



### TYPICAL BACKFILL REQUIREMENTS

THIS DETAIL SHALL BE ONLY USED FOR WATER MAIN TRENCHES THAT ARE OUTSIDE OF PAVEMENT, WITHIN THE RIGHT-OF-WAY, OUTSIDE OF AKRON, WITHIN SUMMIT COUNTY.

1. CEMENT LINED DUCTILE IRON PIPE CMS ITEM 254, MINIMUM THICKNESS CLASS 53, WITH V-BIO ENHANCED POLYETHYLENE ENCASEMENT.
2. COMPACTED BANK RUN GRAVEL OR SAND CMS ITEM 604 (NO CRUSHED/RECYCLED CONCRETE) TO 12 INCHES ABOVE THE PIPE, COST INCLUDED IN THE COST OF WATER MAIN.
3. UNDERCUT TRENCH BOTTOM IN ROCK OR VARIOUS SOIL CONDITIONS AS INDICATED ON THE PLANS, OR AT THE ENGINEER'S DISCRETION, MINIMUM 6 INCHES OF BANK RUN GRAVEL BEDDING CMS ITEM 604. IN WET TRENCH CONDITIONS, #57 WASHED GRAVEL CMS ITEM 603 MAY BE PLACED ON THE TRENCH FLOOR.
4. COMPACTED AGGREGATE BASE CMS ITEM 304 (NO SLAG) OR STABILIZED BACKFILL CMS ITEM 605, COST INCLUDED IN THE COST OF THE WATER MAIN.
5. LAY PROPOSED WATER MAIN WITH AXIS OF PIPE 5 FEET BELOW GRADE OR TO ALLOW A MIN. 4 FEET 6 INCHES COVER ABOVE THE WATER MAIN.
6. NATIVE SOIL, BACKFILL INSTALLATION PER 551.09, AS APPROVED BY THE ENGINEER, INCLUDED IN COST OF WATER MAIN.
7. TYPICAL RESTORATION DETAIL 4 INCHES CONCRETE SIDEWALK OR 6 INCHES DRIVEWAY CMS 456 OR 4 INCHES TOPSOIL CMS ITEM 653 AND LAWN SEEDING AND MULCHING CMS ITEM 659.
8. BACKFILL REQUIREMENT FOR EXCAVATIONS LESS THAN OR EQUAL TO 8 FEET FROM EDGE OF PAVEMENT = 304 LIMESTONE.
9. BACKFILL REQUIREMENT FOR EXCAVATIONS GREATER THAN 8 FEET FROM EDGE OF PAVEMENT = 304 LIMESTONE BELOW A 45° STARTING AT EDGE OF PAVEMENT.
10. RESTORE DAMAGED BERM TO ORIGINAL OR BETTER CONDITION WITH THE MINIMUM MATERIAL BEING 304 LIMESTONE.
11. EXISTING DRAINAGE DITCHES SHALL BE MAINTAINED AND FULLY RESTORED.

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON  
DEPARTMENT OF PUBLIC SERVICE  
WATER SUPPLY BUREAU

TYPICAL BACKFILL REQUIREMENTS OUTSIDE OF  
PAVEMENT, WITHIN THE RIGHT-OF-WAY,  
OUTSIDE OF AKRON, WITHIN SUMMIT COUNTY

REV. DECEMBER 13, 2023

*RAJL*  
UTILITIES ENGINEER

STANDARD CONSTRUCTION  
DRAWING NO.

W-2.0