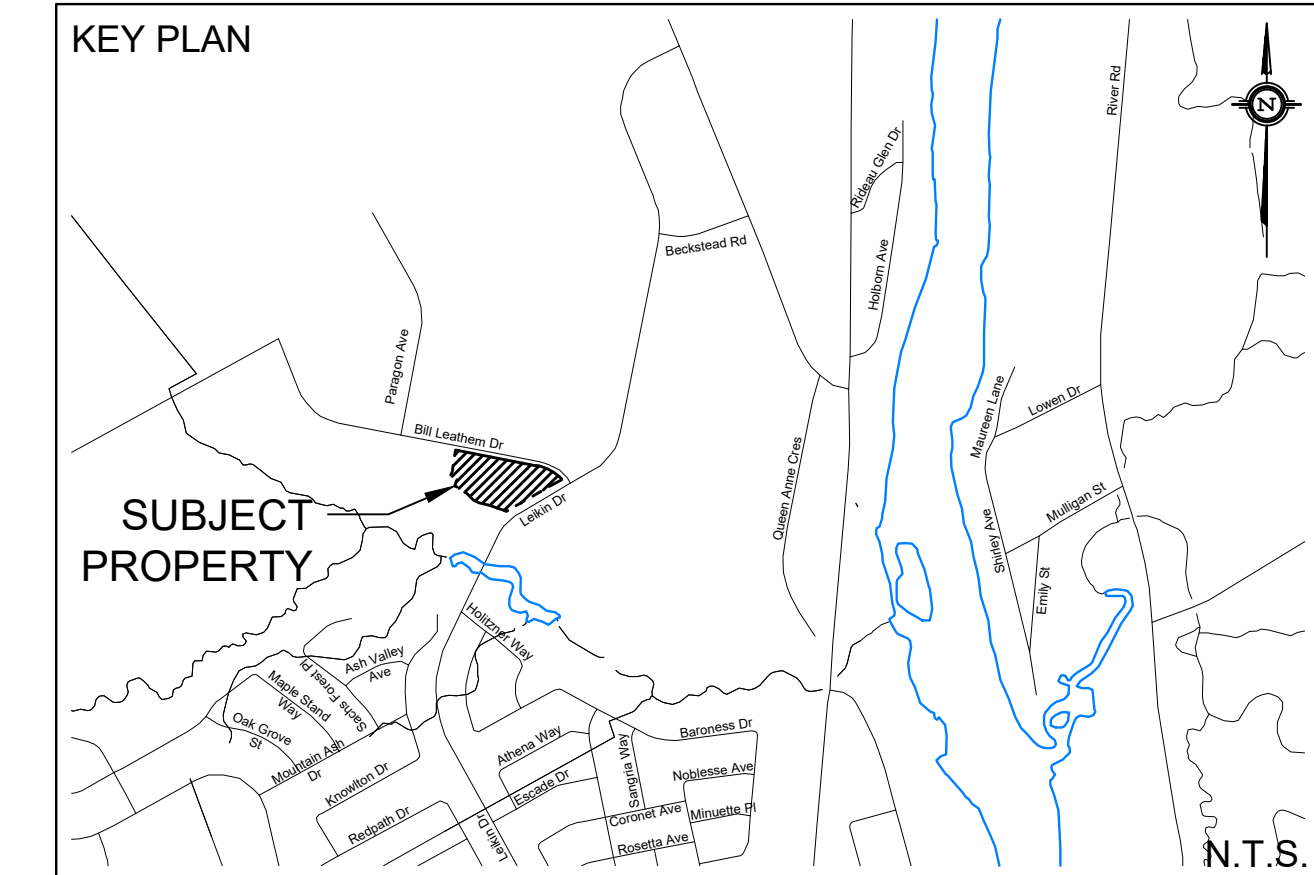


**STORAGE AVAILABLE 'A1+EX1':**

DESCRIPTION	Elev.(m)	Del.d(m)	Area(m <sup>2</sup> )	V.acc(m <sup>3</sup> )
ICD INV.	85.97	0.00	N/A	0.0
STORAGE PIPE SL	86.23	0.26	N/A	0.0
STORAGE PIPE OBV	86.50	0.26	N/A	0.0
T/L	89.05	2.55	0.4	0.30
0.15m PONDING	89.20	0.15	689.5	35.70
0.30m PONDING	89.35	0.15	2990.4	291.40
V 5-YEAR REQUIRED=	84.90m <sup>3</sup>			
V 100-YEAR REQUIRED=	256.80m <sup>3</sup>			
V AVAILABLE=	291.40m <sup>3</sup>			



**LEGEND**

	PROPERTY LINE		PROPOSED STORM MANHOLE
	PROPOSED STORM SEWER		PROPOSED CATCH BASIN
	DRAINAGE DIVIDE		PROPOSED CB 'T'
	PROPOSED SWALE		
	PROPOSED PERFORATED SUBDRAIN		
	MAJOR SYSTEM FLOW ROUTE		
	DRAINAGE AREA ID		
	AREA IN Ha		
	RATIONAL METHOD RUNOFF COEFFICIENT		
	SURFACE PONDING AREA		
	MAX PONDING		
	INTERMEDIATE PONDING		

**NOT FOR CONSTRUCTION**

**TOPOGRAPHIC INFORMATION**  
 TOPOGRAPHIC INFORMATION PROVIDED BY STANTEC GEOMATICS INC.  
 PROJ. NO. 161613463-111  
 DATED FEBRUARY 29, 2016

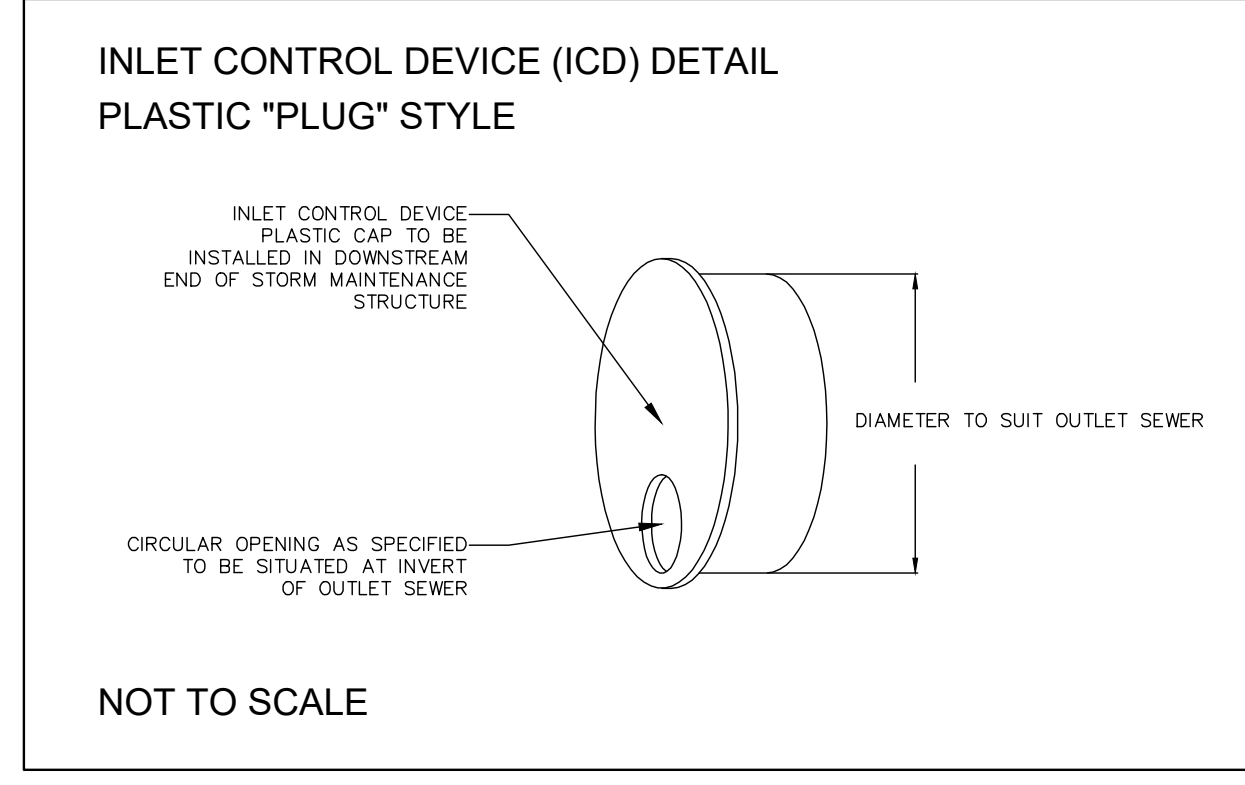
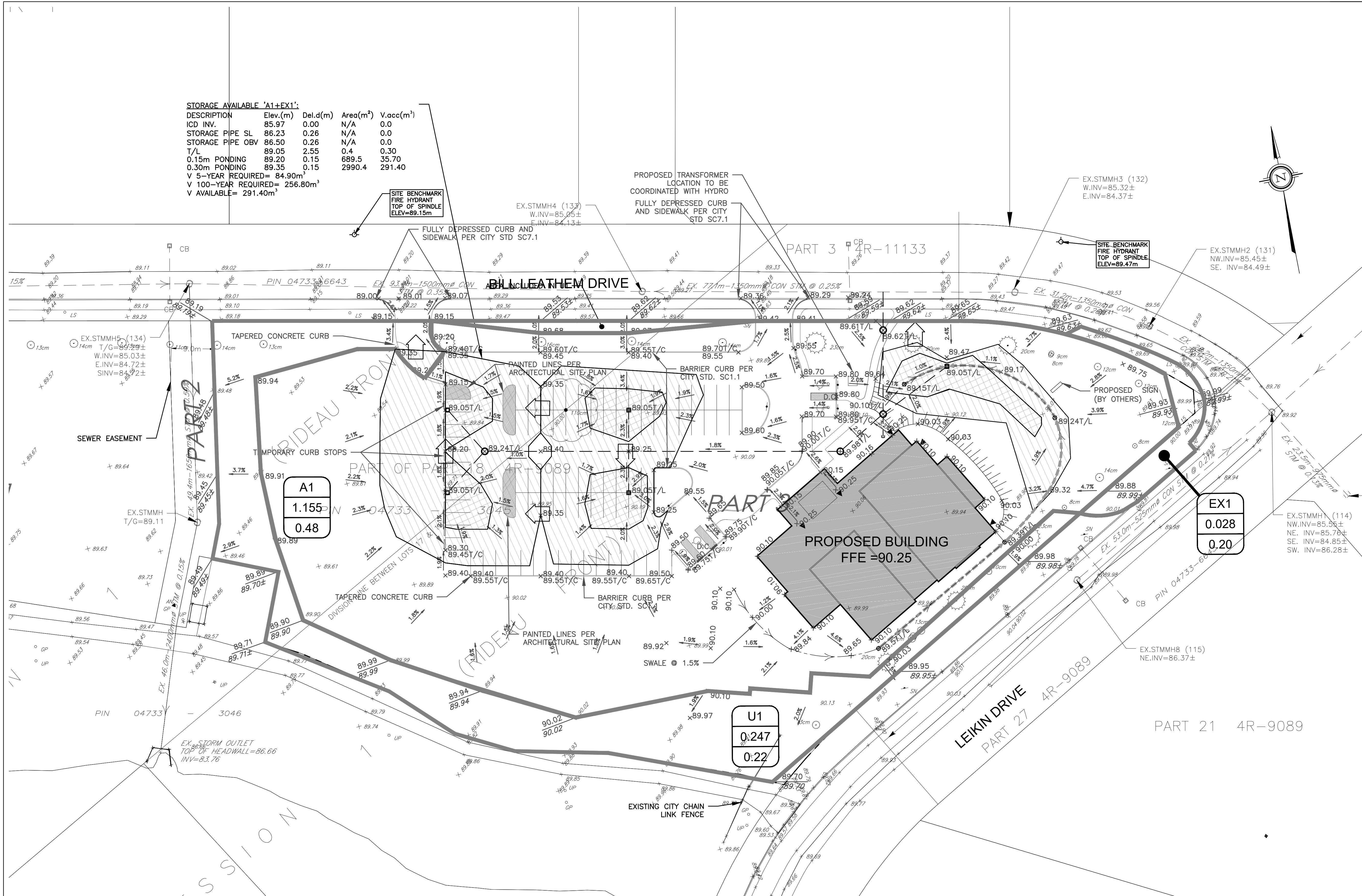
**SITE PLAN INFORMATION**  
 SITE PLAN PROVIDED BY VANDENBERG & WILDEBOER ARCHITECTS  
 PROJ. NO. 1502  
 DATED OCTOBER 21, 2016

**GEOTECHNICAL STUDY**  
 GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP INC.  
 PROJ. NO. PG3792-1  
 DATED APRIL 8, 2016

**SITE SERVICING AND STORMWATER MANAGEMENT STUDY**  
 SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY DSEL  
 PROJ. NO. 16-855  
 DATED APRIL 12, 2016

**BENCH MARK**  
 TOP OF SPINDLE OF FIRE HYDRANT LOCATED NORTH EAST OF SITE  
 ELEV=89.47  
 TOP OF SPINDLE OF FIRE HYDRANT LOCATED NORTH WEST OF SITE  
 ELEV=89.15

No.	BY	DATE	DESCRIPTION
2	A.J.G.	16.10.21	ISSUED FOR MUNICIPAL REVIEW
1	A.J.G.	16.04.19	ISSUED FOR MUNICIPAL REVIEW



PROJECT No. 16-855

**STORMWATER MANAGEMENT PLAN**  
 102 BILL LEATHEN DRIVE © DSEL

THE SALVATION ARMY BARRHAVEN CHURCH  
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 www.DSEL.ca

DRAWN BY:	A.J.G.	CHECKED BY:	R.D.F.	DRAWING NO.	SHEET NO.
DESIGNED BY:	R.D.F.	CHECKED BY:	A.D.F.	SWM-1	1 of 2
SCALE:	1:400	DATE:	OCTOBER 2016		