

1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS PER STANDARD STANDARDS.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
4. SUB-BEDDING, IF REQUIRED SHALL BE AS PER THE DIRECTION OF A GEO TECHNICAL ENGINEER.
5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
6. TO MINIMIZE DISCONTINUITY FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SD 28 OR 30 UNDEVELOPED EQUIVALENT. SEWERS AND CONNECTIONS 200mm DIAMETER AND LARGER TO BE PVC SD 36 OR APPROVED EQUIVALENT.
8. INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.30.
9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"x8" LONG MARKER.
10. CONTRACTOR TO TELEVIEW (CTV) ALL PROPOSED SEWERS ONSITE, OUTLET CONNECTION TO TRENCH AND TO PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
11. DYE TESTING IS TO BE COMPLETED ON SANITARY SEWER TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
12. ALL CATCH BASINS EXCEPT MANHOLE LEADS ARE TO BE MINIMUM 200mmØ WITH MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED.
13. ALL CATCH BASINS EXCLUDING LANDSCAPE CATCH BASINS ARE TO HAVE 150mm Ø DRAINAGE OPENING FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.

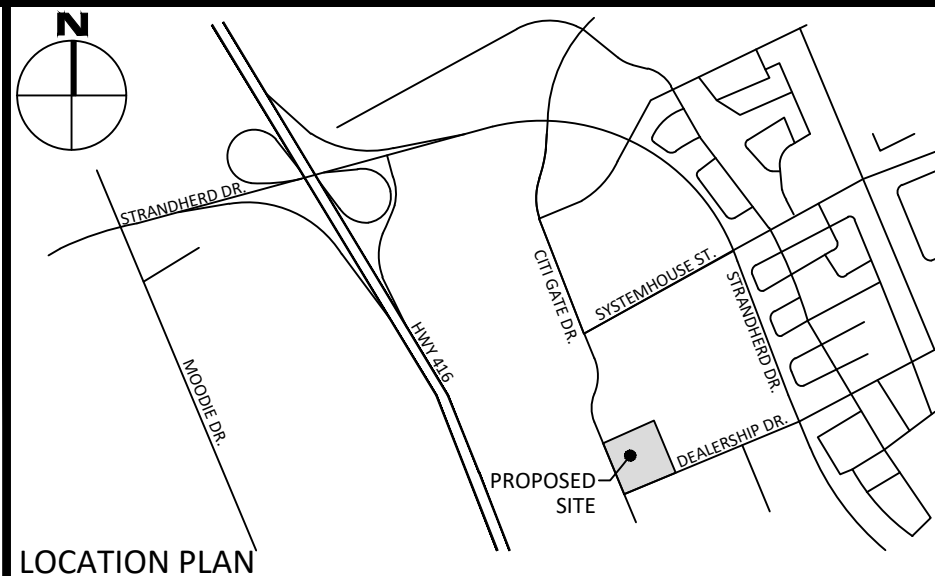
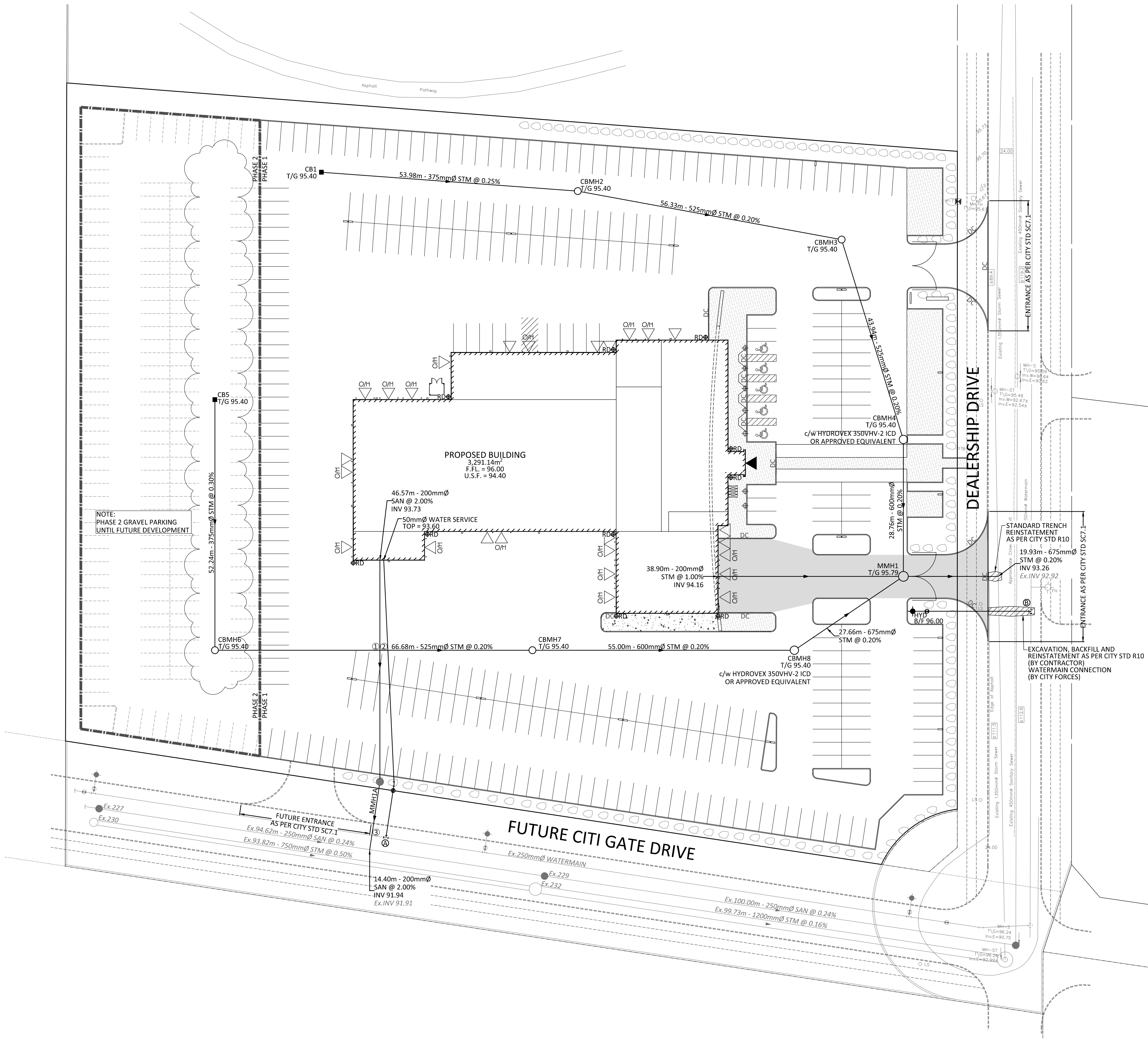
1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY OR TOWNSHIP STANDARDS.
2. INDUSTRIAL-COMMERCIAL TYPE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM 888 TYPE 'K' SOFT.
3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
4. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
5. USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
6. CONNECTION TO EXISTING BY CITY OR TOWNSHIP FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.
7. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
8. THERMAL INSULATION OF WATERMAINS UNDER ROAD SIDE DITCHES AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
9. SWABING, CHLORINATION AND CONTINUITY TESTING FOR PROPOSED WATER SERVICES IS TO FOLLOW CITY OF OTTAWA SPECIAL PROVISIONS (SPS-4451 & SPS-4494).

STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB1	95.40		\$E94.023	COVER CITY STD S19 FRAME CITY STD S19 STRUC. OPSD 705.010
CB5	95.40		\$W94.085	COVER CITY STD S19 FRAME CITY STD S19 STRUC. OPSD 705.010
CBMH2	95.40	\$W93.888	\$93.738	COVER CITY STD S25 FRAME CITY STD S25 STRUC. OPSD 701.010
CBMH3	95.40	\$N93.625	\$W93.595	COVER CITY STD S28.1 FRAME CITY STD S25 STRUC. OPSD 701.010
CBMH4	95.40	\$E93.507	\$W93.432	COVER CITY STD S28.1 FRAME CITY STD S25 STRUC. OPSD 701.011
CBMH6	95.40	\$E93.928	\$E93.778	COVER CITY STD S28.1 FRAME CITY STD S25 STRUC. OPSD 701.010
CBMH7	95.40	\$W93.645	\$E93.570	COVER CITY STD S28.1 FRAME CITY STD S25 STRUC. OPSD 701.010
CBMH8	95.40	\$W93.460	\$E93.385	COVER CITY STD S28.1 FRAME CITY STD S25 STRUC. OPSD 701.011
MMH1	95.79	\$E93.375 \$W93.330 \$W93.775	\$E93.300	MONITORING MAHLOE COVER CITY STD S24.1 FRAME CITY STD S25 STRUC. OPSD 701.012





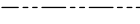



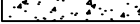











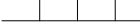
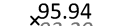
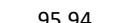
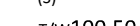
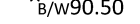


CROSSING CONFLICT TABLE		
LOCATION	DESCRIPTION	SEPARATION
1	525mmØ STM SEWER INV 93.70	0.15
	200mmØ SAN SERVICE OBV 93.55	
2	525mmØ STM SEWER INV 93.70	0.44
	50mmØ WATER SERVICE TOP 93.26	
3	250mmØ WATERMAIN INV 93.66	1.46
	200mmØ SAN SERVICE OBV 92.20	

WATER COVER TABLE				
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	DEPTH OF PIPE
A - 250 x 50 TEE	0+000.00	96.790	94.390	2.400
VALVE	0+010.00	96.990	94.590	2.400
11.25" BEND	0+014.40	96.890	94.490	2.400
BUILDING	0+059.31	96.000	93.600	2.400
B - 250 x 150 TEE	0+000.00	96.000	93.600	2.400
VALVE	0+021.85	95.980	93.580	2.400
HYDRANT	0+024.85	95.900	93.500	2.400

SAN STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
MMH1A	96.88	NE92.800	W92.228	MONITORING MANHOLE COVER CITY STD S24 FRAME CITY STD S25 STRUC. OPSD 701.010



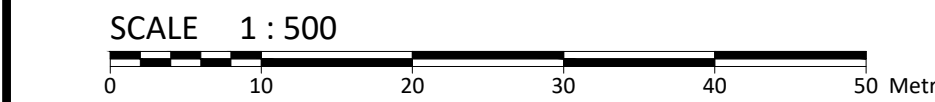
LEGEND

	BARRIER CURB CURB DEPRESSION		SILT FENCE (AS PER PSD 219.130)
	MOUNTABLE CURB		STRAW BALE CHECK DAM (AS PER PSD 219.180)
	EASEMENT		BUILDING ENTRANCES (MAIN, SIDE, OVERHEAD)
	HEAVY DUTY ASPHALT		WATER COVER TABLE POINT
	CONCRETE SIDEWALK		CROSSING CONFLICT TABLE LOCATION
	PAVING STONE		ROOF DOWNSPOUT LOCATION
	STORM MANHOLE		
	CATCHBASIN OR DITCH INLET		
	LANDSCAPE CATCHBASIN		
	SANITARY MANHOLE		
	PERFORATED PIPE IN SWALES		
	WATER VALVE/CHAMBER		
	FIRE HYDRANT		
	CENTRELINE OF SWALE		
	SLOPING AT 3:1 (UNLESS SPECIFIED)		
	PROPOSED ELEVATION		
	EXISTING ELEVATION		
	SWALE ELEVATION		
	TOP OF WALL ELEVATION		
	BOTTOM OF WALL ELEVATION		
	EMERGENCY OVERLAND FLOW ROUTE		

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

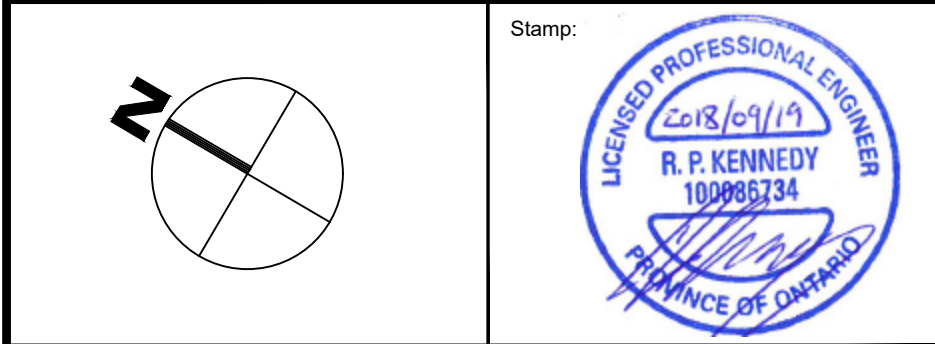
2	REVISED AS PER CITY COMMENTS	SEPT. 18, 2018
1	ISSUED FOR SITE PLAN CONTROL	JUN. 25, 2018
No.	Revisions	Date

Check and verify all dimensions before proceeding with the work	Do not scale drawings
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Client: **BBS CONSTRUCTION LTD.**
1805 WOODWARD DRIVE
OTTAWA, ON K2C 0P9

Project:

BARRHAVEN FORD
555 DEALERSHIP DRIVE

Drawing Title:

SITE SERVICING PLAN

Scale:	1:500	Project Number: CP-18-0254 Drawing Number: C102
Drawn By:	P.G.K.	
Checked By:	R.P.K.	
Designed By:	P.G.K.	