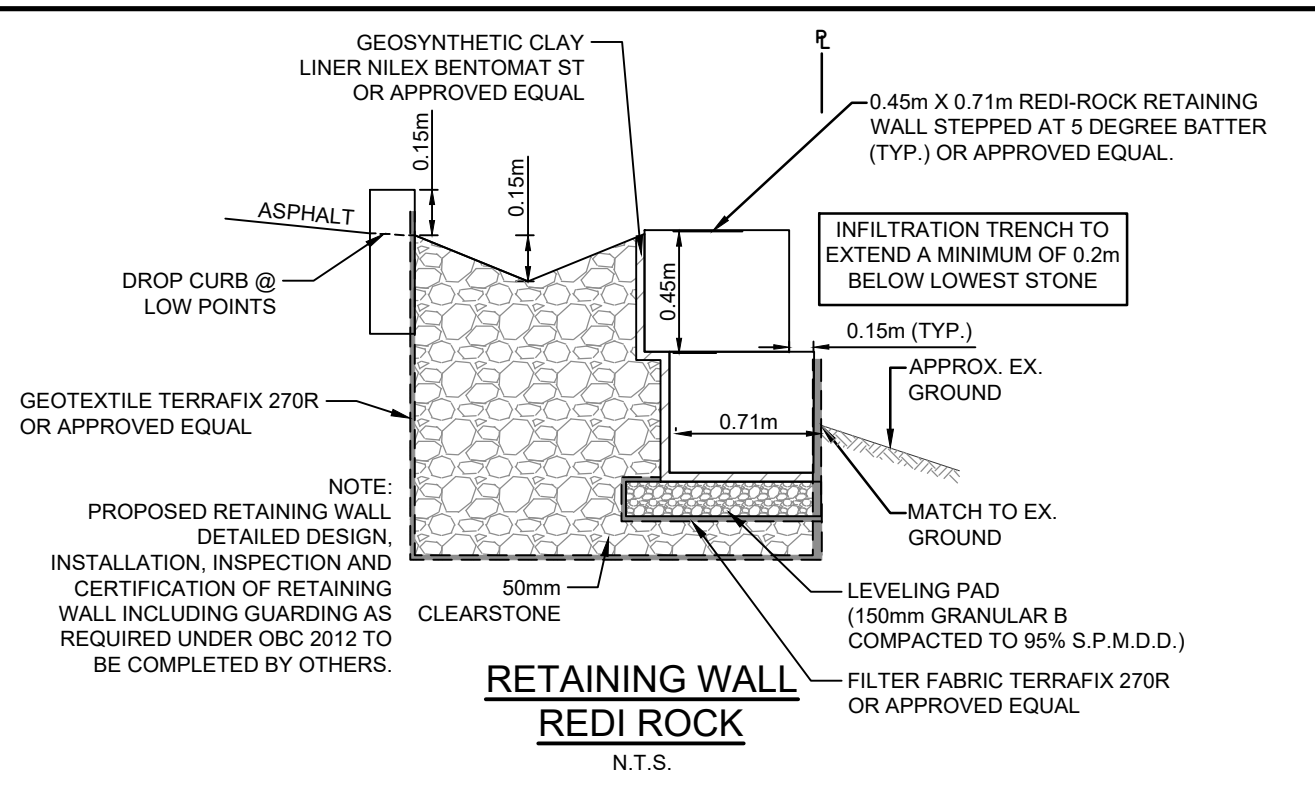


LEGEND	
	PROPERTY LINE
	EX. SANITARY SEWER
	EX. STORM SEWER
	EX. WATERMAIN
	EX. DITCH
	EX. BELL LINE
	EX. GAS LINE
	EX. FENCE LINE
	EX. CONTOURS
	EX. CATCH BASIN
	EX. FIRE HYDRANT
	EX. LIGHT STANDARD
	HEDGE
	CONIFEROUS/DECIDUOUS TREES
	EXISTING GRADE
	PROPOSED GRADE
	PROP. SANITARY SEWER
	PROP. STORM SEWER
	PROP. CATCH BASIN
	PROP. SWALE
	ARMOUR STONE RETAINING WALL
	100 YEAR DESIGN STORM EVENT PONDING LIMIT
	ROOF LEADER
	ORD

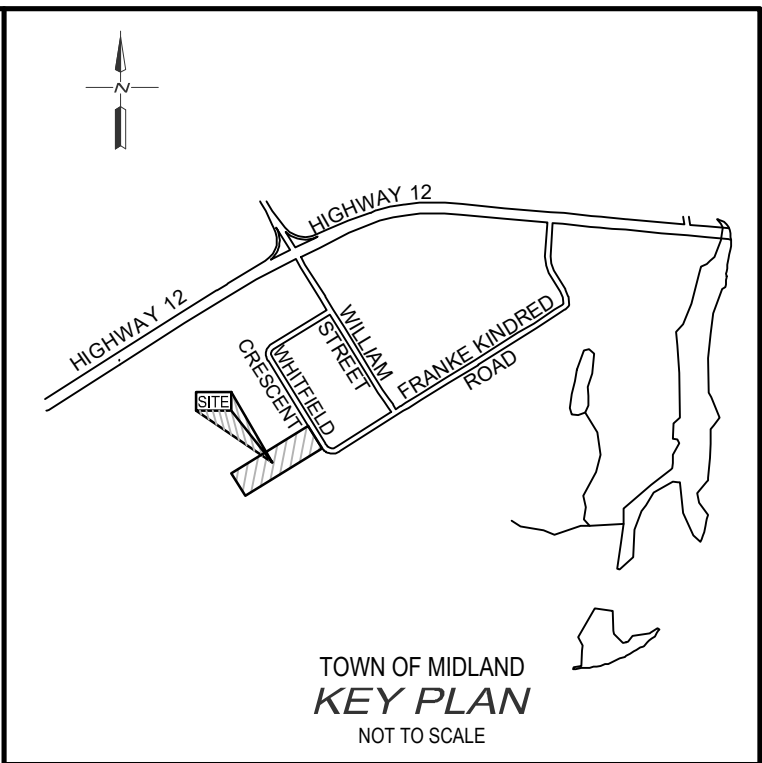
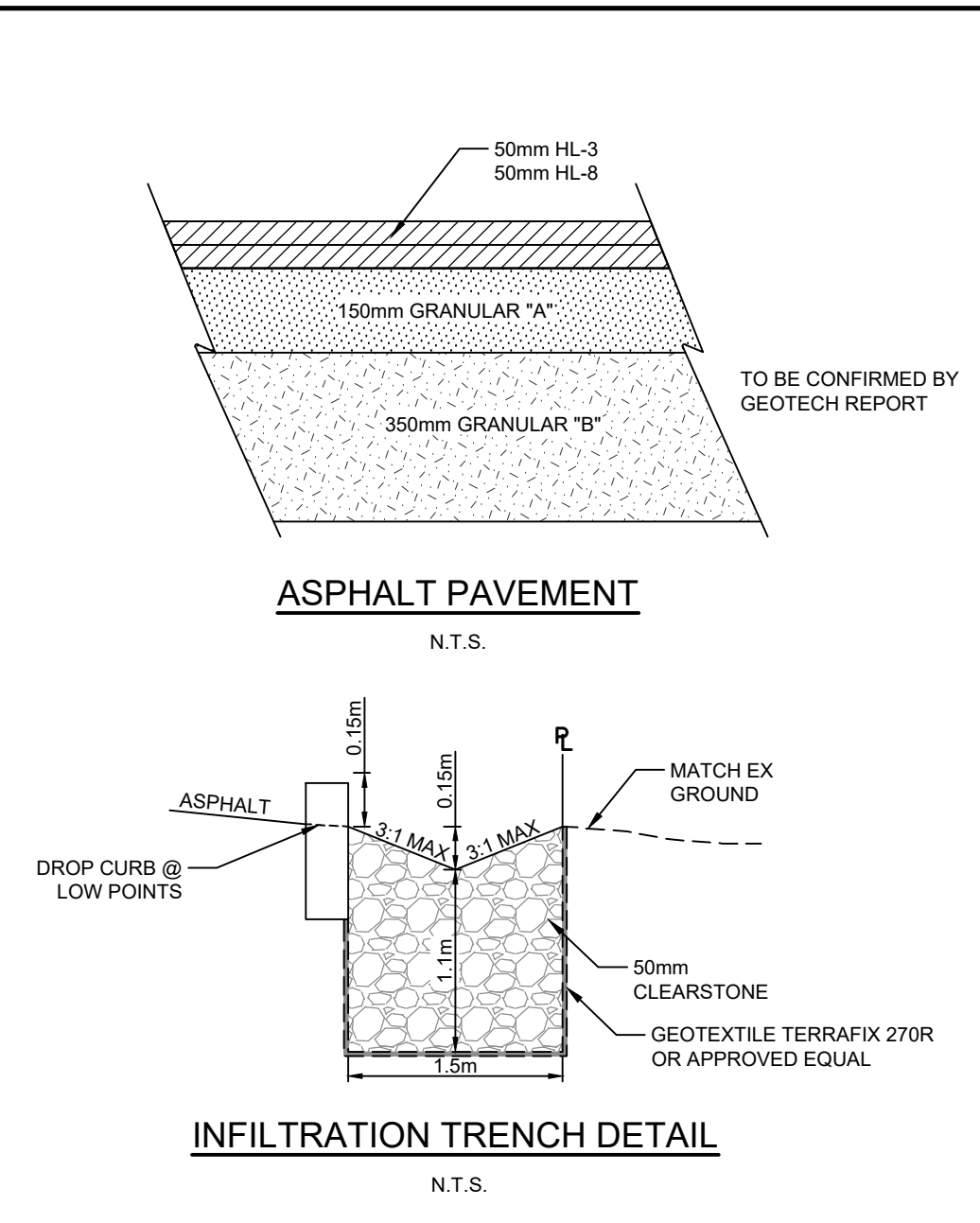
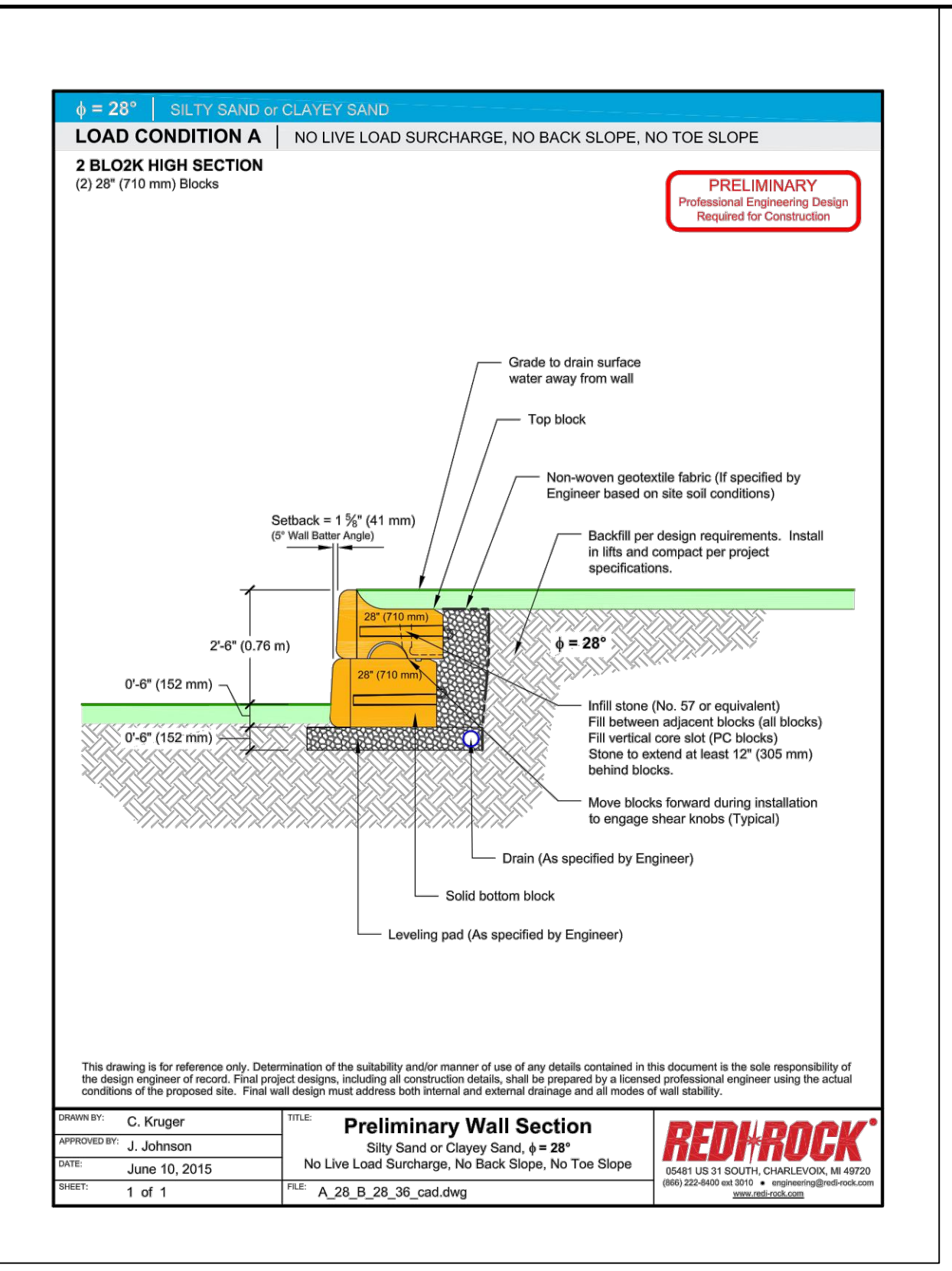


SERVICING NOTES - SANITARY

- SANITARY SEWERS SHALL BE PVC SDR 26 RUBBER GASKET TYPE JOINTS AND SHALL CONFORM TO CSA B-182.2.3. SANITARY SERVICES ARE TO BE INSTALLED AND TESTED IN ACCORDANCE WITH TOWN OF MIDLAND AND ONTARIO PROVINCIAL STANDARDS. ALL MATERIALS TO BE IN CONFORMANCE WITH ONTARIO PROVINCIAL STANDARDS SPECIFICATIONS.
- SERVICING NOTES - WATERMAIN**
- WATERMAIN TO BE PVC (CLASS 150), COLOUR CODED BLUE, OR DUCTILE IRON (CLASS 52) WITH A MINIMUM COVER OF 1.7m.
 - METALLIC WARNING TAPE SHALL BE USED OVER ALL WATERMAIN.
 - MECHANICAL JOINT DUCTILE IRON FITTINGS SHALL BE USED ON DUCTILE IRON WATERMAIN.
 - MECHANICAL JOINT FITTINGS OR PVC PUSH-ON FITTINGS MEETING AWWA SPECIFICATION C-907 AND CSA B137.2 SHALL BE USED WHERE APPLICABLE. SHOULD DUCTILE IRON MECHANICAL JOINT FITTINGS BE EMPLOYED, THE CONTRACTOR SHALL INSTALL SACRIFICIAL CAPS ON EVERY BOLT. PVC JOINTS USING MECHANICAL JOINT FITTINGS ARE TO BE SQUARE CUT.
 - WATER SERVICE INSTALLATION AND PRESSURE TESTING TO BE COMPLETED IN ACCORDANCE WITH TOWN OF MIDLAND DESIGN STANDARDS.
 - HYDRANT SHALL BE A CANADA VALVE CENTURY/PREMIERE MODEL, MEETING THE REQUIREMENTS OF AWWA C502.
 - VALVES SHALL BE MULLER RESILIENT SEAT, MEETING AWWA C509.

SERVICING NOTES - STORM

- CULVERT SHALL BE 450mm DIA. CSP, 2mm THICK



- NOTES :
- ALL EXISTING FEATURES INCLUDING LOT FABRIC DERIVED FROM EPLETT WOROBEC RAIKES SURVEYING LTD. DRAWING "184035_PS_T.DWG" RECEIVED JANUARY 27, 2020.
 - SITE PLAN FROM RICK BROWN AND ASSOCIATES INC. RECEIVED APRIL 21, 2022.

BENCH MARKS :

BM#1	TOP OF SSIB (1328)	ELEV=183.64
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THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.



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4.	06/21/22	REVISED PER UPDATED SITE PLAN	S.J.P.
3.	04/27/21	REVISED PER TOWN COMMENTS	S.J.P.
2.	12/11/20	REVISED PER TOWN COMMENTS	S.J.P.
1.	06/04/20	ISSUED FOR APPROVAL	S.J.P.

BluePlan
ENGINEERING

GUELPH | OWEN SOUND | LISTOWEL | KITCHENER | LONDON | HAMILTON | GTA
330 TRILLIUM DRIVE, UNIT D, KITCHENER, ON N2E 3J2
TEL 519-748-1440 www.gblueplan.ca

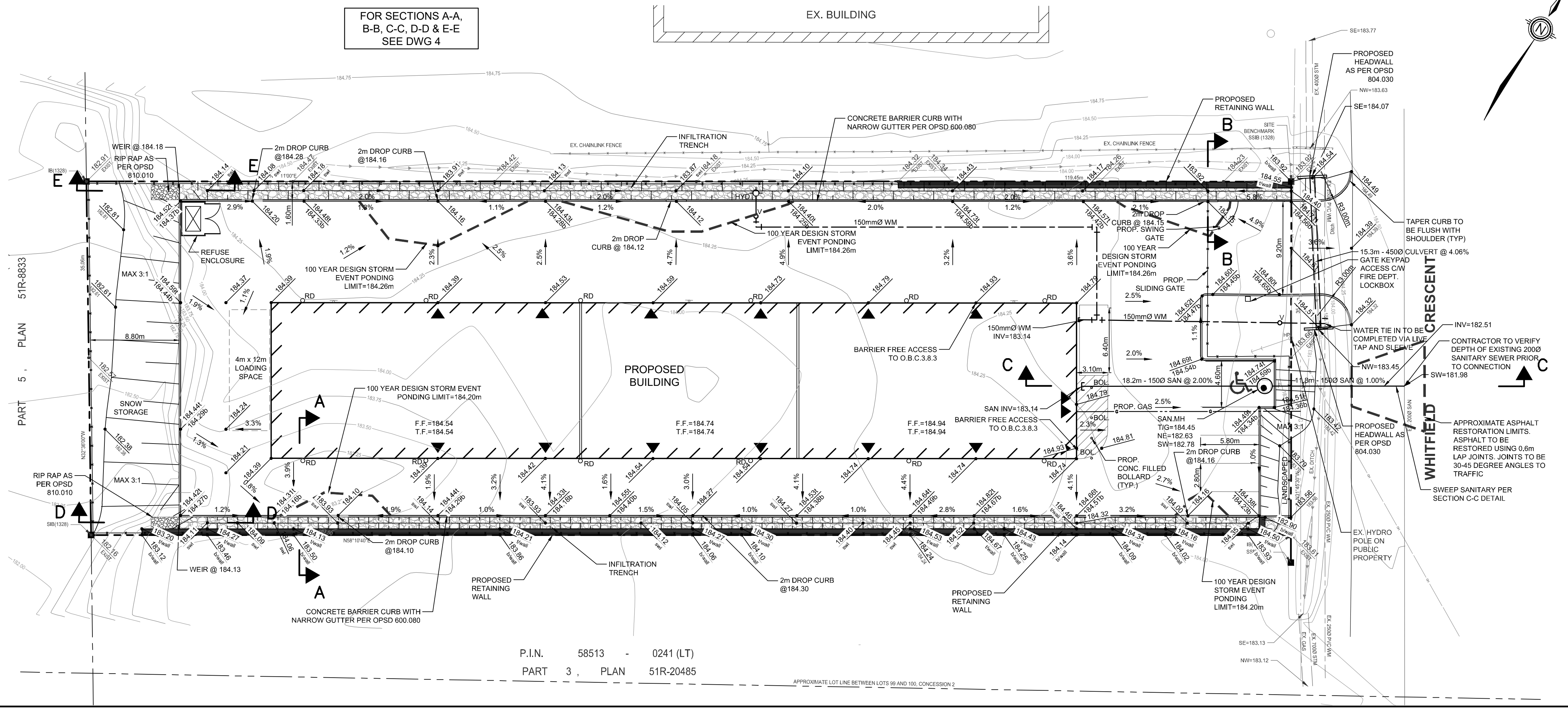
249 WHITFIELD CRESCENT

ASL PROPERTIES LTD

TOWN OF MIDLAND

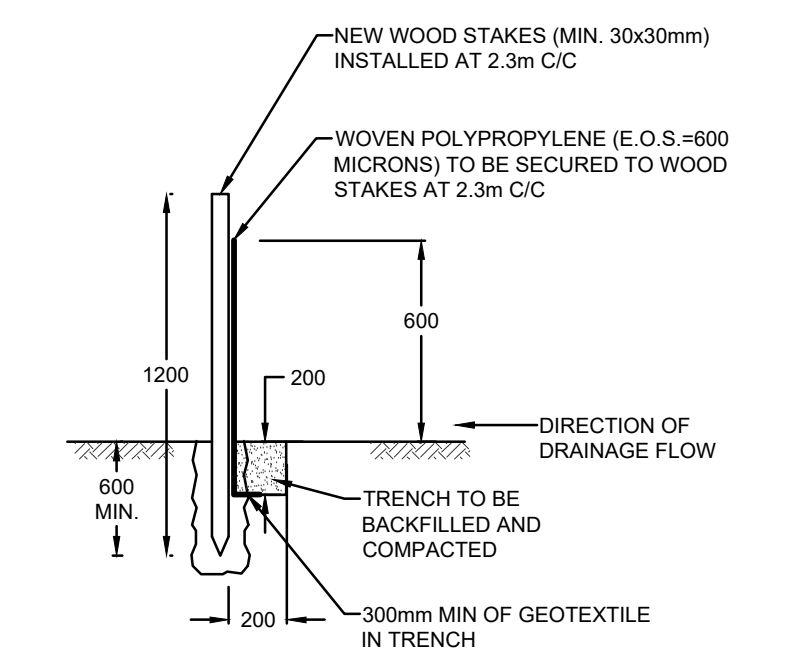
SITE GRADING AND SERVICING PLAN

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
M.T.	S.J.P.	419169	2
DESIGNED BY:	DATE:	SCALE:	
S.J.P.	JUNE 2020	1:250	



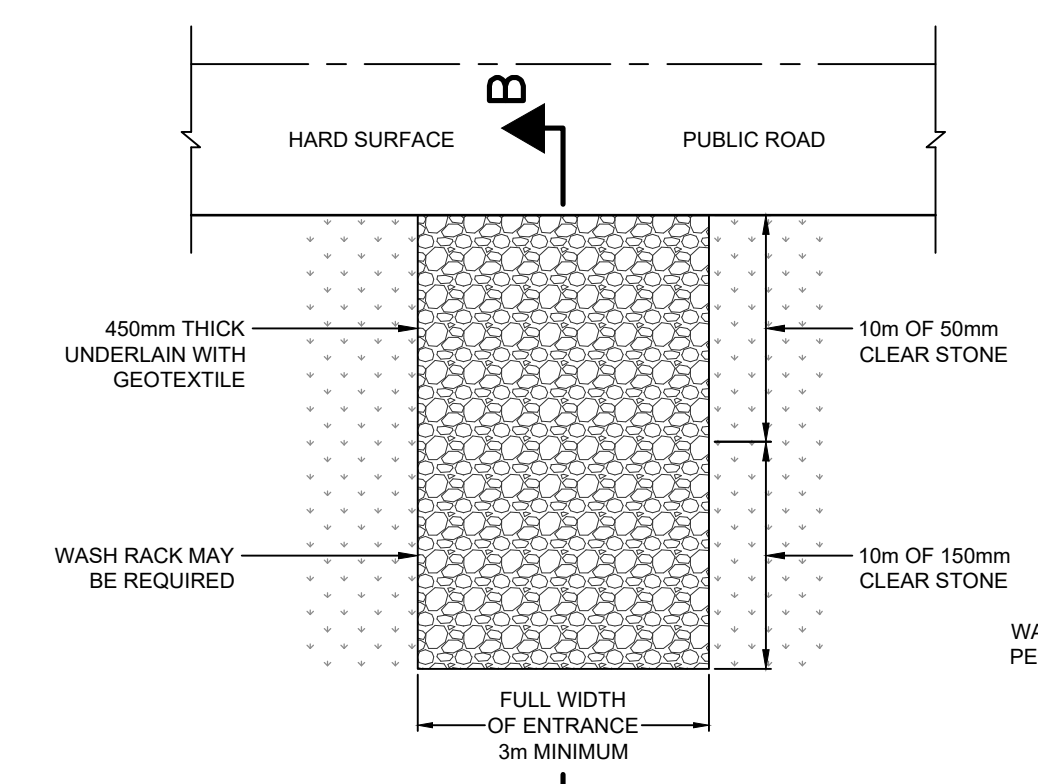
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LEGEND	
	PROPERTY LINE
	EX. SANITARY SEWER
	EX. STORM SEWER
	EX. WATERMAIN
	EX. DITCH
	EX. BELL LINE
	EX. GAS LINE
	EX. FENCE LINE
	EX. CONTOURS
	EX. CATCH BASIN
	EX. FIRE HYDRANT
	EX. LIGHT STANDARD
	HEDGE
	CONIFEROUS/DECIDUOUS TREES
	EXISTING GRADE
	LIGHT DUTY SILT FENCE

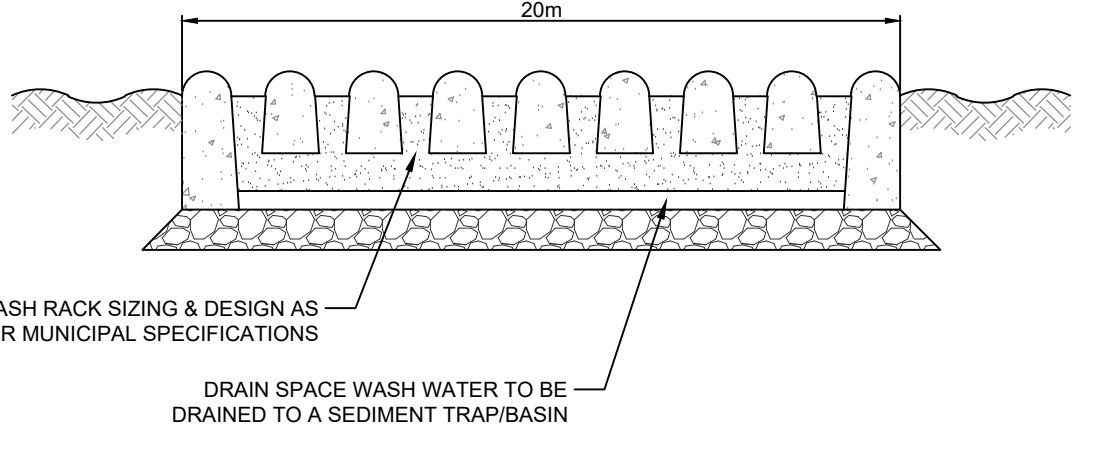


- NOTES:
1. TO BE READ IN CONJUNCTION WITH OPSD 219.110.
 2. SEDIMENT FENCE TO REMAIN IN PLACE UNTIL FINAL LANDSCAPING IS READY FOR THE LOT.
 3. CLEAR STONE BOTH SIDES AT OVERFLOW LOCATION.

**SEDIMENT FENCE
LIGHT DUTY**
N.T.S.



TYPICAL MUD TRACKING PAD - PLAN VIEW
N.T.S.

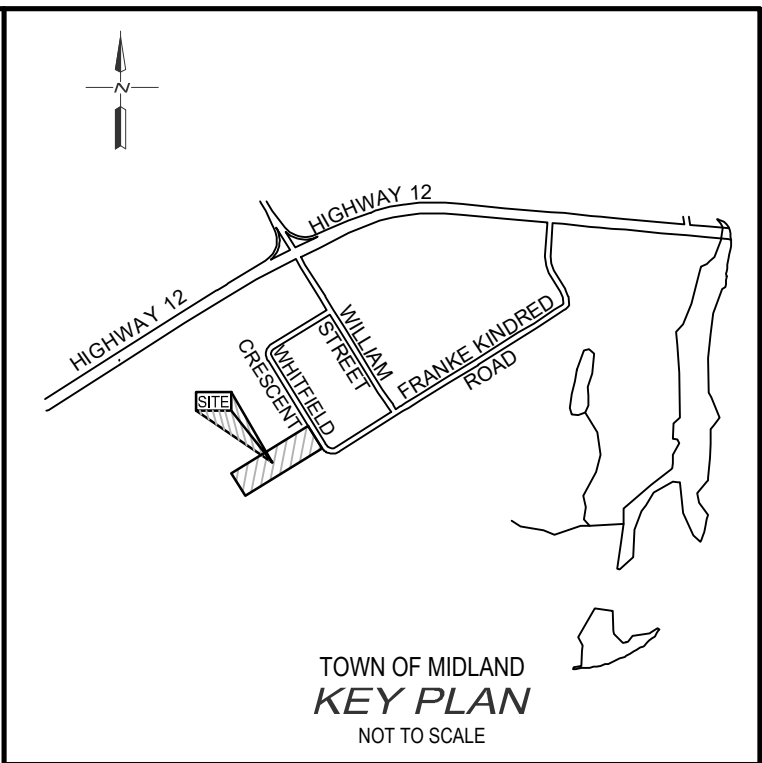


**TYPICAL MUD TRACKING PAD
SECTION B-B**
N.T.S.

NOTE:
THE CONTRACTOR SHALL INSPECT MUD TRACKING PAD WEEKLY AS WELL AS AFTER ANY RAINFALL EVENT GREATER THAN 13mm. SHOULD THE MUD TRACKING PAD NOT BE FUNCTIONING AS DESIGNED, THE CONTRACTOR SHALL REPLACE THE CLEAR STONE IMMEDIATELY. LOCATION AND WIDTH OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER.

SEDIMENT AND EROSION CONTROL NOTES

1. SITE WORKS ARE TO BE STAGED IN SUCH A MANNER THAT EROSION WILL BE MINIMIZED AND THAT BARRIERS AND SEDIMENTATION FACILITIES WITHIN THE SITE ARE PROVIDED TO CONTROL ANY EROSION THAT DOES OCCUR.
2. PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, A SEDIMENT POND OR STORAGE AREA MUST BE ESTABLISHED TO COLLECT SURFACE DRAINAGE FROM ALL AREAS THAT WILL BE DISTURBED. WATER PUMPED FROM EXCAVATION OR DEWATERING OPERATIONS MUST BE DIRECTED TO THE SEDIMENT POND.
3. ALL SILT FENCING TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY GRADING EXCAVATION OR DEMOLITION.
4. CLEARING AND GRUBBING OF THE SITE SHOULD BE KEPT TO A MINIMUM AND VEGETATION REMOVED ONLY IN ADVANCE OF IMMEDIATE CONSTRUCTION.
5. STOCKPILES OF EARTH OR TOPSOIL ARE TO BE LOCATED AND PROTECTED TO MINIMIZE ENVIRONMENTAL INTERFERENCE. STOCKPILES SHOULD NOT BE LOCATED IMMEDIATELY ADJACENT TO DITCHES OR ROAD ALLOWANCES. EROSION CONTROL FENCING IS TO BE INSTALLED AROUND THE BASE OF ALL STOCKPILES. A PERIMETER DITCH LEADING TO A SETTLING AREA OR SEDIMENTATION TRAP SHOULD BE INSTALLED AROUND THE STOCKPILE.
6. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MANHOLES CATCH BASINS, DITCHES SWALES AND WATERCOURSES.
7. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. THE CONTRACTOR IS TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
8. THE DESIGN CONSULTANT IS TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.
9. EROSION CONTROL STRUCTURES ARE TO BE MONITORED REGULARLY AND ANY DAMAGE TO STRUCTURES REPAIRED IMMEDIATELY. SEDIMENTS ARE TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 50% OF THE FENCE. CLOGGED FILTER MATERIALS SUCH AS CRUSHED STONE, STRAW BALES OR FILTER CLOTH MUST BE REPLACED AS REQUIRED.
10. ALL EROSION CONTROL STRUCTURES ARE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
11. NO ALTERNATIVE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE DESIGN CONSULTANT AND THE TOWNSHIP.
12. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MUNICIPAL ROADWAYS AND SIDEWALKS AREA CLEANED OF ALL SEDIMENTS FROM VEHICULAR TRACKING ETC. TO AND FROM THE SITE AT THE END OF EACH WORK DAY.
13. ALL DISTURBED AREAS NOT INCLUDED IN CONSTRUCTION TO BE RE-TOPSOILED AND RE-SEEDED IMMEDIATELY AFTER COMPLETION OF AREA GRADING.



- NOTES:
1. ALL EXISTING FEATURES INCLUDING LOT FABRIC DERIVED FROM EPLETT WOROBEK RAIKES SURVEYING LTD. DRAWING "184035_PS_T.DWG" RECEIVED JANUARY 27, 2020.
 2. SITE PLAN FROM RICK BROWN AND ASSOCIATES INC. RECEIVED APRIL 21, 2022.

BENCH MARKS:

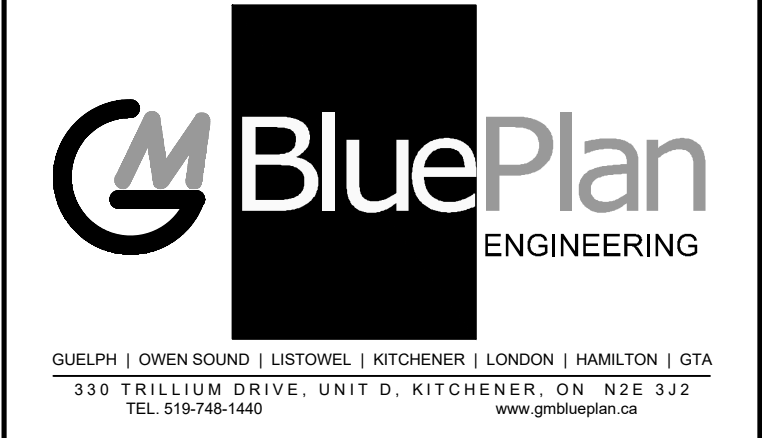
BM#1
TOP OF SSIB (1328)
ELEV=183.64

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1.	06/04/20	ISSUED FOR APPROVAL	S.J.P.



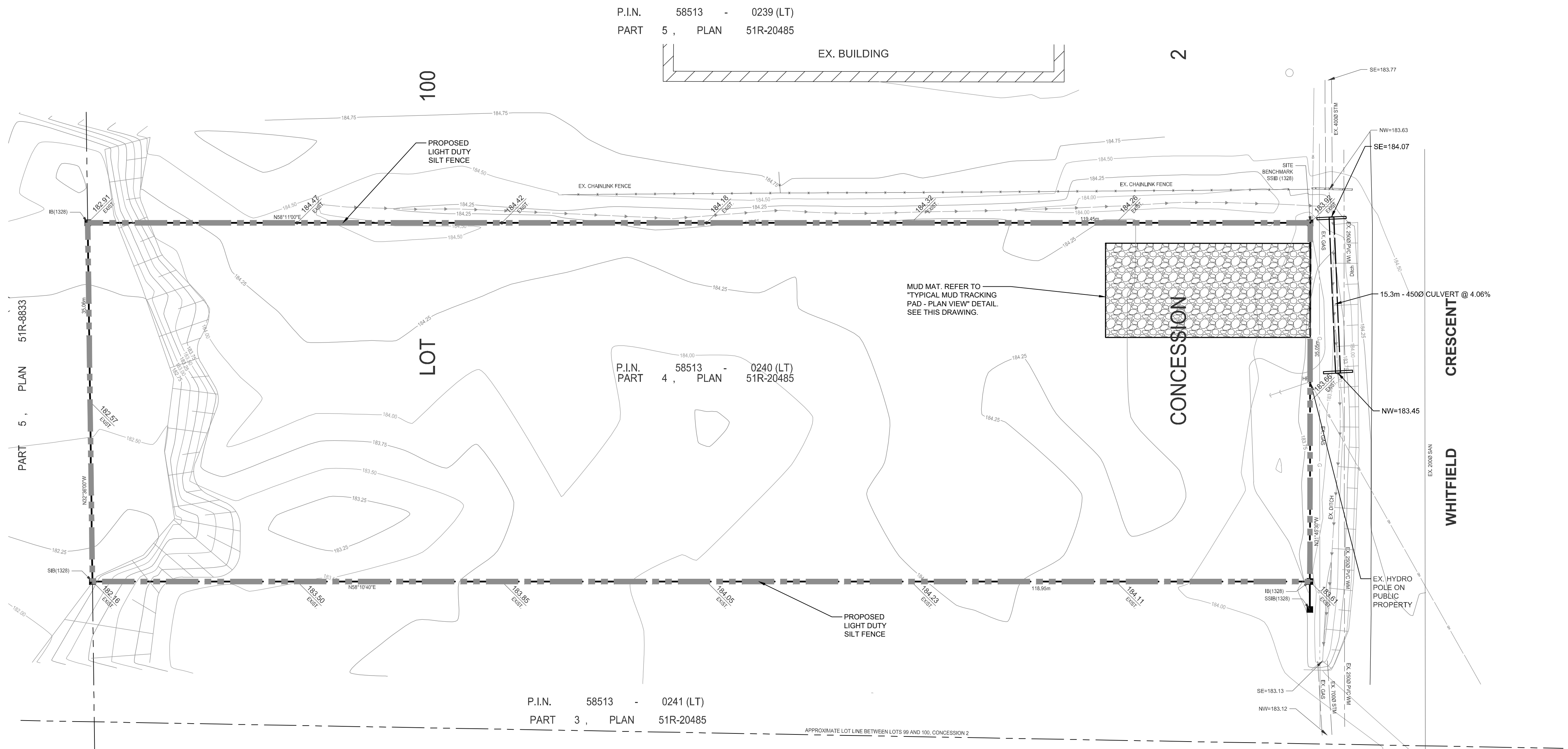
249 WHITFIELD CRESCENT

ASL PROPERTIES LTD

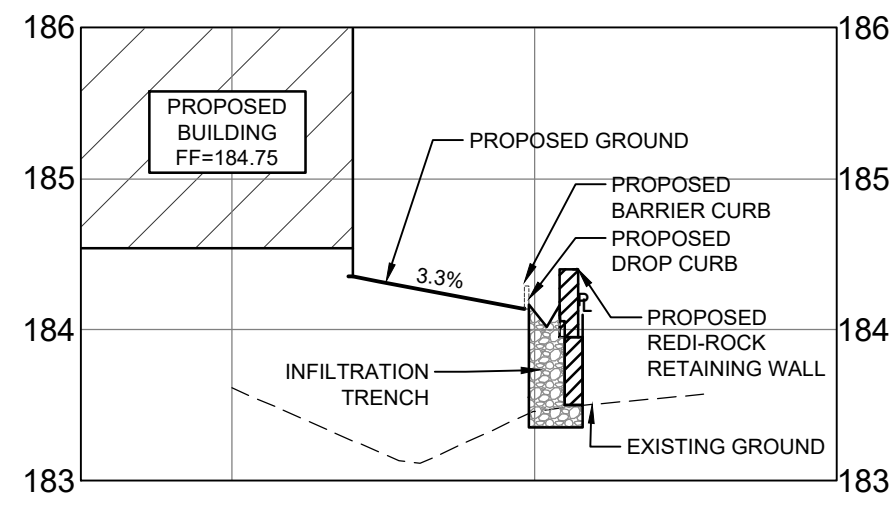
TOWN OF MIDLAND

EROSION AND SEDIMENT CONTROL PLAN

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
M.T.	S.J.P.	419169	3
DESIGNED BY:	DATE:	SCALE:	
S.J.P.	JUNE 2020	1:250	

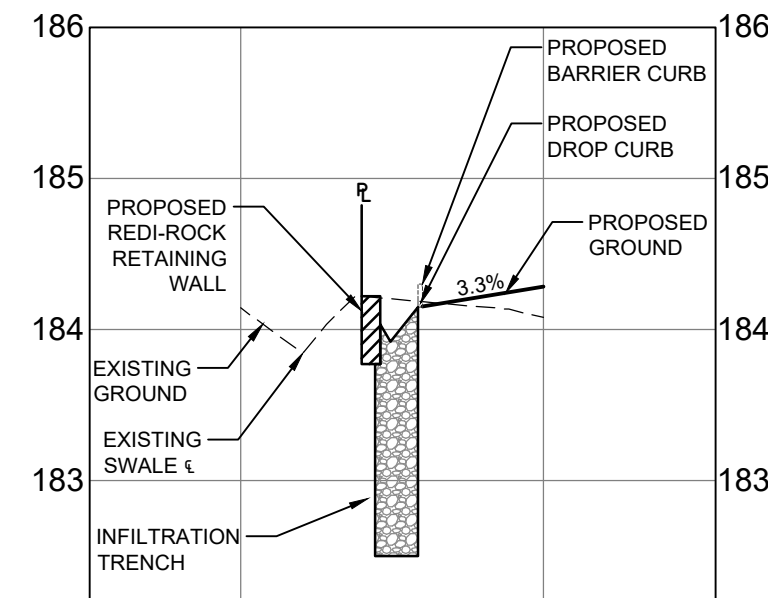


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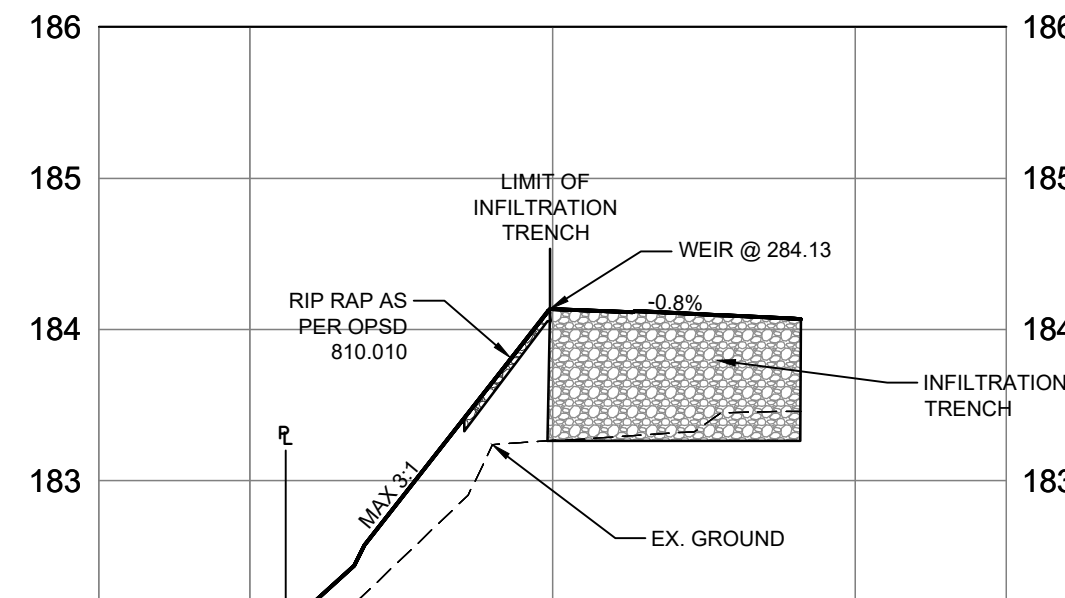
SECTION A-A

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V: 1:50



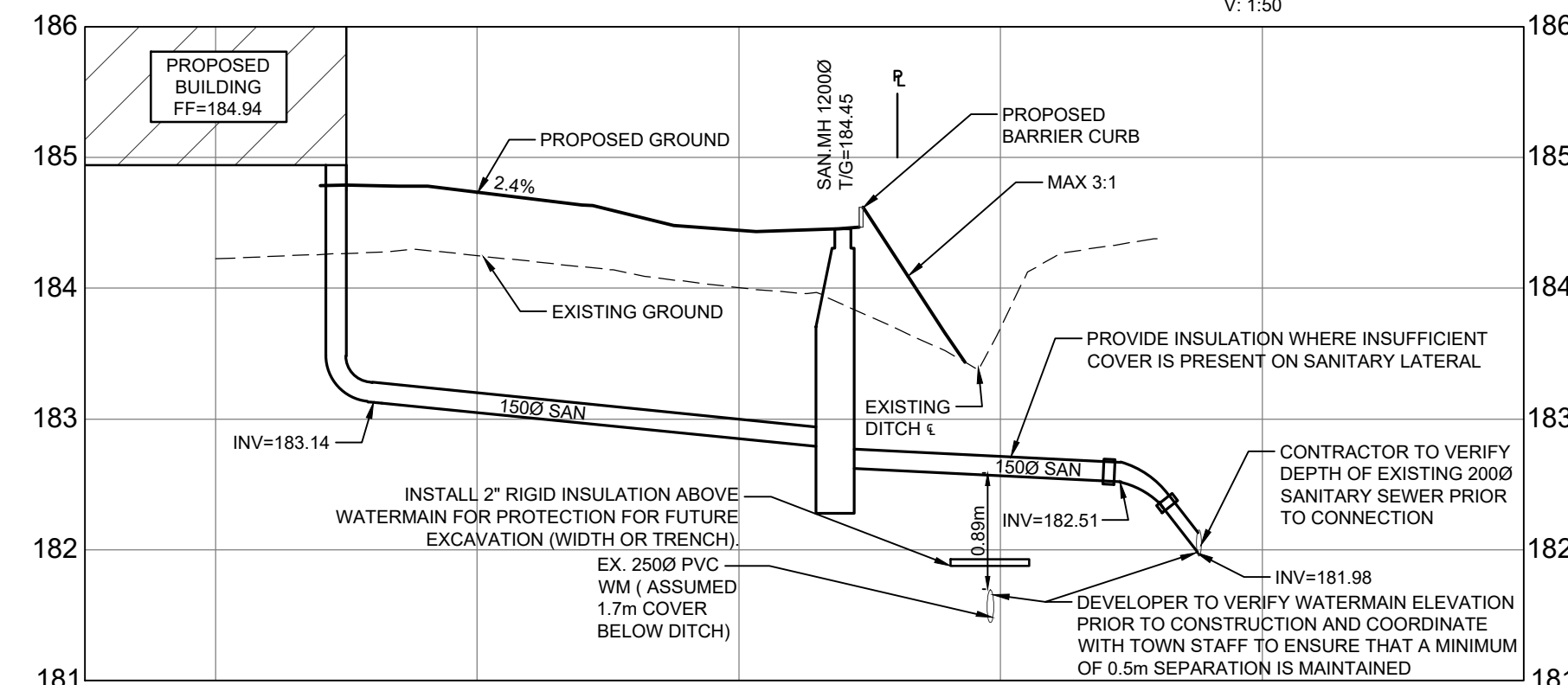
SECTION B-B

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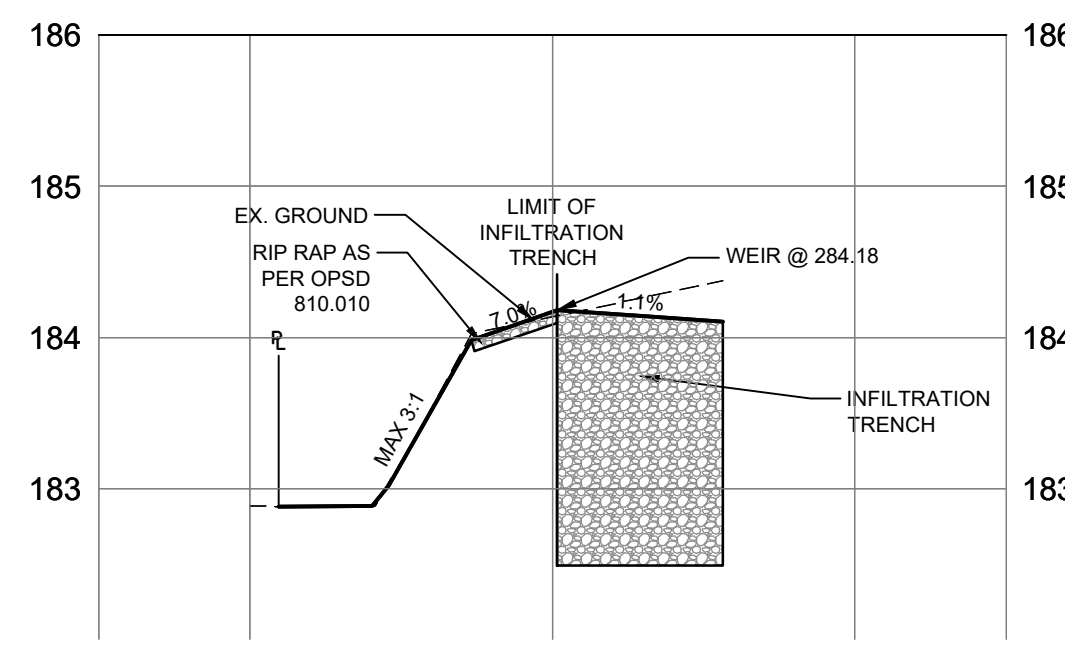
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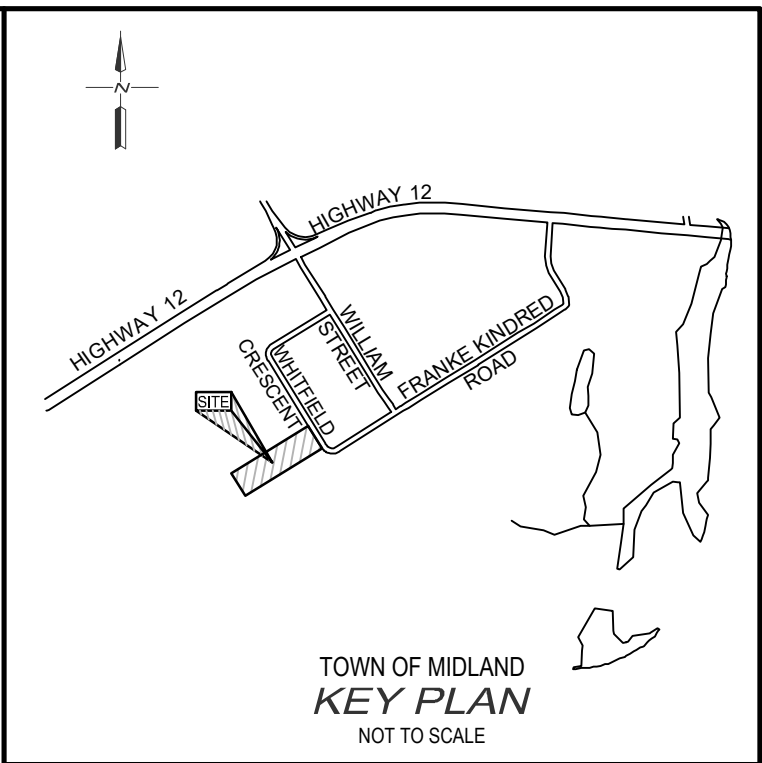
SECTION C-C

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V: 1:50



SECTION E-E

H: 1:250
V: 1:50



- NOTES :**
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GUELPH | OWEN SOUND | LISTOWEL | KITCHENER | LONDON | HAMILTON | GTA
330 TRILLIUM DRIVE, UNIT D, KITCHENER, ON N2E 3J2
TEL 519-748-1440 www.gmbblueplan.ca

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TOWN OF MIDLAND

SECTION VIEWS

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
M.T.	S.J.P.	419169	4
DESIGNED BY :	DATE :	SCALE :	
S.J.P.	JUNE 2020	AS NOTED	

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