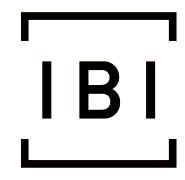


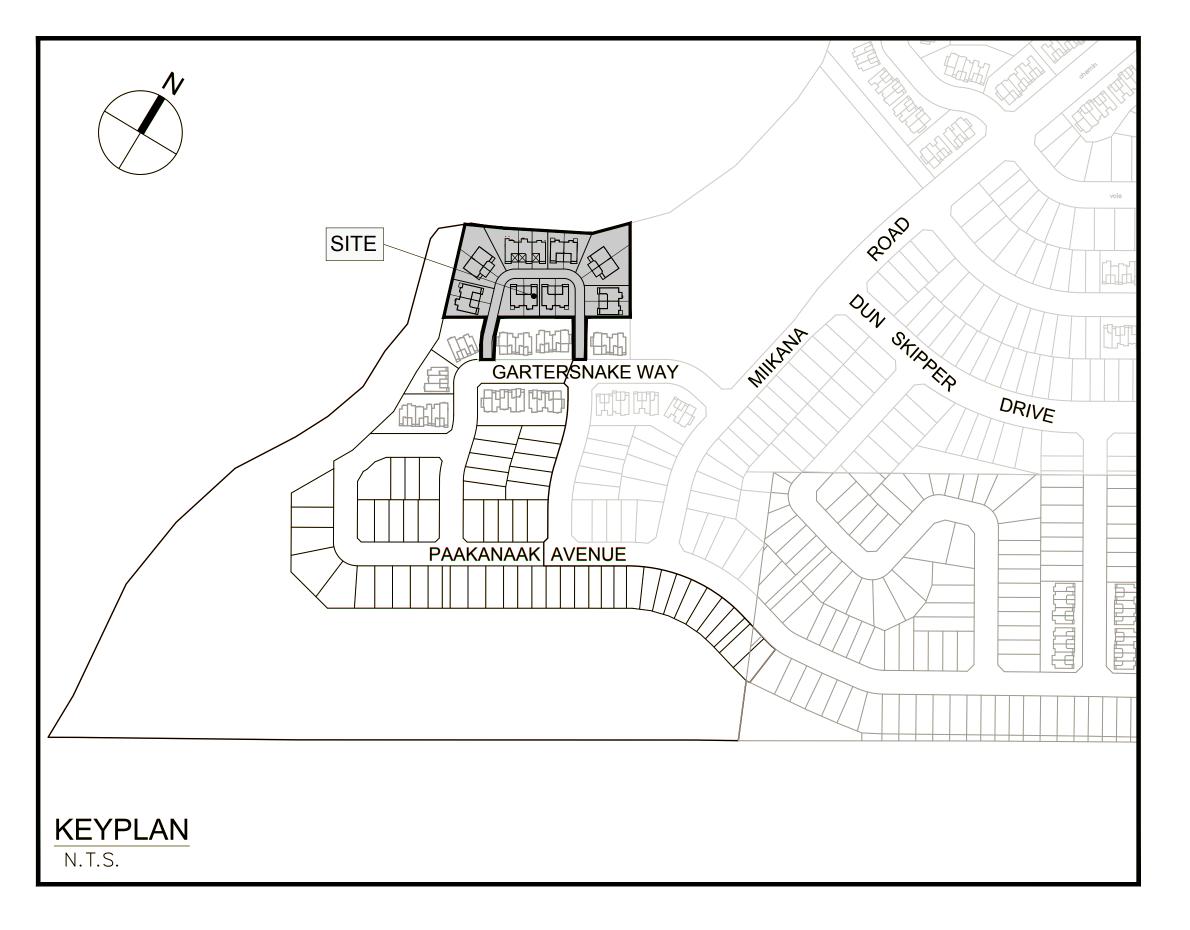
BLOCK 60



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LEITRIM SOUTH HOLDINGS INC.

CITY OF OTTAWA
CONTRACT NO. 125506

Drawing	List Table Drawing Title
Drawing Number Shee	t List Table Drawing Title
Drawing Number Sheet Number	COV € heet Title
001 000	GENERAL PERMER
001	
010 010	GENERAL PLAN NOTES LEGEND CB DATA NOTES LEGEND CB DATA
⁰¹¹ 011	CROSS SECTIONS & ROAD SECTION
100 ₁₀₀	Block 60Block 60
200 200	GRADINGRADANG PLAN
400 400	SANITARANITARYABRAINAGE
500 500	STORM DRAINAGE STORM DRAINAGE
600	PONDING PLAN
600 900	PONDING PLAN SEDIMENT & EROSION
900	SEDIMENT & EROSION



TRANSFORMER C/W CONCRETE WINGS HYDRO SWITCHGEAR HYDRO MANHOLE BELL PEDESTAL

BELL GRADE LEVEL BOX (I=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m easement BELL FIBER CABINET (I=1200mm, w=750mm, d=500mm)

BELL CENTRAL SPLITTING POINTS (I=1175mm, w=1200mm, d=500mm) ROGERS PEDESTAL

ROGERS VAULT (I=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement

 \boxtimes P30 ← STREET LIGHT D STREET LIGHT DISCONNECT STREET LIGHT GROUNDING —||h ———H/B/T/G/S——— JOINT UTILITY TRENCH HYDRO CABLE AND DUCTS

> T ROGERS CABLE —TT——— ROGERS DUCTS -G---- GAS —S——— STREET LIGHT CABLE

BELL CABLE

BELL DUCTS

<u>10-DUCTS</u> 6-H CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS COMMUNITY MAILBOX PROPOSED TREE LOCATION ROOT MANAGEMENT BARRIER

UTILITY DROP LOCATIONS

SEDIMENT EROSION LEGEND

HEAVY DUTY SILT FENCE

SNOW FENCE STRAW BALE CHECK DAM 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 BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

MH118A SANITARY MANHOLE SANITARY SEWER MH118 STORM MANHOLE 825mmø STM ___ STORM SEWER - LESS THAN 900Ø STORM SEWER - 900Ø AND GREATER 200ø WATERMAIN ____ WATERMAIN T/G 104.10 STREET CATCHBASIN C/W TOP OF GRATE G/G 104.25 CURB INLET CATCHBASIN C/W GUTTER GRADE T/G 104.10 DOUBLE CATCHBASIN C/W TOP OF GRATE DITCH INLET CATCHBASIN C/W GUTTER GRADE CATCHBASIN MANHOLE C/W TOP OF GRATE DITCH INLET MANHOLE C/W TOP OF GRATE REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE —⊖T/G 104.35 INV 103.35 REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT PERFORATED REAR YARD SUBDRAIN 300mmø CSP CSP CULVERT C/W DIAMETER ⊗ V&VB VALVE AND VALVE BOX VALVE AND VALVE CHAMBER FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION 200¢ WM RED 150¢ WM WATERMAIN REDUCER 2 VBENDS VERTICAL BEND LOCATION SINGLE SERVICE LOCATION DOUBLE SERVICE LOCATION INFERRED BEDROCK (SEE GEOTECHNICAL REPORT) 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE STRESS TEST STORM HYDRAULIC GRADE LINE AT MANHOLE UNDERSIDE OF FOOTING ELEVATION (WITH LOT #) CLAY SEAL IN SEWER / WATERMAIN TRENCH

GRADING LEGEND

\rightarrow \rightarrow \rightarrow	PROPOSED SWALE C/W FLOW 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)HP	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
G	
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> </u>	NOISE FENCE LOCATION
	NOISE FENCE GATE

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 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- 13. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- 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

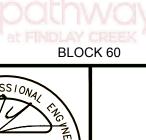
EVISED PER CITY COMMENTS UED FOR TENDER REVISED PER CITY COMMENTS SUBMISSION No.1 FOR CITY REVIEW

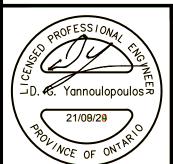
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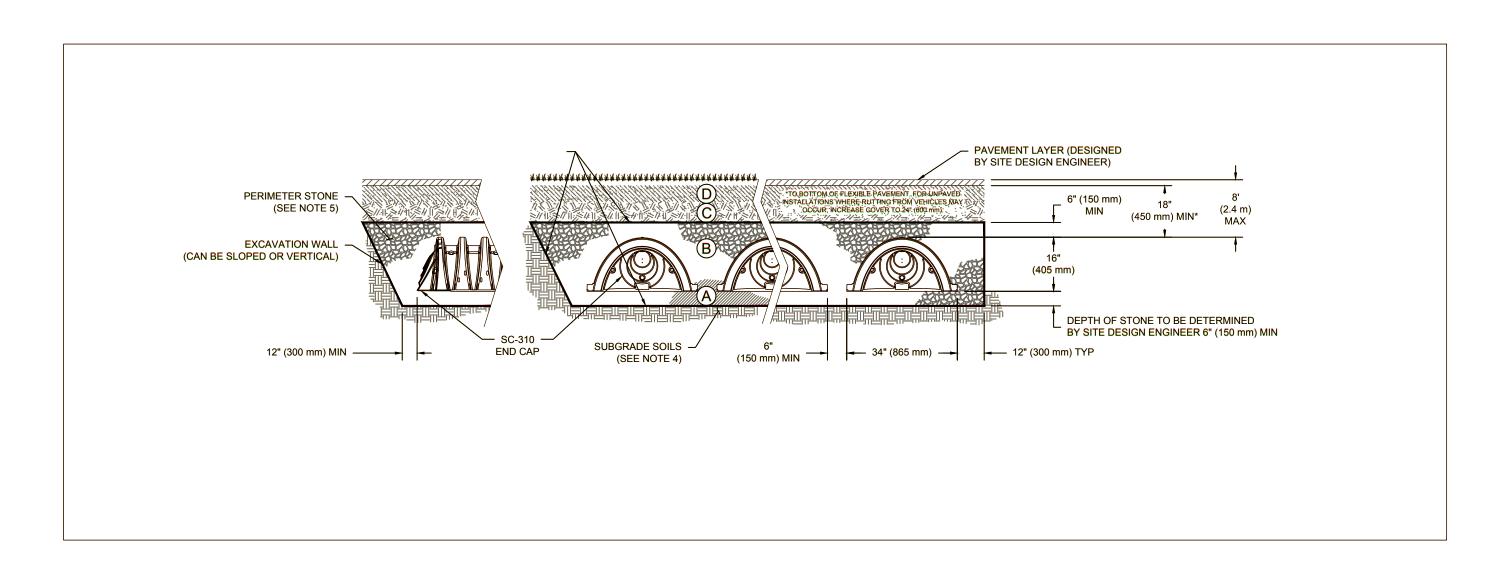
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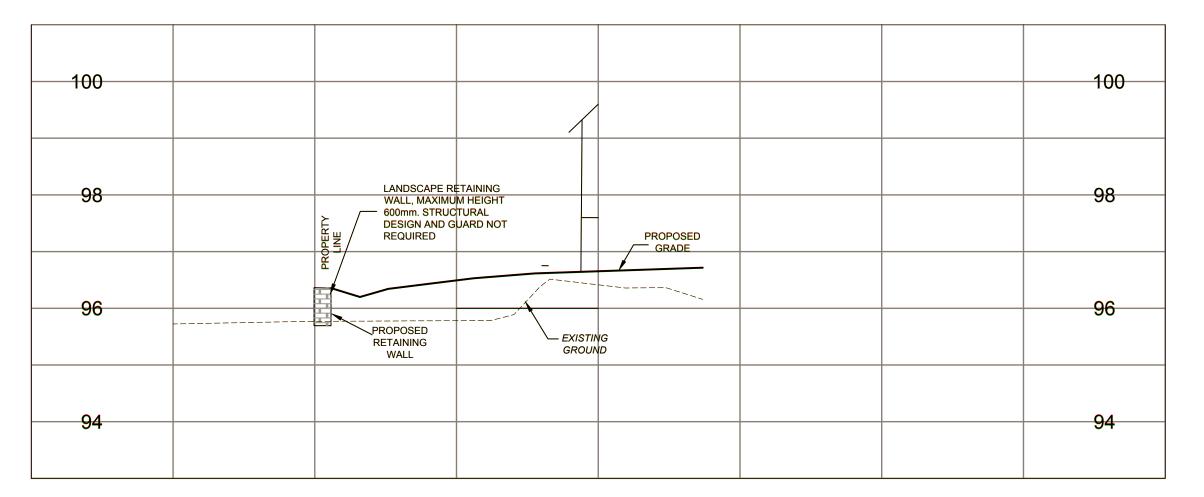
R.M. OCTOBER 2020 M.M. K.H. Drawing No. 125506

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

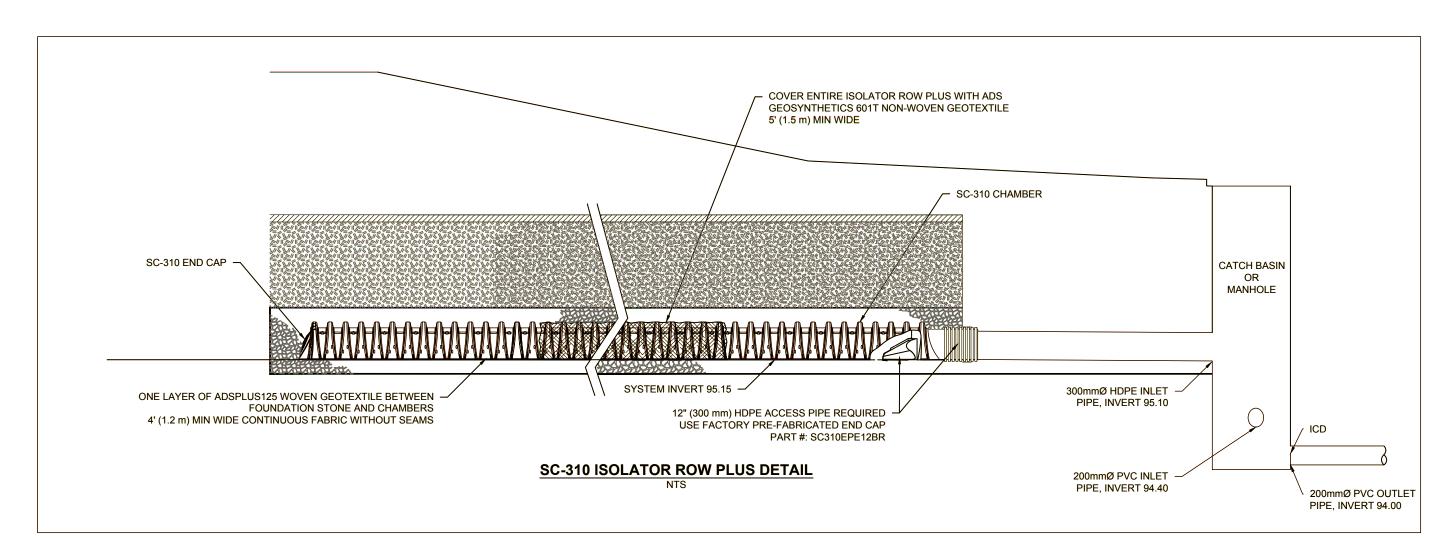
	STORM AREAID	STRUCTURE	FRAME & COVER	ELEVATION			OUTLET PIPE		INLET CONTROL DEVICE				ı
STRUCTURE ID				TOP OF GRATE	INVERT		DIAMETER			RESTRICTED FLOW		COMMENTS	
					INLET	OUTLET	(mm)	TYPE	ТҮРЕ	ТҮРЕ	100yr HEAD	(1/s)	ICD TYPE
CB4	S3	OPSD 705.010	S19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF		
CB4A	S3	OPSD 705.010	S19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF		
CB5	S 5	OPSD 705.010	S19	96.10	94.65	94.60	200	PVC DR35				Controlled @ MH6	_
CB5A	S 5	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		_
RYCB3		OPSD 705.010	S19	96.00	94.90	94.85	250	HDPE					
мн6	S 5	OPSD 701.010	S24 &S25	96.13	94.50E 95.10W 94.50S	94.00E	200	PVC DR35	2.300	24.00	IPEX MHF	c/w solid cover	
										184.00			

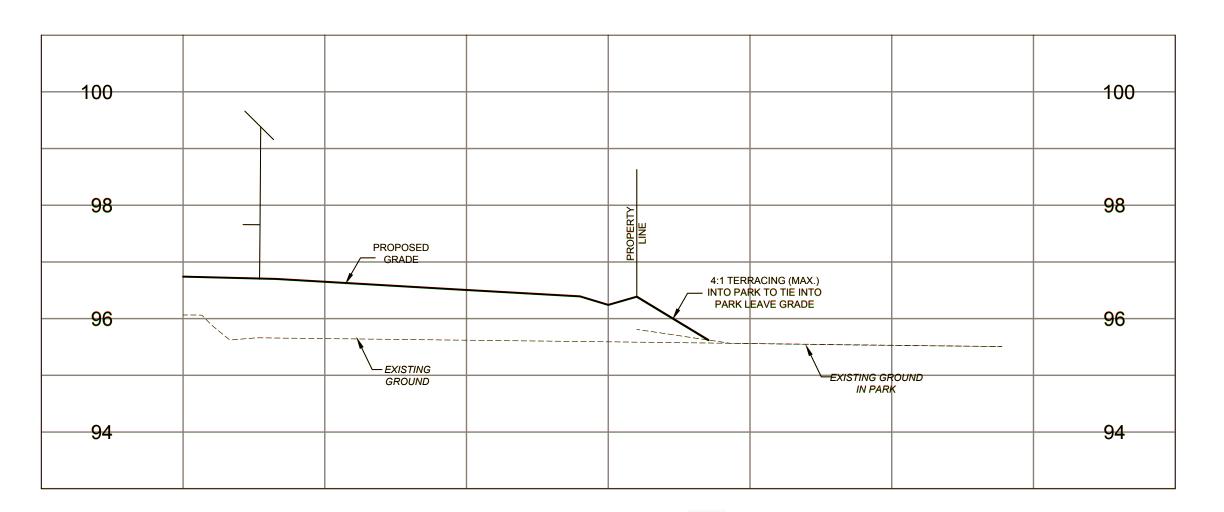
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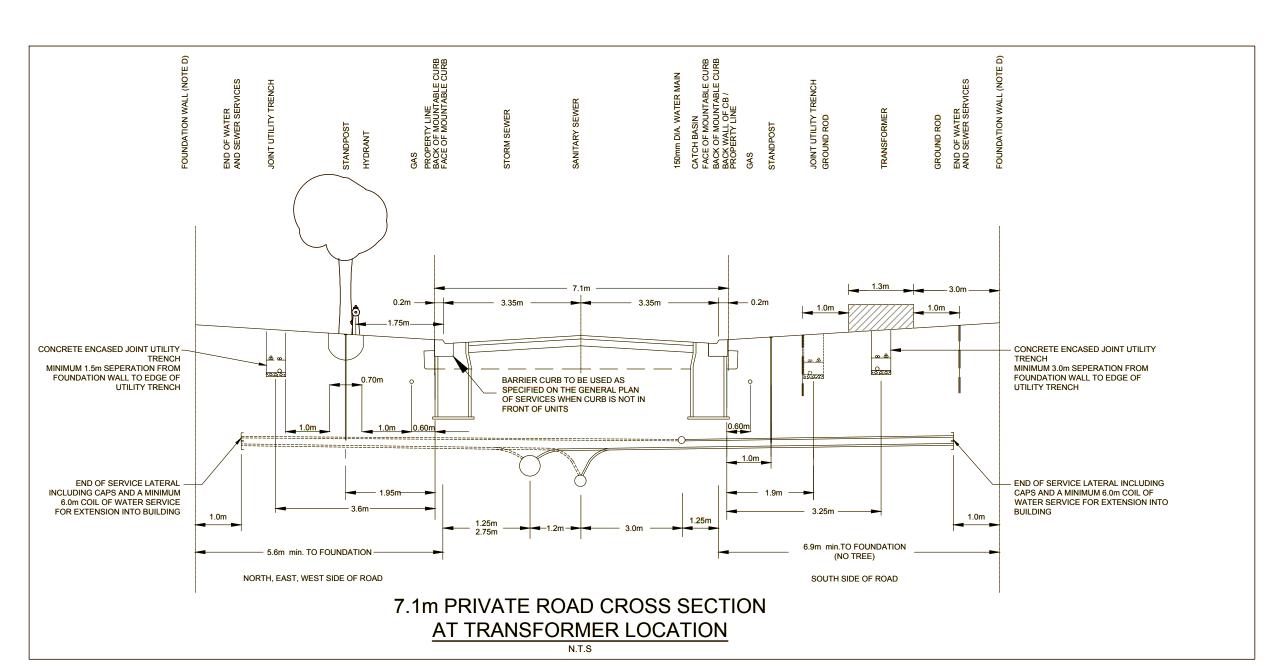


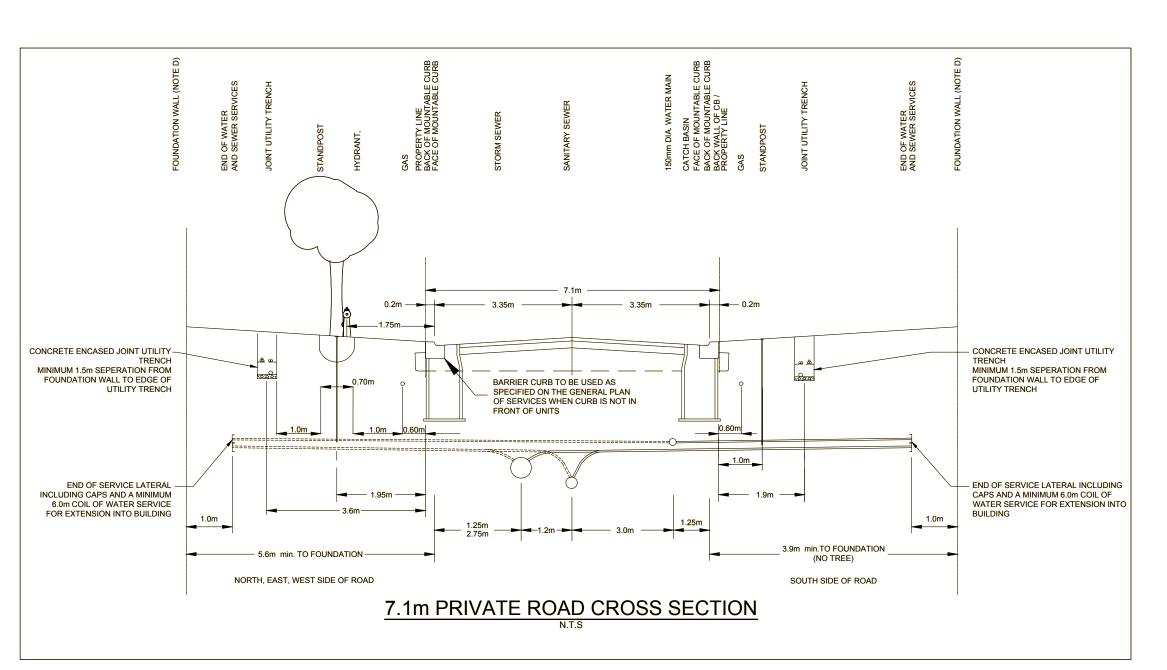
SECTION A-A

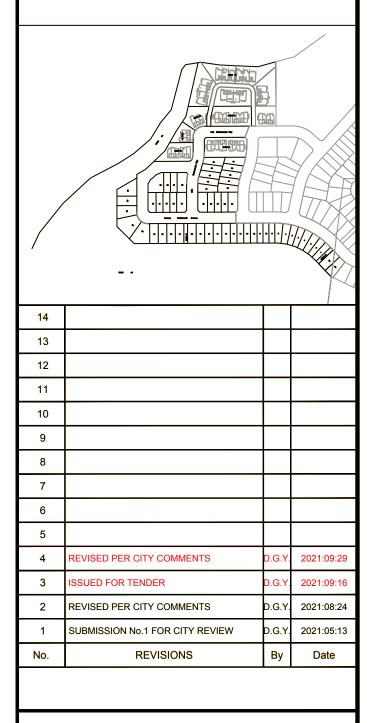




SECTION B-B







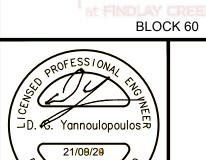
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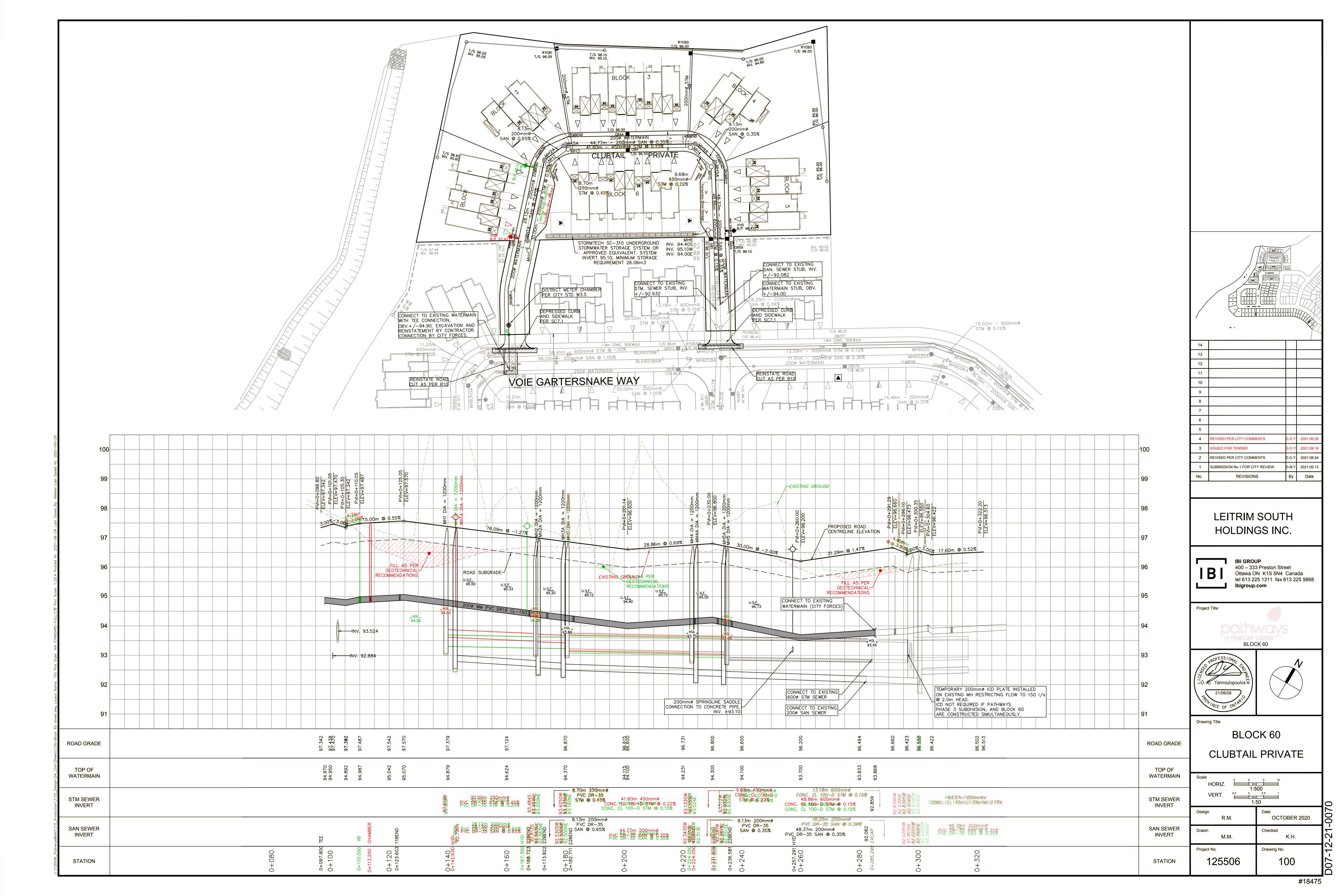
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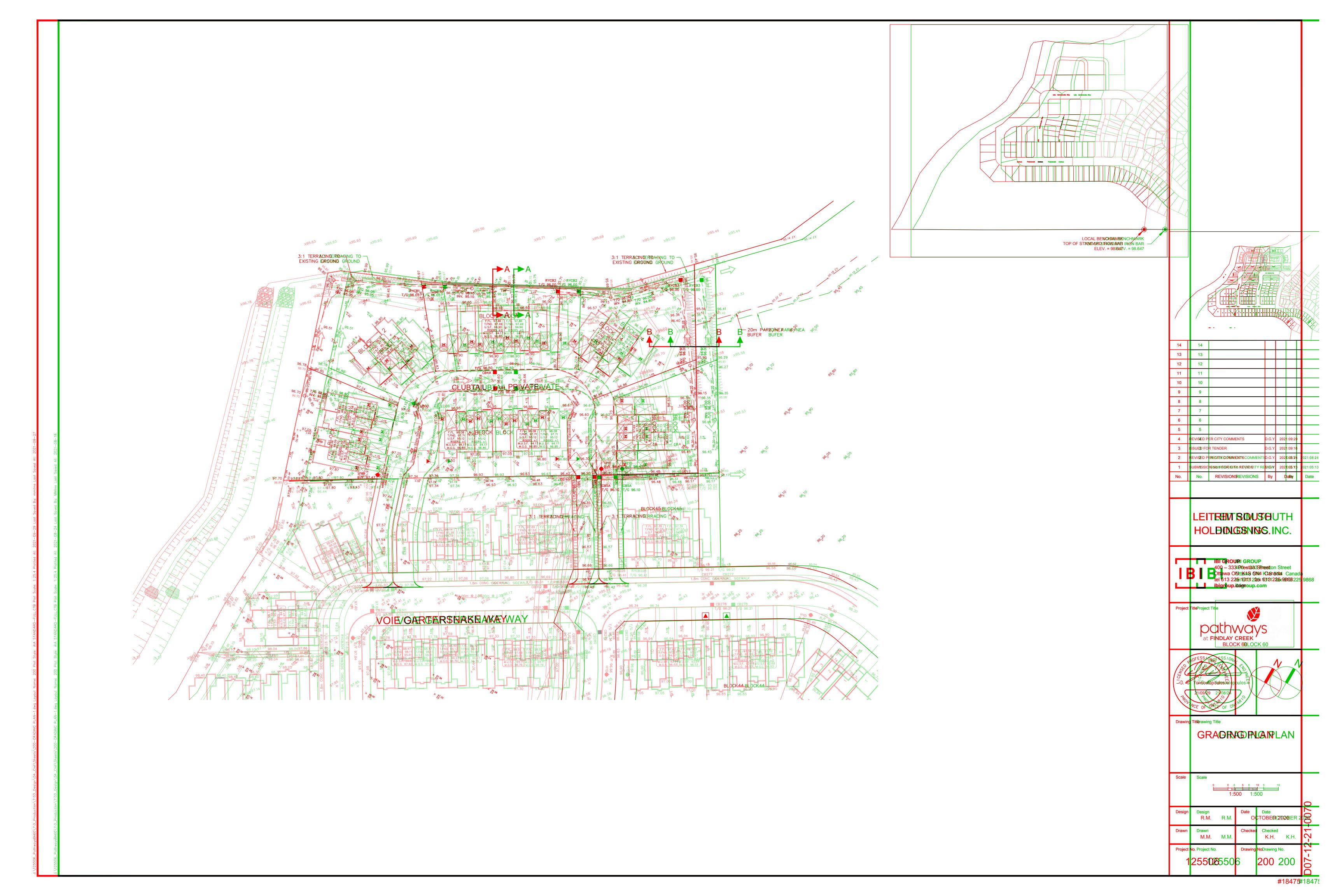
CROSS SECTIONS &

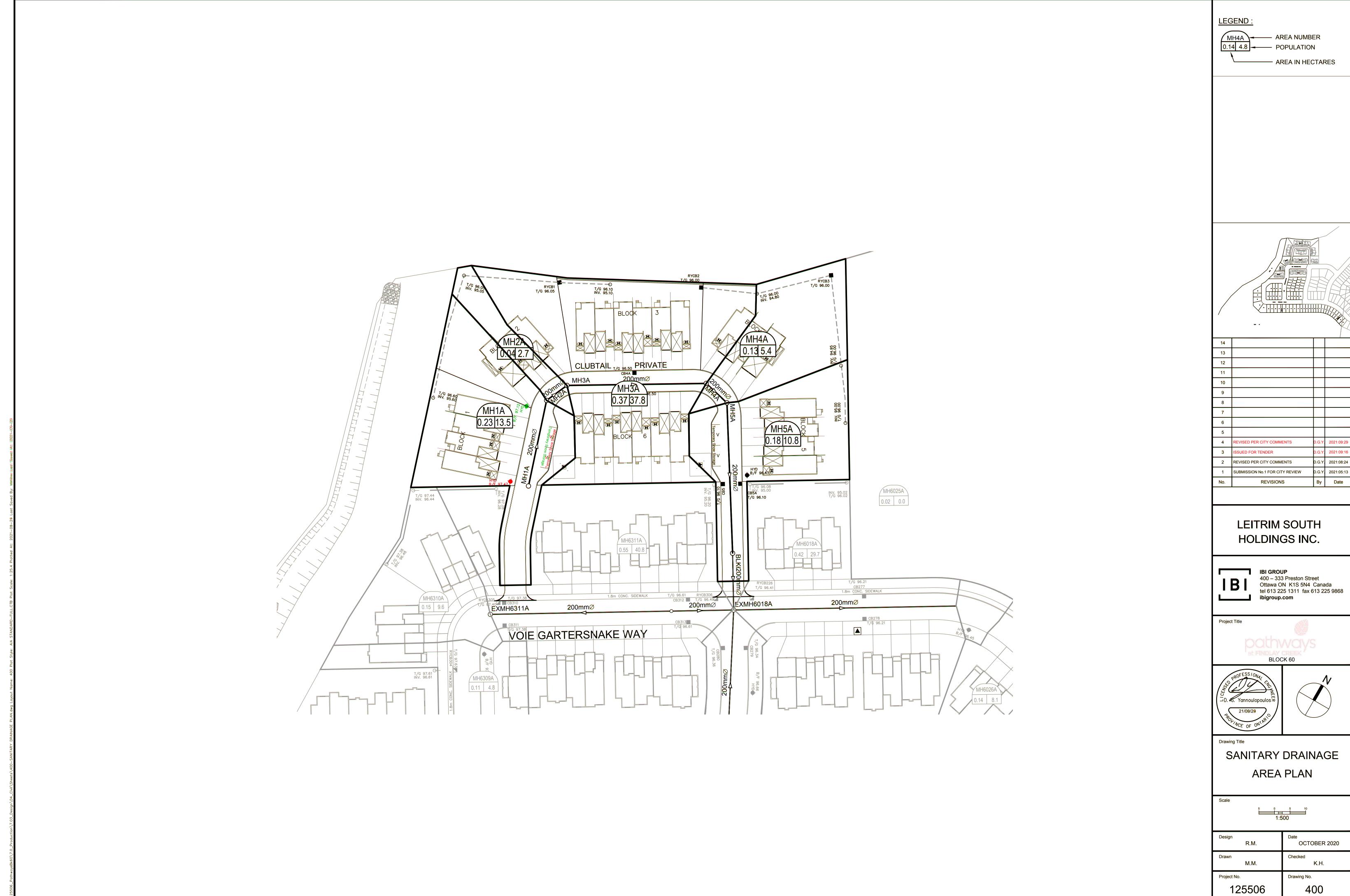
ROAD SECTION

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Design R.M.	Date OCTOBER 2020	700
Drawn M.M.	Checked K.H.	0.7
Project No.	Drawing No.	$\frac{2}{C}$
125506	011	707







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