



GENERAL NOTES FOR PUBLIC IMPROVEMENT PLANS PUBLIC WORKS DEPARTMENT

GENERAL

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE SPECIFICATIONS AND STANDARD PLANS OF THE DEPARTMENTS OF WATER AND POWER AND PUBLIC WORKS OF THE CITY OF CORONA AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

THESE DRAWINGS AND THE DATE HEREIN ARE MADE PART OF THE SPECIFICATIONS.

2. PRIOR TO ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL OBTAIN A CITY BUSINESS LICENSE AND A PUBLIC WORKS CONSTRUCTION PERMIT.
3. PUBLIC WORKS INSPECTION SHALL BE CALLED FOR ANY WORK THROUGH THE CITY OF CORONA, 48 HOURS PRIOR TO STARTING WORK: (951) 279-3511.
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (DIAL 811) TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES, THAT COULD AFFECT ANY UNDERGROUND UTILITY, INCLUDING PAVEMENT REMOVAL, EXCAVATION, OR AC OVERLAY AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO PERMIT ISSUANCE.
5. THE CONTRACTOR SHALL OUTLINE THE EXCAVATION IN ACCORDANCE WITH GOVERNMENT CODE 4216 AND NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST TWO FULL WORKING DAYS (48 HOURS MINIMUM) PRIOR TO ANY CONSTRUCTION.
6. 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 THAT COULD DAMAGE OR CONFLICT WITH SAID STRUCTURES AND/OR UTILITIES.
7. ALL MATERIALS AND METHODS ARE SUBJECT TO THE APPROVAL OF THE PUBLIC WORKS DIRECTOR.
8. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED OR ALTERED EXISTING IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
9. IF ANY EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, WORK SHALL STOP AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
10. ALL IRRIGATION LINES ARE TO BE REMOVED RELOCATED OR RECONSTRUCTED AS SHOWN OR AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.

11. ALL SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED IN PLACE. ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.
12. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER OF RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR APPROVAL.
13. AS-BUILT ORIGINAL PLANS ARE TO BE FURNISHED TO THE CITY AFTER COMPLETION OF CONSTRUCTION.

STREETS

1. ACTUAL THICKNESS OF BASE MATERIAL TO BE DETERMINED BY SOILS TEST AND RECOMMENDED BY THE GEOTECHNICAL ENGINEER UPON REVIEW OF THE SOILS TEST. R-VALUES, SAND EQUIVALENTS AND RECOMMENDED STRUCTURAL SECTION OF STREETS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL UPON COMPLETION OF ROUGH GRADING.
2. THE CONTRACTOR SHALL NOT ORDER OR PLACE ANY PORTLAND CEMENT CONCRETE OR ASPHALT CONCRETE PAVING UNTIL THE FORMS, SUBGRADE AND/OR AGGREGATE BASE HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER IN THE FIELD.
3. DRIVEWAY LOCATIONS SHALL BE DETERMINED IN THE FIELD AT THE TIME OF BUILDING CONSTRUCTION, UNLESS LOCATIONS ARE SHOWN ON THE APPROVED PLANS.
4. ALL NEW OR EXISTING MANHOLES SHALL BE ADJUSTED TO GRADE IN ACCORDANCE WITH STANDARD PLAN NO. 152.
5. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING AND UNTIL ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED UNLESS APPROVED OTHERWISE BY THE PUBLIC WORKS DIRECTOR.

TRAFFIC

1. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED BY THE PUBLIC WORKS DEPARTMENT TRAFFIC SECTION FOR ALL PROPOSED TRAFFIC CONTROL PRIOR TO ANY CONSTRUCTION WORK. THE TRAFFIC CONTROL PLAN SHALL BE DESIGNED PER THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). ACCESS TO ADJACENT PROPERTIES AND BUSINESSES IS TO BE MAINTAINED AT ALL TIMES.
2. ALL PERMANENT TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE LOCATED IN THE FIELD BY THE TRAFFIC ENGINEER PRIOR TO FINAL CONSTRUCTION OF THE IMPROVEMENTS.
3. THE CONTRACTOR SHALL REMOVE AND/OR INSTALL PAVEMENT MARKINGS AND STRIPING AS REQUIRED BY THE ENGINEER IN THE FIELD.
4. STREET NAME SIGNS AND STOP SIGNS ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH CITY STANDARD PLAN NOS. 512, 514, 515, 516, 517, 519, 520 AND 521.
5. INSTALL BLUE DOT FIRE HYDRANT MARKERS PER STANDARD PLAN NO. 531.

EXCAVATION

1. ALL TRENCH BEDDING AND BACKFILL SHALL BE PERFORMED IN ACCORDANCE WITH STANDARD PLAN NOS. 149 AND 150, AND SHALL BE CONTINUOUSLY INSPECTED, TESTED AND CERTIFIED BY A GEOTECHNICAL ENGINEER.
2. ALL **SEWER AND WATER** TRENCH BEDDING AND BACKFILL SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF STANDARD PLAN NOS. 149 AND 150 EXCEPT THAT EXCAVATED MATERIALS CONSIDERED AS SUITABLE FOR BACKFILL BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DIRECTOR MAY BE USED FOR BACKFILL. IN ADDITION, ALL TRENCH BEDDING AND BACKFILL SHALL BE CONTINUOUSLY INSPECTED, TESTED, AND CERTIFIED BY A GEOTECHNICAL ENGINEER. CERTIFICATION SHALL BE ON A CITY “**SUPERVISED TRENCH BEDDING AND BACKFILL INSPECTION CERTIFICATE.**” FIELD DENSITY TESTS SHALL BE MADE AT A FREQUENCY DETERMINED BY THE GEOTECHNICAL ENGINEER AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR. PRIOR TO ACCEPTANCE OF THE TRENCH BEDDING AND BACKFILL BY THE CITY, THE GEOTECHNICAL ENGINEER SHALL SUBMIT A CERTIFIED REPORT TO THE PUBLIC WORKS DIRECTOR SUMMARIZING ALL TESTS TAKEN, INCLUDING DATES AND LOCATIONS.
3. TRENCHES SHALL HAVE SHAPED BEDDING.
4. DURING THE WORKING DAY, TRENCHES MAY BE LEFT OPEN ACROSS ONLY ONE ACCESS STREET AT A TIME. NO TRENCH MAY BE LEFT OPEN OVERNIGHT UNLESS AUTHORIZED IN WRITING BY THE CITY.
5. CARE SHALL BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITE, THE PUBLIC WORKS DIRECTOR MAY REQUIRE TEMPORARY GUNITE SWALES, ENTERING OR LEAVING IMPROVEMENTS.
6. ALL UTILITIES SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO STREET PAVING.

UTILITIES

1. PRIOR TO TAKING ANY WATER FROM A CITY FIRE HYDRANT, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE PUBLIC WORKS DEPARTMENT TO OBTAIN A FIRE HYDRANT WATER METER TO BE USED AT APPROVED LOCATIONS ONLY. CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED BACKFLOW DEVICE AND PROVIDE CERTIFICATION TO THE INSPECTOR.
2. CONTRACTOR SHALL NOT OPERATE ANY MAIN LINE WATER VALVE OR HYDRANT VALVE.
3. ALL CONNECTIONS TO EXISTING WATER MAINS SHALL BE DONE BY THE CONTRACTOR UNDER THE SUPERVISION OF THE PUBLIC WORKS DIRECTOR. CONNECTIONS SHALL BE MADE AFTER 9:00 A.M. OR AS DIRECTED BY THE DEPARTMENT OF WATER AND POWER.
4. IF A NIGHTTIME SHUTDOWN IS REQUIRED FOR WATER AND/OR SEWER TIE-INS, THE CONTRACTOR SHALL POST, IN ADVANCE, SUFFICIENT DEPOSITS WITH THE PUBLIC WORKS DEPARTMENT TO COVER OVERTIME INSPECTION. SHUTDOWN REQUESTS MUST BE SUBMITTED TO AND APPROVED BY THE DEPARTMENT OF WATER AND POWER.

5. WATER METER BOXES SHALL BE CONSIDERED TO BE PART OF THE WATER SERVICE AND SHALL BE BROUGHT TO GRADE AND LEVELED BEFORE THE CITY WILL INSTALL ANY WATER METERS. IN ACCORDANCE WITH DWP STANDARD PLANS, THE CONTRACTOR SHALL PROVIDE NO. 5 METER BOXES FOR 1" WATER SERVICES AND NO. 6 FOR 2" WATER SERVICES.
6. WATER SERVICES TO BE A MINIMUM OF 10' HORIZONTAL DISTANCE FROM SEWER LATERALS.
7. A CONTINUOUS DETECTION WIRE (#12 COPPER INSULATED) SHALL BE PLACED DIRECTLY OVER AND TIED TO ALL NON-METALLIC PIPE AND CARRIED TO AND ATTACHED ON INSIDE OF VALVE BOX 6" BELOW CAP.
8. THRUST BLOCKS FOR WATER FACILITIES ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE DEPARTMENT OF WATER AND POWER. USE FULLY RESTRAINED JOINTS.
9. A COPPER WATER SERVICE, SIZE NOTED ON THE PLANS, TO BE PROVIDED TO EACH LOT.
10. ALL WATER LINES 8 INCHES IN SIZE AND SMALLER SHALL BE INSTALLED WITH 36 INCHES OF MINIMUM COVER, FROM FINISHED SURFACE. ALL WATER LINES 12 INCHES IN SIZE AND LARGER SHALL BE INSTALLED WITH 42 INCHES OF MINIMUM COVER FROM FINISHED SURFACE.
11. ALL ON-SITE AND OFF-SITE WATER VALVES SHALL BE SET TO GRADE BY THE CONTRACTOR.
12. ALL FIRE HYDRANTS WHICH HAVE NOT BEEN ACCEPTED FOR SERVICE SHALL BE COVERED WITH A SACK INDICATING THAT THE HYDRANTS ARE NOT IN SERVICE. ALL FIRE HYDRANTS SHALL BE SUPPLIED WITH 1 ½-INCH OPERATING NUTS.
13. THE CONTRACTOR SHALL KEEP A STRICT RECORD OF THE LOCATION OF THE WYES, TEES AND SEWER LATERAL STUBS. SUCH RECORDS SHALL BE THE PROPERTY OF THE CITY OF CORONA UPON COMPLETION OF THE WORK.
14. SEWER LATERAL (RESIDENTIAL-GREEN P.V.C., SDR21 AND NON-RESIDENTIAL- EXTRA-STRENGTH VITRIFIED CLAY PIPE (VCP) WITH CERAMIC EPOXY LINING AND WRAPPED WITH GREEN COLORED POLYETHYLENE ENCASMENT), SIZE AS NOTED ON THE PLANS, SHALL BE CONSTRUCTED TO EACH LOT. CONTRACTOR SHALL MARK A CHISELED "S" ON CURB AT LATERAL LOCATION PER CITY STANDARD NO. 301.

STREET LIGHTS

1. SPLICING OF STREET LIGHT CONDUCTOR ONLY PERMITTED IN PULL BOXES.