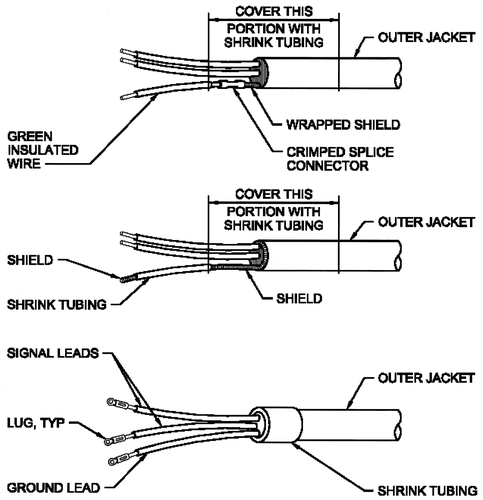
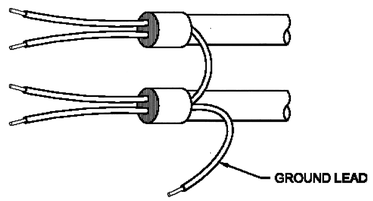


NOTES:
1. ALL SHIELDED INSTRUMENTATION CABLE SHALL BE TERMINATED IN ACCORDANCE WITH THIS DETAIL WHERE GROUNDING IS REQUIRED.

TERMINATION SHIELDED INSTRUMENTATION CABLE

2605-100b

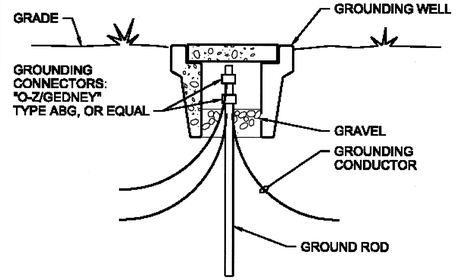
NTS



UNACCEPTABLE METHOD OF GROUNDING INSTRUMENTATION CABLE SHIELD

2605-100c

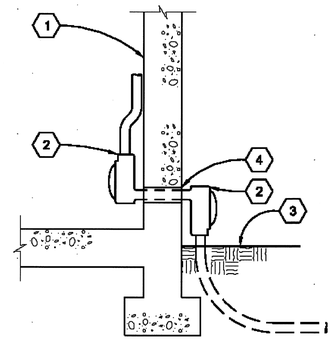
NTS



GROUND TESS WELL

2605-202

NTS



NOTES:

A. INSTALL CONDUITS THROUGH EXISTING WALLS IN ACCORDANCE WITH THIS DETAIL IF NOT OTHERWISE INDICATED.

B. DRILL HOLE USING METHODS THAT LEAVE A SMOOTH OPENING. SEAL OPENING AROUND CONDUIT, INSIDE, AND OUTSIDE, WITH ONE PART POLYURETHANE IMMERSIBLE SEALANT.

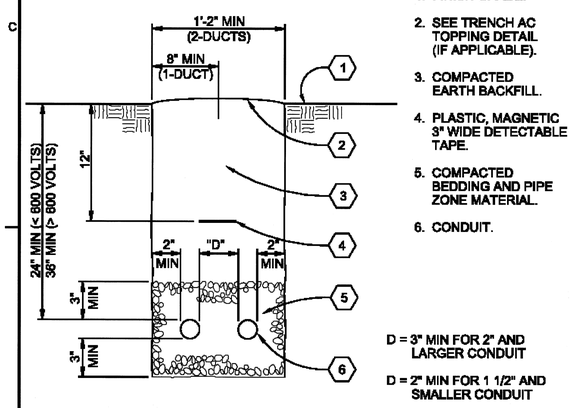
C. REPAIR BOTH WALL SURFACES IF DAMAGED DURING CONDUIT INSTALLATION.

1. EXISTING BUILDING WALL.
2. LB CONDULET.
3. FOR RESTORATION, SEE CIVIL PLAN.
4. SEAL WITH OUTDOOR RATED EXPANDABLE SEALANT.

CONDUIT ENTRANCE TO EXISTING STRUCTURE

2605-304

NTS



1. FINISH GRADE.
2. SEE TRENCH AC TOPPING DETAIL (IF APPLICABLE).
3. COMPACTED EARTH BACKFILL.
4. PLASTIC, MAGNETIC 3" WIDE DETECTABLE TAPE.
5. COMPACTED BEDDING AND PIPE ZONE MATERIAL.
6. CONDUIT.

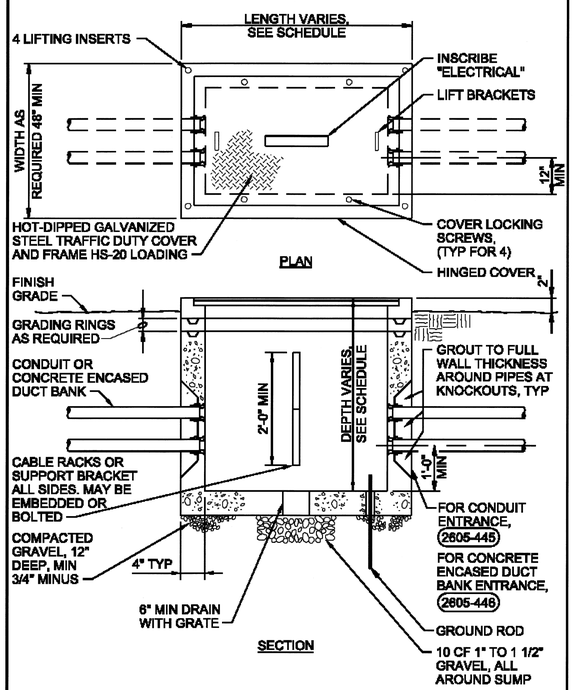
D = 3" MIN FOR 2" AND LARGER CONDUIT

D = 2" MIN FOR 1 1/2" AND SMALLER CONDUIT

TRENCH AND CONDUIT PLACEMENT

2605-423b

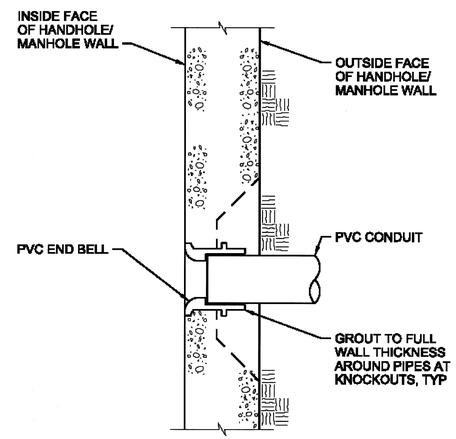
NTS



HANDHOLE

2605-444

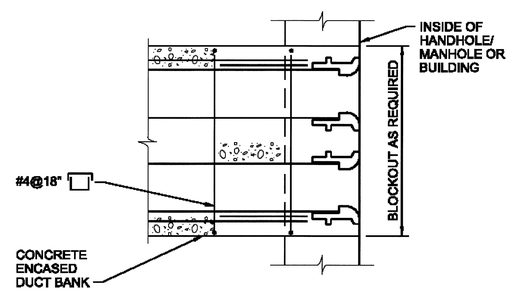
NTS



CONDUIT HANDHOLE/ MANHOLE ENTRANCE

2605-445

NTS



NOTES:
1. EXTEND REBAR A MINIMUM OF 2' BEYOND THE LIMIT OF EXCAVATION.

CONDUIT HANDHOLE/ MANHOLE ENTRANCE

2605-446

NTS

NO.	DATE	REVISION	BY	APVD

DSGN A SODEIFI | DR JC HALEO | CHK R BAKER | APVD J ALLEN

CRYSTAL SPRING WATER TREATMENT PLANT
CLEARWELL REPLACEMENT
WESTERN VIRGINIA WATER AUTHORITY
CITY OF ROANOKE, VIRGINIA

CH2MHILL.

ELECTRICAL

DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JUNE 2014
PROJ	475481
DWG	E-5001
SHEET	30 of 37

CONSTRUCTION DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.
©CH2M HILL 2013. ALL RIGHTS RESERVED.

COMMONWEALTH OF VIRGINIA
RONALD F. BAKER
Lic. No. 019826
7/1/14
PROFESSIONAL ENGINEER

FILENAME: E-5001_475481.dgn PLOT DATE: 2014\07\01 PLOT TIME: 3:31:52 PM