

DWR-SCDRP-WATER DISTRIBUTION PIPING REPLACEMENT

IN THE CITY OF WESTMORLAND, COUNTY OF IMPERIAL, STATE OF CALIFORNIA

GENERAL NOTES:

- PROJECT WORK TO BE ACCOMPLISHED CONSISTS OF: SAWCUTTING AND REMOVAL OF EXISTING AC PAVEMENT AND BASE MATERIAL, RECYCLING THE MATERIAL, INSTALLING OF A RECYCLER, ABRASION EXISTING WATER PIPING BASE MATERIAL, 8" DIA AND 6" DIA PVC PIPE C-900 COMING THE PLACING NINE (9) INCHES OF CLASS 2 AGGREGATE BASE AND FOUR (4) INCHES OF 3/4" HOT MIX ASPHALT PAVEMENT, ADJUSTING THE PIPE RISER COVER TO GRADE.
- CONTRACTOR WILL NOT STORE MATERIAL, EXCESS DIRT OR EQUIPMENT IN THE RIGHT-OF-WAY OR EXCAVATION WASTE FROM ROADS OR OTHER EQUIPMENT ON COMPLETION OF THE WORK ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE RIGHT-OF-WAY.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY AND ADEQUATE SAFETY PREPARATIONS SUCH AS SIGNS, FLAGS, LIGHT BARRICADES AND FLAG MEN AS REQUIRED BY THE LOCAL AUTHORITIES AND IN ACCORDANCE WITH THE CAUTID.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HOLD HARMLESS THE CITY OF WESTMORLAND THE ENGINEER AND THE OWNER FROM ANY CLAIMS FOR DAMAGE DONE TO EXISTING PRIVATE PROPERTY, PUBLIC UTILITIES, OR TO THE TRAVELING PUBLIC.
- THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST, THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL SEMIEM CONTROL AND AIR POLLUTION ORDINANCES OR RULES.
- BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SERVICES. STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN PLACED TO THE ENGINEER'S SATISFACTION. GENERAL CONTRACTOR'S REPRESENTATIVE MUST APPROVE STAKED ITEMS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO COORDINATE ALL WORK WITH OTHER UTILITY INSTALLATIONS NOT COVERED IN THESE PLANS (ELECTRIC, TELEPHONE, GAS, CABLE, ETC.) AND ALLOW FOR THEIR OPERATIONS AND CONSTRUCTION TO BE PERFORMED.
- CONTRACTOR SHALL REPAIR OR REPLACE IN-KIND ANY DAMAGE THAT OCCURS AS RESULT OF THE WORK, AT CONTRACTOR'S OWN EXPENSE.
- THE TERMS "CONTRACTOR", "THIS CONTRACTOR" AND "SITE CONTRACTOR" ARE DEFINED AS "SITE WORK CONTRACTOR".
- THE TERM "GENERAL CONTRACTOR" "THIS CONTRACTOR" OR "GENERAL CONTRACTOR" SHALL BE DETERMINED BY THE OWNER.
- CONTRACTOR WILL PROTECT IN PLACE ALL SEWER MANHOLES AND WATER VALVES AND WILL RAISE AS SPECIFIED IN CONTRACT TO LEVEL OF NEW ELEVATION OF STREET.
- IN THE CASE OF RUNOFF WATER CONTROL, THE CONTRACTOR SHALL PROTECT ALL EXISTING CURBS, GUTTERS, DRAINAGE DITCHES, OR OTHER HANDFUL MATERIALS.
- CONTRACTOR TO PROVIDE POSITIVE DRAINAGE ON STREET IMPROVEMENTS AND MAINTAIN EXISTING DRAINAGE SLOPES AND PATHS TO MATCH EXISTING GRADES.

WATER NOTES

- WATER WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND MATERIALS AS SPECIFIED IN THE MOST CURRENT EDITION OF THE STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION. CONTRACTOR SHALL HAVE A CURRENT COPY OF THE STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES.
- THE SUBMISSION AND REVIEW OF ALL SUBMITTALS AS REQUIRED BY THE STANDARD SPECIFICATIONS ARE TO BE ACCOMPLISHED PRIOR TO THE PRE CONSTRUCTION MEETING.
- NO WORK MAY BEGIN OR PROCEED WITHOUT DIRECTION OF CITY AND INSPECTOR. INSPECTORS SCHEDULING MUST BE 24-48 HOURS IN ADVANCE OF WORK.
- WHERE ELEVATIONS AND GRADES ARE NOT SHOWN ON THE WATER MAIN PROFILE, TOP OF PIPE PROFILE IS MINIMUM 36-INCHES BELOW FINISH GRADE OF STREET
- 5- UNLESS OTHERWISE NOTED, CONSTRUCTION TO EXISTING MAIN SHALL BE MADE BY THE TIE AND DIRECTION OF ANY SHUTDOWNS OF EXISTING MAINS SHALL BE SUBJECT TO APPROVAL BY THE CITY. CITY SHALL BE NOTIFIED THREE DAYS MINIMUM IN ADVANCE OF ANY SHUTDOWN
- CONTRACTOR SHALL COORDINATE WITH CITY ALL ARRANGEMENTS FOR HIGH-LINKING, TEMPORARY SERVICES, ETC., PRIOR TO SHUTDOWNS. NO SHUTDOWNS WILL BE SCHEDULED ON A FRIDAY.
- LINE VALVES, WHERE REQUIRED AT STREET INTERSECTIONS SHALL BE LOCATED ON THE PROLONGATION OF THE STREET RIGHT-OF-WAY WHEREVER POSSIBLE.
- CONTRACTOR SHALL REVIEW ALL PROPOSED TRENCH WORK WITH CAL/SHSA, A COPY OF EXEMPTION LETTER OR WORKING PERMIT, IF REQUIRED, SHALL BE SUBMITTED TO THE CITY PRIOR TO CONSTRUCTION. ALL WATER SERVICES FOR IRRIGATION, MULTIPLE RESIDENTIAL COMPLEXES (IF APPLICABLE) AND COMMERCIAL OR INDUSTRIAL DEVELOPMENTS SHALL HAVE AN APPROVED BACKFLOW PREVENTION DEVICE ON CUSTOMER'S SIDE OF WATER METER.
- THE WATER SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE PROCEDURES IN THE STANDARD SPECIFICATIONS. THE CLASS OF PIPE SHALL BE USED AS THE DESIGNATED WORKING PRESSURE FOR TESTING ALL PIPES, VALVES (CLOSED) AND APPURTEANCES.
- CONTRACTOR TO TIE OFF ALL VALVE LOCATIONS AND PROVIDE WRITTEN DIMENSIONS TO INSPECTOR IMMEDIATELY UPON INSTALLATION OF VALVES.
- ALL DEFLECTIONS (HORIZONTAL AND VERTICAL) SHALL BE MADE BY USE OF JOINT COUPLINGS WITH 4" MAXIMUM DEFLECTION PER COUPLING (2" PER JOINT), NO BENDING (CURVING) OF PIPE SHALL BE ALLOWED. THE CONTRACTOR SHALL FINISH AND INSTALL PER SPECIFICATIONS, THE APPROPRIATE BURIED UTILITY WARNING IDENTIFICATION TAPE ABOVE ALL PUBLIC UTILITIES INCLUDING WATER AND FIRE LATERALS LOCATED IN PUBLIC RIGHT OF WAY OR EASEMENT.
- THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK BY THE CITY AND SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISCOVERED IN SO DOING, THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE PERIOD OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE CITY, SOONER WHEN AND THEN, UNUSUAL, ADVERSE OR UNUSUAL OCCURS.

CONSTRUCTION NOTES:

- APPROVAL OF THESE PLANS BY THE PUBLIC WORKS DIRECTOR DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL NOTICE TO PROCEED HAS BEEN ISSUED.
- DEVIATION OR CHANGES FROM THESE SIGN PLANS WILL NOT BE ALLOWED UNLESS THERE IS A CONSTRUCTION CHANGE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT IN PLACE: WATER VALVES, SEWER MANHOLES AND COVERS, GAS VALVES, TV OR CABLE BOXES, MONUMENTS, ID PIPES AND BOXES.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS REQUIRED TO PROTECT EXISTING UTILITIES AND SERVICES DURING CONSTRUCTION, INCLUDING DAMAGED OR ADJACENT PROPERTY BE REPAIRED OR REPAIRED TO CONDITION EXISTING PRIOR TO WORK AT THE CONTRACTOR'S COST.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATION, SIZES, DEPTHS, AND PROFILES. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. CONTACT DIG ALERT AT 811.

SPECIAL NOTES:

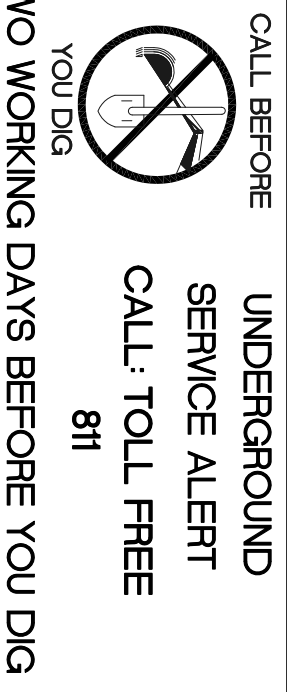
- THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE PUBLIC WORKS DIRECTOR OR HIS REPRESENTATIVE(S) SHALL NOT BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE WITH THE CONTRACT DOCUMENTS, NOR SHALL THE ENGINEER BE REQUIRED TO SUPERVISE CONDUCT OF THE WORK OF THE CONTRACTOR OR SUBCONTRACTORS OR THEIR RESPECTIVE EMPLOYEES OR BY ANOTHER PERSON AT THE JOB SITE OTHER THAN THAT OF THE ENGINEER'S EMPLOYEES.
- THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IF IT IS THE CONTRACTOR'S PROPR RESPONSIBILITY TO CONTACT THE FOLLOWING OWNERS OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK.
 - WATER/SEWER UTILITY, CITY OF WESTMORLAND (760) 344-3411
 - IMPERIAL IRRIGATION DISTRICT (POWER) (760) 339-9280
 - IMPERIAL IRRIGATION DISTRICT (WATER) (760) 339-9263
 - AT&T (800) 442-4133
 - THE GAS CO. (800) 422-4133/(800) 227-2600
 - SPECTRUM (760) 335-4800
 - BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES. CONTACT ALERT 72 HOURS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL TAKE DUE CARE OF THE CONSTRUCTION BY MAINTAINING TRAFFIC CONTROL AND DEVICES.
 - THE CONTRACTOR SHALL NOTIFY EACH HOME OWNER AND BUSINESS AFFECTED BY THE CONSTRUCTION BY TYPED NOTES, NOTICES OF PARKING RESTRICTIONS AND WATER OUTAGES DURING CONSTRUCTION. TYPERS WILL BE PROVIDED THROUGH THE CITY, AND CONTRACTOR MUST COORDINATE DATE AND TIME WITH THE PUBLIC WORKS DIRECTOR AND POLICE DEPARTMENT.
 - THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERN, A WATER FLOW TEST SHALL BE PERFORMED ON NEWLY CONSTRUCTED CURB & GUTTER IN THE PRESENCE OF THE RESIDENT ENGINEER. COST FOR REMEDIAL ACTIVITIES, IF NECESSARY, SHALL BE COVERED BY CONTRACTOR.

TRAFFIC CONTROL NOTES:

- CONTRACTOR WILL SUBMIT A TRAFFIC CONTROL PLAN PREPARED BY A CALIFORNIA LICENSED ENGINEER TO THE PUBLIC WORKS DIRECTOR PRIOR TO START OF WORK.
- ALL TRAFFIC CONTROL SHALL COMPLY WITH CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (COMAUTO).
 - ALL DELINEATORS WILL BE EQUIPPED WITH A REFLECTIVE BAND FOR NIGHTTIME VISIBILITY.
 - FLASHING YELLOW BEACONS SHALL BE USED ON ALL C18 SIGNS AND ALL TYPE II BARRICADES SURROUNDING THE WORK AREA OVERNIGHT.
 - ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
 - ALL DELINEATORS SHALL BE 28" PORTABLE, REFLECTORIZED, AND MAINTAINED ERECT IN POSITION AT ALL TIMES, AND SHALL BE REPAIRED OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.
 - THE CONTRACTOR SHALL MAINTAIN ON A 24-HOUR BASIS ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC.
 - THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED BEFORE COMMENCING CONSTRUCTION.
 - ADDITIONAL TRAFFIC CONTROL SIGNS, DELINEATORS OR BARRICADES MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL PROVIDE FOR SAFE PEDESTRIAN ACCESS AT ALL TIMES, INCLUDING SPECIAL ATTENTION TO SCHOOL, PEDESTRIAN TRAFFIC.
 - THE CONTRACTOR SHALL ENSURE THE POSTING OF "TEMPORARY NO PARKING TOW AWAY" SIGNS DURING THE TIME AND DATE OF ANY SUCH RESTRICTION 72 HOURS PRIOR TO WORK.
 - THE CONTRACTOR SHALL NOTIFY ALL EMERGENCY AGENCIES (POLICE, FIRE, COUNTY FIRE SHERIFF, CHP).
 - THE CITY OF WESTMORLAND RESERVES THE RIGHT TO MAKE ANY NECESSARY CHANGES TO BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO CHANGE. CONTRACTOR WILL USE FLAG PERSONNEL AS DETERMINED NECESSARY.

APPROVED BY PUBLIC WORKS DIRECTOR

CITY OF WESTMORLAND



TWO WORKING DAYS BEFORE YOU DIG

ENGINEER OF RECORD

PLANS PREPARED UNDER THE SUPERVISION OF

BY: ROBERTO C. MARTINEZ
R.C.E. NO.: 74475

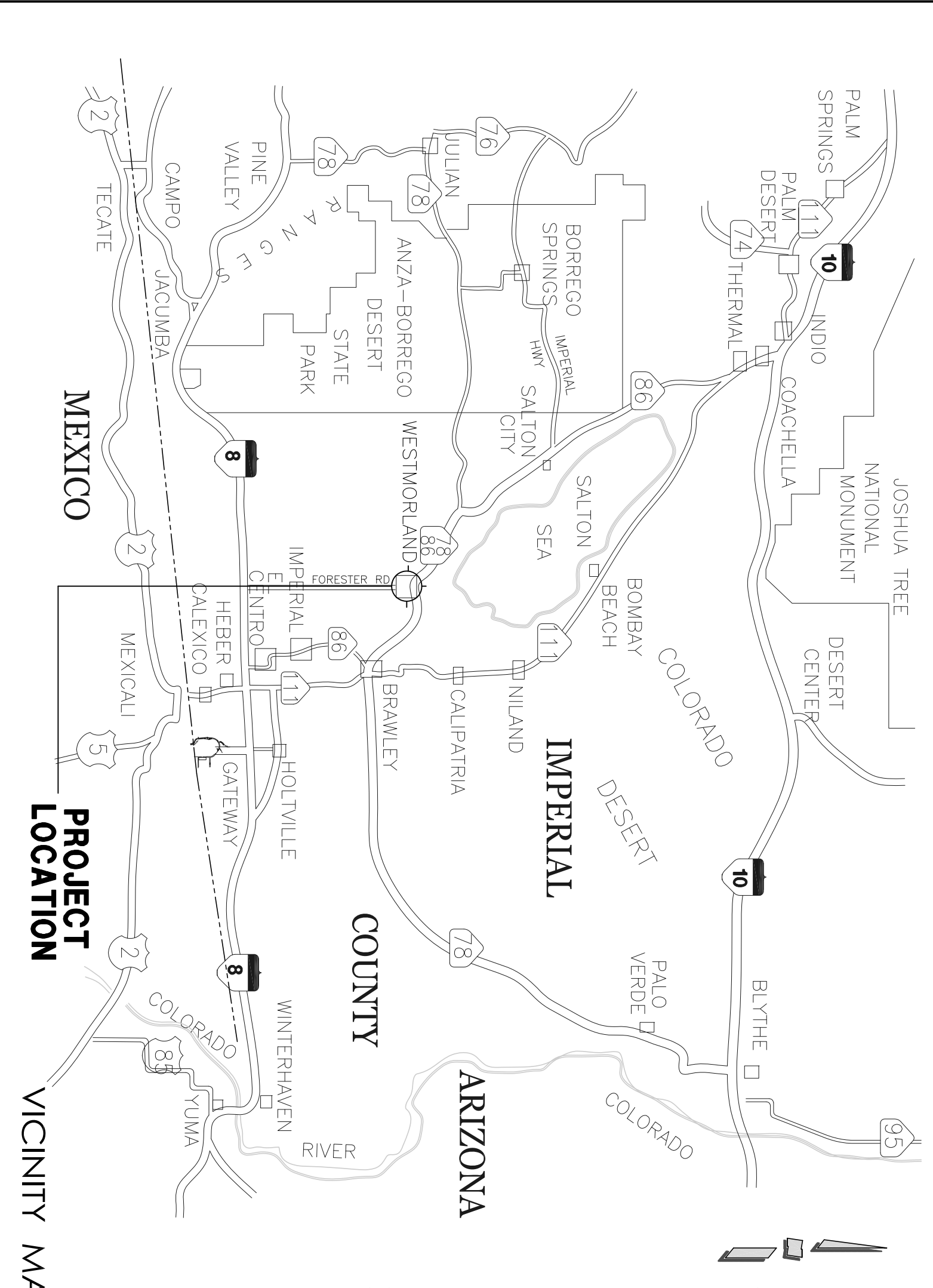


NO.	REVISION	DATE	BY

NOTE: THE ENGINEER'S SEAL ATTACHED BEFORE INDICATES THAT THE METHOD OF ANALYSIS PRESENTED IS CONSISTENT WITH ACCEPTED ENGINEERING PRACTICES AND CODE ACCEPTED DESIGN VALUES AND THAT THIS COMMENT IS SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH ENGINEERING WORK SHOWN ON THIS PLAN.

ENGINEERING & SURVEYING, INC.
 Phone (760) 363-9652 344 WEST CROWN CT. STE 100
 Fax (760) 363-9761 IMPERIAL, CA 92251

DWR-SCDRP- Water Distribution Piping Replacement
TITLE SHEET
 SHEET: 1 OF: 7
 IN THE CITY OF WESTMORLAND, CA DATE: 12/12/2024
 CLIENT: CITY OF WESTMORLAND BY: R.W. JOB NO.: 23-105



PROJECT DESCRIPTION:

PROJECT WORK TO BE ACCOMPLISHED CONSISTS OF: SAWCUTTING AND REMOVAL OF EXISTING AC PAVEMENT AND BASE MATERIAL, RECYCLING THE MATERIAL OR HAULING TO A RECYCLER, INSTALL 8" DIA AND 6" DIA PVC PIPE C-900 COMPACTING THE BASE MATERIAL, PLACING FOUR (4) INCHES OF 3/4" AGGREGATE HOT MIX ASPHALT PAVEMENT, ADJUSTING THE PIPE RISER COVER TO GRADE

STANDARD SPECIFICATIONS:

CURRENT VERSION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK)

MUTCD:

- THE TRAFFIC CONTROL PLAN AND ALL STRIPING AND SIGNS WILL CONFORM TO THE MUTCD 2009 EDITION WITH REVISION NUMBERS 1 AND 2 INCORPORATED, DATED MAY 2012.

MONUMENT RESPONSIBILITY NOTE:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENT AND/OR BENCHMARKS WHICH WILL BE DESTROYED OR DESTROYED BY CONSTRUCTIONS. SUCH POINTS WILL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTS BY A LICENSED LAND SURVEYOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.

PROJECT ADDRESS:

STREETS OF WESTMORLAND
 WESTMORLAND, CA 92281
ENGINEER:
 ROBERTO C. MARTINEZ
 LICENSED PROFESSIONAL ENGINEER
 BLANCHARD AND SUPERVISING, INC.
 344 WEST CROWN COURT, SUITE 100
 IMPERIAL, CA 92251
 PH: (760) 353-3552

SHEET INDEX:

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3	WATER PIPE REPLACEMENT FROM: 3RD STREET BETWEEN C STREET AND G STREET
4	WATER PIPE REPLACEMENT FROM: WATER STREET BETWEEN J STREET AND D STREET
5	WATER PIPE REPLACEMENT FROM: 1ST STREET BETWEEN COCK STREET AND B STREET, ALLEY BOUND, BETWEEN COCK STREET AND CENTER STREET, CENTER STREET BETWEEN BOWNA STREET AND 1ST STREET
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7	CONSTRUCTION DETAILS AND SPECIFICATIONS

DEMOLITION KEYNOTES:

- ▲ SAWCUT EXISTING PAVEMENT REMOVE, AND DISPOSE OF EXIST. AC LOCATION: AS INDICATED ON PLANS

CONSTRUCTION KEYNOTES:

- CONSTRUCT AC PAVEMENT (FULL SECTION) PER DETAIL. (1)

WATER KEYNOTES:

- INSTALL 8" DIA. PVC C-900 DR. 18 WATER LINE PER DETAIL. (2)
- INSTALL 6" DIA. PVC C-900 DR. 18 WATER LINE PER DETAIL. (2)
- FIRE HYDRANT PER DETAIL. (2)
- INSTALL 8" WATER VALVE (2)
- INSTALL 6" WATER VALVE (2)
- ADJUST TO GRADE EXIST. WATER VALVE, AS NECESSARY (2)
- RECONNECT WATER SERVICE PER DETAIL. (4)

WATER NOTE:

WATER SERVICES: THE CITY OF WESTMORLAND AND CONTRACTOR TO COORDINATE WATER SERVICES LOCATION AND/OR REPLACEMENT OF EXISTING WATER SERVICES.

CONTRACTOR NOTES:

- CONTRACTOR WILL PROVIDE A TRAFFIC CONTROL PLAN PRIOR TO THE CONSTRUCTION BEGINNING.
- CONTRACTOR SHALL OBTAIN CONSTRUCTION STORMWATER PERMIT FROM THE STATE OF CALIFORNIA, IF REQUIRED.
- PURCHASER CITY WATER.
- THE CONTRACTOR SHALL SUBMIT MATERIALS SUBMITTALS FOR REVIEW AND APPROVAL BY THE CITY OF WESTMORLAND PUBLIC WORKS DEPARTMENT - ENGINEERING DIVISION. THIS INCLUDES: ASPHALT, BASE, CONCRETE, SAND, PIPES, FITTINGS, VALVES, ETC.