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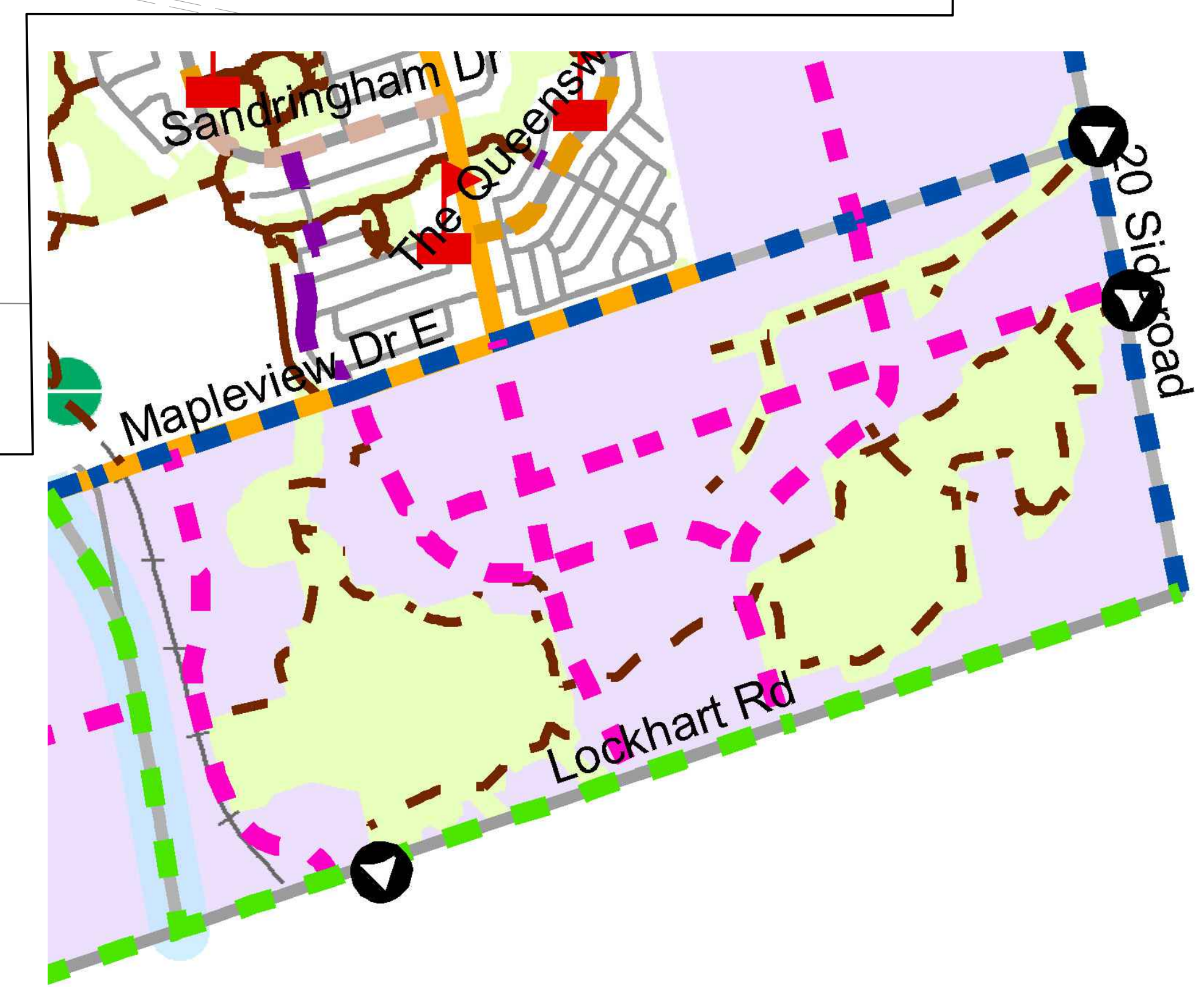
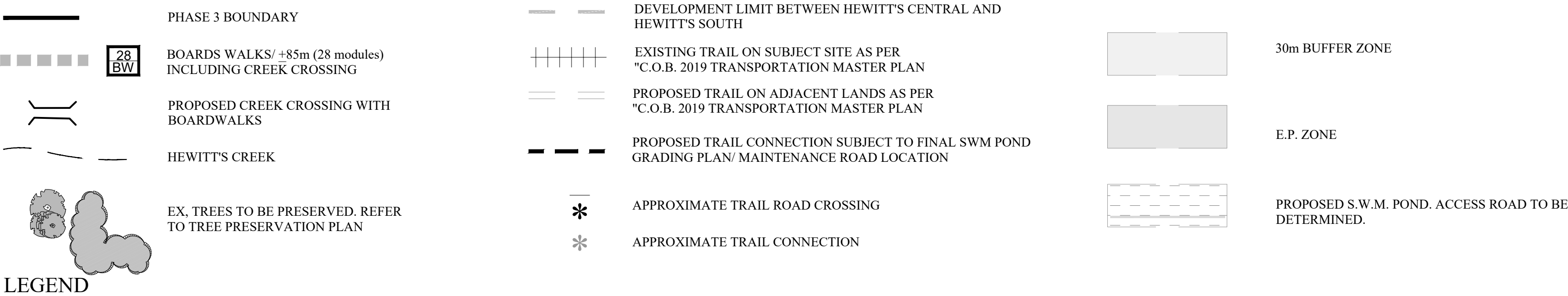
No.	REVISION	DATE	APRVD.
1.	CLIENT REVIEW	December 12, 2023	ST
2.	REVISED AS PER CITY COMMENTS	July 15, 2024	ST

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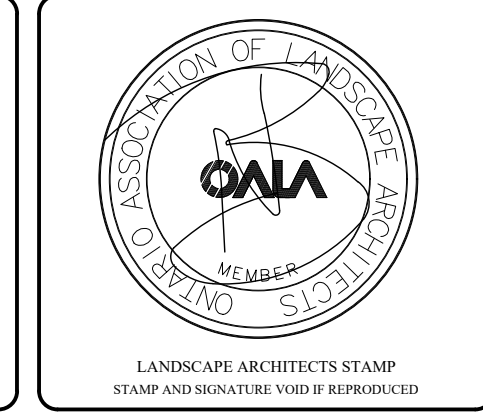
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Client info:  
Bradley Homes Inc.



**JDB ASSOCIATES LTD.**  
Urban Designers  
Landscape Architects  
Arborists  
274 Burton Ave., Suite 1201  
Barrie, Ontario  
L4Y 5W4  
Fax: 705-722-5660  
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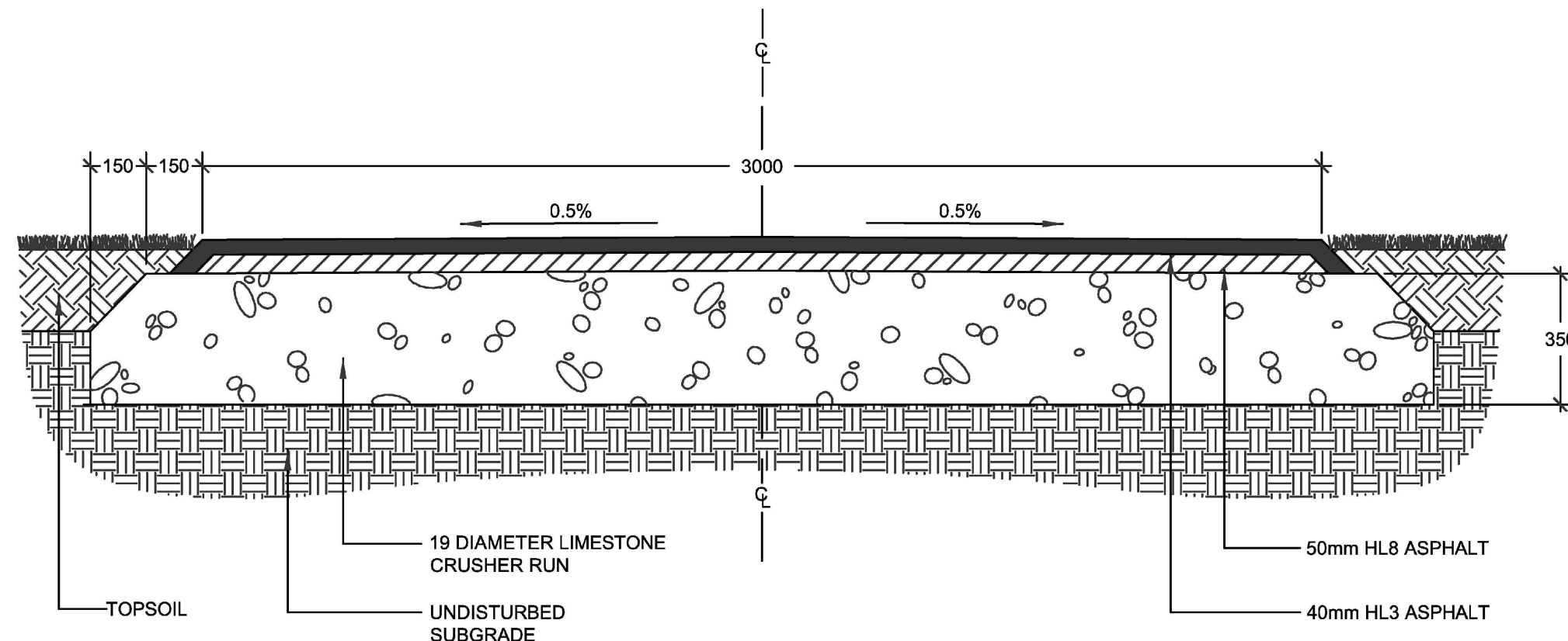
**Hewitt's Central and Hewitt's South**  
PART 1, PLAN S1R - 39932  
PART 1, PLAN S1R - 39992  
PART 4, PLAN S1R - 39092  
City of Barrie

**TRAIL CONNECTIONS**

SCALE:	DESIGNED BY:	REVIEWED BY:
as shown	ST	NB
CITY FILE No.	OUR FILE REF. #	L-1
	23-23	



	TRAIL TYPE	USE	SURFACE	BASE DEPTH	WIDTH	CLEARANCE SETBACK	CLEARANCE SETBACK FOR SHRUBS ONLY
OPEN SPACE/ ENVIRONMENTAL PROTECTION	NATURAL TRAIL	PEDESTRIAN	WOODCHIPS EARTHEN	0 - 150mm	1 - 2m	0 - 1.5m	N/A
	MULTI-USE TRAIL	PEDESTRIAN MIXED USE	LIMESTONE SCREENINGS GRANITE SCREENINGS GRANULAR A/CLEAR STONE	150mm	2 - 3m	1.5m	3.0m
	MULTI-USE TRAIL WITH MAINTENANCE	PEDESTRIAN VEHICULAR	LIMESTONE SCREENINGS GRANITE SCREENINGS GRANULAR A/CLEAR STONE	300 - 350mm	3 - 4m	1.5m	3.0m
PARKLAND	PATHWAY	PEDESTRIAN MIXED USE VEHICULAR	ASPHALT - (P1272, P1273) UNIT PAVERS CONCRETE	300 - 350mm	3 - 4m	1.5m	3.0m
	MIXED USE WATERFRONT TRAIL	MIXED USE VEHICULAR	ASPHALT - (P1272, P1273) CONCRETE	300 - 350mm	3 - 4m	2.0m	4.0m
	FULL SERVICE WATERFRONT TRAIL	PEDESTRIAN MIXED USE VEHICULAR	ASPHALT - (P1272, P1273)	350mm	4 - 5m	1.5m	N/A
SWMF	STORMWATER MANAGEMENT FACILITY ROAD ACCESS	VEHICULAR	50mm TOPSOIL/GRASS ON GRANULAR BASE	350 - 400mm	4 - 5m	1.5m	N/A



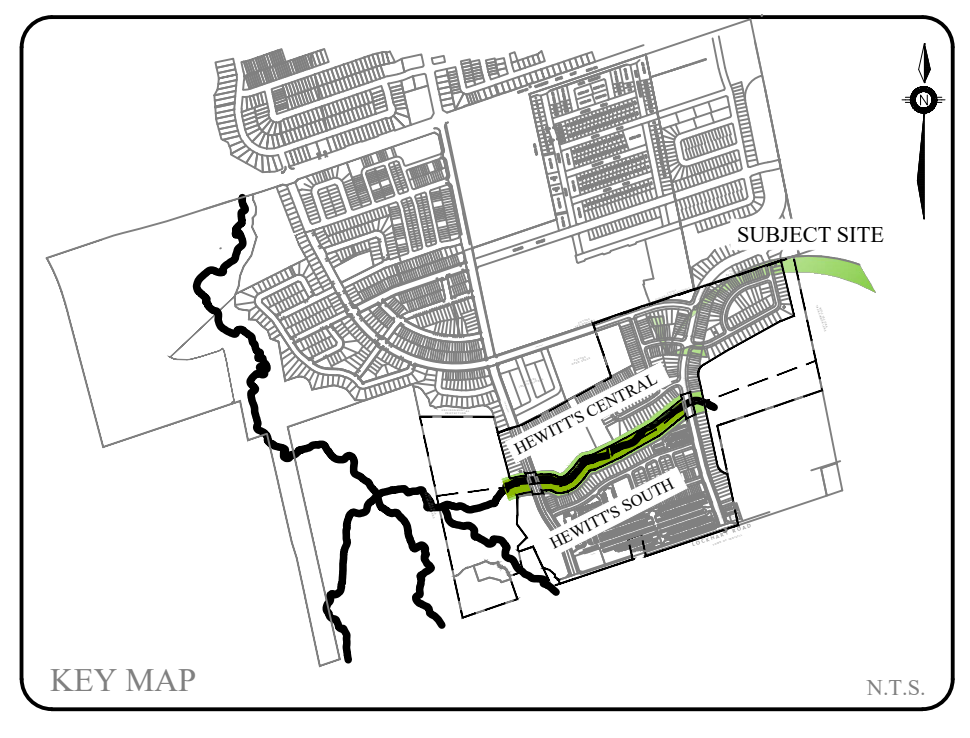
1. ASPHALT SHALL BE PLACED AND SPREAD USING A MECHANICAL PAVER.
2. ASPHALT LAYERS (AFTER ROLLING) TO BE COMPACTED TO A MINIMUM 97% S.P.M.D.D.
3. IN THE EVENT OF UNSUITABLE SUB-GRADE MATERIAL, BASE IS TO BE OVER-EXCAVATED AND BACKFILLED WITH GRANULAR 'B' COMPACTED TO 98% S.P.M.D.D.
4. ALL BACKFILL TO BE COMPACTED IN LIFTS OF 100mm.
5. ENSURE POSITIVE DRAINAGE.
6. TAMP ALL EDGES TO A FIRM 45 DEGREE BEVEL.
7. ALL DIMENSIONS ARE IN MILLIMETRES.
8. REFER ALSO TO P1273.

**Barrie** TRAIL AND PATHWAY CONSTRUCTION MATRIX

REV No. **2** DATE: APR 2023  
SCALE: N.T.S.  
**P1274**

**Barrie** PARK WALKWAY WITH CENTRE CROWN

REV No. **3** DATE: APR 2023  
SCALE: N.T.S.  
**P1272**



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PHOTO 1 - EXISTING TRAIL ON THE EAST SIDE TO BE UPGRADED

PHOTO 2 - EXISTING TRAIL ON THE EAST SIDE/ CULVERT AREA

PHOTO 3 - EXISTING CULVERT EAST OF THE TRAIL

PHOTO 4 - EXISTING CULVERT WEST OF THE TRAIL

LOCATION OF THE EXISTING TRAIL AND CULVERT ON EAST SIDE OF THE SUBJECT SITE

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AERIAL PHOTO OF THE PROPOSED CREEK CROSSING



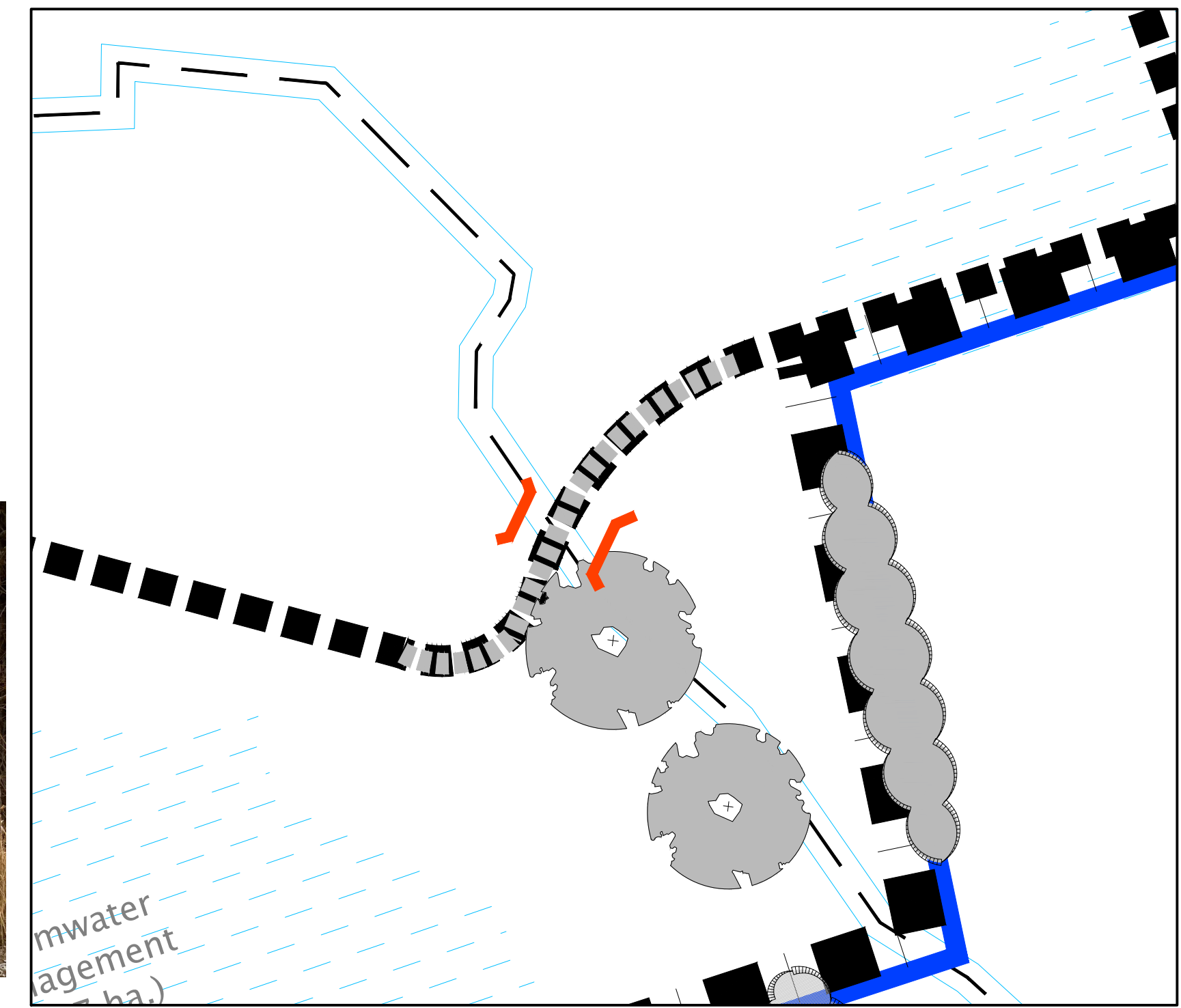
PHOTO 5 - EX. CREEK MAX 2m WIDE ADJACENT TO THE PROPOSED CREEK CROSSING LOCATION



PHOTO 6 - EX. CREEK CROSSING WITH CULVERT BY THE PREVIOUS OWNER TO BE UPGRADED.



PHOTO 7 - NORTH-EAST VIEW OF THE PROPOSED CREEK CROSSING LOCATION



**JONES CONSULTING GROUP LTD.**  
PLANNERS & ENGINEERS  
BASE PLAN REVISED: September, 2023

Client info:  
Bradley Homes Inc.

LANDSCAPE ARCHITECTS STAMP  
STAMP AND SIGNATURE VOID IF REPRODUCED

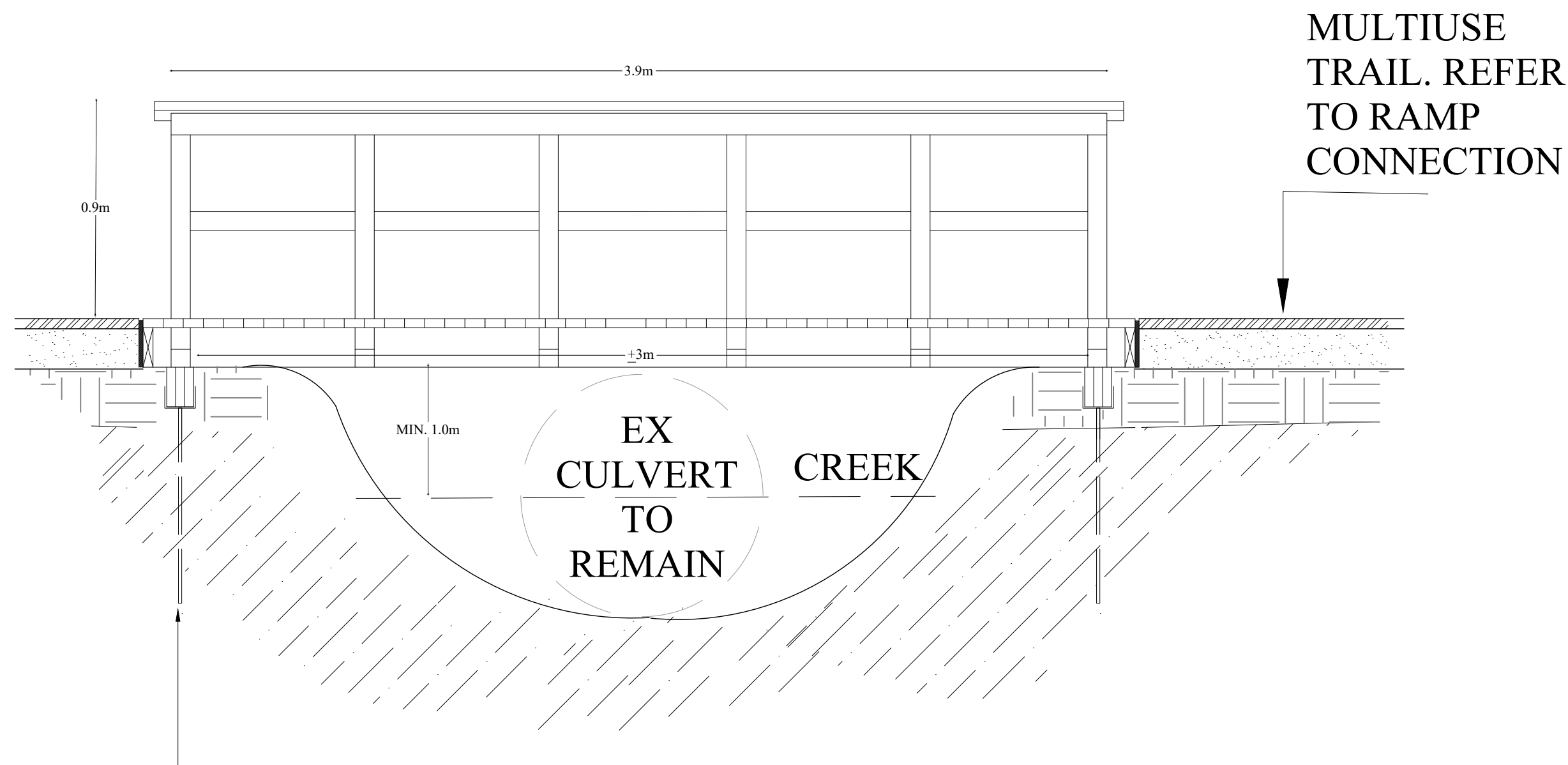
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**TRAIL DETAILS**

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CITY FILE No.	OUR FILE REF. # 23-23	L-2

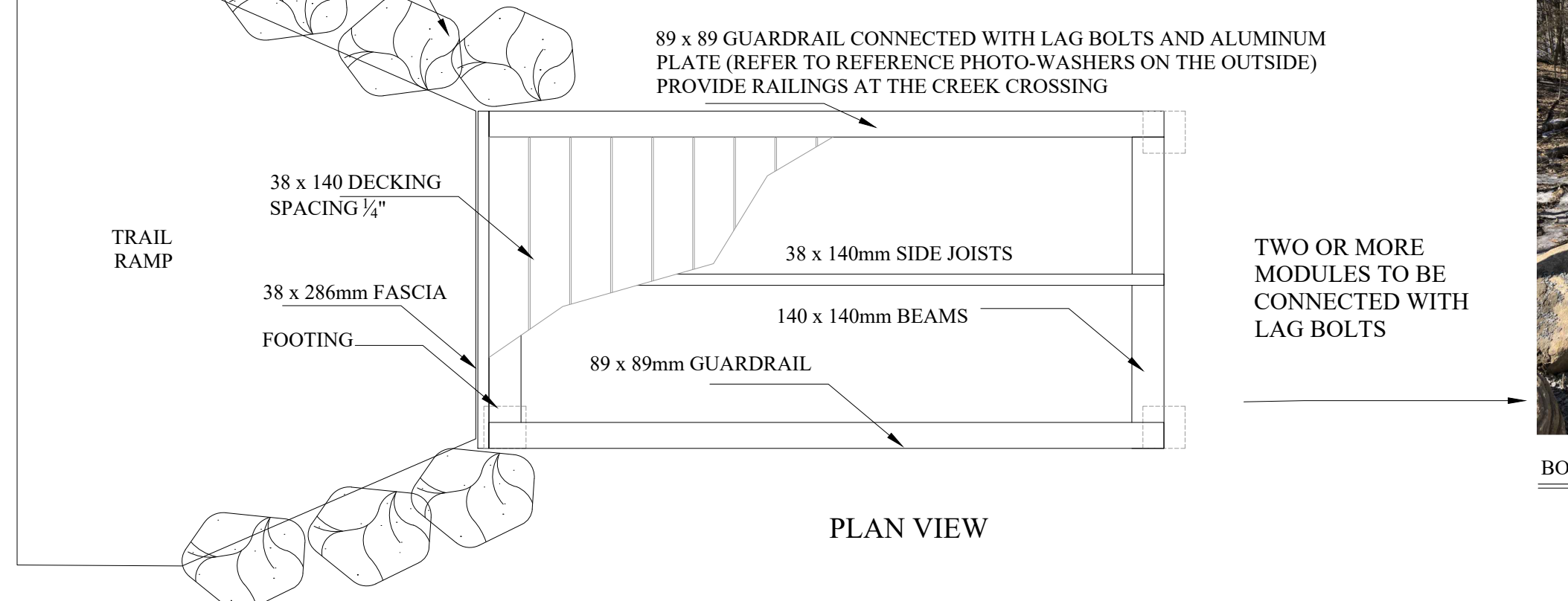
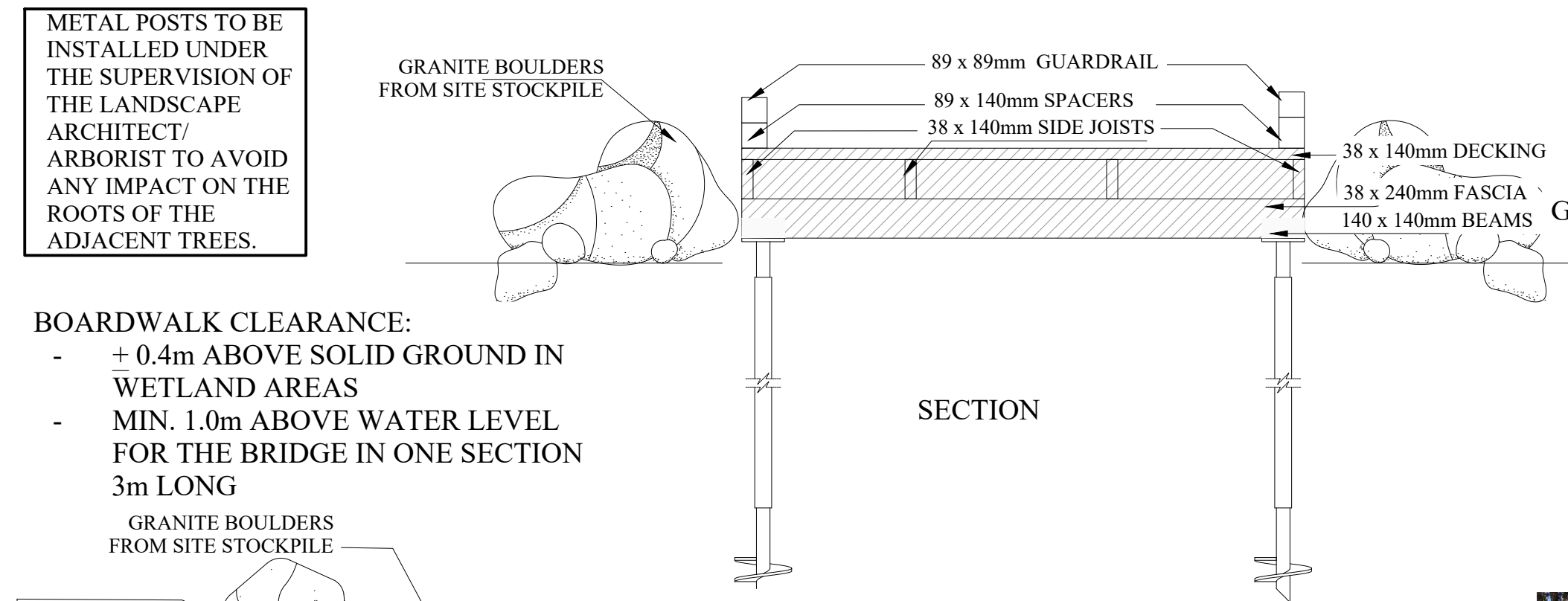
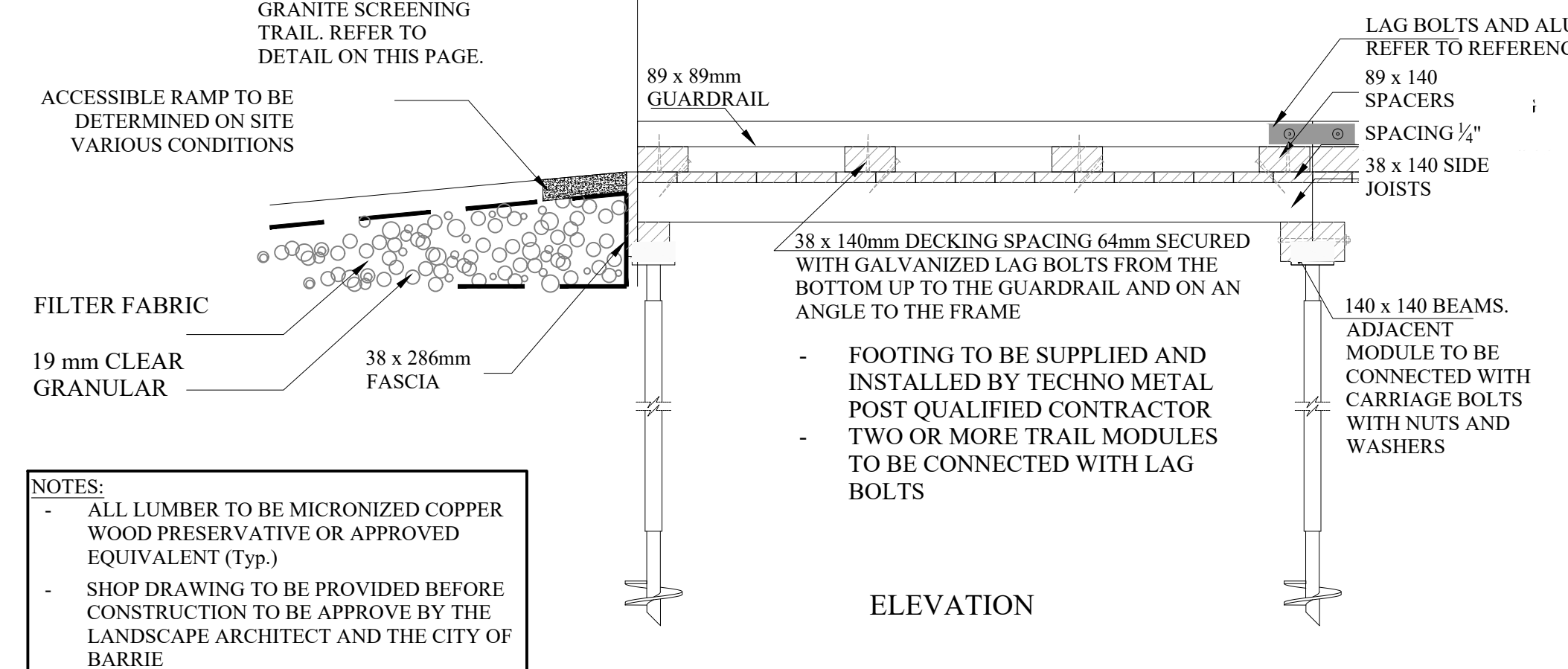




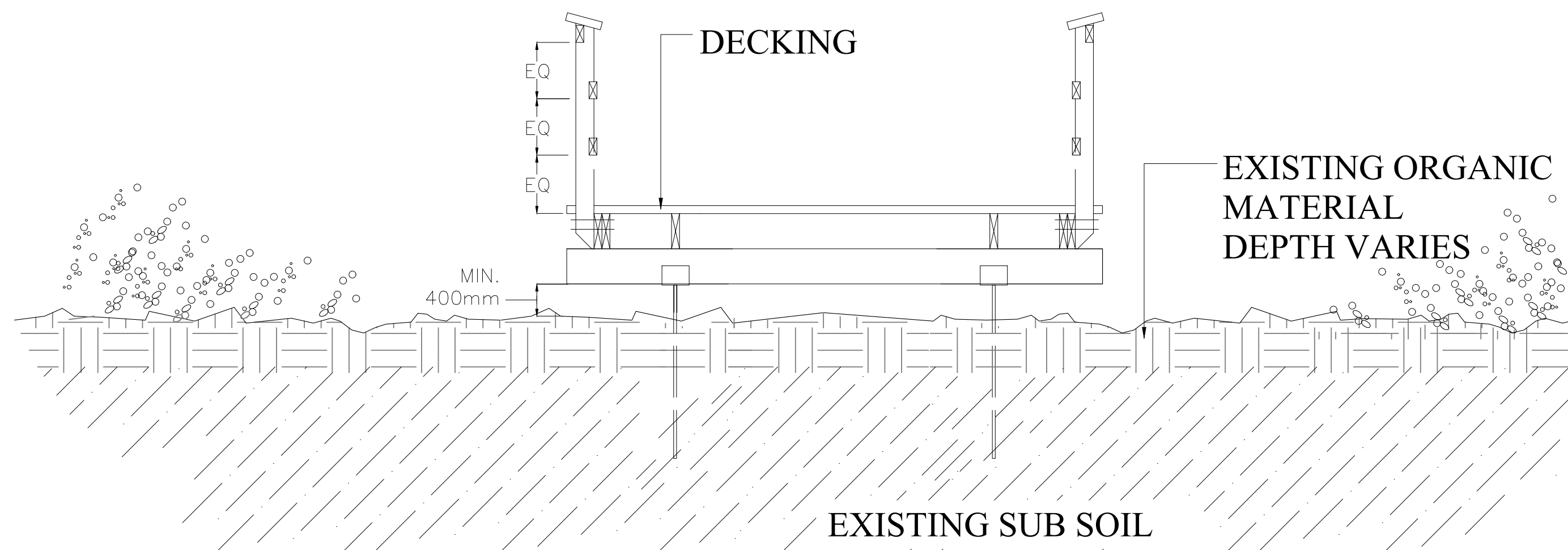
**HELICAL PILES**

Load Capacity					
Maximum compressive bearing capacity <sup>1,3</sup>		Lateral bearing capacity <sup>2,4</sup>		Factored bending resistance	
SLS	ULS	SLS	ULS	SLS	ULS
(kN)	(kN)	(kN)	(kN)	(kNm)	(kNm)
9,600	42.7	13,440	59.8	450	2.0
				1,785	2.4

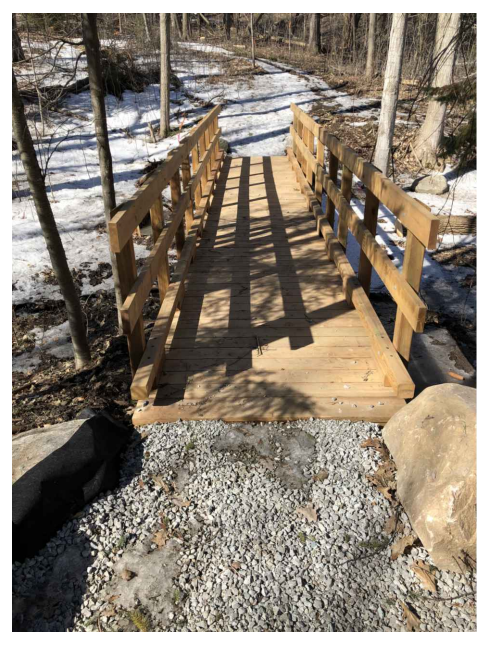
NOTES:  
 1 The maximum tensile load capacity can be obtained, conservatively, by halving the value of the bearing capacity in compression about the section table.  
 2 The lateral capacity depends on the density of soil so validate consult technical department of Techno Metal Post.  
 3 When the pile is laterally unsupported (not very loose / soft, equitable soils, water and air), the structural strength of the pile must be approved by the technical department of Techno Metal Post.  
 4 The values of lateral capacity are average values and can be modified, more or less, depending on the characteristics of the existing soil.  
 5 If required, piles may be field welded with extensions to achieve greater loading capacities in poor soil conditions.  
 6 If required, the helix of pile and the supporting plate can be galvanneal in accordance with standard CSA G 154 G 154 M02 410g / m<sup>2</sup>.



MODULAR BOARDWALK DETAILS - REFER TO LP-11 FOR LOCATION SCALE 1:20



**BRIDGE RAILING DETAIL. REFER TO BRIDGE PHOTO**

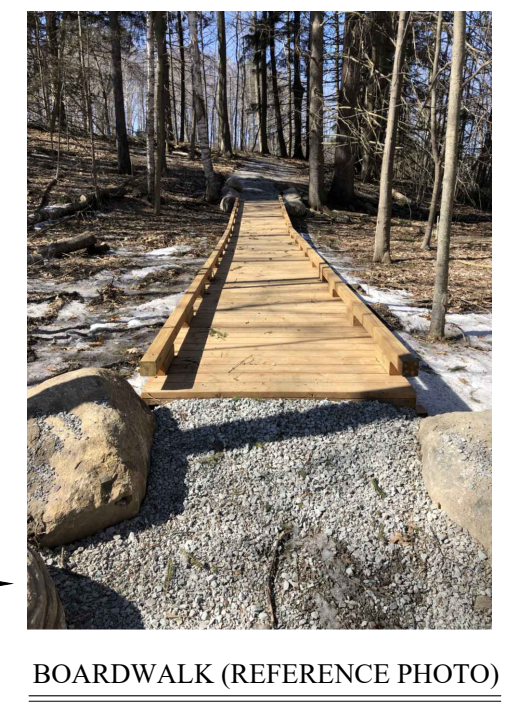


BRIDGE REFERENCE PHOTO

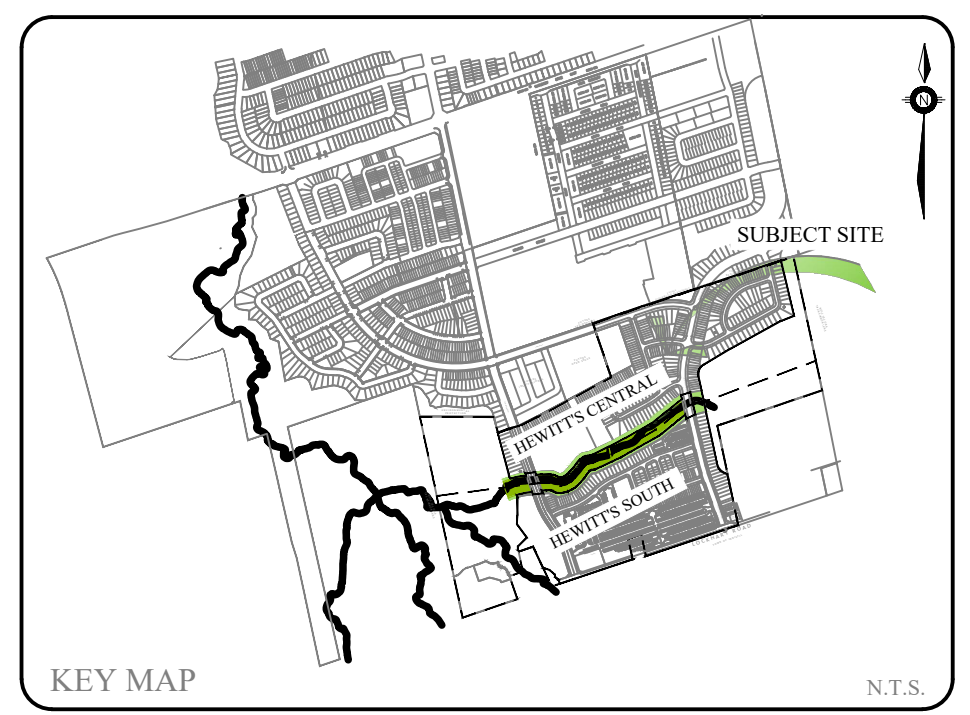
SHOP DRAWING SIGNED BY A STRUCTURAL ENGINEER TO BE PROVIDED BEFORE CONSTRUCTION FOR APPROVAL BY THE CITY OF BARRIE AND THE LANDSCAPE ARCHITECT.



GUARDRAIL CONNECTION REFERENCE PHOTO



BOARDWALK (REFERENCE PHOTO)



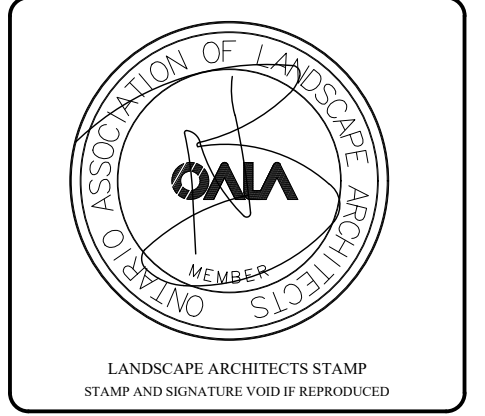
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**Hewitt's Central**  
 Draft Plan of Subdivision  
 PART 1, PLAN S1R - 39932,  
 PART 1, PLAN S1R - 39992,  
 PART 4, PLAN S1R - 39992  
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