

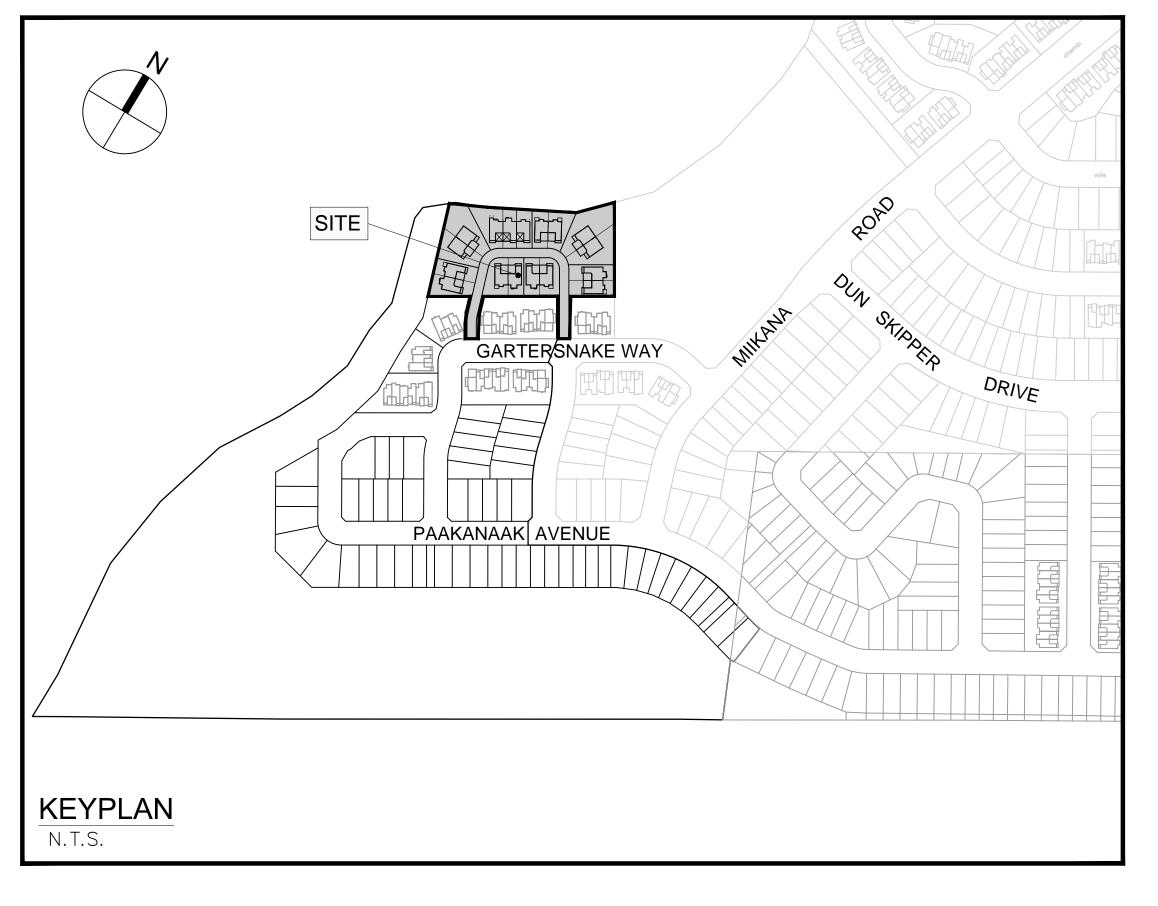
BLOCK 60



IBI GROUP

400 – 333 Preston Street

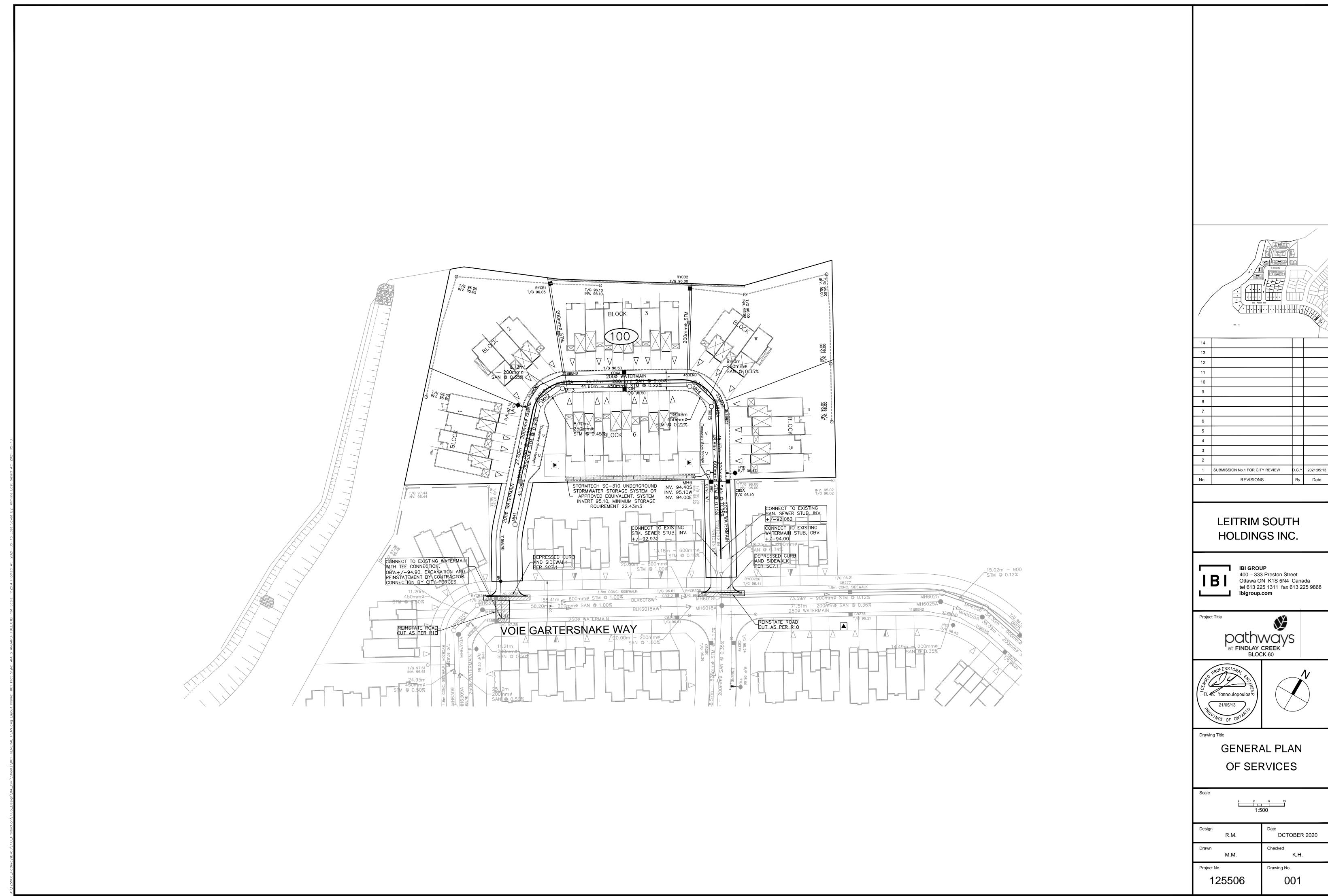
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 fax 613 225 9868
ibigroup.com



LEITRIM SOUTH HOLDINGS INC.

CITY OF OTTAWA
CONTRACT NO. 125506

Drawi	ing List Table
Drawing Number	Drawing Title
000	COVER
001	GENERAL PLAN
010	NOTES LEGEND CB DATA
011	CROSS SECTIONS & ROAD SECTION
100	Block 60
200	GRADING PLAN
400	SANITARY DRAINAGE
500	STORM DRAINAGE
600	PONDING PLAN
900	SEDIMENT & EROSION



UTILITY LEGEND

	TRANSFORMER
	TRANSFORMER C/W CONCRETE WINGS
HSG	HYDRO SWITCHGEAR
НМН	HYDRO MANHOLE
	BELL PEDESTAL
GLB	BELL GRADE LEVEL BOX (I=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m easement
FC	BELL FIBER CABINET (I=1200mm, w=750mm, d=500mm)
CSP	BELL CENTRAL SPLITTING POINTS (I=1175mm, w=1200mm, d=500mm)
	ROGERS PEDESTAL
\boxtimes	ROGERS VAULT (I=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement
P30 ←	STREET LIGHT
D	STREET LIGHT DISCONNECT
— II	STREET LIGHT GROUNDING
———H/B/T/G/S———	JOINT UTILITY TRENCH
———Н———	HYDRO CABLE AND DUCTS
В	BELL CABLE
BB	BELL DUCTS
т_	ROGERS CABLE
ТТ	ROGERS DUCTS
G	GAS
s	STREET LIGHT CABLE
	UTILITY DROP LOCATIONS
10-DUCTS 6-H 4-T	CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS
<u>CMB</u>	COMMUNITY MAILBOX
	PROPOSED TREE LOCATION
	ROOT MANAGEMENT BARRIER

SEDIMENT EROSION LEGEND

	HEAVY DUTY SILT FENCE
	SNOW FENCE
₩	STRAW BALE CHECK DAM
1000 1000 1000 2100 1000	STRAW BALE CHECK DAM WITH FILTER CLOTH
	ROCK CHECK DAM
	SEDIMENT SACK PLACED UNDER EXISTING CB COVER
	TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

GENERAL LEGEND

	LIMIT OF CONSTRUCTION
	PHASING LINE
	BARRIER CURB
	MOUNTABLE CURB
	DEPRESSED BARRIER CURB
	CONCRETE SIDEWALK
	- TACTILE WALKING SURFACE INDICATOR
	ASPHALT SIDEWALK / PATHWAY
BU\$	BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

MH118A	SANITARY MANHOLE
200mmø SAN	SANITARY SEWER
MH109	STORM MANHOLE
825mmø STM	STORM SEWER - LESS THAN 900Ø
900mmø STM	STORM SEWER - 900Ø AND GREATER
200¢ WATERMAIN	WATERMAIN
■ CB100 T/G 104.10	STREET CATCHBASIN C/W TOP OF GRATE
CICB101 G/G 104.25	CURB INLET CATCHBASIN C/W GUTTER GRADE
DCB100 T/G 104.10	DOUBLE CATCHBASIN C/W TOP OF GRATE
DCICB101 G/G 104.25	DITCH INLET CATCHBASIN C/W GUTTER GRADE
CBMH100 T/G 103.59	CATCHBASIN MANHOLE C/W TOP OF GRATE
CBMH101 T/G 103.59	DITCH INLET MANHOLE C/W TOP OF GRATE
RYCB T/G 104.35	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
- T /G 104.35 NV 103.35	REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
OT/G 104.50 OTNV 103.50	REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
T/G 104.35 INV 103.35	REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
T/G 104.35 NV 103.35	REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
700 1 000	PERFORATED REAR YARD SUBDRAIN
300mmø CSP	CSP CULVERT C/W DIAMETER
⊗ V&VB	VALVE AND VALVE BOX
⊗ V&VC	VALVE AND VALVE CHAMBER
◆ HYD ◆ 104.35	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
200¢ WM RED 150¢ WM	WATERMAIN REDUCER
2 VBENDS	VERTICAL BEND LOCATION
\triangleleft	SINGLE SERVICE LOCATION
\triangleleft	DOUBLE SERVICE LOCATION
BH 12 102.00	INFERRED BEDROCK (SEE GEOTECHNICAL REPORT)
HGL	100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
101.79 S/T HGL 101.79	STRESS TEST STORM HYDRAULIC GRADE LINE AT MANHOLE
101.79 L108 102.40	UNDERSIDE OF FOOTING ELEVATION (WITH LOT #)
102.70	CLAY SEAL IN SEWER / WATERMAIN TRENCH

GRADING LEGEND

 \longrightarrow \longrightarrow

	THOI OOLD SWALL O/WILLOW DIRECTION
0.5%	PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE
1.3%	SLOPE C/W FLOW DIRECTION
	MAJOR OVERLAND FLOW ROUTE
×104.62	PROPOSED SPOT GRADE
×104.40 (s)	PROPOSED SWALE GRADE
×104.50 (s)нР	PROPOSED SWALE HIGH POINT GRADE
104.60 103.59 ×	LOT CORNER GRADE C/W EXISTING GRADE
86.45 EX×	TIE INTO EXISTING GRADE
96.79	FULL STATIC PONDING GRADE
103.50	RETAINING WALL C/W TOP OF WALL AND GRASS GRADE
بليليليا	TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
●	PRESSURE REDUCING VALVE
F.FL. 96.32 T.FND. 95.96 U.S.F. 93.36 RISERS 0 M.U.S.F M.G.G.	FINISHED FLOOR ELEVATION TOP OF FOUNDATION ELEVATION UNDERSIDE OF FOOTING ELEVATION TOTAL NUMBER OF RISERS MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer obverts, or hydraulic grade line) MINIMUM GARAGE GRADE
WU	WALKUP UNIT
WO	WALKOUT UNIT
NS	NON-STANDARD FOUNDATION (Frost cover not provided for standard unit)
BS	BACKSPLIT UNIT (1.5m frost cover on footings)
—— <u>F</u>	NOISE FENCE LOCATION
	NOISE FENCE GATE

PROPOSED SWALE C/W FLOW DIRECTION

NOTES:

- 1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
- 3. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION PROPOSED RESIDENTIAL DEVELOPMENT REMER AND IDONE LANDS OTTAWA, ONTARIO REPORT # 20142688-1148, DATED JANUARY 2021, PREPARED BY GOLDER ASSOCIATES.
- 4. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY ANNIS O'SULLIVAN VOLLEBEKK LTD BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
- 5. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- 6. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- 7. REFER TO DRAWING 031 FOR ROADWAY CROSS SECTIONS.
- 8. SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT
- 9. STRAW BALE SEDIMENT TRAPS TO BE PLACED AND MAINTAINED IN EXISTING AND CONSTRUCTED ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED (IF APPLICABLE).
- 10. SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBs TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- 11. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- 12. ALL LEADS FOR STREET CB's AND CICB's CONNECTED TO MAIN SHALL BE AS PER THE CB DATA TABLE @ MIN 2% SLOPE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE
- 13. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.

200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.

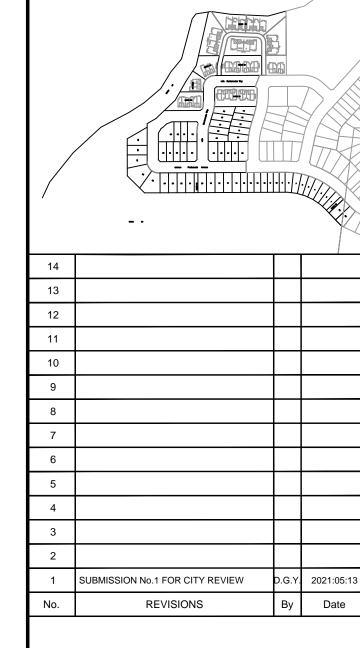
- 14. THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY IBI GROUP FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
- 15. THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANTS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSPO, CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY
- 16. ALL UTILITY BOXES (I.E. PEDESTALS, TRANSFORMERS, ETS) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S "GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD RIGHT OF WAY".
- 17. ANY WATERMAIN WITH LESS THAN 2.4M COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
- 18. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER OBC REQUIREMENTS.
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.

ROADWAY STRUCTURE:

LOCAL ROAD :(615mm)

400mm - OPSS GRANULAR "B" TYPE II

40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE - SUPERPAVE 19.0 ASPHALTIC CONCRETE 150mm - OPSS GRANULAR "A" CRUSHED STONE



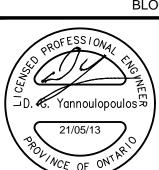
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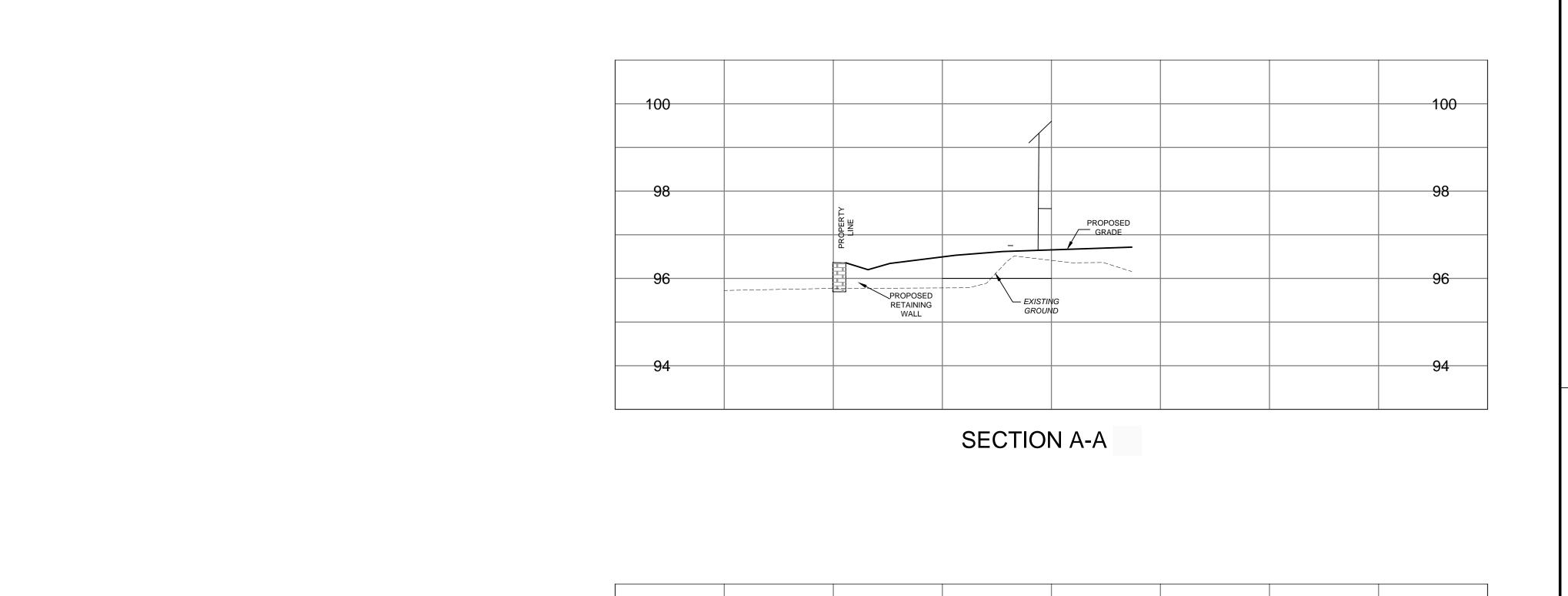


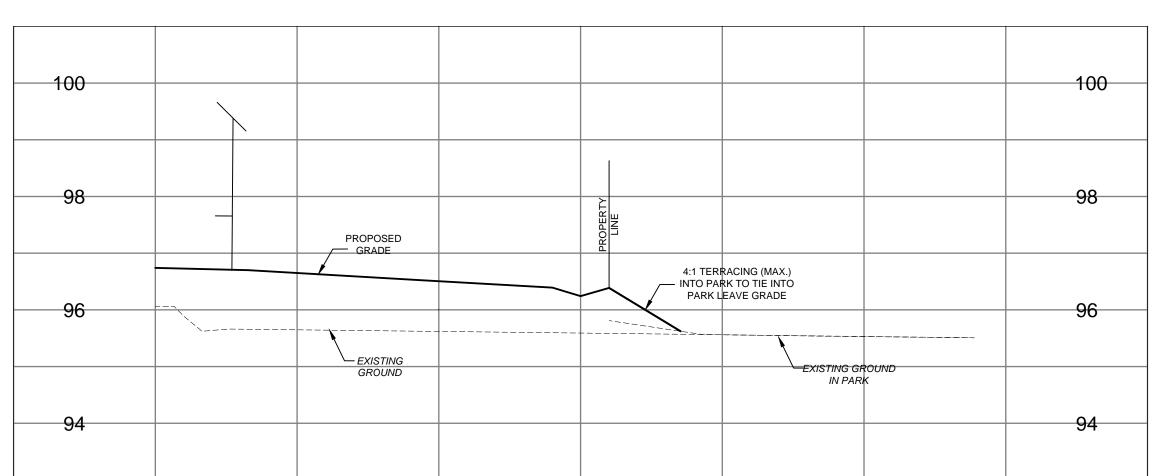


NOTES LEGEND CB DATA

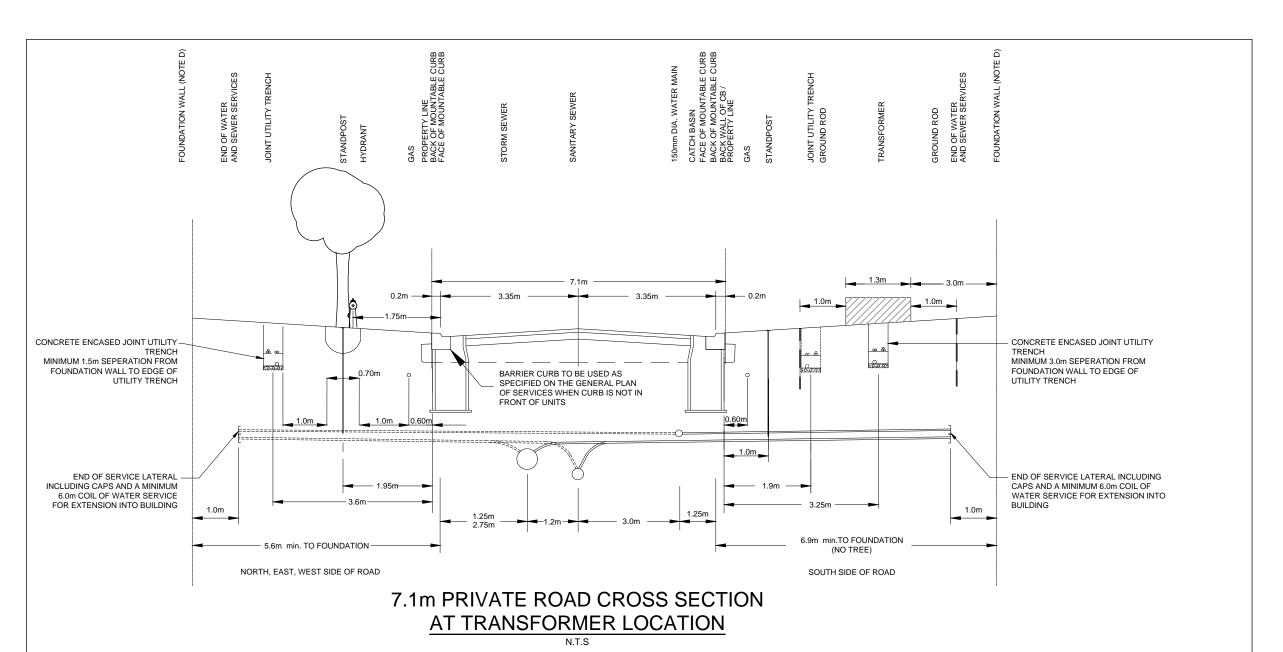
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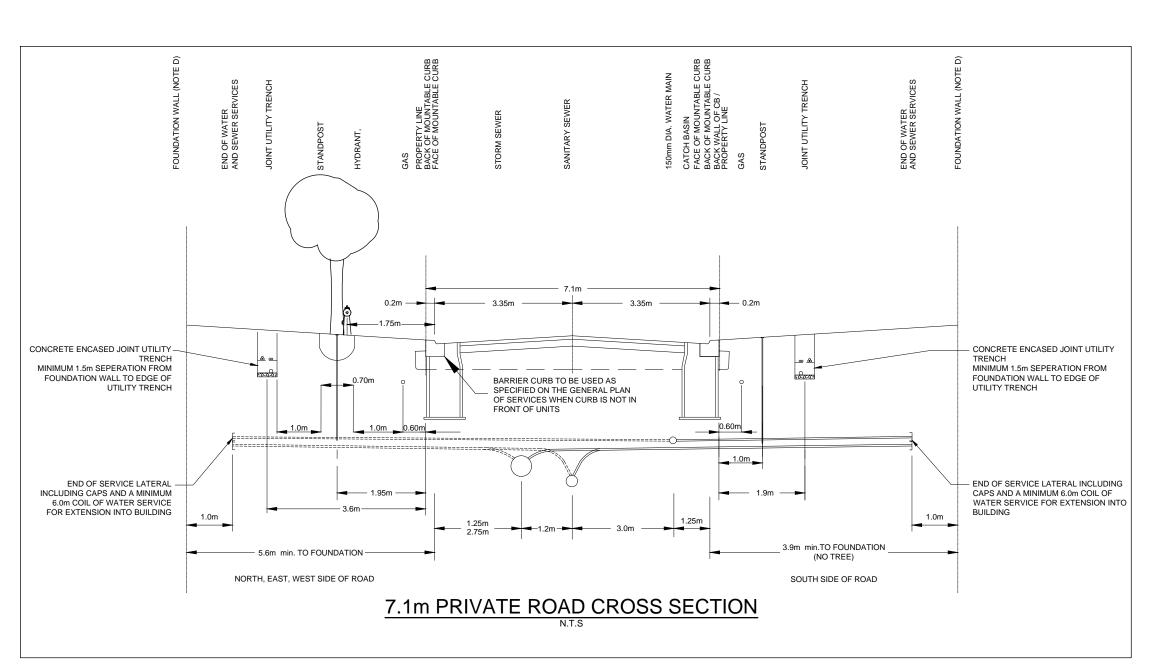
		Г	CAI	CHBASIN					LI DAI	٦		_	
STRUCTURE ID I	STORM AREAID	I STRUCTURE			ELEVATION		OUTLET PIPE			INLET CONTROL DEVICE			
			FRAME & COVER	TOP OF GRATE	INVERT		DIAMETER			RESTRICTED FLOW		COMMENTS	
					INLET	OUTLET	(mm)	ТҮРЕ	/PE 100yr HEAD	(I/s)	ICD TYPE	COMMENTS	
CB4	S3	OPSD 705.010	S19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF		
CB4A	S3	OPSD 705.010	S19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF		
CB5	S5	OPSD 705.010	S19	96.10		94.70	200	PVC DR35				Controlled @ MH6	
CB5A	S5	OPSD 705.010	S19	96.10		94.70	200	PVC DR35				Controlled @ MH6	
RYCB1	R3	OPSD 705.010	S19	96.05		94.40	200	PVC DR35	1.550	35.00	IPEX HF		
RYCB2	R4	OPSD 705.010	S19	96.00		94.33	200	PVC DR35	1.570	35.00	IPEX HF		
мн6	S 5	OPSD 701.010	S24 &S25	96.13	94.50E 95.10W 94.50S	94.00E	200	PVC DR35	2.300	25.00	IPEX MHF		
										185.00			

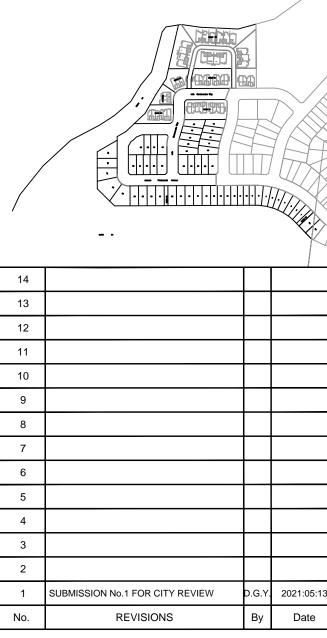




SECTION B-B



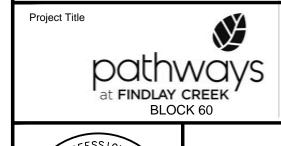


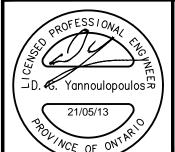


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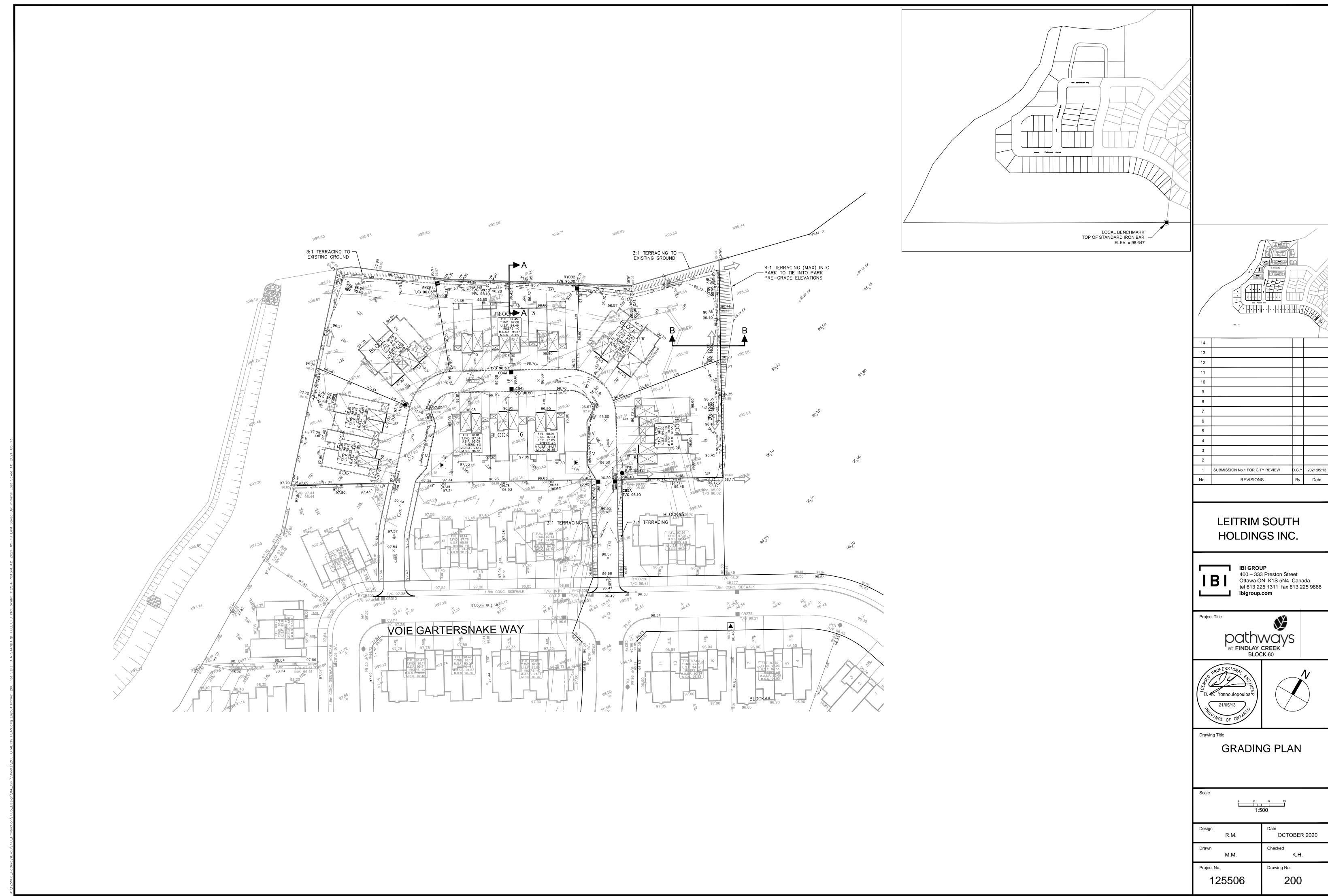


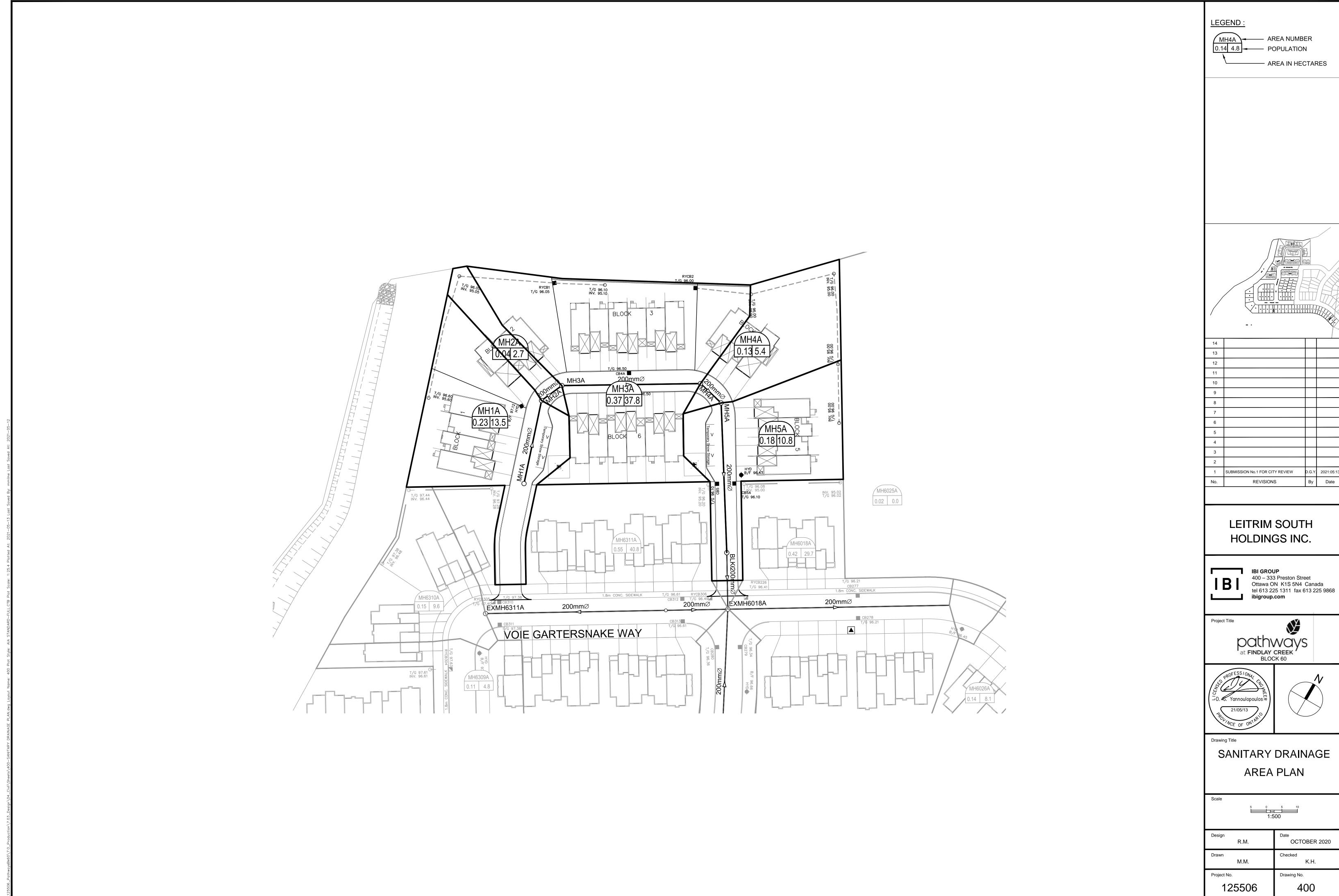


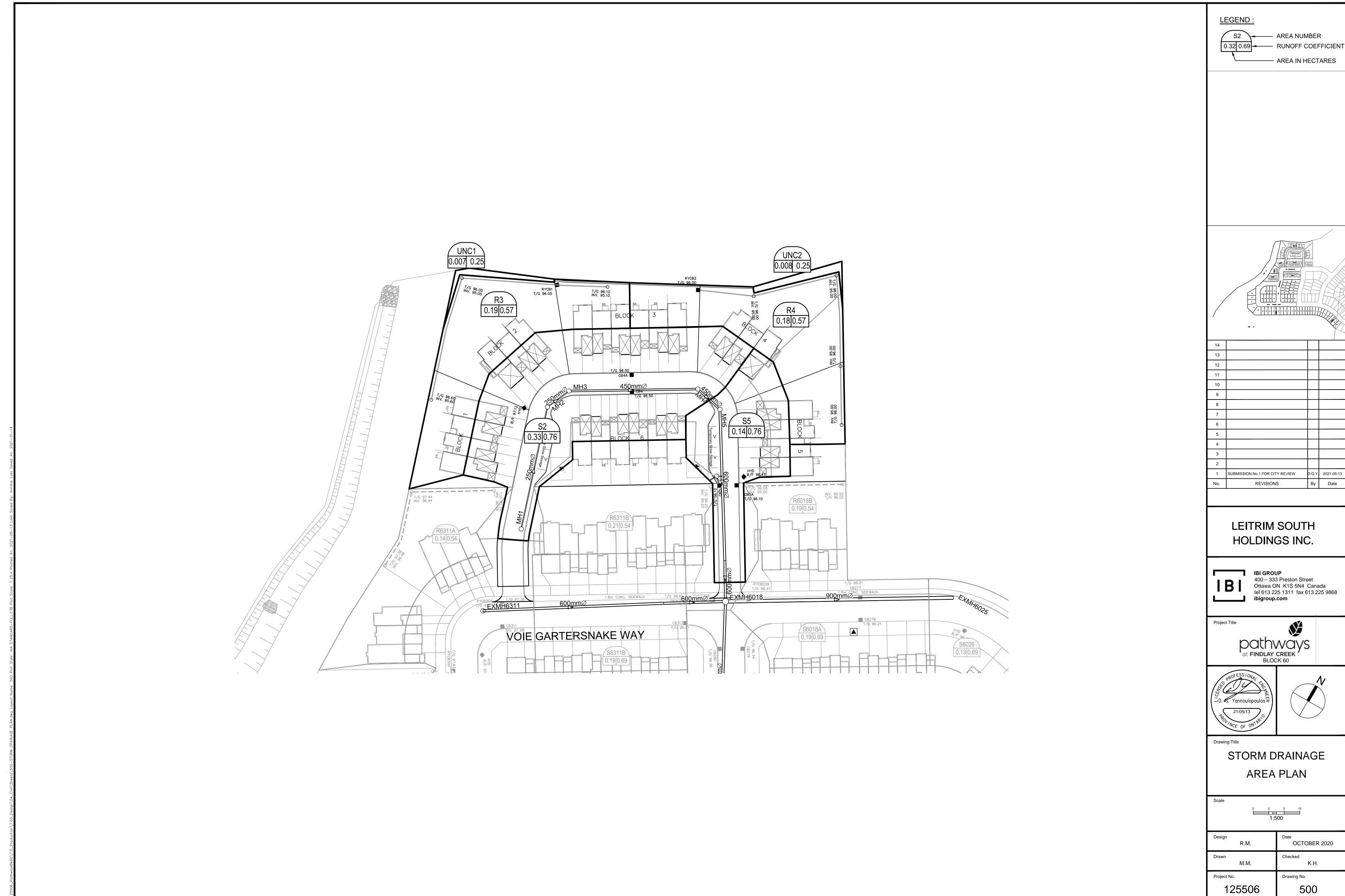
CROSS SECTIONS & ROAD SECTION

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Design R.M.	Date OCTOBER 2020	\ \ - -
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