

Conditions of Use

Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.

Do not scale dimensions from drawing.

Do not modify drawing, re-use, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

EROSION AND SEDIMENT CONTROL

GENERAL NOTES:

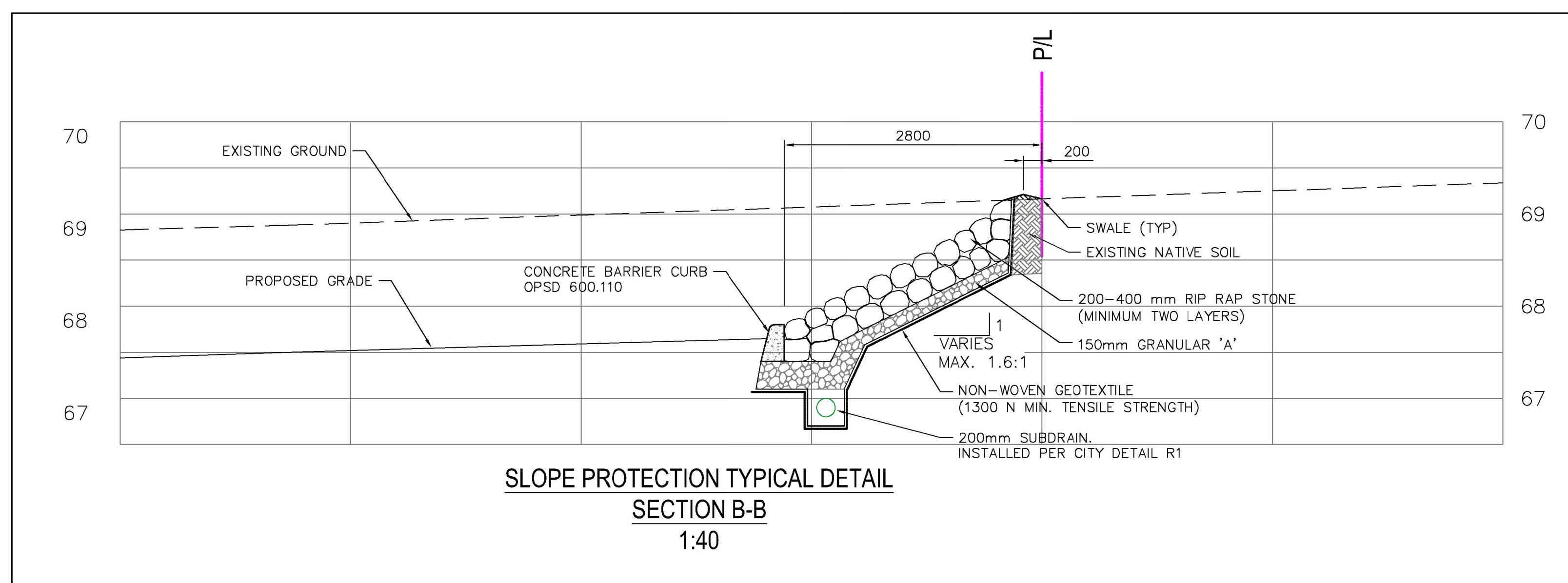
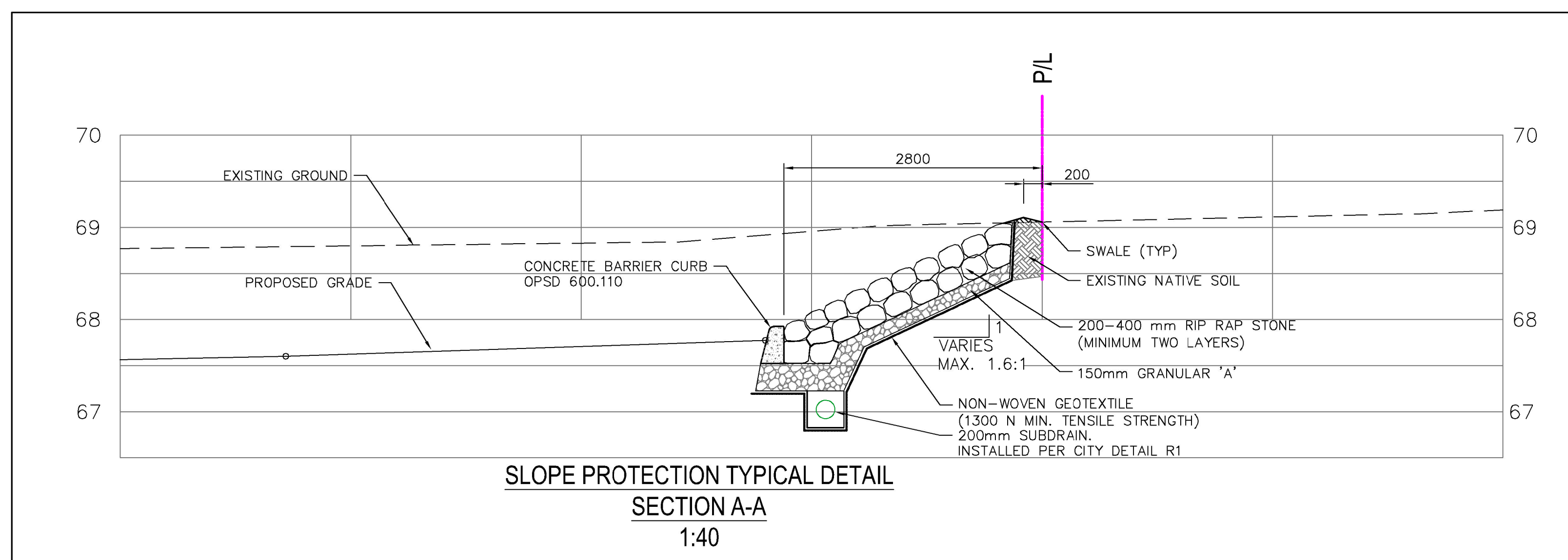
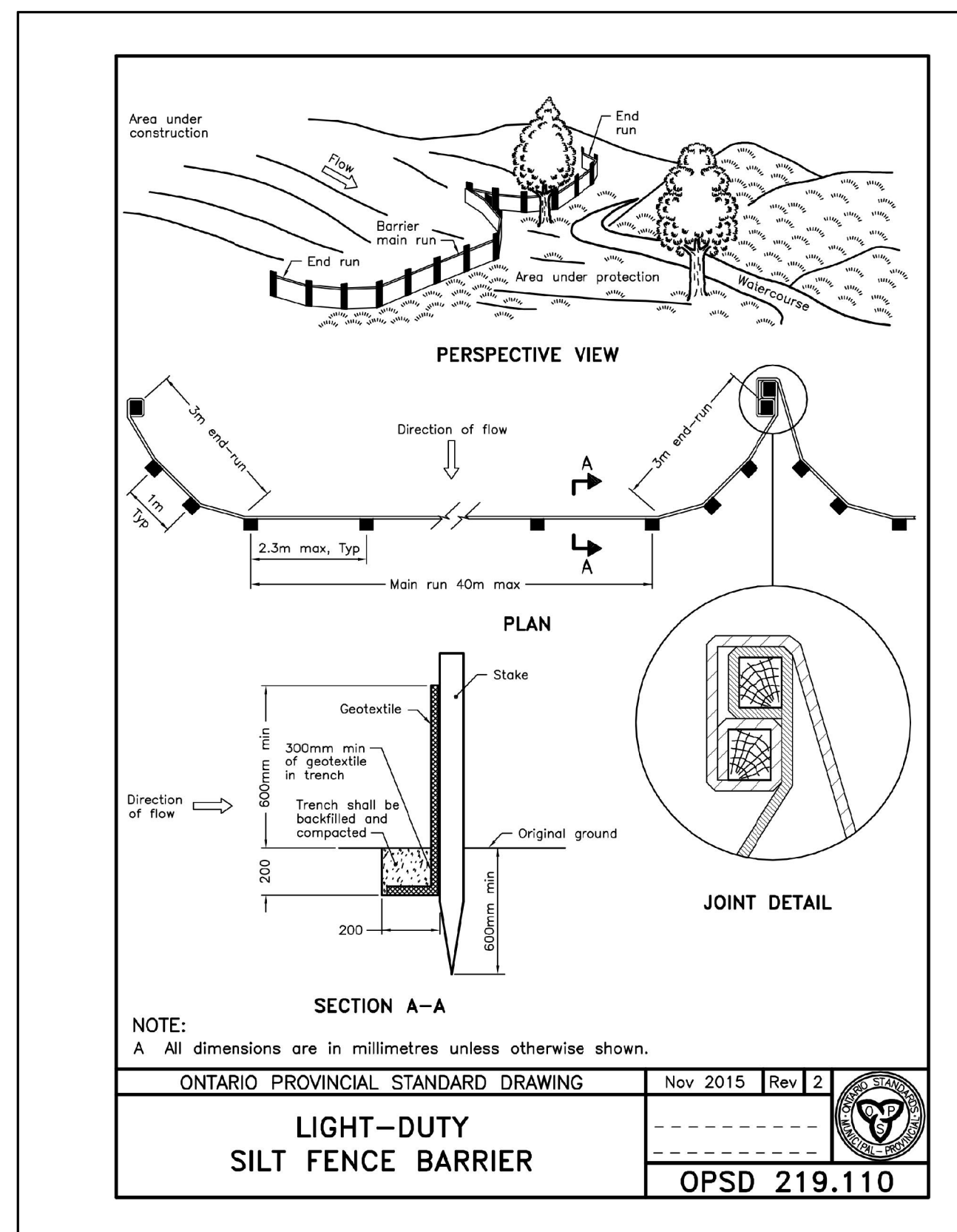
1. PROVIDE TEMPORARY DRAINAGE AND PUMPING AS NECESSARY TO KEEP EXCAVATIONS AND SITE FREE FROM WATER. TEMPORARY PUMPING TO BE COMPLETED IN ACCORDANCE WITH OPSS 518 "CONSTRUCTION SPECIFICATIONS FOR CONTROL OF WATER FROM DEWATERING OPERATIONS". DO NOT DISCHARGE WATER CONTAINING SUSPENDED MATERIALS INTO WATERCOURSES, SEWER OR DRAINAGE SYSTEMS. CONTROLLED DISPOSAL OR RUNOFF OF WATER CONTAINING SUSPENDED MATERIALS OR OTHER HARMFUL SUBSTANCES MUST BE COMPLETED IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL REQUIREMENTS. SEE ALSO DEWATERING NOTES
2. WORKS AROUND WATERCOURSES AND WETLANDS SHALL BE COMPLETED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CONSERVATION AUTHORITY, MUNICIPAL, PROVINCIAL AND FEDERAL BEST MANAGEMENT PRACTICES. FUELING OPERATIONS SHALL NOT BE CONDUCTED AND FUELING TANK SHALL NOT BE LOCATED WITHIN 30.0m OF A ROADSIDE DITCH, MUNICIPAL DRAIN, NATURAL WATERCOURSE, WETLAND OR FIELD TILE.
3. INSTALLATION OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND OPSS 577 "CONSTRUCTION SPECIFICATION FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES", EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION (DECEMBER 2006) AND THE CONTRACT DRAWINGS.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY EROSION AND POLLUTION CONTROL FEATURES THROUGHOUT THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING ALL TEMPORARY EROSION CONTROLS AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL AND CLEARED OF ACCUMULATED SEDIMENT WHEN 50% OF CAPACITY IS REACHED. SILT FENCES ARE TO BE INSTALLED ALONG THE PROPERTY LINE. STRAW BALES SHALL BE INSTALLED IN ADDITION TO SILT FENCING WHEN FLOW IS CHANNLED IN A PARTICULAR DIRECTION TO THE RECEIVING COURSE OR WHERE WARRANTED. SILT FENCES SHALL NOT BE PERMITTED IN AREAS OF STANDING WATER. ONCE A VIGOROUS GROWTH IS ESTABLISHED IN THE RE-VEGETATED AREAS THE CONTROLS AND ACCUMULATED SEDIMENT SHALL BE REMOVED IN THEIR ENTIRETY WITHIN 30 DAYS OF DIRECTION FROM THE ENGINEER.
5. INLET CONTROL DEVICES TO BE INSTALLED ON ALL NEW SITE CATCH BASINS, AND ON ADJACENT ROADWAY CATCHBASINS THAT ARE SUBJECT TO SITE RUNOFF. INLET PROTECTION DEVICES (IP) TO BE CITY OF OTTAWA APPROVED INSERTS SUCH AS STORMSOX, SILTSAK, FLEXSTORM OR SENTINEL. FILTER BAGS ARE TO BE INSPECTED REGULARLY AND CLEANED AFTER EACH RAIN EVENT. INLET FILTERS TO REMAIN IN PLACE UNTIL FINAL RESTORATION HAS ESTABLISHED.
6. TEMPORARY CONSTRUCTION ENTRANCE TO FAMILLE-LAPORTE AVENUE. CONSTRUCTION ENTRANCE TO CONSIST OF A SOIL STABILIZATION GEOTEXTILE FABRIC COVERED WITH MINIMUM 300mm THICK STONE RIP-RAP MAT. RIP-RAP TO BE 100mm TO 200mm IN SIZE. IF THE CONSTRUCTION ENTRANCE DOES NOT SUFFICIENTLY PREVENT SEDIMENT FROM BEING TRACKED ONTO ADJACENT ROADWAYS, A WHEEL WASH MAY BE REQUIRED.

SEQUENCING NOTES:

1. CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN TO THE ENGINEER FOR APPROVAL.
2. INSTALL SILT CONTROL FENCING AROUND PERIMETER OF THE SITE AND CONSTRUCTION FENCING.
3. STRIP TOPSOIL FROM WITHIN THE LIMITS OF GENERAL EARTHWORKS AND STORE TEMPORARILY WITHIN THE DESIGNATED AREAS AS DIRECTED BY THE OWNER.
4. REDISTRIBUTE TOPSOIL ON SITE AND RESTORE GRASSED AREAS AS PER CONTRACT SPECIFICATIONS.
5. ALL EROSION CONTROL MEASURES TO BE MONITORED AS A MINIMUM ON A WEEKLY BASIS AND KEPT IN A FUNCTIONAL STATE.
6. ONCE A VIGOROUS GROWTH IS ESTABLISHED IN THE REVEGETATED AREAS, THE CONTROLS AND ACCUMULATED SEDIMENT SHALL BE REMOVED IN THEIR ENTIRETY WITHIN 30 DAYS OF DIRECTION FROM THE ENGINEER.

GENERAL UTILITY NOTES:

1. THE OWNER AND DILLON CONSULTING LIMITED DO NOT GUARANTEE THE ACCURACY OF THE UTILITIES SHOWN ON THE DRAWINGS. OTHER UTILITIES MAY BE PRESENT OR THE UTILITIES SHOWN MAY DIFFER IN SIZE OR LOCATION FROM THOSE SHOWN. THE CONTRACTOR SHALL NOTE THAT SERVICES FROM THE MAIN LINES ARE NOT SHOWN. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES AND TO REPAIR ANY DAMAGE IT MAY CAUSE TO THESE UTILITIES OR TO OTHER THIRD PARTIES. THE CONTRACTOR AGREES TO INDEMNIFY THE OWNER AND DILLON CONSULTING LIMITED AGAINST ANY CLAIMS WHICH MAY ARISE FROM THE CONTRACTOR'S ACTIONS.
2. ALL WORKS SHALL COMPLY WITH THE CITY OF OTTAWA OR OPS STANDARDS.
3. DIMENSIONS AND/OR COORDINATES ARE TO BACK OF CURB, OUTSIDE FACE OF BUILDING, EDGE OF PAVEMENT OR CENTER OF STRUCTURE.
4. ALL NEW WATER, STORM & SANITARY SEWER SERVICES TO BE INSTALLED TO 1.5m FROM THE BUILDING FACE AND CAPPED.
5. MINIMUM SLOPE FOR STORM SEWER SERVICES TO BE 1% UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO USE "T-WYE" CONNECTIONS WHEN CONNECTING CATCHBASIN LEADS TO THE MAINLINE SEWER.
7. ALL WATERMANS AND SERVICES TO HAVE A MINIMUM OF 2.50m OF COVER.
8. INSTALL RAIN CATCHERS ON ALL SANITARY MANHOLES.
9. ALL EXISTING TREES AND VEGETATION TO BE REMOVED PRIOR TO CONSTRUCTION.
10. ALL WORK WITHIN FAMILY LAPORTE AVENUE RIGHT-OF-WAY AND/OR ON CITY OF OTTAWA WATERMANS TO BE COMPLETED IN THE PRESENCE OF MUNICIPAL STAFF OR INSPECTOR.
11. ALL DISTURBED AREAS WITHIN FAMILY LAPORTE AVENUE EXISTING RIGHT-OF-WAY TO BE RESTORED TO EXISTING OR BETTER CONDITION.
12. ALL RESTORATIONS PER THE LANDSCAPING PLAN.
13. ALL WORKS TO BE CONSTRUCTED TO A TOLERANCE OF 5mm±.
14. ALL DIMENSIONS AND RADII ARE TO CONSTRUCTION BASELINE OR EDGE OF PAVEMENT.
15. SEWER BEDDING PER MANUFACTURER RECOMMENDATIONS AND OPSS STANDARDS. PIPE BEDDING TO BE A MINIMUM OF 150mm THICK. GRANULAR 'A' SHALL BE USED AS PIPE BEDDING, AT THE SPRINGLINE OF THE PIPE, AND A 300mm THICK LAYER ABOVE THE OVERT. REFER TO GEOTECHNICAL REPORT BY LRL ASSOCIATES LTD.
16. ALL SANITARY SEWER ARE TO BE PVC DR-35 UNLESS NOTED OTHERWISE.
17. ALL STORM SEWERS 375mm DIA. OR SMALLER TO BE PVC DR-35. ALL STORM SEWERS 450mm OR LARGER TO BE CONCRETE A257.2 65-D UNLESS SHOWN OTHERWISE ON PLANS OR SPECIFICATIONS.
18. ALL CATCH BASINS LEADS TO BE PVC DR-35 AND DIAMETER OF LEADS:
 - FROM SINGLE TO BE 200mm DIA.
 - FROM DOUBLE TO BE 250mm DIA.
 - FROM CCB TO BE 200mm DIA.
 - *UNLESS OTHERWISE SHOWN.
23. **CONNECTIONS TO PVC PIPE:**
THE CONTRACTOR SHALL BE REQUIRED TO USE ONLY PLANT MANUFACTURED TEES WHEN INSTALLING ALL CONNECTION. THE ANGULAR RISE OF THE CONNECTIONS SHALL BE BETWEEN 5° AND 85°. IF THE ANGULAR RISE EXCEED 45°, THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL PVC COUPLING WITH STOP IMMEDIATELY BEYOND THE FITTING. A SHORT SECTION OF PVC PIPE IS TO BE USED TO CONNECT THE COUPLING TO THE FITTING. THE COUPLING SHALL REST DIRECTLY UPON THE BELL PORTION OF THE FITTING.
24. **CONNECTIONS ON CONCRETE PIPE:**
ALL CONNECTIONS GREATER THAN 250mm DIAMETER TO CONCRETE PIPES SHALL BE MADE WITH PRE-MANUFACTURED CONCRETE TEES. CONNECTIONS FOR 250mm AND SMALLER TO BE MADE WITH PRE-MANUFACTURED BOOTS. THE USE OF WINGED PVC AND COATED BELL WILL NO BE PERMITTED IN TAPPING CONCRETE PIPE.
25. ALL WATERMANS INSTALLED VIA OPEN CUT TO BE 100mm DIA. TO 200mm DIA. TO BE PVC AWWA C-900 CLASS 150 DR18.
26. ALL WATERMANS CROSSING MUNICIPAL ROAD TO BE INSTALLED VIA OPEN CUT TRENCH EXCAVATION. CONTRACTOR TO COORDINATE WITH CITY OF OTTAWA FOR REQUIRED ROAD CLOSURE AND PERMITS.
27. ALL WATERMAIN WITH LESS THAN 2.50m COVER SHALL HAVE INSULATION PER CITY OF OTTAWA W22.



ALL EXISTING INVERTS TO BE FIELD CHECKED PRIOR TO CONSTRUCTION

2	19/08/2021	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION AND ZONING BY-LAW AMENDMENT	CDP, DS
1	12/02/2021	SPA / ZBA SUBMISSION	CDP

date: revision: by:

revisions

All drawing and specifications are the property of the architect. The contractor shall verify all dimensions and information on site and report any discrepancy to architect before proceeding.

Arch Corp - Orleans

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NOTES, CROSS SECTION AND DETAILS

scale: 1:250
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