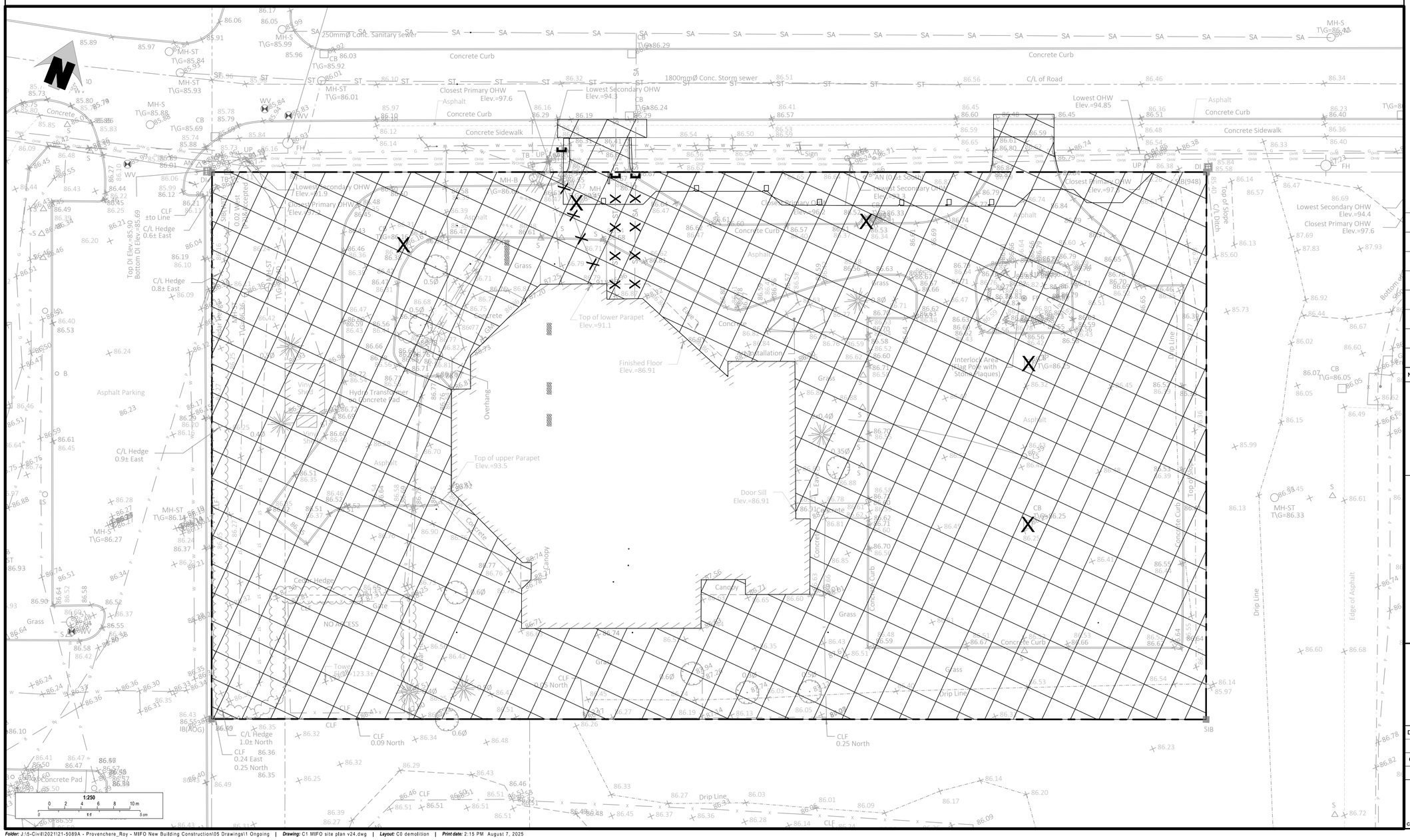
DEMOLITION NOTES

1. DEMOLISH AND REMOVE EXISTING ASPHALT, GRANULAR BASE, GRANULAR SUB-BASE, CONCRETE CURBS, WALKWAYS. REFER TO ARCHITECTURAL FOR ADDITIONAL DEMOLITION NOTES.
2. DEMOLISH AND REMOVE EXISTING CATCHBASIN/MANHOLES.
3. DEMOLISH AND REMOVE EXISTING STORM AND SANITARY SEWER LINES FROM BUILDING TO PROPERTY LINE AND CAP AT PROPERTY LINE. EXISTING LOCATION OF STORM AND SANITARY SHOWN IS APPROXIMATE AND TO BE FIELD CONFIRMED BEFORE DEMOLITION.
4. DEMOLISH AND REMOVE EXISTING WATERMAIN FROM BUILDING TO PROPERTY LINE. WATER SERVICE TO BE 'BLANKED' AT MUNICIPAL WATERMAIN IN ACCORDANCE WITH CITY OF OTTAWA REQUIREMENTS. REFER TO C1 DRAWING.
5. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL FOR OTHER SITE SERVICES NOT INCLUDED IN CIVIL DEMOLITION DRAWING.
6. REMOVE EXISTING EASTERN ENTRANCE INCLUDING DEPRESSED CURB, CONCRETE SIDEWALK, AND ASPHALT (BOULEVARD AND ENTRANCE).

REMOVALS LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- REMOVALS INCLUDE ASPHALT, CONCRETE, CONCRETE CURB
- SA — EXISTING SANITARY SEWER REMOVAL
- ST — EXISTING STORM SEWER REMOVAL
- W — EXISTING WATERMAIN REMOVAL
- EXISTING CATCHBASIN / MANHOLE REMOVAL



THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

DESIGN PROFESSIONAL'S SEAL OR SIGNATURE IS EFFECTIVE ONLY AS TO THAT VERSION OF THIS DOCUMENT AS ORIGINALLY PUBLISHED BY DESIGN PROFESSIONAL. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR ANY SUBSEQUENT MODIFICATION, CORRUPTION, OR UNAUTHORIZED USE OF SUCH DOCUMENT. TO VERIFY THE VALIDITY OR APPLICABILITY OF THE SEAL OR SIGNATURE, CONTACT DESIGN PROFESSIONAL.

No.	YYYY-MM-DD	Eng./Drft.	Revision Comments
6	2025-08-08	DN / WV	ISSUED FOR PERMIT
5	2025-07-29	DN / WV	SOUMISSION POUR CONTROL DU SITE R5 / ISSUED FOR CIVIL CCN #1 REV. 1
4	2025-06-19	DN / WV	ISSUED FOR CIVIL CCN #1
3	2025-05-13	DN / WV	SOUMISSION POUR CONTROL DU SITE R3
2	2025-04-10	DN / LA	ISSUED FOR CONSTRUCTION - SI #001
1	2025-02-12	DN / RW	ISSUED FOR ADDENDUM 1

REGISTERED PROFESSIONAL ENGINEER
D. NGUYEN
100053149
August 08, 2025
PROVINCE OF ONTARIO

MIFO

6600 CARRIÈRE STREET, OTTAWA, ONTARIO

~

DEMOLITION PLAN

Jp2g Consultants Inc.
ENGINEERS · PLANNERS · PROJECT MANAGERS

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Designed : ZB		Project No. : 21-5089A	
Drafted : ZB		Revision Date : 2025-07-29	
Checked : DN	Approved : DN	Revision No. : 5	
Scale : 1:250		21-5089A	

C0

C1 MIFO SITE PLAN V24.DWG

D07-12-25-0040

PLAN NO. 19319

GENERAL NOTES

1. DESIGN AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH MOST RECENT ONTARIO BUILDING CODE.
2. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
4. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
5. DO NOT SCALE DRAWINGS.
6. CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
7. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
8. EXISTING INFRASTRUCTURE INFORMATION IS IN REFERENCE TO TOPOGRAPHICAL SURVEY COMPLETED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. ON JANUARY 6, 2020 AND INFORMATION FROM GEOOTTAWA.

DRAWING NOTES

01 SUPPLY AND INSTALL NEW 3.0m LONG 150mmØ PERFORATED SUB-DRAINS WRAPPED IN GEOTEXTILE SOCK. EXTEND FROM ASSOCIATED STORM SEWER STRUCTURE AT PAVEMENT SUB-GRADE LEVEL AND PROVIDE WATERTIGHT CONNECTION.

1a SUBDRAINS SHOULD BE INSTALLED ON THE SIDES OF THE ACCESS ROAD AND PARKING AREA. SEE GEOTECHNICAL NOTES AND REFER TO GEOTECHNICAL REPORT.

02 CONNECT WATER, STORM AND SANITARY SERVICES TO BUILDING INTERIOR 1.0m FROM BUILDING FOUNDATION. REFER TO MECHANICAL PLANS.

03 BREAK IN AND CONNECT TO EXISTING SANITARY AND PROVIDE WATERTIGHT CONNECTION. APPROXIMATE INVERT ELEVATION OF EXISTING SEWER: 83.43m; TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONNECTION SHALL BE MADE WITH CORE DRILLING. CONNECTION TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S11

04 BREAK IN AND CONNECT TO EXISTING STORM SEWER AND PROVIDE WATERTIGHT CONNECTION. APPROXIMATE INVERT ELEVATION OF EXISTING SEWER: 81.38m; TO BE CONFIRMED BY CONTRACTOR. CONNECTION SHALL BE MADE WITH CORE DRILLING.CONNECTION TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S11

05 EXISTING STORM, SANITARY AND WATER SERVICES CONNECTING TO THE EXISTING BUILDING TO BE CAPPED AT MAIN LINE, TO COORDINATE WITH THE CITY OF OTTAWA AND DRINKING WATER SERVICES.

06 SUPPLY AND INSTALL NEW OIL GRIT SEPARATOR UNIT (OGS01). MINIMUM 80% TSS REMOVAL. STORMCEPTOR EFO4 OR APPROVED EQUAL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL

DRAWING NOTES CONT.D

07 CONNECT NEW 150mmØ x 75.0m LENGTH WATER SERVICE TO EXISTING WATERMAIN AND PROVIDE WATERTIGHT CONNECTION. APPROX. TOP OF WATERMAIN ELEVATION: 83.74m; TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED. CONNECTION TO EXISTING WATERMAIN IS TO BE VIA THE USE OF AN APPROVED PRE-MANUFACTURED TEE.

08 INSTALL NEW DROP STRUCTURE PER OPSD 1003.020.

09 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN CB-1 OUTLET. MAXIMUM DISCHARGE 20 L/s AT 1.67m HEAD AND ORIFICE DIAMETER AT 85mm. TOP OF CB-1 COVER TO BE 50mm ABOVE FINISHED GRADE.

10 UNDERGROUND GEOTHERMAL SYSTEM, REFER TO MECHANICAL.

11 CONNECT TRENCH DRAIN TO STORM SEWER.

12 INSTALL HEAVY DUTY PRECAST TRENCH DRAIN COMPLETE WITH COVER, 200mm WIDE AND 2.5m LONG WITH HOT DIPPED GALVANIZED FINISH.

13 SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT STORM MANHOLE, STMH-01 INLET. BOTTOM OF ORIFICE TO BE FLUSH WITH OUTLET OF 1050mm PIPE INVERT. MAXIMUM DISCHARGE 18.3 l/s AT 1.08m HEAD AND ORIFICE DIAMETER AT 91mm.

14 INSTALL STORM AND SANITARY SEWER BACKFLOW PREVENTER INSIDE BUILDING PER APPROVED CITY OF OTTAWA PRODUCTS.

15 LIGHT STANDARD DISTRIBUTION, REFER TO ELECTRICAL (TYPICAL).

16 PERFORATED DRAIN TO BE CONNECTED TO STORM NETWORK

17 INSTALL WATERMAIN CROSSING OVER PROPOSED STORM SEWER AS PER CITY OF OTTAWA DETAIL W25.2. ENSURE 0.5m SPACING BETWEEN STORM SEWER AND WATERMAIN. PROVIDE AND INSTALL HI-40 INSULATION AS PER CITY OF OTTAWA DETAIL W22.

Storm Sewer Structure Table

Manhole No.	Structure OPSD	Top of Frame	Pipe Invert Elevation
CBMH-03	1200mm Conc.. Ø	86.55	IN 84.05 OUT 83.99
CBMH-02	1200mm Conc.. Ø	86.48	IN 83.87 OUT 83.86
CBMH-01	1,800mmØ Manhole	86.45	IN 83.75 OUT 82.84
STMH-01	1,800mmØ Manhole	86.45	IN 82.60 IN 84.26 IN 83.30 OUT 82.57
OGS01	1200mm Conc.. Ø	86.39	IN 82.50 OUT 82.44
CB-01	1200mm Conc.. Ø	85.97	OUT 84.52
TD1	PREFAB	85.58	OUT 84.51

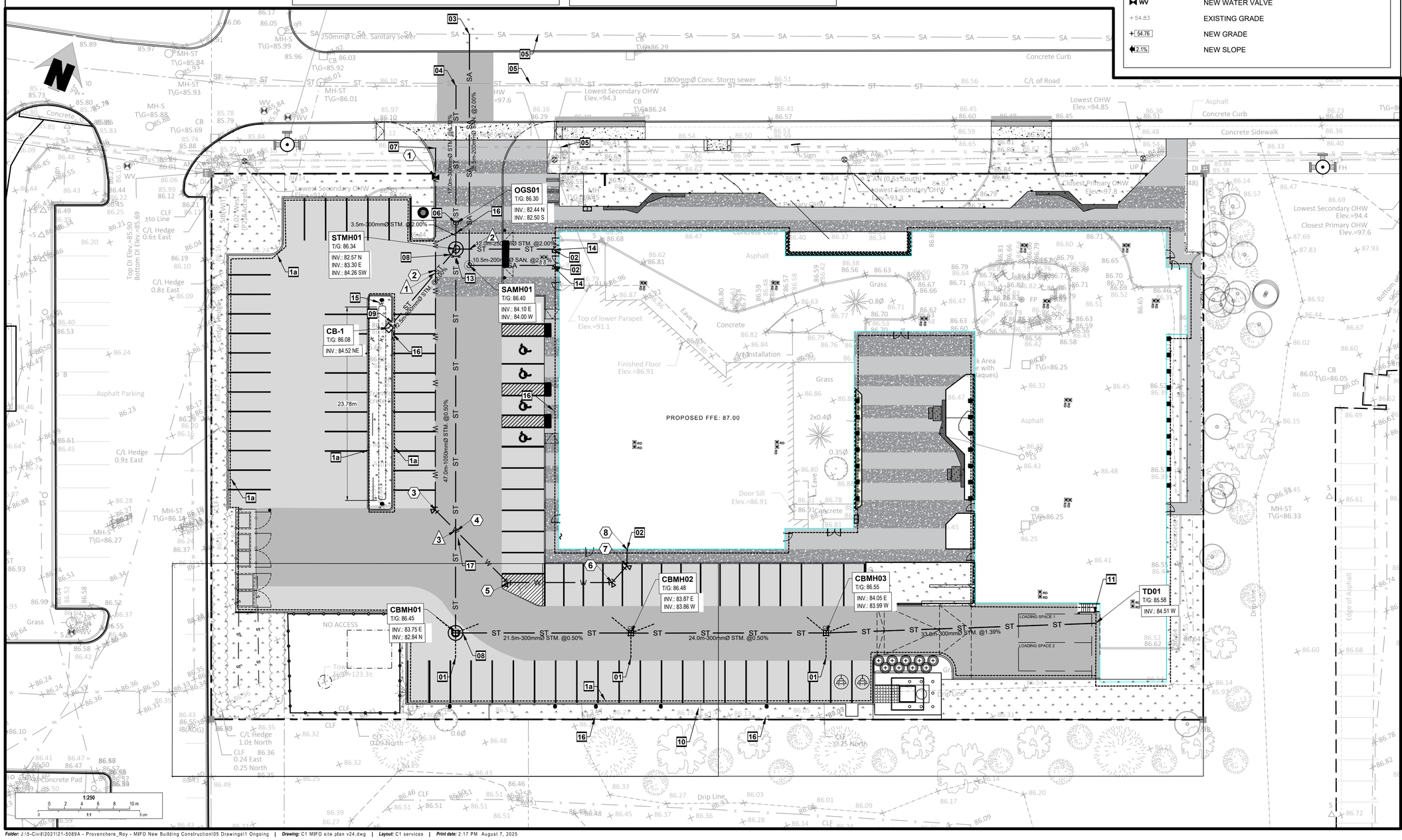
Sanitary Sewer Structure Table

Manhole No.	Structure OPSD	Top of Frame	Pipe Invert Elevation
SAMH - 01	1200mmØ Conc. Ø	86.48	IN 84.10 OUT 84.00

LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- SA — EXISTING SANITARY SEWER
- ST — EXISTING STORM SEWER
- W — EXISTING WATERMAIN
- SA — NEW SANITARY SEWER
- ST — NEW STORM SEWER
- W — NEW WATERMAIN
- NEW LIGHT DUTY ASPHALT
- NEW HEAVY DUTY ASPHALT
- NEW CONCRETE SIDEWALK
- NEW GRASS
- EX–CB — EXISTING CATCHBASIN
- EX–CBMH — EXISTING CATCHBASIN MANHOLE
- **CB-#** — NEW CATCHBASIN
- **CBMH-#** — NEW CATCHBASIN MANHOLE
- **SAMH-#** — NEW SANITARY MANHOLE
- **STMH-#** — NEW STORM MANHOLE
- **WV** — NEW WATER VALVE
- +54.83 — EXISTING GRADE
- +54.76 — NEW GRADE
- 2.1% — NEW SLOPE

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



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11	2025-05-16	DN / WV	SOUMISSION POUR CONTROL DU SITE R3
10	2025-04-10	DN / LA	ISSUED FOR CONSTRUCTION - SI #001
9	2025-03-25	DN / WV	SOUMISSION POUR CONTROL DU SITE R2
8	2025-01-13	DN / ZB	ISSUED FOR TENDER
7	2024-12-20	DN / ZB	100% SOUMISSION R2
6	2022-12-09	DN / ZB	SOUMISSION POUR CONTROL DU SITE
5	2022-10-28	DN / DS	100% SOUMISSION R1
4	2022-09-30	DN / DS	100% SOUMISSION
3	2022-09-02	DN / DS	99% SOUMISSION
2	2022-06-17	DN / DS	60% SOUMISSION
1	2022-03-04	DN / RW	PRÉLIMINAIRE 30%

REGISTERED PROFESSIONAL ENGINEER
D.NGUYEN
100053149
AUGUST 08, 2025
PROVINCE OF ONTARIO

MIFO

6600 CARRIÈRE STREET, OTTAWA, ONTARIO

~

SITE SERVICING PLAN

Jp2g Consultants Inc.
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Designed : WV			Project No. : 21-5089A
Drafted : WV			Revision Date : 2025-07-29
Checked : DN	Approved : DN		Revision No. : 14
Scale : 1:250			21-5089A

C1

C1 MIFO SITE PLAN V24.DWG

D07-12-25-0040

PLAN NO. 19319

GENERAL NOTES

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DRAWING NOTES

01 INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130 AND PROVIDE SNOW FENCE AROUND EXISTING TREES (REFER TO LANDSCAPE PLAN).

02 MATCH EXISTING GRADES AT PROPERTY LINE AND LIMITS OF WORK.

03 PROTECT EXISTING ASPHALT AND CONCRETE WALKWAYS DURING CONSTRUCTION.

04 CONTRACTOR TO PROTECT EXISTING STRUCTURES DURING CONSTRUCTION.

05 TOP OF CB1 TO BE 50mm ABOVE FINISHED GRADE.

06 NEW BIOSWALE DETAIL PER LANDSCAPE.

07 REMOVE PORTION OF EXISTING SIDEWALK. CONSTRUCT DEPRESSED ENTRANCE AS PER CITY OF OTTAWA STANDARD DETAIL SC7.1 AND SC2. MATCH EXISTING SIDEWALK AT LIMITS OF WORK.

08 REINSTATE TRENCH ROAD CUT PER CITY OF OTTAWA STANDARD DETAIL R10. REINSTATEMENT TO BE TO THE SATISFACTION OF THE CITY OF OTTAWA. KEY INTO EXISTING ASPHALT PER DETAIL 5/C3.

09 REINSTATE EXISTING CONCRETE BARRIER CURB AS PER CITY OF OTTAWA STANDARD DETAIL SC1.1, MATCH EXISTING ELEVATION

10 REINSTATE DISTURBED GRASSED AREA. MATCH SURROUNDING GRADE.

11 NEW CURB CUT

GEOTECHNICAL NOTES

1. GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO SHALL INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.
2. GEOTECHNICAL INVESTIGATION PROPOSED BUILDING EXPANSION, 6600 CARRIÈRE STREET PREPARED BY PATERSON GROUP INC., REPORT: PG3694-1 REV.2, DATED APRIL 29, 2025.

DRAWING NOTES CONT.

12 NEW LIGHT DUTY ASPHALT AS PER DETAIL 1 ON SHEET C3

13 NEW HEAVY DUTY ASPHALT AS PER DETAIL 2 ON SHEET C3

14 REMOVE PORTION OF EXISTING SIDEWALK, CURB, AND ASPHALT BOULEVARD. REPLACE WITH NEW FULL HEIGHT CONCRETE CURB. ASPHALT GUTTER, AND CONCRETE SIDEWALK AS PER CITY OF OTTAWA DETAILS SC1, SC4, AND SC20.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES; THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS, AND INSTALLING AND MAINTAINING MUD MATS FOR OUTGOING CONSTRUCTION TRAFFIC DURING CONSTRUCTION ACTIVITIES.
2. PREVENT SOIL LOSS DURING CONSTRUCTION (BY STORM WATER RUNOFF OR WIND EROSION).
3. PREVENT SEDIMENTATION OF STORM SEWERS AND RECEIVING STREAMS.
4. PREVENT AIR POLLUTION FROM DUST AND PARTICULATE MATTER.
5. INSTALL FILTER BAG INSERT IN ALL STORM MANHOLES AND CATCH BASINS IMPACTED DURING CONSTRUCTION, INCLUDING CATCH BASINS IN THE RIGHT OF WAY.
6. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE TOWNSHIP OF NORTH DUNDAS INSPECTOR OR CONSERVATION AUTHORITY.
7. STORM WATER PUMPED INTO CITY SERVICE SHALL FLOW THROUGH A FILTER SOCK.
8. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
9. CONTRACTOR TO PROVIDE SNOW FENCE PROTECTION FOR EXISTING TREES AS PER THE LANDSCAPE DRAWINGS.

LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- SA — EXISTING SANITARY SEWER
- ST — EXISTING STORM SEWER
- W — EXISTING WATERMAIN
- SA — NEW SANITARY SEWER
- ST — NEW STORM SEWER
- W — NEW WATERMAIN
- NEW LIGHT DUTY ASPHALT (DET1/C3)
- NEW HEAVY DUTY ASPHALT (DET2/C3)
- NEW CONCRETE SIDEWALK
- NEW GRASS
- EX–CB — EXISTING CATCHBASIN
- EX–CBMH — EXISTING CATCHBASIN MANHOLE
- CB-# — NEW CATCHBASIN
- CBMH-# — NEW CATCHBASIN MANHOLE
- SAMH-# — NEW SANITARY MANHOLE
- STMH-# — NEW STORM MANHOLE
- WV — NEW WATER VALVE
- +54.83 — EXISTING GRADE
- +54.76 — NEW GRADE
- 2.1% — NEW SLOPE
- OVERLAND FLOW ROUTE

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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7	2024-12-20	DN / ZB	100% SOUMISSION R2
6	2022-12-09	DN / ZB	SOUMISSION POUR CONTROL DU SITE
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REGISTERED PROFESSIONAL ENGINEER — D.NGUYEN — 100053149 — AUGUST 08, 2025 — PROVINCE OF ONTARIO

MIFO

6600 CARRIÈRE STREET, OTTAWA, ONTARIO

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SITE GRADING AND DRAINAGE, EROSION AND SEDIMENT CONTROL PLAN

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C2

C1 MIFO SITE PLAN V24.DWG

D07-12-25-0040

PLAN NO. 19319

General Notes

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE: CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO POWER, COMMUNICATION AND GAS LINES.
5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. DATED ON JULY 31, 2018. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
15. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
16. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
17. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.
19. PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER. REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES.

Notes: Sanitary Sewer and Manholes

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING. PROVIDE DYE TESTING FOR NEW SERVICES.
2. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2,3,4.
3. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
4. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
6. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

Parking Lot and Work in Public Rights of Way

**** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES.****

1. PRIOR TO START OF CONSTRUCTION:
   - 1.1. INSTALL SILT FENCE IN LOCATION SHOWN.
   - 1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
   - 1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
2. DURING CONSTRUCTION:
   - 2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
   - 2.2. PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
   - 2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
   - 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
   - 2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
   - 2.6. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
   - 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
   - 2.8. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
   - 2.9. CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
   - 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
   - 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
   - 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
   - 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
   - 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
   - 2.15. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
   - 2.16. 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.

Notes: Watermain

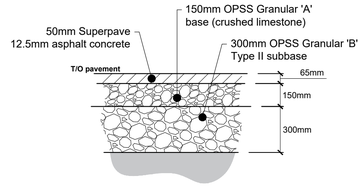
1. ALL WATERMAIN AND WATERMAIN APPURTANANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAINS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
4. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 & W25.4.
5. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
6. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
7. FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
8. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

Parking Lot and Work in Public Rights of Way

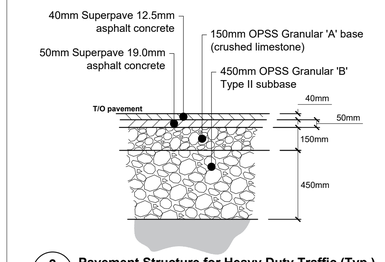
1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
4. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
6. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
7. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
8. CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
9. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
10. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
11. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY, LIGHT DUTY AND BASKETBALL COURT AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

Notes: Storm Sewer and Manholes

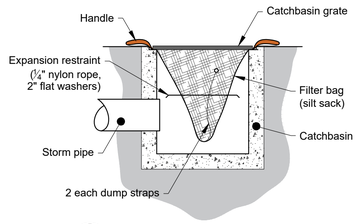
1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
2. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
3. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100.
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE ON DRAWING C1.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31.
7. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
8. STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMH'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
9. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.



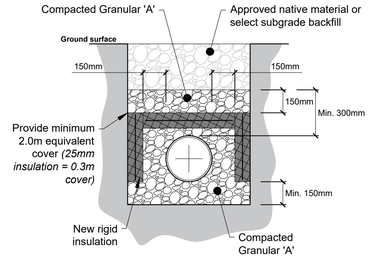
1 C3 **Pavement Structure for Light Duty Traffic (Typ.)**
Scale: **N.T.S**



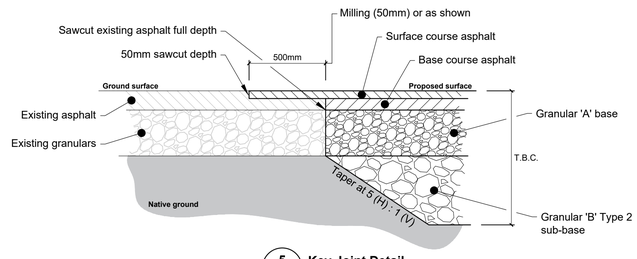
2 C3 **Pavement Structure for Heavy Duty Traffic (Typ.)**
Scale: **N.T.S**



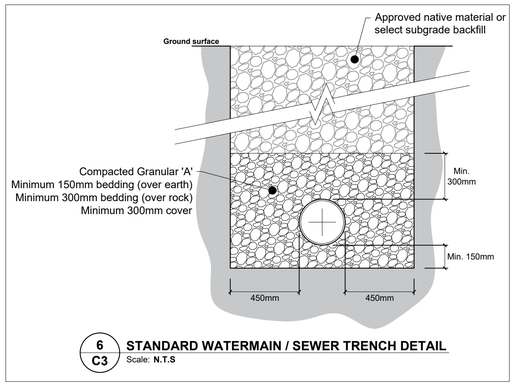
3 C3 **Catchbasin Filter Bag / Insert**
Scale: **N.T.S**



4 C3 **Standard Trench c/w Thermal Insulation Detail**
Scale: **N.T.S**



5 C3 **Key Joint Detail**
Scale: **N.T.S**



6 C3 **STANDARD WATERMAIN / SEWER TRENCH DETAIL**
Scale: **N.T.S**

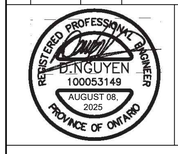
WATER SERVICE TABLE

ID	DESCRIPTION	FINISHED GRADE (m)	T/O WATERMAIN (m)
①	VALVE	86.20	83.75
②	STORM CROSSING	86.25	83.86
③	45° HORIZONTAL BEND	86.44	84.04
④	STORM CROSSING	86.51	84.48
⑤	45° HORIZONTAL BEND	86.64	84.24
⑥	45° HORIZONTAL BEND	86.68	84.28
⑦	45° HORIZONTAL BEND	86.72	84.32
⑧	BUILDING CONNECTION	87.00	84.60

NOTE: PROVIDE MINIMUM 2.4m COVER OVER T/O WATERMAIN TO FINISHED GRADE.
OTHERWISE PROVIDE THERMAL INSULATION HL40 AS PER CITY OF OTTAWA STANDARD DETAIL W22

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	YYYY-MM-DD	Eng./Drft.	Revision Comments
15	2025-08-08	DN / WV	ISSUED FOR PERMIT
14	2025-07-29	DN / WV	SOUMISSION POUR CONTROL DU SITE R5 / ISSUED FOR CIVIL CCN#1 REV. 1
13	2025-06-19	DN / WV	ISSUED FOR CIVIL CCN#1
12	2025-06-10	DN / WV	SOUMISSION POUR CONTROL DU SITE R4
11	2025-05-16	DN / WV	SOUMISSION POUR CONTROL DU SITE R3
10	2025-04-10	DN / LA	ISSUED FOR CONSTRUCTION - SI #001
9	2025-03-25	DN / WV	SOUMISSION POUR CONTROL DU SITE R2
8	2025-01-13	DN / ZB	ISSUED FOR TENDER
7	2024-12-20	DN / ZB	100% SOUMISSION R2
6	2022-12-09	DN / ZB	SOUMISSION POUR CONTROL DU SITE
5	2022-10-28	DN / DS	100% SOUMISSION R1
4	2022-09-30	DN / DS	100% SOUMISSION
3	2022-09-02	DN / DS	99% SOUMISSION
2	2022-06-17	DN / DS	60% SOUMISSION
1	2022-03-04	DN / RW	PRÉLIMINAIRE 30%



MIFO

6600 CARRIÈRE STREET, OTTAWA, ONTARIO

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GENERAL NOTES AND DETAILS I

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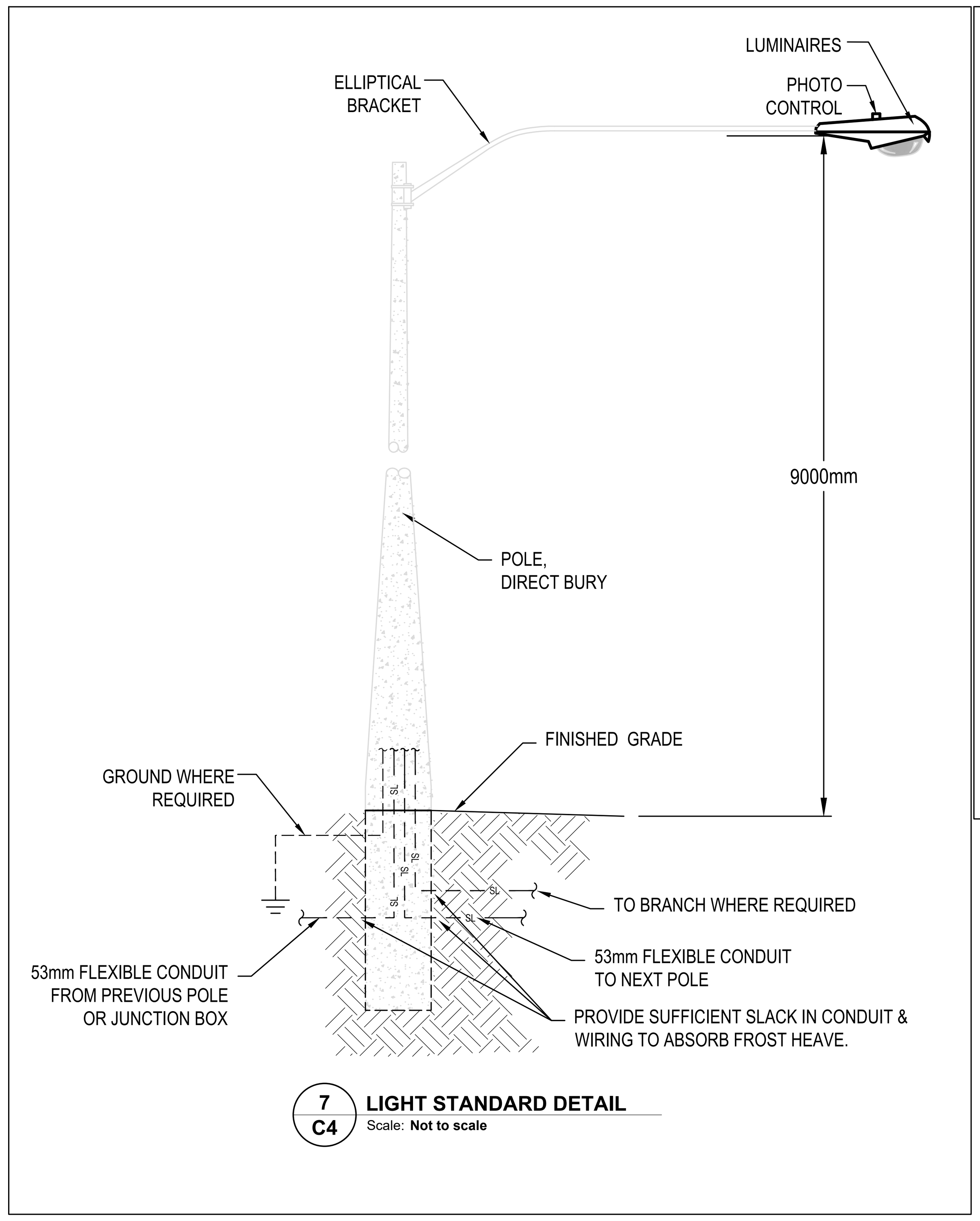
Designed : **WV**		Project No. : **21-5089A**	
Drafted : **WV**		Revision Date : **2025-07-25**	
Checked : **DN**	Approved : **DN**	Revision No. : **14**	
Scale : **1:250**		**21-5089A**	

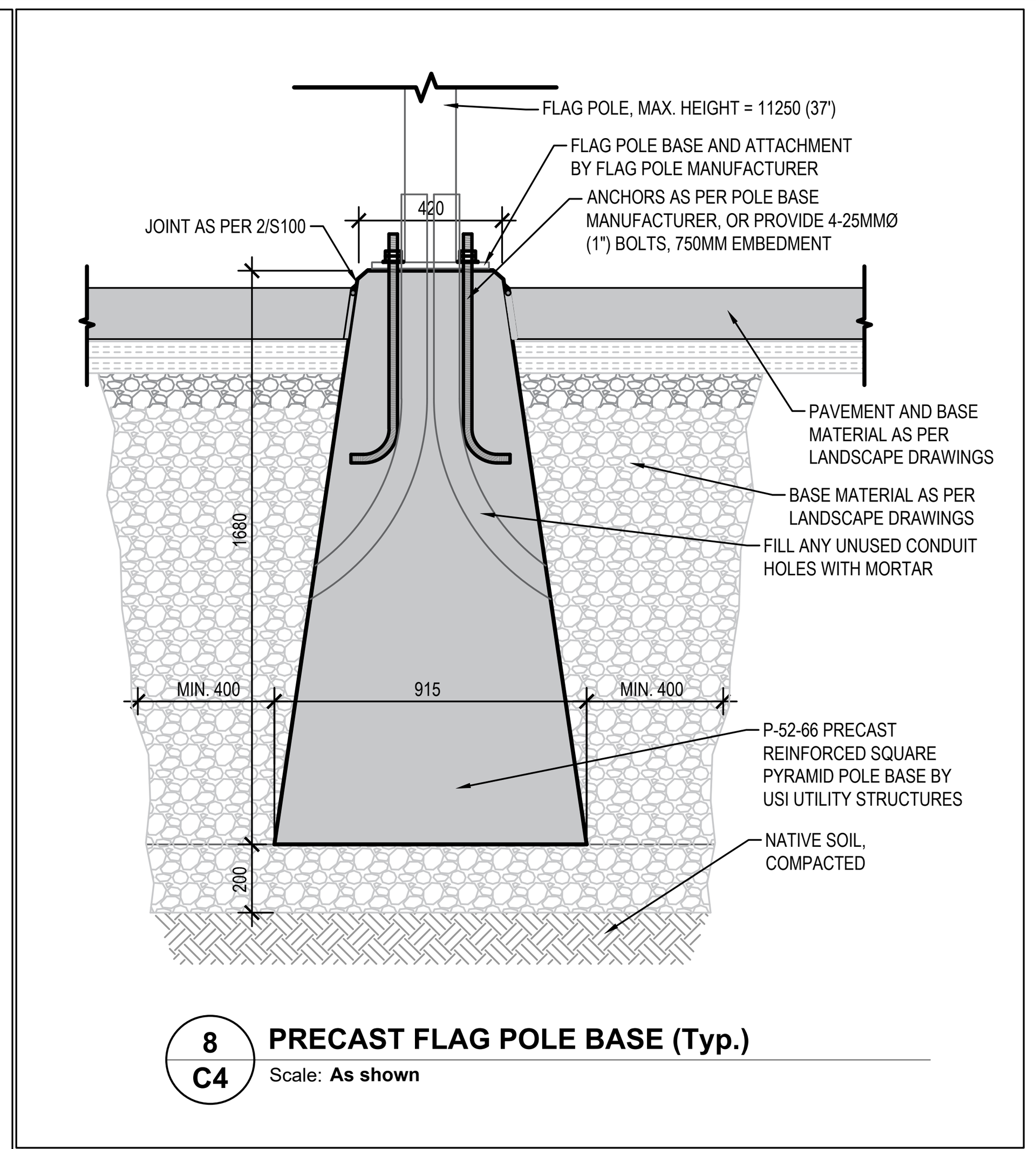
C3

C1 MIFO SITE PLAN V24.DWG

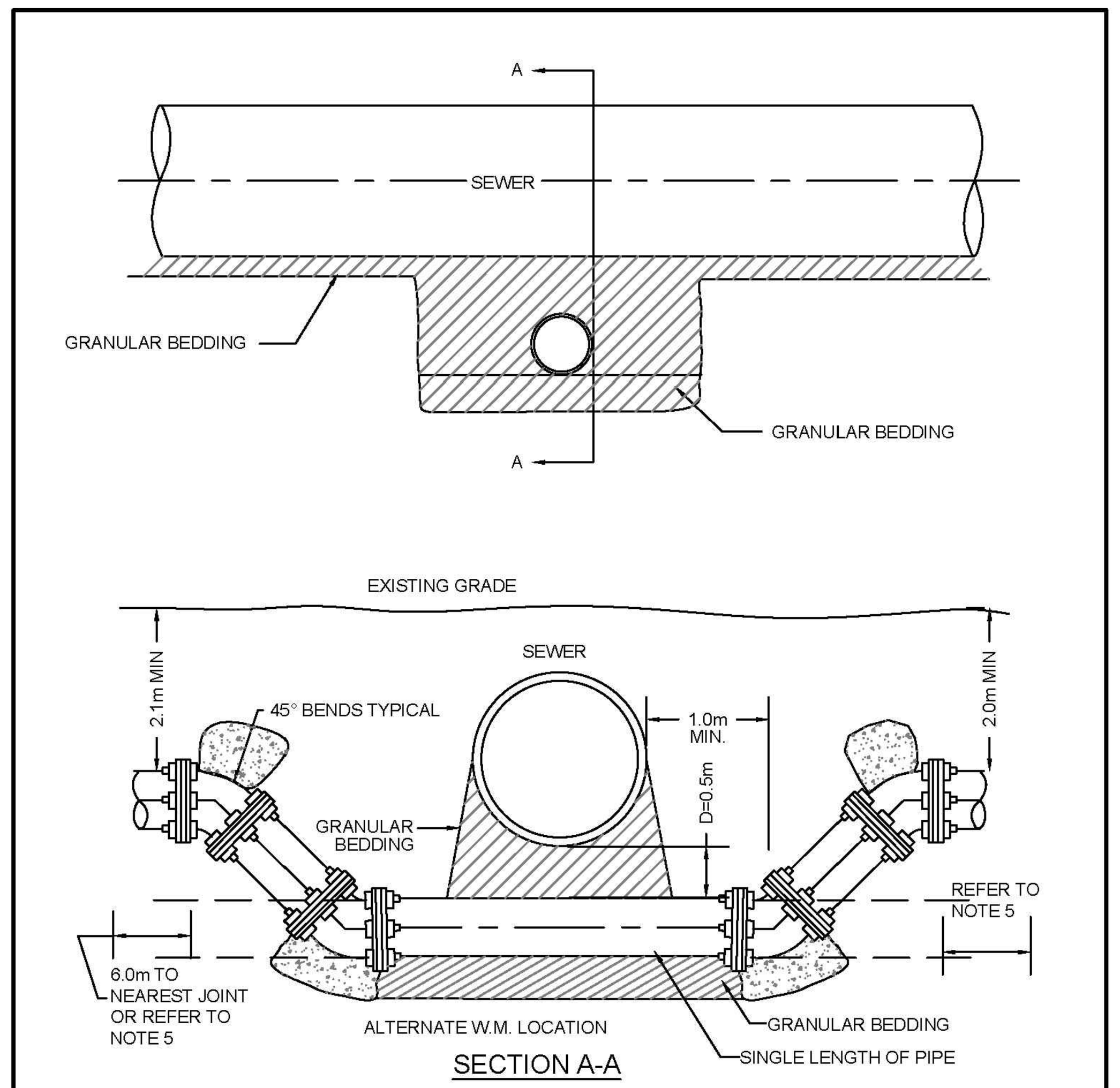
D07-12-25-0040



7 / C4 **LIGHT STANDARD DETAIL**
Scale: **Not to scale**



8 / C4 **PRECAST FLAG POLE BASE (Typ.)**
Scale: **As shown**



NOTES
1. BARREL TO BARREL SEPARATION SHALL BE 500mm MIN.
2. THRUST BLOCKS FOR MAINS LARGER THAN 400mm SHALL BE AS PER DESIGN.
3. FOR 300mm & 400mmØ MAINS, BENDS SHALL BE MAX. 22½°.
4. CONCRETE SHALL BE 20Mpa.
5. RETAINING RINGS AND /OR THREADED RODS TO BE USED AT ALL JOINTS WHERE CONCRETE THRUST BLOCKS CAN'T BE UTILIZED AND WHERE COUPLING CONNECTIONS ARE MADE LESS THAN 6.0m FROM THE JOINT.
6. THIS STANDARD APPLIES TO WATERMAINS 100mm TO 400mmØ (NOMINAL)

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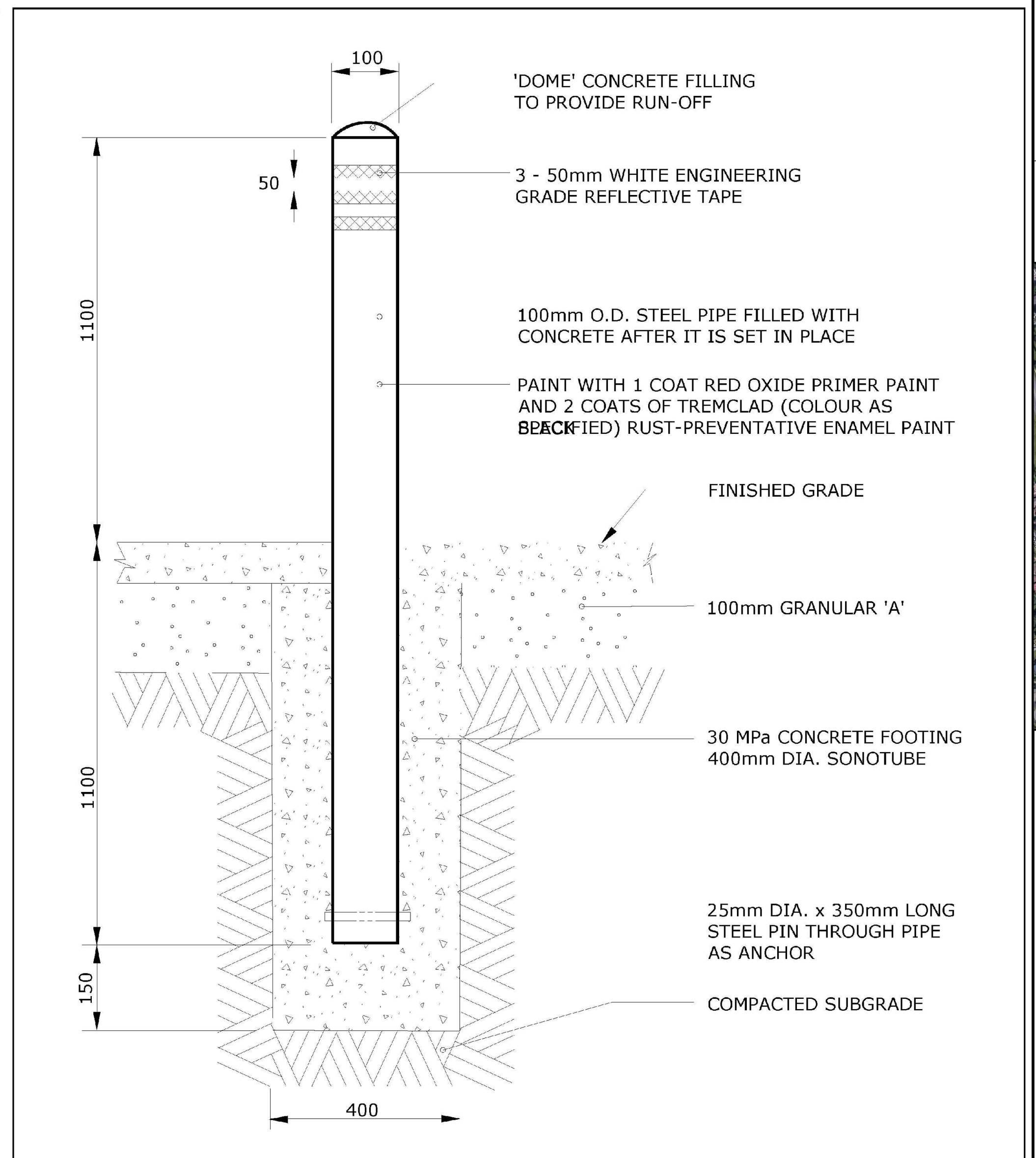
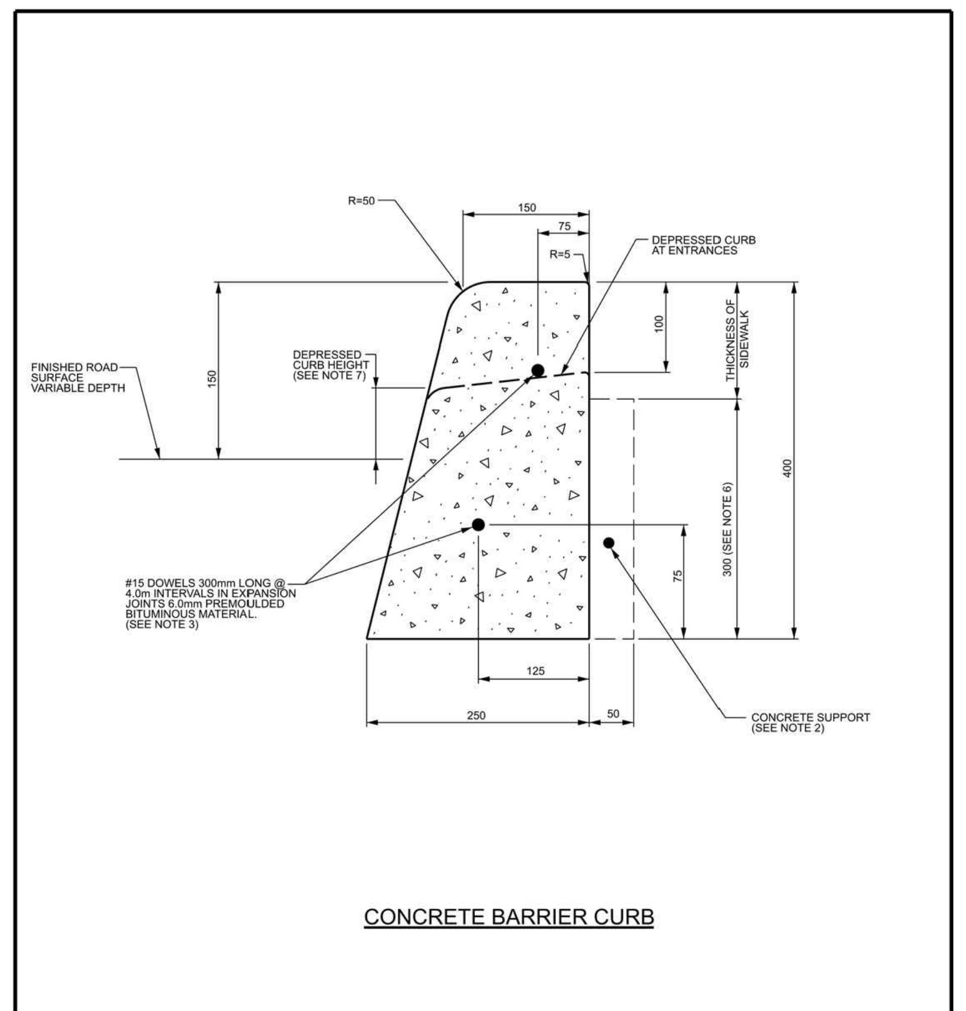
WATERMAIN CROSSING BELOW A SEWER — MAR. 2003 / MAR. 2014 — W-2A



NOTES:
ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

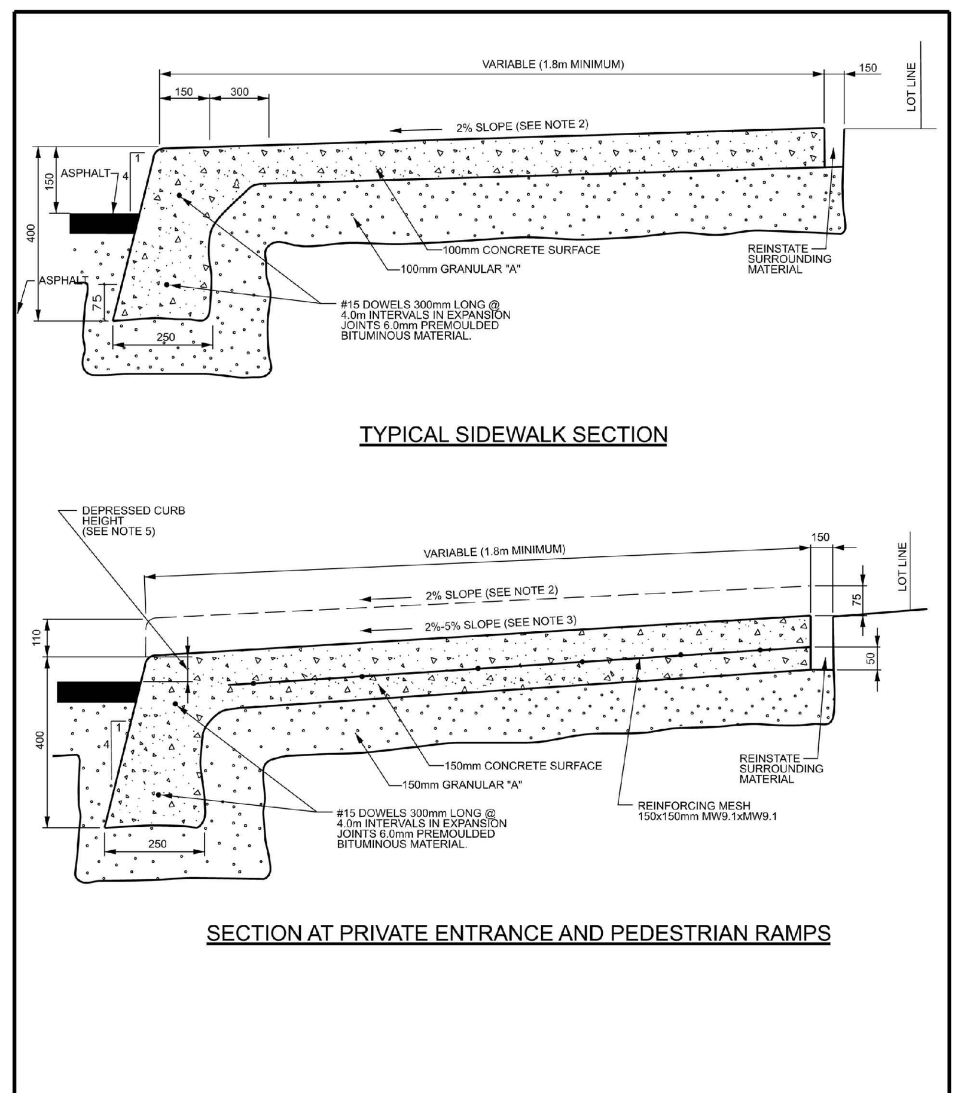
Ottawa — TITLE: 100mm DIAMETER STEEL BOLLARD INSTALLATION FOR PARKING LOTS/PARKS — DATE: MAY 2001 — REV: JAN 2015 — DWG No: F5



NOTES:
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
6. FOR DEPRESSED CURB AT ENTRANCES USE 250.
7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

N.T.S.

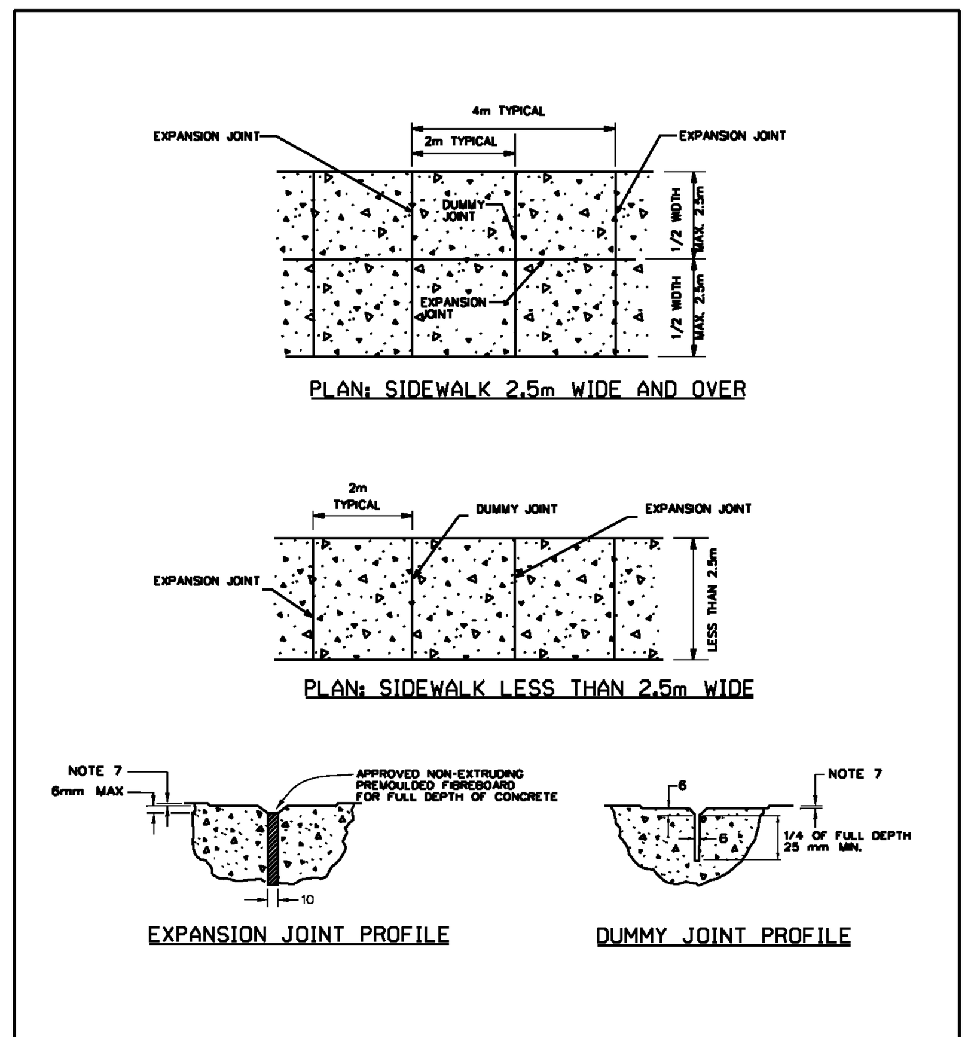
Ottawa — CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110) — DATE: JANUARY 2003 — REV. DATE: MARCH 2021 — DWG. No.: SC1.1



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%.
4. EXPANSION AND DUMMY JOINTS AS PER SC5.
5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

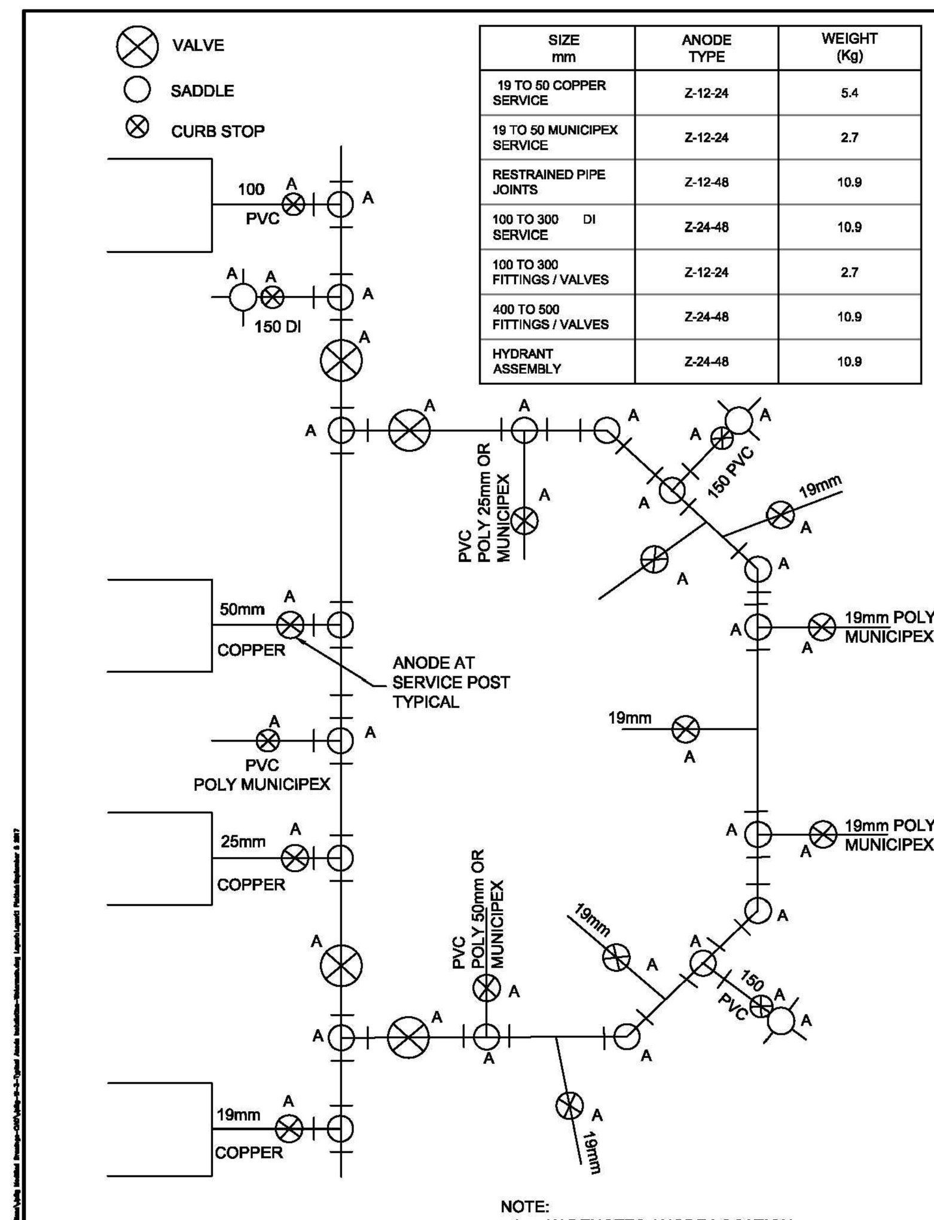
N.T.S.

Ottawa — MONOLITHIC CONCRETE CURB AND SIDEWALK — DATE: MAY 2001 — REV. DATE: MAY 2021 — DWG. No.: SC2



NOTES:
1. EXPANSION JOINTS IN SIDEWALK SHALL BE IN LINE WITH EXPANSION JOINTS IN CURB.
2. TRANSVERSE EXPANSION JOINTS ARE REQUIRED AT THE ENDS, THE MIDPOINT, AT INTERVALS OF 4m MAXIMUM, AND ALSO TO ISOLATE OBSTRUCTIONS FROM SIDEWALK, HYDRANTS, POLES, BUILDINGS, ETC.
3. EDGES AND JOINTS ARE TO BE FINISHED WITH A 75mm EDGING TOOL.
4. ALL CONCRETE SIDEWALKS ARE TO HAVE A BROOM FINISH UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
6. INSTALL DUMMY TRANSVERSE JOINTS AS REQUIRED SO THERE IS A MAXIMUM SPACING OF 2m BETWEEN ALL JOINTS.
7. SMOOTH ALL TOOLED EDGES TO A MINIMUM DEPTH OF 1mm.

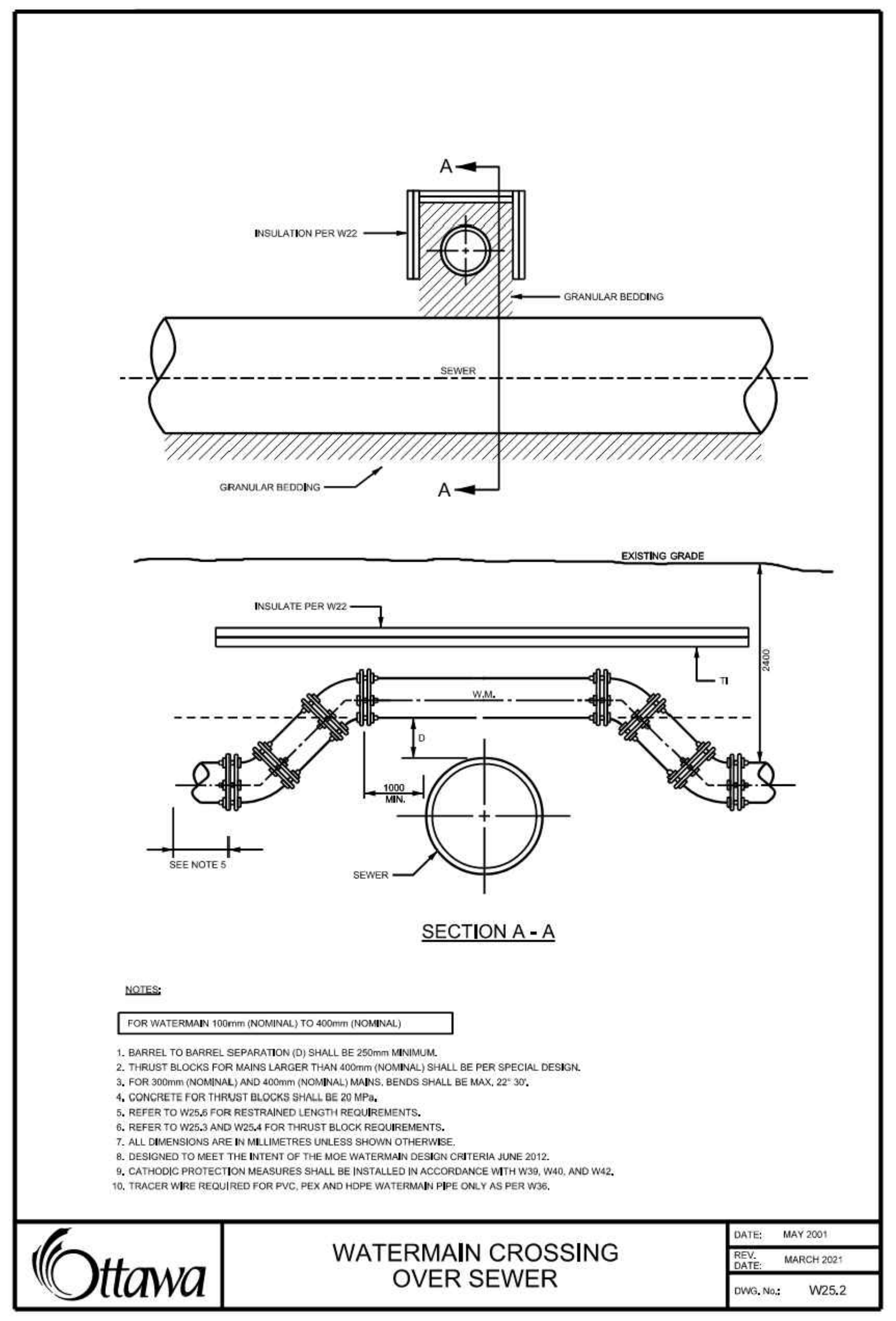
Ottawa — SIDEWALK CONSTRUCTION JOINTS — DATE: MAY 2001 — REV. DATE: MARCH 2016 — DWG. No.: SC5



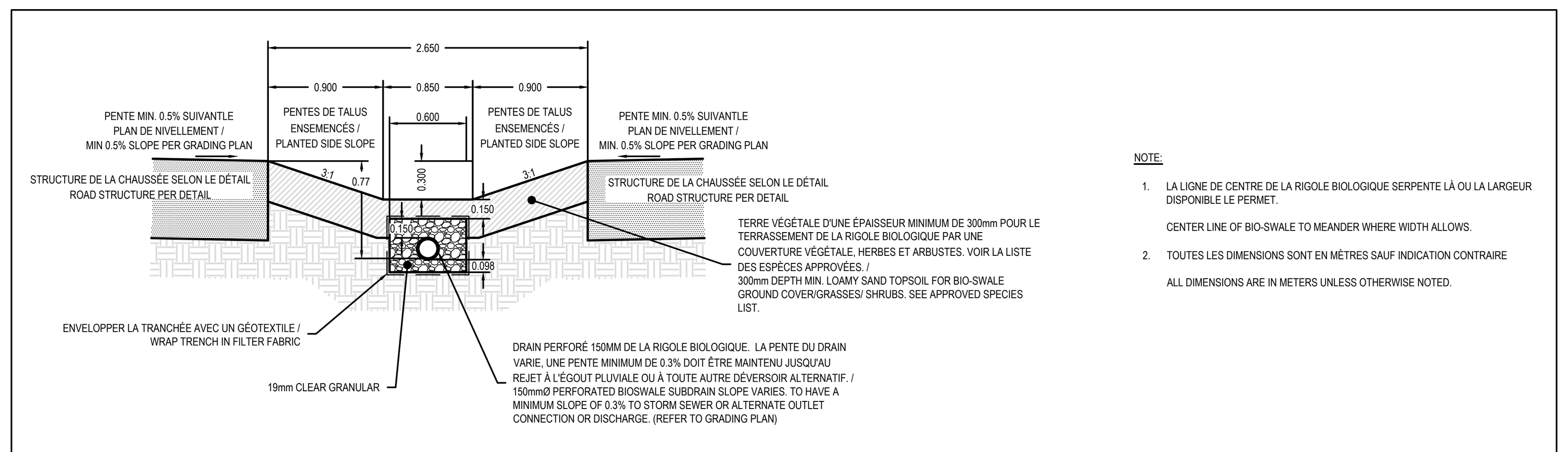
SIZE mm	ANODE TYPE	WEIGHT (Kg)
19 TO 50 COPPER SERVICE	Z-12-24	5.4
19 TO 50 MUNICIPEX SERVICE	Z-12-24	2.7
RESTRAINED PIPE JOINTS	Z-12-48	10.9
100 TO 300 DI SERVICE	Z-24-48	10.9
100 TO 300 FITTINGS / VALVES	Z-12-24	2.7
400 TO 600 FITTINGS / VALVES	Z-24-48	10.9
HYDRANT ASSEMBLY	Z-24-48	10.9

NOTE:
1. 'A' DENOTES ANODE LOCATION
2. NO SADDLE INDICATES A DIRECT TAP

Jp2g Consultants Inc. — ENGINEERS · PLANNERS · PROJECT MANAGERS
TYPICAL ANODE INSTALLATION PVC WATERMAIN — W-3



Ottawa — WATERMAIN CROSSING OVER SEWER — W25.2

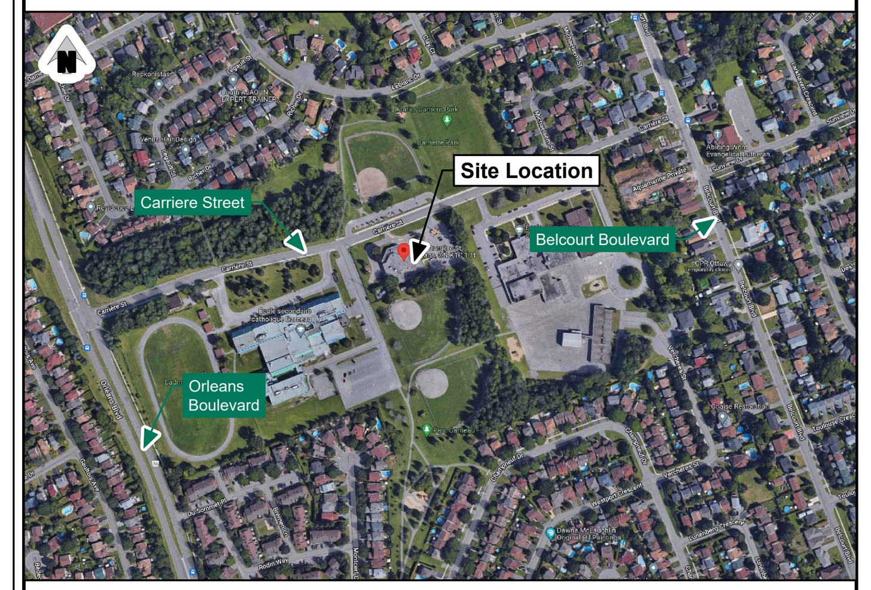


NOTE:
1. LA LIGNE DE CENTRE DE LA RIGOLE BIOLOGIQUE SERPENTE LÀ OU LA LARGEUR DISPONIBLE LE PERMET. / CENTER LINE OF BIO-SWALE TO MEANDER WHERE WIDTH ALLOWS.
2. TOUTES LES DIMENSIONS SONT EN MÈTRES SAUF INDICATION CONTRAIRE / ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

9 / C4 **DÉTAIL DE RIGOLE BIOLOGIQUE / NEW BIO-SWALE DETAIL**
Scale: **1:50**

CROSSING TABLE

LOCATION	OVER / UNDER	T/G	INVERT	OBVERT	CLEARANCE (m)
1	NEW STORM - NEW WATERMAIN	86.26	84.36 (STORM)	83.86 (WM)	0.50
2	NEW SANITARY - NEW STORM SEWER	86.38	83.96 (SAN)	83.54 (STORM)	0.42
3	NEW WATERMAIN - NEW STORM SEWER	86.50	84.33 (WM)	83.83 (STORM)	0.50



No.	YYYY-MM-DD	Eng./Drft.	Revision Comments
15	2025-08-08	DN / WV	ISSUED FOR PERMIT
14	2025-07-29	DN / WV	SOUMISSION POUR CONTROL DU SITE R5 / ISSUED FOR CIVIL CCN#1 REV. 1
13	2025-06-19	DN / WV	ISSUED FOR CIVIL CCN#1
12	2025-06-10	DN / WV	SOUMISSION POUR CONTROL DU SITE R4
11	2025-05-16	DN / WV	SOUMISSION POUR CONTROL DU SITE R3
10	2025-04-10	DN / LA	ISSUED FOR CONSTRUCTION - SI #001
9	2025-03-25	DN / WV	SOUMISSION POUR CONTROL DU SITE R2
8	2025-01-13	DN / ZB	ISSUED FOR TENDER
7	2024-12-20	DN / ZB	100% SOUMISSION R2
6	2022-12-09	DN / ZB	SOUMISSION POUR CONTROL DU SITE
5	2022-10-28	DN / DS	100% SOUMISSION R1
4	2022-09-30	DN / DS	100% SOUMISSION
3	2022-09-02	DN / DS	99% SOUMISSION
2	2022-06-17	DN / DS	60% SOUMISSION
1	2022-03-04	DN / RW	PRÉLIMINAIRE 30%

MIFO
6600 CARRIÈRE STREET, OTTAWA, ONTARIO
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GENERAL NOTES AND DETAILS II

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Designed : **WV**	Project No. : **21-5089A**
Drafted : **WV**	Revision Date : **2025-07-25**
Checked : **DN** / Approved : **DN**	Revision No. : **14**
Scale : **1:250**	**21-5089A**

C4

C1 MIFO SITE PLAN V24.DWG

D07-12-25-0040

Folder: J:\5-Civil\2021\21-5089A - Provenchere_Roy - MIFO New Building Construction\05 Drawings\1 Ongoing | Drawing: C1 MIFO site plan v24.dwg | Layout: C4 Details II | Print date: 12:32 PM August 7, 2025

PLAN NO. 19319