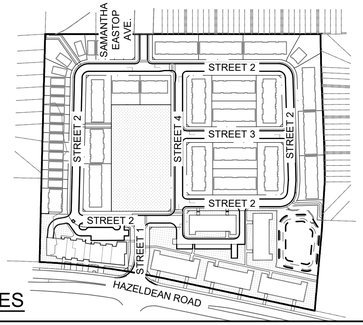
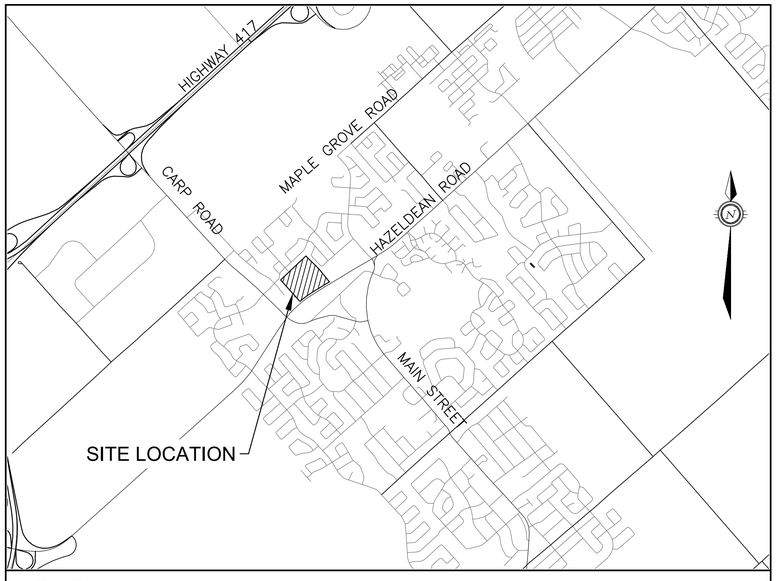


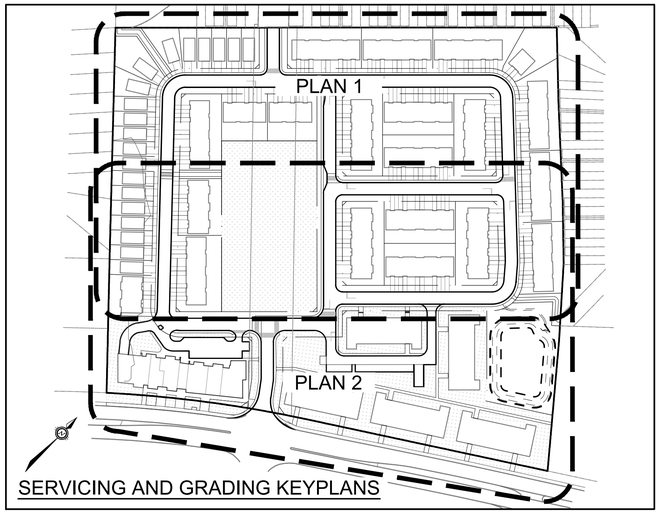
STREET NAMES

HAZELDEAN HORIZONS

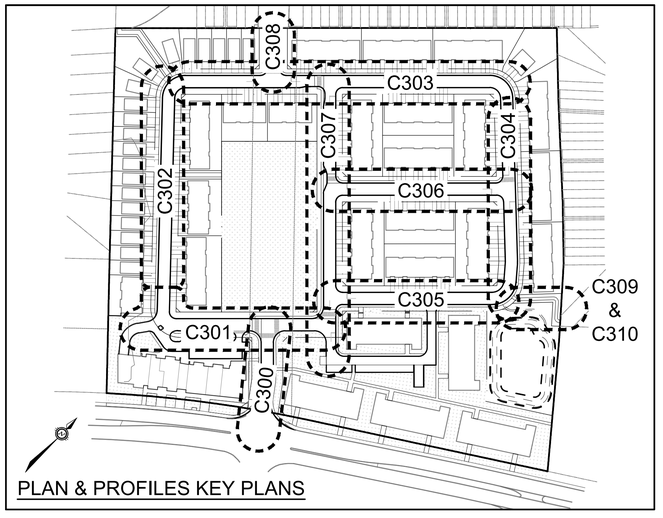
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.



KEY PLAN 1: 25,000



SERVICING AND GRADING KEYPLANS



PLAN & PROFILES KEY PLANS

LIST OF DRAWINGS

DWG NO.	DWG TITLE	REVISION NO.
	COVER SHEET	1
C001	LEGENDS AND NOTES	1
C002	TABLES	1
C100	SERVICING PLAN – PLAN 1	5
C101	SERVICING PLAN – PLAN 2	5
C200	GRADING PLAN – PLAN 1	4
C201	GRADING PLAN – PLAN 1	4
C300	PLAN AND PROFILE, STREET 1, STA.1+000 TO STA.1+125	2
C301	PLAN AND PROFILE, STREET 2, STA.0+000 TO STA.0+150	2
C302	PLAN AND PROFILE, STREET 2, STA.0+150 TO STA.0+300	2
C303	PLAN AND PROFILE, STREET 2, STA.0+300 TO STA.0+550	2
C304	PLAN AND PROFILE, STREET 2, STA.0+550 TO STA.0+700	2
C305	PLAN AND PROFILE, STREET 2, STA.0+700 TO STA.0+810	2
C306	PLAN AND PROFILE, STREET 4, STA.4+000 TO STA.4+150	2
C307	PLAN AND PROFILE, STREET 5, STA.5+000 TO STA.5+00	2
C308	PLAN AND PROFILE, SAMANTHA EASTOP, STA.7+000 TO STA.7+075	2
C309	PLAN AND PROFILE, SANITARY CONN. TO EXIST., STA.0+000 TO STA.0+125	2
C310	PLAN AND PROFILE, STORM CONN. TO EXIST., STA.0+000 TO STA.0+125	2
C400	POST DEVELOPMENT STORM DRAINAGE PLAN	4
C401	POST DEVELOPMENT PONDING PLAN	1
C500	SANITARY DRAINAGE PLAN	4
C600	EROSION AND SEDIMENT CONTROL PLAN	3
C700	DETAIL SHEET 1 – ROADWAY SECTIONS	1
C701	DETAIL SHEET 2 – TYPICAL SECTIONS	1
C702	DETAIL SHEET 3	1
C703	DETAIL SHEET 4 – STORMWATER MANAGEMENT FACILITY	1
C704	DETAIL SHEET 5 – STORMWATER MANAGEMENT FACILITY DETAILS 1	1
C705	DETAIL SHEET 6 – STORMWATER MANAGEMENT FACILITY DETAILS 2	1

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• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

PROJECT No.OTT-00258780-A0
MAY 2022

LATITUDE Homes

1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

ISSUED FOR APPROVAL - MAY 12, 2022

Filename: \\ott\projects\ott-00258780--01\01 execution\05 drawings\c000 cover.dwg
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DESCRIPTION	EXISTING	PROPOSED
SITE FEATURES		
PROPERTY LINE		
TOP OF SLOPE		
TERRACING (3:1 TYPICAL)		
℄ DITCH/SWALE AND DIRECTION OF FLOW		
EDGE OF SHOULDER		
EDGE OF PAVEMENT		
℄ ROAD/ALIGNMENT		
CHAINLINK FENCE	X X	X X
POST AND RAIL FENCE		
SIDEWALK (TYPE AS NOTED ON DRAWINGS)		
BARRIER CURB (SC1.1)		
MOUNTABLE CURB (SC1.3)		
DEPRESSED CURB	DC	DC
TACTILE WALKING SURFACE INDICATOR "TWSI" (SC7.3)		
GUARDRAIL		
JERSEY BARRIERS		
BUILDING ENTRY/EXIT WITH RISERS	xR	xR
BUILDING ENTRY/EXIT BARRIER FREE	BF	BF
BUILDING ENTRY/EXIT OVERHEAD DOOR		
POST	POST	POST
SIGN	SIGN	SIGN
BOLLARD	BOLL	BOLL
VEGETATION		

DESCRIPTION	EXISTING	PROPOSED
UTILITY AND STRUCTURES		
JOINT UTILITY OVERHEAD LINE		
HYDRO (OVERHEAD)	OH	OH
HYDRO	H	H
POWER	P P	P P
ELECTRICAL	E	E
BELL (OVERHEAD)	OB	OB
BELL	B	B
CABLE (OVERHEAD)	OC	OC
CABLE TV	C	C
FIBRE OPTIC	FO	FO
STREETLIGHT	SL SL	SL SL
GASMAIN	G G	G G
JOINT USE TRENCH – BELL/CABLE TV	BC	BC
JOINT USE TRENCH – HYDRO/CABLE TV	HC	HC
JOINT USE TRENCH – HYDRO/BELL/CABLE TV	HBC	HBC
JOINT USE TRENCH – HYDRO/BELL/CABLE TV/GAS	HBCG	HBCG
JOINT USE TRENCH – BELL/CABLE TV/GAS	BCG	BCG
DUCT CROSSING WITH NUMBER AND TYPE OF DUCTS	2H,2C,2B	2H,2C,2B
STREETLIGHT (c/w GROUND ROD WHERE REQUIRED)	LS	LS
STREETLIGHT DISCONNECT	SD	SD
HYDRO TRANSFORMER		
HYDRO SWITCHING KIOSK		
HYDRO MANHOLE		
HYDRO METER		
UTILITY POLE AND GUY WIRE	UP	UP
CABLE PEDESTAL	C	C
BELL PEDESTAL	B	B
BELL MANHOLE	B	B
BELL GROUND LEVEL BOX	GLB	GLB
ENDWALL		
COMMUNITY MAILBOX	PUB	PUB
GAS VALVE	GV	GV
GAS METER		
TRAFFIC MANHOLE	TMH	TMH
TRAFFIC HAND HOLE	HH	HH
TRAFFIC JOINT USE POLE	JUP	JUP
TRAFFIC MAST ARM	MAF	MAF
TRAFFIC CONDUIT	T T	T T

DESCRIPTION	EXISTING	PROPOSED
SERVICES AND STRUCTURES		
SANITARY SEWER	EX.250mmø SAN	250mmø SAN
COMBINATION SEWER	EX.300mmø COMB	300mmø COMB
STORM SEWER	EX.375mmø STM	375mmø STM
STORM SUBDRAIN	EX.150mmø SUBDRAIN	150mmø SUBDRAIN
STORM CULVERT	EX.600mmø CULVERT	600mmø CULVERT
SANITARY MANHOLE	EX.SAN	SANMH 100
COMBINATION MANHOLE	EX.COMB	COMBMH 100
STORM MANHOLE	EX.STM	STMMH 200
STORM MANHOLE C/W ICD	EX.STM	MH 30
CATCHBASIN MANHOLE	EX.CBMH	CBMH 100
CATCHBASIN	EX.CB	CB1
CATCHBASIN C/W ICD	EX.CB	CB1
DOUBLE CATCHBASIN	EX.DCB	DCB1
CATCHBASIN ELBOW (S30)	EX.CBE	CBE
CATCHBASIN TEE (S31)	EX.CBT	CBT
CURB INLET CATCHBASIN	EX.CICB	CICB 1
DITCH INLET CATCHBASIN	EX.DICB	DICB 1
WATERMAIN	200mmø WATERMAIN	200mmø WATERMAIN
IRRIGATION	IR IR	IR IR
VALVE AND VALVE BOX	V&VB	V&VB
VALVE AND VALVE CHAMBER	V&VC	V&VC
FIRE HYDRANT	FH	FH
SIAMESE CONNECTION	SC	SC
WATER METER	M	M
REMOTE WATER METER	RM	RM
45° BEND	45°	45°
22.5° BEND	22°	22°
11.25° BEND	11°	11°
TEE	200X150 TEE	200X150 TEE
REDUCER	200X100 RED	200X100 RED
CROSS	300X200 CROSS	300X200 CROSS
CURB STOP		
WATER WELL		

DESCRIPTION	EXISTING	PROPOSED
GRADING		
GROUND ELEVATION	X 100.00	X 100.00
SWALE ELEVATION	X 100.00(S)	X 100.00(S)
TOP OF GRATE ELEVATION	T/G=100.00	T/G=100.00
TOP OF WALL ELEVATION	X 100.00 T/W	X 100.00 T/W
BOTTOM OF WALL ELEVATION	X 100.00 B/W	X 100.00 B/W
FINISHED FLOOR ELEVATION	FF=100.00	FF=100.00
TOP OF FOUNDATION ELEVATION	TF=100.00	TF=100.00
BASEMENT FLOOR ELEVATION	BF=100.00	BF=100.00
UNDERSIDE OF FOOTING ELEVATION	USF=100.00	USF=100.00
MINIMUM UNDERSIDE OF FOOTING ELEVATION	MUSF=100.00	MUSF=100.00
PARKING LEVEL ELEVATION	P1=100.00	P1=100.00
ORIGINAL GROUND ELEVATION	OG=100.00	OG=100.00
TOP OF ROCK ELEVATION	T/ROCK=100.00	T/ROCK=100.00
CONTOUR LINES	100.00	100.00
SLOPE AND DIRECTION OF FLOW	2.0%	2.0%

DESCRIPTION	EXISTING	PROPOSED
STORMWATER MANAGEMENT		
MAJOR OVERLAND FLOW ROUTE ONSITE		
MAJOR OVERLAND FLOW ROUTE OFFSITE		
EMERGENCY OVERLAND FLOW ROUTE		
STORM DRAINAGE AREA BOUNDARY		
STORM DRAINAGE AREA NUMBER STORM DRAINAGE AREA IN HECTARES RUN-OFF COEFFICENT		1 0.06 0.75
SPILL ELEVATION		
5 YEAR PONDING AREA		5 YR
100 YEAR PONDING AREA		100 YR

DESCRIPTION	EXISTING	PROPOSED
GEOTECHNICAL		
BOREHOLE	BH	BH
TEST PIT	TP	TP
COREHOLE	CH	CH
PIEZOMETER	PIZ	PIZ
MONITORING WELL	MW	MW

MISCELLANEOUS

REMOVED — X X X REM

RELOCATED — REL

ADJUSTED — ADJ

HEAVY DUTY PAVEMENT OVER EARTH
REFER TO NOTES FOR COMPOSITION

HEAVY DUTY PAVEMENT OVER PARKING STRUCTURE
REFER TO NOTES FOR COMPOSITION

LIGHT DUTY PAVEMENT OVER EARTH
REFER TO NOTES FOR COMPOSITION

LIGHT DUTY PAVEMENT OVER PARKING STRUCTURE
REFER TO NOTES FOR COMPOSITION

ROAD REINSTATEMENT AS PER CITY STANDARD R10

RIP–RAP AS PER OPSD 810.010

CONCRETE

LANDSCAPE

SERVICING TRENCHES

1–100mm STORM SERVICE (PVC SDR28) ▼
1–19mm WATER SERVICE (TYPE 'K' COPPER OR PEX PIPE) TYPE 'A'
1–135mm SANITARY SERVICE (PVC SDR28)

2–100mm STORM SERVICE (PVC SDR28) ▼
2–19mm WATER SERVICE (TYPE 'K' COPPER OR PEX PIPE) TYPE 'B'
2–135mm SANITARY SERVICE (PVC SDR28)

PAVING STRUCTURE COMPOSITION

STREETS 1, 2, 3 AND 4

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES SHALL BE AS FOLLOWS:
40mm HL–3 OR SUPERPAVE (PG) 58–34 12.5 ASPHALTIC CONCRETE
50mm HL–8 OR SUPERPAVE (PG) 58–34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
400mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANUALR B TYPE I OR II

BLOCKS 27 AND 47

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES OVER EARTH SHALL BE AS FOLLOWS:
40mm HL–3 OR SUPERPAVE (PG) 58–34 12.5 ASPHALTIC CONCRETE
50mm HL–8 OR SUPERPAVE (PG) 58–34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
400mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANUALR B TYPE I OR II

LIGHT DUTY PAVEMENT STRUCTURE FOR NEW PARKING OVER EARTH SHALL BE AS FOLLOWS:
65mm HL–3 OR SUPERPAVE (PG) 58–34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
300mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANUALR B TYPE I OR II

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES AREAS OVER PARKING STRUCTURES SHALL BE AS FOLLOWS:
40mm HL–3 OR SUPERPAVE (PG) 58–34 12.5 ASPHALTIC CONCRETE
50mm HL–8 OR SUPERPAVE (PG) 58–34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II
BELOW GRANULAR B REFER TO ARCHITECTURAL PLAN

LIGHT DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES AREAS OVER PARKING STRUCTURES SHALL BE AS FOLLOWS:
65mm HL–3 OR SUPERPAVE (PG) 58–34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II
BELOW GRANULAR B REFER TO ARCHITECTURAL PLAN

ROADWAY CURB DETAILS & SUMMARY

(BARRIER CURB PER SC1.1) BC | MC (MOUNTABLE CURB PER SC1.3)

ROADWAY CURB SUMMARY				
STREET NAME	SIDE	CURB TYPE	STATION FROM	STATION TO
STREET 1	LEFT	BARRIER (SC1.1)	1+000	1+116
	RIGHT	BARRIER (SC1.1)	1+000	1+116
STREET 2	LEFT	BARRIER (SC1.1)	0+000	0+131
		MOUNTABLE (SC1.3)	0+131	0+814
	RIGHT	BARRIER (SC1.1)	0+000	0+132
		MOUNTABLE (SC1.3)	0+132	0+392
		BARRIER (SC1.1)	0+392	0+408
		MOUNTABLE (SC1.3)	0+408	0+814
STREET 3	LEFT	MOUNTABLE (SC1.3)	4+000	4+147
	RIGHT	MOUNTABLE (SC1.3)	4+000	4+147
STREET 4	LEFT	MOUNTABLE (SC1.3)	5+000	5+193
		BARRIER (SC1.1)	5+193	5+207
	RIGHT	BARRIER (SC1.1)	5+000	5+207
SAMANTHA EASTOP	LEFT	MOUNTABLE (SC1.3)	7+000	7+047
	RIGHT	MOUNTABLE (SC1.3)	7+000	7+047

REFER TO GRADING PLAN (C200 & C201) FOR TRANSITION LOCATIONS

GENERAL NOTES:

1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE.
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LOCATION AND STATUS OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING SERVICES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING SERVICES AND STRUCTURES TO BE CONNECTED TO AND EXISTING SERVICES THAT MAY BE DAMAGED OR CAUSE CONFLICTS PRIOR TO CONSTRUCTION OF ANY NEW SEWER, WATER AND/OR STORM WATER WORKS. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES, INTERPRETATIONS, CHANGES AND ADDITIONS TO THESE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER, WHEN NOTED AND BEFORE PROCEEDING WITH CONSTRUCTION WORKS. DO NOT CONTINUE CONSTRUCTION IN AREAS WHERE DISCREPANCIES APPEAR UNTIL SUCH DISCREPANCIES HAVE BEEN RESOLVED.
4. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED. ALL DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE ENGINEER IN WRITING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF THE SAME.
6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS", THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL AND REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER, THE CITY OF OTTAWA AND THE AUTHORITY HAVING JURISDICTION.
8. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON CITY STREETS. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE M.T.O. BOOK 7 AND T.A.C MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST AMENDMENT).
10. THE SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS WRITTEN APPROVAL BY THE ENGINEER HAS BEEN OBTAINED.
12. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
13. THE SITE LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR. AS-BUILT SITE SERVICING & GRADING DRAWINGS SHALL BE MAINTAINED ON SITE BY THE CONTRACTOR.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE IF THE MAXIMUM TRENCH WIDTH, AS SPECIFIED BY OPSD, IS EXCEEDED.
15. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED AY THE CONTRACTOR. REVIEW WITH ENGINEER AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
16. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT.
17. ALL BOREHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP. SERVICES INC, DATED MAY 14, 2021.
18. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PITS AS REQUIRED TO MAKE THEIR OWN INDEPENDENT ASSESSMENT OF GROUND CONDITIONS. THE CONTRACTOR SHALL NOT MAKE ANY CLAIM FOR ANY EXTRA COST DUE TO ANY SUCH GROUND CONDITIONS VARYING FROM THOSE ANTICIPATED BY THE CONTRACTOR.
19. DO NOT CONSTRUCT USING DRAWINGS THAT ARE NOT MARKED "ISSUED FOR CONSTRUCTION".
20. FOR TOPOGRAPHICAL INFORMATION REFER TO PLAN PREPARED BY FAIRHALL MOFFAT WOODLAND LIMITED. DATED JANUARY 14, 2020.
21. CIVIL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPE AND LEGAL DRAWINGS.
22. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING.
23. STREET LIGHTING SHALL BE TO CITY OF OTTAWA STANDARDS.

SANITARY SEWER NOTES

1. ALL SANITARY SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL SANITARY SEWERS SHALL BE PVC SDR 35, IPEX "RING-TITE" (OR EQUIVALENT), AS PER CSA STANDARD B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER TRENCH AND BEDDING SHALL BE AS PER CITY OF OTTAWA STD. S6 AND S7, CLASS 'B BEDDING UNLESS OTHERWISE NOTED.
4. ALL SANITARY LATERALS ARE TO BE PVC SDR 28, IPEX "RING-TITE" (OR EQUIVALENT), ANY COLOR EXCEPT WHITE AND MARKED WITH A 50mm X 100mm WOODEN MARKER, EXTENDING FROM THE INVERT TO 1.0m ABOVE GRADE PAINTED RED.
5. SEWER BEDDING AS PER CITY STANDARD S6 & S7. GRANULAR 'A' BEDDING TO BE INCREASED TO 300mm WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE.
6. SANITARY SEWER MANHOLES SHALL BE BENCHED AS PER OPSD 701.021. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24 AND S25. SAFETY PLATFORMS SHALL BE AS PER OPSD 404.02. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
7. THE CONTRACTOR SHALL CONDUCT INFILTRATION/EXFILTRATION (AS PER CURRENT OPSS) TESTING ON ALL NEWLY INSTALLED SANITARY SEWERS. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWER INSTALLATION AND VIEWED BY THE ENGINEER.
8. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED SANITARY SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.
9. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
10. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
11. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1.
12. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
13. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010
14. SERVICE LATERALS TO BE INSTALLED AS PER CITY OF OTTAWA DETAIL S11.1. VERTICAL RISER CONNECTIONS MAY BE REQUIRED. ENSURE MINIMUM 250mm SPATIAL SEPARATION BETWEEN SANITARY LATERALS AND STORM SEWER MAIN.

STORM SEWER NOTES

1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2 (LATEST AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.1, (LATEST AMENDMENT), PIPE SHALL BE JOINTED WITH STD. RUBBER GASKETS AS PER CSA A257.3 (LATEST AMENDMENT).
3. ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED PER C.S.A. B182.2 OR LATEST AMENDMENT, UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013. RIGID STORM PIPE SHALL BE CONSTRUCTED IN ACCORDANCE WITH OPSD 802.030. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PIPES FROM HEAVY CONSTRUCTION EQUIPMENT. BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMDD.
5. SEWER BEDDING AS PER CITY STANDARD S6 & S7.
6. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR AND MARKED WITH A 50mm X IOOmm WOODEN MARKER EXTENDING FROM THE INVERT TO 1.0M ABOVE GRADE PAINTED GREEN.
7. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
8. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE
9. MINIMUM SOIL COVER TO BE 2.1m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010
10. ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
11. STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. S24, S24.1 AND S25.
12. SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
13. DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01.
14. STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900mm SHALL BE CONSTRUCTED WITH A 300mm SUMP. FOR STORM SEWERS 900mm AND OVER USE BENCHING IN ACCORDANCE WITH OPSD 701 .021.
15. SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S1. AND OPSD 705.020, RESPECTIVELY. FRAMES AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S19 FOR REAR LOT CATCHBASINS, AND STREET CATCHBASINS.
16. CURB INLET TYPE CATCH BASIN (CICB) SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. S3. AND GRATE SHALL BE AS PER CITY OF OTTAWA STD. S22 AND S23, UNLESS OTHERWISE NOTED.
17. SINGLE AND DOUBLE CATCHBASIN LEADS SHALL BE 200mm AND 250mmØ (MIN) RESPECTIVELY, 1.0% SLOPE (MIN.) UNLESS OTHERWISE NOTED.
18. ALL CATCHBASIN MANHOLES SHALL HAVE SUMPS WITH 300mm DEPTH, UNLESS OTHERWISE NOTED.
19. ALL CATCHBASINS SHALL HAVE SUMPS OF 600mm DEPTH, UNLESS OTHERWISE NOTED.
20. INSTALL 6.0m OF 100mmØ SUBDRAIN AT EACH ROADWAY CATCH-BASIN PER CITY DETAIL R1. SUBDRAINS ARE TO BE INSTALLED ON THE UPSTREAM SIDE OF THE CATCHBASINS ONLY.
21. CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED AT THE LOW POINT OF SAG CURB WORKS.
22. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON BEDDING CONDITIONS SPECIFIED. WHERE THE SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADDITIONAL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE STRENGTH AT HIS OWN EXPENSE AND SHALL ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMANENT REPAIRS MADE NECESSARY BY THE WIDENED TRENCH.
23. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED STORM SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED.

WATERMAIN NOTES

1. ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS).
2. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR.
3. ALL PVC WATERMAIN SHALL BE PVC DR18 IN ACCORDANCE WITH AWWA. C-900, CLASS 150 OR PVCO IN ACCORDANCE WITH AWWA C-909, WITH AWWA/CSA PRESSURE RATING OF 235 PSI (1620 kPa) OR APPROVED EQUAL.
4. WATERMAINS TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W17, UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE SPECIFIED BY PROJECT GEOTECHNICAL ENGINEER.
5. ALL PVC WATERMAINS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36.
6. WATER SERVICES ARE TO BE TYPE K SOFT COPPER, OR PEX TUBING AS PER CITY OF OTTAWA STD. W26 UNLESS OTHERWISE SPECIFIED. ALL WATER SERVICES CROSSING SEWERS ARE TO BE INSTALLED AS PER CITY OF OTTAWA STD. W38. WATER SERVICES SHALL BE MARKED WITH A "50mm X IOOmm", EXTENDING FROM THE INVERT T0 1.0m ABOVE GRADE PAINTED BLUE. STAND POSTS/SHUT-OFFS SHALL BE INSTALLED AT THE PROPERTY LINE.
7. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER CITY OF OTTAWA STD. W40 AND W42.
8. VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DETAIL W24.
9. ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 AND LOCATED AS PER CITY STANDARD W18 AND/OR CITY STANDARD CROSS SECTIONS.
10. ALL WATERMAINS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
11. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3 AND W25.4, W25.5 AND W25.6.
12. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
13. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
14. WATER METERS TO BE INSTALLED AS PER W30 FOR WATER SERVICES.
15. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CAPS, PLUGS AND BLOW-OFFS AND NOZZLES REQUIRED FOR TESTING AND DISINFECTION OF THE WATERMAN.
16. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAN COVER IS LESS THAN 2.4m.
17. WHERE THE SEPARATION BETWEEN SERVICES AND MANHOLES IS LESS THAN 1.2m, WATER SERVICES ARE TO BE INSULATED AS PER CITY OF OTTAWA STD. W23.
18. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER / UTILITY IS 0.25M FOR CROSSING OVER THE SEWER, AS PER CITY STD W25.2. FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.50M AS PER CITY STD. W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

ROADWAY SPECIFICATIONS

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL UNSUITABLE MATERIAL SUCH AS FILL, PEAT AND MARL WITHIN THE ROADWAY LIMITS IS TO BE EXCAVATED, REMOVED AND REPLACED WITH ENGINEERED FILL. EXCAVATION AND BACKFILLING WORK SHALL BE COMPLETED AS PER THE GEOTECHNICAL REPORT PREPARED BY EXP SERVICES INC. AND SHALL BE PERFORMED UNDER DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER. SITE GRADING WORK WITHIN THE FOOTPRINTS OF PROPOSED BUILDINGS, SERVICES AND ROADWAYS SHOULD CONSIST OF THE REMOVAL OF FILL, PEAT AND MARL TO THE SURFACE OF BEDROCK OR NATIVE SOIL, WHICHEVER OCCURS FIRST.
2. ALONG ROADWAYS, FOLLOWING THE REMOVAL OF ALL PEAT/ORGANIC AND FILL MATERIAL TO SUBGRADE LEVEL, THE SUBGRADE SHOULD BE PROOFROLLED USING A 10-TON VIBRATORY ROLLER IN THE PRESENCES OF A GEOTECHNICIAN. ANY SOFT AREAS DETECTED SHOULD BE SUBEXCAVATED AND REPLACED WITH IMPORTED MATERIAL, OR BY APPROVED ON-SITE MATERIAL WHICH IS FREE OF ORGANICS, BOULDERS AND/OR COBBLES. APPROVED SUBGRADE FILL SHOULD BE PLACED IN 300mm LIFTS AND COMPACTED TO 98% SPMDD.
3. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SCI.1.1(BARRIER CURB) AND SC1.3 (MOUNTABLE CURB), AS NOTED. PROVISION SHALL BE MADE F

CATCHBASIN & CATCHBASIN MANHOLE STRUCTURE DATA

STRUCTURE DATA			ELEVATION DATA			OUTLET PIPE		ICD TYPE (*SEE NOTE)	100-YR RELEASE RATE (L/sec)
STRUCTURE ID	STRUCTURE TYPE	FRAME & COVER TYPE	TOP OF GRATE ELEVATION	INLET	OUTLET	DIAMETER	TYPE		
CB 01	OPSD 705.010	S19	121.24	–	119.84	200mm	PVC	TEMPEST MHF TYPE-C	40.8
CB 02	OPSD 705.010	S19	121.24	–	119.84	200mm	PVC	TEMPEST MHF TYPE-B	15.2
CB 03	OPSD 705.010	S19	119.96	–	118.56	200mm	PVC	TEMPEST MHF TYPE-F	79.8
CB 04	OPSD 705.010	S19	119.96	–	118.56	200mm	PVC	TEMPEST MHF TYPE-C	40.7
CB 05	OPSD 705.010	S19	119.66	–	118.26	200mm	PVC	TEMPEST MHF TYPE-B	30.7
CB 06	OPSD 705.010	S19	119.66	–	118.26	200mm	PVC	TEMPEST MHF TYPE-A	22.1
CB 07	OPSD 705.010	S19	119.23	–	-1.40	200mm	PVC	PEDRO TYPE-X	14.7
CB 08	OPSD 705.010	S22 / S23	119.24	–	-1.40	200mm	PVC	TEMPEST MHF TYPE-C	39.1
CB 09	OPSD 705.010	S19	118.79	–	117.39	200mm	PVC	TEMPEST MHF TYPE-C	41.1
CB 10	OPSD 705.010	S19	118.79	–	117.39	200mm	PVC	TEMPEST MHF TYPE-B	31.7
CB 11	OPSD 705.010	S19	118.65	–	117.25	200mm	PVC	TEMPEST MHF TYPE-A	22.3
CB 12	OPSD 705.010	S19	118.65	–	117.25	200mm	PVC	TEMPEST MHF TYPE-A	22.3
CB 13	OPSD 705.010	S19	118.51	–	117.12	200mm	PVC	TEMPEST MHF TYPE-B	31.6
CB 14	OPSD 705.010	S19	118.51	–	117.12	200mm	PVC	TEMPEST MHF TYPE-A	22.7
CB 15	OPSD 705.010	S19	118.50	–	117.02	200mm	PVC	TEMPEST MHF TYPE-B	31.4
CB 16	OPSD 705.010	S19	118.40	–	117.00	200mm	PVC	TEMPEST MHF TYPE-A	22.3
CB 17	OPSD 705.010	S19	118.44	–	116.95	200mm	PVC	TEMPEST MHF TYPE-B	31.8
CB 18	OPSD 705.010	S19	117.90	–	116.50	200mm	PVC	TEMPEST MHF TYPE-D	63.2
CB 19	OPSD 705.010	S19	117.90	–	116.50	200mm	PVC	TEMPEST MHF TYPE-D	63.1
CB 20	OPSD 705.010	S19	118.86	–	117.46	200mm	PVC	PEDRO TYPE-X	14.7
CB 21	OPSD 705.010	S19	118.86	–	117.46	200mm	PVC	PEDRO TYPE-X	14.8
CB 22	OPSD 705.010	S19	119.27	–	117.86	200mm	PVC	TEMPEST MHF TYPE-A	22.2
CB 24	OPSD 705.010	S19	119.23	–	117.83	200mm	PVC	PEDRO TYPE-X	10.4
CB 25	OPSD 705.010	S19	119.23	–	117.83	200mm	PVC	TEMPEST MHF TYPE-A	21.8
CB 26	OPSD 705.010	S19	118.80	–	117.35	200mm	PVC	TEMPEST MHF TYPE-A	18.4
CB 27	OPSD 705.010	S19	118.80	–	116.49	200mm	PVC	TEMPEST MHF TYPE-A	21.5
CB 28	OPSD 705.010	S19	119.99	–	118.57	200mm	PVC	PEDRO TYPE-X	14.6
CB 29	OPSD 705.010	S19	119.98	–	118.57	200mm	PVC	PEDRO TYPE-X	15.0
CB 30	OPSD 705.010	S19	121.03	–	119.60	200mm	PVC	PEDRO TYPE-X	14.5
CB 31	OPSD 705.010	S19	121.02	–	119.60	200mm	PVC	TEMPEST MHF TYPE-A	21.9
CB 32	OPSD 705.010	S19	120.76	–	119.37	200mm	PVC	PEDRO TYPE-X	14.6
CB 33	OPSD 705.010	S19	119.20	–	117.62	200mm	PVC	TEMPEST MHF TYPE-B	25.7
CB 36	OPSD 705.010	S19	119.43	SW 117.90	117.87	250mm	PVC	–	–
CB 43	OPSD 705.010	S19	118.87	SW 117.40	117.37	250mm	PVC	–	–
CB 51	OPSD 705.010	S19	120.18	SE 119.06	119.00	250mm	PVC	–	–
CB 52	S31	S31	120.83	SE 119.89	119.89	250mm	PERF. HDPE	–	–
CB 53	S31	S31	119.93	–	119.23	250mm	PERF. HDPE	–	–
CB 54	S30	S30	118.74	SW 117.46	117.46	250mm	PERF. HDPE	–	–
CB 55	S30	S30	117.99	SW 116.99	116.99	250mm	PERF. HDPE	–	–
CB 56	S30	S30	116.27	NW 115.51	115.51	250mm	PERF. HDPE	–	–
CB 57	S30	S30	116.17	NW 115.04	115.04	250mm	PERF. HDPE	–	–
CB 58	OPSD 705.010	S19	118.68	SW 117.23	117.17	250mm	PVC	–	–
CB 59	S31	S31	119.11	–	117.76	250mm	PERF. HDPE	–	–
CB 60	OPSD 705.010	S19	118.79	SW 117.52	117.46	250mm		–	–
CB 61	S31	S31	119.01	–	117.78	250mm	PERF. HDPE	–	–
CB 62	S30	S30	121.55	SE 120.58	120.58	250mm	PERF. HDPE	–	–
CB 63	OPSD 705.010	S19	116.65	SW 115.68	115.68	250mm	PVC	–	–
CB 64	OPSD 705.010	S19	121.20	–	119.08	200mm	PVC	PEDRO TYPE-X	11.0
CB 65	OPSD 705.010	S19	121.30	–	119.41	200mm	PVC	TEMPEST MHF TYPE-A	22.0
CB 70	S30	S30	120.26	SE 118.82	118.82	250mm	PERF. HDPE	–	–
CB 71	S30	S30	120.15	SE 119.18	119.18	250mm	PERF. HDPE	–	–
CB 72	S31	S31	120.23		119.26	250mm	PERF. HDPE	–	–
CB 73	S30	S30	120.64	SE 119.72	119.72	250mm	PERF. HDPE	–	–
CB 74	S31	S31	121.09	–	120.16	250mm	PERF. HDPE	–	–
CB 75	S31	S31	121.76	–	120.82	250mm	PERF. HDPE	–	–
CB 76	S30	S30	120.76	SE 119.78	118.91	250mm	PERF. HDPE	–	–
CB 77	OPSD 705.010	S19	120.34	NW 118.91 SE 119.36	118.85	250mm	PVC	–	–
CB 78	S30	S30	120.54	–	119.54 119.54	250mm 250mm	PERF. HDPE	–	–
CB 79	OPSD 705.010	S19	120.25	SE 119.12 NW 119.12	119.06	250mm	PVC	–	–
CB 80	S31	S31	118.97	–	117.62	250mm	PERF. HDPE	–	–
CB 81	S31	S31	118.20	–	117.20	250mm	PERF. HDPE	–	–
CB 82	S30	S30	117.72	SW 116.72	116.72	250mm	PERF. HDPE	–	–
CB 83	OPSD 705.010	S19	117.65	NE 116.24 SW 116.39	116.33	250mm	PVC	–	–
CB 84	S30	S30	117.28	–	116.39 116.24	250mm 250mm	PERF. HDPE	–	–
CB 85	S30	S30	116.80	SW 115.80	115.80	250mm	PERF. HDPE	–	–
CB 86	S30	S30	116.27	NW 115.33	115.33	250mm	PERF. HDPE	–	–
CB 87	OPSD 705.010	S19	116.25	NW 115.18	115.29 115.12	250mm 250mm	PVC	–	–
CB 88	S30	S30	116.24	NW 115.16	115.16	250mm	PERF. HDPE	–	–
CB 89	S30	S30	116.17	NW 114.91	114.91	250mm	PERF. HDPE	–	–
CB 90	S30	S30	118.90	SW 117.51	117.51	250mm	PERF. HDPE	–	–
CB 91	S30	S30	118.92	SW 117.65	117.65	250mm	PERF. HDPE	–	–
CB 92	OPSD 705.010	S19	122.46	–	120.26	200mm	PVC	PEDRO TYPE-X	17.3
CB 93	OPSD 705.010	S19	121.10	SW 119.76	119.70	250mm	PVC	PEDRO TYPE-X	14.8
CB 94	S31	S31	119.65	–	118.44	250mm	PERF. HDPE	–	–
CB 95	S30	S30	119.27	SW 118.12	118.12	250mm	PERF. HDPE	–	–
CB 96	OPSD 705.010	S19	119.59	–	117.20	250mm	PVC	TEMPEST MHF TYPE-C	52.8
CB 97	OPSD 705.010	S19	232.13	NW 114.79	114.73	250mm	PVC	–	–
CB 98	OPSD 705.010	S19	116.85	–	115.44	250mm	PVC	TEMPEST MHF TYPE-C	35.0

CATCHBASIN & CATCHBASIN MANHOLE STRUCTURE DATA – CONTINUED

STRUCTURE DATA			ELEVATION DATA			OUTLET PIPE		ICD TYPE (*SEE NOTE)	100-YR RELEASE RATE (L/sec)
STRUCTURE ID	STRUCTURE TYPE	FRAME & COVER TYPE	TOP OF GRATE ELEVATION	INLET	OUTLET	DIAMETER	TYPE		
CB 99	OPSD 705.010	S19	0.00	–	118.36	200mm	PVC	TEMPEST MHF TYPE-A	25.2
CB 100	OPSD 705.010		116.81		115.41	200mm			
CB 102	S30	S30	118.32	SW 117.26	117.26	250mm	PERF. HDPE	–	–
CB 103	S30	S30	118.55	SW 117.63	117.63	250mm	PERF. HDPE	–	–
CB 104	S30	S30	119.01	SW 118.08	118.08	250mm	PERF. HDPE	–	–
CB 105	S30	S30	119.19	SW 118.31	118.31	250mm	PERF. HDPE	–	–
CB 106	S30	S30	119.98	SW 118.87	118.87	250mm	PERF. HDPE	–	–
CB 107	S31	S31	120.31	–	119.41	250mm	PERF. HDPE	–	–
CB 110	S30	S30	121.75	SW 120.38	120.38	250mm	PERF. HDPE	–	–
CB 111	S30	S30	122.16	SW 120.69	120.69	250mm	PERF. HDPE	–	–
CB 112	S30	S30	122.39	SW 120.97	120.97	250mm	PERF. HDPE	–	–
CB 113	S31	S31	122.60	–	121.54	250mm	PERF. HDPE	–	–
CB 120	OPSD 705.010	S19	120.15	–	118.75	200mm	PVC	TEMPEST MHF TYPE-B	31.5
CB 121	OPSD 705.010	S19	120.15	–	118.75	200mm	PVC	TEMPEST MHF TYPE-A	21.9
CB 122	OPSD 705.010	S19	119.98	SE 118.61	118.58	250mm	PVC	–	–
CB 123	OPSD 705.010	S19	120.96	–	119.56	200mm	PVC	PEDRO TYPE-X	15.1
CB 124	OPSD 705.010	S19	119.89	–	118.49	200mm	PVC	PEDRO TYPE-X	14.9
DICB 125	OPSD 705.030	OPSD 403.010	115.96	–	115.42	375mm	HDPE	–	–
MH 35	OPSD 701.010	S25 / S24.1	119.85	SE 118.38	118.35	250mm	PVC	PEDRO TYPE-X	16.5
MH 36	OPSD 701.010	S25 / S24.1	119.28	SW 117.81	117.78	250mm	PVC	PEDRO TYPE-X	15.8
MH 37	OPSD 701.010	S25 / S24.1	119.98	SW 118.51	118.48	250mm	PVC	TEMPEST MHF TYPE-D	62.2
MH 38	OPSD 701.010	S25 / S24.1	120.13	NE 118.66	118.63	250mm	PVC	TEMPEST MHF TYPE-A	22.9
MH 39	OPSD 701.010	S25 / S24.1	120.18	SW 118.71	118.68	250mm	PVC	PEDRO TYPE-X	15.8
MH 40	OPSD 701.010	S25 / S24.1	118.86	NW 115.99	115.96	250mm	PVC	TEMPEST MHF TYPE-A	23.8
MH 41	OPSD 701.010	S25 / S24.1	118.30	NW 116.83	116.80	250mm	PVC	TEMPEST MHF TYPE-C	42.2
MH 42	OPSD 701.010	S25 / S24.1	118.59	NW 117.12	117.09	250mm	PVC	TEMPEST MHF TYPE-B	32.6
MH 43	OPSD 701.010	S25 / S24.1	118.77	SW 117.30	117.27	250mm	PVC	TEMPEST MHF TYPE-B	32.0
MH 44	OPSD 701.010	S25 / S24.1	118.76	NE 114.89	114.86	250mm	PVC	TEMPEST MHF TYPE-B	31.1
MH 45	OPSD 701.010	S25 / S24.1	118.14	NE 114.41	114.39	250mm	PVC	TEMPEST MHF TYPE-A	23.3
MH 100	OPSD 701.010	S25 / S24.1	117.86	SE 116.80 E 115.28 NE 115.35	114.40	450mm	CONCRETE	–	–
MH 101	OPSD 701.010	S25 / S24.1	117.31	SW 117.04	116.98	250mm	PVC	TEMPEST MHF TYPE-C	41.0
ROOF (9-STRY)	–	–	–	–	–	–	–	ROOF DRAINS (9-STRY)	17.5

*INLET CONTROL DEVICE NOTE:
USE IPEX AND PEDRO PLASTICS INLET CONTROL DEVICES (ICD) AS NOTED IN THE ABOVE TABLES, OR APPROVED EQUIVALENT. ICD'S MUST MEET THE FOLLOWING CRITERIA;

ICD TYPE	IPEX TEMPEST TYPE-A	IPEX TEMPEST TYPE-B	IPEX TEMPEST TYPE-C	IPEX TEMPEST TYPE-D	IPEX TEMPEST TYPE-F	PEDRO PLASTICS TYPE-X
FLOW RATE (L/sec)	19.8	28.1	36.7	68.4	91.5	13.4
HEAD (m)	1.2	1.2	1.2	2.0	2.0	2.0

SANITARY MANHOLE STRUCTURE DATA

STRUCTURE ID	TOP OF GRATE	INVERTS	STRUCTURE SIZE	STRUCTURE TYPE	FRAME / COVER
100	116.01	NW. IN=111.40 (250mmø) NE. OUT=111.03 (300mmø)	1200mmø	OPSD 701.010	S25 / S24
102	116.78	SW. IN=112.34 (250mmø) SE. OUT=111.92 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
103	118.07	NW. IN=113.45 (250mmø) SW. IN=113.64 (250mmø) NE. OUT=113.28 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
104	118.42	NW. IN=113.54 (250mmø) SE. OUT=113.52 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
105	118.52	NW. IN=113.72 (250mmø) SW. IN=114.08 (200mmø) SE. OUT=113.70 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
106	118.81	W. IN=113.97 (250mmø) SE. OUT=113.93 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
107	118.96	SW. IN=114.04 (250mmø) E. OUT=114.00 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
108	119.24	SW. IN=114.41 (250mmø) SE. IN=114.77 (200mmø) NE. OUT=114.39 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
109	119.65	SW. IN=114.67 (250mmø) NE. OUT=114.65 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
110	120.16	S. IN=115.11 (250mmø) NE. OUT=115.07 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
111	120.24	SE. IN=115.21 (250mmø) N. OUT=115.17 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
112	120.60	SE. IN=115.70 (250mmø) NW. OUT=115.68 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
113	122.14	SW. IN=117.68 (250mmø) NW. OUT=117.37 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
114	122.44	SE. IN=118.28 (250mmø) NE. OUT=118.22 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
115	119.15	NE. OUT=114.66 (200mmø)	1200mmø	OPSD 701.010	S25 / S24
116	119.12	NE. OUT=114.31 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
120	118.72	SW. IN=114.03 (250mmø) SE. IN=114.06 (250mmø) NE. OUT=114.01 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
121	119.59	SE. IN=115.29 (200mmø) NW. OUT=115.27 (200mmø)	1200mmø	OPSD 701.010	S25 / S24
122	119.41	NW. OUT=115.67 (200mmø)	1200mmø	OPSD 701.010	S25 / S24
123	118.77	SE. IN=114.26 (250mmø) NW. OUT=114.26 (250mmø)	1200mmø	OPSD 701.010	S25 / S24
174	115.88	SW. IN=111.01 (300mmø) SE. IN=111.11 (200mmø) N. OUT=110.98 (300mmø)	1200mmø	OPSD 701.010	S25 / S24
175	115.63	S. IN=110.86 (300mmø) W. IN=112.47 (200mmø) E. OUT=110.79 (300mmø)	1200mmø	OPSD 701.010	S25 / S24

STORM MANHOLE STRUCTURE DATA

STRUCTURE ID	TOP OF GRATE	INVERTS	STRUCTURE SIZE	STRUCTURE TYPE	FRAME / COVER
EX.78511	116.04	SW. IN=112.15 (1050mmø) SE. IN=112.55 (600mmø) N. OUT=112.09 (1050mmø)	2400mmø	OPSD 701.013	N.A.
EX.225	118.55	SE. OUT=115.73 (250mmø)	1200mmø	OPSD 701.010	N.A.
EX.78508	115.52	S. IN=111.85 (1050mmø) NW. IN=112.49 (450mmø) E. OUT=111.81 (1050mmø)	2400mmø	OPSD 701.013	N.A.
200	116.20	S. IN=112.23 (1050mmø) NE. OUT=112.17 (1050mmø)	1500mmø	OPSD 701.011	S25 / S24.1
201	115.90	N. OUT=112.29 (1050mmø)	1500X1800mm	(PER OPSS 1351)	(SEE DWG. C703)
203	118.12	NW. IN=113.84 (825mmø) SW. IN=113.99 (675mmø) SE. OUT=113.76 (900mmø)	1800mmø	OPSD 701.012	S25 / S24.1
204	118.38	NW. IN=113.90 (825mmø) SE. OUT=113.89 (825mmø)	1500mmø	OPSD 701.011	S25 / S24.1
205	118.49	NW. IN=114.01 (825mmø) SW. IN=114.38 (450mmø) SE. OUT=114.01 (825mmø)	1500mmø	OPSD 701.011	S25 / S24.1
206	118.76	W. IN=114.18 (825mmø) SE. OUT=114.15 (825mmø)	1500mmø	OPSD 701.011	S25 / S24.1
207	118.91	SW. IN=114.23 (825mmø) E. OUT=114.20 (825mmø)	1500mmø	OPSD 701.011	S25 / S24.1
208	119.21	SW. IN=114.62 (675mmø) SE. IN=115.02 (450mmø) NE. OUT=114.47 (825mmø)	1500mmø	OPSD 701.011	S25 / S24.1
209	119.62	SW. IN=114.85 (600mmø) NW. IN=115.20 (250mmø) NE. OUT=114.78 (675mmø)	1500mmø	OPSD 701.011	S25 / S24.1
210	120.11	S. IN=115.15 (600mmø) NE. OUT=115.12 (600mmø)	1500mmø	OPSD 701.011	S25 / S24.1
211	120.19	SE. IN=115.22 (600mmø) N. OUT=115.19 (600mmø)	1500mmø	OPSD 701.011	S25 / S24.1
212	120.59	SE. IN=115.69 (450mmø) NW. OUT=115.54 (600mmø)	1200mmø	OPSD 701.010	S25 / S24.1
213	122.11	NW. OUT=117.31 (450mmø)	1200mmø	OPSD 701.010	S25 / S24.1
215	119.11	NE. OUT=114.97 (450mmø)	1200mmø	OPSD 701.010	S25 / S24.1
216	119.74	SE. IN=115.05 (375mmø) NW. IN=115.12 (300mmø) NE. OUT=115.06 (525mmø)	1200mmø	OPSD 701.010	S25 / S24.1
217	119.90	SW. IN=115.42 (375mmø) SE. IN=115.60 (200mmø) NW. OUT=115.42 (375mmø)	1200mmø	OPSD 701.010	S25 / S24.1
218	120.89	SW. IN=116.43 (300mmø) SE. IN=116.43 (300mmø) NE. OUT=116.35 (375mmø)	1200mmø	MAINTENANCE HOLE	S25 / S24.1
219	121.17	SE. IN=116.90 (300mmø) NE. OUT=116.84 (300mmø)	1200mmø	OPSD 701.010	S25 / S24.1
220	121.05	SE. IN=116.82 (300mmø) NW. OUT=116.80 (300mmø)	1200mmø	OPSD 701.010	S25 / S24.1
221	121.13	NW. OUT=116.94 (300mmø)	1200mmø	OPSD 701.010	S25 / S24.1
223	118.63	SE. IN=114.85 (375mmø) NW. OUT=114.78 (375mmø)	1200mmø	OPSD 701.010	S25 / S24.1
226	118.63	SW. IN=114.33 (525mmø) SE. IN=114.61 (375mmø) NE. OUT=114.31 (675mmø)	1200mmø	OPSD 701.010	S25 / S24.1
227	119.47	NW. OUT=115.41 (450mmø)	1200mmø	OPSD 701.010	S25 / S24.1
228	119.44	SE. OUT=115.52 (300mmø)	1200mmø	OPSD 701.010	S25 / S24.1
229	0.00	NW. OUT=116.01 (200mmø)	1200mmø	OPSD 701.010	S25 / S24.1
230	121.25	SE. IN=117.76 (300mmø) NW. OUT=117.05 (300mmø)	1200mmø	OPSD 701.010	S25 / S24.1

CAUTION
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JOB BENCH MARK JBM▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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BASEPLAN SK
DESIGN JLF
CHECKED BMT
CAD SK
PROJECT MANAGER JLF
APPROVED BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
TABLES

PROJECT No. 258780
SURVEY 238800-FMW
DATE 24/07/20
DRAWING No. C002

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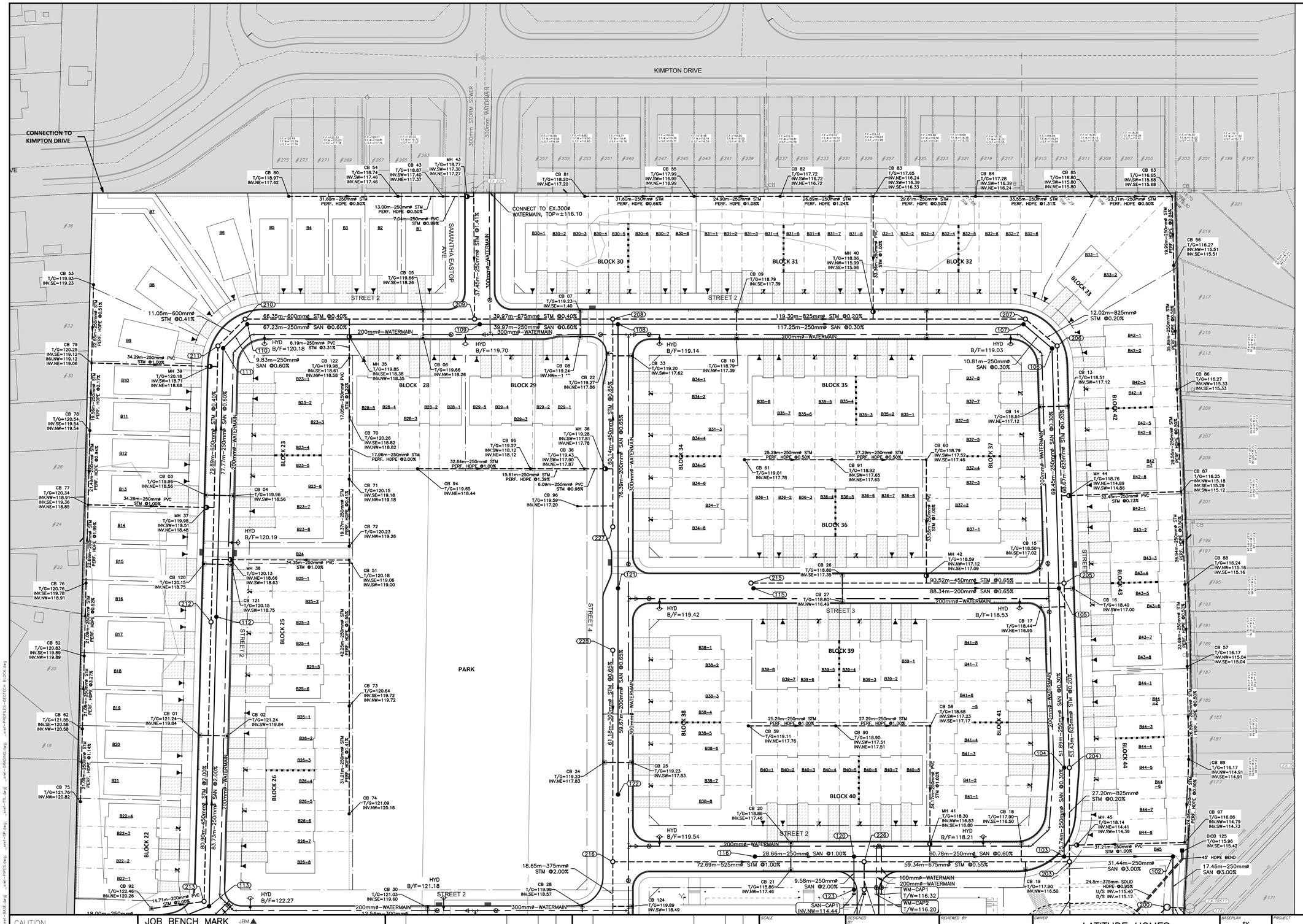
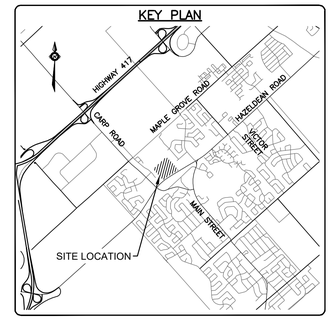


KEY PLAN



LEGEND

- PROPERTY LINE
- (115) SANITARY MH NUMBER
- PROPOSED SANITARY MH/SEWER
- (215) STORM MH NUMBER
- PROPOSED STORM MH/SEWER
- PROPOSED REAR YARD CATCH–BASIN TEE/ ELBOW PER CITY DETAIL S30 & S31
- PROPOSED 600x600 PCC CATCH–BASIN PER OPSD 705.010
- PROPOSED 600x600 PCC CATCH–BASIN PER OPSD 705.010 C/W ICD
- PROPOSED 1200mmø PCC CATCH–BASIN MAINTENANCE HOLE PER OPSD 701.010 C/W ICD
- PROPOSED PVC DR–18 WATERMAIN
- PROPOSED FIRE HYDRANT & VALVE
- PROPOSED WATERMAIN FITTINGS
- OUTSIDE PROPOSED DEVELOPMENT
- FIRE RATED WALL (2HR)

CAUTION
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JOB BENCH MARK

JBM▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
5	ISSUED FOR APPROVAL	05/12/22	SK	BMT
4	ISSUED FOR COORDINATION	02/08/22	JH	BMT
3	REVISED PER CITY COMMENTS	09/24/21	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: SERVICING PLAN 1

PROJECT No.	25878O
SURVEY	238800-FMW
DATE	24/07/20
DRAWING No.	C100

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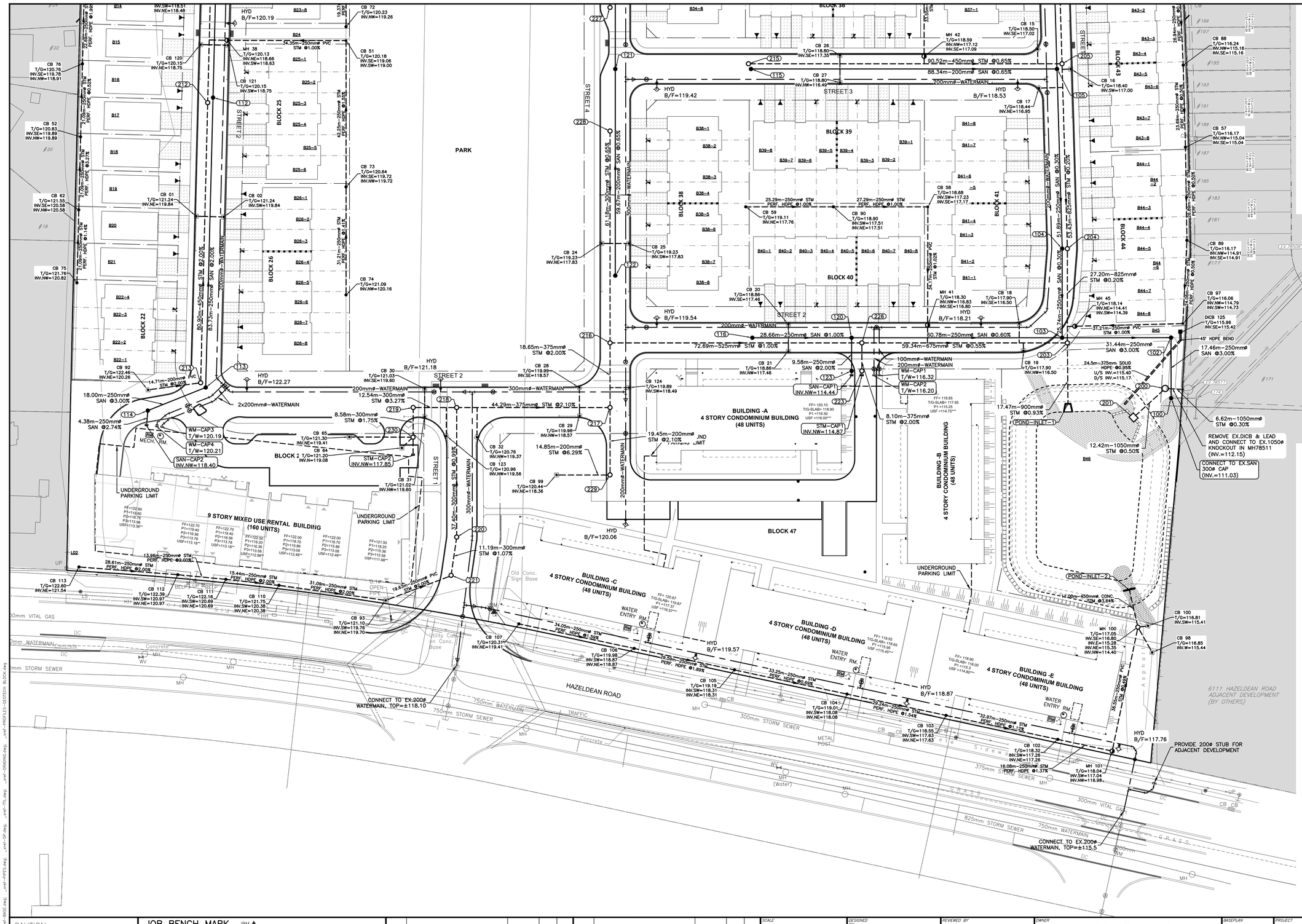

CAUTION

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JOB BENCH MARK JBM ▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
5	ISSUED FOR APPROVAL	05/12/22	SK	BMT
4	ISSUED FOR COORDINATION	02/08/22	JH	BMT
3	REVISED PER CITY COMMENTS	09/24/21	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500

NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
SERVICING PLAN 2

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C101

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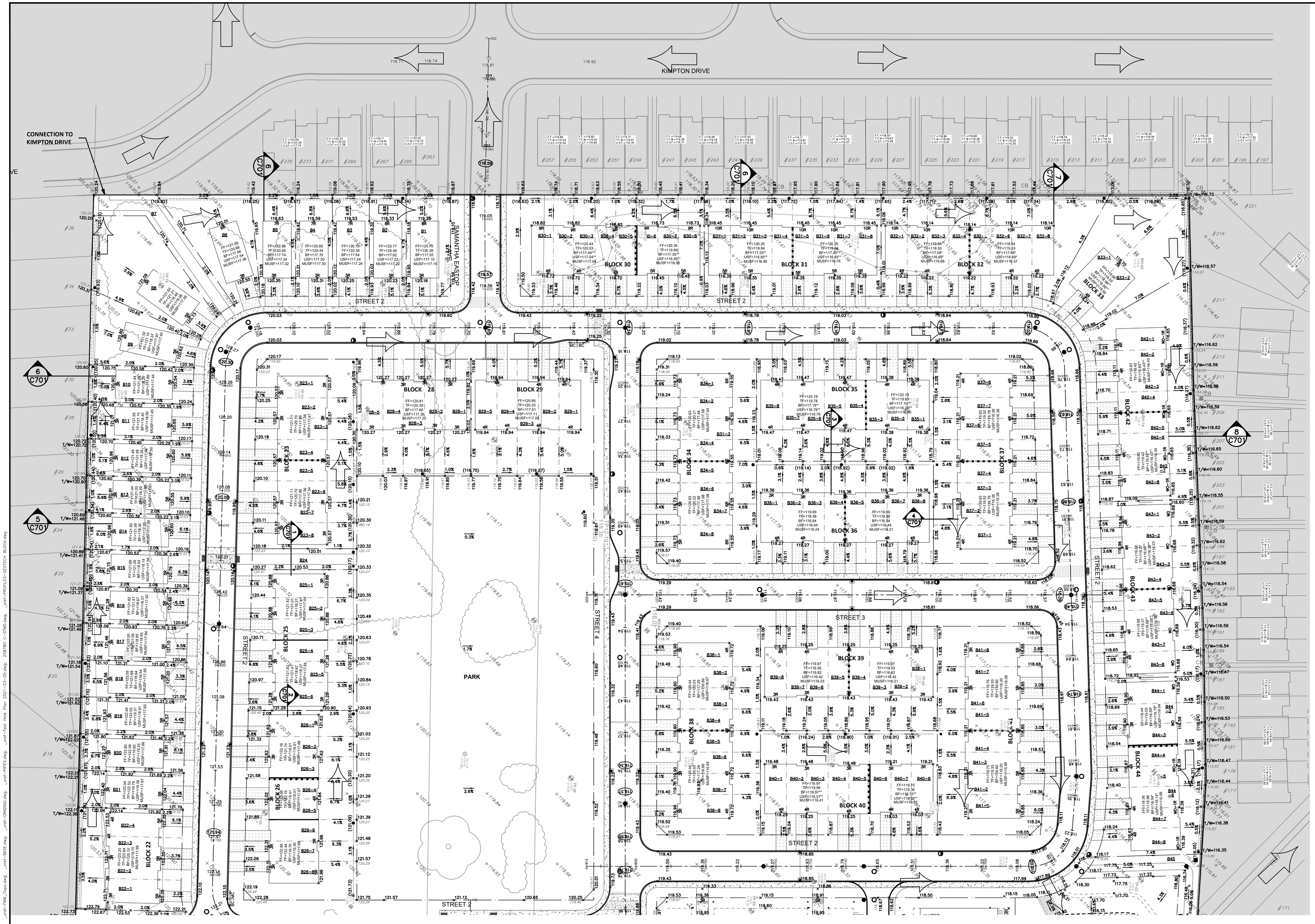

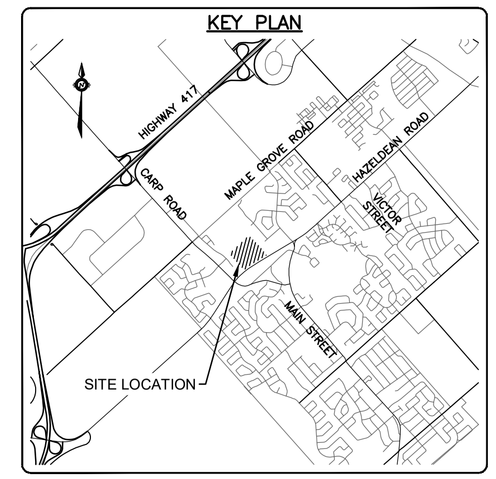

LEGEND

EXISTING GROUND ELEVATION	*X 100.00*
℄ ROAD HIGH/LOW POINT ELEVATION	(100.00)
GROUND ELEVATION	X 100.00
GROUND ELEVATION BY OTHERS	X [100.00]
SWALE ELEVATION	X (100.00)
TOP OF GRATE ELEVATION	T/G=100.00
TOP OF WALL ELEVATION	X 100.00 T/W
BOTTOM OF WALL ELEVATION	X 100.00 B/W
FINISHED FLOOR ELEVATION	FF=100.00
TOP OF FOUNDATION ELEVATION	TF=100.00
BASEMENT FLOOR ELEVATION	BF=100.00
PARKING LEVEL ELEVATION	P1=100.00
UNDERSIDE OF FOOTING ELEVATION	USF=100.00
ORIGINAL GROUND ELEVATION	OG=100.00
TOP OF ROCK ELEVATION	T/ROCK=100.00
EXISTING CONTOURS	100.00
SLOPE AND DIRECTION OF FLOW	2.0%
MAJOR OVERLAND FLOW ROUTE	
OUTSIDE PROPOSED DEVELOPMENT	
FIRE RATED WALL (2HR)	

NOTE:

FOR SINGLES, SEMIS AND TOWNHOMES FF TO BF =3.15m, UNLESS OTHERWISE NOTED;
* FF TO BF =2.85m (BLOCKS 32, 44)
** FF TO BF =3.00m (BLOCKS 30, 31, 33, 35, 40, 42, 43)
*** REFER TO STRUCTURAL DRAWING FOR THE USF

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JOB BENCH MARK JBM▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
4	ISSUED FOR APPROVAL	05/12/22	SK	BMT
3	REVISED PER CITY COMMENTS	09/24/21	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE 0 5m 10m 20m HORIZONTAL 1:500
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
GRADING PLAN 1

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C200

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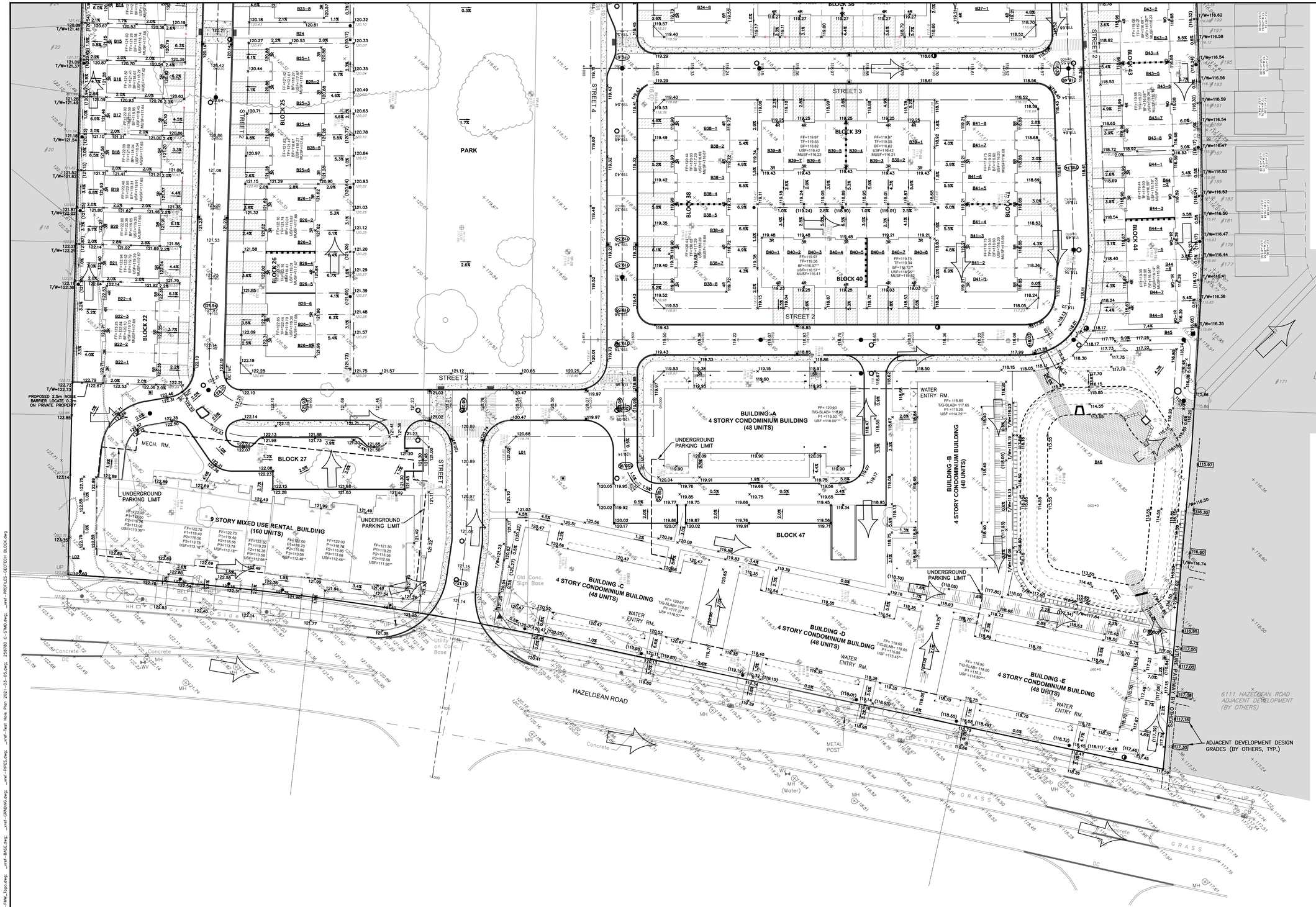
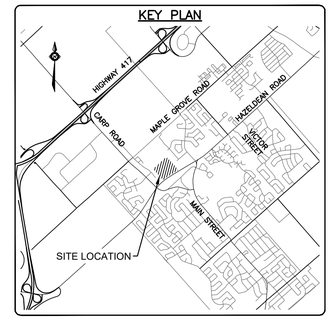
Xrefs: ...\ref-TTL.dwg; ...\ref-SP.dwg; ...\ref-TWL_Topo.dwg; ...\ref-BASE.dwg; ...\ref-GRADING.dwg; ...\ref-PIPES.dwg; ...\ref-Test Hole Plan 2021-03-05.dwg; ...\ref-PROFILES-GEOTECH BLOCK.dwg; 258780 C-STND.dwg;





LEGEND

EXISTING GROUND ELEVATION	*X 100.00*
℄ ROAD HIGH/LOW POINT ELEVATION	(100.00)
GROUND ELEVATION	X 100.00
GROUND ELEVATION BY OTHERS	X [100.00]
SWALE ELEVATION	X (100.00)
TOP OF GRATE ELEVATION	T/G=100.00
TOP OF WALL ELEVATION	X 100.00 T/W
BOTTOM OF WALL ELEVATION	X 100.00 B/W
FINISHED FLOOR ELEVATION	FF=100.00
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BASEMENT FLOOR ELEVATION	BF=100.00
PARKING LEVEL ELEVATION	P1=100.00
UNDERSIDE OF FOOTING ELEVATION	USF=100.00
ORIGINAL GROUND ELEVATION	OG=100.00
TOP OF ROCK ELEVATION	T/ROCK=100.00
EXISTING CONTOURS	*100.00*
SLOPE AND DIRECTION OF FLOW	2.0%
MAJOR OVERLAND FLOW ROUTE	
OUTSIDE PROPOSED DEVELOPMENT	
FIRE RATED WALL (2HR)	

NOTE:

FOR SINGLES, SEMIS AND TOWNHOMES FF TO BF =3.15m, UNLESS OTHERWISE NOTED;
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** FF TO BF =3.00m (BLOCKS 30, 31, 33, 35, 40, 42, 43)
*** REFER TO STRUCTURAL DRAWING FOR THE USF

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JOB BENCH MARK JBM ▲
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NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
4	ISSUED FOR APPROVAL	05/12/22	SK	BMT
3	REVISED PER CITY COMMENTS	09/24/21	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE 0 5m 10m 20m HORIZONTAL 1:500
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
GRADING PLAN 2

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C201

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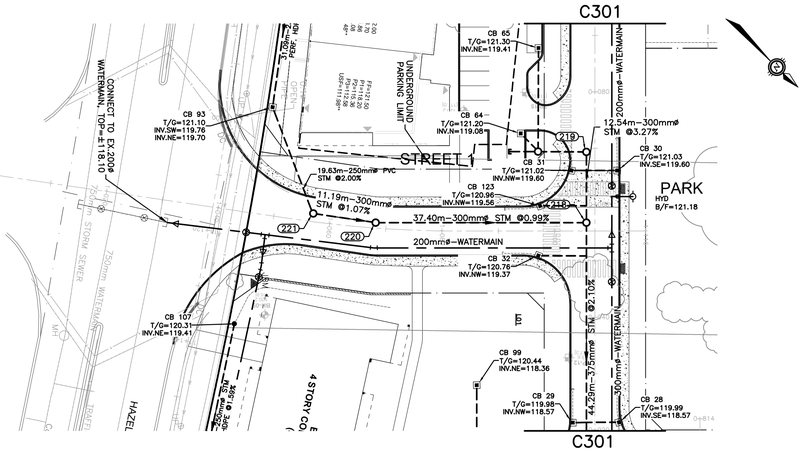
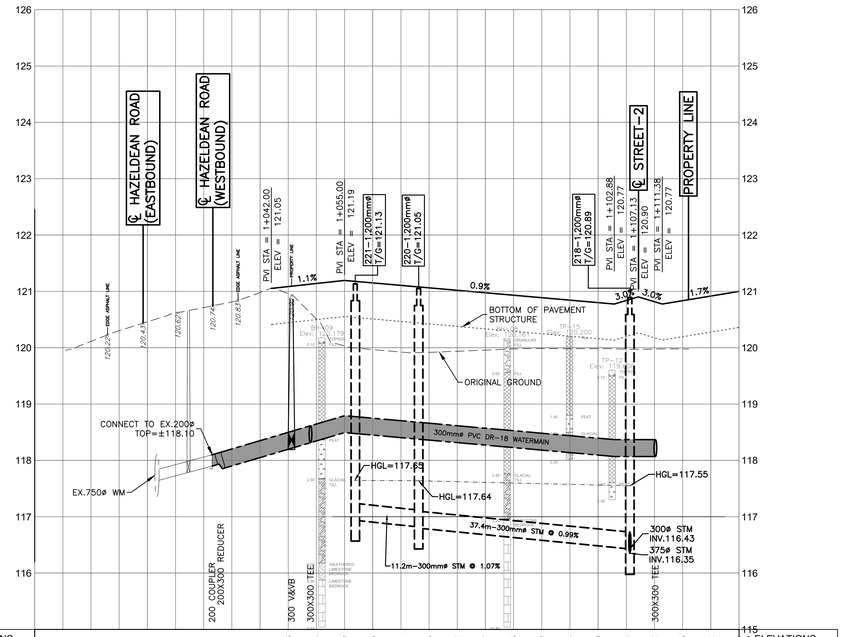
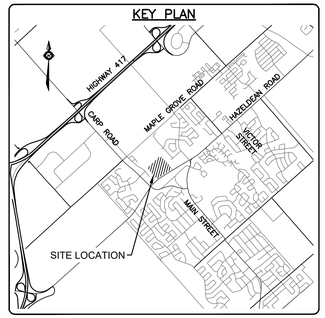
Scale: 1:500 Full Size
References: _xref-TITLdwg; _xref-SP.dwg; _xref-FMW_Topo.dwg; _xref-BASE.dwg; _xref-GRADING.dwg; _xref-PIPES.dwg; _xref-Test Hole Plan 2021-03-05.dwg; 258780 C-STMD.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg







LEGEND

- PROPERTY LINE
- SANITARY MH NUMBER
- 115 — PROPOSED SANITARY MH/SEWER
- STORM MH NUMBER
- 215 — PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK JBM▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50

NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN: SK
DESIGN: JLF
CHECKED: BMT
CAD: SK
PROJECT MANAGER: JLF
APPROVED: BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
PLAN AND PROFILE, STREET 1
STA.1+000 TO STA.1+125

PROJECT No.: 258780
SURVEY: Z38800-FMW
DATE: 24/07/20
DRAWING No.: C300

Filename: \\cnov\data\ott\ott-00258780-a00\60 execution\65 drawings\300 plan and profile, street 1 sta.1+000 to sta.1+125.dwg
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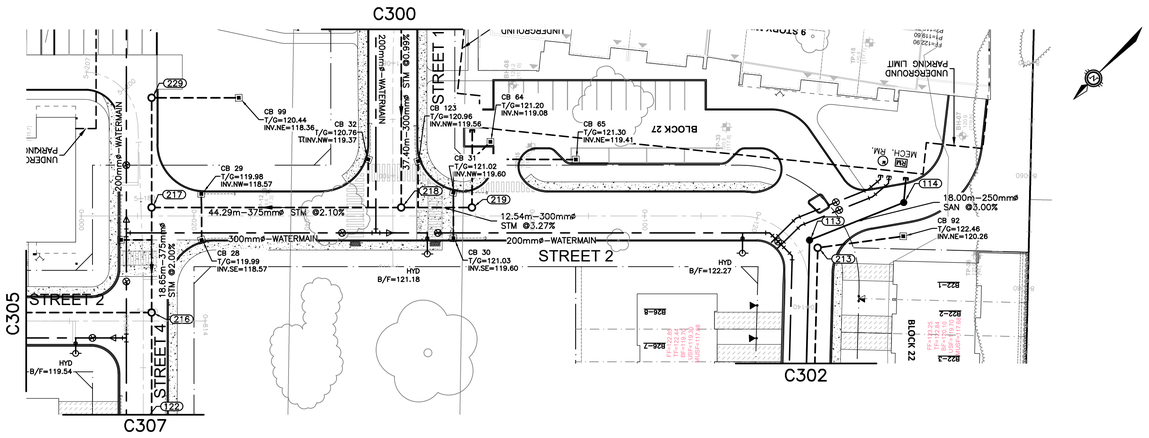
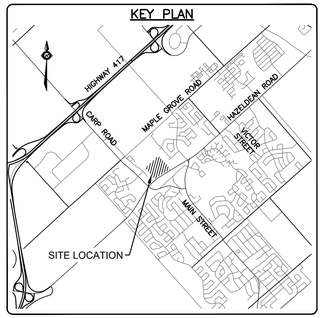
Xrefs: _xref-TTL.dwg; _xref-TMW_Topo.dwg; _xref-PIPES.dwg; _xref-SP.dwg; _xref-GRADING.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg; _xref-Test Hole Plan 2021-03-05.dwg

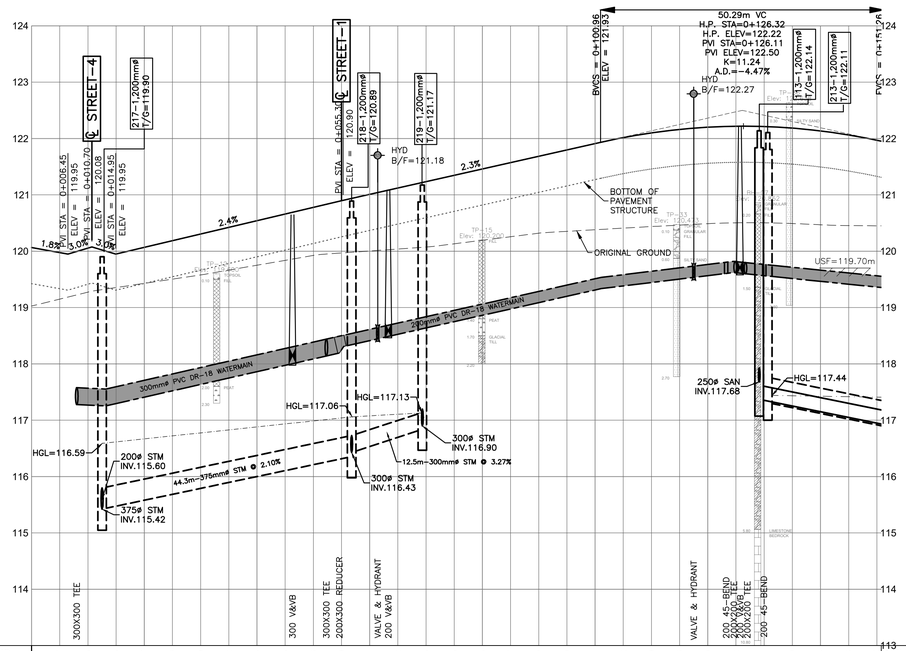


KEY PLAN



LEGEND

▬ ·· ▬ ·· ▬	PROPERTY LINE
115	SANITARY MH NUMBER
─●───	PROPOSED SANITARY MH/SEWER
215	STORM MH NUMBER
‐ ‐○‐ ‐ ‐ ‐	PROPOSED STORM MH/SEWER
── ‐ ── ‐ ──	PROPOSED WATERMAIN
▨	OUTSIDE PROPOSED DEVELOPMENT



Filename: \\exp\data\ott\ott-00258780-a0\60 execution\65 drawings\c300 plan and profile, street 1 sta.1+000 to sta.1+125.dwg
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Pen Table: exp-64.ctb
References: _xref-TTL.dwg; _xref-FMW_Topo.dwg; _xref-PIPES.dwg; _xref-SP.dwg; _xref-GRADING.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg; _xref-Test Hole Plan 2021-03-05.dwg

CAUTION

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JOB BENCH MARK

JBM ▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.

TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD	REV	REVISION DESCRIPTION	DATE	BY	APPD
					2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
					1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE
0 5m 10m 20m
HORIZONTAL 1:500
VERTICAL 1:50

NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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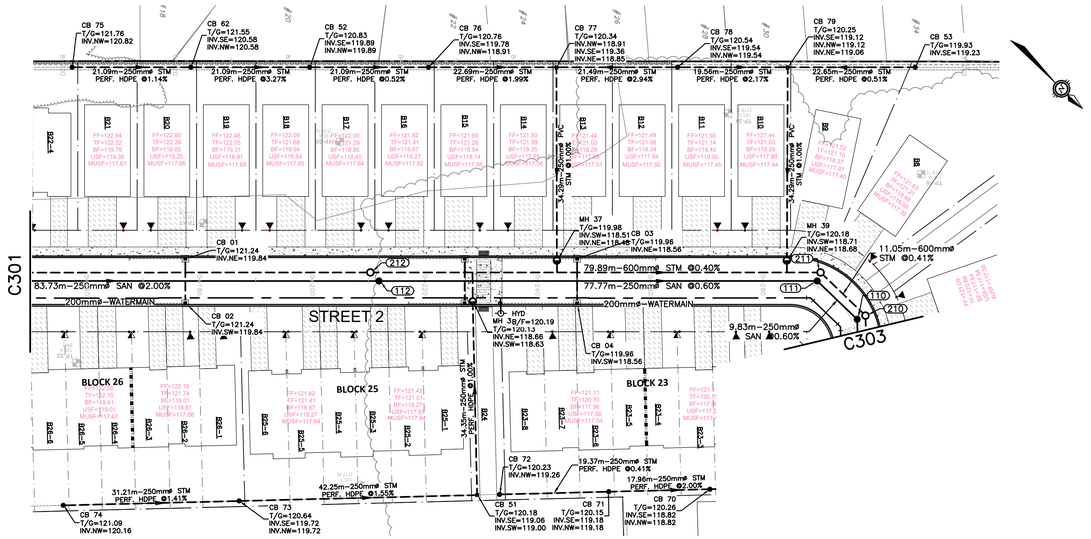
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

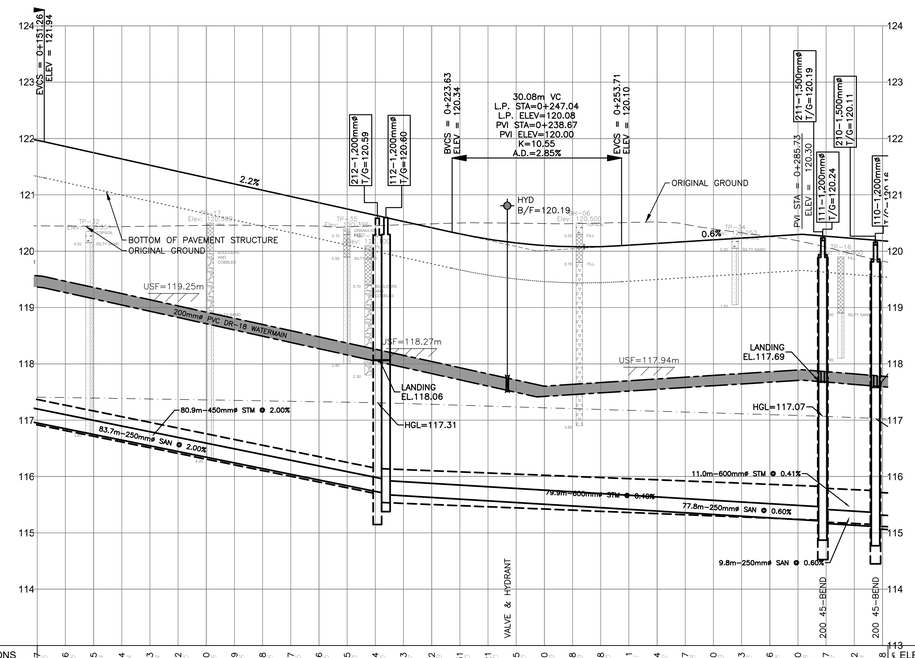
BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

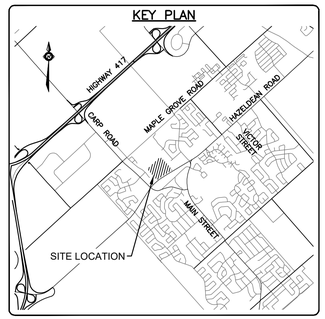
TITLE
PLAN AND PROFILE, STREET 2
STA.0+000 TO STA.0+150

PROJECT No.	258780
SURVEY	Z38800–FMW
DATE	24/07/20
DRAWING No.	C301





℄ ELEVATIONS PROPOSED / EXISTING	121.97	121.86	121.75	121.64	121.53	121.42	121.30	121.19	121.08	120.97	120.86	120.75	120.64	120.53	120.42	120.31	120.21	120.15	120.10	120.08	120.08	120.11	120.14	120.17	120.20	120.23	120.26	120.30	120.27	120.22	120.18	℄ ELEVATIONS PROPOSED / EXISTING
TOP OF WATERMAIN ELEVATION		119.36					118.92				118.48				118.04		117.75		117.60				117.73				117.86		117.87		117.78 / 117.78	TOP OF WATERMAIN ELEVATION
STORM SEWER INVERTS		80.9m–450mmø CONCRETE PIPES 100–D STM @ 2.00%											115.69 / 115.61								79.9m–600mmø CONCRETE 100–D STM @ 0.40%							11.0m–600mmø CONCRETE 100–D STM @ 0.41%			115.15 / 115.12	STORM SEWER INVERTS
SANITARY SEWER INVERTS		83.7m–250 PVC DR–35 SAN @ 2.00%											115.70 / 115.68								77.8m–250 PVC DR–35 SAN @ 0.60%							9.8m–250 PVC DR–35 SAN @ 0.60%			115.11 / 115.07	SANITARY SEWER INVERTS
CHAINAGE		0+160					0+180				0+200		0+210.4 / 0+211.9		0+220		0+233.4		0+240				0+260				0+280		0+289.4		0+298.8 / 0+300	CHAINAGE



LEGEND

- PROPERTY LINE
- SANITARY MH NUMBER (115) / PROPOSED SANITARY MH/SEWER
- STORM MH NUMBER (215) / PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION

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JOB BENCH MARK

JBM ▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.

TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
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BASEPLAN: SK
DESIGN: JLF
CHECKED: BMT
CAD: SK
PROJECT MANAGER: JLF
APPROVED: BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: PLAN AND PROFILE, STREET 2
STA.0+150 TO STA.0+300

PROJECT No.: 258780
SURVEY: Z38800–FMW
DATE: 24/07/20
DRAWING No.: C302

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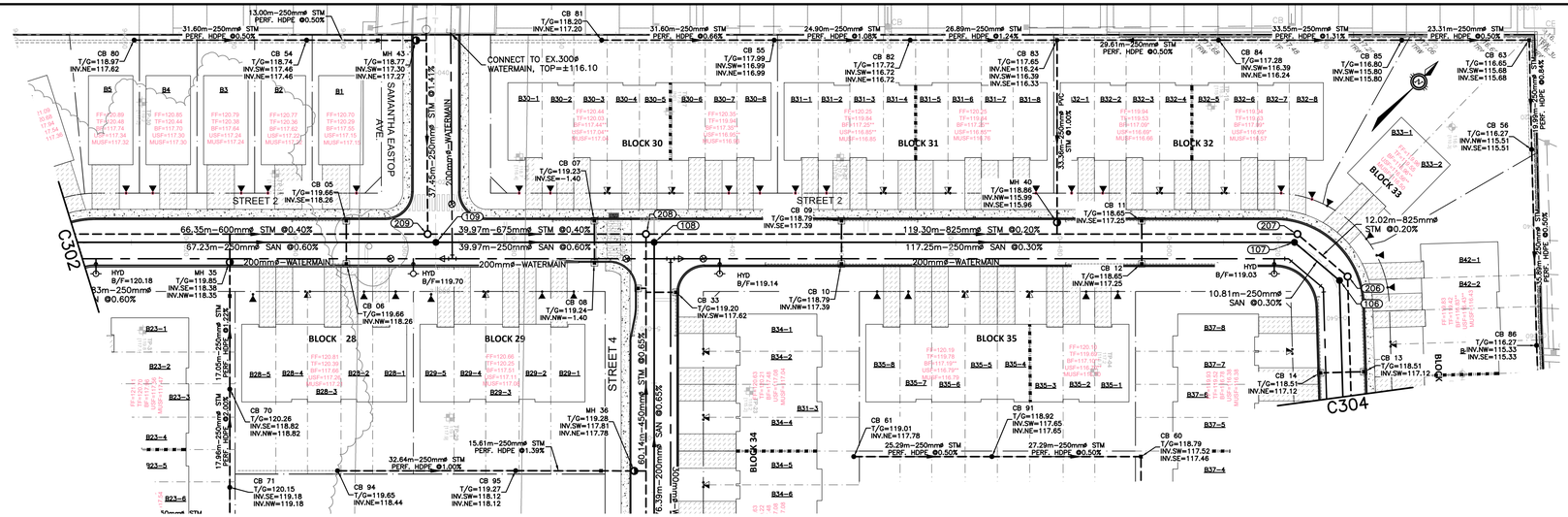
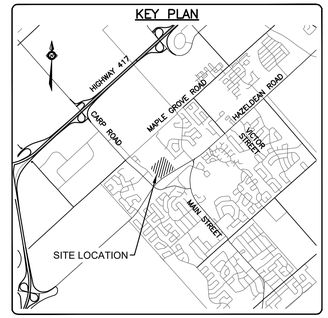
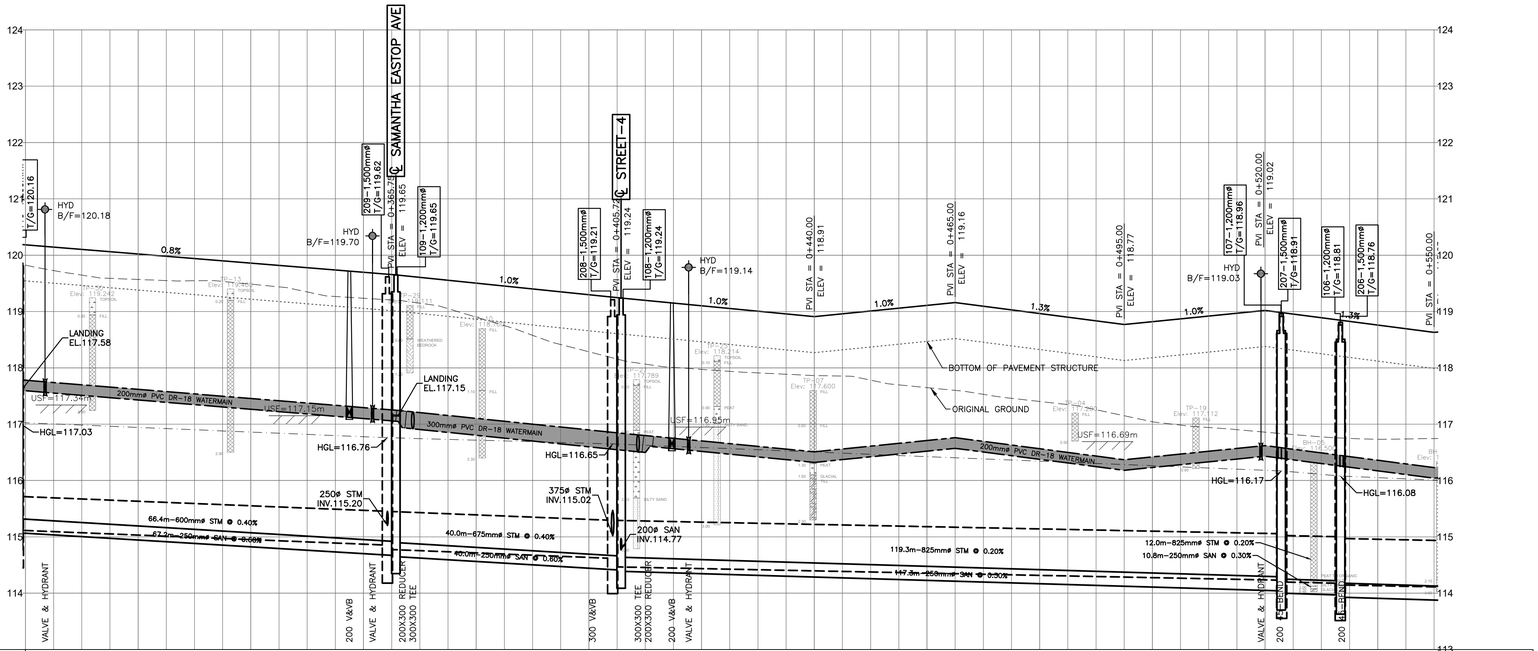
Xrefs: ...\ref-TTL.dwg ...\ref-PWK_Topo.dwg ...\ref-PIPES.dwg ...\ref-SP.dwg ...\ref-GRADING.dwg ...\ref-PROFILES-GEOTECH BLOCK.dwg ...\ref-Test Hole Plan 2021-03-05.dwg





LEGEND

- PROPERTY LINE
- SANITARY MH NUMBER
- 115 — PROPOSED SANITARY MH/SEWER
- STORM MH NUMBER
- 215 — PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT



℄ ELEVATIONS PROPOSED / EXISTING	120.16 / 120.18	120.14	120.10	120.06	120.02	119.98	119.94	119.90	119.86	119.82	119.78	119.74	119.70	119.66	119.61	119.55	119.50	119.45	119.40	119.35	119.30	119.25	119.20	119.15	119.10	119.05	119.01	118.96	118.91	118.86	118.91	119.01	119.06	119.11	119.16	119.09	119.03	118.90	118.83	118.77	118.82	118.87	118.92	118.97	119.02	118.95	118.89	118.82	118.76	118.69	118.63	℄ ELEVATIONS PROPOSED / EXISTING
TOP OF WATERMAIN ELEVATION	117.78	117.75		117.62		117.46				117.32	117.29	117.28		117.24	117.22		117.10				116.89	116.89	116.81	116.79	116.75	116.72	116.70		116.51				116.56		116.71				116.42							116.61	116.62	116.59		116.44		116.36			TOP OF WATERMAIN ELEVATION
STORM SEWER INVERTS			66.4m–600mmø CONCRETE 100–D STM @ 0.40%										14.98	14.88			40.0m–675mmø CONCRETE 100–D STM @ 0.40%					14.62	14.47							119.3m–825mmø CONCRETE 100–D STM @ 0.20%													12.0m–825mmø CONCRETE 100–D STM @ 0.20%			14.43	14.20		14.18	14.10				STORM SEWER INVERTS
SANITARY SEWER INVERTS			67.2m–250 PVC DR–35 SAN @ 0.60%										14.67	14.65			40.0m–250 PVC DR–35 SAN @ 0.60%					14.41	14.39							117.3m–250 PVC DR–35 SAN @ 0.30%													10.8m–250 PVC DR–35 SAN @ 0.30%			14.00	14.03		13.97	13.93				SANITARY SEWER INVERTS
CHAINAGE	0+300	0+303.5		0+320		0+340				0+357.5	0+360	0+361.6	0+364.2	0+365.74	0+368.9	0+368.8	0+380				0+400.6	0+404.2	0+405.74	0+408.7	0+410.5	0+414.7	0+417.7	0+420	0+440				0+460		0+480				0+500							0+519.3	0+520	0+522.6		0+533.6		0+540			CHAINAGE

CAUTION

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JOB BENCH MARK

JBM ▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50
NORTH
DESIGNED BY
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: PLAN AND PROFILE, STREET 2
STA.0+300 TO STA.0+550

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C303

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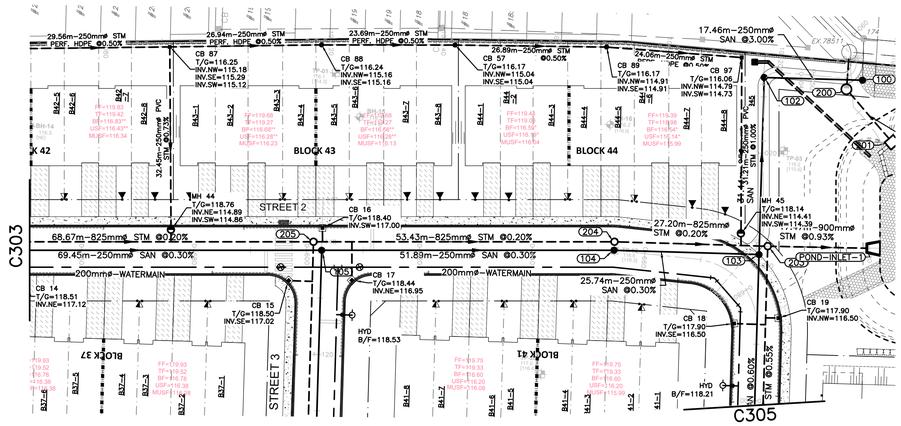
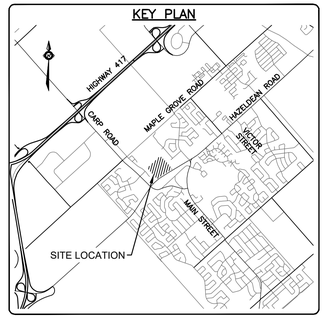
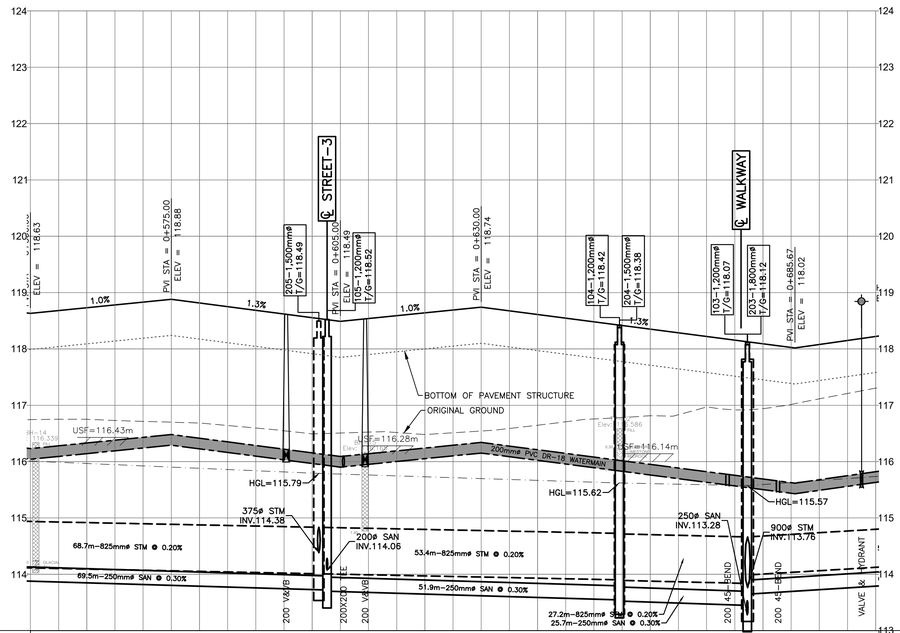
Last Saved: 5/4/2022 3:27:55 PM Last Plotted: 5/12/2022 10:40:10 AM Plotted by: bufters
Xrefs: ...\xref-TITL.dwg; ...\xref-FMW_Topo.dwg; ...\xref-PIPES.dwg; ...\xref-SP.dwg; ...\xref-GRADING.dwg; ...\xref-PROFILES-GEOTECH BLOCK.dwg; ...\xref-Test Hole Plan 2021-03-05.dwg





LEGEND

- PROPERTY LINE
- SANITARY MH NUMBER (115) — PROPOSED SANITARY MH/SEWER
- STORM MH NUMBER (215) — PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT



℄ ELEVATIONS PROPOSED / EXISTING	116.63 /	118.68 /	118.73 /	118.78 /	118.83 /	118.88 /	118.81 /	118.75 /	118.68 /	118.62 /	118.55 /	118.49 /	118.54 /	118.59 /	118.64 /	118.69 /	118.74 /	118.68 /	118.61 /	118.55 /	118.48 /	118.42 /	118.35 /	118.29 /	118.22 /	118.16 /	118.09 /	118.03 /	118.08 /	118.15 /	118.22 /	℄ ELEVATIONS PROPOSED / EXISTING
TOP OF WATERMAIN ELEVATION			116.33				116.41			116.22	116.15	116.10	116.13		116.24				116.21				115.95			115.77	115.69	115.66		115.79	115.82	TOP OF WATERMAIN ELEVATION
STORM SEWER INVERTS		68.7m–825mmø CONCRETE 100–D STM @ 0.20%									114.01 / 114.01				53.4m–825mmø CONCRETE 100–D STM @ 0.20%							113.90 / 113.90	27.2m–825mmø CONCRETE 100–D STM @ 0.20%		113.84 / 113.84				59 CON S		STORM SEWER INVERTS
SANITARY SEWER INVERTS		69.5m–250 PVC DR–35 SAN @ 0.30%									113.72 / 113.72				51.9m–250 PVC DR–35 SAN @ 0.30%							113.54 / 113.54	25.7m–250 PVC DR–35 SAN @ 0.30%		113.45 / 113.45						SANITARY SEWER INVERTS
CHAINAGE	0+560					0+580				0+595.4	0+600 / 0+602.6	0+605.6	0+609.4		0+620				0+640			0+654.5	0+660			0+673.7	0+677.2 / 0+680	0+682.7			0+697.5 / 0+700	CHAINAGE

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK JBM ▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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Ottawa, ON K2B 8H6
Canada
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

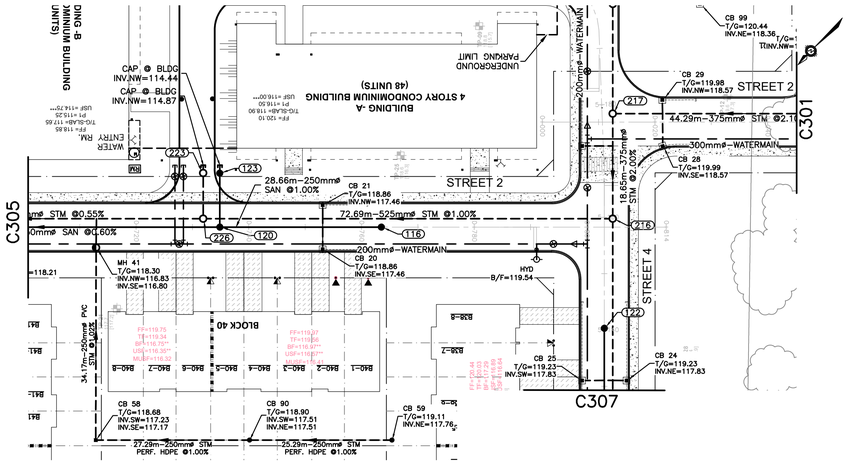
BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

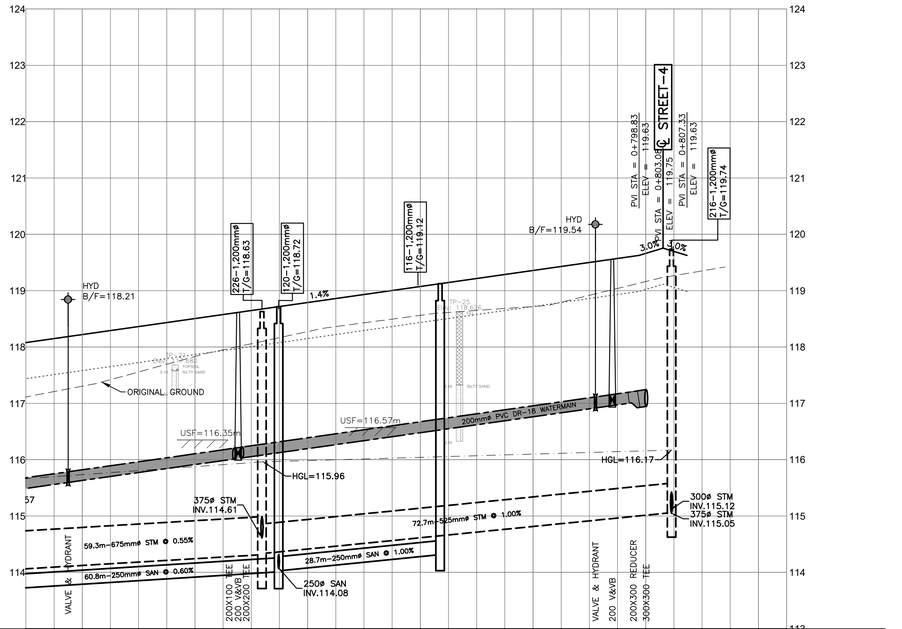
PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: PLAN AND PROFILE, STREET 2
STA.0+550 TO STA.0+700

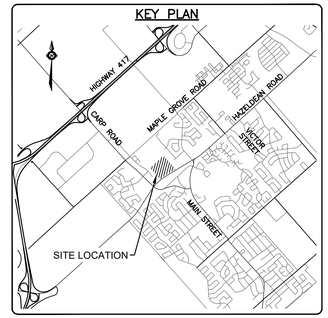
PROJECT No.	258780
SURVEY	Z38800–FMW
DATE	24/07/20
DRAWING No.	C304

Filename: \\exp\data\ott\projects\OTT-00258780-d0\60 execution\65 drawings\300 plan and profile, street 1 sta.1+000 to sta.1+125.dwg
Last Saved: 5/12/2022 3:27:55 PM Last Plotted: 5/12/2022 10:41:04 AM Plotted by: tcohen
References: _xref-TTL.dwg; _xref-TMW_Topo.dwg; _xref-PIPES.dwg; _xref-SP.dwg; _xref-GRADING.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg; _xref-Test Hole Plan 2021-03-05.dwg





℄ ELEVATIONS PROPOSED *EXISTING*	118.00	118.15	118.22	118.29	118.36	118.43	118.51	118.58	118.65	118.72	118.79	118.86	118.93	119.00	119.07	119.15	119.22	119.29	119.36	119.43	119.50	119.57	119.66	119.70	119.77	119.84	℄ ELEVATIONS PROPOSED *EXISTING*
TOP OF WATERMAIN ELEVATION		115.79	115.82				116.10	116.20	116.21	116.22	116.39				116.67				116.96		117.11	117.16	117.21	117.24			TOP OF WATERMAIN ELEVATION
STORM SEWER INVERTS		59.3m–675mmø CONCRETE 100–D STM @ 0.55%							114.31	114.33					72.7m–525mmø CONCRETE 100–D STM @ 1.00%								115.06				STORM SEWER INVERTS
SANITARY SEWER INVERTS		60.8m–250 PVC DR–35 SAN @ 0.60%							114.01	114.03	28.7m–250 PVC DR–35 SAN @ 1.00%				114.31												SANITARY SEWER INVERTS
CHAINAGE		0+697.5	0+700				0+720	0+726.9	0+727.6	0+728.4	0+731.9	0+734.9	0+740		0+760				0+780		0+791.1	0+794.1	0+797.8	0+800	5+159.8	0+820	0+825	CHAINAGE



LEGEND

- PROPERTY LINE
- 115 — SANITARY MH NUMBER; PROPOSED SANITARY MH/SEWER
- 215 — STORM MH NUMBER; PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK JBM▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
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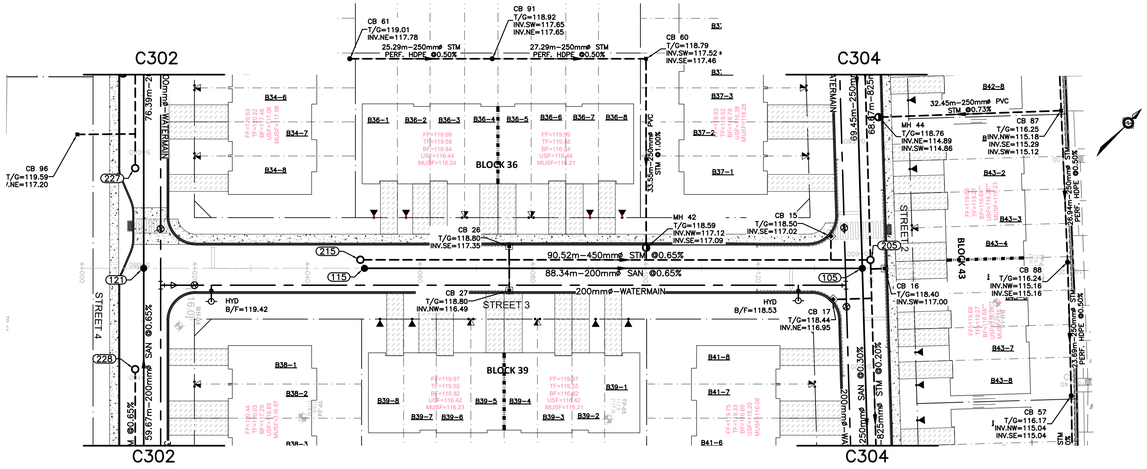
BASE/PLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

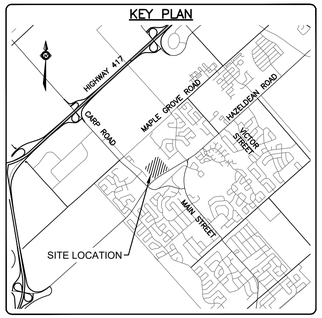
PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: PLAN AND PROFILE, STREET 2
STA.0+700 TO STA.0+810

PROJECT No.	258780
SURVEY	Z38800–FMW
DATE	24/07/20
DRAWING No.	C305

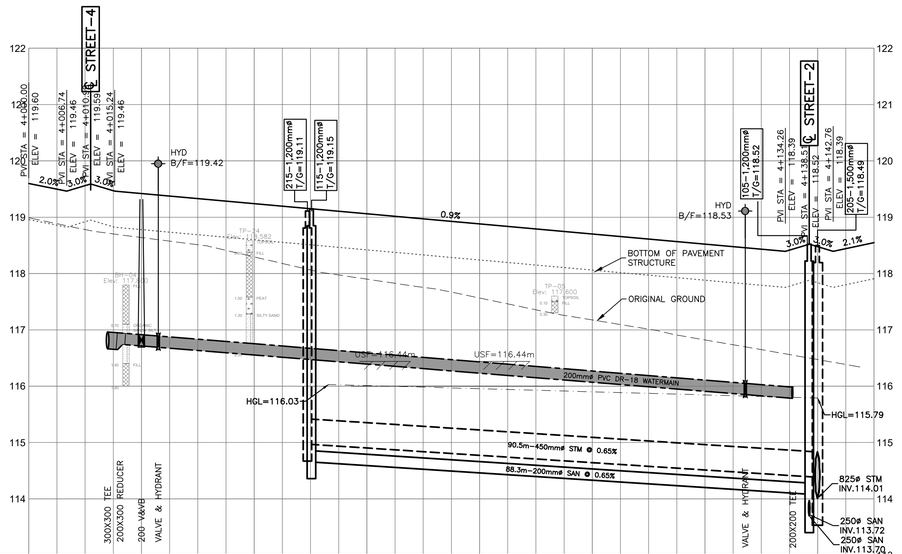
Filename: \\exp\data\ott\ott-00258780\v00\60 execution\05 drawings\c300 plan and profile, street 1 sta.1+000 to sta.1+125.dwg
Last Saved: 7/4/2022, 3:27:55 PM Last Plotted: 5/12/2022 10:41:48 AM Plotted by: bufiers
Xrefs: ..\ref-TTL.dwg; ..\ref-TWa_Topo.dwg; ..\ref-PIPES.dwg; ..\ref-SP.dwg; ..\ref-GRADING.dwg; ..\ref-PROFILES-GEOTECH BLOCK.dwg; ..\ref-Test Hole Plan 2021-03-05.dwg





LEGEND

—·—·—·—	PROPERTY LINE
115 —●—	SANITARY MH NUMBER PROPOSED SANITARY MH/SEWER
215 –○– – –	STORM MH NUMBER PROPOSED STORM MH/SEWER
—·—·—	PROPOSED WATERMAIN
▨	OUTSIDE PROPOSED DEVELOPMENT



℄ ELEVATIONS PROPOSED	119.60, 119.50, 119.56, 119.47, 119.42, 119.37, 119.33, 119.28, 119.24, 119.19, 119.15, 119.10, 119.06, 119.02, 118.97, 118.93, 118.88, 118.84, 118.79, 118.75, 118.70, 118.66, 118.61, 118.57, 118.52, 118.48, 118.43, 118.42, 118.48, 118.44, 118.55
EXISTING	118.99, 118.88, 118.78, 118.70, 118.64, 118.57, 118.51, 118.41, 118.30, 118.18, 118.06, 117.97, 117.90, 117.83, 117.75, 117.67, 117.57, 117.46, 117.36, 117.26, 117.18, 117.09, 117.01, 116.91, 116.82, 116.74, 116.65, 116.56, 116.47, 116.39
TOP OF WATERMAIN ELEVATION	116.96, 116.95, 116.92, 116.89, 116.75, 116.59, 116.43, 116.27, 116.11, 116.05, 115.98
STORM SEWER INVERTS	114.97 — 90.5m–450mmø CONCRETE PIPES 100–D STM @ 0.65% — 114.38
SANITARY SEWER INVERTS	114.66 — 88.3m–200 PVC DR–35 SAN @ 0.65% — 114.08
CHAINAGE	4+000, 4+014, 4+016.2, 4+020, 4+023, 4+040, 4+049.4, 4+050.2, 4+060, 4+080, 4+100, 4+120, 4+127.2, 4+135.6, 0+602.6, 0+604.2, 4+150

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK JBM ▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE
0 5m 10m 20m
HORIZONTAL 1:500
VERTICAL 1:50

NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

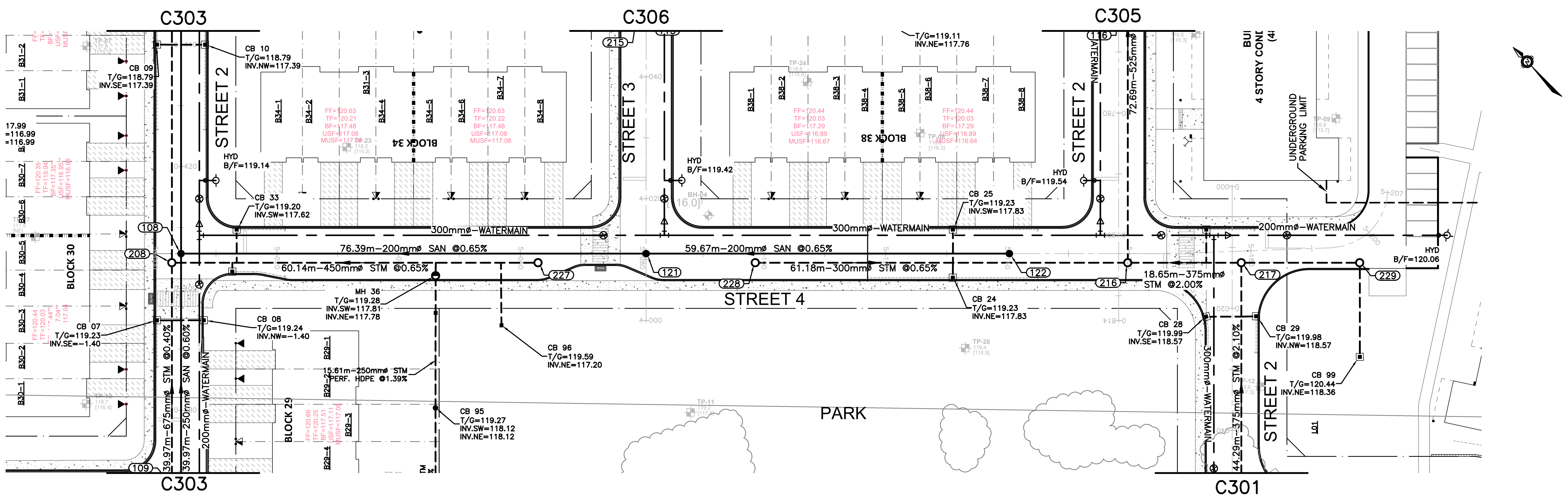
BASEPLAN SK
DESIGN JLF
CHECKED BMT
CAD SK
PROJECT MANAGER JLF
APPROVED BMT

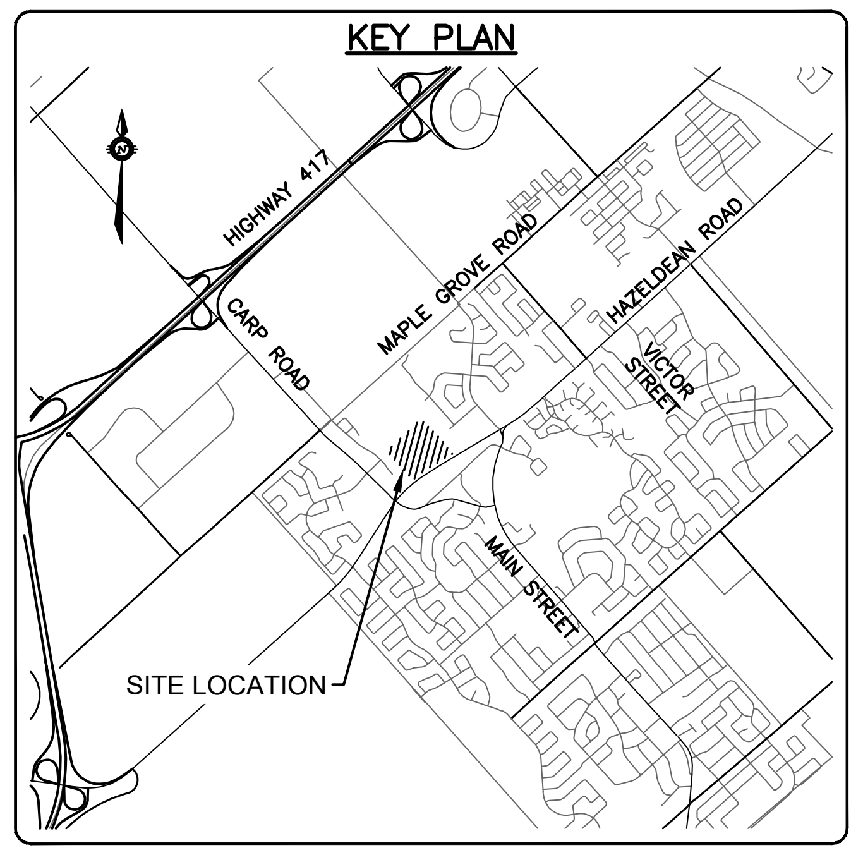
PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
PLAN AND PROFILE, STREET 3
STA.4+000 TO STA.4+150

PROJECT No. 258780
SURVEY Z38800–FMW
DATE 24/07/20
DRAWING No. C306

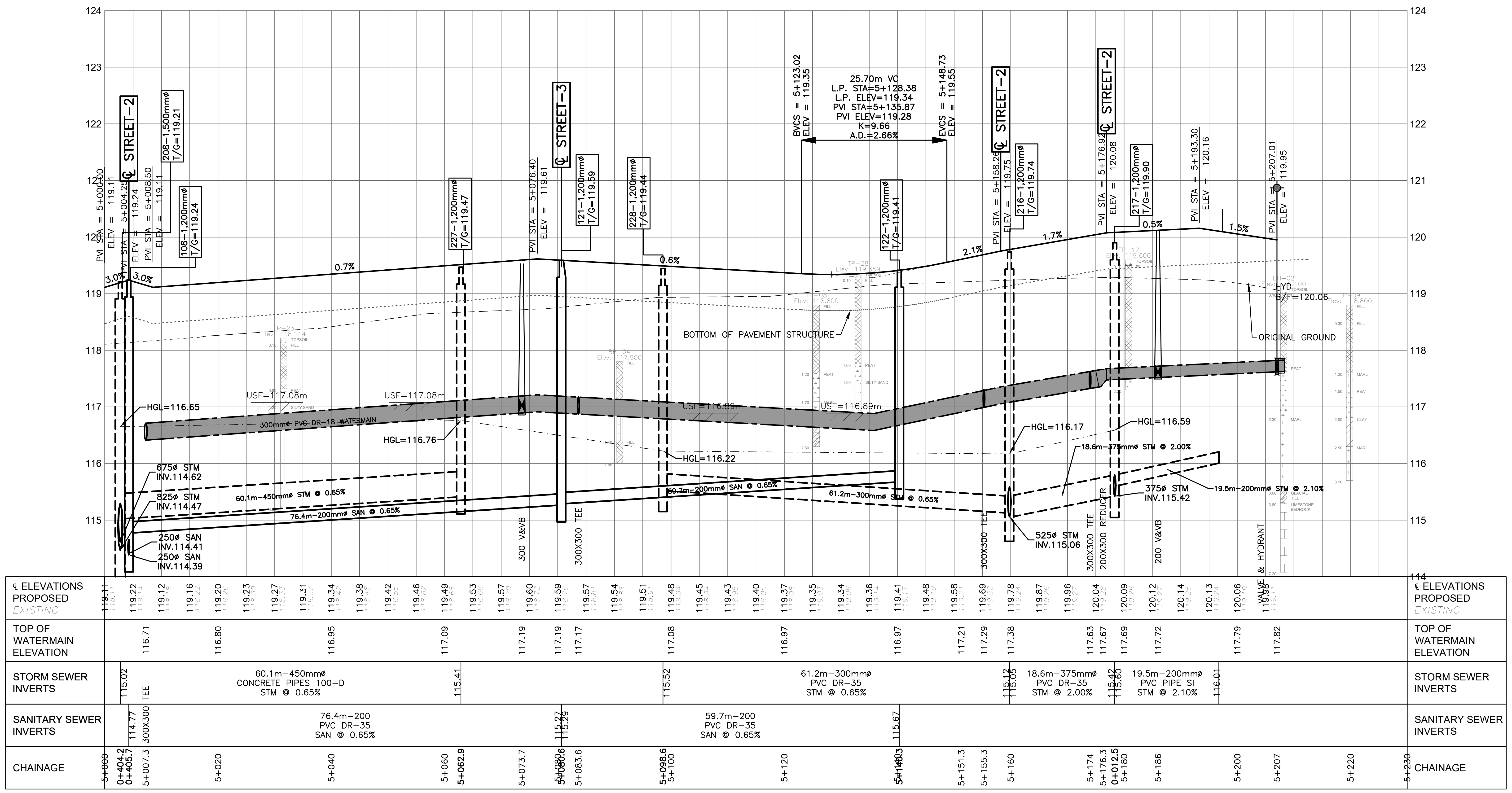
Filename: \\exp\data\ott\ott-00258780-a0\60 execution\65 drawings\c300 plan and profile, street 1 sta.1+000 to sta.1+125.dwg
Last Saved:5/4/2022 3:27:55 PM Last Plotted: 5/12/2022 10:42:23 AM Plotted by: butlers
Pen Table: exp-64.ctb
References: _xref-TTL.dwg; _xref-FMW_Topo.dwg; _xref-PIPES.dwg; _xref-SP.dwg; _xref-GRADING.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg; _xref-Test Hole Plan 2021-03-05.dwg





LEGEND

—‑‑—‑‑—	PROPERTY LINE
115 ●——	SANITARY MH NUMBER PROPOSED SANITARY MH/SEWER
215 ‑ ‑○‑ ‑ ‑	STORM MH NUMBER PROPOSED STORM MH/SEWER
—‑—‑—	PROPOSED WATERMAIN
▨	OUTSIDE PROPOSED DEVELOPMENT



CAUTION
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JOB BENCH MARK JBM ▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE
0 5m 10m 20m
HORIZONTAL 1:500
VERTICAL 1:50

NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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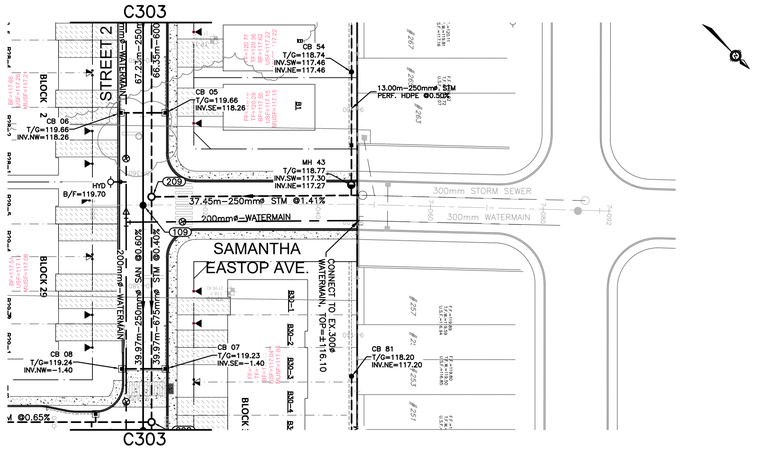
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

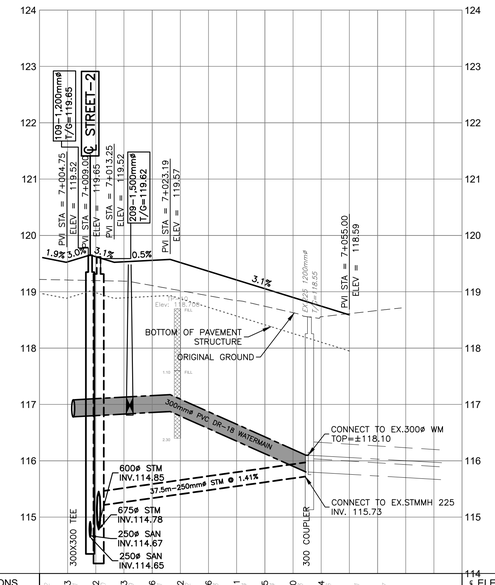
BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

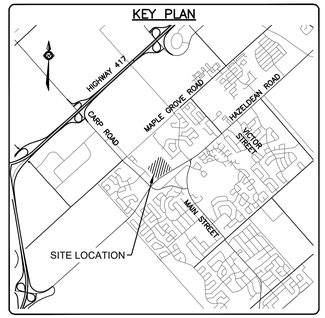
TITLE
PLAN AND PROFILE, STREET 4
STA.5+000 TO STA.5+200

PROJECT No.	258780
SURVEY	Z38800–FMW
DATE	24/07/20
DRAWING No.	C307





℄ ELEVATIONS PROPOSED *EXISTING*	118.57	119.53	119.62	119.53	119.56	119.52	119.36	119.21	119.05	118.90	118.74	118.67	118.67			℄ ELEVATIONS PROPOSED *EXISTING*
TOP OF WATERMAIN ELEVATION		117.08		117.14	117.16				116.43		116.10					TOP OF WATERMAIN ELEVATION
STORM SEWER INVERTS			115.20		37.5m–250mmø PVC DR–35 STM @ 1.41%						115.73					STORM SEWER INVERTS
SANITARY SEWER INVERTS				300 VΔ/B												SANITARY SEWER INVERTS
CHAINAGE	7+000	7+006	0+365.7 0+384.2	7+016	7+020				7+040	7+047.4		7+060		7+075		CHAINAGE



LEGEND

- PROPERTY LINE
- SANITARY MH NUMBER (115) / PROPOSED SANITARY MH/SEWER
- STORM MH NUMBER (215) / PROPOSED STORM MH/SEWER
- PROPOSED WATERMAIN
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

JOB BENCH MARK

JBM ▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR APPROVAL	05/12/22	SK	BMT
1	SUBMISSION NO.2	04/27/21	SK	BMT

SCALE: 0 5m 10m 20m — HORIZONTAL 1:500 — VERTICAL 1:50
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

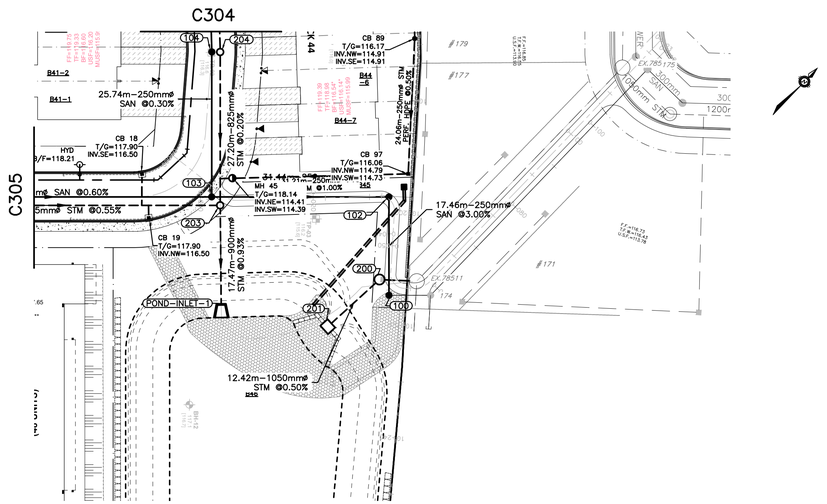
BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: PLAN AND PROFILE, SAMANTHA EASTOP, STA.7+000 TO STA.7+075

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C308

Plotted by: buters
References: _xref-TTL.dwg; _xref-TMW_Topo.dwg; _xref-PIPES.dwg; _xref-SP.dwg; _xref-GRADING.dwg; _xref-PROFILES-GEOTECH BLOCK.dwg; _xref-Test Hole Plan 2021-03-05.dwg


C304
C305
CB 89
T/G=116.17
INV.NW=114.91
INV.SE=114.91
25.74m–250mmø
SAN @0.30%
CB 18
T/G=117.90
INV.SE=116.50
HYD
B/F=118.21
27.20m–825mmø
STM @0.20%
CB 97
T/G=116.06
INV.NW=114.79
INV.SW=114.73
MH 45
T/G=118.14
INV.NE=114.41
INV.SW=114.39
17.46m–250mmø
SAN @3.00%
CB 19
T/G=117.90
INV.NW=116.50
17.47m–900mmø
STM @0.93%
POND–INLET–1
12.42m–1050mmø
STM @0.50%
24.06m–250mmø STM
PIPE @0.50%
EX.785175
EX.785111
EX.785112
EX.785113
EX.785114
EX.785115
EX.785116
EX.785117
EX.785118
EX.785119
EX.785120
EX.785121
EX.785122
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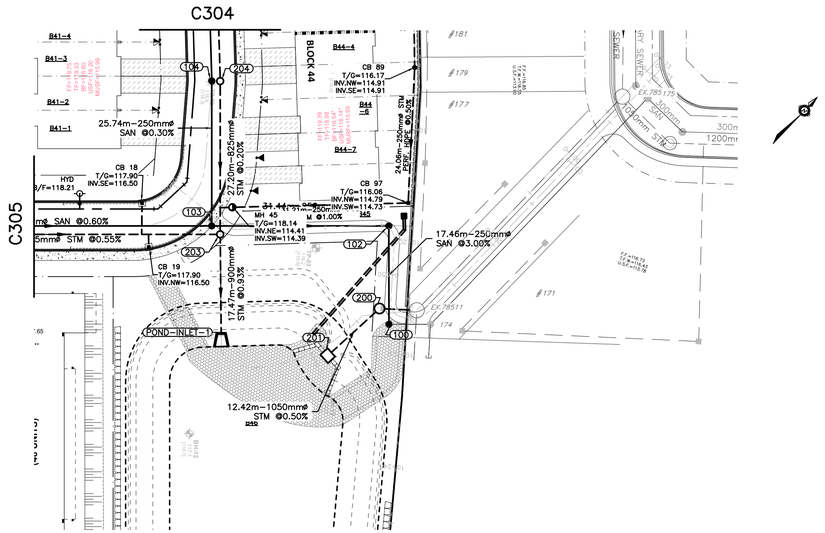
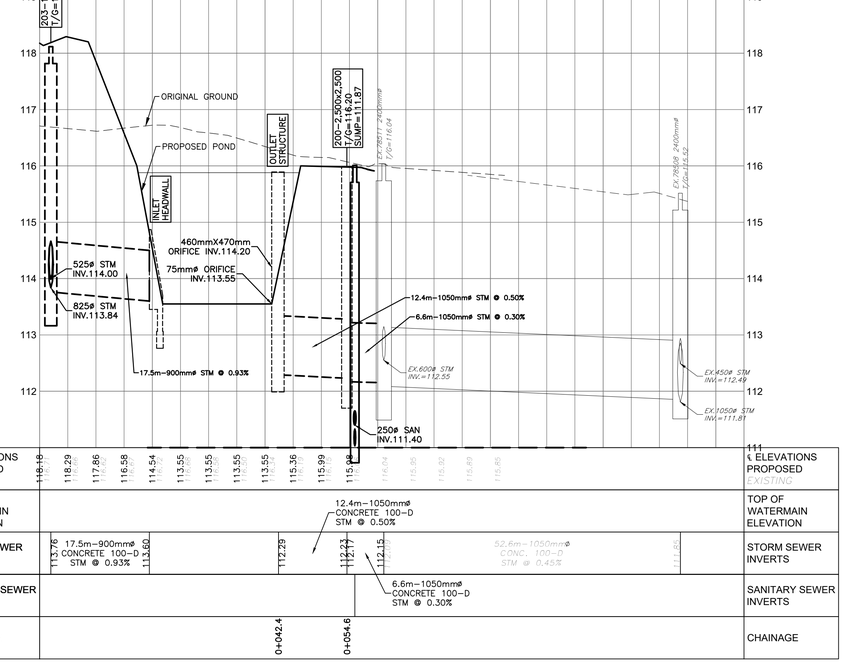
EX.785150





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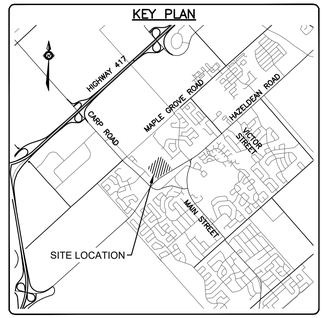

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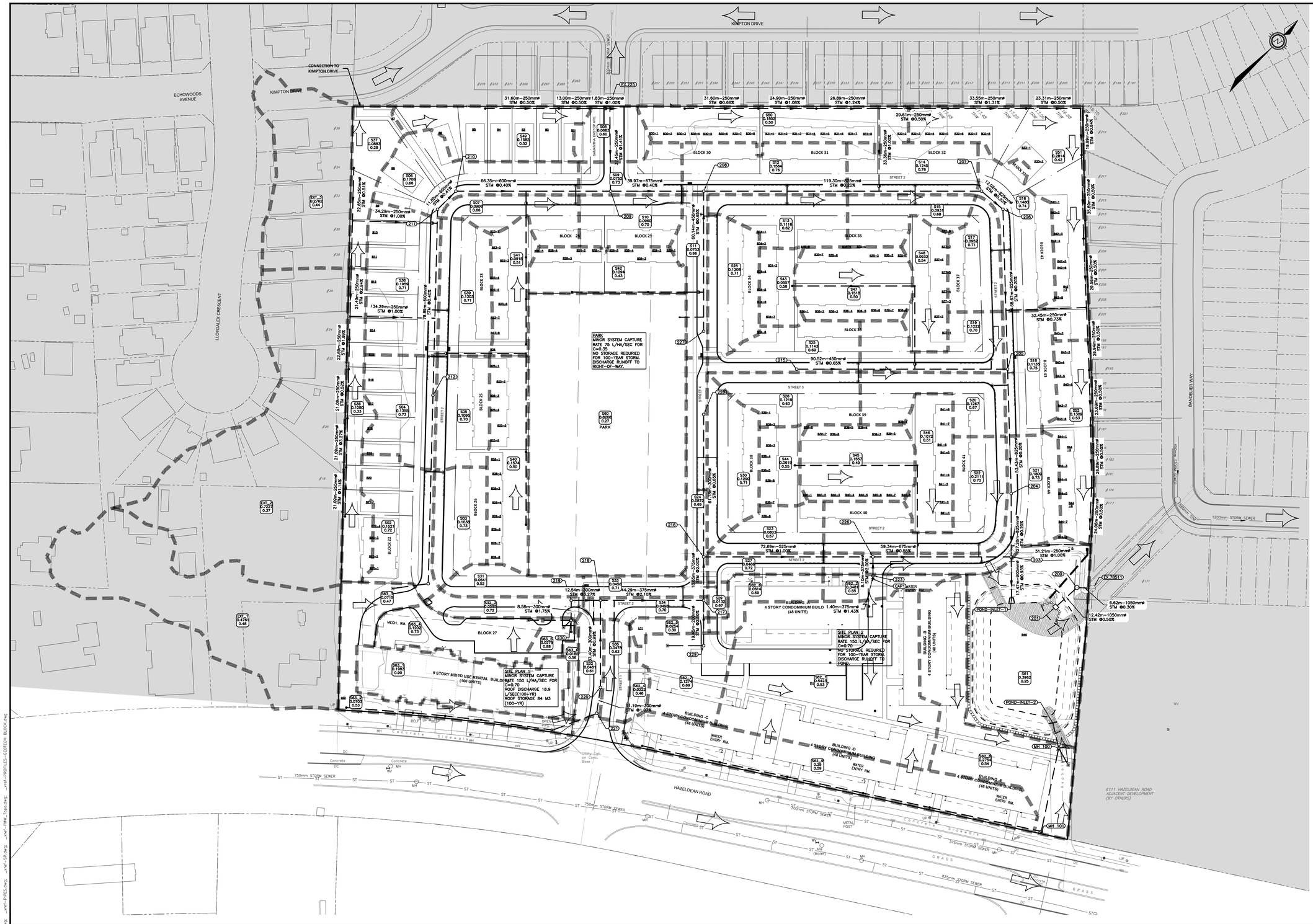

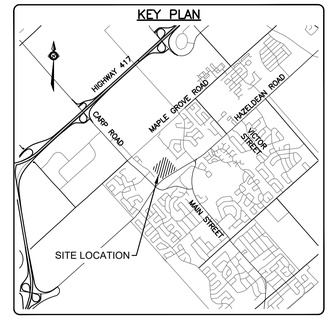

LEGEND

- PROPERTY LINE
- ONSITE OVERLAND FLOW ROUTE
- EXTERNAL OVERLAND FLOW ROUTE
- S01 / 0.184 / 0.79 — AREA NO / AREA IN HECTARES / RUNOFF COEFFICIENT
- CATCHMENT AREA
- 208 — STORM MH NUMBER
- PROPOSED STORM MH/SEWER
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION
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JOB BENCH MARK JBM ▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9.

REV	REVISION DESCRIPTION	DATE	BY	APPD
4	ISSUED FOR APPROVAL	05/12/22	SK	BMT
3	REVISED PER CITY COMMENTS	09/24/21	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE: 0 5m 10m 30m — HORIZONTAL 1:750
NORTH

DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: POST DEVELOPMENT STORM DRAINAGE PLAN

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C400

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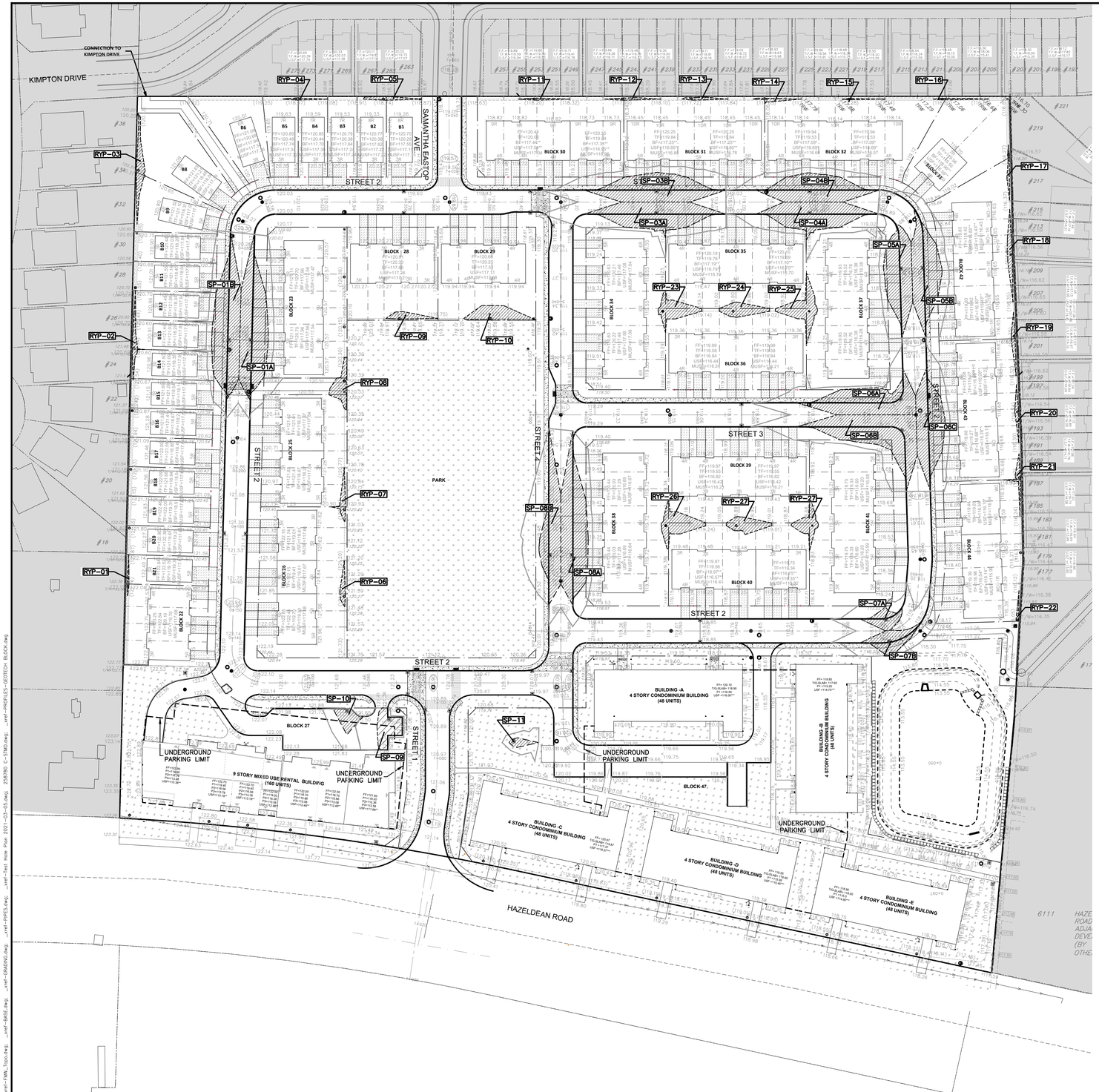
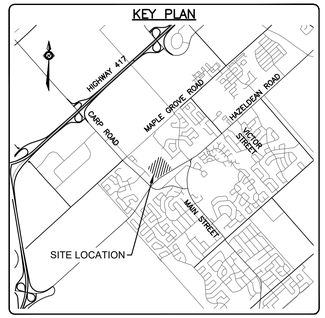


SURFACE PONDING AREA TABLE

PONDING AREA I.D.	STRUCTURE NO.	LOCATION	MINIMUM PONDING / TOP OF GRATE ELEVATION (m)	MAX STATIC PONDING ELEVATION (m)	PONDING AREA (m^2)	MAX STATIC PONDING DEPTH (m)	MAX PRISM VOLUME (m^3)
SP-01A	CB04	ROADWAY	119.95	120.17	410.7	0.22	30.1
SP-01B	CB03	ROADWAY	119.95	120.17	409.2	0.22	30.0
SP-03A	CB10	ROADWAY	118.78	119.03	328.4	0.25	27.4
SP-03B	CB09	ROADWAY	118.78	119.03	333.2	0.25	27.8
SP-04A	CB12	ROADWAY	118.64	118.89	288.0	0.25	24.0
SP-04B	CB11	ROADWAY	118.64	118.89	287.1	0.25	23.9
SP-05A	CB14	ROADWAY	118.50	118.75	278.9	0.25	23.2
SP-05B	CB13	ROADWAY	118.50	118.75	295.6	0.25	24.6
SP-06A	CB15	ROADWAY	118.35	118.61	354.5	0.26	30.7
SP-06B	CB17	ROADWAY	118.35	118.61	458.3	0.26	39.7
SP-06C	CB16	ROADWAY	118.35	118.61	285.5	0.26	24.7
SP-07A	CB18	ROADWAY	117.90	118.03	62.9	0.13	2.7
SP-07B	CB19	ROADWAY	117.90	118.03	100.5	0.13	4.4
SP-08A	CB25	ROADWAY	119.27	119.43	331.2	0.16	17.7
SP-08B	CB24	ROADWAY	119.27	119.43	218.4	0.16	11.6
SP-09	CB64	ROADWAY	121.20	121.36	86.3	0.16	4.6
SP-10	CB65	ROADWAY	121.30	121.50	49.1	0.20	3.3
SP-11	CB99	ROADWAY	120.24	120.34	20.1	0.10	0.7
RYP-01	CB75	REARYARD	121.76	121.87	-	-	-
RYP-02	CB77	REARYARD	120.34	120.55	-	-	-
RYP-03	CB53	REARYARD	119.93	120.20	-	-	-
RYP-04	CB80	REARYARD	118.97	119.08	-	-	-
RYP-05	CB54	REARYARD	118.74	118.87	-	-	-
RYP-06	CB74	REARYARD	121.08	121.20	-	-	-
RYP-07	CB73	REARYARD	120.63	120.77	-	-	-
RYP-08	CB72	REARYARD	120.17	120.30	-	-	-
RYP-09	CB94	REARYARD	119.58	119.75	-	-	-
RYP-10	CB95	REARYARD	119.13	119.42	-	-	-
RYP-11	CB81	REARYARD	118.20	118.32	-	-	-
RYP-12	CB55	REARYARD	117.99	118.10	-	-	-
RYP-13	CB82	REARYARD	117.72	117.84	-	-	-
RYP-14	CB83	REARYARD	117.65	117.78	-	-	-
RYP-15	CB84	REARYARD	117.60	117.76	-	-	-
RYP-16	CB85	REARYARD	117.54	117.70	-	-	-
RYP-17	CB56	REARYARD	116.27	116.37	-	-	-
RYP-18	CB86	REARYARD	116.27	116.35	-	-	-
RYP-19	CB87	REARYARD	116.25	116.32	-	-	-
RYP-20	CB88	REARYARD	116.24	116.30	-	-	-
RYP-21	CB57	REARYARD	117.13	117.26	-	-	-
RYP-22	CB97	REARYARD	117.01	117.15	-	-	-
RYP-23	CB61	REARYARD	119.01	119.14	-	-	-
RYP-24	CB91	REARYARD	118.90	119.02	-	-	-
RYP-25	CB60	REARYARD	118.79	119.98	-	-	-
RYP-26	CB59	REARYARD	119.11	119.24	-	-	-
RYP-27	CB90	REARYARD	118.89	119.01	-	-	-
RYP-28	CB58	REARYARD	118.68	118.83	-	-	-



LEGEND

EXISTING GROUND ELEVATION	X 100.00
℄ ROAD HIGH/LOW POINT ELEVATION	(100.00)
GROUND ELEVATION	X 100.00
SWALE ELEVATION	X (100.00)
TOP OF GRATE ELEVATION	T/G=100.00
TOP OF WALL ELEVATION	X 100.00 T/W
BOTTOM OF WALL ELEVATION	X 100.00 B/W
FINISHED FLOOR ELEVATION	FF=100.00
TOP OF FOUNDATION ELEVATION	TF=100.00
BASEMENT FLOOR ELEVATION	BF=100.00
PARKING LEVEL ELEVATION	P1=100.00
UNDERSIDE OF FOOTING ELEVATION	USF=100.00
ORIGINAL GROUND ELEVATION	OG=100.00
TOP OF ROCK ELEVATION	T/ROCK=100.00
EXISTING CONTOURS	100.00
SLOPE AND DIRECTION OF FLOW	2.0%
MAJOR OVERLAND FLOW ROUTE	
SURFACE PONDING AREA	
DYNAMIC PONDING LIMIT	

NOTE:

* DENOTES 8 FOOT HIGH BASEMENT
** DENOTES 8.5 FOOT HIGH BASEMENT
*** REFER TO STRUCTURAL DRAWING FOR THE USF

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JOB BENCH MARK JBM ▲
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NORTHING=5014575.29 EASTING=349007.23

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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE 0 5m 10m 30m HORIZONTAL 1:750
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
POST DEVELOPMENT PONDING PLAN

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C401

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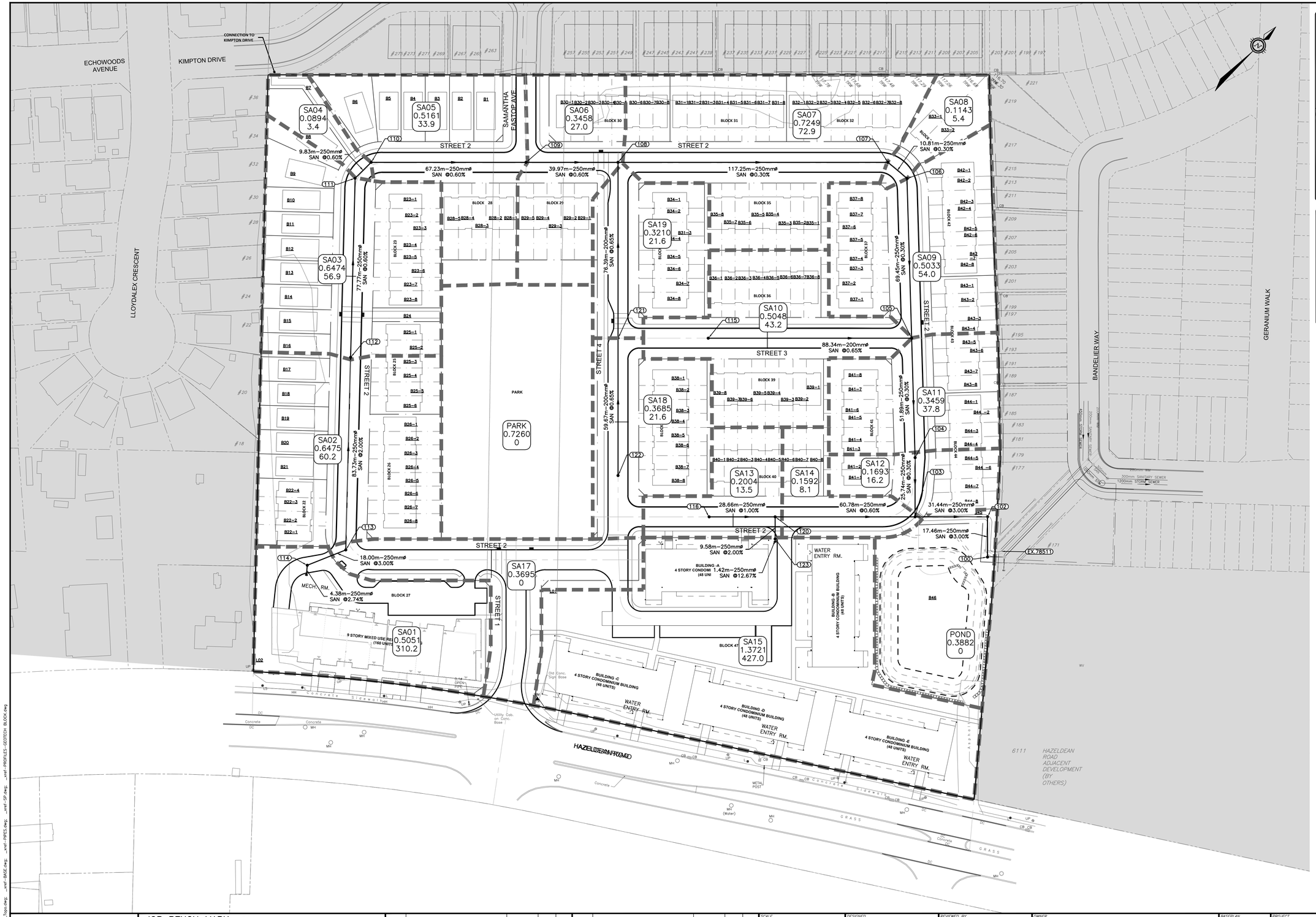

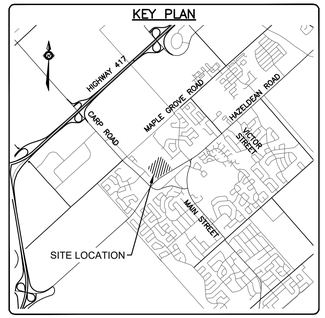

LEGEND

- PROPERTY LINE
- 1 / 0.5801 / 68.0 — AREA NO / AREA IN Ha / POPULATION
- SANITARY DRAINAGE AREA
- 103 — SANITARY MH NUMBER
- PROPOSED SANITARY MH/SEWER
- OUTSIDE PROPOSED DEVELOPMENT

CAUTION

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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9.

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SCALE: 0 5m 10m 30m — HORIZONTAL 1:750
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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
SANITARY DRAINAGE PLAN

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C500

Plan(name):\\exp\data\vol1\ott-02035858\cad\00 cad\dwg\C500 sanitary.dwg
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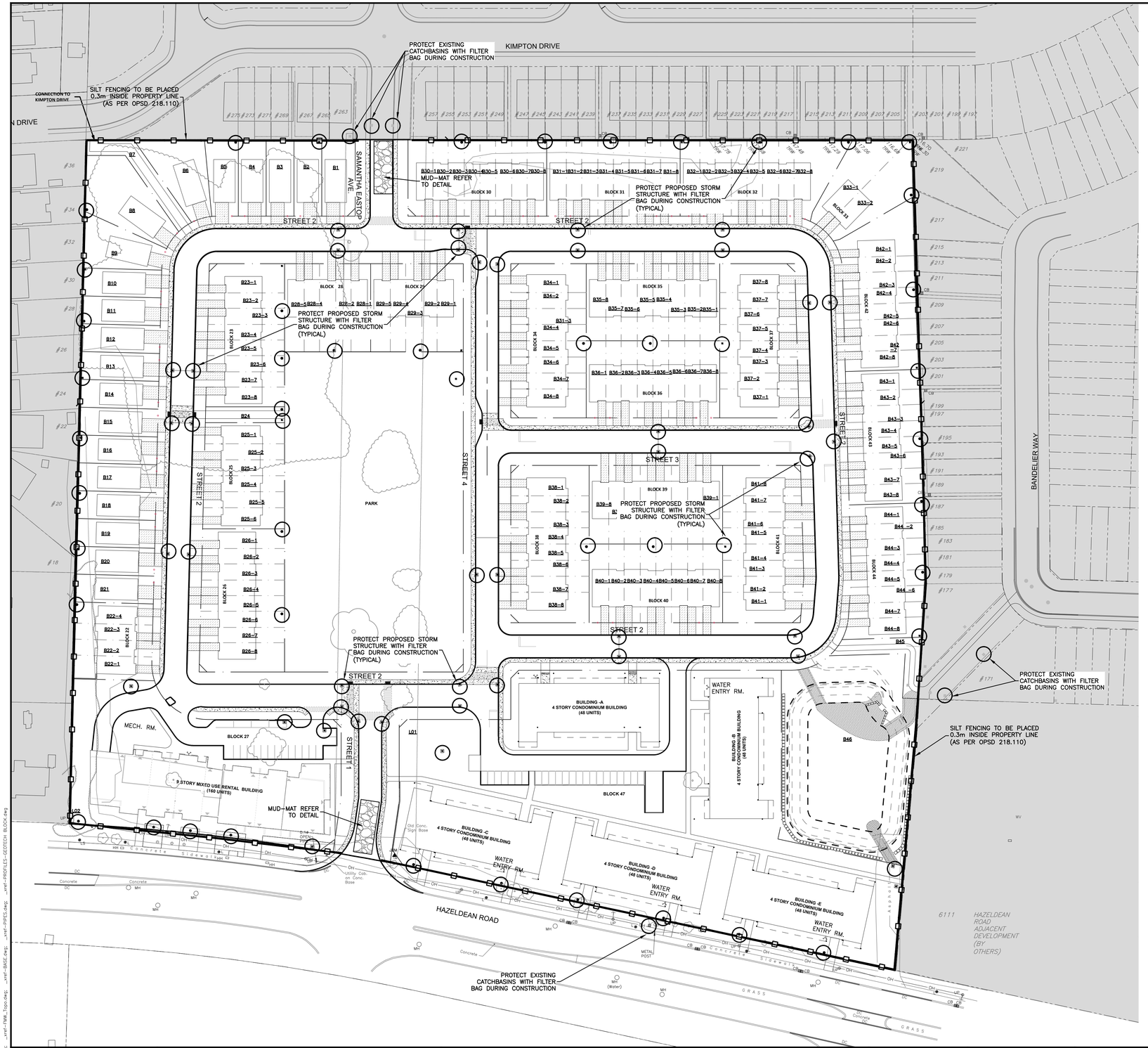


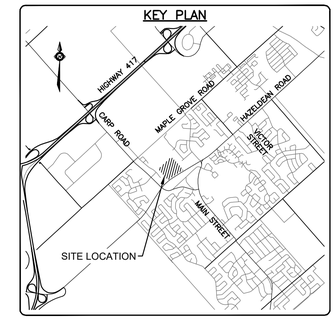
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. INSTALLATION OF FILTER BAG BETWEEN FRAME AND COVER ON ALL EXISTING AND PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
5. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING. SILT FENCING TO INSTALLED PRIOR TO COMMENCING EARTHWORKS.
6. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
7. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
8. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIRMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
11. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.
12. FILTER BAGS IN ROADWAY CATCHBASINS TO REMAIN UNTIL BASE COURSE ASPHALT IS PLACED. FILTER BAGS IN REAR YARD CATCHBASINS TO REMAIN UNTIL SOD IS PLACED.

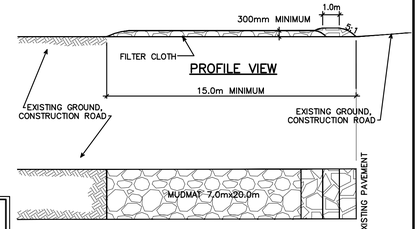
NOTE: CBE & CBT

1. STRUCTURE TO BE LEFT AT 0.5m ABOVE GRADE AND PROTECTED WITH FILTER CLOTH COVERING AND CUT DOWN TO FINAL GRADE, DURING FINAL GRADE AND SODDING.



LEGEND

- PROPERTY LINE
- SILT FENCE
- OUTSIDE PROPOSED DEVELOPMENT



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
LIGHT-DUTY SILT FENCE BARRIER		OPSD 219.110

NOTES:

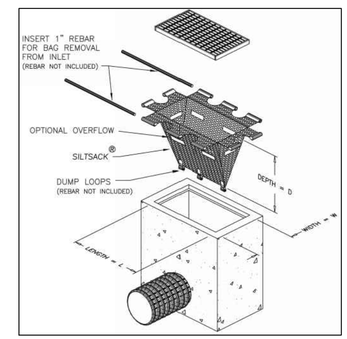
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
7. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.

NOTES:

1. STONE – USE CLEAR CRUSHED 100mm STONE.
2. LENGTH – AS REQUIRED BUT NOT LESS THAN 15.0m.
3. THICKNESS – NOT LESS THAN 300mm.
4. WIDTH – 7.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL

N.T.S



PROVIDE FILTER BAGS AS SHOWN (GEO-SYNTHETICS MANUFACTURER OR APPROVED EQUIVALENT)

FILTER BAG DETAIL

N.T.S

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PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
3	ISSUED FOR APPROVAL	05/12/22	SK	BMT
2	SUBMISSION NO.2	04/27/21	SK	BMT
1	SUBMISSION NO.1	04/08/20	SK	BMT

SCALE: 0 5m 10m 30m — HORIZONTAL 1:750
NORTH
DESIGNED BY
REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

exp Services Inc.
T: +1 613 688 1899 | T: +1 613 225 7330
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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C600

Filename: \\exp\data\ott\sh\0258780-00\60 execution\05 drawings\600 erosion.dwg
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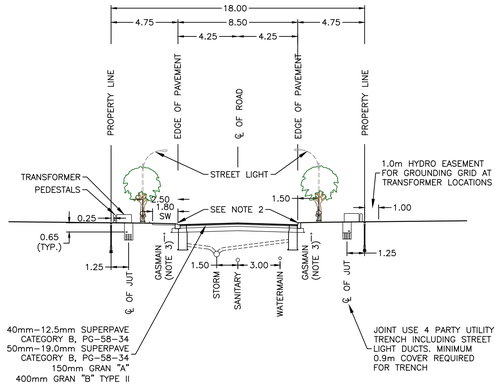
References: ...\xref-TML.dwg ...\xref-SP.dwg ...\xref-TML_Topo.dwg ...\xref-BASE.dwg ...\xref-PIPES.dwg ...\xref-PROFILES-GEOTECH BLOCK.dwg

NOTES:

1. REFERENCE STANDARD NOTES ROAD ALLOWANCE (ROW-NOTES).
2. CONCRETE CURB MAY BE BARRIER (SC1.1) OR MOUNTABLE TYPE (SC1.3), CATCHBASIN TYPE WILL SUIT CURB DESIGN. SEE SEWER DESIGN GUIDELINES FOR CATCHBASIN REFERENCE.
3. AT CATCHBASIN AND HYDRANT LOCATIONS GASMAIN SHALL HAVE A MINIMUM 0.6m CLEARANCE FROM STRUCTURES.
4. HYDRO TRANSFORMERS AND SIDEWALK ARE TO BE LOCATED ON THE OPPOSITE SIDES OF THE R.O.W WHENEVER POSSIBLE.
5. PRIMARY HYDRO AND COMMUNICATION DUCTS (ENCASED) TYPICALLY REQUIRED ON ONE SIDE OF THE R.O.W ONLY. PROVIDE 1.0m COVER ON ALL CONCRETE ENCASED DUCTS.
6. STREET LIGHTS AND SIDEWALK TO LOCATED ON OPPOSITE SIDES OF THE R.O.W FOR THE OPTIONS WITH SIDEWALK AT CURB.



8.5m ROAD – 18.0m R.O.W TYPICAL SECTION

1:200

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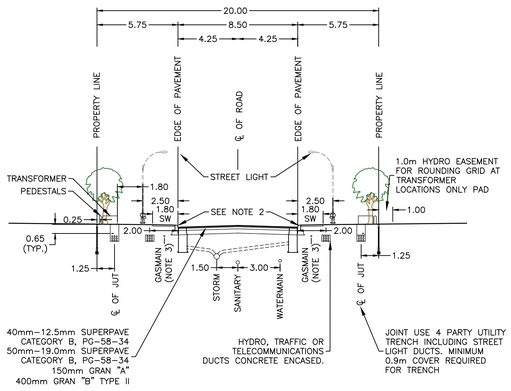

8.5m ROAD – 20.0m R.O.W TYPICAL SECTION

1:200

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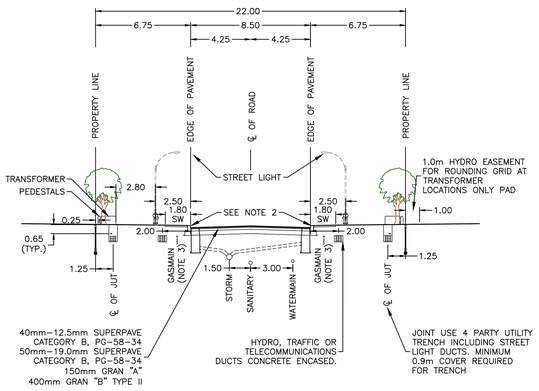
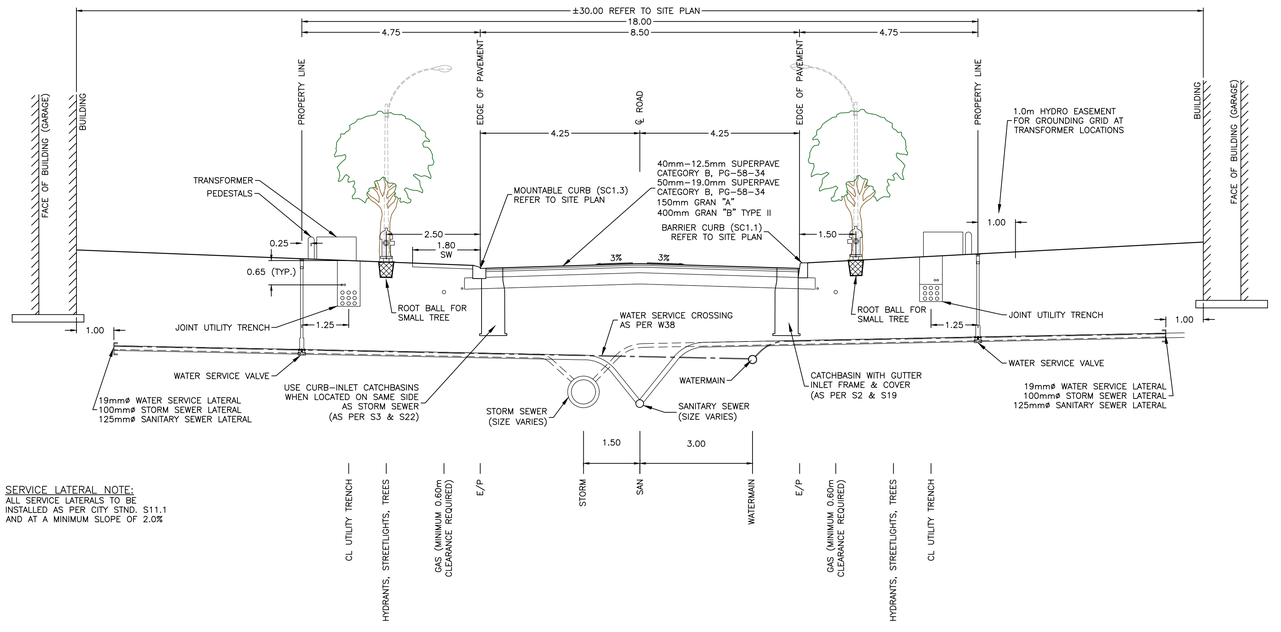


8.5m ROAD – 22.0m R.O.W TYPICAL SECTION

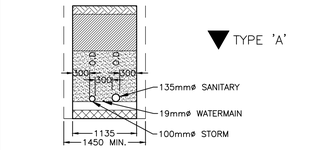
1:200



SERVICE LATERAL NOTE:
ALL SERVICE LATERALS TO BE INSTALLED AS PER CITY STND. S11.1 AND AT A MINIMUM SLOPE OF 2.0%

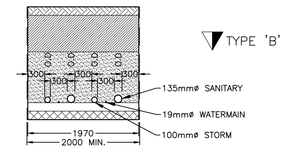
8.5m ROAD – TYPICAL SECTION

1:75



TYPE-A SINGLE SERVICING TRENCH

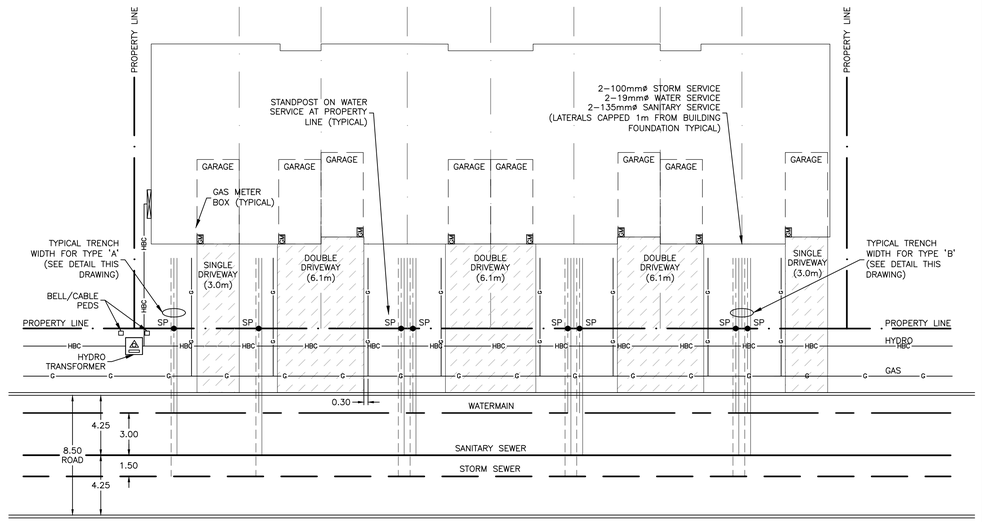
SCALE: N.T.S



TYPE-B DOUBLE SERVICING TRENCH

SCALE: N.T.S

NOTE: STORM ON THE LEFT WHEN LOOKING AT BUILDING

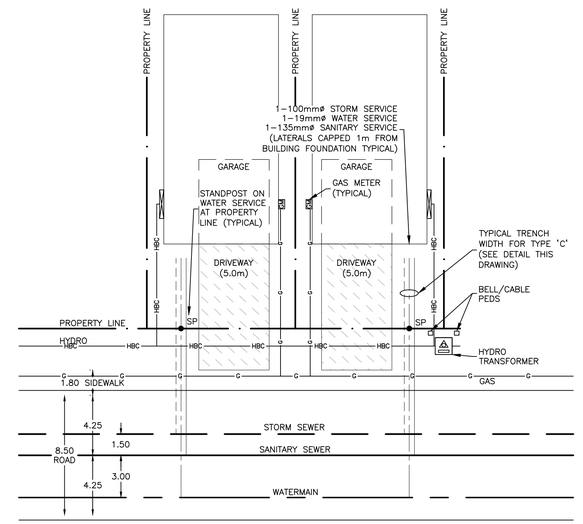


TYPICAL TOWNHOUSE BLOCK SERVICING

SCALE: 1:200

HORIZONTAL 0 2m 4m 8m 1:200

NOTE: STORM ON THE LEFT WHEN LOOKING AT BUILDING



TYPICAL SINGLE DETACHED HOUSE SERVICING

SCALE: 1:200

HORIZONTAL 0 2m 4m 8m 1:200

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JOB BENCH MARK JBM▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

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OWNER
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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
DETAIL SHEET 1
ROADWAY SECTIONS AND SERVICING DETAILS

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C700

Filename: \\exp\data\ott\ott-0258780\dv\60 exercise\65 drawings\700 sketch sheet 1-3.dwg
Last Saved: 7/1/2022, 2:27:49 PM Last Plotted: 5/12/2022, 10:47:58 AM Plotted by: butlers
Xrefs: ...\xref-TITL.dwg
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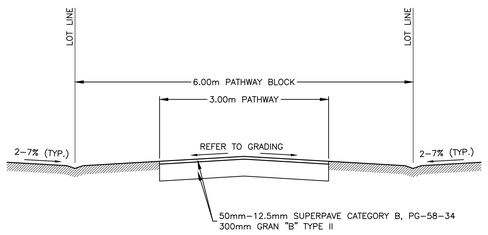
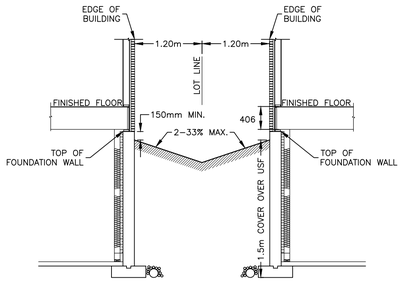


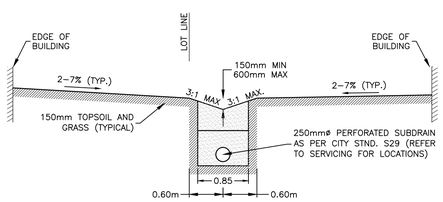
1 C200 TYPICAL PATHWAY BLOCK

SCALE: 1:50



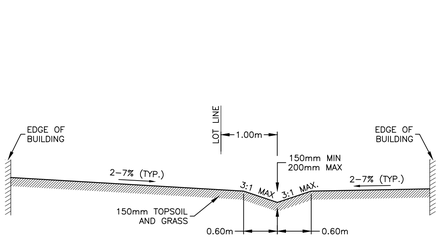
2 C200 TYPICAL SIDE YARD SECTION

SCALE: 1:50



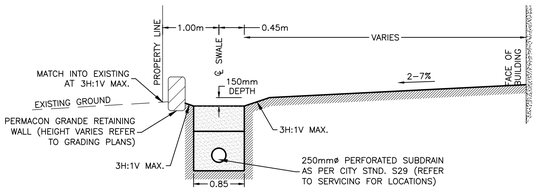
3 C200 TYPICAL REAR YARD SECTION c/w INFILTRATION TRENCH SUBDRAIN

SCALE: 1:50



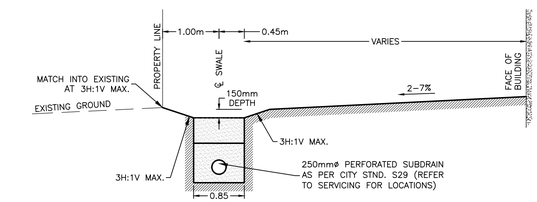
4 C200 TYPICAL REAR YARD SECTION

SCALE: 1:50



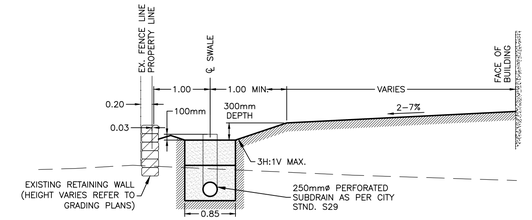
5 C200 TYPICAL REAR YARD SECTION WEST PROPERTY LINE c/w RETAINING WALL

SCALE: 1:50



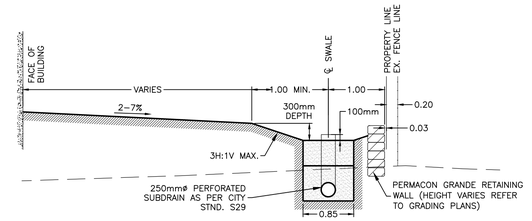
6 C200 TYPICAL REAR YARD SECTION WEST PROPERTY LINE c/w INFILTRATION TRENCH

SCALE: 1:50



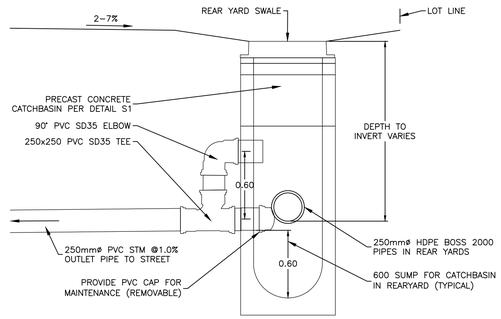
7 C200 TYPICAL REAR YARD SECTION NORTH PROPERTY LINE c/w RETAINING WALL

SCALE: 1:50



8 C200 TYPICAL REAR YARD SECTION EAST PROPERTY LINE c/w RETAINING WALL

SCALE: 1:50



REAR YARD CATCHBASIN DETAIL

SCALE: 1:25

CAUTION

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TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.

TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP388Z) SURVEY DATED JANUARY 14, 2020. SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE

NORTH

DESIGNED BY

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OWNER

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT

HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE

DETAIL SHEET 2
TYPICAL SECTIONS

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C701

Filename: \\exp\data\ott\ott-0258780\~dVDD exercise\05 drawings\C700 details sheet 1-3.dwg
Last Saved: 7/1/2022, 2:21:49 PM Last Plotted: 5/12/2022 10:48:13 AM Plotted by: butlers
Layout: C701 - Sheet 1 of 1
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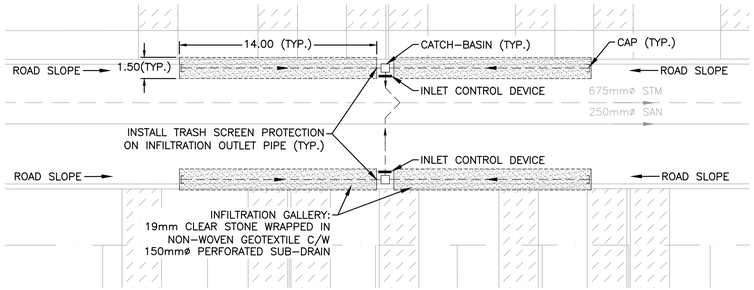
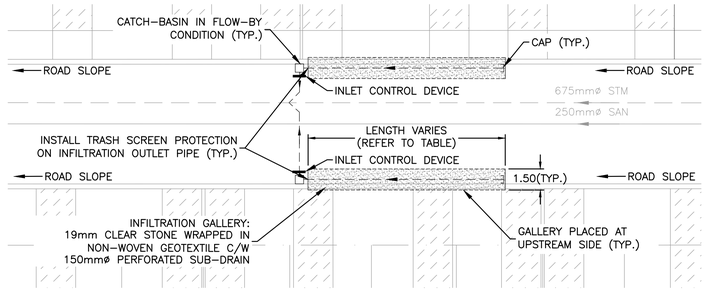


LOW IMPACT DEVELOPMENT (LID) INFILTRATION GALLERY AT ROADWAY LOWPOINTS

SCALE: 1:200

HORIZONTAL 1:200



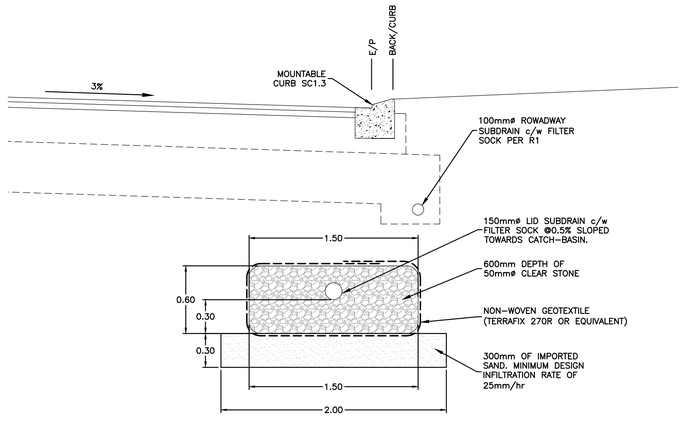
LOW IMPACT DEVELOPMENT (LID) INFILTRATION GALLERY AT FLOW-BY CATCH-BASINS

SCALE: 1:200

HORIZONTAL 1:200

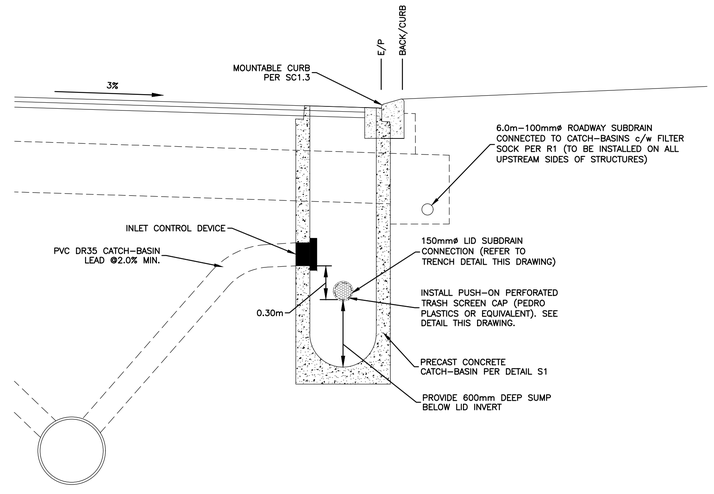
LOW IMPACT DEVELOPMENT (LID) INFILTRATION DATA

INFILTRATION AREA I.D.	STRUCTURE(S) IN INFILTRATION AREA	LOCATION	STRUCTURE CONDITION	NO. OF PIPES IN INFILTRATION AREA	LENGTH OF EACH PIPE (m)	TOTAL LENGTH OF PIPE (m)	TRENCH WIDTH (m)
ROW-01	CB03, CB04	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-02	CB09, CB10	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-03	CB11, CB12	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-04	CB13, CB14	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-05	CB15, CB16, CB17	RIGHT-OF-WAY	PONDING	6	14.0	84.1	1.5
ROW-06	CB18, CB19	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-07	CB24, CB25	RIGHT-OF-WAY	PONDING	4	14.0	56.0	1.5
ROW-08	CB01, CB02	RIGHT-OF-WAY	FLOWBY	2	10.0	20.0	1.5
ROW-09	CB120, CB121	RIGHT-OF-WAY	FLOWBY	2	10.0	20.0	1.5
ROW-10	CB05, CB06	RIGHT-OF-WAY	FLOWBY	2	10.0	20.0	1.5
ROW-11	CB07, CB08	RIGHT-OF-WAY	FLOWBY	2	8.0	16.0	1.5
ROW-12	CB22, CB33	RIGHT-OF-WAY	FLOWBY	2	8.4	16.8	1.5
ROW-13	CB26, CB27	RIGHT-OF-WAY	FLOWBY	2	6.0	12.0	1.5
ROW-14	CB20, CB21	RIGHT-OF-WAY	FLOWBY	2	6.0	12.0	1.5
ROW-15	CB28, CB29	RIGHT-OF-WAY	FLOWBY	2	6.1	12.1	1.5
ROW-16	CB32, CB123	RIGHT-OF-WAY	FLOWBY	2	6.2	12.3	1.5
ROW-17	CB30, CB31	RIGHT-OF-WAY	FLOWBY	2	6.0	12.0	1.5
RY-01	CB78	REARYARD	-	1	107.4	107.4	0.85
RY-02	CB79	REARYARD	-	1	42.2	42.2	0.85
RY-03	CB51	REARYARD	-	1	73.4	73.4	0.85
RY-04	CB35	REARYARD	-	1	55.6	55.6	0.85
RY-05	CB36	REARYARD	-	1	49.6	49.6	0.85
RY-06	CB43	REARYARD	-	1	45.9	45.9	0.85
RY-07	CB83	REARYARD	-	1	112.8	112.8	0.85
RY-08	CB87	REARYARD	-	1	142.2	142.2	0.85
RY-09	CB57	REARYARD	-	1	100.5	100.5	0.85
RY-10	CB60	REARYARD	-	1	52.5	52.5	0.85
RY-11	CB58	REARYARD	-	1	52.7	52.7	0.85
RY-12	CB93	REARYARD	-	1	89.1	89.1	0.85
RY-13	CB100	REARYARD	-	1	175.2	175.2	0.85



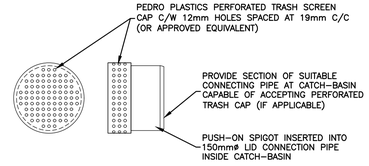
SECTION OF TYPICAL LID INFILTRATION TRENCH

SCALE: 1:25



SECTION OF CATCH-BASIN WITH LID INFILTRATION TRENCH CONNECTION

SCALE: 1:25



SHOP DRAWINGS TO BE PROVIDED

PERFORATED TRASH SCREEN CAP

SCALE: N.T.S.

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NORTHING=5014575.29 EASTING=349007.23

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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

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1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE
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DESIGNED BY
REVIEWED BY

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STITTSVILLE, ON. K2S 1B9

exp Services Inc.
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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
DETAIL SHEET 3
LOW IMPACT DEVELOPMENT
DETAILS

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C702

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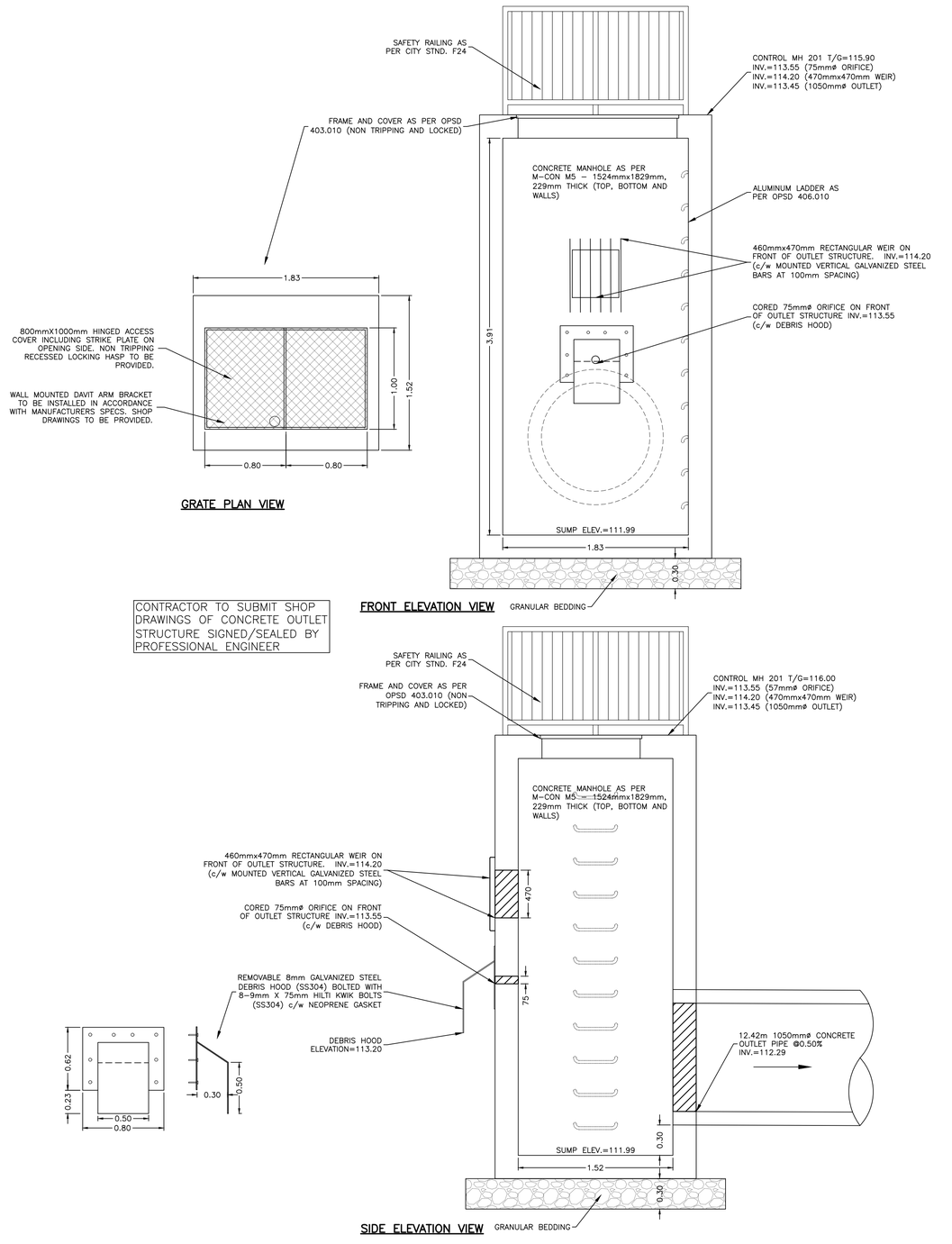

CONTROL MANHOLE 201 DETAILS

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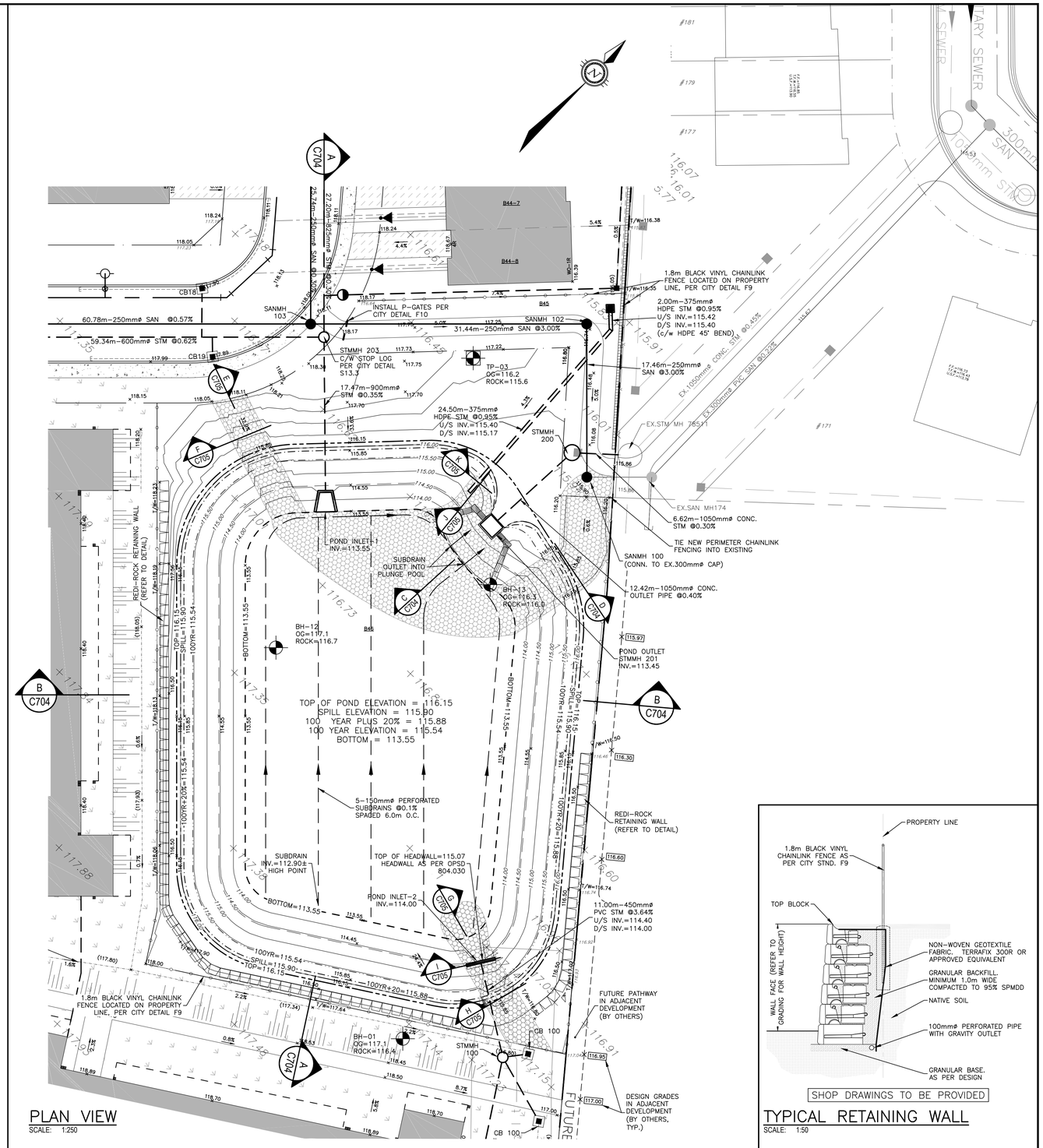

PLAN VIEW

SCALE: 1:250

SHOP DRAWINGS TO BE PROVIDED

TYPICAL RETAINING WALL

SCALE: 1:50

CAUTION

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JOB BENCH MARK JBM▲

TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION

PART OF LOT 12, CONCESSION 12, GEOGRAPHIC TOWNSHIP OF GOULBOURN, CITY OF OTTAWA.
TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE: 0 2m 4m 10m HORIZONTAL 1:250
NORTH

DESIGNED BY

REVIEWED BY

OWNER
LATITUDE HOMES
1202 CARP ROAD
STITTSVILLE, ON. K2S 1B9

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT: HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE: DETAIL SHEET 4
STORMWATER MANAGEMENT FACILITY

PROJECT No.	258780
SURVEY	238800-FMW
DATE	24/07/20
DRAWING No.	C703

Filename: \\exp\data\ott\ott-00258780\v00\60 execution\65 drawings\c705 details\ sheet 6 stormwater management facility details 2.dwg
Last Saved: 5/12/2022 10:22:49 AM AM Plotted: 5/13/2022 10:50:55 AM Plotted by: burkers
Xrefs: ...\xref-TTL.dwg; ...\xref-SP.dwg; ...\xref-TMW_Topo.dwg; ...\xref-GRADING.dwg; ...\xref-PIPES.dwg; ...\xref-PROFILES-GEOTECH BLOCK.dwg
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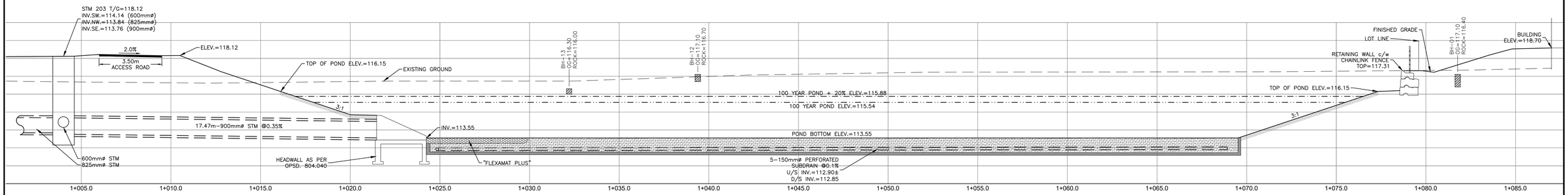
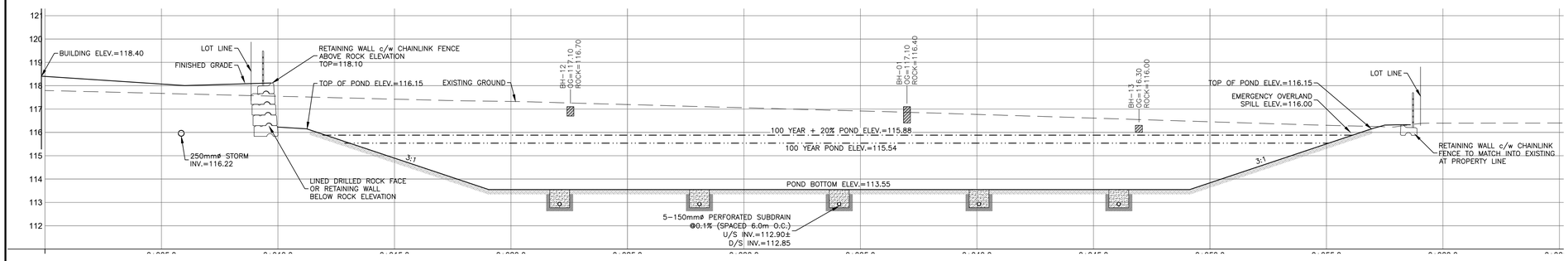
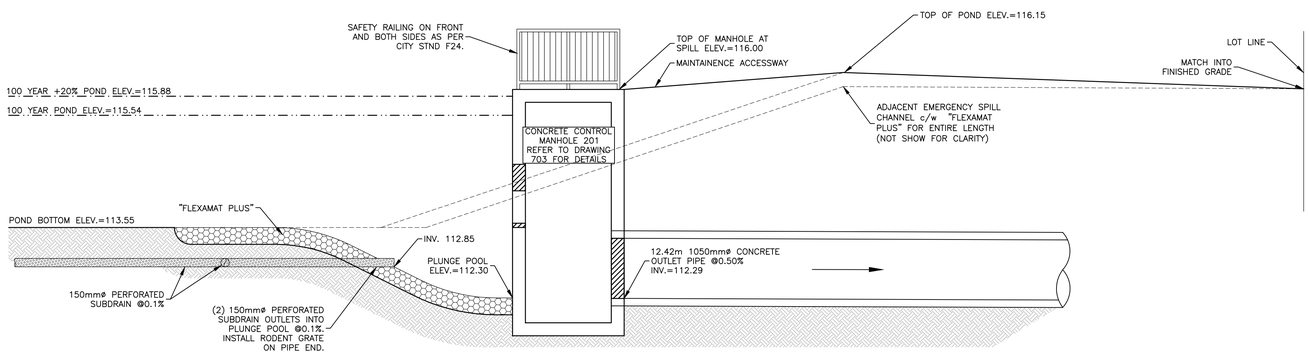


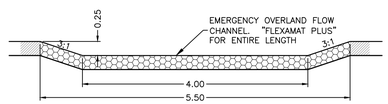
A C703 **POND SECTION A-A**
SCALE: 1:100 HORIZONTAL 1:100



B C703 **POND SECTION B-B**
SCALE: 1:100 HORIZONTAL 1:100



C C703 **EMERGENCY SPILLWAY SECTION**
SCALE: 1:50 HORIZONTAL 1:50



D C703 **EMERGENCY SPILLWAY SECTION**
SCALE: 1:50 HORIZONTAL 1:50

CAUTION
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JOB BENCH MARK JBM ▲
TOP OF HEAD OF MAGNETIC NAIL SET IN SIDE OF CONCRETE SIGN
BASE 0.2± ABOVE GRADE ELEVATION=120.77
NORTHING=5014575.29 EASTING=349007.23

TOPOGRAPHIC INFORMATION
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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9,

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE: 0 1m 2m 4m HORIZONTAL 1:100
NORTH
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REVIEWED BY

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BASEPLAN	SK
DESIGN	JLF
CHECKED	BMT
CAD	SK
PROJECT MANAGER	JLF
APPROVED	BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
DETAIL SHEET 5
STORMWATER MANAGEMENT
FACILITY DETAILS 1

PROJECT No.	258780
SURVEY	Z38800-FMW
DATE	24/07/20
DRAWING No.	C704

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Layout: C704 Model: Model
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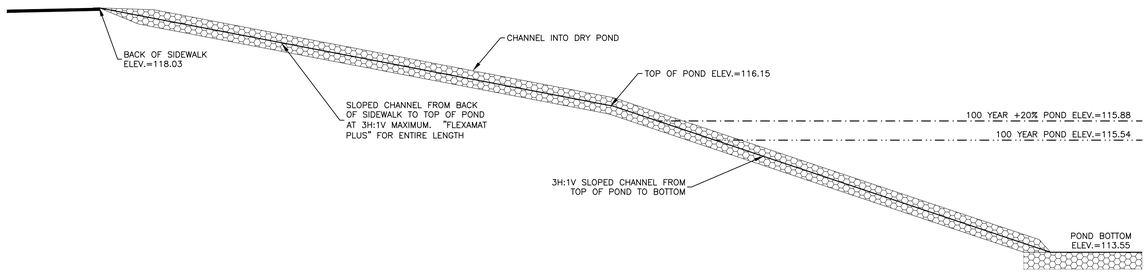
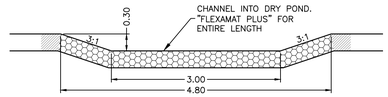


E C703 INLET CHANNEL SECTION
SCALE: 1:50 0 0.5m 1m 2m
HORIZONTAL 1:50



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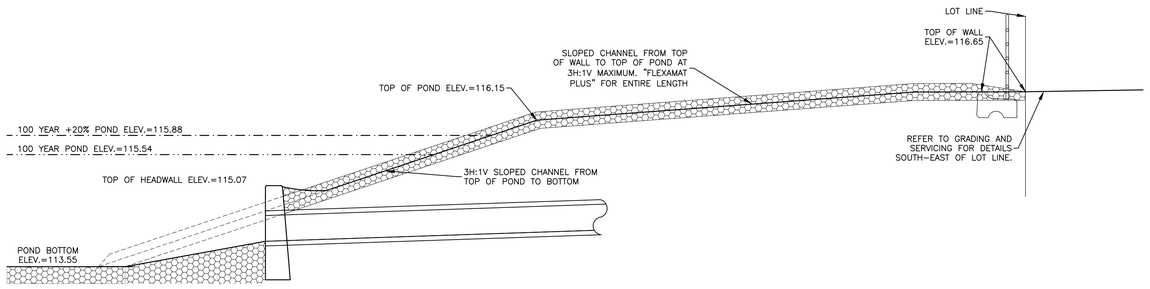
HORIZONTAL 1:50



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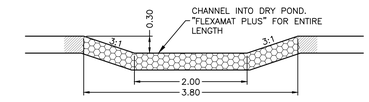
HORIZONTAL 1:50



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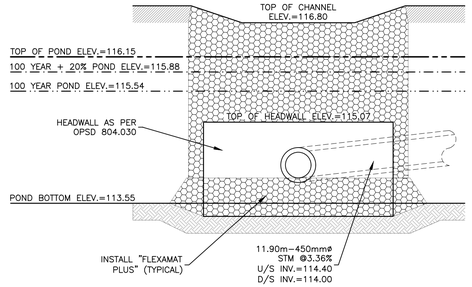
SCALE: 1:50 0 0.5m 1m 2m
HORIZONTAL 1:50



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SCALE: 1:50 0 0.5m 1m 2m
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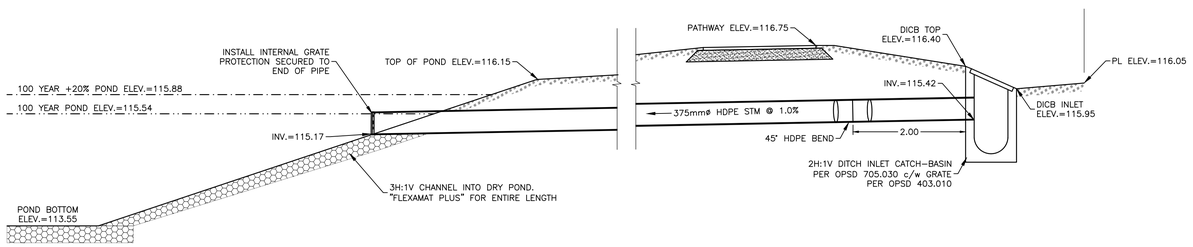

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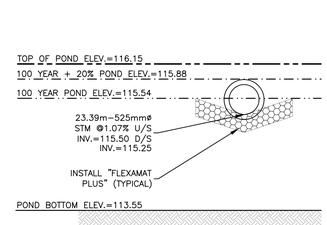
HORIZONTAL 1:50



K C703 INLET CULVERT SECTION
SCALE: 1:50 0 0.5m 1m 2m
HORIZONTAL 1:50

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NORTHING=5014575.29 EASTING=349007.23

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TOPOGRAPHIC INFORMATION PROVIDED BY FAIRHALL MOFFATT & WOODLAND LIMITED O.L.S (TP3882) SURVEY DATED JANUARY 14, 2020.
SITE GRID SYSTEM MTM NAD 83, ZONE 9.

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR APPROVAL	05/12/22	SAB	BMT

SCALE: 0 1m 2m 4m HORIZONTAL 1:100
NORTH
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REVIEWED BY

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN SK
DESIGN JLF
CHECKED BMT
CAD SK
PROJECT MANAGER JLF
APPROVED BMT

PROJECT
HAZELDEAN HORIZONS
6171 HAZELDEAN ROAD
OTTAWA, ONTARIO.

TITLE
DETAIL SHEET 6
STORMWATER MANAGEMENT
FACILITY DETAILS 2

PROJECT No. 258780
SURVEY Z38800-FMW
DATE 24/07/20
DRAWING No. C705

Filename: \\exp\ottawa\active\258780\active\d60 execution\05 drawings\c705 detail sheet 6 stormwater management facility details 2.dwg
Last Saved: 5/12/2022 10:22:49 AM Last Plotted: 5/12/2022 10:53:21 AM Plotted by: bulters
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