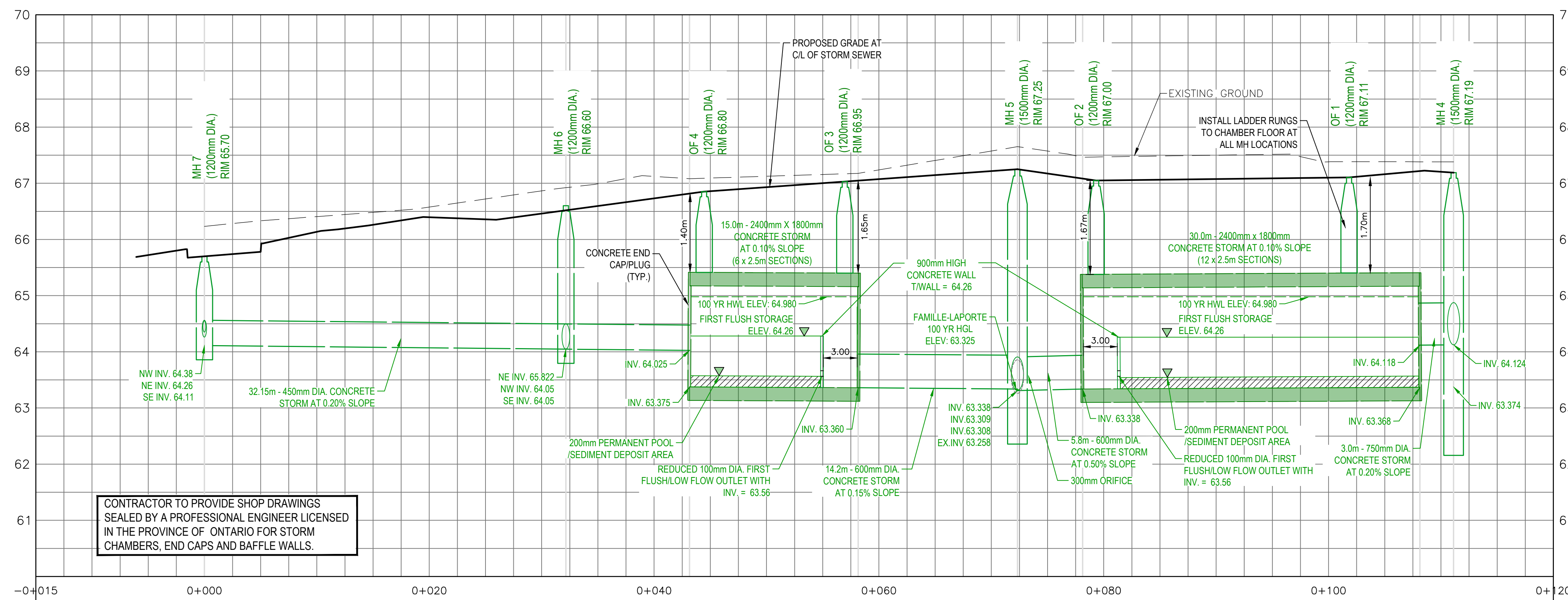
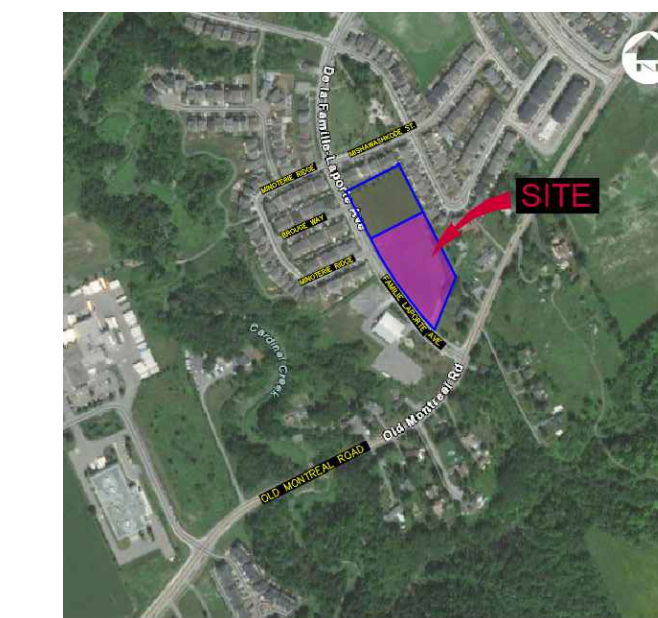


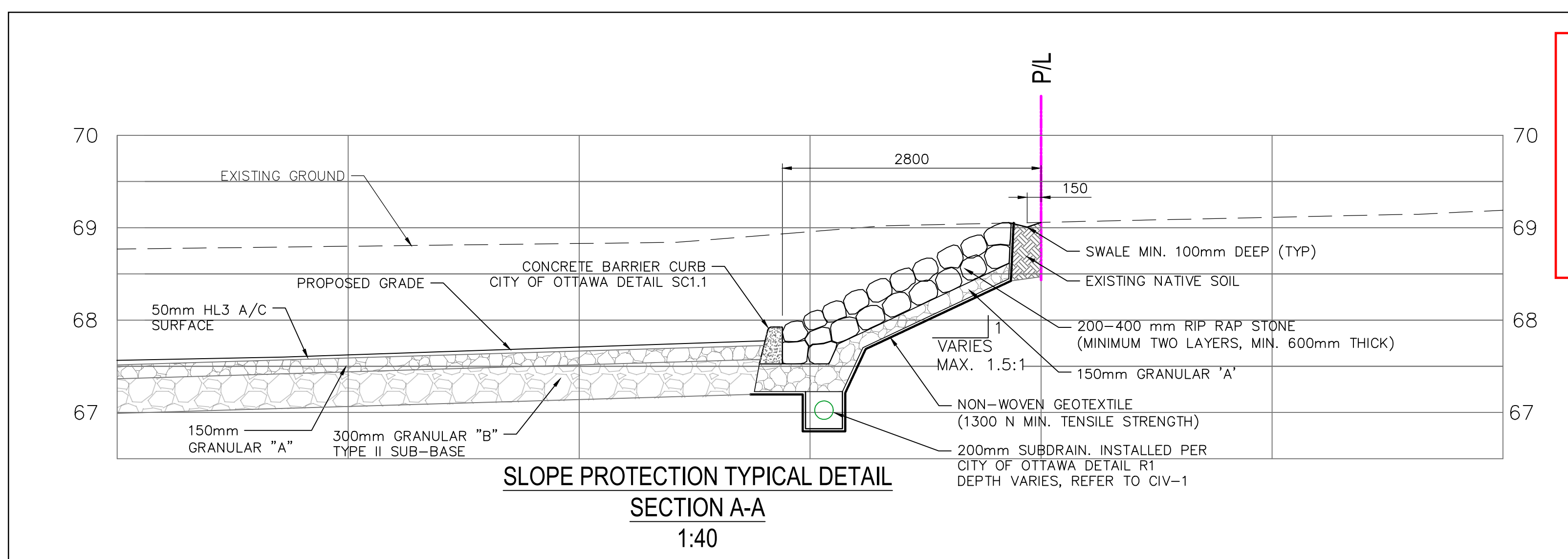
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Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.
Do not scale dimensions from drawing.
Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.

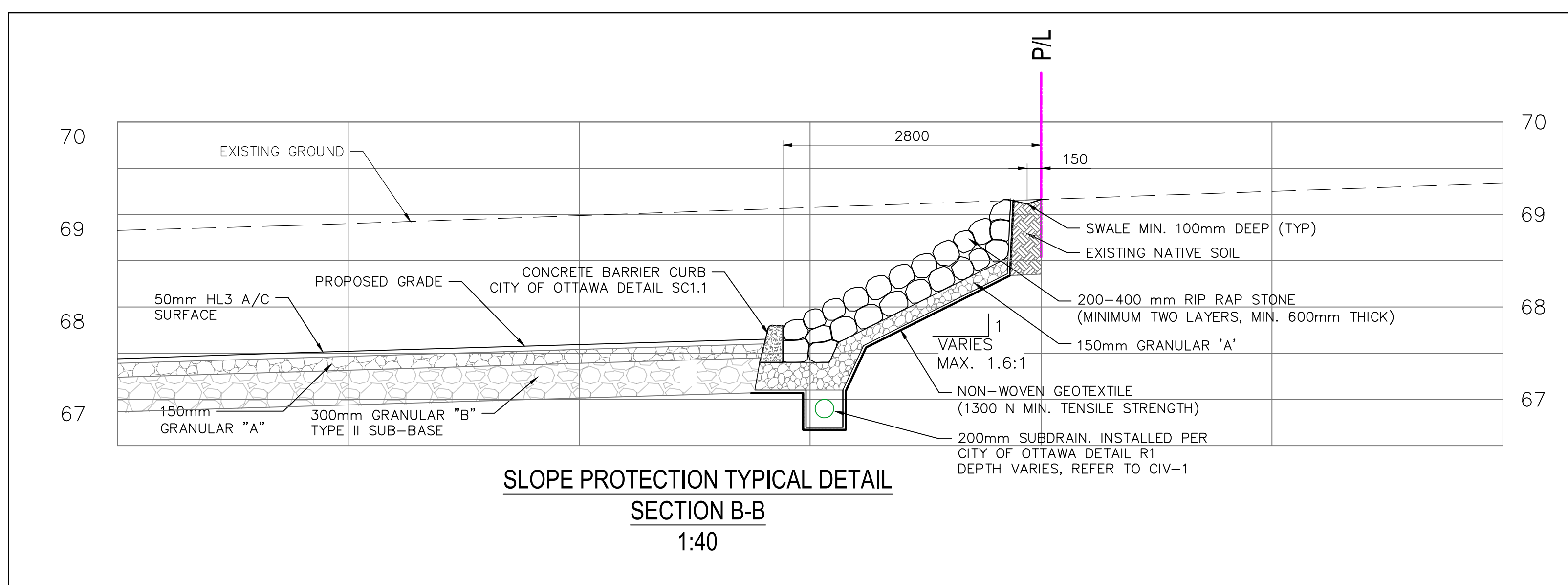


STORM STORAGE CHAMBERS - SECTION C-C
HORIZ: 1:250
VERT: 1:50

ALL EXISTING INVERTS TO BE FIELD CHECKED PRIOR TO CONSTRUCTION



SLOPE PROTECTION TYPICAL DETAIL SECTION A-A
1:40



SLOPE PROTECTION TYPICAL DETAIL SECTION B-B
1:40

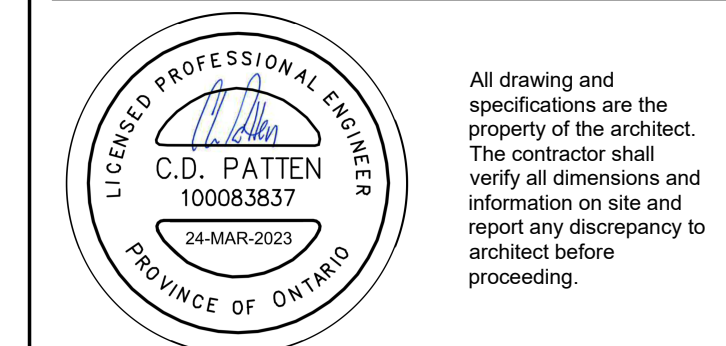
G. Wildman
GERALDINE WILDMAN
ACTING MANAGER, DEVELOPMENT REVIEW, EAST PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
By Geraldine Wildman at 12:00 pm, Jul 21, 2023

GENERAL UTILITY NOTES:

- 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.
- ALL WORKS SHALL COMPLY WITH THE CITY OF OTTAWA STANDARDS.
- DIMENSIONS AND/OR COORDINATES ARE TO BACK OF CURB, OUTSIDE FACE OF BUILDING, EDGE OF PAVEMENT OR CENTER OF STRUCTURE.
- ALL NEW WATER, STORM & SANITARY SEWER SERVICES TO BE INSTALLED TO 1.5m FROM THE BUILDING FACE AND CAPPED.
- MINIMUM SLOPE FOR STORM SEWER SERVICES TO BE 2% UNLESS NOTED OTHERWISE.
- CONTRACTOR TO USE "T-WYE" CONNECTIONS WHEN CONNECTING CATCHBASIN LEADS TO THE MAINLINE SEWER.
- ALL WATERMANS AND SERVICES TO HAVE A MINIMUM OF 2.50m OF COVER.
- INSTALL RAIN CATCHERS ON ALL SANITARY MANHOLES.
- ALL EXISTING TREES AND VEGETATION TO BE REMOVED PRIOR TO CONSTRUCTION.
- 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.
- ALL DISTURBED AREAS WITHIN FAMILY LAPORTE AVENUE EXISTING RIGHT-OF-WAY TO BE RESTORED TO EXISTING OR BETTER CONDITION.
- ALL RESTORATIONS PER THE LANDSCAPING PLAN.
- ALL WORKS TO BE CONSTRUCTED TO A TOLERANCE OF 5mm±.
- ALL DIMENSIONS AND RADII ARE TO CONSTRUCTION BASELINE OR EDGE OF PAVEMENT.
- SEWER BEDDING PER MANUFACTURER RECOMMENDATIONS AND CITY OF OTTAWA 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. ALL BEDDING TO BE COMPACTED TO A MINIMUM 95% SMPDD.
- WHERE WET SOIL CONDITIONS ARE ENCOUNTERED, THE USE OF "CLEAR STONE" BEDDING (19mm) MAY BE CONSIDERED AS A SUBSTITUTE IN CONJUNCTION WITH A GEOTEXTILE FILTER (TERRAFIX 270R). REFER TO GEOTECHNICAL REPORT BY LRL ASSOCIATES LTD.
- ALL SANITARY SEWER ARE TO BE PVC DR-35 UNLESS NOTED OTHERWISE.
- 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.
- ALL CATCH BASIN LEADS TO BE PVC DR-35 AND DIAMETER OF LEADS:
 - FROM SINGLE TO BE 200mm DIA.
 - FROM DOUBLE TO BE 250mm DIA.
 - FROM BCB TO BE 200mm DIA.
 - *UNLESS OTHERWISE SHOWN.
- CONNECTIONS TO PVC PIPE: THE CONTRACTOR SHALL BE REQUIRED TO USE ONLY PLANT MANUFACTURED TEES WHEN INSTALLING ALL CONNECTIONS. THE ANGULAR RISE OF THE CONNECTIONS SHALL BE BETWEEN 5° AND 85°. IF THE ANGULAR RISE EXCEEDS 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.
- 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 NOT BE PERMITTED IN TAPPING CONCRETE PIPE.
- ALL WATERMANS INSTALLED VIA OPEN CUT TO BE 100mm DIA. TO 200mm DIA. TO BE PVC AWWA C-900 CLASS 150 DR18.
- 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.
- ALL WATERMAIN WITH LESS THAN 2.50m COVER SHALL HAVE INSULATION PER CITY OF OTTAWA W22 DETAIL.
- AN GREASE AND OIL INTERCEPTOR ON ALL FIXTURES IS REQUIRED FOR FACILITIES WHERE FOOD MAY BE PREPARED AS PER CITY OF OTTAWA SEWER USE PYLAW SECTION 15.
- THE SANITARY AND STORM BACKFLOW PREVENTORS TO BE PROVIDED AS PER CITY OF OTTAWA.

#	date:	revision:	by:
5	24/03/2023	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION AND ZONING BY-LAW AMENDMENT	CDP, DS
4	27/01/2023	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION AND ZONING BY-LAW AMENDMENT	CDP, DS
3	27/01/2023	ISSUED FOR BUILDING PERMIT	CDP, DS
2	19/08/2022	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION AND ZONING BY-LAW AMENDMENT	CDP, DS
1	12/02/2021	SPA / ZBA SUBMISSION	CDP



Arch Corp - Orleans

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NOTES, CROSS SECTION AND DETAILS

scale: 1:250
drawn by: DS
reviewed by: CDP
job number: 21-2647
plot date: March 24, 2023

drawing number:

CIV-4