

LEGEND

EXISTING ELEVATION	UP	EXISTING UTILITY POLE
PROPOSED/EXISTING ELEVATIONS	AN	EXISTING ANCHOR
PROPOSED CURB ELEVATION	STM	EXISTING STORM MANHOLE
TOP OF RETAINING WALL	SAN	EXISTING SANITARY MANHOLE
DRAINAGE SLOPE	RYCB	EXISTING CATCH BASIN
PROPERTY LINE	CBMH	EXISTING REAR-YARD CATCH BASIN
WATERMAIN	SAN	PROPOSED SANITARY MANHOLE
STORM SEWER	CB	PROPOSED CATCH BASIN
SANITARY SEWER	DS	PROPOSED DOWNSPOUT LOCATION
5 YEAR PONDING	WV	PROPOSED FIRE DEPARTMENT CONNECTION
100 YEAR PONDING	WM	PROPOSED WATER VALVE
PROPOSED SILT FENCE BARRIER	W	WATER METER
PROPOSED RETAINING WALL	RM	REMOTE WATER METER
	DB	TEMPORARY BENCHMARK

NOTES:

- Where sidewalk is continuously adjacent, reduce the dropped curb at entrances to 75mm.
- For slipforming procedure, a 5% batter is acceptable.
- A Treatment at entrances shall be according to OPSD 351.010.
- Outlet treatment shall be according to the OPSD 610 Series.
- The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

CONCRETE BARRIER CURB

Nov 2006 Rev 1

OPSD 600.110

TYPICAL SIDEWALK SECTION

SECTION AT PEDESTRIAN RAMP

EXPANSION JOINT PROFILE

DUMMY JOINT PROFILE

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
- THE MAXIMUM SLOPE IS NOT TO EXCEED 4% FOR PEDESTRIAN RAMPS.
- EXPANSION AND DUMMY JOINTS AS PER SCS.
- DROP CURB HEIGHT MINIMUM 5mm, DESIRED 15mm, MAXIMUM 25mm.

CONCRETE BARRIER CURB WITH SIDEWALK

DATE: JAN 2003
DATE: MARCH 2007
DWG. No.: SC14

DRAWING NUMBER: 170628-GRD

KEY PLAN: N.E.S.

DRAWING: GRADING AND DRAINAGE PLAN

NOTES:

- All dimensions are in metres; all elevations are in metres and are geodetic.
- TBM = Nails in utility pole. Elevation= 64.60 (Geodetic).
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- Contractor is responsible for location and protection of utilities.
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- The underside of footing elevation has been set based on the information available. The exact elevation of the bedrock surface may vary across the building footprint. USF to be confirmed by qualified geotechnical personnel upon completion of the excavation.
- A geotechnical engineer should be retained to provide recommendations with respect to the sub-grade conditions prior to footing installation.
- The owner agrees to prepare and implement an erosion and sediment control plan to the satisfaction of the City of Ottawa, appropriate to the site conditions, prior to undertaking any site alterations (filling, grading, removal of vegetation, etc.) and during all phases of site preparation and construction in accordance with the current Best Management Practices for Erosion and Sediment Control such as, and not limited to installing filter cloths across manhole/catchbasin lids to prevent sediments from entering structures and install and maintain a light duty silt fence barrier as required.
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- Reference to Kollaard file #170628 for Storm Water Management Design and for Servicing Brief Report.

0	SD	SEPT 5, 2017	ISSUED FOR SITE PLAN CONTROL
REV	BY	DATE	DESCRIPTION

Kollaard Associates Engineers

P.O. BOX 189, 210 PRESCOTT ST. (613) 860-0923
KNOXVILLE, ONTARIO K6G 1A0 FAX (613) 258-0475
http://www.kollaard.ca

CONSULTANTS:

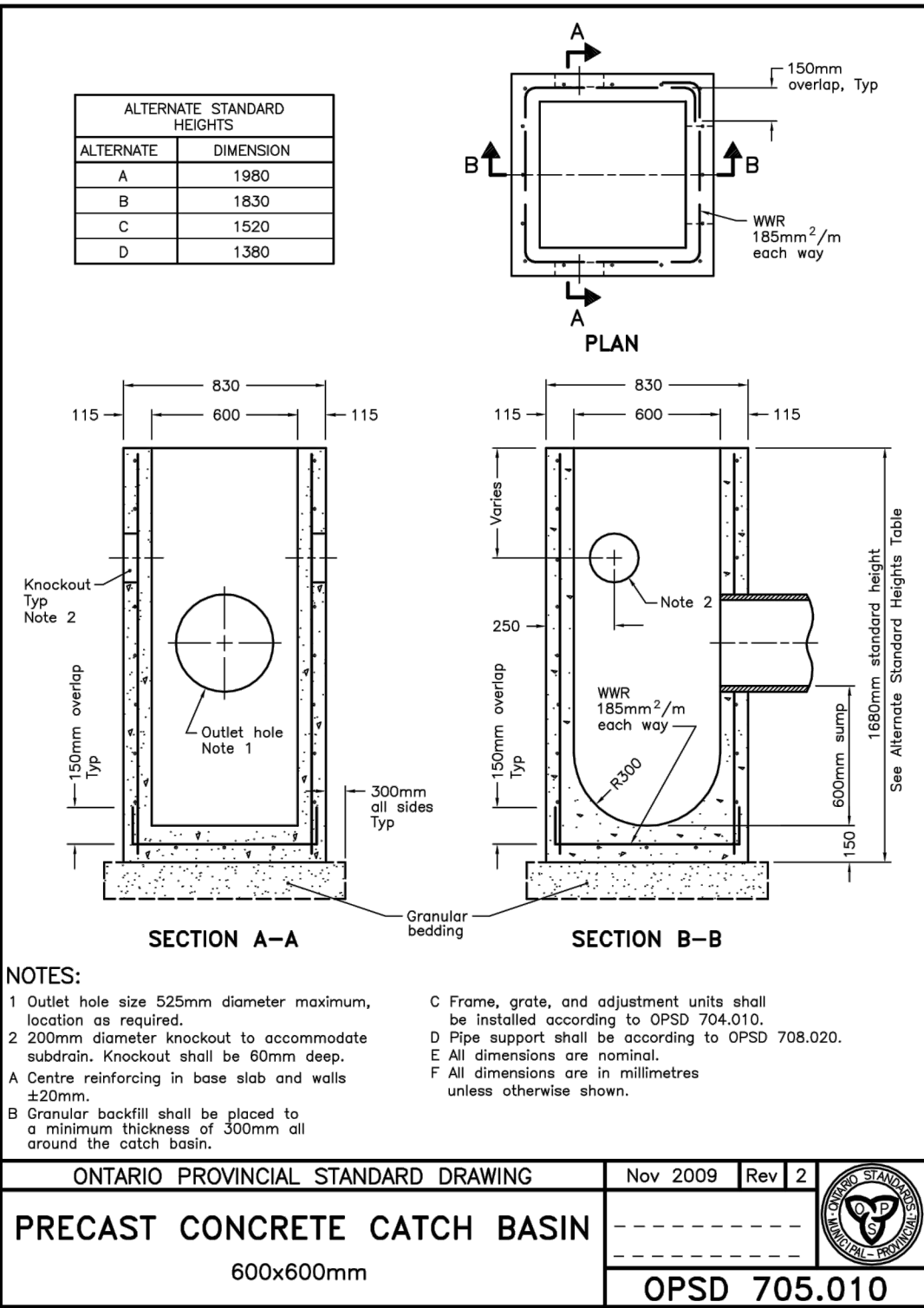
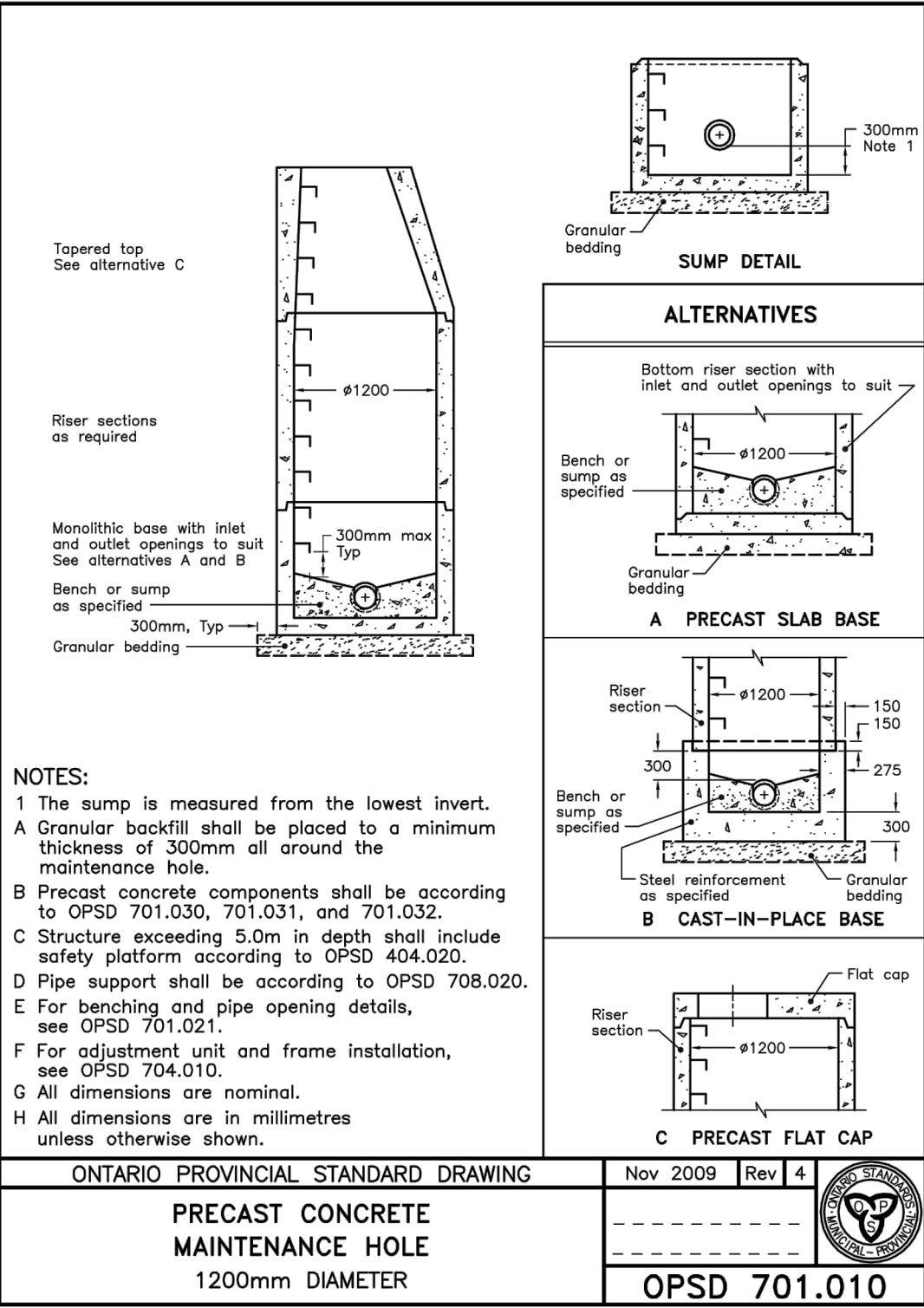
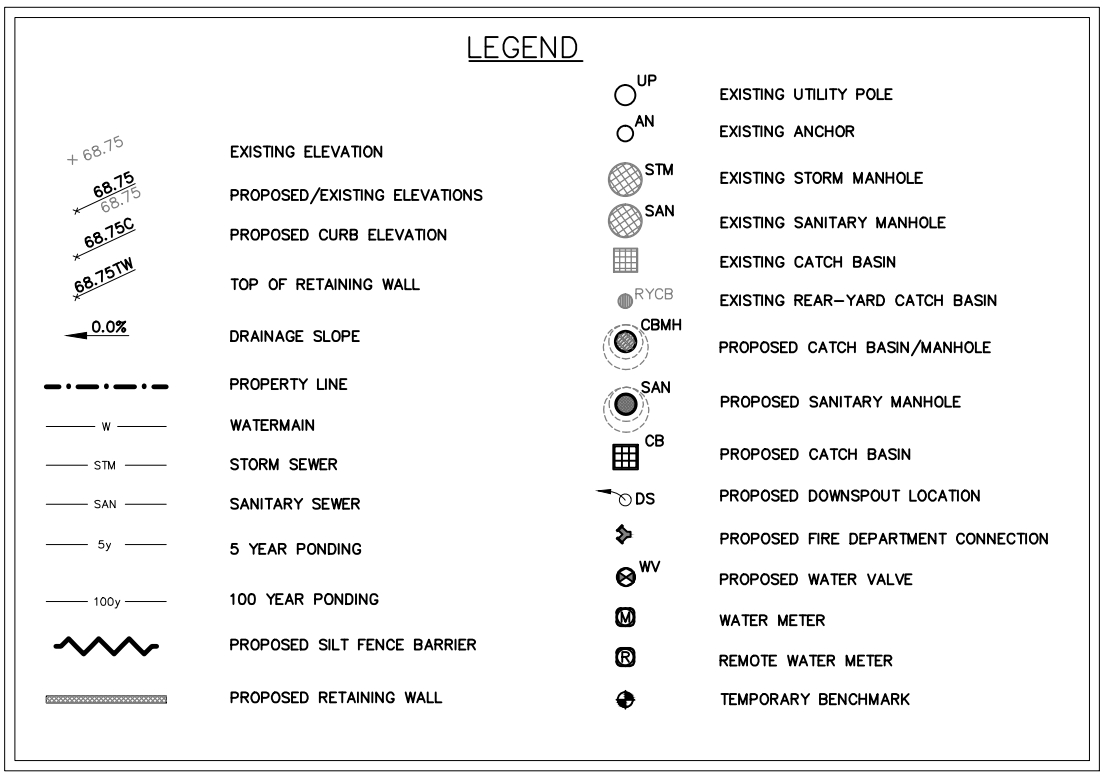
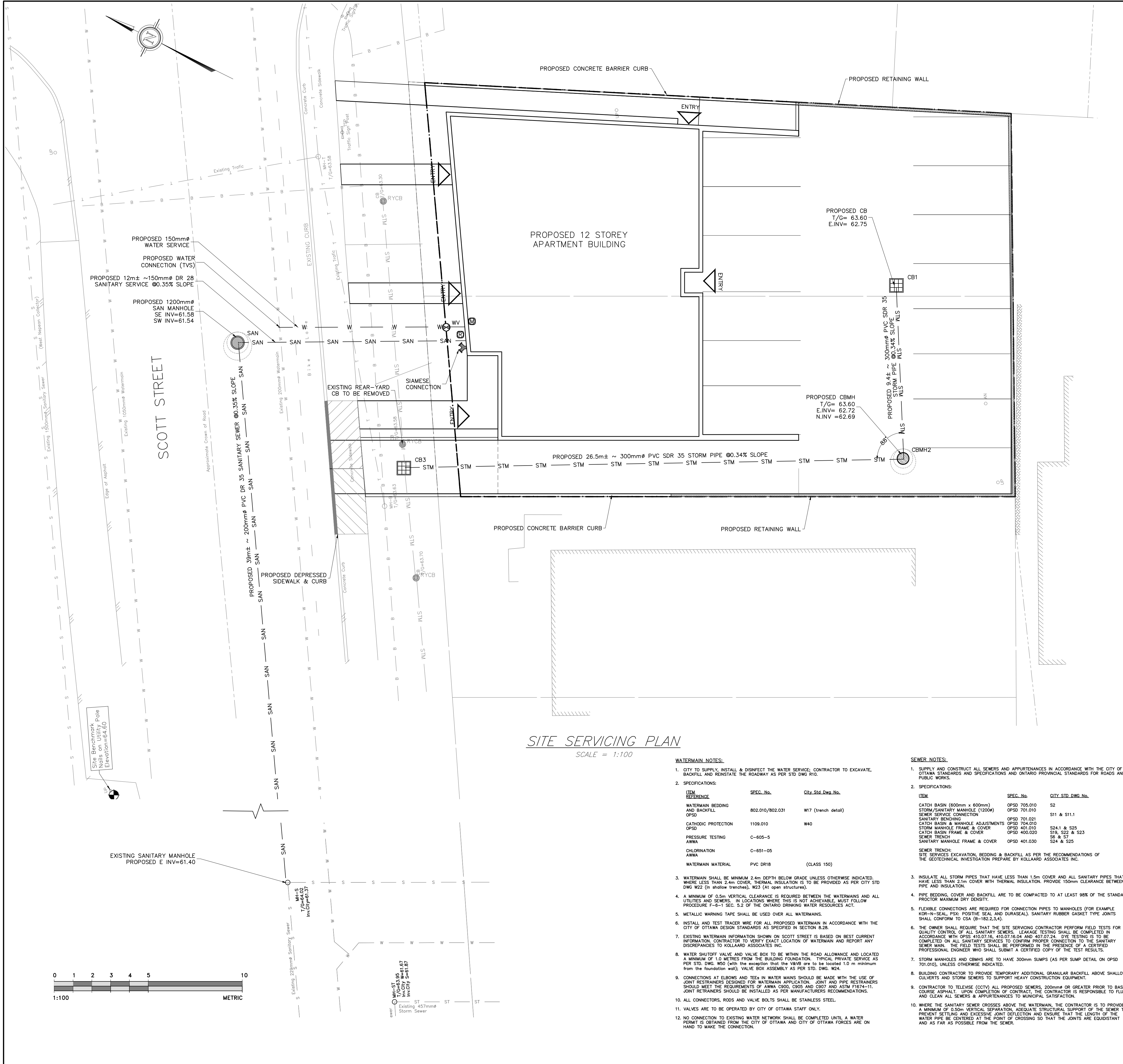
CLIENT: INDEPENDENT DEVELOPMENT GROUP

PROJECT: PROPOSED MULTI-UNIT RESIDENTIAL BUILDING

LOCATION: 1946 SCOTT STREET OTTAWA, ON

DESIGNED BY: SD
CHECKED BY: SD
DRAWN BY: AVB
APPROVED BY: SD
DATE: AUG. 10, 2017
SCALE: AS NOTED
PROJECT NUMBER: 170628

LICENCED PROFESSIONAL ENGINEER
SEP. 06, 2017
S.E. deWit
100079612
PROVINCE OF ONTARIO



DRAWING NUMBER: 170628-SER

DRAWING: SITE SERVICING PLAN

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CLIENT: INDEPENDENT DEVELOPMENT GROUP

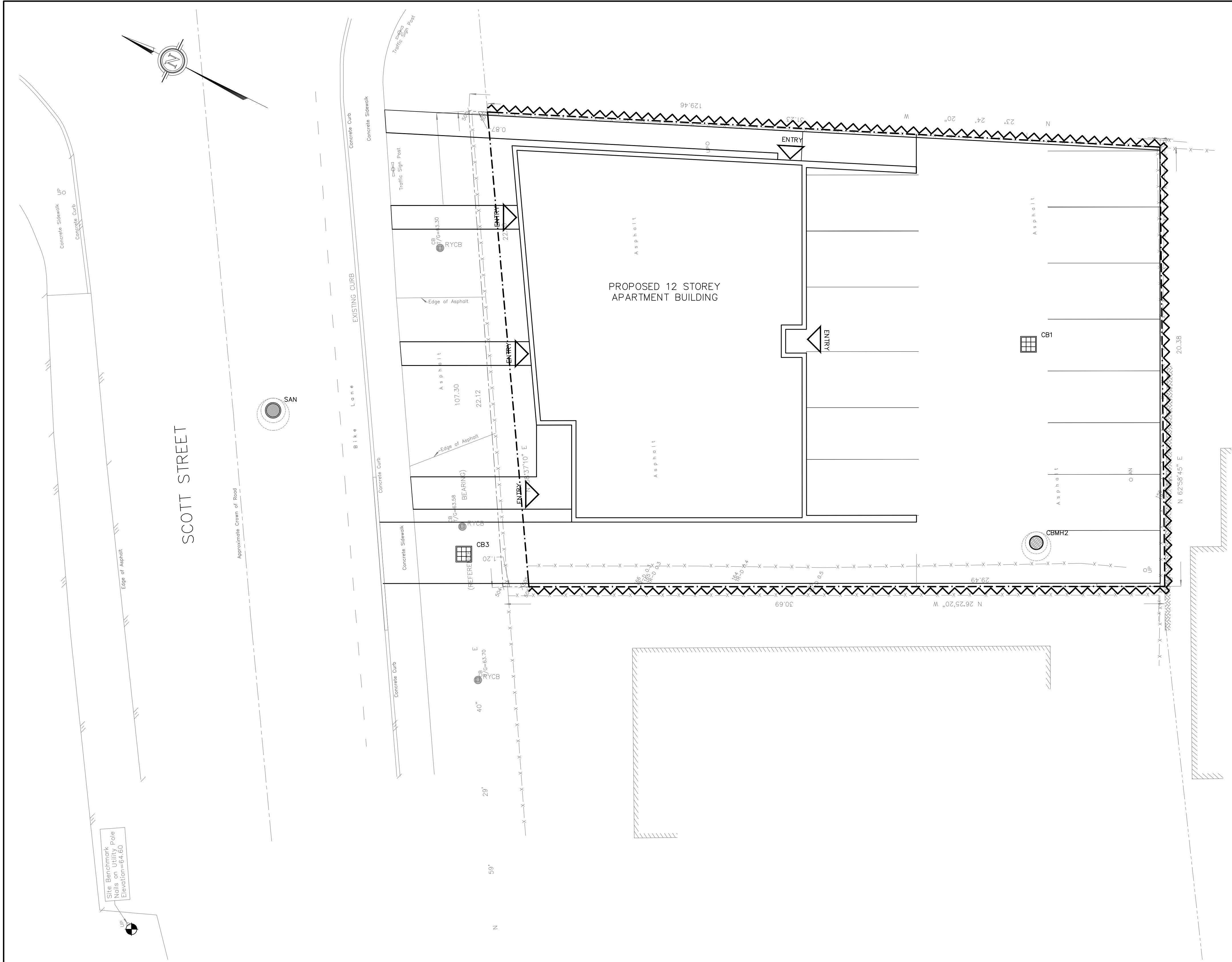
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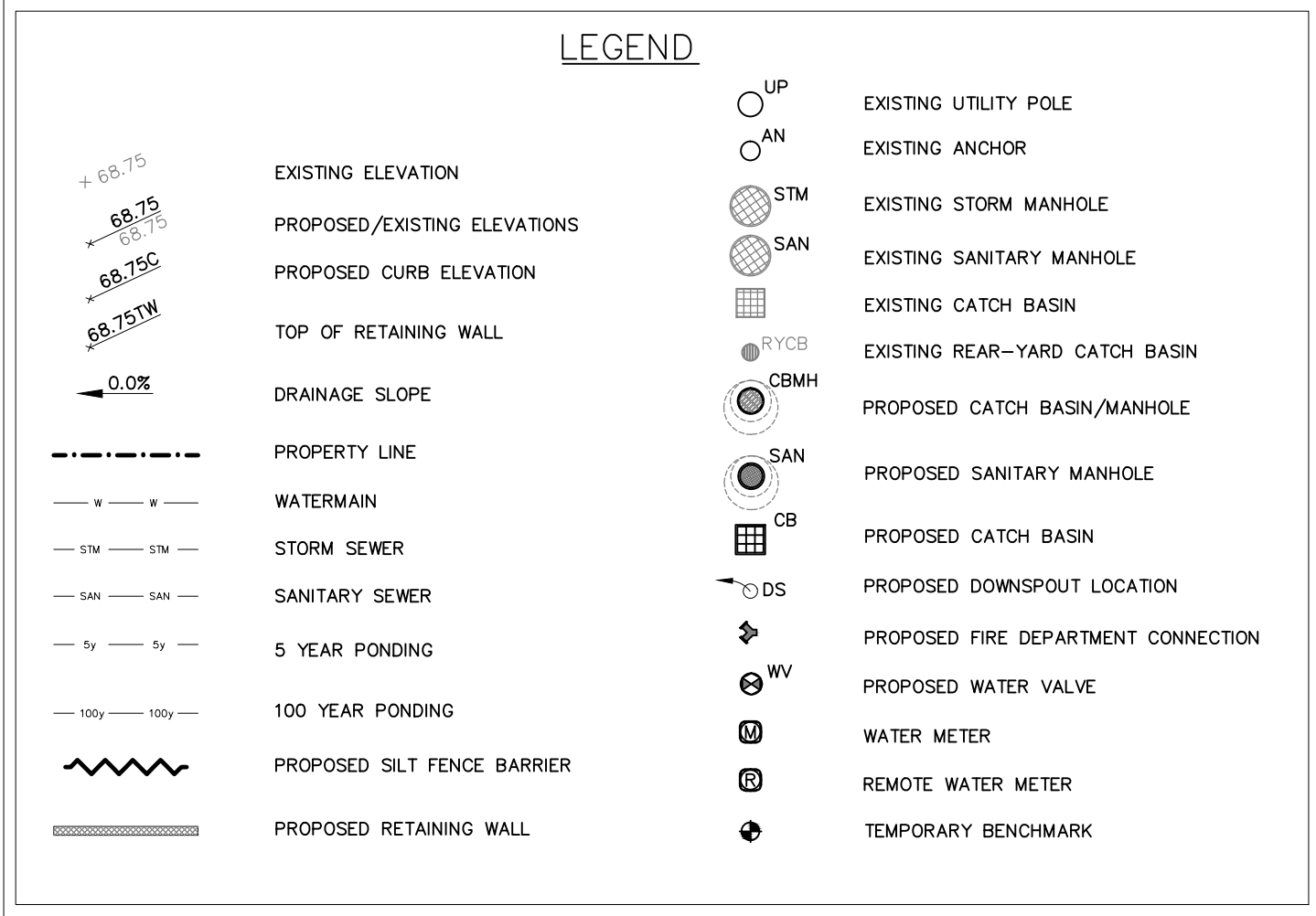
DESIGNED BY:	SD	CHECKED BY:	SD
DRAWN BY:	AVB	APPROVED BY:	SD
DATE:	AUG. 10, 2017		
SCALE:	AS NOTED		
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LICENSED PROFESSIONAL ENGINEER
SEP. 06, 2017
S.E. deWit
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EROSION AND SEDIMENT CONTROL PLAN
SCALE = 1:100

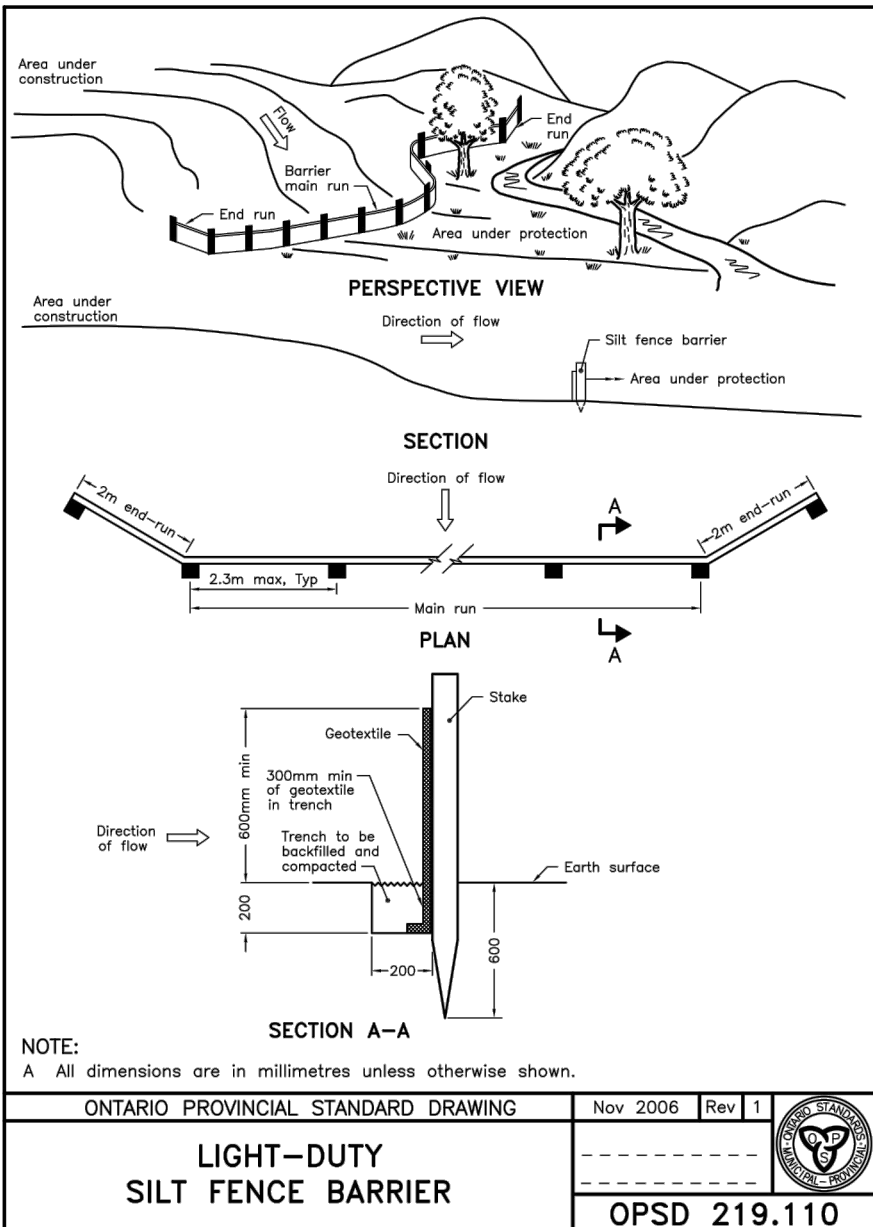


EROSION AND SEDIMENT CONTROL NOTES:

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- THE OWNER (AND/OR CONTRACTOR) AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN AT LEAST EQUAL TO THE STATED MINIMUM REQUIREMENTS AND TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
- THE CONTRACTOR IS TO ENSURE THAT THE SITE ACCESS POINTS AND ADJACENT STREETS TO THE ACCESS POINTS ARE MAINTAINED AND KEPT CLEAN OF CONSTRUCTION MATERIALS SUCH AS, BUT NOT LIMITED TO MUD, DIRT, CLAY AND GRANULARS ON A DAILY BASIS OR AS NECESSARY, TO THE SATISFACTION OF THE CITY OF OTTAWA.
- EVERY EFFORT WILL BE MADE TO ENSURE THAT ALL DISTURBED AREAS ARE TOPSOILED AND SEEDED AS SOON AS REASONABLY POSSIBLE.
- THE SEDIMENT AND EROSION CONTROL PLAN IS A LIVING DOCUMENT WHICH MAY BE AMENDED BY ONSITE REQUIREMENTS AT THE APPROVAL OF THE MUNICIPALITY AND THE CONSERVATION AUTHORITY.

MINIMUM EROSION AND SEDIMENT CONTROL PLAN REQUIREMENTS:

- TIME THE DEMOLITION AND EXCAVATION ACTIVITIES SO THAT THEY OCCUR NO SOONER THAN IS NECESSARY FOR SUBSEQUENT CONSTRUCTION ACTIVITIES.
- LANDSCAPE THE SITE AS SOON AS PRACTICALLY POSSIBLE.
- USE SILT FENCES AROUND ANY STOCKPILES OF SOIL.
- PRIOR TO CONSTRUCTION, SILT FENCE BARRIERS (OPSD 219.110) WILL BE PLACED ALONG THE PROPERTY LINES AS SHOWN ON THE DRAWING.
- THE SILT FENCE SHOULD BE REMOVED ONLY WHEN THE SITE IS STABILIZED.
- INSTALL FILTER SOCKS ACROSS ALL EXISTING AND PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES PRIOR TO CONSTRUCTION.



DRAWING NUMBER:
170628-ERC

KEY PLAN:
N.T.S.

DRAWING:
EROSION & SEDIMENT CONTROL PLAN

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Engineers

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