

**6 INCH UNDERDRAIN PIPE**

- 5-5 & 5-6-09 1 TH 30 54+38.7 LT ~ US ROUTE 302 14+10.6 LT  
NEW 6" x 118' UNDERDRAIN
- 10-27-08 & 10-28-08 2 VT 110 52+66 LT ~ US ROUTE 302 14+04.3 RT  
NEW 6" x 158' UNDERDRAIN-DRAIN TO MANHOLE
- 3 VT 110 52+66 RT ~ 53+34 LT  
NEW 6" x 74' UNDERDRAIN-DRAIN TO MANHOLE
- 10-03-08 4 US ROUTE 302 17+50 RT ~ VT 110 53+34 RT  
NEW 6" x 174' UNDERDRAIN  
W/F.B. @ 17+50 RT  
COMPLETED 10-31-08

**SPECIAL PROVISION (6 INCH UNDERDRAIN PIPE, DRY SWALE)**

- 5 US ROUTE 302 14+28 RT ~ 14+53 RT 5-14-09  
NEW 6" x 28' UNDERDRAIN  
W/F.B. @ 14+28 RT
- 6 US ROUTE 302 14+60 RT ~ 14+53 RT 5-14-09  
NEW 6" x 8' UNDERDRAIN  
W/F.B. @ 14+60 RT

**NEW DRAINAGE**

- 1 US ROUTE 302 14+04.3 RT ~ 14+04.3 RT  
NEW 24" x 40' RCP/CPEP(SL) W/ES  
W/MH @ 14+04.3 RT
- 2 US ROUTE 302 14+04.2 LT ~ 14+04.3 RT  
NEW 24" x 56' RCP/CPEP(SL)  
W/CB @ 14+04.2 LT
- 3 US ROUTE 302 14+30.0 RT ~ 14+04.3 RT  
NEW 18" x 22' RCP/CPEP(SL) - REVERSED SLOPE  
W/DIVERSION CB @ 14+30.0 RT
- 4 US ROUTE 302 14+30.0 RT ~ 14+28.0 RT  
NEW 18" x 22' RCP/CPEP(SL) W/ES  
W/CB @ 14+30.0 LT ~ 14+30.0 RT
- 5 US ROUTE 302 14+30.0 LT ~ 14+30.0 RT  
NEW 18" x 32' RCP/CPEP(SL)  
W/CB @ 14+30.0 LT
- 6 US ROUTE 302 15+19.0 RT ~ 14+30.0 RT  
NEW 18" x 84' RCP/CPEP(SL)  
W/MH @ 15+19.0 RT
- 7 US ROUTE 302 16+25.7 RT ~ 15+19.0 RT  
NEW 18" x 106' RCP/CPEP(SL)  
W/CB @ 16+25.7 RT
- 8 US ROUTE 302 16+25.7 LT ~ 16+25.7 RT  
NEW 18" x 40' RCP/CPEP(SL)  
W/CB @ 16+25.7 LT
- 9 VT 110 52+11.0 LT ~ 52+11.0 RT  
NEW 18" x 34' RCP/CPEP(SL)  
W/CB @ 52+11.0 LT
- 10 VT 110 52+11.0 RT ~ 52+62.0 RT  
NEW 18" x 48' RCP/CPEP(SL)  
W/CB @ 52+11.0 RT
- 11 VT 110 52+62.0 LT ~ 52+62.0 RT  
NEW 18" x 38' RCP/CPEP(SL)  
W/CB @ 52+62.0 LT
- 12 VT 110 52+62.0 RT ~ US ROUTE 302 15+19.0 RT  
NEW 18" x 108' RCP/CPEP(SL)  
W/CB @ 52+62.0 RT
- 13 VT 110 53+34.1 RT - CONSTRUCT NEW MH  
OVER EXISTING 15" PIPE
- 14 TH 30 54+38.7 LT ~ US ROUTE 302 15+19.0 RT  
NEW 18" x 68' RCP/CPEP(SL)  
W/CB @ 54+38.7 LT
- 15 TH 30 54+38.7 RT ~ 54+38.7 RT  
NEW 18" x 30' RCP/CPEP(SL)  
W/CB @ 54+38.7 RT
- 16 TH 30 54+97.6 LT ~ 54+38.7 LT  
NEW 18" x 56' RCP/CPEP(SL)  
W/MH @ 54+97.6 LT
- 17 TH 30 55+31.5 RT ~ 54+97.6 LT  
NEW 18" x 46' RCP/CPEP(SL)

**EXISTING DRAINAGE**

- 1 US ROUTE 302 14+04.2 LT ~ 14+04.2 RT  
EXISTING PIPE & DI - REMOVE
- 2 US ROUTE 302 14+65.2 RT ~ 14+36.2 RT  
EXISTING PIPE & DI - REMOVE
- 3 US ROUTE 302 15+00.0 LT ~ 14+04.2 LT  
EXISTING PIPE - ABANDON PIPE; FILL WITH  
CONTROLLED DENSITY (FLOWABLE) FILL
- 4 US ROUTE 302 15+87.0 LT ~ 15+00.0 LT  
EXISTING PIPE & DI - REMOVE
- 5 VT 110 53+35.0 LT ~ 53+35.4 RT  
EXISTING PIPE - ABANDON PIPE; FILL WITH  
CONTROLLED DENSITY (FLOWABLE) FILL
- 6 VT 110 53+35.4 RT ~ 53+35.1 RT  
EXISTING PIPE - ABANDON PIPE; FILL WITH  
CONTROLLED DENSITY (FLOWABLE) FILL
- 7 VT 110 53+35.1 RT ~ 16+31.7 RT  
EXISTING PIPE - REMOVE PORTION FROM  
EXISTING DIT TO NEW MH ONLY  
RETAIN PORTION TO OUTFALL
- 8 US ROUTE 302 16+75.7 LT ~ 16+64.6 RT  
EXISTING PIPE - ABANDON PIPE; FILL WITH  
CONTROLLED DENSITY (FLOWABLE) FILL
- 9 US ROUTE 302 18+40.9 LT ~ 18+12.3 RT  
EXISTING PIPE & DI - RETAIN
- 10 TH 30 55+31.5 RT ~ 54+89.4 LT  
EXISTING PIPE - REMOVE 8-27-08
- 11 TH 30 56+47.1 RT ~ 55+31.5 RT  
EXISTING PIPE - REHAB
- 12 TH 30 56+45.3 LT ~ 54+98.9 LT  
EXISTING PIPE - RETAIN

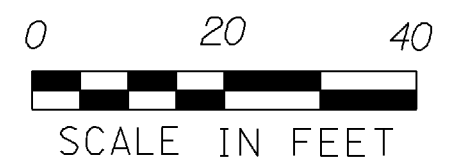
**6 INCH UNDERDRAIN CARRIER PIPE**

- 7 US ROUTE 302 14+10.6 LT ~ 14+04.3 RT  
NEW 6" x 44' UNDERDRAIN CARRIER PIPE  
W/F.B. @ 14+10 LT 4-15-09
- 8 VT 110 52+62 LT ~ 52+66 LT 10-28-08  
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
- 9 VT 110 52+62 RT ~ 52+66 RT  
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
- 10 US ROUTE 302 16+25.7 RT ~ 16+22.6 RT  
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
- 11 TH 30 54+38.7 RT ~ 54+38.7 RT  
NEW 6" x 16' UNDERDRAIN CARRIER PIPE  
W/F.B. @ 54+44.7 RT  
TIE INTO EXISTING 4" UNDERDRAIN OUTLET  
8-26-08 W/ 4X6 INCREASER & 1/2 ELBOW
- 12 TH 30 54+38.7 LT ~ 54+35.8 LT  
NEW 6" x 4' UNDERDRAIN CARRIER PIPE
- 13 US ROUTE 302 14+53 RT ~ 14+21 RT  
NEW 6" x 36' UNDERDRAIN CARRIER PIPE  
W/F.B. @ 14+53 RT 5-14-09

BM# 1  
CHISELED SQUARE  
ON CONCRETE  
FOOTING  
ELEV. = 1075.77

BM# 3  
CHISELED SQUARE  
IN BRIDGE  
ABUTMENT  
ELEV. = 1087.55

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (1996)



**GENERAL NOTE:**

1. UNDERGROUND UTILITIES SHOWN HEREIN WHERE COMPILED FROM INFORMATION OF RECORD AND FIELD OBSERVATIONS. THE EXISTENCE OR LOCATION OF THE UTILITIES ARE NOT WARRANTED TO BE EXACT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF A UTILITY AT THE DISCRETION OF THE ENGINEER. PAYMENT TO BE MADE UNDER CONTRACT ITEM 204.22. IF FIELD CONDITIONS ARE DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES THAT ARE TO REMAIN DURING CONSTRUCTION.
3. SEE LIGHTING PLAN LAYOUT SHEETS FOR PROPOSED LIGHTING LAYOUT.
4. SEE CURB LAYOUT SHEETS FOR CURB LAYOUT DETAILS.
5. SEE ROADWAY LAYOUT SHEET FOR PROPOSED ROADWAY LAYOUT.

PROJECT NAME: BARRE TOWN  
PROJECT NUMBER: HES 026-1(K38)  
FILE NAME: z04b198u11bdr.dgn  
PROJECT LEADER: JOSHUA SCHULTZ  
DESIGNED BY: E. ATKINS/W. WONG  
PLOT DATE: 1/30/2008  
DRAWN BY: W. WONG  
CHECKED BY: K.JSHIKURA  
SHEET 22 OF 64

**WATER AND DRAINAGE LAYOUT SHEET I**