

SITE SERVICES CONFLICT TABLE					
LOCATION	PIPE	ELEVATIONS	SPACING (I		
1	EX. 250mmØ SAN	±54.75 INV	0.30		
	50mmØ WTR SERVICE	55.35 TOP			
2	EX. 300mmØ STM	±54.37 INV	0.30		
	50mmØ WTR SERVICE	55.02 TOP			
3	9.41m - 200mmØ SAN	55.10 INV	- 030		
	EX. 300mmØ STM	54.80 TOP			
4	8.56m - 250mmØ STM	54.91 INV	- 0.50		
	50mmØ WTR SERVICE	54.41 TOP			
	OR TO VERIFY ALL EXISTING SI				
IMMEDIATELY ADVISE THE ENGINEER OF ANY DISCREPANCIES OR					

STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB1	56.74		SW54.980	OPSD 705.010 FRAME 704.010 COVER S19.1
MH#1	57.04	S54.786 NE54.894	W54.726	OPSD 701.010 FRAME S25 COVER S28

SAN STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
MH#1A	57.11	S55.246	W55.186	OPSD 701.010 COVER OPSD 401.050

WATER SERVICE COVER TA				
LOCATION	STATION	FINISHED GRADE	TOP OF PI	
CONNECTION	0+000.00	56.93	±54.52	
CROSSING#1	0+002.42	56.91	55.35	
CROSSING#2	0+003.71	56.90	55.02	
WV	0+010.16	56.95	54.55	
45° BEND	0+013.40	56.98	54.58	
CROSSING#4	0+014.32	57.00	54.41	
45° BEND	0+016.40	57.04	54.64	

GENERAL NOTES

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.

THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) ANNIS, O'SULLIVAN, VOLLEBEKK LTD.. JOB No. 16448-16, DATED FEBRUARY 18, 2016 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. ELEVATIONS SHOWN DERIVED FROM INFORMATION SUPPLIED BY (OR SHOWN ON) ANNIS, O'SULLIVAN, VOLLEBEKK LTD. JOB No. 16448-16, DATED FEBRUARY 18, 2016 ARE REFERENCED FROM THE CITY OF OTTAWA VERTICAL CONTROL DATA INDEX 300. 4. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OR TOWNSHIP BEFORE COMMENCING CONSTRUCTION. 5. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.

6. 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.

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.

8. 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.

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. 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. 12. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY OR

13. 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.

14. 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.

15. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.

16. 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. NO EXCESS DRAINAGE, EITHER DURING OR AFTER CONSTRUCTION, WILL BE DIRECTED

TOWARDS NEIGHBOURING PROPERTIES. 21. NO ALTERATION OF EXISTING GRADES AND DRAINAGE PATTERNS ON PROPERTY

BOUNDARIES AS PER CITY OF OTTAWA SITE ALTERATION BY-LAW 2018-164. 22. THIS PLAN MUST BE READ IN CONJUNCTION WITH GEOTECHNICAL REPORT BY MCINTOSH

PERRY REPORT #CP-18-0056, DATED MAY 2018 AND THE SITE SERVICING REPORT BY McINTOSH PERRY REPORT #CP-18-0056, DATED JUNE 2018.

SEWER NOTES

TOWNSHIP

1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS PER OPSD STANDARDS. 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. 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.

INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.

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.

0. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ONSITE, OUTLET CONNECTION O 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 CATHCBASIN 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'

14. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS; SEWER AND WATERMAIN MATERIAL TYPES AND DISINFECTION.

15. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WIH CURRENT CITY OF OTTAWA STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS; ROADS AND PUBLIC WORKS.

WATERMAIN NOTES

1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY OR TOWNSHIP STANDARDS.

INDUSTRIAL/COMMERCIAL SERVICE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM B88 TYPE 'K' SOFT.

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 'W21'.

9. WATER SERVICES GREATER THAN 19mm REQUIRE A WATER DATA CARD. 10. VALVES TO BE OPERATED BY CITY OF OTTAWA STAFF ONLY.

11. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY OF OTTAWA. CITY OF OTTAWA FORCES TO COMPLETE WATERMAIN CONNECTIONS. EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY CONTRACTOR.

PUTMAN AVENUE LOCATION LOCATION PLAN EGEND SILT FENCE BARRIER CURB MOUNTABLE CURB STRAW BALE CHECK DAM \boxtimes (GUTTERLINE) (AS PER OPSD 219.180) EASEMENT EMERGENCY OVERLAND FLOW ROUTE - STORM MANHOLE CB6 DI6 CATCHBASIN OR DITCH INLET ____ 5-YR PONDING LIMIT – PERFORATED PIPE IN SWALES – – – 100-YR PONDING LIMIT WATER VAVLE/CHAMBER FIRE HYDRANT — · — CENTRELINE OF SWALE SLOPING AT 3:1 (UNLESS SPECIFIED) × 101.50 99.85 PROPOSED ELEVATION EXISTING ELEVATION ,101.35 SWALE ELEVATION FOR REVIEW ONLY NOT FOR CONSTRUCTION DR. CORINA BUETTNER 178 BEECHWOOD AVENUE, OTTAWA, ON K1L 1A9 **REVISED AS PER CITY COMMENTS** FEB. 19, 2019 03 02 ISSUED FOR SITE PLAN CONTROL SEP. 06, 2018 ISSUED FOR COORDINATION JUL. 26, 2018 Date Revision/Issue Check and verify all dimensions Do not scale drawing before proceeding with the work SCALE 1:100 MCINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON KOA 1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com N BLUEPRINT CONSTRUCTION SERVICES LTD. 17-1010 POLYTEK STREET OTTAWA, ON K1J 9J1 119-121 BEECHWOOD AVENUE THREE-STOREY MIXED USE BUILDING OTTAWA ONTARIC Drawing Title: SITE SERVICING PLAN

roject Number: Scale: 1:100 CP-18-0056 Drawn by: S.V.L. Drawing Number: Checked By: R.P.K. C102 SHEET 2 of 2 Designed By: S.V.L.