CALIFORNIA COASTAL COMMISSION

South Coast Area Office 301 East Ocean Blvd., Suite 300 Long Beach, CA 90802 (562) 590-5071



W13a

5-21-0910 (South Coast Water District) December 14, 2022

EXHIBITS:

Exhibit 1 – Vicinity Map

Exhibit 2 – Site Plan with Proposed Access Trail

Exhibit 3 - Project Plans

Exhibit 4 – Laguna Greenbelt Letters

Exhibit 5 - City of Laguna Beach Letter Agreeing to Consolidated CDP

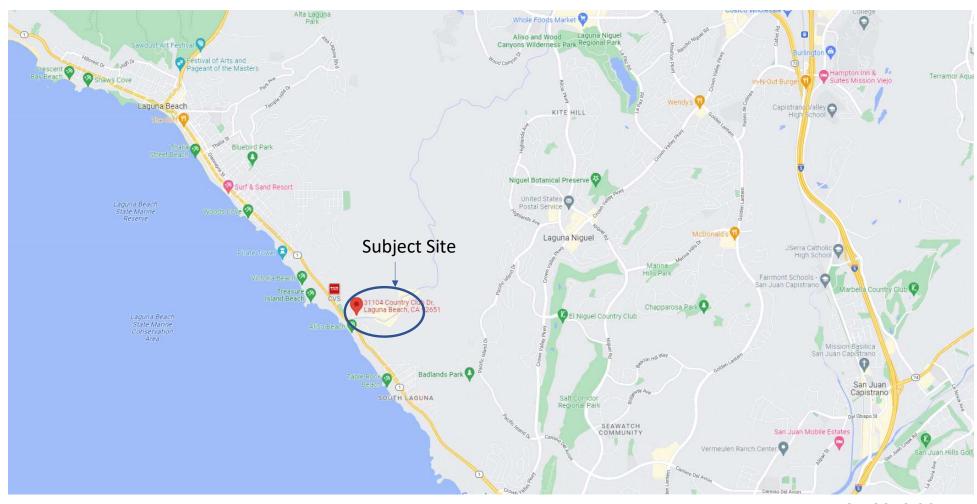
Exhibit 6 – Vegetation Communities & Land Cover Map

Exhibit 7 - Laguna Ocean Foundation Letter

Exhibit 8 – LCP OSC Element Figure 5 South Laguna Trails Map

Exhibit 9 – CoSMoS Map Showing Site with 6' of SLR & 100 Year Storm

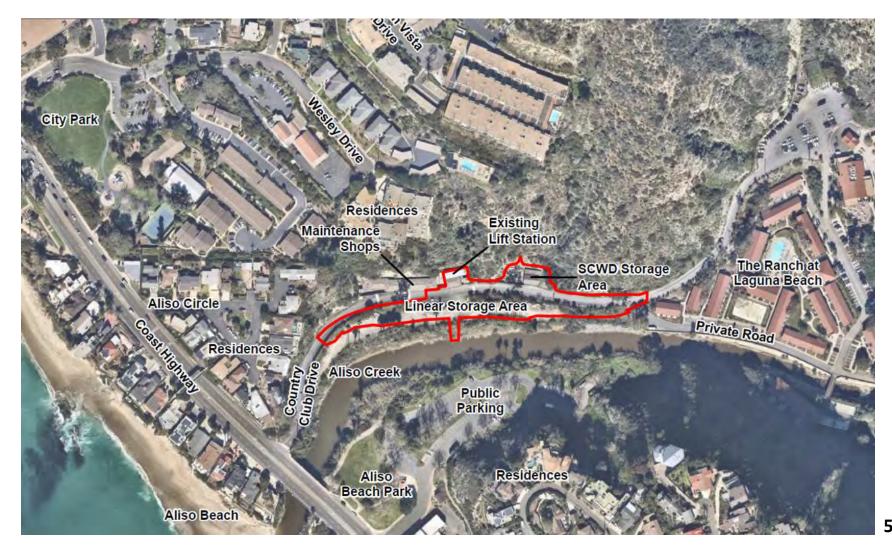
Exhibit 10 – Storm Drain Outlet Structure Plan



5-21-0910 SCWD Vicinity Map Exhibit 1a



5-21-0910 SCWD Vicinity Map Exhibit 1b

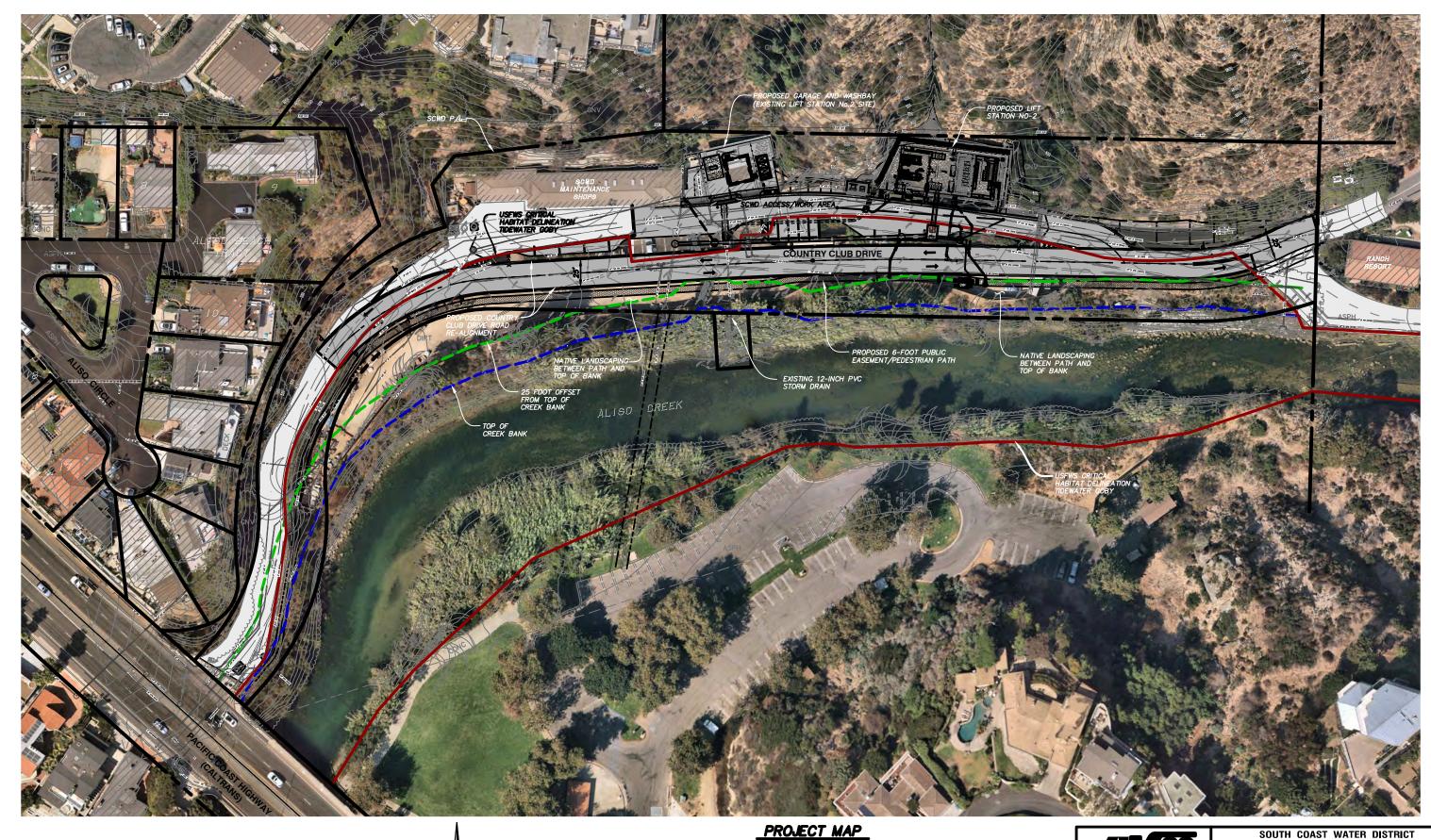


5-21-0910 SCWD Vicinity Map Exhibit 1c

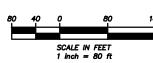
5-21-0910 South Coast Water District (SCWD)

EXHIBIT 2

(2 pages)



ALISO CREEK BEACH



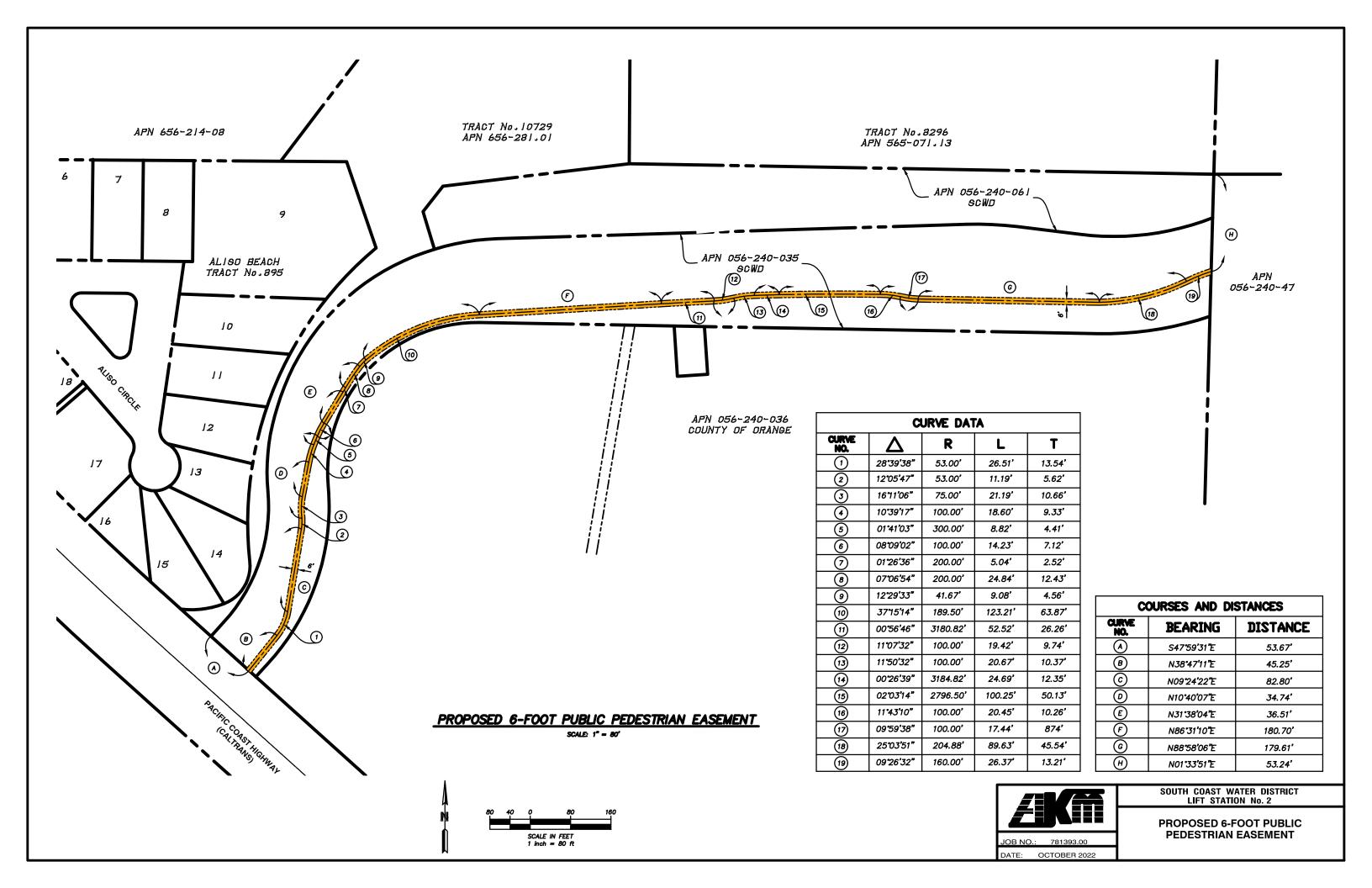
SCALE: 1" = 80'



DATE: OCTOBER 2022

SOUTH COAST WATER DISTRICT LIFT STATION No. 2

PROJECT MAP (PERMANENT ROAD; STORM DRAIN OUTLET STRUCTURE REMOVED)



5-21-0910 South Coast Water District (SCWD)

Project Plans

EXHIBIT 3

(41 pages)

SOUTH COAST WATER DISTRICT

CONSTRUCTION PLANS

FOR

LIFT STATION No.2 REPLACEMENT PROJECT

CONTRACT NO. 22-02-0001 JULY 2021

SOUTH COAST WATER DISTRICT BOARD OF DIRECTORS:

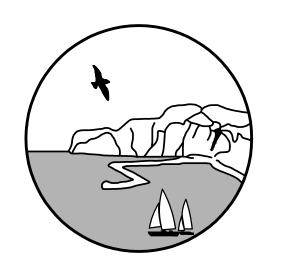
RICK ERKENEFF, PRESIDENT
WILLIAM GREEN, VICE PRESIDENT
DOUGLAS ERDMAN
SCOTT GOLDMAN
WAYNE, RAYFIELD

REVIEWED BY:SOUTH COAST WATER DISTRICT

MARC A. SERNA CHIEF ENGINEER

R.C.E. 54598

DATE





PROJECT ADDRESS: 31104 COAST HIGHWAY C, LAGUNA BEACH, CA. 92651

PROJECT DESCRIPTION:

REPLACEMENT OF AN EXISTING SEWAGE LIFT STATION WITH A NEW FACILITY. THE WORK INCLUDES:

- NEW WET WELL/DRY WELL PUMPING STATION.
- NEW MASONRY BUILDING HOUSING AND EMERGENCY

 DIESEL CENERATOR AND DIESEL BUMB.
- DIESEL GENERATOR AND DIESEL PUMP.
 NEW AIR CONDITIONED MASONRY CONTROL BUILDING.
- CONSTRUCTION OF A REINFORCED CONCRETE PERIMETER
 WALL WITH MOTORIZED DRIVE GATE.
- CONSTRUCTION OF NEW 8", 12", 16", 24" AND 30" GRAVITY SEWER.
- CONCRETE PAVING OF THE NEW LIFT STATION SITE.
- CONSTRUCTION OF NEW CURB AND GUTTER.
- RE—PAVING OF EXISTING COUNTRY CLUB DRIVE.
- CONSTRUCTION OF DRAINAGE IMPROVEMENTS INCLUDING PIPE, CATCH BASINS, AND OUTLET TO ALISO CREEK.

 CONSTRUCTION OF DRAINAGE IMPROVEMENTS INCLUDING
 PIPE CATCH BASINS, AND OUTLET TO ALISO CREEK.

 CONSTRUCTION OF DRAINAGE IMPROVEMENTS INCLUDING
 PIPE CATCH BASINS, AND OUTLET TO ALISO CREEK.

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- NEW SEWAGE GRINDER VAULT.
- EMERGENCY INTERTIE WITH THE CITY OF THE LAGUNA

 BEACH NORTH COAST INTERCEPTOR SEWER
- RE-ALIGNMENT OF COUNTRY CLUB DRIVE.
- CLEARING GRUBBING AND GRADING.
- NEW ELECTRICAL AND COMMUNICATION SYSTEMS.
- INSTRUMENTATION AND CONTROL SYSTEMS FOR PUMP STATION OPERATIONS.
- ELECTRICAL AND COMMUNICATION SERVICES TO NEW LIFT STATION.
- DISTRICT RADIO SCADA SYSTEM INTEGRATION.
- DEMOLITION OF THE EXISTING LIFT STATION.
- CONSTRUCTION OF A NEW GARAGE AND WASHBAY AT THE EXISTING LIFT STATION SITE, INCLUDING REPAVEMENT OF THE SITE.
- LANDSCAPING AND IRRIGATION SYSTEMS.
- WATER SERVICE TO THE NEW LIFT STATION.
- INSTALLATION OF DUCTWORK AND OTHER PROVISIONS FOR A FUTURE ODOR CONTROL SCRUBBER SYSTEM.

SCWD PROPERTY LEGAL DESCRIPTIONS

APN 056-240-35

THAT PORTION OF LOT 1, SECTION6, TOWNSHIP 8 SOUTH, RANGE 8 WEST, SBB AND M, IN THE CITY OF LAGUNA BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT FILED IN THE DISTRICT LAND OFFICE APRIL 12, 1875, BOUNDED AS FOLLOWS:

NORTHWESTERLY AND NORTHERLY BY THE SOUTHEASTERLY AND SOUTHERLY LINES OF THE LAND DESCRIBED IN DEED TO SOUTH LAGUNA SANITARY DISTRICT RECORDED OCTOBER 26, 1960, IN **BOOK 5480. PAGE 312**, OF SAID OFFICIAL RECORDS OF ORANGE COUNTY, CALIFORNIA AND THE SOUTHERLY LINE OF THE LAND CONVEYED IN DEED RECORDED JANUARY 25, 1954 IN **BOOK 2656. PAGE 247**, OF SAID OFFICIAL RECORDS; EASTERLY BY THE EASTERLY LINE OF SAID LOT 1; SOUTHEASTERLY AND SOUTHERLY BY THE NORTHWESTERLY AND NORTHERLY LINES OF THE LAND DESCRIBED IN DEED TO THE COUNTY OF ORANGE RECORDED JUNE 2, 1961, IN **BOOK 5741. PAGE 480**, OF SAID OFFICIAL RECORDS; AND SOUTHWESTERLY BY THE NORTHEASTERLY LINE OF COAST HIGHWAY AS CONVEYED TO THE COUNTY OF ORANGE BY DEED RECORDED IN **BOOK 37 PAGE 72.** OF SAID OFFICIAL RECORDS.

EXCEPT THEREFROM SUCH PORTIONS, IF ANY, WITHIN THE LINES OF TRACT NO. 894, ALISO BEACH, AS SHOWN ON A MAP RECORDED IN <u>BOOK 28. PAGES 15 AND 16</u>, OF MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA.

APN 056-240-61

PARCEL 2, IN THE CITY OF LAGUNA BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS SHOWN ON LOT LINE ADJUSTMENT NO. LL 83-43, RECORDED DECEMBER 20, 1983 AS INSTRUMENT NO. 83-575861, OFFICIAL RECORDS.

PREPARED BY: AKM CONSULTING ENGINEERS



PROJECT MANAGER:

OMER Z. KAYIRAN (EXPIRES: 3/31/23)

R.C.E. 29330

DATE

No. ____50292 _____*

PROJECT ENGINEER:

JOHN A. LOAGUE (EXPIRES: 6/30/23)

R.C.E. 50292 DATE

TOLL FREE

811

TWO WORKING DA
BEFORE YOU DIG

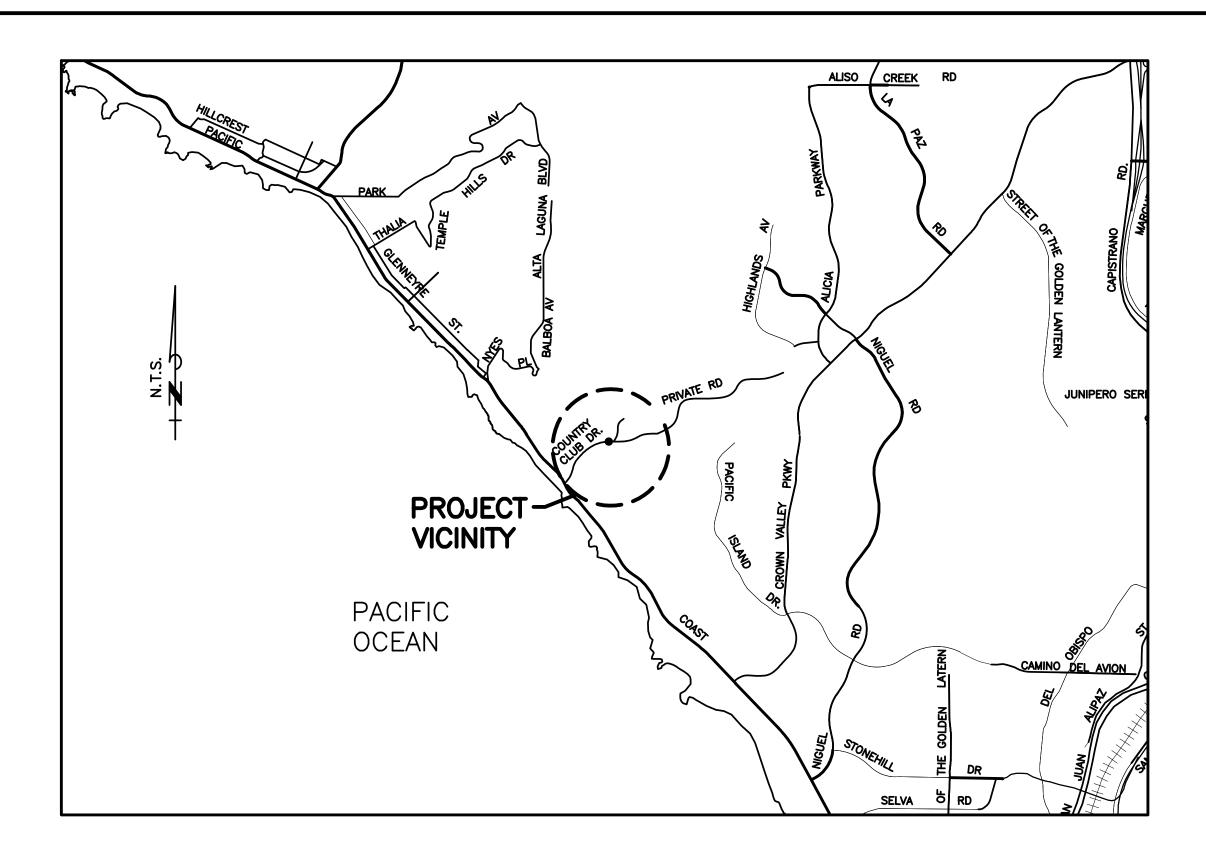
CALL TOLL FREE

811

TWO WORKING DAYS BEFORE YOU DIG FOR FURTHER INFORMATION.

G-1

SHEET 1 OF 172



PROJECT LOCATION WESLEY DE RANCH CLUB DRIVE ALISO CIR. RESORT CREEK **PACIFIC** OCEAN

LOCATION MAP VICINITY MAP

PROJECT CONTACTS

AGENCY	CONTACT PERSON	TELEPHONE NO.
SOUTH COAST WATER DISTRICT 31592 WEST STREET LAGUNA BEACH, CA 92651	TARYN KJOLSING P.E.	(714) 342-115
AKM CONSULTING ENGINEERS 553 WALD IRVINE, CA. 92618	JOHN LOAGUE P.E.	(949) 753–733

UTILITY AGENCY CONTACTS

AGENCY	CONTACT PERSON	TELEPHONE NO.
COX COMMUNICATIONS 29947 AVENIDA DE LAS BANDERAS RANCHO SANTA MARGARITA, CA 92688	MARIANA GALVIN	(619) 266-5605
AT&T 3939 E. CORONADO, 2ND FLOOR ANAHEIM, CA 92807	SUSAN BLACKBURN	(714) 507-3526
SDG&E- ELECTRIC 662 CAMINO DE LOS MARES SAN CLEMENTE, CA 92673	PATTY HOUSER	(949) 369-4725
CITY OF LAGUNA BEACH 505 FOREST AVE. LAGUNA BEACH, CA. 92651	HANNAH JOHNSON	(949) 464-6615
SOUTHERN CALIFORNIA EDISON 1444 E. McFADDEN AVE. SANTA ANA, CA. 92705	KIM GURULE	(714) 796–9932
MCI 18850 ORANGE STREET BLOOMINGTON, CA. 92316	CHUCIL TRIMBLE	(909) 879-2635
SOUTH ORANGE COUNTY WATER AUTHORITY 34156 DEL OBISPO ST. DANA POINT, CA. 92629	RONI YOUNG	(949) 234-5400

HORIZONTAL CONTROL

BENCH MARKS

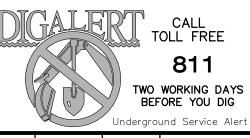
OCS BENCH MARK NO. J-167. DESCRIPTION: FOUND 3.75" OCS ALUMINUM BENCH MARK DISK STAMPED "J-167 1933", SET IN THE NORTHEASTERLY CORNER OF A CONCRETE BRIDGE IN A WINGWALL. MONUMENT IS LOCATED ALONG THE EASTERLY SIDE OF PACIFIC COAST HIGHWAY, 2.15 MILES WESTERLY ALONG PCH FROM THE CENTERLINE OF CROWN VALLEY PARKWAY TO THE BRIDGE OVER ALISO CREEK, 44 FT. EASTERLY OF THE CENTERLINE OF PCH, 78 FT. NORTHEASTERLY OF THE CENTER OF THE BRIDGE AND 24 FT. NORTHERLY OF THE NORTHEASTERLY END OF THE EASTERLY GUARD RAIL ON THE BRIDGE. MONUMENT IS SET 0.3 FT BELOW THE SURFACE OF THE HIGHWAY. ELEVATION = 32.779 (NAVD88 DATUM).

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 6 DATUM, BASED LOCALLY ON A LINE BETWEEN OCS HORIZONTAL CONTROL POINTS 0696R1 AND 7517 BEING NORTH 15°23'29" EAST.

PROJECT ADDRESS:

SOUTH COAST WATER DISTRICT 31104 COAST HIGHWAY C LAGUNA BEACH, CA. 92651

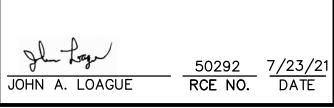


CONTRACTOR SHALL NOTIFY
UNDERGROUND SERVICE ALERT
A MINIMUM OF 48 HOURS PRIOR
TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

<u> </u>						DATE	DESIGN
						JULY 2021	J. LOAGUE
						CONTRACT NO.	DRAWN
						022-02-0001	M. URIBE
							CHECKED
REV.	DATE	BY	DESCRIPTION	APPROVED	DATE		Z. KAYIRAN

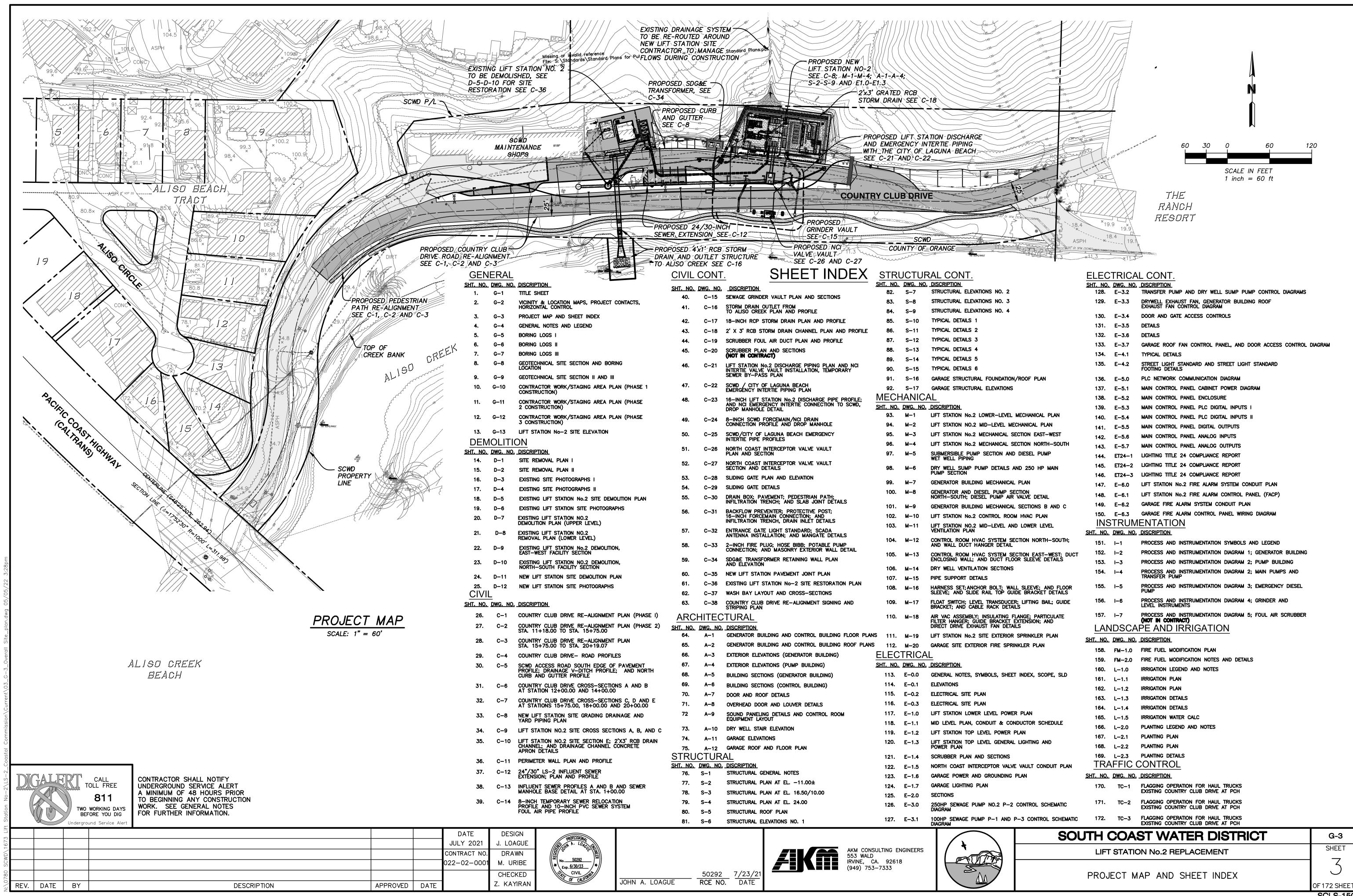




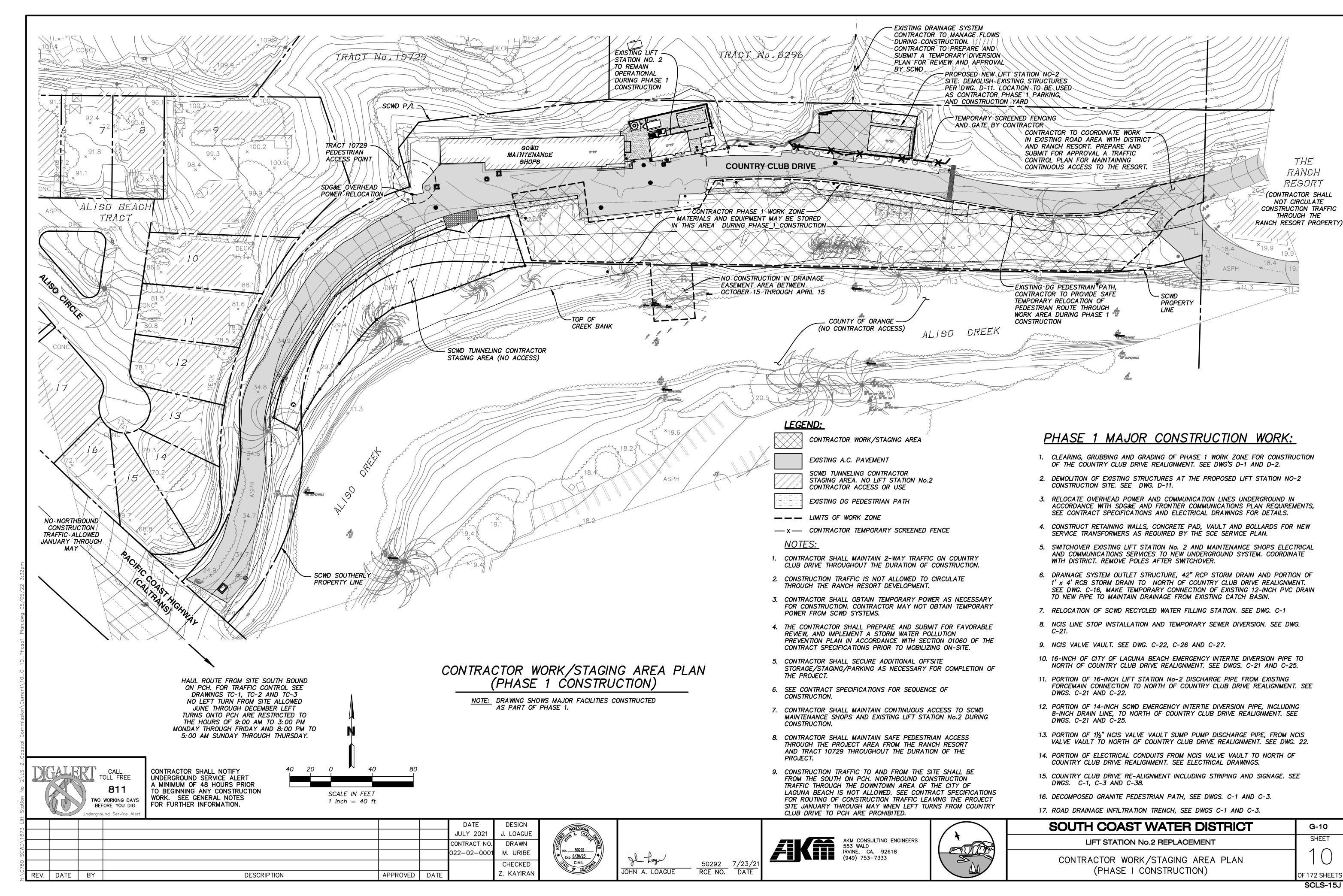


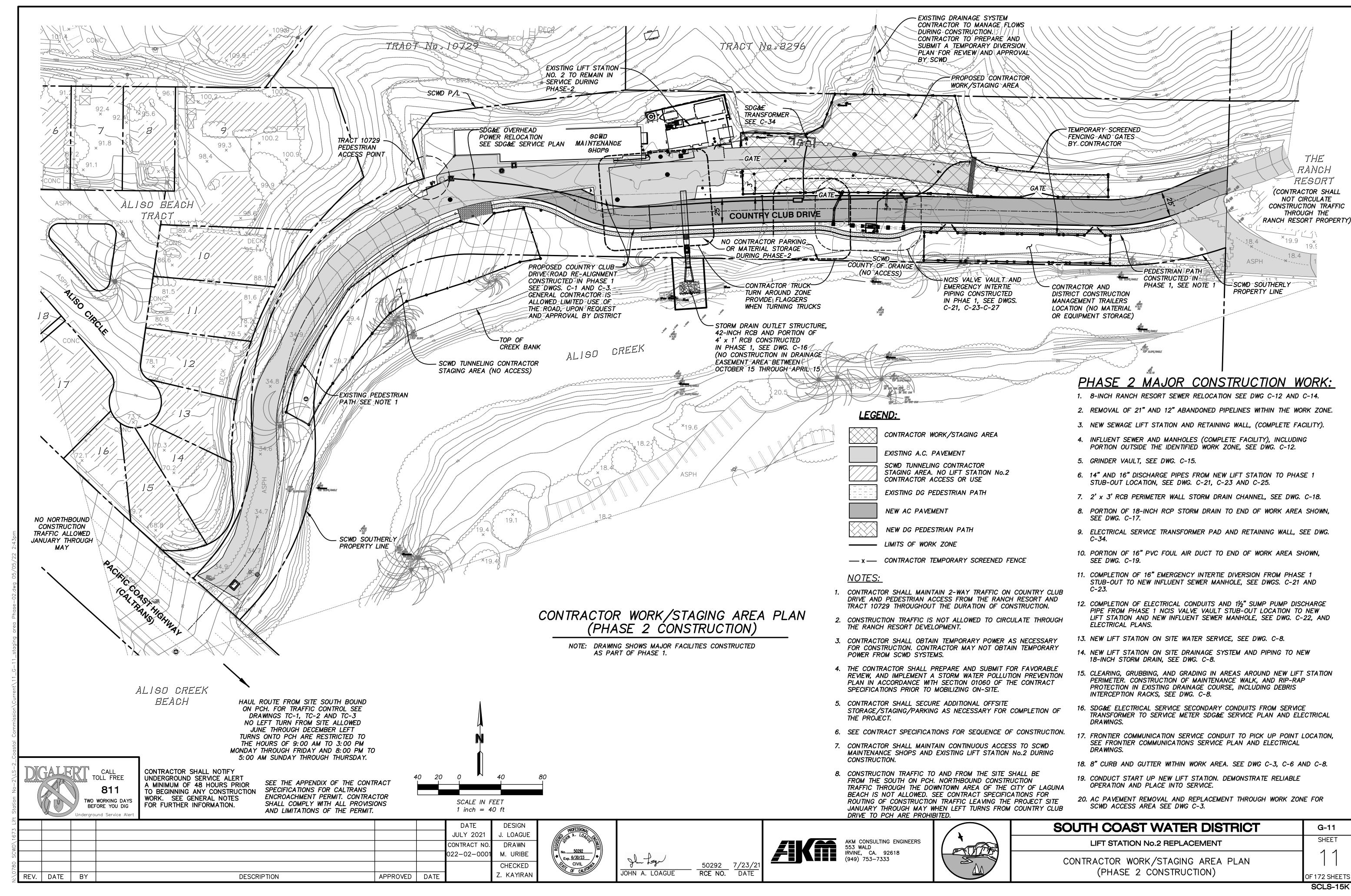


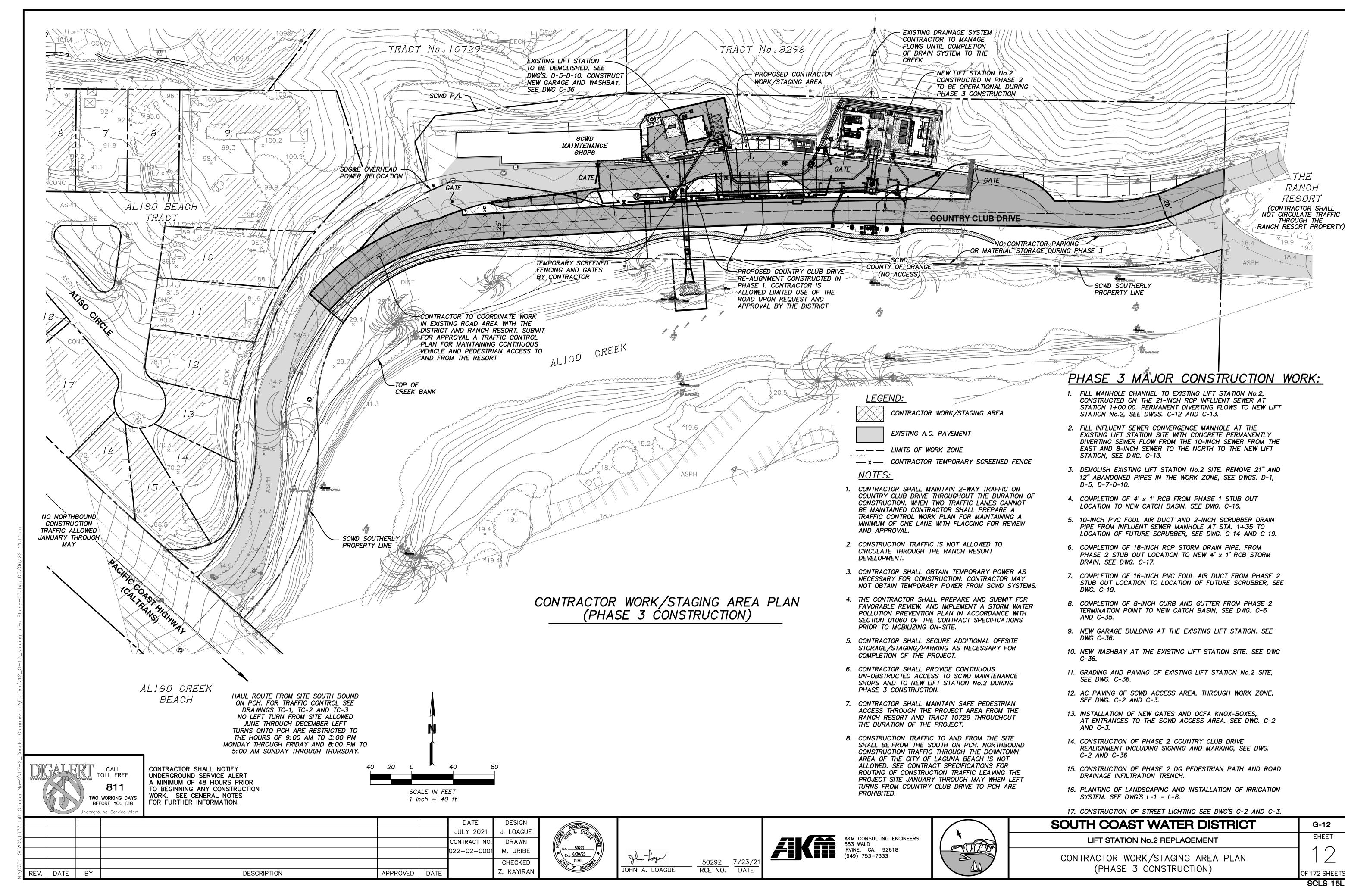
SOUTH COAST WATER DISTRICT	G-2
LIFT STATION No.2 REPLACEMENT	SHEET
VICINITY & LOCATION MAPS, PROJECT CONTACTS, HORIZONTAL CONTROL] 2
FINDUCT CONTACTS, FIGRIZONTAL CONTROL	

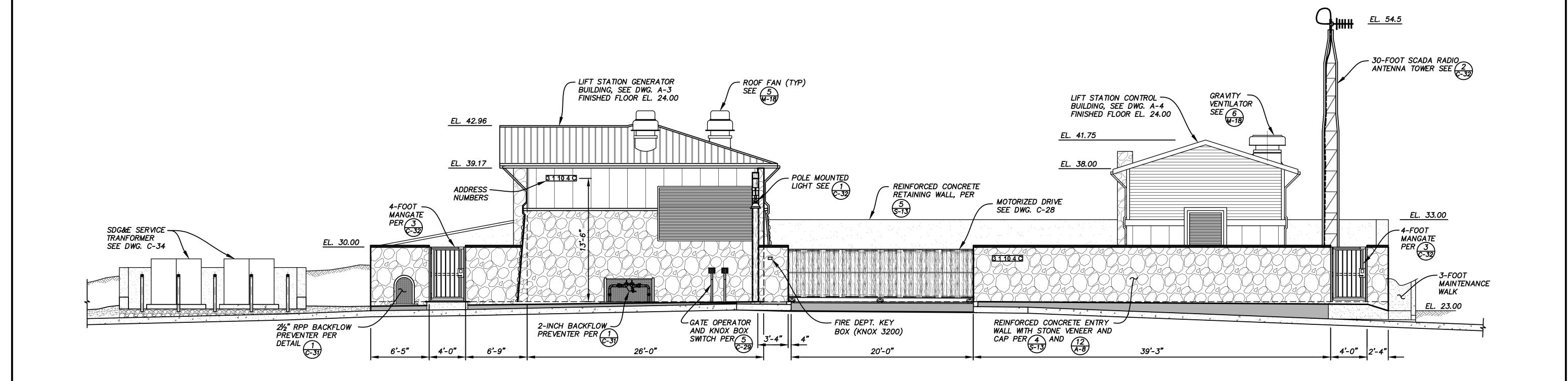


SCLS-15C









LIFT STATION No-2 SITE ELEVATION

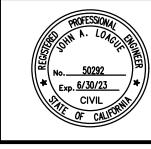
SCALE: $\frac{3}{6}$ " = 1'-0"

NOTE: SEE C-8 FOR SITE PLAN

CALL
TOLL FREE
811
TWO WORKING DAY
BEFORE YOU DIG

CONTRACTOR SHALL NOTIFY
UNDERGROUND SERVICE ALERT
A MINIMUM OF 48 HOURS PRIOR
TO BEGINNING ANY CONSTRUCTION
WORK. SEE GENERAL NOTES
FOR FURTHER INFORMATION.

						DATE	DESIGN
						JULY 2021	J. LOAGUE
						CONTRACT NO.	
						022-02-0001	M. URIBE
							CHECKED
V.	DATE	BY	DESCRIPTION	APPROVED	DATE		Z. KAYIRAN

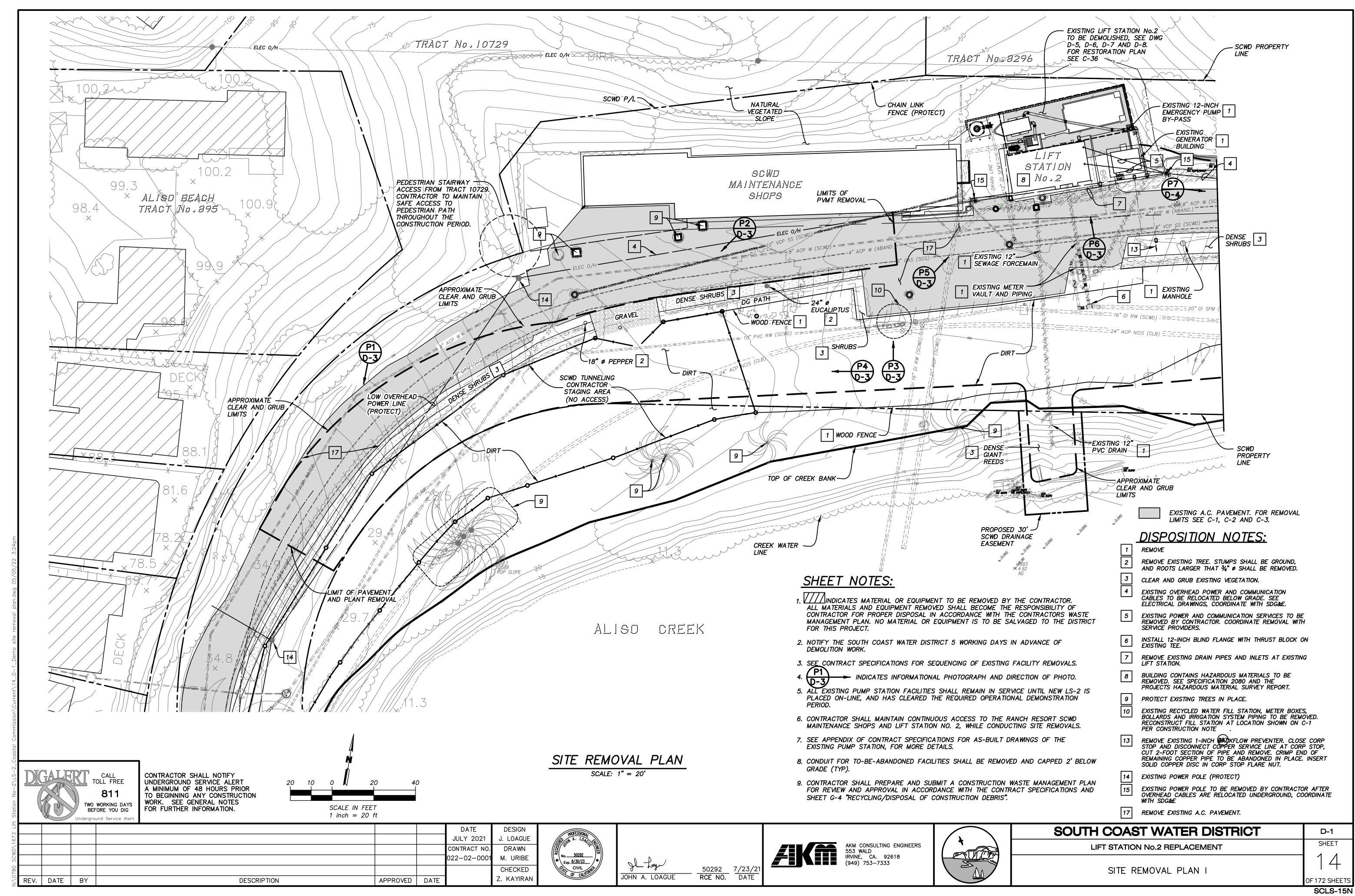


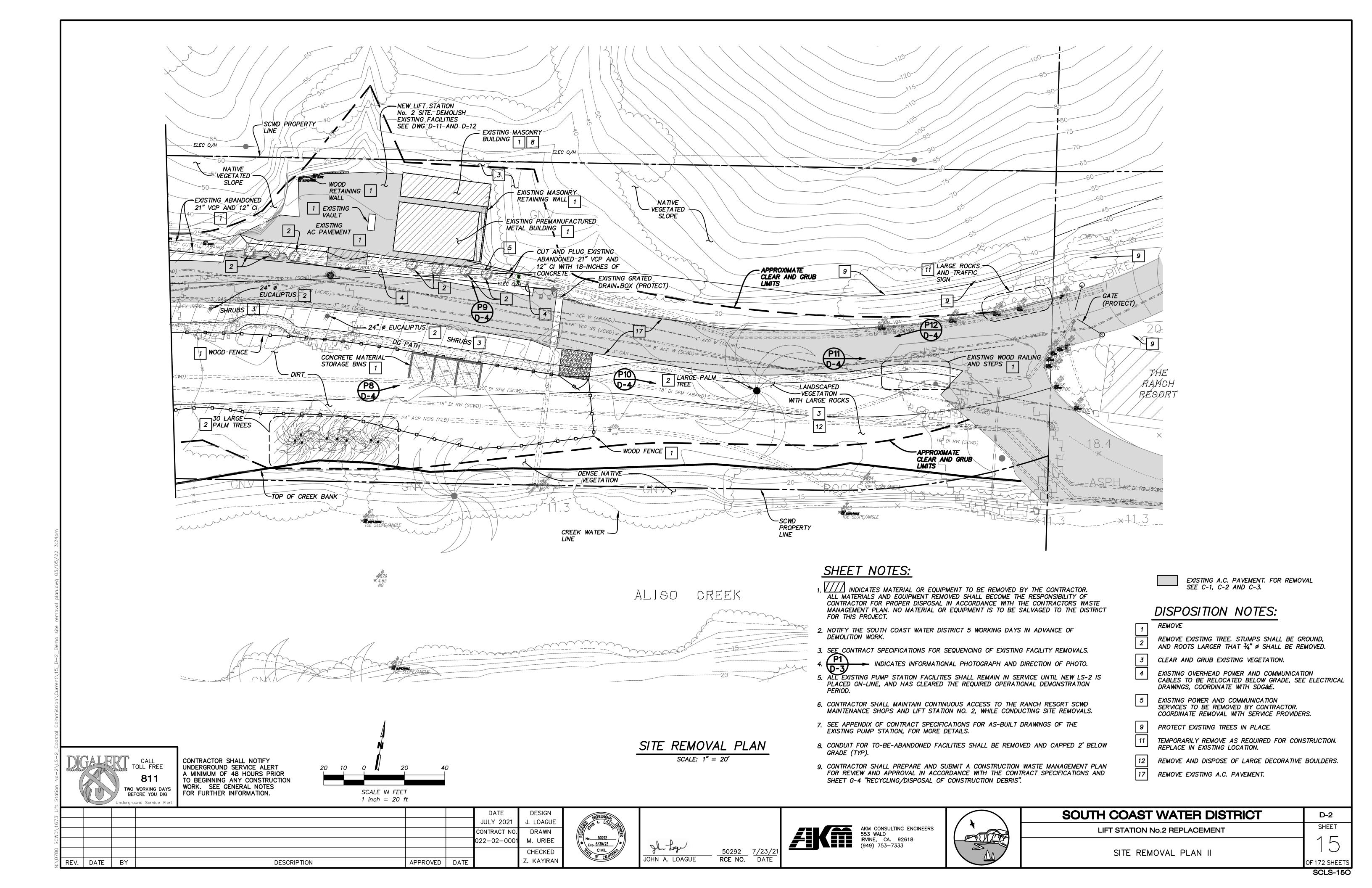
JOHN A. LOAGUE RCE NO.

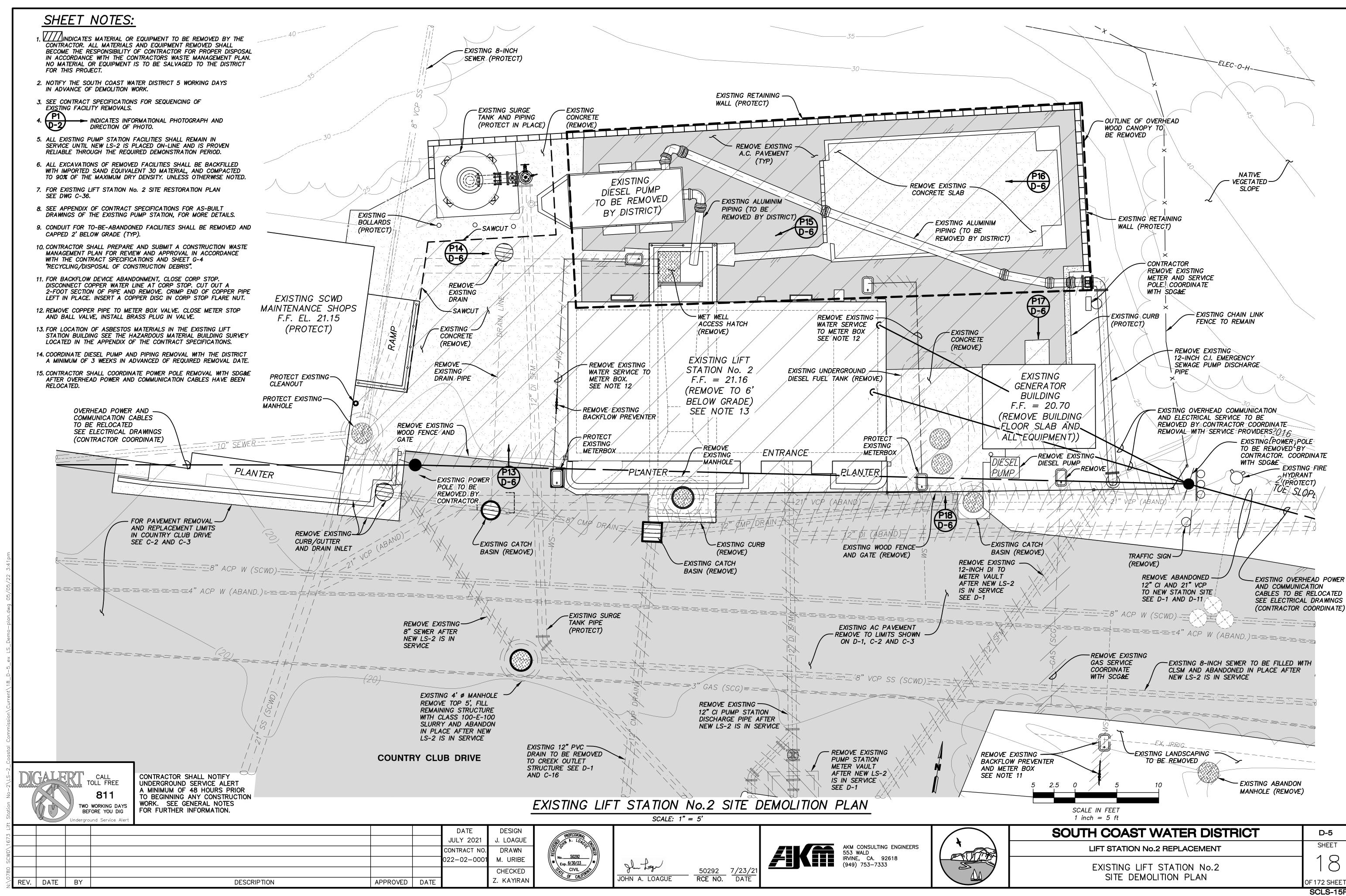


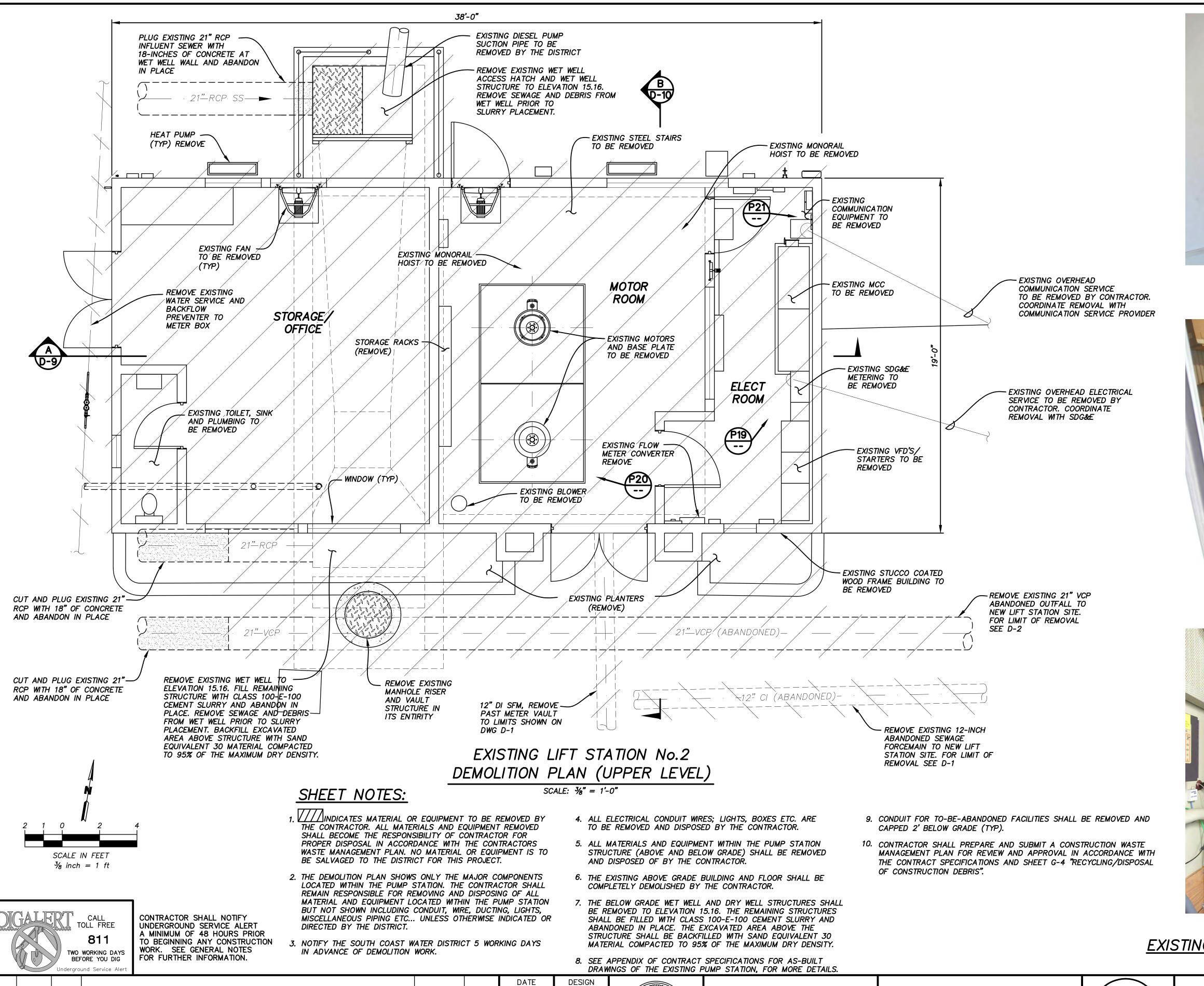
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SOUTH COAST WATER DISTRICT	G-13
LIFT STATION No.2 REPLACEMENT	SHEET
LIFT STATION No-2 SITE ELEVATION	13
LIFT STATION No-2	0F 172 SHE









JULY 2021

CONTRACT NO

022-02-000

APPROVED | DATE

DESCRIPTION

REV. | DATE |

BY

J. LOAGUE

DRAWN M. URIBE

CHECKED

Z. KAYIRAN

Exp. 6/30/23
CIVIL
OF CALIFORN

JOHN A. LOAGUE

2019/08/13

PHOTOGRAPH P-19 EXISTING ELECTRICAL CABINETS (P19)



PHOTOGRAPH P-20 EXISTING MOTOR ROOM P20



PHOTOGRAPH P-21
EXISTING COMMUNICATION EQUIPMENT (P21)

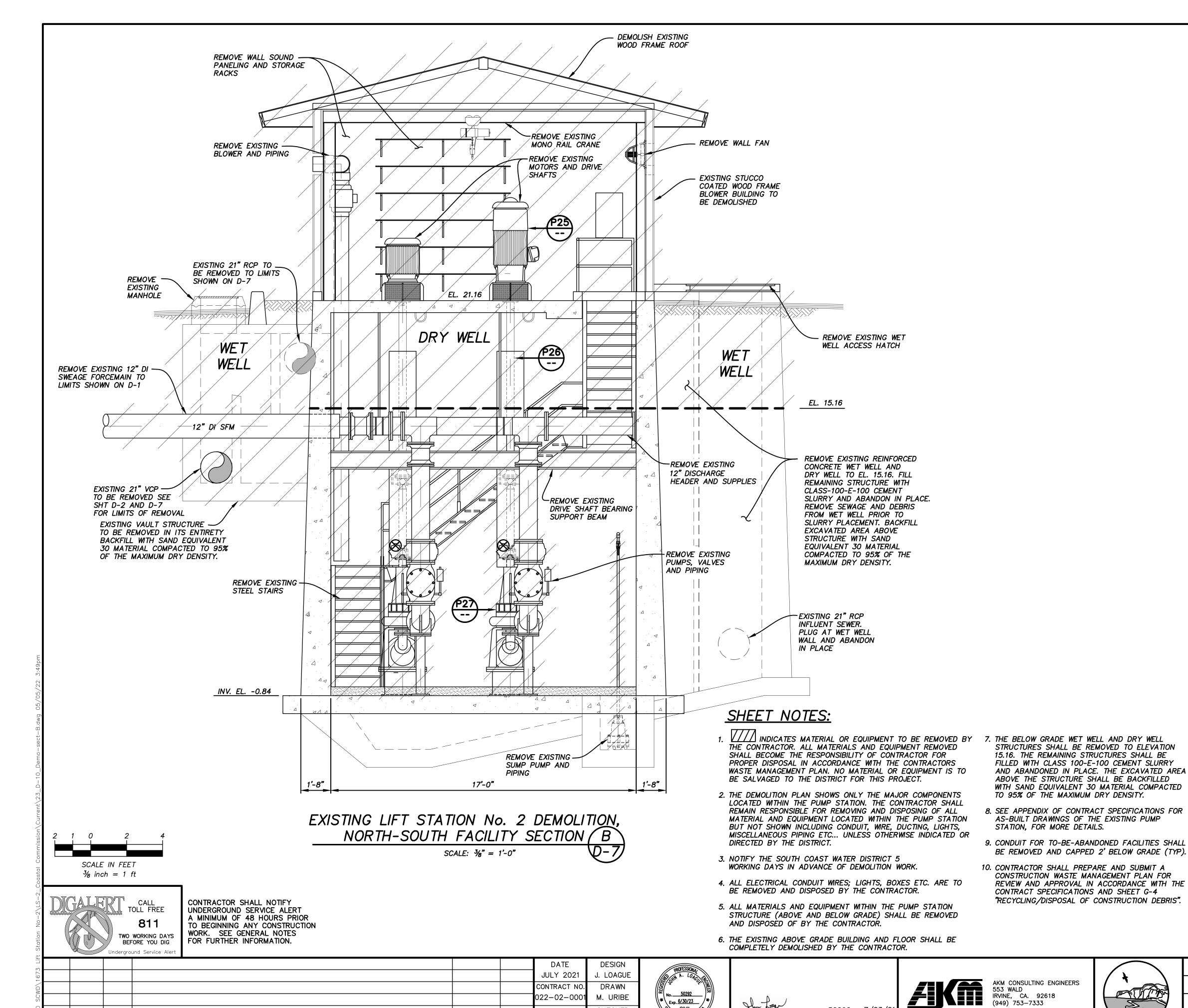
AKM CONSULTING ENGINEERS
553 WALD
IRVINE, CA. 92618
(949) 753-7333

50292 7/23/2

RCE NO. DATE

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SOUTH COAST WATER DISTRICT	D-7
LIFT STATION No.2 REPLACEMENT	SHEE.
EXISTING LIFT STATION No.2 DEMOLITION PLAN (UPPER LEVEL)	2(
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RCE NO. DATE

JOHN A. LOAGUE

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APPROVED DATE

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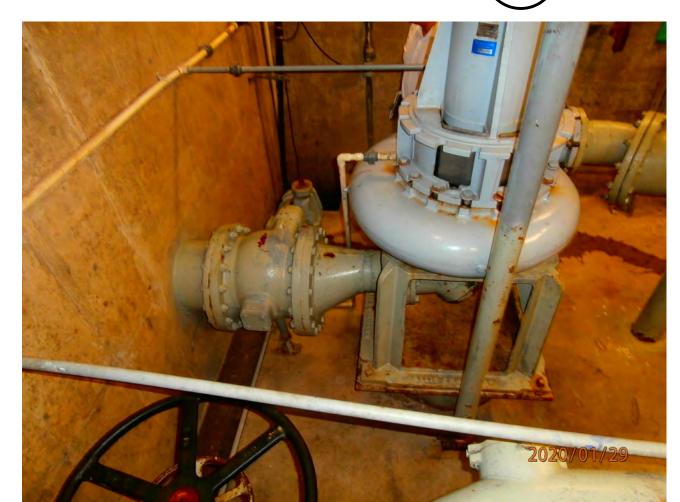
Z. KAYIRAN

PHOTOGRAPH P-25

EXISTING LIFT STATION DRY WELL (P25)



PHOTOGRAPH P-26 EXISTING LIFT STATION DRY WELL P26



PHOTOGRAPH P-27 EXISTING LIFT STATION DRY WELL (P27

LIFT STATION No.2 REPLACEMENT

EXISTING LIFT STATION No.2 DEMOLITION,

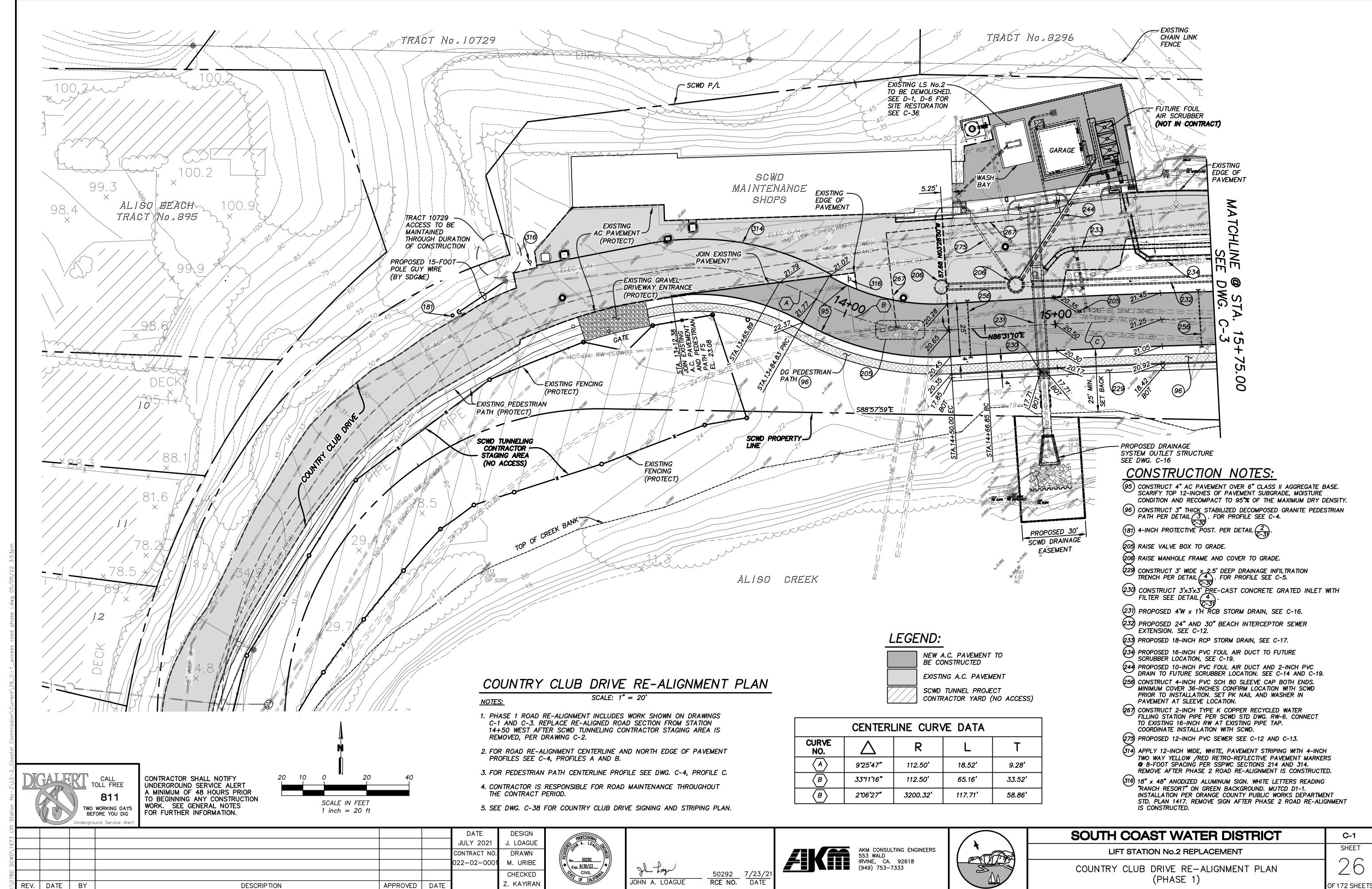
SOUTH COAST WATER DISTRICT

NORTH-SOUTH FACILITY SECTION

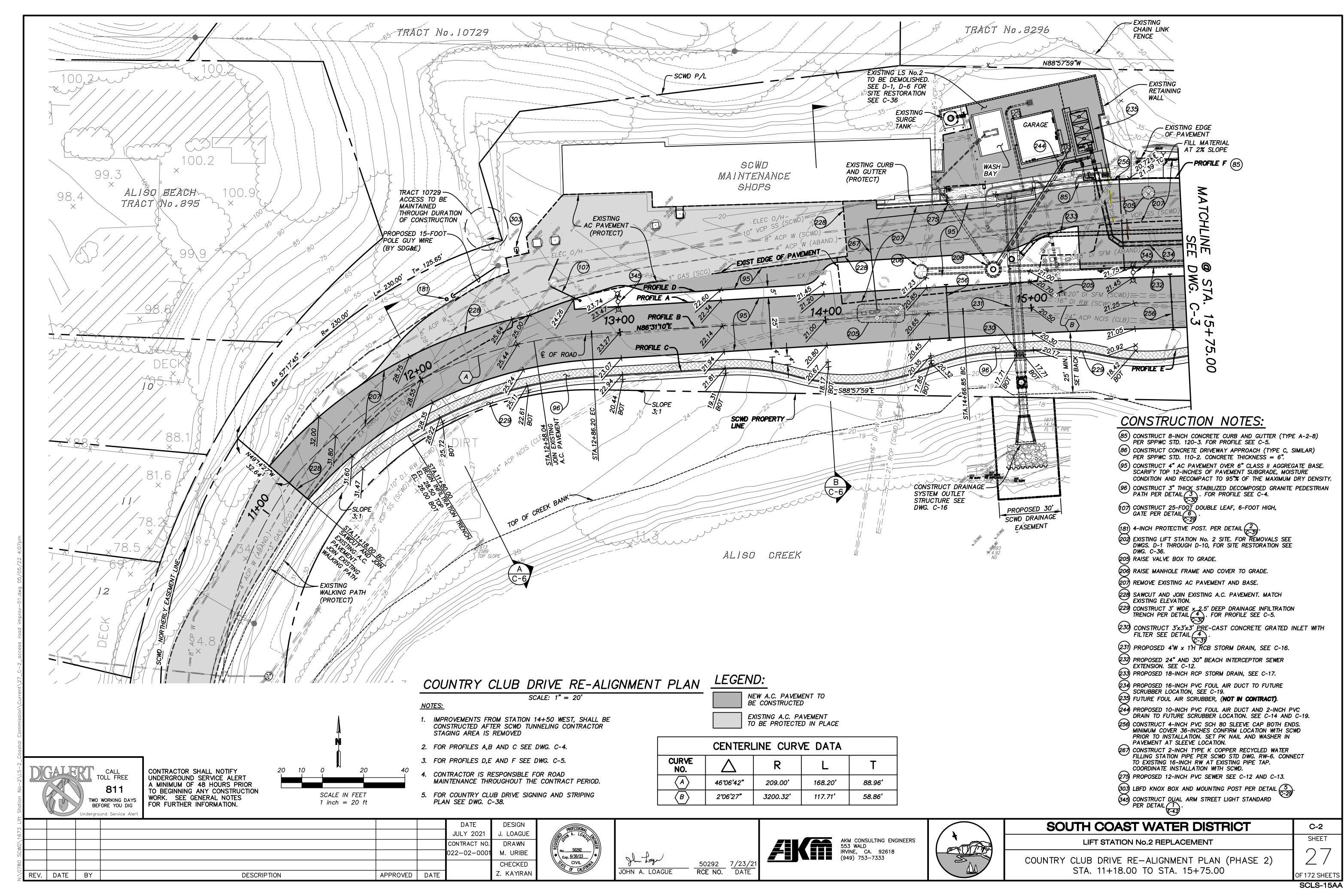
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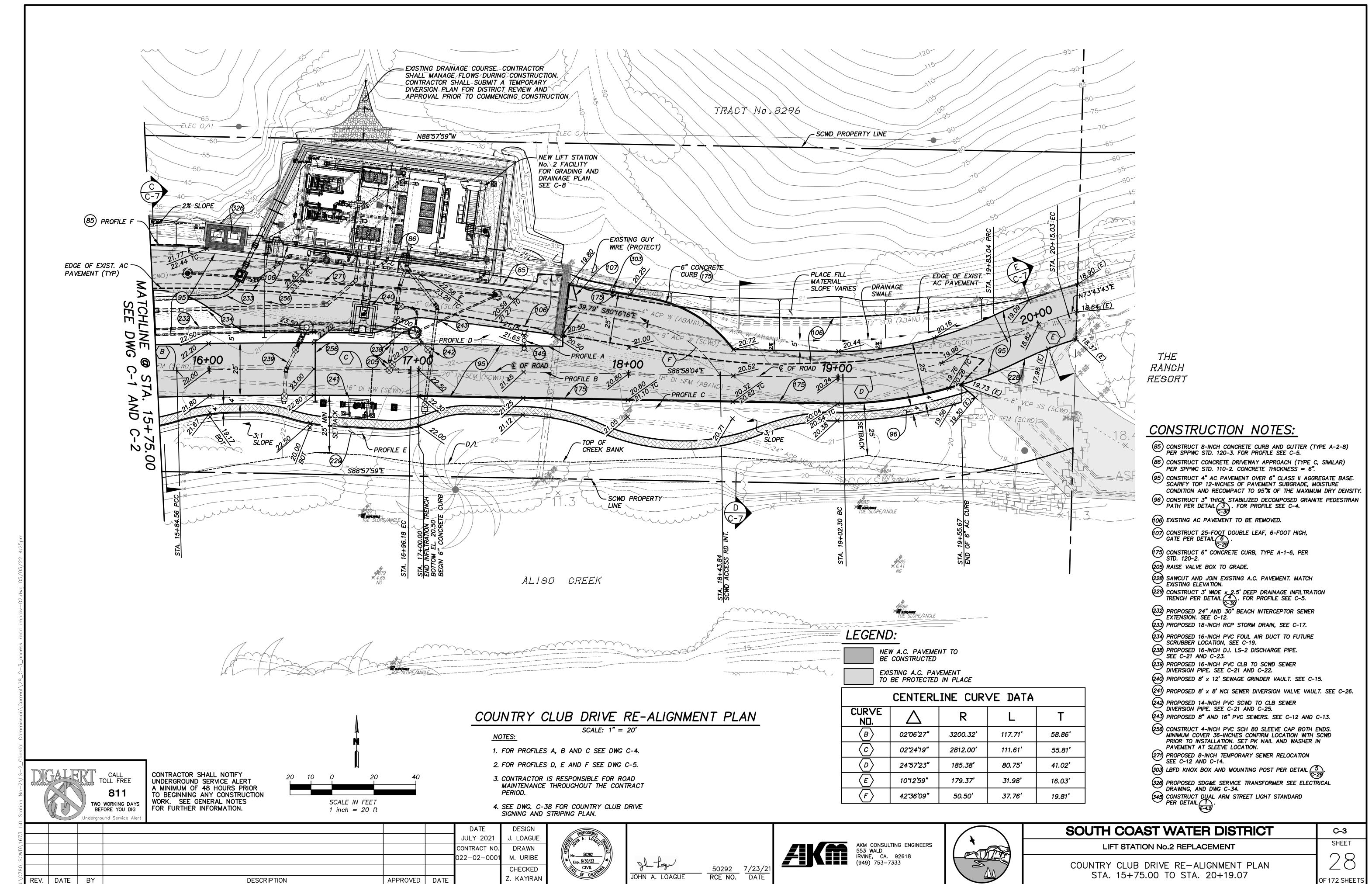
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OF 172 SHEETS SCLS-15W

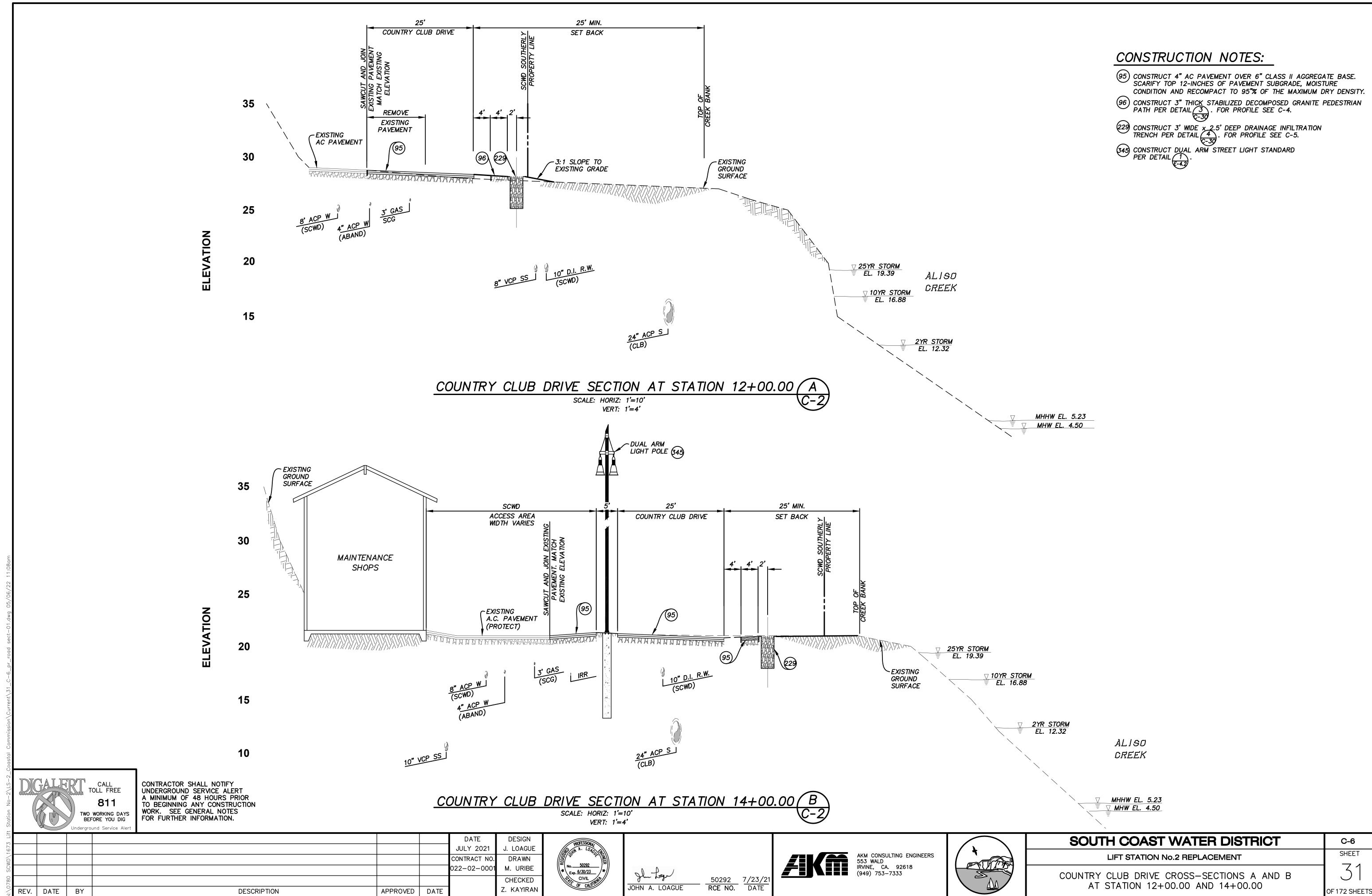


OF 172 SHEETS **SCLS-15Z**

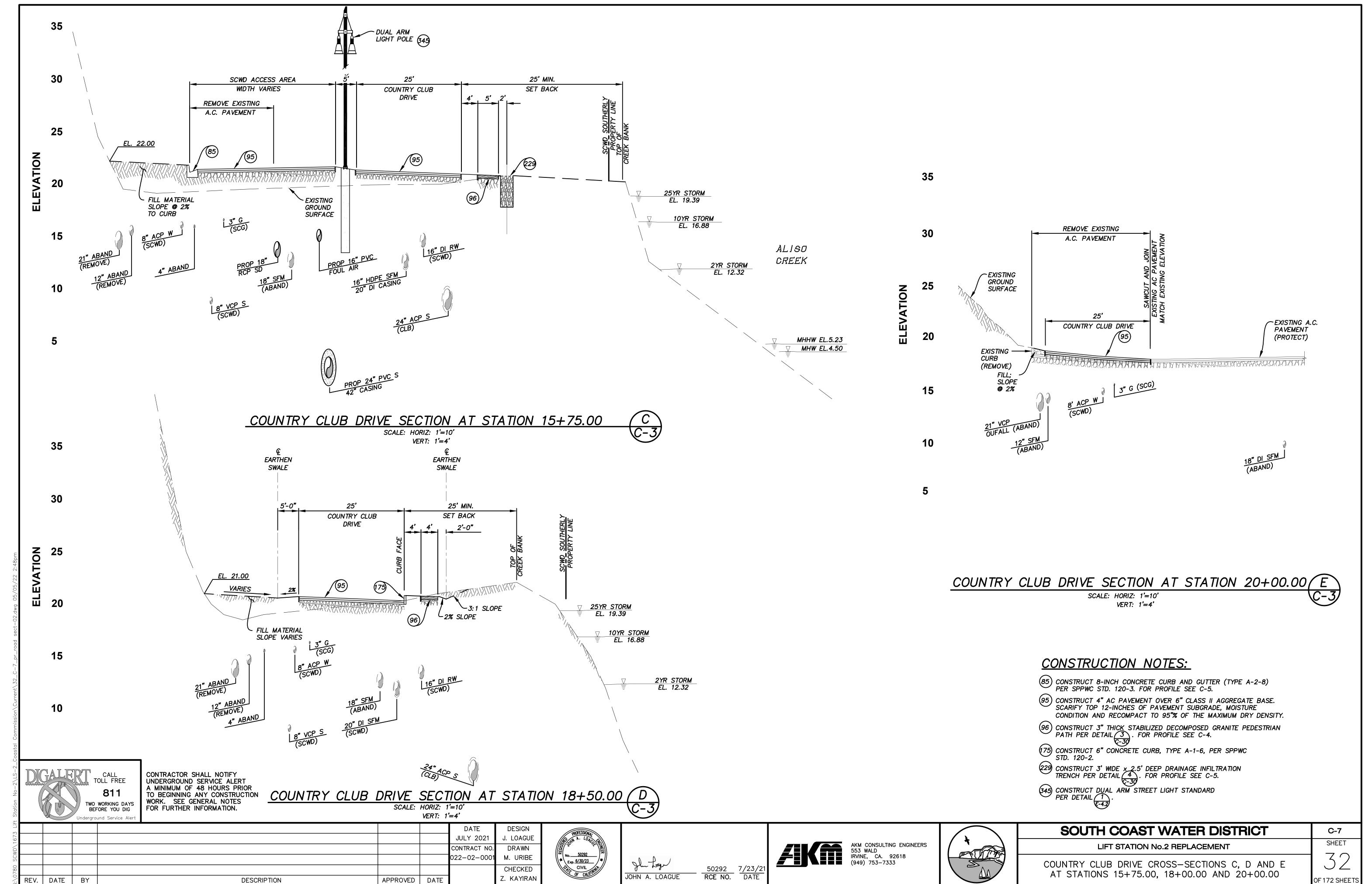


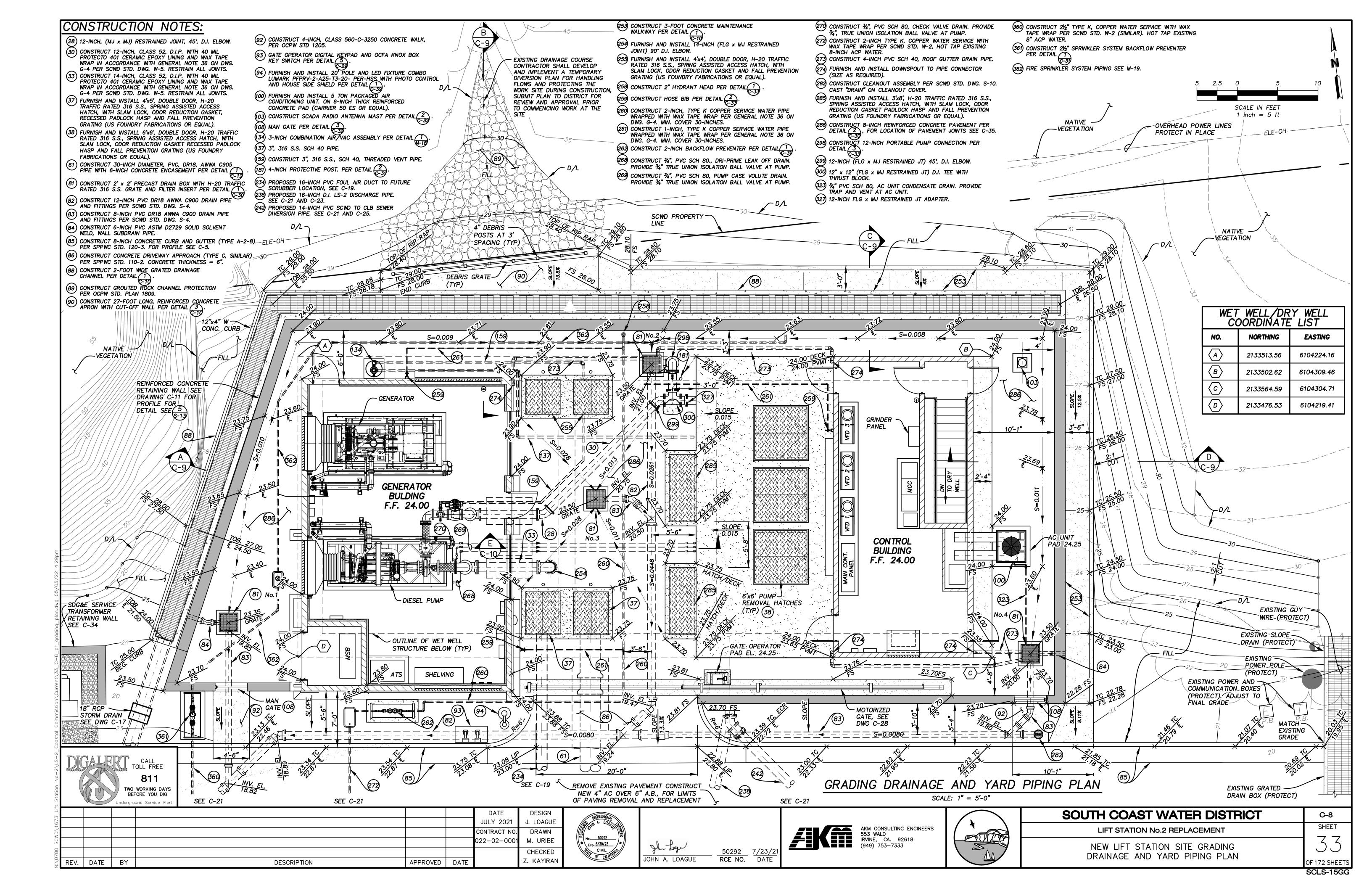


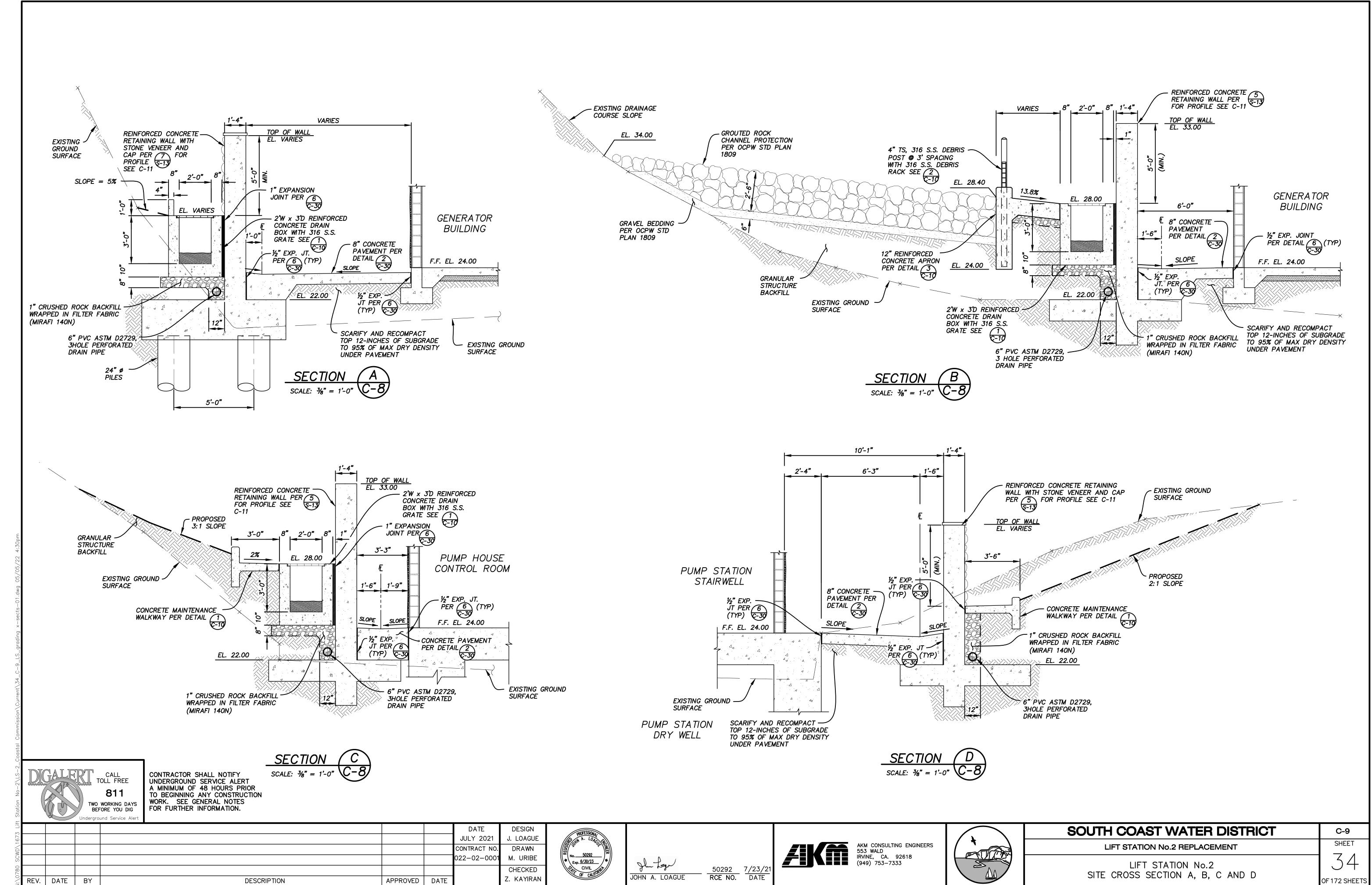
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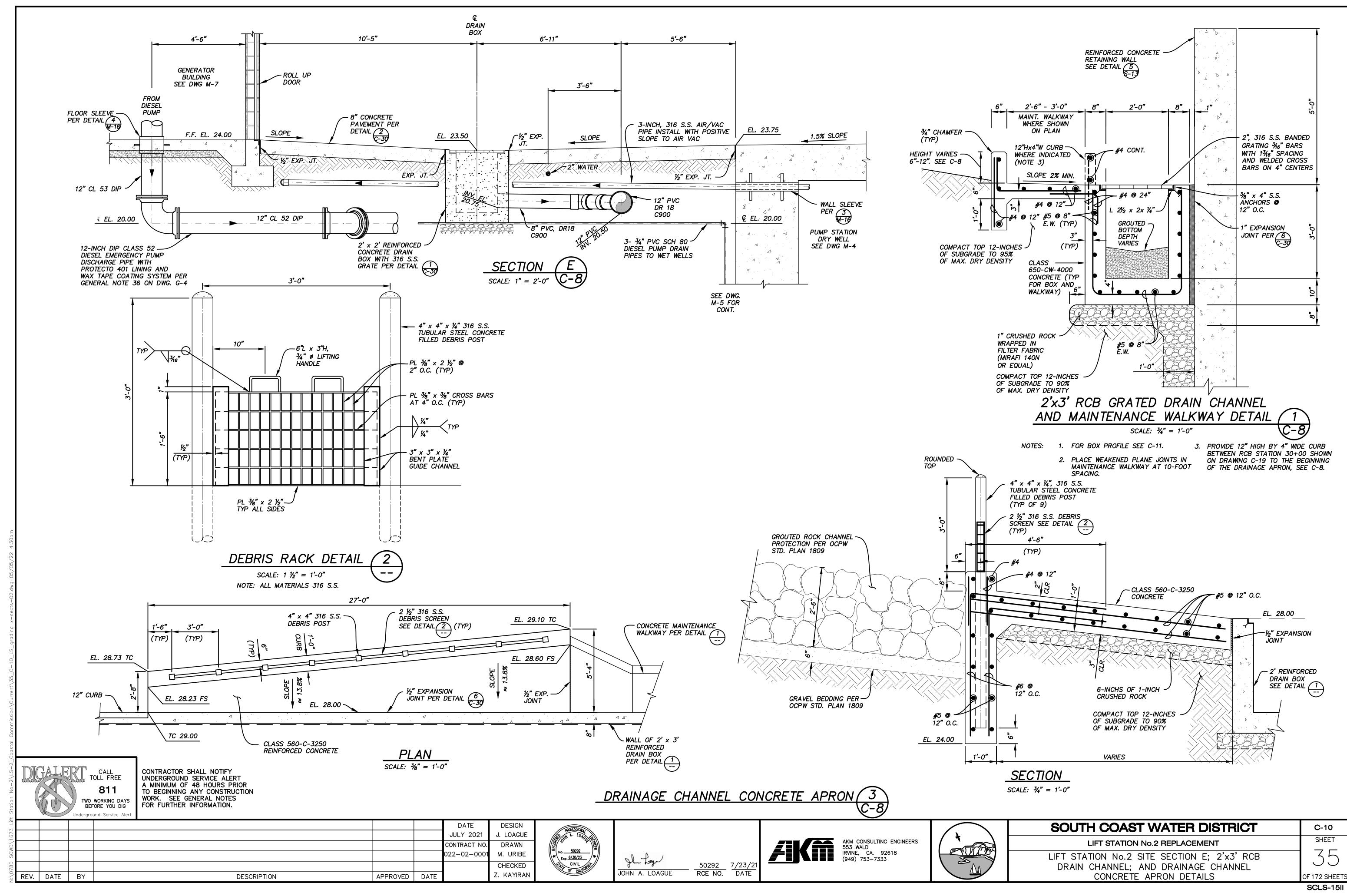
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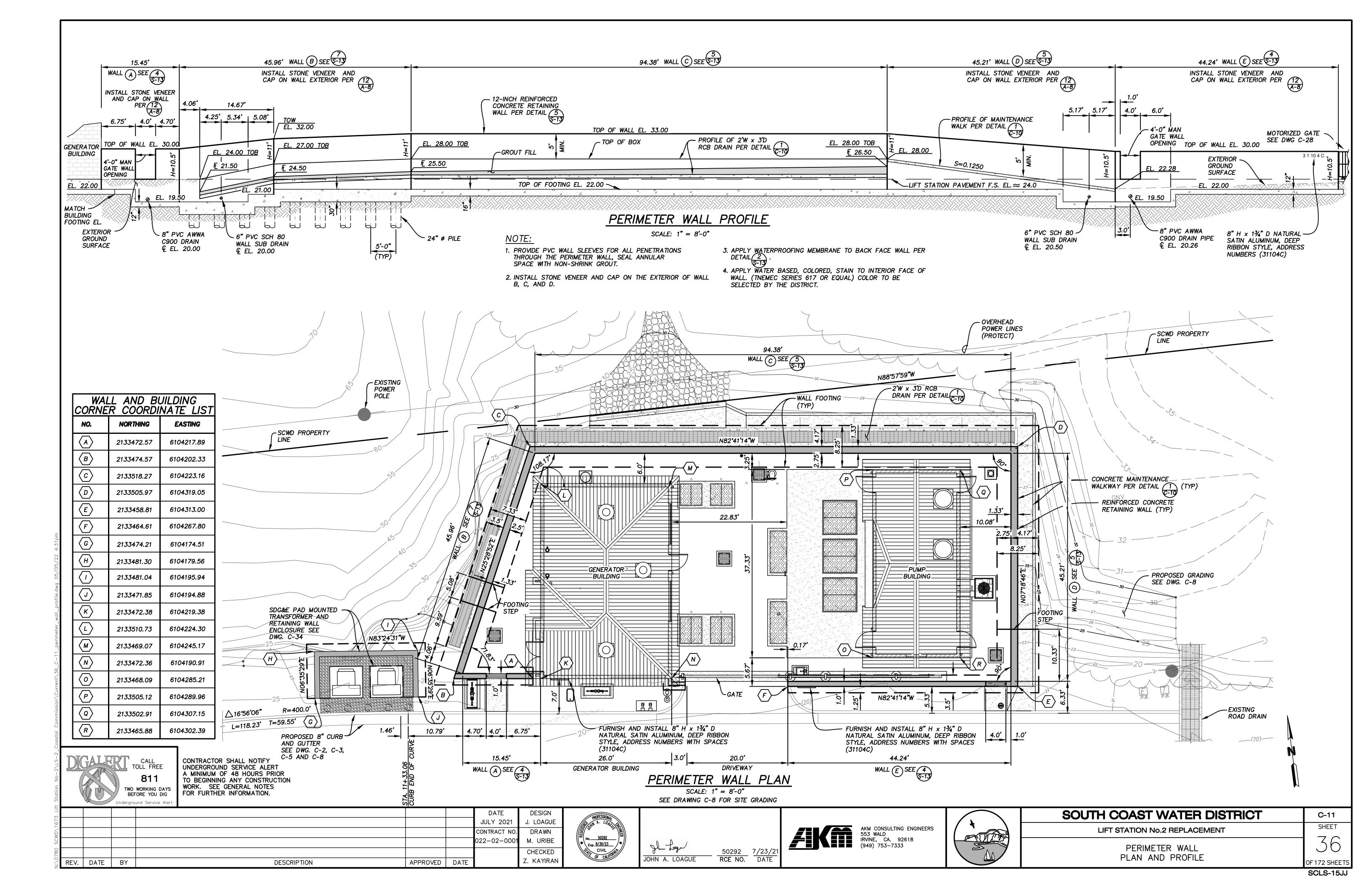


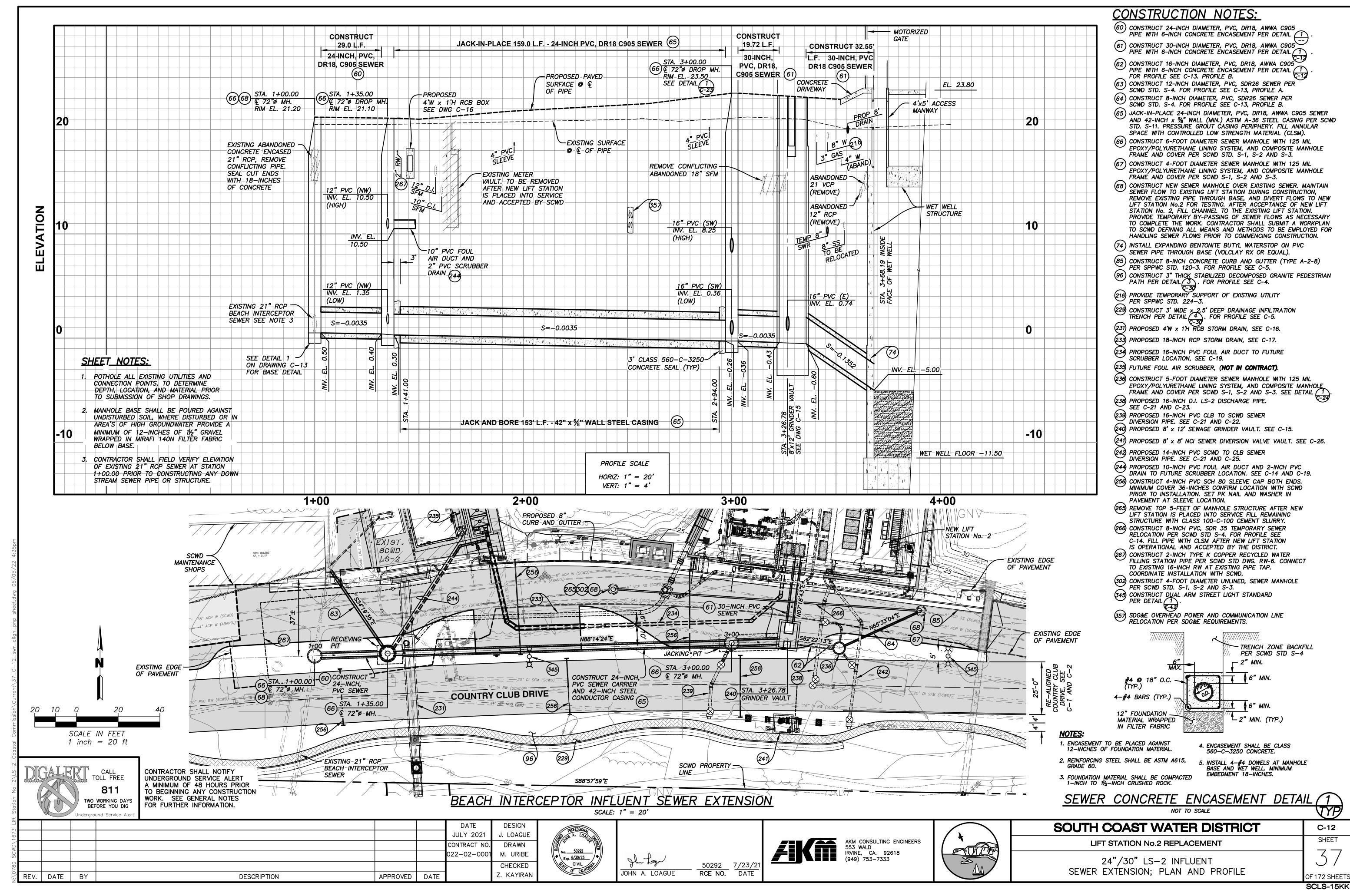


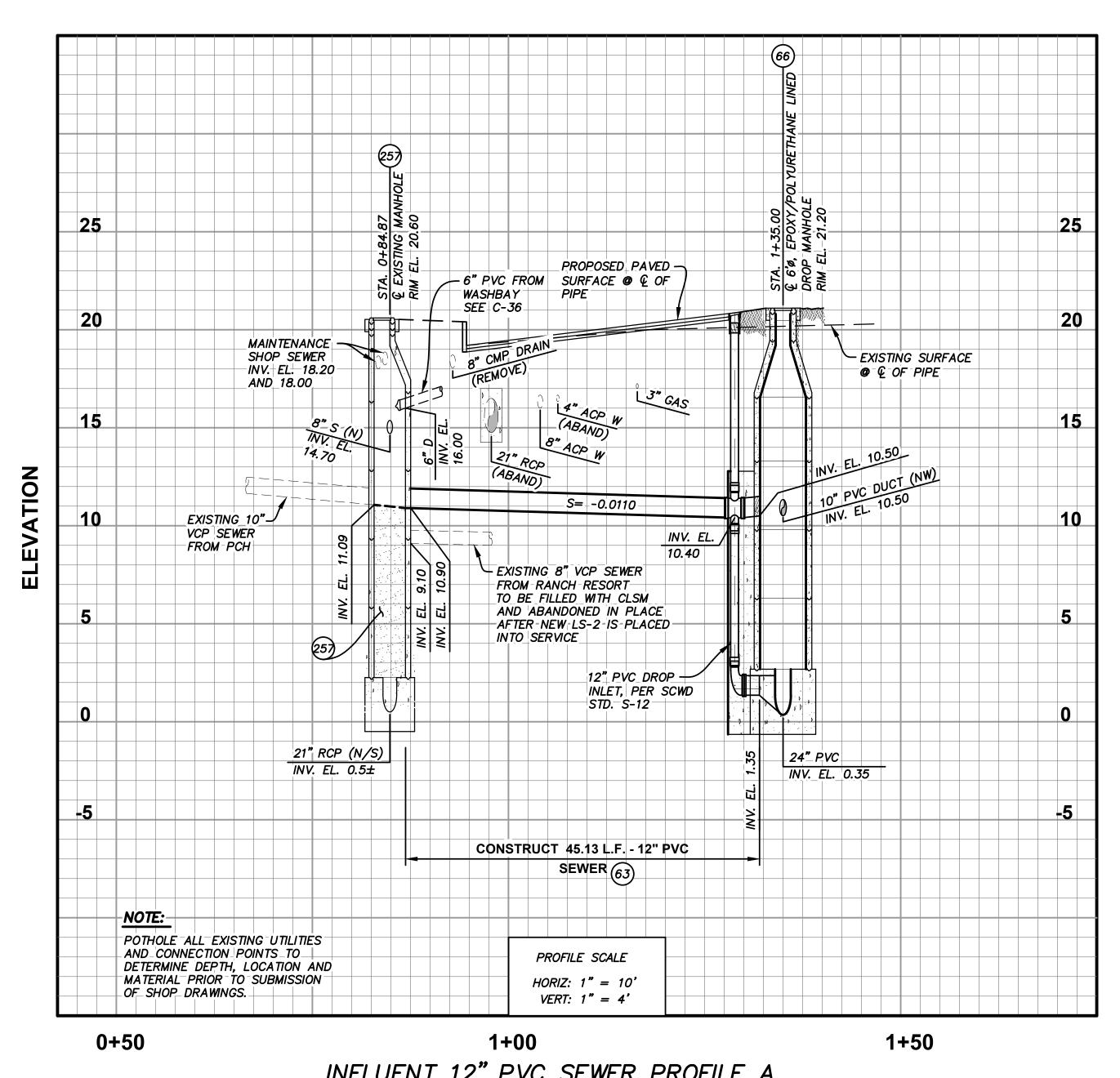


SCLS-15HH









236(- 12) 25 25 Q 4'ø, PVC LINED PROPOSED PAVED MANHOLE, RIM EL. 21.25 SURFACE @ & OF PIPE 20 EL. 20.11 EXISTING SURFACE -@ Q OF PIPE 11/2" PVC FROM--EMG.-INTERTIE-VAULT SEE C-22 15 PROPOSED 8" PVC TEMP SEWER_RELOCATION_SEE_ DWG. C-14 FOR PROFILE. TO BE FILLED WITH CLSM EXISTING 8-INCH VATION VCP SEWER FROM AND_ABANDONED_IN_PLACE RANCH RESORT S = 0.0051AFTER NEW LS-2 IS S = 0.0053PLACED INTO SERVICE 10 8" PVC N (HIGH) INV. EL. 12.17 -'8"-PVC-S-(HIGH) -[']INV.-EL.-9.27--EL.-3.78-S= +0.0681 S = -0.0035(61) 30-INCH-PVC, CONCRETE ENCASED SEWER FOR PLAN AND PROFILE SEE __DWG-_C-12_ CONSTRUCT 18.50 CONSTRUCT 38.66 L.F. - 8" PVC SEWER (64) L.F. - 16" PVC CONC. ENCASED SEWER 62 NOTE: POTHOLE ALL EXISTING UTILITIES AND_CONNECTION_POINTS_TO PROFILE SCALE DETERMINE DEPTH, LOCATION AND MATERIAL PRIOR TO SUBMISSION HORIZ: 1" = 10'OF SHOP DRAWINGS. VERT: 1" = 4'3+00 4+00 3+50

INFLUENT 8" AND 16" PVC SEWER PROFILE B

SEE DWG. C-12 FOR PLAN

INFLUENT 12" PVC SEWER PROFILE A

SEE DWG. C-12 FOR PLAN

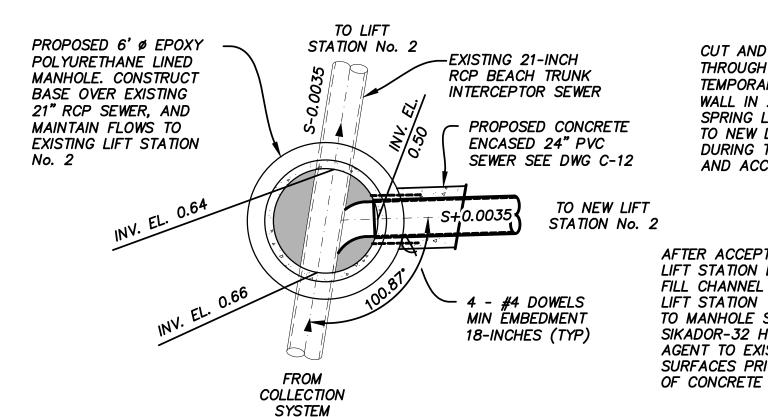
CONSTRUCTION NOTES:

- 61) CONSTRUCT 30-INCH DIAMETER, PVC, DR18, AWWA C905 PIPE WITH 6-INCH CONCRETE ENCASEMENT PER DETAIL (1)
- (62) CONSTRUCT 16-INCH DIAMETER, PVC, DR18, AWWA C905 PIPE WITH 6-INCH CONCRETE ENCASEMENT PER DETAIL 1 FOR PROFILE SEE C-13. PROFILE B. FOR PROFILE SEE C-13. PROFILE B.
- 63) CONSTRUCT 12-INCH DIAMETER, PVC, SDR26 SEWER PER SCWD STD. S-4. FOR PROFILE SEE C-13, PROFILE A.
- 64 CONSTRUCT 8-INCH DIAMETER, PVC, SDR26 SEWER PER SCWD STD. S-4. FOR PROFILE SEE C-13, PROFILE B.
- 66 CONSTRUCT 6-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD STD. S-1, S-2 AND S-3.
- (67) CONSTRUCT 4-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD S-1, S-2 AND S-3.



CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

- 68) CONSTRUCT NEW SEWER MANHOLE OVER EXISTING SEWER. MAINTAIN SEWER FLOW TO EXISTING LIFT STATION DURING CONSTRUCTION, REMOVE EXISTING PIPE THROUGH BASE, AND DIVERT FLOWS TO NEW LIFT STATION No.2 FOR TESTING. AFTER ACCEPTANCE OF NEW LIFT STATION No. 2, FILL CHANNEL TO THE EXISTING LIFT STATION.
 PROVIDE TEMPORARY BY-PASSING OF SEWER FLOWS AS NECESSARY
 TO COMPLETE THE WORK. CONTRACTOR SHALL SUBMIT A WORKPLAN TO SCWD DEFINING ALL MEANS AND METHODS TO BE EMPLOYED FOR HANDLING SEWER FLOWS PRIOR TO COMMENCING CONSTRUCTION.
- (149) 11/2", SCH 80, PVC SOLVENT WELD SUMP PUMP DISCHARGE PIPE.
- 236 CONSTRUCT 5-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD S-1, S-2 AND S-3. SEE DETAIL 1
- PLACE CLASS 560-C-3250 CONCRETE IN EXISTING MANHOLE UP TO INVERT OF EXISTING 10-INCH AND NEW 12-INCH SEWER. PROVIDE TEMPORARY BY-PASSING OF SEWER FLOWS AS NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL SUBMIT A WORK PLAN TO SCWD DEFINING ALL MEANS AND METHODS TO BE EMPLOYED FOR HANDLING SEWER FLOWS PRIOR TO COMMENCING CONSTRUCTION MODIFICATIONS TO MANHOLE SHALL NOT BE CONSTRUCTED UNTIL NEW LS-2 IS OPERATIONAL AND ACCEPTED BY SCWD. COAT INTERIOR OF MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM. REPLACE EXISTING CAST IRON FRÂME AND COVER WITH COMPOSITE FRAME AND COVER.



TO LIFT STATION No. 2 CUT AND REMOVE 21" RCP -EXISTING 21" RCP TO BE FILLED THROUGH MANHOLE INSTALL WITH CLSM TO EXISTING WET WELL TEMPORARY 12" CONCRETE AFTER NEW LIFT STATION No. 2 WALL IN 21-INCH RCP UP TO IS PLACED ON-LINE AND ACCEPTED SPRING LINE TO DIVERT FLOWS BY SCWD TO NEW LIFT STATION No. 2 DURING TESTING, DEMONSTRATION AND ACCEPTANCE PERIOD TO NEW LIFT STATION No. 2 AFTER ACCEPTANCE OF NEW LIFT STATION BY SCWD FILL CHANNEL TO EXISTING 24" CONCRETE LIFT STATION WITH CONCRETE ENCASED PVC TO MANHOLE SHELF. APPLY SEWER SEE SIKADOR-32 HI MOD BONDING AGENT TO EXISTING CONCRETE DWG C-12 SURFACES PRIOR TO PLACEMENT FROM

COLLECTION

SYSTEM

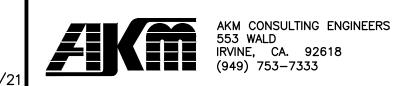
DETAIL NOTES:

- CONTRACTOR TO PREPARE AND SUBMIT SEWER BY-PASS PLAN FOR REVIEW AND APPROVAL BY SCWD.
- 2. CONSTRUCTION REQUIRING BY-PASSING OF FLOWS SHALL BE PERFORMED AT NIGHT DURING LOW FLOW PERIOD.
- 3. FLOW TO EXISTING LIFT STATION No.2 SHALL BE MAINTAINED UNTIL NEW LIFT STATION No. 2 HAS BEEN ACCEPTED.
- 4. CLSM FOR ABANDONMENT OF THE EXISTING 21" RCP SEWER SHALL CONFORM TO SSPWC **SECTION 201-6.**
- 5. VERIFY ELEVATION OF EXISTING 21" RCP

DESIGN JULY 2021 J. LOAGUE CONTRACT NO DRAWN M. URIBE 022-02-000 CHECKED Z. KAYIRAN DESCRIPTION APPROVED DATE REV. | DATE BY



The Loge 50292 7/23/2 JOHN A. LOAGUE RCE NO. DATE





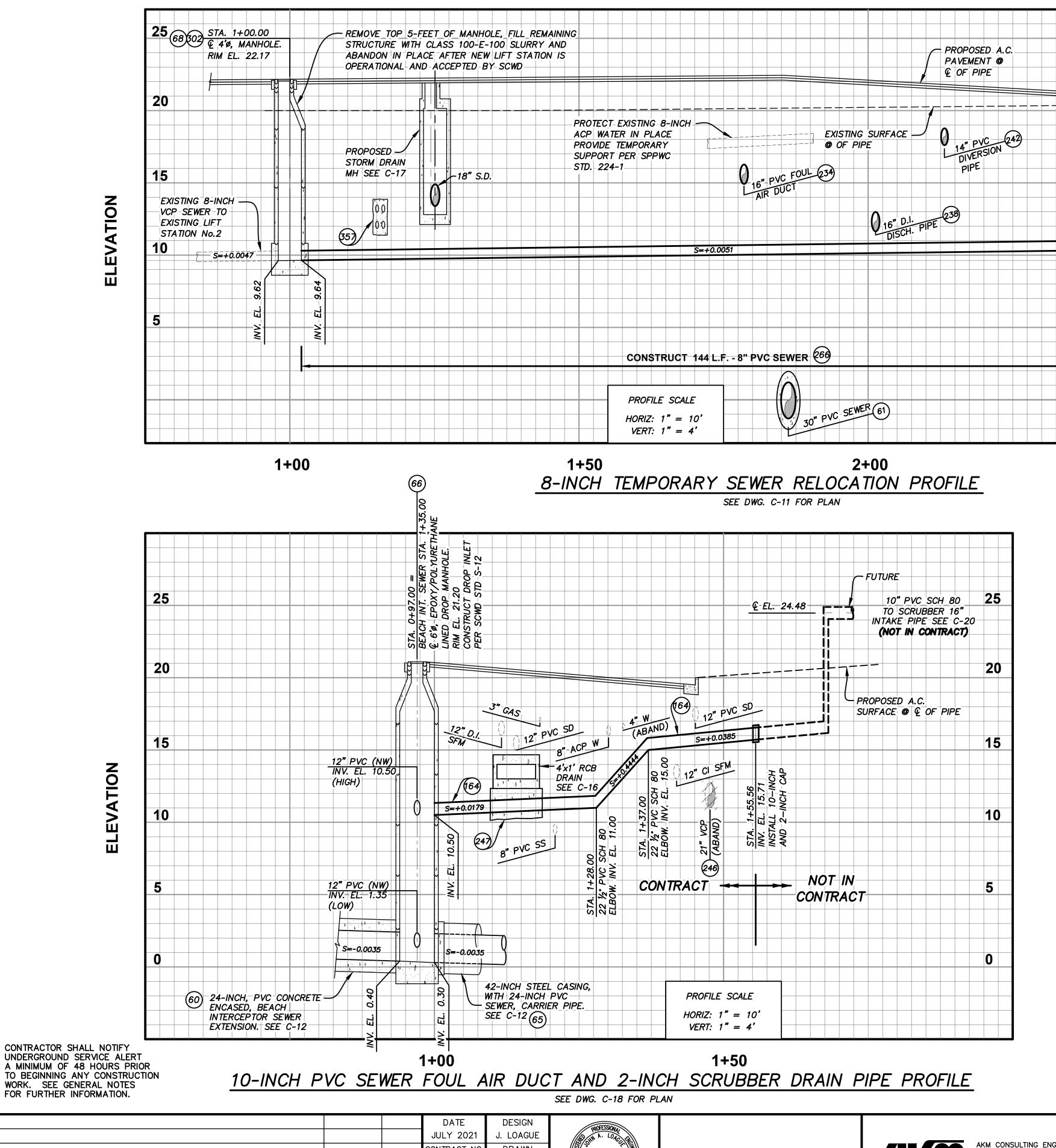
INFLUENT SEWER MANHOLE BASE DETAIL AT STATION 1+00.00

NOT TO SCALE

DOWNSTREAM SEWER PIPE OR	- · · — · ·
SOUTH COAST WATER DISTRICT	C-13
LIFT STATION No.2 REPLACEMENT	SHEET

INFLUENT SEWER PROFILES A AND B;

AND SEWER MANHOLE BASE DETAIL AT STA. 1+00.00



CONSTRUCTION NOTES:

STA. 2+48.00 = 67 68 25

€ 4'ø, EPOXY/POLTURETHANE

EXISTING 8-INCH

VCP SEWER FROM

10

RANCH RESORT

S=+0.0053

2+50

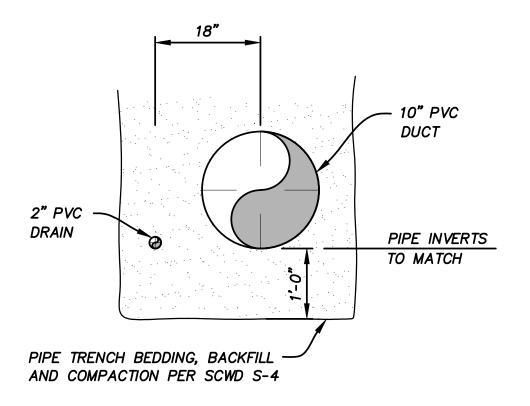
8" PROFILE B SEWER

LINED MANHOLE. RIM EL. 21.07

- 60 CONSTRUCT 24-INCH DIAMETER, PVC, DR18, AWWA C905 PIPE WITH 6-INCH CONCRETE ENCASEMENT PER DETAIL (1)
- 61) CONSTRUCT 30-INCH DIAMETER, PVC, DR18, AWWA C905
 PIPE WITH 6-INCH CONCRETE ENCASEMENT PER DETAIL (1)
 C-12
- (65) JACK-IN-PLACE 24-INCH DIAMETER, PVC, DR18, AWWA C905 SEWER AND 42-INCH x %" WALL (MIN.) ASTM A-36 STEEL CASING PER SCWD STD. S-11. PRESSURE GROUT CASING PERIPHERY. FILL ANNULAR SPACE WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM).
- 66) CONSTRUCT 6-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD STD. S-1, S-2 AND S-3.
- (67) CONSTRUCT 4-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD S-1, S-2 AND S-3.
- (68) CONSTRUCT NEW SEWER MANHOLE OVER EXISTING SEWER. MAINTAIN SEWER FLOW TO EXISTING LIFT STATION DURING CONSTRUCTION, REMOVE EXISTING PIPE THROUGH BASE, AND DIVERT FLOWS TO NEW LIFT STATION No.2 FOR TESTING. AFTER ACCEPTANCE OF NEW LIFT STATION No. 2, FILL CHANNEL TO THE EXISTING LIFT STATION. PROVIDE TEMPORARY BY-PASSING OF SEWER FLOWS AS NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL SUBMIT A WORKPLAN TO SCWD DEFINING ALL MEANS AND METHODS TO BE EMPLOYED FOR HANDLING SEWER FLOWS PRIOR TO COMMENCING CONSTRUCTION.
- (164) CONSTRUCT 10-INCH, PVC SCH 80, SOLVENT WELD FOUL ' AIR DUCT AND 2-INCH PVC SCRUBBER DRAIN PIPE PER SCWD STD. S-4 FOR PROFILE SEE C-14. FOR TRENCH SECTION SEE 1 C-14
- (234) PROPOSED 16-INCH PVC FOUL AIR DUCT TO FUTURE SCRUBBER LOCATION, SEE C-19.
- (238) PROPOSED 16-INCH D.I. LS-2 DISCHARGE PIPE. SEE C-21 AND C-23.
- 242 PROPOSED 14-INCH PVC SCWD TO CLB SEWER DIVERSION PIPE. SEE C-21 AND C-25.
- 246 EXISTING ABANDONED 12" D.I. AND 21" VCP TO BE
- REMOVED TO LIMITS SHOWN ON D-1 AND D-2.
- (24) CONSTRUCT 6" CONCRETE ENCASEMENT PER SCWD STD. DWG. S-8, TYPE B.
- 266) CONSTRUCT 8-INCH PVC, SDR 35 TEMPORARY SEWER RELOCATION PER SCWD STD S-4. FOR PROFILE SEE C-14. FILL PIPE WITH CLSM AFTER NEW LIFT STATION IS OPERATIONAL AND ACCEPTED BY THE DISTRICT.
- (302) CONSTRUCT 4-FOOT DIAMETER UNLINED, SEWER MANHOLE PER SCWD STD. S-1, S-2 AND S-3.
- 357) SDG&E OVERHEAD POWER AND COMMUNICATION LINE RELOCATION PER SDG&E REQUIREMENTS.

SHEET NOTES:

- 1. POTHOLE ALL EXISTING UTILITIES AND CONNECTION POINTS, TO DETERMINE DEPTH, LOCATION, AND MATERIAL PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- 2. MANHOLE BASE SHALL BE POURED AGAINST UNDISTURBED SOIL, WHERE DISTURBED OR IN AREA'S OF HIGH GROUNDWATER PROVIDE A MINIMUM OF 12-INCHES OF 1½" GRAVEL WRAPPED IN MIRAFI 140N FILTER FABRIC BELOW BASE.



10" DUCT/2" DRAIN INSTALLATION DETAIL NOT TO SCALE

						DATE	DESIGN
						JULY 2021	J. LOAGUE
						CONTRACT NO.	
						022-02-0001	M. URIBE
							CHECKED
EV.	DATE	BY	DESCRIPTION	APPROVED	DATE	,	Z. KAYIRAN

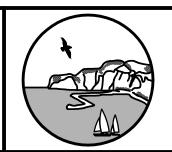
TWO WORKING DAYS

BEFORE YOU DIG



50292 7/23/21 RCE NO. DATE JOHN A. LOAGUE





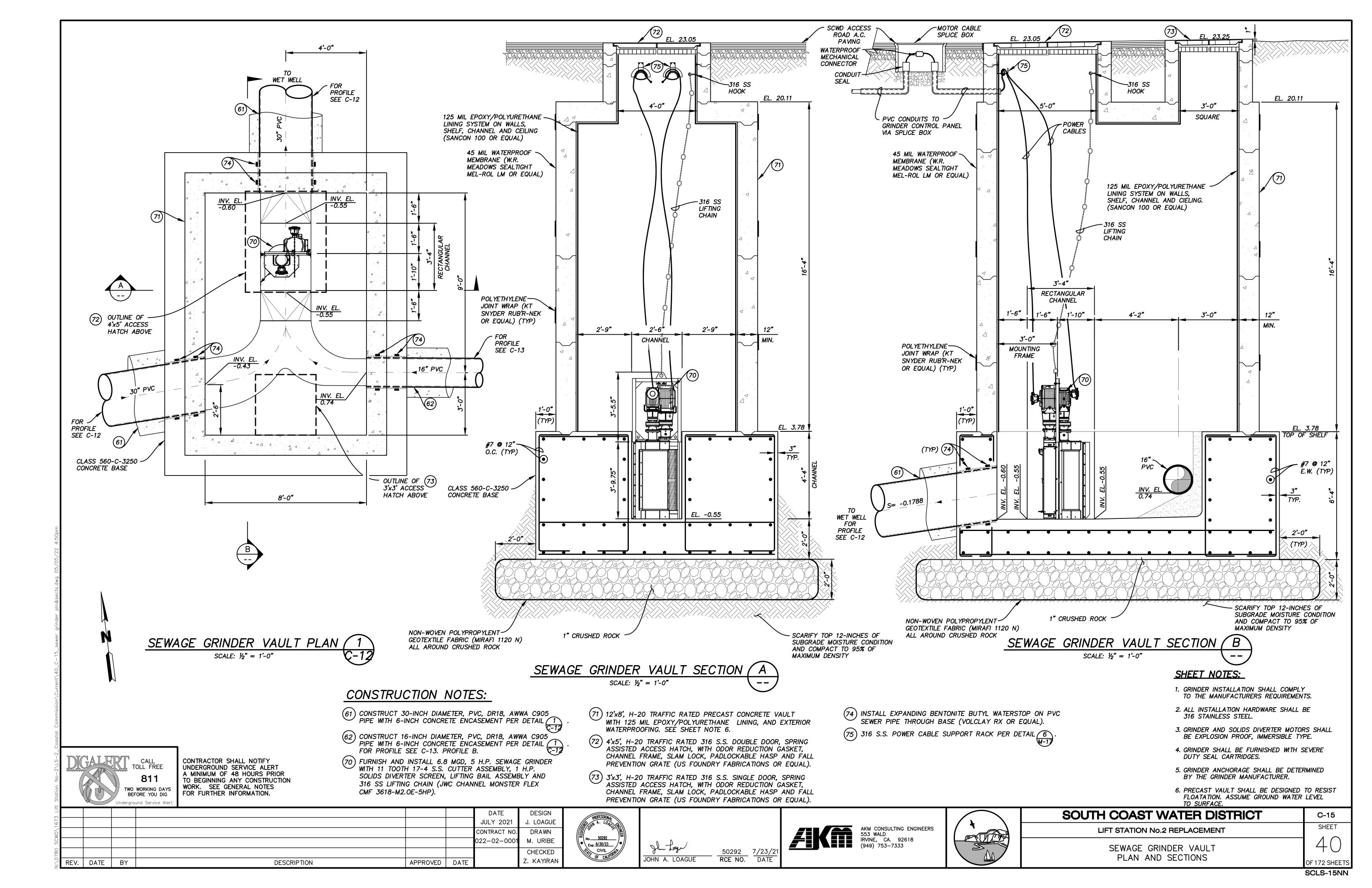
SOUTH COAST WATER DISTRICT
LIFT STATION No.2 REPLACEMENT
B-INCH TEMPORARY SEWER RELOCATION PROFILE

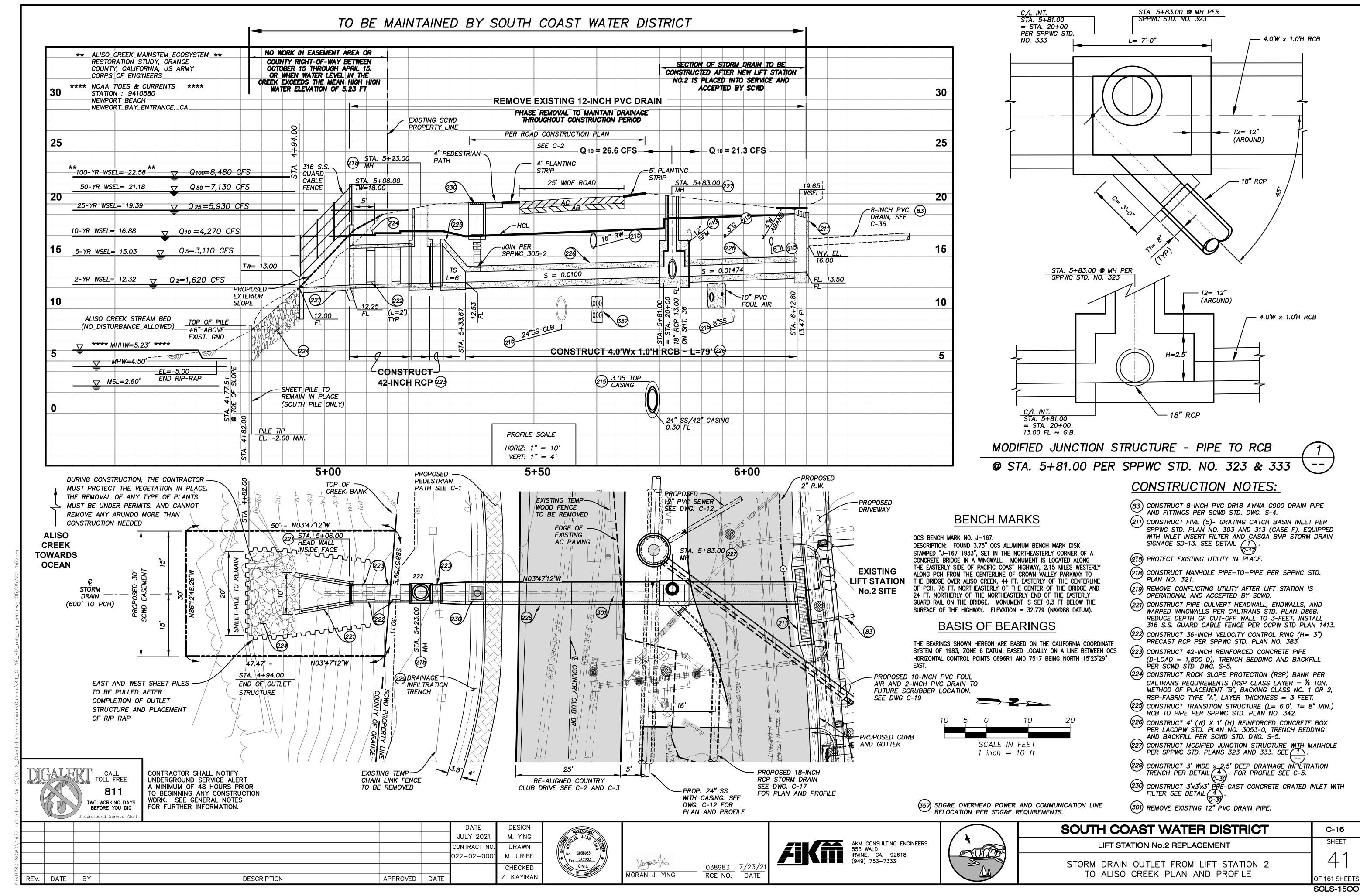
REPLACEMENT RELOCATION PROFILE AND 10-INCH PVC SEWER SYSTEM FOUL AIR PIPE PROFILE

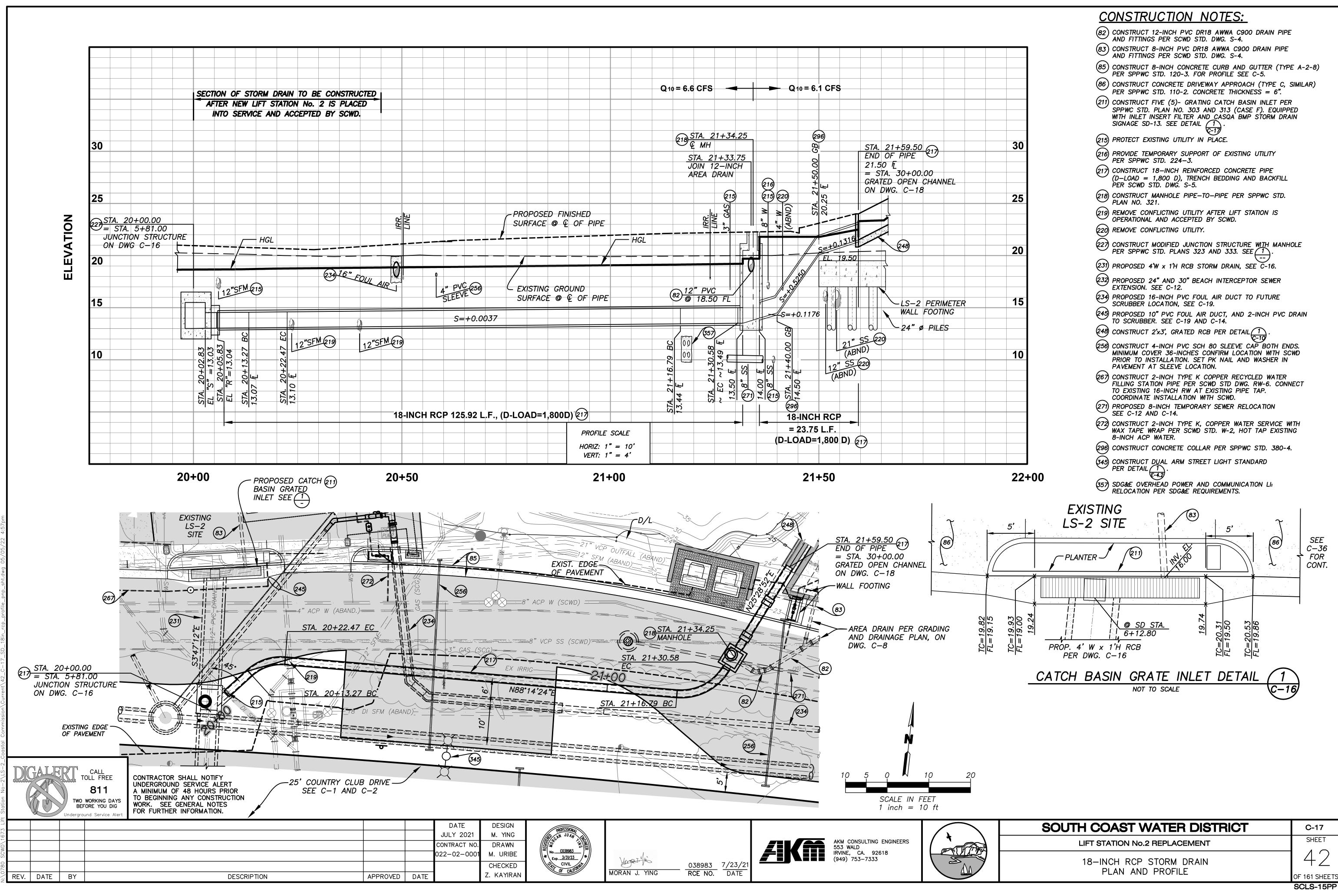
C-14

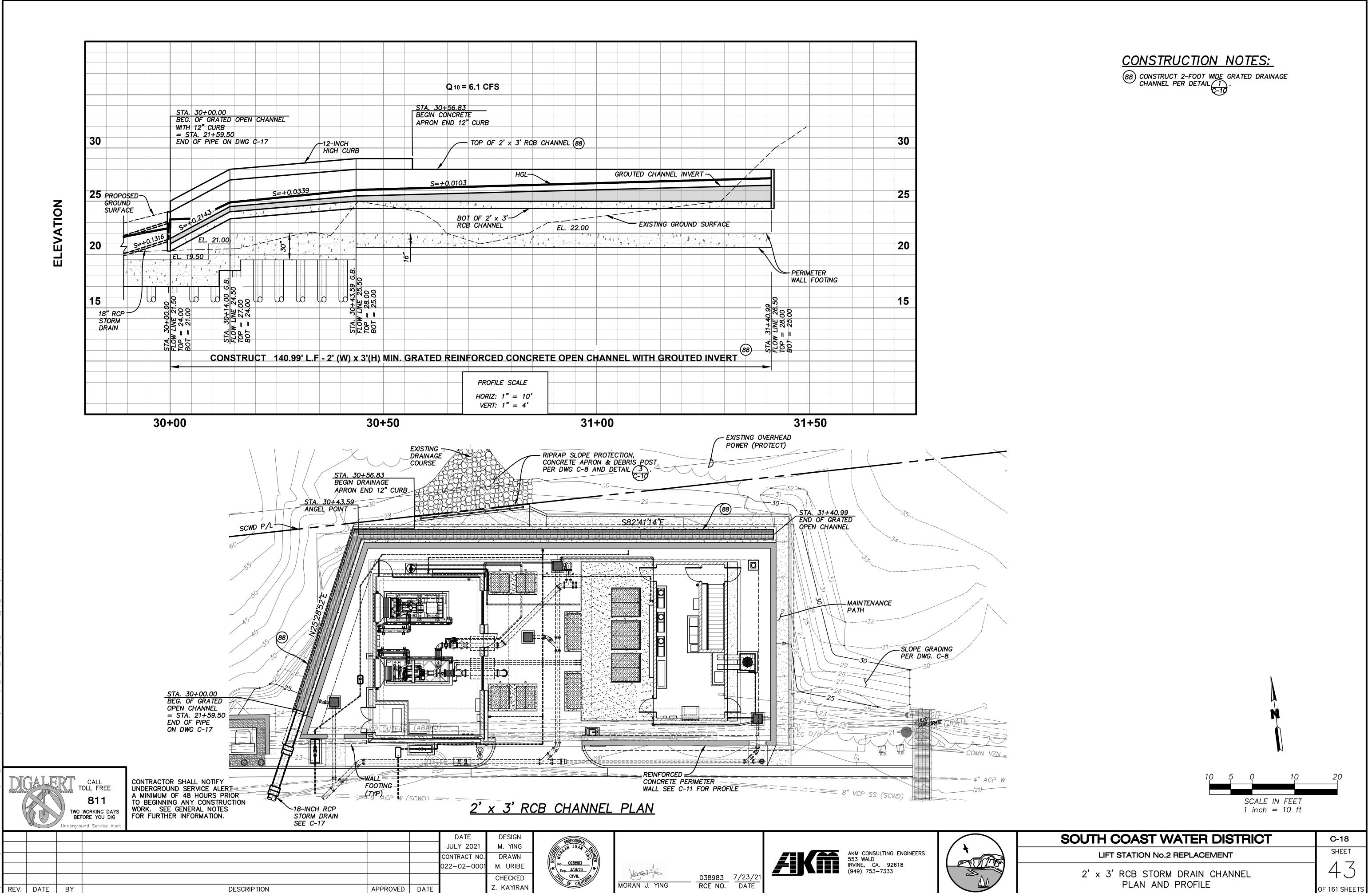
SHEET

39

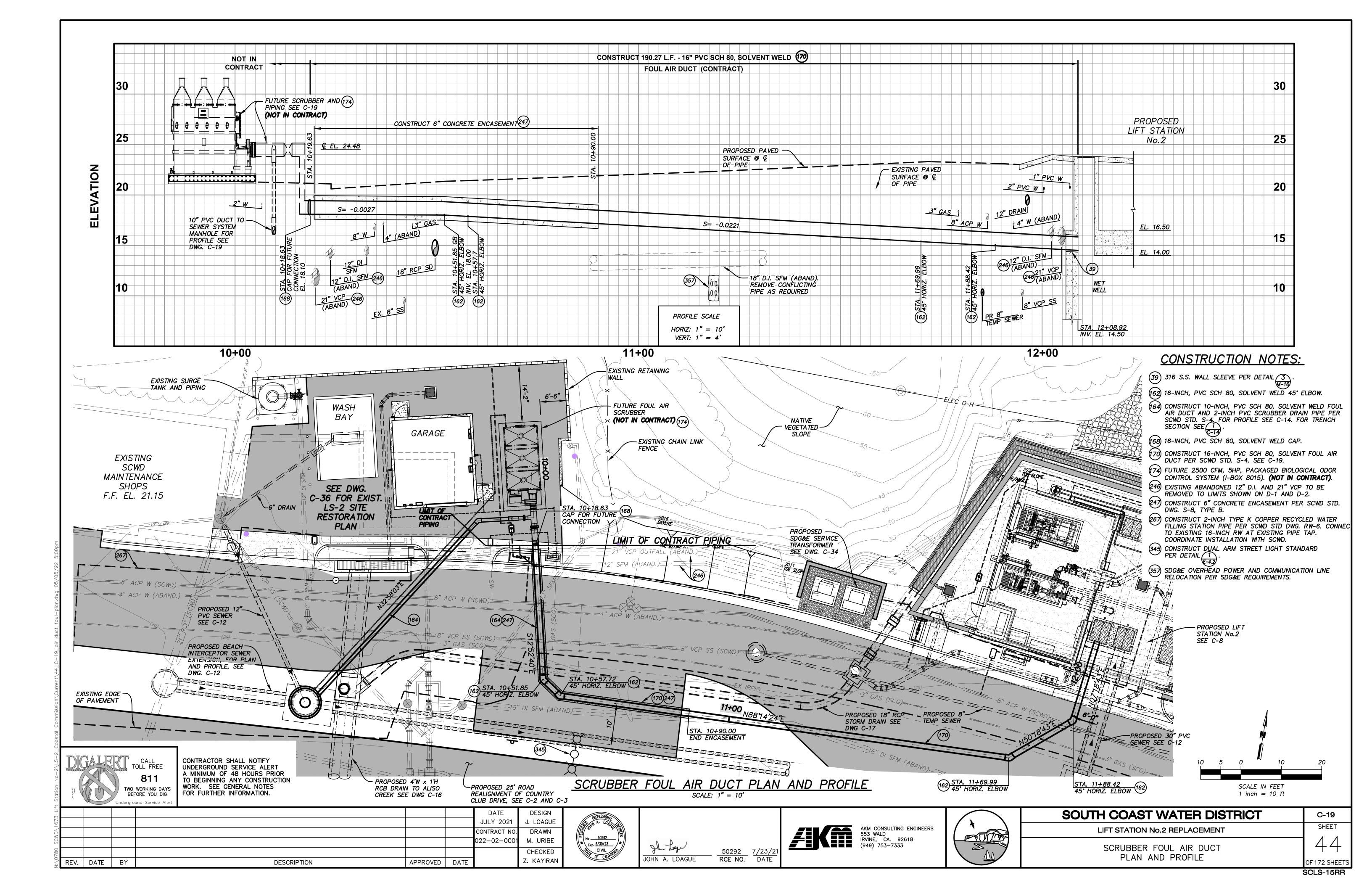


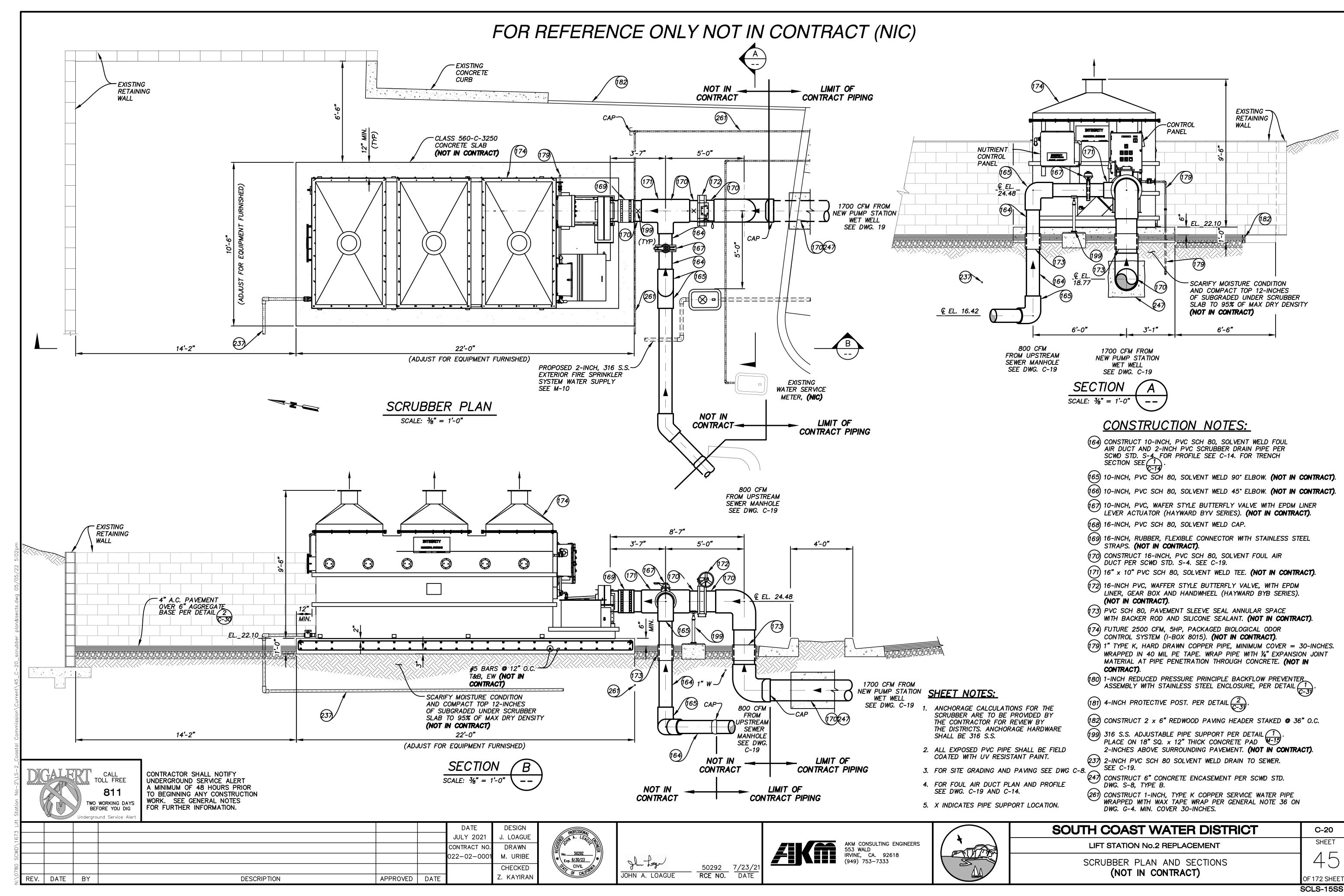


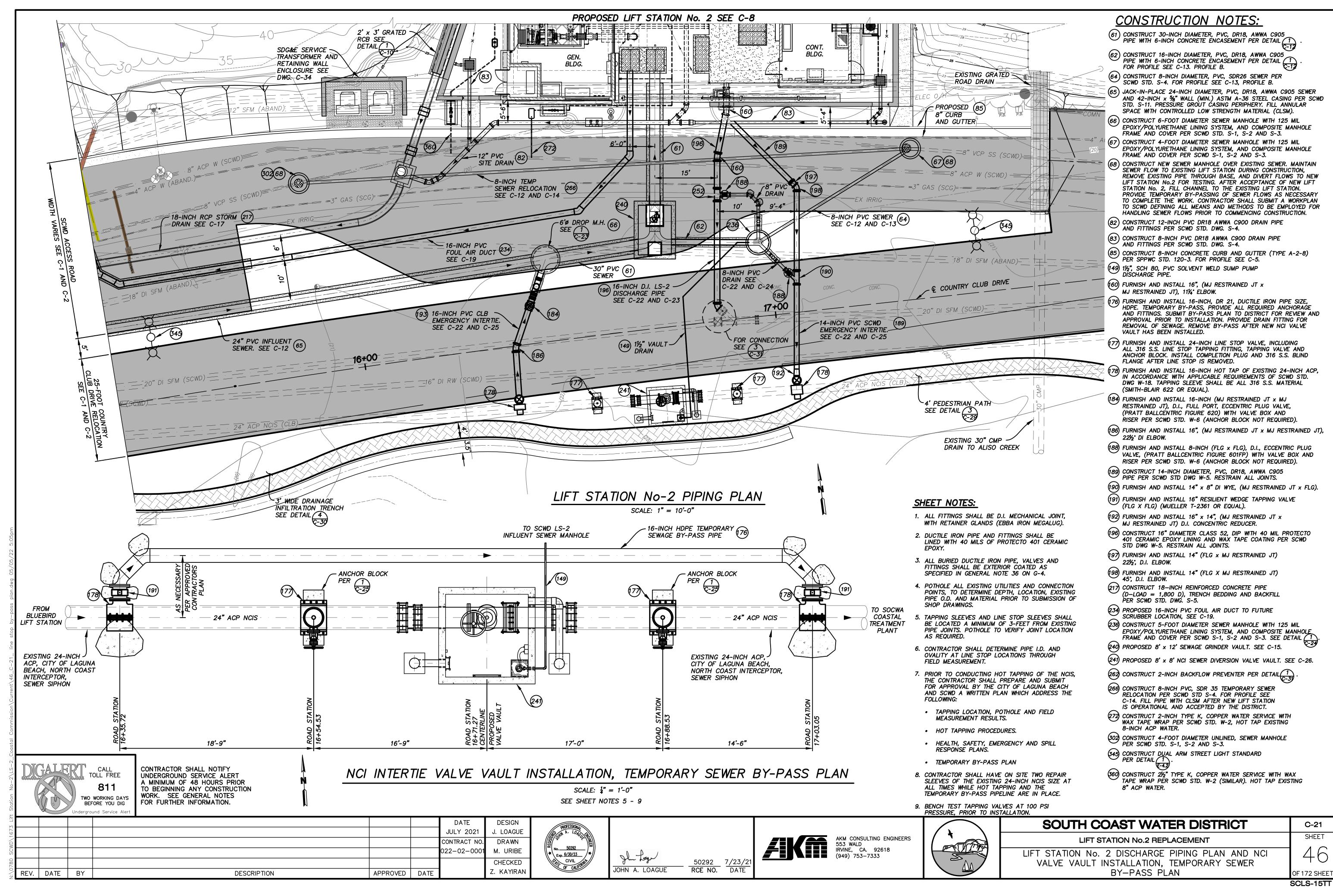


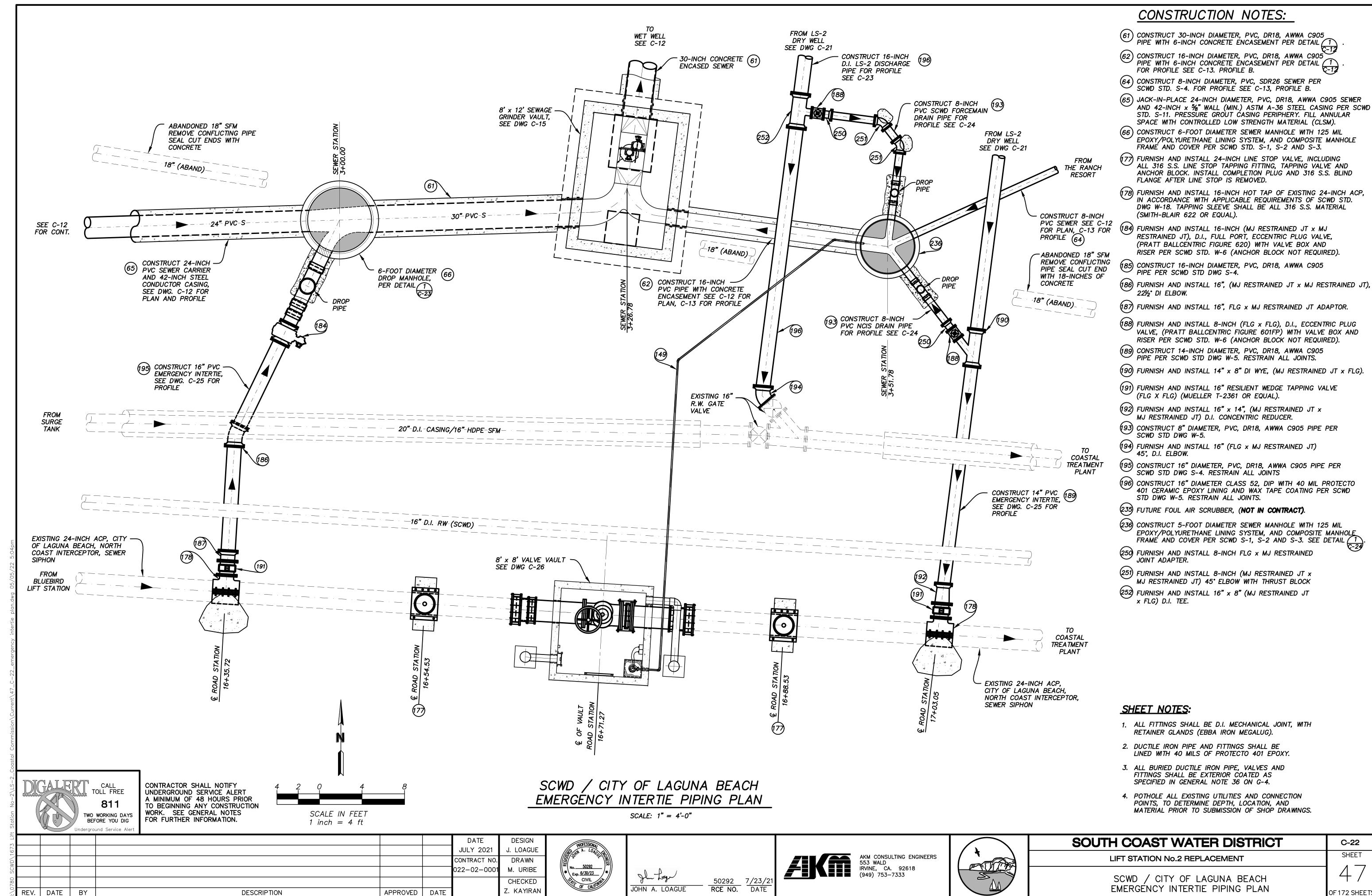


SCLS-15QQ

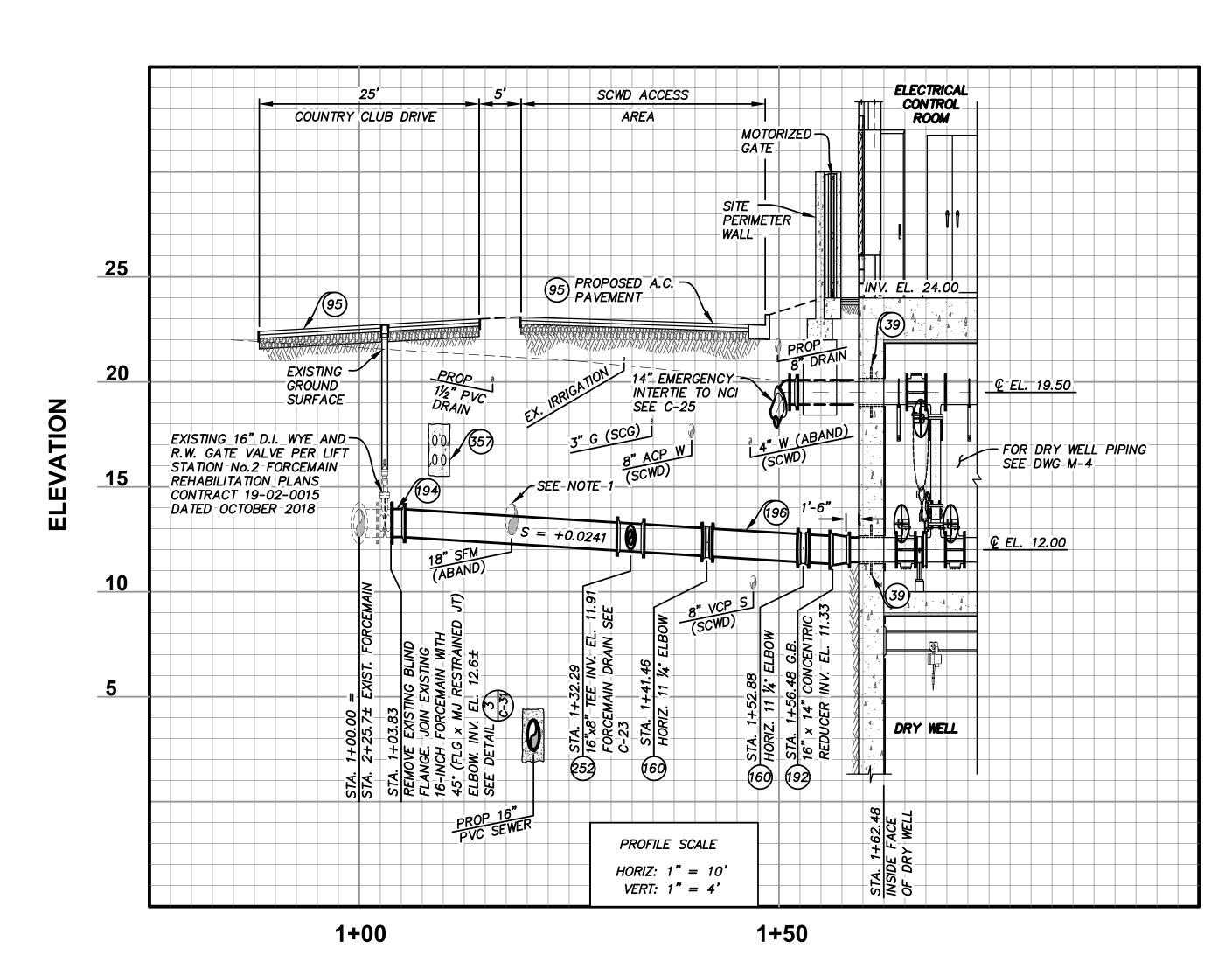








SCLS-15UU



NOTES:

1. CUT AND REMOVE CONFLICTING 18" ABANDONED D.I. PIPE. PLUG CUT ENDS WITH 18-INCHES OF CONCRETE.

16-INCH LIFT STATION DISCHARGE PIPE PROFILE

FOR PLAN SEE DWG C-21 AND C-22

CONSTRUCTION NOTES:

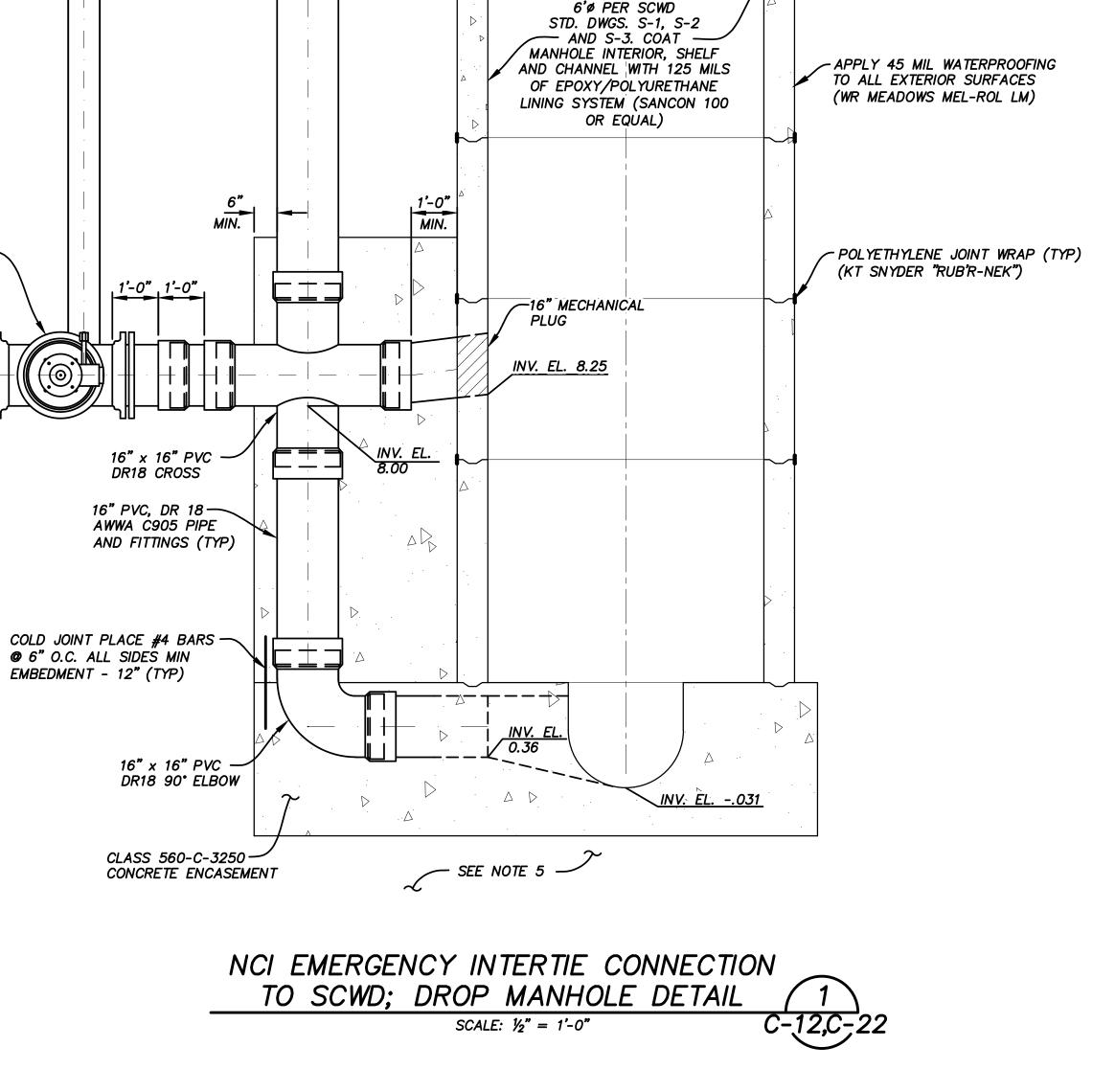
- 39 316 S.S. WALL SLEEVE PER DETAIL 3.
- 95) CONSTRUCT 4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE. SCARIFY TOP 12-INCHES OF PAVEMENT SUBGRADE, MOISTURE CONDITION AND RECOMPACT TO 95% OF THE MAXIMUM DRY DENSITY.
- 160 FURNISH AND INSTALL 16", (MJ RESTRAINED JT X MJ RESTRAINED JT), 111/4° ELBOW.
- (192) FURNISH AND INSTALL 16" x 14", (MJ RESTRAINED JT x MJ RESTRAINED JT) D.I. CONCENTRIC REDUCER.
- 194) FURNISH AND INSTALL 16" (FLG x MJ RESTRAINED JT) 45°, D.I. ELBOW.
- (196) CONSTRUCT 16" DIAMETER CLASS 52, DIP WITH 40 MIL PROTECTO 401 CERAMIC EPOXY LINING AND WAX TAPE COATING PER SCWD STD DWG W-5. RESTRAIN ALL JOINTS.

APPROVED DATE

- 252) FURNISH AND INSTALL 16" x 8" (MJ RESTRAINED JT x FLG) D.I. TEE.
- SDG&E OVERHEAD POWER AND COMMUNICATION LINE RELOCATION PER SDG&E REQUIREMENTS.

SHEET NOTES:

- 1. ALL FITTINGS SHALL BE D.I. MECHANICAL JOINT, WITH RETAINER GLANDS (EBBA IRON MEGALUG).
- 2. DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED WITH 40 MILS OF PROTECTO 401 EPOXY.
- 3. ALL BURIED DUCTILE IRON PIPE, VALVES AND FITTINGS SHALL BE EXTERIOR COATED AS SPECIFIED IN GENERAL NOTE 36 ON DWG. G-4.
- 4. POTHOLE ALL EXISTING UTILITIES AND CONNECTION POINTS, TO DETERMINE DEPTH, LOCATION, AND MATERIAL PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- 5. MANHOLE BASE SHALL BE POURED AGAINST UNDISTURBED SOIL, WHERE DISTURBED OR IN AREA'S OF HIGH GROUNDWATER PROVIDE A MINIMUM OF 12-INCHES OF 11/2 GRAVEL WRAPPED IN MIRAFI 140N FILTER FABRIC BELOW BASE.



-24" FRAME AND COVER (ALHAMBRA FOUNDRY

COLLAR

A-1254 OR EQUAL)

—PVC CAP



BY

REV. | DATE |

TWO WORKING DAYS BEFORE YOU DIG

CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

DESCRIPTION

Exp. 6/30/23 CIVIL OF CALIFORN

DESIGN

J. LOAGUE

DRAWN M. URIBE

CHECKED

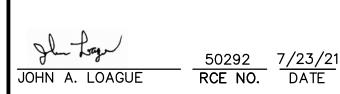
Z. KAYIRAN

JULY 2021

CONTRACT NO

022-02-000







COUNTRY CLUB — DRIVE A.C.

PAVEMENT

16" MJ RESTRAINED JT x MJ RESTRAINED JT, —

16" PVC DR18 C905

PIPE. FOR PROFILE

SEE C-25

ECCENTRIC PLUG VALVE WITH MEGALUG

RISER PER SCWD STD. DWG. W-6

16" PVC DR C905

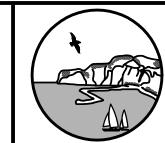
EMERGENCY INTERTIE

PIPE FROM THE CITY OF LAGUNA BEACH NORTH COAST INTERCEPTOR SEWER SEE C-22

RETAINER GLANDS AND VALVE BOX AND

24"Ø PRECAST — CONCRETE SHAFT

CLASS 560-C-3250 -CONCRETE W/ #4 BARS @ 12" O.C.,



SOUTH COAST WATER DISTRICT
LIFT STATION No.2 REPLACEMENT
6-INCH LIFT STATION No. 2 DISCHARGE PIPE PROFILE
NCI EMERGENCY INTERTIE CONNECTIONS TO SCWD,

DROP MANHOLE DETAIL

OF 172 SHEET SCLS-15VV

C-23

SHEET

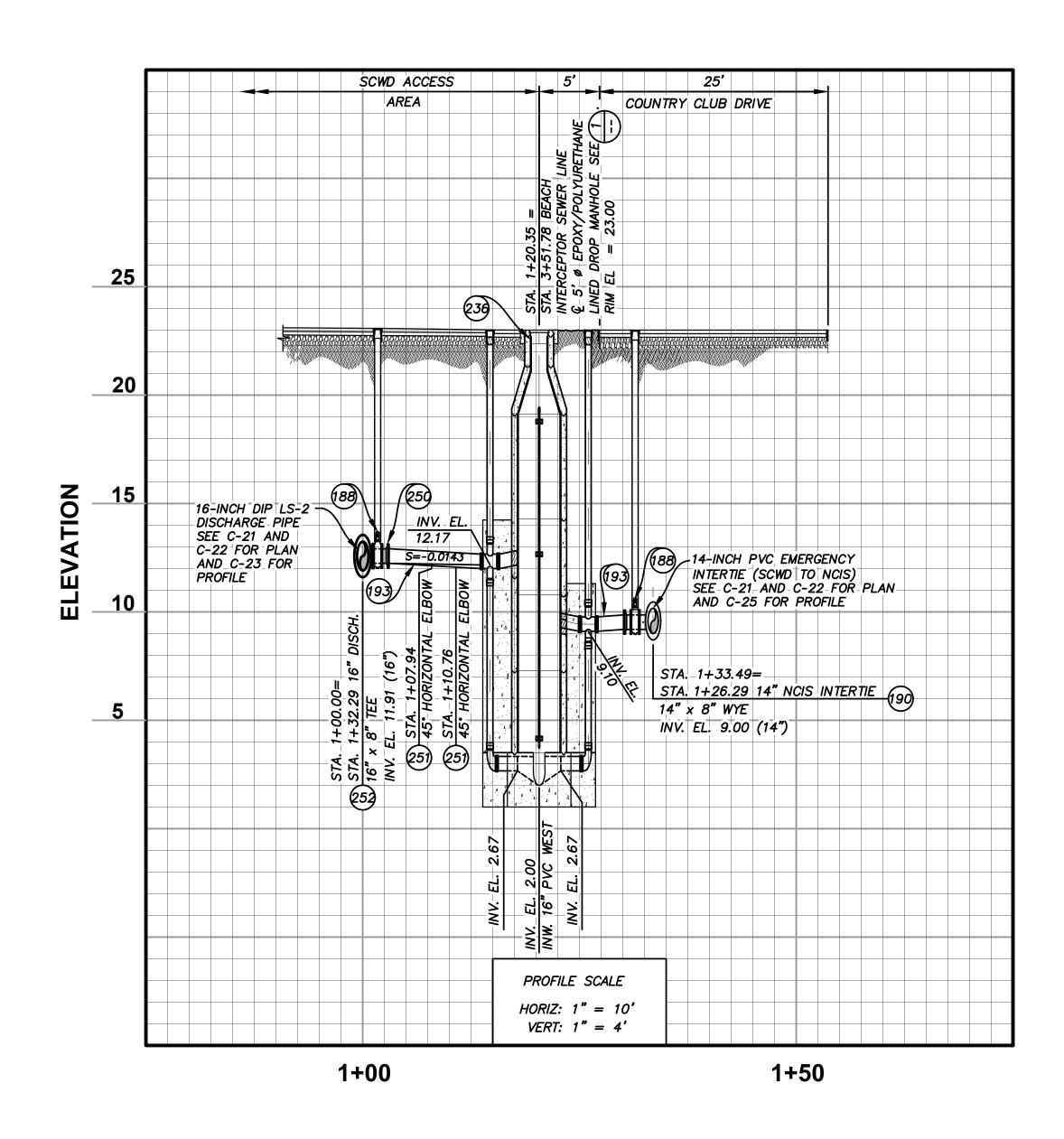
-SCWD ACCESS AREA

AC PAVEMENT

· 36"ø COMPOSITE

RIM EL. 23.50

FRAME AND COVER /



8-INCH SCWD FORCEMAIN/NCIS DRAIN CONNECTION PROFILE

FOR PLAN SEE C-21 AND C-22

CONSTRUCTION NOTES:

- (188) FURNISH AND INSTALL 8-INCH (FLG x FLG), D.I., ECCENTRIC PLUG VALVE, (PRATT BALLCENTRIC FIGURE 601FP) WITH VALVE BOX AND RISER PER SCWD STD. W-6 (ANCHOR BLOCK NOT REQUIRED).
- (190) FURNISH AND INSTALL 14" x 8" DI WYE, (MJ RESTRAINED JT x FLG).
- (193) CONSTRUCT 8" DIAMETER, PVC, DR18, AWWA C905 PIPE PER SCWD STD DWG W-5.
- (236) CONSTRUCT 5-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL CONSTRUCT 5-FOOT DIAMETER SEWER MAINTIULE WITH 120 MILE EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD S-1, S-2 AND S-3. SEE DETAIL 1.

APPROVED DATE

- FURNISH AND INSTALL 8-INCH FLG x MJ RESTRAINED JOINT ADAPTER.
- (251) FURNISH AND INSTALL 8-INCH (MJ RESTRAINED JT x MJ RESTRAINED JT) 45° ELBOW WITH THRUST BLOCK
 PER SCWD STD W-4.
- (252) FURNISH AND INSTALL 16" x 8" (MJ RESTRAINED JT x FLG) D.I. TEE.

SHEET NOTES:

1. ALL FITTINGS SHALL BE D.I. MECHANICAL JOINT, WITH RETAINER GLANDS (EBBA IRON MEGALUG).

FROM 16-INCH DIP LS-2 DISCHARGE PIPE.

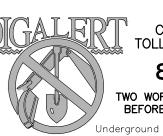
SEE PROFILE TO THE LEFT

- 2. DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED WITH 40 MILS OF PROTECTO 401 EPOXY.
- 3. ALL BURIED DUCTILE IRON PIPE, VALVES AND FITTINGS SHALL BE EXTERIOR COATED AS SPECIFIED IN GENERAL NOTE 36 ON DWG. G-4.
- 4. POTHOLE ALL EXISTING UTILITIES AND CONNECTION POINTS, TO DETERMINE DEPTH, LOCATION, AND MATERIAL PRIOR TO SUBMISSION OF SHOP DRAWINGS.
- 5. MANHOLE BASE SHALL BE POURED AGAINST UNDISTURBED SOIL, WHERE DISTURBED OR IN AREA'S OF HIGH GROUNDWATER PROVIDE A MINIMUM OF 12-INCHES OF 1½" GRAVEL WRAPPED IN MIRAFI 140N FILTER FABRIC BELOW BASE.

8-INCH SCWD FORCEMAIN/NCI DRAIN CONNECTION; DROP MANHOLE DETAIL SCALE: $\frac{1}{2}$ " = 1'-0"

INV. EL. 2.00 16" PVC WEST





BY

REV. DATE

TWO WORKING DAYS BEFORE YOU DIG

CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

DESCRIPTION

Exp. 6/30/23

CIVIL

OF CALIFORNIA

DESIGN

J. LOAGUE

DRAWN M. URIBE

CHECKED

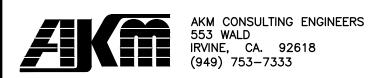
Z. KAYIRAN

JULY 2021

CONTRACT NO

022-02-000

 $\frac{50292}{\text{RCE NO.}} \frac{7/23/21}{\text{DATE}}$ JOHN A. LOAGUE



- CLEAN OUT BOX PER SCWD STD S-10

2'-6"

<u> INV. EL</u> 12.00

5'ø PER SCWD STD. DWGS. S-1, S-2 ─ AND S-3. COAT ── MANHOLE INTERIOR, SHELF AND CHANNEL WITH 125 MILS

OF EPOXY/POLYURETHANE

LINING SYSTEM (SANCON 100

OR EQUAL)

8" MECHANICAL-

PLUG

-8" MECHANICAL

· 36" Ø COMPOSITE

FRAME AND COVER

2'-6"

- CLEAN OUT BOX

APPLY 45 MIL **WATERPROOFING** TO ALL EXTERIOR

MEL-ROL LM)

POLYETHYLENE

JOINT WRAP (TYP)

8" x 8" PVC

DR18 CROSS

S=+0.0239

DR 18 PIPE

AND FITTINGS

-8" x 8" PVC DR18 90° ELBOW

COLD JOINT PLACE #4 BARS

@ 6" O.C. ALL SIDES MIN EMBEDMENT - 12" (TYP)

(KT SNYDER "RUB"R-NEK")

SURFACES (WR MEADOWS

PER SCWD STD S-10

COUNTRY CLUB -

8" x 8" PVC

DR18 CROSS

8-INCH PVC

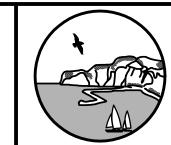
DR 18 PIPE AND FITTINGS

8" x 8" PVC — DR18 90° ELBOW

CLASS 560-C-3250-CONCRETE ENCASEMENT

DRIVE A.C.

PAVEMENT



SOUTH COAST WATER DISTRICT	
LIFT STATION No.2 REPLACEMENT	
8-INCH SCWD FORCEMAIN/NCI DRAIN CONNECTION PROFILE AND DROP MANHOLE	

OF 172 SHEETS SCLS-15WW

C-24

SHEET

-SCWD ACCESS AREA

14-INCH PVC EMERGENCY

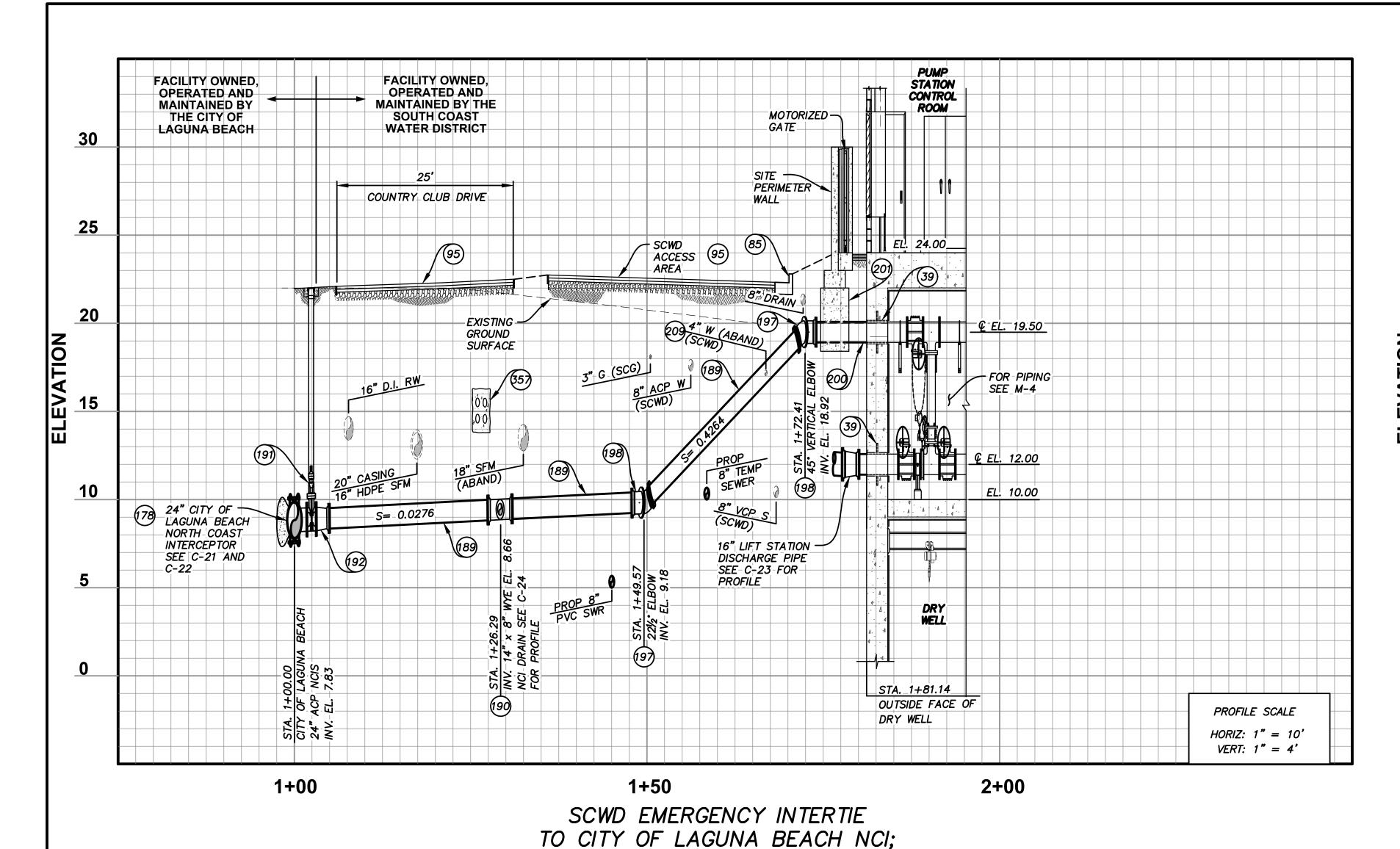
INTERTIE (SCWD TO NCIS)

AND C-25 FOR PROFILE

INV. EL. 9.00 (14")

SEE C-21 AND C-22 FOR PLAN

AC PAVEMENT



25' COUNTRY CLUB DRIVE 25 ACCESS 95 20 **EVATION** GROUND SURFACE 178 24" CITY OF LAGUNA BEACH NORTH COAST INTERCEPTOR SEE C-21 AND **FACILITY OWNED** OPERATED AND
MAINTAINED BY THE
SOUTH COAST
WATER DISTRICT PROFILE SCALE HORIZ: 1" = 10'VERT: 1" = 4' 1+00 1+50

CITY OF LAGUNA BEACH EMERGENCY INTERTIE TO SCWD LIFT STATION No.2;
16-INCH DIVERSION PIPE PROFILE

FOR PLAN SEE C-21 AND C-22

SHEET NOTES:

- 1. ALL D.I. MECHANICAL JOINT FITTINGS SHALL BE RESTRAINED (EBBA IRON MEGALUG 2000PV FOR PVC PIPE AND 1100 FOR D.I. PIPE)
- 2. DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED WITH 40 MILS OF PROTECTO 401 EPOXY.
- 3. ALL BURIED DUCTILE IRON PIPE, VALVES AND FITTINGS SHALL BE EXTERIOR COATED AS SPECIFIED IN GENERAL NOTE 36 ON DWG. G-4.
- 4. POTHOLE ALL EXISTING UTILITIES AND CONNECTION POINTS, TO DETERMINE DEPTH, LOCATION, AND MATERIAL, PRIOR TO SUBMISSION OF SHOP DRAWINGS



CONTRACTOR SHALL NOTIFY
UNDERGROUND SERVICE ALERT
A MINIMUM OF 48 HOURS PRIOR
TO BEGINNING ANY CONSTRUCTION
WORK. SEE GENERAL NOTES
FOR FURTHER INFORMATION.

CONSTRUCTION NOTES:

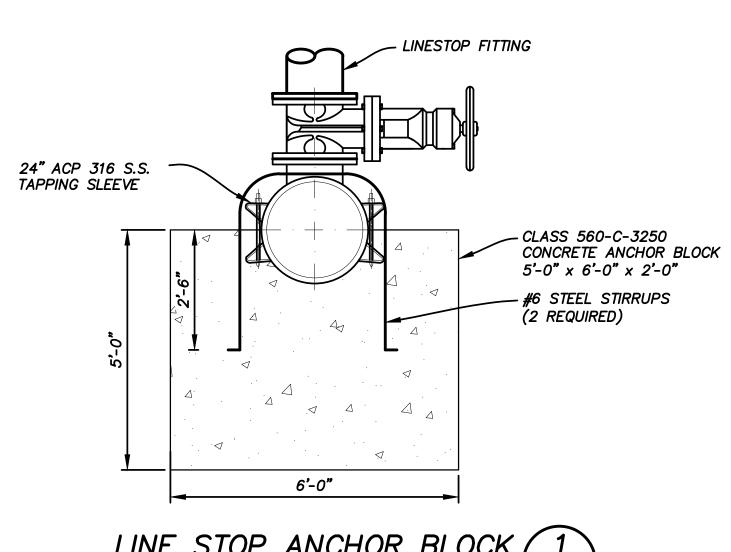
- (39) 316 S.S. WALL SLEEVE PER DETAIL (3)
- 66 CONSTRUCT 6-FOOT DIAMETER SEWER MANHOLE WITH 125 MIL EPOXY/POLYURETHANE LINING SYSTEM, AND COMPOSITE MANHOLE FRAME AND COVER PER SCWD STD. S-1, S-2 AND S-3.

14-INCH DIVERSION PIPE PROFILE

FOR PLAN SEE C-21 AND C-22

- (85) CONSTRUCT 8-INCH CONCRETE CURB AND GUTTER PER SPPWC STD. 120-3. FOR PROFILE SEE C-5.
- 95) CONSTRUCT 4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE.
 SCARIFY TOP 12-INCHES OF PAVEMENT SUBGRADE, MOISTURE
 CONDITION AND RECOMPACT TO 95"% OF THE MAXIMUM DRY DENSITY.
- FURNISH AND INSTALL 16-INCH HOT TAP OF EXISTING 24-INCH ACP, IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SCWD STD. DWG W-18. TAPPING SLEEVE SHALL BE ALL 316 S.S. MATERIAL (SMITH-BLAIR 622 OR EQUAL).
- FURNISH AND INSTALL 16-INCH (MJ RESTRAINED JT x MJ RESTRAINED JT), D.I., FULL PORT, ECCENTRIC PLUG VALVE, (PRATT BALLCENTRIC FIGURE 620) WITH VALVE BOX AND RISER PER SCWD STD. W-6 (ANCHOR BLOCK NOT REQUIRED).
- 186) FURNISH AND INSTALL 16", (MJ RESTRAINED JT x MJ RESTRAINED JT), 221/2" DI ELBOW.
- (187) FURNISH AND INSTALL 16", FLG x MJ RESTRAINED JT ADAPTOR.
- (189) CONSTRUCT 14-INCH DIAMETER, PVC, DR18, AWWA C905 PIPE PER SCWD STD DWG W-5. RESTRAIN ALL JOINTS.

- (190) FURNISH AND INSTALL 14" x 8" DI WYE, (MJ RESTRAINED JT x FLG).
- (191) FURNISH AND INSTALL 16" RESILIENT WEDGE TAPPING VALVE (FLG X FLG) (MUELLER T-2361 OR EQUAL).
- (192) FURNISH AND INSTALL 16" x 14", (MJ RESTRAINED JT x MJ RESTRAINED JT) D.I. CONCENTRIC REDUCER.
- (195) CONSTRUCT 16" DIAMETER, PVC, DR18, AWWA C905 PIPE PER SCWD STD DWG S-4. RESTRAIN ALL JOINTS
- 197) FURNISH AND INSTALL 14" (FLG x MJ RESTRAINED JT) 221/2", D.I. ELBOW.
- 198) FURNISH AND INSTALL 14" (FLG X MJ RESTRAINED JT) 45°, D.I. ELBOW.
- (200) 14" CLASS 53, (FLG X PE) DUCTILE IRON PIPE.
- CONSTRUCT CLASS 560-C-3250 CONCRETE ENCASEMENT UP TO BOTTOM OF WALL FOOTING. ENCASEMENT SHALL EXTEND 6" BEYOND THE EDGE OF THE FOOTING, AND 6" ON SIDES AND BOTTOM OF PIPE.
- CUT AND REMOVE CONFLICTING SECTION OF ABANDONED PIPE, PLUG CUT ENDS WITH CONCRETE.
- SDG&E OVERHEAD POWER AND COMMUNICATION LINE RELOCATION PER SDG&E REQUIREMENTS.



LINE STOP ANCHOR BLOCK 1

SCALE: 1/2" = 1'-0"

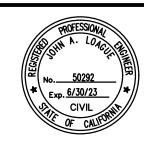
C-21

DATE DESIGN
JULY 2021 J. LOAGUE

JULY 2021 DRAWN
CONTRACT NO. DRAWN
O22-02-0001 M. URIBE

REV. DATE BY
DESCRIPTION
APPROVED DATE

DATE DESIGN
JULY 2021 J. LOAGUE
CONTRACT NO. DRAWN
APPROVED DATE
DESCRIPTION
APPROVED DATE



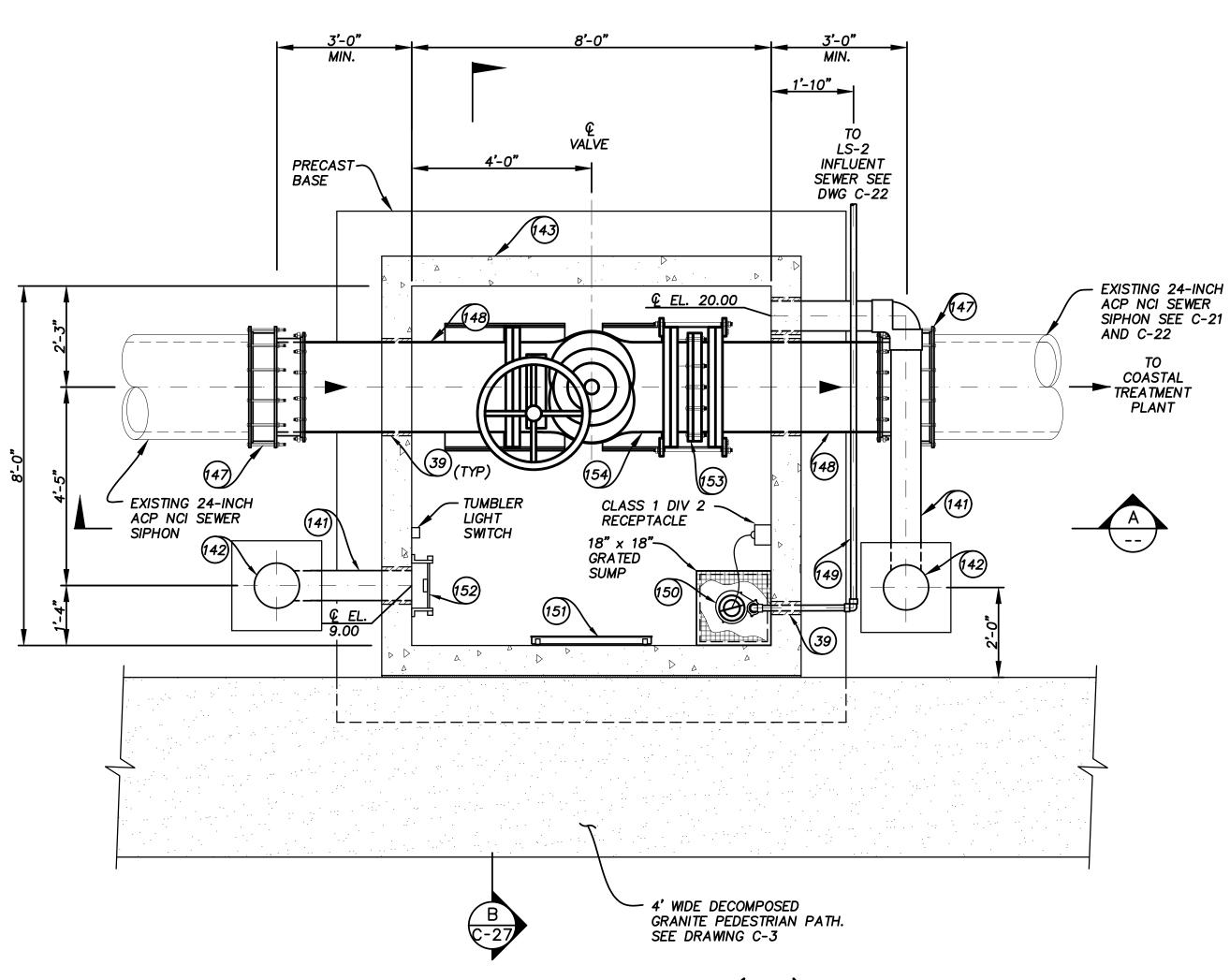






	_
SOUTH COAST WATER DISTRICT	C-25
LIFT STATION No.2 REPLACEMENT	SHEET
SCWD/CITY OF LAGUNA BEACH EMERGENCY INTERTIE PIPE PROFILES	50

OF 172 SHEETS SCLS-15XX



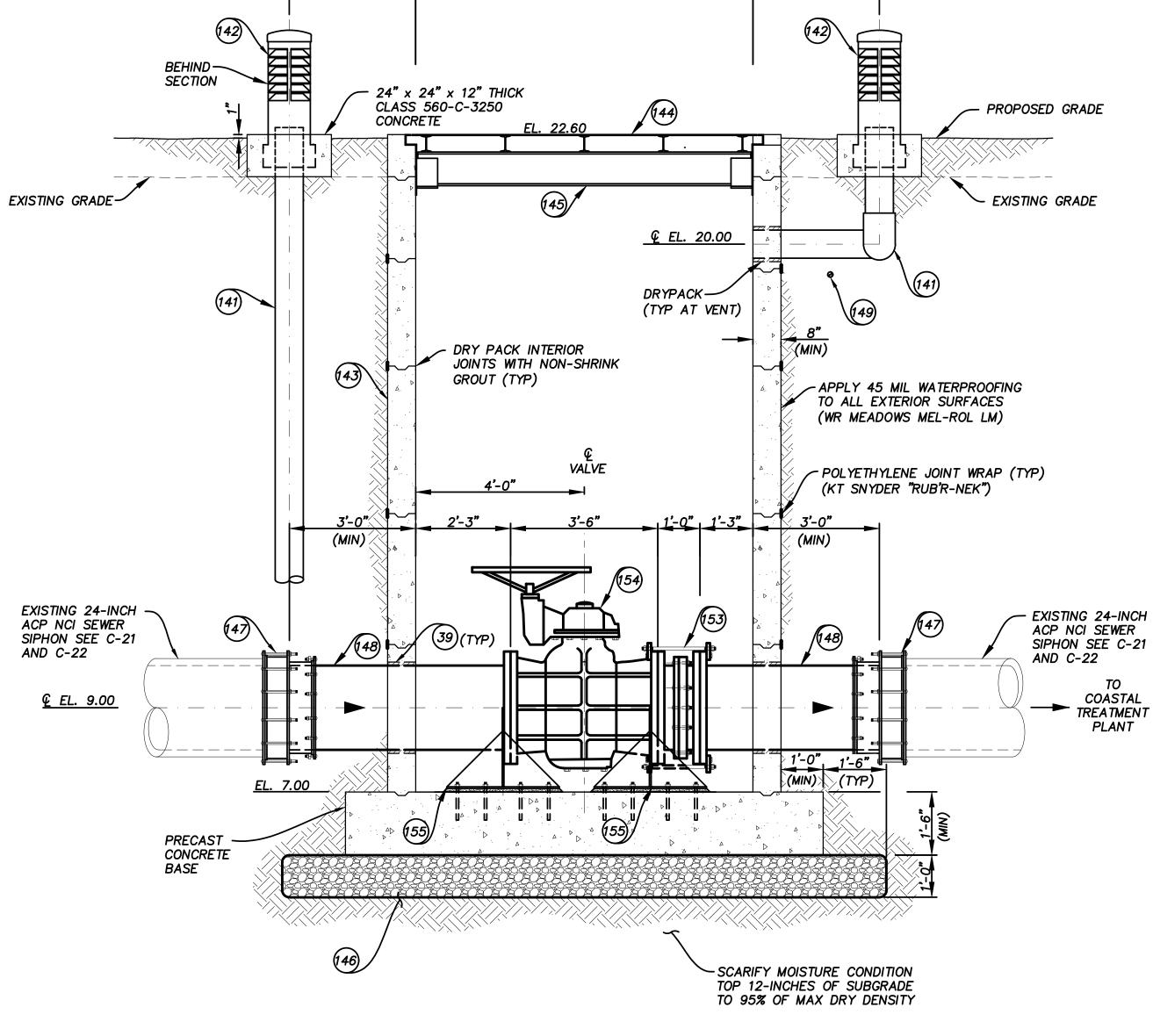
NORTH COAST INTERCEPTOR (NCI) VALVE VAULT PLAN SCALE: $\frac{1}{2}$ " = 1'-0"

CONSTRUCTION NOTES:

- (39) 316 S.S. WALL SLEEVE PER DETAIL (3)
- (141) 8-INCH, SCH 80 PVC, SOLVENT WELD VENT PIPE.
- (42) 12" Ø, LOW DENSITY POLYETHYLENE VENT STAND PIPE. (ARMORCAST P6002712).
- 8' x 8', PRECAST CONCRETE, H-20 TRAFFIC RATED VAULT, WITH EXTERIOR WATERPROOFING AND POLYETHYLENE JOINT
- 8' x 8', H-20 TRAFFIC RATED, SPRING ASSISTED, DOUBLE DOOR ALUMINUM HATCH, WITH DRAIN TROUGH, ODOR GASKET, SLAM LOCK, AND RECESSED PADLOCK HASP. (USF FOUNDRY THD).
 ROUTE TROUGH DRAIN TO SUMP WITH PVC SCH 80 PIPE AND 316 S.S. SUPPORTS. (DRAIN PIPE NOT SHOWN)
- (145) REMOVABLE ALUMINUM BEAM. DESIGN BY HATCH MANUFACTURER.
- 1" CRUSHED ROCK, WRAPPED IN MIRAFI 140N FILTER FABRIC.
- (47) SNAP CUT EXISTING 24-INCH ACP, JOIN EXISTING PIPE WITH 316 S.S., 24" ACP ROUGH BARREL x 24" SCH 40 STAINLESS STEEL, ALL 316 S.S. TRANSITION COUPLING (SMITH BLAIR STYLE 415 OR EQUAL).

APPROVED DATE

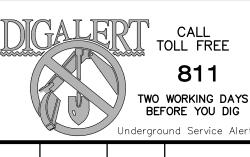
- (148) 24-INCH, SCH 40, 316 S.S., SEWER PIPE.
- 149) 11/2", SCH 80, PVC SOLVENT WELD SUMP PUMP DISCHARGE PIPE.
- 150) ½ HP, FLOAT ACTUATED SUMP PUMP (ZOELLER MODEL 95 OR EQUAL). SEE DETAIL 1.
- (151) 60 WATT LOW PROFILE LINEAR ALUMINUM LED FIXTURE WITH BATTERY BACKUP, CLASS 1 DIVISION 2 RATED. (KILLARK LAL 60-E13-30-D, 32.6 INCH LENGTH, WITH
- END CAPS, AND MOUNTING HARDWARE). (52) 316 S.S. LADDER WITH SAFETY POST PER DETAIL (2)
- (53) 24-INCH, ALL 316 S.S., RESTRAINED DISMANTLING JOINT (SMITH BLAIR STYLE 975 OR EQUAL).
- (154) 24-INCH, 316 S.S. TAPERED, LUBRICATED PLUG VALVE, WITH HANDWHEEL ACTUATOR AND POSITION INDICATOR (NORDSTROM FIGURE 4149 OR EQUAL).
- (155) 316 S.S. FLANGE TYPE PIPE SUPPORT PER DETAIL (3)



NCI VALVE VAULT SECTION SCALE: $\frac{1}{2}$ " = 1'-0"

SHEET NOTES:

- 1. PRECAST VAULT SHALL BE DESIGNED TO RESIST FLOATATION. ASSUME WATER SURFACE TO TOP OF VAULT.
- 2. SLOPE BASE OF VAULT TO DRAIN SUMP.
- 3. POTHOLE TO DETERMINE DEPTH AND LOCATION AND JOINTS OF EXISTING 24" NCI PRIOR TO SUBMISSION OF SHOP DRAWINGS.



BY

REV. DATE

CONTRACTOR SHALL NOTIFY
UNDERGROUND SERVICE ALERT
A MINIMUM OF 48 HOURS PRIOR
TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

DESCRIPTION

DESIGN J. LOAGUE DRAWN M. URIBE CHECKED Z. KAYIRAN

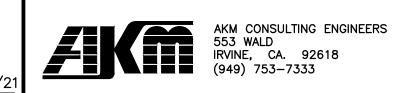
JULY 2021

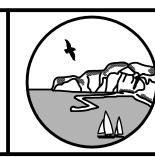
CONTRACT NO

022-02-000



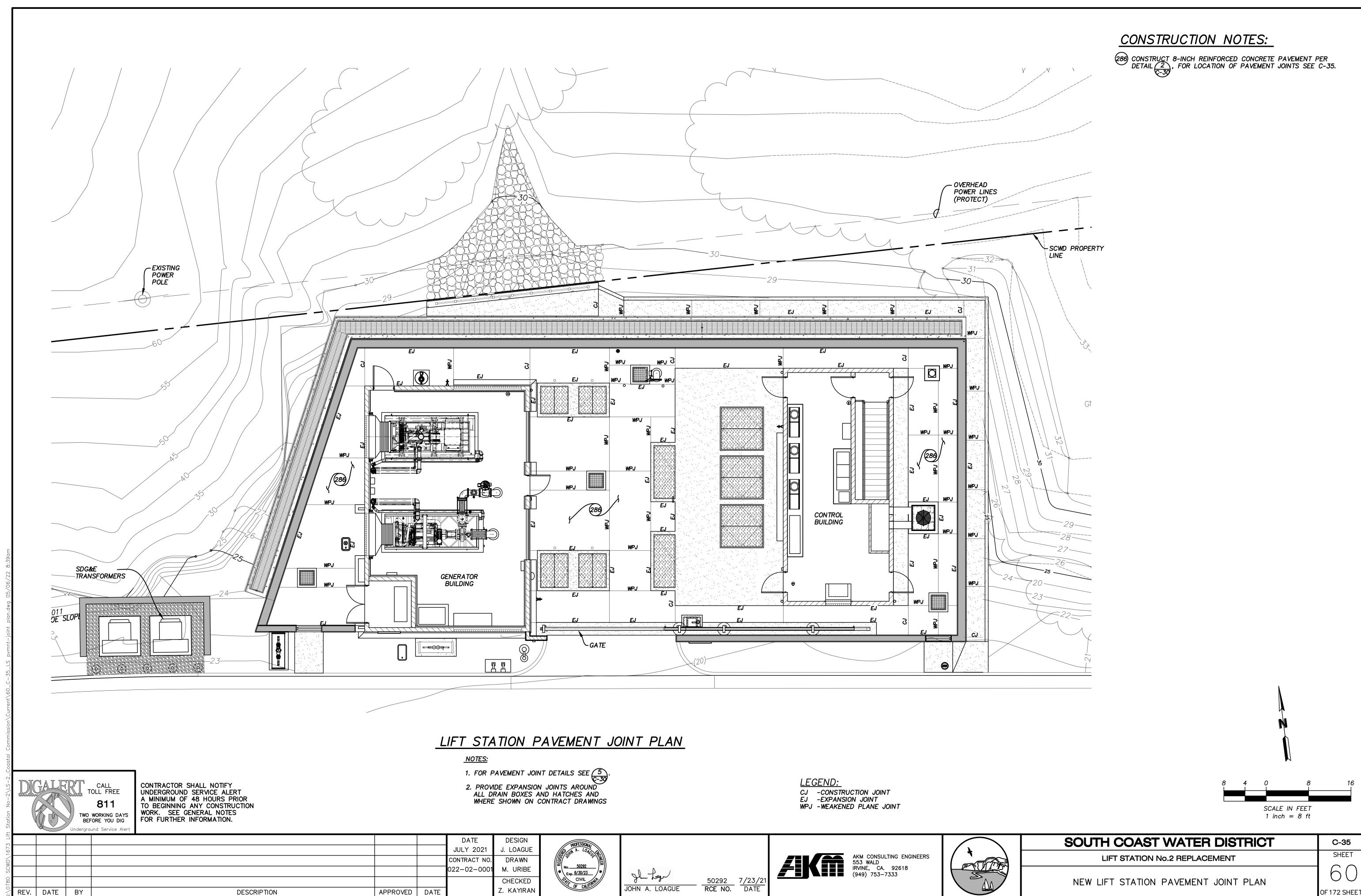
The Logar 50292 7/23/2 JOHN A. LOAGUE RCE NO. DATE



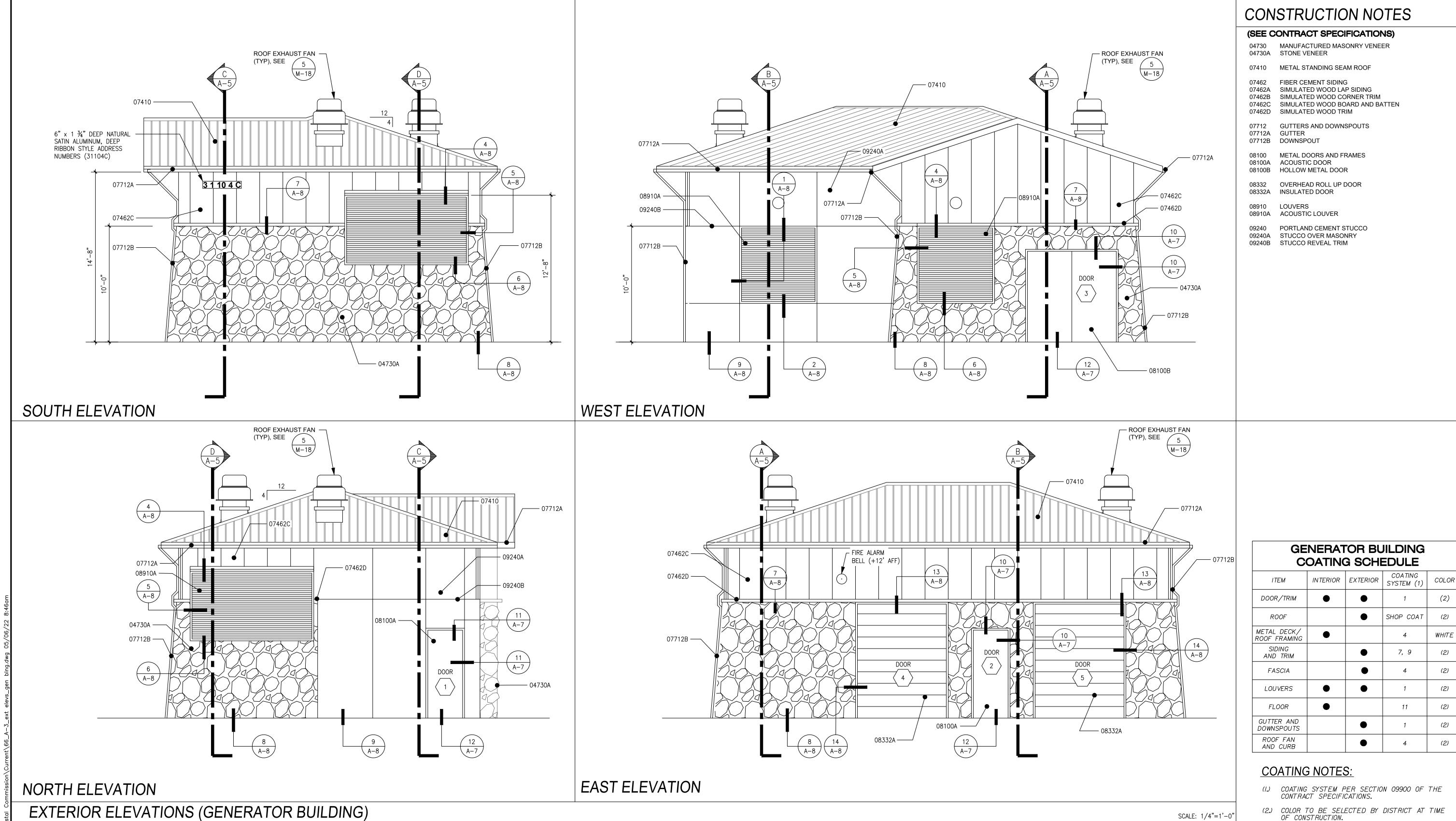


SOUTH COAST WATER DISTRICT	C-26
LIFT STATION No.2 REPLACEMENT	SHEET
NORTH COAST INTERCEPTOR VALVE VAULT PLAN AND SECTION	51
	OF 172 SHEETS

SCLS-15YY

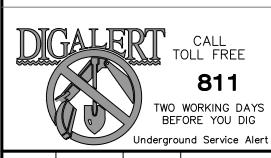


SCLS-15HHH



SCALE: 1/4"=1'-0"

(2,) COLOR TO BE SELECTED BY DISTRICT AT TIME OF CONSTRUCTION.



REV. DATE

CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION All Rights Reserved WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

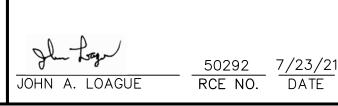
DESCRIPTION

ARCHITECTURE + PLANNING + CONSTRUCTION MANAGEMENT CRubio Medina, Architect 780 ROOSEVELT IRVINE, CA 92620 This document and the structure depicted herein are the copyrighted property of, and may not be reproduced in any form without the express written permission of, Rubio Medina, Architect P: 949 333.6030 F: 949 333.6100

JULY 2021	R. MEDINA	PROFESSIONAL SED CHIN N. LOAG
CONTRACT NO. 022-02-0001	DRAWN R. MEDINA	No. 50292 Exp. 6/30/23
	CHECKED J. LOAGUE	CIVIL OF CALIFO

APPROVED DATE



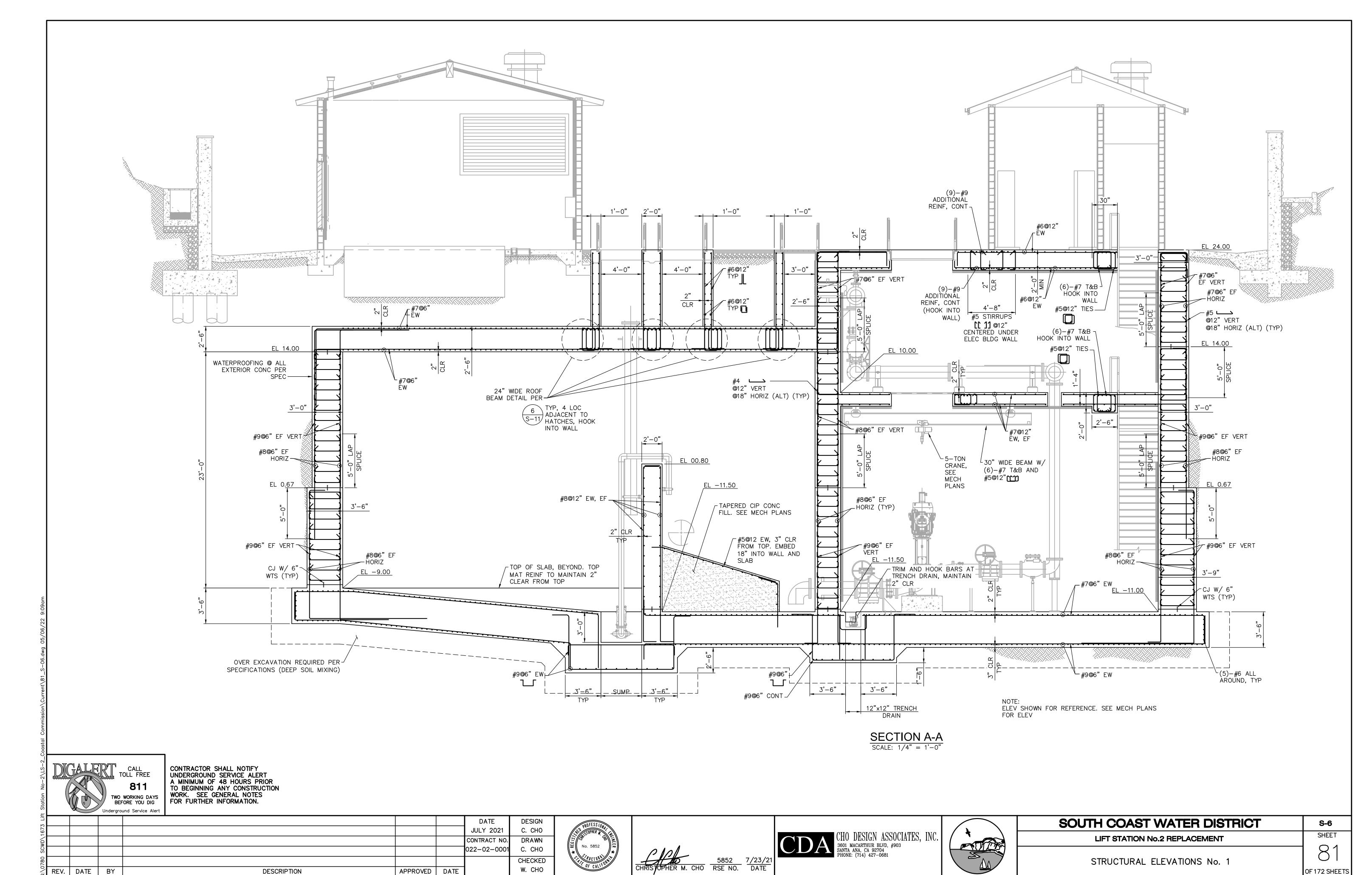




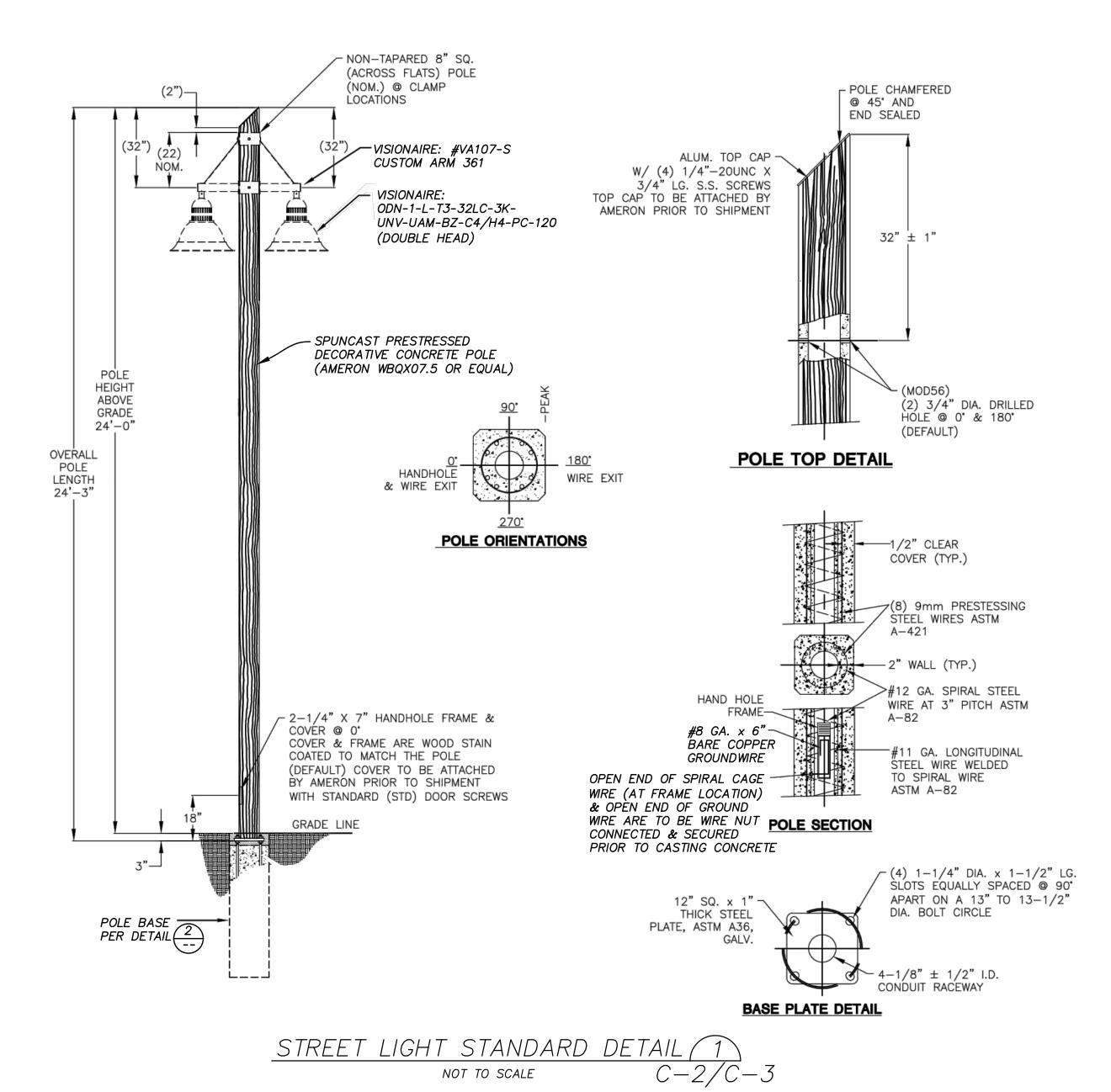


SOUTH COAST WATER DISTRICT
LIFT STATION No.2 REPLACEMENT
EXTERIOR ELEVATIONS (GENERATOR BUILDING)

SHEET



OF 172 SHEETS
SCLS-15CCCC

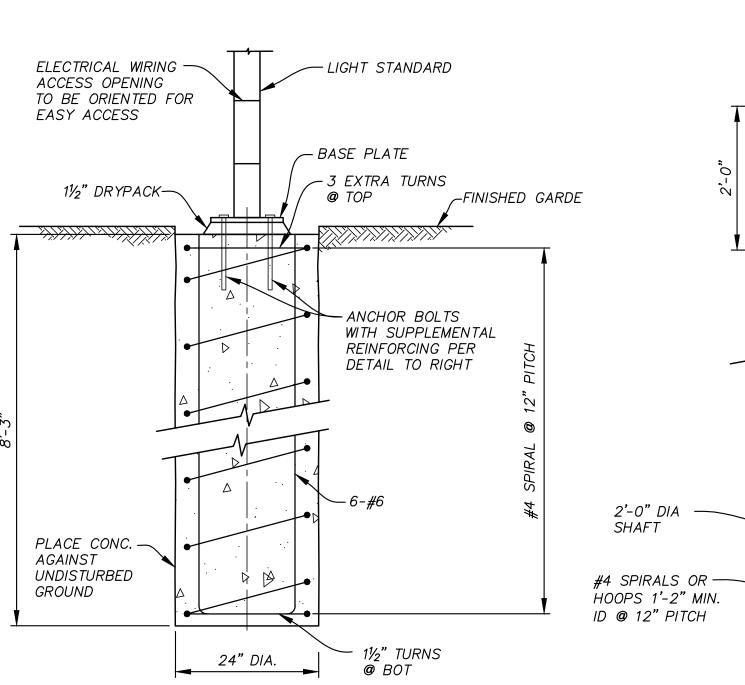


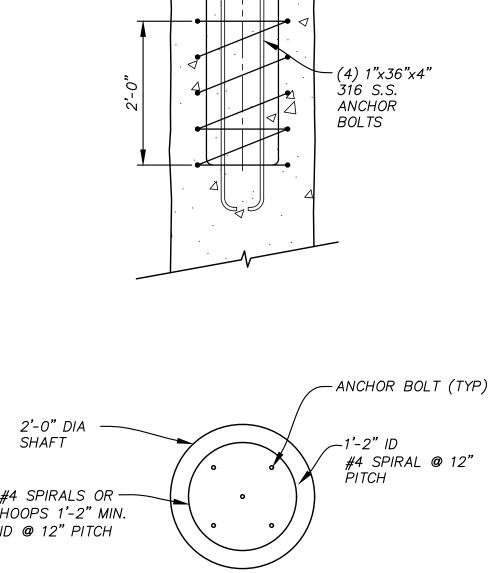
WOODGRAIN SQUARE POLE WITH BASEPLATE

POLE DESIG NATIO	_	OVERALL POLE LENGTH	POLE HEIGHT ABOVE GRADE	BOLT CIRCLE	POLE BASE (ACROSS FLATS)	ULTIMATE G.L. MOMENT (ftlbs.)	POLE WEIGHT (lbs.)
WBQX0	7.5	24'-3"	24'-0	13"	8"	26,000	1,500

NOTES:

- 1. MIX (511X) BROWN/NATURAL, MOLD RELEASE FINISH WITH WOOD STAIN COATING TO BE DETERMINED.
- 2. ASTM C-150 TYPE III GRAY CEMENT.
- 3. fc @ 28 DAYS = 7,000 PSI, USING SPUN CYLINDER TEST.
- 4. fc @ 28 DAYS = 5,000 PSI, USING ASTM C-31 CYLINDER TEST.
- 5. POLES MANUFACTURED PER ASTM C-1089-06 SPECIFICATIONS.
- 6. PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.



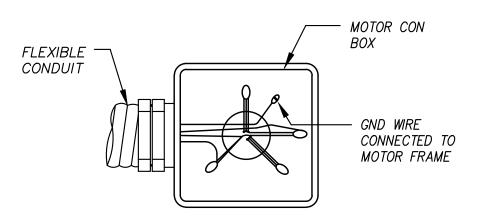


— LIGHT POLE

BASE

SUPPLEMENTAL CONFINEMENT REINFORCING





LUGGED AND BOLTED INSULATED WITH

1/2 LAPPED LAYER OF VARNISHED CAMBRIC

TAPE & TWO 1/2 LAPPED LAYERS OF VINYL

PLASTIC ELEC-TRICIANS TAPE WITH IRREGULAR

SURFACES PADDED PER SPEC

MAKE UP AT MOTOR 3
NOT TO SCALE TYPE

CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

CALL
TOLL FREE

811

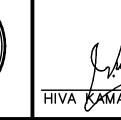
TWO WORKING DAYS
BEFORE YOU DIG

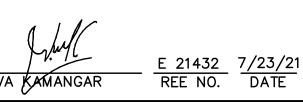
Underground Service Alert

CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.

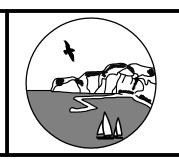
	Officer gro	and solvies merc					
					DATE	DESIGN	
					JULY 2021	DP	
					CONTRACT NO.		
					022-02-0001	DP	
						CHECKED	
DATE	BY	DESCRIPTION	APPROVED	DATE		HK	



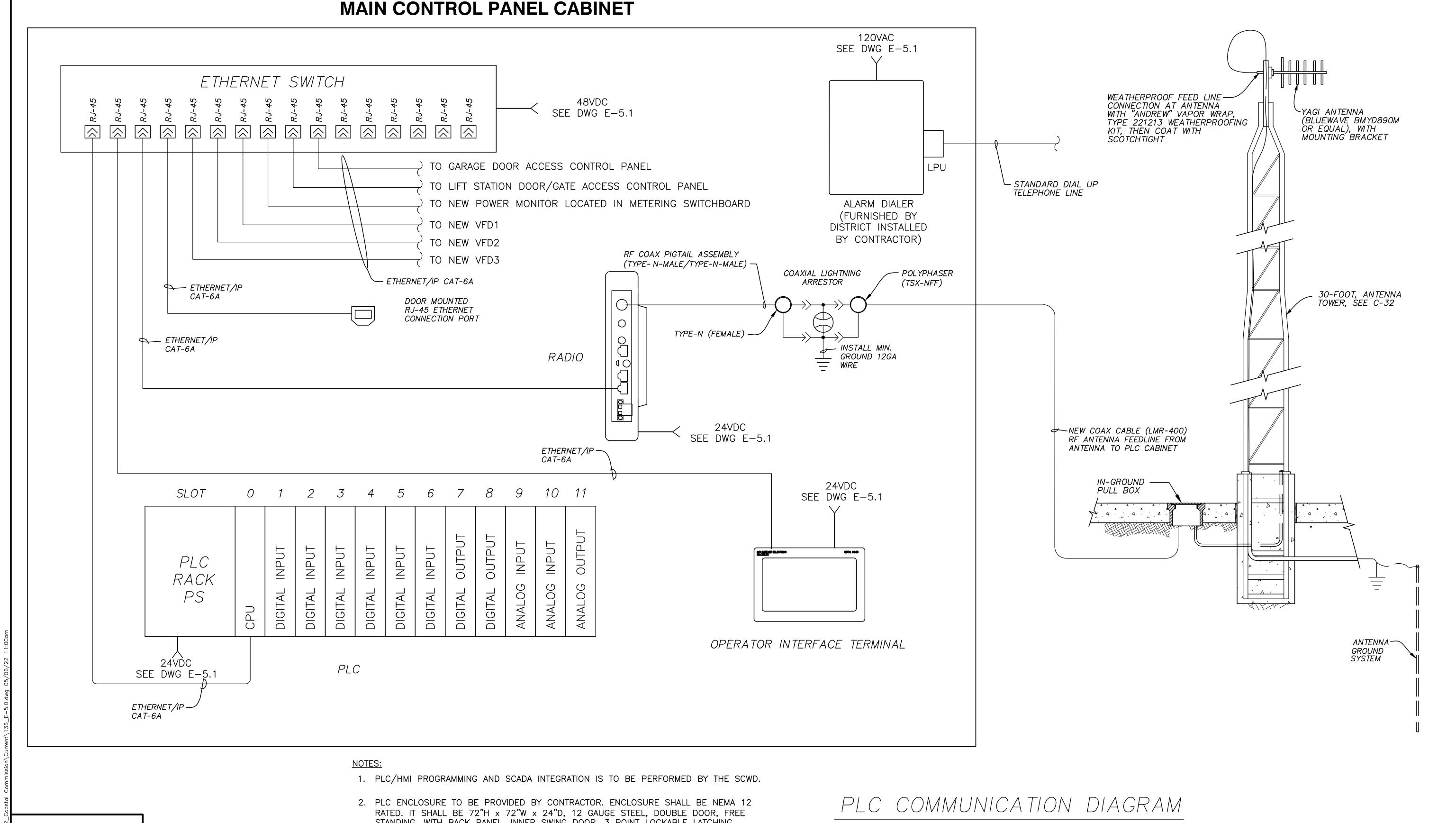




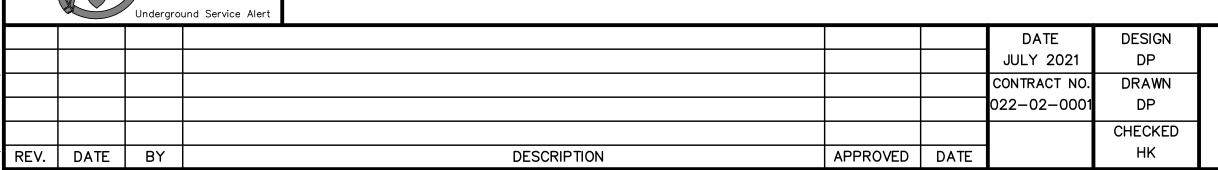




SOUTH COAST WATER DISTRICT	E-4.2
LIFT STATION No.2 REPLACEMENT	SHEET
STREET LIGHT STANDARD AND STREET LIGHT STANDARD FOOTING DETAILS	13



- STANDING, WITH BACK PANEL, INNER SWING DOOR, 3 POINT LOCKABLE LATCHING MECHANISM, LED LIGHT, AND VENTILATION FANS. SEE E-5.2
- 3. SUBMIT PLC CABINET LAYOUT DRAWING TO SCWD FOR APPROVAL.

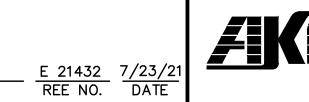


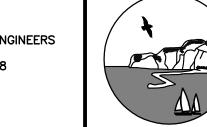
CONTRACTOR SHALL NOTIFY
UNDERGROUND SERVICE ALERT
A MINIMUM OF 48 HOURS PRIOR
TO BEGINNING ANY CONSTRUCTION

WORK. SEE GENERAL NOTES FOR FURTHER INFORMATION.









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SOUTH COAST WATER DISTRICT	E-5.0
LIFT STATION No.2 REPLACEMENT	SHEET
PLC NETWORK COMMUNICATION DIAGRAM	136
	OF 172 SHEETS



Taryn Kjolsing, P.E.
Principal Engineer
South Coast Water District
31592 West Street
Laguna Beach, CA 92651-6907

November 30, 2021

Dear Taryn:

Thank you for inviting Laguna Greenbelt, Inc. to be a co-applicant with South Coast Water District (SCWD) for the Lift Station 2 Project Coastal Development Permit. The Laguna Greenbelt is a non-profit organization with a long-standing history of conserving open space and restoring natural habitats in and around Laguna Beach. Our mission focuses on the preservation and acquisition of natural resources -- including upland habitats, fresh and sea water resources, marshlands, and the plants and animals native to them. Our projects and programs reflect the relatively narrow focus of our mission. For this reason, while we support SCWD's efforts to enhance wastewater services within its service area and support the goals and intent of the Lift Station 2 Project, including the City of Laguna Beach's associated Intertie Project, the role of a project proponent for a wastewater facilities project falls outside the scope of our mission. We therefore respectfully decline the invitation to be a co-applicant to the Lift Station 2 Project.

However, as the landowner of open space immediately adjacent to SCWD's property and the site of the Lift Station 2 project and recognizing the alignment of our mission with SCWD's commitment to environmental stewardship, we acknowledge the need for entering into an active partnership with SCWD to ensure fulfillment of our respective goals. Rather than coapplicants, we propose that SCWD and Laguna Greenbelt collaborate as co-stewards of the natural resources within our respective properties for the benefit of the general public.

The property in our ownership is a 6.09-acre parcel of open space occupied by high quality coastal sage scrub and maritime chaparral habitats. It includes viable habitat for the California gnatcatcher and other protected species. Our property is contiguous to the regionally significant network of protected habitat that extends as far north as the I-5 Freeway and includes conservation areas in the City of Irvine, Laguna Laurel Regional Park, Sycamore Hills,

the Aliso and Wood Canyons Wilderness Park, the Irvine Coast Wilderness and Crystal Cove State Park. It augments and is a part of the central preserve system of South-Central Orange County. In the relatively near future, we look forward to the further enhanced habitat value of our property that would occur with restoration of the Aliso Estuary ecosystem as a result of the connectivity of the restored estuary with the upland habitat in our ownership. The linkage of estuarine and terrestrial upland habitats at this location has regional importance. It is the only location along the Laguna Coast where the Laguna Greenbelt and the Laguna Bluebelt can regain the direct connectivity that once existed all up and down the coast.

The 1.2-acre SCWD property bordering our property to the south is uniquely positioned between two regionally significant natural resource areas. As such, the current and future use and activities on the SCWD site are a potential source of deleterious edge effects on the immediately adjacent habitats to the north and the south. Edge effects commonly derive from facilities and activities that generate noise, exterior lighting, vehicular traffic, and associated buildings, fences and hardscape that create barriers to wildlife movement. Offsite impacts such as drainage and runoff can also modify natural conditions and thereby reduce and/or degrade protected habitats.

A well-defined collaboration of SCWD with Laguna Greenbelt should address these priority needs:

- Avoid any adverse effects of the Lift Station 2 Project on Laguna Greenbelt-owned habitat.
- 2. Reduce adverse edge effects of existing SCWD activities and facilities on the adjacent habitat in our parcel to the maximum extent feasible.
- 3. Collaborate to restore wildlife linkages between the upland terrestrial habitats north of SCWD's property and the riparian and estuarine habitats of Aliso Creek.
- 4. Coordinate with the Aliso Estuary Restoration Planning Team to facilitate restoration of the estuarine ecosystem and optimize the restoration's ability to enhance adjacent terrestrial and coastal habitats.
- 5. Partner with others (e.g., State Coastal Conservancy, City of Laguna Beach, other NGOs) to develop long-term strategies to address the management of properties adjacent to sensitive natural and restored ecosystems in a manner that is compatible with critical public services and infrastructure.
- 6. Address the encroachment and modifications to the Laguna Greenbelt property proposed as part of the Lift Station 2 Project and necessary agreements and entitlements.

Thank you once again for reaching out to Laguna Greenbelt and extending the invitation to partner with SCWD. We look forward to defining next steps to develop our partnership in a manner that realizes our respective and shared goals.

Very truly yours,

Norm Grossman

President

Laguna Greenbelt, Inc.

CC:

Wendy Jung, City of Laguna Beach
Amber Dobson, California Coastal Commission
Chiara Clemente, San Diego RWQCB
Joel Gerwein, State Coastal Conservancy
James Dinwiddie, Fifth District Supervisor, County of Orange

Taryn Kjolsing, P.E.
Principal Engineer
South Coast Water District
31592 West Street
Laguna Beach, CA 92651-6907

The Laguna Greenbelt, Inc. is a non-profit organization with a long-standing history of conserving open space and restoring natural habitats in and around Laguna Beach. Our mission focuses on the preservation and acquisition of natural resources -- including upland habitats, fresh and sea water resources, marshlands, and the plants and animals native to them. Our projects and programs reflect the relatively narrow focus of our mission.

As stated in our letter dated November 30, 2021, we support South Coast Water District's efforts to enhance wastewater services within its service area and support the goals and intent of the Lift Station 2 Project. including the City of Laguna Beach's associated Intertie Project but we declined the invitation to be a co-applicant to the Project as it is beyond the focus of our mission. Nevertheless, we are eager to partner with the District in a way that honors our respective missions, advances our common goals to act as stewards of public resources, and enables construction of the lift station to move forward.

The 6.09-acre property of natural habitat owned by Laguna Greenbelt immediately north of the District's 1.2-acre property includes high quality coastal sage scrub and maritime chaparral and is classified as the City as a Water Quality Environmentally Sensitive Area (WQESA). As stated previously, the regional significance of our property is its role as a link to the regionally significant network of protected habitat that extends from South Laguna as far north as the I-5 Freeway and then to the Cleveland National Forest.

Our property includes a natural drainage course that the District proposes to modify with a grouted rock channel. In addition to channelizing the natural drainage, the District would periodically inspect and maintain the channel, remove debris after rain events, and occasionally remove or relocate rocks to maintain and repair the channel. The District proposes to access our property to construct and maintain the channel from the District's adjacent property and requests Laguna Greenbelt's consent to such access and encroachment.

Laguna Greenbelt is willing to consent to the encroachment and grant long-term access to the District, subject to certain conditions (some of which were itemized in our November 30, 2021, letter) to be set forth in an agreement and/or an easement or license negotiated with the District and mutually acceptable to both parties.

Of the priorities listed in our November letter, several address site specific impacts to the drainage channel. Others cite the need for collaboration with the District to address existing impacts on habitat value and wildlife mobility resulting from uses on the District property and the site's key position adjacent to regionally important habitat resources. The Laguna Greenbelt has long been a strong supporter of the project to restore the Aliso Creek Estuary (see Laguna Greenbelt letter, September 2014, attached). As noted in our previous letter, restoration of the estuary's natural habitat would greatly enhance and restore the habitat value of our upland habitat, which was once seamlessly connected to the estuary without barriers or activities that

inhibit wildlife movement. In its current state, the District property presents nearly continuous barriers to wildlife movement, in the form of buildings, fences and hardscape.

The regional importance of habitats on our property, and its regionally significant location, lead us to deliberate very carefully when considering incursions and activities of adjacent land uses. Our mission, like that of the District, binds us to act in the interest of the public, whose threatened resources we hold in trust. Our hope is that the District, led by its Vision of "unsurpassed environmental stewardship" and a visionary Board of Directors, will partner with Laguna Greenbelt and others to develop a long-range plan to restore wildlife connectivity to the restored estuary from the adjacent upland Laguna Greenbelt property. The partnership we envision would enable South Coast Water District to develop a legacy of stewardship that recognizes the uniqueness of the site it currently occupies and its importance to public resources.

We look forward to working with South Coast Water District's Board of Directors in defining a partnership that benefits the citizens and ratepayers of South Laguna and ensures the health of natural ecosystems for years to come.

Very truly yours,

Norm Grossman

President

Laguna Greenbelt, Inc.

CC

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Meg Vaughn, California Coastal Commission Dave Shissler, City of Laguna Beach

Attachment: Laguna Greenbelt Letter, September 12, 2014



Laguna Greenbelt, Inc.

a non-profit corporation

September 12, 2014 Douglas Bosco, Chair State Coastal Conservancy 1330 Broadway, Suite 1300 Oakland, CA 94612

SUBJECT: Aliso Creek Estuary Restoration Planning: Support

Dear Mr. Bosco:

Laguna Greenbelt, Inc., is a long time grassroots organization, dedicated for 46 years to the preservation of natural lands in Orange County, especially in the coastal canyons near Laguna Beach. Aliso Canyon is the southernmost canyon of a 22,000-acre ecosystem reserve, the Laguna Greenbelt.

We have long hoped for the restoration of Aliso Creek and its historic wetlands. Over the last 50 years, the Aliso Creek watershed has been extensively developed, and the creek shortened by straightening and channelizing. The estuary was significantly degraded and the coastal wetlands largely disappeared. The creek is actively down cutting, and eroding its banks. All prior creek projects, potential and actual, were about hardscape 'improvements' to protect pipes in the creek bed. The Aliso Creek Estuary Restoration Planning is different, and will focus on a plan to restore coastal wetlands – habitats for coastal wildlife, including the Tidewater Goby and other fish.

We enthusiastically support Laguna Ocean Foundation's proposal to develop a plan to restore the mouth of Aliso Creek to its historical state as a healthy estuary.

The coastal creeks link the protected upland ecosystems to the recently established Laguna State Marine Reserve; a 'Bluebelt' to complement the 'Greenbelt.' As part of the local community, we look forward to participating in the consensus process that will determine the ultimate science-based plan.

We appreciate the opportunity to submit these comments. Please keep us informed about this issue via email, at lagunagreenbelt@gmail.com., or by telephone at the number below.

Sincerely,

Elisabeth Brown, PhD

Glisabath Brown

President



March 23, 2021

VIA EMAIL

Zach Rehm, District Supervisor zach.rehm@coastal.ca.gov

Subject: Consolidated Coastal Development Permit Process for Proposed South Coast Water District ("District") Lift Station No. 2 Replacement Project

Dear Mr. Rehm:

As a follow-up to the March 16, 2021 meeting between the City of Laguna Beach ("City"), California Coastal Commission ("Commission") and District staff, this letter serves to memorialize that the City and the applicant, South Coast Water District, consent to the processing of a consolidated coastal development permit by the Commission pursuant to Public Resources Code 830601.3 for the District's proposed Lift Station No. 2 Replacement Project. The Project site is located on Country Club Drive north of Aliso Creek within the City of Laguna Beach, about 20 feet above mean sea level, and approximately 750 feet east of the coastal shoreline. The existing Lift Station No. 2 is located at 31104 Country Club Drive.

Please contact Wendy Jung, Senior Planner, with any questions you may have at 949-497-0321 or by email at wjung@lagunabeachcity.net.

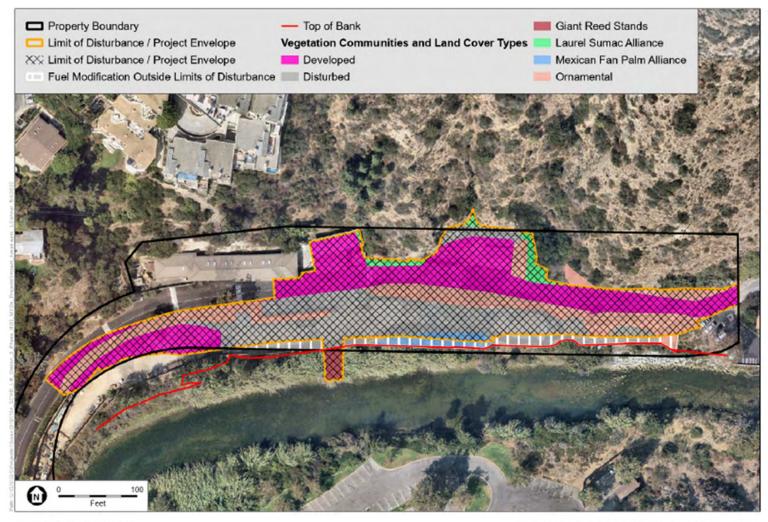
Sincerely,

Marc Wiener, AICP

Marc Wiener

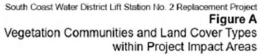
Director of Community Development

Cc: Amber Dobson, District Manager, California Coastal Commission Taryn Kjolsing, Principal Engineer, South Coast Water District David Shissler, Director of Water Quality, City of Laguna Beach Scott Drapkin, Planning Manager, City of Laguna Beach Wendy Jung, Senior Planner, City of Laguna Beach



5-21-0910 SCWD Vegetation Communities Map Exhibit 6

SOURCE: NearMap/Mapbox, 2020.







May 3, 2022

Ms. Meg Vaughn California Coastal Commission 301 E. Ocean Blvd., Suite 300 Long Beach, CA 90802

Dear Ms. Vaughn:

The Aliso Estuary Restoration Plan, begun in 2014, seeks to transform the degraded estuary of Aliso Creek in Laguna Beach to a healthy ecosystem and public resource. The project is supported by the Southern California Wetlands Recovery Project and its member agencies and organizations (CCC, CDFW, SWRCB, USFWS, State Lands Commission and CalEPA, among others). The project is also supported by the City of Laguna Beach and a host of NGOs (Surfrider Foundation, Coast Keeper, Laguna Bluebelt, Laguna Greenbelt, South Laguna Civic Association, Friends of Harbors, Beaches and Parks, Endangered Habitats League, and others.)

The Aliso Estuary Conceptual Restoration Plan was shared with stakeholders in 2018. Supported by funds from the State Coastal Conservancy and USFWS, the plan is currently undergoing refinement to ensure that it will fully achieve restoration objectives as defined by the project's Science Advisory Team, and that it is compatible with existing and future land uses neighboring the estuary. The restoration planning team has actively sought to facilitate a coordinated planning process with three other projects in the vicinity: South Coast Water District's Lift Station 2 Project; the City of Laguna Beach Intertie Project; and The Ranch Resort's desire to provide safe and scenic access to their site with a road that conforms to its legally defined access easement. As currently proposed, all three of these projects are interrelated in terms of their site requirements and approval process. All three projects border the estuary in an area that is also shown in the restoration plan for public access facilities associated with the restored estuary.

The restoration site plan we developed in September 2021 in response to input from landowners in April 2021, shows a new access road to The Ranch within the legal easement. The plan also responds to the site in ways that seek to optimize public access and the visitor experience of the restored estuary, given the site's several constraints. The September 2021 plan (attached) shows a pedestrian path nearest to the estuary, with the access road aligned to the north and parallel to the path. Public parking (to partially replace parking removed from the existing parking lot south of the estuary which occupies former estuary habitat) would be sited between the pedestrian path and



the access road in small pockets to reduce obstruction of the view from the road to the restored estuary. Our site design process anticipates an alignment of the Ranch access road in its easement. We believe that realignment of the road to conform to its easement is not problematic for the restoration of the estuary.

In late 2021 and early 2022, the restoration design team met with SCWD staff in an effort to reconcile potential incompatibilities between the restoration plan and SCWD's proposed site plan. Those discussions were not the early collaborative planning process we had sought; rather, they focused on the site plan SCWD had developed independently of our planning process and which is the subject of their current application. Through those discussions, our planning team developed an alternative site plan (attached) that conforms to SCWD's proposed site plan. The SCWD staff has stated that this alternative design does not conflict with their plan or their existing facilities. While the alternative design appears to satisfy SCWD staff, the plan results in a reduction in public parking (in response to SCWD's position that parking cannot be allowed over underground pipelines).

A refined restoration plan has yet to be shared with all stakeholders and to be subject to the CEQA process. At this stage, the restoration planning team can restate what we have expressed multiple times to all stakeholders: we hope to see all four projects reach a compatible and timely completion. We think it is important for public resources and community facilities that the SCWD enhance its lift station capacity and that the intertie be built. We support a road alignment that provides safe and scenic access of the restored estuary to The Ranch and conforms to the established easement. We support a coordinated planning process and believe it is only through such a process that all Coastal Act objectives will be met.

Sincerely yours,

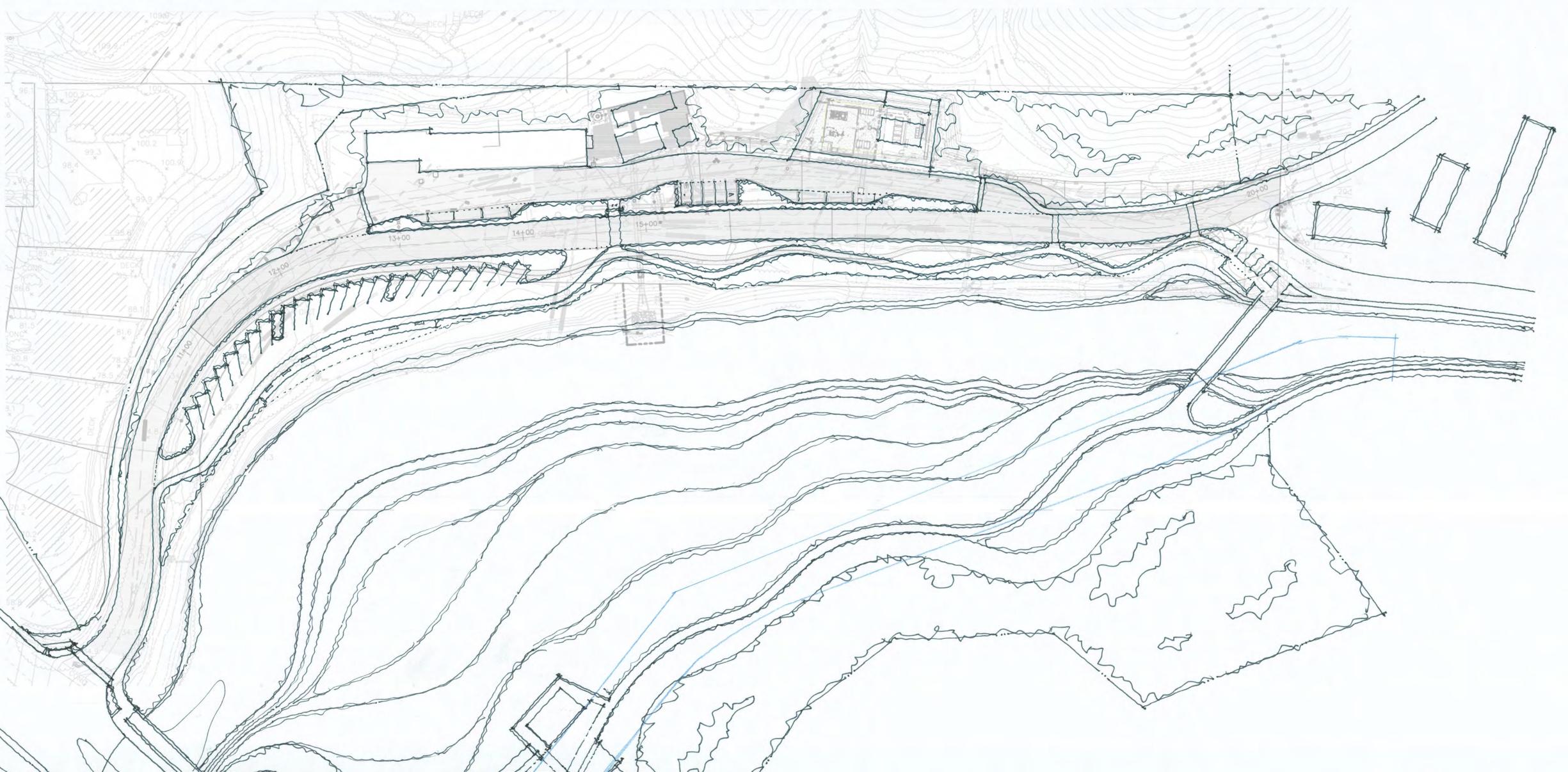
Ed Almanza, Vice Chair Laguna Ocean Foundation

E. Almenge

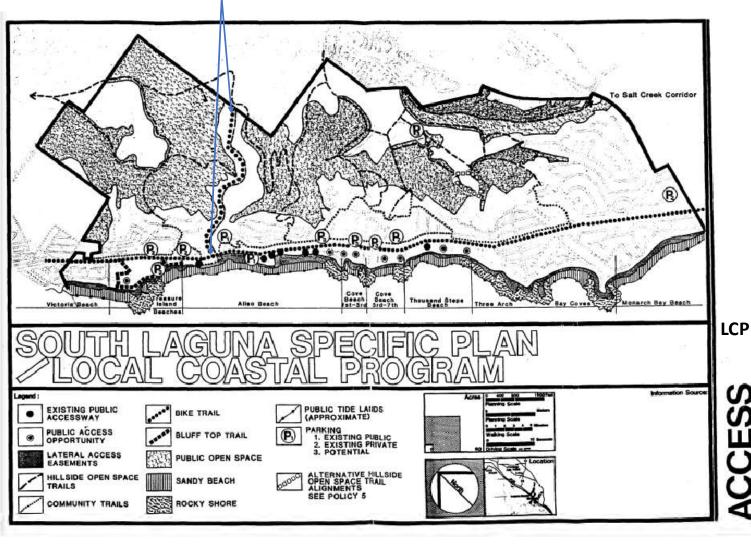
Attachments: September 2021 and February 2022 site plans

REFINED RESTORATION SITE PLAN - September 1, 2021





Aliso Canyon Trail



5-21-0910 SCWD LCP Open Space Conservation Element South Laguna Trails Map Exhibit 8

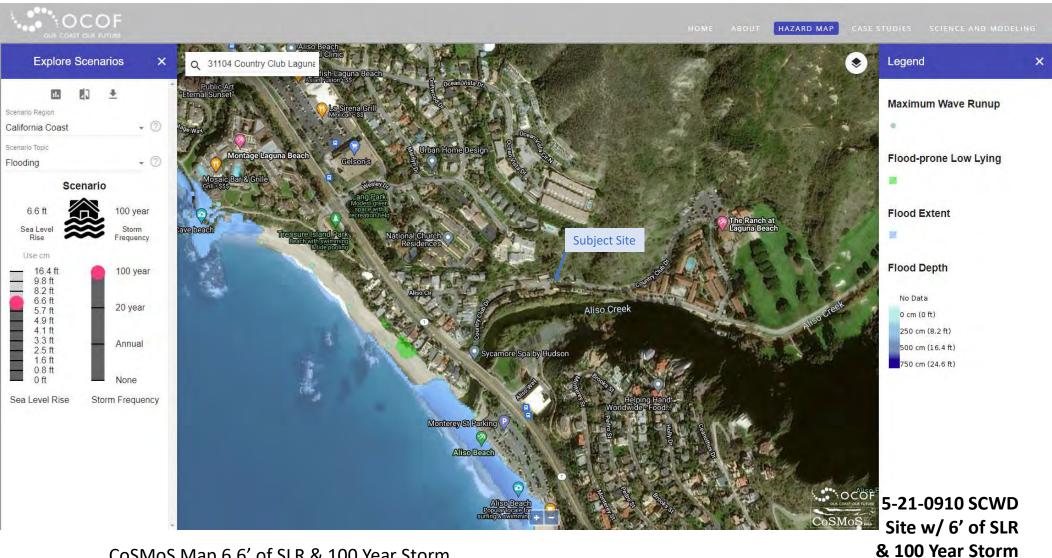
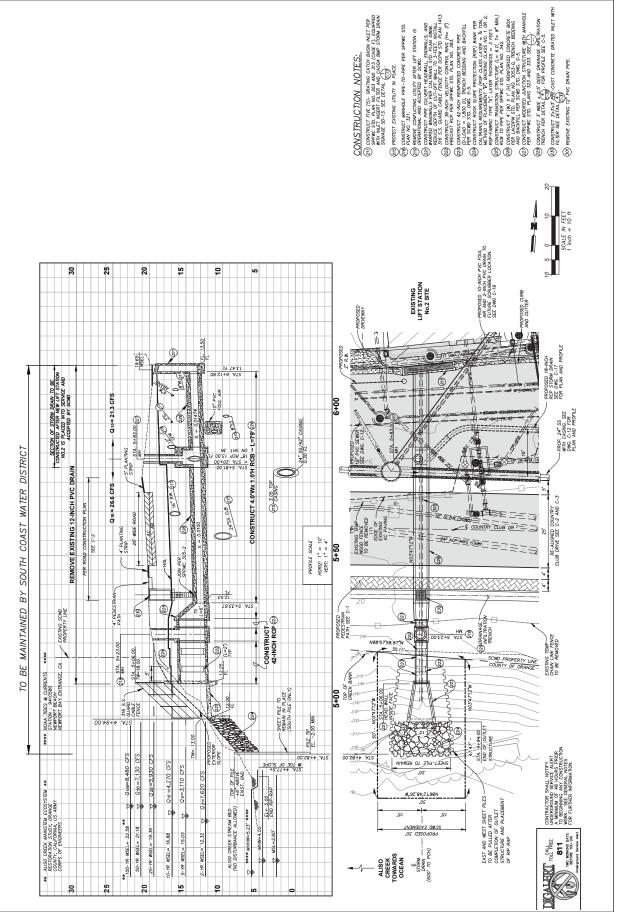


Exhibit 9

CoSMoS Map 6.6' of SLR & 100 Year Storm

5-21-0910 South Coast Water District (SCWD)

EXHIBIT 10



SOURCE: AKM Consulting Engineers, 2021