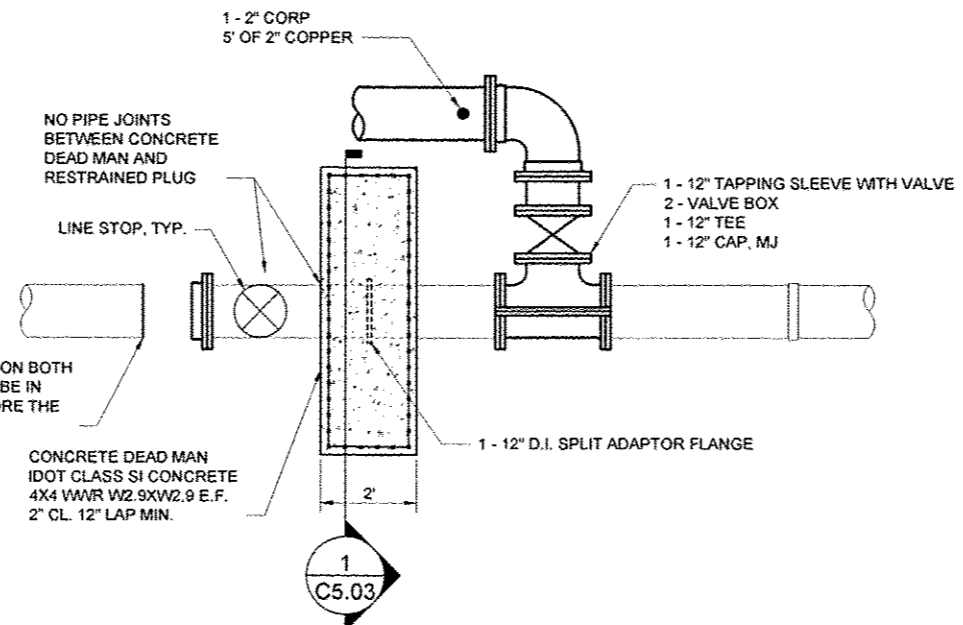
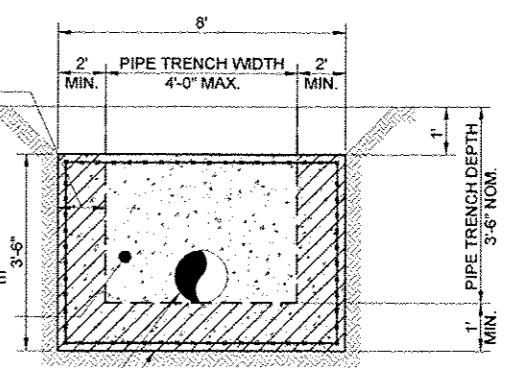


1
C5.03
DETAIL - EXISTING PIPE CONNECTION, TYPE I



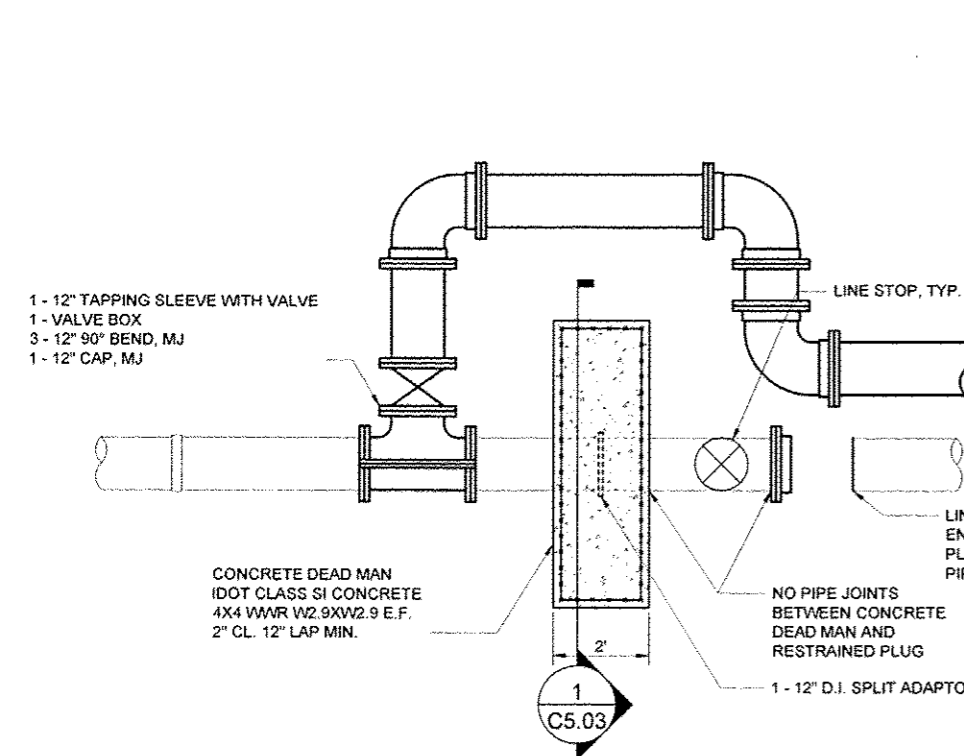
2
C5.03
DETAIL - EXISTING PIPE CONNECTION, TYPE II

THIS PORTION OF THE CONCRETE DEAD MAN SHALL REMAIN EMBEDDED IN UNDISTURBED SOIL OR COMPACTED BACKFILL. ALLOWABLE BEARING PRESSURE OF UNDISTURBED SOIL OR COMPACTED BACKFILL SHALL EXCEED 1,000 PSF.

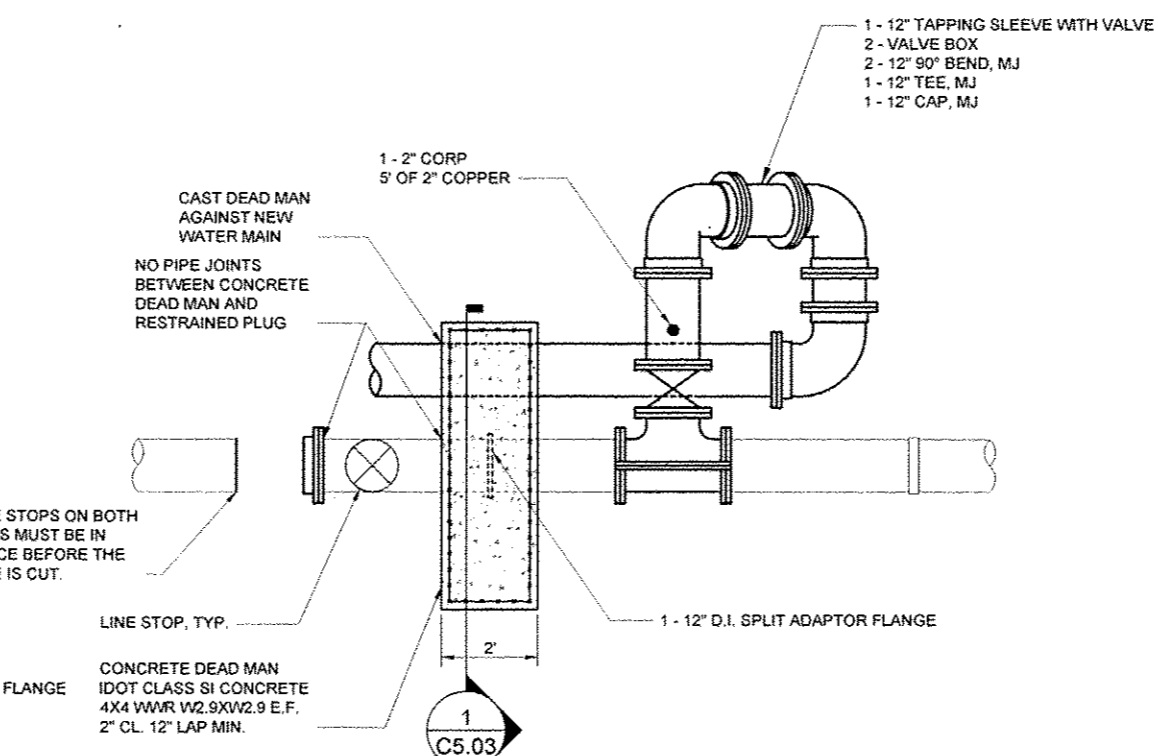


CONCRETE DEAD MAN
IDOT CLASS SI CONCRETE
4X4 WWR W2.9XW2.9 E.F.
2\"/>

1
C5.03
SECTION - CONCRETE DEAD MAN



3
C5.03
DETAIL - EXISTING PIPE CONNECTION, TYPE III



4
C5.03
DETAIL - EXISTING PIPE CONNECTION, TYPE IV

- NOTES:
- ALL NEW PIPE AND FITTINGS SHALL BE RESTRAINED JOINT AS REQUIRED BY SHEET C5.01.
 - ONCE THE NEW WATER MAIN IS INSTALLED AND IN SERVICE, EXCAVATE AS NECESSARY TO INSTALL THE CONCRETE DEAD MAN IN UNDISTURBED SOIL. IF THE CONCRETE DEAD MAN WILL BE INSTALLED IN A PORTION OF THE PIPE TRENCH FOR THE NEW WATER MAIN, THEN THE PIPE TRENCH SHALL BE BACKFILLED WITH NATIVE MATERIAL TO 95% STANDARD PROCTOR DENSITY.
 - INSTALL THE SPLIT ADAPTOR FLANGE ON THE EXISTING PIPE AND INSTALL THE WIRE MESH CAGE ON ALL 6 EXPOSED FACES.
 - POUR THE CONCRETE DEAD MAN AND ALLOW TO CURE UNTIL A STRENGTH TEST SHOWS A MINIMUM OF 100% STRENGTH GAIN (3,500 PSI).
 - EXCAVATE A TRENCH STARTING AT THE CONCRETE DEAD MAN AND ENDING AT THE PLANNED LOCATION OF THE CAP. THE TRENCH DIMENSIONS SHALL CONFORM TO SECTION 1 ON THIS SHEET. VERIFY THERE ARE NO PIPE JOINTS BETWEEN THE DEAD MAN AND THE PLANNED LOCATION OF THE CAP. IF A PIPE JOINT IS ENCOUNTERED, INSTALL A RESTRAINT HARNESS ON THE PIPE JOINT, EBAA IRON SERIES 1100HD, OR EQUIVALENT.
 - REPEAT THE PROCEDURE FOR THE OTHER END OF THE PIPE SECTION TO BE CAPPED.
 - WHEN THE DEAD MAN ARE INSTALLED, THE PIPES TO BE CAPPED ARE EXPOSED, AND ALL PIPE JOINTS ARE RESTRAINED AS NECESSARY, LINE STOPS SHALL BE INSTALLED TO ALLOW THE EXISTING MAIN TO BE CUT AND CAPPED WITHOUT A LOSS OF SERVICE TO ST. JOSEPH.
 - ONCE THE LINE STOPS ARE IN PLACE, THE EXISTING MAIN MAY BE CUT AND THE CAPS INSTALLED. THE EXISTING MAIN NO LONGER IN SERVICE SHALL BE REMOVED DURING EARTHWORK OPERATIONS.
 - WHEN THE CAPS ARE INSTALLED, THE LINE STOP MAY BE REMOVED AND ALL EXCAVATIONS BACKFILLED. THE DEAD MAN SHALL REMAIN IN PLACE.

NO.	BY	DATE	DESCRIPTION

RECORD DRAWING OF COMPLETED CONSTRUCTION BY
RECORD DRAWINGS OF COMPLETED CONSTRUCTION CONFORMING TO CONTRACTOR AND/OR OWNERS RECORDS BY DATE

Date of Preparation: July 17, 2013

BY	DATE
SURVEYED FOTH	07-13-2013
DRAWN WKH	07-17-2013
DESIGNED MAJ	07-17-2013
CHECKED MAJ	07-17-2013