

# WATERWORK NOTES

F.R.A. REGION	STATE	PROJECT
5	OHIO	

70  
86

LAKE COUNTY  
LAK-20-17.14

## SPECIFICATIONS:

### GENERAL

ALL WATER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF PAINESVILLE WATERWORK SPECIFICATIONS UNLESS OTHERWISE NOTED IN THE PLANS.

### DEFINITIONS:

(A) 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 INTERRUPTED AS FOLLOWS:

1. THE STATE

THE STATE IS THE STATE OF OHIO ACTING THROUGH ITS AUTHORIZED REPRESENTATIVE.

2. ENGINEER

THE ENGINEER IS THE DISTRICT DEPUTY DIRECTOR OR DISTRICT ENGINEER, THE DISTRICT CONSTRUCTION ENGINEER OR THE DISTRICT MAINTENANCE ENGINEER, OR THE PROJECT ENGINEER ASSIGNED TO ADMINISTER THE CONTRACT.

3. THE CITY, OR THE CITY OF PAINESVILLE

THE CITY, OR THE CITY OF PAINESVILLE, IS THE CITY ENGINEER AND HIS DULY AUTHORIZED WATER DEPARTMENT REPRESENTATIVE.

### SCOPE OF WORK:

~~THE WORK CONTEMPLATED UNDER THIS CONTRACT COMPRISES THE FURNISHING AND INSTALLING OF DUCTILE IRON PIPE, CLASS 57 ASA, AND GALVANIZED 12.75" O.D. X 0.50" WALL STEEL WITH ALL APPURTENANCES, COMPLETE IN ALL DETAILS, TESTED AND READY FOR OPERATION, AND THE EXTENSION, INSTALLATION, RELOCATION, RESETTING AND ADJUSTMENT OF ALL VALVES AND BOXES, HYDRANTS, AND METERS AND SERVICE CONNECTIONS AFFECTED BY THE ROADWAY CONSTRUCTION AS INDICATED IN THESE PLANS. THE CONTRACTOR SHALL DO ALL THE WORK AND FURNISH ALL THE LABOR AND MATERIALS NECESSARY FOR THE PROPER AND FINAL COMPLETION HEREIN SPECIFIED, AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS.~~

ALL WATERMAIN JOINTS SHALL BE RESTRAINED AND TARRED AND SHALL ALLOW UP TO 5° DEFLECTION. ALL UNDERGROUND WATERMAIN SHALL BE POLYWRAPPED. ALL WATER VALVES SHALL BE BUTTERFLY TYPE, EXCEPT OTHERWISE SHOWN.

### INTERRUPTION OF SERVICE NOTICE

THE CONTRACTOR SHALL COOPERATE WITH AND GIVE THE CITY OF PAINESVILLE 48 HOURS PRIOR NOTICE ON ALL WORK WHICH WILL INTERRUPT THE WATER SERVICE. ALL INSTRUCTIONS SHALL BE WORKED THROUGH THE PROJECT ENGINEER.

THE EXISTING 12" WATER MAIN MAY BE TAKEN OUT OF SERVICE FOR A MAXIMUM PERIOD OF TWO (2) HOURS. THIS SHUT-DOWN MUST BE COORDINATED WITH THE CITY OF PAINESVILLE AND THE OBRON CORPORATION.

### ~~COVER ON PROPOSED WATER MAIN~~

~~NEW WATER MAIN SHALL BE LAID SO AS TO PROVIDE FULL FIVE (5') FEET OF COVER UNLESS OTHERWISE SPECIFIED OR INDICATED ON THE PLANS.~~

### HYDRANTS, VALVES AND BOXES REMOVED

ALL EXISTING HYDRANTS, VALVES, AND BOXES REMOVED SHALL BECOME THE PROPERTY OF THE CITY OF PAINESVILLE.

### TESTING

ALL TESTING, SAMPLING, AND STERILIZING SHALL CONFORM TO THE CITY OF PAINESVILLE WATERWORK SPECIFICATIONS AND SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR PERTINENT WATERWORK ITEMS.

### GENERAL REQUIREMENTS

THE FOLLOWING PROCEDURES AND MATERIAL SPECIFICATIONS ARE FOR THE CONSTRUCTION OF A POTABLE WATER SYSTEM INCLUDING MAINS, SERVICE BRANCHES, FITTINGS, ETC. AS PRESCRIBED BY THE CITY ENGINEER AND THE SUPERINTENDENT OF THE WATER DEPARTMENT.

THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THE WORK ON ANY PAINESVILLE CITY SPONSORED PROJECT AS SPECIFIED BY THE CITY ENGINEER AND THE SUPERINTENDENT OF THE WATER DEPARTMENT. THIS WORK TO INCLUDE EXCAVATING, PIPE INSTALLATION, JOINTING, HYDROSTATIC TESTING, DISINFECTION, BACKFILLING, RESTORATION OF DISTURBED FACILITIES AND OTHER RELATED WORK NECESSARY TO COMPLETE THE PROJECT AS DESIGNED.

ALL NECESSARY PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR PRIOR TO BEGINNING THE PROJECT.

THE CONTRACTOR SHALL NOTIFY THE PAINESVILLE WATER DEPARTMENT AND THE CITY ENGINEER 48 HOURS BEFORE CONSTRUCTION TO ARRANGE FOR INSPECTION. ALL WORK SHALL AT ALL TIMES BE SUBJECT TO THE DIRECT SUPERVISION AND INSPECTION OF THE CITY ENGINEER AND/OR HIS DULY AUTHORIZED REPRESENTATIVE.

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL AFFECTED UTILITIES (1-800-362-2764) PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE PROTECTION OF ANY EXISTING FACILITY TO REMAIN IN SERVICE DURING CONSTRUCTION. ANY FACILITIES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

~~THE CONTRACTOR SHALL NOT CLOSE ANY ROAD TO TRAFFIC AT ANY TIME. WHEN NECESSARY, THE CONTRACTOR SHALL MAINTAIN ONE-WAY TRAFFIC.~~

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION AND TO CONFIRM EXISTING UTILITY LOCATIONS.

### ITEM 202 WATERMAIN REMOVED FOR STORAGE

AFTER INSTALLING THE CUT IN VALVES AND BEFORE DEMOLITION OF THE EXISTING STRUCTURE, THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING WATERMAIN AND RELATED APPURTENANCES LOCATED ON THE STRUCTURE. THE WATERMAIN SHALL BE STORED ON SITE FOR PICKUP BY CITY OF PAINESVILLE FORCES. THE PAINESVILLE CITY ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCING THIS OPERATION.

BASIS OF PAYMENT SHALL BE THE UNIT PRICE BID PER LIN. FT. OF WATERMAIN REMOVED. PRICE SHALL INCLUDE ALL LABOR AND EQUIPMENT TO COMPLETE THIS ITEM. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS WORK.

ITEM 202 WATERMAIN REMOVED FOR STORAGE 257 LIN. FT.

SCALE \_\_\_\_\_  
MADE BY DATE 3/81  
TRCD DATE 3/81  
C.E.D. DATE 3/81  
**WOODRUFF, INC.**  
CONSULTING ENGINEERS  
CLEVELAND OHIO