

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.

GRADING NOTES:

- 1. ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED BUILDING PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
2. EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
2. EROSION AND SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED DURING CONSTRUCTION IN ACCORDANCE WITH THE 'GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES'.
3. TO PREVENT SURFACE EROSION FROM ENTERING ANY STORM SEWER SYSTEM DURING CONSTRUCTION, FILTER CLOTH WILL BE PLACED UNDER GRATES OF NEARBY CATCHBASINS AND STRUCTURES.

PAVEMENT STRUCTURES:

- LIGHT DUTY (NEW PAVEMENT)
50mm HL 3 or SUPERPAVE 12.5
150mm GRANULAR 'A'
300mm GRANULAR 'B' TYPE II
ASPHALT GRADE PG 58-34

Erosion and Sediment Control Responsibilities:

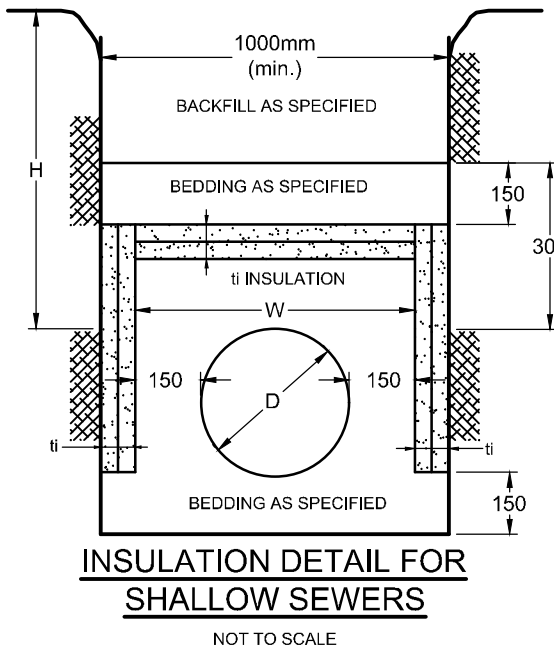
Table with columns: ESC Measure, Symbol, Specification, Installation Responsibility, Inspection Responsibility, Approval to Remove, Removal Responsibility, Inspection Responsibility.

BENCHMARK INFO:

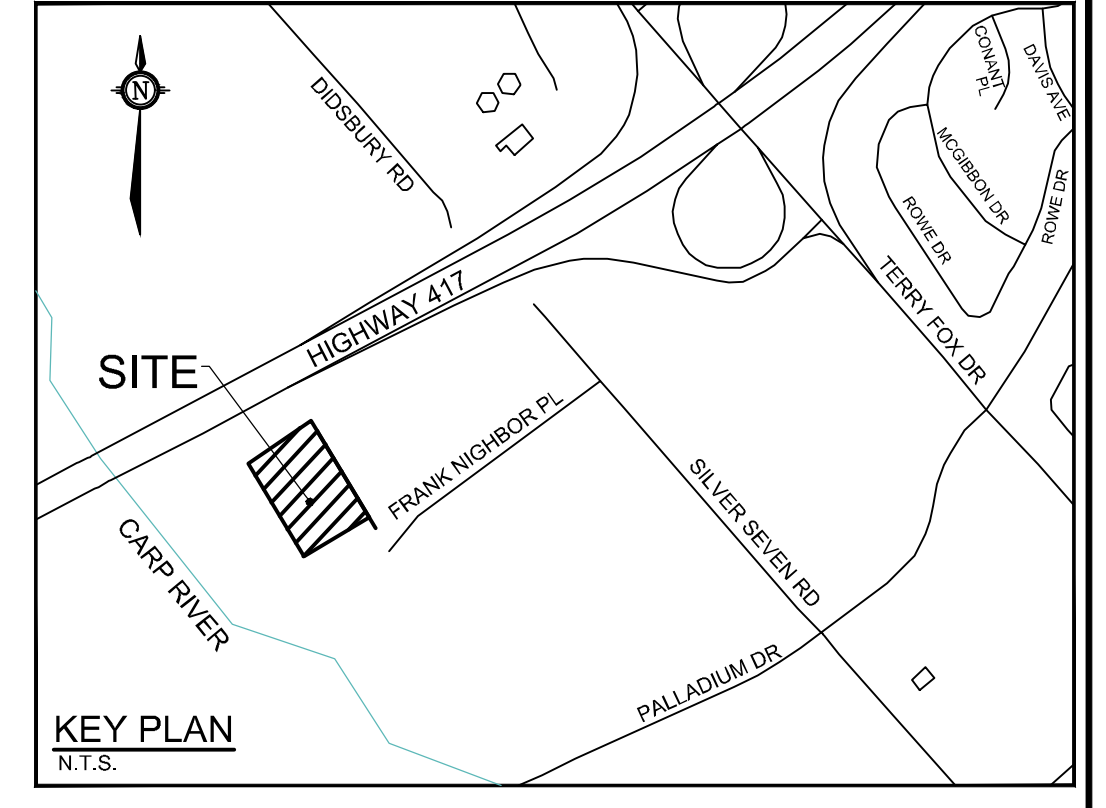
CUT CROSS LOCATED ON THE TOP OF THE EXISTING CONCRETE HEADWALL NEAR THE WEST LIMIT OF THE MUNICIPAL STORM SEWER OUTFALL TO THE CARP RIVER.
ALL ELEVATIONS ARE REFERRED TO THE CGVD28.78 GEODETIC DATUM, DERIVED FROM VERTICAL CONTROL MONUMENT NO. 00119883075 HAVING A PUBLISHED ELEVATION OF 90.612 METRES.

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 SPEC. No. REFERENCE
CATCHBASIN (600x600mm) 705.010 OPSD
STORM/ SANITARY MANHOLE (1200mmØ) 701.010 OPSD



INSULATION NOTES table with columns: COVER (mm), INSULATION THICKNESS (mm).



PROPOSED 200mmØ / 150mmØ WATERMAIN TABLE

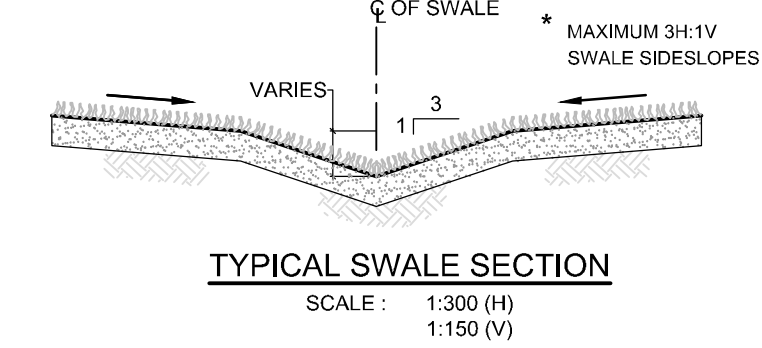
Table with columns: STATION, SURFACE ELEVATION, TMM ELEVATION, COMMENTS. Lists stationing from 0+000 to 2+039.1 with corresponding elevations and comments.

CRITICAL SEWER PIPE CROSSING TABLE

Table with columns: CROSSING, LOWER PIPE, HIGHER PIPE, CLEARANCE, SURFACE ELEVATION. Lists crossings for 300mmØ, 450mmØ, 200mmØ, and 150mmØ pipes.

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. SPECIFICATIONS:
ITEM SPEC. No. REFERENCE
WATERMAIN TRENCHING W17 CITY OF OTTAWA
HYDRANT INSTALLATION W19 CITY OF OTTAWA



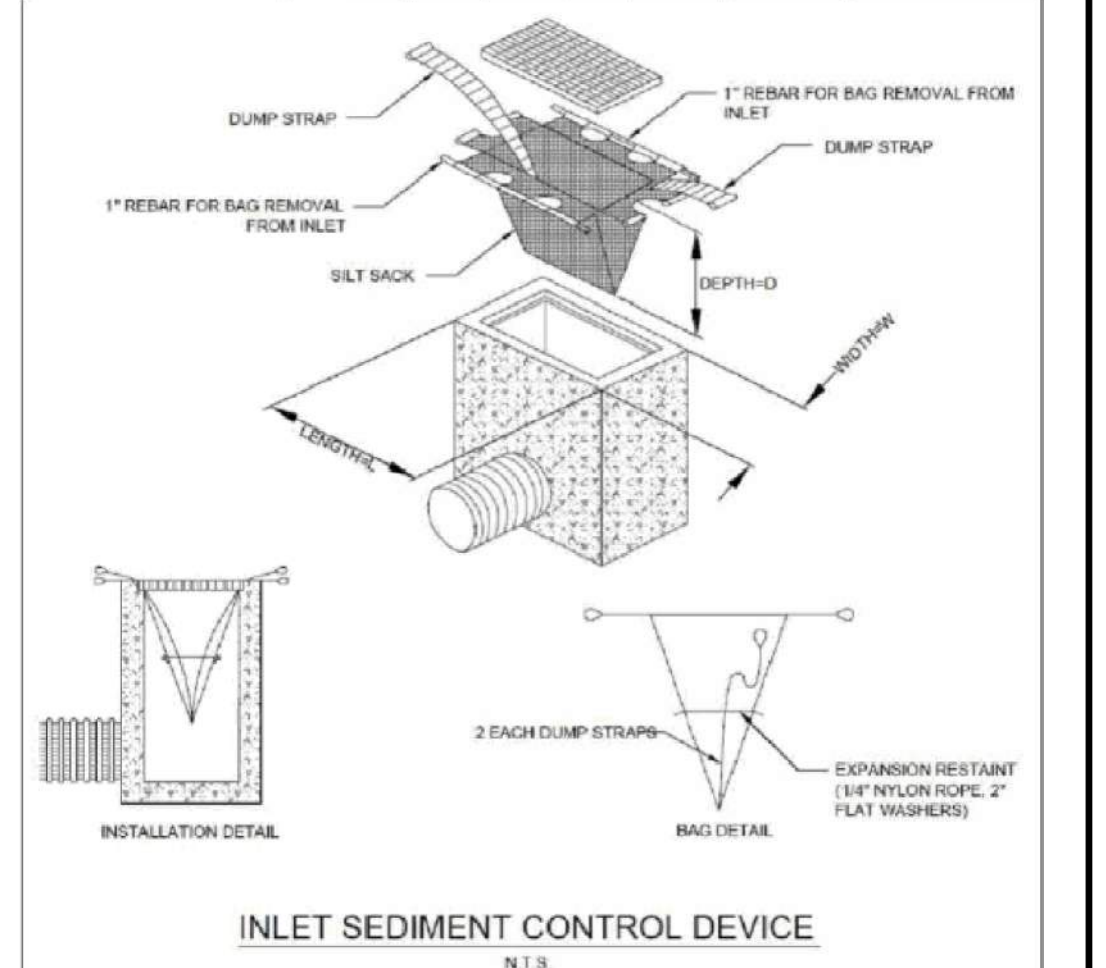
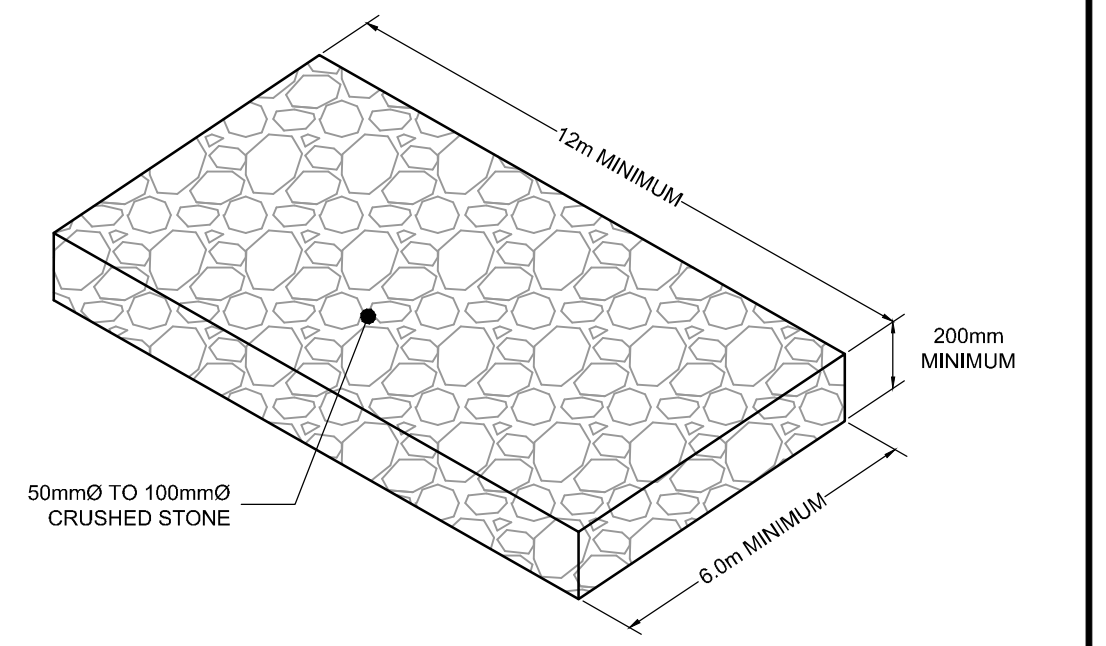
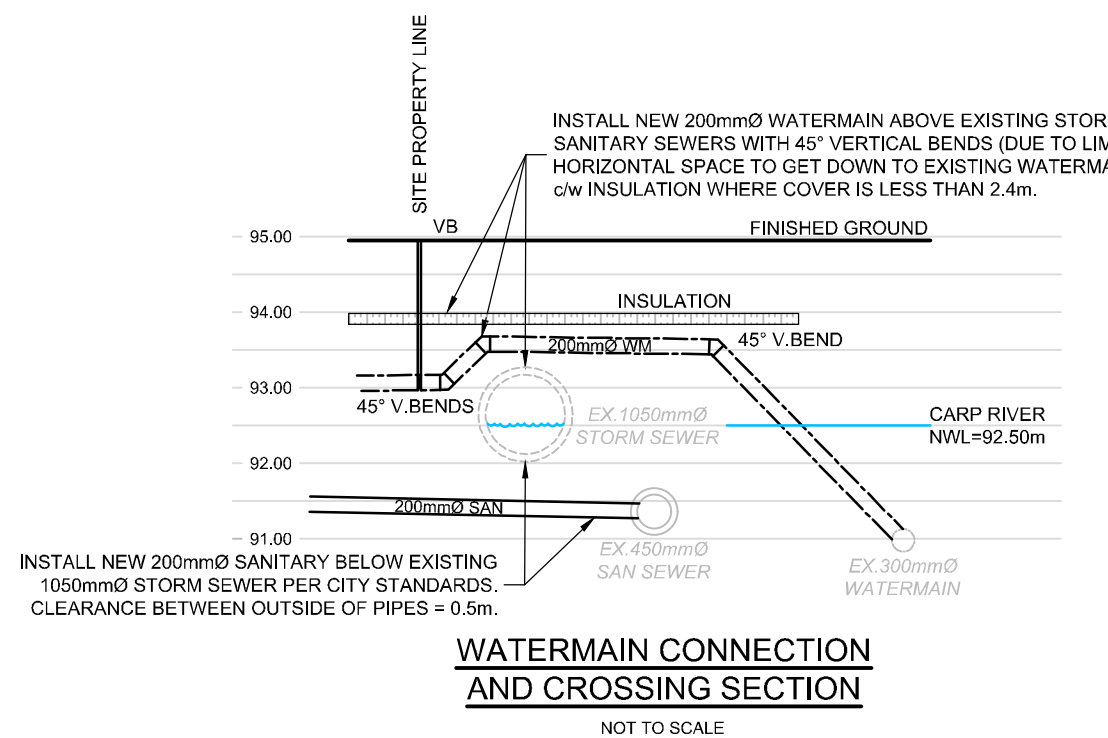
U-HAUL SITE FLOWS & STORMWATER MANAGEMENT TABLE with columns: DESIGN EVENT, UNCONTROLLED FLOW, ALLOWABLE RELEASE RATE, DIRECT RUNOFF, A-1 to A-19 FLOW, R-1 FLOW, TOTAL FLOW, REDUCTION IN FLOW.

AREA A-1 to A-19: RESTRICTOR PIPE DATA - CBMH 101

Table with columns: DESIGN EVENT, DIAMETER OF RESTRICTOR PIPE, DIAMETER OF OUTLET PIPE, DESIGN FLOW, DESIGN HEAD, WATER ELEVATION, VOLUME.

AREA R-1: ICD TABLE - CB 08

Table with columns: DESIGN EVENT, TYPE OF ICD, DIAMETER OF OUTLET PIPE, DESIGN FLOW, DESIGN HEAD, WATER DEPTH, VOLUME.



THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GRADING AND SERVICING DESIGN DRAWINGS

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.

OWNER INFORMATION
U-HAUL CANADA
3636 INNES ROAD
OTTAWA, ONTARIO, K1C 1T1
DAVID POLLOCK
PHONE: 1-602-263-6555
david.pollock@uhaul.com

Scale and revision table with columns: No., REVISION, DATE, BY.

Scale table with columns: DESIGN, CHECKED, DRAWN, CHECKED, APPROVED.

FOR REVIEW ONLY section containing professional engineer seal for F.S. THALIVETTE and other review information.

NOVATECH logo and contact information: Engineers, Planners & Landscape Architects, Suite 200, 240 Michael Cowpland Drive, Ottawa, Ontario, Canada K2M 1P6.

LOCATION: CITY OF OTTAWA, 30 FRANK NIGHBOR PLACE: U-HAUL SITE. DRAWING NAME: CIVIL NOTES, DETAILS AND TABLES PLAN. PROJECT No.: 121326, REV #1, DRAWING No.: 121326-NDT, Plan #.

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