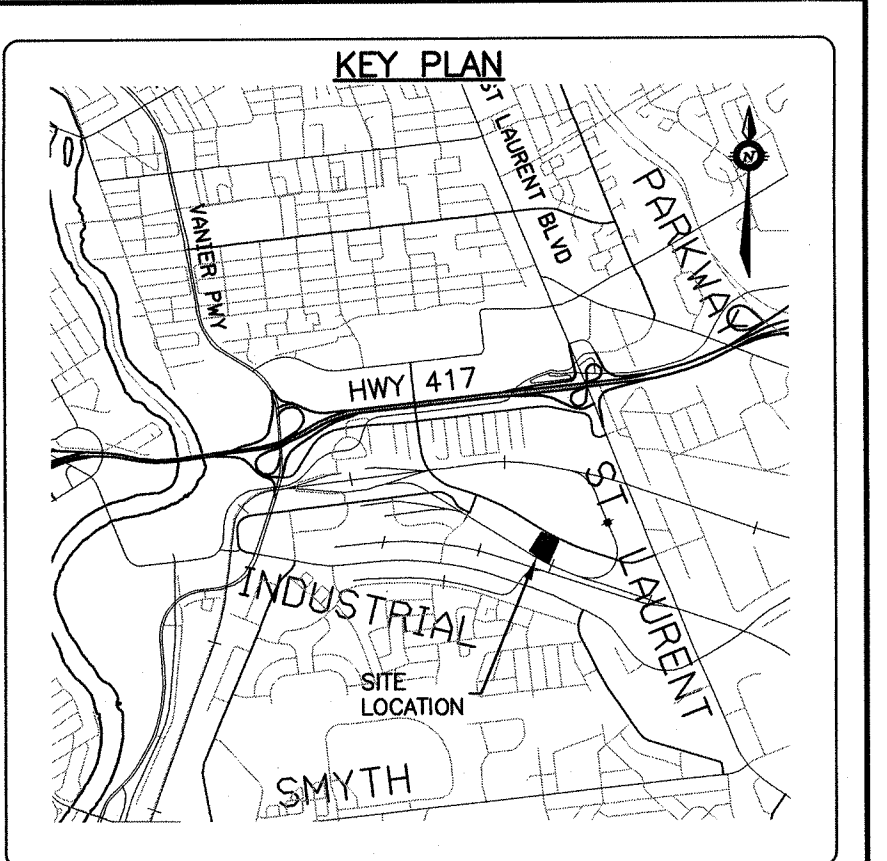
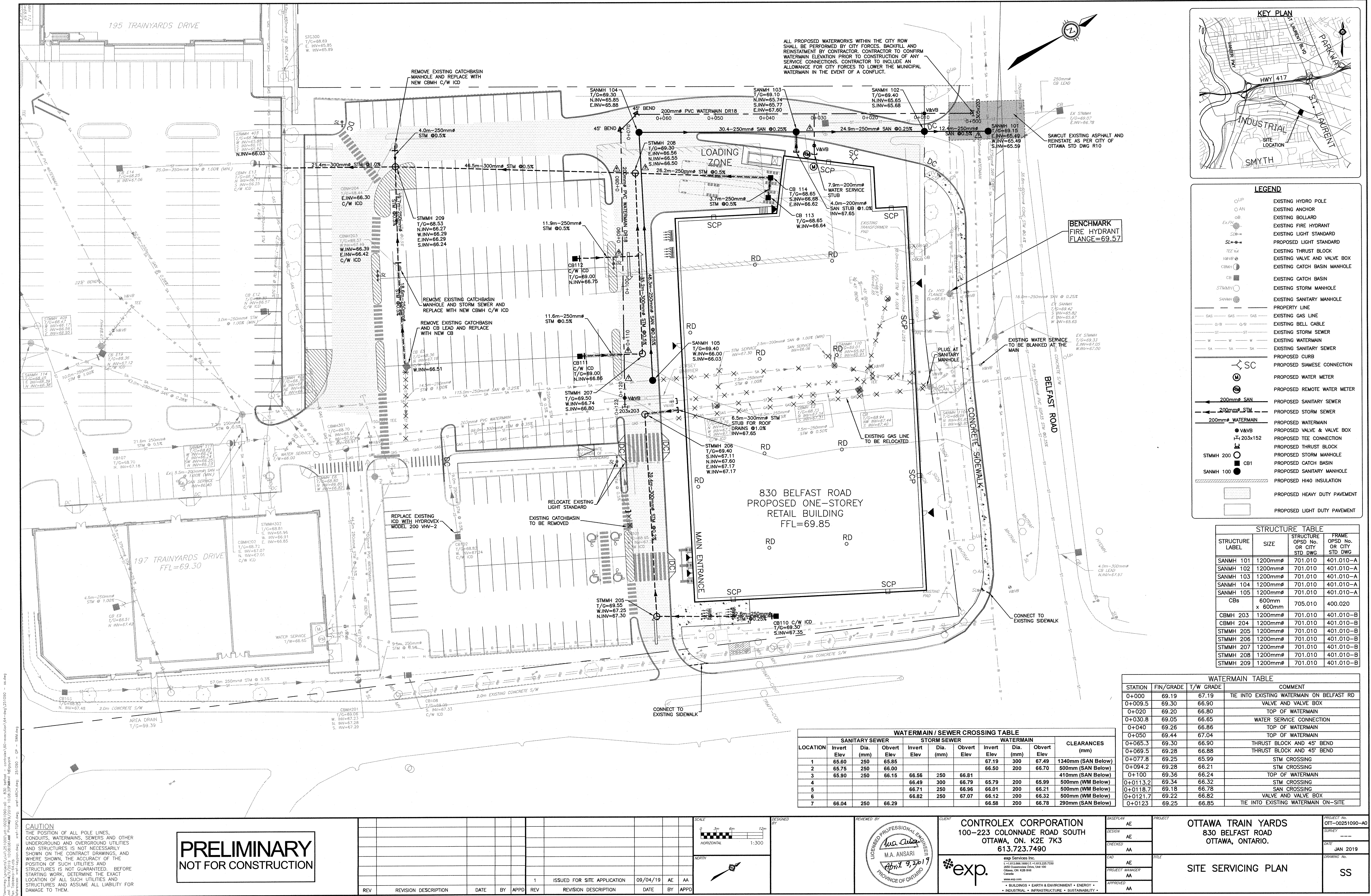




LEGEND

○	EXISTING HYDRO POLE
○	EXISTING ANCHOR
○	EXISTING BOLLARD
○	EXISTING FIRE HYDRANT
○	EXISTING LIGHT STANDARD
○	PROPOSED LIGHT STANDARD
○	EXISTING THRUST BLOCK
○	EXISTING VALVE AND VALVE BOX
○	EXISTING CATCH BASIN MANHOLE
○	EXISTING CATCH BASIN
○	EXISTING STORM MANHOLE
○	EXISTING SANITARY MANHOLE
○	PROPERTY LINE
○	EXISTING GAS LINE
○	EXISTING BELL CABLE
○	EXISTING STORM SEWER
○	EXISTING WATERMAIN
○	EXISTING SANITARY SEWER
○	PROPOSED CURB
○	PROPOSED SIAMSE CONNECTION
○	PROPOSED WATER METER
○	PROPOSED REMOTE WATER METER
○	PROPOSED SANITARY SEWER
○	PROPOSED STORM SEWER
○	PROPOSED WATERMAIN
○	PROPOSED VALVE & VALVE BOX
○	PROPOSED TEE CONNECTION
○	PROPOSED THRUST BLOCK
○	PROPOSED STORM MANHOLE
○	PROPOSED CATCH BASIN
○	PROPOSED SANITARY MANHOLE
○	PROPOSED H140 INSULATION
○	PROPOSED HEAVY DUTY PAVEMENT
○	PROPOSED LIGHT DUTY PAVEMENT

STRUCTURE TABLE

STRUCTURE LABEL	SIZE	STRUCTURE OPSD No. OR CITY STD DWG	FRAME OPSD No. OR CITY STD DWG
SANMH 101	1200mm	701.010	401.010-A
SANMH 102	1200mm	701.010	401.010-A
SANMH 103	1200mm	701.010	401.010-A
SANMH 104	1200mm	701.010	401.010-A
SANMH 105	1200mm	701.010	401.010-A
CBs	600mm x 600mm	705.010	400.020
CBMH 203	1200mm	701.010	401.010-B
CBMH 204	1200mm	701.010	401.010-B
STMMH 205	1200mm	701.010	401.010-B
STMMH 206	1200mm	701.010	401.010-B
STMMH 207	1200mm	701.010	401.010-B
STMMH 208	1200mm	701.010	401.010-B
STMMH 209	1200mm	701.010	401.010-B

WATERMAIN TABLE

STATION	FIN/GRADE	T/W GRADE	COMMENT
0+000	69.19	67.19	TIE INTO EXISTING WATERMAIN ON BELFAST RD
0+009.5	69.30	66.90	VALVE AND VALVE BOX
0+020	69.20	66.80	TOP OF WATERMAIN
0+030.8	69.05	66.65	WATER SERVICE CONNECTION
0+040	69.26	66.86	TOP OF WATERMAIN
0+050	69.44	67.04	TOP OF WATERMAIN
0+065.3	69.30	66.90	THRUST BLOCK AND 45° BEND
0+069.5	69.28	66.88	THRUST BLOCK AND 45° BEND
0+077.8	69.25	65.99	STM CROSSING
0+094.2	69.28	66.21	STM CROSSING
0+100	69.36	66.24	TOP OF WATERMAIN
0+1013.2	69.34	66.32	STM CROSSING
0+1118.7	69.18	66.78	SAN CROSSING
0+121.7	69.22	66.82	VALVE AND VALVE BOX
0+1213	69.25	66.85	TIE INTO EXISTING WATERMAIN ON-SITE

WATERMAIN / SEWER CROSSING TABLE

LOCATION	SANITARY SEWER			STORM SEWER			WATERMAIN			CLEARANCES (mm)
	Invert Elev	Dia. (mm)	Obvert Elev	Invert Elev	Dia. (mm)	Obvert Elev	Invert Elev	Dia. (mm)	Obvert Elev	
1	65.60	250	65.85				66.50	300	67.49	1340mm (SAN Below)
2	65.75	250	66.00				66.50	200	66.70	500mm (SAN Below)
3	65.90	250	66.15	66.56	250	66.81				410mm (SAN Below)
4				66.49	300	66.79	65.79	200	65.99	500mm (WM Below)
5				66.71	250	66.96	66.01	200	66.21	500mm (WM Below)
6				66.82	250	67.07	66.12	200	66.32	500mm (WM Below)
7	66.04	250	66.29				66.58	200	66.78	290mm (SAN Below)

CAUTION

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PRELIMINARY

NOT FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DATE	BY	APPD
1	ISSUED FOR SITE APPLICATION	09/04/19	AE	AA

SCALE: 1:300

DESIGNED BY: M.A. ANSARI

PROVINCE OF ONTARIO

CLIENT: CONTROLEX CORPORATION

100-223 COLONNADE ROAD SOUTH

OTTAWA, ON. K2E 7K3

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exp Services Inc.

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •

• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

PROJECT: OTT-00251090-A0

SURVEY: ---

DATE: JAN 2019

DRAWING No.: SS

OTTA TRAIN YARDS

830 BELFAST ROAD

OTTAWA, ONTARIO.

SITE SERVICING PLAN