SEE NEW DRAINAGE SUMMARY SHEET

DRAINAGE DETAIL SHEET - STP 0126(4)S

Metric

SUMMARY OF ESTIMATED QUANTITIES

STATION km + m	STATION km + m	POS.	ASKEW	INLET / OUTLET TYPE		DITCH		PIPE		PIPE ARCH			ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PROCD	DEPTH DI	CONC CL B	REINF STEEL	GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		GEO-TEXTILE	MARKER POSTS		(#)	REMARKS
				INLET	OUTLET	IN	OUT	D mm	L m	SPAN mm	RISE mm	L m	PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL	CPEP ✓	NO. DEG	EA.	EA.		mm	m^3	kg	TYPE	EA.	m^3	EARTH m^3	ROCK m^3	m^3	m^3	m^3	m^3	m^3	m^3	m^3	TYPE	MAT. m^2	LT ea.	RT ea.		
10+197	10+257	RT	–	CB	CB	–	–	450	59	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	55.1	–	–	–	–	–	–	–	–	–	–	–	1	–
10+257	10+300	RT	–	CB	CB	–	–	450	42	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	41.5	–	–	–	–	–	–	–	–	–	–	–	1A	–
10+300	10+300	LT/RT	–	CB	CB	–	–	450	6.5	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	13.0	–	–	–	–	–	–	–	–	–	–	–	2	–
10+300	10+350	RT	–	CB	CB	–	–	450	49	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	50.6	–	–	–	–	–	–	–	–	–	–	–	3	–
10+340	10+350	LT/RT	–	CB	CB	–	–	450	12	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	17.7	–	–	–	–	–	–	–	–	–	–	–	4A	NO SUMP ON CATCH BASIN
10+350	10+400	RT	–	CB	CB	–	–	450	49	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	50.6	–	–	–	–	–	–	–	–	–	–	–	4	–
10+400	10+459	RT	–	CB	CB	–	–	450	58	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	59.2	–	–	–	–	–	–	–	–	–	–	–	4B	–
10+459	10+476	RT	–	CB	CB	–	–	450	17	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	29.8	–	–	–	–	–	–	–	–	–	–	–	5	1.5m DIAMETER CATCH BASIN
10+450	10+459	LT/RT	–	CB	CB	–	–	450	6.2	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	15.8	–	–	–	–	–	–	–	–	–	–	–	5A	–
10+476	10+498	RT	–	CB	–	–	–	450	21	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	E	–	–	30.2	–	–	–	–	–	–	–	–	–	–	–	6	–
10+591	10+581	LT/RT	–	CB	HDW	–	–	600	–	–	–	–	–	–	–	–	24	–	–	–	1	–	–	2.0	5.6	B	–	–	100.1	–	–	–	–	–	–	–	0.9	I	2.9	–	–	8	–
10+810	10+825	LT	–	CB	–	–	–	375	–	–	–	–	–	–	–	–	15	–	–	–	1	–	–	–	–	E	–	–	26.7	–	–	–	–	–	–	–	–	–	–	–	9	–
10+940	10+940	LT/RT	–	CB	HDW	–	–	600	–	–	–	–	–	–	–	–	17.2	–	–	–	1	–	–	2.0	5.6	A	–	–	50.7	–	–	–	–	–	–	–	0.9	I	2.9	–	–	10	–
11+000	11+004	LT/RT	–	HDW	HDW	–	–	1200	7.8	–	–	–	–	–	III	–	–	–	–	–	–	–	–	12.5	41.0	–	–	–	54.8	–	–	–	–	–	–	–	4.8	II	8	–	–	11	–
11+009	11+004	RT	–	DI	HDW	–	–	375	4.0	–	–	–	–	–	III	–	–	–	–	–	–	1	–	–	–	E	–	–	8.8	–	–	–	–	–	–	–	4.8	II	8	–	–	11A	–
11+025	11+006	LT	–	–	–	–	–	375	–	–	–	–	–	–	–	–	17	–	–	–	–	–	–	–	–	–	–	–	14.0	–	–	–	–	–	–	–	–	–	–	–	–	12	–
11+195	11+209	LT	–	CB	–	–	–	375	13	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	B	–	–	16.2	–	–	–	–	–	–	–	–	–	–	–	13	–
11+211	11+220	LT	–	RCP	–	YES	YES	375	9	–	–	–	–	–	III	–	–	–	–	–	–	–	–	–	–	–	–	–	7.4	–	–	–	–	–	–	–	–	–	–	–	13A	–
11+277	11+283.5	LT/RT	–	HDW	RCP	YES	YES	1800	18	–	–	–	–	–	III	–	–	–	–	–	–	–	–	23.4	74.4	–	–	–	160.1	–	–	–	–	–	–	–	48	IV	48.0	–	–	14	–
11+255	11+255	RT	–	DI	–	–	–	375	–	–	–	–	–	–	–	–	2.2	–	–	–	–	1	–	–	–	E	–	–	4.0	–	–	–	–	–	–	–	1.2	I	4.0	–	–	14A	–
11+370	11+370	LT/RT	–	CB	ES	–	–	600	–	–	–	–	–	–	–	–	17.9	–	–	1	1	–	–	–	–	A	–	–	69.8	–	–	–	–	–	–	–	1.7	II	2.9	–	–	15	–
11+552	11+552	LT/RT	–	CB	HDW	–	–	600	–	–	–	–	–	–	–	–	11.9	–	–	–	1	–	–	2.0	5.6	B	–	–	30.8	–	–	–	–	–	–	–	0.9	I	2.9	–	–	16A	–
11+600	11+650	LT	–	CB	CB	–	–	600	–	–	–	–	–	–	–	–	47.6	–	–	–	1	–	–	–	–	B	–	–	88.7	–	–	–	–	–	–	–	–	–	–	–	–	16	–
11+650	11+653	LT/RT	–	CB	HDW	–	–	600	–	–	–	–	–	–	–	–	9.1	–	–	–	1	–	–	–	–	B	–	–	24.4	–	–	–	–	–	–	–	–	–	–	–	–	17	–
11+680	11+697	LT	–	CB	–	–	–	375	16.7	–	–	–	–	–	III	–	–	–	–	–	1	–	–	–	–	B	–	–	35.4	–	–	–	–	–	–	–	–	–	–	–	–	18	–
11+698	11+698	LT/RT	–	HDW	HDW	YES	–	1200	15.9	–	–	–	–	–	III	–	–	–	–	–	–	–	–	11.8	18.6	–	–	–	65.2	–	–	–	–	–	–	–	3.5	II	5.8	–	–	19	–
11+720	11+700	LT	–	RCP	–	YES	–	375	20.0	–	–	–	–	–	III	–	–	–	–	–	–	–	–	–	–	–	–	–	16.5	–	–	–	–	–	–	–	–	–	–	–	–	20	–
11+750	11+750	RT	–	DI	–	YES	–	375	–	–	–	–	–	–	–	–	4.1	–	–	–	–	1	–	–	–	B	–	–	5.1	–	–	–	–	–	–	–	5.8	II	–	–	–	20A	–
11+849	11+849	LT/RT	–	RCP	HDW	–	–	450	16.0	–	–	–	–	–	III	–	–	–	–	–	–	–	–	1.3	5.6	–	–	–	28.4	–	–	–	–	–	–	–	0.9	I	2.9	–	–	21	–

DATUM

VERTICAL NGVD 1929

HORIZONTAL NAD 1927

V:\1281\CADD\PLANS\SUMMARY_DRAINAGE_C2.DWG

THE LOUIS BERGER GROUP, INC.

PROJECT: GRAFTON-ROCKINGHAM, ROUTE 121

PROJECT NO. : STP 0126(4)S

DESIGN FILE NAME:
IPARM FILE NAME:
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 12/08/03
SURVEY DATE:
DRAWN BY:
SHEET: 6 OF 116