

WATERWORK GENERAL NOTES

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SCOPE OF WORK

THE WORK CONTEMPLATED UNDER THIS CONTRACT COMPRISES OF ADJUSTING WATER VALVE BOXES, WATER METER BOXES AND WATER SERVICE STOP BOXES TO GRADE.

THE CONTRACTOR SHALL DO ALL THE WORK AND FURNISH ALL THE LABOR AND MATERIAL NECESSARY FOR THE FINAL COMPLETION OF THIS CONTRACT IN THE MANNER AND UNDER THE CONDITION HEREIN SPECIFIED AND PROVIDED AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS.

ALL WATERLINE WORK SHALL BE DONE BY A CONTRACTOR THAT IS LICENSED BY THE LAKE COUNTY UTILITIES DEPARTMENT.

DEFINITIONS

WHENEVER IN THESE SPECIFICATIONS OR IN ANY DOCUMENTS OR INSTRUCTIONS IN CONSTRUCTION WHERE THESE SPECIFICATIONS GOVERN, THE FOLLOWING TERMS ARE USED, OR PRONOUNS IN PLACE OF THEM, THE INTENT AND MEANING SHALL BE INTERPRETED AS FOLLOWS:

THE COUNTY:

THE COUNTY IS THE LAKE COUNTY UTILITIES DEPARTMENT.

STATUS OF COUNTY INSPECTION

INSPECTORS AS DESIGNATED BY THE COUNTY SHALL BE AUTHORIZED TO INSPECT ALL WORK DONE AND MATERIALS FURNISHED. SUCH INSPECTION MAY EXTEND TO ALL OR ANY PART OF THE WATERWORK, AND TO THE PREPARATION OR MANUFACTURE OF THE WATERWORK AND TO THE PREPARATION OR MANUFACTURE OF THE MATERIALS TO BE USED IN THE WATERWORKS. THE INSPECTOR, AS DESIGNATED BY THE COUNTY, SHALL MAKE WORK INSTRUCTIONS THROUGH THE PROJECT ENGINEER.

SPECIFICATIONS

THE STANDARD CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE LAKE COUNTY REGIONAL SEWER DISTRICT NO. 1 DATED FEBRUARY 15, 1983 SHALL GOVERN ALL WATERWORK ON THIS PROJECT EXCEPT AS SPECIFICALLY MODIFIED HEREIN.

INCIDENTAL WATERWORK ITEMS

ATTENTION IS CALLED TO THE FACT THAT THE WORK OF THIS CONTRACT INCLUDES CERTAIN PERFORMANCES AS INCIDENTAL TO THE ITEMIZED REQUIREMENTS HEREOF, THOUGH NOT EXCLUSIVE AS FOLLOWS: TO PERFORM ALL EXCAVATION, BACKFILLING, SHEETING, SHORING, TEMPORARY PAVING, CHLORINATION AND TESTING OF THE WATERWORKS. GRANULAR MATERIAL (O.D.O.T. ITEM 310) BACKFILL SHALL BE PLACED UNDER EXISTING AND PROPOSED PAVEMENT. FOR THE PERFORMANCE HEREIN DESCRIBED AND FOR OTHER INCIDENTAL PERFORMANCES OF LIKE NATURE, THE STATE WILL MAKE NO SPECIFIC OR SEPARATE PAYMENT OR ALLOWANCE, BUT THE COST THEREOF SHALL BE INCLUDED IN THE PRICES STIPULATED TO BE PAID FOR THE VARIOUS ITEMS OF THE WORK TO BE DONE UNDER THIS CONTRACT.

NOTICE BY CONTRACTOR

THE LAKE COUNTY UTILITIES DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR TWO (2) WORKING DAYS BEFORE WORK IS STARTED. CALL MR. CHRIS HODGES AT 357-2645 BETWEEN 8 A.M. AND 4 P.M.

REVIEW OF WATERWORK FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE COUNTY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING WATERWORKS FACILITIES WITHIN THE PROJECT. THE CONDITION OF EXISTING VALVES, FIRE HYDRANTS AND OTHER APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE.

CHANGES IN WATERLINES

WHENEVER IT BECOMES NECESSARY, IN THE OPINION OF THE ENGINEER AND COUNTY, TO CHANGE THE LOCATION OR ELEVATION OF WATER MAINS AND HYDRANTS, AND WHERE CONNECTIONS ARE TO BE MADE BETWEEN EXISTING DISTRIBUTION MAINS AND WATER MAINS UNDER THIS CONTRACT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING WATERLINE MATERIALS REQUIRED TO MAKE WAY FOR THE CONNECTION, AND SHALL FURNISH ALL THE CAST IRON OR DUCTILE IRON PIPE, FITTINGS AND VALVES REQUIRED AND SHALL ALSO FURNISH ALL NECESSARY LABOR, MATERIALS, TOOLS, AND EQUIPMENT AND MAKE THE EXCAVATION, BACKFILL AND TEMPORARY PAVING FOR SUCH CONNECTIONS. PAYMENT FOR THIS WILL BE INCLUDED IN THE PRICE BID UNDER APPROPRIATE ITEM FOR SIZE OF WATER MAIN OR CONNECTION TO BE INSTALLED. ALL PIPE, VALVE AND VALVE BOXES TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CLOSING VALVES

THE CLOSING OF ALL GATE VALVES ON WATER MAINS FOR MAKING CONNECTIONS, TESTS, OR FOR ANY OTHER CAUSE, SHALL BE DONE BY THE LAKE COUNTY UTILITIES DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY UTILITIES DEPARTMENT ONE (1) WEEK IN ADVANCE OF THE SHUTDOWN AND THE COUNTY WILL SPECIFY THE TIME, HOURS AND/OR SPECIAL CONDITION, ETC.

ITEM SPECIALS - WATERWORK

ALL WATERWORK LISTED AS "ITEM SPECIALS" IN THE GENERAL SUMMARY (AND NOT DEFINED ELSEWHERE IN THE PLAN) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LAKE COUNTY REGIONAL SEWER AND WATER DISTRICT'S "RULES AND REGULATIONS GOVERNING WATER SUPPLY IN LAKE COUNTY."

A COPY OF SAID SPECIFICATIONS IS ON FILE WITH O.D.O.T.'S BUREAU OF CONTRACT SALES IN COLUMBUS AND AT THE DISTRICT 12 OFFICE OR CAN BE OBTAINED FROM THE LAKE COUNTY SANITARY ENGINEER'S OFFICE.

ITEM SPECIAL, HYDRANT ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING EXISTING HYDRANTS TO GRADE IN REASONABLY CLOSE CONFORMITY TO THE GRADES SHOWN ON THE PLANS OR AS ESTABLISHED BY THE ENGINEER.

THE UNIT PRICE BID FOR ITEM SPECIAL, HYDRANT ADJUSTED TO GRADE SHALL INCLUDE THE NECESSARY EXCAVATION AND BACKFILL, REMOVAL AND REPLACEMENT OF HYDRANT BARREL EXTENSIONS, DISPOSAL OF WASTE MATERIALS, PROTECTION OF STRUCTURES, UTILITIES, SERVICE CONNECTIONS OR OTHER FACILITIES, TESTING, FLUSHING, STERILIZING AND PAINTING OF ADJUSTED HYDRANT ASSEMBLIES TOGETHER WITH ALL LABOR, EQUIPMENT, TOOLS AND MATERIALS NECESSARY TO COMPLETE THE WORK AS SHOWN, SPECIFIED OR DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY BASED ON APPROXIMATELY 50% OF THE HYDRANTS LOCATED IN THE WORK LIMITS HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - HYDRANT ADJUSTED TO GRADE 8 EACH

ITEM 638, VALVE BOX ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING EXISTING VALVE BOXES TO GRADE IN REASONABLY CLOSE CONFORMITY TO THE GRADES SHOWN ON THE PLANS OR ESTABLISHED BY THE ENGINEER.

THE UNIT PRICE BID FOR ITEM 638, "VALVE BOX ADJUSTED TO GRADE" SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO RAISE OR LOWER AND PLUMB THE EXISTING CASTING, AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY BASED ON APPROXIMATELY 50% OF THE VALVES LOCATED IN THE WORK LIMITS HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL - VALVE BOX ADJUSTED TO GRADE 18 EACH

ITEM 638, SERVICE BOX, ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING EXISTING SERVICE BOXES TO GRADE IN REASONABLY CLOSE CONFORMITY TO THE GRADES SHOWN ON THE PLANS OR ESTABLISHED BY THE ENGINEER.

THE UNIT PRICE BID FOR ITEM 638 - SERVICE BOXES ADJUSTED TO GRADE SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO RAISE OR LOWER AND PLUMB THE EXISTING CASTING, AS DIRECTED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY BASED ON APPROXIMATELY 50% OF THE SERVICE BOXES LOCATED IN THE WORK LIMITS HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER.

ITEM 638 - SERVICE BOX ADJUSTED TO GRADE 10 EACH

ITEM 604, MANHOLE ADJUSTED TO GRADE, AS PER PLAN

THIS WORK SHALL CONSIST OF ADJUSTING EXISTING WATER MANHOLES TO GRADE IN REASONABLY CLOSE CONFORMITY TO THE GRADES SHOWN ON THE PLANS OR ESTABLISHED BY THE ENGINEER. ALL WORK SHALL MEET THE REQUIREMENTS OF PLAN NOTE "ITEM 604 CASTINGS ADJUSTED TO GRADE, AS PER PLAN" AS SHOWN ON SHEET NO.5.

THE UNIT PRICE BID FOR ITEM 604 - MANHOLES ADJUSTED TO GRADE, AS PER PLAN, SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO RAISE OR LOWER THE EXISTING CASTING, REMOVE OR INSTALL BRICK MASONRY AS NEEDED FOR ADJUSTMENT, PLACE A BED OF MORTAR TO RECEIVE THE CASTING AND RESET THE EXISTING CASTING ALL AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL, 3/4" WATER SERVICE CONNECTION

THIS WORK SHALL CONSIST OF PROVIDING 3/4" WATER SERVICE CONNECTIONS FOR LOCATIONS IN THE PROJECT IN WHICH STORM SEWER CONSTRUCTION MAY NECESSITATE THE RELOCATIONS OF SERVICE STOP BOXES IN REASONABLY CLOSE CONFORMITY TO THE LOCATIONS, LINES AND GRADES SHOWN ON THE PLANS OR AS ESTABLISHED BY THE ENGINEER.

THE UNIT PRICE BID FOR ITEM SPECIAL - 3/4" WATER SERVICE CONNECTION SHALL INCLUDE THE NECESSARY EXCAVATION AND BACKFILL INCLUDING GRANULAR BACKFILL WHEN REQUIRED, THE REMOVAL OF THE EXISTING CONNECTION TOGETHER WITH THE NECESSARY FITTING, BOX, PIPE, DEWATERING, SHEETING SHORING, PIPE BEDDING AND PIPE BACKFILL, DISPOSAL OF WASTE MATERIALS, PROTECTION OF STRUCTURES, UTILITIES, THRUST BLOCKING, CRUSHED STONE FILL, TESTING, FLUSHING, STERILIZING AND PAINTING OF ALL CONNECTION ASSEMBLIES TOGETHER WITH LABOR, EQUIPMENT TOOLS AND MATERIALS NECESSARY TO COMPLETE THE WORK AS SHOWN, SPECIFIED OR DIRECTED BY THE ENGINEER.

AN ESTIMATED QUANTITY FOR THIS CONTINGENCY, ITEM SPECIAL - 3/4" WATER SERVICE CONNECTION HAS BEEN PROVIDED IN THE GENERAL SUMMARY AS FOLLOWS:

ITEM SPECIAL - 3/4" WATER SERVICE CONNECTION, LONG SIDE 5 EACH
ITEM SPECIAL - 3/4" WATER SERVICE CONNECTION, SHORT SIDE 5 EACH

ITEM SPECIAL, MISCELLANEOUS METAL WORK

THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MISCELLANEOUS METALS SUCH AS MANHOLE FRAMES AND COVERS, WATER METER BOXES AND COVERS, VALVE BOXES AND LIDS, CURB STOP BOXES AND LIDS, VALVE BOX EXTENSIONS, HYDRANT EXTENSIONS, BRONZE BOLTS, AND OTHER SIMILAR ITEMS REQUIRED FOR THE PROPER COMPLETION OF THE WORK AND NOT SPECIFICALLY CALLED FOR UNDER ANOTHER PAY ITEM, FURNISHING AND INSTALLATION SHALL BE AS DIRECTED BY THE ENGINEER UPON DETERMINATION IN THE FIELD THAT SUCH CASTINGS OR PARTS ARE BROKEN, DAMAGED OR OTHERWISE UNUSABLE.

ALL NEW CASTINGS OR PARTS SHALL CONFORM TO THE APPROPRIATE WATERWORKS SPECIFICATIONS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER. ALL CASTINGS OR PARTS DAMAGED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT NO COST TO THE STATE.

THE UNIT PRICE BID PER POUND FOR ITEM SPECIAL, MISCELLANEOUS METAL WORK SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO PROPERLY COMPLETE THE WORK AS PLANNED, SPECIFIED OR DIRECTED BY THE ENGINEER.

AN ESTIMATED QUANTITY FOR ITEM SPECIAL, MISCELLANEOUS METAL WORK HAS BEEN PROVIDED IN THE GENERAL SUMMARY AS FOLLOWS:

ITEM SPECIAL, MISCELLANEOUS METAL WORK 500 LBS.