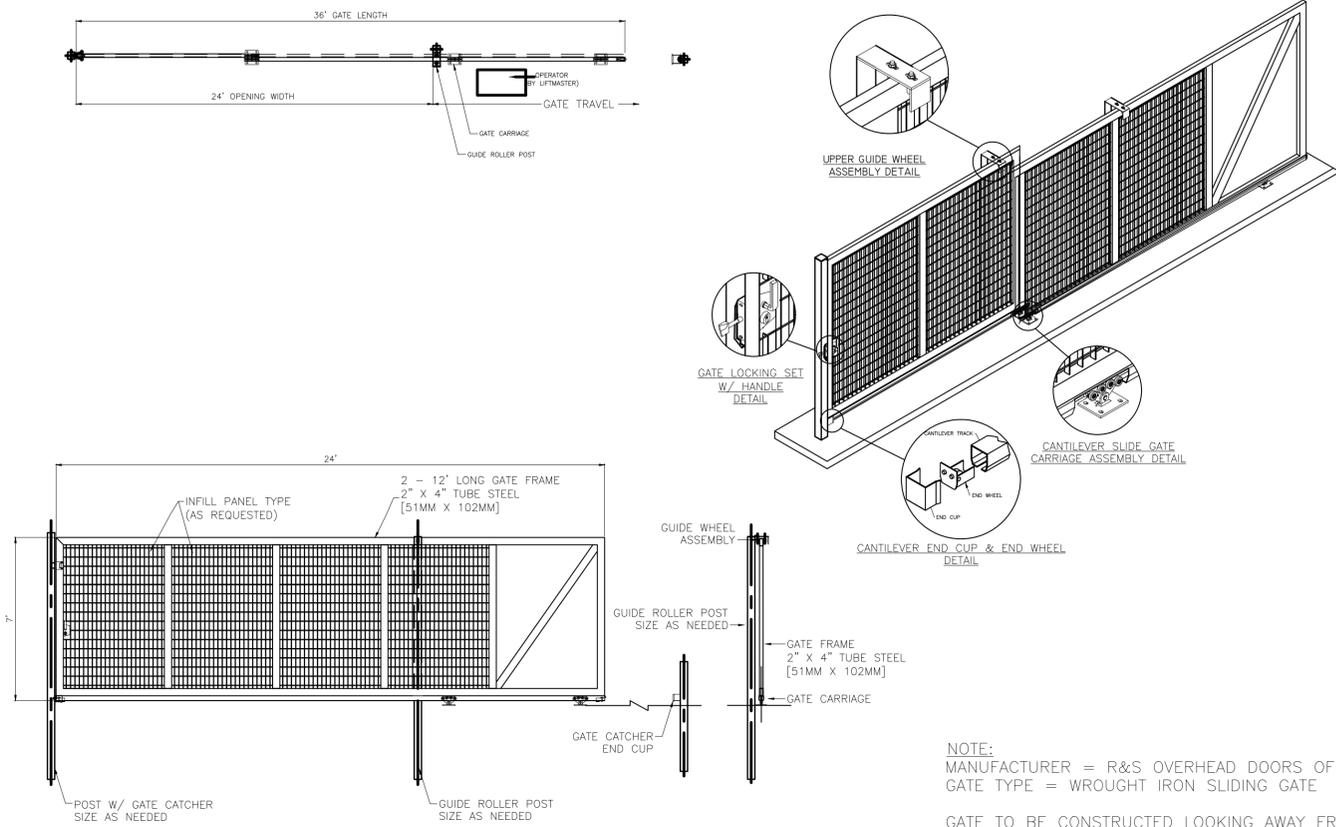
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APPROVED BY: DATE:

TITLE: PALOS VERDES STATION 22  
PORTABLE GENERATOR  
CIVIL DETAILS

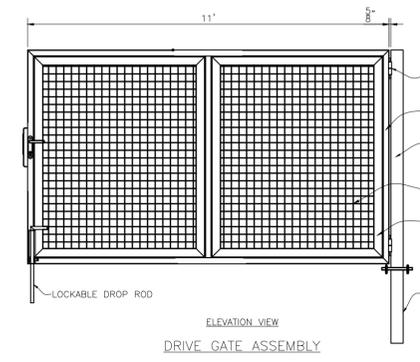
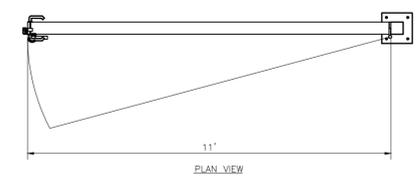
DISTRICT:  
PALOS  
VERDES  
PROJECT ID.:  
00121426  
DRAWING NO.:  
PV-3821-C-07  
SHT 8 OF 27

NOTE:  
MANUFACTURER = R&S OVERHEAD DOORS OF SOUTHBAY  
GATE TYPE = WROUGHT IRON SLIDING GATE  
GATE TO BE CONSTRUCTED LOOKING TOWARDS SITE

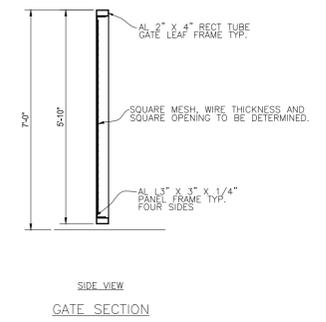


DETAIL 1 TELESCOPIC SLIDE GATE  
NTS

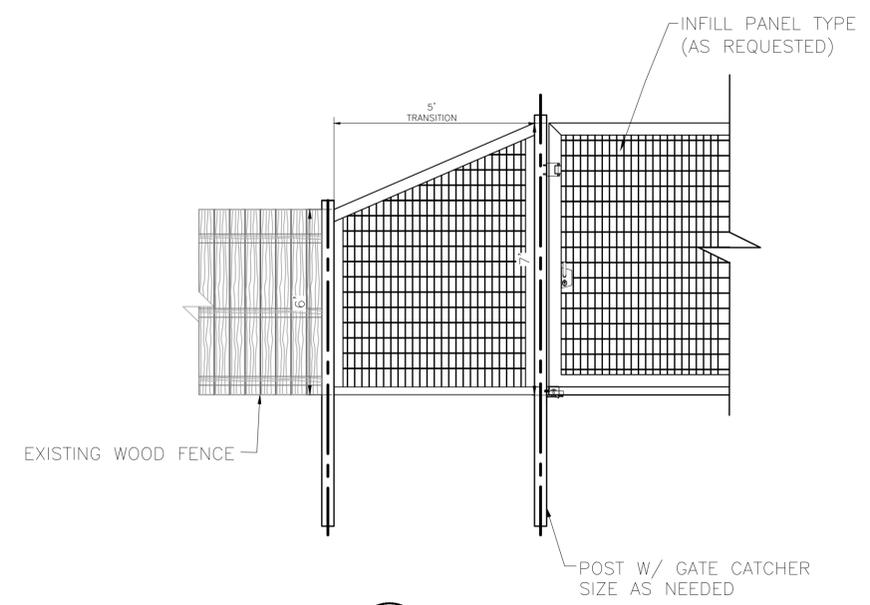
NOTE:  
MANUFACTURER = R&S OVERHEAD DOORS OF SOUTHBAY  
GATE TYPE = WROUGHT IRON SLIDING GATE  
GATE TO BE CONSTRUCTED LOOKING AWAY FROM SITE.



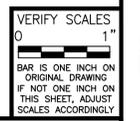
DETAIL 2 MANUAL SWING GATE  
NTS



SIDE VIEW  
GATE SECTION



DETAIL 3 FENCE TRANSITION  
NTS



VERIFY SCALES  
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<h1>Jacobs</h1>		

# CALIFORNIA WATER SERVICE

## PALOS VERDES PUMP STATION 22

### SECURITY WALL PROJECT

MONTECILLO & ENCANTO DR, ROLLING HILLS, CA 90274

ENGINEERING



DEPARTMENT

REVISIONS:

NO.	DESCRIPTION	DATE

DATE: \_\_\_\_\_

DISTRIBUTION:  MAP  PLAT SHEET  SYSTEM SCHEMATIC  STATION SCHEMATIC

PLAT SHEET NO.:

SCALE:

SEE PLAN

DRAWN BY:

MDT

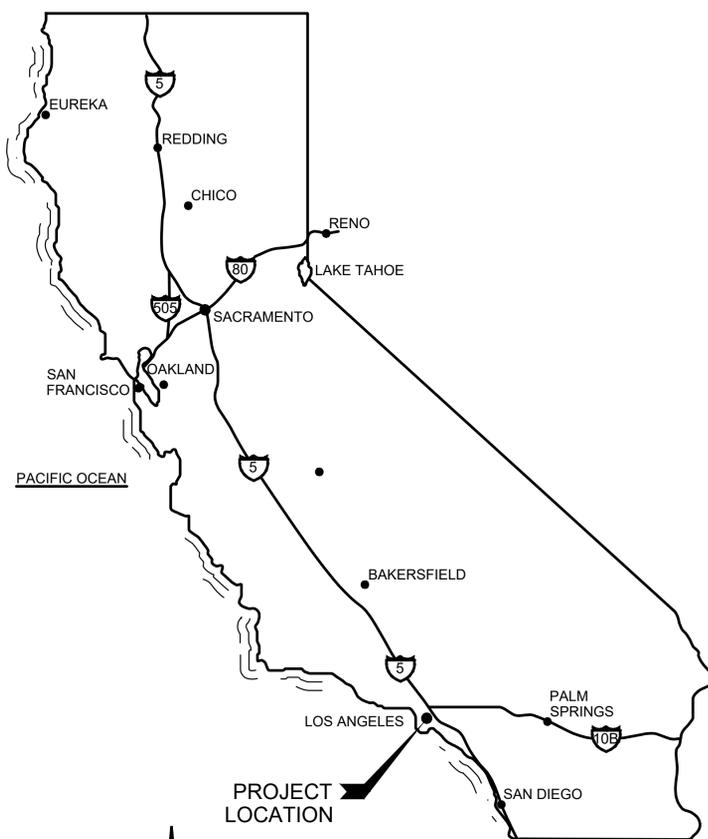
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PMW

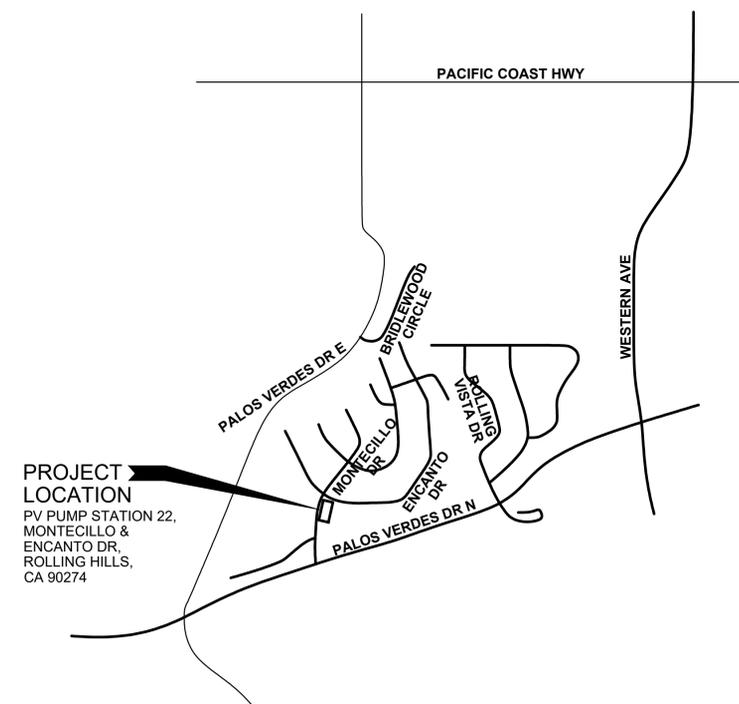
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CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



VICINITY MAP  
NTS



PROJECT LOCATION  
PV PUMP STATION 22,  
MONTECILLO &  
ENCANTO DR,  
ROLLING HILLS,  
CA 90274

TITLE:  
PALOS VERDES 22  
SECURITY WALL PROJECT  
COVER, LOCATION, AND VICINITY MAP

DISTRICT:  
PALOS VERDES

DATE:  
JANUARY 2026  
PROJECT ID:  
124233

DRAWING NO.:  
PV-XXXX-G-001  
SHT 1 OF 12

100% SUBMITTAL



**WATERWORKS ENGINEERS**

DRAWN BY: MDT  
DESIGNED BY: RAM

CHECKED BY: AJB  
APPROVED BY: (SIGNATURE)





ENGINEERING



DEPARTMENT

REVISIONS:


DISTRIBUTION MAP

PLAN SHEET

SYSTEM SCHEMATIC

STATION SCHEMATIC

PLAT SHEET NO.:

SCALE:  
1"=20'

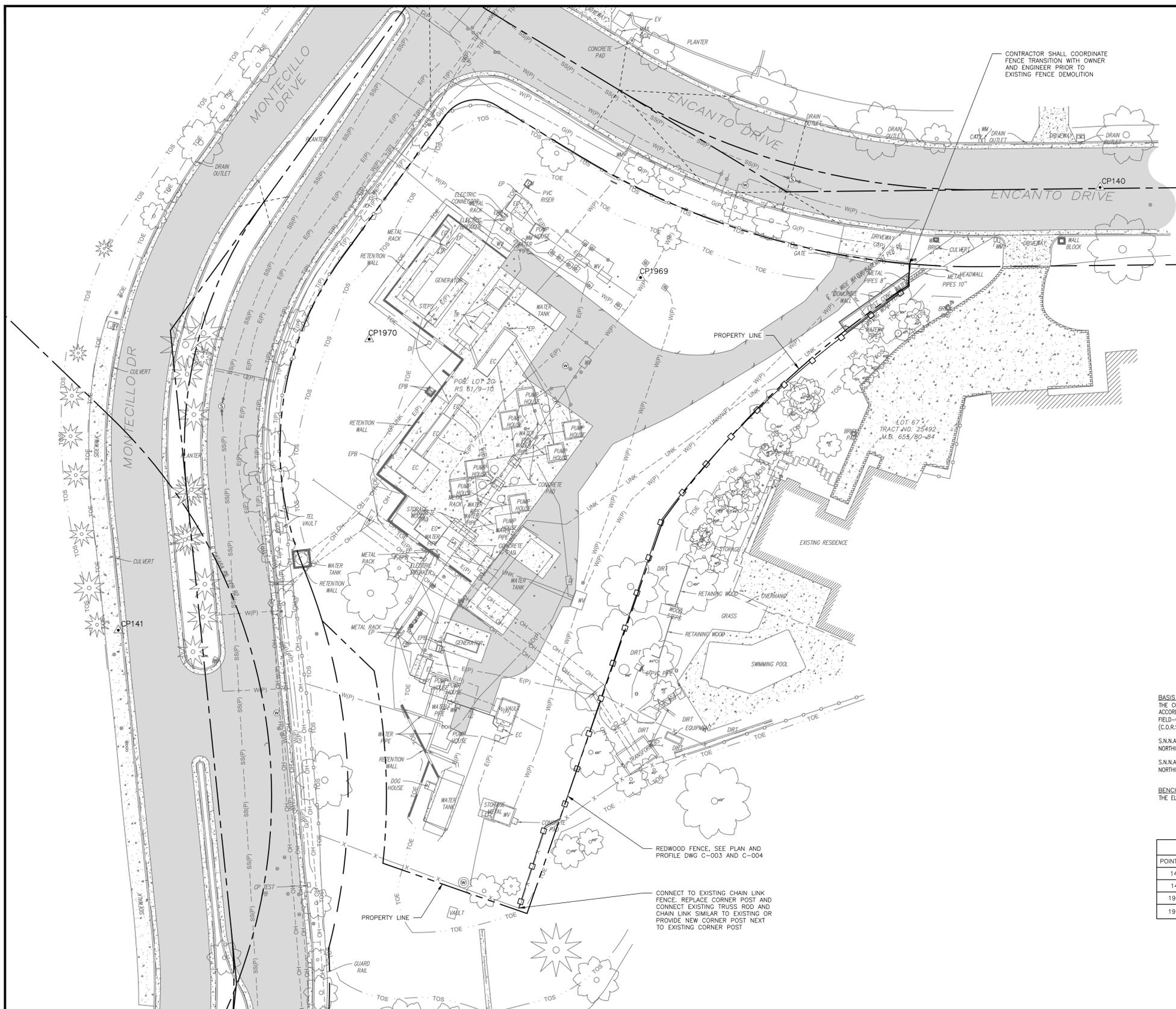
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MDT

DESIGNED BY:  
ALB

TECH REVIEW: DATE:

CHECKED BY: DATE:

APPROVED BY: DATE:

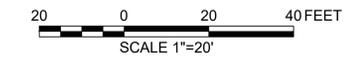


**BASIS OF BEARINGS:**  
THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2022.25) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING LEICA SMARTNET NORTH AMERICA (S.N.A.) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.):

S.N.A. CAPE:	NORTHING = 1730270.48'	EASTING = 6476524.11'
S.N.A. CASM:	NORTHING = 1829162.21'	EASTING = 6418730.93'

**BENCHMARK:**  
THE ELEVATIONS SHOWN HEREON ARE BASED UPON THE SMARTNET NORTH AMERICA C.O.R.S. CAPE, ELEVATION 74.02 FEET (NAVD 88).

POINT NO.	ELEVATION	NORTHING	EASTING	DESCRIPTION
140	283.30	1741196.14	6464257.48	SET MAG
141	307.44	1741023.44	6463872.84	SET SCRBD X
1969	287.65	1741161.02	6464077.42	SET-60D-NAIL
1970	296.78	1741136.96	6463971.14	SET-1X2 HB/T



**WATERWORKS ENGINEERS**

DRAWN BY: MDT  
DESIGNED BY: RAM

CHECKED BY: AJB  
APPROVED BY: (Signature)

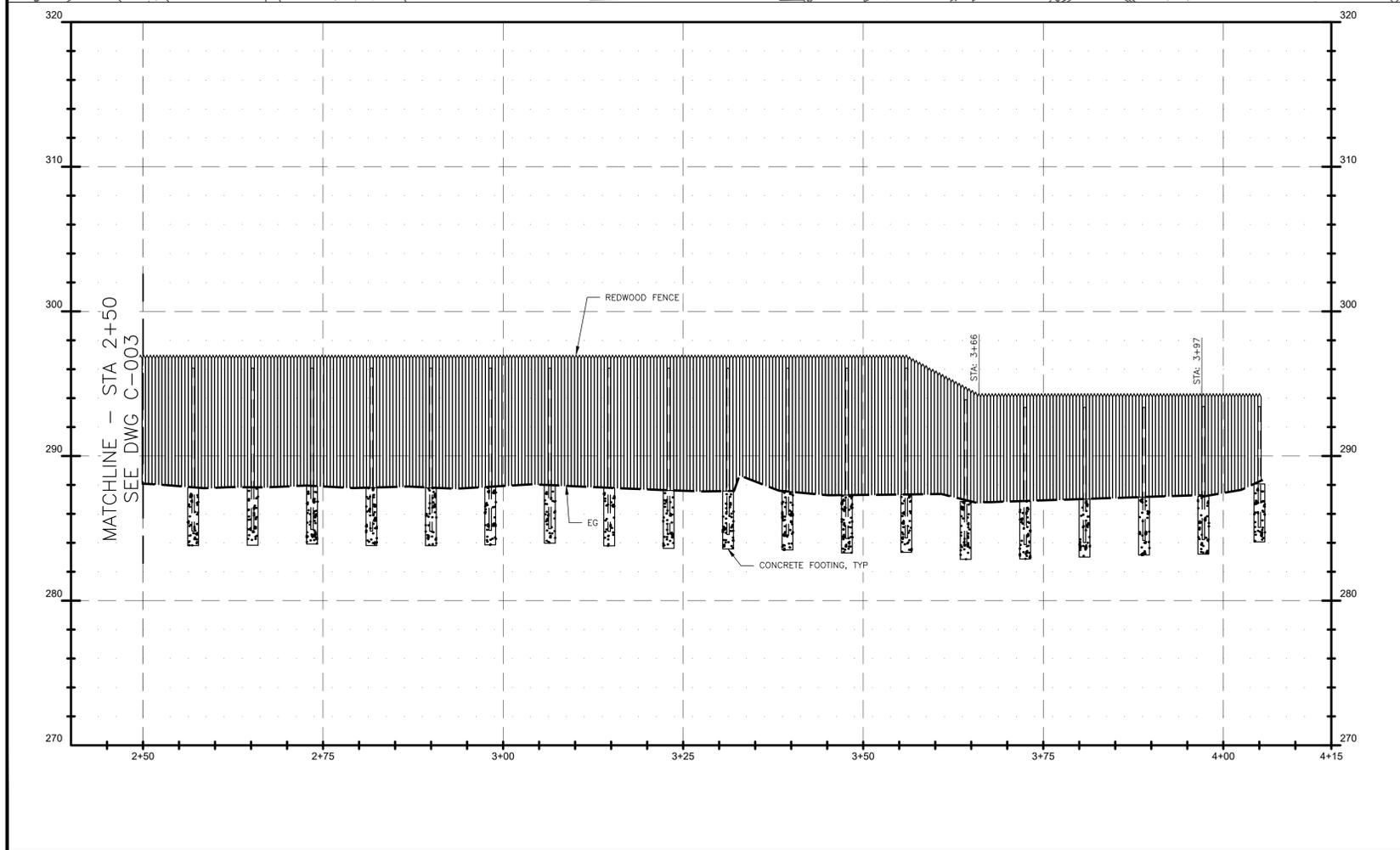
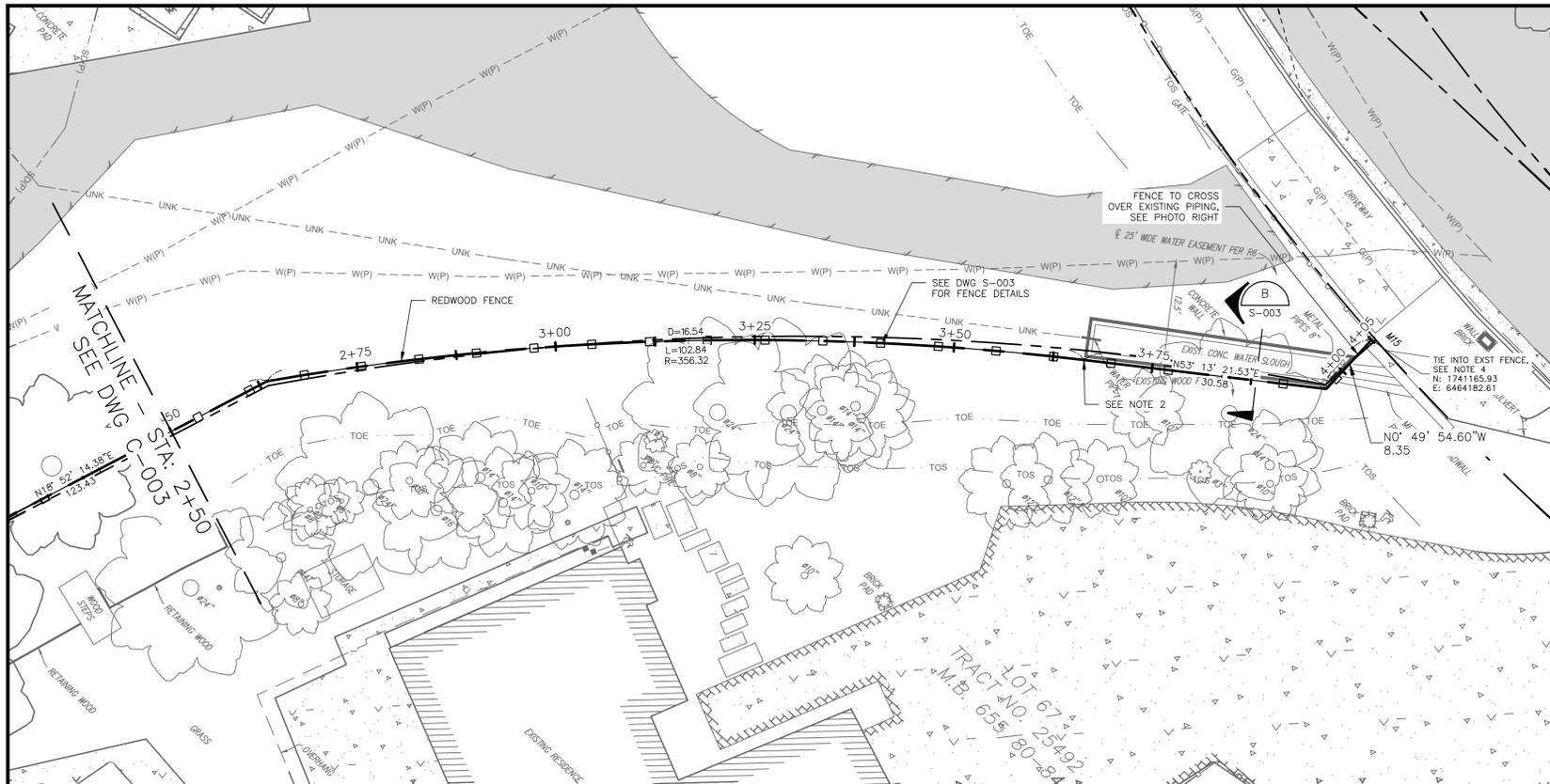


PALOS VERDES 22  
 SECURITY WALL PROJECT  
 SITE PLAN

TITLE:  
DISTRICT:  
PALOS VERDES

DATE:  
JANUARY 2026  
PROJECT ID.:  
124233  
DRAWING NO.:  
PV-XXXX-C-002  
SHT 7 OF 12





- GENERAL NOTES:
1. FENCE DEPICTED IS FOR VISUAL REPRESENTATION. CONTRACTOR TO REFER TO DWG S-003 FOR FENCE CONSTRUCTION DETAILS.
  2. FENCE TO BE CONSTRUCTED PER SECTION B ON SHEET S-003 FROM STA 3+66 TO 3+97.
  3. EXISTING ABOVE GROUND PIPE TO BE DEMOLISHED.
  4. CONTRACTOR SHALL COORDINATE FENCE TRANSITION WITH OWNER AND ENGINEER PRIOR TO EXISTING FENCE DEMOLITION.



DEPARTMENT

REVISIONS:

NO.	DATE	INT.

DISTRIBUTION MAP

PLAT SHEET

SYSTEM SCHEMATIC

STATION SCHEMATIC

PLAT SHEET NO.:

SCALE: 1"=10'

DRAWN BY: MDT

DESIGNED BY: ALB

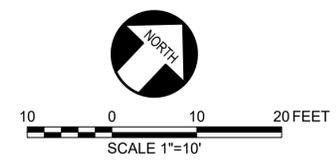
TECH REVIEW: DATE:

CHECKED BY: DATE:

APPROVED BY: DATE:



1 PHOTO  
NTS



**WATERWORKS ENGINEERS**

DRAWN BY: MDT

DESIGNED BY: RAM

CHECKED BY: AIB

APPROVED BY: (Signature)



TITLE: PALOS VERDES 22 SECURITY WALL PROJECT FENCE PLAN AND PROFILE STA 2+50 TO END

DISTRICT: PALOS VERDES

DATE: JANUARY 2026

PROJECT ID: 124233

DRAWING NO.: PV-XXXX-C-004

SHT 9 OF 12

