

GENERAL NOTES AND SPECIFICATIONS

1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD AND SUPPLEMENT, ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
4. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 300.010 AND OPSB 310.
5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
6. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT BE LIMITED TO CATCH BASIN INSERTS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
7. TOPOGRAPHIC SURVEY SUPPLIED BY ANMS, O'SULLIVAN, VOLLEBEKK LTD. PROJECT NO. 2429-24. ORIGINAL DATE AUGUST 27, 2024. AMENDED SEPTEMBER 23, 2025. TOPOGRAPHIC PLAN OF SURVEY, PART OF LOT 28 CONVESSION 4 (RURAL FRONT), GEOGRAPHIC TOWNSHIP OF GLOUCESTER, CITY OF OTTAWA.
8. REFER TO LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (e.g. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES, ETC.)
9. STREET LIGHTING TO CITY OF OTTAWA STANDARDS.
10. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
11. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR AND DIRECTOR OF ENGINEERING HAS BEEN OBTAINED.
12. HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY BURIED ARCHEOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.
13. DRAWINGS TO BE READ IN CONJUNCTION WITH SITE SERVING AND STORMWATER MANAGEMENT REPORT PREPARED BY STANTEC CONSULTING LTD. TITLED 5360 BANK STREET, PROJECT NO. 160401995, SEPTIC SYSTEM IMPACT ASSESSMENT (TERMINAL AREA, NO. 160-200-0000 AND SITE PLAN FOR CONSTRUCTION, 5360 BANK STREET, PREPARED BY PATERSON GROUP, FILE NO. PH444-1-LET-01 DATED FEB 24, 2025 AND DRAWINGS PREPARED BY PATERSON GROUP PH444-1-REV1 AND PH444-1-2 REV1 AND PH444-1-REV1.

14. EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.
15. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD P-10, AND OPSD 300.010 AND OPSB 310.
16. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRIER OR MOUNTABLE CURBS AS SHOWN ON DRAWINGS).
17. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC3 AND SC1.4.
18. WATERMAIN PIPE MATERIAL SHALL BE PVC CL 150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2" OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMANS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.
19. WATER SERVICES ARE TO BE TYPE K SOFT COPPER OR PE-X AS PER CITY OF OTTAWA STANDARD W40 UNLESS OTHERWISE NOTED. WATER SERVICE TO EXTEND 1.0M BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE.
20. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W18 AND W19.
21. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.
22. WATERMAIN TRENCH SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER SHALL BE PER SECTION 6.4 OF THE GEOTECH REPORT.
23. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 240mm FROM ANY CURB, BASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CDS ON THE W/M STREET SIDE WHERE 900mm SEPARATION CANNOT BE ACHIEVED (AS PER CITY OF OTTAWA W22 & W23).
24. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.
25. THURST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W02.3 AND W02.4.
26. WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.
27. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W25 AND W26.2.
28. PRESSURE REDUCING VALVES (PRVs) IF REQUIRED, TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.

STORM AND SANITARY SEWERS

1. SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC DR33. SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.
2. STORM SEWERS 375mm DIA. OR SMALLER SHALL BE PVC DR33. STORM SEWERS LARGER THAN 375mm DIA. SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.
3. ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER SECTION 6.4 OF THE GEOTECH REPORT.
4. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-70.01 UNLESS OTHERWISE NOTED. 4m FRAME AND COVER AS PER CITY OF OTTAWA S24, S24.1 AND S25 WHERE APPLICABLE. CATCH BASIN MANHOLE FRAME AND COVERS PER S25 AND S28.1. ALL STORM MANHOLES WITH SEWERS 900mm DIA. SEWERS AND OVER 1.5m SHALL BE BENCHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.
5. ALL SEWERS CONSTRUCTED WITH GRADES 5.0% OR LESS, TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
6. FOR STORM SEWER INSTALLATION AND PRIVATE SANITARY SEWERS EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR PUBLIC SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m.

ROADWORKS

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.
2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR B' COMPACTED IN 0.30m LAYERS.
3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMD).
4. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.
5. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND

WATER SUPPLY SERVICES

1. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISSECTION BY CITY PERSONNEL.
2. WATERMAIN PIPE MATERIAL SHALL BE PVC CL 150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2" OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMANS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.
3. WATER SERVICES ARE TO BE TYPE K SOFT COPPER OR PE-X AS PER CITY OF OTTAWA STANDARD W40 UNLESS OTHERWISE NOTED. WATER SERVICE TO EXTEND 1.0M BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE.
4. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W18 AND W19.
5. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.
6. WATERMAIN TRENCH SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER SHALL BE PER SECTION 6.4 OF THE GEOTECH REPORT.
7. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 240mm FROM ANY CURB, BASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CDS ON THE W/M STREET SIDE WHERE 900mm SEPARATION CANNOT BE ACHIEVED (AS PER CITY OF OTTAWA W22 & W23).
8. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.
9. THURST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W02.3 AND W02.4.
10. WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.
11. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W25 AND W26.2.
12. PRESSURE REDUCING VALVES (PRVs) IF REQUIRED, TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.

OVER PIPE ORVERT

1. ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
2. STORM AND SANITARY SERVICE LATERALS TO BE SDP 28 INSTALLED AT MIN. 1/2% SLOPE.
3. CATCH BASINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS S1, S2, S2.1 AND S2.2. CURB INLET FRAME AND GRATE PER S22 AND S23. CATCH BASIN MANHOLES FRAME AND GRATE AS PER S25 FRAME AND S28.1 COVER. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS 600mm DEEP. STREET CATCH BASIN LEADS SHALL BE 200mm DIA. (MIN) PVC DR 30 AT 1.0% GRADE WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASIN SHALL BE INSTALLED WITH INLET CONTROL DEVICES (CDS) AS PER CDS SCHEDULE ON STORM DRAINAGE PLAN.
4. STREET CATCH BASINS TO BE INSTALLED ON SUBDRAINS 3m LONG IN FOUR ORTHOGONAL DIRECTIONS OR LONGITUDINALLY WHEN PLACED ALONG A CURB, AND AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.
5. REAR LOT PERFORATED PIPE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S29. REAR LOT STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W36 AND W01.
6. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING S8. THE SEALS SHOULD BE AT LEAST 126m LONG IN THE TRENCH DIRECTION AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL GENERALLY. THE SEALS SHOULD EXTEND FROM THE FRONT LINE AND FULLY PENETRATE THE BEDDING. SUBDRAINING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVE CITY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 220mm THICK LAYERS COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S SPMD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE. ROUNDABOUTS AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION 1.
7. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.

1. CONTRACTOR SHALL PERFORM LEAKAGE TESTING. IN THE PRESENCE OF THE CONSULTANT. FOR SANITARY SEWERS IN ACCORDANCE WITH OPSD 410 AND OPSB 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
2. ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO CITY OF OTTAWA STANDARD S11.4.
3. STORM SEWERS WITH LESS THAN 2.0m COVER AND SANITARY SEWERS WITH LESS THAN 2.5m COVER, AND STORM OR SANITARY SEWERS WITH LESS THAN 2.0m COVER TO BE INSULATED IN ACCORDANCE WITH CITY STANDARD S35.

GRADING

1. ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 98% STANDARD PROCTOR MAX. DRY DENSITY.
2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR B' COMPACTED IN 0.15m LAYERS.
3. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH 500 mm MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
4. 100 YEAR FLOODING DEPTH TO BE 0.30m (MAXIMUM).
5. EMBANKMENTS TO BE SLOPED AT MIN. 3:1 UNLESS OTHERWISE SPECIFIED.
6. ALL SLOPES TO BE MIN. 0.15m DEEP WITH MIN. 3:1 SLOPE UNLESS OTHERWISE NOTED. THE MINIMUM LONGITUDINAL SLOPE TO BE 1.2% OR 1.0% WHEN PERFORMED SUBDRAIN IS INSTALLED.
7. ALL ROOF DOWNSPOUTS TO DISCHARGE TO THE GROUND UNTO SPLASH PADS AND SHALL NOT BE DIRECTED TO THE STORM SEWER, OR THE BUILDING FOUNDATION DRAIN.
8. TOP OF GRATE (TO) ELEVATIONS FOR ALL STREET CATCH BASINS SHOWN ON PLANS, REFER TO THE ELEVATION AT EDGE OF PAVEMENT, OR GUTTERLINE WHERE APPLICABLE.
9. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY STRUCTURAL ENGINEER.
10. FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.
11. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.

12. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR, REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
- Best Management Practices
- CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THE PROJECT.
- EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE ASAP IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:
1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
 2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
 3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
 4. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
 5. INSTALL CATCH BASIN INSERTS OR EQUIVALENT IN ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND IN ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
 6. A SILT FENCE SHALL BE INSTALLED ALONG THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. LOCATION TO BE DETERMINED.
 7. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DEPOSITED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
 8. SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINTEGRATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT EXISTING STORM AND SANITARY SEWER SYSTEMS, OR DOWNSTREAM WATERCOURSES.
 9. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
 10. CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
 11. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
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 14. STORMWATER SHALL BE COVERED WITH HYDRO-SEED AND MULCH.

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BEST MANAGEMENT PRACTICES

- CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THE PROJECT.
- EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE ASAP IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:
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 6. A SILT FENCE SHALL BE INSTALLED ALONG THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE. LOCATION TO BE DETERMINED.
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SEDIMENT CONTROL MEASURES

1. PROTECT ALL EXPOSED SURFACES AND CONTROL ALL RUNOFF DURING CONSTRUCTION.
2. ALL EROSION CONTROL MEASURES TO BE IN PLACE BEFORE STARTING CONSTRUCTION AND REMAIN IN PLACE UNTIL RESTORATION IS COMPLETE.
3. MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION.
4. ALL COLLECTED SEDIMENT TO BE DEPOSITED IN AN APPROVED LOCATION.
5. MINIMIZE AREA DISTURBED DURING CONSTRUCTION.
6. ALL DEWATERING TO BE DEPOSITED IN AN APPROVED SEDIMENTATION BASIN.
7. PROTECT ALL CATCH BASINS, MANHOLES AND PIPE ENDS FROM SEDIMENT INTRUSION WITH GEOTEXTILE (TERRAFLIX 270R OR APPROVED EQUIVALENT), UNLESS OTHERWISE SPECIFIED.
8. KEEP ALL SUMPS CLEAN DURING CONSTRUCTION.
9. PREVENT WIND-ERODIBLE DUST.
10. STRAW BALES TO BE USED IN LOCATED AREAS AS SHOWN AND AS DIRECTED BY THE CONTRACT ADMINISTRATOR DURING CONSTRUCTION.
11. CONSTRUCT TEMPORARY MEASURES TO CONTROL SILT ENTERING THE STORM DRAINAGE SYSTEM TO THE SPECIFICATIONS OUTLINED IN THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES PREPARED BY THE MINISTRY OF NATURAL RESOURCES. THESE MEASURES ARE TO BE INSTALLED PRIOR TO COMMENCING ANY CONSTRUCTION AND ARE TO REMAIN IN PLACE UNTIL CONSTRUCTION HAS BEEN COMPLETED TO THE SPECIFICATIONS OF THE CITY ENGINEER.
12. ALL OF THE ABOVE NOTES AND ANY SEDIMENT AND EROSION CONTROL MEASURES ARE AT THE MINIMUM TO BE IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES.
13. ALL SILT FENCINGS AND DETAILS ARE AT THE MINIMUM TO BE CONSTRUCTED IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES.
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CONTINGENCY SEDIMENT CONTROL MEASURES

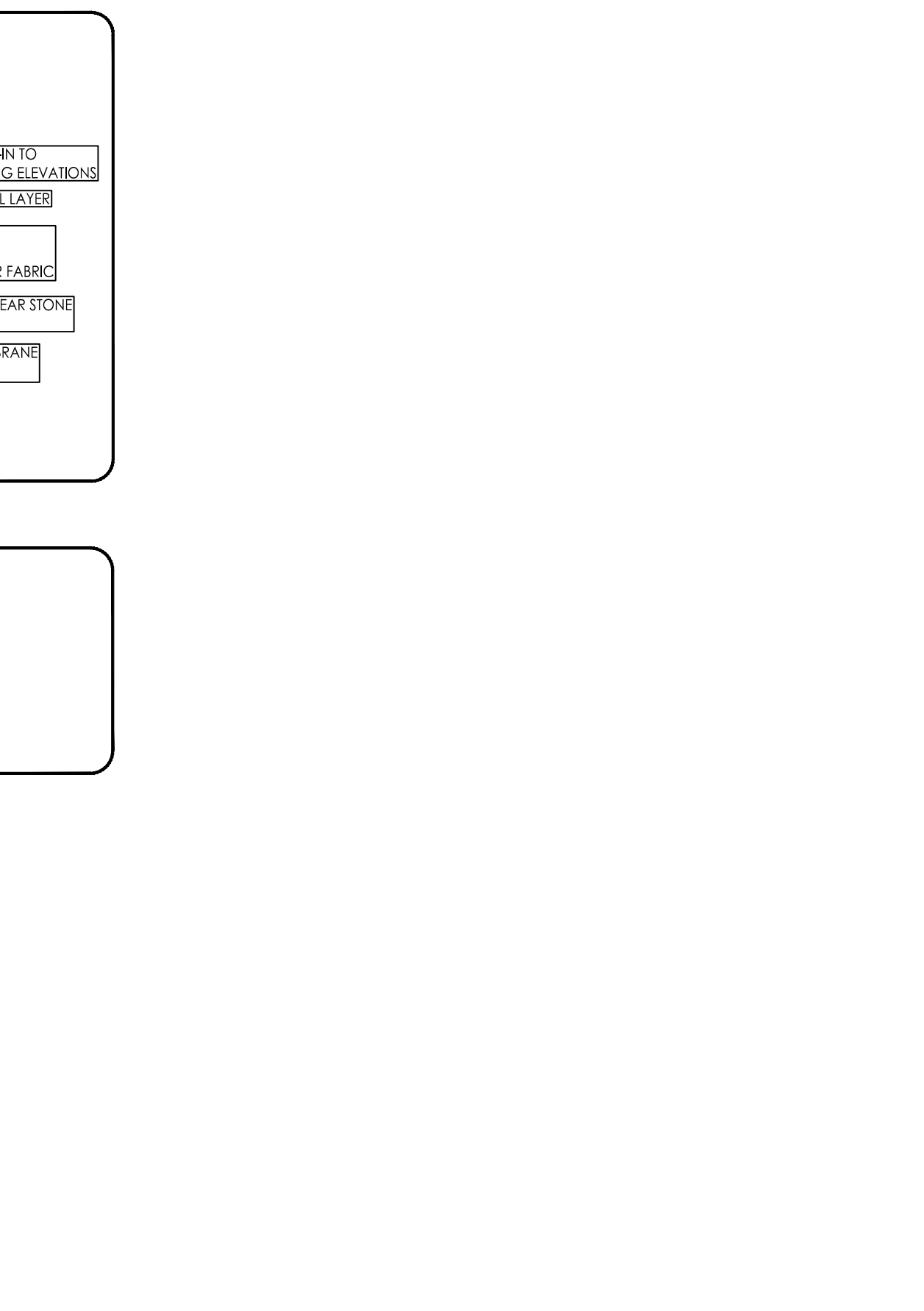
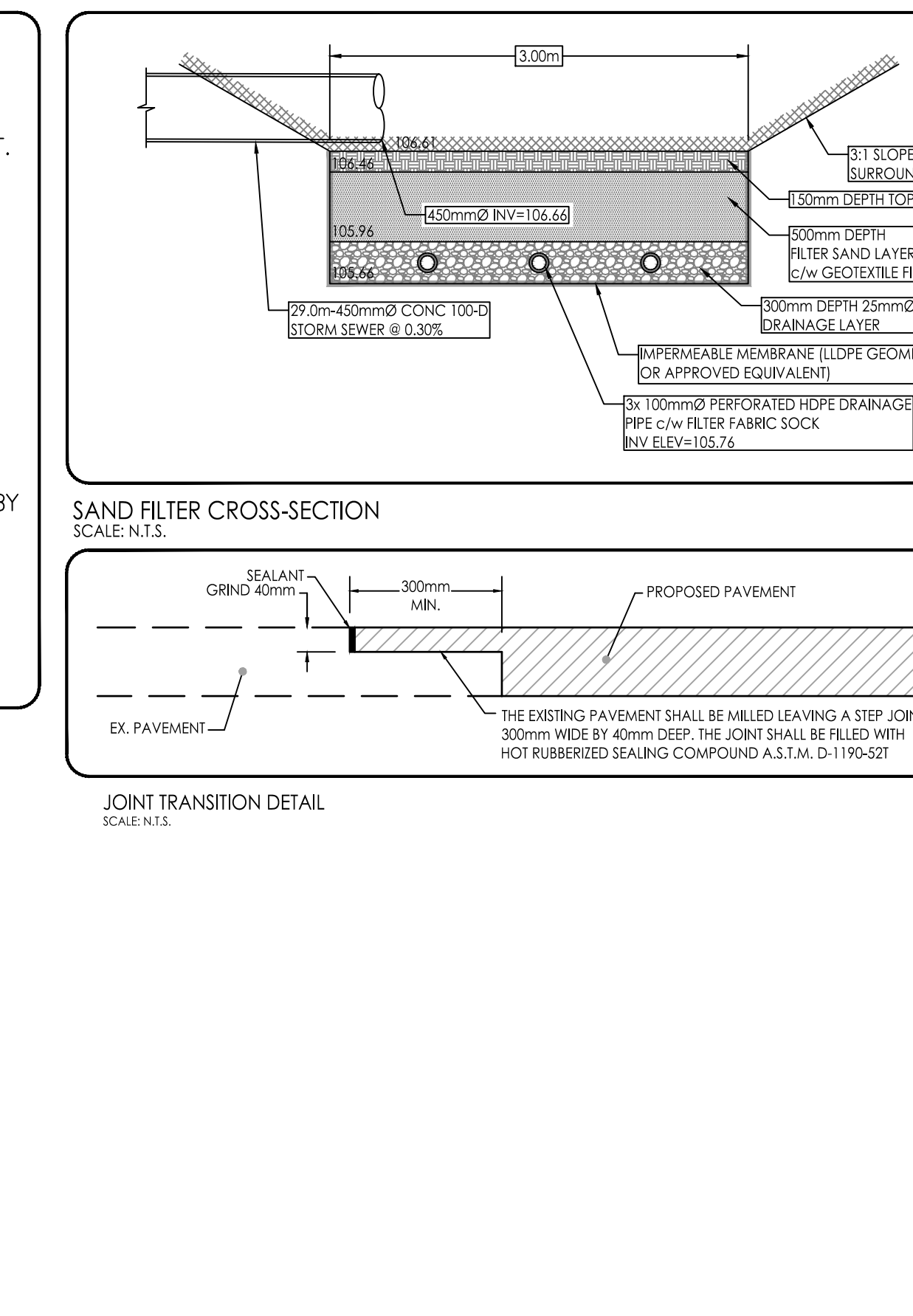
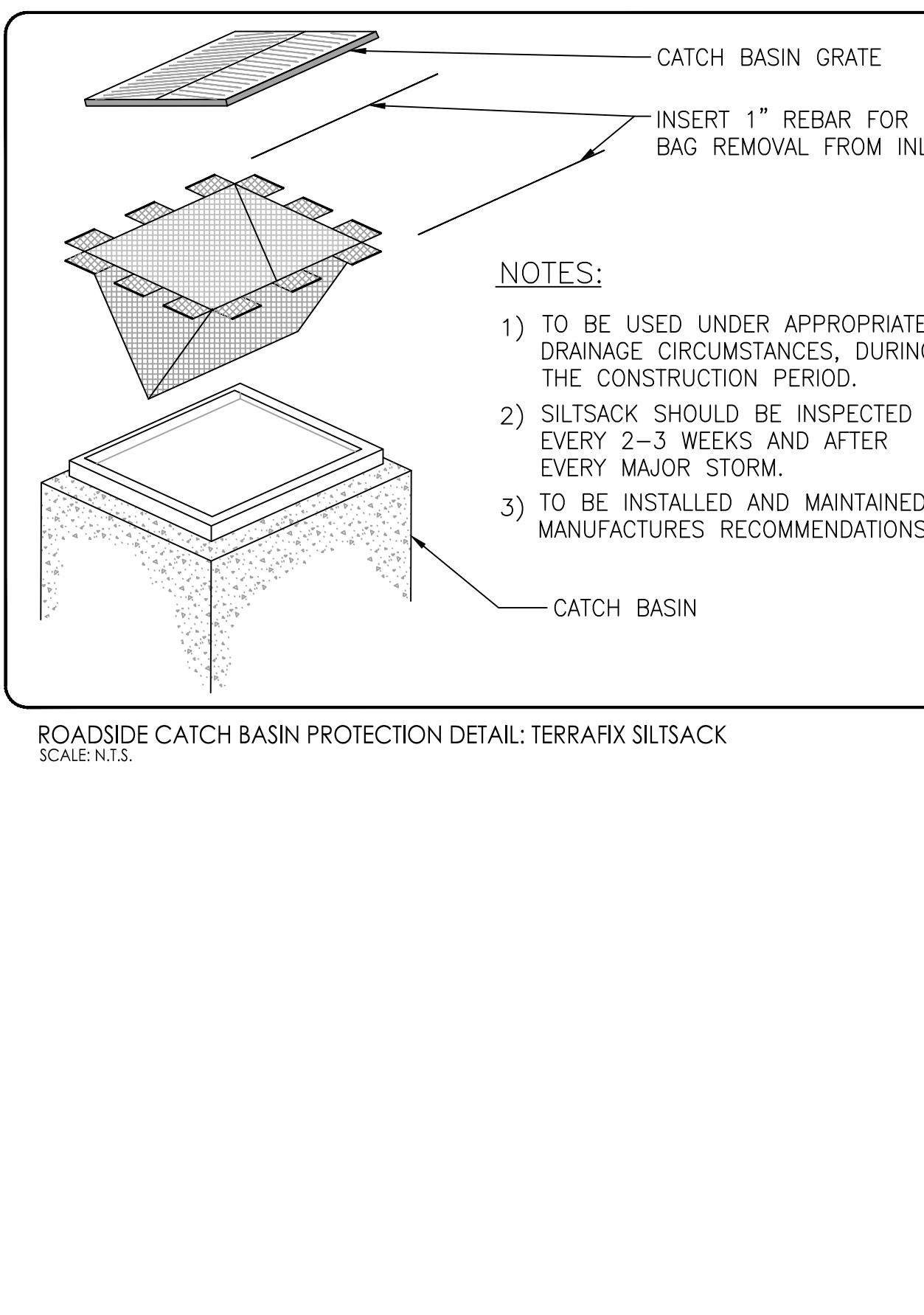
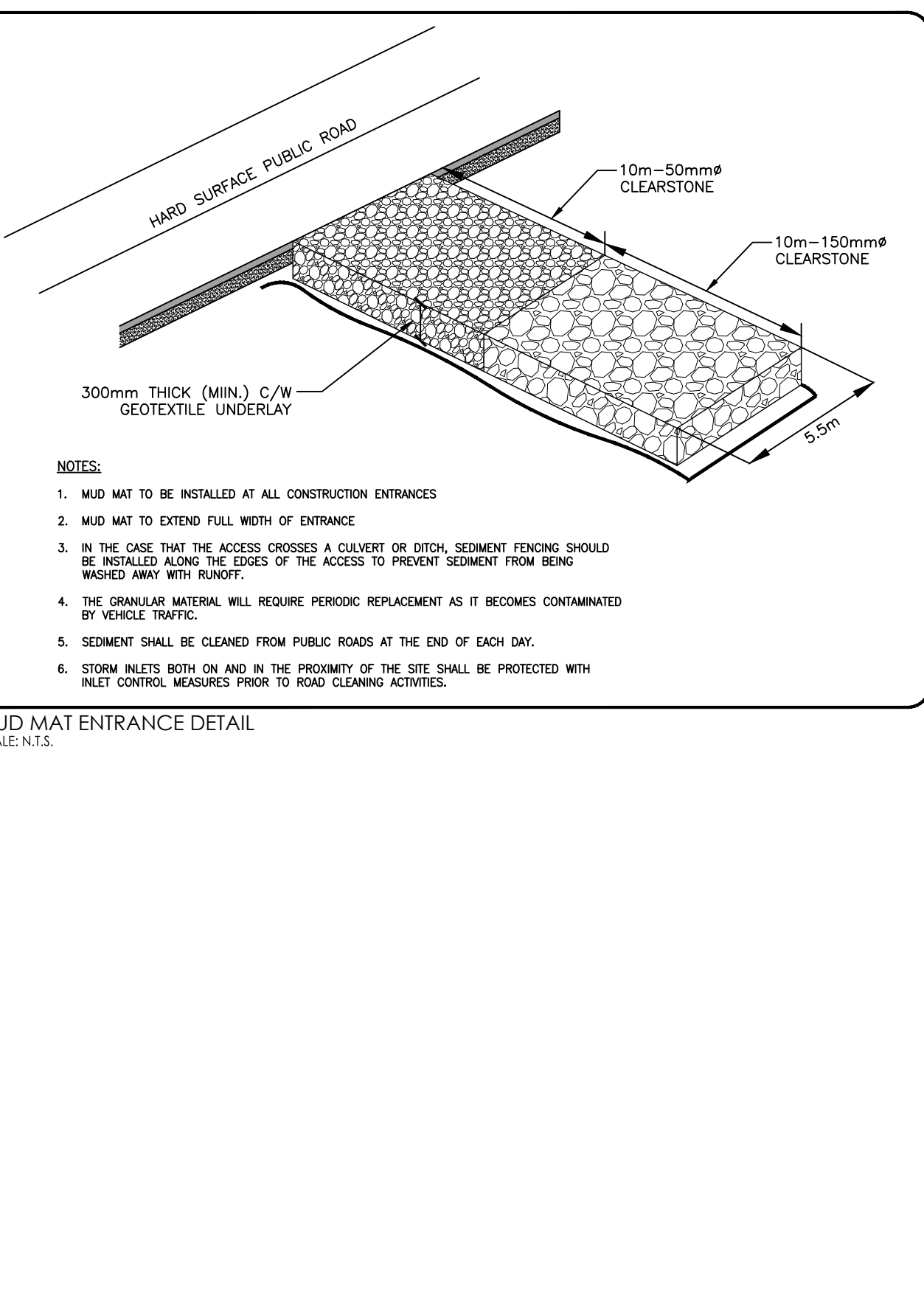
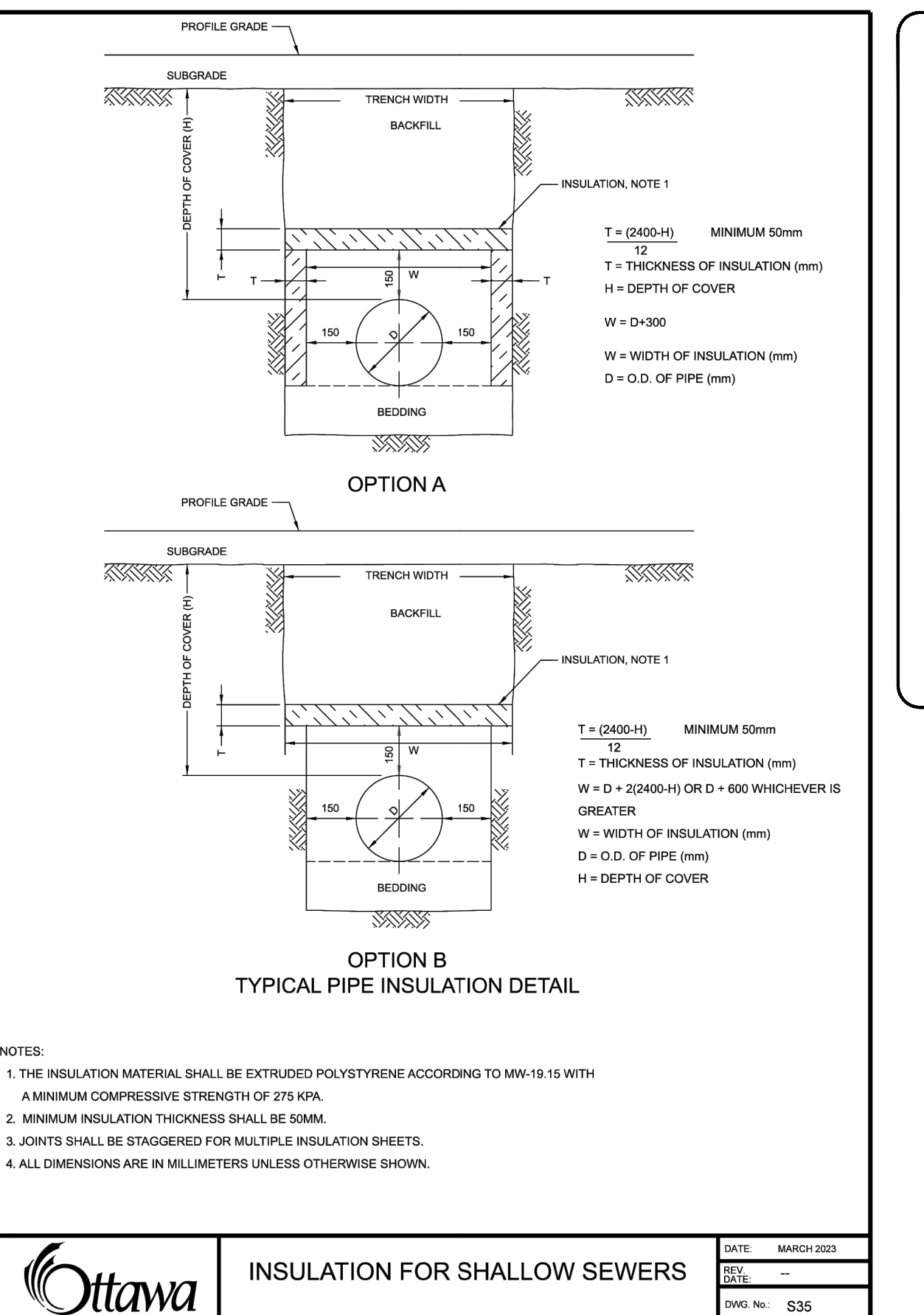
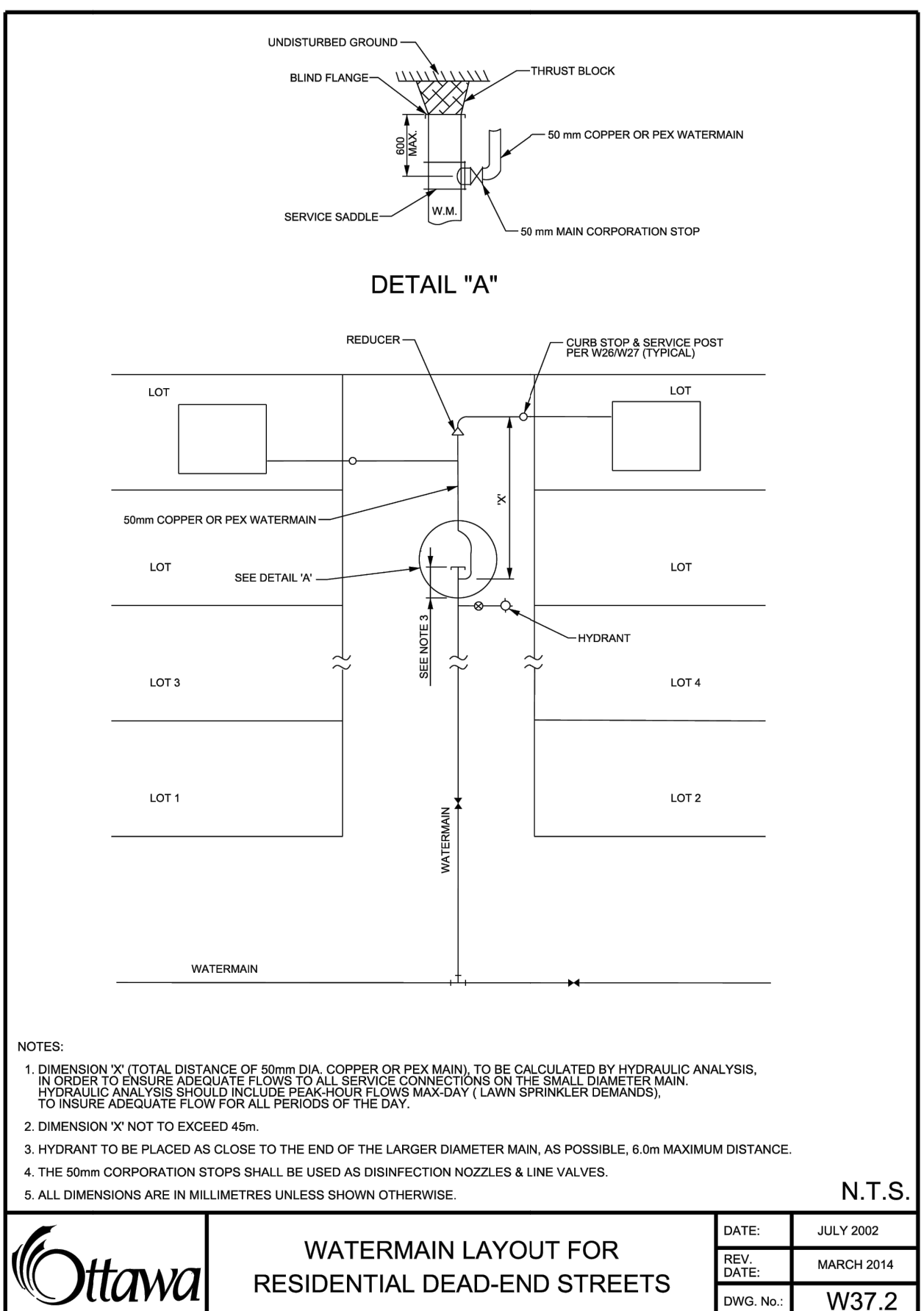
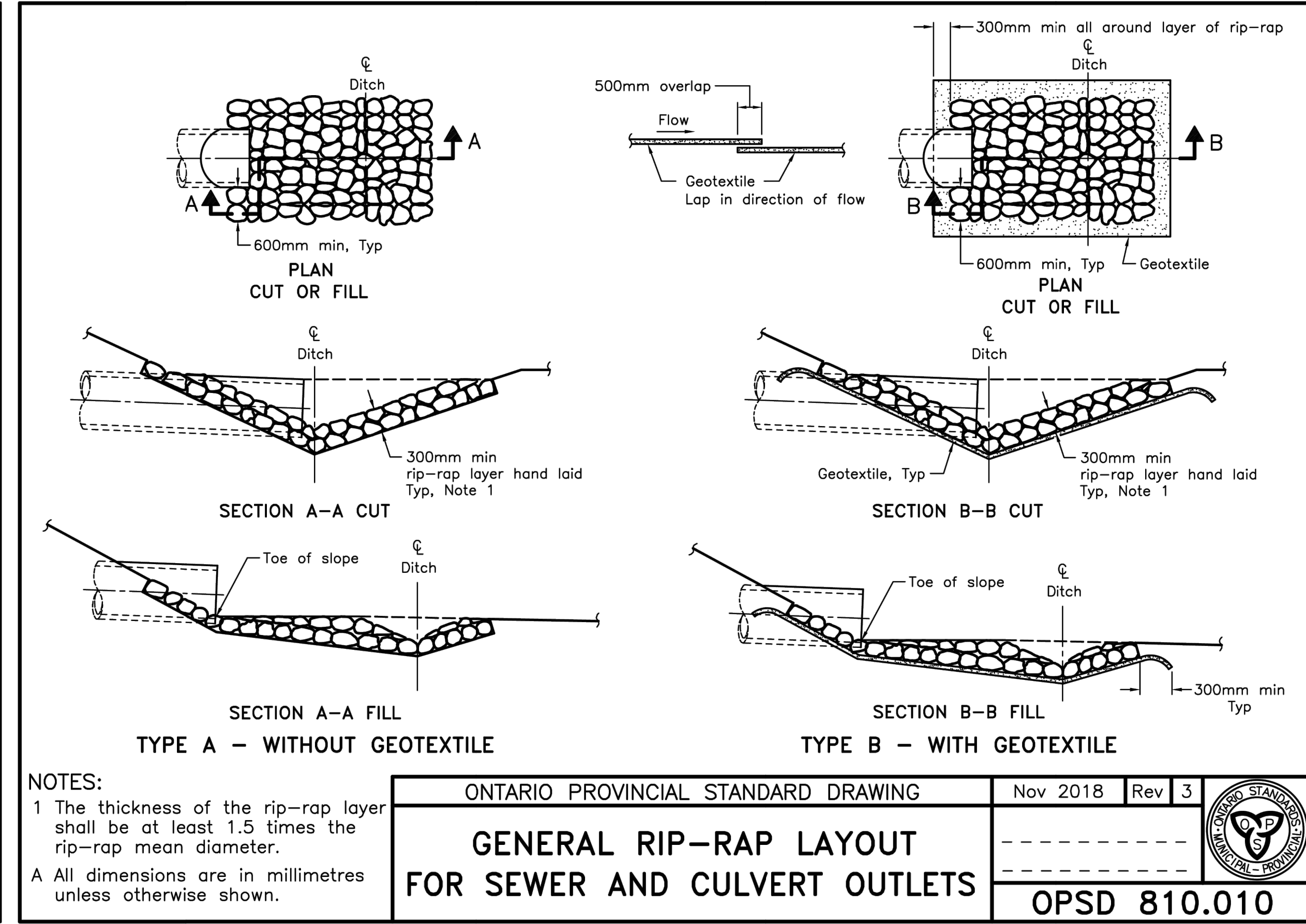
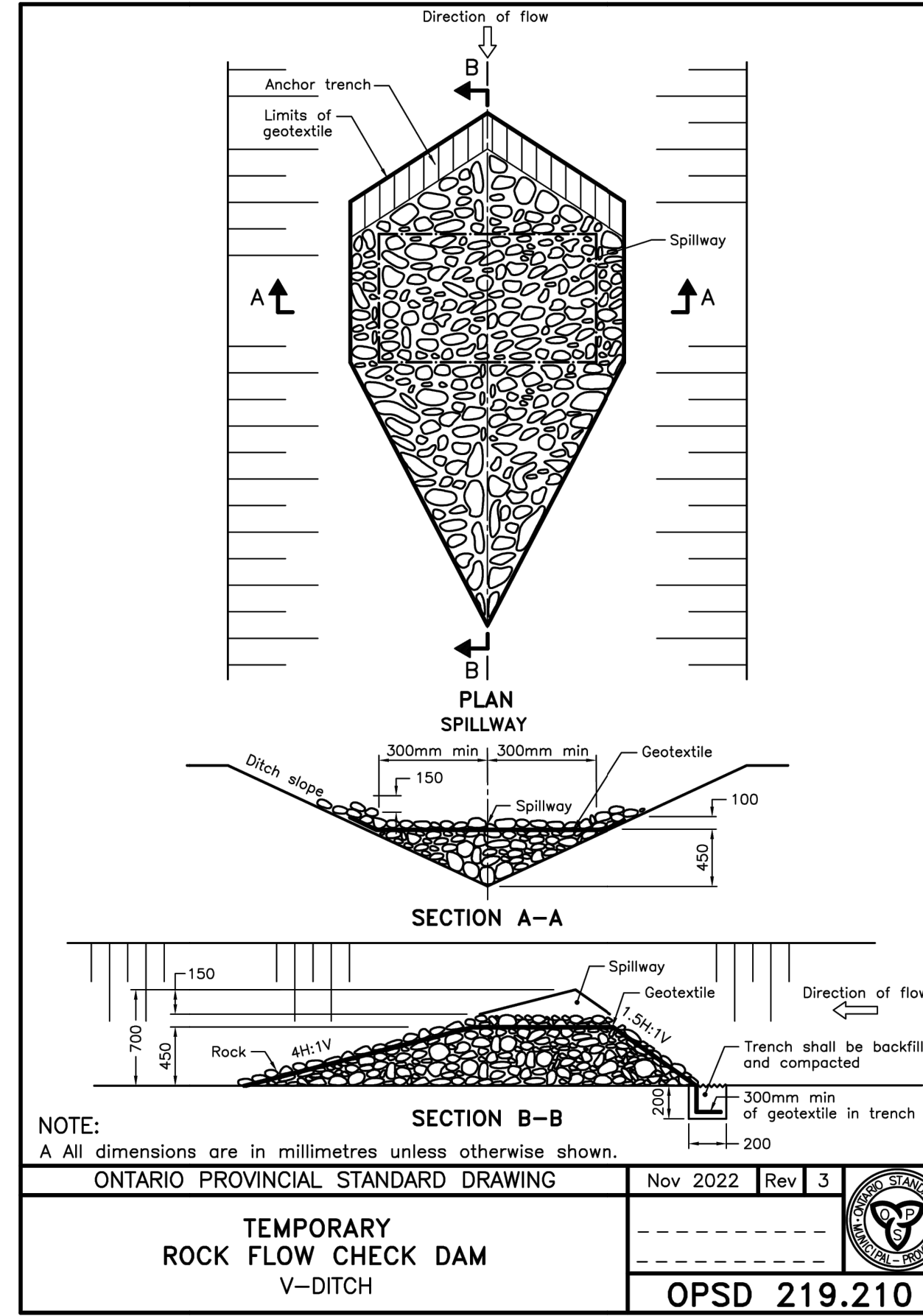
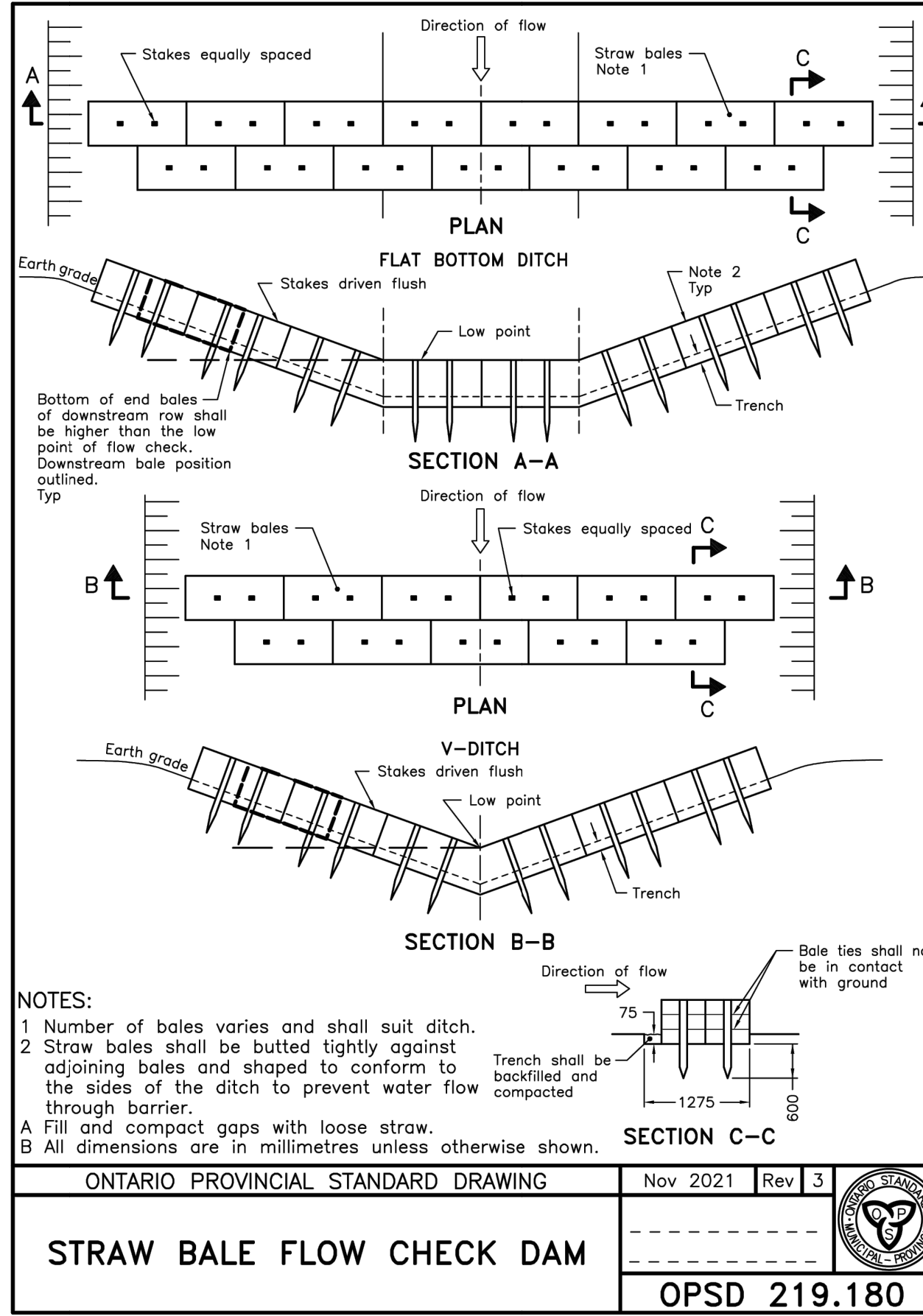
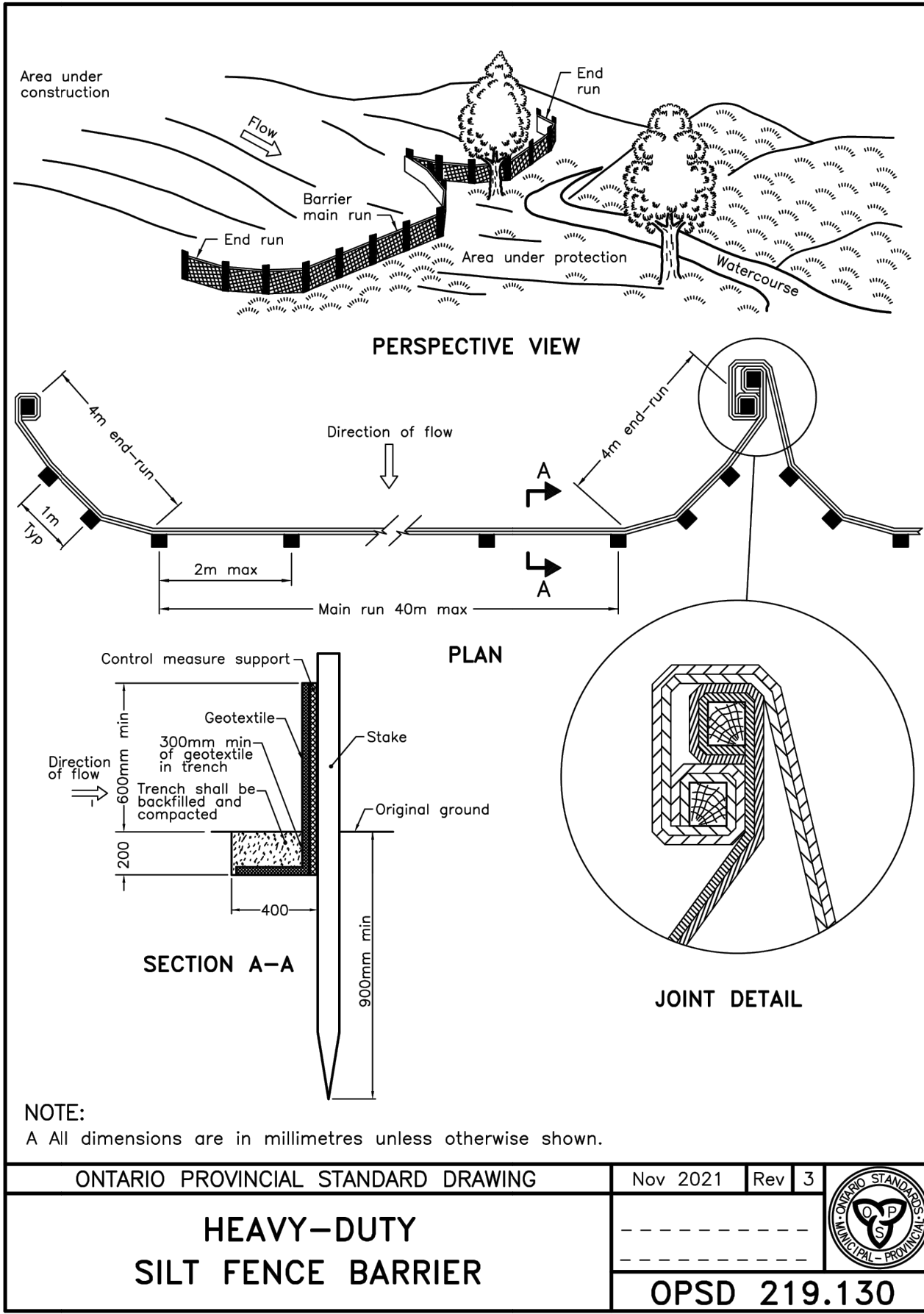
1. INITIAL SEDIMENT AND EROSION CONTROL MEASURES (I.E. HEAVY DUTY SILT FENCE) TO BE INSTALLED IN LOCATIONS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN DRAWINGS.
2. IF DEEMED NECESSARY BY THE CONTRACT ADMINISTRATOR, INSTALL ENHANCED EROSION AND SEDIMENT CONTROL MEASURES TO DEAL WITH ABNORMAL CONDITIONS (AS DIRECTED BY THE CONTRACT ADMINISTRATOR/ENGINEER).
3. IF DEEMED NECESSARY BY THE CONTRACT ADMINISTRATOR THAT ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES ARE REQUIRED, INSTALL AN ADDITIONAL ROW OF HEAVY DUTY SILT FENCE AS SHOWN ON THE DETAIL DRAWING.
4. IF THE CONTRACT ADMINISTRATOR REQUIRES FURTHER SEDIMENT AND EROSION CONTROL MEASURES, INSTALL A STRAW BALE FILTER IN FRONT OF THE SECOND ROW OF HEAVY DUTY SILT FENCE.

INSPECTION AND REPORTING

1. IN ORDER TO MONITOR THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, FREQUENT INSPECTIONS WILL BE REQUIRED. THE INSPECTION ACTIVITIES WILL BE PERFORMED BY THE CONTRACT ADMINISTRATOR AND/OR INSULATORS.
2. THE CONTRACT ADMINISTRATOR WILL PERFORM REGULAR INSPECTIONS TO VERIFY:
3. THE FOLLOWING REPORTING SYSTEM FOR PROPOSED INSPECTION ACTIVITIES WILL BE PERFORMED BY THE CONTRACT ADMINISTRATOR AND WILL INCLUDE:
4. PREPARING INSPECTION REPORTS FOR THE DURATION OF CONSTRUCTION, AND SUBMITTING THEM TO THE CITY OF OTTAWA. THE INSPECTION REPORTS SHOULD DOCUMENT ANY REPAIRS, RAINFALL, OR PAVING THAT HAS OCCURRED SINCE THE LAST INSPECTION, OR AS ANTICIPATED IN THE NEXT REPORT.
5. PRIOR TO REMOVAL OF THE EROSION AND SEDIMENT CONTROLS, THE CITY OF OTTAWA, THE OWNER, AND THE CONTRACT ADMINISTRATOR SHOULD CONDUCT A JOINT INSPECTION OF THE SITE.
6. ANY FAILURE OF THE PROPOSED TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SHALL BE REPORTED TO THE CITY OF OTTAWA AS SOON AS POSSIBLE, UNDER THE SUPERVISION OF THE CITY OF OTTAWA AND THE CONTRACT ADMINISTRATOR. THE CONTRACTOR WILL BE DIRECTED TO REMOVE ANY SEDIMENT THAT HAS INCREASED BEFORE THE CONSTRUCTION LAYS.

SEVERE WEATHER ANTICIPATED

1. WHEN THE LOCAL WEATHER FORECAST INDICATES THAT SIGNIFICANT RAINFALL IS EXPECTED WITHIN A 24 HOUR PERIOD, THE CONTRACTOR SHALL IMMEDIATELY COMPLETE THE FOLLOWING:
2. INSURE THAT ALL EROSION & SEDIMENT CONTROL MEASURES ARE SECURE AND THAT THERE IS NO EXPOSED SOIL THAT COULD ERODE AND BE DEPOSITED IN THE PROXIMATE DRAIN.
3. MONITOR ALL MEASURES DURING THE FLOOD EVENT, AND WHERE A POTENTIAL FOR FAILURE IS IDENTIFIED, TAKE CORRECTIVE MEASURES.



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Legend

Notes

Client/Project

5360 BANK STREET ZONING BYLAW AMENDMENT AND SITE PLAN CONTROL

GREELY SAND & GRAVEL INC.
1971 OLD PRESCOTT ROAD
GREELY, ON

Title

NOTES AND DETAIL SHEET

Project No. 160401995

Scale 1:500

Drawing No. ND-1

Sheet

Revision

Permit-Seal

Revision

Rev	By	Appd.	Date
1	MJS	PM	25.12.23
2	MJS	PM	26.07.24
3	MJS	PM	25.12.23
4	MJS	PM	25.12.23
5	MJS	PM	25.12.23
6	MJS	PM	25.12.23
7	MJS	PM	25.12.23
8	MJS	PM	25.12.23
9	MJS	PM	25.12.23
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