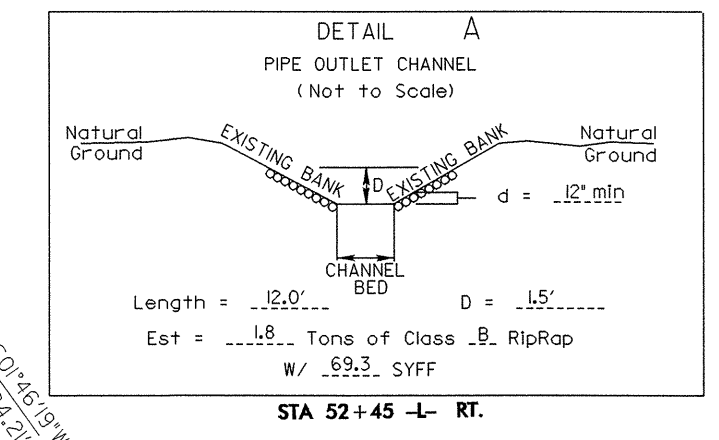


PROJECT REFERENCE NO.	SHEET NO.
R-2904	UC-5
DESIGNED BY: JH	
DRAWN BY: JH	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	UTILITY CONSTRUCTION PLANS ONLY

NAD 83

UTILITY CONSTRUCTION

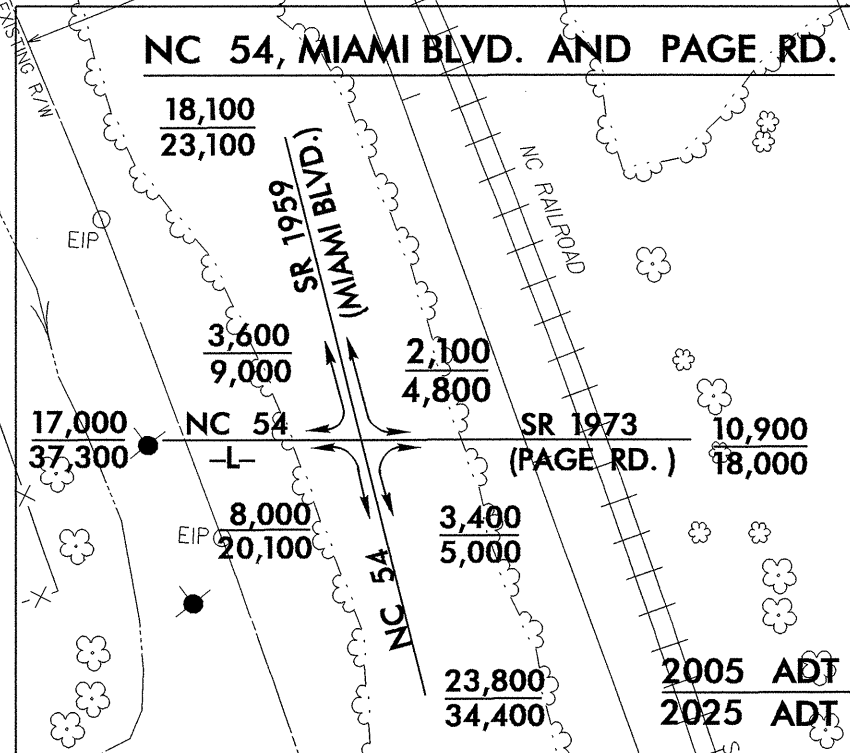


THE 16" WATER LINE OWNED BY CITY OF DURHAM.

Pls Sta 48+33.92
Fs = 3' 00' 56.0"
Ls = 200.00
LT = 133.35
ST = 66.68

Pls Sta 49+85.99
 $\Delta = 5' 08' 54.3"$ (LT)
D = 3' 00' 56.0"
L = 170.73
T = 85.42
R = 1,900.00
SE = 0.04

Pls Sta 51+37.98
Fs = 3' 00' 56.0"
Ls = 200.00
LT = 133.35
ST = 66.68



FOR USING TEMPORARY PIPE
SEE UC-7 DETAIL 1 AND 2 PG 46

FILL OR REMOVE 977' OF 16" DI WATER PIPE

PROP. 26' OF 3/4" COPPER WATER PIPE TYPE K
RELOCATE EXISTING WATER METERS
CONNECT USING NECESSARY FITTING

PROP. 1-16" X 16" DI TEE
PIPE CLASS 50
- 42' OF 16" DI WATER PIPE,
CLASS 50 FOR TEMP. TIE-IN
(SEE UC-7 FOR DETAIL)
- 2-16"-90° DI BEND FOR
TEMP. BEND TIE-IN
(SEE UC-7 FOR DETAIL)
- 1-16"-45° DI BEND
- 1-16"-11.25° DI BEND
- 1-16" GATE VALVE AND
MANHOLE 200-# WP
CONNECT USING NECESSARY FITTING

PROP. 5' OF 2" COPPER WATER PIPE TYPE K
1-16" X 2" TAPPING SADDLE
1-2" CORPORATION STOP
RELOCATE 1-2" EXISTING WATER METER WITH NEW VAULT
RELOCATE EXISTING RPZ BACKFLOW PREVENTION SYSTEM WITH NEW VAULT
CONNECT USING NECESSARY FITTING

PROP. 831' OF 16" DI WATER PIPE, CLASS 50
5-16"-22.5° DI BENDS
1-16" X 12" DI REDUCER
2-16" GATE VALVES AND MANHOLES 200# WP
CONNECT USING NECESSARY FITTING

PROP. 5' OF 6" DI WATER PIPE, PC 350
1-16" X 6" DI TEE-ELEVATOR / STAIRS
1-6" GATE VALVE AND VALVE BOX 200# WP
RELOCATE EXISTING FIRE HYDRANT
CONNECT USING NECESSARY FITTING

MATCH TO SHEET UC-4 STA. 48+50

STA. 57+38.87 -L- END STATE PROJECT R-2904

FOR L- PROFILE SEE SHEET 9

8/17/99
21-SEP-2004 13:23
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