

DITCH BERM			
STA	W (mm)	H (mm)	L(m)
7+842.0, LT	300	300	2.7
7+842.0, RT	300	300	2.7
7+908.0, LT	300	600	10.0

CHAIN LINK FENCE, 1.8m  
VINYL COATED, GREEN  
7+760.0, LT TO 7+805.9, LT

7 STA 7+840.0, 10.5 LT TO STA 7+860.0, 18.9 LT  
CONSTRUCT 450mm x 21.0m OPTION PIPE  
RCP (CLASS III, CPEP (SL))  
CONSTRUCT PRCDI-A WITH TYPE B GRATE  
AT STA. 7+840.0, 10.5 LT  
CONSTRUCT 450mm END SECTION  
WITH 0.9m x 1.8m x 600mm TYPE II  
STONE PAD AT OUTLET

U5 STA 7+842.0, 7.5 LT TO STA 7+905.0, 7.5 LT  
CONSTRUCT 200mm x 63.0m UNDERDRAIN  
CONSTRUCT FLUSHING BASIN AT STA 7+842.0

STA 7+902.6, 4.125 RT TO STA 7+916.6, 4.125 RT  
450 mm SLEEVE (PVC)  
STA 7+903.6, 4.125 LT TO STA 7+916.6, 4.125 LT  
600 mm SLEEVE (PVC)

9 STA 7+905.0, 5.4 LT TO STA 7+905.0, 5.4 RT  
CONSTRUCT 450mm x 10.2m OPTION PIPE  
RCP (CLASS III, CPEP (SL))  
CONSTRUCT PRCDI-A WITH TYPE E GRATE  
AT STA 7+905.0, 6.0 LT

8 STA 7+905.0, 17.10 LT TO STA 7+944.0, 17.10 LT  
CONSTRUCT 450mm x 38.2m OPTION PIPE  
PCCSP (L6), CAAP (L5), PCCSP WITH  
TWO 45° ELBOWS,  
450mm METAL END SECTION AT INLET,  
AND 450mm METAL END SECTION AT OUTLET

U3 STA 7+752.0, 7.5 LT TO STA 7+840.0, 7.5 LT  
CONSTRUCT 200mm x 89.0m UNDERDRAIN  
CONSTRUCT FLUSHING BASIN AT STA 7+752.0

5 STA 7+750.0, 10.5 LT TO STA 7+840.0, 10.3 LT  
CONSTRUCT 450mm x 89.0m OPTION PIPE  
RCP (CLASS III, CPEP (SL))  
CONSTRUCT PRCDI-A WITH TYPE B  
GRATE, AT STA 7+750.0

6 STA 7+840.0, 11.6 RT TO STA 7+840.0, 10.3 LT  
CONSTRUCT 450mm x 21.0m OPTION PIPE  
RCP (CLASS III, CPEP (SL))  
CONSTRUCT PRCDI-A WITH TYPE B  
GRATE, AT STA 7+840.0, 11.6 RT

CONTRACTOR MAY CONSTRUCT TEMPORARY  
BRIDGE OR CAUSEWAY, MAXIMUM ALLOWABLE  
LIMITS OF IMPACT TO RIVER AND ISLAND ARE  
SHOWN, (PAID UNDER ITEM 900.645 - SPECIAL  
PROVISION (TEMPORARY ACCESS ROAD AND  
STAGING AREAS, BRIDGE))

TEMPORARY BRIDGE  
OR CAUSEWAY

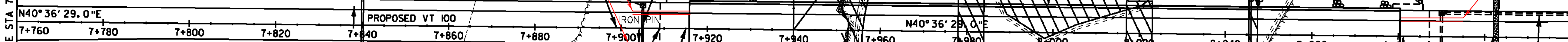
STA 8+079.6, 4.125 LT TO STA 8+091.945, 4.126 LT  
600 mm SLEEVE (PVC)

STA 8+102.0, LT  
CONSTRUCT 1.2m x 33.7m x 300mm  
STONE PAD, TYPE I

OPENING OR PIPE TO BE SIZED  
TO SAFELY CONVEY THE  
02.33YR FLOOD EVENT

MATCHLINE STA 7+760

MATCHLINE STA 8+120



\*SEE DETAILED SKETCH FOR  
ADDED UNDERDRAIN, SHEET 20A

7+865.9, 25.1 RT  
STA 7+796.2, 19.0 RT  
TO STA 7+800.3, 18.8 RT 7+870, 25.1 RT  
APPROACH END TERMINAL  
(SEE STD. G-ID)

STA 7+777.0, 18.2 RT  
TO STA 7+800.3, 18.8 RT  
CONSTRUCT STEEL BEAM  
GUARDRAIL 7+870, 25.1 RT

STA 7+915.00  
END ROADWAY  
BEGIN BRIDGE

10 STA 7+905.0, 6.0 RT TO STA 7+915.0, 9.0 RT  
CONSTRUCT 450mm x 10.0m OPTION PIPE  
RCP (CLASS III, CPEP (SL))  
WITH 450mm END SECTION AT OUTLET  
CONSTRUCT PRCDI-A WITH TYPE E GRATE  
AT STA 7+905.0, 6.0 RT  
OUTLET INTO STONE LINED DITCH (SEE MISCELLANEOUS  
DETAIL SHEET FOR DITCH TYPICAL. SEE SPOT  
ELEVATIONS ON THIS PLAN FOR DITCH PROFILE.)

U6 STA 7+842.0, 7.5 RT TO STA 7+905.0, 7.5 RT  
CONSTRUCT 200mm x 63.0m UNDERDRAIN  
CONSTRUCT FLUSHING BASIN AT STA 7+842.0

U4 STA 7+752.0, 7.5 RT TO STA 7+840.0, 7.5 RT  
CONSTRUCT 200mm x 89.0m UNDERDRAIN  
CONSTRUCT FLUSHING BASIN AT STA 7+752.0

SPECIAL DITCH WITH STONE FILL TYPE II  
7+915.0, RT TO STA 7+939.0, RT  
SEE MISCELLANEOUS DETAIL SHEET

SPECIAL DITCH - VEGETATED SWALE  
7+860.0, LT TO STA 7+905.0, LT  
SEE CROSS SECTIONS FOR SWALE GEOMETRY

RECONSTRUCT GRAVEL DRIVE  
WITHIN THE IMPACTED LIMITS  
WITH SUBBASE OF GRAVEL  
(300mm DEEP) AND 75mm  
AGGREGATE SURFACE COURSE

STA 7+766 RT TO 7+808 RT  
CONSTRUCT RETAINING WALL.  
SEE RETAINING WALL PLAN  
SHEET.

PERMANENT  
IMPACT LINE

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

STORAGE UNITS

LEGEND

- DITCH BERM
- STONE CHECK DAM
- DRAINAGE NOTE  
(SEE DRAINAGE DETAIL SHEET)
- UNDERDRAIN NOTE  
(SEE ITEM DETAIL SHEET)



NOTES:

1. SEE RIGHT-OF-WAY PLANS FOR PERMANENT  
AND TEMPORARY RIGHT-OF-WAY INFORMATION.
2. SEE MISCELLANEOUS DETAIL SHEET FOR DITCH  
BERM DETAILS.

NOTE: ALL DIMENSIONS IN METERS (M) EXCEPT WHERE NOTED.

PROJECT NAME:	MORRISTOWN	PLOT DATE:	29-MAR-2012
PROJECT NUMBER:	STP F 029-(K)C/1	DRAWN BY:	MAL
FILE NAME:	z10b194104.dgn	DESIGNED BY:	BRC
LAYOUT SHEET - 2		CHECKED BY:	DMB
		SHEET	20 OF 123