

GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION AND SUPPLEMENTS THERETO, AS WRITTEN AND PROMULGATED BY PUBLIC WORKS STANDARDS, INC., HERINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE TORRANCE STANDARDS, AND TO THE SATISFACTION OF THE COMMUNITY DEVELOPMENT OR PUBLIC WORKS DIRECTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, VERIFY DEPTH AND PROTECT ALL STRUCTURES, INCLUDING SUBSTRUCTURES, SHOWN ON THE PLAN. THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF REPAIRING OR REPLACING ANY OF SAID STRUCTURES DAMAGED BY HIM/HER DURING PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE DONE IN THE PRESENCE OF THE INSPECTOR. ALL LOCATIONS SHOWN ON THE PLAN FOR UTILITY LINES HAVE BEEN TAKEN FROM AVAILABLE RECORDS AND THEIR COMPLETENESS AND CORRECTNESS ARE IN NO WAY GUARANTEED.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 AND ALL PUBLIC UTILITY COMPANIES AND OWNERS OF PRIVATE FACILITIES WITHIN THE AREA OF CONSTRUCTION AT LEAST 2 WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK WITHIN SAID AREA.
- OVERHEAD UTILITY LINE CAUTION: REVIEW APPROVED CONSTRUCTION PLAN. IF CONSTRUCTION REQUIRES WORKERS AND/OR EQUIPMENT TO BE WITHIN 6 FEET OR CRANES OR HOISTING DEVICES TO BE WITHIN 10 FEET OF OVERHEAD ELECTRIC/UTILITY LINES, CALL SOUTHERN CALIFORNIA EDISON CO. AT 310-783-9339.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY BEFORE COMMENCING WORK. TRAFFIC CONTROL WITHIN PUBLIC STREET RIGHTS OF WAY SHALL BE IN CONFORMANCE WITH THE "CITY OF TORRANCE TRAFFIC CONTROL STANDARDS" AND "CA MUTCD" LATEST EDITION. THE CONTRACTOR SHALL PROVIDE A 24-HOUR TELEPHONE NUMBER FOR EMERGENCY REPAIRS TO TRAFFIC CONTROL AND PAVEMENT MARKINGS.
- PRIOR TO COMMENCEMENT OF WORK, ALL SURVEY MONUMENTS IN THE PROJECT AREA SHALL BE LOCATED AND TIED OUT. ALL CENTERLINE MONUMENTS OR TIES LOST OR DESTROYED BY THIS WORK SHALL BE REPLACED EITHER BY A LICENSED SURVEYOR OR A CIVIL ENGINEER REGISTERED PRIOR TO JANUARY 1, 1982 AND NEW TIE SHEETS PROVIDED. METHOD OF ESTABLISHMENT SHALL BE STATED ON THE TIE SHEET.
- GRADE SHEETS PREPARED AND STAMPED BY A LICENSED ENGINEER OR SURVEYOR SHALL BE DELIVERED TO THE INSPECTOR 24 HRS PRIOR TO COMMENCEMENT OF WORK.
- CRUSHED MISCELLANEOUS BASE (CMB) PER SECTION 200-2.4 OF THE STANDARD SPECIFICATIONS SHALL BE USED AS BASE MATERIAL UNDER SIDEWALK, CURBS, GUTTERS, CROSS GUTTERS, BUS PADS, DRIVEWAY APRONS AND PAVEMENT FOR ALL STREETS AND ALLEYS.
- BASE FOR A RESIDENTIAL DRIVEWAY MAY BE OMITTED ON SANDY SOILS AND SHALL BE 4" THICK ON OTHER SOILS. SANDY SOILS SHALL BE DETERMINED BY A MINIMUM SE OF 30 PER SAND EQUIVALENT TEST AS PER CALIFORNIA TEST 217 OR ASTM D2419 AS CALLED FOR IN SECTION 200-2 OF THE STANDARD SPECIFICATIONS.
- X" DIMENSION SHOWN ON SPPWC STANDARD 110 SHALL BE 3 FEET UNLESS OTHERWISE CALLED FOR ON THE PLAN OR IN THE SPECIFICATIONS.
- WHEN THERE IS MORE THAN ONE DRIVEWAY APRON ON THE SAME FRONTAGE OF A LOT, THE MINIMUM LENGTH OF FULL HEIGHT CURB BETWEEN THESE DRIVEWAYS SHALL BE 20 FEET.
- FOR A NEW ASPHALT CONCRETE (AC) SECTION BETWEEN 3" AND 4" THICK, THE CONTRACTOR SHALL CONSTRUCT ONE LIFT OF C2-AR4000 (C2-PG-64-10) OVER BASE. FOR A NEW AC SECTION 5" THICK, THE CONTRACTOR SHALL CONSTRUCT ONE 2" THICK LIFT OF C2-AR4000 (C2-PG-64-10) OVER ONE 3" THICK LIFT OF B-AR4000 (B-PG-64-10) OVER BASE. FOR A NEW AC SECTION THICKER THAN 5" AND PAVEMENT OVERLAYS REFER TO CONSTRUCTION NOTES AND/OR PLANS. THE MAXIMUM THICKNESS OF EACH LIFT SHALL BE 4". INSTALLATION OF THE FINAL COURSE SHALL NOT TAKE PLACE UNTIL ALL UNDERGROUND UTILITY TRENCHING HAS BEEN COMPLETED AND APPROVAL TO PROCEED HAS BEEN GRANTED BY THE PUBLIC WORKS INSPECTOR OR ENGINEER.
- DURING NON-CONSTRUCTION HOURS, ALL EXCAVATIONS MUST BE APPROPRIATELY SHORED AND PLATED OR BACKFILLED, EXCEPT BORE PITS WHICH SHALL BE SECURED WITH K-RAIL AND 6' HIGH CHAIN LINK FENCE PANELS SECURED IN PLACE TO THE SATISFACTION OF THE PUBLIC WORKS INSPECTOR OR ENGINEER. PLATES SHALL BE TACK WELDED, PINNED AND/OR SECURED IN PLACE BY ANOTHER METHOD APPROVED BY THE INSPECTOR OR ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT 310-781-6900 PRIOR TO TRIMMING, REMOVING OR RELOCATING ANY EXISTING STREET TREE.
- UNLESS OTHERWISE SHOWN, ALL TRAFFIC SIGNS SHALL BE RELOCATED OR REMOVED BY THE CONTRACTOR.
- IF STREET TREES ARE REQUIRED IN THE PARKWAY, NEWLY INSTALLED TREES SHALL BE INSTALLED PER CITY OF TORRANCE STANDARD 1401 AND TO THE SATISFACTION OF THE STREETSCAPE MANAGER. CONTACT THE PUBLIC WORKS DEPARTMENT AT 310-781-6900 FOR TYPE(S), SIZE(S) AND LOCATION(S) OF TREES.
- PLANTED AND IRRIGATED PARKWAY(S) (IF REQUIRED) SHALL HAVE MATERIALS AND PLANTS APPROVED BY THE STREETSCAPE MANAGER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL MAKE AVAILABLE FOR THE INSPECTOR'S REVIEW, ON A DAILY BASIS, AS-BUILT DRAWINGS FOR WORK PERFORMED UP TO AND INCLUDING THE PREVIOUS DAY'S ACTIVITIES. WORK SHALL NOT BE CONSIDERED AS COMPLETE UNTIL AS-BUILT DRAWINGS ARE SUBMITTED TO AND ACCEPTED BY THE COMMUNITY DEVELOPMENT OR PUBLIC WORKS DIRECTOR.

CITY OF TORRANCE

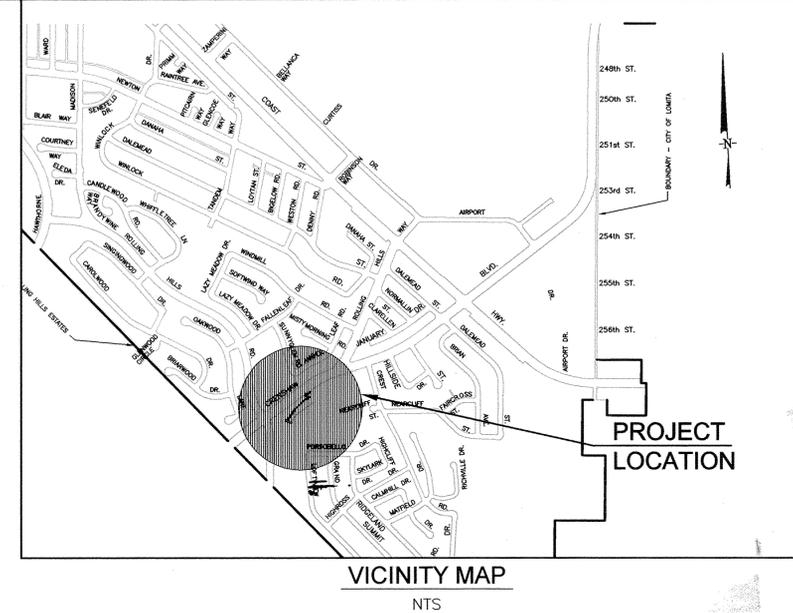
CONSTRUCTION PLANS

FOR

WALTERIA RESERVOIR

SLOPE STABILITY PROJECT,

CIP No. I-95



STANDARD PLANS

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
(2009 EDITION & REVISIONS)

- 120-2 CURB AND GUTTER-BARRIER
- 122-2 CROSS AND LONGITUDINAL GUTTERS
- 150-3 CURB DRAIN
- 618-3 MASONRY/RETAINING WALL
- 621-2 REINFORCED CONCRETE BLOCK WALL
- 622-3 CONCRETE BLOCK SLOUGH WALL

ABBREVIATIONS

AC ASPHALT CONCRETE	PCC PORTLAND CEMENT CONCRETE
ARHM ASPHALT RUBBERIZED HOT MIX	PT POINT
BLVD BOULEVARD	PVI POINT OF VERTICAL INTERSECTION
CL CENTERLINE	RT RIGHT
COT CITY OF TORRANCE	S SOUTH
DWY DRIVEWAY	SD STORM DRAIN
E EAST	SCE SOUTHERN CALIFORNIA EDISON
E'LY EASTERLY	S'LY SOUTHERLY
EX EXISTING	SS SANITARY SEWER
GB GRADE BREAK	ST STREET
GV GAS VALVE	SPPWC STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
INT INTERSECTION	TEL TELEPHONE
LT LEFT	VAR VARIES
MH MANHOLE	W WATER OR WEST
N NORTH	W'LY WESTERLY
N.T.S. NOT TO SCALE	WV WATER VALVE

SHEET INDEX

SHEET NO.	PLAN NO.	DESCRIPTION
1	WP-280	TITLE SHEET
2	WP-280	CONSTRUCTION PLANS AND DETAILS

UTILITY CONTACTS

COUNTY SANITATION DISTRICT P.O. BOX 4998 WHITTIER, CA 90601	SOUTHERN CALIFORNIA EDISON 1241 S. GRAND AVENUE SANTA ANA, CA 92705
CALIFORNIA WATER SERVICE DOMINGUEZ WATER COMPANY 2632 W. 237TH STREET TORRANCE, CA 90505	SCE FUEL OPERATIONS 2650 W. LOMITA BOULEVARD TORRANCE, CA 90505
L.A. COUNTY PUBLIC WORKS ROAD DEPARTMENT 900 S. FREMONT AVENUE ALHAMBRA, CA 91803	SOUTHERN CALIFORNIA GAS P.O. BOX 3334 ANAHEIM, CA 92806-3334
LADWP-JOINT LOCATION P.O. BOX 51111 LOS ANGELES, CA 90051-0100	WEST BASIN MUNICIPAL WATER DISTRICT 17140 S. AVALON BOULEVARD SUITE 310 CARSON, CA 90746-1218

PACIFIC BELL
41 S. CHESTER AVENUE
ROOM 202
PASADENA, CA 91106

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.



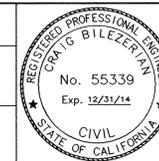
Know what's below.
Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS				
REV	DATE	BY	CHECKED	DESCRIPTION

WALTERIA RESERVOIR SLOPE STABILITY PROJECT, I-95

TITLE SHEET

DESIGNED BY: JEFF KIDD	DRAWN BY: VP
PROJECT ENGINEER: JEFF KIDD, P.E.	
ENGINEERING MANAGER: JOHN. C. DETTLE, PE.	



CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* 9/23/2014 DATE

CRAIG BILEZERIAN, PE
CITY ENGINEER
R.C.E. NO. 55339 (EXP. 12/31/2014)

SHEET 1 OF 2	SPECIFICATION NO.
SCALE: NONE	
SUPPLEMENTAL PLAN NO.	
PLAN NO.	WP-280