

TRENCH DETAIL NOTES



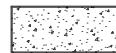

A. ALL TRENCH EDGES NOT UNDER OR WITHIN 5' OF PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS CAN BE COMPACTED EXISTING NATIVE MATERIAL IN 12" MAXIMUM LIFTS OR AS APPROVED BY THE CITY. NO MATERIAL SHALL BE USED FOR BACKFILLING THAT CONTAINS STONE, ROCKS, ETC., GREATER THAN 4" DIAMETER.

ALL TRENCH EDGES UNDER OR WITHIN 5' OF PROPOSED OR EXISTING PAVEMENT, CURB, DRIVEWAYS, ALLEYS, STONE AREA OR WALKS SHALL EITHER BE GRANULAR BACKFILL MATERIAL ODOT 703 TYPE 3 (ANGULAR #57 STONE). GRANULAR BACKFILL OF 95% OF ASTM D698 STANDARD PROCTOR CURVE MAY BE REQUIRED TO BE PERFORMED BY A COMMERCIAL TESTING LAB SATISFACTORY TO THE CITY.

B. STRUCTURAL BEDDING SHALL BE CRUSHED STONE OR GRAVEL, ODOT 703 TYPE 3 (ANGULAR #57 STONE)

C. OFF-PAVEMENT AREAS SHALL BE PROVIDED WITH A MINIMUM OF 6" OF TOPSOIL OVER THE COMPACTED MATERIAL AND THEN SEEDED AND MULCHED PER ODOT ITEM 659.

IN-PAVEMENT AREAS SHALL CONSIST OF THE FOLLOWING:

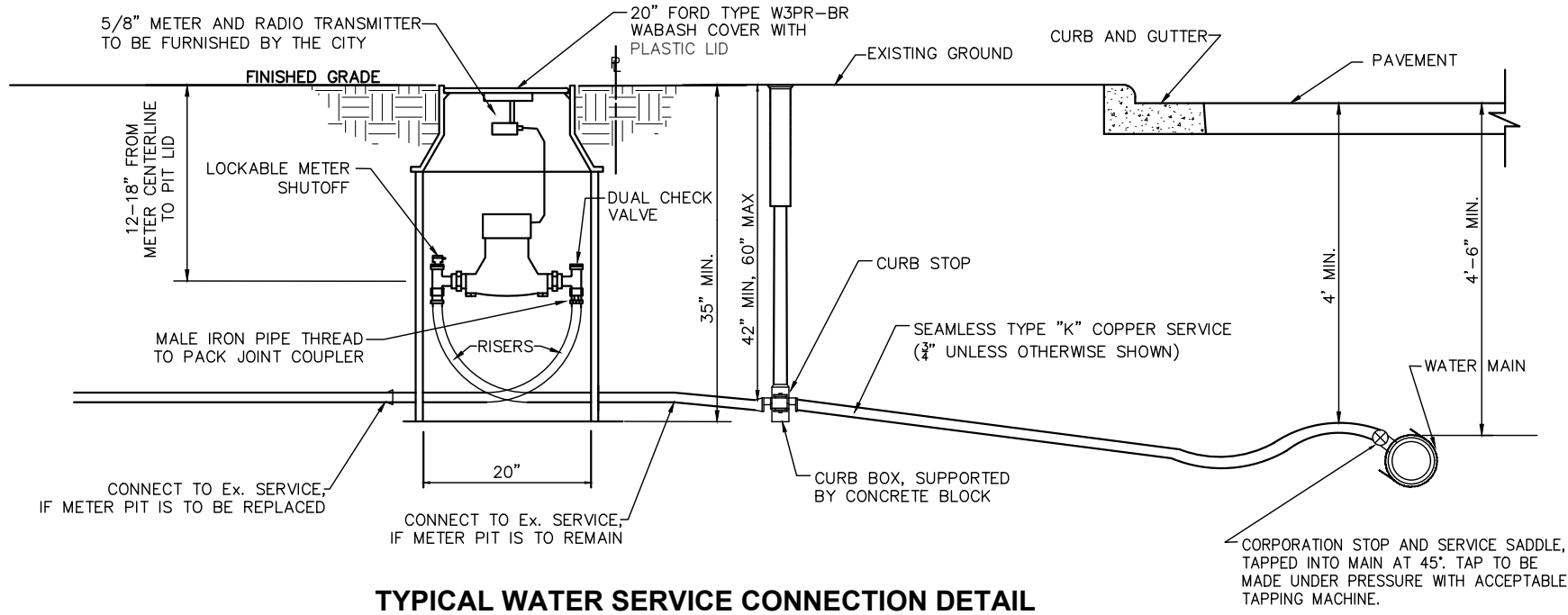
-  **MINIMUM ASPHALT PAVEMENT REPLACEMENT**
4" OF ODOT ITEM 301, ASPHALT CONCRETE BASE, PG 64-22 ON
9" OF ODOT ITEM 304, AGGREGATE BASE, AS PER PLAN, IN LIFTS OF 3" MAXIMUM
-  **MINIMUM RESIDENTIAL CONCRETE DRIVE APRON REPLACEMENT**
6" OF ODOT ITEM 452, NON-REINFORCED CONCRETE PAVEMENT ON
6" OF ODOT ITEM 304, AGGREGATE BASE, AS PER PLAN, IN 2 EQUAL LIFTS
-  **MINIMUM SIDEWALK REPLACEMENT**
ODOT ITEM 608 - 4" CONCRETE SIDEWALK ON
3" ODOT ITEM 304, AGGREGATE BASE, AS PER PLAN, IN 2 EQUAL LIFTS
-  **MINIMUM CURB REPLACEMENT**
ODOT ITEM 609 - CURB AND GUTTER REPLACED, IN KIND ON
6" OF ODOT ITEM 304, AGGREGATE BASE, AS PER PLAN, IN 2 EQUAL LIFTS

CONCRETE PAVEMENT MUST BE REPLACED IN FULL PANELS.

DRIVE APRONS ARE TO BE INSTALLED PER THE CITY OF GREENVILLE'S REQUIREMENTS.

WHERE THE EXISTING PAVEMENT IS THICKER, THE CONTRACTOR SHALL INCREASE THE COURSE THICKNESS TO MATCH EXISTING.

D. THE OPEN ENDS OF ALL PIPES SHALL BE PLUGGED TO THE APPROVAL OF THE CITY BEFORE LEAVING THE WORK FOR THE NIGHT.



TYPICAL WATER SERVICE CONNECTION DETAIL

METER PARTS LIST

A. LOCKABLE METER SHUTOFF- 3/4" PACK JOINT INLET BY METER SWIVEL NUT OUTLET, FORD MODEL NO. BA43-331W-Q-NL, OR APPROVED EQUAL

B. DUAL CHECK VALVE- 3/4" METER SWIVEL NUT INLET BY FEMALE IRON PIPE THREAD OUTLET, FORD MODEL NO. HHCACR31-313-NL, OR APPROVED EQUAL

C. 3/4" MALE IRON PIPE THREAD TO PACK JOINT COUPLER- FORD MODEL NO. C84-33-Q-NL, OR APPROVED EQUAL

WATER SERVICE NOTES

A. NEW METER PITS ARE TO BE PROVIDED ONLY WHEN EXISTING PIT IS DAMAGED BY CONSTRUCTION ACTIVITY. THE CONTRACTOR IS TO AVOID DAMAGING METER PITS IF POSSIBLE.

B. EXISTING CURB STOPS ARE TO BE REMOVED UNLESS OTHERWISE SHOWN IN THE PLANS. THIS COST IS TO BE INCIDENTAL TO THE COST OF THE WATER SERVICE LINE.

C. CURB STOPS ARE TO BE PLACED 3' BEHIND BACK OF CURB, UNLESS WATER MAIN IS BEHIND THE CURB. IN THIS CASE, CURB STOPS ARE TO BE PLACED WITHIN 3' OF THE R/W LINE.

D. NEW CURB STOPS AND METER PITS SHALL NOT BE INSTALLED WITHIN DRIVE APPROACHES OR SIDEWALKS, UNLESS DIRECTED BY THE CITY.

E. CORPORATION STOPS AND CURB STOPS SHALL BE FULL PORT BALL VALVES, 1/4 TURN WITH STOP, AND CTS 110 COMPRESSION FITTINGS. ACCEPTABLE MANUFACTURERS ARE "MUELLER" AND "FORD".

G. METER SHALL BE MID-STATE PLASTICS METER PIT, 20"x30", WITH WHITE INTERIOR.

H. THE CONTRACTOR SHALL GIVE 3 DAYS NOTICE BEFORE ANY WATER SERVICE IS TAKEN OUT OF SERVICE.

LEAD SERVICE LINES

THE CONTRACTOR MUST TEST ALL EXISTING WATER SERVICE LINES FOR THE PRESENCE OF LEAD. IF THE CONTRACTOR ENCOUNTERS ANY EXISTING MATERIALS THAT CONTAIN LEAD, ALL CONSTRUCTION ACTIVITIES RELATED TO THAT MATERIAL SHALL STOP AND THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE CITY OF GREENVILLE WATER DEPARTMENT. ALL CONNECTIONS INTO A LEAD SERVICE LINE MUST RECEIVE PRIOR APPROVAL FROM THE WATER SUPERINTENDENT. THE CONTRACTOR SHALL SUPPLY AN ALTERNATIVE BID PRICE FOR THE REMOVAL AND REPLACEMENT OF THE LEAD SERVICE MATERIALS LOCATED OUTSIDE THE LIMITS OF THE PROJECT.

WATER MAIN NOTES

A. GATE VALVES SHALL BE C-515, BRONZE MOUNTED, RESILIENT WEDGE, NON-RISING STEM, MECHANICAL JOINT, 150 PSI WORKING PRESSURE, RIGHT TURN OPEN, MUELLER OR EQUIVALENT.

B. VALVE BOXES SHALL BE THREE PIECE CAST IRON 5-1/4" DIAMETER, ADJUSTABLE SCREW TYPE, WITH LID MARKED "WATER".

C. ALL FITTINGS SHALL BE AWWA C-153 DUCTILE IRON, COMPACT.

D. WATERMAIN MATERIAL SHALL BE PVC C-909, DR-18.









E. ALL FITTINGS SHALL BE RESTRAINED.

F. RESTRAINED JOINT FOR PIPING SHALL BE EAGLE LOC 900 INTERNAL JOINT RESTRAINT SYSTEM, OR APPROVED EQUAL.

E. VALVES SHALL BE OPERATED BY CITY OF GREENVILLE PERSONNEL ONLY.

F. ALL MATERIALS SHALL BE AMERICAN MADE, UNLESS OTHERWISE SPECIFIED.

SYMBOL LEGEND

-  EXISTING METER PIT
-  EXISTING CURB STOP
-  EXISTING MAIN LINE VALVE
-  EXISTING FIRE HYDRANT
-  PROPOSED METER PIT
-  PROPOSED CURB STOP
-  PROPOSED MAIN LINE VALVE
-  PROPOSED FIRE HYDRANT
- (TBA) TO BE ABANDONED