

GENERAL NOTES:

- 1. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
2. DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
4. BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE COPY OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00.

SEWER NOTES:

- 1. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS - ALL CURRENT VERSIONS AND AS AMENDED.
2. SPECIFICATIONS:
ITEM CATCHBASIN (600x600mm)
SPEC. No. 701.010
REFERENCE OPSD

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 BODY.
2. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
3. EROSION AND SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED DURING CONSTRUCTION IN ACCORDANCE WITH THE 'GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES' (GOVERNMENT OF ONTARIO, MAY 1987).

WATERMAIN NOTES:

- 1. SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS - ALL CURRENT VERSIONS AND AS AMENDED.
2. WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
3. PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS, WHERE POSSIBLE UNLESS OTHERWISE INDICATED.

Table with 7 columns: ESD Measure, Symbol, Specification, Installation Responsibility, Inspection/Verification, Approval to Remove, Removal Responsibility. Rows include Silt Fence, Filter Bags, Mud Mat, Dust Control, Stabilized Material Stockpiling, Sediment Basins.

CRITICAL SEWER PIPE CROSSING TABLE. Columns: CROSSING, LOWER PIPE, HIGHER PIPE, CLEARANCE, SURFACE ELEVATION. Rows include 375mm STM OBV-60.03, 300mm STM OBV-60.80, 105mm STM OBV-61.05, 250mm SAN OBV-60.95, 105mm STM OBV-63.45.

PROPOSED 250mmØ WATERMAIN TABLE - EAST / WEST SITE LOOP

Table with 5 columns: STATION, SURFACE ELEVATION, TWMM ELEVATION, COMMENTS. Rows include 4+000, 4+002.8, 4+005.4, 4+006.7, 4+008.0, 4+010.4, 4+018.0, 4+020.0, 4+020.8, 4+021.8, 4+022.1, 4+023.1, 4+028.2, 4+050, 4+075, 4+095.8, 4+097.1, 4+098.3, 4+118.5, 4+121.0, 4+125, 4+129, 4+136.6, 4+140.8, 4+150, 4+164.1, 4+165.5, 4+166.9, 4+168.5, 4+169.9, 4+171.4, 4+172.6, 4+173.9, 4+175.5, 4+197.2, 4+199.8, 4+203.3, 4+204.8, 4+212.5, 4+214.0, 4+225, 4+239.5, 4+242.5, 4+252.0, 4+254.1, 4+255.4, 4+256.6, 4+262.6, 4+268.6, 4+275, 4+300, 4+305.7, 4+308.7, 4+313.3, 4+317.5, 4+319.5, 4+323.8, 4+325.3, 4+326.1, 4+328.6.

PROPOSED 250mmØ WATERMAIN TABLE - NORTH / SOUTH SITE LOOP

Table with 5 columns: STATION, SURFACE ELEVATION, TWMM ELEVATION, COMMENTS. Rows include 5+000, 5+001.0, 5+002.5, 5+004.5, 5+005.6, 5+008.0, 5+011.0, 5+025, 5+040.4, 5+048.3, 5+049.3, 5+049.7, 5+050.6, 5+051.4, 5+052.9, 5+054.3, 5+062.3, 5+075, 5+078.8, 5+091.9, 5+093.2, 5+094.4, 5+098.0, 5+100.0, 5+102.5.

INLET CONTROL DEVICE DATA TABLE: AREA A-2.1 (TANK 1)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-2.2 (TANK 2)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-2.3 (TANK 3)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-3.1 (TANK 4)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-3.2 (TANK 5)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-4 (TANK 6 & 7)

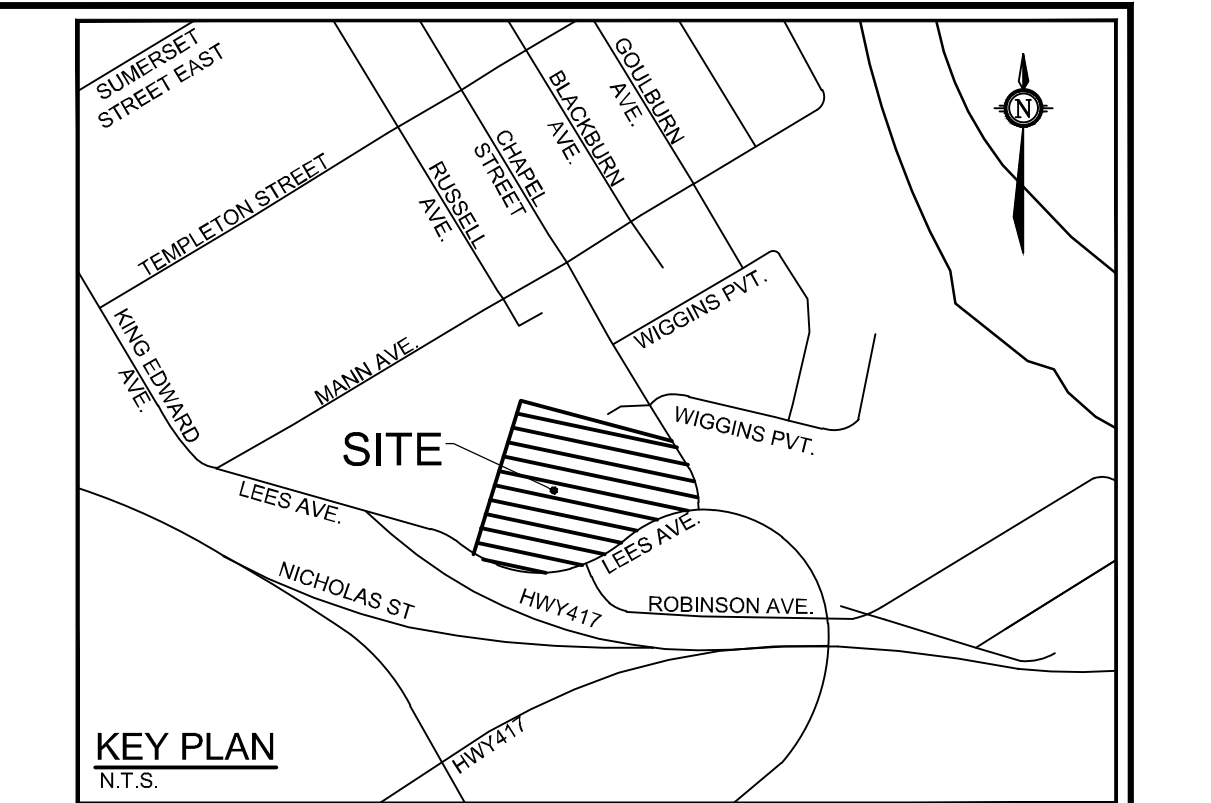
Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.

INLET CONTROL DEVICE DATA TABLE: AREA A-5 (STM MH 08)

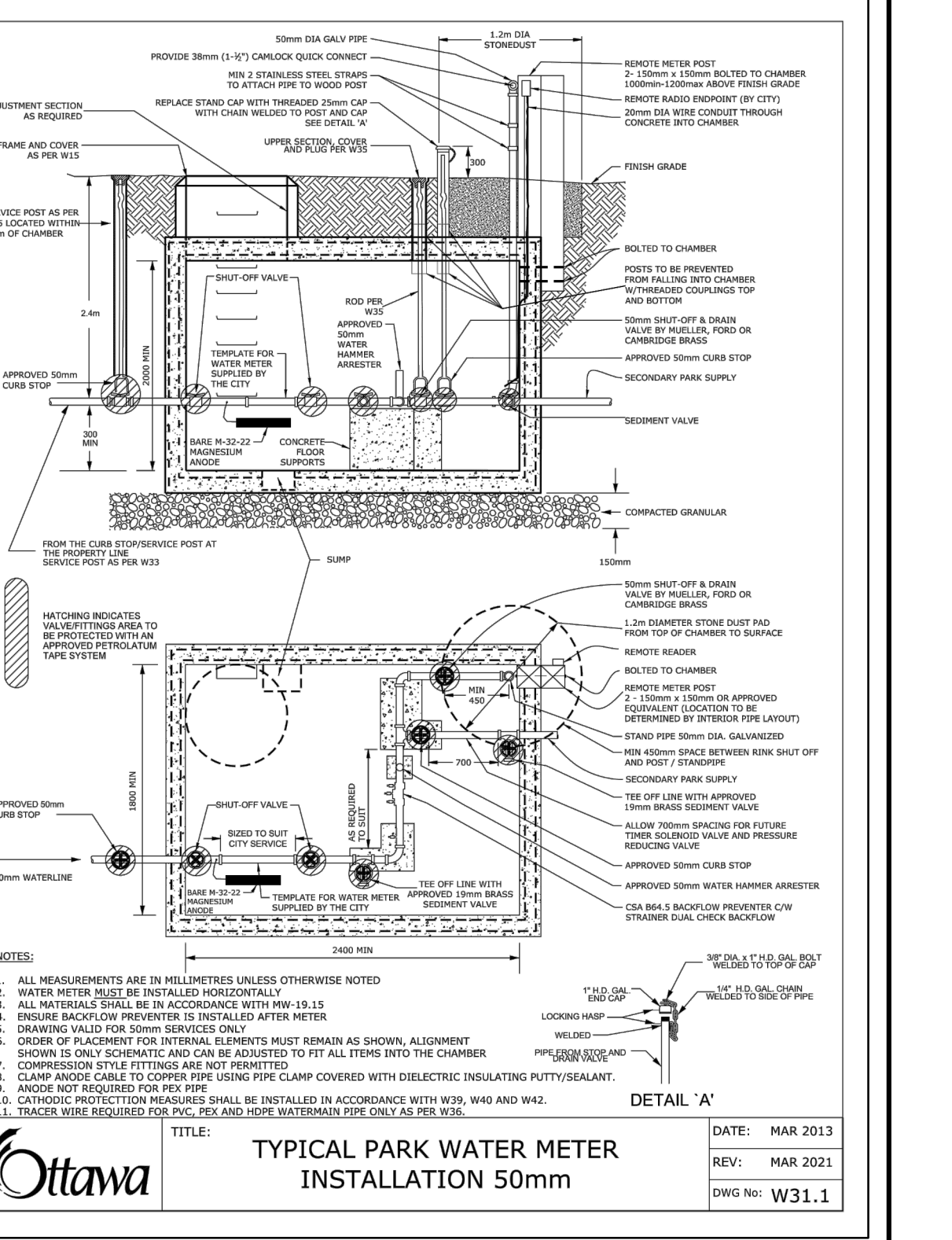
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INLET CONTROL DEVICE DATA TABLE: AREA A-6 (CBMH 05)

Table with 8 columns: DESIGN EVENT, ICD TYPE (PLUG TYPE), DIAMETER OF OUTLET PIPE (mm), PEAK DESIGN FLOW (L/s), 1 PEAK DESIGN FLOW (L/s), DESIGN HEAD (m), WATER ELEVATION (m), VOLUME (m³), AVAILABLE STORAGE. Rows for 1.2 YR, 1.5 YR, 1:100 YR.



BENCHMARK INFO:
CITY OF OTTAWA MONUMENT NO. 2011-0127 LOCATED NEAR THE SOUTH-WEST CORNER OF THE INTERSECTION OF LEES AVENUE AND ROBINSON AVENUE.
GEODETIC ELEVATION = 63.850m.
ALL ELEVATIONS ARE REFERRED TO THE CGVD25 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. 3053 HAVING AN ELEVATION OF 76.599 METRES.

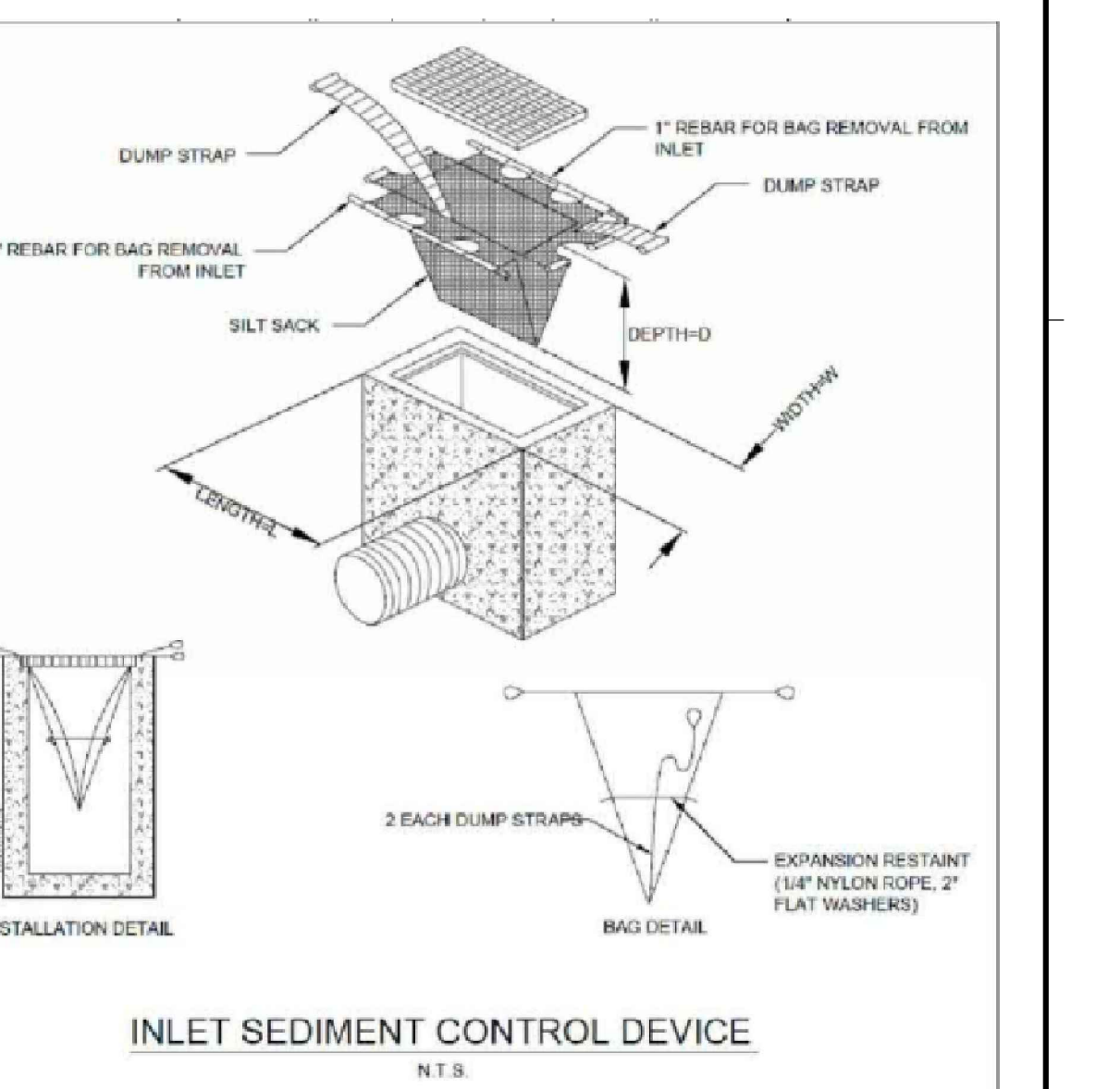
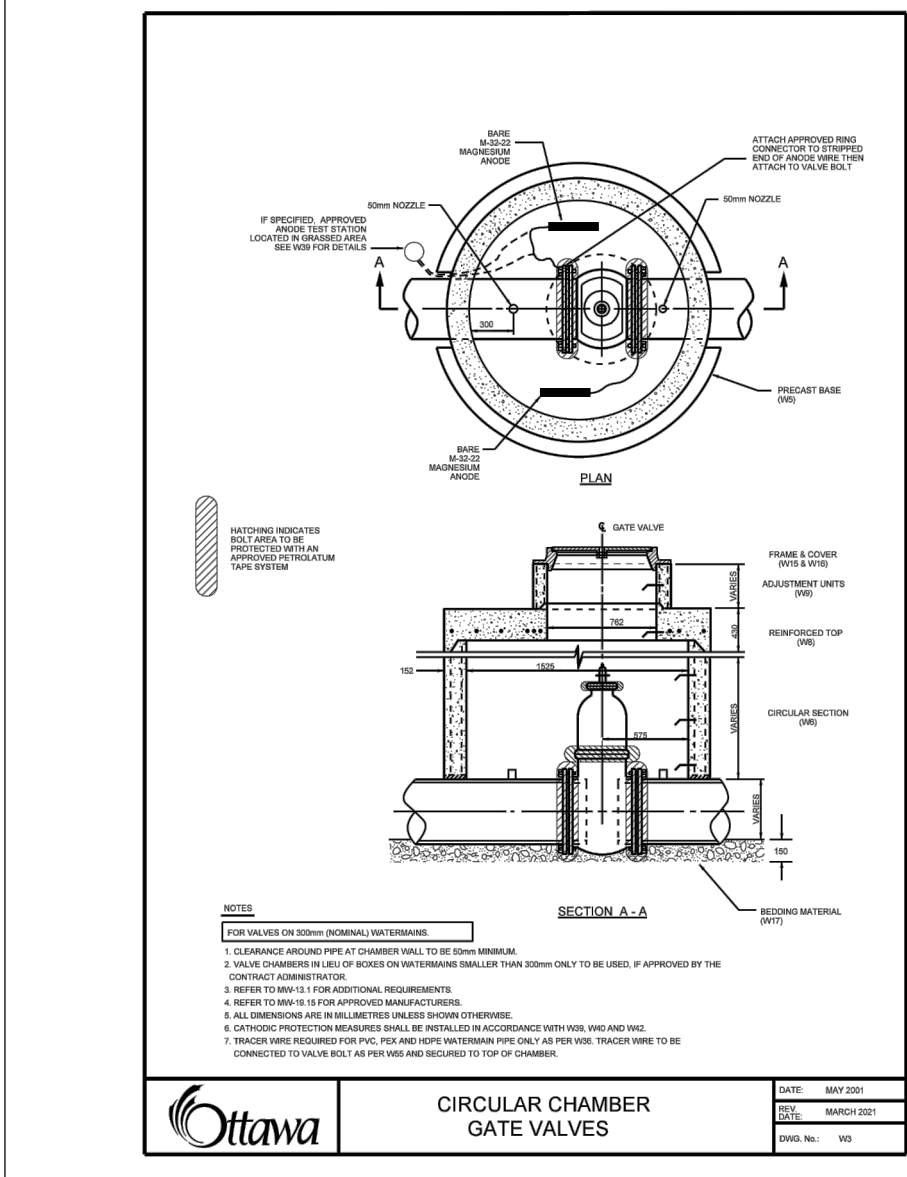
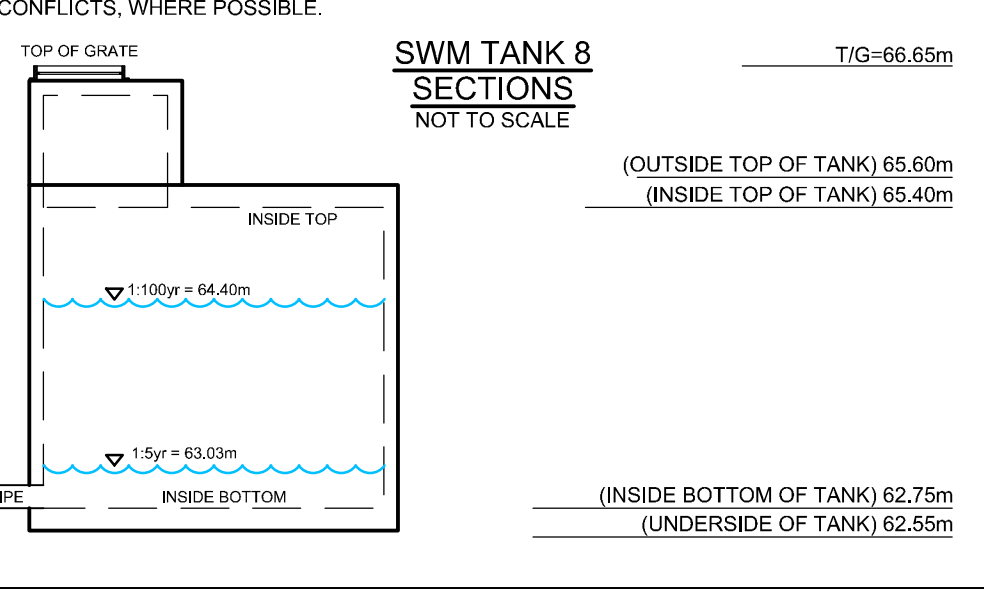
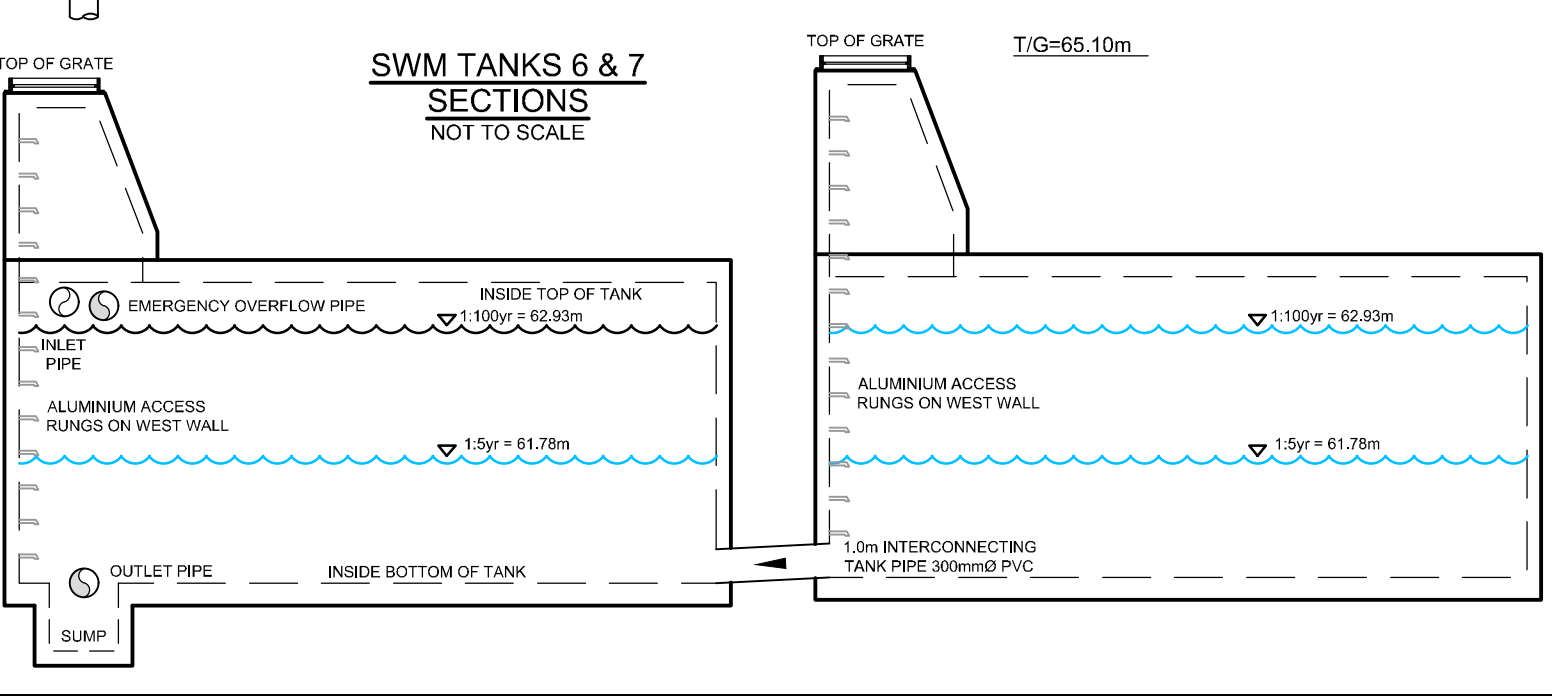
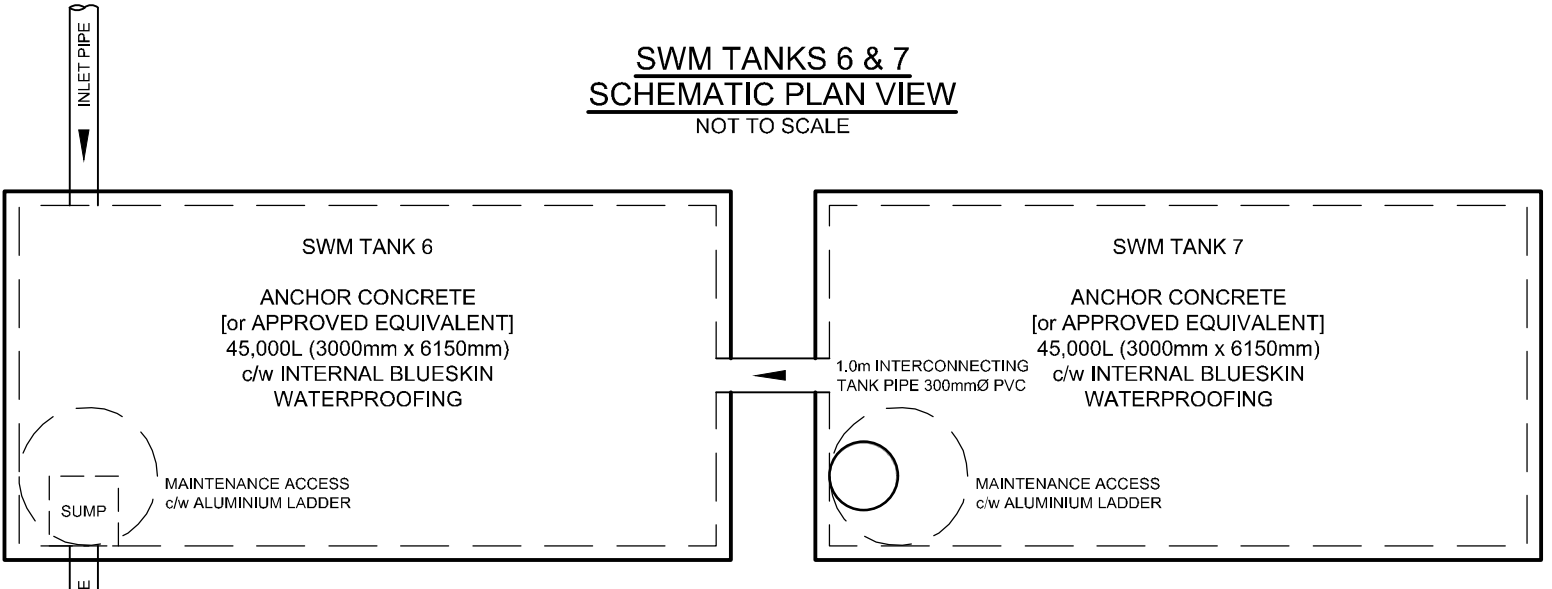


GRADING NOTES:

- 1. ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
2. EXPOSED SUBGRADES IN PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULAR.
3. ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

PAVEMENT STRUCTURES:

- LIGHT DUTY PAVEMENT
50mm HL-2 or SUPERPAVE 12.5
150mm GRANULAR 'A'
300mm GRANULAR 'B' TYPE II
ASPHALT GRADE PG 58-4 - TRAFFIC LEVEL 'B'
HEAVY DUTY PAVEMENT
40mm HL-3 or SUPERPAVE 12.5
50mm HL-3 or SUPERPAVE 19.0
150mm GRANULAR 'A'
450mm GRANULAR 'B' TYPE I
ASPHALT GRADE PG 58-4 - TRAFFIC LEVEL 'B'
HEAVY DUTY PAVEMENT - ROADWAY RE-INSTATEMENT
MATCH EXISTING GRANULAR STRUCTURE OF ROADWAY IN TRENCHES
MATCH EXISTING ASPHALT THICKNESSES IN TRENCHES
NEW ASPHALT GRADE PG 58-4



NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND 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.

OWNER INFORMATION
3 ROBINSON AVENUE LIMITED PARTNERSHIP
88 ALBERT STREET
OTTAWA, ONTARIO, K1P 5E9
CONTACT: MR. KIERAN WAUGH
PHONE: (416) 903-1377
EMAIL: k.waugh@placodeor.com

Table with 4 columns: No., REVISION, DATE, BY. Rows include 1 ISSUED FOR SITE PLAN APPROVAL, 2 REVISED PER CITY COMMENTS / UPDATED SITE PLAN, 3 RE-ISSUED FOR SITE PLAN APPROVAL, 4 RE-ISSUED FOR SITE PLAN APPROVAL, 5 RE-ISSUED FOR SITE PLAN APPROVAL.

FOR REVIEW ONLY. Includes professional engineer stamp for F.S. Thauvette, License No. 100041599, dated MAR 1, 2023.

LOCATION: CITY OF OTTAWA, 320 LEES AVENUE (2 ROBINSON AVENUE). DRAWING NAME: CIVIL NOTES, DETAILS & TABLES. PROJECT No. 119171, REV # 5, DRAWING No. 119171-NDT.

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