

DRAINAGE DETAIL SHEET



DRAINAGE STRUCTURES

STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE		D.I. REHAB CLASS		CLEANING CULVERT L m	PIPE		ALLOWABLE OPTIONS						PIPE ELBOW NO. DEG	E eo	CB eo	DEPTH DI m	CONC CL B m ³	REINF STEEL kg	DI GRATE TYPE	CHAN ELEV eo	TRENCH EXCAVATION		COMMON EXCAVATION		CHANNEL EXCAVATION		GEOT FABR m ²	GRAN BK FILL STRUCT m ³	GRAN BORR m ³	EROS MATT m ²	STONE FILL		MARKER POSTS		REMARKS
				INLET	OUTLET	I eo	II eo		D mm	L m	PCCSP mm	CAAP mm	RCP CL	CPEP mm	CPEP SL mm	PCCSP PI mm									EARTH m ³	ROCK m ³	EARTH m ³	ROCK m ³	EARTH m ³	ROCK m ³					m ³	TYPE	LT eo	RT eo	
SIO+006	SIO+153	C/L																																		CONSTRUCT A SPECIAL DITCH; INSTALL STONE FILL, TYPE II			
I6+700.0	I6+700.0	RT		RCDI	ES				450	32	I.7	I.6		450		2/22.5°	I																			I	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm DOWNSPOUT.		
I6+700.0	I6+737.5	RT		RCDI	RCDI				450	38	I.7	I.6	III	450	450																						CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.		
I6+737.5	I6+743.8	RT/LT		RCDI	RCDI				450	22	I.7	I.6	III	450			I																				CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.		
XIO+196.5	XIO+200	RT		(RCDI)	(ES)																		59	2.2												REMOVE EXISTING 600 mm x 600 mm DI & 450 mm CAAP WITH END SECTION.			
AIO+109.5	AIO+138.2	RT		(ES)	(ES)																															REMOVE EXISTING 450 mm CMP WITH END SECTIONS.			
AIO+056	AIO+056	RT		RCDI	ES				300	10	I.7	I.6	III	300	300			I																		I	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 300 mm PIPE WITH A STONE PAD AT OUTLET.		
BIO+139.4	BIO+139.4	RT		RCDI	ES				450	20	I.7	I.6	III	450	450			I																		I	CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.		
BIO+139.4	BIO+139.4	LT/RT		RCDI	RCDI				450	19	I.7	I.6	III	450	450																							CONSTRUCT A RCDI (FOR DITCH BOTTOM) WITH A PRECAST COVER & A TYPE 'A' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.	
ABIO+041.3	ABIO+042.5	LT/RT		(RCDI)	(RCDI)																																REMOVE EXISTING 600 mm x 600 mm DI & 450 mm CMP.		
ABIO+041.3	ABIO+049.7	LT		(RCDI)	(ES)																																	REMOVE EXISTING 600 mm x 600 mm DI & 450 mm CMP WITH END SECTION.	
ABIO+095.6	ABIO+099.0	LT/RT		(RCDI)	(ES)																																	REMOVE EXISTING 600 mm x 600 mm DI & 450 mm CAAP WITH END SECTION.	
ABIO+163.2	ABIO+180.7	RT		(ES)	(ES)																																	REMOVE EXISTING 900 mm RCP WITH END SECTIONS.	
ABIO+183.6	ABIO+187.4	RT		(RCDI)	(ES)																																	REMOVE EXISTING 600 mm x 600 mm DI & 450 mm CMP.	
ABIO+042.5	ABIO+046.0	RT/LT		RCDI	RCDI				450	12	I.7	I.6	III	450	450																						CONSTRUCT A RCDI WITH A COVER AND A TYPE 'D' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.		
SUBTOTAL									300	10	10	10	10	10	10			1																				PROJECT NAME : BENNINGTON - HOOSICK	
									450	143	143	III	143	89				2	3																		PROJECT NO. : D.P.I. 0146(I) C/4		
																																					DESIGN FILE NAME: /5116/VAOT/DRADET2.DGN		
																																					IPARM FILE NAME: N/A		
																																					SURVEYED BY: N/A		
																																					SQUAD LEADER: T.P.K.		
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