

LEGEND	
	BARRIER CURB
	CURB DEPRESSION
	MOUNTABLE CURB
	EASEMENT
	HEAVY DUTY ASPHALT
	CONCRETE SIDEWALK
	PAVING STONE
	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
	PROPOSED ELEVATION
	EXISTING ELEVATION
	SWALE ELEVATION
	TOP OF WALL ELEVATION
	BOTTOM OF WALL ELEVATION
	EMERGENCY OVERLAND FLOW ROUTE
	SILT FENCE (AS PER OPSD 219.130)
	STRAW BALE CHECK DAM (AS PER OPSD 219.180)

1	ISSUED FOR SITE PLAN CONTROL	SEPT. 10, 2018
No.	Revisions	Date

Check and verify all dimensions  
before proceeding with the work

Do not scale drawings

SCALE 1 : 500

A horizontal scale bar with alternating black and white segments. It is marked with numbers 0, 10, 20, 30, 40, and 50, followed by the word 'Metres'.

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2018/09/10  
 R. P. KENNEDY  
 100086734  
 PROVINCE OF ONTARIO

Client:

**BBS CONSTRUCTION LTD.**  
1805 WOODWARD DRIVE  
OTTAWA, ON K2C 0P9

Project:

**SYSKO TANNIS - FACILITY EXPANSION**

2390 STEVENAGE DRIVE  
OTTAWA, ON K1G 3W3

Drawing Title:

SITE GRADING & DRAINAGE PLAN

Scale:	1:500	Project Number:	CP-18-0170
Drawn By:	P.G.K.		
Checked By:	R.P.K.	Drawing Number:	C101
Designed By:	P.G.K.		

GENERAL NOTES

1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN.
2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED FROM INFORMATION SUPPLIED BY (OR SHOWN ON) ANNS, O'SULLIVAN, VOLLEBEK LTD. SURVEY PLAN #18929-18, DATED SEPTEMBER 4, 2018 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.
3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OR TOWNSHIP BEFORE COMMENCING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION, PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OR TOWNSHIP AUTHORITIES.
7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY OR TOWNSHIP.
8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.
11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY OR TOWNSHIP.
12. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY OR TOWNSHIP STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
13. CONTACT THE CITY OR TOWNSHIP FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY OR TOWNSHIP SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
14. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
15. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY.
  - ELECTRICAL SERVICE - HYDRO OTTAWA,
  - GAS SERVICE - ENBRIDGE,
  - TELEPHONE SERVICE - BELL CANADA,
  - TELEVISION SERVICE - ROGERS.
17. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO OTTAWA, BELL AND THE CITY OR TOWNSHIP.
18. ALL PROPOSED CURB SHALL BE CONCRETE BARRIER CURB UNLESS SPECIFIED.
19. ALL EXISTING REDUNDANT PRIVATE APPROACHES FRONTING THIS DEVELOPMENT MUST BE REMOVED TO THE SATISFACTION OF THE CITY OR TOWNSHIP.
20. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION BY PATERSON GROUP, DATED JULY 30, 2018 REPORT #PG4583-1 AND THE SITE SERVICING & STORMWATER MANAGEMENT REPORT BY MCINTOSH PERRY REPORT #CP-18-0170, DATED SEPTEMBER 10, 2018.

SEWER NOTES

1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS PER OPSD 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 GEOTECHNICAL ENGINEER.
5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
6. TO MINIMIZE DIFFERENTIAL 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 SDR 28 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS 200mm DIAMETER AND LARGER TO BE PVC SDR 35 OR APPROVED EQUIVALENT.
8. INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.
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 TELETYPE (CCTV) ALL PROPOSED SEWERS ONSITE. OUTLET CONNECTION TO THE MAIN AND 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 SERVICE TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
12. ALL CATCHBASIN AND CATCHBASIN MANHOLE LEADS ARE TO BE MINIMUM 200mmØ WITH MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED.
13. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS ARE TO HAVE 150 mmØ PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING "R1".

WATERMAIN NOTES

1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY OR TOWNSHIP STANDARDS.
2. INDUSTRIAL/COMMERCIAL SERVICE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM B88 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 "W25".
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 "W21".

EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, TEMPORARY SEDIMENT CONTROL (GEOSOCK INSERTS WITH AN OVERFLOW UNDER GRATE OR COVER) TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD CATCHBASINS, REARVARD CATCHBASINS AND CATCHBASIN MANHOLES AND OTHER SEDIMENT TRAPS. NO RECYCLED GEOSOCK MATERIAL SHALL BE PERMITTED FOR USE ON SITE.
2. AT THE DISCRETION OF THE PROJECT MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS.
3. FOR SILT FENCE BARRIER, USE OPSD 219.110. GEOTEXTILE FOR SILT FENCE AS PER OPS5 1860, TABLE 3.
4. EXCEPT AS PROVIDED IN PARAGRAPHS 4.1., AND 4.2. BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED.
- 4.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE.
- 4.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.
5. SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE FOLLOWING:
  - 5.1. FOR LIGHT-DUTY SEDIMENT BARRIERS, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE LESSER OF THE FOLLOWING:
    - 5.1.1. A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT OF THE CONTROL MEASURE.
    - 5.1.2. A DEPTH OF 300 MM IMMEDIATELY UPSTREAM OF THE CONTROL MEASURE.
  - 5.2. FOR ALL CONTROL MEASURES, ACCUMULATED SEDIMENT SHALL BE REMOVED AS NECESSARY TO PERFORM MAINTENANCE REPAIRS.
  - 5.3. ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURE.
  - 5.4. ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPS5 180.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST STORM EVENT AND FOLLOWING A STORM EVENT.
7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER, CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPS5 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY TRANSPORT SEDIMENTS OFFSITE, WHERE THEY MAY BE WASHED INTO THE RECEIVING WATER BY THE NEXT RAINSTORM.
8. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS PER OPS5 570.
9. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
11. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CATCHBASINS, MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE MATERIAL IS LEFT IN PLACE IN EXCESS OF 14 DAYS.
12. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE OPEN PORTION OF THE WATERCOURSE WITHOUT HARM.
13. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPS5 577
14. WHERE DEWATERING IS REQUIRED, THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH OPS5 518.
15. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED.

STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB1	81.59		NE82.471	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB2	81.59		NE82.405	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB3	81.59		NE-0.900	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB4	81.59		NE-0.900	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB5	81.59		NE-0.900	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB6	81.59		NE-0.900	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB7	81.70		NE81.173	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB8	81.73		NW80.914	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB11	82.95	SE81.326	NW81.316	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CB20	82.44		SE81.458	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CBMH10	82.95		NW81.473	COVER CITY STD 519 FRAME CITY STD 519 STRUC. OPSD 705.010
CBMH13	82.50	SW81.151	NE81.121	COVER CITY STD 528.1 FRAME CITY STD 525 STRUC. OPSD 701.011
CBMH14	82.43	SW80.038	SE80.978	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
CBMH15	82.43	NW80.898	SE80.868	COVER CITY STD 528.1 FRAME CITY STD 525 STRUC. OPSD 701.011

NOTES:

- ALL STORM SEWERS ARE TO BE INSULATED WITH THE EXCEPTION OF PIPES FROM Ex.MHP'P TO MH3
- SITE ENTRANCES ARE TO CONFORM TO CITY OF OTTAWA STANDARD SC7.1
- ELEVATION OF THE EXISTING WATERMAIN IS TO BE CONFIRMED DURING CONSTRUCTION. IF A CROSSING CONFLICT OCCURS WITH THE STORM AND/OR THE SANITARY SEWERS, THEN THE WATERMAIN IS TO BE RECONSTRUCTED WITH VERTICAL BENDS AS PER CITY OF OTTAWA STANDARDS W25 OR W25.2

PAVEMENT STRUCTURE

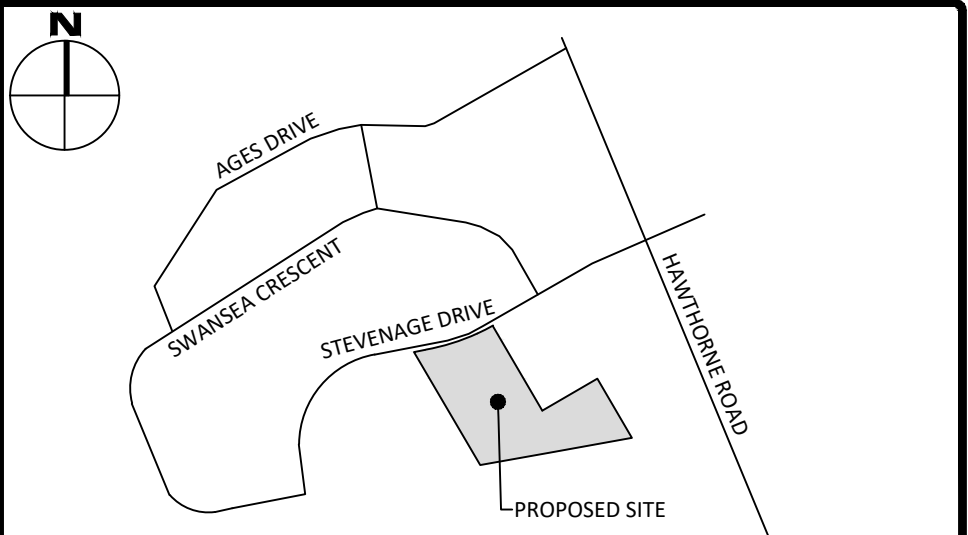
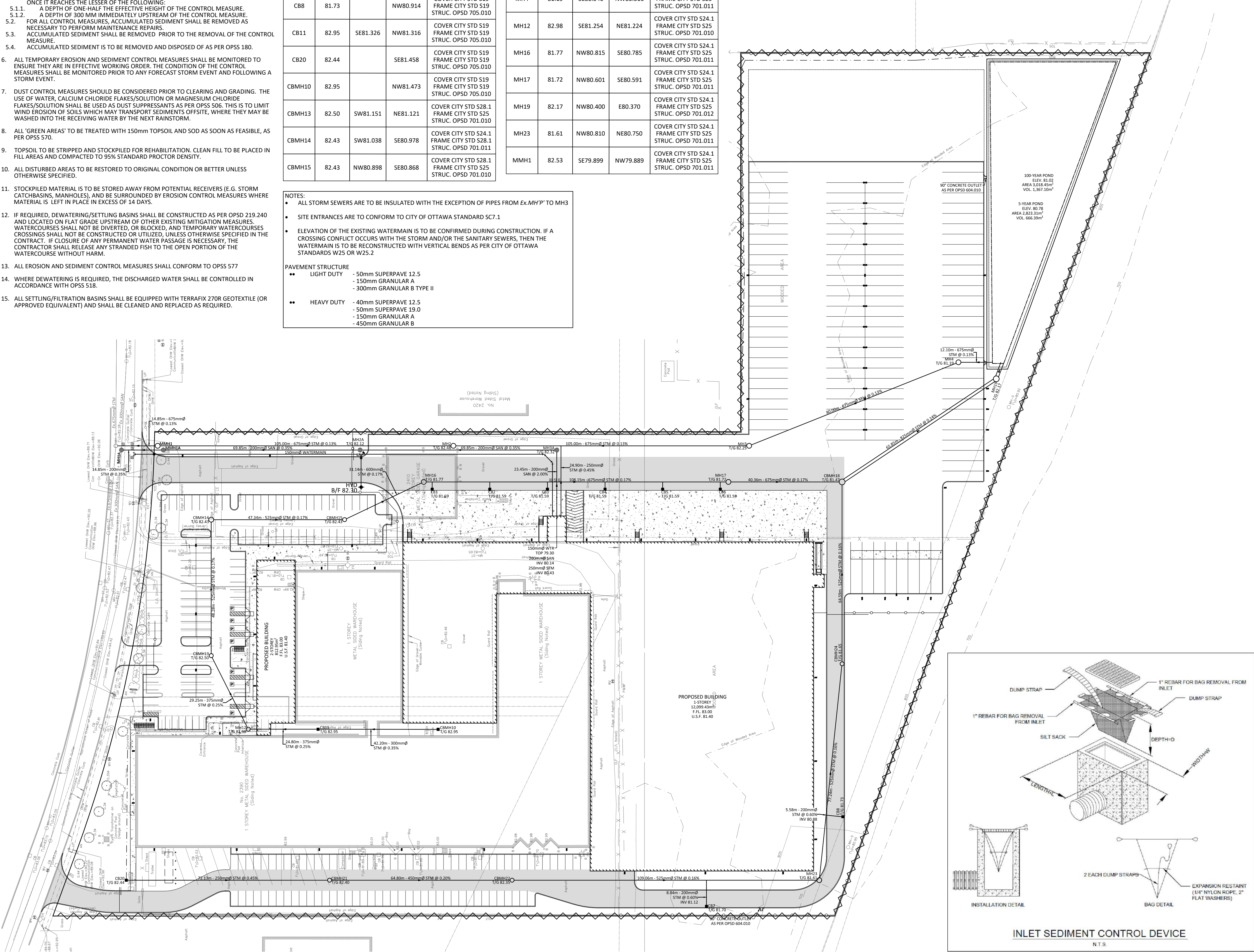
- LIGHT DUTY
  - 50mm SUPERPAVE 12.5
  - 150mm GRANULAR A
  - 300mm GRANULAR B TYPE II
- HEAVY DUTY
  - 40mm SUPERPAVE 12.5
  - 50mm SUPERPAVE 18 D
  - 150mm GRANULAR A
  - 450mm GRANULAR B

STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CBMH18	81.47	SW80.493 NW80.523	SE80.493	COVER CITY STD 528.1 FRAME CITY STD 525 STRUC. OPSD 701.012
CBMH21	82.40	NW81.134	SE81.124	COVER CITY STD 528.1 FRAME CITY STD 525 STRUC. OPSD 701.010
CBMH22	82.35	NW80.994	SE80.984	COVER CITY STD 528.1 FRAME CITY STD 525 STRUC. OPSD 701.010
CBMH24	81.65	SW80.626	NE80.596	COVER CITY STD 528.1 FRAME CITY STD 519 STRUC. OPSD 701.010
Ex.MHP'P	82.28	SE79.870 SW79.811	NE79.810	N/A
MH2	82.48	SE80.046	NW80.036	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MH3	82.25	SE80.212	NW80.182	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MH4	81.19	SE80.346	NW80.316	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MH12	82.98	SE81.254	NE81.224	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.010
MH16	81.77	NW80.815	SE80.785	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MH17	81.72	NW80.601	SE80.591	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MH19	82.17	NW80.400	E80.370	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.012
MH23	81.61	NW80.810	NE80.750	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011
MMH1	82.53	SE79.899	NW79.889	COVER CITY STD 524.1 FRAME CITY STD 525 STRUC. OPSD 701.011

SAN STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
MH1A	82.30	SE79.050 SW78.977	NE78.977	COVER CITY STD 524 FRAME CITY STD 525 STRUC. OPSD 701.010
MH2A	82.12	SE79.366	NW79.356	COVER CITY STD 524 FRAME CITY STD 525 STRUC. OPSD 701.010
MH3A	82.32	SW79.670	NW79.611	COVER CITY STD 524 FRAME CITY STD 525 STRUC. OPSD 701.010
MMH1A	82.51	SE79.112	NW79.102	COVER CITY STD 524 FRAME CITY STD 525 STRUC. OPSD 701.010

CROSSING CONFLICT TABLE		
LOCATION	DESCRIPTION	SEPARATION
1	675mmØ STM SEWER INV 79.89	0.72
2	300mmØ SAN SEWER OBV 79.17	0.00*
3	675mmØ STM SEWER INV 79.88	0.41
4	200mmØ WATERMAIN OBV 79.88	
5	200mmØ SANITARY SEWER TOP 79.27	1.31
6	675mmØ STORM SEWER INV 80.71	0.61
7	150mmØ WATERMAIN TOP 79.40	
8	675mmØ STORM SEWER INV 80.71	0.08

WATER COVER TABLE				
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	DEPTH OF PIPE
A - 200 x 150 TEE	1+000.00	82.29	79.89	2.40
VALVE	1+007.17	82.38	79.98	2.40
B - 150 x 150 TEE	1+080.67	82.01	79.61	2.40
45° BEND	1+145.62	82.26	79.86	2.40
45° BEND	1+149.86	82.11	79.71	2.40
BUILDING	1+168.80	81.80	79.40	2.40
B - 150 x 150 TEE	2+000.00	82.01	79.61	2.40
VALVE	2+001.30	81.80	79.40	2.40
HYDRANT	2+011.67	82.20	79.80	2.40



LEGEND

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- CURB DEPRESSION
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- EASEMENT
- HEAVY DUTY ASPHALT
- CONCRETE SIDEWALK
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- STORM MANHOLE
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- SILT FENCE (AS PER OPSD 219.130)
- STRAW BALE CHECK DAM (AS PER OPSD 219.180)

FOR REVIEW ONLY  
NOT FOR CONSTRUCTION

1	ISSUED FOR SITE PLAN CONTROL	SEPT. 10, 2018
No.	Revisions	Date

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Stamp:

Client: **BBS CONSTRUCTION LTD.**  
1805 WOODWARD DRIVE  
OTTAWA, ON K2C 0P9

Project: **SYSO TANNIS - FACILITY EXPANSION**  
2390 STEVENAGE DRIVE  
OTTAWA, ON K1G 3W3

Drawing Title: **SITE SERVICING AND SEDIMENT & EROSION CONTROL PLAN**

Scale:	1:750	Project Number:	CP-18-0170
Drawn By:	P.G.K.	Drawing Number:	C102
Checked By:	R.P.K.		
Designed By:	P.G.K.		