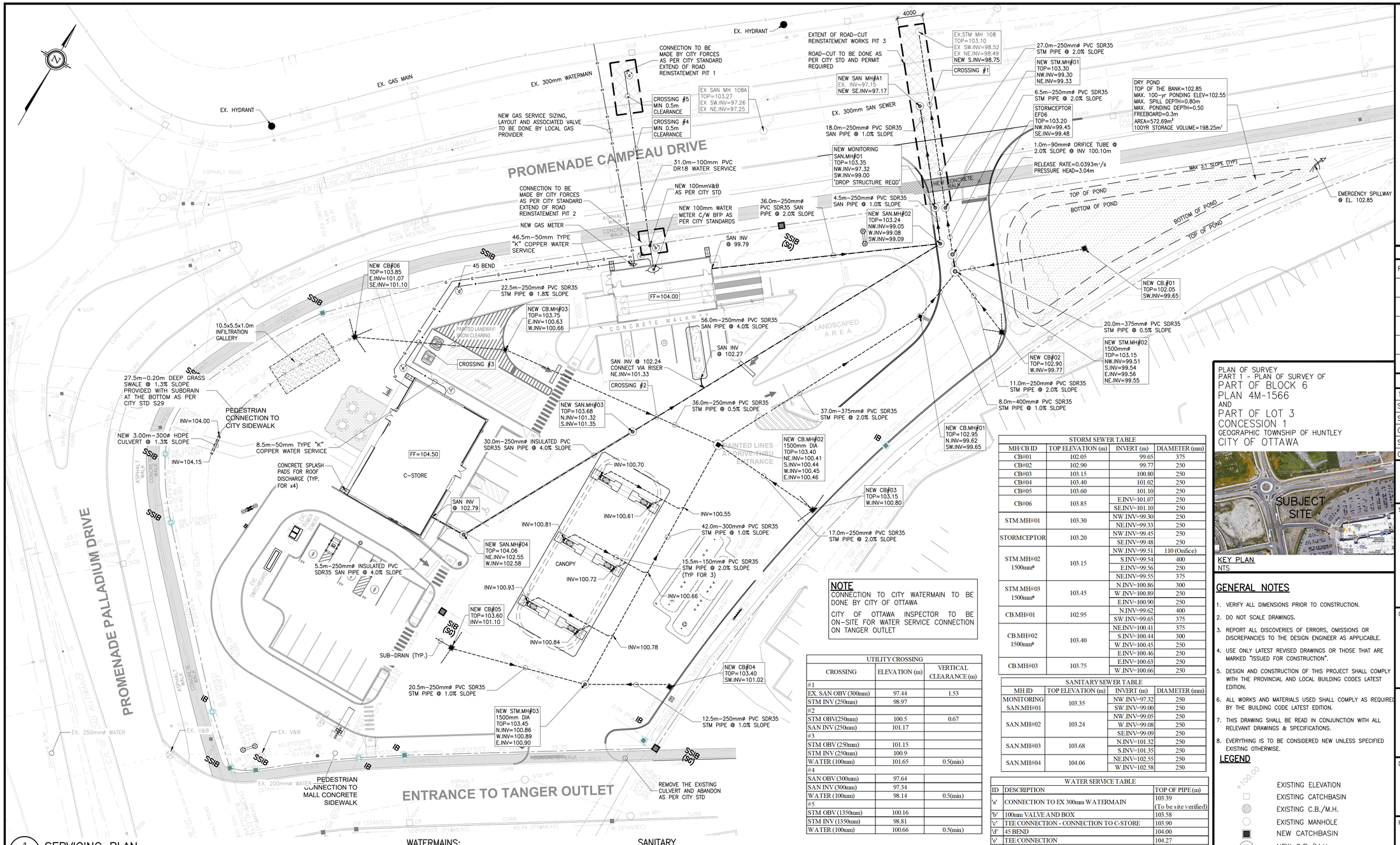

NOTE

CONNECTION TO CITY WATERMAIN TO BE DONE BY CITY OF OTTAWA

CITY OF OTTAWA INSPECTOR TO BE ON-SITE FOR WATER SERVICE CONNECTION ON TANGER OUTLET

UTILITY CROSSING		
CROSSING	ELEVATION (m)	VERTICAL CLEARANCE (m)
#1		
EX. SAN OBV (300mm)	97.44	1.53
STM INV (250mm)	98.97	
#2		
STM OBV(250mm)	100.5	0.67
SAN INV (250mm)	101.17	
#3		
STM OBV (250mm)	101.15	
STM INV (250mm)	100.9	
WATER (100mm)	101.65	0.5(min)
#4		
SAN OBV (300mm)	97.64	
SAN INV (300mm)	97.34	
WATER (100mm)	98.14	0.5(min)
#5		
STM OBV (1350mm)	100.16	
STM INV (1350mm)	98.81	
WATER (100mm)	100.66	0.5(min)

STORM SEWER TABLE			
MH/CB ID	TOP ELEVATION (m)	INVERT (m)	DIAMETER (mm)
CB#01	102.05	99.65	375
CB#02	102.90	99.77	250
CB#03	103.15	100.80	250
CB#04	103.40	101.02	250
CB#05	103.60	101.10	250
CB#06	103.85	E.INV=101.07	250
		SE.INV=101.10	250
STM.MH#01	103.30	NW.INV=99.30	250
		NE.INV=99.33	250
STORMCEPTOR	103.20	NW.INV=99.45	250
		SE.INV=99.48	250
STM.MH#02 1500mmø	103.15	NW.INV=99.51	110 (Orifice)
		S.INV=99.54	400
		E.INV=99.56	250
		NE.INV=99.55	375
STM.MH#03 1500mmø	103.45	N.INV=100.86	300
		W.INV=100.89	250
		E.INV=100.90	250
CB.MH#01	102.95	N.INV=99.62	400
		SW.INV=99.65	375
CB.MH#02 1500mmø	103.40	NE.INV=100.41	375
		S.INV=100.44	300
		W.INV=100.45	250
		E.INV=100.46	250
CB.MH#03	103.75	E.INV=100.63	250
		W.INV=100.66	250

SANITARY SEWER TABLE			
MH ID	TOP ELEVATION (m)	INVERT (m)	DIAMETER (mm)
MONITORING SAN.MH#01	103.35	NW.INV=97.32	250
		SW.INV=99.00	250
SAN.MH#02	103.24	NW.INV=99.05	250
		W.INV=99.08	250
		SE.INV=99.09	250
SAN.MH#03	103.68	N.INV=101.32	250
		S.INV=101.35	250
SAN.MH#04	104.06	NE.INV=102.55	250
		W.INV=102.58	250

WATER SERVICE TABLE		
ID	DESCRIPTION	TOP OF PIPE (m)
'a'	CONNECTION TO EX 300mm WATERMAIN	103.39 (To be site verified)
'b'	100mm VALVE AND BOX	103.58
'c'	TEE CONNECTION - CONNECTION TO C-STORE	103.90
'd'	45 BEND	104.00
'e'	TEE CONNECTION	104.27
'f'	CONNECTION TO C-STORE	104.50

1 SERVICING PLAN
P-301 SCALE: 1:300

SPECIFICATIONS FOR C.B'S AND M.H.'S

STORM:

1. DROP STRUCTURE IF REQUIRED AS CITY SPECIFICATION AND PER OPSD 1003.010.
2. 600x600 PRECAST CB AS PER OPSD 705.010 c/w FRAME AND GRATE AS PER S19. GOSS TRAP AND SUBDRAINS AS PER CITY STANDARD.1
3. ALL CB TO HAVE 3.0m –150mmø PERFORATED SUBDRAIN IN ALL 4 DIRECTIONS AS PER CITY STANDARDS.
4. 1200ø PRECAST MH AS PER OPSD 701.010 c/w FRAME AS PER S25 AND COVER AS PER S24.1 AND S28.1.
5. BENCHING AS PER OPSD 701.021.
6. BEDDING AS PER CITY STD S6.
7. ADJUSTMENT UNITS AND CAPS AS PER OPSD 704.01.
8. SEWER COVER–GRANULAR 'A' CONFORMING TO OPSD 802.03.
9. PIPE–PVC SDR35 UNLESS NOTED OTHERWISE.
10. CB CONNECTIONS AS PER OPSD 708.03
11. ALL EX. STORM AND SANITARY ABANDONED SHOWN ON THE PLAN OR ENCOUNTERED DURING CONSTRUCTION ARE TO BE EXCAVATED AT THE STREET LINE AND SEALED TO CITY STD.
12. WHEN THE DEPTH OF THE COVER OVER THE PROP. SANITARY OR STORM SEWERS IS LESS THAN 2.0m, SEWER LINES ARE TO BE INSULATED AS PER CITY STD. THE INSULATION TO BE STYROFOAM BRAND H.I. TYPE IV OR EQUAL.

WATERMAINS:

1. ALL NEW WATERMAIN CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY STANDARDS.
2. WATERMAIN AND/OR WATER SERVICES TO HAVE A MINIMUM OF 1.0m HORIZONTAL SEPARATION FROM OTHER UTILITIES AS PER CITY STANDARDS.
3. WHERE WATERMAIN AND/OR WATER SERVICES CROSSES UNDER SANITARY OR STORM SEWER A MINIMUM CLEARANCE OF 0.5m SHALL BE PROVIDED.
4. BEDDING MATERIAL TO BE INSTALLED AS PER CITY STANDARDS.
5. WATER SERVICE TO HAVE MIN. 2.4m COVER. WHERE THE MINIMUM COVER IS NOT POSSIBLE INSULATE AS PER CITY OF OTTAWA STANDARD W22
6. ALL TEES, PLUGS AND BENDS TO HAVE CONCRETE THRUST BLOCKS AS PER CITY STD
7. CONTRACTOR TO PROVIDE PRESSURE TEST RESULTS OF NEW WATERMAIN AND FIRE MAIN.
8. WATERMAIN TO BE INSTALLED WITH TRACER WIRE.

SANITARY

1. 1200ø PRECAST M.H'S AS PER OPSD 701.01 c/w FRAME AS PER S25 AND COVER AS PER S24.
2. DROP STRUCTURE IF REQUIRED AS CITY SPECIFICATION AND PER OPSD 1003.010.
3. BEDDING AS AS PER CITY STD S6.
4. BENCHING AS PER OPSD 701.021.
5. SANITARY PIPES TO BE PVC SDR35.
6. ALL SANITARY SEWERS TO BE TESTED IN ACCORDANCE WITH THE REQUIREMENT OF OBC 7.3.6

EX. UTILITIES NOTES

EXISTING INFORMATION REGARDING UTILITIES ALONG PALLADIUM DR. AND CAMPEAU DR. TO BE SITE VERIFIED

INFORMATION REGARDING EXISTING STORM, SANITARY AND WATER EXTRACTED FROM PROJECT 14289 DWG #103, DATED 2020-05-27 AND DWG #107, DATED 2018-09-14 BY IBI GROUP

SERVICES NOTES:

CONTACT LOCAL UTILITY AGENCIES (GAS, HYDRO & TELEPHONE) TO LOCATE THE EXISTING INCOMING SERVICES, AND USE THE SAME TO SERVE NEW INSTALLATIONS (IF APPLICABLE).

SURVEY NOTES

BEARINGS AND MTM GRID, DERIVED BY REAL TIME NETWORK (RTN) OBSERVATIONS, MTM ZONE 9, NAD 83 (CSRS) (2010.0)

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999907

ELEVATIONS SHOWN ON THIS PLAN ARE REFERRED TO GEODETIC DATUM AND ARE DERIVED FROM CITY OF OTTAWA BENCH MARK 00119883075, HAVING PUBLISHED ELEVATION OF 90.612 METRES

REVISION TABLE			
REV.	DESCRIPTION	DRAWN / DATE	APP'D. / DATE
5	REVISED AS PER SITE PLAN JUN 07,2023 AND CITY COMMENTS	MJ / 15 JUN 23	JS

ISSUE TABLE		
TO	FOR	DATE
SUNCOR	FOR REVIEW	24 FEB 23
CITY	RE-ISSUED FOR SPA	17 MAR 23

PLAN OF SURVEY
PART 1 - PLAN OF SURVEY OF
PART OF BLOCK 6
PLAN 4M-1566
AND
PART OF LOT 3
CONCESSION 1
GEOGRAPHIC TOWNSHIP OF HUNTLEY
CITY OF OTTAWA

KEY PLAN
NTS

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. DO NOT SCALE DRAWINGS.
3. REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE DESIGN ENGINEER AS APPLICABLE.
4. USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
5. DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE PROVINCIAL AND LOCAL BUILDING CODES LATEST EDITION.
6. ALL WORKS AND MATERIALS USED SHALL COMPLY AS REQUIRED BY THE BUILDING CODE LATEST EDITION.
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS & SPECIFICATIONS.
8. EVERYTHING IS TO BE CONSIDERED NEW UNLESS SPECIFIED EXISTING OTHERWISE.

LEGEND

- +100.00 EXISTING ELEVATION
- EXISTING CATCHBASIN
- EXISTING C.B./M.H.
- EXISTING MANHOLE
- NEW CATCHBASIN
- NEW C.B./M.H.
- NEW MANHOLE
- EXISTING STORM LINE
- EXISTING SANITARY LINE
- PROPERTY LINE
- SETBACK LINE
- NEW SANITARY LINE
- NEW STORM LINE
- W NEW WATER LINE
- PHASE 2
- PIPE INSULATION
- SUB-DRAIN
- EXTENT OF ROAD CUT

REVISION TABLE			
REV.	DESCRIPTION	DRAWN / DATE	APP'D. / DATE
0	REVISED AS PER CLIENT COMMENTS	RP	JS 11 FEB 21
1	REVISED AS PER SITE PLAN AND CITY COMMENTS	BR	JS 15 JUL 22
2	WATER SERVICE REVISED	BR	JS 05 AUG 22
4	REVISED AS PER SITE PLAN MAR 14,2023 AND CITY COMMENTS	MJ	JS 14 MAR 23

ISSUE TABLE		
TO	FOR	DATE
SUNCOR	75% REVIEW	11 NOV 20
SUNCOR	PRICING	04 DEC 20
CITY	ISSUED FOR SPA	18 DEC 20
SUNCOR	FOR REVIEW	08 JUL 22
CITY	RE-ISSUED FOR SPA	05 AUG 22

METRIC

ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.. CONTRACTOR TO CHECK/VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ALL DESCREPANCIES TO BE REPORTED TO THE PROJECT DESIGNER. DO NOT SCALE DRAWINGS.

SEAL:

LICENSED PROFESSIONAL ENGINEER
M. Y. SAM
100127775
June 21, 2023
PROVINCE OF ONTARIO

CONSULTANT:
J + B ENGINEERING INC.
TORONTO
25 CENTURIAN DR, SUITE 201
MARKHAM, ON L3R 6N8
416 229 2938
CALGARY
707-10TH AVE, SW SUITE 150
CALGARY AB T2R 0B3
403 355 2255

PETRO-CANADA
A Suncor Energy Business

DRAWING TITLE:
SERVICING PLAN

PROJECT:
PROMENADE PALLADIUM DRIVE
@ PROMENADE CAMPEAU DRIVE
OTTAWA, ON

DRAWN BY: RP	CAD INFO.: SHEET SIZE D (559 x 864)
DRAWING SCALE: 1:300	PETRO-CANADA CAD FILE No.
DATE DRAWN: 2020-10-14	CONSULTANT CAD FILE No. 200258-P301
CHECKED BY: BR	PLOT SCALE 1:1
APPROVED BY: JS	PLOT DATE
	PLOT CONFIGURATION

STD No./OUTLET No.
10565

P301

D07-12-21-0155

#18629