

Drawing name: Z:\2013\13063 - BRWA - FAIRGROUND RD WL REPLACEMENT\DWG\FAIRGROUNDS RD.dwg Plotted on: Mar 04, 2014 - 3:42pm



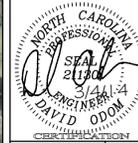
SHEET 1

SHEET 2

JOB NUMBER: 13063

REV	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA AS SIGNIFIED BY MY HAND AND SEAL



WATER SYSTEM PLANS FOR
FAIRGROUND ROAD
WATERLINE REPLACEMENT
 SPINDALE
 RUTHERFORD COUNTY, NC
INDEX

Odom
 Engineering
 PLLC
 152 East Main Street, Forest City, N.C. 28043
 PH: 828.247.4495 FAX: 828.247.4498
 NC FIRM# P-08880

SCALE: 1" = 100'
 DATE: 03/01/14
 DRAWN BY: PNE
 CHECKED BY: DWO
 PROJECT MGR: DWO
 SHEET:
 INDEX

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NOTE:
DISTURBED AREAS TO BE SEEDED TO INSURE PERMANENT GROUND COVER.

NOTE:
ALL WATERLINES TO BE INSTALLED AT 3' MINIMUM-5' MAXIMUM DISTANCE FROM THE EDGE OF PAVEMENT.



JOB NUMBER:
13063

REV	DESCRIPTION	BY	DATE
1			
2			
3			
4			
5			
6			

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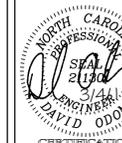
WATER SYSTEM PLANS FOR
FAIRGROUND ROAD WATERLINE REPLACEMENT
SUNDELLE, SOUTHWESTERN COUNTY, NC

WATER LINE LAYOUT

Odom Engineering PLLC
152 East Main Street, Forest City, N.C. 28043
ph: 828.287.4805 fax: 828.287.4896
NC REG. # P-10880

SCALE: 1" = 50'
DATE: 03/01/14
DRAWN BY: PNE
CHECKED BY: DWO
PROJECT MGR: DWO
SHEET:
1 OF 4

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF NORTH CAROLINA AS SIGNIFIED BY MY HAND AND SEAL.



WATER SYSTEM PLANS FOR
FAIRGROUND ROAD
WATERLINE REPLACEMENT
 SPRINGDALE, RUTHERFORD COUNTY, NC
WATER DETAILS

Odom
 Engineering
 PLLC
 152 East Main Street, Forest City, N.C. 28043
 ph: 828.247.4495 fax: 828.247.4498
 NC PERMIT F-5888



SCALE: N.T.S.

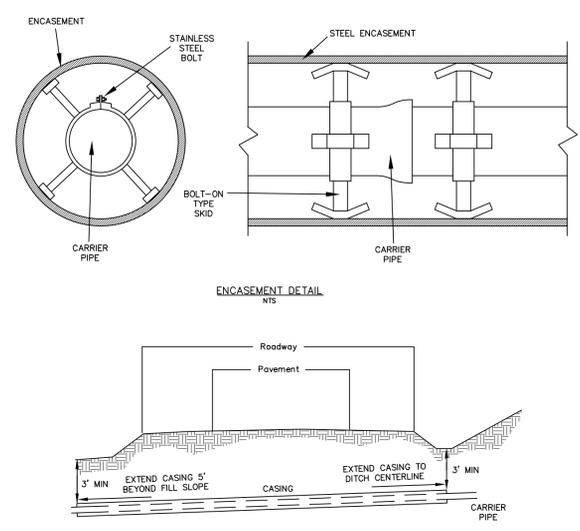
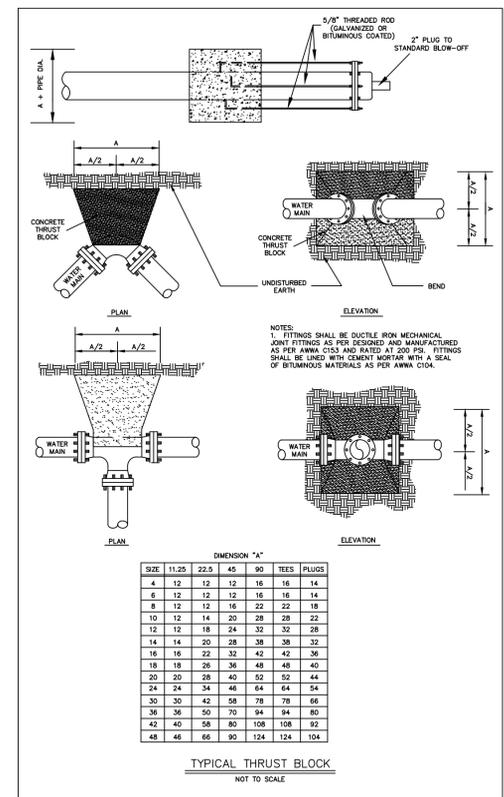
DATE: 03/01/14

DRAWN BY: PNE

CHECKED BY: DWO

PROJECT MGR: DWO

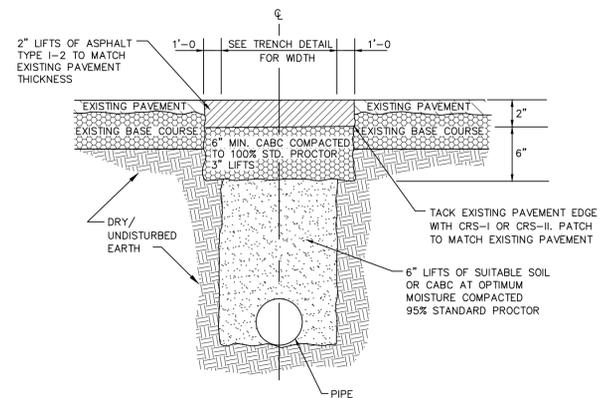
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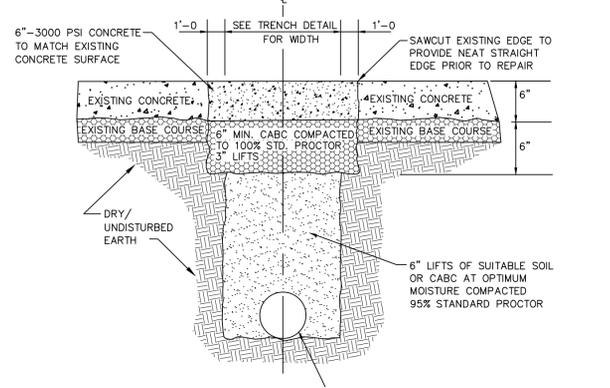
MINIMUM WALL THICKNESS OF SMOOTH WALL OR SPIRAL WELDED STEEL ENCASMENT PIPE FOR BORING AND JACKING IS AS FOLLOWS:

Pipe Sizes (O.D.)	Wall Thickness (in.)
4" - 12 - 3/4"	0.188
16"	0.250
18"	0.250
20"	0.250
24"	0.250
30"	0.250
36"	0.375
48"	0.375

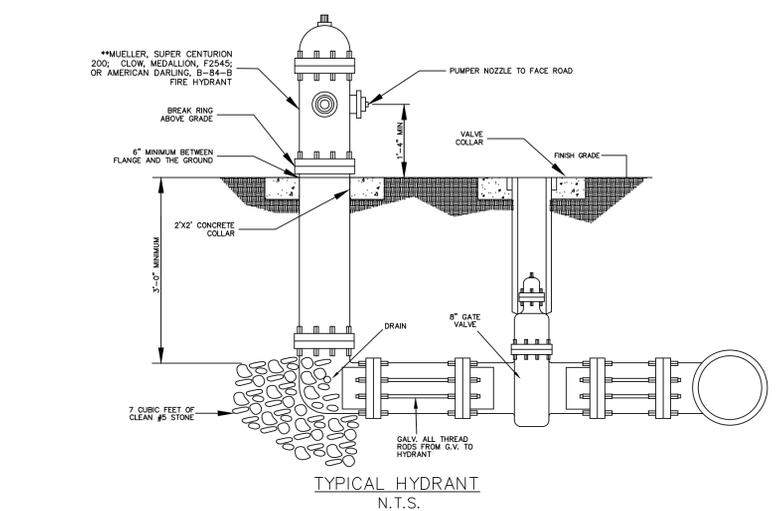
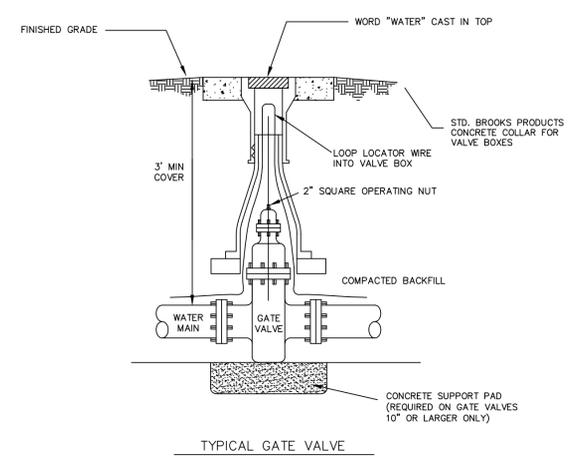
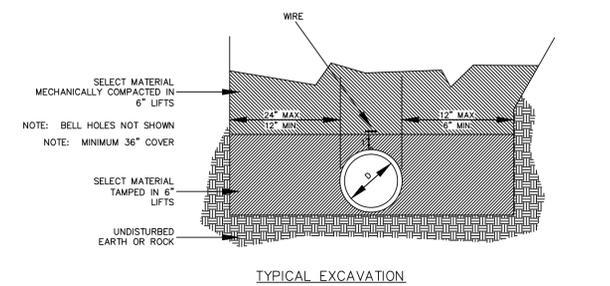
NOTE: 1. SMOOTH WALL STEEL PIPE SHALL BE JACKED THROUGH DRY BORE SLIGHTLY LARGER THAN PIPE AS SPOIL IS MUCKED BY THE AUGER BACK THROUGH THE PIPE. AS THE DRY BORING OPERATION PROGRESSES, EACH NEW SECTION OF THE ENCASMENT PIPE SHALL BE BUTT-WELDED TO THE SECTION PREVIOUSLY JACKED INTO PLACE. ENCASMENT SHALL EXTEND FROM DITCH LINE TO DITCH LINE IN CUT SECTIONS, 5' BEYOND THE TOE OF THE SLOPES IN FILL SECTIONS. IF VOIDS ARE ENCOUNTERED OR OCCUR OUTSIDE THE ENCASMENT PIPE, GROUT HOLES SHALL BE INSTALLED IN THE TOP SECTION OF THE ENCASMENT PIPE AT 10' CENTERS AND THE VOIDS FILLED WITH 1:3 PORTLAND CEMENT GROUT AT SUFFICIENT PRESSURE TO PREVENT SETTLEMENT IN THE ROADWAY.



NOTE:
 1. EDGE TO BE SAWED WITH A CONCRETE SAW TO A NEAT SQUARED EDGE. BROOMED CLEAN OF DUST BEFORE TACK COAT IS APPLIED.
 2. EDGES TO BE TACKED WITH EMULSIFIED ASPHALT TACK CRS-I OR CRS-II



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 1. EDGE TO BE SAWED WITH A CONCRETE SAW TO A NEAT SQUARED EDGE. BROOMED CLEAN OF DUST BEFORE TACK COAT IS APPLIED.
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MUELLER, SUPER CENTURION 200; Cat # A-423, 5 1/2" Main Valve Opening, 8" M.J. Inlet Connection, 3 1/2 ft. Bury, 2-2 1/2" Hose Nozzles, 1-4 1/2" Pumper Nozzle, National Standard Nozzle Threads, National Standard Operating Nut, Open Left, Color Yellow

CLOW, MEDALLION, F-2545, 5 1/2" Main Valve Opening, 8" M.J. Inlet Connection, 3 1/2 ft. Bury, 2-2 1/2" Hose Nozzles, 1-4 1/2" Pumper Nozzle, National Standard Nozzle Threads, National Standard Operating Nut, Open Left, Color Yellow

AMERICAN DARLING, B-84-B, 5 1/2" Main Valve Opening, 8" M.J. Inlet Connection, 3 1/2 ft. Bury, 2-2 1/2" Hose Nozzles, 1-4 1/2" Pumper Nozzle, National Standard Nozzle Threads, National Standard Operating Nut, Open Left, Color Yellow

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