

DRAWING NOTES

1.0 GENERAL

- 1.1 CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
1.2 DO NOT SCALE DRAWINGS.
1.3 CONTRACTOR TO REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
1.4 USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED 'ISSUED FOR CONSTRUCTION'.
1.5 ALL CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
1.6 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.
1.7 FOR LEGAL SURVEY INFORMATION REFER TO REGISTERED PLAN.
1.8 REFER TO SITE PLAN BY CHAMBERLAIN ARCHITECT SERVICES LIMITED.
1.9 CONTRACTOR TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS IDENTIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA.
1.10 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS SC1.1 AND SC1.4.
1.11 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO CITY STANDARDS SC1.1 AND SC1.4.
1.12 ALL CONCRETE SHALL BE 'NORMAL PORTLAND CEMENT' IN ACCORDANCE WITH O.P.S.S. 1350 AND SHALL ACHIEVE A MINIMUM STRENGTH OF 30MPa AT 28 DAYS.
1.13 ALL CONSTRUCTION TRAFFIC TO ACCESS SITE FROM BANK STREET.
1.14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION PROPOSED MULTI-STORY BUILDINGS DONE SOUTH APARTMENTS 4840 BANK STREET, OTTAWA, ON, REPORT NO. P06255 BY PATERSON GROUP DATED MAY 20, 2022.
1.15 CONTRACTOR TO PROTECT EXISTING INFRASTRUCTURE AND PROPERTY SUCH AS TREES, PARKING METERS, SIDEWALKS, CURBS, ASPHALT, AND STREET SIGNS FROM DAMAGE DURING CONSTRUCTION.
1.16 THE POSITION OF POLE LINES, CONDUITS, WATERMAIN, SEWERS, AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS.
1.17 CONTRACTOR TO SUPPLY SUITABLE ALL MATERIAL WHERE REQUIRED TO ROUGH GRADE THE SITE.
1.18 CONTRACTOR TO Haul EXCESS MATERIAL OFF SITE AS NECESSARY TO GRADE SITE TO MEET THE PROPOSED GRADES.
1.19 FILL MATERIAL WITHIN THE PARKING LOT AND BUILDING PAD AREAS, AND SUPPORTING BUILDING FOUNDATIONS SHALL BE COMPACTED TO 98% STANDARD MODIFIED PROCTOR DENSITY AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
1.20 ALL COMPACTION METHODS TO BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO INCLUDE BUT NOT BE LIMITED TO THE THICKNESS OF LIFTS, AND COMPACTION EQUIPMENT USED.
1.21 ALL DISTURBED BOULEVARDS TO BE REINSTITATED WITH 500 ON 100mm TOPSOIL.
1.22 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.
1.23 CLAY DIKES TO BE INSTALLED WHERE INDICATED ON THE DRAWINGS OR AS APPROVED AND DIRECTED BY THE GEOTECHNICAL ENGINEER.
1.24 ALL UTILITY BOXES (i.e. PEDESTALS, TRANSFORMERS, ETC) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S 'GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD RIGHT OF WAY'.
1.25 FOR SITE BENCH MARK SEE SURVEY BY ANNIS O'SULLIVAN, VOLLEBEKK LTD. JOB NO. 20749-22 REGIONAL B.L.K. 004 4841631 D.I.

2.0 SANITARY

- 2.1 ALL SANITARY SEWER MAINS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ONLY FACTORY FITTINGS TO BE USED. SEWER TO BE INSTALLED AS PER OPSD 1005.01. SANITARY SEWER MATERIALS TO BE: 200mmØ AND SMALLER - PVC DR 35
2.2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP STOPS AND LANDINGS WHERE NEEDED.
2.3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. 325 (MOD. OPSD. 401.020). SANITARY MANHOLE COVER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24.
2.4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY SPECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.
2.5 ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
2.6 CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.

3.0 STORM

- 3.1 ALL STORM SEWERS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ALL STORM SEWERS TO BE INSTALLED PER MANUFACTURERS' INSTRUCTIONS. ONLY FACTORY FITTINGS TO BE USED. STORM SEWER MATERIALS TO BE: 375mmØ AND SMALLER - PVC DR 35
3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED IN ACCORDANCE WITH THE PLANS AND AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RUNGS, AND FRAME AND COVER.

- 3.3 STORM MH COVERS TO BE OPEN TYPE, AS PER CITY STANDARD S24. FRAMES TO BE PER CITY OF OTTAWA STD. S25. CONTRACTOR TO INSTALL FILTER FABRIC UNDER STORM MH COVER UNTIL SODDING IS COMPLETE.
3.4 STORM MAINTENANCE HOLES TO BE OPSD. SIZE AS SPECIFIED, TAPER TOP.
3.5 ALL CATCH BASINS TO BE AS PER OPSD 705.010. FRAME & FISH TYPE GRATE AS PER CITY OF OTTAWA STD. S19.1.
3.6 150mm DIAMETER SOCK-WRAPPED PERFORATED PVC SUBDRAINS TO BE INSTALLED AT THE LIMIT OF THE HEAVY DUTY ROAD STRUCTURE WHERE IT MEETS THE LIGHT DUTY ROAD STRUCTURE AND AT ALL C&B IN HEAVY DUTY ROADS AS IDENTIFIED ON PLAN. SUBDRAINS TO DISCHARGE TO C&B AS SHOWN.
3.7 ANY STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
3.8 CONNECTION TO THE EXISTING STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS.
3.9 CONTRACTOR TO PROVIDE IPEX TEMPEST MHP ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS REVIEW PRIOR TO ORDERING ICD'S.

4.0 WATER

- 4.1 ALL WATERMANS TO BE PVC DR 18, WITH MINIMUM COVER OF 2.4m AND INSTALLED PER CITY OF OTTAWA STANDARDS W17. ALL DOMESTIC WATER SERVICES ARE TO BE 200mmØ.
4.2 THRUST BLOCKS TO BE INSTALLED AT ALL BENDS, TEES, AND CAPS ALL TO CITY STANDARDS W25.3 AND W25.4.
4.3 CONTRACTOR TO CONDUCT PRESSURE AND LEAKAGE TESTING OF ALL WATERMANS AND DISINFECT AND CHLORINATE ALL WATERMANS TO THE SATISFACTION OF M.O.E. AND THE CITY OF OTTAWA.
4.4 TRACER WIRE TO BE INSTALLED ALONG THE FULL LENGTH OF WATERMAIN AND ATTACHED TO EACH MAIN STOP AS PER CITY OF OTTAWA STANDARD W36.
4.5 ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE CATHODICALLY PROTECTED AS PER CITY OF OTTAWA STANDARD W46.
4.6 ALL VALVES & VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLIES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W19 & W24.
4.7 ANY WATERMAIN WITH LESS THAN 2.4m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
4.8 CONTRACTOR IS RESPONSIBLE FOR ACQUIRING THE WATER PERMIT FROM THE CITY OF OTTAWA AND PAYMENT OF ANY FEES ASSOCIATED WITH SECURING THE WATER PERMIT. OWNER IS RESPONSIBLE FOR REIMBURSING THE CONTRACTOR FOR THE ACTUAL COST OF ACQUIRING THE WATER PERMIT.

5.0 PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

- 5.1 CONTRACTOR TO REINSTATE ROAD CUTS PER CITY OF OTTAWA STANDARD R-10.
5.2 THE CONTRACTOR SHALL PREPARE A TRAFFIC MANAGEMENT PLAN FOR REVIEW AND APPROVAL BY THE CITY OF OTTAWA. CONTRACTOR TO MAINTAIN TRAFFIC FLOW DURING THE ENTIRE CONSTRUCTION PERIOD. MAINTENANCE OF ROAD CUTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVISION OF FLAGMEN, DETOURS AS NECESSARY, BARRICADES AND SIGNS TO THE FULL SATISFACTION OF THE ENGINEER AND ROAD AUTHORITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5.3 CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
5.4 FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
5.5 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5.6 GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF GRANULAR B PLACEMENT.
5.7 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5.8 ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF GRANULAR A PLACEMENT.
5.9 CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5.10 CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE ENGINEER WITH VERIFICATION PRIOR TO PLACEMENT.
5.11 DITCHES DISTURBED DURING CULVERT INSTALLATION AND GRADING OPERATIONS ARE TO BE REINSTITATED TO THEIR ORIGINAL CONDITION AND FLOWLINE GRADES.
5.13 ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY ENGINEER, ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
5.14 PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESSES) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

CATCHBASIN DATA TABLE with columns: STRUCTURE ID, STORM AREA ID, STRUCTURE, FRAME & COVER, ELEVATION (TOP OF GRATE, INLET, OUTLET), OUTLET PIPE (DIAMETER, TYPE), INLET CONTROL DEVICE (HEAD, FLOW, ICD TYPE)

WATERMAIN SCHEDULE table with columns: Station, Description, Finished Grade, Top of Watermain, As Built Watermain

Pipe Interference Table with columns: Crossing No., PIPE 1, PIPE 2, Clearance

PAVEMENT STRUCTURE: LIGHT WEIGHT AREAS (50mm SUPERPAVE 12.5 ASPHALTIC CONCRETE, 150mm OPS8 GRANULAR 'A' CRUSHED STONE, 300mm OPS5 GRANULAR 'B' TYPE II) and HEAVY DUTY AREAS (40mm SUPERPAVE 12.5 ASPHALTIC CONCRETE, 90mm SUPERPAVE 19.0 ASPHALTIC CONCRETE, 150mm OPS8 GRANULAR 'A' CRUSHED STONE, 450mm OPS5 GRANULAR 'B' TYPE II)

CLIENT: PATHWAYS SOUTH REGIONAL INC. 1737 WOODWARD DRIVE, OTTAWA, ON. COPYRIGHT: This drawing has been prepared solely for the intended use... IBI Group Professional Services (Canada) Inc.

ISSUES table with columns: No., DESCRIPTION, DATE. SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS. KEY PLAN showing site location on a street map.

CONSULTANTS section with a professional seal for J. I. MOFFATT, LICENSED PROFESSIONAL ENGINEER, PROVINCE OF ONTARIO, 2022/06/03.

PROJECT: 4840 BANK STREET. PROJECT NO: 137175. DRAWN BY: M.M. CHECKED BY: S.E.L. PROJECT MGR: D.C. APPROVED BY: J.I.M.

SHEET TITLE: NOTES LEGEND CB DATA. SHEET NUMBER: C-010. ISSUE: 1. PROJECT NO: 137175. DRAWN BY: M.M. CHECKED BY: S.E.L. PROJECT MGR: D.C. APPROVED BY: J.I.M.

LEGEND:

Legend symbols and descriptions: MH3A EXISTING SANITARY MANHOLE, MH3 SANITARY MANHOLE, CB T/G 99.76 EXISTING STREET CATCHBASIN, CB RYCB T/G 99.76 REAR YARD CATCHBASIN c/w GUTTER GRADE, V&V EXISTING VALVE AND VALVE BOX, HYD B/F 100.56 EXISTING HYDRANT, D.C. EXISTING DEPRESSED BARRIER CURB, EXISTING CONCRETE SIDEWALK, SIAMESE CONNECTION (IF REQUIRED), METER, REMOTE METER, PRV, PIPE CROSSING IDENTIFICATION, HEAVY DUTY ASPHALT / FIRE ROUTE, PROPERTY LINE.

Proposed swale c/w flow direction, Proposed ditch c/w flow direction and slope, Slope c/w flow direction, Major overland flow route, Proposed spot grade, Proposed swale grade, Proposed swale high point, Lot corner grade c/w existing ground, Tie into existing grade, Full static ponding grade, Retaining wall, Top of retaining wall, Proposed bottom of retaining wall, Terracing 3:1 maximum unless noted otherwise, Proposed building finished floor elevation, Proposed underside of footing elevation.

FILE LOCATION: \\137175\_Pathways\_South\0\_Design\04\_CB\Notes\Sheet\C010 NOTES LEGEND CB DATA.dwg. Last Saved: June 3, 2022, 10:44:59 AM by Marwan Mhineh. CITY FILE No. D07-xx-xx-xxxx. SCALE CHECK: [ ]