

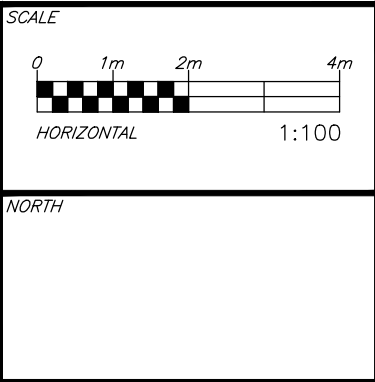
LEGEND	
---	PROPERTY LINE
---	EXISTING E OF ROAD
---	EXISTING EDGE OF GRAVEL
---	EXISTING EDGE OF PAVEMENT
~	EXISTING TREE
x	EXISTING FENCE
UP	EXISTING UTILITY POLE
○ MH-S	EXISTING SANITARY MANHOLE
S	EXISTING SANITARY
ST	EXISTING SANITARY STORM
GAS	EXISTING GAS
W	EXISTING WATERMAIN
x 64.02	EXISTING GROUND ELEVATION

NOTES:

1. 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 UNTIL SUCH TIME AS THE SERVICE PROVIDER HAS CONFIRMED IN WRITING THE SERVICE IS ABANDONED AND CAN BE REMOVED. 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.
2. 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 PRIOR TO COMMENCING CONSTRUCTION. 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.
3. FOR ADDITIONAL PROJECT NOTES REFER TO DRAWING C001.

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.

REV	REVISION DESCRIPTION	DATE	BY	APPD	REV	REVISION DESCRIPTION	DATE	BY	APPD
					2	RE-ISSUED FOR SPA	11/10/24	AGJ	AJ
					1	SPA	06/08/24	AGJ	AJ



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100562090
2024/10/11
PROVINCE OF ONTARIO

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BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AJ
CAD	AGJ
PROJECT MANAGER	AJ
APPROVED	AA

PROJECT
1132 ST. PIERRE
OTTAWA, ONTARIO. K1C 1L5
EXISTING CONDITIONS AND REMOVALS PLAN

PROJECT No.
OTT-24006873-A0
SURVEY
AOV
DATE
31/07/24
DRAWING No.
C000

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, INTERFERENCES, 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 BACKFILL WORK, 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 SERVING & 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 OPSS, IS EXCEEDED.
15. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY 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 BORERHOLES SHOWN ON THE DRAWINGS ARE FOR INFORMATION ONLY. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP. SERVICES INC. DATED OCTOBER 17, 2024.
18. THE CONTRACTOR SHALL APPRAISE HIS/HER SELF OF ALL SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED AND SHALL CARRY OUT THEIR OWN TEST PIT 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 ANNIS O'SULLIVAN VOLLEBEK, DATED JUNE 7, 2023
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.

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. 56 AND 57, 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 1.0 M ABOVE GRADE PAINTED RED.
5. SEWER BEDDING AS PER CITY STANDARD 56 & 57, GRANULAR 'A' BEDDING TO BE INCREASED TO 300MM WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE.
6. SANITARY SEWER MANHOLES SHALL BE BENCHES AS PER OPSD 701.021. SANITARY MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF OTTAWA STD. 524 AND 525. SANITARY 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 OPSD) 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 511 & 511.1.
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% SPMOD.
11. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1.

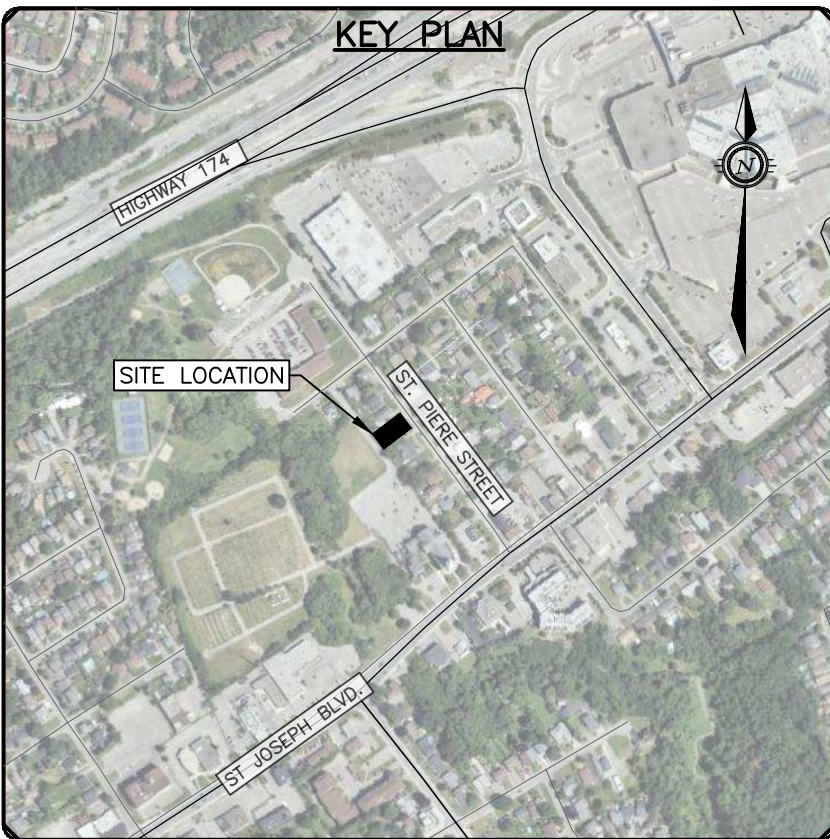
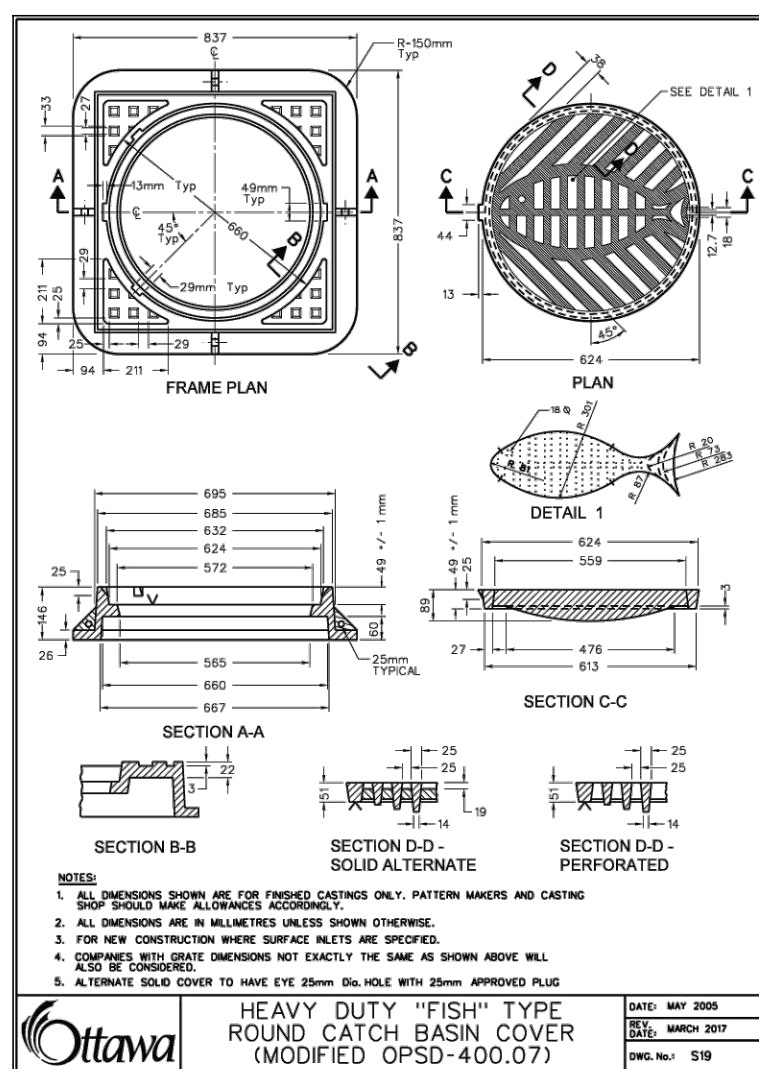
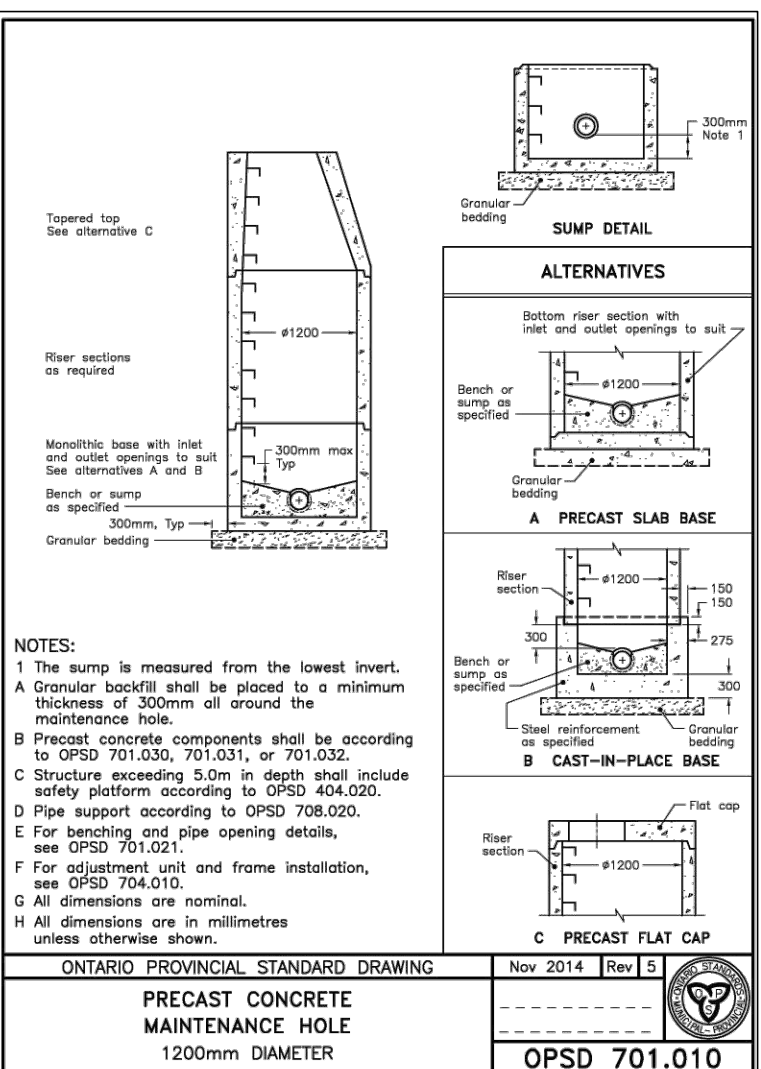
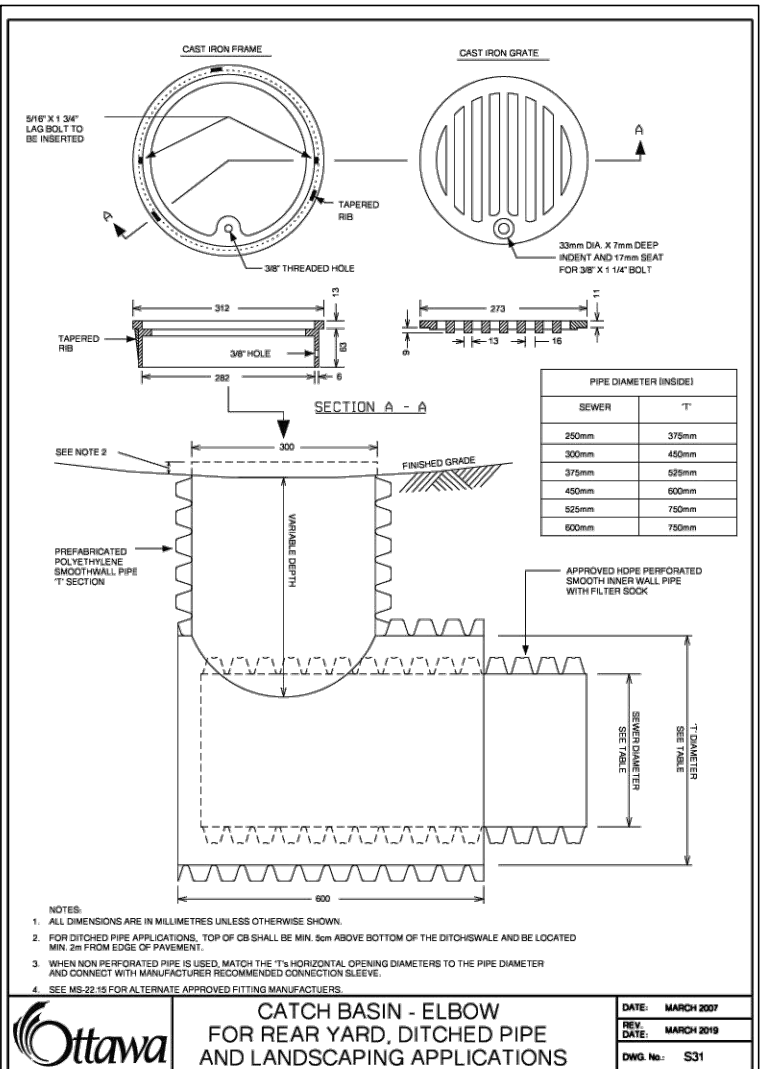
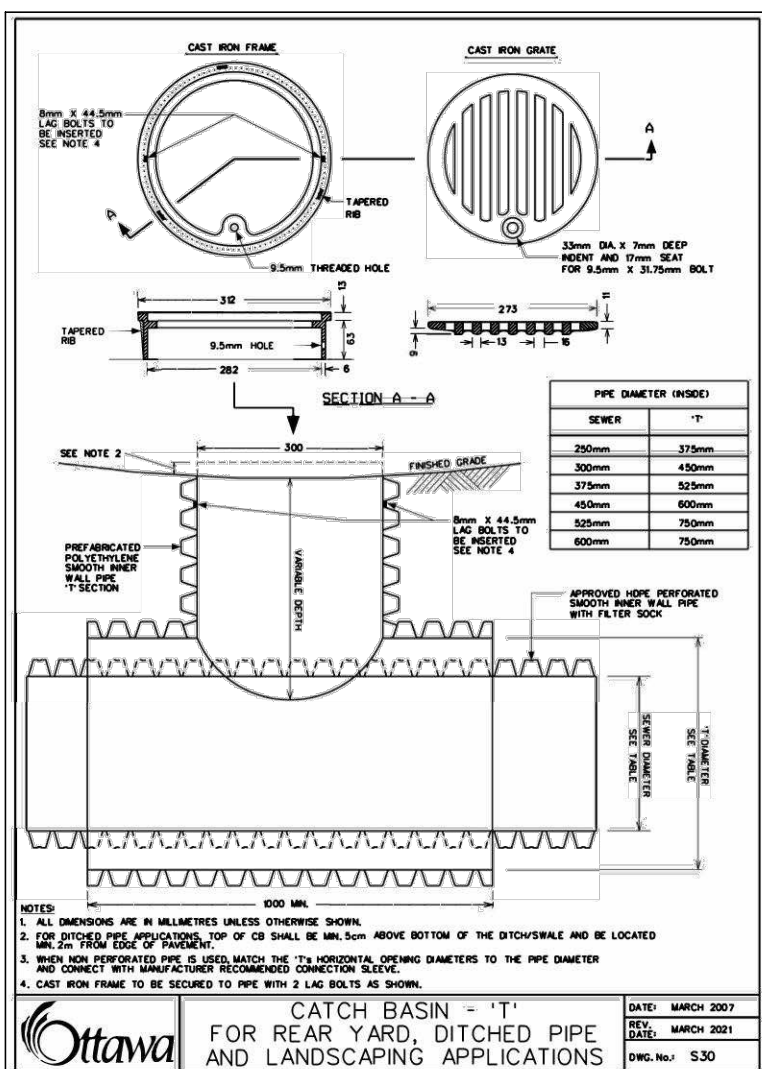
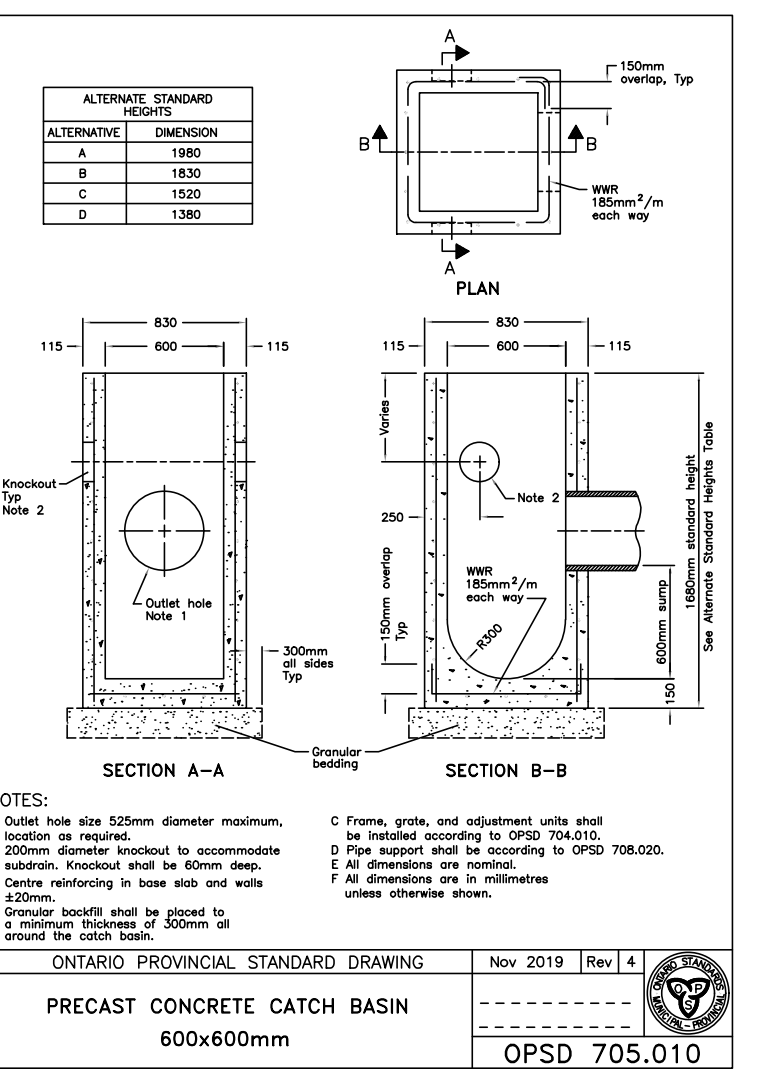
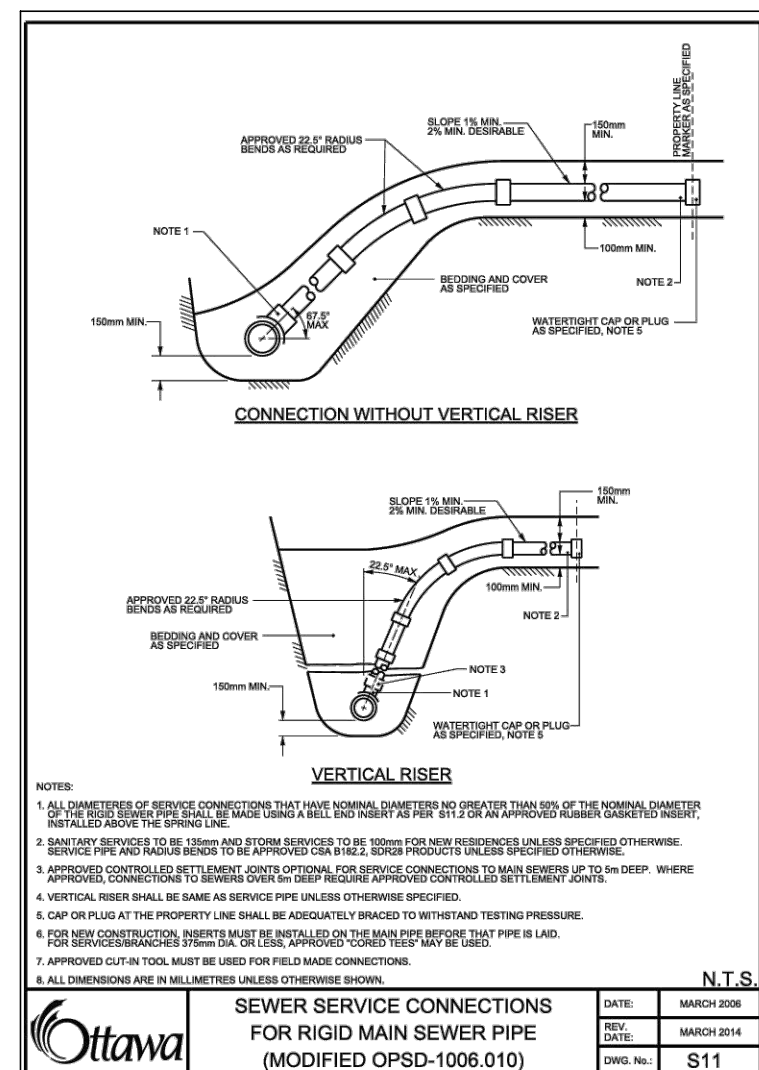
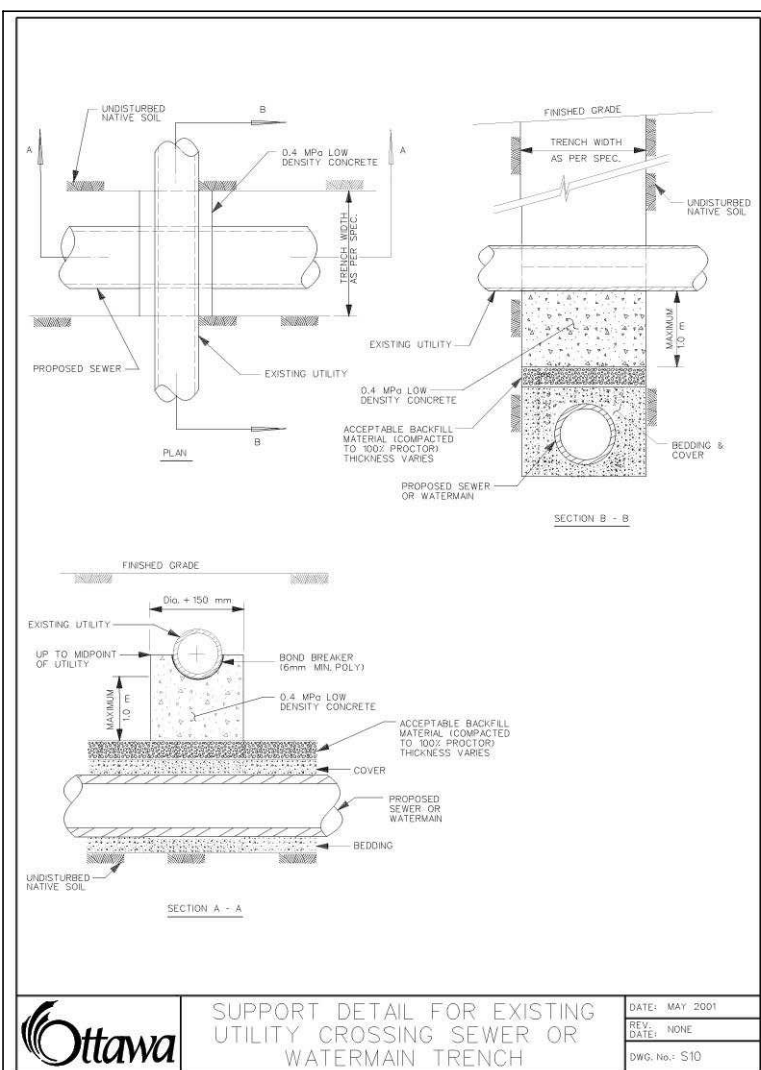
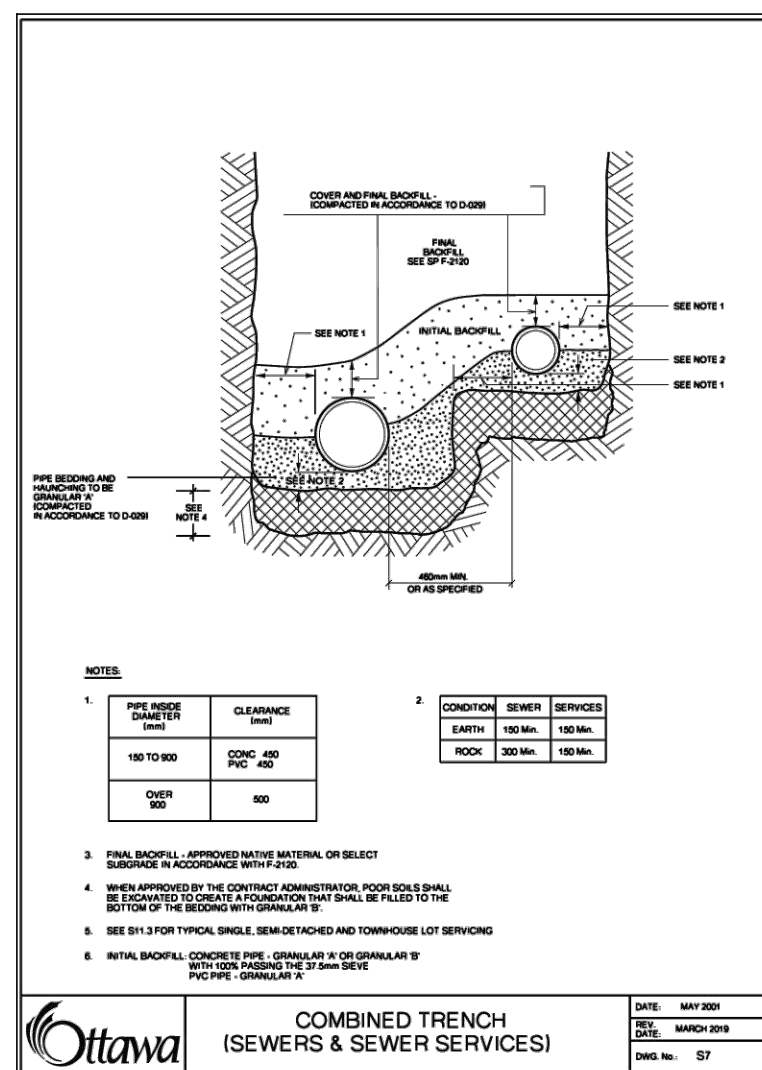
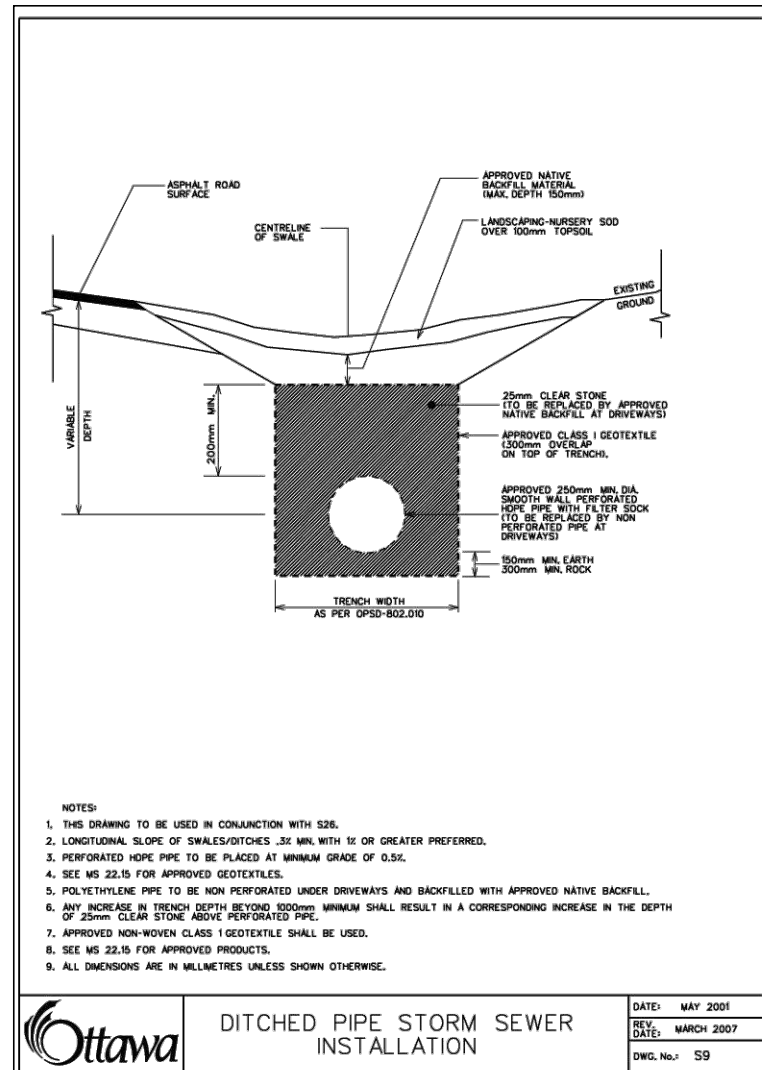
1. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (PSPD) AND SPECIFICATIONS (PSSP).
2. ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN ACCORDANCE WITH CSA A257.2 (LATEST 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. 8182.2 RQ 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% SPMD.
5. SEWER BEDDING AS PER CITY STANDARD 56 & 57.
6. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR AND MARKED WITH A 50mm X 100mm 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

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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 WATERMANS SHALL BE EQUAL TO AWWA C900 CLASS 150, SDR 18, OR APPROVED EQUAL.
4. WATERMANS 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 WATERMANS SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWO OR RWU TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36.
6. WATER SERVICES ARE TO BE TYPE K SOFT COPPER 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 "100mm X 100mm" EXTENDING FROM THE INVERT TO 1.0m ABOVE GRADE PAINTED BLUE. STAND POST/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 WATERMANS 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 WATERMAIN.
16. INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W25.2 AND W25, RESPECTIVELY. WHERE WATERMAIN COVER IS LESS THAN 2.4m.
17. WHERE THE SEPARATION BETWEEN SERVICES AND MAN-HOLES IS LESS THAN 1.2m, WATER SERVICES ARE TO BE INSTALLED AS PER CITY OF OTTAWA STD. W23.

1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE ROAD ALLOWANCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. CONCRETE CURB SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. SC1.1 (BARRIER CURB) AND SC1.3 (MOUNTABLE CURB), AS NOTED. PROVISION SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS AND DRIVEWAYS.
3. ROAD SUBDRAINS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R1. SUBDRAINS SHALL BE 6m IN LENGTH AT CATCHBASINS. SUBDRAINS SHALL BE INSTALLED BOTH SIDES AT LOWPOINTS AND ON THE HIGH SIDE AT FLOWBY CATCHBASINS.
4. PAVEMENT REINFORCEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. R10 AND OPSD 550.010, OPSR 310.
5. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
6. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
7. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
8. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR "B" COMPACTED IN MAXIMUM 300mm LIFTS.
9. PAVEMENT STRUCTURE: REFER TO LEGEND.

1. IT SHALL BE THE BUILDER'S RESPONSIBILITY TO ENSURE THAT GRADING AROUND HYDRANTS, TRANSFORMERS, AND UTILITY PEDESTALS, ETC. MEET CURRENT CITY OF OTTAWA, HYDRO AND UTILITY COMPANY REQUIREMENTS.
2. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
3. CONTRACTOR TO ADJUST EXISTING CATCH BASINS, MAN-HOLES, FIRE HYDRANTS, VALVE CHAMBERS AND VALVE BOXES TO FINAL GRADE AS REQUIRED.
4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FOUNDATIONS OF ADJACENT BUILDINGS DURING EXCAVATION AND CONSTRUCTION PERIOD.
5. GRADING IN GRASSED AREAS WILL BE BETWEEN 2% TO 7%. GRADES IN EXCESS OF 7% WILL REQUIRE A MAXIMUM 3:1 TERRACING.

[illegible]

DESIGNED
BY

REVIEWED BY


LICENSED PROFESSIONAL ENGINEER

A. K. Jariwala

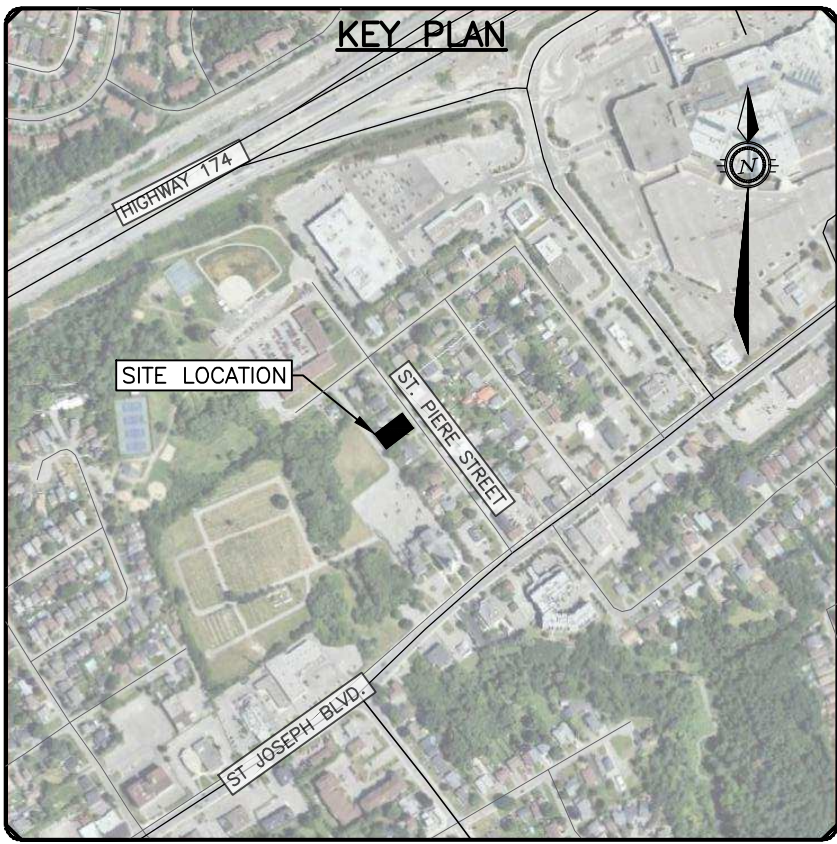
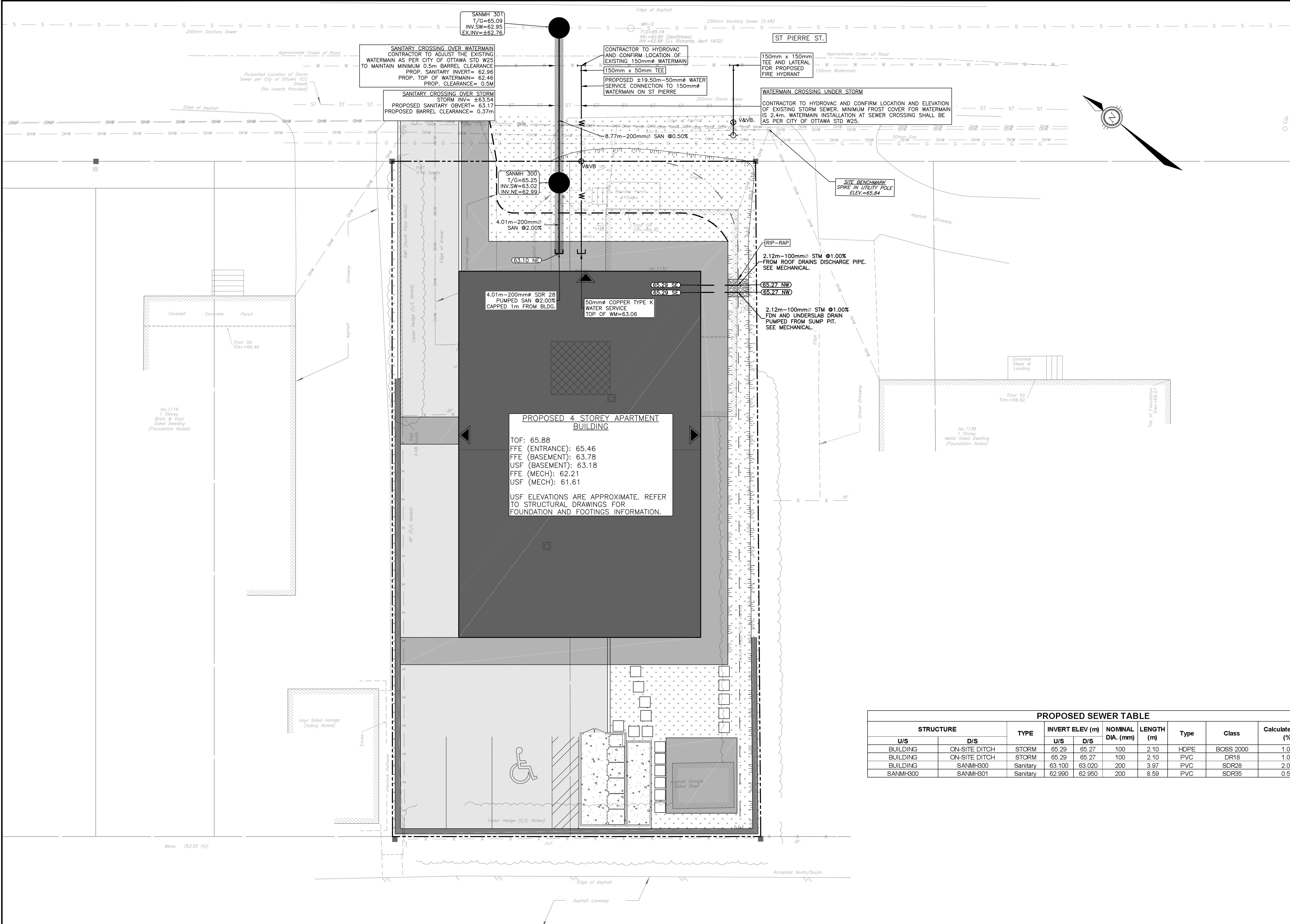
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2024/10/15

PROVINCE OF ONTARIO

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			DESIGN	AGJ
			DRAWINGS	AJ
			CAD	AGJ
			PROJECT MANAGER	AJ
			APPROVED	AA
	exp. Services Inc. T +1 613 688 1991 F +1 613 225 7330 2850 Greenbriar Drive, Unit 100 Ottawa, ON K2B 6A4 Canada www.exp.com • BUILDINGS • EARTH & ENVIRONMENT • ENERGY • • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •			

<div>PROJECT</div> <div>1132 ST. PIERRE OTTAWA, ONTARIO. K1C 1L5</div>	<div>PROJECT No.</div> <div>OT-24006873-A0</div> <div>SURVEY</div> <div>ADV</div> <div>DATE</div> <div>31/07/24</div>
<div>TITLE</div> <div>NOTES AND DETAILS</div>	<div>DRAWING No.</div> <div>C001</div>



LEGEND

- PROPERTY LINE
- EXISTING ϕ OF ROAD
- EXISTING EDGE OF GRAVEL
- EXISTING EDGE OF PAVEMENT
- EXISTING TREE
- EXISTING FENCE
- EXISTING UTILITY POLE
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY
- EXISTING SANITARY STORM
- EXISTING GAS
- EXISTING WATERMAIN
- PROP. ACCESSIBLE ENTRANCE
- TOP OF SLOPE (MAX 3:1)
- TOP OF SLOPE
- SWALE
- PROP. SANITARY MANHOLE
- PROP. STORM
- PROP. SANITARY
- PROPOSED WATERMAIN
- PROP. VALVE AND VALVEBOX
- PROP. FIRE HYDRANT
- RIGID INSULATION AS PER CITY OF OTTAWA STD S35
- EXISTING ELEVATION
- PROP. OPSD 3120.100 TOE WALL
- DEPRESSED CURB
- ASPHALT
- CONCRETE
- INTERLOCK
- GRASS

PROPOSED SEWER TABLE								
STRUCTURE		TYPE	INVERT ELEV (m)		NOMINAL DIA. (mm)	LENGTH (m)	Type	Class
U/S	D/S		U/S	D/S				
BUILDING	ON-SITE DITCH	STORM	65.29	65.27	100	2.10	HDPE	BOSS 2000
BUILDING	ON-SITE DITCH	STORM	65.29	65.27	100	2.10	PVC	DR18
BUILDING	SANMH300	Sanitary	63.100	63.020	200	3.97	PVC	SDR28
SANMH300	SANMH301	Sanitary	62.990	62.950	200	8.59	PVC	SDR35

CAUTION
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1	SPA	06/08/24	AGJ	AJ					

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

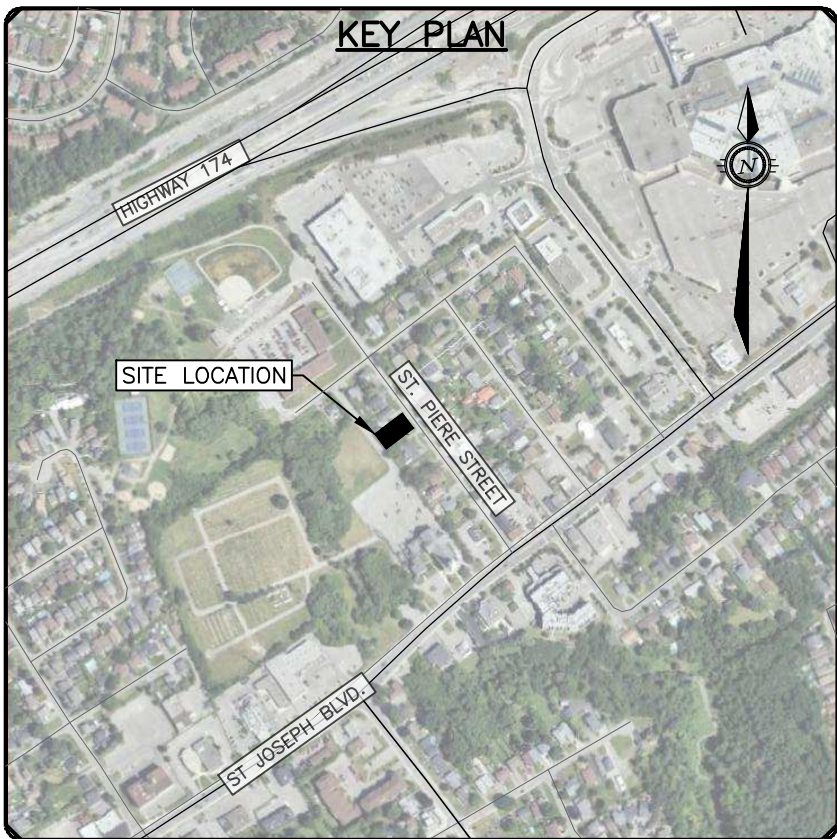
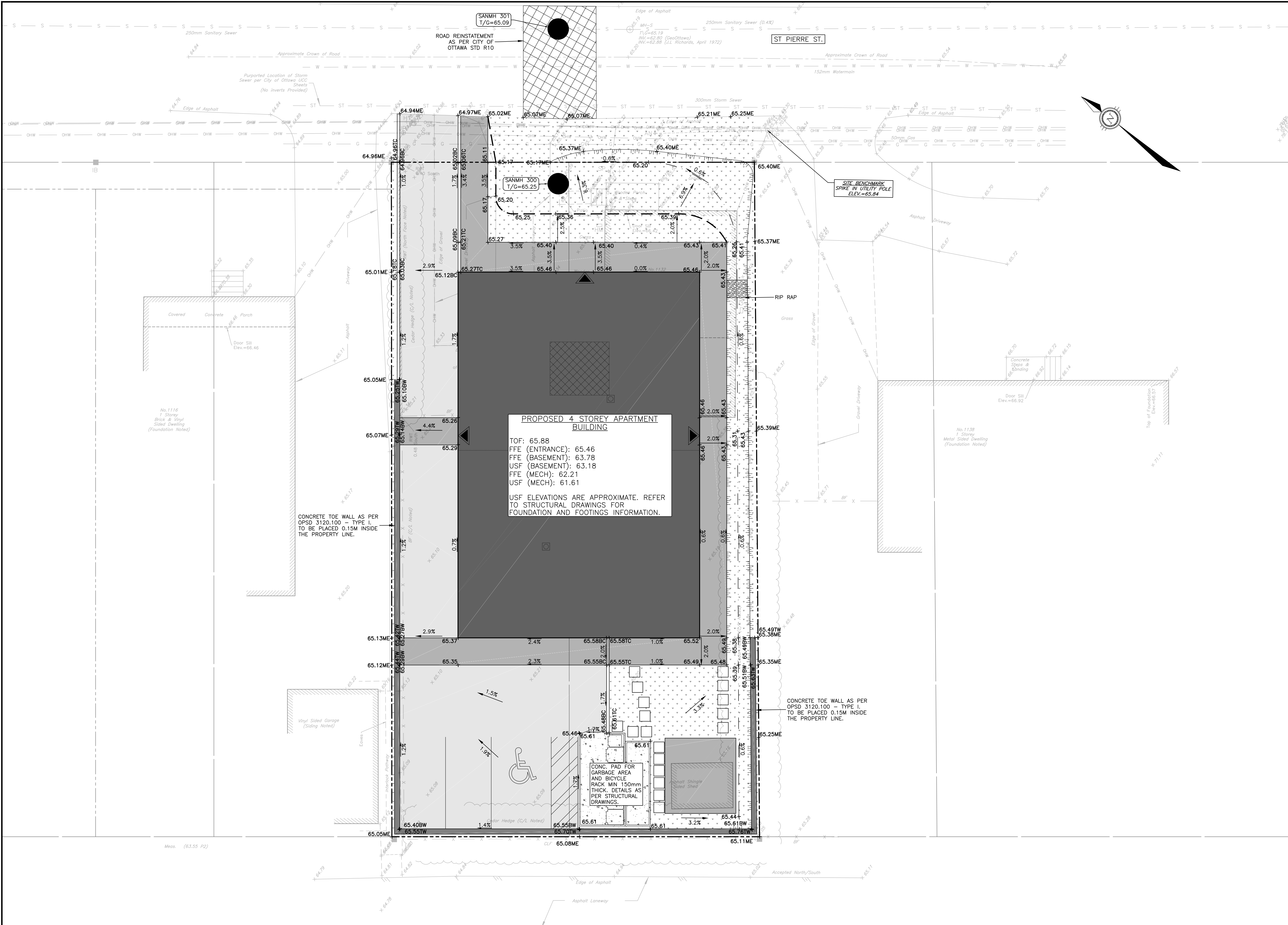
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BASEPLAN
DESIGN
CHECKED
CAD
PROJECT MANAGER
APPROVED

PROJECT
1132 ST. PIERRE
OTTAWA, ONTARIO. K1C 1L5
SITE SERVICING PLAN
DRAWING No.
C100

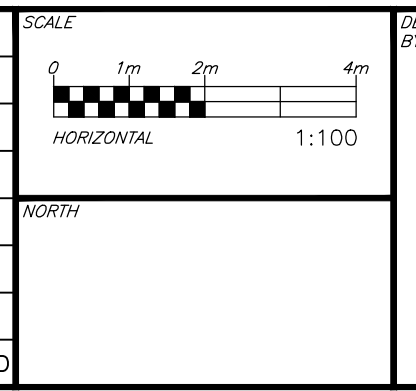
PROJECT No.
OTT-24006873-A0
SURVEY
A0V
DATE
31/07/24
DRAWING No.
C100



LEGEND	
	PROPERTY LINE
	EXISTING C. OF ROAD
	EXISTING EDGE OF GRAVEL
	EXISTING EDGE OF PAVEMENT
	EXISTING TREE
	EXISTING FENCE
	EXISTING UTILITY POLE
	EXISTING SANITARY MANHOLE
	EXISTING SANITARY
	EXISTING SANITARY STORM
	EXISTING GAS
	EXISTING WATERMAIN
	PROP. ACCESSIBLE ENTRANCE
	TOP OF SLOPE (MAX 3:1)
	TOP OF SLOPE
	SWALE
	PROP. SANITARY MANHOLE
	PROP. STORM
	PROP. SANITARY
	PROPOSED WATERMAIN
	PROP. VALVE AND VALVEBOX
	PROP. FIRE HYDRANT
	100MM THICK HI-60 RIGID INSULATION ON ALL THREE SIDES STORM/SANITARY SEWER PER 1109.030
	EXISTING ELEVATION
	PROP. ELEVATION
	PROP. TOP OF WALL ELEVATION
	PROP. BOTTOM OF WALL ELEVATION
	PROP. TOP OF CURB ELEVATION
	PROP. BOTTOM OF CURB ELEVATION
	PROP. MATCH EX. ELEVATION
	PROP. GRADE
	PROP. OPSP 3120.100 TOE WALL
	DEPRESSED CURB
	ASPHALT
	CONCRETE
	INTERLOCK
	GRASS
	PROP. OPSP 3120.100 TOE WALL

CAUTION
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REV	REVISION DESCRIPTION	DATE	BY	APPD
2	RE-ISSUED FOR SPA	11/10/24	AGJ	AJ
1	SPA	06/08/24	AGJ	AJ



DESIGNED BY
A. K. JARIWALA
100562090
2024/10/11
PROVINCE OF ONTARIO

REVIEWED BY
A. K. JARIWALA
100562090
2024/10/11
PROVINCE OF ONTARIO

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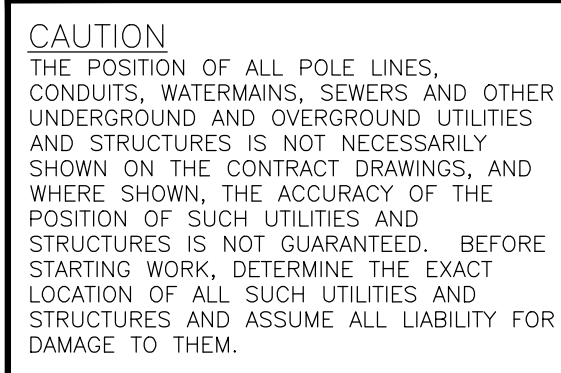
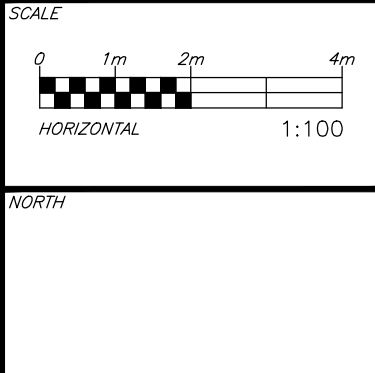
BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AJ
CAD	AGJ
PROJECT MANAGER	AJ
APPROVED	AA

PROJECT
1132 ST. PIERRE
OTTAWA, ONTARIO. K1C 1L5
SITE GRADING PLAN

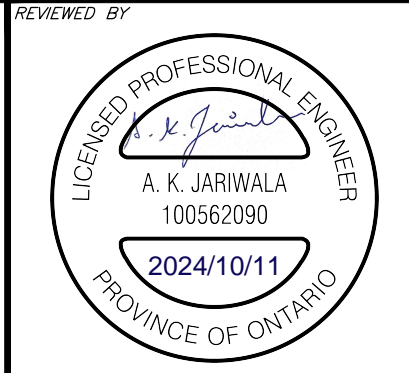
PROJECT No.
OTT-2406873-AD
SURVEY
ADV
DATE
31/07/24
DRAWING No.
C200

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and
K:\proj\1132-2406873-AD\1132-2406873-AD.dwg


DOT-12-24-0080

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DESIGNED
BY



PulseSocieties Ltd.
135 LAURIER AVE W, SUITE 100
OTTAWA, ON. K1P 5J2
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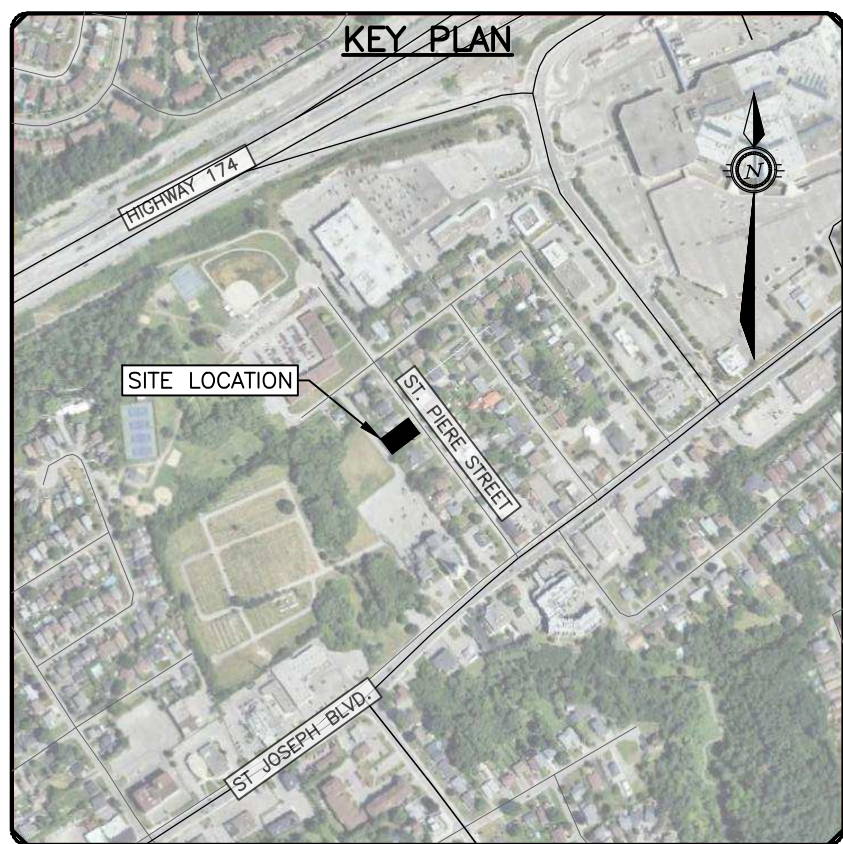
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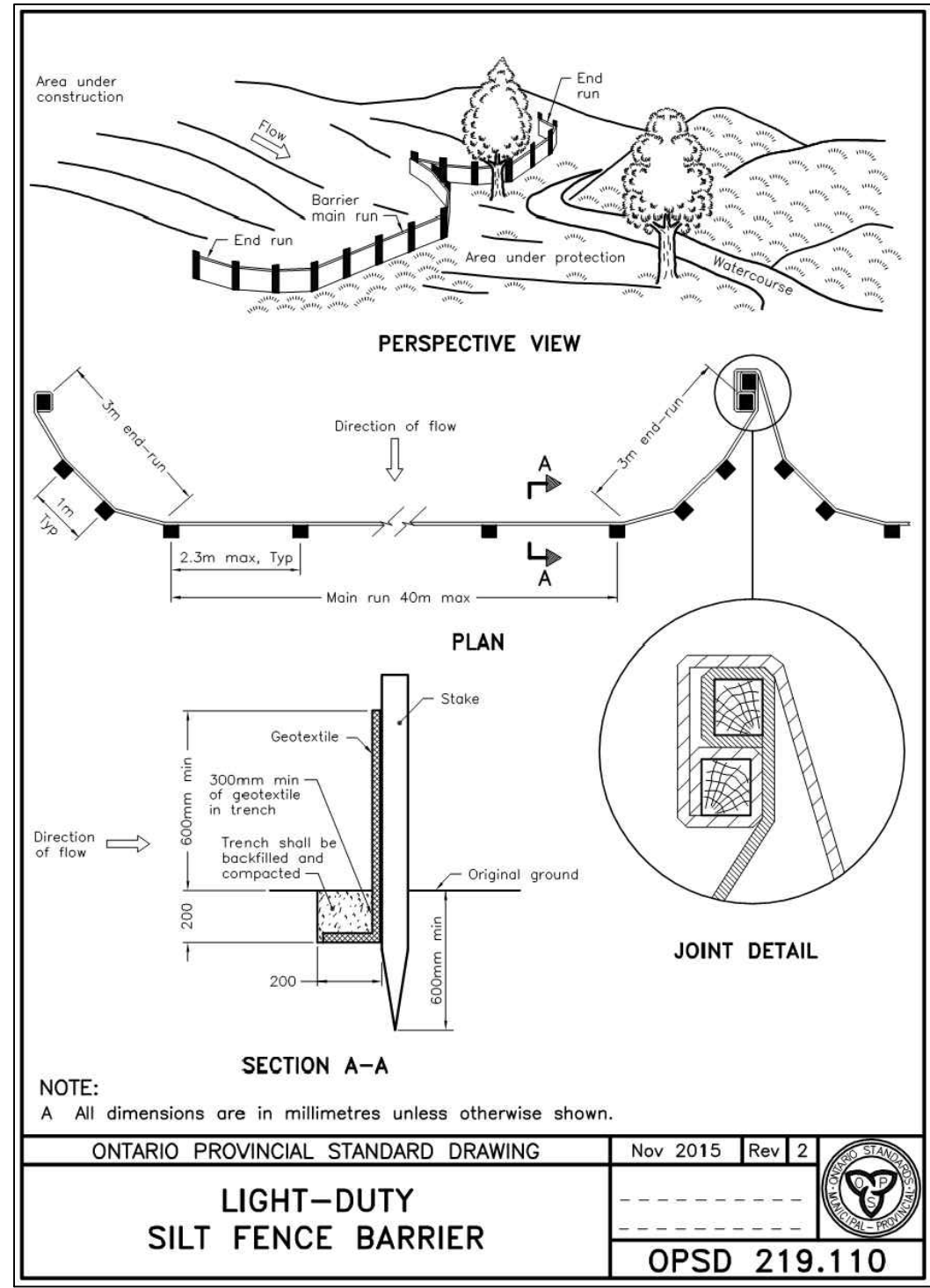
BASEPLAN	AGJ
DESIGN	AGJ
CHECKED	AJ
CAD	AGJ
PROJECT MANAGER	AJ
APPROVED	AA

PROJECT	1132 ST. PIERRE OTTAWA, ONTARIO. K1C 1L5
TITLE	EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.	OTT-24006873-A0
SURVEY	AOV
DATE	31/07/24
DRAWING No.	C300



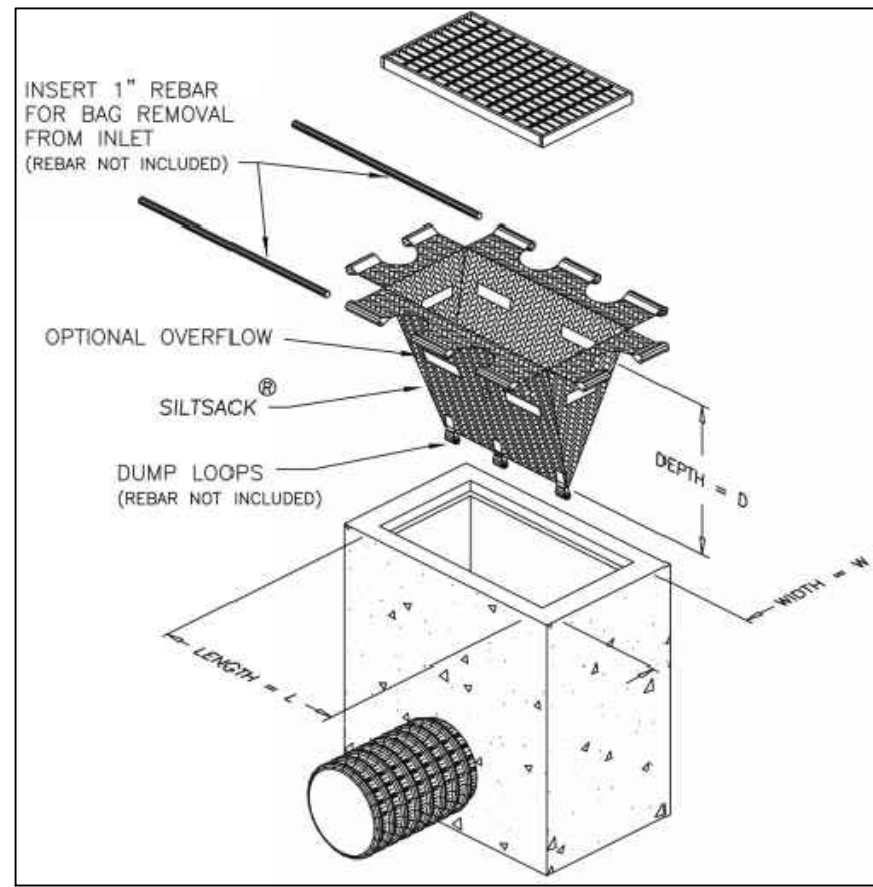
<u>LEGEND</u>	
	PROPERTY LINE
	EXISTING $\frac{1}{4}$ OF ROAD
	EXISTING EDGE OF GRAVEL
	EXISTING EDGE OF PAVEMENT
	300mm MINIMUM EXISTING TREE
	EXISTING FENCE
	EXISTING UTILITY POLE
	SILT FENCE AS PER OPSPD 219.110



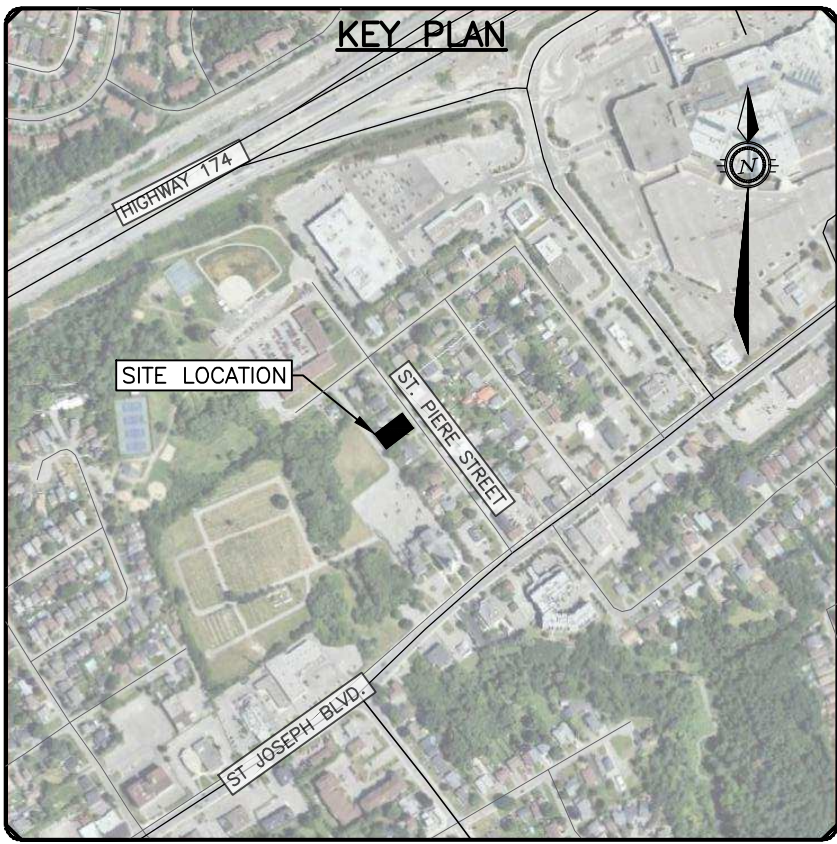
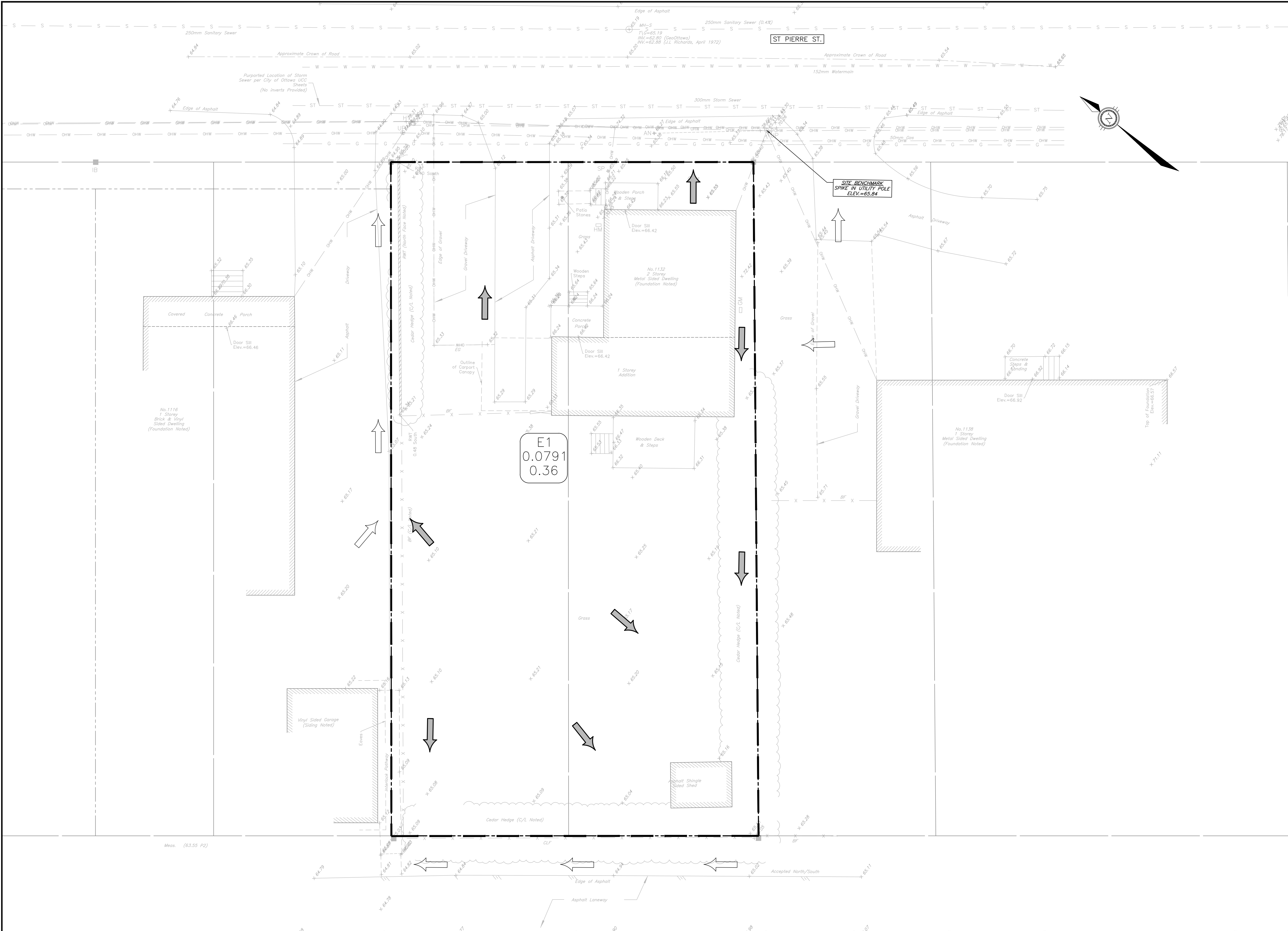
NOTES:

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 GPSS 8005 STANDARDS.
8. SILT FENCE MUST BE INSTALLED IN CONFORMANCE 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.

FILTER BAG DETAIL
N.T.S



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



LEGEND	
	PROPERTY LINE
	ONSITE OVERLAND FLOW ROUTE
	EXTERNAL OVERLAND FLOW ROUTE
	AREA NO AREA IN HECTARES RUNOFF COEFFICIENT
	CATCHMENT AREA

CAUTION
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REV	REVISION DESCRIPTION	DATE	BY	APPD	REV	REVISION DESCRIPTION	DATE	BY	APPD
					2	RE-ISSUED FOR SPA	11/10/24	AGJ	AJ
					1	SPA	06/08/24	AGJ	AJ

SCALE	DESIGNED BY
NORTH	

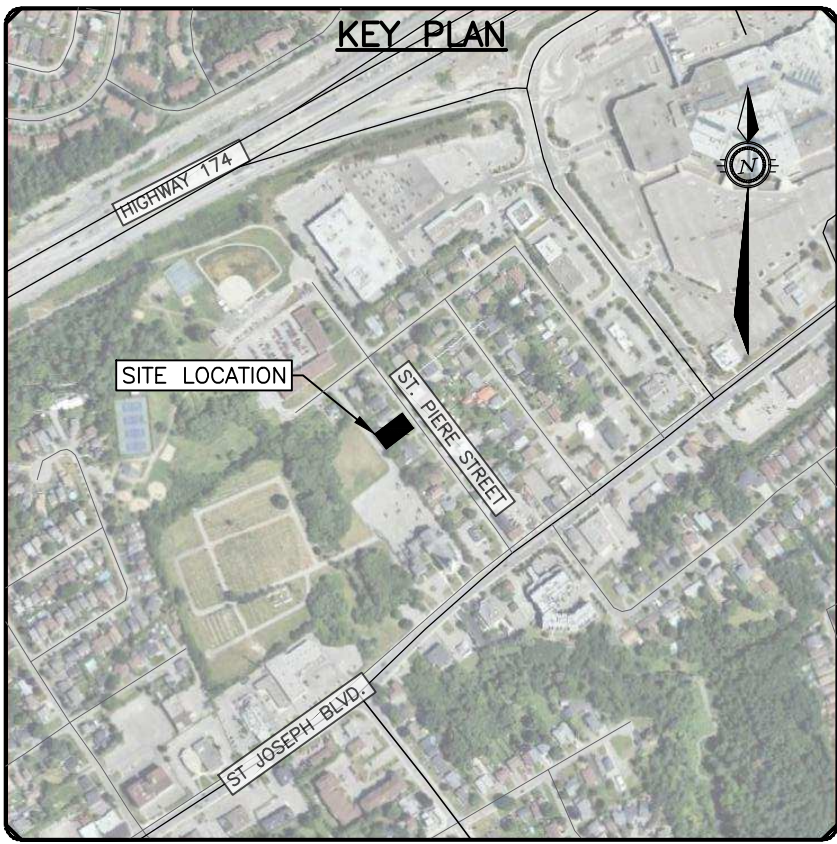
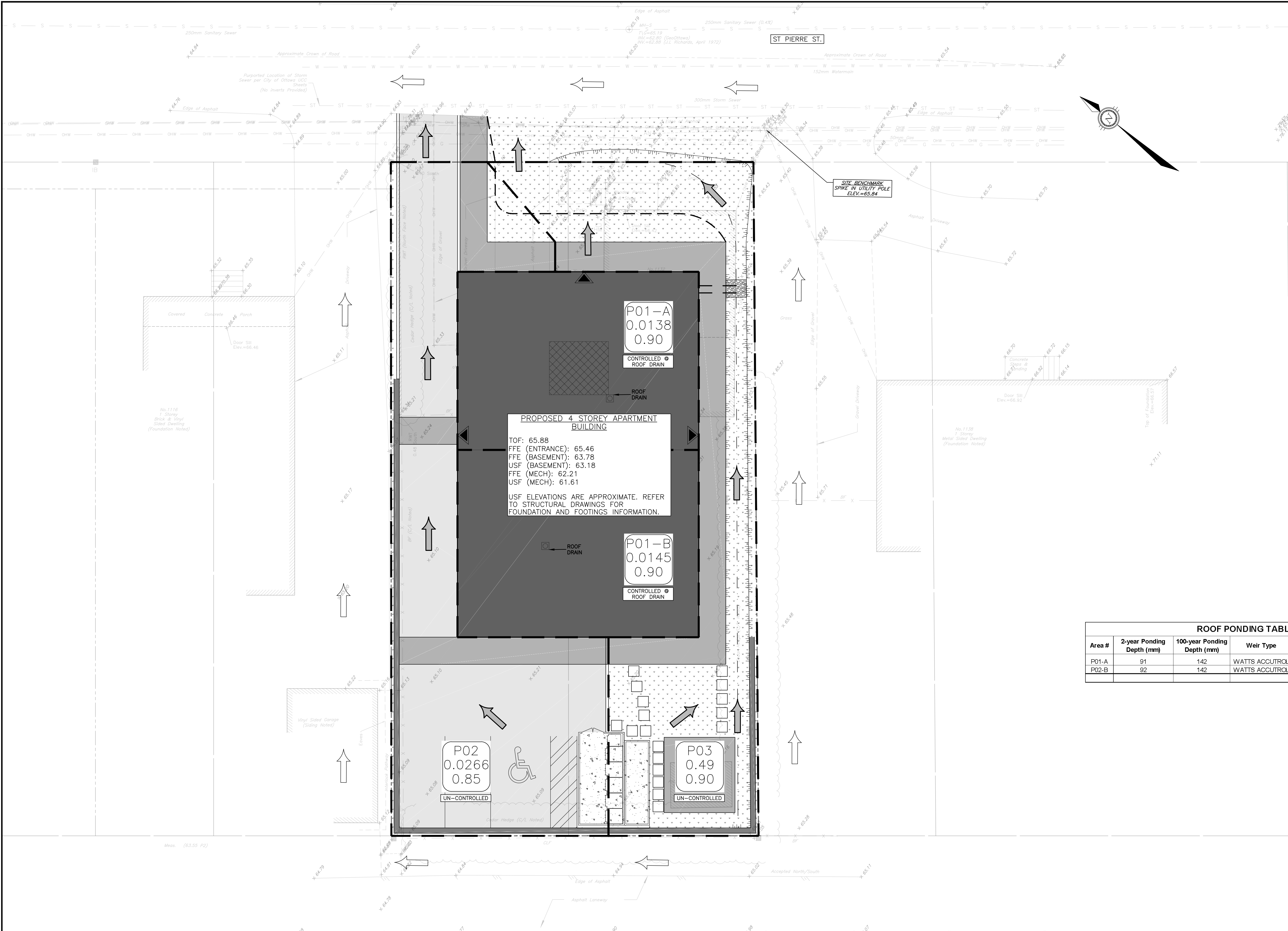
REVIEWED BY	CLIENT

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exp. Services Inc.	
exp. Services Inc. 1-813-888-1890 F +1-613-225-7330 3600 University Ave., Unit 100 Ottawa, ON K2B 8K6 Canada www.exp.com	
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BASEPLAN	PROJECT
AGJ	1132 ST. PIERRE OTTAWA, ONTARIO. K1C 1L5
AGJ	
AJ	
AGJ	
PROJECT MANAGER AJ	
APPROVED AA	

DATE	TITLE	DRAWING No.
31/07/24	PRE-DEVELOPMENT CATCHMENTS	C400

PROJECT No.	OTT-24006873-A0
SURVEY	AOV
DATE	31/07/24
DRAWING No.	C400



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

--- PROPOSED SURFACE PONDING

ROOF PONDING TABLE					
Area #	2-year Ponding Depth (mm)	100-year Ponding Depth (mm)	Weir Type	No of Weirs per Drain	Weir Position
P01-A	91	142	WATTS ACCUTROL	1	1/4 open
P02-B	92	142	WATTS ACCUTROL	1	1/4 open

CAUTION

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					2	RE-ISSUED FOR SPA	11/10/24	AGJ	AJ
					1	SPA	06/08/24	AGJ	AJ

SCALE

0 1m 2m 4m

HORIZONTAL 1:100

NORTH

DESIGNED BY

REVIEWED BY

CLIENT

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BASEPLAN	AGJ	PROJECT	1132 ST. PIERRE OTTAWA, ONTARIO. K1C 1L5	PROJECT No. OTT-2406873-AQ
DESIGN	AGJ	SURVEY	AOV	DATE 31/07/24
CHECKED	AJ	TITLE	POST-DEVELOPMENT CATCHMENTS	DRAWING No. C500
CAD	AGJ			
PROJECT MANAGER	AJ			
APPROVED	AA			

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