

MUNICIPALITY OF SHUNIAH
LAKESHORE DRIVE CULVERT REPLACEMENTS

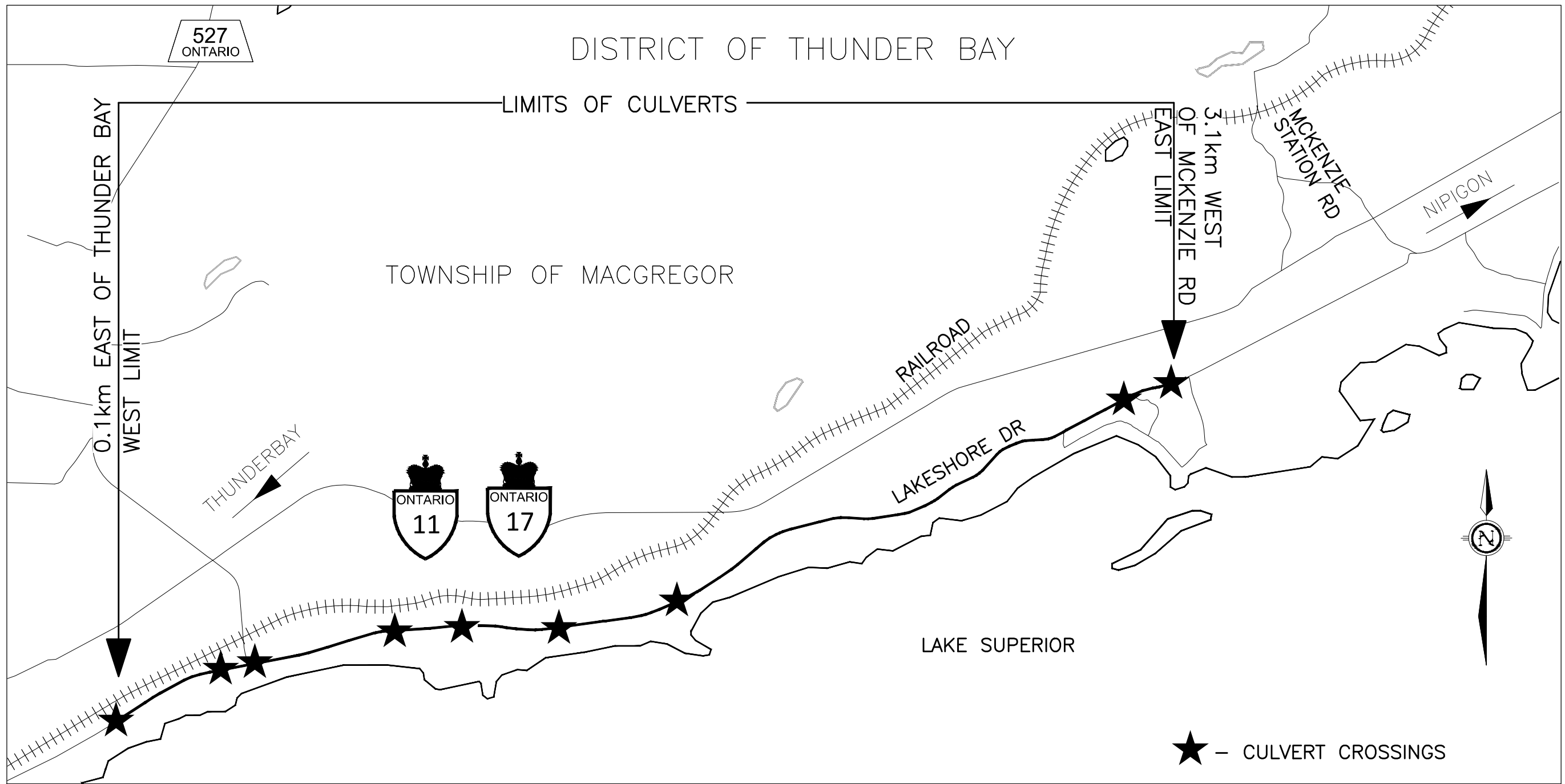
CONTRACT NO. C2024-1

CONTRACT DRAWINGS
BOOK 1 OF 1



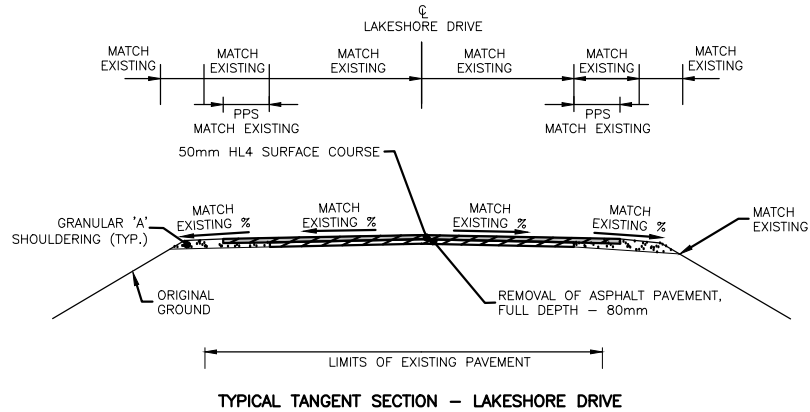
MUNICIPALITY OF
SHUNIAH INC. 1873
A Superior Living Experience



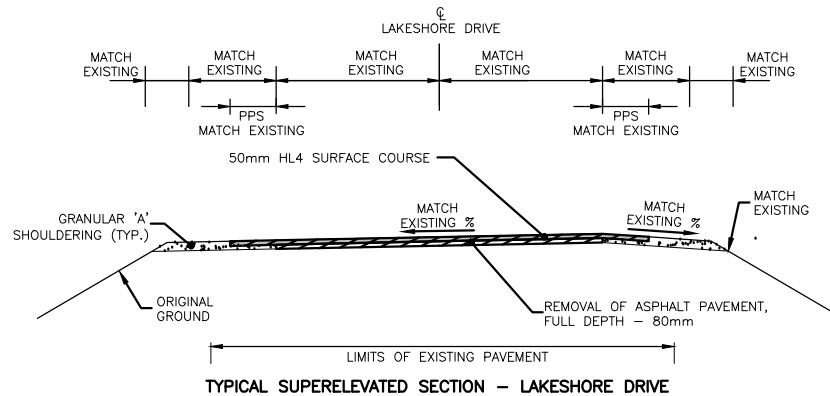


KEY PLAN



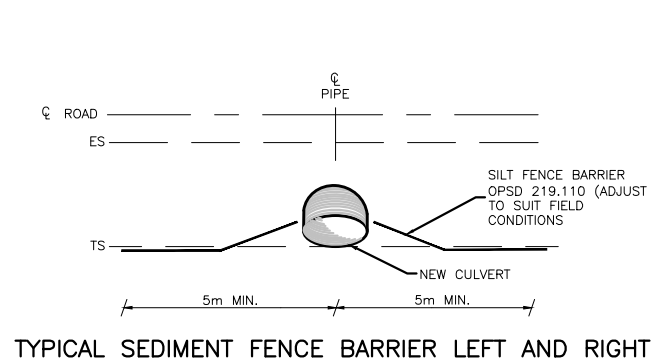


TYPICAL TANGENT SECTION - LAKESHORE DRIVE

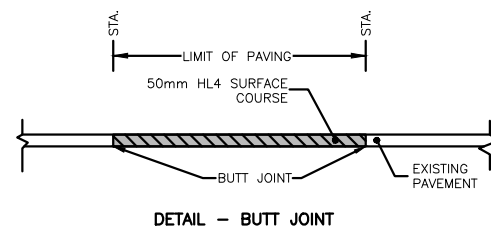


TYPICAL SUPERELEVATED SECTION - LAKESHORE DRIVE

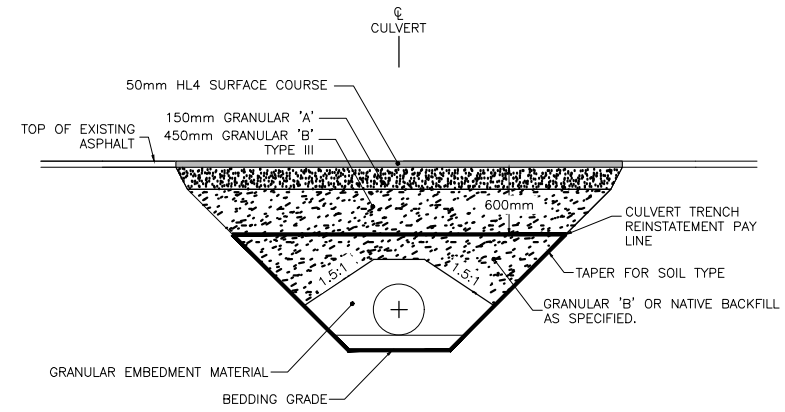
CULVERT STATION	START STATION	END STATION	QUANTITY	
			REMOVAL OF ASPHALT PAVEMENT (m ²)	HL4 - 50mm LIFT THICKNESS (m ²)
10+132	10+129	10+135	56	56
11+510	11+508	11+512	46	46
11+871	11+868	11+874	62	62
13+564	13+561	13+567	51	51
14+332	14+329	14+335	56	56
15+475	15+473	15+477	38	38
16+879	16+877	16+881	36	36
22+690	22+688	22+694	53	53
23+259	23+257	23+262	49	49



TYPICAL SEDIMENT FENCE BARRIER LEFT AND RIGHT



CULVERT STATION	START STATION	END STATION
10+132	10+129	10+135
11+510	11+508	11+512
11+871	11+868	11+874
13+564	13+561	13+567
14+332	14+329	14+335
15+475	15+473	15+477
16+879	16+877	16+881
22+690	22+688	22+694
23+259	23+257	23+262



TYPICAL SECTION CENTRELINE CULVERT TRENCH REINSTATEMENT

CULVERT STATION	d' DEPTH (mm)	QUANTITY	
		GRANULAR B (t) (SUB-BASE)	GRANULAR A (t) (BASE & SHOULDER)
10+132	600	88	30
11+510	600	87	28
11+871	600	101	36
13+564	600	74	25
14+332	600	76	26
15+475	600	61	22
16+879	600	69	22
22+690	600	91	31
23+259	600	59	21

NOTES:
 1. TRENCH REINSTATEMENT TYPICAL TO BE READ IN CONJUNCTION WITH OPSD 800 SERIES.
 2. ALL MATERIALS WITHIN THE PAY LINE OF THE CULVERT TRENCH REINSTATEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE APPLICABLE CULVERT ITEM.

CULVERT STATION	LEFT		RIGHT		SKEW NUMBER	DIAMETER (mm)	EXISTING LENGTH (m)	NEW LENGTH (m)	DEPTH OF COVER (m)	PIPE FILL MATERIAL ²			PIPE JOINTS
	INVERT ¹ (m)	OFFSET (m)	INVERT ¹ (m)	OFFSET (m)						BEDDING	COVER	BACKFILL	
10+132	193.46	7.9	193.36	12.0	89	900	17.0	20.0	1.6	G	G	N	S
11+510	193.34	8.4	192.86	10.7	90	800	20.0	20.0	1.0	G	G	N	S
11+871	188.41	13.4	188.10	9.7	90	600	23.0	23.0	1.7	G	G	N	S
13+564	193.25	8.7	192.74	8.3	93	800	18.0	18.0	0.9	G	G	N	S
14+332	196.28	8.3	196.19	8.9	97	600	16.0	18.0	1.2	G	G	N	S
15+475	195.94	7.4	195.83	8.1	89	600	16.0	16.0	0.9	G	G	N	S
16+879	194.91	7.6	194.42	11.1	91	600	19.0	19.0	0.8	G	G	N	S
22+690	204.83	7.3	204.32	11.2	91	600	19.0	19.0	1.7	G	G	N	S
23+259	205.83	6.2	205.20	8.1	97	600	15.0	15.0	0.9	G	G	N	S

NOTE:
 1. Minimum 10% embedment
 2. Granulars as per OPSS 401
 G = Granular A or B Type I, II or III
 N = Native or Granular
 S = Soil Tight

0	ISSUED FOR TENDER	07/10/24	MP
No.	Revision	Date	Initial

Scale:
1:2500
 Date:
07/10/24
 Drawn By:
PP
 Checked By:
MP

THUNDER BAY **LAKESHORE DRIVE** ONTARIO
 PAVING AND DRAINAGE TYPICALS
 Drawing No: 1 Project No: 23-221 Rev. 0



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