

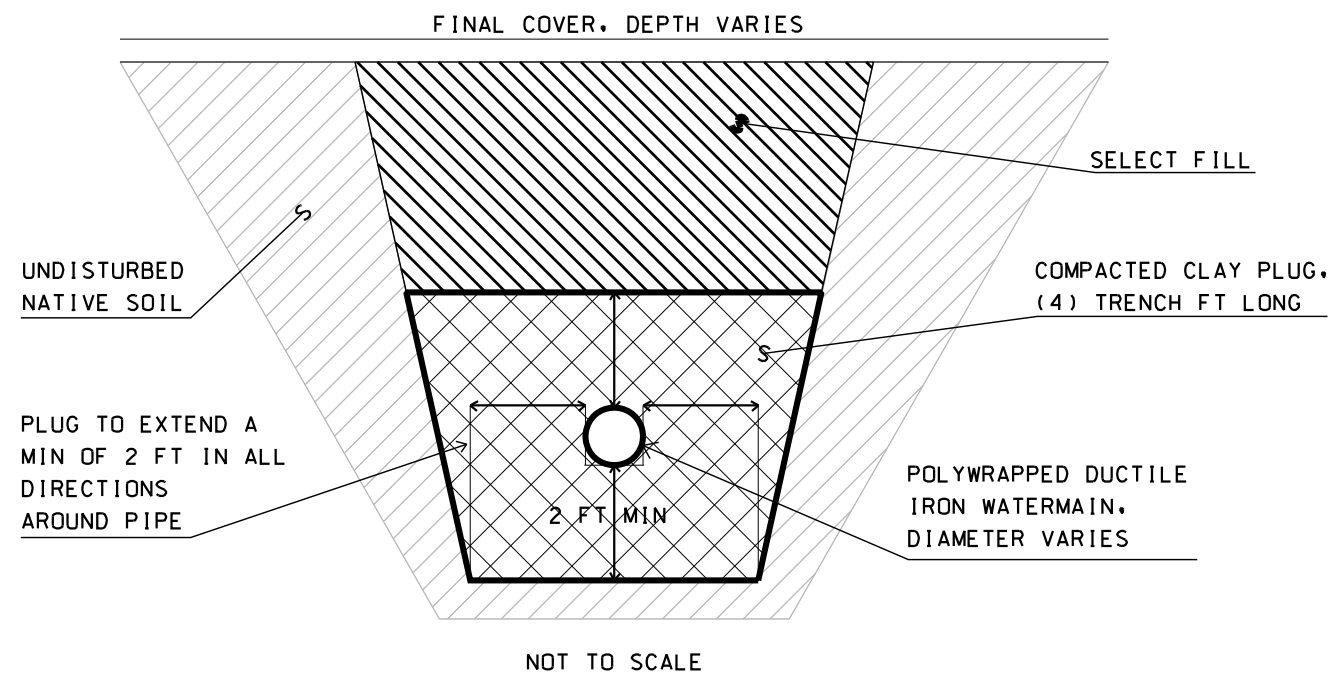
CLAY PLUG DETAIL & SPEC.

ANDERSON STREET MADISON WATER UTILITY

PM: D. CAWLEY, PE DESIGNER: KBM

ADDED TO PLAN SET 08/09/2011

CLAY PLUG DETAIL 7.09



CLAY PLUG SPECIFICATION

MATERIAL:

- CLAY MATERIALS SHALL BE CLASSIFIED AS CL OR CH ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM.
- A MAXIMUM CLUMP SIZE OF 6 INCHES IS ALLOWED AND SHALL BE CAPABLE OF BEING BROKEN DOWN WITH NORMAL CONSTRUCTION EQUIPMENT TO A SIZE OF 2 TO 3 INCHES PRIOR TO COMPACTION.
- FIFTY PERCENT OR MORE OF THE SOIL PARTICLES BY WEIGHT SHALL PASS THE NUMBER 200 SIEVE.
- ALLOW NO ROCKS, STONES, STICKS, AND OTHER FOREIGN OBJECTS GREATER THAN 2 INCHES.

CONSTRUCTION METHODS:

- MAINTAIN PROPER MOISTURE CONTENT TO ACHIEVE SPECIFIED COMPACTION. WATER SHOULD BE AVAILABLE ON SITE FOR CLAY CONDITIONING.
- PROVIDE SELECT CLAY FILL IN LIFT THICKNESSES AS REQUIRED TO OBTAIN THE SPECIFIED LEVELS OF COMPACTION. DO NOT EXCEED MAXIMUM LIFT THICKNESSES OF 4 TO 6 INCHES AFTER COMPACTION. COMPACT SELECT CLAY FILL USING PENETRATING FOOT-TYPE COMPACTION EQUIPMENT HAVING PROTRUSIONS GREATER IN LENGTH THAN THE LIFT THICKNESS OF CLAY BEING COMPACTIONED. COMPACTION EQUIPMENT SHALL BE OF SUFFICIENT WEIGHT TO COMPACT CLAY WITH REASONABLE AMOUNT OF EFFORT IN ORDER TO ACHIEVE THE SPECIFIED LEVELS OF COMPACTION. JUMPING JACK OR VIBRATORY TYPE COMPACTION EQUIPMENT OR EQUIVALENT MAY BE USED WHERE NECESSARY.
- PLACE OVERBURDEN MATERIAL AS SOON AS PRACTICAL AFTER COMPLETION OF SELECT CLAY FILL PLACEMENT TO AVOID DRYING AND DESICCATION OF SELECT CLAY FILL.
- PROVIDE EACH LAYER OF FILL TO THE DEGREE THAT NO FURTHER APPRECIABLE CONSOLIDATION IS EVIDENCE UNDER THE ACTION OF THE COMPACTION EQUIPMENT. THE ENGINEER OR THE ENGINEER'S REPRESENTATIVE WILL OBSERVE COMPACTION EFFORT AND APPROVE FINAL PRODUCT. THE ENGINEER MAY REQUIRE THAT THE COMPACTION OF THE MATERIAL BE TO A DRY DENSITY OF 90 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST, OR 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- REQUIRED COMPACTION WILL BE ATTAINED FOR EACH LAYER BEFORE ANY MATERIAL FOR THE SUCCEEDING LAYER IS PLACED.



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
811

or 1-800-242-8511

TOLL FREE

FAX-A-LOCATE 1-800-338-3860

TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.