

# PROJECT SPECIFICATIONS & STANDARD PLANS

## PROJECT STANDARD SPECIFICATIONS

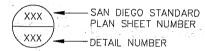
CALTRANS STANDARD SPECIFICATIONS, MAY 2006

### PROJECT STANDARD PLANS

THE CITY SAN DIEGO STANDARD DRAWINGS, 2016 EDITION

#### STORM DRAIN IMPROVEMENTS

RIP RAP ENERGY DISSIPATOR



### **SYMBOLS**

### 0

PERCENT

FEET OR MINUTES INCHES OR SECONDS

PER OR (BETWEEN WORDS)

DEGREE DIAMETER

PROPERTY LINE CENTERLINE

FLOW LINE

# MISC. LEGEND DETAIL NUMBER

SHEET TAKEN

SHEET TAKEN

**DETAILS** SHEET DRAWN

SECTION NUMBER SHEET DRAWN

SECTIONS

### **ABBREVIATIONS**

AC	ASPHALT CONCRETE	MAX	MAXIMUM .
AGG	AGGREGATES	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR	OC	ON CENTER
	TESTING AND MATERIALS	OD	OUTSIDE DIAMETER
CALTRANS	CALIFORNIA DEPARTMENT	PCC	PORTLAND CEMENT CONCRETE
	OF TRANSPORTATION	PIP	PROTECT IN-PLACE
CF	CUBIC FOOT	PL	PROPERTY LINE OR PLACE
CFS	CUBIC FOOT PER SECOND	PVC	POLYVINYL CHLORIDE
CL	CENTER LINE	R	RADIUS
CL R	CLEAR	R/W	RIGHT OF WAY
CONC	CONCRETE	REINF	REINFORCED OR REINFORCEMENT
CONST	CONSTRUCT, CONSTRUCTION	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARD	S	SLOPE OR SECOND
DIA	DIAMETER	SD	STORM DRAIN
DWG	DRAWING	SQFT	SQUARE FOOT
EA.	EACH	SS	SANITARY SEWER
ELEV	ELEVATION	STD	STANDARD
EX	EXISTING	SW	SIDEWALK
EXP	EXPANSION	TOT	TOTAL
FG	FINISHED GRADE	TYP	TYPICAL
FL	FLOW LINE	VERT	VERTICAL
Н	HIGH OR HEIGHT	W	WATER, WIDER OR WIDTH
HORIZ	HORIZONTAL	w/	WITH

## LEGEND

TOE OF SLOPE

DAYLIGHT TO EXISTING

## **EXISTING CONDITIONS** EXISTING CONTOURS EXISTING SEWER PIPE EXISTING WATER LINE EXISTING STORM DRAIN EXISTING UTILITY EASEMENT RIGHT OF WAY EXISTING THALWEG EXTENTS OF RIPARIAN PONDING **NEW IMPROVEMENTS** TOP OF SLOPE

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

# **30% SUBMITTAL NOT FOR** CONSTRUCTION



-	REGISTERED	CIVIL ENGINEER	DATE
	(NOT RELEASE	D FOR CONSTRUCTION)	
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	SAN	IUAN CAPISTRANO, CA 926	75
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A.	DELINEATED		
	CHECKED	J. SMITH, P.E.	
•	DESIGNED	B. BAIR	
	PLANS	∥ BY	DATE

#### SURVEY CONTROL

### BASIS OF COORDINATES

THE BASIS OF COORDINATES FOR THIS DRAWING IS A WELL MONUMENT IN THE CENTER OF SANTO ROAD APPROXIMATELY 386 FEET IN THE NORTH EASTERLY DIRECTION FROM THE INTERSECTION OF SANTO ROAD AND ANTIGUA BOULEVARD. THE COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (EPOCH 2015.25), CALIFORNIA COORDINATE SYSTEM, ZONE 6, US SURVEY FEET.

N. 1884360.34 FT E. 6300309.32 FT

#### BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS DRAWING IS GEODETIC NORTH AS DERIVED FROM NETWORK RTK SMARTNET, LEICA GEOSYSTEMS. THE GRID BEARING MEASURED BETWEEN THE TWO WELL MONUMENTS IN SANTO ROAD, LOCATED APPROXIMATELY 386 FT AND 2,103 FT RESPECTIVELY IN THE NORTH EASTERLY DIRECTION FROM THE INTERSECTION OF SANTO ROAD AND ANTIGUA BOULEVARD IS: NORTH 2896'04.43"EAST

### BASIS OF ELEVATIONS

THE BASIS OF ELEVATIONS FOR THIS DRAWING IS FROM THE CITY OF SAN DIEGO VERTICAL CONTROL BENCHBOOK, PAGE 561 OF 674, A BRASS PLUG LOCATED AT SOUTH-WEST CORNER OF CLAIRMONT MESA BOULEVARD AND SANTO ROAD. ELEVATION = 328.85 FEET (MSL)

**COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS** 5500 OVERLAND AVENUE, SAN DIEGO, CA 92123-1295



COMPANIES AND ADMINISTRATION OF A THE WAY ARE THE PROPERTY OF						
REVISIONS	BY	APPROVED	DATE	COORDINATE INDEX		
				210N.	1731	_ E.
				CONST. COMPL		
				FIELD REVISION	is	

	VECTOR HABITAT REMEDIATION
-	In the Vicinity of Antigua Blvd.

GENERAL REFERENCES

_	SCALE: HOR,	NONE	VERT.	NONE
	W.A		R.S	-
	CIVIL PLAN			
	7.1			