

**PLEASE INCLUDE THE FOLLOWING STANDARD NOTES ON ALL SITE DEVELOPMENT PLANS,
PUBLIC IMPROVEMENT PLANS AND CONSTRUCTION DOCUMENTS**

DIVISION 1-GENERAL PROVISIONS

1. ALL SITE CONSTRUCTION SHALL BE ACCORDING TO THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) PROGRAM SPECIFICATIONS, LATEST EDITION, AS SUPPLEMENTED BY CITY OF CEDAR RAPIDS REQUIREMENTS, UNLESS OTHERWISE NOTED ON THE DRAWINGS. A COPY OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) PROGRAM SPECIFICATIONS REFERENCED IN THESE PLANS CAN BE FOUND AT <http://www.iowasudas.org/>.
2. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL 1-800-292-8989, NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.
3. THE CITY OF CEDAR RAPIDS IS RESPONSIBLE FOR INSPECTION WITHIN THE PUBLIC RIGHT-OF-WAYS. INSPECTIONS FOR PUBLIC WATER MAIN EXTENSIONS AND WATER SERVICES SHALL BE PROVIDED BY THE UTILITIES DEPT. INSPECTIONS FOR OTHER PUBLIC IMPROVEMENTS WILL BE PROVIDED BY THE CEDAR RAPIDS PUBLIC WORKS DEPARTMENT CONSTRUCTION ENGINEERING DIVISION. PROVIDE A MINIMUM OF 72 HOURS NOTICE PRIOR TO STARTING CONSTRUCTION.
4. PLEASE REFER TO SUDAS 1070 2.07 FOR GENERAL UTILITY NOTES. ABANDONED UTILITIES NOT SHOWN ON THE PLANS MAY EXIST WITHIN THE CONSTRUCTION LIMITS. IF ENCOUNTERED, CONTRACTOR SHALL CONFIRM SAID UTILITIES ARE ABANDONED. CONTRACTOR IS RESPONSIBLE FOR REMOVING THESE LINES AS NECESSARY FOR CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY SANITARY AND STORM SEWER PIPE SIZES AND INVERTS PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING MANHOLES AND/OR PIPE.
6. CONTRACTOR SHALL REPAIR ALL FIELD/DRAIN TILES ENCOUNTERED DURING CONSTRUCTION AS SPECIFIED OR AT A MINIMUM TO ALLOW FLOW USING LIKE MATERIAL IN NEW CONDITION WITH CITY APPROVED CONNECTIONS. CONTRACTOR SHALL RECORD EXISTING TYPE, SIZE, LOCATION AND DEPTH OF ALL FIELD/DRAIN TILES ENCOUNTERED AND REPAIRED DURING CONSTRUCTION. PROVIDE DATA TO THE CITY FOR INCORPORATION INTO RECORD DRAWINGS.
7. CONTRACTOR SHALL NOT STORE EQUIPMENT AND/OR MATERIALS WITHIN PUBLIC RIGHT-OF-WAY ON STREETS AND/OR ALLEYS OPEN TO TRAFFIC. CONTRACTOR SHALL PROVIDE AREAS AS NEEDED FOR STORAGE OF EQUIPMENT AND/OR MATERIALS.
8. CONTRACTOR SHALL ASSIST THE CITY INSPECTOR WITH DAILY RECORD KEEPING INCLUDING DOCUMENTING ALL NECESSARY FIELD LOCATIONS AND MEASUREMENTS.

DIVISION 5-WATER NOTES 10-23-20

1. ALL PERMITS SHALL BE SECURED AND FEES SHALL BE PAID PRIOR TO START OF CONSTRUCTION.
2. WATER INSPECTION AND WORK ORDER REQUESTS; CONTACT WATER ENGINEERING AT:
CALL: 319-286-5950 OR E-MAIL: WATER-ENGINEERING-ADMIN@CEDAR-RAPIDS.ORG
FIVE (5) DAYS NOTICE REQUIRED PRIOR TO STARTING WATER CONSTRUCTION
 - WATER PROJECT START-WORK ORDER
48-HOUR MINIMUM NOTICE REQUIRED TO SCHEDULE WATER SUPPLY INTERRUPTION
 - WATER SHUT-DOWN WORK ORDER
24-HOUR MINIMUM NOTICE REQUIRED FOR THE FOLLOWING:
 - WATER TAP WORK ORDER
 - FILL & FLUSH WORK ORDER
 - BACTERIA TESTING WORK ORDER
 - PRESSURE TESTING WORK ORDER
 - OTHER WATER SYSTEM RELATED SERVICES
3. THE CONTRACTOR IS REQUIRED TO NOTIFY IOWA ONE CALL (1-800-292-8989) NOT LESS THAN 48 HOURS PRIOR TO EXCAVATION, EXCLUDING WEEKENDS AND LEGAL HOLIDAYS.
4. CONSTRUCTION OF PUBLIC AND PRIVATE WATER SYSTEM IMPROVEMENTS REQUIRES AN APPROVED PLAN SET ON FILE AT THE CEDAR RAPIDS WATER DEPARTMENT ADMINISTRATION BUILDING, LOCATED AT 1111 SHAVER ROAD NE, PRIOR TO RECEIVING START-WORK APPROVAL.
5. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CEDAR RAPIDS WATER DIVISION FOR ANY VARIANCE FROM THE APPROVED PLAN.
6. ON SITE INSPECTION OF WATER MAIN INSTALLATION WILL BE PROVIDED BY CEDAR RAPIDS WATER DIVISION. THE WATER DIVISION SHALL OPERATE ALL SYSTEM VALVES AND FIRE HYDRANTS IN CONJUNCTION WITH THE WORK.
7. WATER MAIN DESIGN, MATERIALS, INSTALLATION, DISINFECTION, AND TESTING MUST COMPLY WITH CEDAR RAPIDS STANDARD SUPPLEMENTAL SPECIFICATION TO STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) AND AMERICAN WATER WORKS ASSOCIATION (AWWA) DISINFECTING WATER MAINS STANDARD C651. THIS APPLIES TO ALL PUBLICLY AND PRIVATELY OWNED WATER MAINS AND SERVICE LINES ON THE DISTRIBUTION SIDE OF THE METER. FOR PUBLICLY ACCEPTED IMPROVEMENTS CONSTRUCTED AS PART OF A SUBDIVISION, THE CONTRACTOR SHALL PURCHASE FIRE HYDRANTS AND VALVES FROM THE CITY PER CURRENT POLICY. EXCEPTIONS MUST BE PRE-APPROVED BY CEDAR RAPIDS WATER DIVISION.
8. REQUIREMENTS FOR SEPARATION OF WATER MAINS AND SEWERS IS CONTAINED WITHIN THE CEDAR RAPIDS STANDARD SUPPLEMENTAL SPECIFICATION TO SUDAS, SECTION CR-5010 PIPE AND FITTINGS.
9. CONTRACTOR SHALL INSTALL TRACER WIRE ON ALL PUBLICLY AND PRIVATELY OWNED WATER MAINS AND FIRE SERVICE LINES IRRESPECTIVE OF WATER MAIN MATERIAL. COMPLY WITH FIGURE CR 5010.102 FOR TRACER WIRE INSTALLATION. ENCASE ALL PIPE, VALVES, AND FITTINGS WITH POLYETHYLENE WRAP

ACCORDING TO CEDAR RAPIDS STANDARD SUPPLEMENTAL SPECIFICATION TO SUDAS, SECTION CR-5010 PIPE AND FITTINGS 3.03.

10. WATER MAINS AND LARGE SERVICES (3 INCH OR LARGER) OVER 20 FEET IN LENGTH ARE REQUIRED TO BE DISINFECTED, FLUSHED, FILLED AND PRESSURE TESTED IN ACCORDANCE WITH CEDAR RAPIDS STANDARD SUPPLEMENTAL SPECIFICATION TO SUDAS, SECTION CR-5030 TESTING AND DISINFECTION.

DO NOT ALLOW HEAVILY CHLORINATED WATER TO REMAIN IN THE PIPELINE FOR MORE THAN 48 HOURS. THOROUGHLY FLUSH CHLORINATED WATER FROM THE PIPELINE UNTIL THE REPLACEMENT WATER WILL BE EQUAL IN QUALITY TO PERMANENT SOURCE OF SUPPLY THROUGHOUT THE LENGTH OF THE PIPELINE. NEUTRALIZE THE CHLORINATED WATER BY TREATING WITH SODIUM BISULFITE, SODIUM SULFITE, SODIUM THIOSULFATE OR EQUAL APPROVED CHEMICAL BEFORE DISPOSAL.

THE CONTRACTOR IS RESPONSIBLE FOR WATER MAIN FLUSHING OPERATIONS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, VERIFYING PROCEDURES, PROVIDING ADEQUATE PERSONNEL AND EQUIPMENT, OBTAINING APPROVAL TO DISCHARGE INTO STORM OR SANITARY SEWERS, MONITORING SEWERS FOR BACK-UPS, MONITORING FLOW AND DECHLORINATION RESULTS. DISPOSAL OF HIGHLY CHLORINATED WATER SHALL BE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL CODES.

11. UNLESS SPECIFICALLY APPROVED OTHERWISE, ALL LATERAL CONNECTIONS TO EXISTING MAINS (4 INCH OR LARGER) THAT HAVE BEEN PREVIOUSLY TESTED AND TURNED INTO SERVICE SHALL UTILIZE A 'LIVE' TAP WITH AN APPROVED TAPPING SLEEVE OR SADDLE AND VALVE.
12. ALL SERVICE TAP MATERIALS ARE TO BE FURNISHED BY THE CONTRACTOR. THE CEDAR RAPIDS WATER DIVISION WILL MAKE TAPS UP TO 12 INCHES USING CONTRACTOR SUPPLIED MATERIALS THAT COMPLY WITH CEDAR RAPIDS STANDARD SUPPLEMENTAL SPECIFICATION TO SUDAS. TAPS LARGER THAN 12 INCHES MUST BE MADE BY QUALIFIED CONTRACTOR WITH WATER DIVISION PERSONNEL ON SITE.
13. WARRANTY: FOR THAT PORTION OF THE WATER SYSTEM IMPROVEMENTS THAT ARE TO BE ACCEPTED INTO THE PUBLIC WATER DISTRIBUTION SYSTEM, THE CONTRACTOR SHALL WARRANT THE WORKMANSHIP AND MATERIAL OF THE INSTALLED IMPROVEMENTS FOR A PERIOD OF FOUR (4) YEARS FROM DATE OF ACCEPTANCE AND SHALL FURNISH THE MUNICIPALITY WITH A MAINTENANCE BOND COVERING THE COST OF THE WATER IMPROVEMENTS FOR THAT PERIOD. NO WATER SERVICE SHALL BE PROVIDED PRIOR TO RECEIPT OF THE REQUIRED MAINTENANCE BOND.
14. IF INSTALLATION OF A CASING PIPE IS REQUIRED, IT SHALL COMPLY WITH SUDAS STANDARD SPECIFICATIONS, SECTION 3020 – TRENCHLESS CONSTRUCTION, AND INCLUDE CASING SPACERS AND WATERTIGHT MECHANICAL RUBBER END SEALS.

DIVISION 8-TRAFFIC CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED TRAFFIC CONTROL PLANS TO THE ENGINEER FOR ALL STAGES OF WORK. WRITTEN NOTICE SHALL BE PROVIDED TO THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF ROADWAY CLOSURES AND STAGE TRANSITIONS.
2. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH SUDAS SECTION 8030 – TEMPORARY TRAFFIC CONTROL.

DIVISION 9-EROSION CONTROL NOTES

1. CONTRACTOR SHALL FURNISH AND MAINTAIN EROSION CONTROL AND WATER QUALITY SYSTEMS PER THE PLAN SWPPP. TO SATISFY THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT, THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN THE TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS. CONTRACTOR SHALL ALSO PREPARE, PROVIDE, AND MAINTAIN A STORMWATER POLLUTION PREVENTION PLAN PER SUDAS 9040.
2. CONTRACTOR AND ALL SUBCONTRACTORS WORKING ON THE SITE SHALL SIGN THE NPDES PERMIT AS CO-PERMITTEES PRIOR TO CONDUCTING ANY LAND DISTURBING ACTIVITIES ON THE SITE.
3. CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL EXISTING AND CONSTRUCTED DRAINAGE CHANNELS AND DRAINAGE STRUCTURES. CONTRACTOR IS LIABLE FOR ALL DAMAGE TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN THE HANDLING OF STORM WATER FLOWS DURING CONSTRUCTION. EXTRA GRADING WORK NECESSARY TO MAINTAIN POSITIVE DRAINAGE WITHIN THE CONSTRUCTION LIMITS IS CONSIDERED INCIDENTAL TO CONSTRUCTION OR RELATED BID ITEMS.