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Legend

- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING FIRE HYDRANT
- EXISTING SANITARY MH AND SEWER
- EXISTING STORM MH AND SEWER
- EXISTING CATCHBASIN
- REMOVAL ITEMS

Notes

1. EXISTING AS-RECORDED SEWER AND WATER INFORMATION HAS BEEN DERIVED FROM AS-BUILT INFORMATION PROVIDED BY THE CITY OF OTTAWA.
2. CONTRACTOR TO VERIFY AS-RECORDED INFORMATION AND IMMEDIATELY REPORT ANY DISCREPANCIES OR CONFLICTS TO CIVIL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. DRAWING IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF SITE DEMOLITION REQUIREMENTS. THE CONTRACTOR IS ADVISED TO VISIT THE SITE AND REVIEW FULL DEMOLITION REQUIREMENTS ON-SITE.

Revision	By	Appd.	Date
3	TM	PM	23.08.30
2	TM	PM	23.04.25
1	TM	-	23.04.04

File Name:	SS	TM	TM	Date
160401787				23.04.04

Permit-Seal

Client/Project
PROJECT1 STUDIO

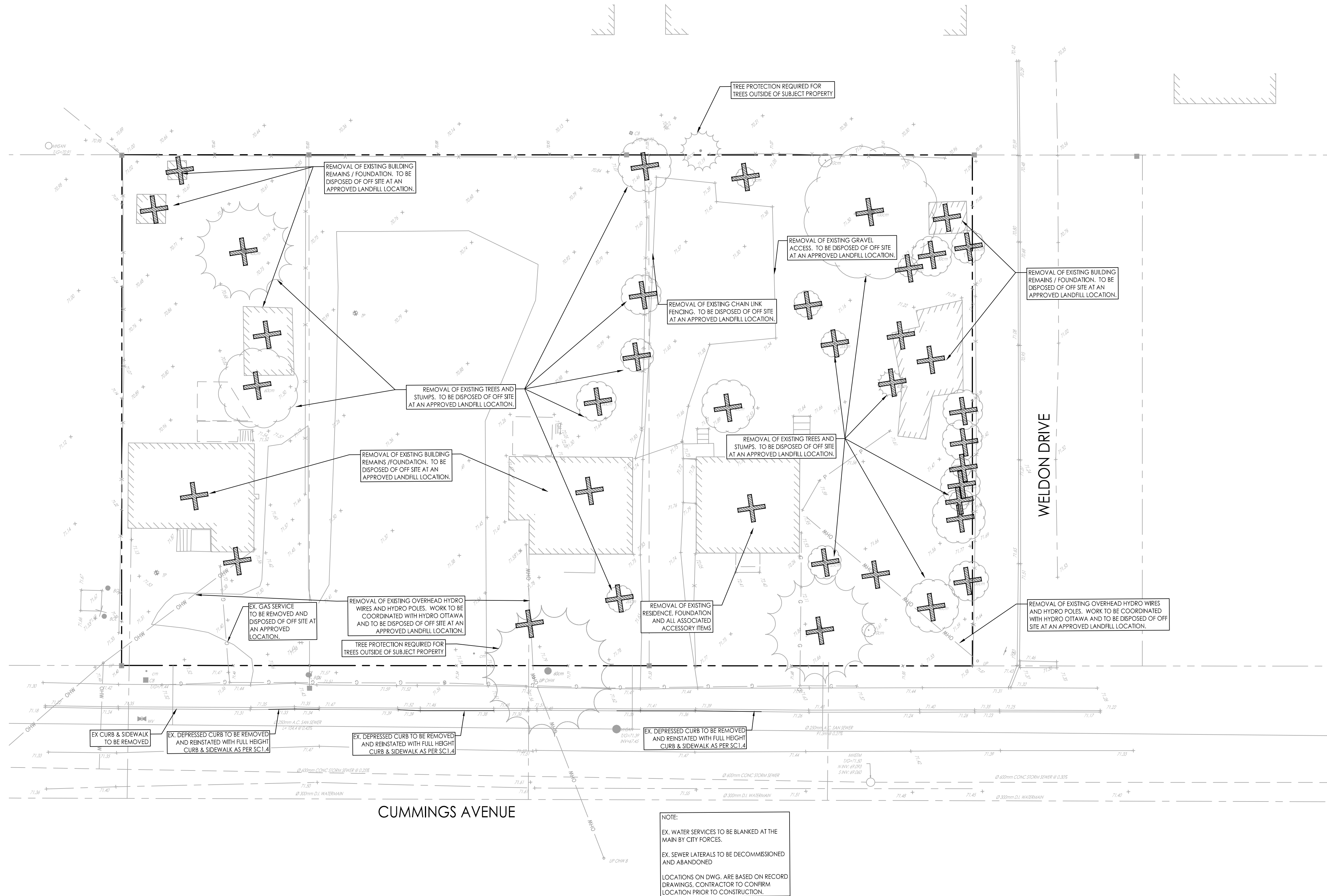
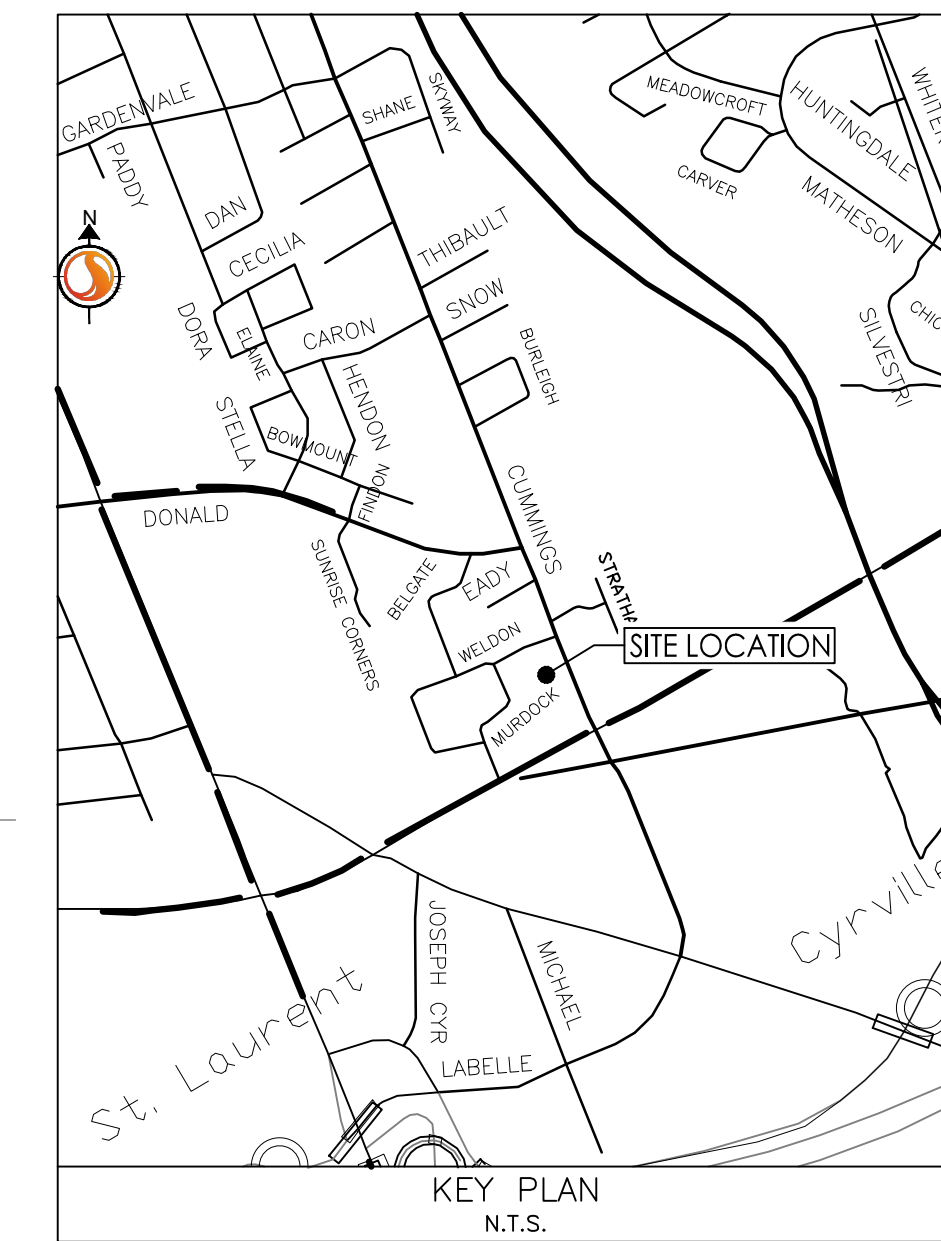
1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title
EXISTING CONDITIONS AND REMOVALS

Project No.	Scale	Sheet	Revision
160401787	1:200	1 of 7	3

EX-1 1 of 7 3





SCHEDULE OF ROOF RELEASE RATES						
DRAINAGE AREA ID	DRAIN TYPE	# DRAINS	5YR HEAD (m)	100 YEAR HEAD (m)	5YR RELEASE RATE (L/s)	100 YEAR RELEASE RATE (L/s)
BLDG	WATTS ACCUTROL (50% OPEN)	6	0.11	0.15	6.16	7.55

SEWER AND WATERMAIN CROSSING TABLE							
CROSSING	STM INV	STM OBY	SAN INV	SAN OBY	WTR BEM	WTR TOP	NOTES
1	69.10	69.70	-	-	70.10	70.25	DEFLECT WATER OVER STORM (AS PER W25.2)
2	69.11	69.71	-	-	70.10	70.25	DEFLECT WATER OVER STORM (AS PER W25.2)
3	69.12	69.72	-	-	70.10	70.25	DEFLECT WATER OVER STORM (AS PER W25.2)
4	-	-	67.52	67.77	69.00	69.15	
5	-	-	67.53	67.78	69.00	69.15	
6	-	-	67.54	67.79	69.00	69.15	
7	69.55	69.85	67.34	67.59	-	-	

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

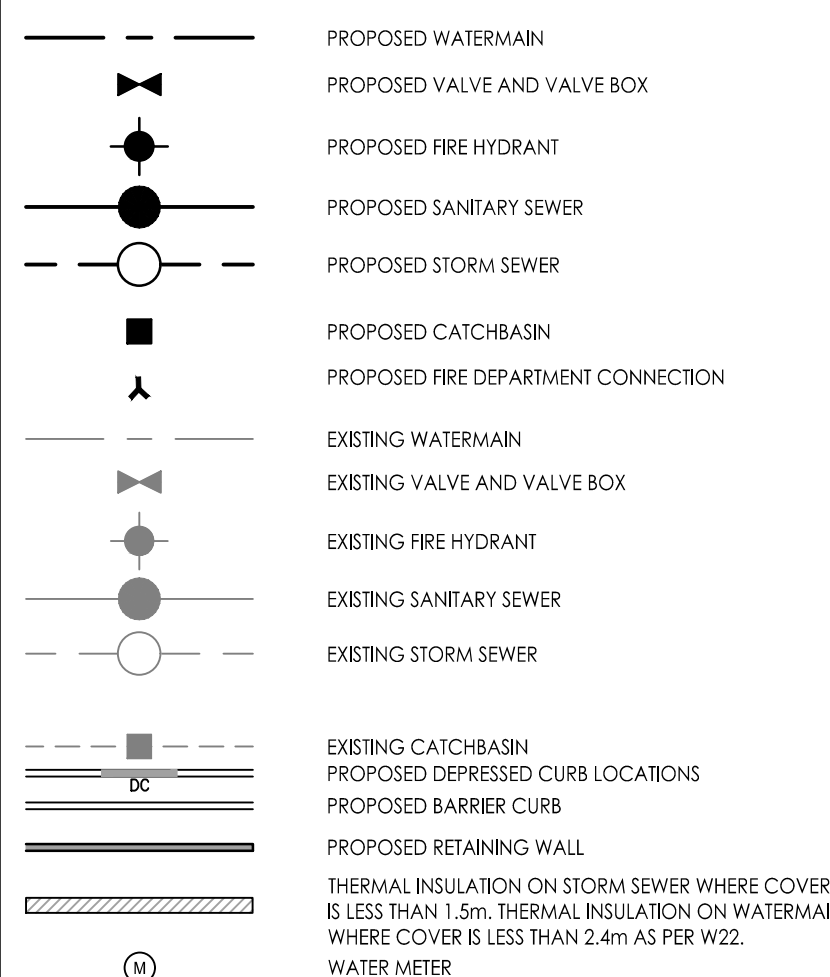


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Legend



Notes

NO.	DESCRIPTION	DATE	BY	APPD.
3	SITE CONTROL	TM	PM	23.08.30
2	SITE CONTROL	TM	PM	23.04.25
1	ISSUED FOR COORDINATION	TM	-	23.04.04

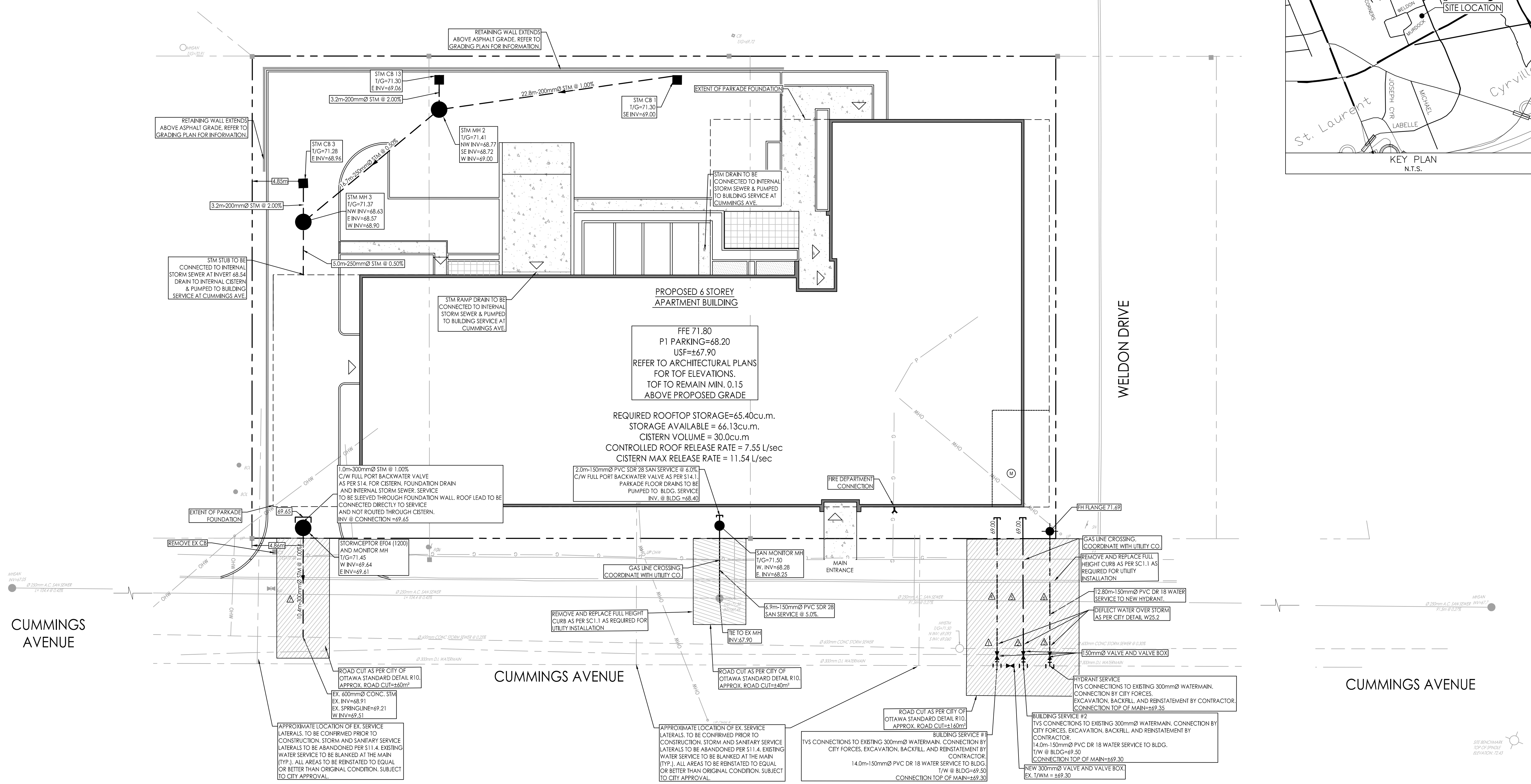
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NO.	DESCRIPTION	DATE	BY	APPD.
1	ISSUED FOR COORDINATION	TM	-	23.04.04

Permit-Seal				
File Name:	SS	TM	TM	23.04.04
160401787	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project				
PROJECT STUDIO				
1184 CUMMINGS AVENUE				
GLOUCESTER, ON				

Title				
SITE SERVICE PLAN				

Project No.		Scale	
160401787	1:200	0 2 6 10m	
Drawing No.		Sheet	
SSP-1	2 of 7		
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			3



- STORM AND SANITARY SEWERS**
- SEWER TRENCH SHALL CONSIST OF CLASS 'B' BEDDING PER CITY OF OTTAWA STANDARDS 56 AND 57. COMPACTION SHALL BE A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
 - FOR CONSTRUCTION DETAILS NOT SHOWN ON PLANS, REFERENCE SHALL BE MADE TO THE ONTARIO PROVINCIAL STANDARDS DRAWINGS AND CITY OF OTTAWA STANDARDS.
 - SERVICES TO BUILDINGS TO BE TERMINATED 1.0m FROM THE FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR IS TO PROVIDE CCTV CAMERA INSPECTIONS OF ALL SANITARY AND STORM SEWERS, INCLUDING PICTORIAL REPORT, ONE (1) CD COPY AND TWO (2) VIDEO TAPES IN A FORMAT SATISFACTORY TO THE ENGINEER. ALL SEWERS ARE TO BE FLUSHED PRIOR TO CAMERA INSPECTION. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
 - LASER ALIGNMENT CONTROL TO BE UTILIZED ON ALL SEWER INSTALLATIONS.
 - FROST PROTECTION PER CITY OF OTTAWA STANDARD DRAWING W22 WHERE THERE IS LESS THAN 2.1m OF COVER ABOVE THE SEWER SERVICES.
 - CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPS5 410 AND OPS5 407. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
 - STORM SERVICE CONNECTION AS PER CITY STD DWG S11.1; SANITARY SERVICE CONNECTION AS PER CITY STD DWG S11.1. SERVICES TO CONNECT TO THE OVERTOP OF THE MAIN UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO VERIFY EXISTING SEWERS AND INVERTS, AND REPORT ANY DISCREPANCIES TO SITE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
 - STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1, AND S25. STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPERS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPERS.

- WATER SUPPLY SERVICING**
- THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.
 - WATER SERVICE TO BE INSTALLED 1.0m OFF BUILDING FACE. STAND POST TO BE INSTALLED AT PROPERTY LINE AS SHOWN ON DRAWINGS.
 - WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL TO BE SPECIFIED BY PROJECT GEOTECHNICAL CONSULTANT.
 - SEWER CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED STRUCTURES AND WATER SERVICES ON THE W/M STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED (AS PER CITY OF OTTAWA W22 & W23).
 - CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.
 - ALL WATERMAIN BENDS, JOINTS, TEES AND PLUGS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
 - WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.
 - WATERMANS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES AND THE APPLICABLE BUILDING AND PLUMBING CODE. WHERE HORIZONTAL SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED AND A MINIMUM 500mm VERTICAL SEPARATION MUST BE MAINTAINED.
 - ALL WATERMANS SHALL BE BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES. ALL DISCHARGED WATER TO BE DISCHARGED AND PRETREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE CONTROLLED AND TREATED SO AS NOT TO ADVERSELY AFFECT THE ENVIRONMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MUNICIPAL AND/OR PROVINCIAL REQUIREMENTS ARE FOLLOWED.

- GENERAL NOTES**
- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
 - ALL WORK AND MATERIALS TO CONFORM WITH CURRENT MINISTRY OF THE ENVIRONMENT & ENERGY OF ONTARIO, CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
 - THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND COORDINATION WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
 - THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH UTILITY PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS EXPENSE.
 - ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
 - ALL DISTURBED AREAS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER AND THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY STANDARD R10, OPSD 509.010 AND OPS5 310.
 - BENCHMARKS: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON DRAWING GP-1.
 - THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVICING, GRADING, AND SITE ELECTRICAL DWGS.
 - EXISTING STORM AND SANITARY SERVICE LATERALS TO BE ABANDONED PER S11.4. EXISTING WATER SERVICE TO BE BLANKED AT THE MAIN (TYP.)
 - TOPOGRAPHIC SURVEY SUPPLIED BY STANTEC GEOMATICS LTD. DATED MARCH 16, 2023. BENCHMARK 1: TOP OF SPINDLE LOCATED EAST OF CUMMINGS AVE. AND NORTH OF THE PROPOSED DEVELOPMENT WITH AN ELEVATION OF 72.43. ELEVATIONS SHOWN HEREON ARE GEODESTIC (CGVD-1928:1978) AND ARE DERIVED FROM THE CANNET VRS NETWORK MONUMENT: OTTAWA ELEVATION=95.230.
 - SITE PLAN PREPARED BY PROJECT1 STUDIO DATED MARCH 31, 2023 DRAWING NO. SP-01.
 - GEOTECHNICAL INVESTIGATION PG404-1 PREPARED BY PATERSON GROUP DATED MARCH 27, 2023. GEOTECHNICAL INFORMATION PRESENTED ON THESE DRAWINGS MAY BE INTERPOLATED FROM THE ORIGINAL REPORT. REFER TO ORIGINAL GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND TO VERIFY ASSUMPTIONS MADE HERE.
 - FINAL METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
 - EXISTING AS-RECORDED SEWER AND WATER INFORMATION HAS BEEN DERIVED FROM AS-BUILT INFORMATION PROVIDED BY THE CITY OF OTTAWA.
 - CONTRACTOR TO VERIFY AS-RECORDED INFORMATION AND IMMEDIATELY REPORT ANY DISCREPANCIES OR CONFLICTS TO CIVIL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - 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 SHALL PROVIDE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS.
 - SERVICE SIZES AND ELEVATIONS TO BE CONFIRMED BY MECHANICAL ENGINEER.
 - INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
 - UNDERGROUND PARKING STRUCTURE FLOOR DRAINS TO BE CONNECTED TO SANITARY SEWER SERVICE.

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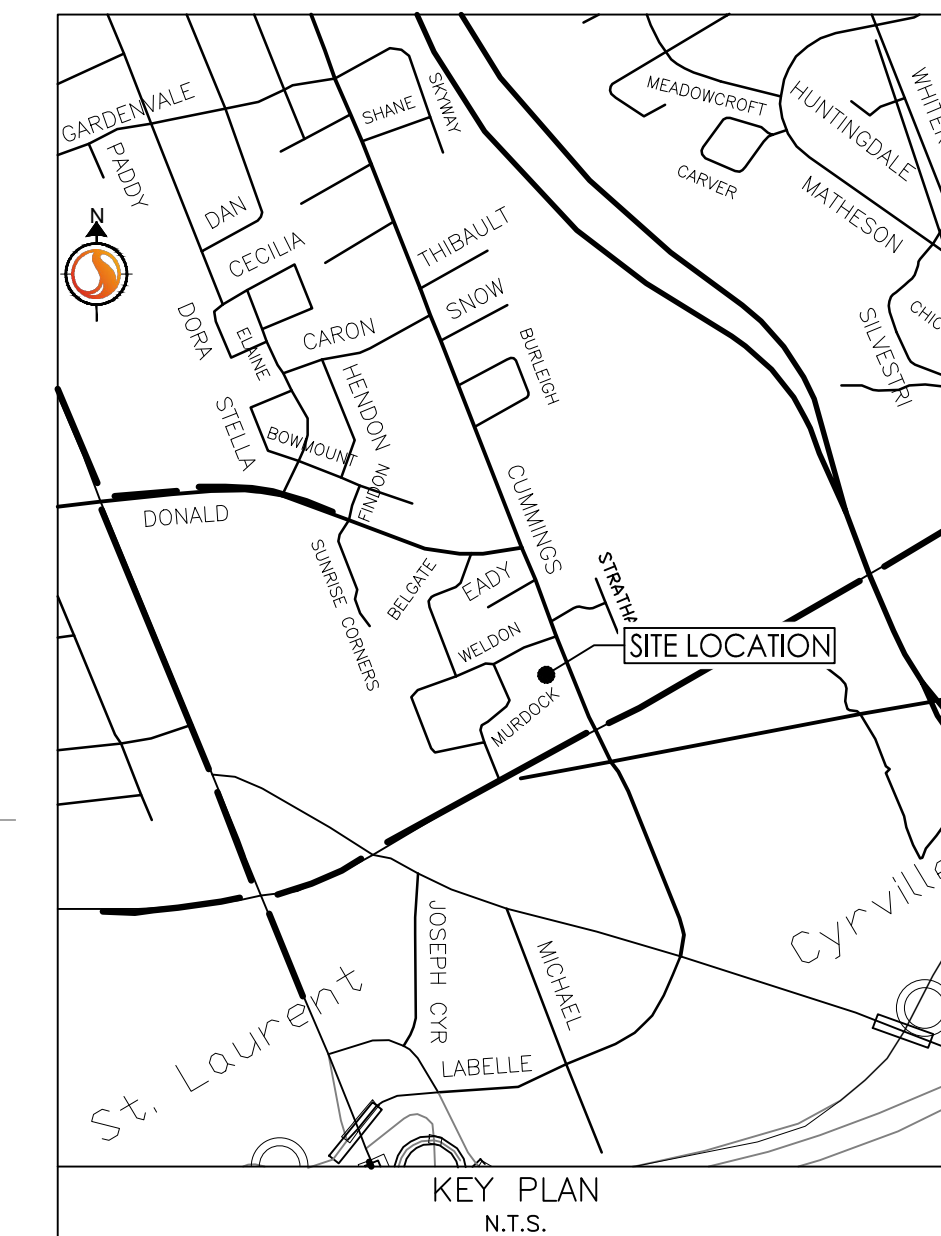


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Legend

- ORIGINAL GROUND ELEVATION
- PROPOSED ELEVATION
- PROPOSED LOT CORNER ELEVATION
- EXISTING ELEVATION AT LOT CORNER
- FLOW DIRECTION AND GRADE
- PROPOSED SWALE
- FINISHED FIRST FLOOR ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- TERACING 3:1 SLOPE MAXIMUM (UNLESS OTHERWISE SHOWN)
- DIRECTION OF OVERLAND FLOW
- PROPOSED VALVE BOX
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED DEPRESSED CURB LOCATION
- PROPOSED BARRIER CURB
- MAX EMERGENCY PONDING LIMITS
- CONCRETE SIDEWALK
- INTERLOCKING STONE PAVERS
- SOFT LANDSCAPING
- APPROXIMATE LOCATION OF PROPOSED ROOF DRAIN. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

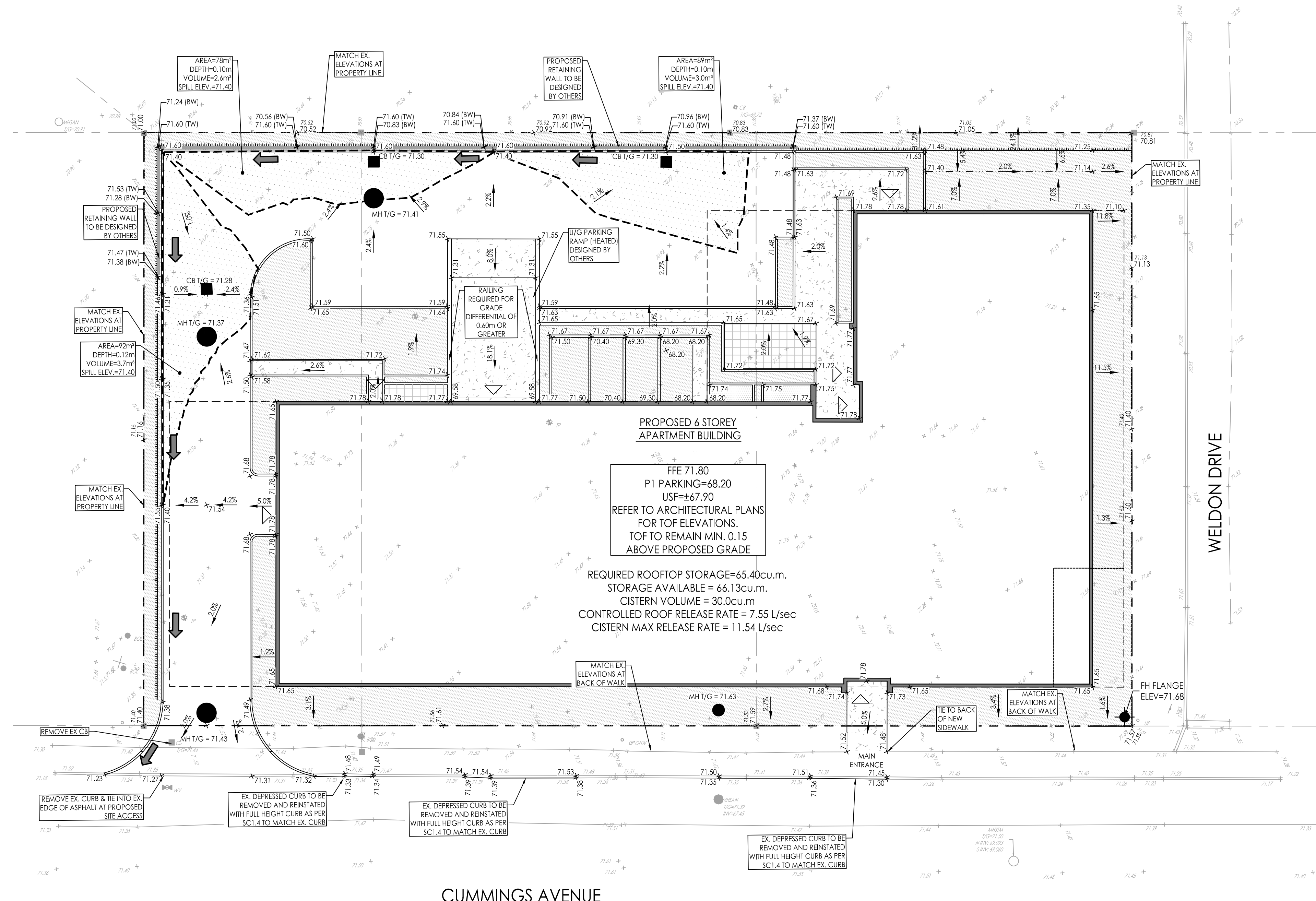


Notes

- SITE GRADING**
- ALL GRANULAR BASE & SUB-BASE COURSE MATERIALS SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAX. DRY DENSITY.
 - ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH SOG ON MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
 - INSPECTIONS: ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMANS AND SEWERS TO BE INSPECTED BY THE MUNICIPALITY WHEN REQUIRED.
 - REFER TO ARCHITECTURAL SITE PLAN FOR DIMENSIONS AND SITE DETAILS.
 - CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY.
 - EMBANKMENTS TO BE SLOPED AT MIN. 3:1, UNLESS OTHERWISE SPECIFIED.
 - ALL TREES ON THE RIGHT-OF-WAY ARE TO BE MAINTAINED BEFORE AND AFTER CONSTRUCTIONS AND ALL TREES WITHIN THE PROPERTY SHALL BE PROTECTED AS PER THE MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAW AND THE URBAN TREES CONSERVATION BY-LAW AS AMENDED FROM TIME TO TIME.
 - ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH ARCHITECT AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
 - SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.15m LAYERS.
 - NO ALTERATION TO EXISTING GRADES OR DRAINAGE PATTERN ON PROPERTY LINE MAY BE MADE WHERE NO PERMISSION TO ENTER ADJACENT PROPERTY EXISTS.
 - NO EXCESS DRAINAGE, DURING AND AFTER CONSTRUCTION, IS TO BE DIRECTED TOWARDS NEIGHBOURING PROPERTIES.
 - UNDERSIDE-OF-FOOTING TO HAVE MINIMUM COVER OF 1.5m. WHERE SUFFICIENT COVER IS NOT PROVIDED, FOOTINGS ARE TO BE INSULATED TO PROVIDED EQUIVALENT INSULATION.
 - PAVEMENT RENOVATION FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSD 310.
 - ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY STRUCTURAL ENGINEER.
 - FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.
 - PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION #PG6404-1 COMPLETED BY PATERSON GROUP ON MARCH 27, 2023.

AREAS SUBJECT TO CARS AND LIGHT TRUCKS (PARKING AREA)
50mm HLB OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
150mm OPS GRANULAR A CRUSHED STONE
300mm OPS GRANULAR B TYPE II

AREAS SUBJECT TO CARS AND LIGHT TRUCKS (DRIVEWAYS)
40mm HLB OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
50mm HLB OR SUPERPAVE 19.0 ASPHALTIC CONCRETE
150mm OPS GRANULAR A CRUSHED STONE
400mm OPS GRANULAR B TYPE II



CUMMINGS AVENUE

WELDON DRIVE

PROPOSED 6 STOREY APARTMENT BUILDING
FFE 71.80
P1 PARKING=68.20
USF=±67.90
REFER TO ARCHITECTURAL PLANS FOR TOF ELEVATIONS.
TOF TO REMAIN MIN. 0.15 ABOVE PROPOSED GRADE

REQUIRED ROOFTOP STORAGE=65.40cu.m.
STORAGE AVAILABLE = 66.13cu.m.
CISTERN VOLUME = 30.0cu.m
CONTROLLED ROOF RELEASE RATE = 7.55 L/sec
CISTERN MAX RELEASE RATE = 11.54 L/sec

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3	TM	PM	23.08.30
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Permit-Seal

Client/Project
PROJECT1 STUDIO

1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title
SITE GRADING PLAN

Project No.	Scale	Sheet	Revision
160401787	1:200	3 of 7	3

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Legend

- PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110
- PROPOSED CONSTRUCTION FENCE AS PER DETAIL
- PROPOSED CATCH BASIN PROTECTION AS PER TERRAFIX SILTSACK DETAIL
- PROPOSED MUD MAT LOCATION
- PROPOSED STORM SEWER MANHOLE
- PROPOSED CATCHBASIN

Best Management Practices

CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROTECT FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE. DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
4. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
5. INSTALL CATCH BASIN INSERTS OR EQUIVALENT IN ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND IN ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
6. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. (LOCATION TO BE DETERMINED)
7. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
8. SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINSTATED AS SOON AS CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT EXISTING STORM AND SANITARY SEWER SYSTEMS, OR DOWNSTREAM WATERCOURSES.
9. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERCOURSE.
10. CONTRACTOR SHALL REMOVE SEDIMENT CONTROL MEASURES WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURES IS NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
11. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
12. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
13. CONTRACTOR SHALL INSTALL MUD MATS AT ALL CONSTRUCTION ENTRANCES TO THE SITE.
14. STORMWATER SWALES TO BE COVERED WITH HYDRO-SEED AND MULCH.

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PROJECT1 STUDIO

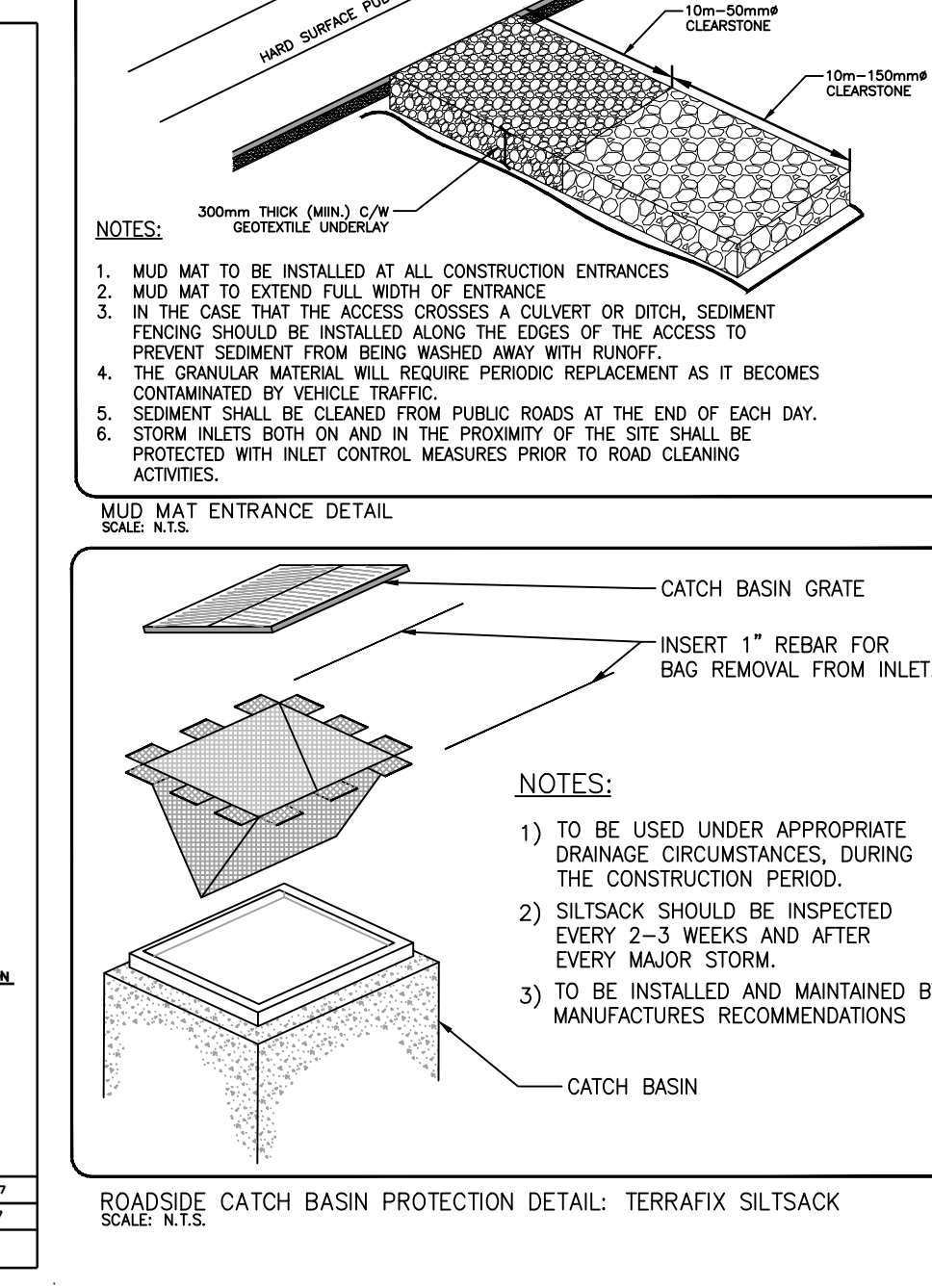
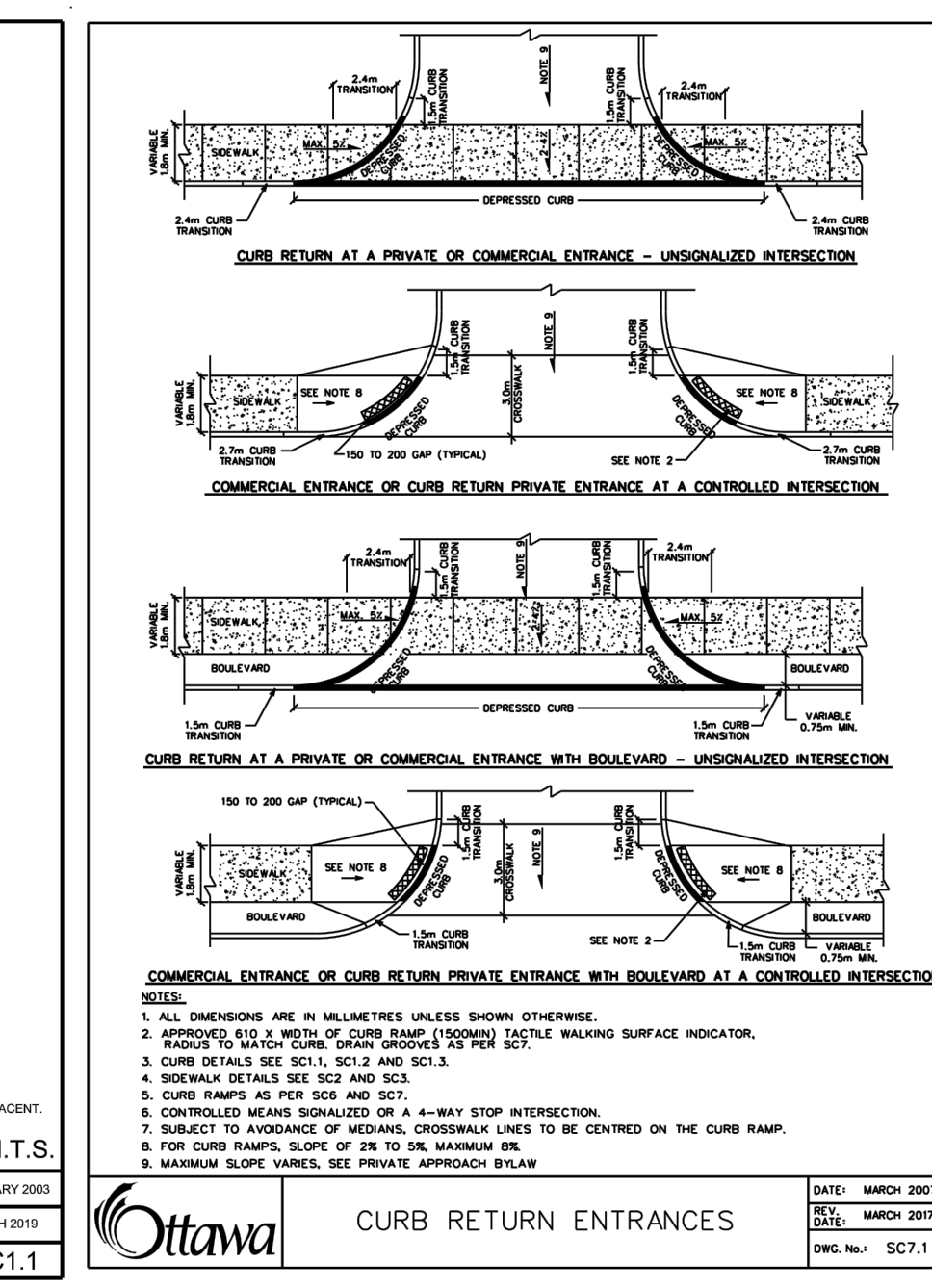
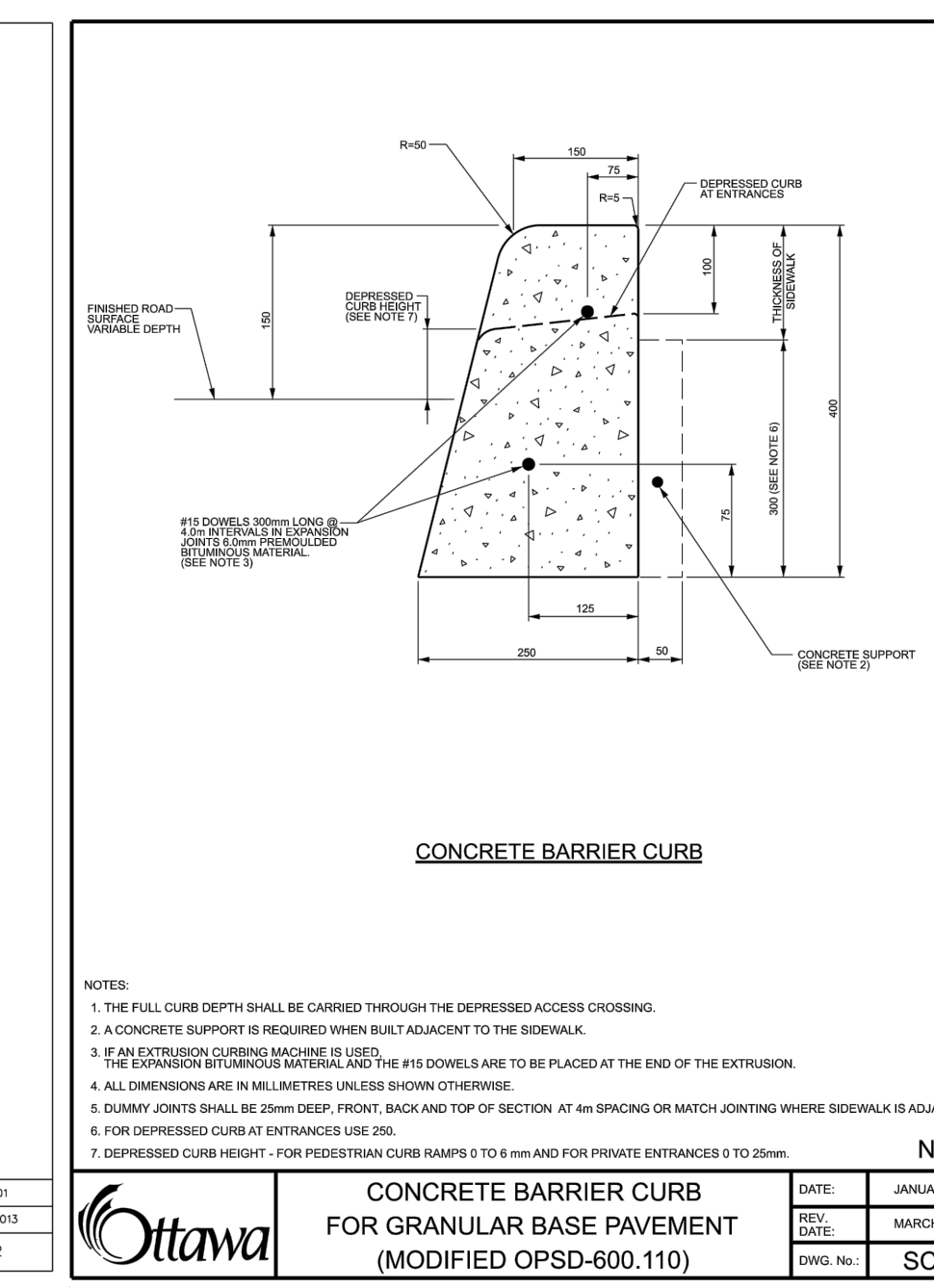
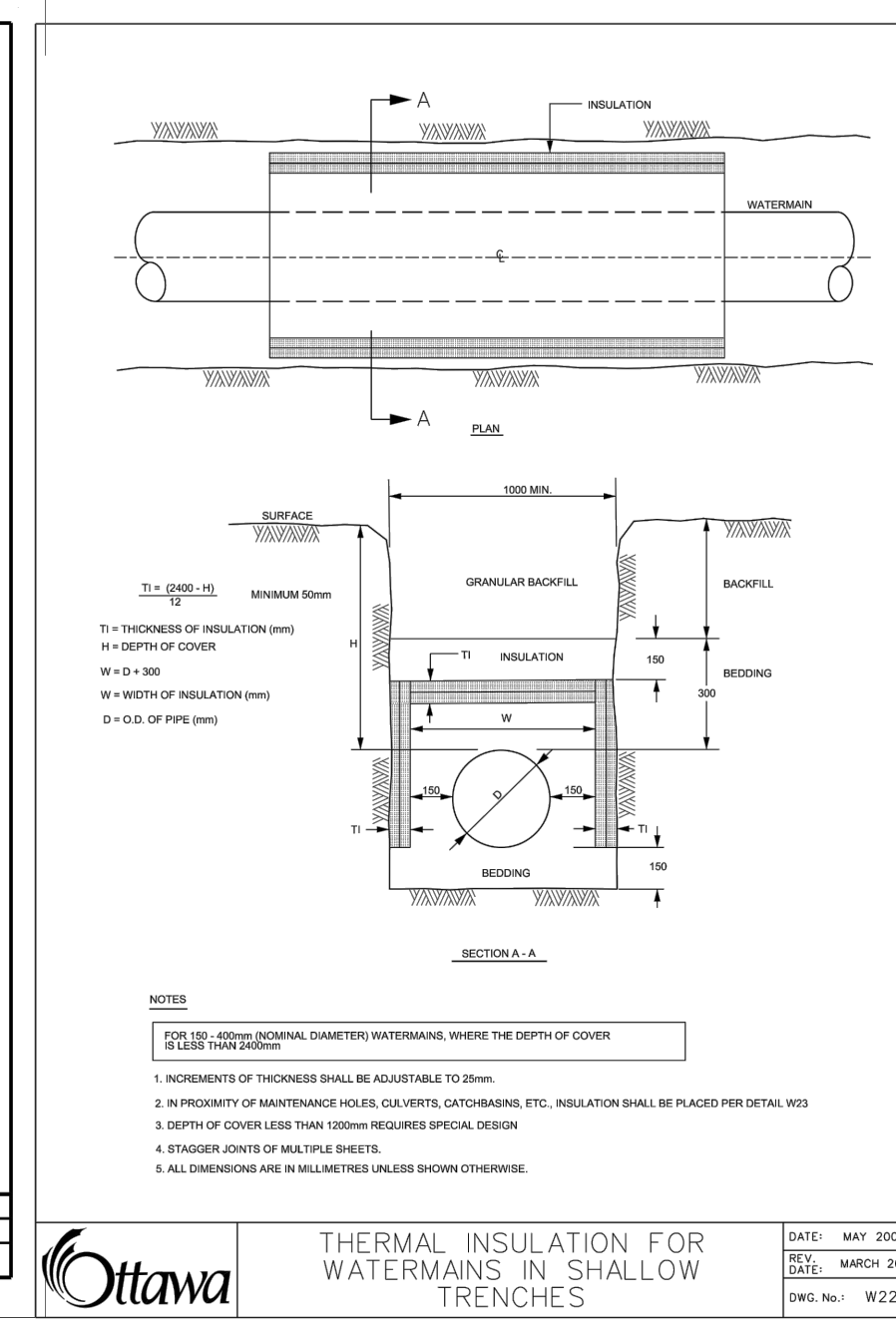
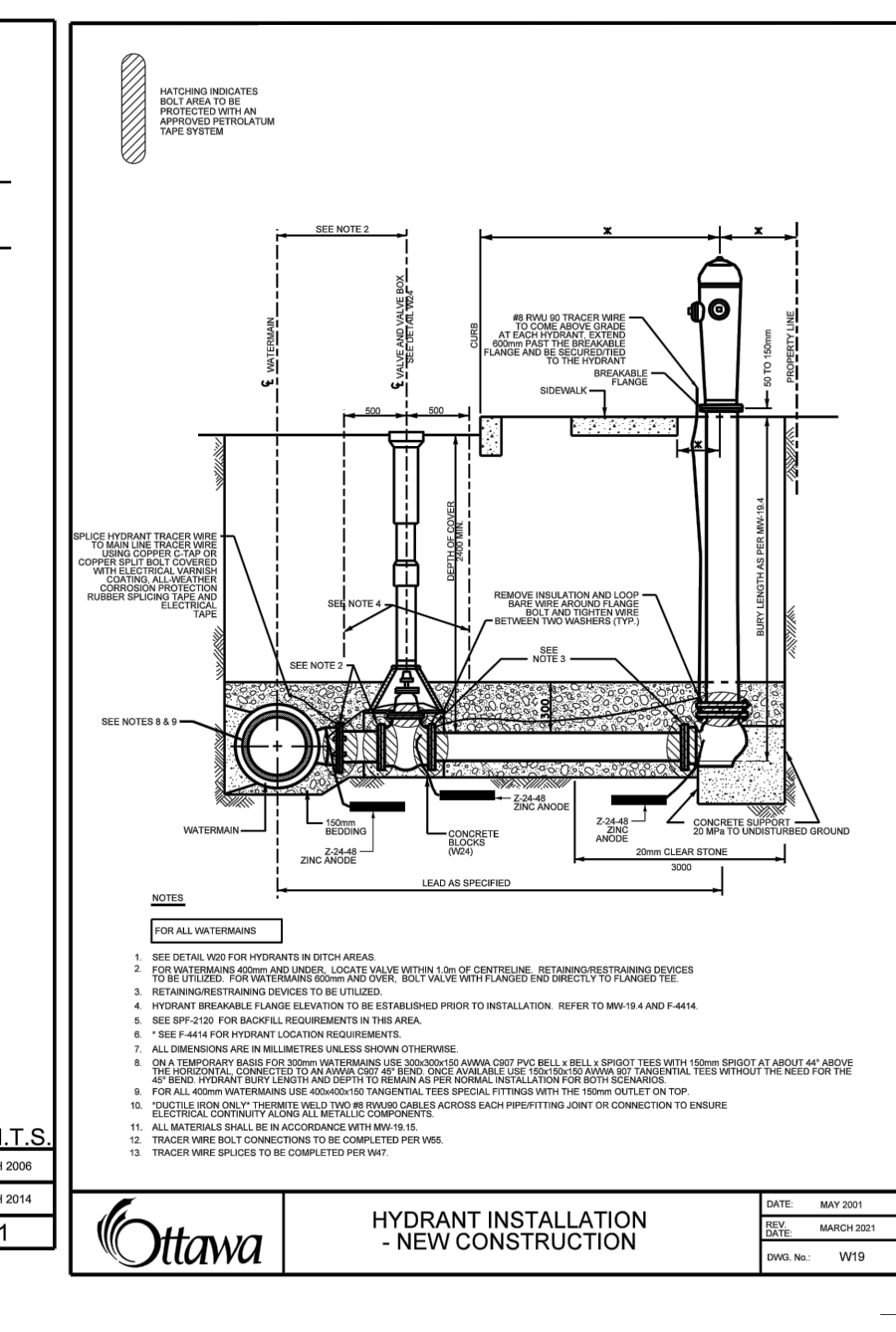
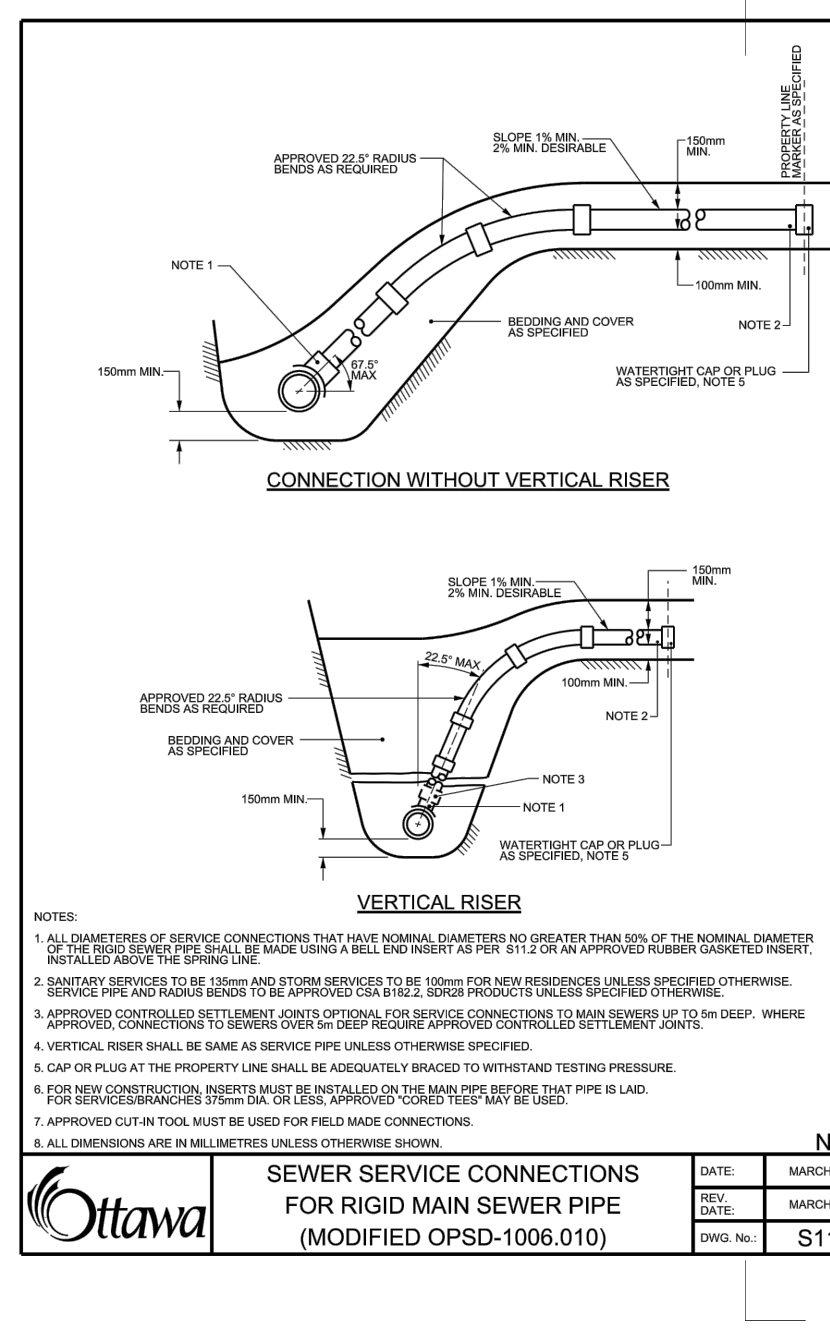
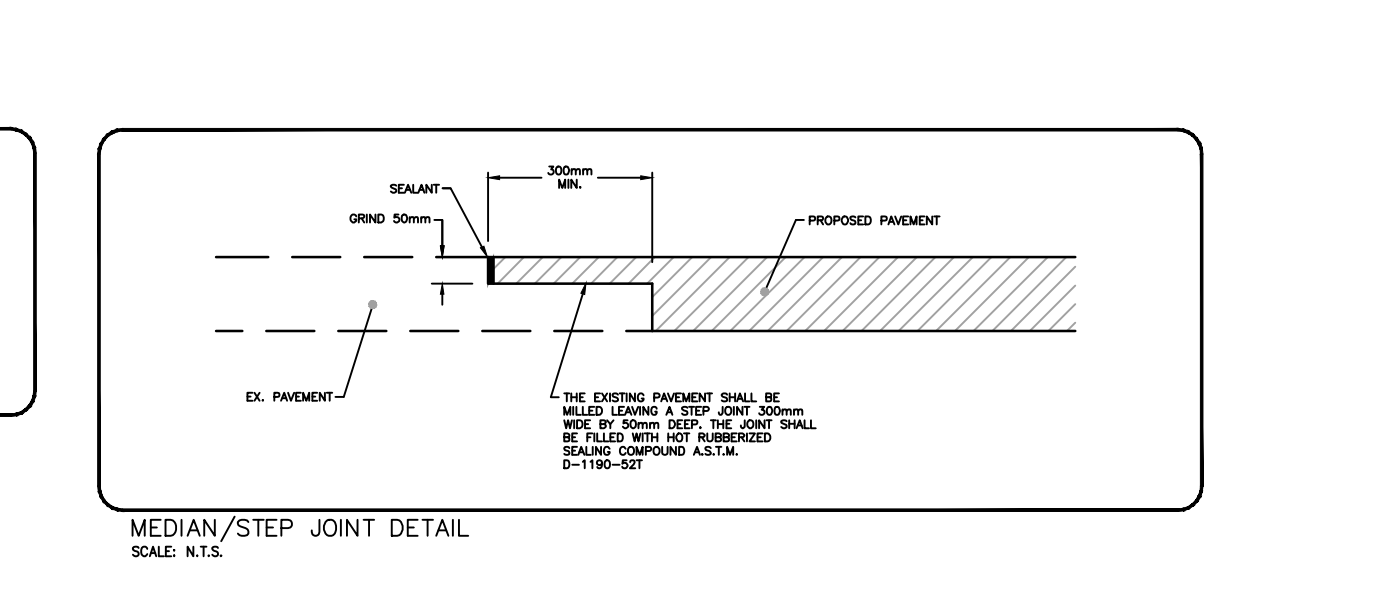
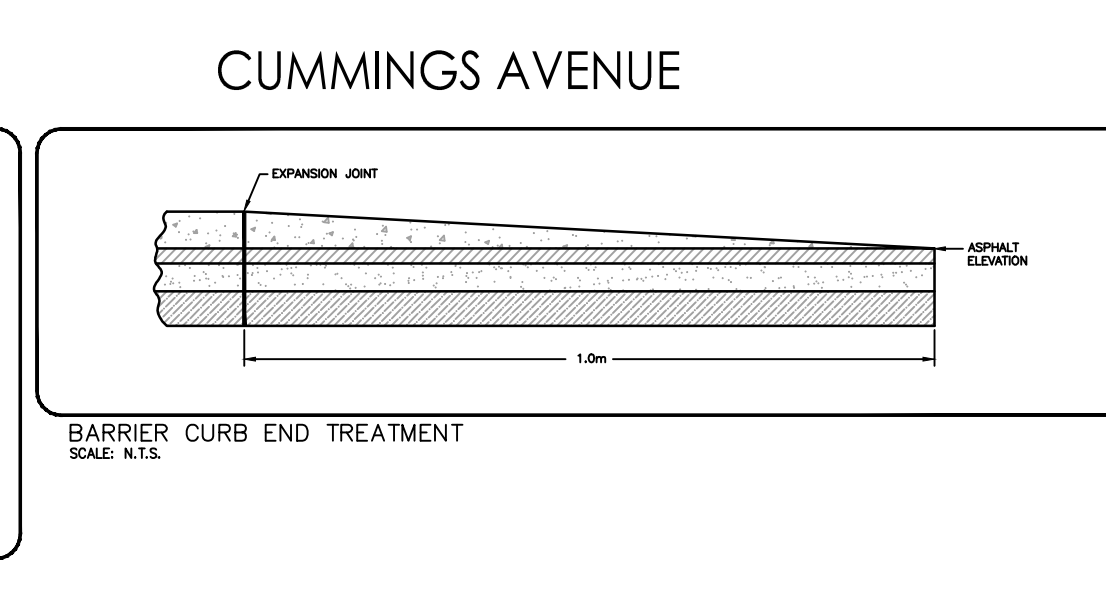
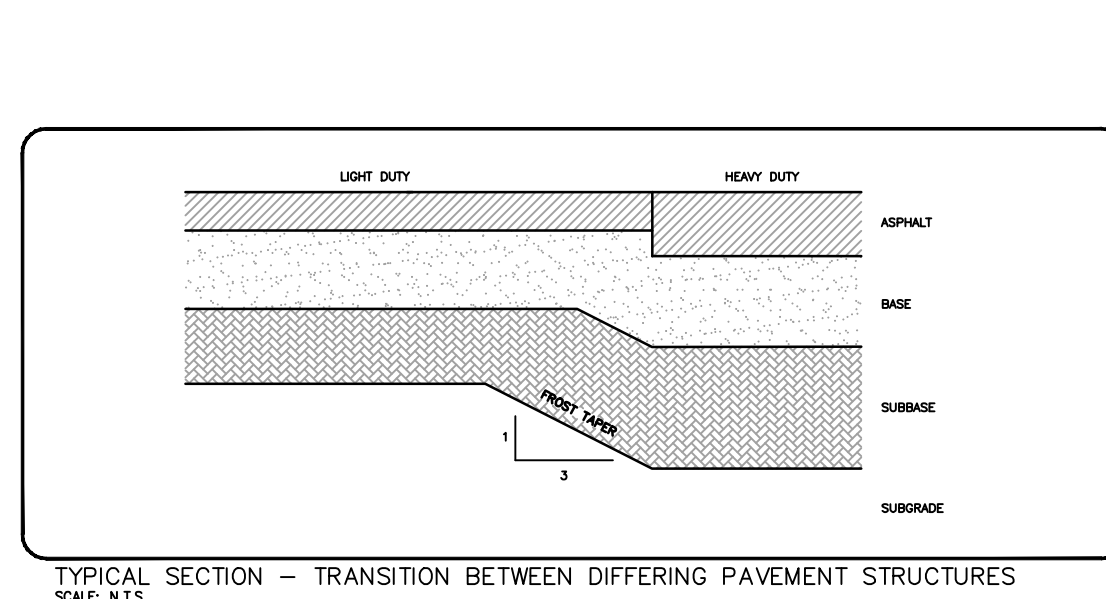
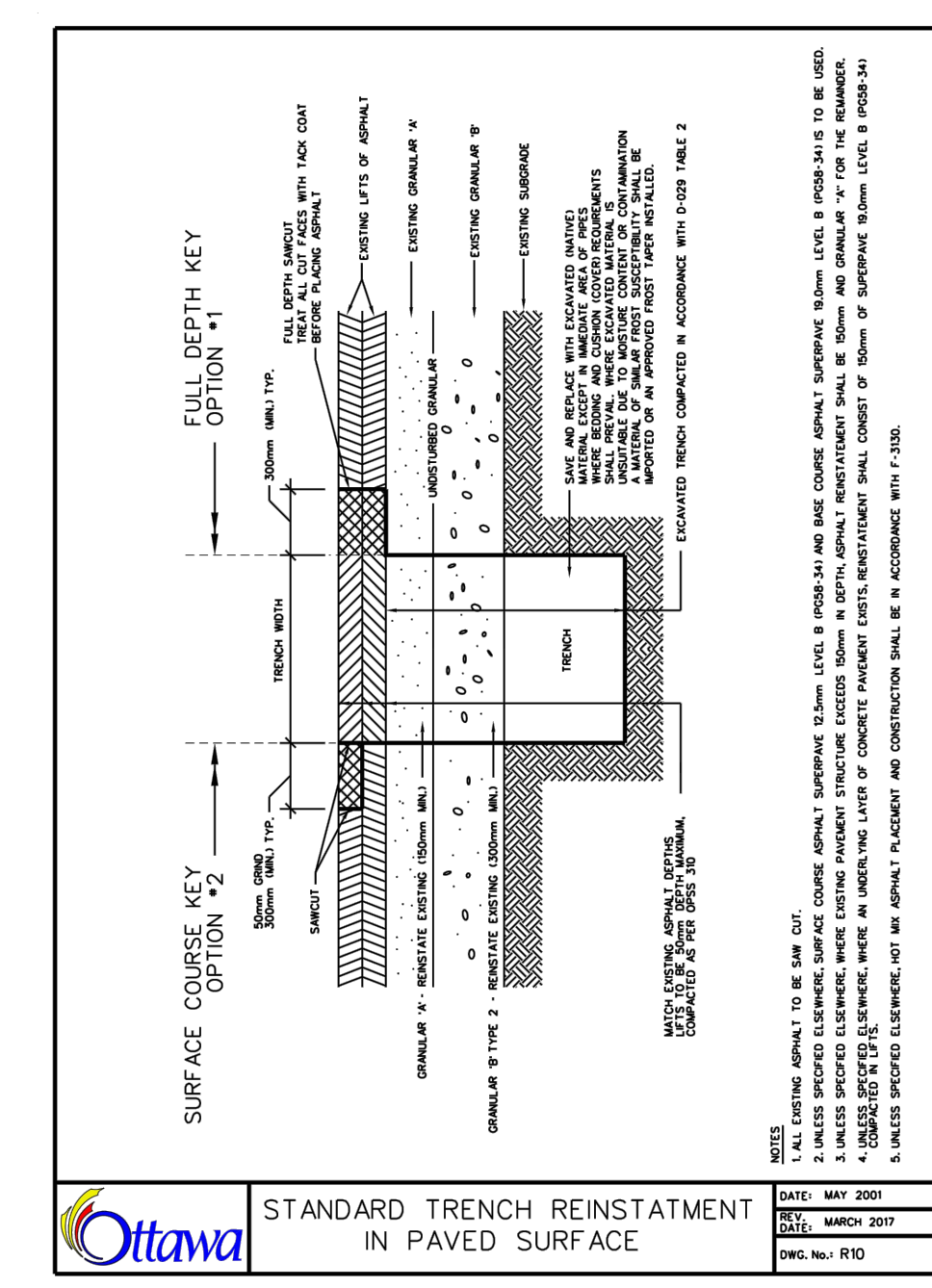
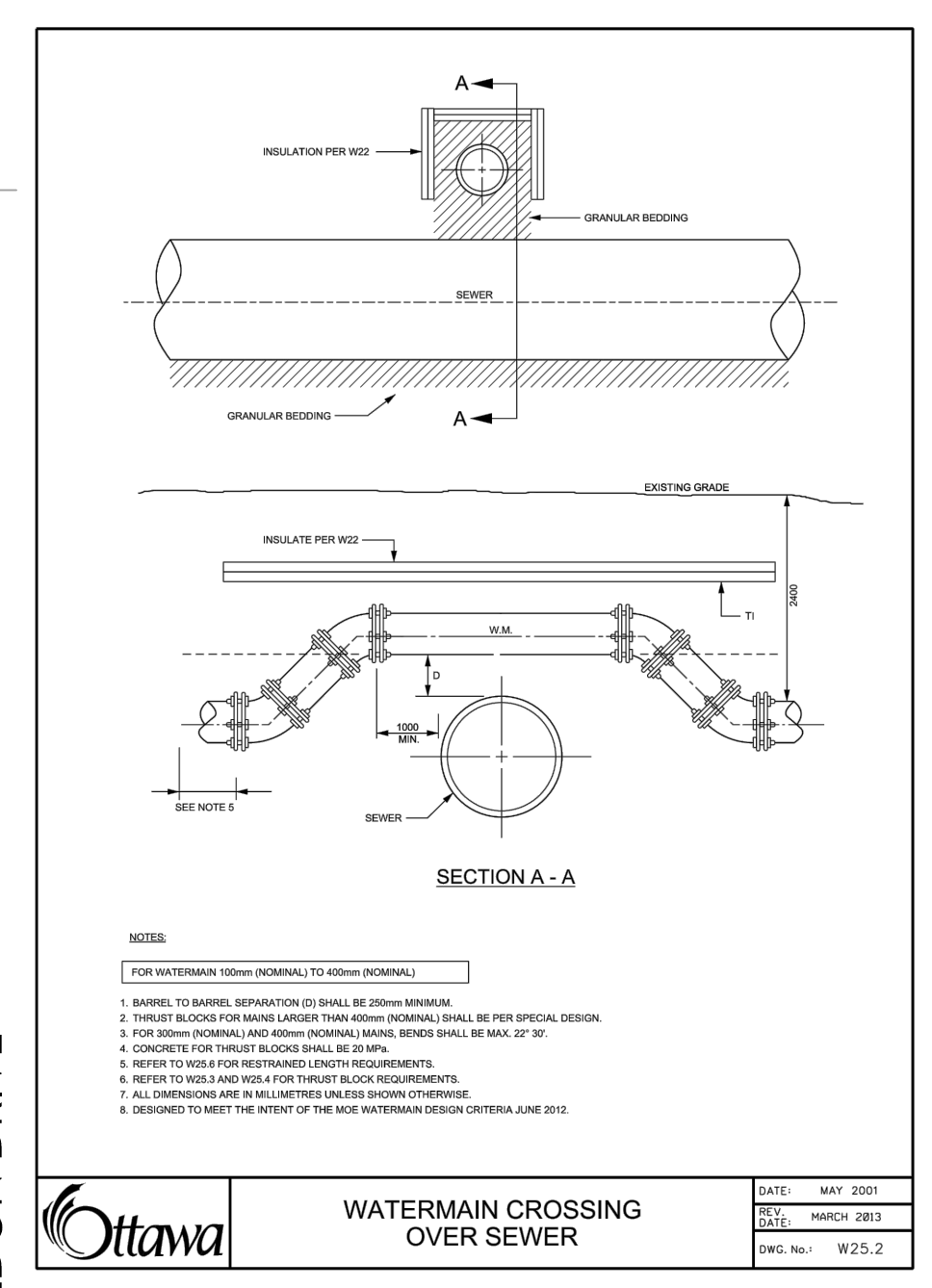
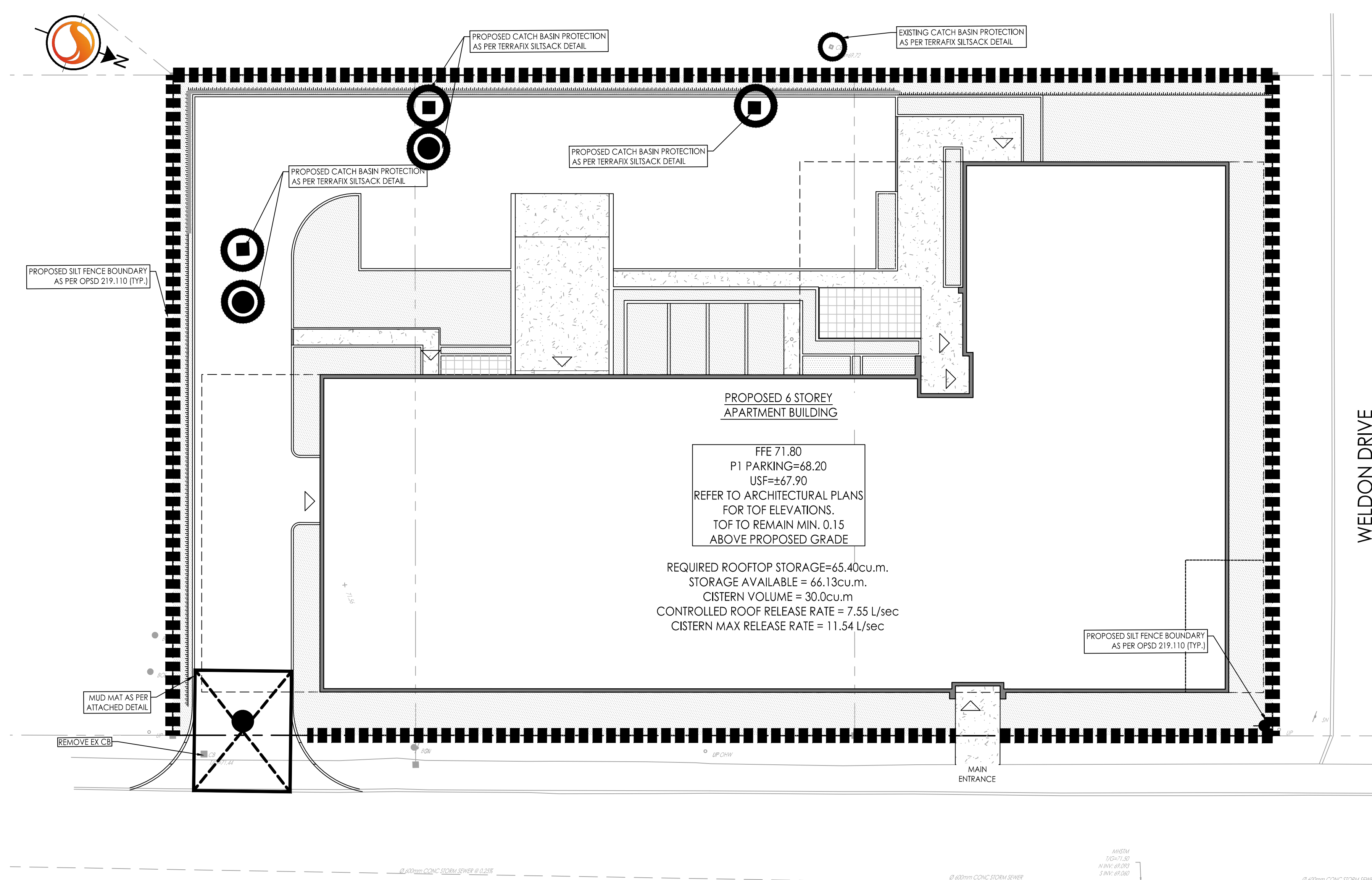
1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title
EROSION CONTROL

Project No.	Scale
160401787	1:200

Drawing No.	Sheet	Revision



160401787.dwg
 2023/08/30 15:44:19
 160401787.dwg
 2023/08/30 15:44:19



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Legend

- EXISTING AREA ID
- EXISTING RUNOFF COEFFICIENT
- EXISTING STORM DRAINAGE AREA b.c.
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- EXISTING DIRECTION OF OVERLAND FLOW
- EXISTING BUILDING/FOUNDATION
- EXISTING EDGE OF GRAVEL

Notes

1. EXISTING AS-RECORDED SEWER AND WATER INFORMATION HAS BEEN DERIVED FROM AS-BUILT INFORMATION PROVIDED BY THE CITY OF OTTAWA.
2. CONTRACTOR TO VERIFY AS-RECORDED INFORMATION AND IMMEDIATELY REPORT ANY DISCREPANCIES OR CONFLICTS TO CIVIL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.

3	SITE CONTROL	TM	PM	23.08.30
2	SITE CONTROL	TM	PM	23.04.25
1	ISSUED FOR COORDINATION	TM	-	23.04.04
Revision		By	Appd.	YY.MM.DD

File Name:	160401787	SS	TM	TM	23.04.04
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project

PROJECT1 STUDIO

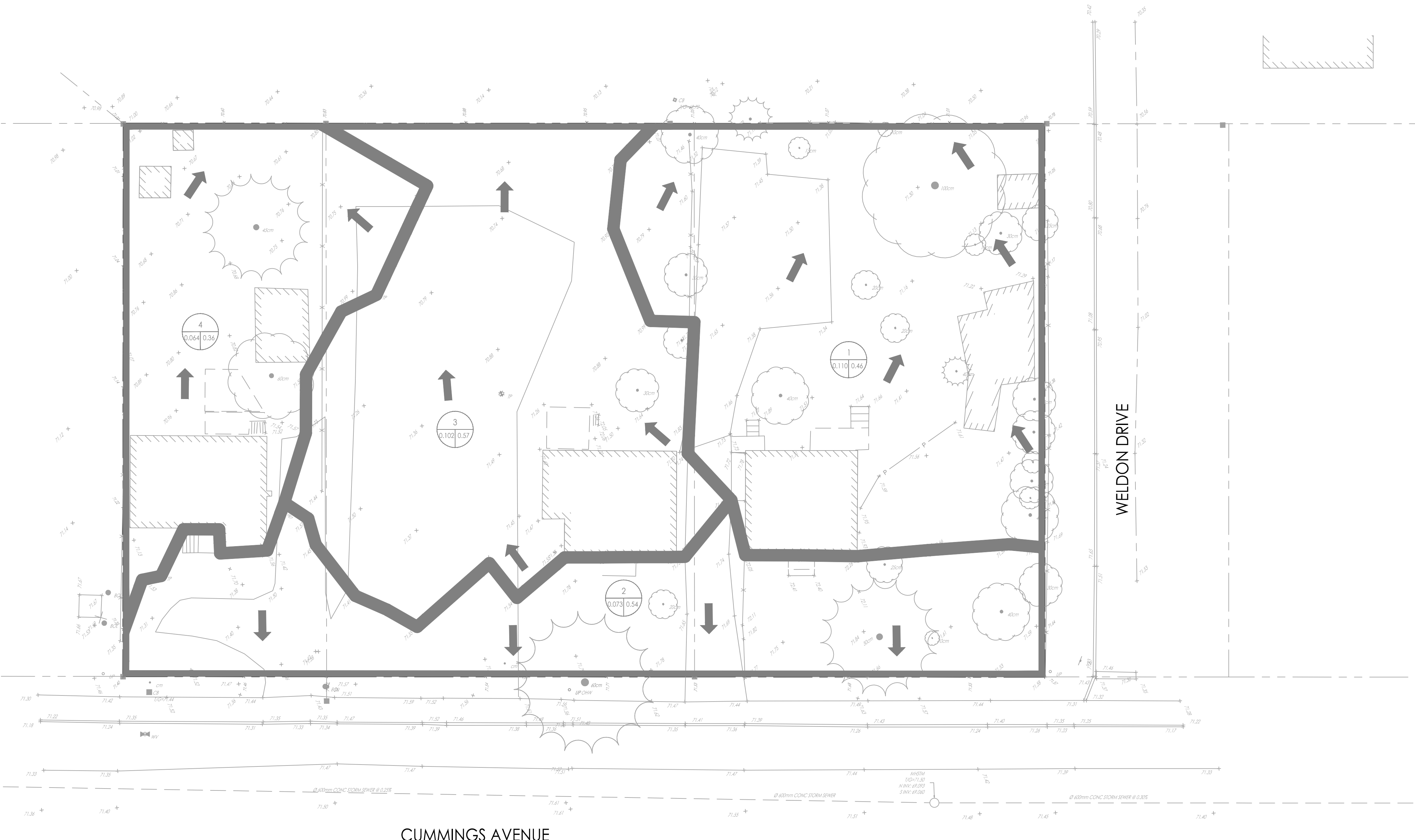
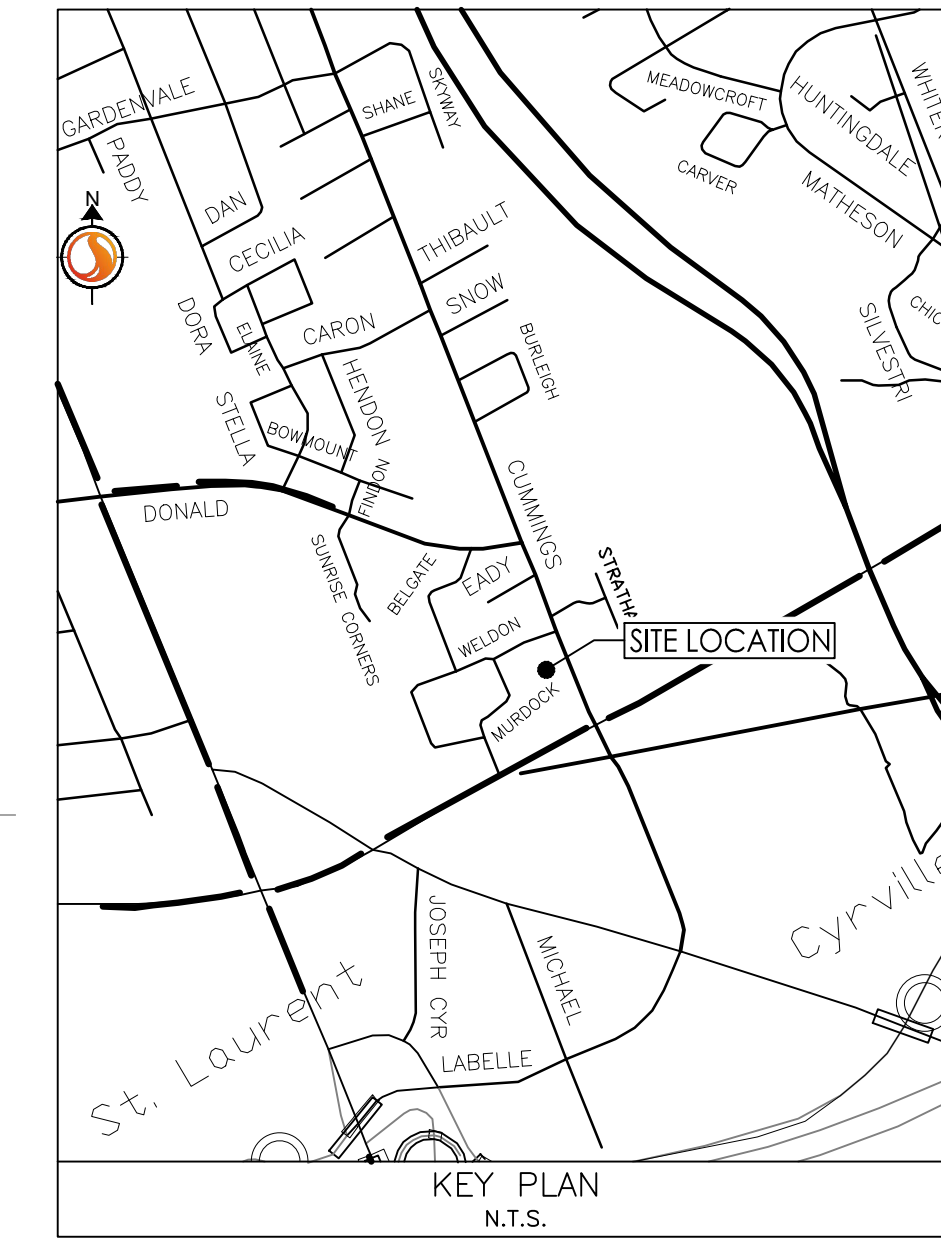
1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title

EXISTING STORM DRAINAGE PLAN

Project No.	160401787	Scale	0 2 6 10m 1:200
Drawing No.	XS-D-1	Sheet	5 of 7
		Revision	3



CUMMINGS AVENUE

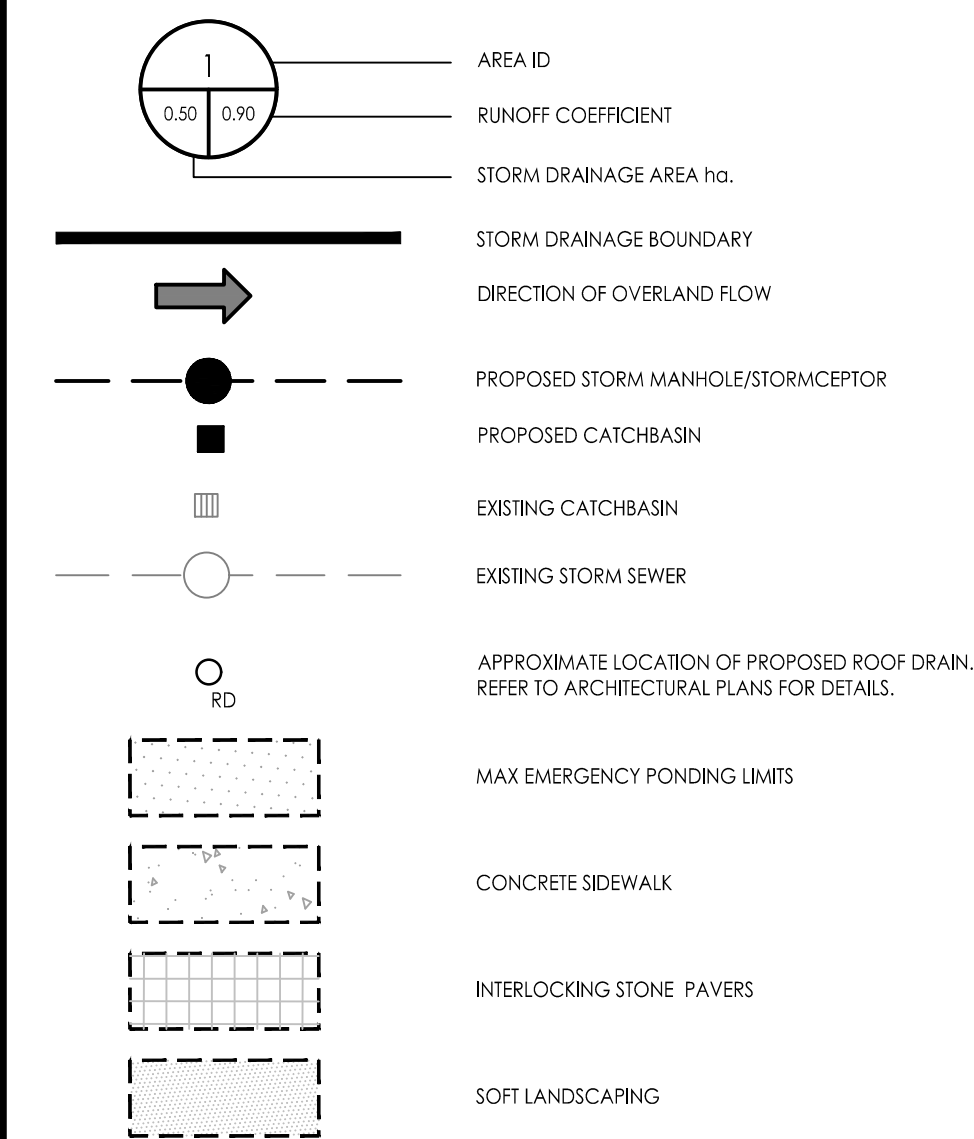
WELDON DRIVE



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Legend



Notes

- REQUIRED CISTERN VOLUME 30m³

3	SITE CONTROL	TM	PM	23.08.30
2	SITE CONTROL	TM	PM	23.04.25
1	ISSUED FOR COORDINATION	TM	-	23.04.04

Revision		By	Appd.	YY.MM.DD
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File Name:	160401787	SB	TM	TM	23.04.04
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

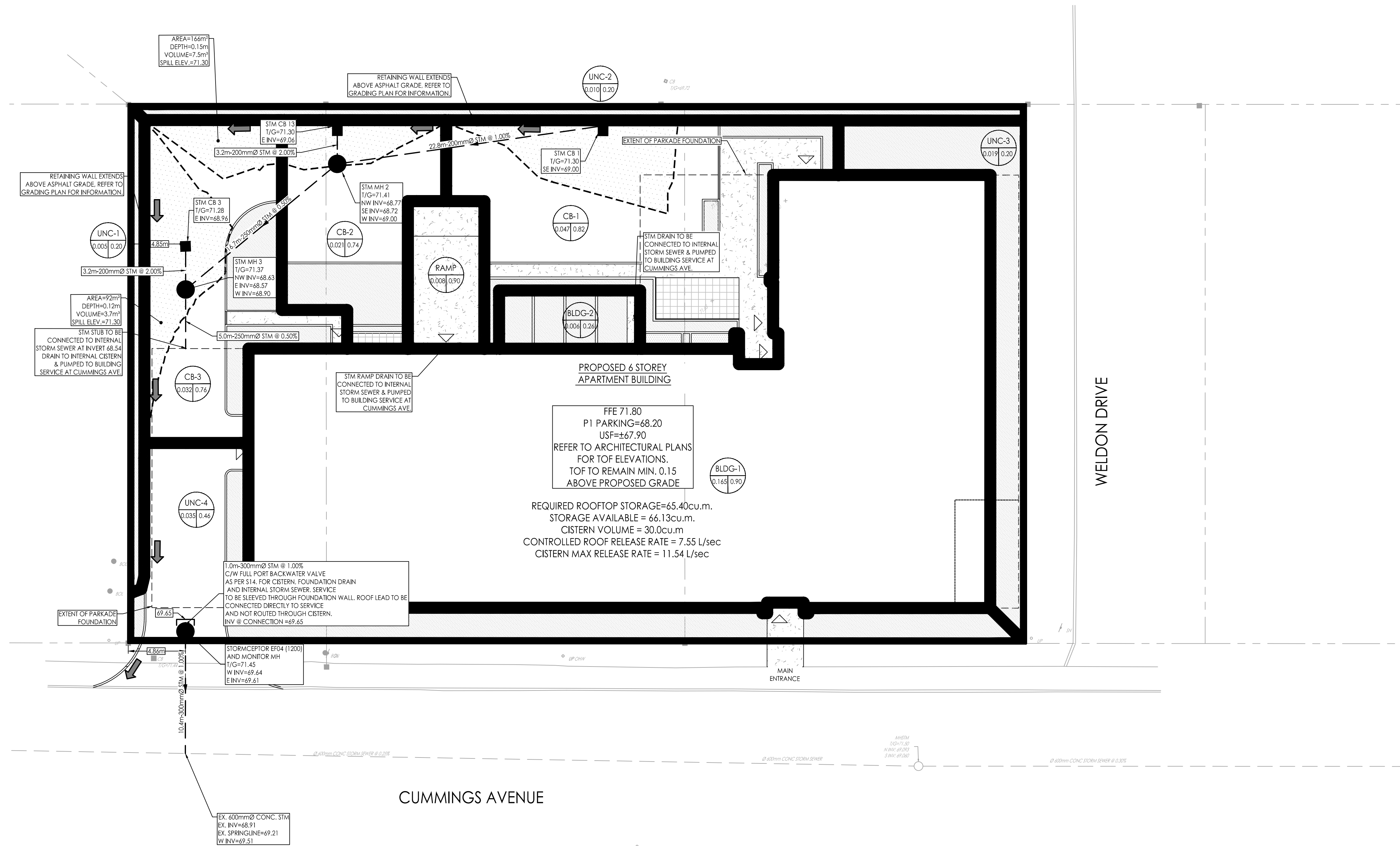
Client/Project
PROJECT1 STUDIO

1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title
STORM DRAINAGE PLAN

Project No.	Scale	0	2	6	10m
160401787	1:200				
Drawing No.	Sheet	Revision			



DRAINAGE AREA ID	DRAIN TYPE	# DRAINS	SYR HEAD (m)	100 YEAR HEAD (m)	SYR RELEASE RATE (L/s)	100 YEAR RELEASE RATE (L/s)
BLDG	WATTS ACCUTROL (50% OPEN)	6	0.11	0.15	6.16	7.55



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Legend

- SANITARY DRAINAGE AREA ID#
POPULATION COUNT
SANITARY DRAINAGE AREA ha.
- SANITARY DRAINAGE AREA ID#
INFILTRATION RATE OF 0.33 L/s/Ha APPLIED
SANITARY DRAINAGE AREA ha.
- SANITARY DRAINAGE AREA
- PROPOSED SANITARY MH AND SEWER
- EXISTING SANITARY MH AND SEWER

Notes

Revision	By	Appd.	YY.MM.DD
3	TM	PM	23.08.30
2	TM	PM	23.04.25
1	TM	-	23.04.04

File Name:	SS	TM	TM	23.04.04
160401787	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project
PROJECT1 STUDIO

1184 CUMMINGS AVENUE

GLOUCESTER, ON

Title
SANITARY DRAINAGE PLAN

Project No.	Scale	0	2	6	10m
160401787	1:200				

Drawing No.	Sheet	Revision
SA-1	7 of 7	3

