

GENERAL NOTES

1. ALL TOPOGRAPHY, GROUND ELEVATIONS AND SURVEY DATA ARE SHOWN FOR INFORMATION PURPOSES ONLY AND IMPLY NO GUARANTEE OF ACCURACY. ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. THIS PLAN HAS BEEN PREPARED IN REFERENCE TO A SITE PLANS PREPARED BY CHRISTOPHER A. LEGGETT ARCHITECT INC. DATED 09.22.21
3. THIS PLAN HAS BEEN PREPARED IN REFERENCE TO THE PLAN OF SURVEY AS COMPLETED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. A SIGNED COPY WAS NOT AVAILABLE, BUT NOTES PROVIDED ON THE SUPPLIED PLAN SPECIFY THE SURVEY WAS COMPLETED ON JULY 12, 2022.
4. THE OWNER IS RESPONSIBLE FOR ALL PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.
5. LAYOUT BY OTHERS.
7. ALL DISTURBED AREAS ARE TO BE SEED AS SOON AS FEASIBLE. NO BARE TOPSOIL SHALL REMAIN. ALL DISTURBED AREAS INTENDED TO BE FINISHED AS GRASS ARE TO BE TREATED WITH A MIN. 100mm TOPSOIL AND SEED (OR SOD).
8. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
9. DISTURBED AREAS WITHIN THE CITY ROAD ALLOWANCE ARE TO BE RESTORED TO THE SATISFACTION OF THE CITY.
10. GRADING NOT TO EXTEND BEYOND PROPERTY LINES.
11. SUITABILITY OF SUBGRADE CONDITIONS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER (OR SUITABLE PROFESSIONAL) PRIOR TO FOOTING INSTALLATION. FROST PROTECTION REQUIRED WHERE DEPTH OF COVER < 1.5m. FROST PROTECTION DESIGN BY OTHERS.
12. ALL PARKING LOT AND GRADING WORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
13. CONTACT THE CITY FOR INSPECTION AT KEY MILESTONES. REFERENCE SHALL BE MADE TO THE SITE PLAN AGREEMENT AND/OR BUILDING PERMIT FOR INSPECTION MILESTONES.
14. ALL WORKS ARE TO BE PERFORMED IN ACCORDANCE WITH CURRENT CODES AND STANDARDS.
15. ANY CHANGES MADE TO THIS PLAN ARE TO BE VERIFIED AND APPROVED BY SHADE GROUP INC. AND ARE SUBJECT TO APPROVAL FROM THE APPLICABLE APPROVAL AGENCIES.
16. THE LOCATION OF THE WELL AND SEPTIC HAS BEEN SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE SUITABILITY OF THE WELL LOCATION IS TO BE VERIFIED BY OTHERS, WHILE THE DESIGN OF THE SEPTIC IS TO BE COMPLETED BY OTHERS. WELL IS TO BE MIN. 15m FROM ANY SEPTIC SYSTEM (BOTH ON-SITE AND ON ADJACENT PROPERTIES).

EROSION AND SEDIMENT CONTROL NOTES

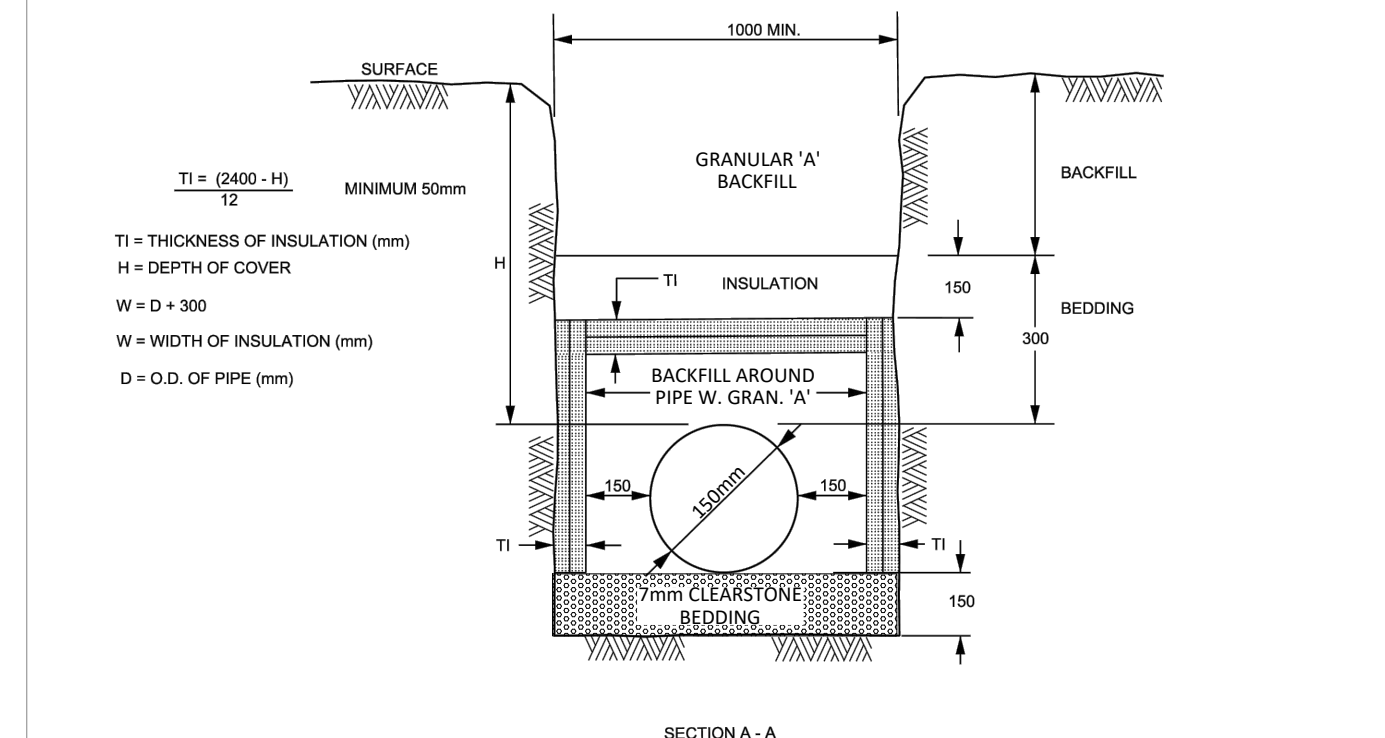
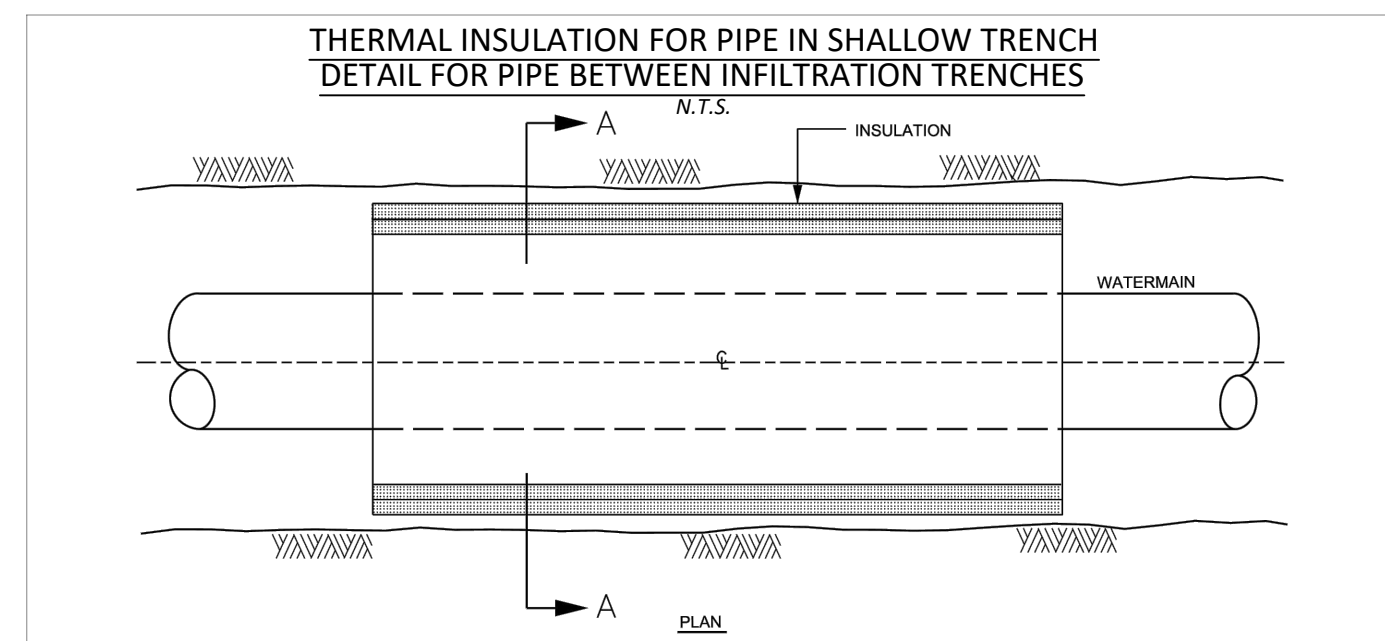
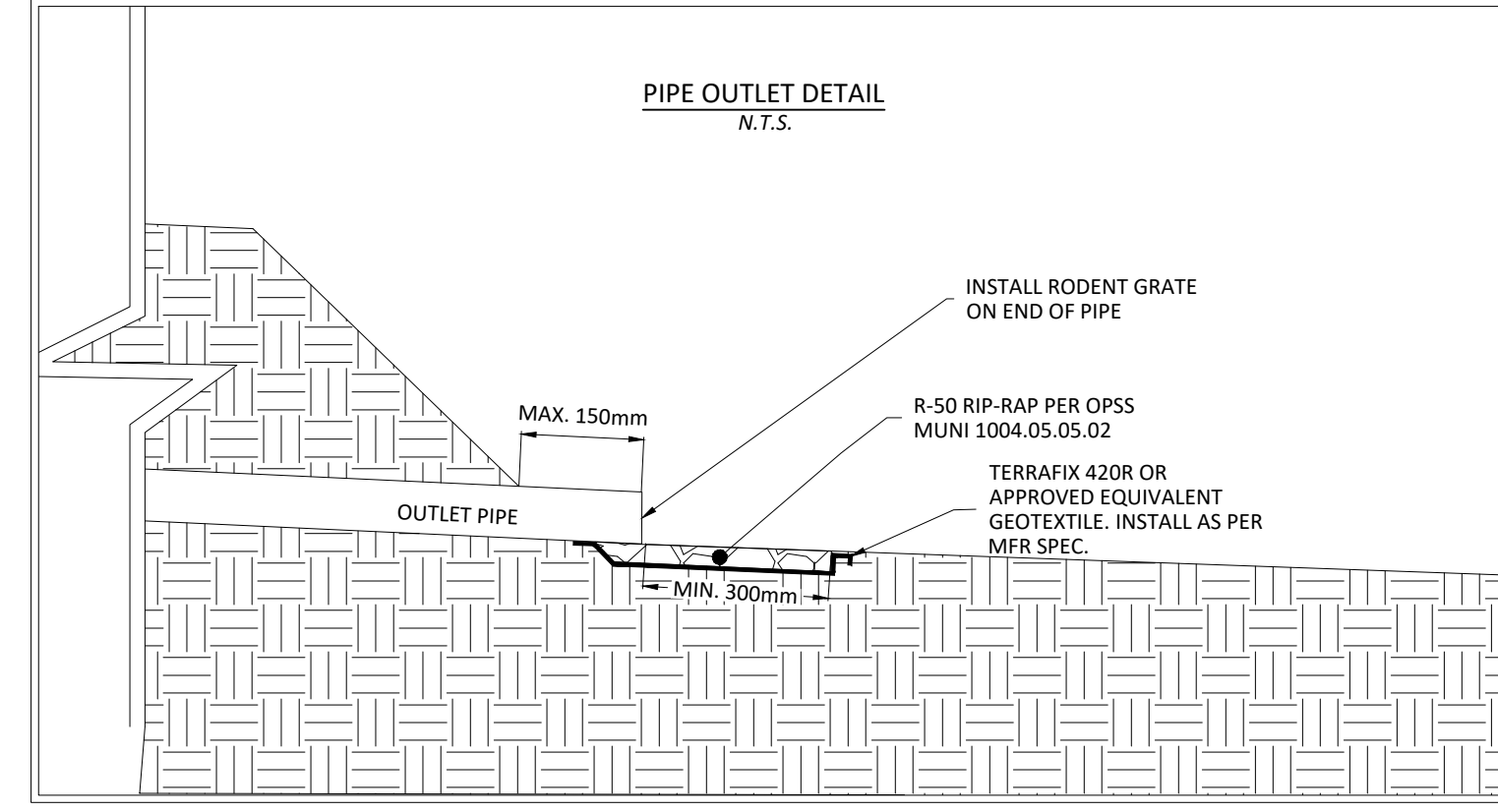
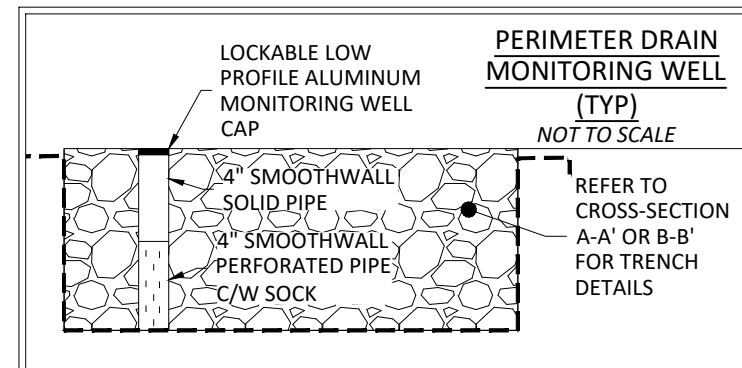
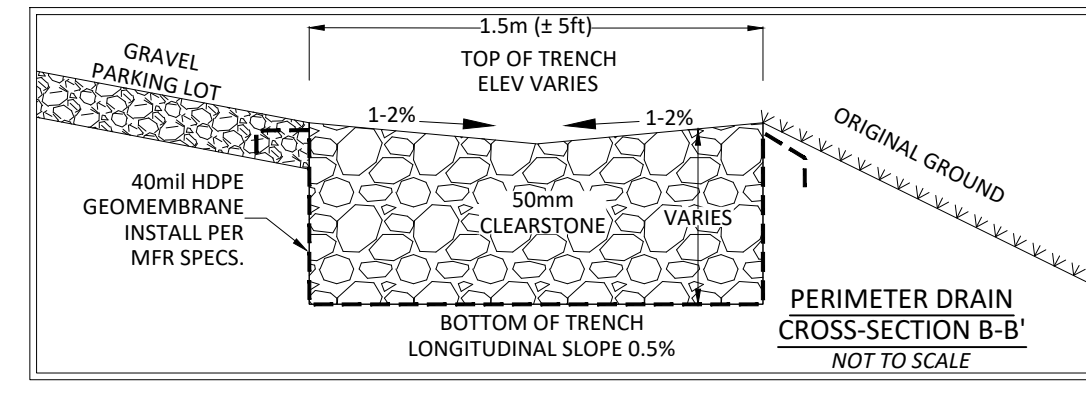
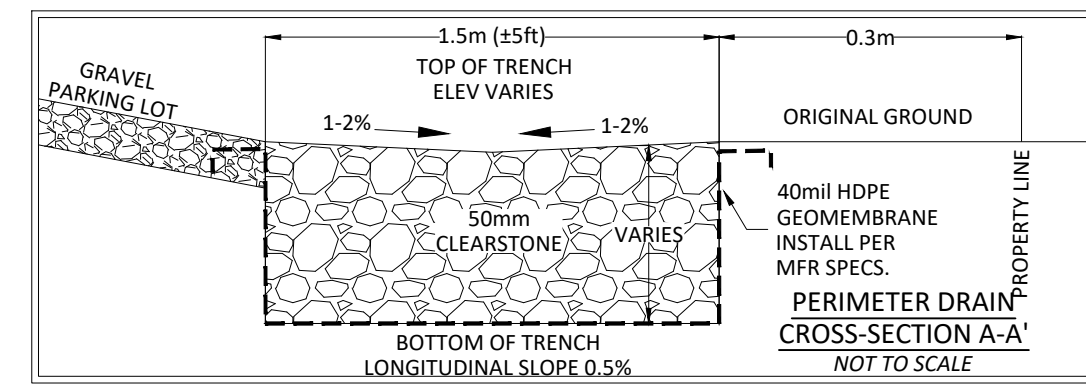
1. BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED BY THE CONTRACTOR/OWNER TO PROTECT THE SITE AND SURROUNDING PROPERTIES DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES PRACTICES SUCH AS LIMITING THE AMOUNT OF DISTURBED LANDS, AND INSTALLATION OF SILT FENCE BARRIERS.
2. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AT THE DISCRETION OF THE PROJECT MANAGER, OWNER, MTO, CONSERVATION AUTHORITY, MECF, MUNICIPALITY OR OTHER APPLICABLE REGULATORY AGENCY.
3. DISTURBED AREAS ARE TO BE TOPSOILED, SEED AND/OR STABILIZED UPON COMPLETION, OR THROUGH LONG PERIODS OF WORK STOP (E.G. DURING WINTER MONTHS).
4. REGROWTH OF VEGETATION SHALL BE A PRIORITY UPON SITE COMPLETION. VEGETATION OF THE SITE SERVES AS A KEY EROSION AND SEDIMENT CONTROL PRACTICE FOR THE LONG TERM PERFORMANCE OF THE SITE.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION. ALL MEASURES ARE TO BE MONITORED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION, INCLUDING UPON COMPLETION, UNTIL THE SITE IS DEEMED STABLE.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AS PER MANUFACTURER SPECIFICATIONS. WHERE NO SUCH SPECIFICATION IS AVAILABLE, REFERENCE SHALL BE MADE TO THE APPROPRIATE OPSD OR OPSS.
7. THE OWNER AND/OR CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A MAINTENANCE AND MONITORING PLAN FOR EROSION AND SEDIMENT CONTROL UP TO PROJECT COMPLETION - AND UPON COMPLETION UNTIL THE SITE IS DEEMED STABLE. THIS SHALL INCLUDE CONSIDERATION FOR SEDIMENT AND REMOVAL IN SUCH A MANNER THAT SEDIMENT IS NOT DISCHARGED DOWNSTREAM. REFER TO THE MTO EROSION AND SEDIMENT CONTROL GUIDE ON PROPER PRACTICE IN MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES.

INFILTRATION GALLERY NOTES

1. INFILTRATION GALLERY TO BE EXCAVATED TO SPECIFIED BOTTOM ELEVATION.
2. CONTRACTOR TO BACKFILL WITH 50mm CLEARSTONE TO SPECIFIED ELEVATION.
3. CONTRACTOR TO CAP CLEARSTONE WITH 40mil HDPE GEOMEMBRANE INSTALLED PER MANUFACTURER'S SPECIFICATIONS (TITAN 40HD - 40mil SMOOTH HDPE GEOMEMBRANE OR APPROVED EQUIVALENT).
4. CAP WITH GRANULAR 'A' PLACEMENT OF GRANULAR 'A' AND ANY COMPACTION REQUIREMENTS TO BE COMPLETED IN CONSULTATION WITH GEOTECHNICAL ENGINEER.

PERIMETER CONVEYANCE TRENCH NOTES

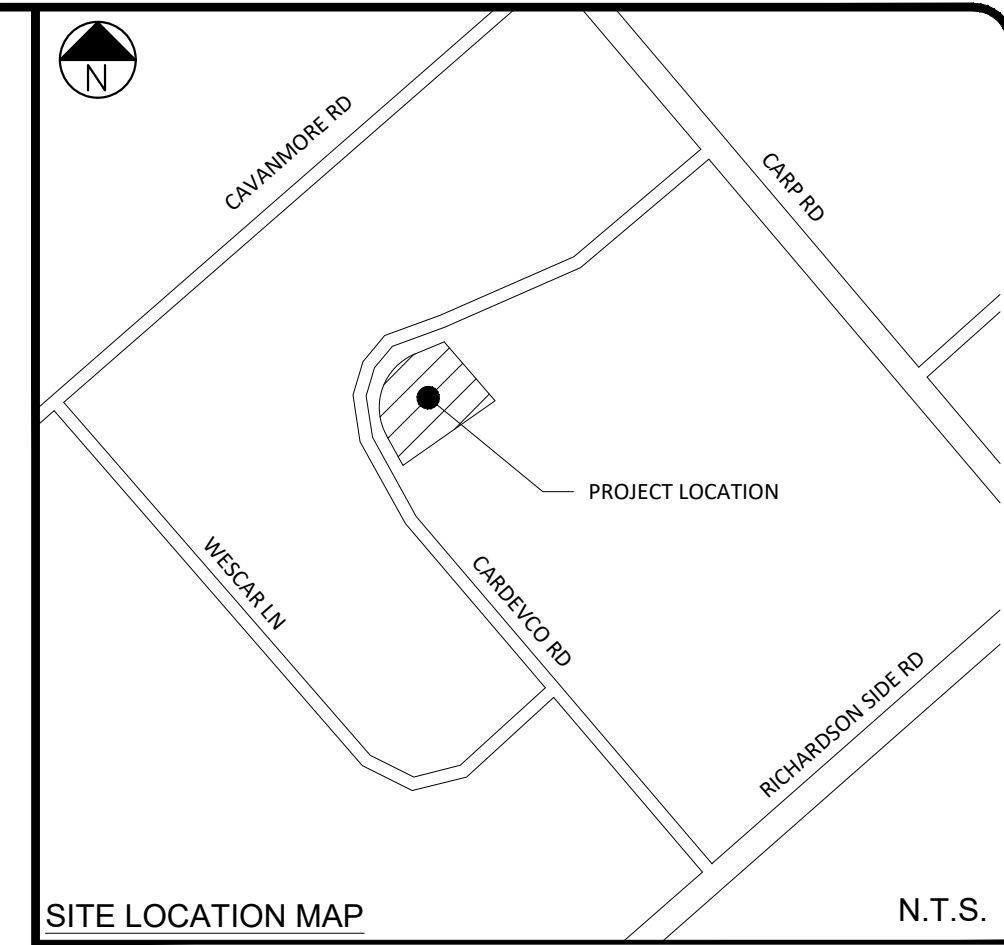
1. PERIMETER CONVEYANCE TRENCH TO BE EXCAVATED TO SPECIFIED BOTTOM ELEVATIONS.
2. CONTRACTOR TO LINE EXCAVATED TRENCH WITH 40mil HDPE GEOMEMBRANE INSTALLED PER MANUFACTURER'S SPECIFICATIONS (TITAN 40HD - 40mil SMOOTH HDPE GEOMEMBRANE OR APPROVED EQUIVALENT).
3. CONTRACTOR TO BACKFILL TRENCH WITH 50mm CLEARSTONE TO SPECIFIED ELEVATION.



- NOTES
1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
 2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCH-BASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W03
 3. DEPTH OF COVER LESS THAN 1200mm REQUIRES SPECIAL DESIGN
 4. STAGGER JOINTS OF MULTIPLE SHEETS.
 5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

THERMAL INSULATION DEPTH

EFFECTIVE EARTH COVER (m)	REQUIRED THICKNESS (TI)
2400 - 1800 mm	50 mm
1800 - 1500 mm	75 mm
1500 - 1200 mm	100 mm



ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE MARKED.

PAGE SIZE ARCH D SCALE N.T.S.

SHADE GROUP INC.
4625 MARCH ROAD
ALMONTE, ON
K0A 1A0

SHADE GROUP INC.

PERIMETER DRAIN STORAGE TANK
N.T.S.

WORKING VOLUME: 2785L
TOTAL VOLUME: 3000L

CONCRETE: 35 MPa WITH 1.5% AIR ENTRAINMENT NON-SULFATE RESISTANT

REINFORCING: WALLS, FLOOR, AND LID 96.5 HIGH TENSILE STEEL MAT W/MIN 38mm COVER 150MM O/C C/W OR 10M@200mm O/C C/W 10M BAR DIAGONALS AT EACH CORNER OF LID OPENINGS

WEIGHT: TOP SECTION 30380 KGS
BOTTOM SECTION 30380 KGS
TOTAL 20560 KGS

MAXIMUM BURIAL DEPTH: 1200mm (4ft)

WATER TIGHTNESS: 2X ROWS CON SEAL CS-102 MASTIC SEALANT BETWEEN PIECES. SEALANT APPLIED ON SITE BY BOYD BROS CONCRETE ACCORDING TO MANUFACTURER'S RECOMMENDED METHOD

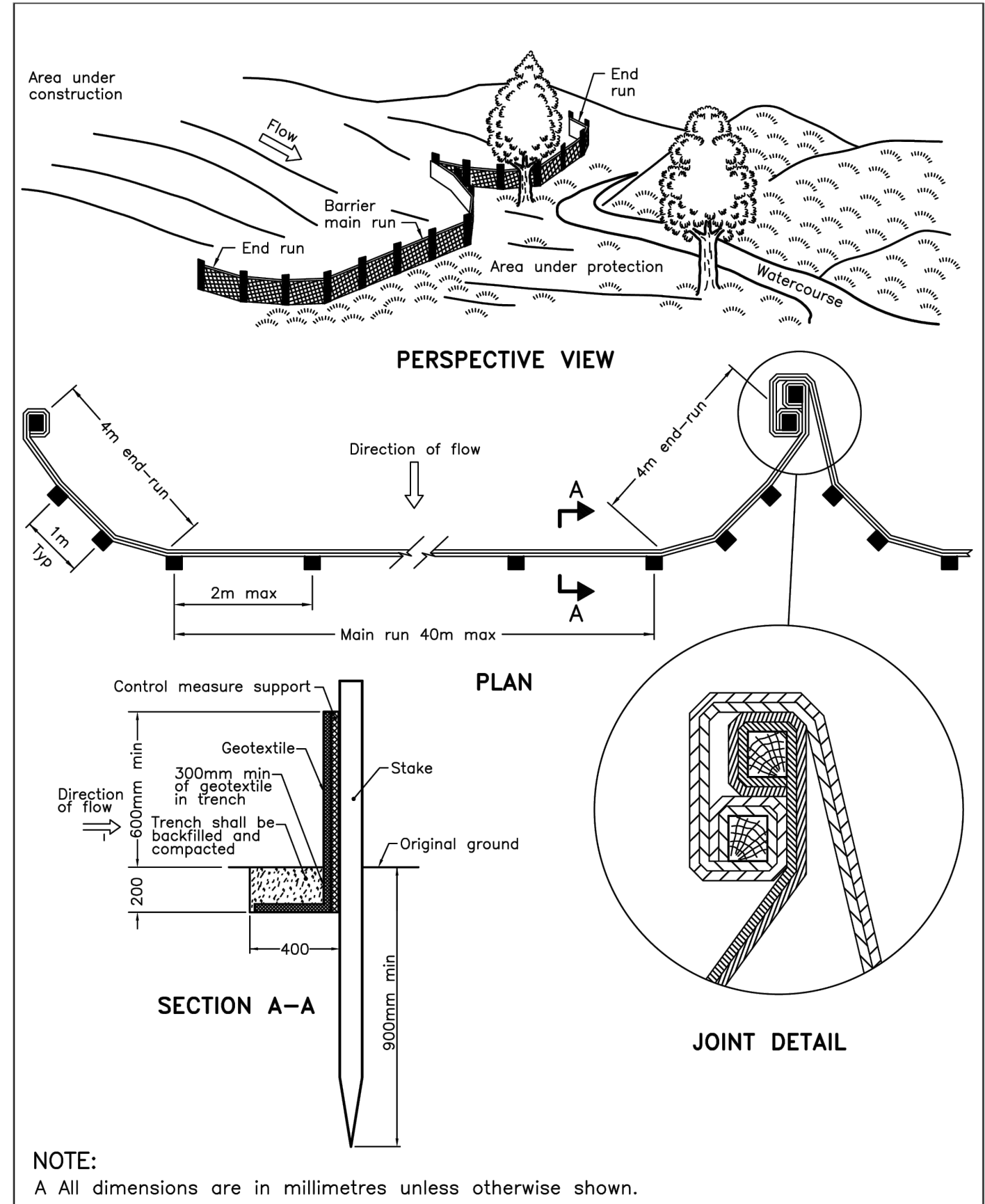
PIPE/WALL CONNECTIONS: PORTLOCK IV 100mm HIGH PRESSURE SEAL CAST IN CONCRETE

ACCESS OPENINGS: TUF-TITE 2008 RISER AND LID. ADDITIONAL RISERS AVAILABLE. OPSD AND PUMP ACCESS LIDS AVAILABLE.

BOYD BROS concrete products

27650L SINGLE-COMPARTMENT PUMP TANK

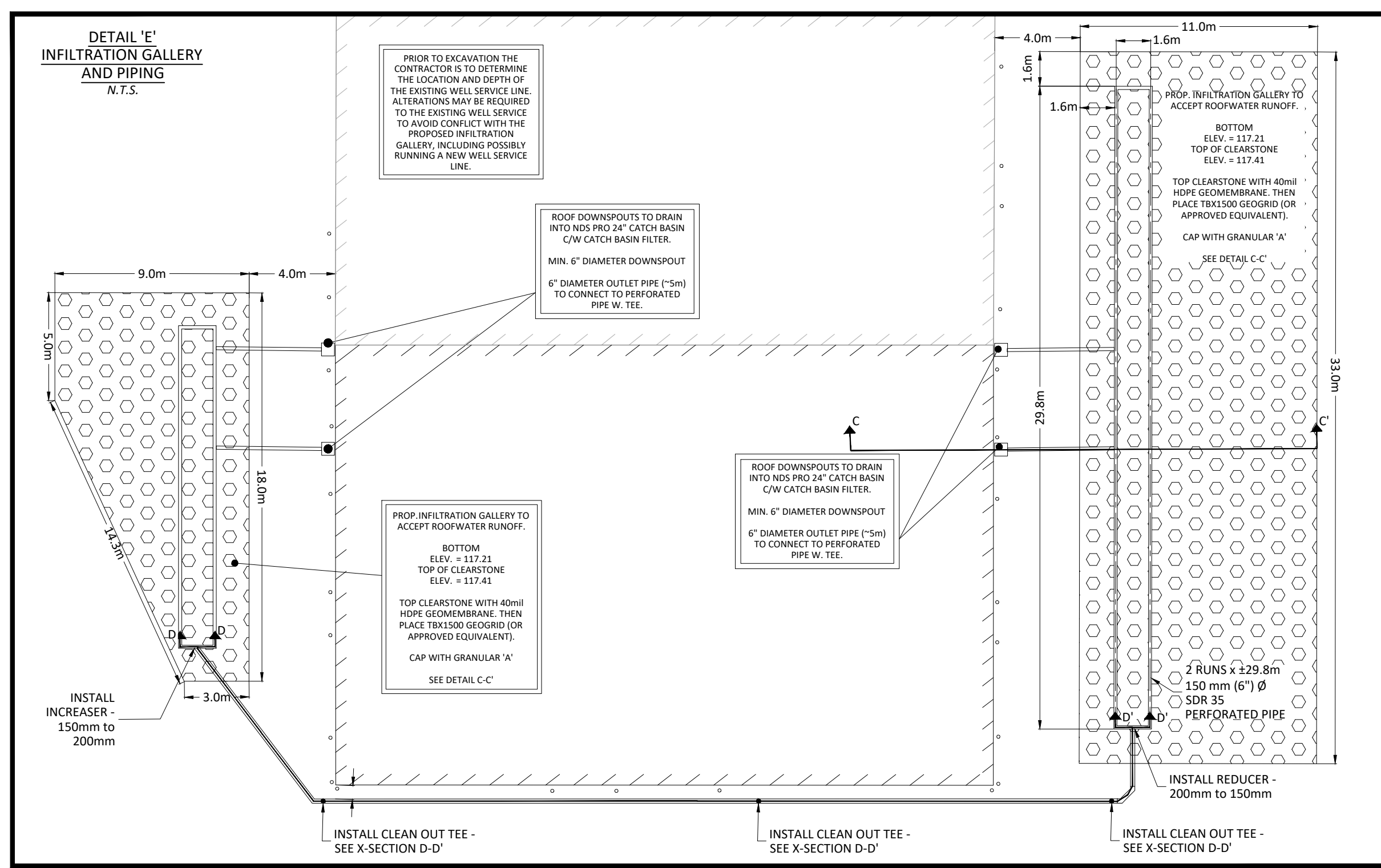
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SCALE 1:1250 REV 1.0 DATE JAN 3, 2018



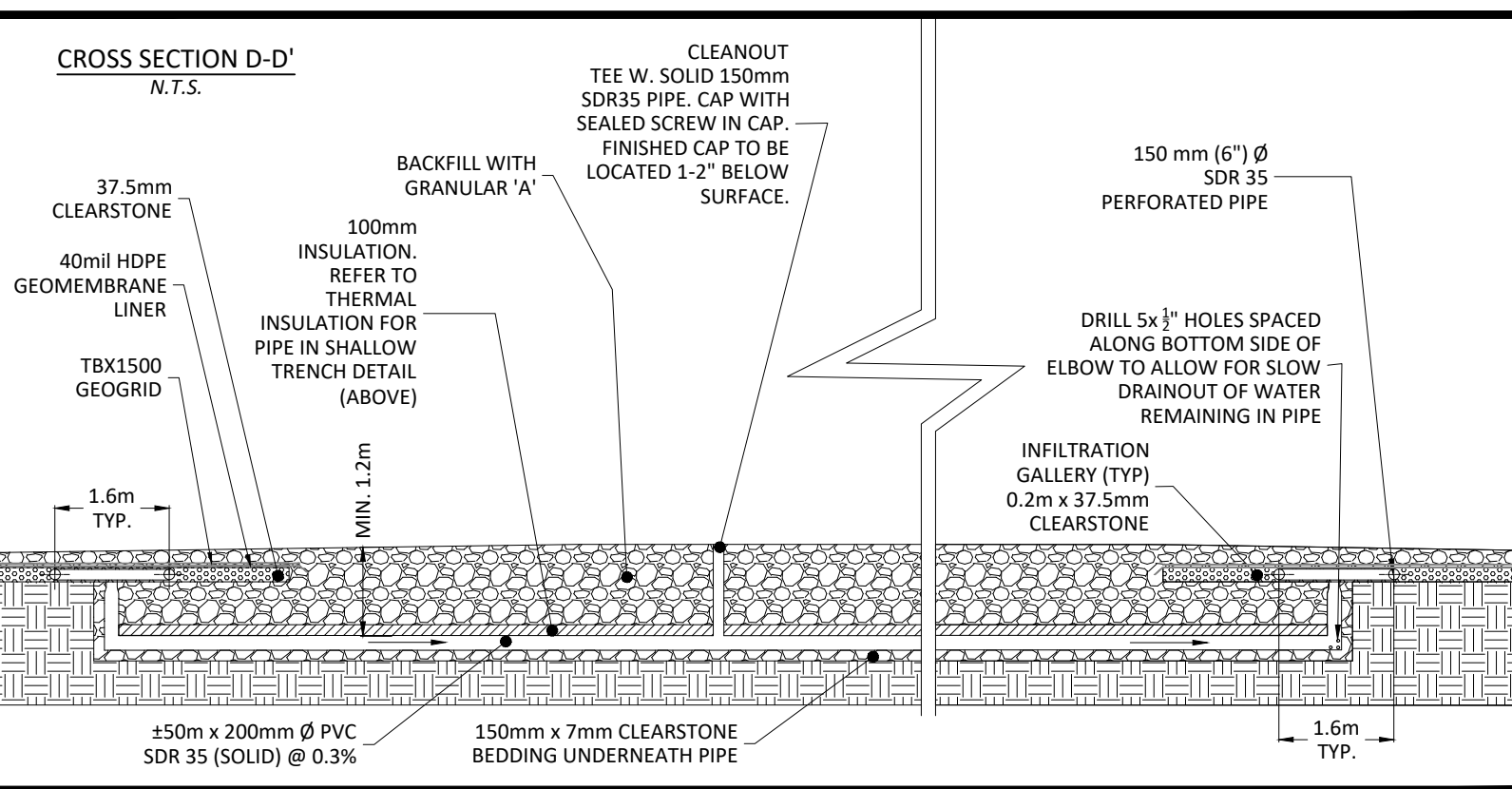
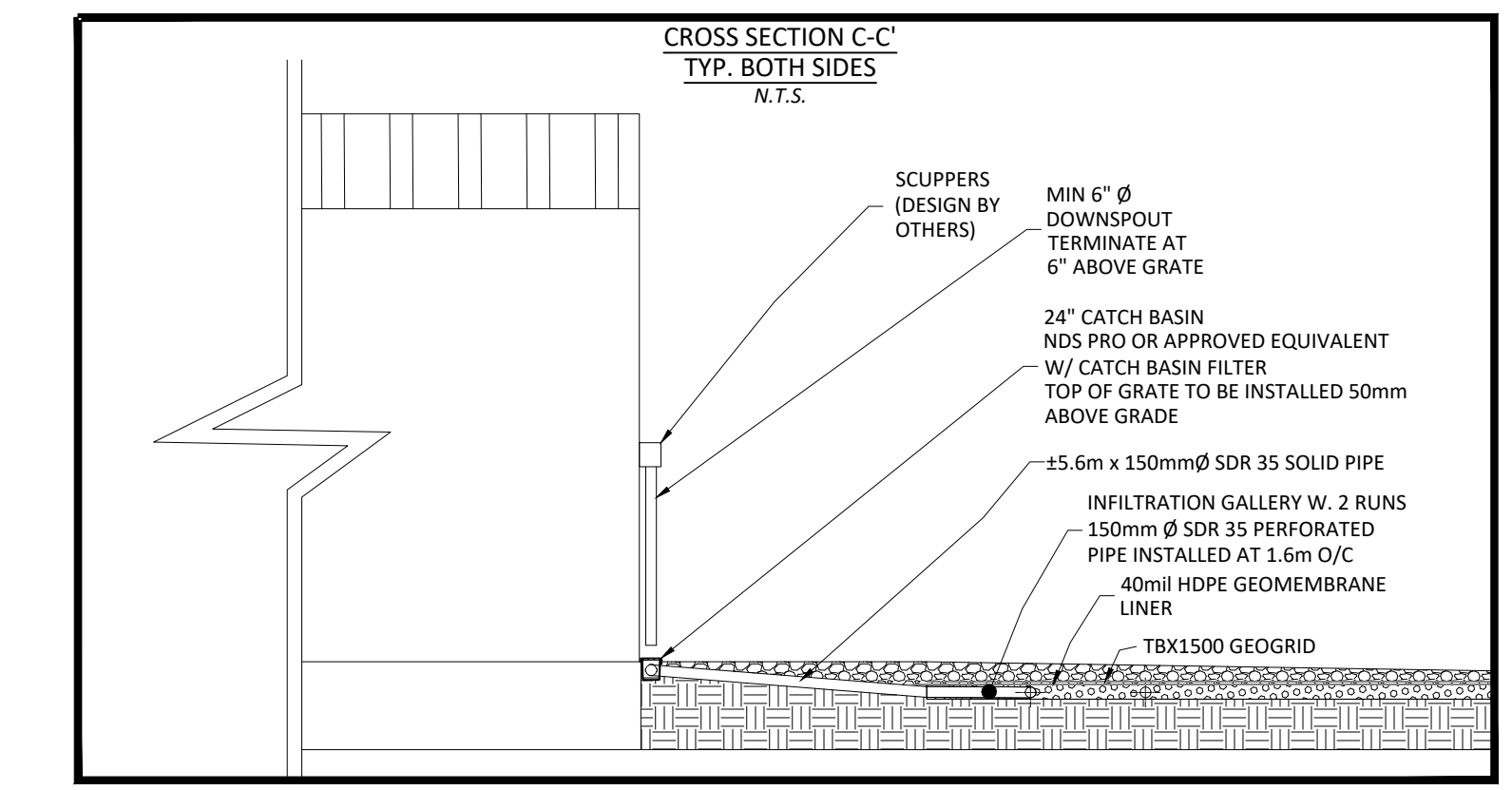
ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2021 Rev 3

HEAVY-DUTY SILT FENCE BARRIER

OPSD 219.130



INFILTRATION GALLERY DETAILS
N.T.S.



REV. #	REVISION DESCRIPTION	DATE
05	REVISED PER CITY COMMENTS	JAN 30, 2026
04	REVISED PER CITY + MVCA COMMENTS	SEP 25, 2025
03	ISSUED FOR CONSTRUCTION	APR 1, 2025
02	SUBMITTED W. REVISED PLANS	JAN 27, 2025
01	SUBMITTED W. REVISED PLANS	NOV 25, 2024
00	SUBMITTED W. REVISED PLANS	NOV 30, 2023

STAMP

PROFESSIONAL ENGINEER
M. K. SHADE
100170955
JAN 30, 2026
PROVINCE OF ONTARIO

PROJECT TITLE **WHELAN TRUCK REPAIR - BUILDING ADDITION**

PROJECT ADDRESS **158 CARVEVO ROAD CARP, ON K0A 1L0**

DRAWING TITLE **MISC. DETAILS & CROSS-SECTIONS**

DRAWING NO. **2 OF 3**