

GENERAL NOTES

- ~~ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" LATEST EDITION (INCLUDING SUPPLEMENT) AS WRITTEN AND PROMULGATED BY THE SOUTHERN CALIFORNIA CHAPTER OF THE A.P.W.A. A.G.C.C. JOINT COOPERATIVE COMMITTEE HERIN REFERRED TO AS THE STANDARD SPECIFICATIONS. ALL STRUCTURES SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS AND PFRD STANDARD PLANS AS NOTED ON THE DRAWINGS (UNLESS SPECIFICALLY NOTED OTHERWISE OR IN THE SPECIAL PROVISIONS FOR THIS PROJECT).~~
- WHEN REPLACING CURB AND GUTTER, LOCATE AND REPLACE ALL EXISTING UTILITY MARKINGS ON CURB FACE (16: 3" S FOR SEWER, ECT.)
- ~~PRIOR TO ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL OBTAIN A CITY BUSINESS LICENSE.~~
- INSPECTION TO COORDINATED THROUGH THE ENGINEER 24 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (1-800-422-4133) TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES, AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO PERMIT ISSUANCE, INCLUDING PAVEMENT REMOVAL, EXCAVATION AND A.C. OVERLAY, WHICH COULD AFFECT ANY UNDERGROUND VICINITY OF THEIR FACILITY..
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST TWO FULL DAYS (48 HOURS) MINIMUM PRIOR TO BEGINNING ANY CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
- THE CONTRACTOR SHALL EXCAVATE INSPECTION HOLES ("POTHOLES") AND DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND STRUCTURES AND UTILITIES THAT ARE IN THE VICINITY OF AND/OR MAY BE AFFECTED BY THE PROPOSED IMPROVEMENT WORK PRIOR TO ANY CONSTRUCTION WORK WHICH COULD DAMAGE OR CONFLICT WITH SAID STRUCTURES AND/OR UTILITIES.
- ALL MATERIAL AND METHODS TO BE SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER.
- REPAIR OR REPLACE ANY EXISTING DAMAGED OR ALTERED EXISTING IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY AS DIRECTED BY THE RESIDENT ENGINEER.
- IF ANY EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, WORK SHALL BE STOPPED AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- ALL IRRIGATION LINES TO BE REMOVED, RELOCATED OR RECONSTRUCTED AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED IN PLACE. ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT THE DIRECTION OF THE RESIDENT ENGINEER (SEE "SURVEY CONTROL SCHEMATIC" SHEET).
- AS-BUILT PLANS TO BE FURNISHED TO THE COUNTY OF ORANGE AFTER COMPLETION OF CONSTRUCTION.

NOTICE TO CONTRACTOR

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR STRUCTURE SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THIS PLAN BY THE COUNTY OF ORANGE DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (1-800-422-4133) 48 HOURS BEFORE ANY EXCAVATION.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

Notes:  
Contractor shall verify all controlling field dimensions before ordering or fabricating any material

STREET NOTES

- ~~THE CONTRACTOR SHALL NOT ORDER OR PLACE ANY PORTLAND CEMENT CONCRETE OR ASPHALT CONCRETE PAVING UNTIL THE FORMS AND SUBGRADE AND/OR AGGREGATE BASE HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER IN THE FIELD.~~
- ALL NEW OR EXISTING MANHOLES SHALL BE ADJUSTED TO GRADE
- ~~FOR ASPHALT CONCRETE SPECIFICATIONS, SEE PFRD STD PLAN 1805 AND SPECIFICATIONS PROVIDED WITH DRAWINGS.~~
- ~~FOR ADDITIONAL GENERAL NOTES AND PORTLAND CEMENT CONCRETE SPECIAL PROVISIONS, SEE PFRD STD PLAN NOS. 1801 AND 1803.~~

EXCAVATION NOTES

- ~~ALL TRENCH BEDDING AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH PFRD STANDARD PLANS AND SPECIFICATIONS PROVIDED WITH THESE DRAWINGS. ALL WORK SHALL BE CONTINUOUSLY INSPECTED , TESTED AND CERTIFIED BY A SOILS ENGINEER.~~
- ~~ALL STORM DRAIN TRENCH BEDDING AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE PFRD STANDARD PLANS AND SPECIAL PROVISIONS PROVIDED WITH DRAWINGS, EXCEPT THAT EXCAVATED MATERIALS CONSIDERED AS SUITABLE FOR BACKFILL BY THE SOILS ENGINEER AND APPROVED BY THE RESIDENT ENGINEER MAY BE USED AS BACKFILL. IN ADDITION, ALL TRENCH BEDDING AND BACKFILL SHALL BE CONTINUOUSLY INSPECTED, TESTED, AND CERTIFIED BY A SOILS ENGINEER. FIELD DENSITY TEST SHALL BE MADE AT A FREQUENCY DETERMINED BY THE SOILS ENGINEER AND AS APPROVED BY THE RESIDENT ENGINEER. PRIOR TO ACCEPTANCE OF THE TRENCH BEDDING AND BACKFILL BY THE CONTRACTOR, THE SOILS ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE RESIDENT ENGINEER SUMMARIZING ALL TEST TAKEN, INCLUDING DATES AND LOCATIONS.~~
- TRENCHES SHALL HAVE SHAPED BEDDING.
- NO TRENCH MAY BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE ENGINEER.
- CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS.
- ~~ALL UTILITIES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO STREET PAVING.~~

TRAFFIC CONTROL NOTES

- ~~CONTRACTOR TO PROVIDE TRAFFIC CONTROL PER PLANS AND PER "WATCH MANUAL" AND PER DIRECTION OF THE RESIDENT ENGINEER. ACCESS TO ADJACENT PROPERTIES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.~~
- ~~ALL PERMANENT TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE LOCATED IN THE FIELD BY THE TRAFFIC ENGINEER PRIOR TO FINAL CONSTRUCTION OF THE IMPROVEMENTS.~~
- CONTRACTOR TO REMOVE AND/OR INSTALL PAVEMENT MARKINGS AND STRIPING AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.
- INSTALL BLUE DOT FIRE HYDRANT MARKERS PER CITY STANDARD.

UTILITIES

- SEE "TITLE SHEET" FOR LIST OF UTILITIES AND CONTACTS.

ABBREVIATIONS

AC -	ASPHALT CONCRETE
CAB -	CRUSHED AGGREGATE BASE
CL -	CENTERLINE
C&G -	CURB AND GUTTER
DG -	DISINTEGRATED GRANITE
E/P -	EDGE OF PAVEMENT
FL -	FLOW LINE
FS -	FINISHED SURFACE
MH -	MANHOLE
MR/BW -	MAINTENANCE ROAD/BIKEWAY
OCFCD -	ORANGE COUNTY FLOOD CONTROL DISTRICT
OCSD -	ORANGE COUNTY SANITATION DISTRICT
OCWD -	ORANGE COUNTY WATER DISTRICT
PCC -	PORTLAND CEMENT CONCRETE
R/W -	RIGHT OF WAY
TC -	TOP OF CURB

CALTRANS STANDARD PLANS DATED JULY 1999

A20A	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
A20B	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
A24A	PAVEMENT MARKINGS ARROWS
D73	DRAINAGE INLETS
ES-1A	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS- SYMBOLS AND ABBREVIATIONS
ES-1B	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS- SYMBOLS AND ABBREVIATIONS
ES-2E	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS SERVICE EQUIPMENT AND TYPICAL WIRING DIAGRAM TYPE 111-B SERIES
ES-6A	SIGNAL AND LIGHTING STANDARDS TYPES 15, 21 AND 22
ES-6B	LIGHTING STANDARDS TYPES 15 AND 21 BARRIER RAIL MOUNTED DETAILS
ES-8	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS PULL BOX DETAILS
ES-9B	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS ELECTRICAL DETAILS STRUCTURE INSTALLATIONS
ES-9C	SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS ELECTRICAL DETAILS STRUCTURE INSTALLATIONS
T2	TEMPORARY CRASH CUSHION - SAND FILLED (SHOULDER INSTALLATION)
T3	TEMPORARY RAILING (TYPE K)

BULLETIN # 1

ORANGE COUNTY PUBLIC FACILITIES AND RESOURCES DEPARTMENT	
GLASSELL STREET BRIDGE WIDENING OVER SANTA ANA RIVER	
CIVIL GENERAL NOTES AND ABBREVIATIONS	
DESIGNED <u>S. BUELOW</u>	
DRAWN <u>S. BUELOW</u> CHECKED <u>S. SHARIFAN</u>	
SCALE AS SHOWN	DATE 7/19/02
DRAWING NO. OF 70	

PREPARED UNDER RESPONSIBLE CHARGE OF:

8/22/02

DATE