

**GENERAL NOTES:**

1. ALL MATERIALS AND CONSTRUCTION METHODS TO THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARD DRAWINGS.
2. ALL UNITS ARE IN METERS OR MILLIMETRES UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND TRENCHING ALONG WITH BACKFILL TO STANDARDS SPECIFIED.
4. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY EXP SERVICES INC. DATED JANUARY 27, 2017 AND SEPTEMBER 2, 2022 PAVEMENT STRUCTURE LETTER, INFORMATION CONTAINED IN THIS REPORT DOES NOT CONSTITUTE A DESIGN. THE CONTRACTOR SHALL CONSULT WITH THE GEOTECHNICAL ENGINEER FOR ANY CONDITIONS AT THEIR OWN DISCRETION. NO CLAIM FOR EXTRA COSTS SHALL BE MADE IF SURFACE OR SUBSURFACE CONDITIONS VARY FROM THOSE INDICATED IN THE GEOTECHNICAL REPORT.
5. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
6. AS-BUILT DRAWINGS WILL BE MAINTAINED ON SITE BY THE CONTRACTOR.
7. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL UTILITIES AND UTILITY COMPANIES CONCERNED FOR ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM DAMAGE.
8. CONTRACTOR TO REMOVE ALL UNSOUND MATERIAL FROM THE SITE (I.E. STUMPS, LARGE ROOTS, ETC.).
9. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN THE ACT.
10. THE CONTRACTOR SHALL COORDINATE AND PAY FOR ALL CONSTRUCTION RELATED PERMITS, FEES, INSPECTIONS AND APPROVALS REQUIRED BY THE MUNICIPAL AUTHORITIES.
11. ALL ELEVATIONS ARE GEODETIC AND UNIQUE METRE UNITS.
12. THE CONTRACTOR SHALL COMPLETE ALL PRE-CONSTRUCTION UNDERGROUND UTILITY LOCATES AND COMPLETE ALL LAYOUT REQUIRED FOR CONSTRUCTION AND CHECKING.
13. ALL ROADS AND DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVINCIAL AND MUNICIPAL STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED IN THE DRAWING DETAILS.
14. THE CONTRACTOR SHALL REINSTATE TO EXISTING CONDITIONS OR BETTER ALL AREAS DISTURBED DURING THE PERFORMANCE OF THE WORK.
15. DESIGN ELEVATIONS AS GIVEN ON THESE PLANS ARE TO BE ADHERED TO WITH NO CHANGES WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER AND APPROPRIATE CITY OF OTTAWA STAFF.
16. ALL PRIVATE PROPERTY ENCLOSED UPON DURING CONSTRUCTION TO BE REINSTATED TO ORIGINAL CONDITION OR BETTER.
17. ALL DISTURBED AREAS TO BE REINSTATED TO EQUAL OR BETTER CONDITION. ALL NEW WORK SHALL BE INTO EXISTING.
18. ALL GROUND SURFACES SHALL BE PROPERLY GRADED WITHOUT POINING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SMALL OR CATCH-BASIN OUTLETS ARE PROVIDED.
19. PERIMETER AND UNDERLOOR FOUNDATION DRAINS SHALL BE PROVIDED FOR BUILDINGS WITH BASEMENTS. REFER TO GEOTECHNICAL REPORT: PERIMETER DRAIN/UNDERLOOR DRAINAGE SYSTEM SHALL SLOPE TO THE STORM LARVENS.
20. NO SNOW DUMPING IS PERMITTED WITHIN THE HYDRO ONE EASEMENT CORRIDOR. SNOW MUST BE REMOVED OFF PARKING SURFACES AND DISPOSED OF OUTSIDE THE EASEMENT. SNOW DUMPING STONS MUST BE INSTALLED AROUND THE PARKING LOT AREAS.
21. CULVERTS SHOULD BE IMBEDDED A MINIMUM OF 10% OF THEIR DIAMETER.
22. THE CONTRACTOR IS REQUIRED TO SCHEDULE AND CO-ORDINATE ALL WORKS WITH UTILITY COMPANIES, MUNICIPAL AUTHORITIES AND OTHER CONSTRUCTORS ON SITE.

**ROADWORK SPECIFICATIONS:**

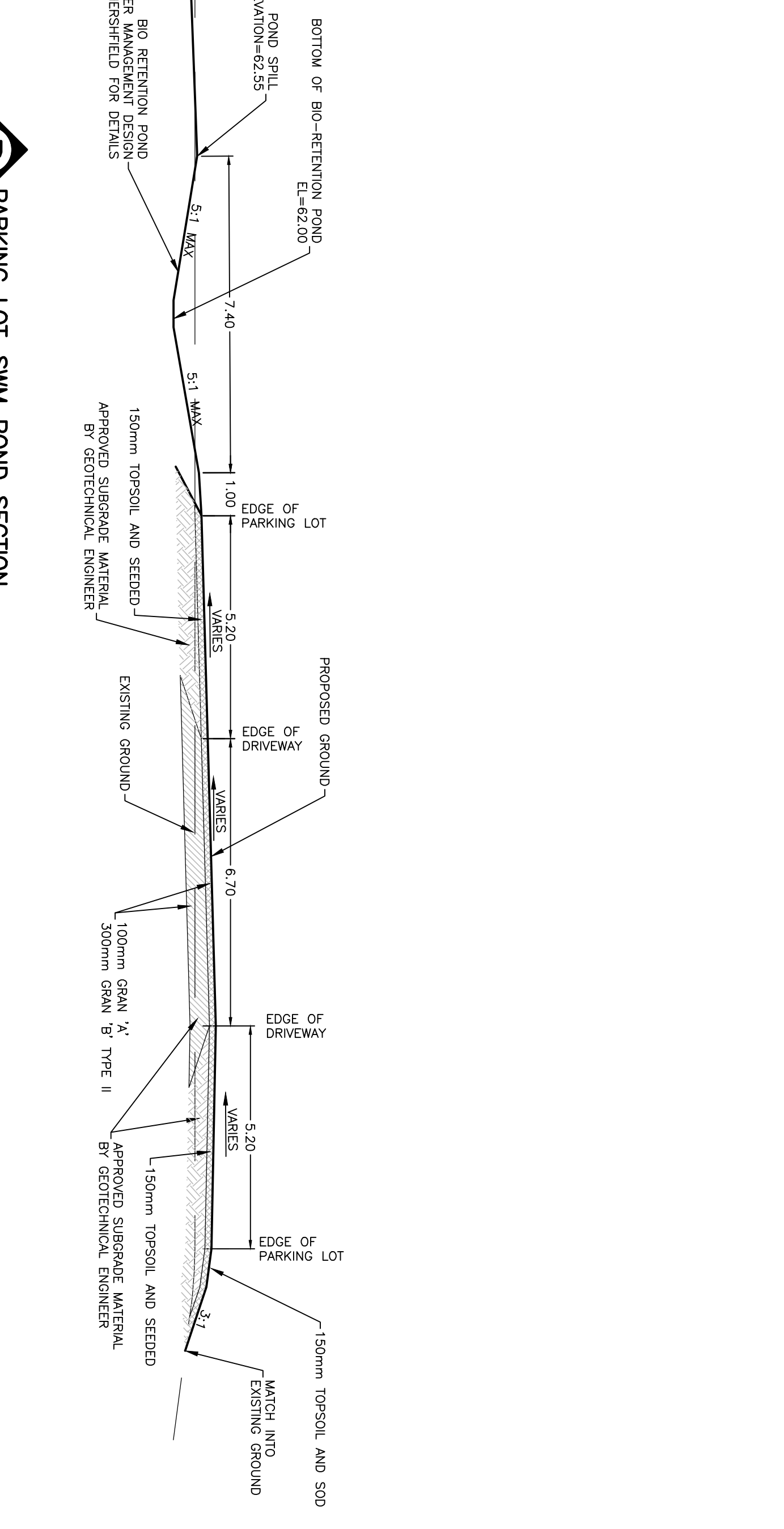
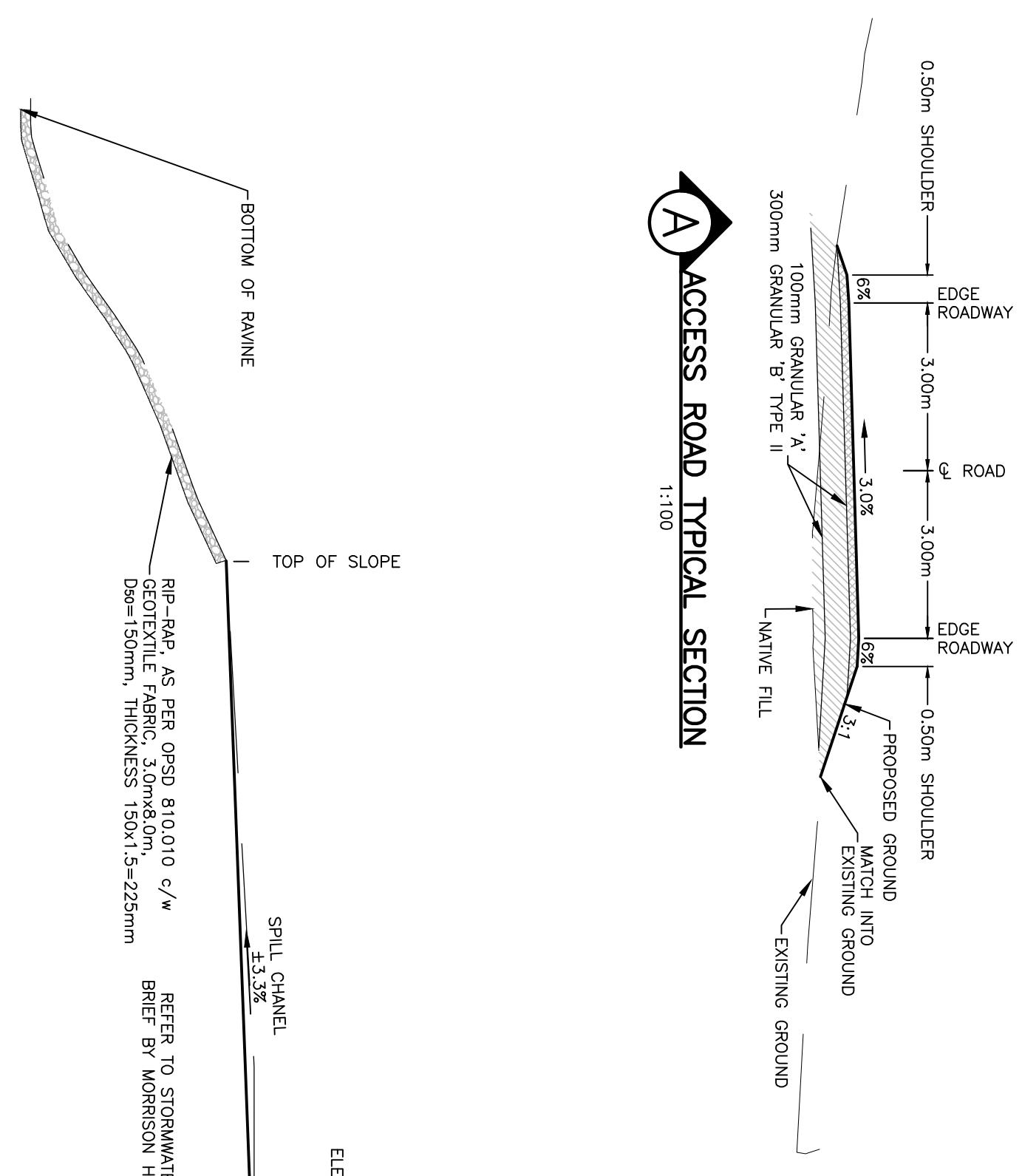
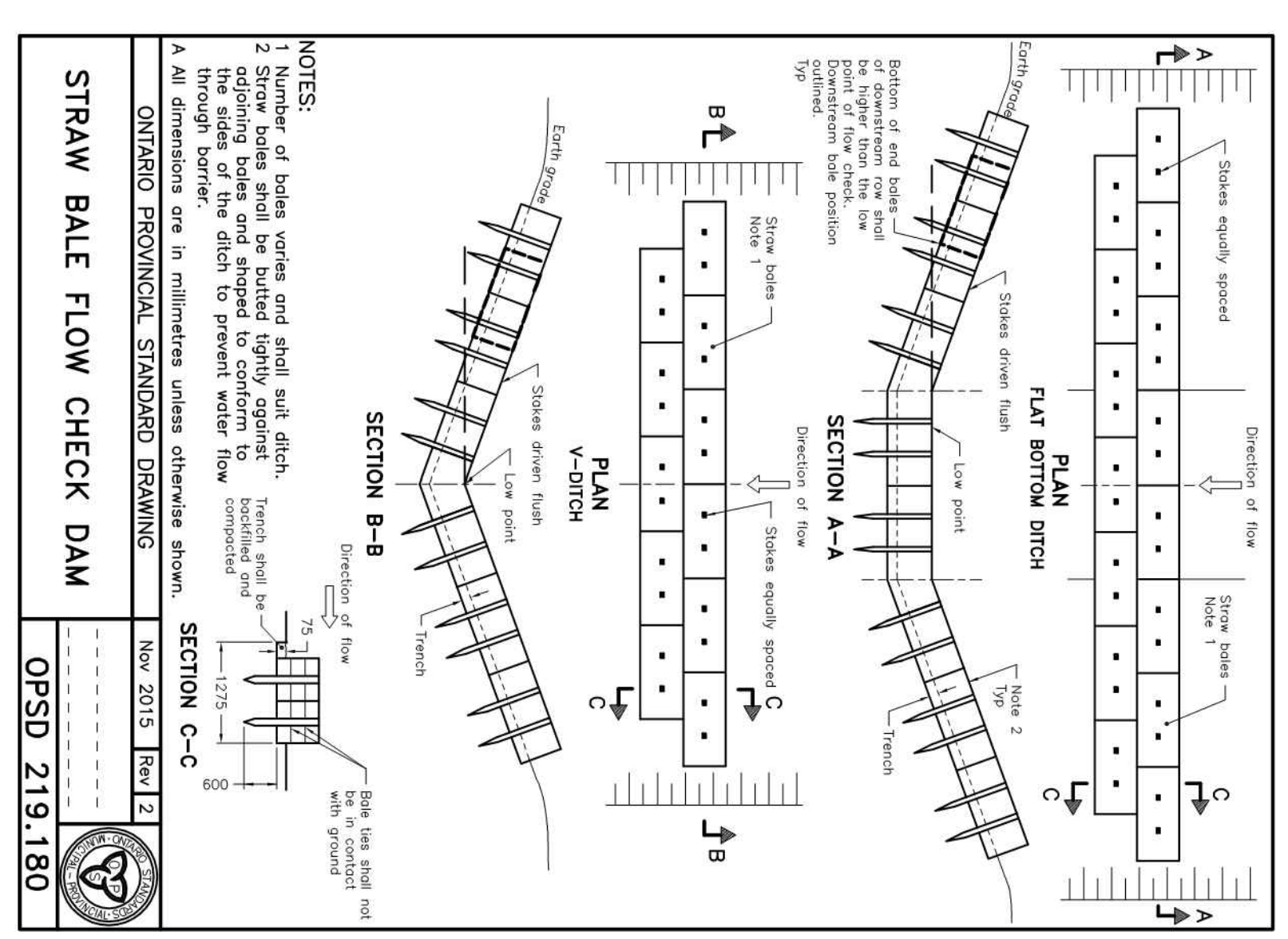
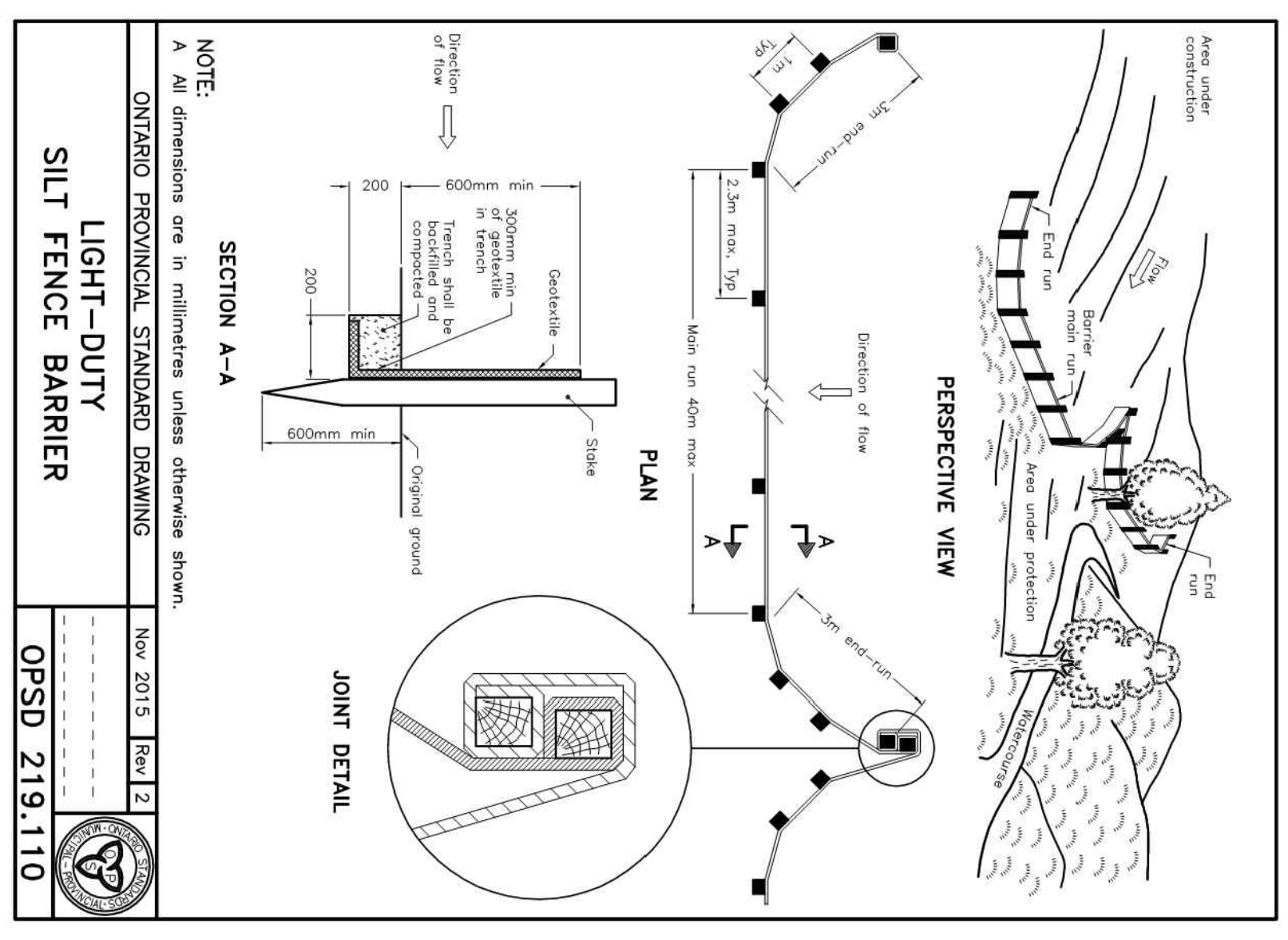
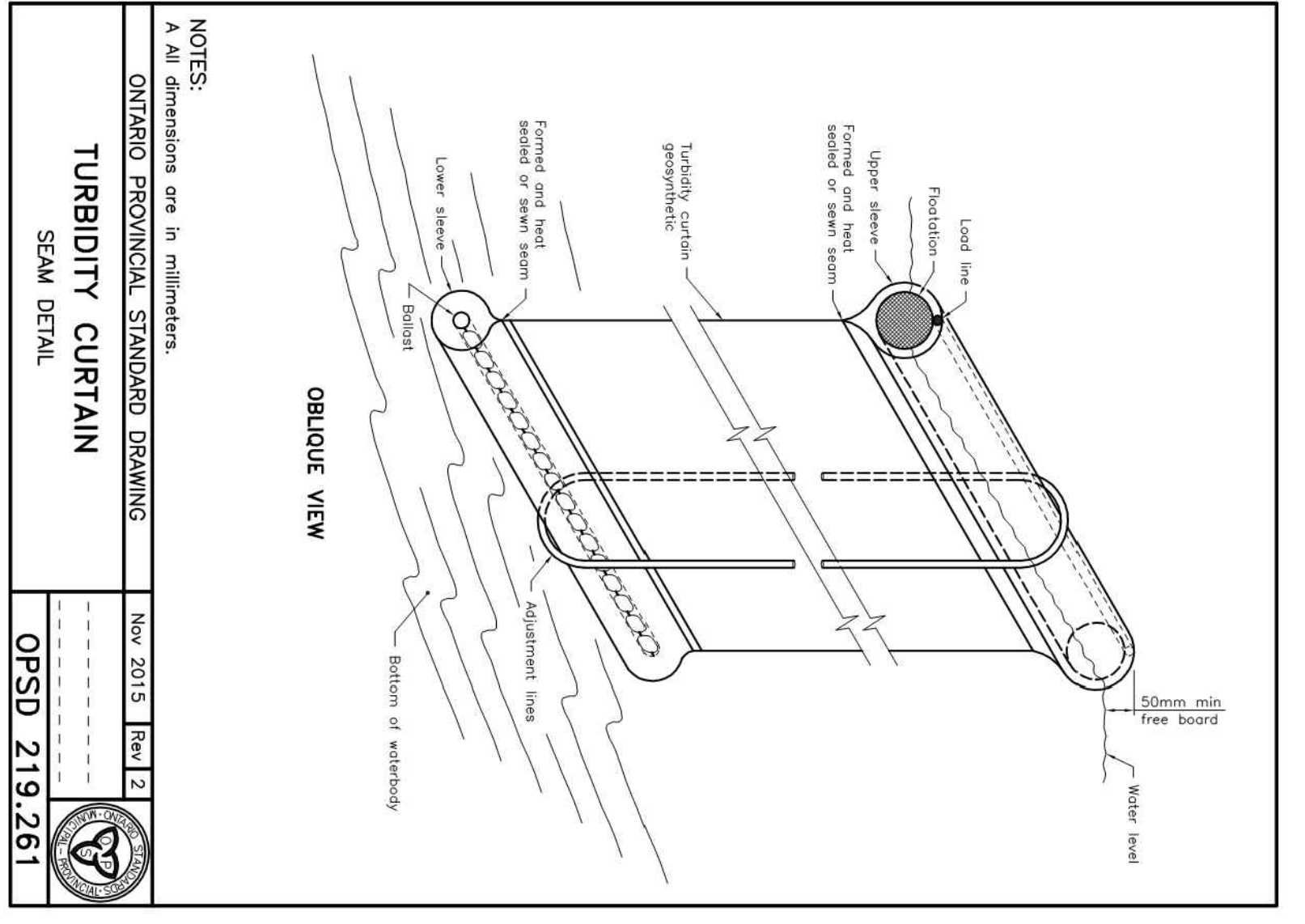
1. ROADWORK TO BE COMPLETED IN ACCORDANCE WITH LATEST GEOTECHNICAL REPORT, PREPARED EXP SERVICES INC.
2. ALL TRENCH AND GRADING MATERIAL SHALL BE STRIPPED WITHIN THE ROADWAY AND PAVING LOTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND STOCK PILED ON-SITE AS DIRECTED BY THE ENGINEER.
3. THE SUBGRADE SHALL BE CROWNED AND SLOPED AT LEAST 2% AND PROOF ROLLED WITH A HEAVY ROLLER.
4. SUB-EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' TYPE II COMPACTED IN MAXIMUM 300MM LIFTS.
5. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY MAXIMUM DRY DENSITY (SPMDD).

**DEVELOPMENT NOTES:**

1. BUILDING AND SEPTIC CONSTRUCTION TO COMPLY WITH THE REQUIREMENTS OF GEOTECHNICAL REPORT PREPARED BY EXP SERVICES INC. DATED JANUARY 27, 2017 AND THE HYDROLOGICAL TERRAIN ANALYSIS AND IMPACT ASSESSMENT PREPARED BY EXP SERVICES INC. DATED JANUARY 25, 2017, REVISED JULY 20, 2017.

**STORM SEWERS:**

1. ALL STORM SEWER SERVICES, MATERIALS AND INSTALLATION SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS AND SPECIFICATIONS.
2. SEWER BEDDING AS PER CITY STANDARD S6 & S7 GRANULAR 'A' BEDDING TO BE INCREASED TO 300MM WHERE SEWERS ARE BELOW THE GROUNDWATER TABLE AS PER GEOTECHNICAL REPORT.
3. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN ACCORDANCE WITH OPSD 802.010 AND 802.013.
4. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
5. CULVERTS SHOULD BE IMBEDDED A MINIMUM OF 10% OF THEIR DIAMETER.



NO.		REVISION DESCRIPTION		DATE	BY	APPD.	NO.	REVISION DESCRIPTION		DATE	BY	APPD.
8		ISSUED FOR PHASE 1A SUBMISSION		17/08/22	SAB	BMT	1	ISSUED FOR CLIENT REVIEW		03/06/16	SAB	BMT
9		ISSUED FOR PHASE 1B SUBMISSION		02/09/22	SAB	BMT	2	ISSUED FOR SITE PLAN APPROVAL		05/06/16	SAB	BMT
							3	REVISED AS PER CITY COMMENTS		25/07/17	SAB	BMT
							4	REVISED SEPTIC BED		25/07/17	SAB	BMT
							5	CITY STAMP ADDED		13/12/17	SAB	BMT
							6	ISSUED FOR SITE PLAN AMENDMENT		03/12/21	JH	BMT
							7	REVISED PER CITY COMMENTS		26/04/22	JH	BMT
SCALE												
AS NOTED												
<b>HUMANICS UNIVERSAL INC.</b> 601 BROOKRIDGE CRES ORLEANS, ON K4A 1Z6, 613-824-1525												
<b>HUMANICS SANCTUARY</b> 3400/3468 OLD MONTREAL ROAD ORLEANS, ONTARIO.												
<b>DETAILS AND NOTES</b> PHASE 1B												
DET-1B												