

GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$2,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED AND THE CITY OF OTTAWA AS THIRD PARTY.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ALL ORGANIC MATERIAL AND DEBRIS. ALL CONTAMINATED MATERIAL (IF ANY) SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- ALL ELEVATIONS ARE GEODETIC. THE SITE BENCHMARKS ARE THE NAILS IN UTILITY POLE (ELEVATION=55.93). REFER TO FARLEY, SMITH AND DENIS SURVEYING LTD. TOPOGRAPHIC PLAN OF PART OF LOTS 85, 86 AND 87, CITY OF OTTAWA.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT NO. 59-HI-R0, DATED DECEMBER 08, 2022, PREPARED BY YURI MENDEZ ENGINEERS FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF GRANULAR MATERIAL.
- REFER TO THE DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT No. R-2022-198 DATED DECEMBER 16, 2022 PREPARED BY NOVATECH.
- REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- SAW CUT AND KEYGRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10). ALL ROAD CUTS TO BE REINSTATED WITH FULL MILL OVERLAY AS PER CITY OF OTTAWA STANDARDS (R10).
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES AND GRADING PLAN INDICATING ALL SERVICING AS-BUILT INFORMATION SHOWN ON THE PLANS. AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS, VALVE AND HYDRANT LOCATIONS, TWM ELEVATIONS, ANY ALIGNMENT CHANGES, AND ALL SURFACE ELEVATION AS BUILT GRADES.

SEWER NOTES:

- SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
STORM / SANITARY MANHOLE (1200x)	707.010	OPSD
CATCHBASIN (600x600mm)	705.010	OPSD
CB, FRAME & COVER	400.020	OPSD
STORM / SANITARY MH FRAME	525	CITY OF OTTAWA
STORM COVER (CLOSED)	S24.1	CITY OF OTTAWA
STORM COVER (OPEN)	S28.1	CITY OF OTTAWA
SEWER TRENCH	S6 & S7	CITY OF OTTAWA
STORM SEWER < 450mmØ	PVC SDR 35 (UNLESS SPECIFIED OTHERWISE)	CITY OF OTTAWA
STORM SEWER >= 450mmØ	CONC 6SD (UNLESS SPECIFIED OTHERWISE)	CITY OF OTTAWA
SANITARY SEWER	PVC DR 35	CITY OF OTTAWA
- SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.
- ALL STORM AND SANITARY SERVICE LATERALS SHALL BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES AS PER THE CITY OF OTTAWA STANDARD DETAILS S14 AND S14.1 OR S14.2.
- ALL WEeping TIE CONNECTIONS TO BE MADE TO THE PROPOSED STORM SEWER SYSTEM DOWNSTREAM OF ANY MLET CONTROL DEVICES.
- INSULATE ALL PIPES (SANSTM) THAT HAVE LESS THAN 2.0m COVER PER INSULATION DETAIL FOR SHALLOW SEWERS, PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX, POSITIVE SEAL AND DURASEAL). THE CONCRETE CRADLE FOR THE PIPE CAN BE ELIMINATED.
- STORM MANHOLES AND CBMHS ARE TO HAVE 300mm SUMP UNLESS OTHERWISE INDICATED.
- ALL CATCHBASINS, MANHOLES AND/OR CATCHBASIN MANHOLES THAT ARE TO HAVE ICDS INSTALLED WITHIN THEM ARE TO HAVE 600mm SUMPS.
- ALL CATCHBASINS AND CATCHBASIN MANHOLES TO BE PROVIDED WITH MINIMUM 3 METER LONG PERFORATED SUBDRAINS EXTENDING IN TWO DIRECTIONS AT THE SUBGRADE LEVEL. THE SUBGRADE SURFACE SHOULD BE SHAPED TO PROMOTE WATER FLOW TO THE DRAINAGE LINES.
- CONTRACTOR TO TELEWISE (CCTV) ALL PROPOSED SEWERS, 200mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES AND RE CCTV PRIOR TO ACCEPTANCE.
- CONTRACTOR TO TELEWISE (CCTV) ALL EXISTING SEWERS IN WALKLEY RD. FRONTING THE SITE PRE AND POST CONSTRUCTION.
- THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSD 410.07.16, 410.07.16.04 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.

GRADING NOTES:

- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS.
- EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL CONSULTANT.
- ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS.
- THE GRANULAR BASE SHOULD BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
- GRADE AND/OR FILL BEHIND PROPOSED CURB AND BETWEEN BUILDINGS AND CURBS, WHERE REQUIRED TO PROVIDE POSITIVE DRAINAGE.
- MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
- ALL CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED AND CONSTRUCTED AS PER CITY OF OTTAWA STANDARDS (SC1.1, SC1.4).
- ALL SIDEWALKS ARE TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAILS (SC1.4, SC4, SC5, SC6). INSTALL TWSI AT ALL DEPRESSED CURB RAMPS PER CITY DETAIL (SC7.3).
- AS PER PRIVATE APPROACH BY-LAW NO. 2004-447 SECTION 26 (h) THE GRADE OF ANY PART OF A PRIVATE APPROACH TO A BUILDING MAY BE GREATER THAN 6% BUT SHALL NOT EXCEED 12% PROVIDED THAT A SUBSTANCE MELTING DEVICE SUFFICIENT TO KEEP THE PRIVATE APPROACH FREE OF ICE AT ALL TIMES IS INSTALLED AND PROPERLY MAINTAINED BY THE OWNER.

WATERMAIN NOTES:

- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER	W25	CITY OF OTTAWA
WATERMAIN	PVC DR 18	CITY OF OTTAWA
- SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
- WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
- PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.
- WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.

EROSION AND SEDIMENT CONTROL NOTES:

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE 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.

- THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING FILTER CLOTHS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
- THE CONTRACTOR SHALL PLACE FILTER BAGS UNDER THE CATCHBASIN AND MANHOLE GRATES FOR THE DURATION OF CONSTRUCTION AND WILL REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION.
- SILT FENCING FOR ENTIRE PERIMETER OF SITE, SHALL BE UTILIZED TO CONTROL EROSION FROM THE SITE DURING CONSTRUCTION.
- PROVIDE MUD MATS AT ALL CONSTRUCTION ACCESS POINTS TO MINIMIZE SEDIMENT TRANSPORT OFFSITE.
- EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE ROADS ARE KEPT FREE OF MUD AND DEBRIS.

SEWER & WATERMAIN INSULATION NOTES:

COVER SEWER / WATER (mm)	INSULATION THICKNESS (mm)
2000-1700 / 2400-2100	50
1700-1400 / 2100-1800	75
1400 - / 1800-1500	100

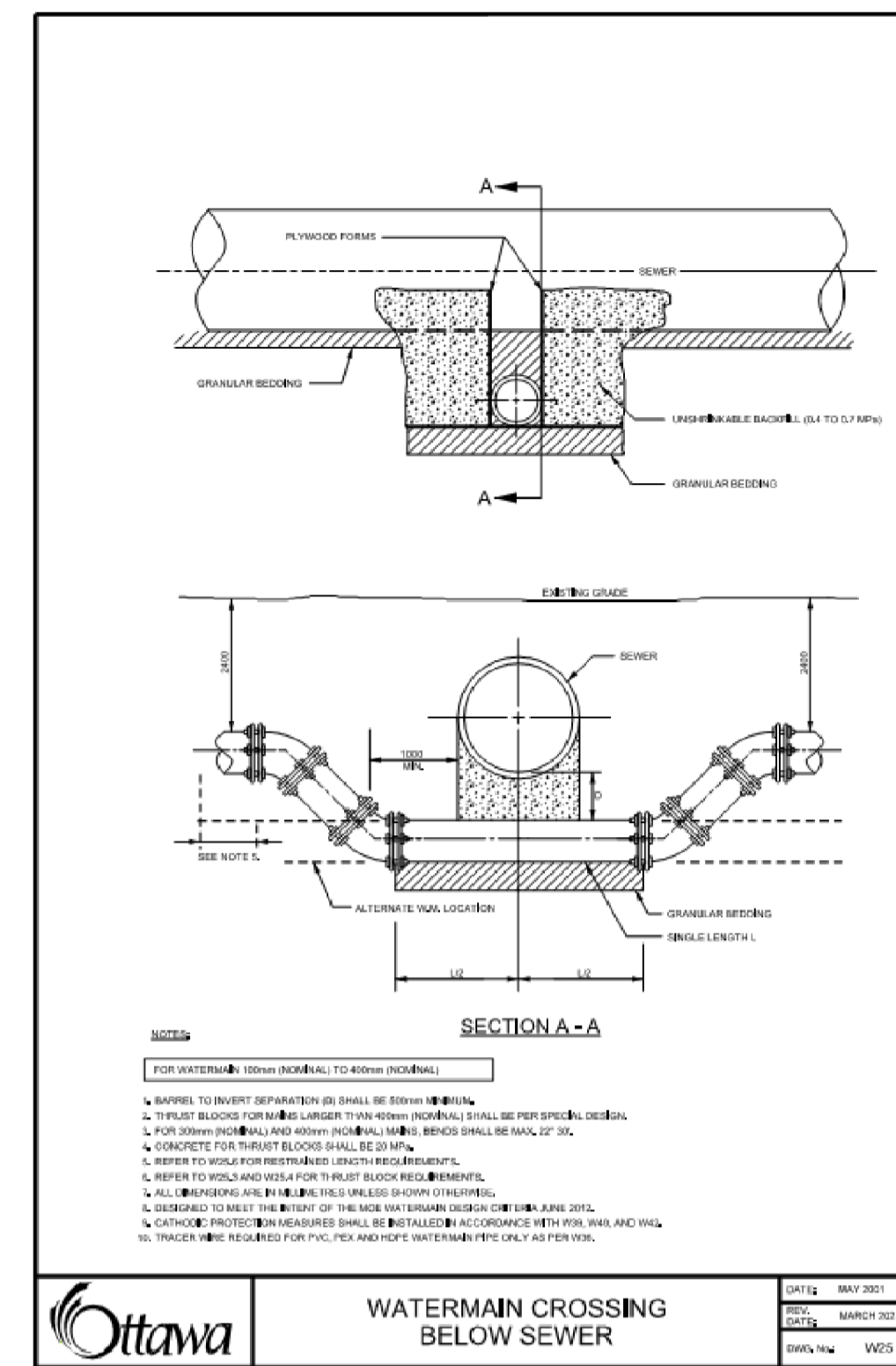
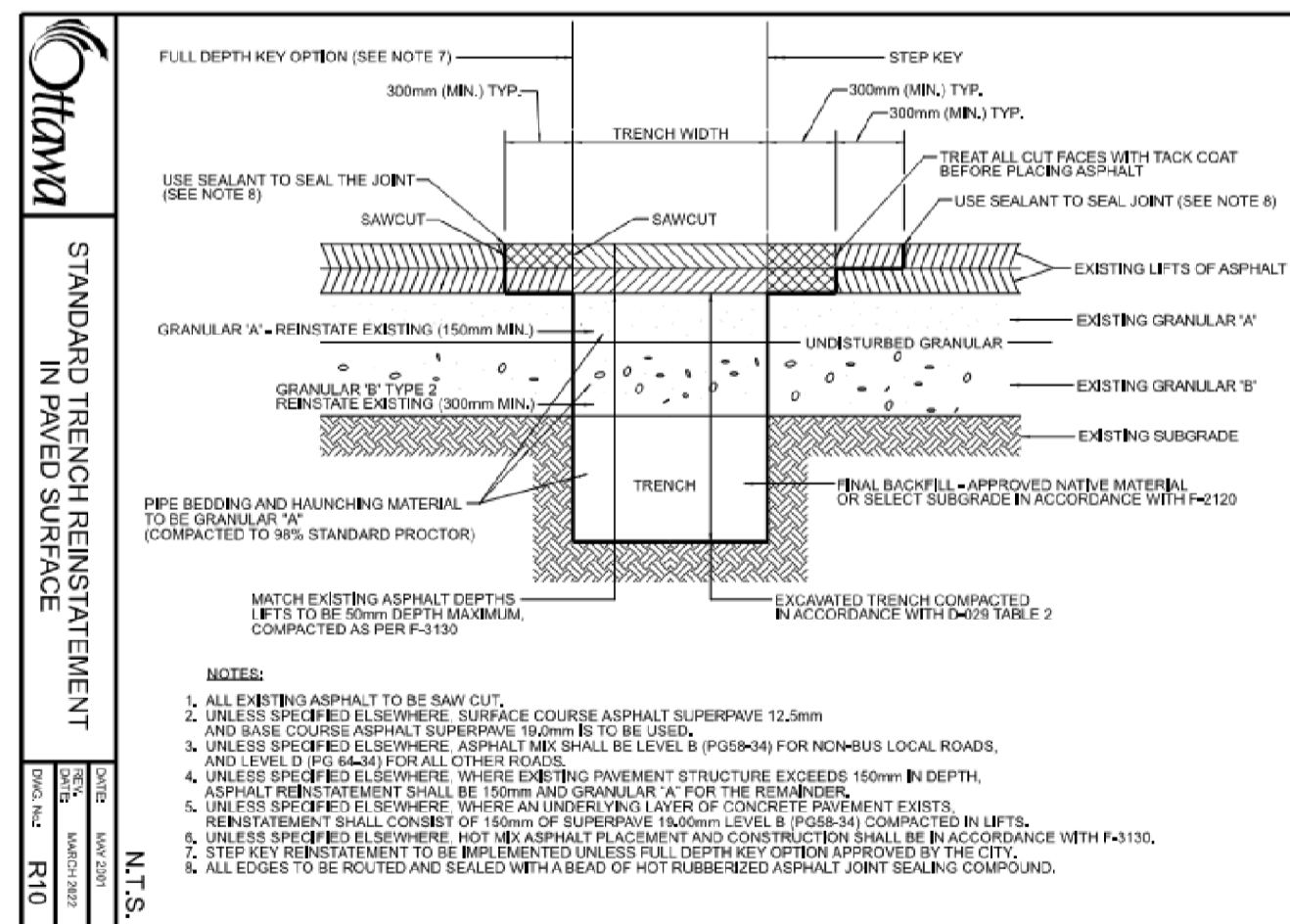
T = THICKNESS OF INSULATION (mm)
 W = WIDTH OF INSULATION (mm)
 D = O.D. OF PIPE (mm)

PAVEMENT STRUCTURES:

- LIGHT DUTY PAVEMENT
50mm HL-3 OR SUPERPAVE 12.5
150mm GRANULAR "A"
300mm GRANULAR "B" TYPE II
ASPHALT GRADE PG 58-34

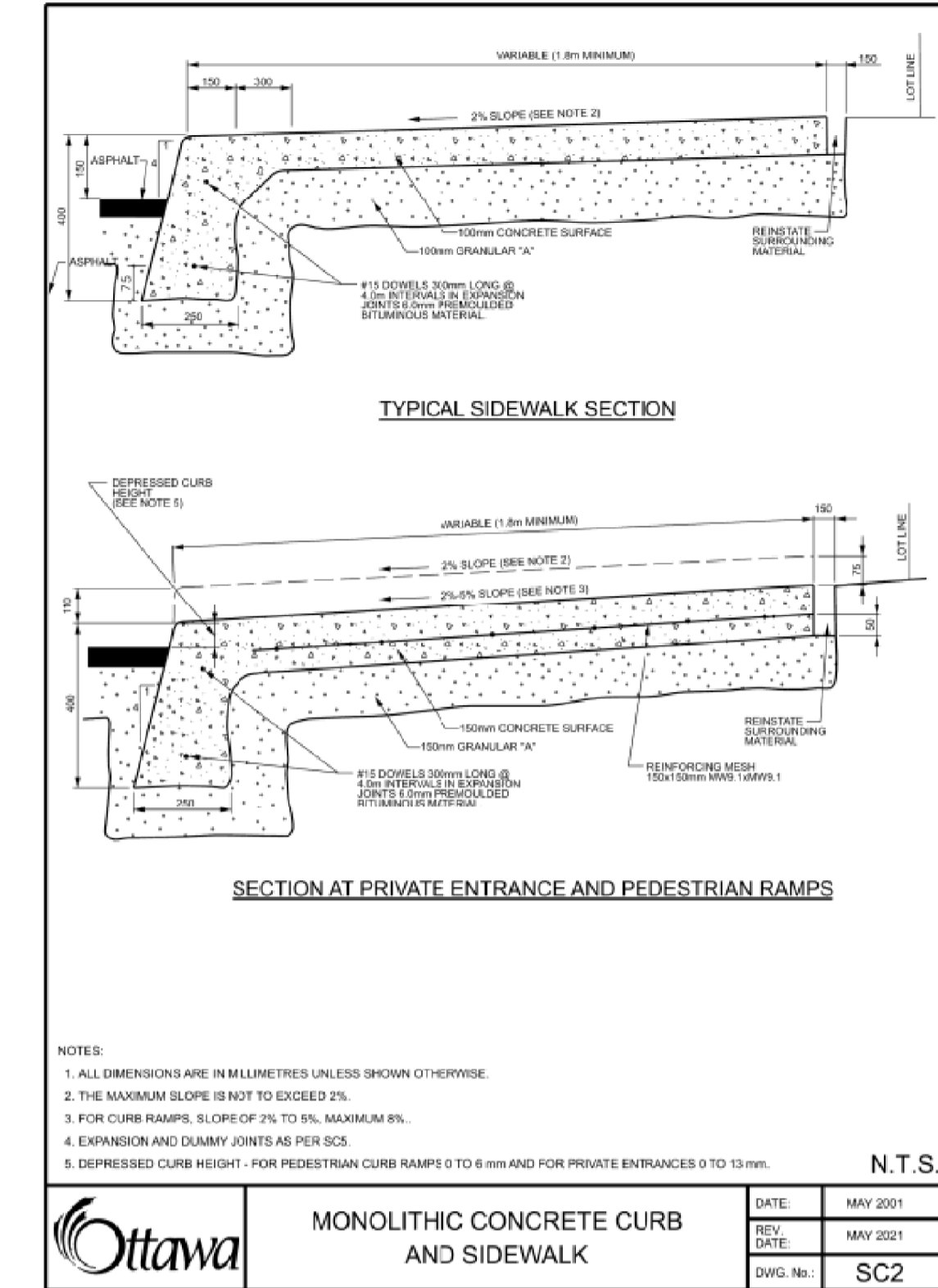
INSULATION DETAIL FOR SHALLOW SEWERS & WATERMAIN

N.T.S.



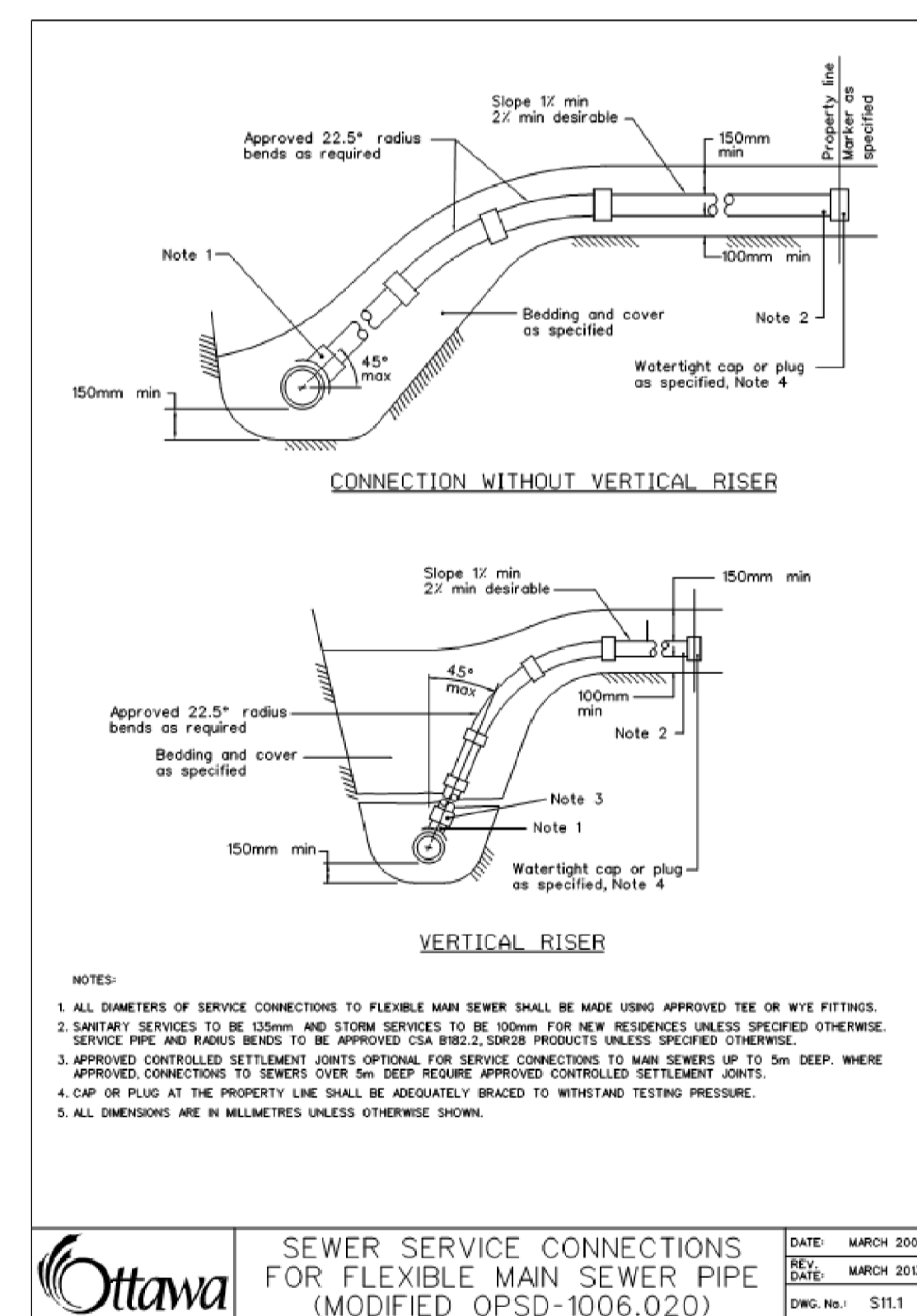
Ottawa WATERMAIN CROSSING BELOW SEWER

DATE: MAY 2021
 REV. DATE: MARCH 2021
 DWG. No.: W25



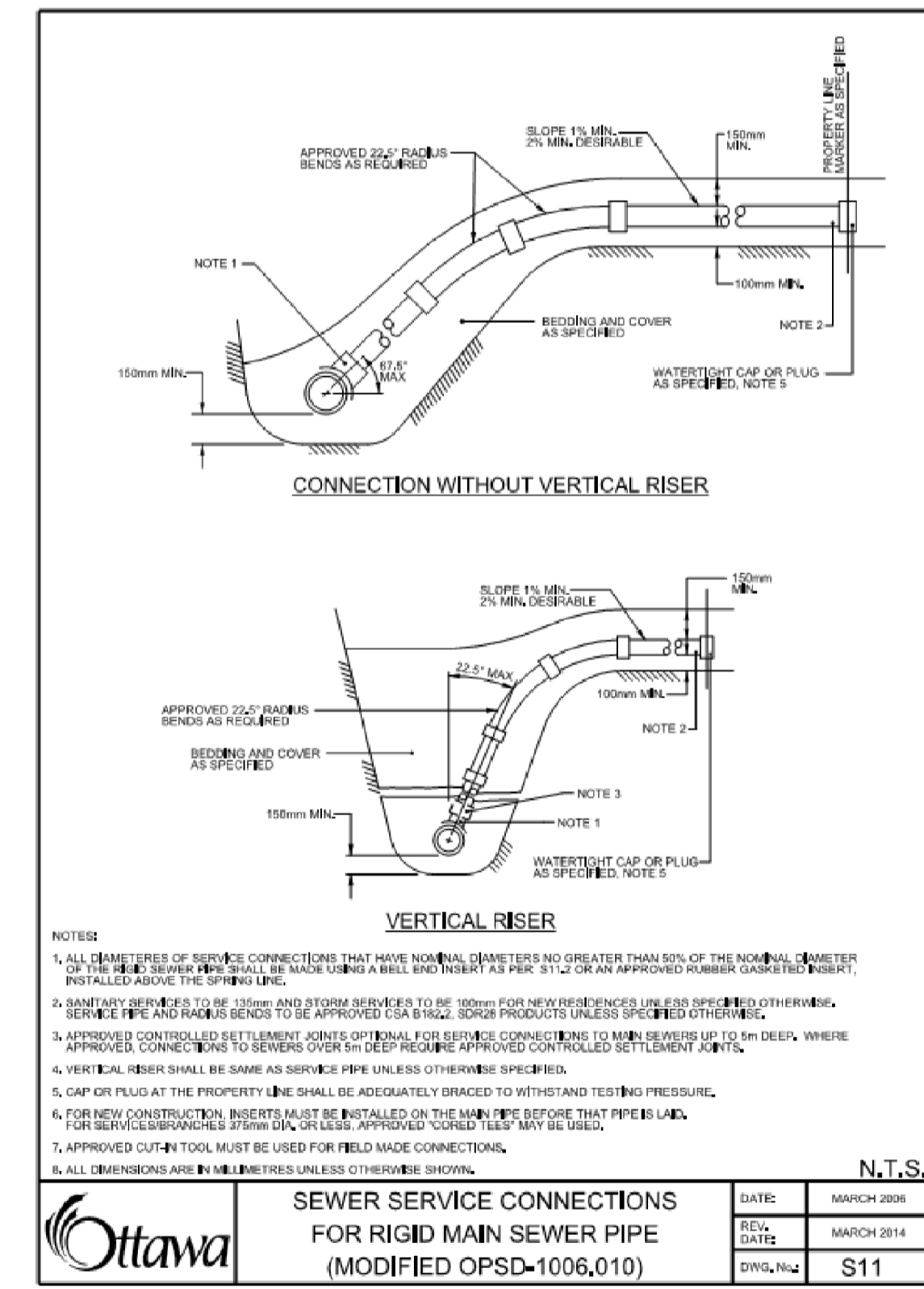
Ottawa MONOLITHIC CONCRETE CURB AND SIDEWALK

DATE: MAY 2021
 REV. DATE: MAY 2021
 DWG. No.: SC2



Ottawa SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020)

DATE: MARCH 2006
 REV. DATE: MARCH 2013
 DWG. No.: S11.1



Ottawa SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)

DATE: MARCH 2008
 REV. DATE: MARCH 2014
 DWG. No.: S11

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NOTE:
 THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPLICATION	DEC 16/22	MJH

DESIGN	DM/ZA
CHECKED	MJH
DRAWN	DM/ZA
CHECKED	MJH
APPROVED	JLS

FOR REVIEW ONLY

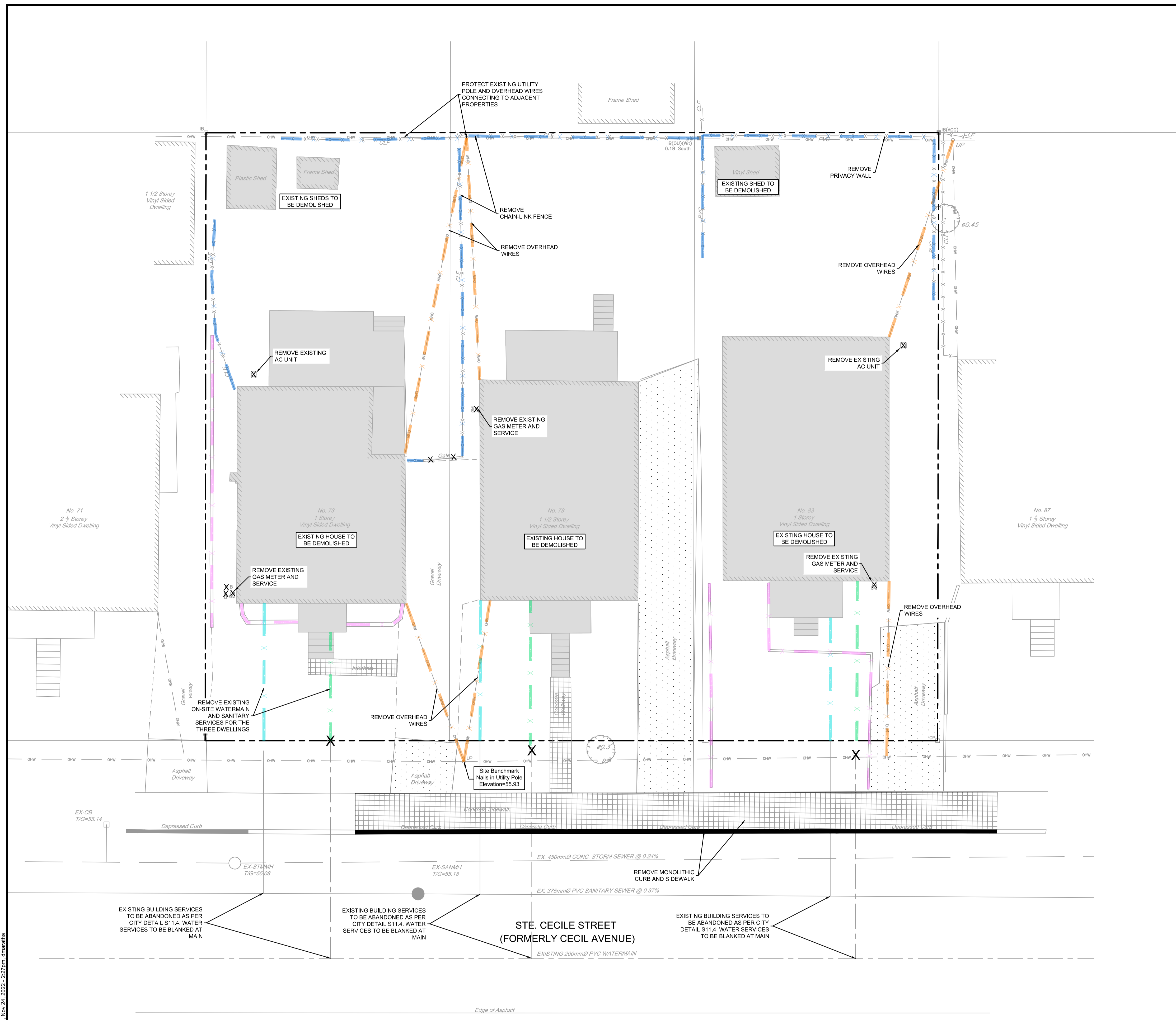
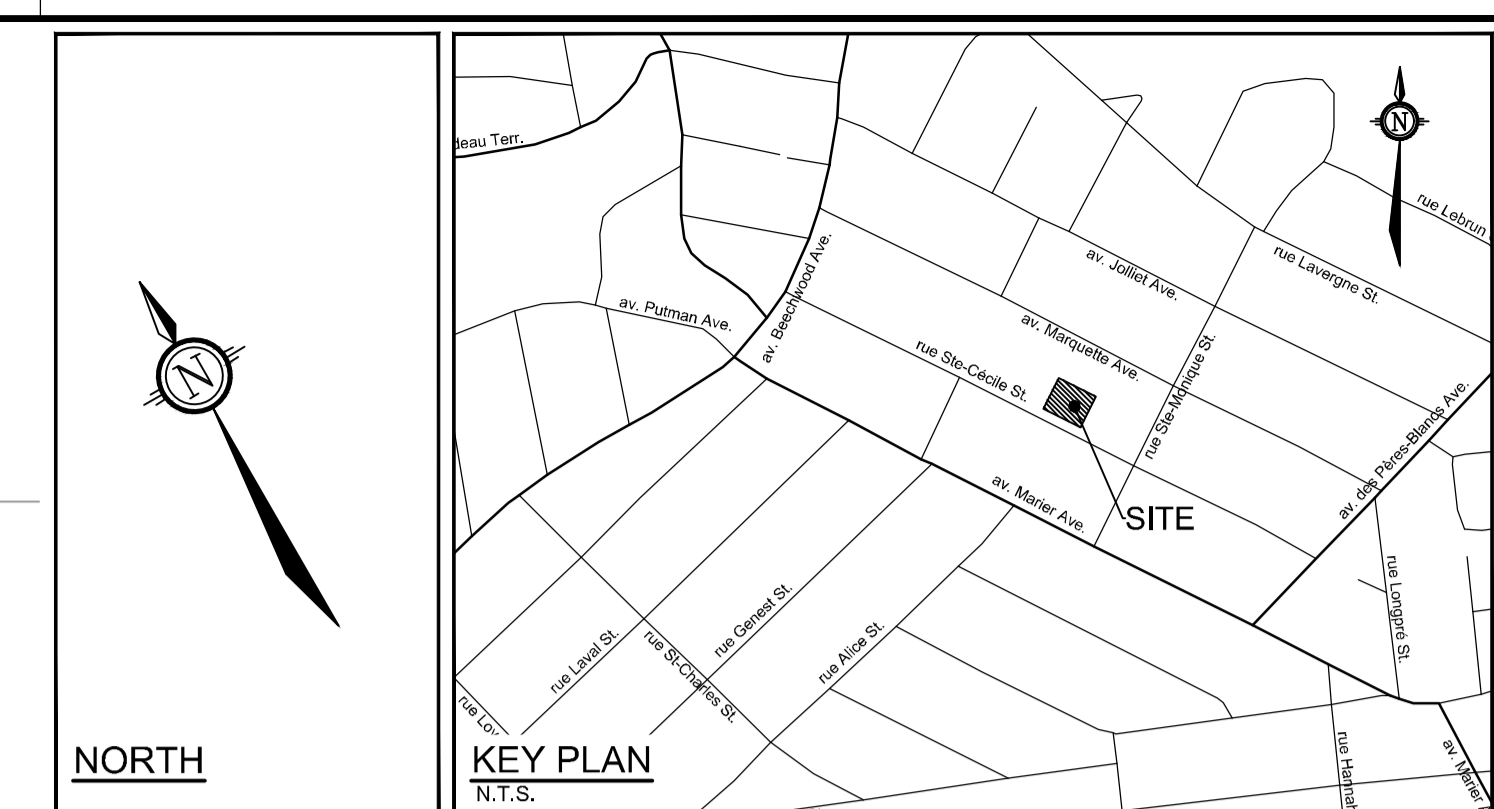
PROFESSIONAL ENGINEER
 LICENSED PROFESSIONAL ENGINEER
 M.J. HREHORAK
 10021256
 DEC 16/22
 PROVINCE OF ONTARIO

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LOCATION
 CITY OF OTTAWA
 73-83 STE CECILE STREET

DRAWING NAME
NOTES AND DETAILS PLAN

PROJECT No.: 122167
 REV # 1
 DRAWING No.: 122167-ND

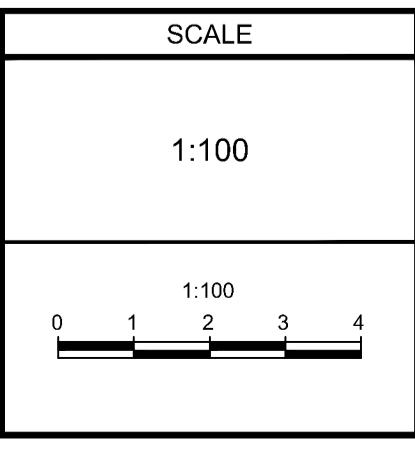


- LEGEND**
- ASPHALT REMOVAL
 - INTERLOCK / CONCRETE SIDEWALK REMOVAL
 - REMOVALS
 - EXISTING FENCE REMOVAL
 - EXISTING UTILITIES REMOVAL
 - EXISTING ON-SITE WATERMAIN REMOVAL
 - EXISTING ON-SITE SANITARY REMOVAL
 - EXISTING RETAINING WALL REMOVAL
 - EXISTING MONOLITHIC CURB AND SIDEWALK REMOVAL
 - EXISTING UTILITY POLE
 - EXISTING UTILITY POLE ANCHORS
 - EXISTING GAS METER
 - EXISTING AC UNIT

REFER TO 122167-ND FOR ADDITIONAL NOTES

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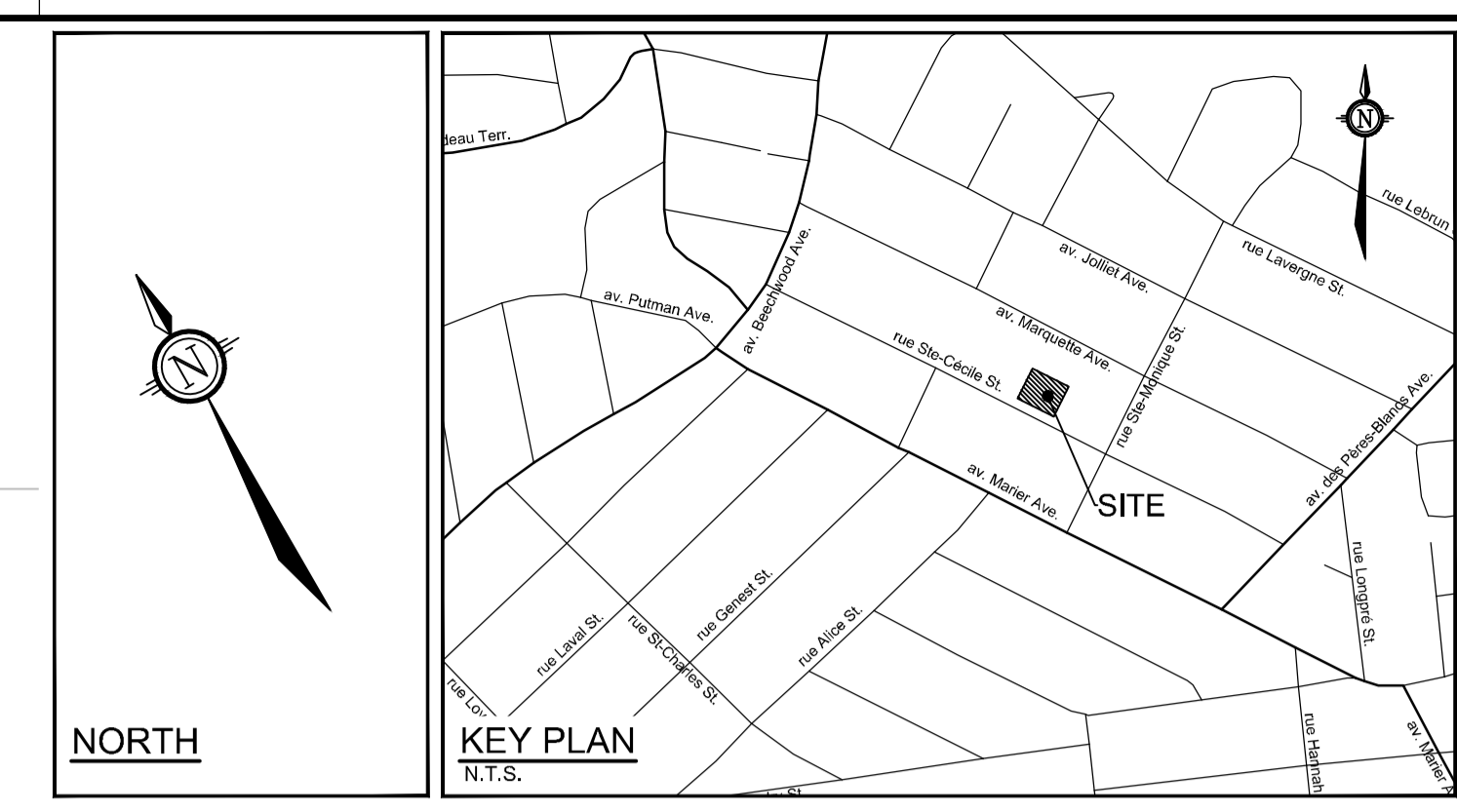
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APPROVED	JLS



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LOCATION CITY OF OTTAWA 73-83 CECILE STREET		PROJECT No. 122167
DRAWING NAME EXISTING CONDITIONS AND REMOVALS PLAN		REV REV # 1
		DRAWING No. 122167-REM

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LEGEND

---	PROPERTY LINE	---	EXISTING CONCRETE CURB
---	PROPOSED SANITARY SEWER	---	EXISTING SANITARY MANHOLE AND SEWER
STMMH 01	PROPOSED STORM MANHOLE & SEWER	STMMH	EXISTING STORM MANHOLE AND SEWER
CB 2	PROPOSED CATCHBASIN AND LEAD	CB	EXISTING CATCHBASIN CW CATCHBASIN LEAD
DC	PROPOSED BARRIER CURB	HYD	EXISTING HYDRANT
---	PROPOSED DEPRESSED CURB	EX UP	EXISTING UTILITY POLE CW GUY WIRES
200mm	PROPOSED WATERMAIN AND DIAMETER	---	EXISTING WATERMAIN
CS	PROPOSED CURB STOP	---	EXISTING HYDRANT CW VALVE & LEAD
⊙	PROPOSED CAP	---	EXISTING LIGHT STANDARD
ICD	PROPOSED INLET CONTROL DEVICE	X X	EXISTING FENCE
RD	CONTROLLED FLOW ROOF DRAIN	---	EXISTING OVERHEAD UTILITY WIRES
▲	PROPOSED BUILDING ENTRANCE		
Ⓜ	PROPOSED WATER METER AND REMOTE METER		
Ⓜ	PROPOSED GAS METER		

ROOF DRAIN TABLE: AREA A-2 (ROOF DRAINS 1 to 2)

AREA ID	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
A-2	RD 1 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm
A-2	RD 2 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm
A-2	RD 3 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2022-198) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.
 ** ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

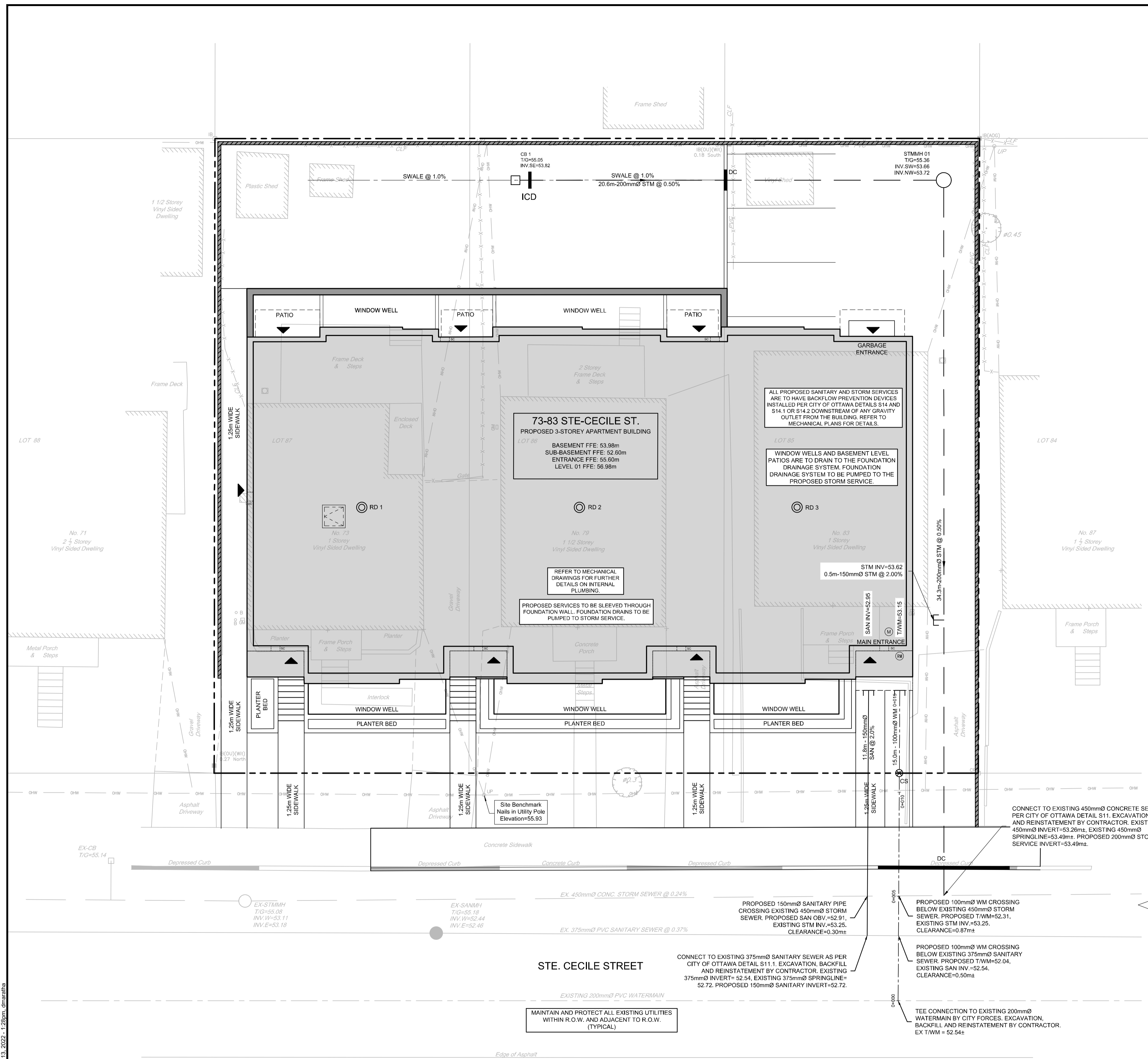
INLET CONTROL DEVICE - DATA TABLE

STRUCTURE ID	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)			DESIGN HEAD (m)		
			2-YEAR	5-YEAR	100-YEAR	2-YEAR	5-YEAR	100-YEAR
CB 1	TEMPEST LMF 60	200	3.5	3.6	3.7	1.20	1.23	1.30

PROPOSED 100mmØ WATER SERVICE TABLE

STATION	SURFACE ELEVATION	TWM ELEVATION	COMMENTS
0+000.0	55.32±	52.54±	100mmØ WATER SERVICE CONNECTION TO EX. 200mmØ PVC WM
0+000.6	55.32±	52.54±	22.5° VERTICAL BEND
0+001.9	55.32±	52.04±	22.5° VERTICAL BEND
0+003.1	55.32±	52.04±	CROSS BELOW EX. 375mmØ SAN (CLEARANCE=0.50m±)
0+004.4	56.32±	52.04±	22.5° VERTICAL BEND
0+005.0	55.21±	52.31±	CROSS BELOW EX. 450mmØ STORM (CLEARANCE=0.87m±)
0+005.6	55.21±	52.54±	22.5° VERTICAL BEND
0+010.9	55.45	53.05±	PROPERTY LINE / STAND POST
0+015.0	55.55	53.15	CAP 1.0m FROM FOUNDATION WALL

* CONNECTION TO EXISTING 200mmØ PVC WATERMAIN. EXACT LOCATION AND ELEVATION TO BE FIELD DETERMINED.
 PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAIL W23 AND DETAIL W22 WHERE COVER IS LESS THAN 2.4m AND/OR ADJACENT TO OPEN STRUCTURES.

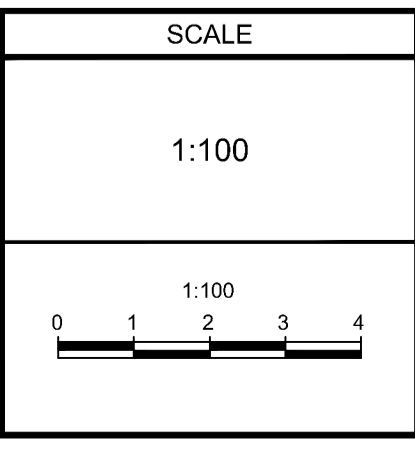


MAINTAIN AND PROTECT ALL EXISTING UTILITIES WITHIN R.O.W. AND ADJACENT TO R.O.W. (TYPICAL)

REFER TO 122167-ND FOR ADDITIONAL NOTES

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APPROVED	JLS

FOR REVIEW ONLY

PROFESSIONAL ENGINEER
 M.J. HREHORIAK
 10021256
 DEC 16/22
 PROVINCE OF ONTARIO

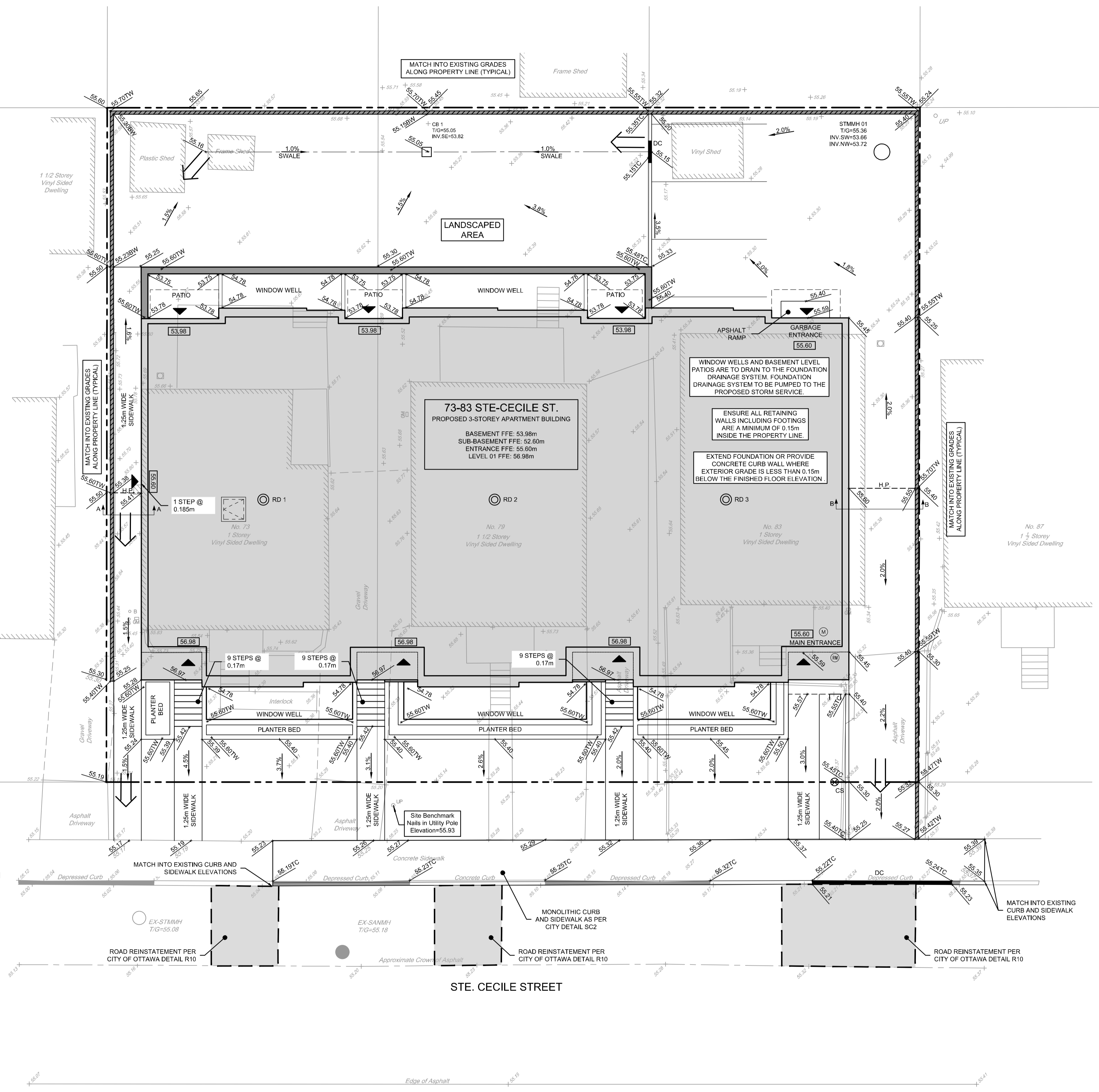
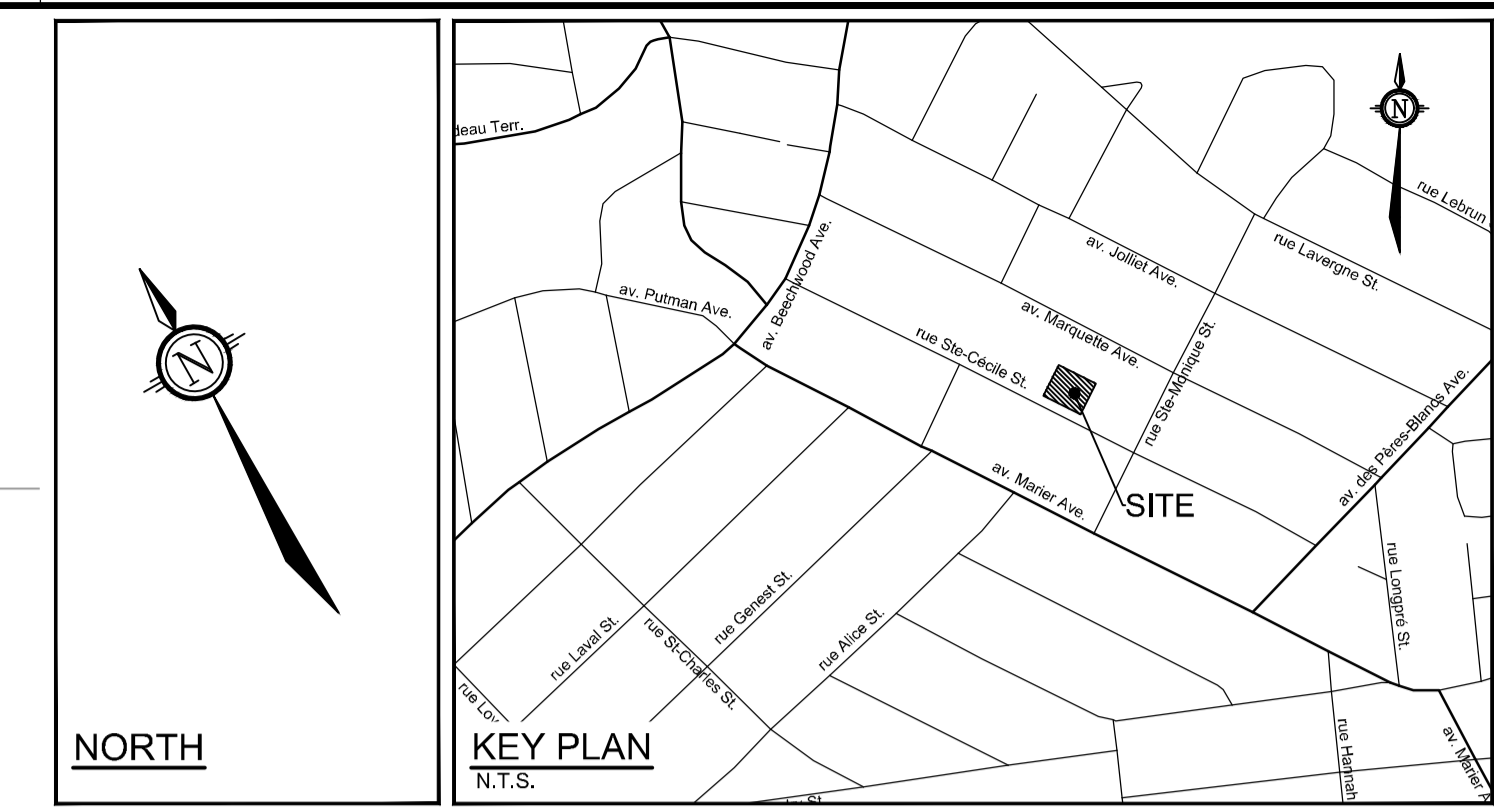
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LOCATION
 CITY OF OTTAWA
 73-83 CECILE STREET

DRAWING NAME
GENERAL PLAN OF SERVICES

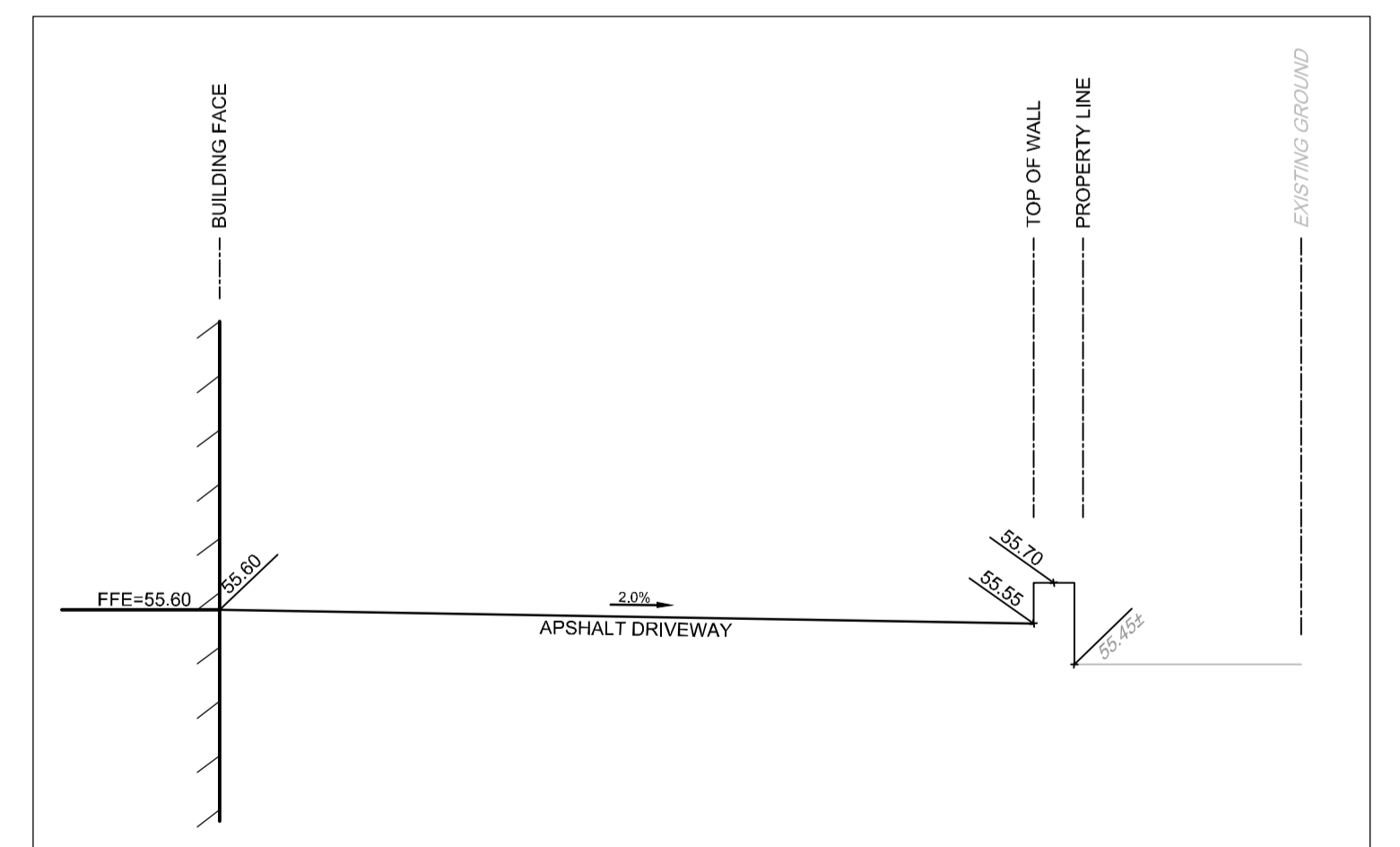
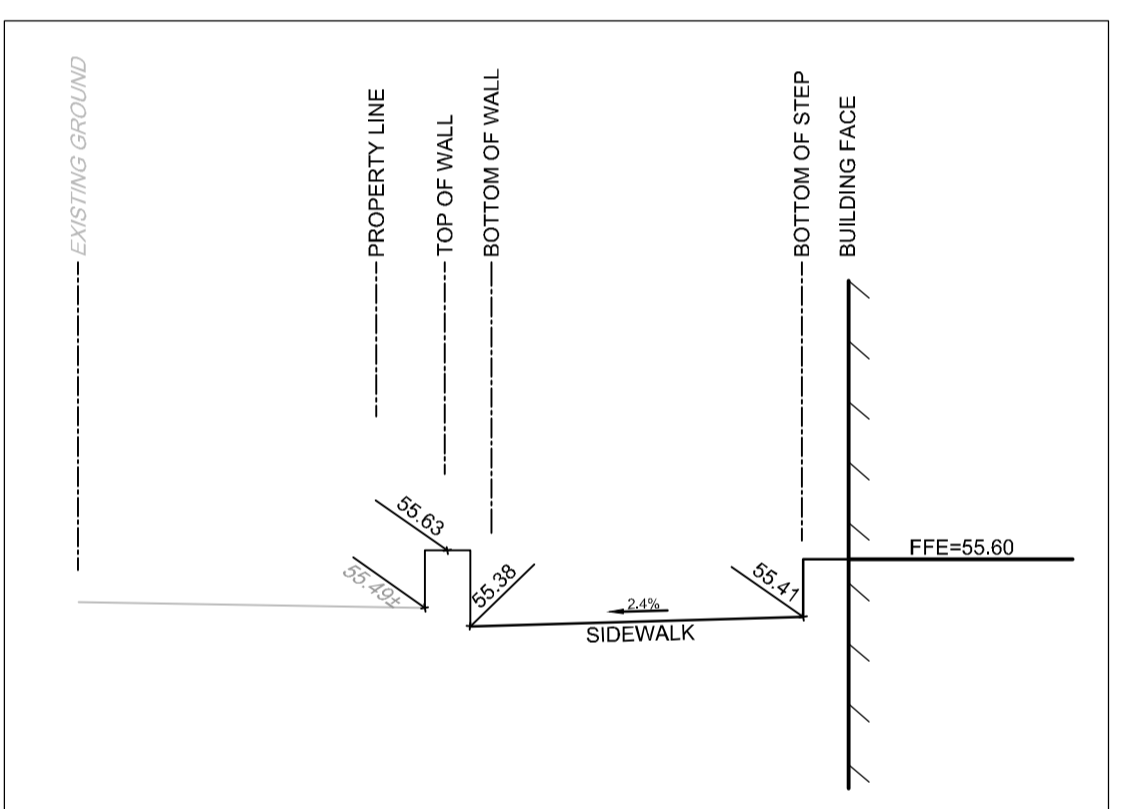
PROJECT No. 122167
 REV # 1
 DRAWING No. 122167-GP

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LEGEND

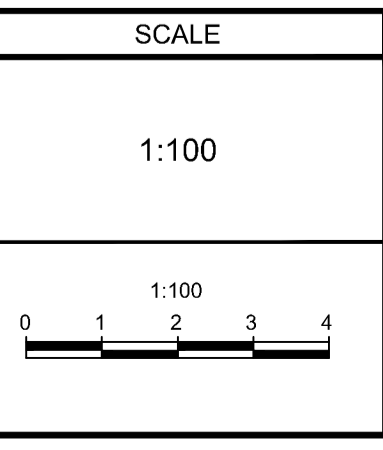
	PROPOSED ELEVATION		PROPOSED FINISHED FLOOR ELEVATION
	EXISTING ELEVATION		PROPOSED RETAINING WALL
	PROPOSED TOP OF CURB ELEVATION		PROPOSED BUILDING ENTRANCE
	PROPOSED FINISHED FLOOR ELEVATION AT DOORS		BALCONIES FROM LEVEL 1-3
	GRADE AND DIRECTION		EXISTING CONCRETE CURB
	MAXIMUM 3:1 SIDESLOPE		EXISTING SANITARY MANHOLE
	EMERGENCY OVERLAND FLOW ROUTE		EXISTING STORM MANHOLE
	PROPOSED STORM MANHOLE		EXISTING CATCHBASIN
	PROPOSED CATCHBASIN		EXISTING TREES/VEGETATION
	PROPOSED BARRIER CURB (PER SC1.1)		EXISTING UTILITY POLE CW/GUY WIRES
	PROPOSED DEPRESSED CURB (PER SC1.1)		EXISTING FENCE
	PROPOSED ROOF DRAIN		EXISTING LIGHT STANDARD



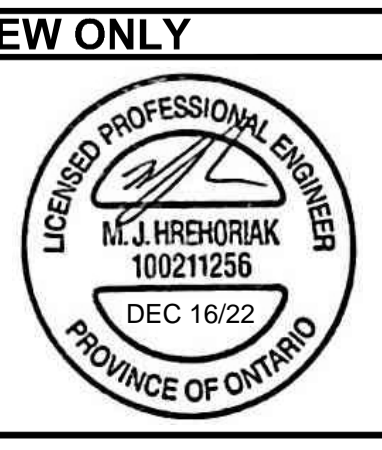
REFER TO 122167-ND FOR ADDITIONAL NOTES

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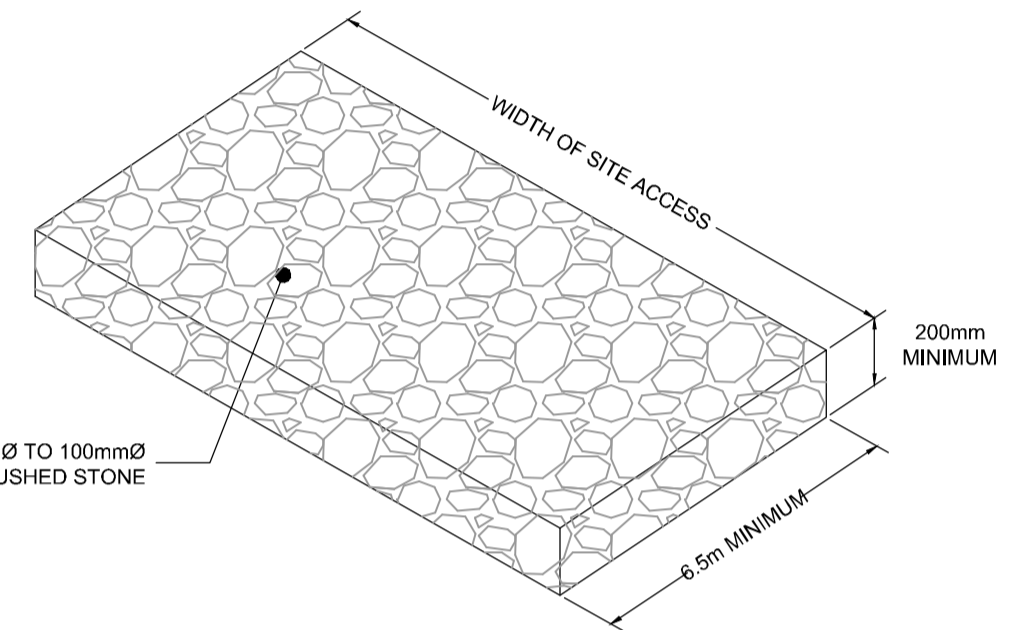
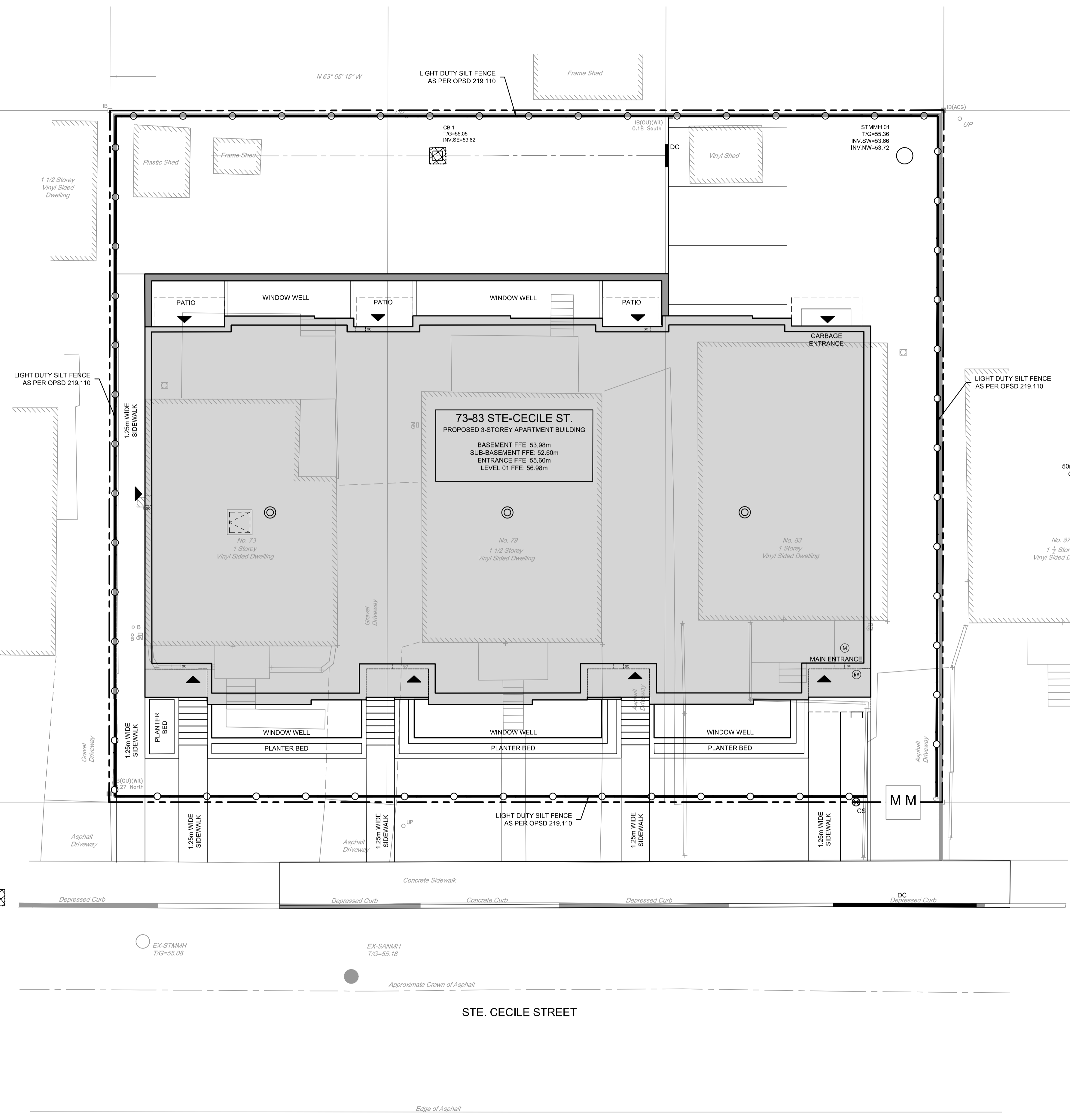
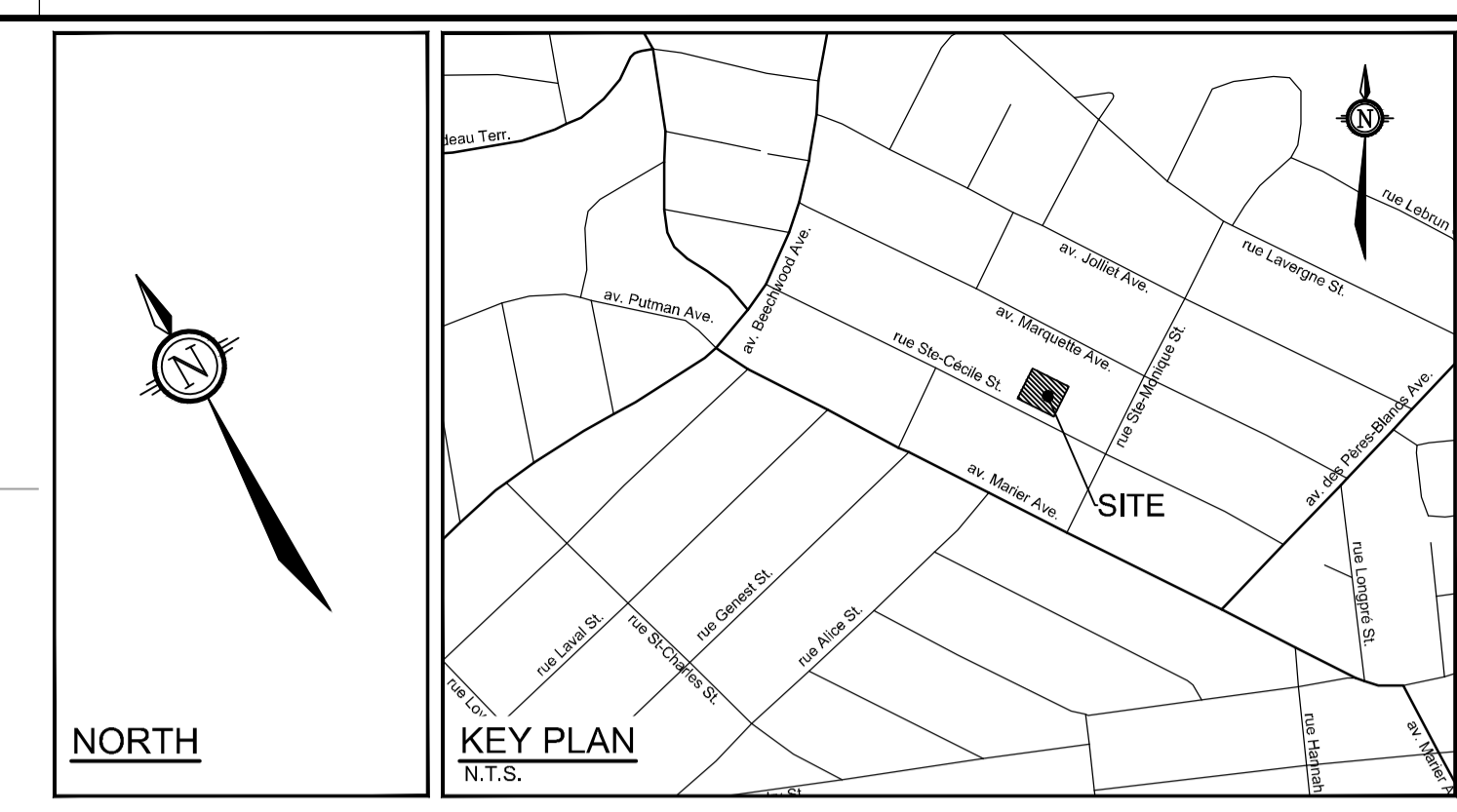
DESIGN	DMM/ZA
CHECKED	MJH
DRAWN	DMM/ZA
CHECKED	MJH
APPROVED	JLS



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 Website: www.novatech-eng.com

LOCATION CITY OF OTTAWA 73-83 CECILE STREET	
DRAWING NAME GRADING PLAN	
PROJECT No.	122167
REV	REV # 1
DRAWING No.	122167-GR

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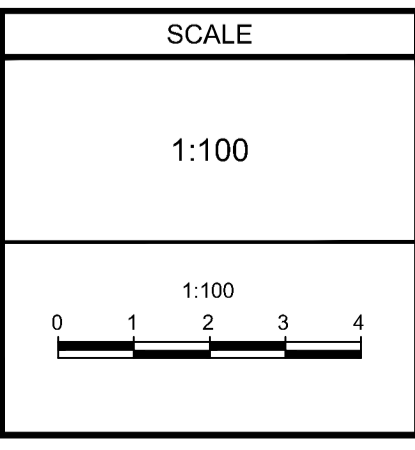
- LEGEND**
- PROPERTY LINE
 - ↘ 2.0% GRADE AND DIRECTION
 - ▨ MAXIMUM 3:1 SIDESLOPE
 - EMERGENCY OVERLAND FLOW ROUTE
 - STMMH 01 PROPOSED STORM MANHOLE
 - CB 1 PROPOSED CATCHBASIN
 - DC PROPOSED BARRIER CURB (PER SC1.1)
 - DC PROPOSED DEPRESSED CURB (PER SC1.1)
 - ICD | PROPOSED INLET CONTROL DEVICE
 - RD ○ PROPOSED ROOF DRAIN
 - ▨ PROPOSED RETAINING WALL
 - ▲ PROPOSED BUILDING ENTRANCE
 - - - BALCONIES FROM LEVEL 1-3
 - LIGHT DUTY SILT FENCE (OPSD 219.110)
 - MM PROPOSED MUD MAT / CONSTRUCTION ENTRANCE
 - ▨ PROPOSED FILTER BAGS AT CATCHBASINS
 - MH-SA ● EXISTING CONCRETE CURB
 - MH-ST ○ EXISTING SANITARY MANHOLE
 - CB □ EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - ☀ EXISTING TREES / VEGETATION
 - EX UP ○ EXISTING UTILITY POLE CW GUY WIRES
 - EXISTING FENCE
 - ☆ EXISTING LIGHT STANDARD

Erosion and Sediment Control Responsibilities:

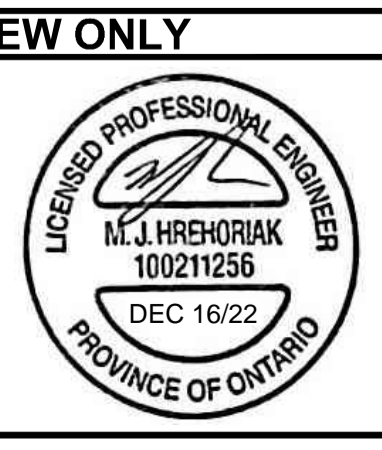
ESC Measure	Symbol	Specification	Installation Responsibility	During Construction		After Construction Prior to Final Acceptance		After Final Acceptance
				Inspection/Maintenance Responsibility	Inspection Frequency	Approval to Remove	Removal Responsibility	Inspection/Maintenance Responsibility
Silt Fence	—	OPSD 219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Filter Fabric	Location as Indicated On Plans	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Mud Mat	MM	Drawing Details	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Dust Control	Location as Required Around Site	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Stabilized Material Stockpiling	Location as Required by Contractor	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Sediment Basin (for flows being pumped out of excavations)	Location as Required by Contractor	---	Developer's Contractor	Developer's Contractor	After Every Rainstorm	Developer's Contractor	Developer's Contractor	N/A

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LOCATION
CITY OF OTTAWA
73-83 CECILE STREET

DRAWING NAME
EROSION AND SEDIMENT CONTROL PLAN

PROJECT No. 122167

REV # 1

DRAWING No. 122167-ESC

REFER TO 122167-ND FOR ADDITIONAL NOTES

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LEGEND

- PRE-DEVELOPMENT DRAINAGE AREA LIMITS
- POST-DEVELOPMENT DRAINAGE AREA LIMITS
- APPROXIMATE PONDING LIMITS
- AREA ID
- DRAINAGE AREA (ha)
- 1.5 YEAR WEIGHTED RUNOFF COEFFICIENT
- PROPOSED STORM MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED STORM SEWER AND FLOW DIRECTION
- PROPOSED INLET CONTROL DEVICE
- EMERGENCY OVERLAND FLOW ROUTE
- PROPOSED BUILDING ENTRANCE / EXIT
- EXISTING STORM MAIN & SEWER
- EXISTING CATCHBASIN OR CATCHBASIN LEAD
- MAXIMUM 3:1 SIDESLOPE

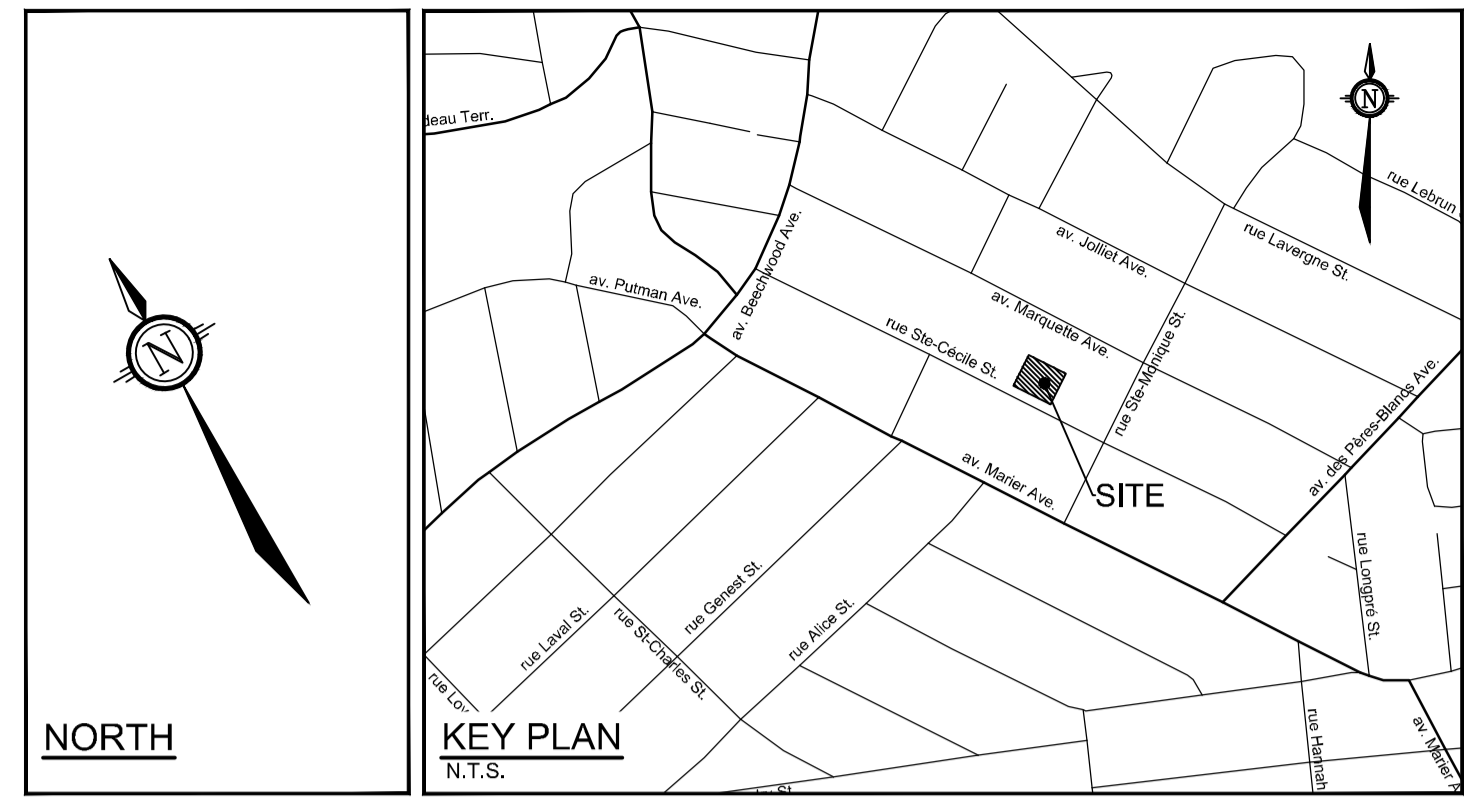
ROOF DRAIN TABLE: AREA A-2 (ROOF DRAINS 1 to 2)

AREA ID	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
A-2	RD 1 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm
A-2	RD 2 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm
A-2	RD 3 (RD-100-A-ADJ)	1/4 EXPOSED	0.71 L/s	8 cm	0.91 L/s	14 cm

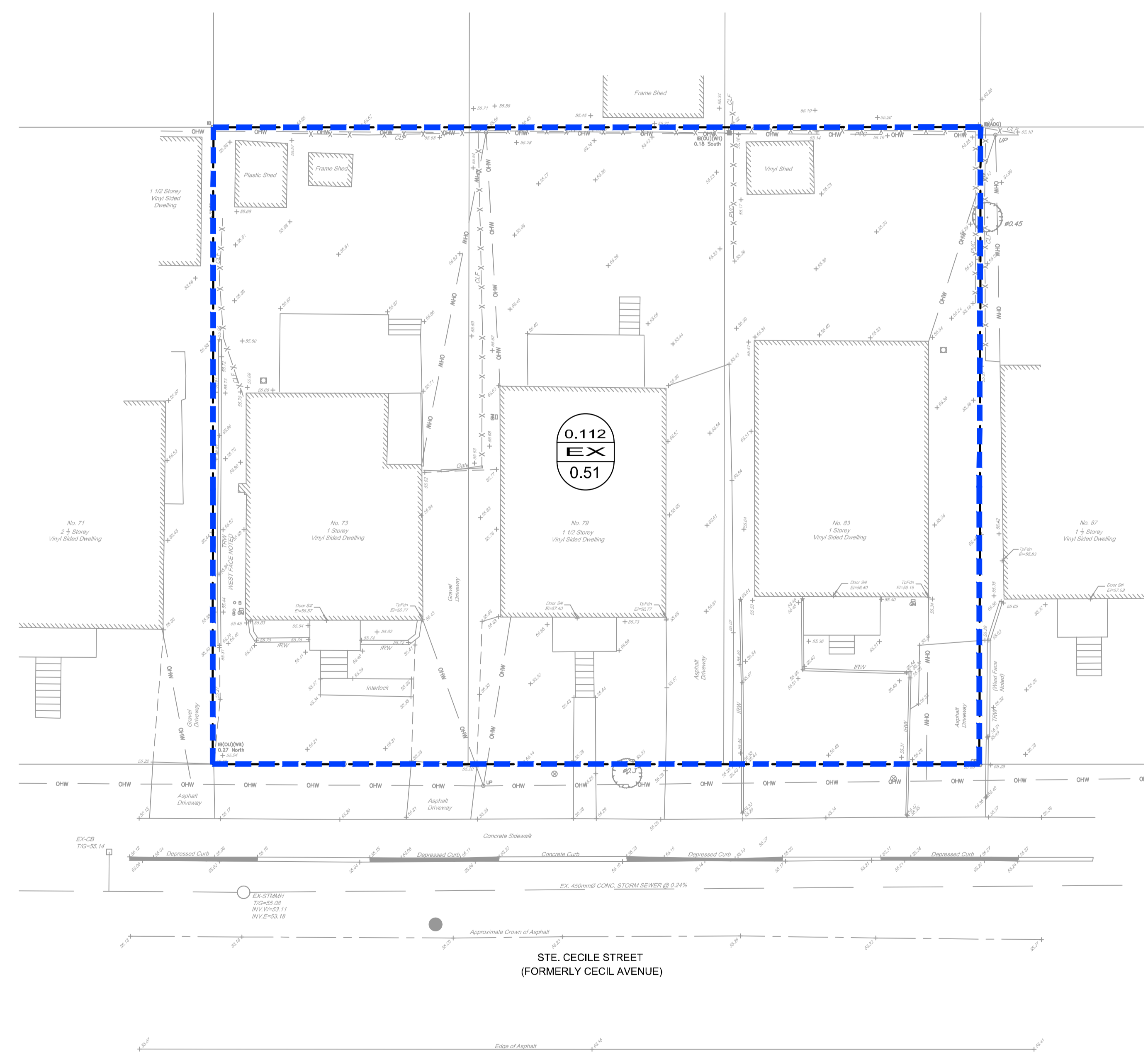
* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2022-198) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.
 * ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

INLET CONTROL DEVICE - DATA TABLE

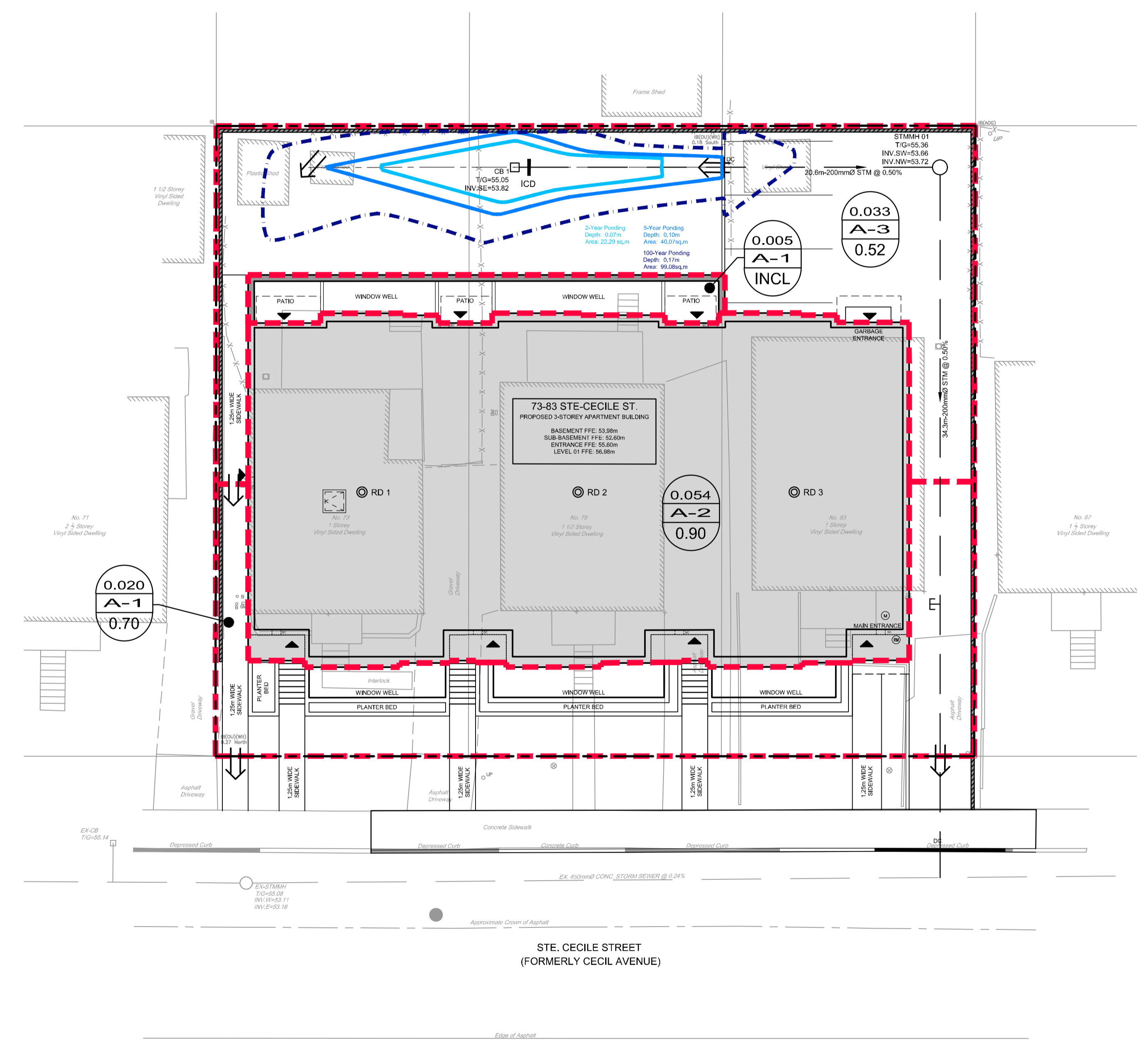
STRUCTURE ID	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)			DESIGN HEAD (m)		
			2-YEAR	5-YEAR	100-YEAR	2-YEAR	5-YEAR	100-YEAR
CB 1	TEMPEST LMF 60	200	3.5	3.6	3.7	1.20	1.23	1.30



PRE-DEVELOPMENT DRAINAGE AREA PLAN



POST-DEVELOPMENT DRAINAGE AREA PLAN



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SCALE

1:150

DESIGN	DMM/ZA
CHECKED	MJH
DRAWN	DMM/ZA
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APPROVED	JLS

FOR REVIEW ONLY

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LOCATION
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 73-83 CECILE STREET

DRAWING NAME
 STORM DRAINAGE AREA PLAN

PROJECT No. 122167
 REV # 1
 DRAWING No. 122167-SWM

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