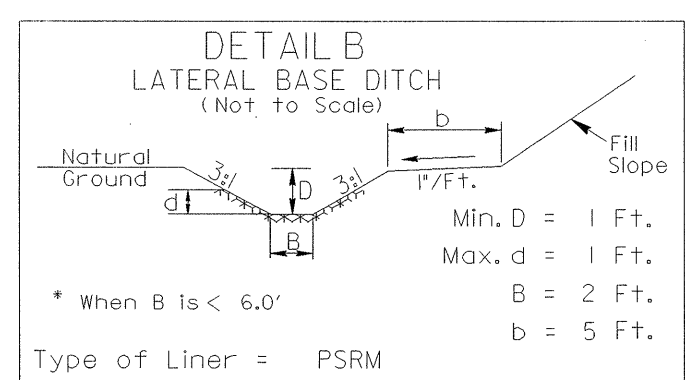


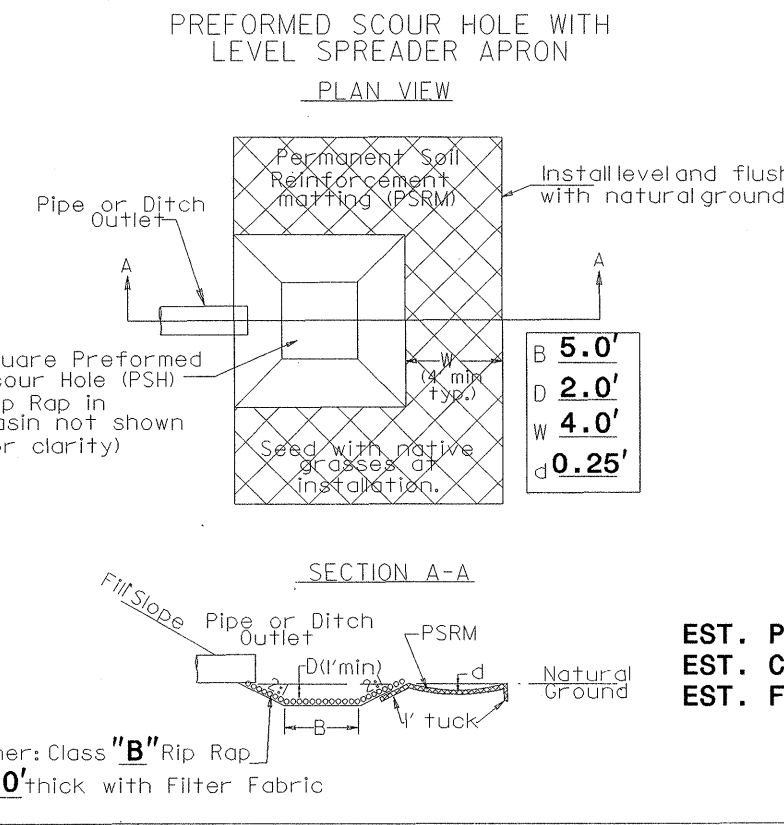
NAD 83  
 NC GRID

DRAINAGE STRUCTURE LEGEND

STRUC. #	DESCRIPTION
1	2GINNARROW SLOT FLAT GRATE
2	2GINNARROW SLOT FLAT GRATE
3	CB
4	CB
5	CB
6	CB
7	CB
8	2GINNARROW SLOT FLAT GRATE
9	ADJUST JB



USE AT THE FOLLOWING LOCATIONS:  
 -L- 20+40 +/- LT  
 -L- 23+00 +/- LT



**PROP. - 230 LF OF 36 INCH DI RESTRAINED JOINT WATER PIPE, CLASS 53**  
 1 - 36 INCH BUTTERFLY VALVE AND VALVE BOX, 150 PSI WP  
 4 - 36 INCH DI RJ 45° BENDS  
 2 - 36 INCH x 30 INCH DI/RJ REDUCERS  
 2 - 30 INCH TRANSITION COUPLINGS, DI TO CI  
 CONNECT USING NECESSARY FITTINGS

**PROP. - 90 LF OF 54 INCH STEEL ENCASEMENT PIPE, 0.563 INCHES THICK, BY TRENCHLESS METHOD**

**CONTRACTOR SHOULD USE CAUTION IN THIS AREA TO PREVENT DAMAGE TO EXISTING SANITARY SEWER LINE**

**PROP. - 190 LF FILL OR REMOVE ABANDONED 12" PIPE, PVC WATER**

**PROP. - 190 LF FILL OR REMOVE ABANDONED 30" PIPE, CI WATER**

**CONTRACTOR SHOULD USE CAUTION IN THIS AREA TO PREVENT DAMAGE TO EXISTING SANITARY SEWER LINE**

-L- 28+20.00  
 END PROJECT B-3652

**PROP. - 1 RELOCATE EX. FIRE HYDRANT 30 LF OF 6 INCH DI WATER PIPE, PC 350**

**PROP. - 290 LF FILL OR REMOVE ABANDONED 12" PIPE, PVC WATER**

**PROP. - 672 LF OF 12 INCH DI RESTRAINED JOINT WATER PIPE, PC 350**  
 1 - 12 INCH GATE VALVE AND VALVE BOX, 200 PSI WP  
 3 - 12 INCH DI RJ 45° BENDS  
 1 - 12 INCH DI RJ 22.5° BEND  
 CONNECT USING NECESSARY FITTINGS

**NOTE:**  
 A PROPOSED 6" CONCRETE-ENCASED STEEL GAS MAIN WILL BE INSTALLED IN THE SAME TRENCH WITH THE PROPOSED 12" DI RJ WATER MAIN. THE PROPOSED GAS MAIN WILL BE ON THE SOUTH SIDE OF THE PROPOSED WATER MAIN. MINIMUM SEPARATION BETWEEN THE GAS MAIN AND WATER MAIN SHALL BE 2 FEET. CONTRACTOR SHALL EXCAVATE AND BACKFILL THE TRENCH, AND THE GAS COMPANY WILL INSTALL THE GAS MAIN. COST SHALL BE INCIDENTAL TO OTHER PAY ITEMS IN THE CONTRACT. CONTRACTOR SHALL COORDINATE WITH THE GAS COMPANY REGARDING INSTALLATION OF THE GAS MAIN. SEE "UTILITIES BY OTHERS" PLANS AND SPECS FOR FURTHER DETAILS.

PI Sta 11+99.06 Δ = 9° 53' 35.3" (RT) D = 2' 29" 28.0" L = 397.14' T = 199.06' R = 2,300.00' SE = 0.03 Vd = 40 MPH	PI Sta 16+58.74 Δ = 19° 47' 10.6" (LT) D = 3' 49" 11.0" L = 518.00' T = 261.61' R = 1,500.00' SE = 0.03 Vd = 40 MPH	PI Sta 21+42.20 Δ = 9° 53' 35.3" (RT) D = 2' 29" 28.0" L = 397.14' T = 199.06' R = 2,300.00' SE = 0.03 Vd = 40 MPH
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**DATUM DESCRIPTION**

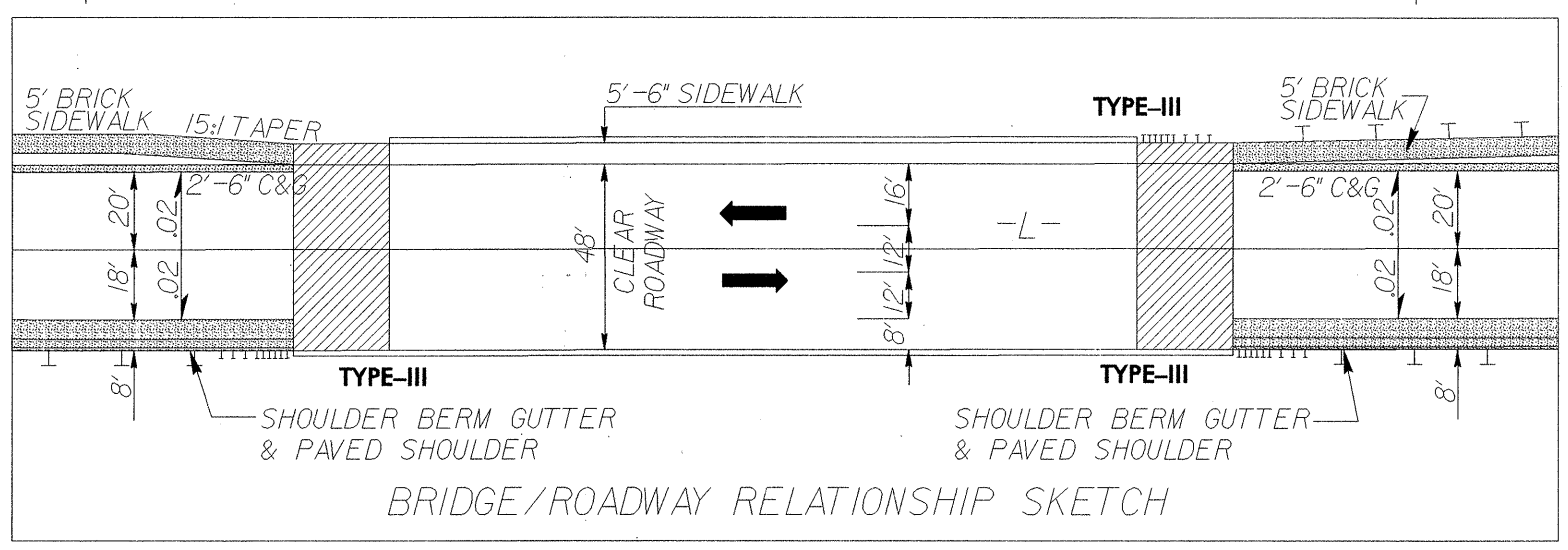
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCOOT FOR MONUMENT "B3652-2"

WITH NAD 83 STATE PLANE GRID COORDINATES OF  
 NORTHING: 817687.6428(11) EASTING: 1719317.6178(11)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99992353

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3652-2" TO -L- STATION 15+50.00 IS  
 S 81° 25' 44.474" E 340.076'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NGVD 29



LEGEND

[Pattern]	PAVED SHOULDER, CURB & SIDEWALK
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