

NOTES: GENERAL

- 1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS...
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING...

NOTES: WATERMAIN

- 1. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE...

NOTES: STORM SEWERS AND STRUCTURES

- 15. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.
16. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
17. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.

NOTES: SANITARY SEWER AND MANHOLES

- 10. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
11. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2.3.4.
12. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.

NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

- 1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.

NOTES: EROSION AND SEDIMENT CONTROL

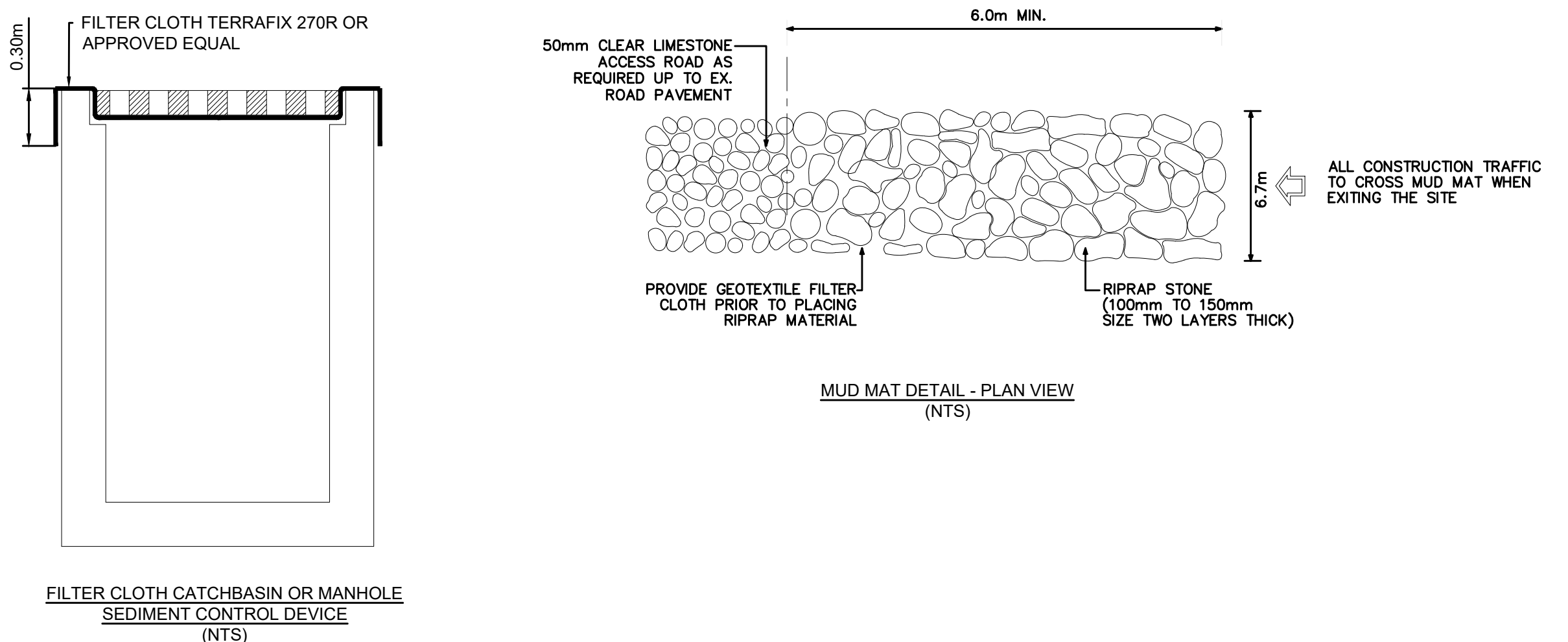
- ** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. **
1. PRIOR TO START OF CONSTRUCTION:
1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C12.
1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).

Table with 3 columns: COURSE, MATERIAL, THICKNESS. Rows include SURFACE (HL3 OR SUPERPAVE 12.5 AC), BINDER (HL6 OR SUPERPAVE 19.0 AC), BASECOURSE (OPSS GRANULAR 'A'), and SUBBASE (OPSS GRANULAR 'B' TYPE II).

Table with 3 columns: COURSE, MATERIAL, THICKNESS. Rows include SURFACE (HL3 OR SUPERPAVE 12.5 AC), BASECOURSE (OPSS GRANULAR 'A'), and SUBBASE (OPSS GRANULAR 'B' TYPE II).

Table with 3 columns: COURSE, MATERIAL, THICKNESS. Rows include SURFACE (TOPSOIL), BASECOURSE (SAND BLANKET), and SUBBASE (OPSS GRANULAR 'B' TYPE II).

LEGEND:



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Professional Engineer seal for J. W. ZHANG, License No. 100155766, 2022-04-13, Province of Ontario. Includes a north arrow symbol.

Client information: Conseil des écoles publiques de l'Est de l'Ontario. Client Ref # and Project details.

Project title: CEPEO BARRHAVEN MANOTICK ELEMENTARY SCHOOL. Includes a key plan map showing the site location.

Key plan map showing the project site location within the surrounding area.

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Table with 4 columns: ISSUED FOR, REVISION, DATE, DESCRIPTION. Shows revision 2 on 13 APR 2022 for SPA and revision 1 on 21 MAR 2022 for BID AND PERMIT.

Table with 2 columns: PROJECT NO., DATE. Project No: 219-00014-01, Date: MARCH 2022.

Table with 2 columns: ORIGINAL SCALE, DATE. Original Scale: 1:400, Date: MARCH 2022.

Table with 2 columns: DESIGNED BY, DRAWN BY. Designed by: JZ, Drawn by: JT.

Table with 2 columns: CHECKED BY, DATE. Checked by: JZ, Date: 2022-04-13.

Table with 2 columns: TITLE, SHEET NUMBER. Title: NOTES AND DETAILS, Sheet Number: C01.

ISSUE: ISSUED FOR SPA. SHEET #: 1 OF 6. REV # 0. DATE OF: 2022-04-13.

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STORM STRUCTURE AND ICD DATA TABLE													
STRUCTURE ID	AREA ID	SIZE	STRUCTURE	COVER	TOP OF GRATE	INVERT			DIAMTER (mm)	TYPE	HEAD (m)	FLOW (l/s)	ICD TYPE
						INLET	INLET	OUTLET					
CEPEO BARRHAVEN MANOTICK ELEMENTARY SCHOOL													
CBMH1	S-5	1200mm DIA.	OPSD 701.010	S28.1	103.84	101.370	101.190		375	PVC SDR-35			
CBMH2	S-7	1200mm DIA.	OPSD 701.010	S28.1	103.84	101.060	100.980		450	CONC. CL 100-D			
CBMH3	S-10	1200mm DIA.	OPSD 701.010	S28.1	104.20	102.000	101.450	100.830	100.750	525	CONC. CL 100-D		
CBMH4	S-11	1200mm DIA.	OPSD 701.010	S28.1	103.90					525	CONC. CL 100-D		
CBMH5	S-14	1200mm DIA.	OPSD 701.010	S28.1	103.90	101.300	100.400	100.360	525	CONC. CL 100-D	3.54	255	250 mm
STM MH1		1200mm DIA.	OPSD 701.010	S24.1	104.10	100.270	99.800		525	CONC. CL 100-D			
STM MH2		1500mm DIA.	OPSD 701.011	S24.1	104.11	101.480	99.550	99.480	600	CONC. CL 100-D			
CB1	S-3	600X600mm	OPSD 705.010	S19.1	103.75				101.470	200	PVC SDR-35		
CB2	S-4	600X600mm	OPSD 705.010	S19.1	103.95				101.670	200	PVC SDR-35		
CB3	S-6	600X600mm	OPSD 705.010	S19.1	103.84				101.490	250	PVC SDR-35		
CB4	S-8	600X600mm	OPSD 705.010	S19.1	103.90				101.400	200	PVC SDR-35		
CB5	S-9	600X600mm	OPSD 705.010	S19.1	104.20				101.900	200	PVC SDR-35		
CB6	S-13	600X600mm	OPSD-400.083	S19.1	106.30			104.700	104.000	250	PVC SDR-35		
ECB1	S-12	300mm DIA.	S30	S30	106.30				105.300	250	HDPE		
TCB2	S-13	300mm DIA.	S30	S30	106.30			104.990	104.990	250	HDPE		

SAN STRUCTURE TABLE								
STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT				DESCRIPTION		
		INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER
SAM MH1	103.81			101.170	99.920	1200mm DIA.	OPSD-701.010	S24

PIPE CROSSING TABLE								
		Invert			Obvert			
		Invert	Obvert	Clearance	Invert	Obvert	Clearance	
1	150mmØ PVC WM	103.700	103.850	1.230	Clearance Under	105.080	105.330	250mmØ HDPE STM
2	150mmØ PVC WM	101.800	101.950	0.630	Clearance Above	100.640	101.170	525mmØ CONC STM
3	150mmØ PVC WM	101.200	101.350	0.970	Clearance Above	99.700	100.230	525mmØ CONC STM
4	200mmØ PVC WM	101.330	101.530	1.160	Clearance Above	99.640	100.170	525mmØ CONC STM
5	200mmØ PVC SAN	101.400	101.600	1.310	Clearance Above	99.560	100.090	525mmØ CONC STM

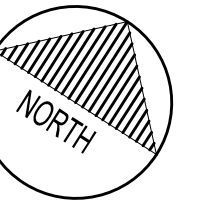
WATERMAIN SCHEDULE						
STATION	DESCRIPTION	FINISHED GRADE	TOP OF WATERMAIN	AS-BUILT WATERMAIN	COVER	
150mm W/M Looping						
0+000	45° Bend Connect to EX.WM	103.770		101.000		2.770
0+001.81	45° Bend	103.870	101.000			2.870
0+014.32	200 x 200 TEE	103.930	101.270			2.660
0+014.78	200mm VB	103.940	101.270			2.670
0+015.73	200 x 200 Tee	103.950	101.270			2.680
0+017.41	200 x 150 Reducer	103.970	101.300			2.670
0+022.93	45° Bend	104.030	101.400			2.630
0+030.68	45° Bend	104.280	101.500			2.780
0+070.96	Crossing 525mmØ CONC STM	104.320	101.870			2.450
0+089.12	150 x 150 TEE	104.710	102.250			2.460
0+176.16	Crossing 250mmØ HDPE STM	106.300	103.850			2.450
0+182.22	150mm VB	107.590	104.380			3.210
0+189.26	300 x 150 TEE Connect to EX. 305mmØ W/M	107.640	105.120	105.120		2.520
From 200x200 TEE TO PROSPED BUILDING						
1+000	200 x 200 TEE	103.930	101.270			2.660
1+005.17	200mm VB	104.280	101.710			2.570
1+006.22	WATER CAP	104.340	101.800			2.540
From 200x200 TEE TO PROSPED BUILDING						
2+000	200 x 200 TEE	104.280	101.500			2.780
2+005.17	200mm VB	104.280	101.710			2.570
2+006.22	WATER CAP	104.340	101.800			2.540
From 150x150 TEE TO PROSPED FIRE HYDRANT						
3+000	150X150 TEE	104.710	102.200			2.510
3+005.33	150mm GV	104.690	102.200			2.490
3+006.36	FIRE HYDRANT	104.680	102.200			2.480



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OTTAWA, ONTARIO
CANADA K2B 9K2
T: 613-829-2800
F: 613-829-8299
WWW.WSP.COM

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1345 ROSEMOUNT AVENUE
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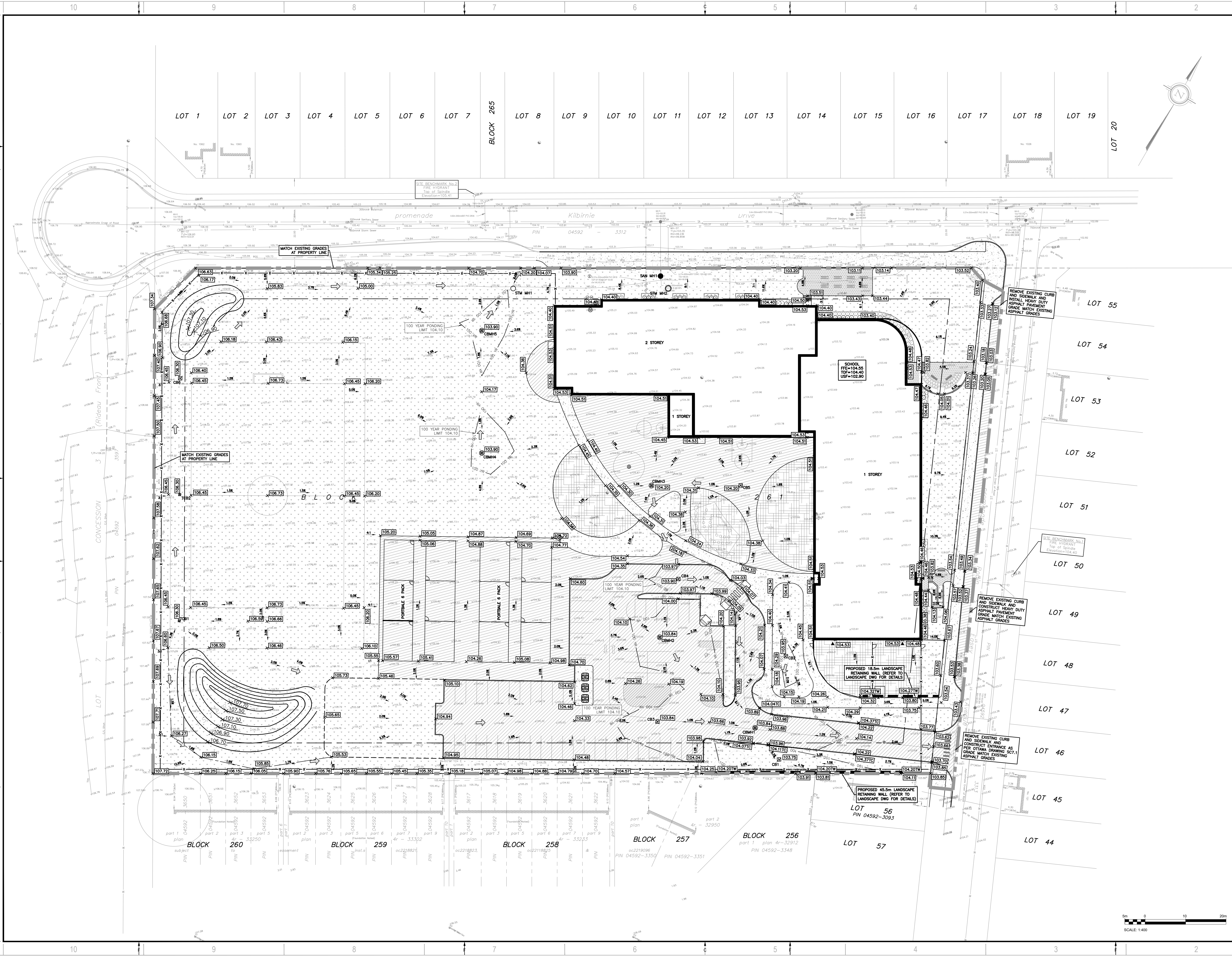
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2		13 APR 2022	ISSUED FOR SPA
1		21 MAR 2022	ISSUED FOR BID AND PERMIT

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TITLE:	DETAILS
SHEET NUMBER:	C02
SHEET #:	2 OF 6
ISSUE:	ISSUED FOR SPA
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REV #:	0

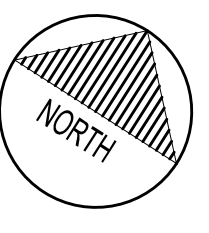
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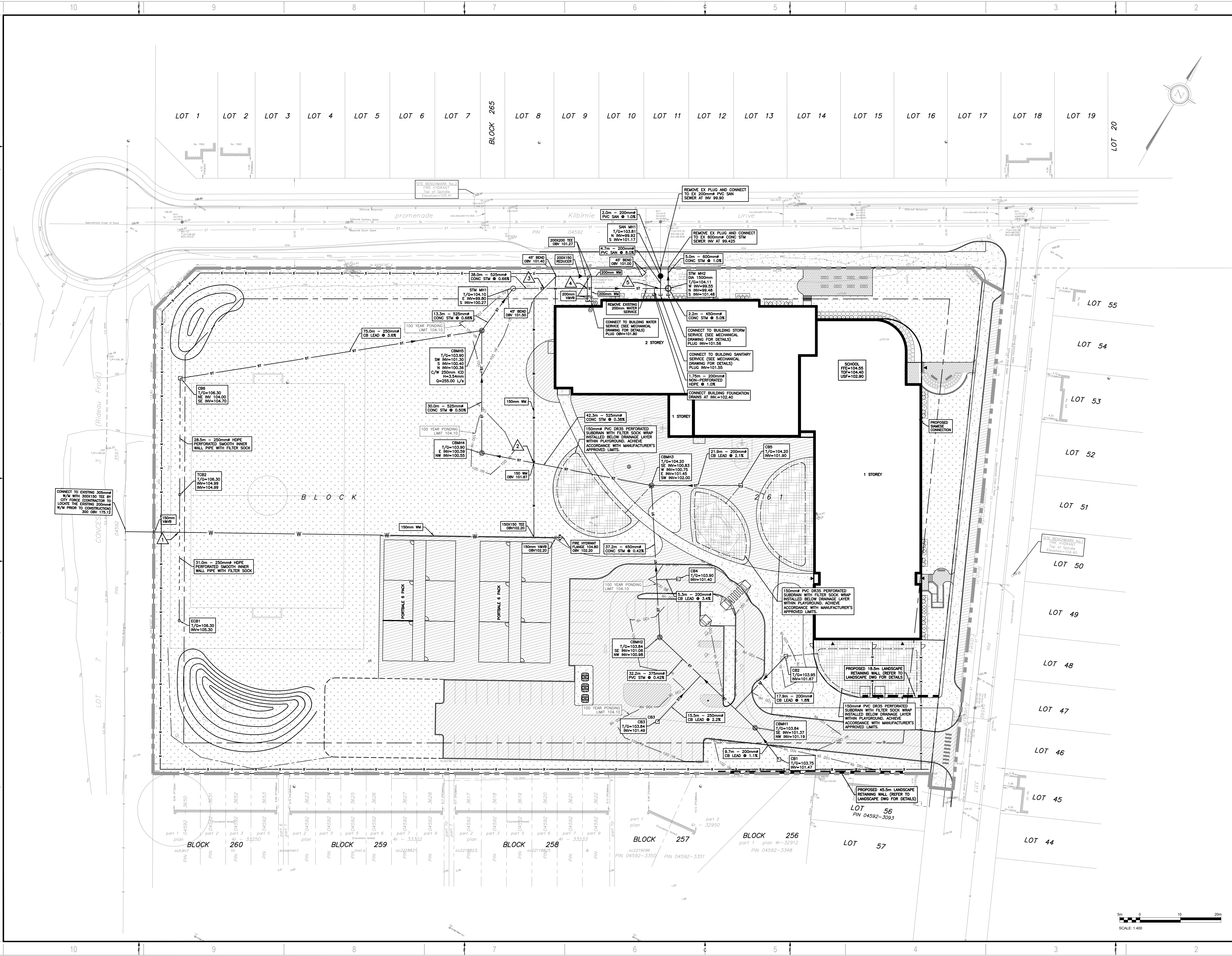
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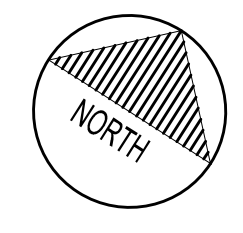
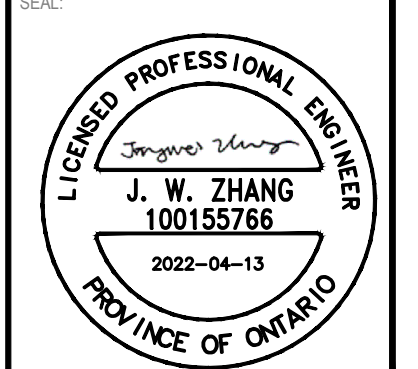
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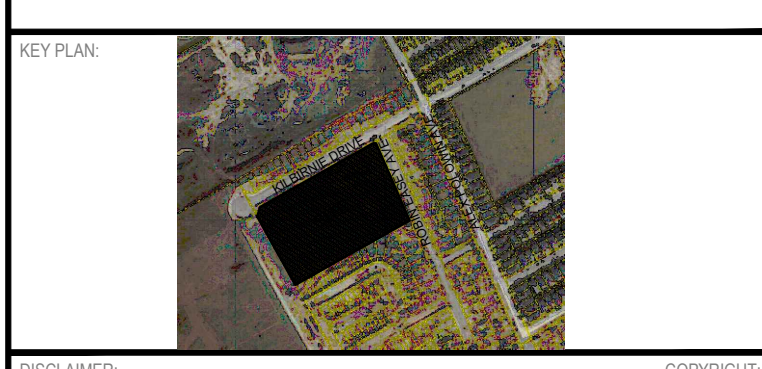
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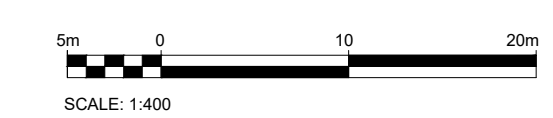


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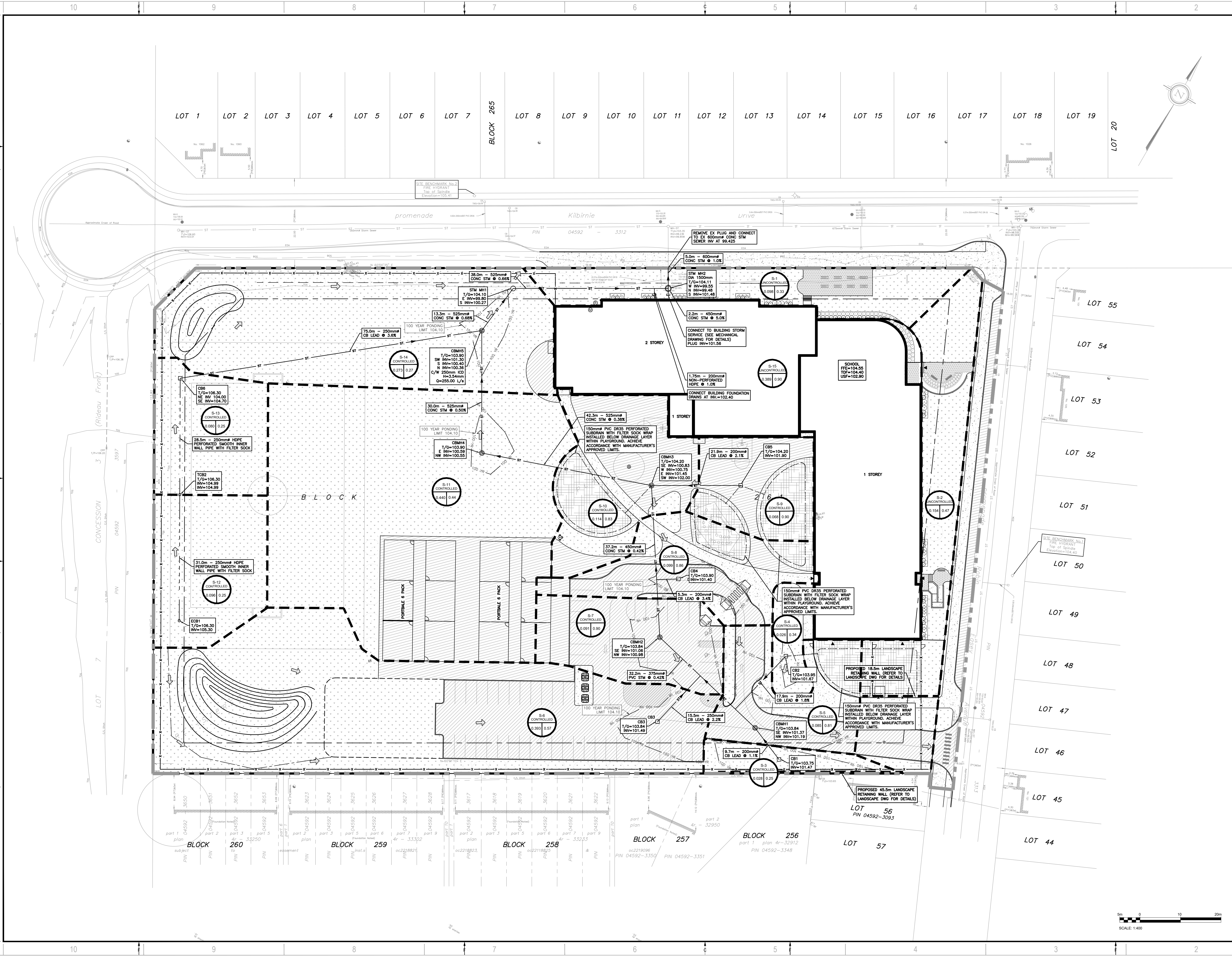
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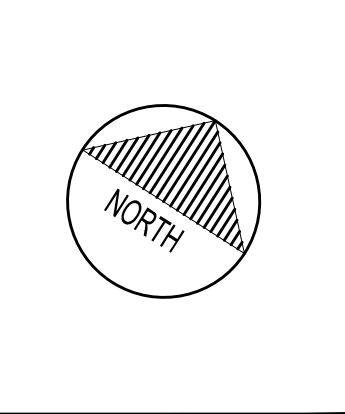
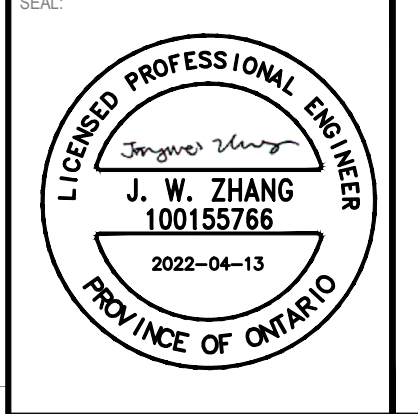
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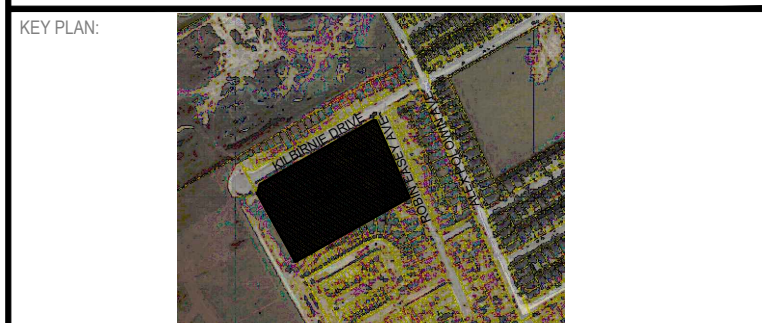
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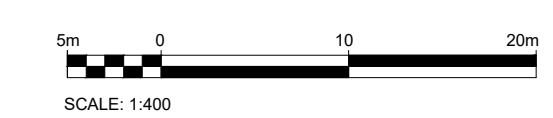
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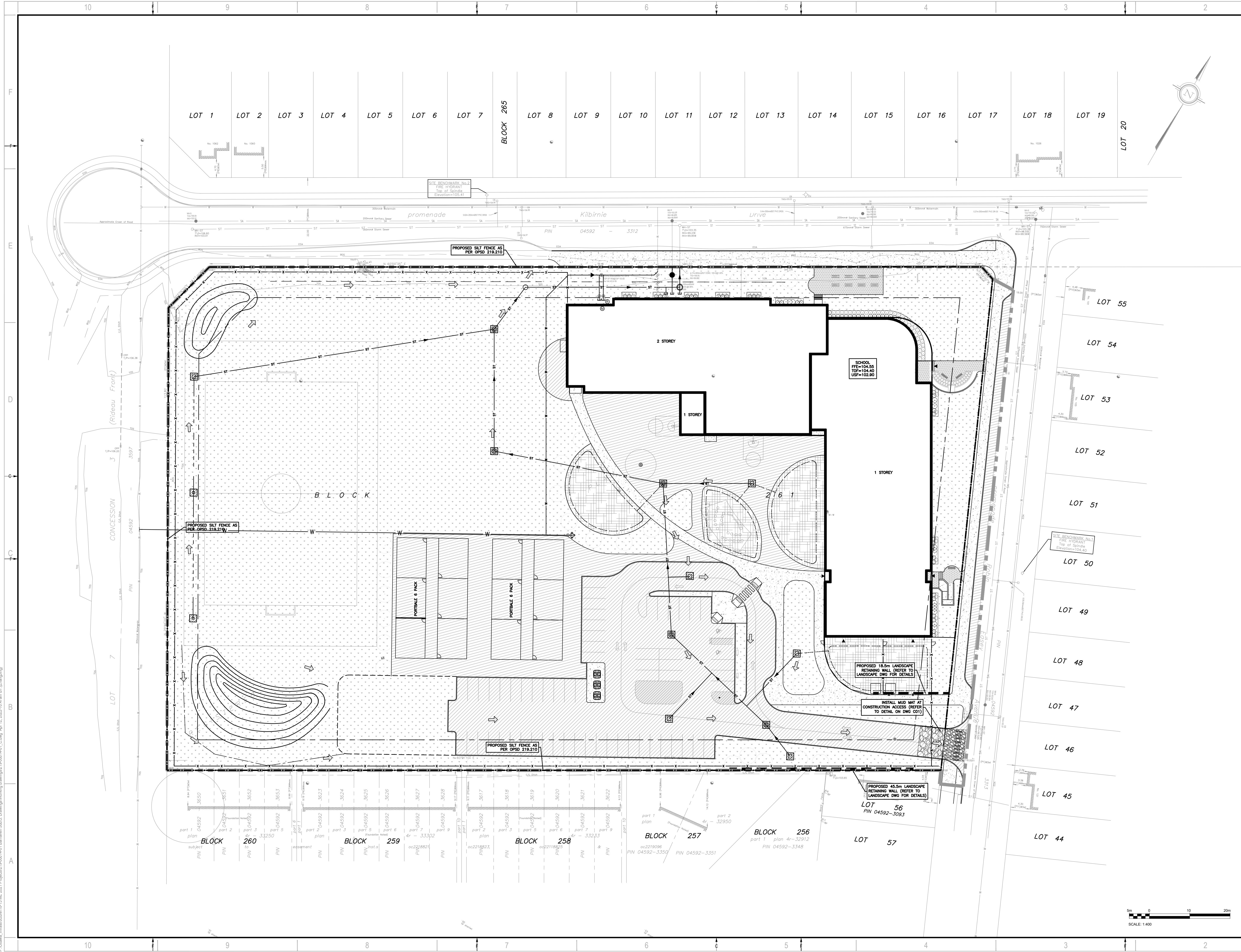
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SHEET #: 5 OF 6	
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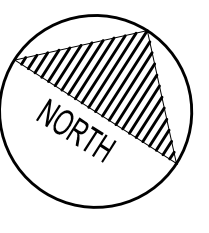
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OTTAWA, ONTARIO
CANADA K2B 3K2
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F: 613-829-8299
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TITLE: EROSION AND SEDIMENT CONTROL PLAN
SHEET NUMBER: C06
SHEET #: 5 OF 6
ISSUE: ISSUED FOR SPA
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