

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 PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00.

SEWER NOTES:

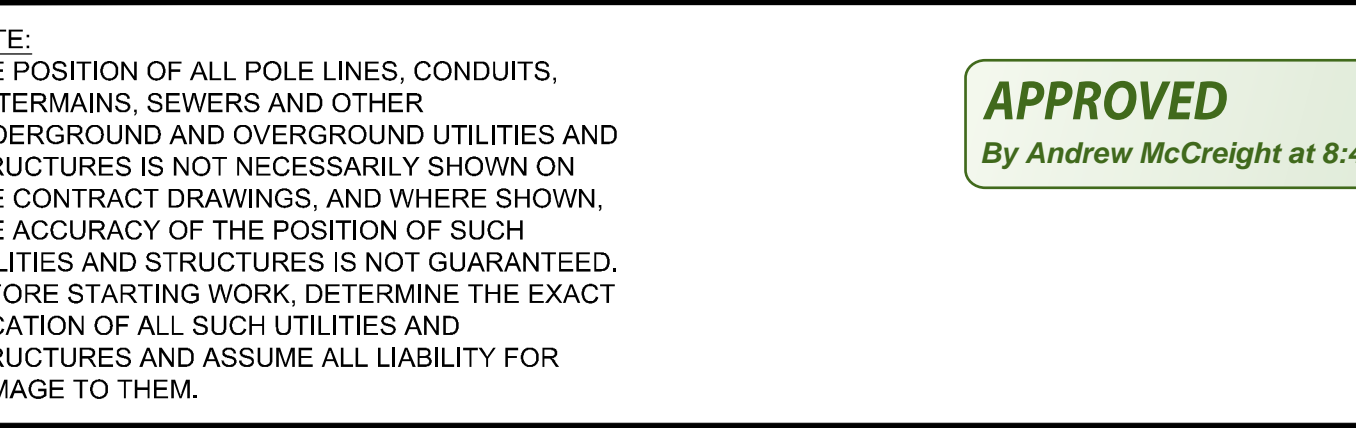
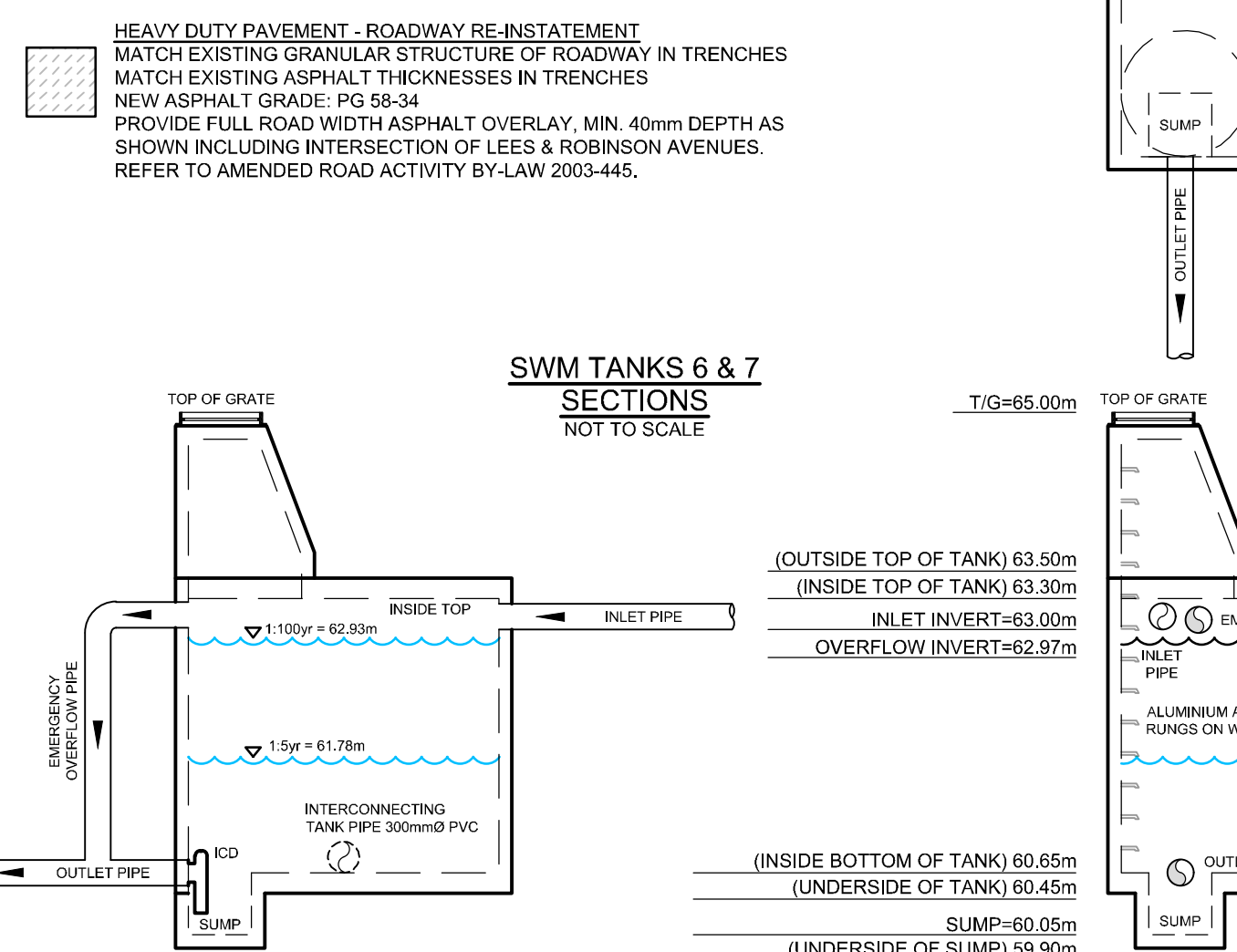
- 1. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS - ALL CURRENT VERSIONS AND AS AMENDED.
2. SPECIFICATIONS:
ITEM CATCHBASIN (600x600mm) SPEC. NO. QPSD 701.010 REFERENCE QPSD
ITEM STORM / CATCHBASIN MANHOLE (1800mm) SPEC. NO. 701.012 REFERENCE QPSD
ITEM CB FRAME & COVER SPEC. NO. 400.020 REFERENCE QPSD
ITEM STORM / SANITARY MH FRAME & COVER SPEC. NO. 401.010 REFERENCE QPSD
ITEM WATERIGHT MH FRAME AND COVER SPEC. NO. 401.030 REFERENCE QPSD
ITEM SEWER TRENCH SPEC. NO. 58 REFERENCE CITY OF OTTAWA
ITEM SANITARY / STORM SEWER / CB LEAD SPEC. NO. PVC DR 35 REFERENCE CONCRETE 65-D
ITEM STORM SURFACE PIPE (1.0m DIAMETER AND OVER) SPEC. NO. CONCRETE 65-D REFERENCE CITY OF OTTAWA

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 GRANULARS.
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-3 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 II
ASPHALT GRADE PG 58-4 - TRAFFIC LEVEL 'B'
HEAVY DUTY PAVEMENT - ROADWAY RE-INSTATEMENT
MATCH EXISTING GRANULAR STRUCTURE OF ROADWAY IN TRENCHES
NEW ASPHALT GRADE PG 58-4



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 WATERBODIES FROM URBAN CONSTRUCTION ACTIVITIES THAT FAIL TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES...
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. WATERMANS SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
3. WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, WHERE POSSIBLE UNLESS OTHERWISE INDICATED.

Table with 7 columns: ESDC Measure, Symbol, Specification, Installation Responsibility, Inspection/Verification, Approval to Remove, Removal Responsibility. Rows include 3/4 Fence, Filter Bags, Mud Mat, Dust Control, Stabilized Material Stockpiling, Sediment Basins.

Table with 5 columns: CROSSING, LOWER PIPE, HIGHER PIPE, CLEARANCE, SURFACE ELEVATION. Lists various pipe crossings and their details.

PROPOSED 250mmØ WATERMAIN TABLE - EAST / WEST SITE LOOP

Main table listing stationing, surface elevation, TWM elevation, and comments for the proposed watermain table. Includes details like 'TEE CONNECTION TO NEW 300mmØ WATERMAIN EXTENSION' and 'CROSS BELOW EX. BELL DUCT (1.2m CLEARANCE)'.

CONNECTIONS TO EXISTING 150mmØ AND NEW 300mmØ WATERMANS. EXACT ELEVATIONS TO BE FIELD DETERMINED. PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAILS W22 IN SHALLOW TRENCHES WHERE COVER IS LESS THAN 2.4m AND/OR W23 ADJACENT TO OPEN STRUCTURES.

PROPOSED 250mmØ WATERMAIN TABLE - NORTH / SOUTH SITE LOOP

Main table listing stationing, surface elevation, TWM elevation, and comments for the proposed watermain table. Includes details like '250mmØ VALVE & VALVE BOX' and 'CROSS ABOVE 300mmØ STM (Ø=60.10m) (±1.75m CLEARANCE)'.

CONNECTIONS TO EXISTING 150mmØ AND NEW 300mmØ WATERMANS. EXACT ELEVATIONS TO BE FIELD DETERMINED. PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAILS W22 IN SHALLOW TRENCHES WHERE COVER IS LESS THAN 2.4m AND/OR W23 ADJACENT TO OPEN STRUCTURES.

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

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

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

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

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

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

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

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

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

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

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

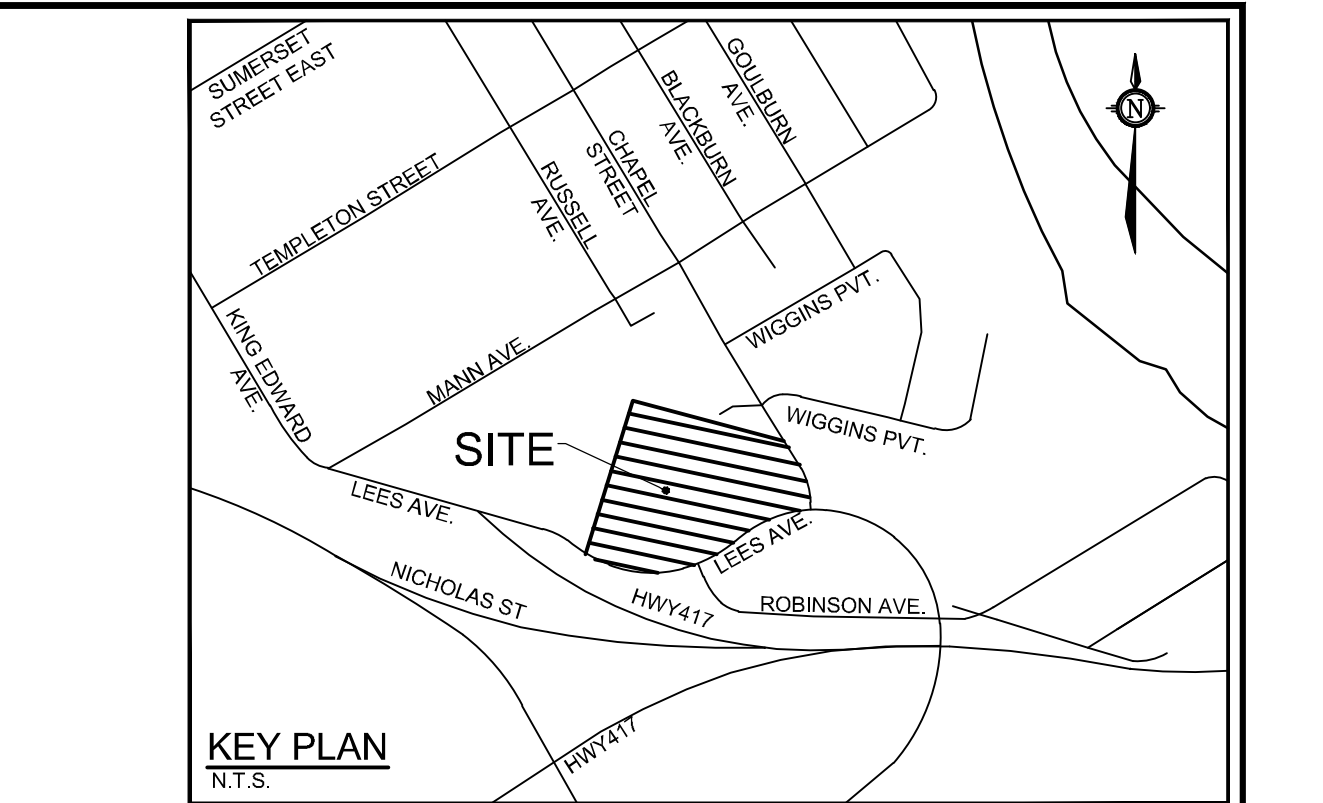
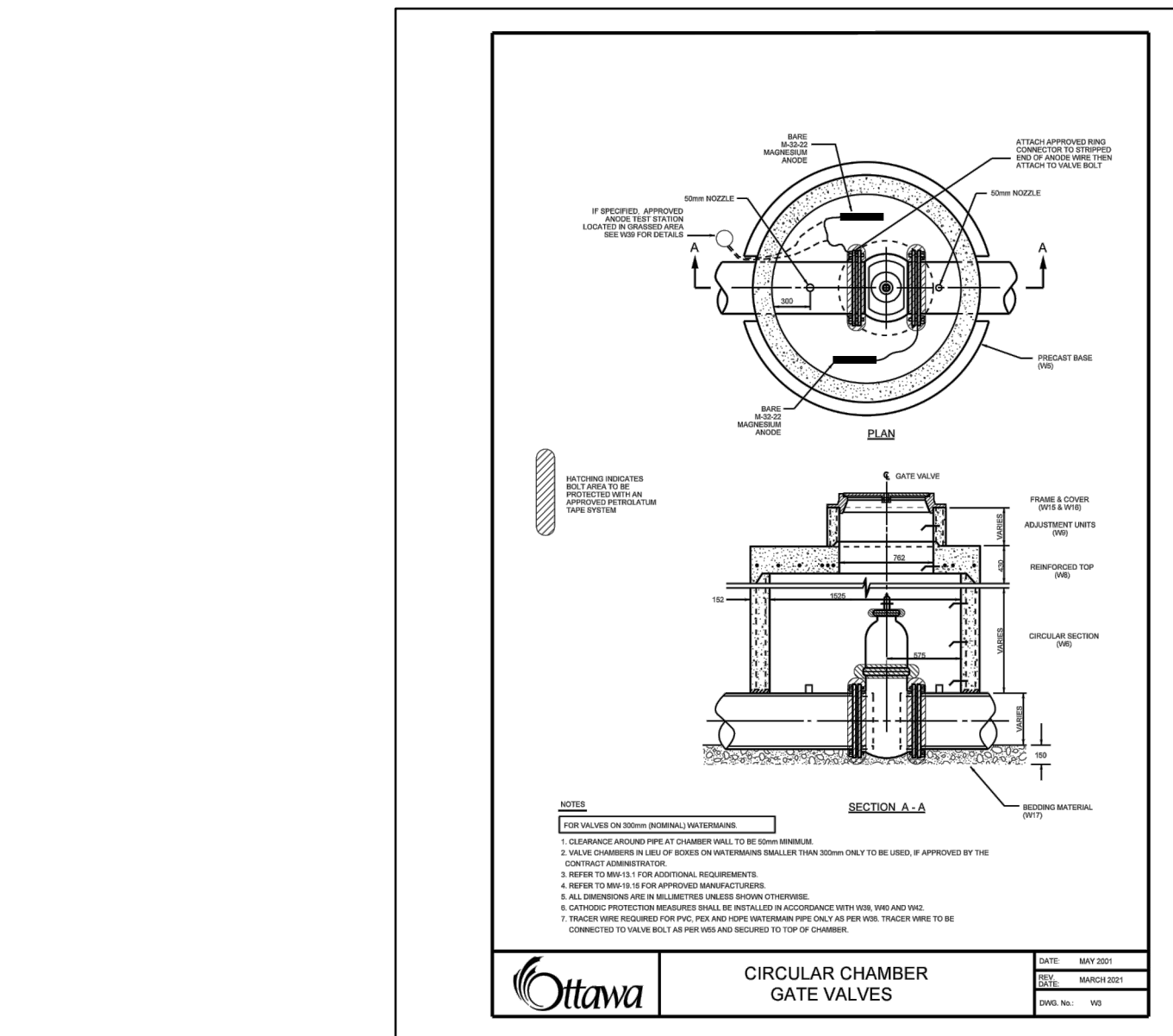
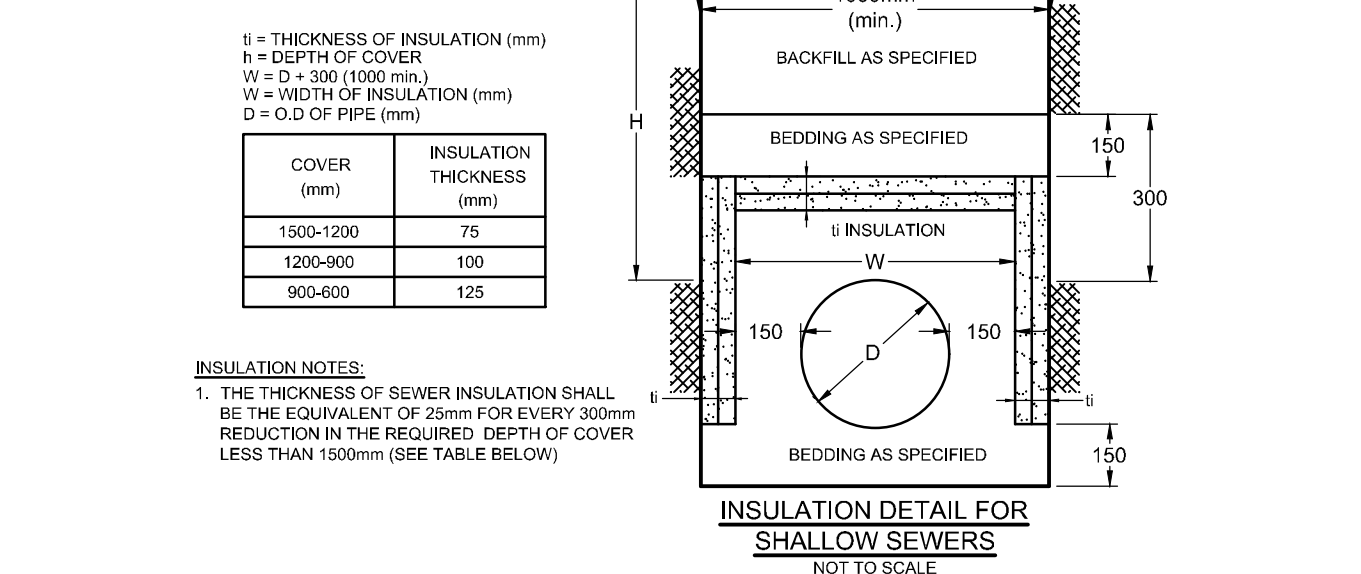
Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

INLET CONTROL DEVICE DATA TABLE: AREA A-5 (STM MH Ø8)

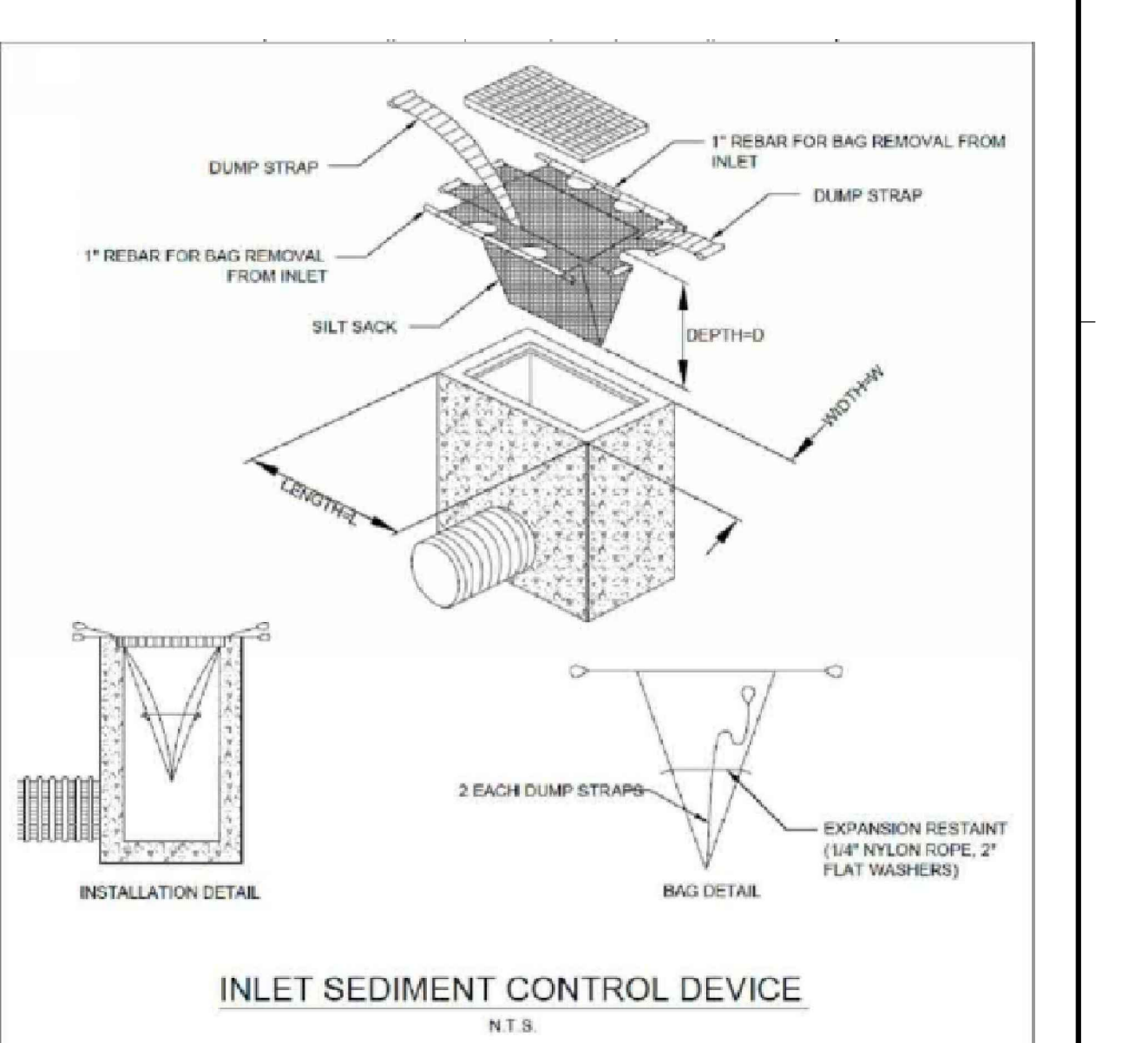
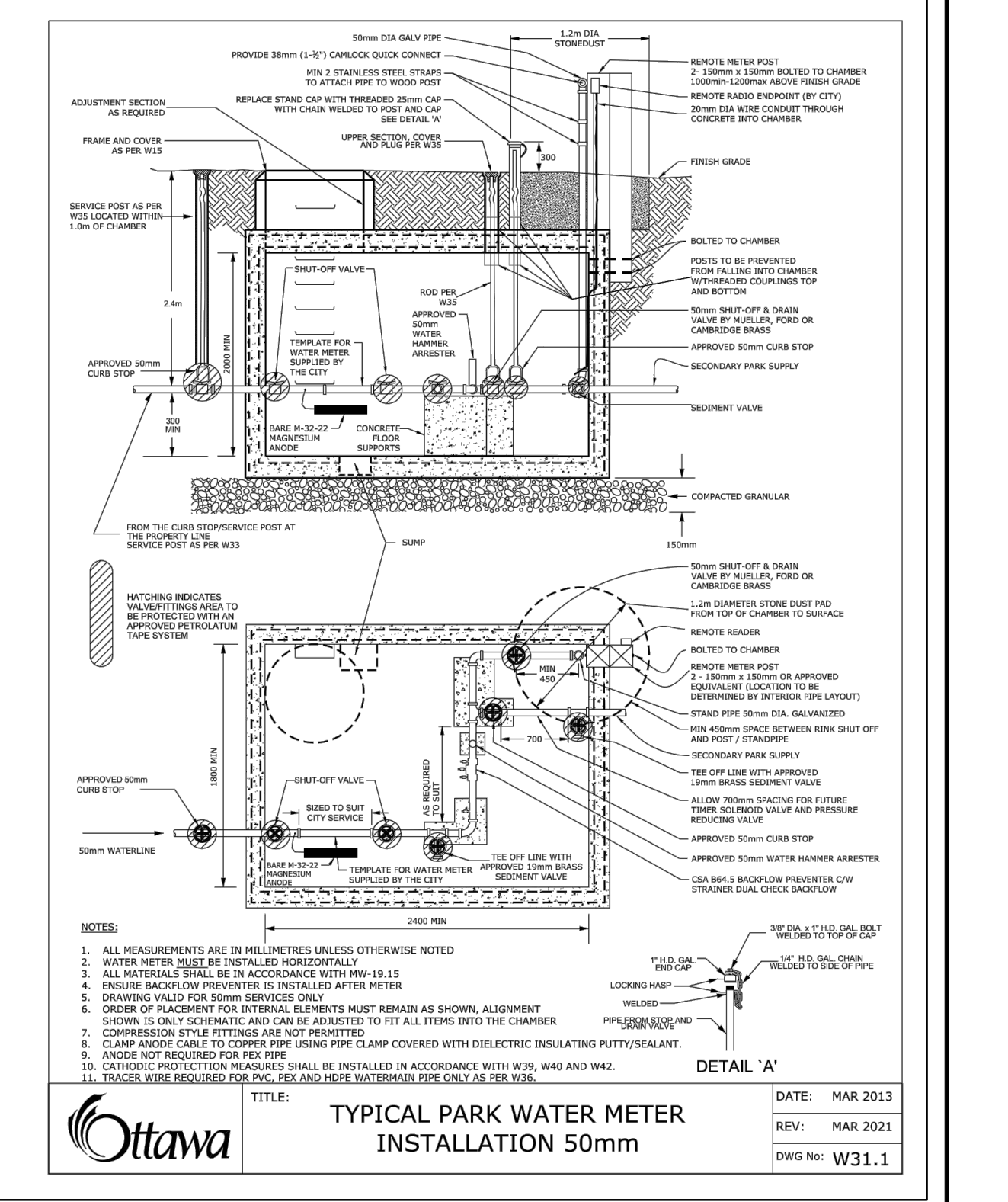
Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.

INLET CONTROL DEVICE DATA TABLE: AREA A-6 (CBMH Ø5)

Table with 10 columns: DESIGN EVENT, ICD TYPE, DIAMETER OF OUTLET PIPE, PEAK DESIGN FLOW, 1/2 PEAK DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME, AVAILABLE STORAGE. Shows data for 1.2 YR, 1.5 YR, and 1:100 YR events.



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



ALL PROJECT NOTES, DETAILS AND SPECIFICATIONS ARE TO MEET THE MOST CURRENT AND AMENDED VERSIONS OF THE CITY OF OTTAWA AND PROVINCIAL STANDARDS.
THIS PLAN IS TO BE READ IN CONJUNCTION WITH CIVIL PLANS 119171-GP, 119171-GR, 119171-PR1 AND 119171-PR2.

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

APPROVED By Andrew McCreight at 8:41 am, Jun 14, 2024. ANDREW MCCREIGHT MANAGER, DEVELOPMENT REVIEW CENTRAL PLANNING, DEVELOPMENT & BUILDING SERVICES DEVELOPMENT DEPARTMENT, CITY OF OTTAWA.

OWNER INFORMATION 2 ROBINSON AVENUE LIMITED PARTNERSHIP 88 ALBERT STREET OTTAWA, ONTARIO, K1P 5E9 CONTACT: MR. KIERAN WAUGH PHONE: (416) 903-1377 EMAIL: k.waugh@placereore.com

FOR REVIEW ONLY. SCALE: NOT TO SCALE. PERSON: CHECKED SM, DRAWN FST, CHECKED SM, APPROVED FST, APPROVED FST.

NOVATECH Engineers, Planners & Landscape Architects Suite 200, 240 Michael Cowpland Drive Ottawa, Ontario, Canada K2M 1P6. PROJECT NO: 119171 REV: REV #6 DRAWING NO: CIVIL NOTES, DETAILS & TABLES DATE: MAR 2013 REV: MAR 2021 DWG NO: W31.1