WATER MAIN TRENCH DETAIL

Labels on drawing:
- MAXIMUM PAY WIDTH
- 1'-0"
- 1'-0"
- 2' + O.D. OF PIPE TYP. TRENCH WIDTH
- C
- 4'-6" MIN. COVER FOR WATER MAIN
- B
- 1'-0" TYP.
- 1'-0"
- A
- PROPOSED PIPE
- 4" MIN. BEDDING

NOTE:
MAXIMUM PAY LIMITS, ANY PAVEMENT REPAIR BEYOND THE MAXIMUM PAY LIMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER MAIN CROSSING SEPARATION

WHENEVER A SANITARY SEWER AND WATER LINE MUST CROSS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER LINE. IF IT IS ABSOLUTELY IMPOSSIBLE TO MAINTAIN THE 18-INCH VERTICAL SEPARATION, THE SANITARY SEWER SHALL BE CONSTRUCTED WITH WATER LINE TYPE MATERIALS WHICH WILL WITHSTAND A 50 PSI PRESSURE TEST. THESE REQUIREMENTS WILL EXTEND FOR A DISTANCE OF 10 FEET, MEASURED PERPENDICULAR, ON BOTH SIDES OF THE WATER LINE.

AT CROSSINGS, THE WATER MAIN SHALL HAVE A MINIMUM VERTICAL DISTANCE OF 18-INCHES FROM STORM AND SANITARY SEWERS. ALSO ONE FULL LENGTH OF WATER MAIN SHALL BE LOCATED SO THE JOINTS ARE AS FAR FROM THE STORM SANITARY SEWERS AS POSSIBLE.

TRENCH DETAIL NOTES

A. STRUCTURAL BEDDING SHALL BE WASHED GRAVEL, ODOT 703 #8, #57, OR #67, OR OTHER APPROVED EQUIVALENT.

B. ALL TRENCHES WITHIN 5' OF PROPOSED OR EXISTING PAVEMENT, WALK, CURB AND GUTTER, DRIVES, ALLEYS, STONE AREAS, OR OTHER HARD SURFACE SHALL BE BACKFILLED WITH ODOT 703 WASHED GRAVEL TO WITHIN 12" OF SURFACE (#8, #57, OR #67).

ALL TRENCHES BEYOND 5' OCCURRING IN SEED AREAS ARE TO BE BACKFILLED WITH NATIVE FILL TO WITHIN 6" OF SURFACE. NATIVE FILL IS TO BE COMPACTED TO 98% OF ASTM D698 STANDARD PROCTOR CURVE.

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.

STREET AREAS SHALL FOLLOW TYPICAL SECTION 1167.20. GRAVEL DRIVE AREAS SHALL BE 12" OF 304 STABILIZED CRUSHED AGGREGATE. ASPHALT DRIVES SHALL BE REPAIRED WITH A MINIMUM OF 4" OF 448 SURFACE ASPHALT ON 8" OF 304 STABILIZED CRUSHED AGGREGATE. CONCRETE DRIVE AREAS SHALL BE 6" OF 452 PLAIN CONCRETE ON 6" OF 304 STABILIZED CRUSHED AGGREGATE.

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

E. COMPACTED 304 IS TO BE USED UNDER CURB AND GUTTER AND SIDEWALKS WHERE DISTURBED BY CONSTRUCTION.