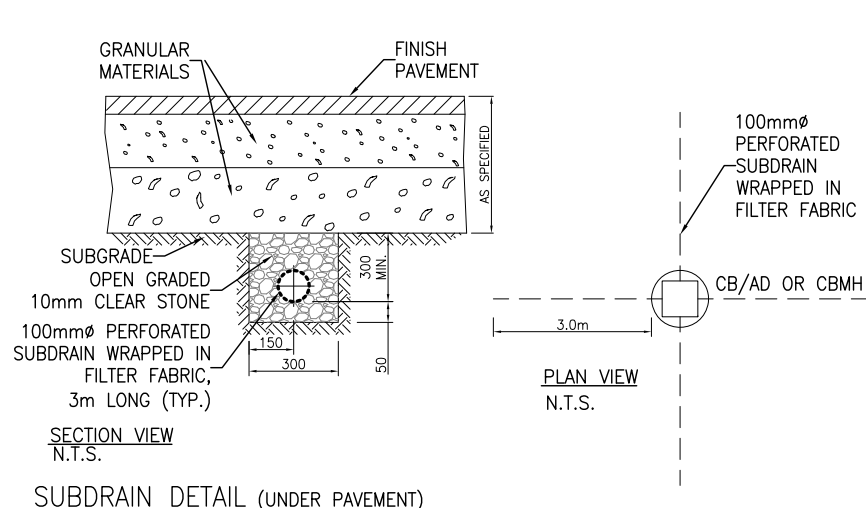
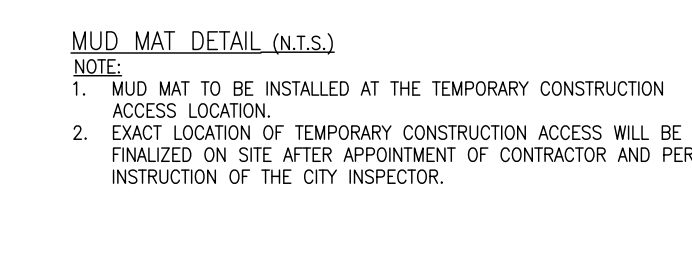


- DRAWING NOTES**
- REFER TO MECHANICAL DRAWINGS FOR CLEAN OUT DETAILS FOR ROOF DRAIN CONNECTION WITH THE EXTERIOR STORM SEWER NETWORK. PROVIDE WATER TIGHT CLEAN OUT CAPS AND FITTINGS FOR ALL PIPING CONNECTED TO ROOF DRAINS WITHIN BUILDING ENVELOPE.
 - REFER TO MECHANICAL DRAWINGS FOR BUILDING WEIRING TILE CONNECTION WITH EXTERIOR STORM SEWER NETWORK. SEWER BACK-UP VALVES MUST BE INSTALLED AT ALL WEIRING TILE CONNECTIONS.
 - REFER TO SITE PLAN AND/OR REMEDIATION PLAN FOR ALTERATION TO THE EXISTING BUILDINGS, CURBS, SIDE WALKS, FIRE ROUTES, DRIVEWAYS, PARKING, ETC.
 - REFER TO SITE PLAN FOR TYPICAL DETAILS FOR CURBS, SIDEWALKS, DRIVEWAY, PARKING STALLS ETC. AND ALL OTHER SITE FURNITURE DETAILS.
 - REFER TO SITE PLAN AND/OR GEO-TECHNICAL REPORT FOR ASPHALT AND ALL OTHER PAVEMENT STRUCTURE RECOMMENDATIONS.
 - REFER TO LANDSCAPE DRAWINGS FOR TOPSOIL THICKNESS IN GRASS/SOD AREAS AND OTHER LANDSCAPE ISLANDS ON PRIVATE PROPERTY.
 - THIS DEVELOPMENT APPLICATION DOES NOT PROPOSE ANY ALTERATION TO THE ROAD FURNITURE AND OTHER ELEMENTS SHOWN ON THIS SET OF DRAWINGS OUTSIDE THE PRIVATE PROPERTY LINE UNLESS NOTED. REFER TO DESIGN DRAWINGS FOR ADJOINING AREA DEVELOPMENT OUTSIDE THE PRIVATE PROPERTY LINE.
 - CONTRACTOR IS RESPONSIBLE TO FLUSH THE PROPOSED STORM AND SANITARY SYSTEM AT THE COMPLETION OF CONSTRUCTION TO THE SATISFACTION OF GOVERNING AUTHORITY PRIOR TO FINAL CERTIFICATION.
 - CONTRACTOR IS RESPONSIBLE FOR AS-BUILT SITE SURVEY SHOWING ALL TOPOGRAPHIC AND INVERT ELEVATIONS AND TO PREPARE AS-BUILT SITE GRADING AND SITE SERVING DRAWINGS AFTER COMPLETION OF WORK. DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL BEFORE FILING IT WITH THE AS-BUILT PROJECT RECORDS.
 - CONTRACTOR IS RESPONSIBLE TO ENGAGE A QUALIFIED VIDEO PRODUCTION COMPANY SPECIALIZING IN PIPE INSPECTION TO INSPECT PIPE PRIOR TO BACKFILLING AND AGAIN AFTER COMPLETION OF BASE COAT ASPHALT AND SUBMIT VIDEO RECORDS TO THE OWNER AND ENGINEER PRIOR TO FINAL CERTIFICATION.
 - CONTRACTOR IS RESPONSIBLE FOR FLUSHING, DISINFECTING AND TESTING OF DOMESTIC WATER AND FIRE MAINS AS OUTLINED IN O.B.C. AND MPA 13 LATEST EDITION. SHALL BE IN COMPLIANCE WITH THE LOCAL GOVERNING AUTHORITY STANDARDS.
 - CONTRACTOR IS RESPONSIBLE TO MAKE COMPLETE ARRANGEMENTS WITH THE GOVERNING AUTHORITIES FOR INSPECTIONS, AND PAY ALL FEES AND CHARGES TO INSTALL THE STORM SEWER, SANITARY SEWER AND WATER MAINS INCLUDING SERVICE CONNECTIONS AS SHOWN ON THIS SET OF DRAWINGS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL KIND OF SHORING/WIDE TRENCH EXCAVATION AND/OR ANY OTHER MEANS OF CONSTRUCTION PROCEDURE/TEMPORARY WORKS AS REQUIRED FOR THE CONSTRUCTION OF DEEP SEWERS/WATERMAIN/STRUCTURES AS SHOWN ON THIS SET OF DRAWINGS. ALL THE COST ASSOCIATED WITH THIS TEMPORARY WORKS AND RESTORATION OF THE DISTURBED AREA TO ORIGINAL AND/OR BETTER CONDITION PER THE GOVERNING AUTHORITY STANDARDS MUST BE INCLUDED IN THE CONTRACT PRICE.
 - CONTRACTOR IS RESPONSIBLE TO COLLECT INSPECTION AND TEST REPORTS FOR INSTALLATION OF SEWERS/WATERMANS/STRUCTURES INCLUDING COMPACTION AND MATERIAL TEST REPORTS FOR BEDDING AND BACKFILLING FROM FIELD REVIEW CONSULTANT. CONTRACTOR MUST PROVIDE THIS REPORTS TOGETHER WITH PHOTOGRAPHIC EVIDENCE OF EACH STAGE OF CONSTRUCTION TO THE DESIGN ENGINEER PRIOR TO PLACEMENT OF FINISH COAT ASPHALT.

- ADDITIONAL DRAWING NOTES**
- THIS DEVELOPMENT APPLICATION DOES NOT PROPOSE ROOFTOP STORAGE OR ANY OTHER TYPE OF RAINWATER CONTROL ABOVE PROPOSED BUILDING ROOFS.
 - RETAIN ALL EXISTING CB, MANHOLES, STORM SEWER, SANITARY SEWER AND WATERMANS UNLESS NOTED TO REMOVE.
 - KEEP ALL EXISTING STORM SEWER INFRASTRUCTURE MARKED AS REMOVE UNTIL THE CONSTRUCTION OF STORM SEWER ALTERATIONS AS PROPOSED IN THIS DRAWING ARE COMPLETE. CONTRACTOR IS RESPONSIBLE TO PUMP WATER AS REQUIRES AS UNTIL STORM SEWER ALTERATION IS COMPLETE.
 - THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE SAME.



- SUBDRAIN DETAIL (UNDER PAVEMENT)**
- NOTES:**
- ALL SUBDRAIN CONNECTIONS TO BE MADE ON BOTH SIDES OF THE CATCH-BASIN AND TO BE MORTARED AT THE INSIDE AND OUTSIDE OF THE CATCH-BASIN WALLS. THE SUBDRAIN SHALL BE PLUGGED WITH A MANUFACTURED PLUG AT THE HIGH POINT WHERE THERE IS NO CATCH-BASIN.
 - PIPE SHALL BE 100mm PLYTHYLENE OR C.M.P.(HELICOR OR EQUAL) WRAPPED IN FILTER FABRIC.
 - FILTER FABRIC SHALL BE IN ACCORDANCE WITH THE CITY OF TORONTO AND ONTARIO PROVINCIAL STANDARD SPECIFICATIONS.
 - ALL DIMENSIONS ARE IN MILLIMETERS (MM).

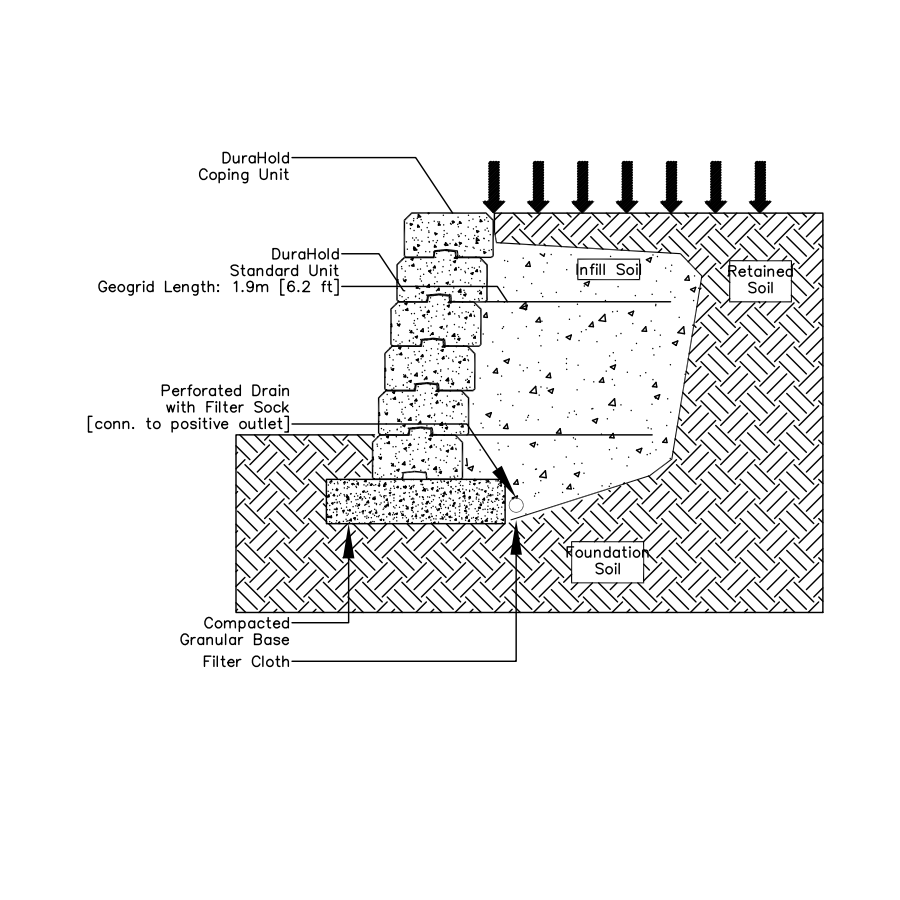


- MUD MAT DETAIL (N.T.S.)**
- NOTE:**
- MUD MAT TO BE INSTALLED AT THE TEMPORARY CONSTRUCTION ACCESS LOCATION.
 - EXACT LOCATION OF TEMPORARY CONSTRUCTION ACCESS WILL BE FINALIZED ON SITE AFTER AFFIRMATION OF CONTRACTOR AND PER INSTRUCTION OF THE CITY INSPECTOR.



- INTERCEPTOR SWALE DETAIL (N.T.S.)**

TYPICAL SECTION - NOT FOR CONSTRUCTION



Design Specific Geometric Information

Retaining Wall System	Durability w/ Geogrid	Geogrid Type and Manufacturer	See Notes
Maximum Height (m)	1830 (7'2")	Geogrid L 150 (4.2m)	See Notes
Minimum Slope (H:V)	Horizontal	Maximum Slope (H:V)	None
Max. Surcharge (kPa) (250 lb/ft²)	Traffic Surcharge 12 kPa (250 lb/ft²)	Depth of Embedment (mm)	305 (12")
Bottom of Wall	312'	Geogrid Base Dimension (mm)	1228 x 305 (48 x 12)

Design Specific Soil Information

Description (by USCS)	Soil Region		Base	Drainage
	Infill	Retained		
Moisture Content (%)	22 (140)	20 (127)	22 (140)	NR
Plasticity Index (PI)	NR	NR	NR	NR
Unconfined Compressive Strength (kPa)	150	150	150	150

NOTES:

- The design needs or exceeds the minimum factors of safety required by Risk Based Systems based on the design parameters listed above. The analysis was performed as outlined in the National Concrete Masonry Association Design Manual for Segmental Retaining Walls, Second Edition. This is a typical, not site-specific, design.
- No analysis of global stability, local or differential settlement, or seismic effects has been performed.
- This design is only provided to facilitate the general arrangement of the SWR structure for preliminary costing and feasibility purposes only. This drawing is not for construction. A qualified Engineer must be retained to provide the Final Design prior to construction.
- Structures such as handrails, guardrails, fences, terraces, and site conditions such as water applications, drainage and soil conditions, additional soil and steel loads, etc. have significant effects on the wall design and have not been taken into account in this design. When accounted for in the Final Design, other conditions and elements may result in additional design requirements (specifically, retaining walls and structures) and the design may be revised accordingly. Contact your manufacturer or Risk Based Systems for a full list of approved geogrid reinforcements.

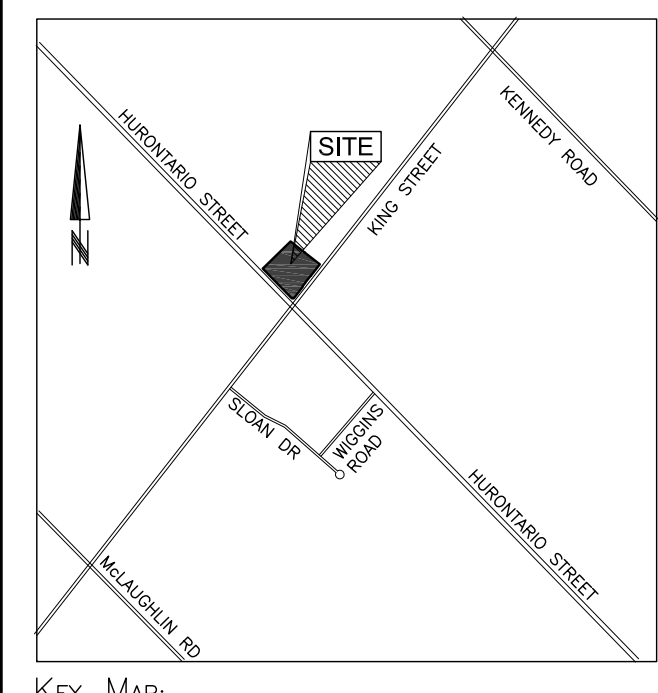
TYPICAL DETAIL - NOT FOR CONSTRUCTION
CONTACT MANUFACTURER FOR DETAILED DESIGN AND VERIFICATION OF DESIGN ASSUMPTIONS INCLUDING SOIL PARAMETERS AND ACTUAL TRAFFIC LOADING

RisiStone retaining wall systems

DuraHold® Retaining Wall Geogrid System

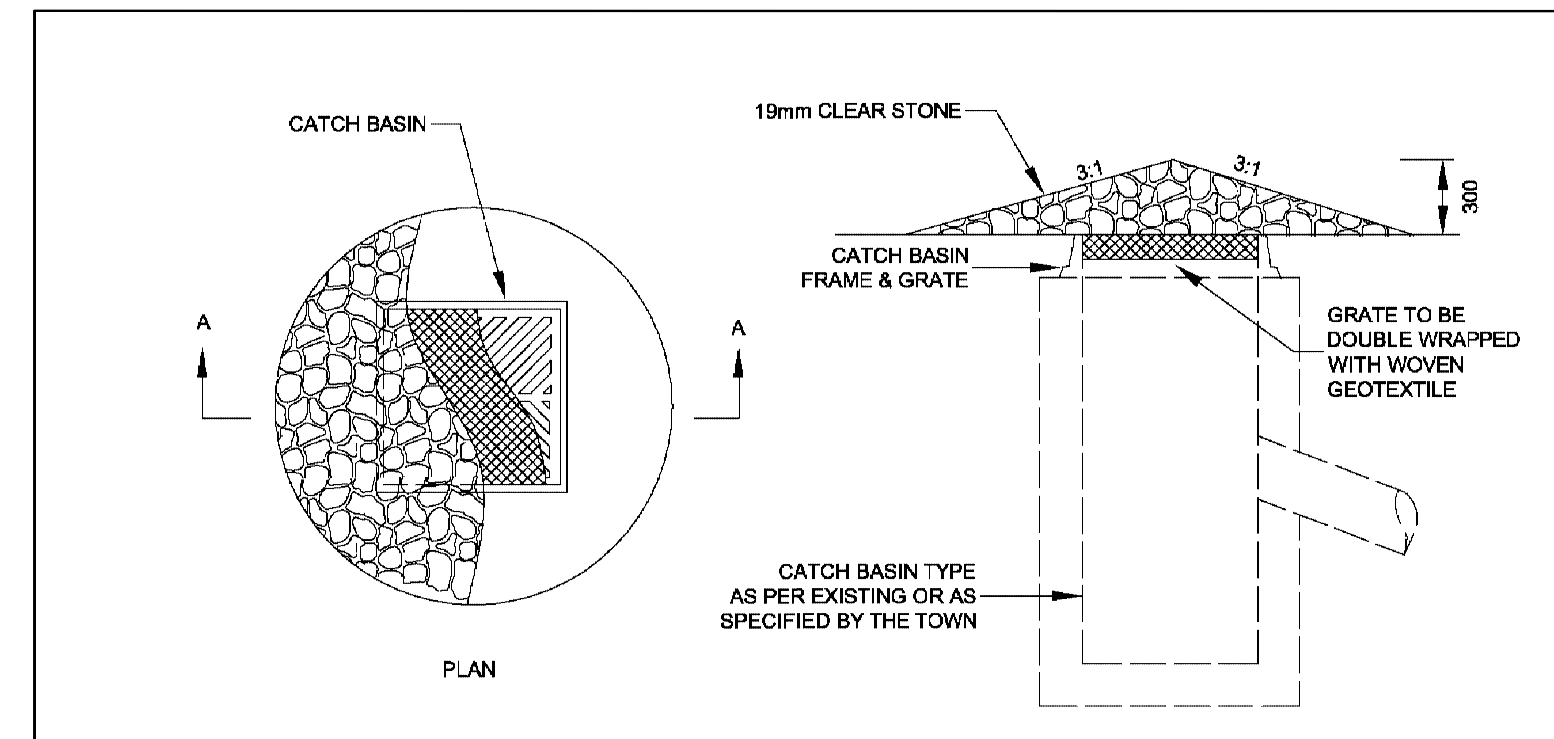
1830mm (6.00ft) Site: Surcharge - Clays Infill: DH1R0QA183

8500 Leslie Street, Suite 200 Thornhill, ON Canada L3T 7W6
Phone: 905.882.2899 Fax: 905.882.4598
www.risistone.com © 2007 Risi Stone Systems



Key Map:
BASE INFORMATION TAKEN FROM DRAWING(S) BY OTHERS. FLORA DESIGNS INC. DOES NOT ASSUME ANY RESPONSIBILITY FOR ERRORS, OMISSIONS OR ACCURACY OF THE INFORMATION. DRAWINGS SHALL ONLY BE USED FOR GUIDELINE PURPOSES.

TOWN OF CALEDON PLANNING RECEIVED
December 13th, 2022

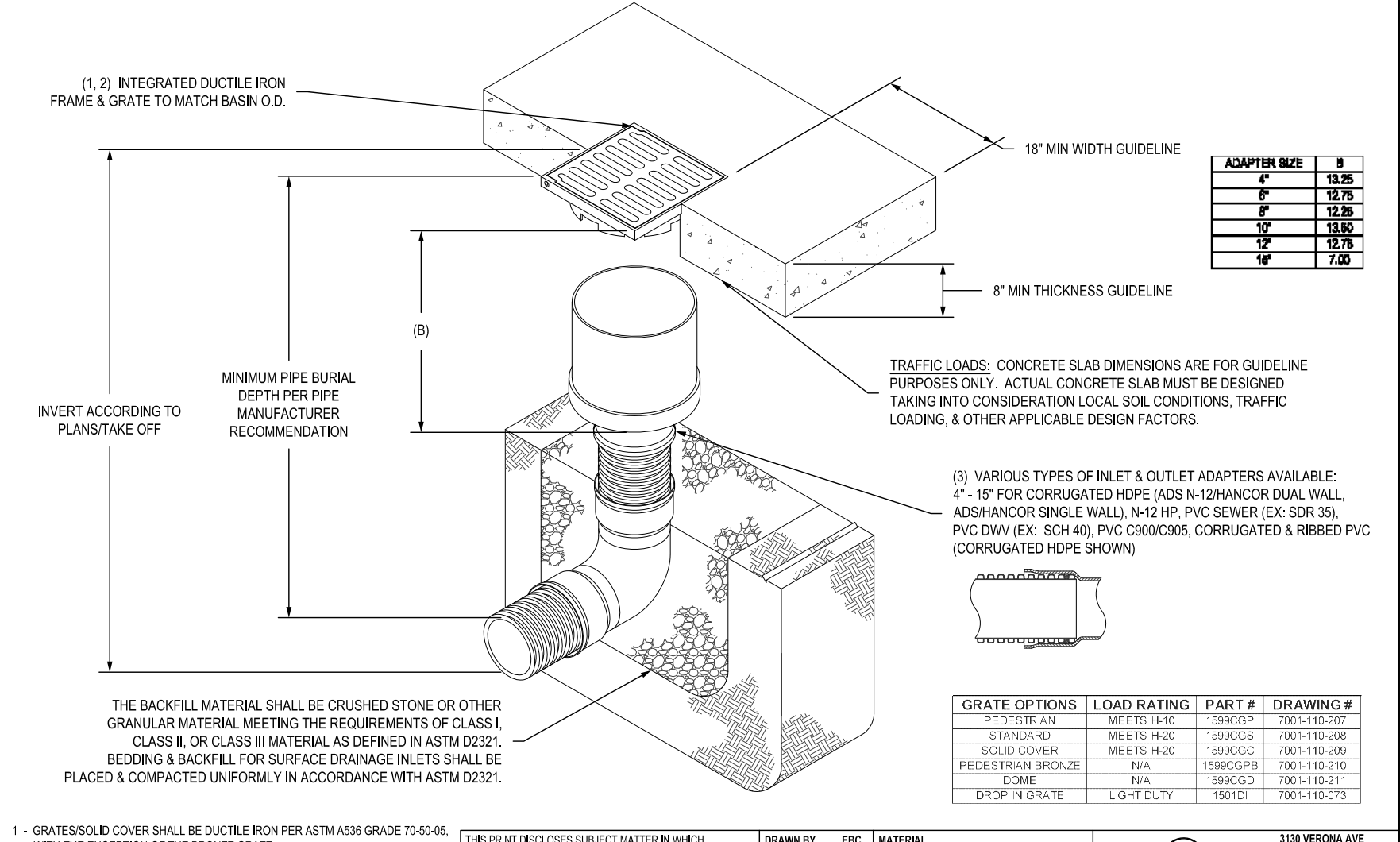


- NOTES:**
- CATCH BASIN LIFT HOLES TO BE FARGED WITH CONCRETE.
 - WOVEN GEOTEXTILE TO HAVE A MINIMUM EQUIVALENT OPENING SIZE OF 0.15mm AND A MAXIMUM OPENING SIZE OF 0.25mm.

TOWN OF CALEDON CATCH BASIN SEDIMENT BARRIER

NO.	REVISION	APRD	DATE	SCALE
1	STANDARD No. 320.02 NOW 303	JUNE 08	APRIL 00	1:1

NYLOPLAST 15" INLINE DRAIN: 2715AG __ X

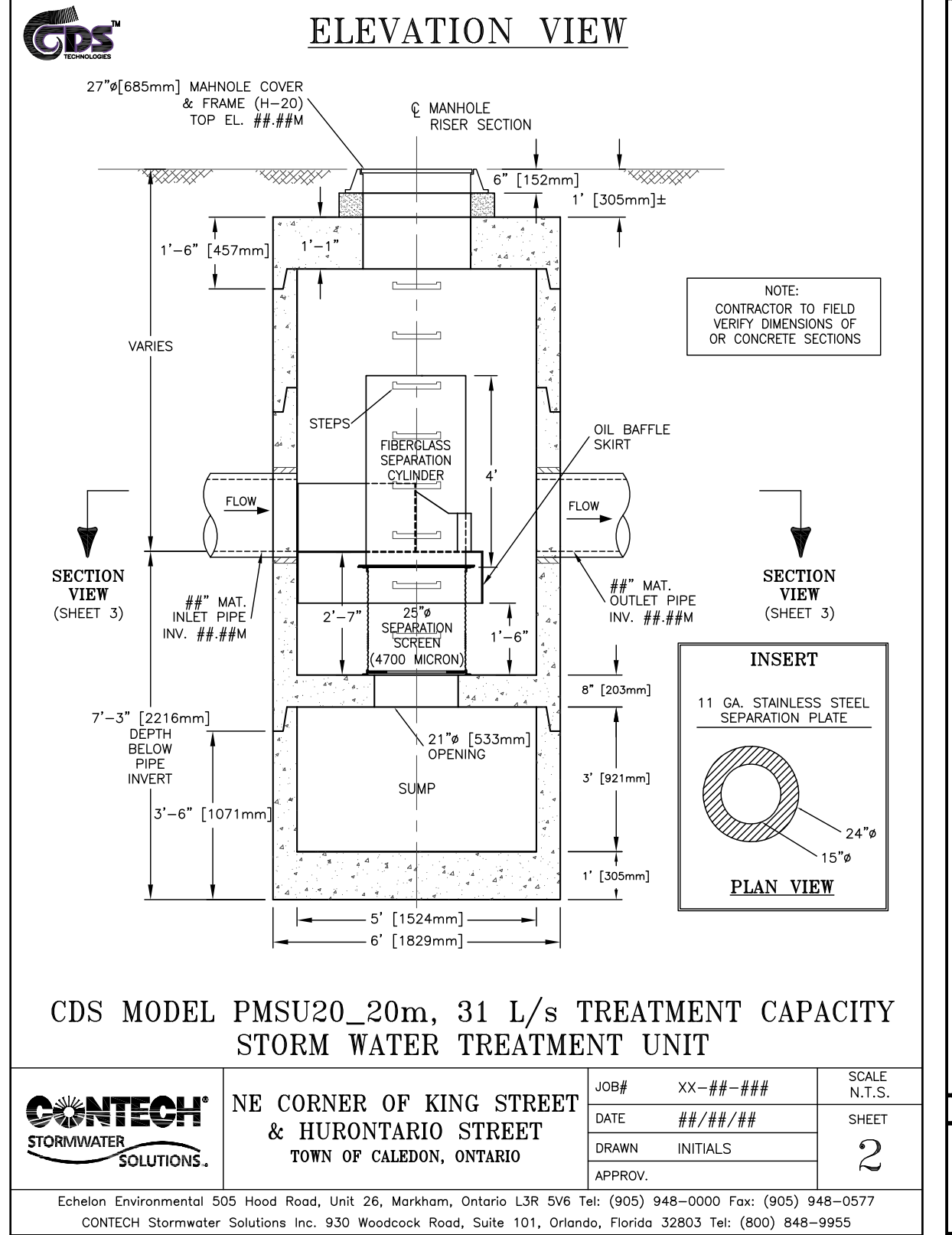


GRATE OPTIONS

LOAD RATING	PART #	DRAWING #
FEETRAK	1500000	7007-10-207
FRONTOUR	1500000	7007-10-208
SOLID COVER	1500000	7007-10-209
FRONT/FRONT/FRONT	N/A	7007-10-210
EDGE	N/A	7007-10-211
GRATE IN GRATE	15000	7007-10-212

NYLOPLAST

NO.	REVISION	APRD	DATE	SCALE
1	STANDARD No. 320.02 NOW 303	JUNE 08	APRIL 00	1:1



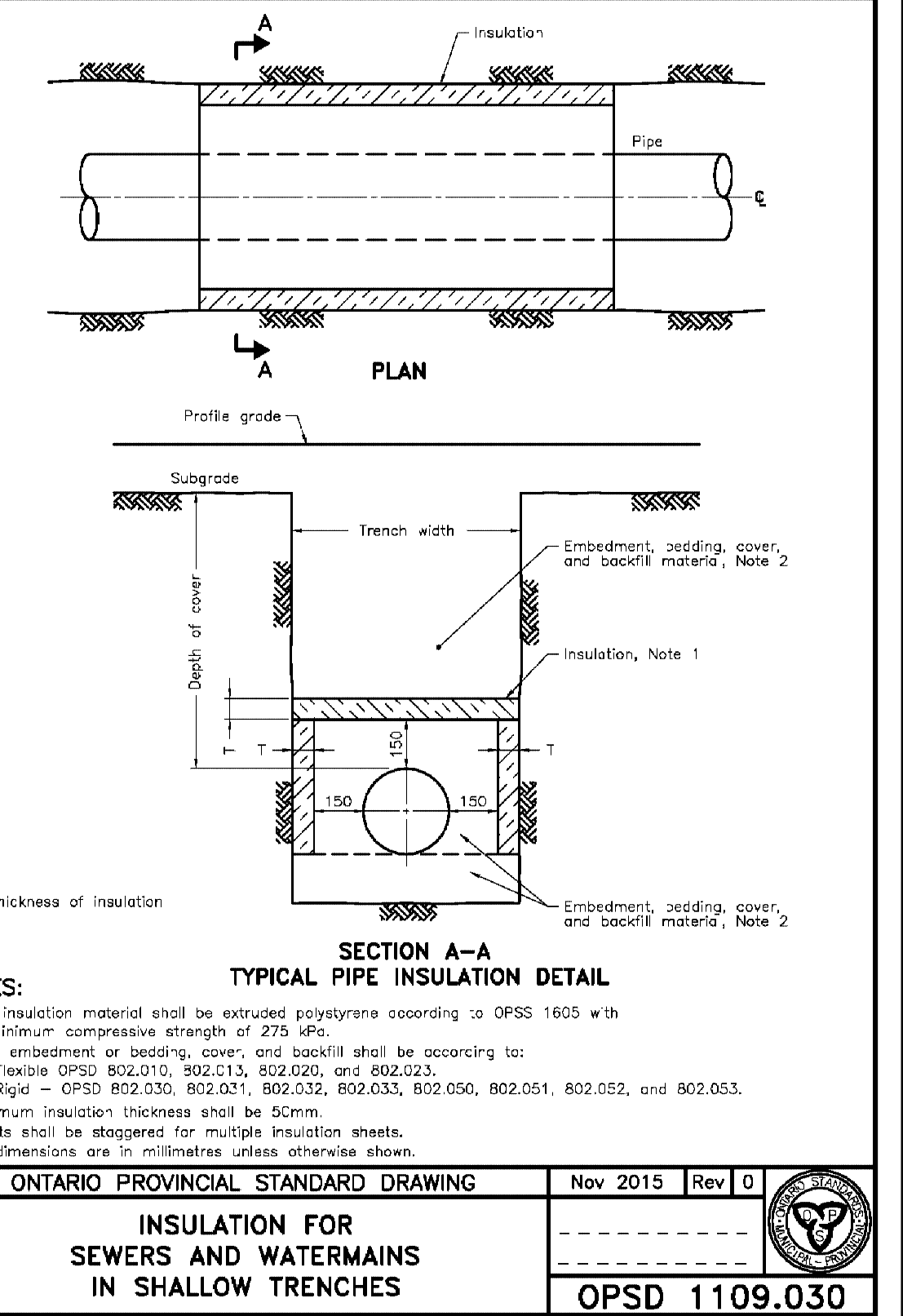
CDS MODEL PMSU20_20m, 31 L/s TREATMENT CAPACITY STORM WATER TREATMENT UNIT

CONTECH STORMWATER SOLUTIONS

NE CORNER OF KING STREET & HURONTARIO STREET TOWN OF CALEDON, ONTARIO

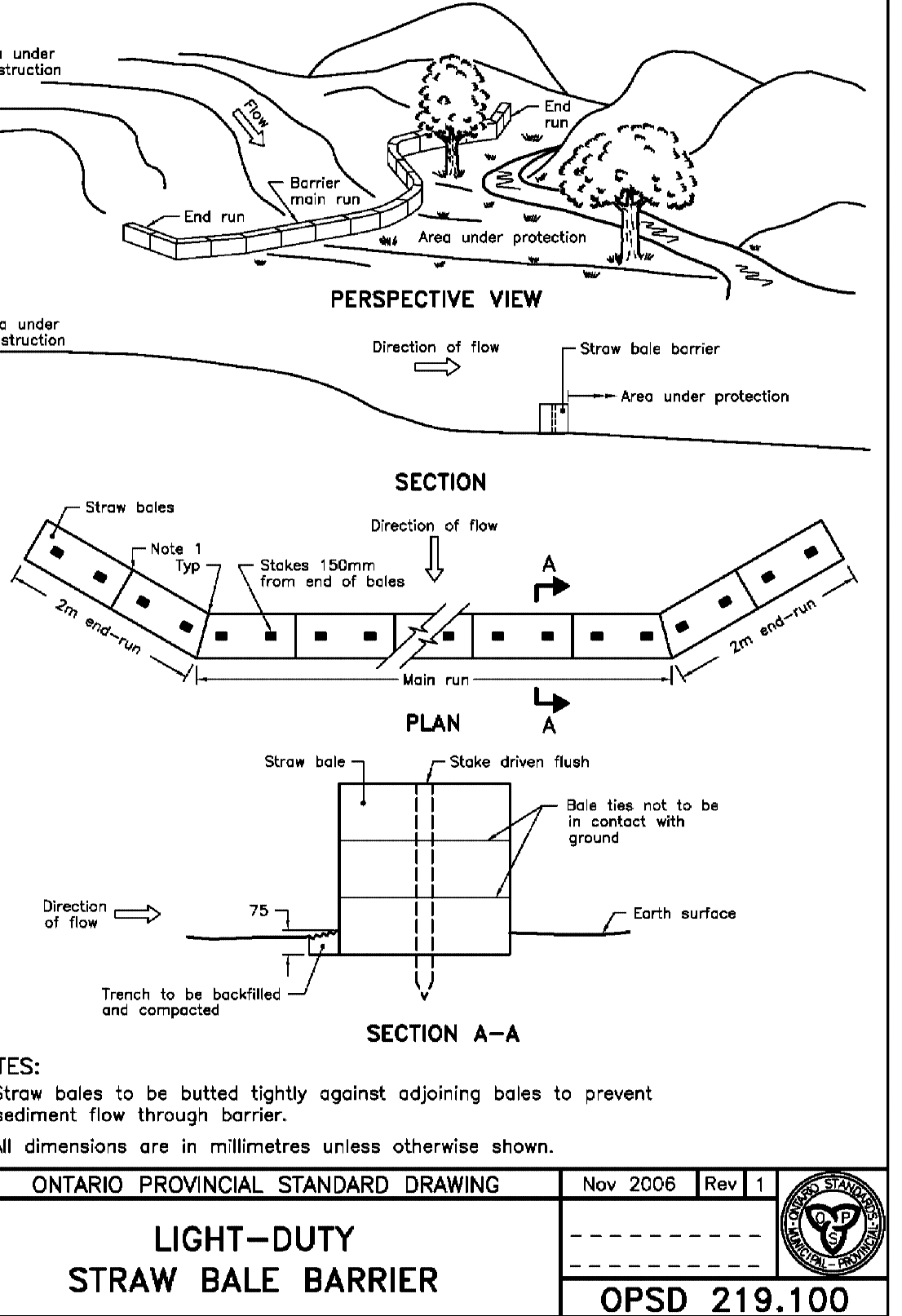
Job# XX-##-### DATE ##/##/## DRAWN INITIALS APPROV.

Echelon Environmental 505 Hood Road, Unit 26, Markham, Ontario L3R 5V6 Tel: (905) 948-0000 Fax: (905) 948-0577 CONTECH Stormwater Solutions Inc. 930 Woodcock Road, Suite 101, Orlando, Florida 32803 Tel: (800) 848-9955



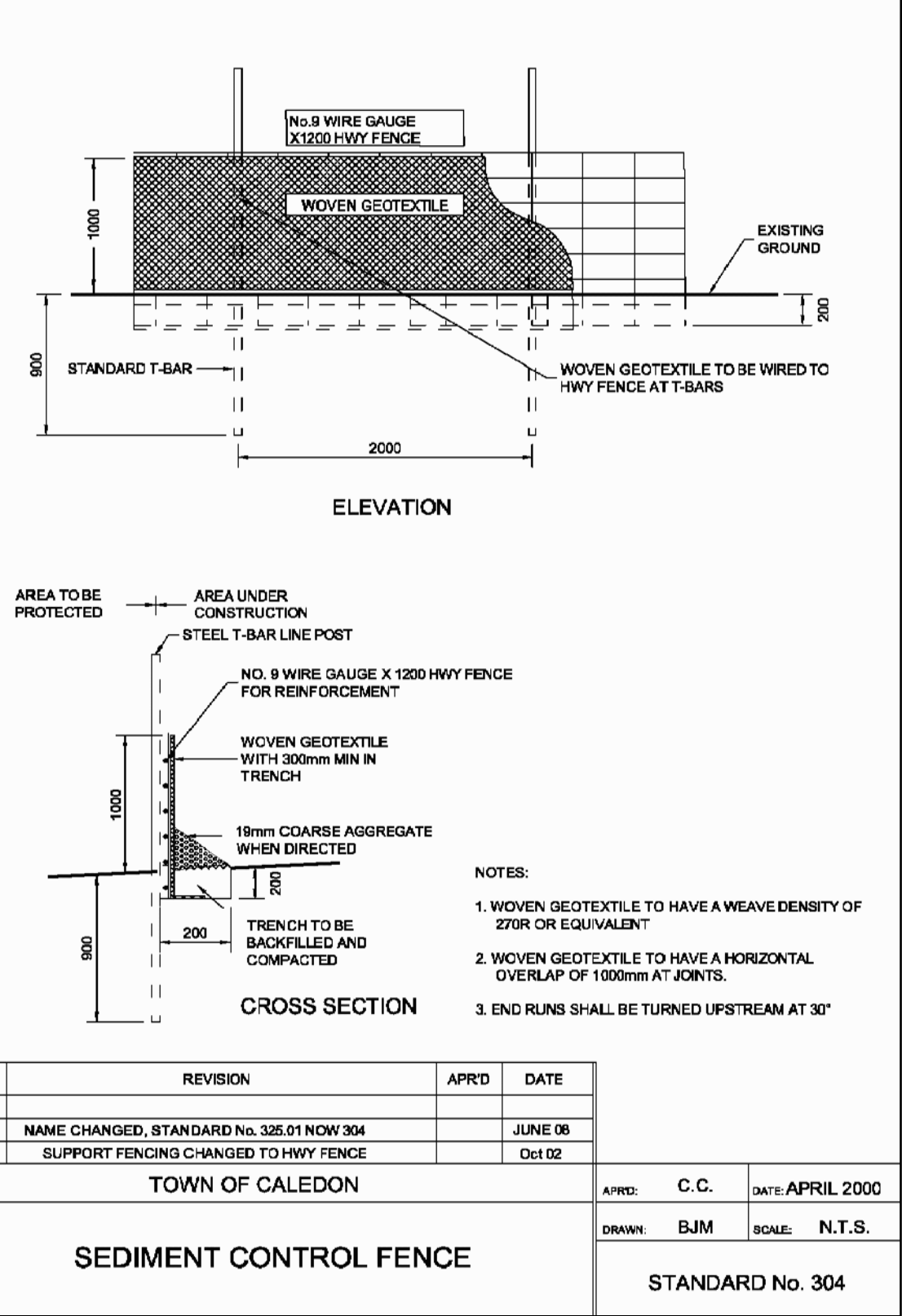
INSULATION FOR SEWERS AND WATERMANS IN SHALLOW TRENCHES

OPSD 1109.030



LIGHT-DUTY STRAW BALE BARRIER

OPSD 219.100



SEDIMENT CONTROL FENCE

STANDARD No. 304

SEP 25, 2022 RE-ISSUED FOR SITE PLAN APPLICATION 2. CP

NOV 26, 2019 ISSUED FOR SITE PLAN APPLICATION 1. CP

DATE DESCRIPTION CHECKED BY

REVISIONS:

FLORA DESIGNS INC.
Complete civil engineering design solutions

1109 BRITANNIA ROAD EAST MISSISSAUGA, ON L4W 3K1 PH: (647) 496-8055 www.floradesigns.net

C.C. PATEL 100136451
Lic. No. 257-0212
PROVINCIAL ENGINEER

PROJECT: PROPOSED TRAVEL STOP

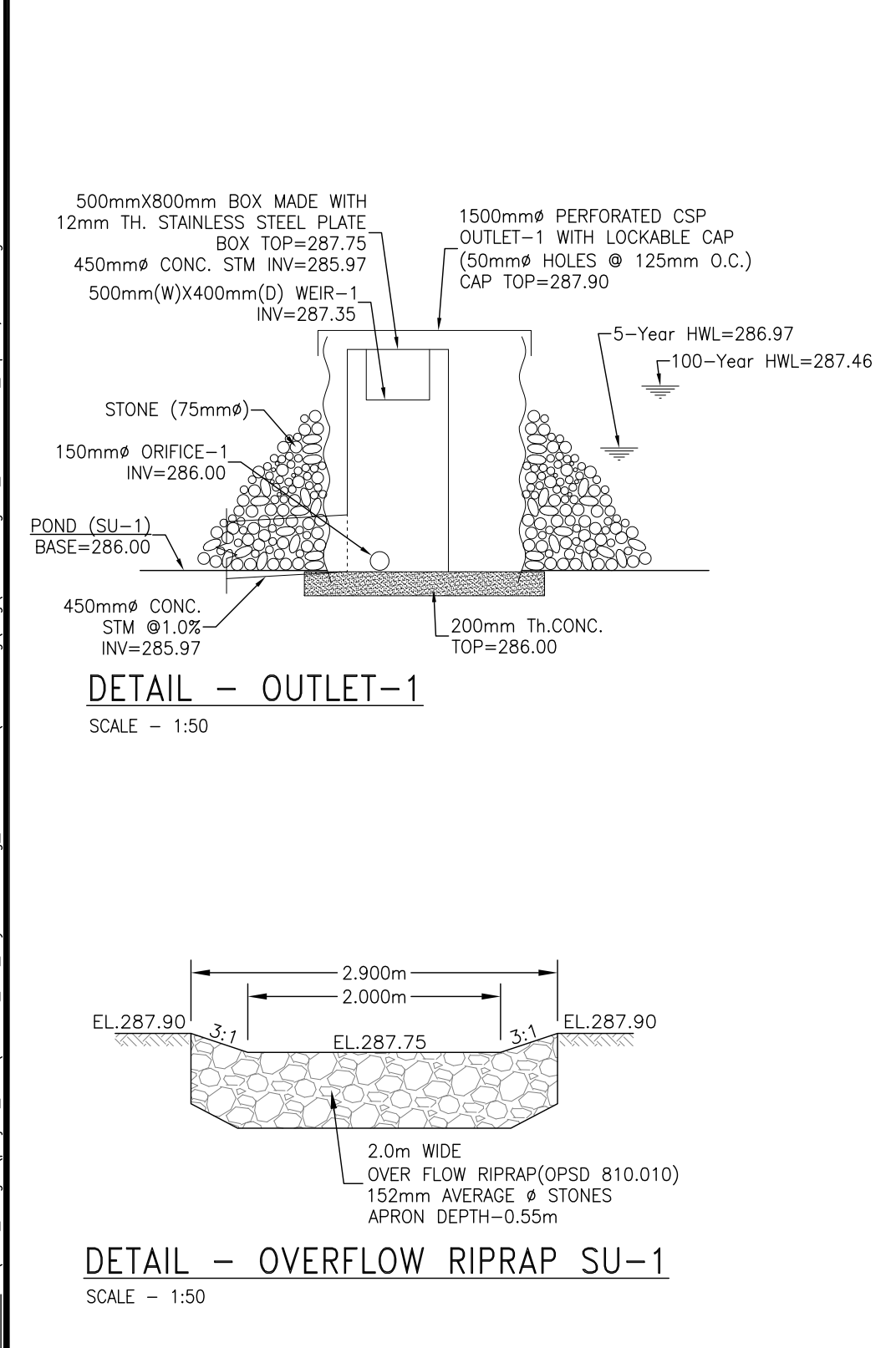
N-E CORNER OF HURONTARIO & KING ST., CALEDON, ON L7C 3M1

DRAWING TITLE: ENGINEERING NOTES AND DETAILS (TOWN FILE # SPA 2019-0065) (R.O.P. FILE # C-601035)

JOB NUMBER: FD-018372 DRAWN BY: AT

SCALE: AS SHOWN CHECKED BY: CP

SHEET NUMBER: SS-2



DETAIL - OVERFLOW RIPRAP SU-1

SCALE = 1:50