CALIFORNIA COASTAL COMMISSION

SOUTH COAST DISTRICT OFFICE 301 E. OCEAN BLVD., SUITE 300 LONG BEACH, CA 90802-4830 (562) 590-5071



Th13d

5-23-0397 (City of San Clemente) November 16, 2023

EXHIBITS

Exhibit 1 – Vicinity	Map and	Project	Site
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Exhibit 2 - Project Plans

Exhibit 3 – City Sewer Run

Exhibit 4 – Storm Drain Restoration (In-Kind) Alternative

Exhibit 5 – Storm Drain Realignment Alternative

Exhibit 6 – Existing Sewer Lift Station Rehabilitation Alternative

Exhibit 7 – Sewer Lift Station Relocation (For a Single Lift Station) Alternative

Exhibit 8 – Sewer Lift Station Relocation (For Two Lift Stations) Alternative

Exhibit 9 – Coastal Hazards Figures with "Hold the Line"

Exhibit 10 – Coastal Hazards Figures without "Hold the Line"



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California Coastal Commission 5-23-0397 Exhibit 1

Page 3 of 3

PROJECT NOS. 12004 AND 12210

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS OF THE CITY OF SAN CLEMENTE GRANGE COUNTY CONTROL OF THE CITY OF SAN CLEMENTE GRANGE COUNTY CONTROL OF THE CITY OF SAN CLEMENTE GRANGE COUNTY CONTROL OF THE CITY OF SAN CLEMENTE GRANGE COUNTY CONTROL OF THE CITY OF THE
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS ALL MONUMENTS SHALL BE SET IN ACCORDANCE WITH THE RECORDED TRACT MAP AND THE REQUIREMENTS OF THE CITY ENGINEER.
- THE STRUCTURAL SECTIONS SHALL BE RECOMMENDED BY A GEOTECHNICAL REPORT AND SUBMITTED TO THE CITY OF SAN CLEMENTE FOR APPROVAL UPON COMPLETION OF ROUGH GRADING, MINIMUM STRUCTURAL, SECTION SHALL BE 4" A.C. OVER 7"
- ALL DISTING STRUCTURES AND SUSTRUCTURES SHOWN ON THESE PLANS ARE FROM ANALIASE, ERCORDS, IT IS THE RESPONSIBILITY OF THE CONTRACTION OF VERPIT HELD COLONION OF SHIP STRUCTURES AND STRUCTURES AND SUSTRICTURES AND SHOTECT THEM IN PLACE WHETHER OR NOT SHOWN ON THESE PLANS.

 OUTTIES WITH LESS THAN 25 GROWED SHALL SE WATER CHECKED DUSHON TO MAND TO ANDID PRODRING.
- CURB AUGNMENT AND GRADE SHALL NOT DEVIATE FROM PLANS MORE THAN 0.02 WITHIN A 5' INTERVAL
- WORKING HOURS FROM 8:00 AM TO 4:30 PM, MONDAY THROUGH FRIDAY, EXCEPT CITY HOLIDAYS, SHALL BE MAINTAINED. ANY EXCEPTIONS SHALL BE PER CITY ENGINEER'S APPROVAL.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT INCLUDING SHAFTY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTRACTOR AGAIN. LEFERD, AND THAT THE CONTRACTOR AGAIN. LEFEND, AND THAT THE CONTRACTOR AGAIN. LEFEND, CONTRACTOR AGAIN. LEFEN

- CONTRUCTOR SHALL PROVIDE A QUIENT SEAL OF EARL SHIPLD ASPHALT GRADE SS-HHAPPLED AT THE RATE OF 0.1 TO 0.2 GALLON FOR SOLURED AND RECORDING THE CITY BROWNERS AND ASPHALT PROVIDED SLID. STEPL ANT IS SECURED UNDER ALL INDIVIDENCE TO PROVIDENCE SCID. STEPL ANTI SECURED HORSE ALL INDIVIDENCE ASPHALT PROVIDENCE ASPHALT PR
- DESIGN ENGINEER SHALL CERTIFY ALL LINES AND GRADES PER APPROVED PLANS.
- CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE.

DISCHARGES OF MATERIAL OTHER THAN STORMANTER ARE ALLONED ONLY THEN NECESSARY FOR PREFORMANCE AND COMMETTING FOR STRUCTURE AND WHERE THEY DO NOT CAUSE OR CONTRIBUTED A POLICIAL SHAD WHERE THEY DO NOT CAUSE OR CONTRIBUTED A VIOLATION OF ANY WATE COULD IT STRANGED, CAUSE OR THEATEN TO CAUSE POLILITION, CONTAMINATION, OR NISSANCE, OR CONTAIN A HAZARDOUS SUSSIMACE IN A QUANTITY REPORTAINED UNCERT REPORT REQUILITION AS OFF PARTS 11 THAT DOS

POTENTIAL POLLUTANTS INCLIDE BUT ARE NOT LIMITED TO SOLID OR LICUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES PESTICIPES, HERBIGIDES, WOOD PRESENTANTES AND SOLIVENTS, ASBESTOS PIBERS, PAINT FLAKES OR STUCCO PROMOBINS FUELD, SILLS, LIBIGANTS, AND HONDALLIC PAILLATOR OR BATTERY FULIDS. FERRILIZERS, VEHICLEECL/JPHENT WASH WATER AND CONCRETE WASH WATER, CONCRETE, DETERGENT OR FLOATABLE WASTES, WASTES FROM ANY ENCINE CHEMICAL STATEMENT OF THE ALL THE AND THE ANY ENCINE CALIFORNIST STEAM CLARING OR CHEMICAL SOCKERAINS, AND SUPPRECINCIPANTED FOR DELEX WATER LINE

DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUN-OFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE MOY FEDERAL REQUIREMENTS.

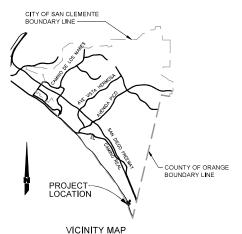
DEWATERING ON CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS YIA SURFACE EROSION IS PROHIBITED DEWATERING OF NON-CONTAMINATED GROUNDWATER REGIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMI FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.

1 (800) 277-2600

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
C-1	REMOVAL PLAN
C-2	GRADING PLAN
C-3	GRADING SECTIONS
C-4	GRADING DETAILS
SD-1	STORM DRAIN PLAN AND PROFILE
SD-2	STORM DRAIN PLAN AND PROFILE
SD-3	STORM DRAIN PLAN AND PROFILE
SD-4	STORM DRAIN OUTLET STRUCTURE DETAILS
SS-1	SEWER LIFT STATION AND CONDUIT PLAN
SS-2	CONEX ENCLOSURE AND DETAIL
SS-3	SEWER FORCE MAIN PLAN





NOTICE TO CONTRACTOR

NOTIFY THE FOLLOWING COMPANIES 48 HOURS PRIOR TO CONSTRUCTION FOR UTILITY

UNDERGROUND SERVICE ALERT

DIGALERT

- SAN DIEGO GAS & ELECTRIC 1 (858) 547-3335 1 (714) 634-5067
- SOUTHERN CALIFORNIA GAS COMPANY COX COMMUNICATIONS 1 (949) 546-2754 SOUTH COAST WATER 1 (949) 499-4555

DIAL TOLL FREE

811

ACCEPTANCE OF PLANS/SPECIFICATIONS

THE CITY OF SAN CLEMENTE HERERY ACCEPTS THESE PLANS/ SPECIFICATIONS FOR THE CITY OF SAN CLEMENTE HEREBY ACCEPTIST THESE PLANS SPECIFICATIONS FOR CONSTRUCTION, AS BEIND IN OBERTAL COMPLIANCE WITH APPLICABLE STATUTES, CODES, STANDARDS OR CUDELINES, RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE PLANS SPECIFICATIONS AND ELECTRED RESIGNS, AND CONFORMANCE OF APPLICABLE STATUTES, CODES, STANDARDS OR GUDELINES, RESIDES WITH THE ENGINEER AND EXPLORED RESIDES WITH THE ENGINEER AND ENGINEERS AND EXPLORED RESIDES WITH THE ENGINEER AND EXPLORED.

KIEL KOGER, P.E. PUBLIC WORKS DIRECTOR / CITY ENGINEER CITY OF SAN CLEMENTE

NOTE: 8771 OF THE BUSINESS PROFESSIONS DODE.

ABBREVIATIONS AB ACE BW BC BCR BLVD CB CCONST COONST COONST

	AGGREGATE BASE	LP	LOW POINT
	ASPHALT CONCRETE	LT: L	LEFT
	AVENUE	MAX	MAXIMUM
	BACK OF WALL	MH	MANHOLE
	BEGIN CURVE	NIY	NORTHERLY
	BEGIN CURB RETURN	NO	NUMBER
	BOULEVARD	OCSD	ORANGE COUNTY SANITATION DIS
	CATCH BASIN	PCC	PORTLAND CEMENT CONCRETE: P
	CURB & GUTTER	100	OF COMPOUND CURVE
	CURB FACE	PRC	POINT OF REVERSE CURVE
	CENTER LINE	PROP	PROPOSED
	CLEAR	RCB	REINFORCED CONCRETE BOX
	CITY OF ANAHEIM	RPM	REFLECTIVE PAVEMENT MARKER
	CITY OF ANAHEM		
		RT; R	RIGHT
	CONSTRUCTION	R/W	RIGHT OF WAY
	CONTINUOUS	S'LY	SOUTHERLY
	DIAMETER		SOUTHERN CALIFORNIA EDISON
	END CURVE	SCG	SOUTHERN CALIFORNIA GAS
	END CURB RETURN	SD	STORM DRAIN
	EDGE OF PAVEMENT	SPPWC	STANDARD PLANS FOR PUBLIC
EX	EXISTING		WORKS CONSTRUCTION
	EASTERLY	SS	SANITARY SEWER
	FIRE HYDRANT	ST	STREET
	FLOWLINE	STD	STANDARD
	FINISH SURFACE	TC	TOP OF CURB

90% SUBMITTAL

PROJECT

LOCATION



R.C.E. NO. 42407

UNDER	GROUND SE	RVICE ALERT OF SOUTHERN CALIFORNIA												
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TITLE SHEET RUS SHORE CRADING, STORM DRAW AND SEWERLIFT STATION IMPROVEMENTS COASTAL COMMISS FOR

> 5-23-0397 Exhibit 2

Page 1 of 12

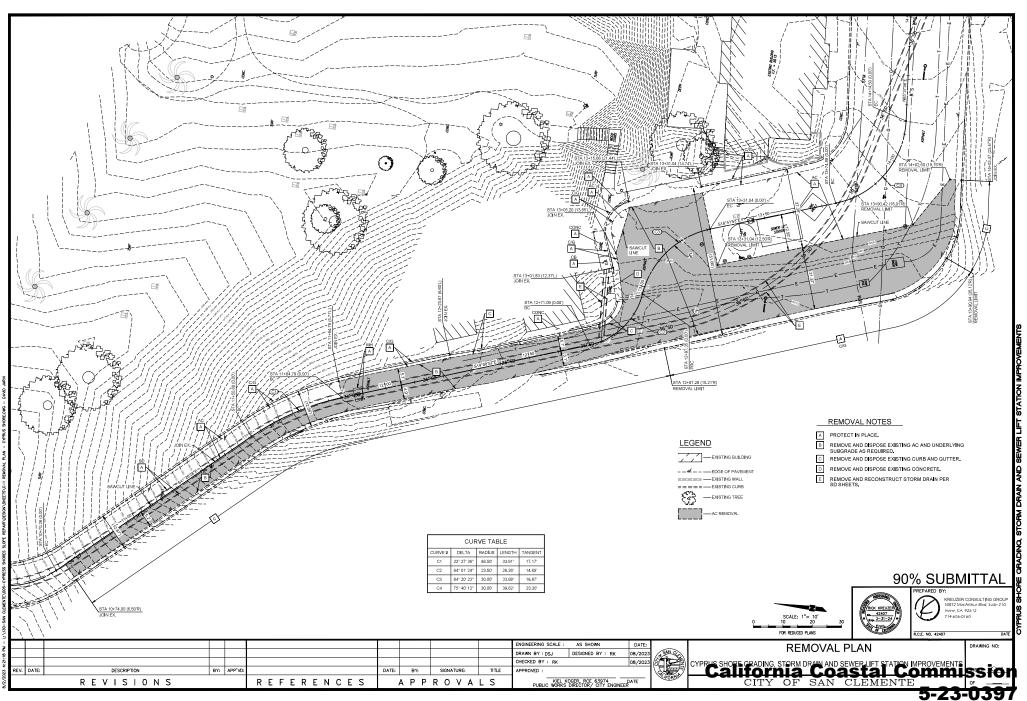


Exhibit 2
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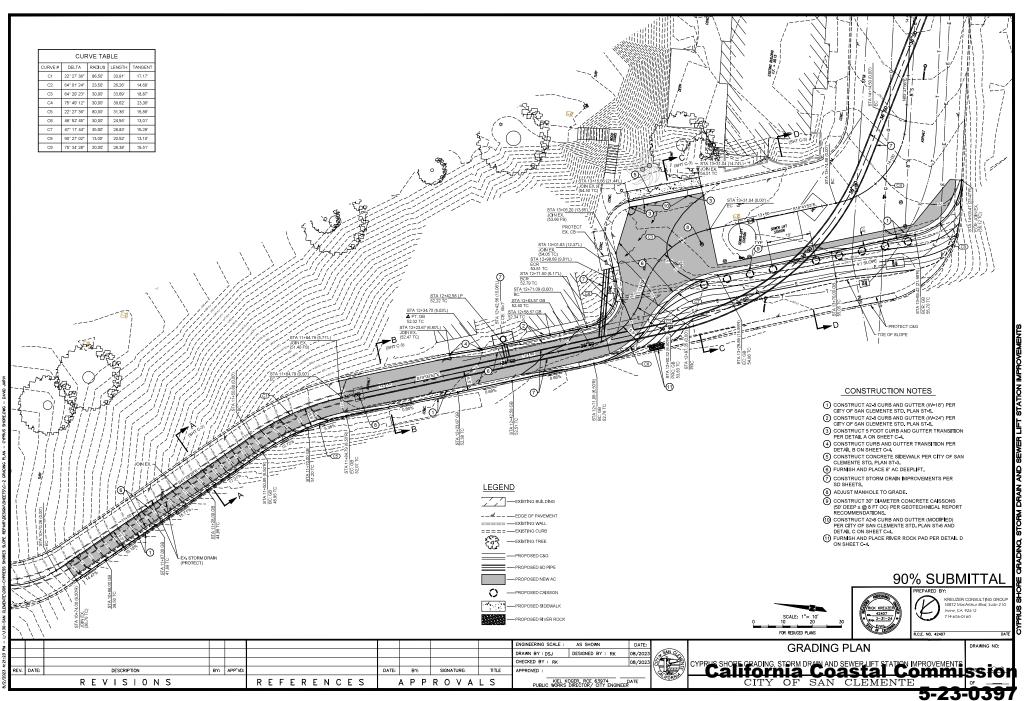


Exhibit 2
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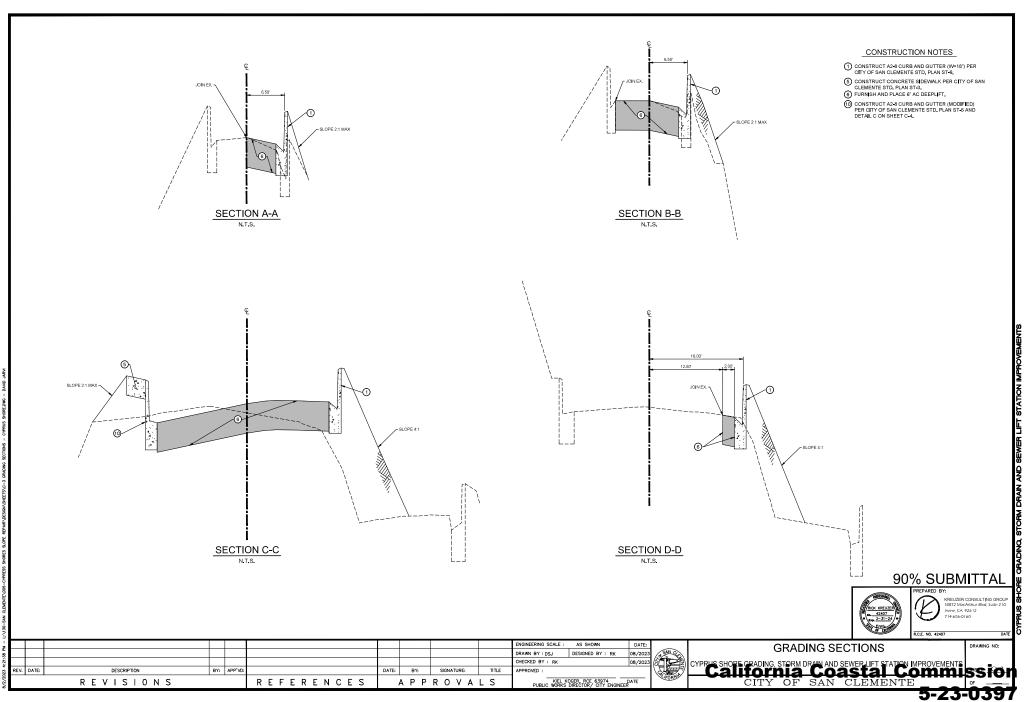


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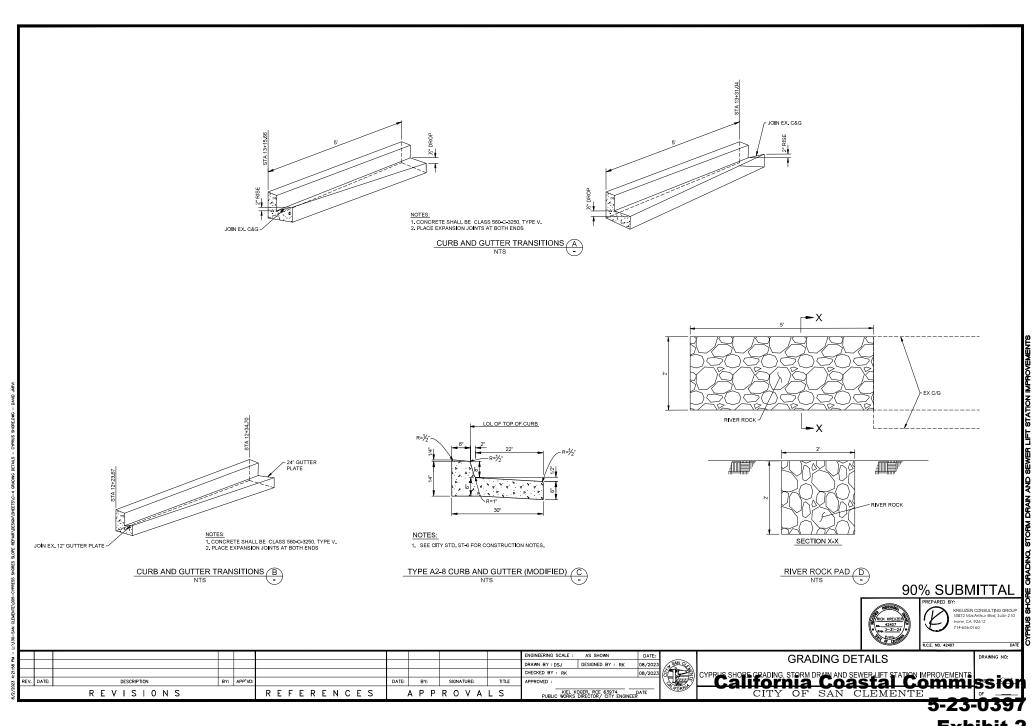
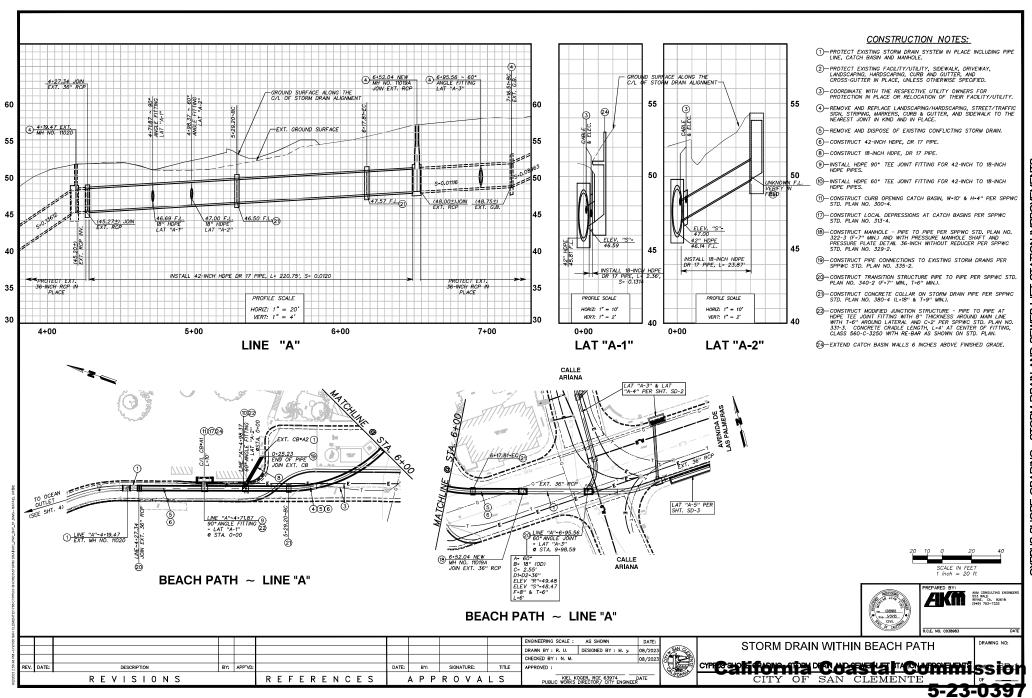
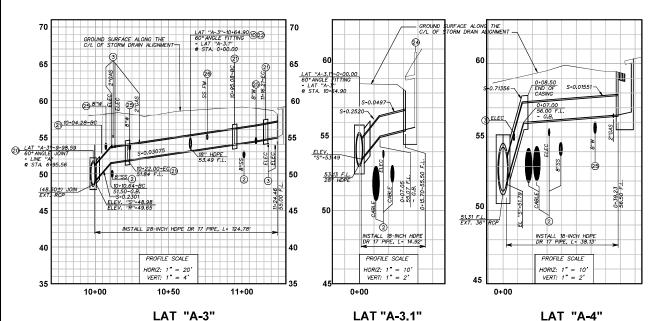


Exhibit 2
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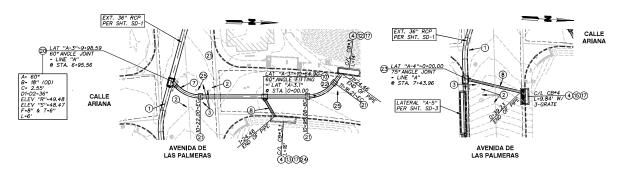
Exhibit 2

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LAT "A-4"



CALLE ARIANA ~ LATERAL "A-3" & "A-3.1"

AVENIDA DE LAS PALMERAS LATERAL "A-4"

CONSTRUCTION NOTES:

- (1)-PROTECT EXISTING STORM DRAIN SYSTEM IN PLACE INCLUDING PIPE LINE, CATCH BASIN AND MANHOLE.
- (2)—PROTECT EXISTING FACILITY/UTILITY, SIDEWALK, DRIVEWAY, LANDSCAPING, HARDSCAPING, CURB AND CHORS, AND CROSS-GUTTER IN PLACE, UNLESS OTHERWISE SPECIFIED.
- 3—COORDINATE WITH THE RESPECTIVE UTILITY OWNERS FOR PROTECTION IN PLACE OR RELOCATION OF THEIR FACILITY/UTILITY.
- (4)—REMOVE AND REPLACE LANDSCAPING/HARDSCAPING, STREET/TRAFFIC SIGN, STRIPING, MARKERS, CURE & GUTTER, AND SIDEWALK TO THE NEAREST JOINT IN KIND AND IN PLACE.
- (7)—CONSTRUCT 28-INCH HDPE, DR 17 PIPE.
- (8)—CONSTRUCT 18-INCH HDPE, DR 17 PIPE
- (10)—INSTALL HDPE 60° TEE JOINT FITTING FOR 42-INCH TO 18-INCH HDPE PIPES.
- (12)—CONSTRUCT CURB OPENING CATCH BASIN, W-14' & H-4" PER SPPWC STD. PLAN NO. 300-4

- (2)—CONSTRUCT CONCRETE COLLAR ON STORM DRAIN PIPE PER SPPWC STD. PLAN NO. 380-4 (L=18" & T=9" MIN.).
- AROUND MAIN LINE WITH T-6" AROUND LATERAL AND C-2" PER SPPWC STD. PLAN NO. 331-3. CONCRETE CRADLE LENGTH, L-4" AT CENTER OF FITTING, CLASS 560-C-3250 WITH RE-BAR AS SHOWN ON STD. PLAN.
- (3)—CORE DRILL EXISTING STORM DRAIN FOR PIPE CONNECTIONS TO EXISTING STORM DRAINS PER SPPWC STD. PLAN NO. 335-2 AND CONSTRUCT MODIFIED JUNCTION STRUCTURE PIPE TO PIPE AT HDPE TEL JOINT FITTING WITH 8" THICKNESS AROUND MAIN LINE WITH 1-6" AROUND LATERAL AND C=2" PER SPPWC STD. PLAN NO. 331-3. CONCRETE CRADLE LENGTH, L=4" AT CENTER OF FITTING, CLASS 560-C-3250 WITH RE-BAR AS SHOWN ON STD. PLAN.
- (4)-EXTEND CATCH BASIN WALLS 6 INCHES ABOVE FINISHED GRADE.
- 5-REMOVE AND RE-CONSTRUCT CONFLICTING WATER LINE PER CITY APPROVAL.
- (26)— REMOVE AND DISPOSE OF EXISTING CONFLICTING SEWER FORCE MAIN AND RE-CONSTRUCT NEW SEWER FORCE MAIN PER CITY APPROVAL.

SCALE IN FEET 1 inch = 20 ft

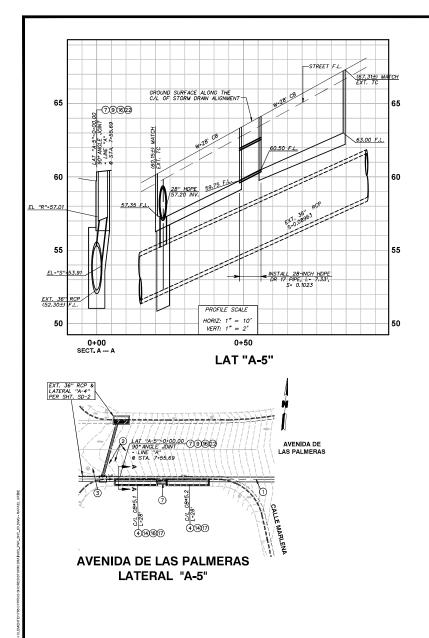




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STORM DRAIN WITHIN CALLE ARIANA CYPROSOFITMONE TO A DECEMBER OF TACHMINETED ISS FOR SAN CLEMENTE CITY OF

5-23-0397



CONSTRUCTION NOTES:

- 1)—PROTECT EXISTING STORM DRAIN SYSTEM IN PLACE INCLUDING PIPE LINE, CATCH BASIN AND MANHOLE.
- 2 PROTECT EXISTING FACILITY/UTILITY, SIDEWALK, DRIVEWAY, LANDSCAPING, HARDSCAPING, CURB AND GUTTER, AND CROSS-GUTTER IN PLACE, UNLESS OTHERWISE SPECIFIED.
- 3-COORDINATE WITH THE RESPECTIVE UTILITY OWNERS FOR PROTECTION IN PLACE OR RELOCATION OF THEIR FACILITY/UTILITY.
- 4 PREMOVE AND REPLACE LANDSCAPING/HARDSCAPING, STREET/TRAFFIC SIGN, STRIPING, MARKERS, CURB & GUTTER, AND SIDEWALK TO THE NEAREST JOINT IN KIND AND IN PLACE.
- (7)-CONSTRUCT 28-INCH HDPE, DR 17 PIPE.
- 9-INSTALL HDPE 90° TEE JOINT FITTING FOR 42-INCH TO 18-INCH HDPE PIPES.
- 14-CONSTRUCT CURB OPENING CATCH BASIN, W=28' & H=4" PER SPPWC STD. PLAN NO. 300-4.
- (6)-CONSTRUCT MONOLITHIC CATCH BASIN CONNECTION PER SPPWC STD. PLAN NO. 308-3.
- (17)-CONSTRUCT LOCAL DEPRESSIONS AT CATCH BASINS PER SPPWC STD. PLAN NO. 313-4.
- 2)—CONSTRUCT MODIFIED JUNCTION STRUCTURE PIPE TO PIPE AT HDPE TEE JOINT FITTING WITH 8" THICKNESS AROUND MAIN LINE WITH T-6" AROUND LATERAL AND C-2' PER SPPWC STD. PLAN NO. 331-3. CONCRETE CRADLE LENGTH, L-4' AT CENTER OF FITTING, CLASS 560-C-3250 WITH RE-BAR AS SHOWN ON STD. PLAN.

GENERAL NOTES TO CONTRACTOR:

- 1. THE CONTRACTOR MUST HORIZONTALLY AND VERTICALLY VERIFY ALL OF THE EXISTING UTILITIES CROSSING AT THE PROPOSED STORM DRAIN PRIOR TO WORKING ON THE PROJECT.
- 2 TRENCH RACKELL AND COMPACTION

BEDDING MATERIAL USED WITHIN THE PIPE ZONE SHOULD CONFORM TO THE REQUIREMENTS OF THE CURRENT GREENBOOK, THE CITY OF SAN CLEMENTE SPECIFICATIONS, AND TH PIPE MANUFACTURER. WHERE APPLICABLE, SAND BUTWING A SAND EQUIVALENT (SE) OF 20 OR GREATER (PER CALTHANS TEST METHOD LCTMIZ 277) MAY BE USED TO BEDDING SAND THE PIPE WITHIN THE REDDING SAND BUTWING THE PIPE WITHIN THE REDDING SAND BUTWING SAND THE PIPE WITHIN THE REDDING SAND THE PIPE TO SUBGRADE, POWER TO ENSURE AS CHECKING TO ENSURE AS CHECKING THE PIPE TO SUBGRADE, POWDED THE SOLIS ARE SCREENED OF ROCKS GREATER THAN 6 INCHES IN WAXMAND BUTWINGTON DEBTOR AND ORGANIC AMERICAL TRENCH BOOKEL SOLITABLE AS TRENCH BROCKEL STORM AND GRADING MATERIAL. TRENCH BROCKEL SHOULD BE COMPACTION (PER ASTM DIS57). F GAP-GRADED "MATERIAL TRENCH BROCKEL SHOULD BE COMPACTION OF THE SOLITABLE SAND THE SAND SHOULD BE COMPACTION OF THE SOLITABLE SAND THE SAND SHOULD BE COMPACTION OF THE SOLITABLE SAND THE SAND SHOULD BE COMPACTION OF THE SOLITABLE SAND SHOULD BE COMPACTION OF THE SOLITABLE SAND MECHANICAL COMPACTION FOR SOLITABLE SAND SHOULD BE COMPACTION OF THE SOLITABLE SAND SHOULD BE WRAPPED IN FILTER FABRIC (MIRAFI HON OR APPROVED ALTERNATIVE) TO PREVENT THE MIGRATION OF FINES INTO THE ROCKS AND MECHANICAL COMPACTION OF FINES INTO THE ROCKS AND MECHANICAL COMPACTION OF FINES INTO THE ROCKS AND MECHANICAL COMPACTION.

IN BACKFILL AREAS WHERE MECHANICAL COMPACTION OF TRENCH BACKFILL IS IMPRACTICAL DUE TO SPACE CONSTRAINTS OR AS AN ALTERNATIVE TO CONVENTIONAL TRENCH BACKFILL TYPICALLY SAND-CEMENT SLURRY MAY BE USED. THE SLURRY SHOULD GENERALLY CONTAIN ABOUT ONE SACK OF CEMENT PER CUBIC YARD. WHEN SET, SUCH A MIX TYPICALLY HAS THE CONSISTENCY OF COMPACTED SOIL.

THE STORM DRAIN TRENCH BOTTOMS SMALL BE STABLUZED BY OVER DIGGING THE TRENCH BOTTOM TO REACH SUITABLE SUBGRADE AND BACKFILLING THE TRENCH BOTTOM (BELOW THE PIPE ZOND) WITH AGGREGATE BASE (AB PER THE CITY OF SM CLEMENT SECRETATIONS, AS AN ALTERNATIVE TO AGGREGATE BASE (AB, AND CHOSURED PROX MAY ALSO BE USED. BASED ON OUR EXPERIENCE WITH SIMILAR PROJECTS AND THE ANTICIPATED SITE CONDITIONS, IT WOULD BE PRUDENT TO ASSUME A MINIMUM THICKNESS OF 2 FEET OF COMPACIED COURSED ROCK-AS BELOW THE STORM DRAIN TRENCH PIPE ZONE. THE ACTUAL THICKNESS OF CRUSHED ROCK ARE REQUIRED TO STABLUZE THE TERRICH EXCAVATION BOTTOM SHALL BE DETERMINED IN THE FIELD BASED ON THE ACTUAL CONDITIONS AND EQUIPMENT USED, DEEPER OVER DIGGING AND BACKFILLING WITH CRUSHED ROCK/AB MAY BE RECOURED.

AGGREGATE BASE MATERIAL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION AT OR SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT PER ASTM DIS57. SUBGRAGE BELOW AGGREGATE BASE SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION PER ASTM DIS57 AT NEAR-OPTIMUM MOISTURE CONTENT (GENERALLY MITHIN OPTIMUM MOIS PERCENT ABOVE OPTIMUM MOISTURE CONTENT).

A REPRESENTATIVE FROM LGC GEOTECHNICAL SHOULD OBSERVE, PROBE, AND TEST BACKFILL TO VERIFY COMPLIANCE WITH THE PROJECT RECOMMENDATIONS.







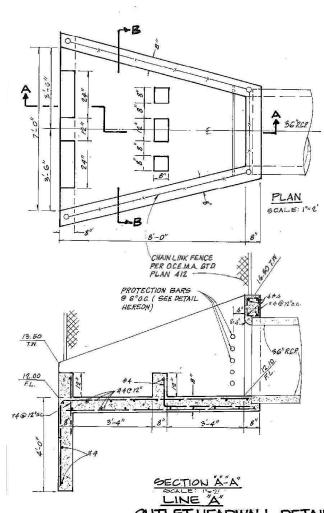
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STORM DRAIN WITHIN AVENIDA DE LAS PALMERAS

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CONSTRUCTION NOTES:

(27)—REMOVE EXISTING DAMAGED OUTLET STRUCTURE AND RECONSTRUCT NEW OUTLET STRUCTURE PER CITY AS-BUILT FOR TRACT NO. 10225, SHEET 13 OF 22, AS DEPICTED HEREIN.



OUTLET HEADWALL DETAILS





A-N:010										DRAWN BY : R. U. DESIGNED BY :		DATE: 08/2023	& SAN CO	STORM DRAIN OUTLET DRAWING NO:
3:00:40 PI	REV. DAT	E: DESCRIPTION	BY:	APP'VI		DATE:	BY:	SIGNATURE:	TITLE	CHECKED BY: N. M. APPROVED:		08/2023		CYPROSOFICIANDA DE ADESENS TACAMINATATIS SEDI
8/2/202		REVISIONS			REFERENCES		APP	ROVA	L S	KIEL KOGER, RCE 6397 PUBLIC WORKS DIRECTOR/ CITY	4 D ENGINEER	DATE	FORM	CITY OF SAN CLEMENTE F
														5-23-0397

TO BE ABANDONED.

(48a)

EXISTING DAMAGED OUTLET STRUCTURE AT OCEAN OUTLET (27)

Exhibit 2
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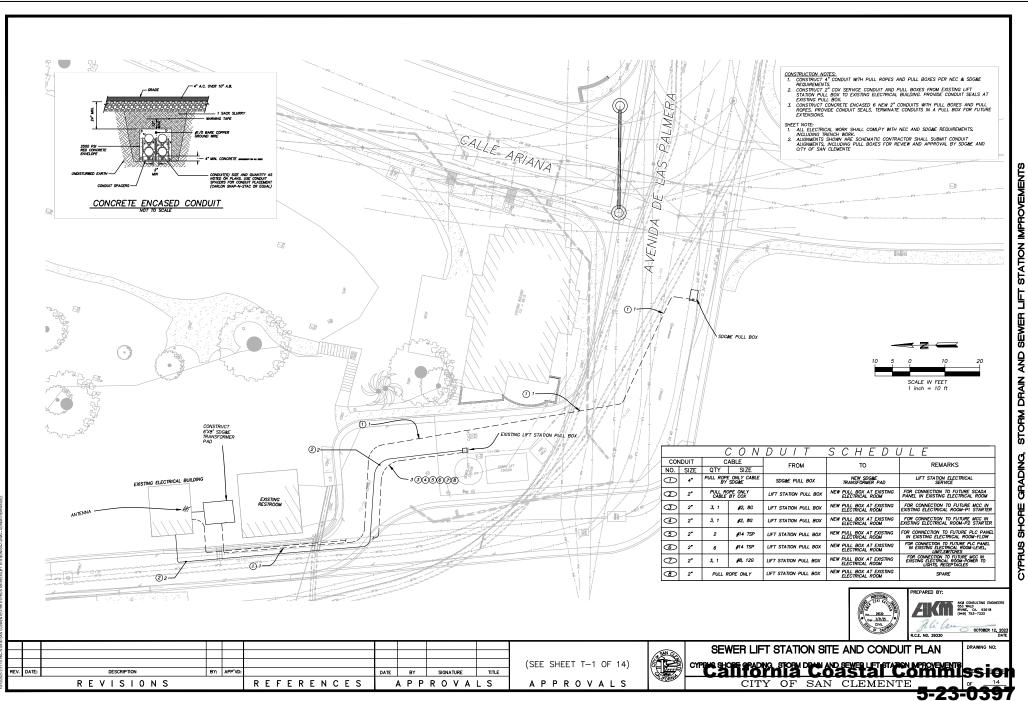
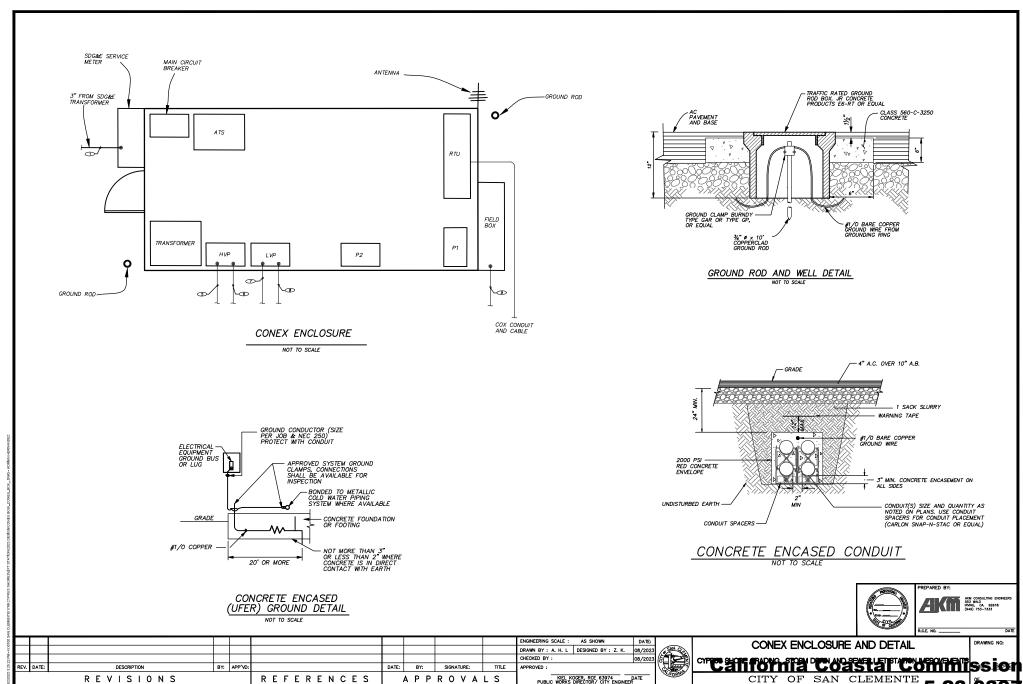


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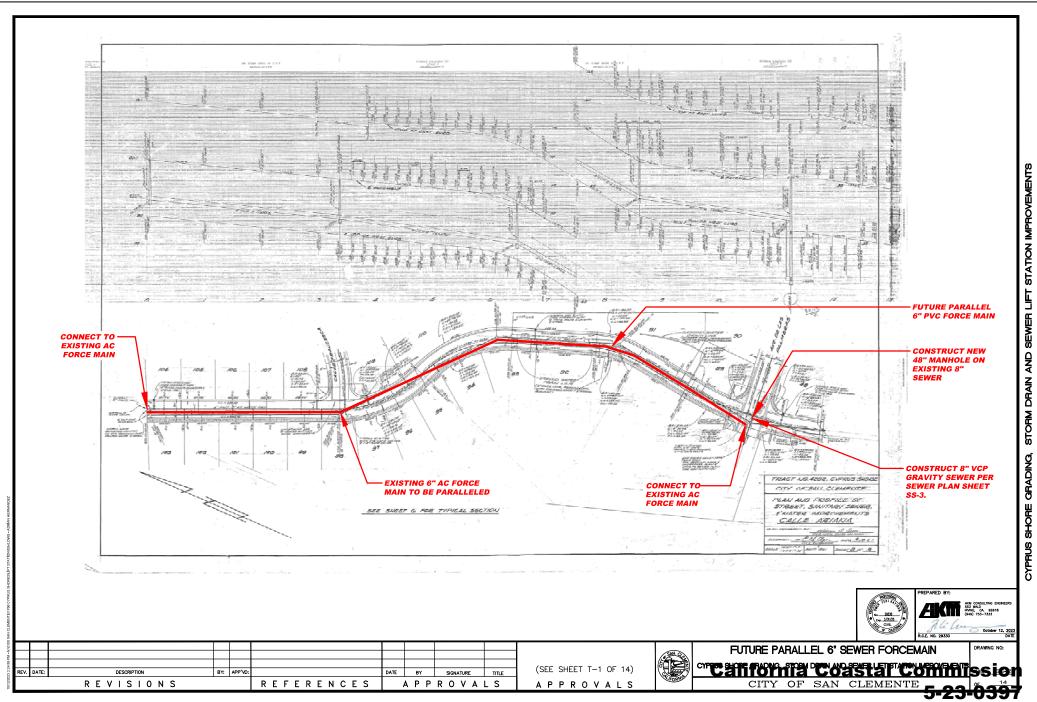
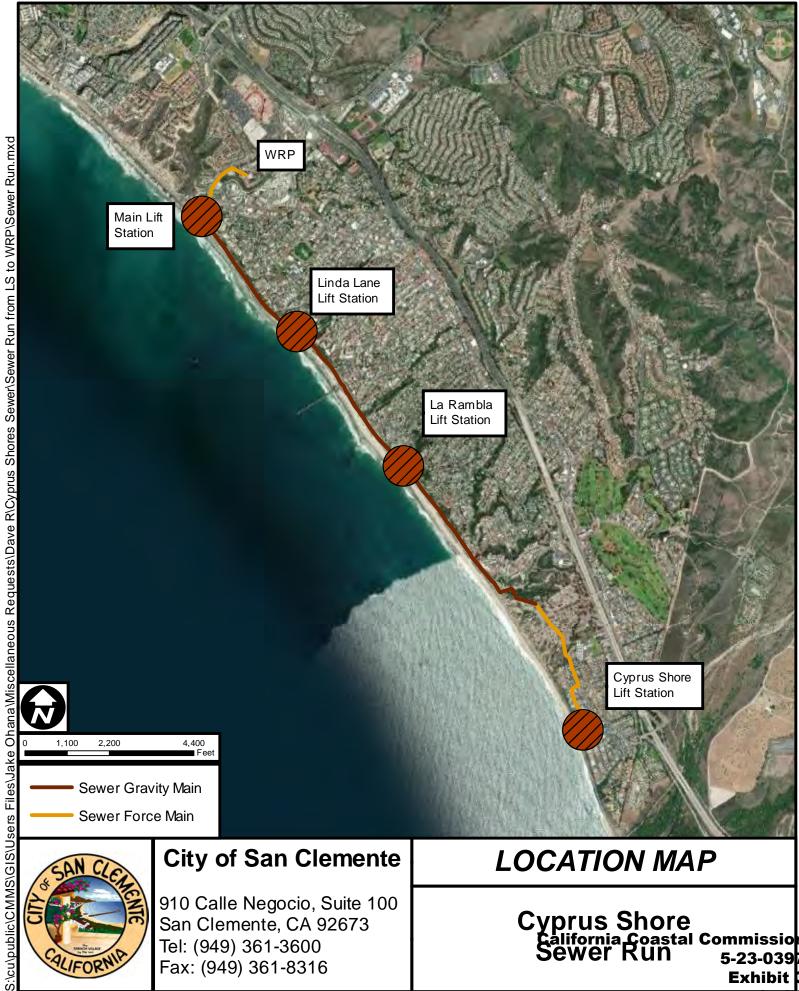


Exhibit 2
Page 12 of 12





910 Calle Negocio, Suite 100 San Clemente, CA 92673

Tel: (949) 361-3600 Fax: (949) 361-8316

LOCATION MAP

Cyprus Shore
California Coastal Commission
Sewer Run
5-23-0397

Exhibit B

Page 1 of 3



910 Calle Negocio, Suite 100 San Clemente, CA 92673

Tel: (949) 361-3600 Fax: (949) 361-8316 Cyprus Shore
California Coastal Commission
Sewer Run
5-23-0397

Exhibit B

Page 2 of 3





City of San Clemente

910 Calle Negocio, Suite 100 San Clemente, CA 92673

Tel: (949) 361-3600 Fax: (949) 361-8316

LOCATION MAP

Cyprus Shore
California Coastal Commission
Sewer Run
5-23-0397

5-23-0397 Exhibit B

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Figure 5: Storm Drain Restoration (in-kind)

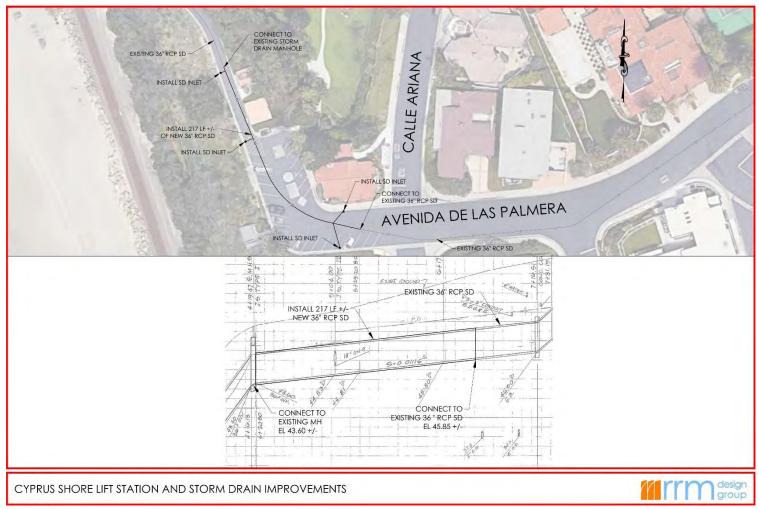
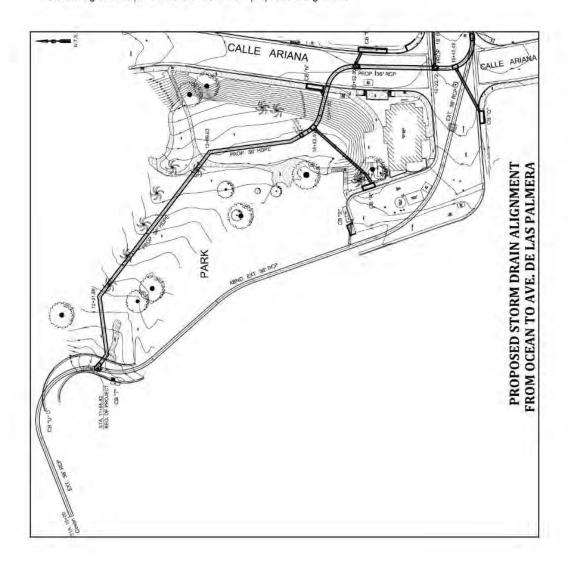


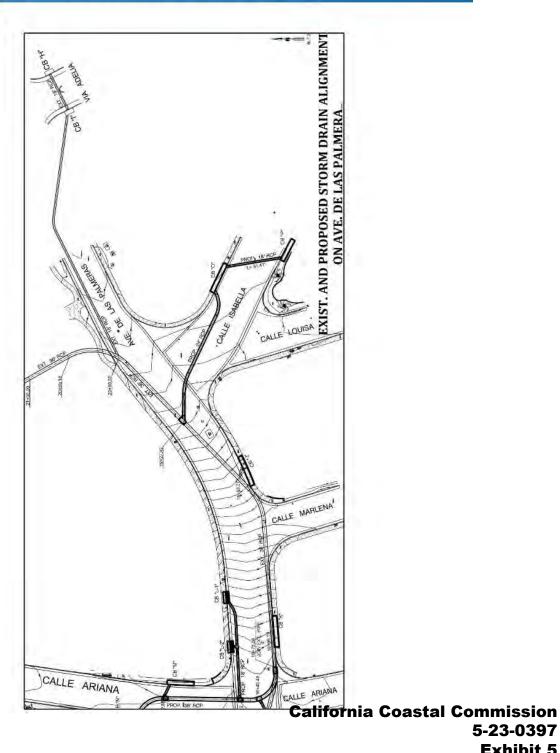
Figure 6: Storm Drain Realignment

CYPRUS SHORE STORM DRAIN RELOCATION PROJECT

The following exhibits provide an overview of the proposed realignment:



CYPRUS SHORE STORM DRAIN RELOCATION PROJECT



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Figure 7: Existing Sewer Lift Station Rehabilitation





Figure 7a: Existing Conditions

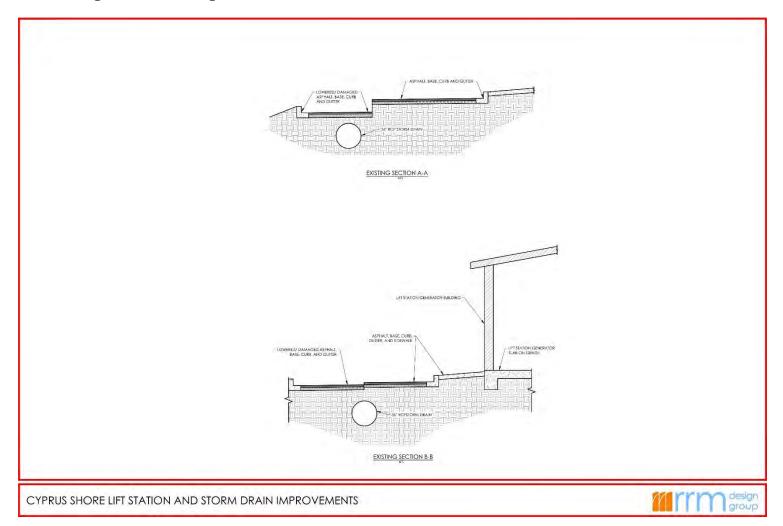
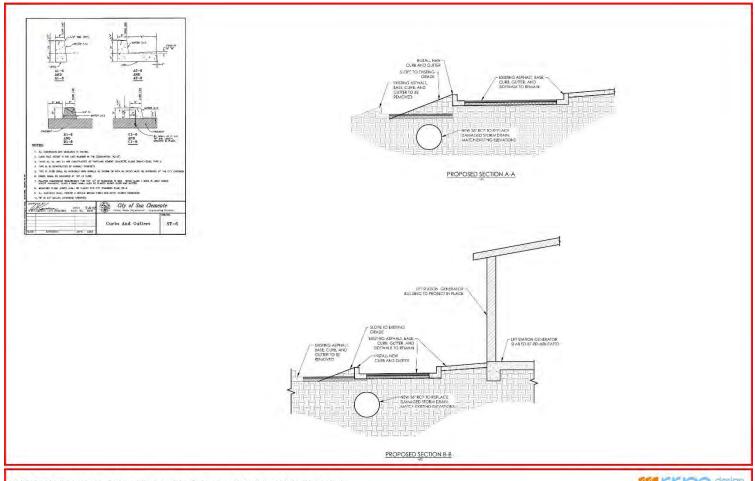


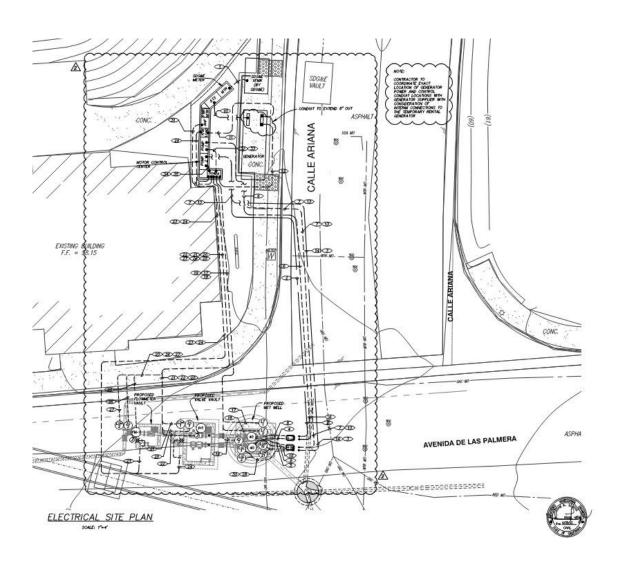
Figure 7b: Proposed Conditions



CYPRUS SHORE LIFT STATION AND STORM DRAIN IMPROVEMENTS



Figure 8a: Sewer Lift Station Relocation (for a single lift station)



2 1 SDG&E METER SDG&E VAULT CONDUIT TO EXTEND 8" OUT ASPHAL1 CONC. 31) USA MO 1 29 ₩V. GENERATOR MOTOR CONTROL 34 35 ₩.V. 111 7 (13) 111 23 24 7 13 EXISTING EVILDING F.F. = \$8.15 W. 143 8

Figure 8b: Single Sewer Lift Station Relocation Electrical Site Plan



Figure 9: Sewer Lift Station Relocation (for two lift stations)

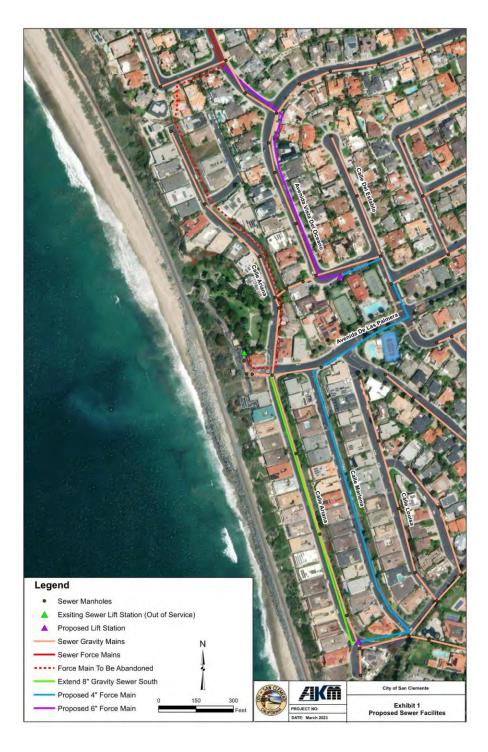


Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 1 - Project site with no sea level rise and no coastal storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 2 - Project site with 0.8 ft. of sea level rise and no coastal storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 3 - Project site with 0.8 ft. of sea level rise and a 100 year storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 4 - Project site with 3.3 ft. of sea level rise and no coastal storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 5 - Project site with 3.3 ft. of sea level rise and a 100 year storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"



Figure 6 - Project site with 6.6 ft. of sea level rise and no coastal storm event

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Exhibit 9 - Coastal Hazards Figures with "Hold the Line"

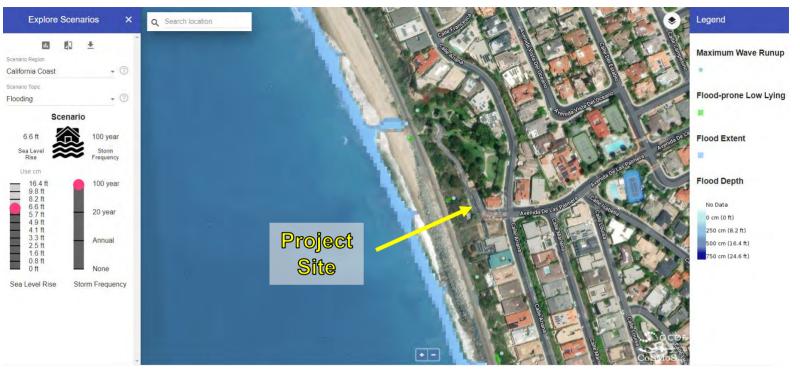


Figure 7 - Project site with 6.6 ft. of sea level rise and a 100 year storm event

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"



Figure 1 - Project site shoreline position with 0.8 ft. of sea level rise

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"



Figure 2 - Project site cliff retreat with 0.8 ft. of sea level rise

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"



Figure 3 - Project site shoreline position with 3.3 ft. of sea level rise

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"

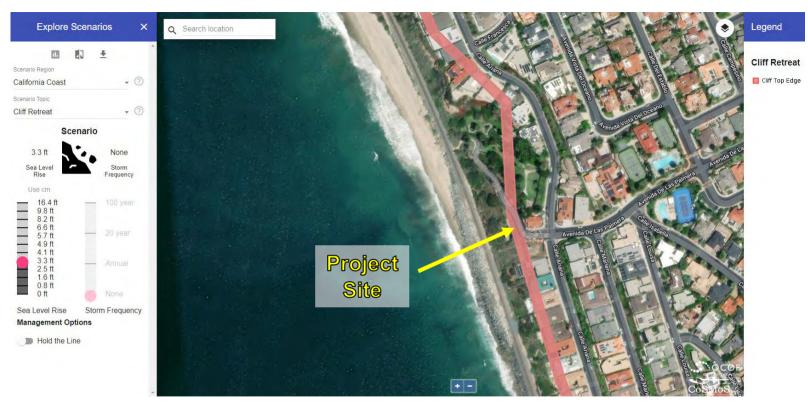


Figure 4 - Project site cliff retreat with 3.3 ft. of sea level rise

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"



Figure 5 - Project site shoreline position with 6.6 ft. of sea level rise

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Exhibit 10 - Coastal Hazards Figures without "Hold the Line"



Figure 6 - Project site cliff retreat with 6.6 ft. of sea level rise

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