

GENERAL NOTES:

- THE OWNER'S PROFESSIONAL ENGINEER IS REQUIRED TO SITE REVIEW THE INSTALLATION OF SERVICES AND FINAL GRADING INCLUDED IN THIS PROJECT IN ACCORDANCE WITH THE GENERAL REVIEW COMMITMENT CERTIFICATION PROCESS. THE OWNER'S CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS PRIOR TO ANY REQUIRED SITE REVIEWS.
- THE OWNER/CONTRACTOR SHALL HAVE HIS PROFESSIONAL ENGINEER PROVIDE FULL-TIME INSPECTION DURING CONSTRUCTION ON AN EXISTING MUNICIPAL STREET OR EASEMENT AND PROVIDE A CERTIFICATE OF COMPLETION OF WORKS UPON COMPLETION OF ALL WORKS TO BE CONSTRUCTED.
- ALL OFF-SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY AND ALL ON-SITE WORK PER THE LATEST EDITION OF THE ONTARIO BUILDING CODE AND ANY APPLICABLE STATUTES, REGULATIONS, CODES AND BY-LAW.
- STRIK, BALDINELLI, MONIZ LTD. (SBM) IS NOT RESPONSIBLE FOR THE INFORMATION (EXISTING TOPOGRAPHY, BENCHMARKS, PROPERTY BOUNDARY, ETC.) PROVIDED BY OTHERS.

CONSTRUCTION NOTES:

- REFER TO THE SITE PLAN FOR LAYOUT DIMENSIONING AND SIGN/POST DETAILS.
- THE OWNER'S CONTRACTOR IS TO CONTACT THE CONSULTING ENGINEER FOR FINAL INSPECTION.
- THE OWNER'S CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT AS REQUIRED BY THE MINISTRY OF LABOUR TO EXECUTE THE WORK.
- THE OWNER'S CONTRACTOR IS TO REVIEW AND CONFIRM ALL EXISTING CONDITION INFORMATION & INFORM STRIK, BALDINELLI, MONIZ LTD. (SBM) OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. SBM IN NO WAY ACCEPTS RESPONSIBILITY FOR ANY INACCURACIES FOUND ON THIS PLAN RELATIVE TO EXISTING CONDITIONS FOR THE SITE.
- PRIOR TO COMMENCING ANY CONSTRUCTION, ALL SEWER OUTLET INFORMATION, BENCHMARKS, ELEVATIONS, DIMENSIONS, GRADES, ETC. MUST BE CHECKED BY THE OWNER'S CONTRACTOR AND VERIFIED AND ANY DISCREPANCIES REPORTED TO THE CONSULTING ENGINEER.
- PRIOR TO COMMENCING ANY WORK ON THE INSTALLATION OF SERVICES & GRADING, AN APPROVED SET OF PLANS AND SPECIFICATIONS MUST BE AVAILABLE ON THE JOB AND SHALL REMAIN THERE WHILE WORK IS BEING DONE.
- STRIK FULL DEPTH OF TOPSOIL IN AREAS TO BE DISTURBED AND STOCK PILE FOR RE-USE IN GRASSED/LANDSCAPED AREAS.
- OWNER'S CONTRACTOR IS RESPONSIBLE FOR ALL AS-BUILT INVERTS AND GRADES. RECORD ANY DEVIATION OF PIPE OR STRUCTURE LOCATION INVOLVED WITH THIS PROJECT AND OWNER'S CONTRACTOR TO PROVIDE A COPY OF THE AS-BUILT DRAWING SHOWING ALL CHANGES CLEARLY MARKED IN RED.
- THE OWNER'S CONTRACTOR SHALL TAKE MEASURES TO CONTROL SILT ENTERING THE STORM DRAINAGE SYSTEM TO THE SPECIFICATIONS OUTLINED IN THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES PREPARED BY THE MINISTRY OF NATURAL RESOURCES. THESE MEASURES ARE TO BE INSTALLED PRIOR TO COMMENCING ANY CONSTRUCTION FOR THIS PROJECT AND ARE TO BE MAINTAINED AND TO REMAIN IN PLACE UNTIL CONSTRUCTION HAS BEEN COMPLETED TO BASE ASPHALT AND SOIL OR THE SATISFACTION OF THE MUNICIPALITY'S ENGINEER.
- THE OWNER'S CONTRACTOR SHALL INFORM THE LOCAL TRANSIT COMMISSION AT LEAST ONE WEEK PRIOR TO COMMENCING CONSTRUCTION ON ANY STREET THAT IS A PUBLIC BUS ROUTE THAT WILL BE AFFECTED BY CONSTRUCTION.
- THE OWNER'S CONTRACTOR IS RESPONSIBLE FOR:
 - CONNECTING ANY EXISTING SEWER OR DRAIN ENCOUNTERED DURING CONSTRUCTION TO A NEW SEWER OF SIMILAR TYPE, SIZE AND MATERIAL OR INTO ANOTHER EXISTING SEWER OF THE SAME TYPE.
 - ENSURING THAT THERE IS NO INTERRUPTION OF ANY SURFACE OR SUBSURFACE DRAINAGE FLOW THAT WOULD ADVERSELY AFFECT NEIGHBOURING PROPERTIES.
- NO FOUNDATION DRAIN CONNECTIONS WILL BE PERMITTED INTO THE SANITARY SEWERS AND NO DIRECT GRAVITY CONNECTIONS FROM THE FOUNDATION DRAINS WILL BE PERMITTED TO THE STORM SYSTEM UNLESS THE STORM SYSTEM HAS THE CAPACITY TO PROVIDE FOR SUCH CONNECTIONS TO THE SATISFACTION OF THE MUNICIPALITY'S ENGINEER.
- WORK ON OR ADJACENT TO THE MUNICIPAL RIGHT OF WAY (R.O.W.) SHALL BE COMPLETED IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL BOOK 7 LATEST EDITION.

RESTORATION NOTES:

- ALL WORK IN THE MUNICIPAL ROAD ALLOWANCE SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY'S ENGINEER. THE OWNER'S CONTRACTOR IS REQUIRED TO OBTAIN & PAY FOR PERMIT TO WORK IN MUNICIPAL R.O.W., IF REQUIRED.
- ALL SURFACES DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST AS GOOD AS ORIGINAL, OR AS PER BELOW (WHICHEVER IS GREATER) OR IF WITHIN THE MUNICIPAL RIGHT-OF-WAY TO THE SATISFACTION OF THE MUNICIPAL ENGINEER, ALL AT NO COST TO THE MUNICIPALITY:
 - GRASSED AREAS TO BE RESTORED w/ 100mm TOPSOIL + SOD.
 - CONCRETE SIDEWALK TO OPSD 310.010 'CONCRETE SIDEWALK'.
 - CONCRETE CURB AND GUTTER AS SPECIFIED ON DRAWINGS.
 - ANY ASPHALT AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS FOLLOWS:
 - PROOF ROLL SUBGRADE (TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER) PRIOR TO PLACEMENT OF GRANULARS (98% SPMD MIN.).
 - MILL ADJACENT ASPHALT TO BE TIED INTO 50mm DEEP x 500mm WIDE PRIOR TO RESTORATION SEE DETAIL ON SHEET C1.
 - MIN. RECOMMENDED PAVEMENT STRUCTURE (TO BE REVIEWED & APPROVED BY THE GEOTECHNICAL ENGINEER)
 - 40mm HLB SURFACE ASPHALT COMPACTED TO 97% MARSHALL MIX DESIGN BULK DENSITY (TACK COAT REQUIRED PER OPSS.PROV 308 IF BINDER ASPHALT HAS BEEN EXPOSED TO TRAFFIC OVER AT LEAST ONE WINTER)
 - 50mm HLB BINDER ASPHALT COMPACTED TO 97% MARSHALL MIX DESIGN BULK DENSITY
 - ASPHALT TO BE SUPPLIED AND PLACED IN ACCORDANCE WITH OPSS.MUNI 310 & 1150
 - 150mm OF GRANULAR 'A' COMPACTED TO 100% SPMD
 - 400mm OF GRANULAR 'B' COMPACTED TO 100% SPMD
 - ASSUMED EXISTING SPEEDVALE AVE & MANHATTEN COURT PAVEMENT STRUCTURE (TO BE REVIEWED & APPROVED BY THE GEOTECHNICAL ENGINEER)
 - 40mm HLB SURFACE ASPHALT COMPACTED TO 97% MARSHALL MIX DESIGN BULK DENSITY (TACK COAT REQUIRED PER OPSS.PROV 308 IF BINDER ASPHALT HAS BEEN EXPOSED TO TRAFFIC OVER AT LEAST ONE WINTER)
 - 50mm HLB BINDER ASPHALT COMPACTED TO 97% MARSHALL MIX DESIGN BULK DENSITY
 - ASPHALT TO BE SUPPLIED AND PLACED IN ACCORDANCE WITH OPSS.MUNI 310 & 1150
 - 150mm OF GRANULAR 'A' COMPACTED TO 100% SPMD
 - 400mm OF GRANULAR 'B' COMPACTED TO 100% SPMD
 - RESTORE ALL PAVEMENT MARKINGS TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS AND MARKINGS SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 710 'CONSTRUCTION SPECIFICATION FOR PAVEMENT MARKING'.
 - ALL EXTERIOR HORIZONTAL CONCRETE SHALL BE 32 MPa @ 28 DAYS c/w 5-8% AIR ENTRAINMENT AND 10-28°C TEMPERATURE ON 100mm THICK GRANULAR 'A' COMPACTED TO 100% SPMD.
- ALL AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL NOT BE DISTURBED. ANY DAMAGED TO THOSE AREAS ARE TO BE REPAIRED AT THE CONTRACTORS EXPENSE TO THE EXISTING CONDITIONS, OR ABOVE NOTED SPECIFICATIONS, WHICHEVER IS GREATER.

SERVICING NOTES:

- ALL STORM AND/OR SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT MUNICIPAL STANDARDS AND THE LATEST EDITION OF THE ONTARIO BUILDING CODE (O.B.C.).
- ALL SITE SERVICES SHALL BE INSTALLED TO 1.0m OUTSIDE FOUNDATION WALL.
- ALL ORGANIC, UNSTABLE OR UNSUITABLE MATERIALS WITHIN THE ROAD ALLOWANCE, SERVICES, UTILITIES, OR FOUNDATIONS MUST BE REMOVED AND THESE AREAS BACKFILLED WITH AN APPROVED FILL MATERIAL ALL TO THE SATISFACTION OF A GEOTECHNICAL ENGINEER AND SHOULD BE PLACED IN LIFTS NOT EXCEEDING 300mm (LOOSE) THAT ARE COMPACTED TO 95% SPMD (100% FOR PAVED SURFACES). THE FILL MATERIAL SHOULD COMPRISE OF CLEAN, COMPACTIBLE FILL WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT.
- REMOVE ALL TRENCH WATER WHEN PIPE LAYING IS IN PROGRESS. ALL REQUIREMENTS FOR DEWATERING PERMITS (INCLUDING THE MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (M.E.C.P.) PERMIT TO TAKE WATER, IF REQUIRED) SHALL BE THE RESPONSIBILITY OF THE OWNER'S CONTRACTOR.
- ALL PROPOSED STORM AND SANITARY SEWER PIPE TO BE PVC DR 35 OR MUNICIPALITY APPROVED PIPE WITH BEDDING TO OPSD 802.010. ALL SEWER BACKFILL MUST BE COMPACTED TO 95% STANDARD MAXIMUM DRY DENSITY (MINIMUM) (100% FOR PAVED AREAS).
- THE MINIMUM DEPTH OF A STORM SEWER SHALL BE 1.22m FROM THE FINISHED GROUND ELEVATION TO THE CROWN OF THE PIPE AS PER OPSD 3090.101 'FOUNDATION, FROST PROTECTION DEPTHS FOR SOUTHERN ONTARIO', WHERE MINIMUM DEPTHS CANNOT BE ACHIEVED AND THEREFORE FROST PROTECTION IS WARRANTED, INSULATION IS REQUIRED AS PER THE LATEST EDITION OF THE ONTARIO BUILDING CODE.
- ALL STORM AND SANITARY SEWERS/SERVICES AND CATCHBASIN LEADS SHALL HAVE APPROVED RUBBER GASKET JOINTS + BE INSTALLED USING A LASER LEVEL.
- OWNER'S CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL PRECAST CONCRETE STRUCTURES.
- ALL CATCHBASINS AND CATCHBASIN MANHOLES TO HAVE 0.6m TYPICAL.
- 3.0m LENGTHS OF 150mm DIAMETER PERFORATED FILTER WRAPPED PVC PIPE ARE TO BE INSTALLED AS SUBDRAINS CONNECTED TO TWO SIDES OF EACH CATCHBASIN AND CATCHBASIN MANHOLE WITHIN PAVED AREAS. THE SUBDRAINS ARE TO BE LOCATED JUST BELOW SUBGRADE ELEVATION.
- BUILDING FOOTINGS ARE TO BE STEPPED DOWN (SEE STRUCTURAL DRAWINGS) TO ALLOW SERVICES TO PASS THROUGH THE FOUNDATION WALL NOT UNDER THE FOOTING.
- MANHOLES TO BE CONSTRUCTED OF PRE-CAST CONCRETE. ALL MANHOLES TO BE INSTALLED IN ACCORDANCE WITH THE ONTARIO PROVINCIAL STANDARDS (OPSD) DIVISION 700 DETAILS AND REQUIREMENTS, SEE LIST OF COMMON DETAILS.
- THE MAXIMUM DISTANCE BETWEEN FINISHED GRADE AND FIRST MANHOLE LADDER RUNG TO BE NO MORE THAN 600mm.
- ALL WATERMAIN UP TO AND INCLUDING 300mmØ SHALL BE POLYVINYL CHLORIDE (PVC) C900, CLASS 150, DR18.
- ALL WATERMAIN MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE CURRENT MUNICIPAL STANDARDS.
- ALL FIRE HYDRANTS SHALL BE 3-WAY HYDRANTS c/w STORZ CONNECTION OPENING COUNTER CLOCKWISE AS PER THE MUNICIPALITY'S STANDARDS.
- ADO WATERMAIN VALVES SHALL BE MANUFACTURED TO ANWA C550 AND EPOXY COATED TO ANWA C550 AND ARE TO OPEN COUNTER CLOCKWISE.
- INSTALLATION, HYDROSTATIC TESTING, SWABBING, FLUSHING AND DISINFECTION SHALL BE DONE IN ACCORDANCE WITH THE MUNICIPAL STANDARDS.
- ALL NON-METALLIC WATER PIPE TO BE INSTALLED c/w 10AWG TRACER WIRE AS PER OPSS SECTION 441.07.15.
- SEPARATION BETWEEN BURIED WSC & PDC AS PER M.E.C.P. GUIDELINES AND SECTION 7.3.5.7, OF THE O.B.C.
- WATER SERVICE TO BE PEX AND ALL WATER PIPE TO HAVE TRACER WIRE. WATERMAIN TO BE INSTALLED WITH 1.7m-1.9m COVER. PEX WATER SERVICE REQUIRES BRASS FITTINGS. PROVIDE PIPE RESTRAINTS AS REQUIRED BY THE PIPE MANUFACTURER.
- WHEN CROSSING ABOVE A SANITARY/STORM SEWER THE OWNER'S CONTRACTOR IS TO ENSURE A MINIMUM 0.5m VERTICAL SEPARATION FROM THE UNDERSIDE OF THE WATER SERVICE TO THE CROWN OF THE SEWER AS OUTLINED IN THE LATEST EDITION OF THE M.E.C.P. 'DESIGN GUIDELINES FOR DRINKING-WATER SYSTEMS' AND INSULATE WATER SERVICE AS PER CLAUSE 7.3.5.4, 'PROTECTION FROM FROST' OF THE LATEST EDITION OF THE O.B.C., WHERE REQUIRED.
- ALL SUBSTITUTIONS MUST BE APPROVED BY THE MUNICIPALITY'S ENGINEER.
- FOR THE GROUND WATER CONDITIONS, REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY CMT ENGINEERING INC. DATED AUGUST 3, 2023.

UTILITIES NOTES:

- ALL WORK FOR COORDINATION, DESIGN, AND CONSTRUCTION OF UTILITIES IS BY OTHERS. SBM DESIGN AND DRAWINGS ARE FOR MUNICIPAL SERVICING ONLY. ANY UTILITY INFORMATION SHOWN IS FOR REFERENCE/COORDINATION PURPOSES ONLY AND MAY NOT BE ACCURATE.
- THE UTILITIES COORDINATING COMMITTEE MUST BE INFORMED AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION ON ANY EXISTING CITY ROAD ALLOWANCE. ALL EXISTING UNDERGROUND SERVICE OR UTILITIES WITHIN THE LIMITS OF THE CONSTRUCTION SITE SHALL BE LOCATED AND MARKED. ANY UTILITIES, DAMAGED OR DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING BODY AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING UNDERGROUND UTILITY (TELEPHONE, HYDRO, GAS, CABLE, SEWER, WATERMANS, ETC.) THAT WILL BE CROSSED UNDER DURING THE INSTALLATION OF SERVICES FOR THIS DEVELOPMENT SHALL BE SUPPORTED, AS MAY BE REQUIRED BY THE OWNERS OF THE UTILITY BEING CROSSED UNDER.
- OWNER'S CONTRACTOR TO LOCATE/FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- OWNER'S CONTRACTOR TO COORDINATE WITH UTILITIES PROVIDER FOR BRACING, DECOMMISSIONING AND/OR RELOCATION OF EXISTING GAS, HYDRO, TELEPHONE, CABLE, ETC. SERVICES, IF REQUIRED.

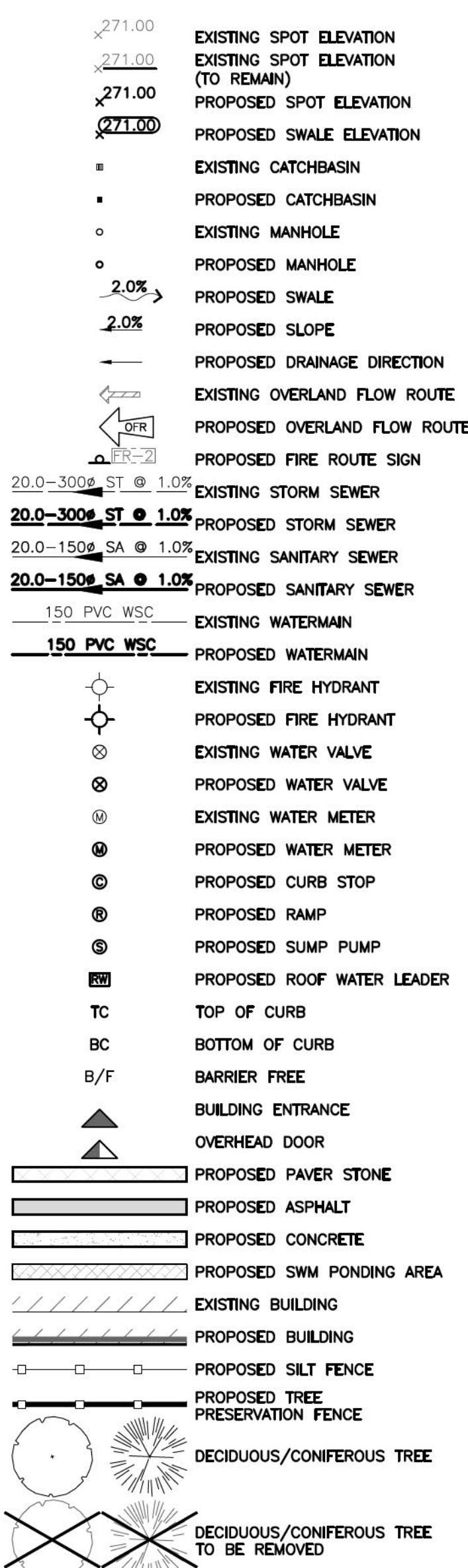
TRAFFIC MANAGEMENT PLAN NOTES:

- THE OWNER'S CONTRACTOR SHALL MAINTAIN ALL TRAFFIC SIGNAGE THROUGH THE DURATION OF THE PROJECT (AS NECESSARY).
- NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR SHALL VERIFY LOCATES PRIOR TO UNDERTAKING WORK.
- THE OWNER'S CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL SERVICES AND UTILITIES ADJACENT TO THE WORK ZONE PRIOR TO COMMENCEMENT OF CONSTRUCTION. SHOULD ANY DISCREPANCIES BE DISCOVERED IN RELATION TO THE CONTRACT DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THE OWNER'S CONTRACTOR SHALL RESTORE ALL FINISHED SURFACES DISTURBED DURING CONSTRUCTION TO EXISTING CONDITIONS OR BETTER.
- THE OWNER'S CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND PAY ALL FEES FOR THE INSTALLATION OF THE TAP AND THE PERMIT FOR APPROVED WORKS.
- OWNER'S CONTRACTOR TO COMPLY WITH THE MINISTRY OF LABOUR DIRECTIVES AND ONTARIO TRAFFIC MANUAL BOOK 7 AS A MINIMUM FOR SITE SPECIFIC TRAFFIC CONTROL.
- ALL WORKS SHALL BE CONDUCTED WITHIN THE MINISTRY OF LABOUR, OPSS AND MINISTRY OF TRANSPORTATION STANDARDS

SEDIMENT & EROSION CONTROL MEASURES:

- PROTECT ALL EXPOSED SURFACES AND CONTROL ALL RUNOFF DURING CONSTRUCTION.
- ALL EROSION CONTROL MEASURES TO BE IN PLACE BEFORE STARTING CONSTRUCTION.
- SEDIMENT AND EROSION CONTROL MEASURES TO BE REMOVED AT COMPLETION OF PROJECT (FOLLOWING COMPLETION OF BASE ASPHALT AND SOD).
- MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION.
- ALL COLLECTED SEDIMENT TO BE DISPOSED OF AT AN APPROVED LOCATION.
- MINIMIZE AREA DISTURBED DURING CONSTRUCTION.
- LIMIT THE SIZE OF DISTURBED AREAS BY MINIMIZING NONESSENTIAL CLEARING AND GRADING.
- MAINTAIN OVERLAND SHEET FLOW AND AVOID CONCENTRATED FLOWS.
- ALL DEWATERING TO BE DISPOSED OF IN AN APPROVED SEDIMENTATION BASIN.
- IF LOCALIZED DEWATERING IS REQUIRED, DEWATERING EFFLUENT SHALL BE DIRECTED TO A DEWATERING TRAP AS PER OPSD 219.240 FOR SEDIMENT AND EROSION CONTROL PRIOR TO DISCHARGING OVERLAND TO THE WETLAND. IF REQUIRED, DEWATERING TRAPS ARE TO BE LOCATED ENTIRELY ON SITE AND OUT OF THE 30M WETLAND BUFFER. IF THE DEWATERING OPERATION EXCEEDS THE CAPACITY OF THE DEWATERING TRAP, OR IF DEWATERING TRAP FAILS, THE OPERATION SHALL BE STOPPED IMMEDIATELY UNTIL A SECOND (CONTINGENCY) TRAP IS CONSTRUCTED FOR THE DEWATERING OPERATION TO CONTINUE.
- PROTECT ALL CATCH BASINS, MAINTENANCE HOLES AND PIPE ENDS FROM SEDIMENT INTRUSION WITH GEOTEXTILE FABRIC (TERRAFIX 270 R), SILT SACKS, OR APPROVED EQUAL.
- KEEP ALL SUFFS CLEAN DURING CONSTRUCTION.
- PREVENT WIND-BLOWN DUST.
- MAKE AN EFFORT TO RETAIN EXISTING VEGETATION AND STABILIZE EXPOSED SOILS WITH VEGETATION WHERE, AND AS SOON AS POSSIBLE.
- STRAW BALES TO BE USED IN LOCALIZED AREAS AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION FOR WORKS WHICH ARE IN OR ADJACENT TO FLOOD LINES. FILL STRAW BALES TO BE TERMINATED BY ROUNDING BALES TO CONTAIN AND FILTER RUNOFF.
- OBTAIN APPROVAL FROM THE GRAND RIVER CONSERVATION AUTHORITY (GRCA) PRIOR TO CONSTRUCTION FOR WORKS WHICH ARE IN, OR ADJACENT TO FLOOD LINES, FILL LINES AND HAZARDOUS SLOPES.
- ALL SILT FENCING AND DETAILS ARE AT THE MINIMUM TO BE CONSTRUCTED IN ACCORDANCE WITH THE DECEMBER 2006 EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION BY THE GRCA.
- ADDITIONAL STRAW BALES, SILT FENCE, AND RIP-RAP MATERIALS SHOULD BE KEPT ON THE SITE FOR CONTINGENCY PURPOSES.
- ALL OF THE ABOVE NOTES AND ANY SEDIMENT & EROSION CONTROL MEASURES ARE AT THE MINIMUM TO BE IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES.
- SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY OR FOLLOWING SIGNIFICANT RAINFALL EVENTS.
- ON-SITE SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE REVIEWED AND MODIFIED TO MEET THE CHANGING SITE.
- THE OWNER'S REPRESENTATIVE SHALL (OR SHALL ASSIGN SOMEONE TO) INSPECT THE SITE AT LEAST ONCE A WEEK DURING CONSTRUCTION. IN THE CASE OF A DEFICIENCY IN ANY OF THE IMPLEMENTED SEDIMENT AND EROSION CONTROL MEASURES, THE PROJECT ENGINEER, MR. HASAN AHMAD, P.ENG. OR KEVIN MONIZ P.ENG. (STRIK BALDINELLI MONIZ LTD.) SHALL BE CONTACTED IMMEDIATELY TO DETERMINE APPROPRIATE REPAIR MEASURES.
- MAINTENANCE SHALL BE CARRIED OUT, WITHIN 48 HOURS, ON ANY PART OF THE SEDIMENT AND EROSION CONTROL FEATURES FOUND TO NEED REPAIR.
- ALL SMALL STABILIZE ALL DISTURBED SOIL WITHIN 90 DAYS OF BEING DISTURBED. CONTROL ALL NOXIOUS WEEDS, AND KEEP GROUND COVER TO A MAXIMUM HEIGHT OF 150 MM (6 INCHES) UNTIL THE COMPLETION OF THE LANDSCAPING WITHIN THE UNIT BOUNDARY.
- MUD MATS TO BE PROVIDED ON-SITE AT CONSTRUCTION ENTRANCE LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. MUD MAT SHALL BE IN ACCORDANCE WITH CITY OF GUELPH STANDARD DRAWING 5-45 'CONSTRUCTION ENTRANCE MUD MAT DETAIL FOR CITY ROAD ACCESS'

LEGEND:



CITY OF GUELPH STANDARDS:

- CITY OF GUELPH STANDARD DRAWINGS:**
- SD-2 CONCRETE SIDEWALK
 - SD-4A PREFERRED SIDEWALK RAMP - SEPARATE LANDING AREAS
 - SD-24 VALVE BOX INSTALLATION 100 TO 300 DIA. WATERMANS
 - SD-28 STANDARD BLOW-OFF
 - SD-29 STANDARD BEDDING FOR SEWERS AND WATERMANS
 - SD-44 BENCHING DETAIL FOR MANHOLES
 - SD-54A TRACER WIRE DETAILS FOR PVC WATERMAIN
 - SD-55 SEWER & WATERMAIN LATERALS
 - SD-83 CONCRETE PAINTING STRIPS INSTALLATION
 - SD-84 TEMPORARY EROSION AND SEDIMENT CONTROL AROUND CATCHBASINS
 - SD-90B TREE PLANTING ON PUBLIC BOULEVARD

OPSD PROVINCIAL STANDARDS:

- DIVISION 200 GRADING SECTIONS:**
- OPSD 219.110 LIGHT-DUTY SILT FENCE BARRIER
- DIVISION 300 SIDE ENTRANCES:**
- OPSD 310.010 CONCRETE SIDEWALK
 - OPSD 310.020 CONCRETE SIDEWALK, ADJACENT TO CURB AND GUTTER
 - OPSD 310.039 CONCRETE SIDEWALK RAMPS TACTILE WALKING SURFACE INDICATORS COMPONENT
 - OPSD 310.050 CONCRETE SIDEWALK, DRIVEWAY ENTRANCE DETAILS
 - OPSD 350.010 URBAN INDUSTRIAL, COMMERCIAL, AND APARTMENT ENTRANCES
- DIVISION 400 FRAMES AND GRATES:**
- OPSD 400.020 CAST IRON, SQUARE FRAME WITH SQUARE FLAT GRATE FOR CATCH BASINS, HERRING BONE OPENINGS
 - OPSD 401.010 CAST IRON, SQUARE FRAME WITH CIRCULAR CLOSED OR OPEN COVER FOR MAINTENANCE HOLES
 - OPSD 405.010 MAINTENANCE HOLE STEPS, HOLLOW
 - OPSD 405.020 MAINTENANCE HOLE STEPS, SOLID
- DIVISION 600 CURBS AND GUTTERS:**
- OPSD 600.030 CONCRETE MOUNTABLE CURB WITH WIDE GUTTER
 - OPSD 600.040 CONCRETE BARRIER CURB WITH STANDARD GUTTER
 - OPSD 600.110 CONCRETE BARRIER CURB
 - OPSD 608.010 METHOD OF TERMINATION FOR CONCRETE CURB WITH GUTTER
- DIVISION 700 C. BASINS AND M. HOLES:**
- OPSD 701.010 PRECAST CONCRETE MAINTENANCE HOLE, 1200 MM DIAMETER
 - OPSD 701.021 MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES
 - OPSD 701.030 PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS, 1200 MM DIAMETER, TAPERED TOP AND FLAT CAP
 - OPSD 701.031 PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS, 1200 MM DIAMETER, RISER AND MONOLITHIC BASE
 - OPSD 701.032 PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS, 1200 MM DIAMETER, BASE SLAB
 - OPSD 704.010 PRECAST CONCRETE ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS
 - OPSD 708.030 CATCH BASIN CONNECTION FOR FLEXIBLE MAIN PIPE SEWER
- DIVISION 800 CULVERTS AND DRAINS:**
- OPSD 802.010 FLEXIBLE PIPE, EMBEDMENT AND BACKFILL, EARTH EXCAVATION
- DIVISION 1000 SANITARY SEWERS, MANHOLES & CATCH BASINS:**
- OPSD 1006.010 SEWER SERVICE CONNECTIONS FOR MAIN PIPE SEWER
- DIVISION 1100 WATERMANS:**
- OPSD 1105.010 HYDRANT INSTALLATION
 - OPSD 1109.011 CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS

SITE BENCHMARK:

BENCHMARK 1
MONUMENT TYPE: CITY OF GUELPH SURVEY BENCHMARK

LOCATION: WEST_MONTROSE TABLET IN A CONCRETE PIER 30 CM IN DIAMETER, AT GROUND LEVEL, WEST SIDE OF ORCHARD CRESCENT, 0.1 KM NORTH FROM CALLANDER STREET, 24.4 M SOUTHEAST FROM SOUTHEAST CORNER OF HOUSE NO. 12, 23.7 M NORTHEAST FROM NORTHEAST CORNER OF HOUSE NO. 10, 1.7 M SOUTHEAST FROM HYDRO POLE AND 60 CM WEST FROM THE CURB. ESTABLISHED BY TOPOGRAPHICAL SURVEY. Township: WEST_MONTROSE TABLET IN A CONCRETE PIER 30 CM IN DIAMETER, AT GROUND LEVEL, WEST SIDE OF ORCHARD CRESCENT, 0.1 KM NORTH FROM CALLANDER STREET, 24.4 M SOUTHEAST FROM SOUTHEAST CORNER OF HOUSE NO. 12, 23.7 M NORTHEAST FROM NORTHEAST CORNER OF HOUSE NO. 10, 1.7 M SOUTHEAST FROM HYDRO POLE AND 60 CM WEST FROM THE CURB. ESTABLISHED BY TOPOGRAPHICAL SURVEY. GEODEIC ELEVATION: 354.558m

BENCHMARK 2
MONUMENT TYPE: CITY OF GUELPH SURVEY BENCHMARK #

LOCATION: CONCRETE RETAINING WALL ON EAST SIDE OF HWY 24, 2.3 KM NORTH OF POST OFFICE AT GUELPH, 0.2 KM SOUTH OF VICTORIA RD. TABLET IS SET HORIZONTALLY IN WEST FACE OF EAST CONCRETE WALL, 9.5 M EAST OF CENTRELINE OF HWY 24, 38.1 M SOUTH OF NORTH END OF WALL, 1.34 M BELOW TOP OF WALL AND 20 CM ABOVE SIDEWALK. GEODEIC ELEVATION: 353.488m

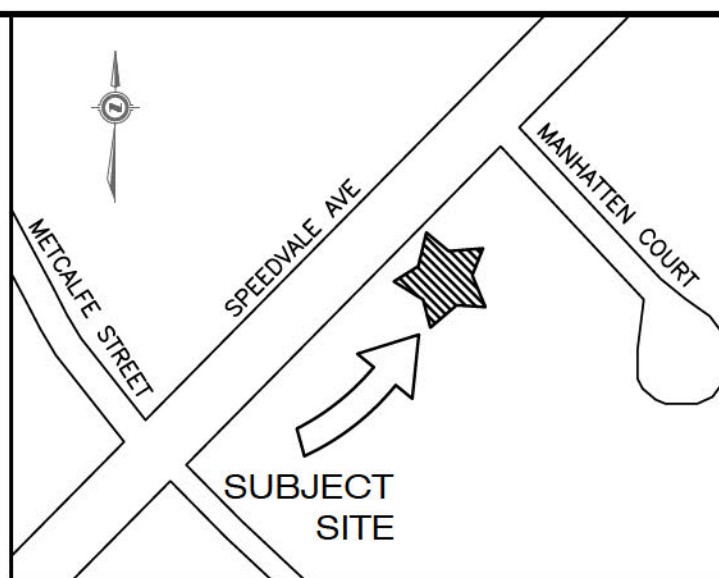
(CONTRACTOR TO CONFIRM BENCHMARK ELEVATIONS)

REFERENCE DOCUMENTS:

- PLAN OF SURVEY AND TOPOGRAPHICAL INFORMATION OBTAINED FROM PLANS BY J.D BARNES, JOB No. 23-14-947-00, DATED JUNE 22, 2023.
- BUILDING ELEVATIONS BY STRIK, BALDINELLI, MONIZ LTD. FILE No. SBM-23-1518.
- LANDSCAPE INFORMATION PROVIDED BY DAN WEAGANT.
- FUNCTIONAL SERVICING REPORT BY STRIK, BALDINELLI, MONIZ LTD. FILE No. SBM-23-1518.

LEGAL INFORMATION

PART OF
LOT 15
CONCESSION 2, DIVISION 'F'
IN THE
CITY OF GUELPH
COUNTY OF WELLINGTON



KEY PLAN
N.T.S.

LIST OF SUBMITTALS

NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING MATERIALS.
SHOP DRAWINGS - STORM & SANITARY STRUCTURES
SHOP DRAWINGS - RETAINING WALL
PRODUCT SPECIFICATIONS - SEWER AND WATERMAIN, INCLUDING APURTURANCES
CCTV OF STORM AND SANITARY SEWERS
WATERMAIN TESTING RESULTS
MANDREL, LEAKAGE, AND LOW PRESSURE AIR TESTING RESULTS

LIST OF ITEMS REQUIRING ENGINEER'S REVIEW

NOTE: CONTRACTOR TO PROVIDE MIN. 48 HOURS NOTICE PRIOR TO REQUESTED FIELD REVIEW TIME.
EROSION AND SEDIMENT CONTROL MEASURES, UPON COMPLETION
SERVICING IN MUNICIPAL RIGHT-OF-WAY (R.O.W.), DURING CONSTRUCTION
ON-SITE STORM SERVICING, PRIOR TO BACKFILL
ON-SITE SANITARY SERVICING, PRIOR TO BACKFILL
ON-SITE WATERMAIN SERVICING, PRIOR TO BACKFILL
WATERMAIN COMMISSIONING, DURING PROCEDURE
PODIUM DECK WATERPROOFING FLOOD TEST PRIOR TO FINAL SURFACE STRUCTURE INSTALLATION (I.E. CONCRETE, ASPHALT, PAVERS, ETC.). FLOOD TEST TO BE COORDINATED WITH BUILDING SCIENCE/ ARCHITECT/ STRUCTURAL/ MECHANICAL/ CIVIL CONSULTANTS.
GRADING - CURB & GUTTER STRINGLINE, PRIOR TO CURB INSTALLATION
STORMWATER MANAGEMENT CONTROLS, UPON COMPLETION
FINAL GRADING, UPON COMPLETION

LIST OF DRAWINGS

SHEET C1	NOTES AND LEGEND
SHEET C2	EXISTING CONDITIONS, REMOVALS, AND SEDIMENT & EROSION CONTROL PLAN
SHEET C3	SITE SERVICING PLAN
SHEET C4	SITE GRADING PLAN AND STORMWATER MANAGEMENT PLAN
SHEET C5	STANDARD DETAILS
SHEET TOP1	TRAFFIC GEOMETRICS PLAN
SHEET L1	LANDSCAPE PLAN
SHEET L2	NOTES, PLANT LIST, STANDARD DETAILS
SHEET SM1	SALT MANAGEMENT PLAN

AS CONSTRUCTED SERVICES	COMPLETION	No.	REVISIONS	D/M/Y	BY	CONSULTANT
DESIGN	xx	1	FOR OPA/ZBA SUBMISSION	31/01/24	BLG	
DRAWN	xx					
CHECKED	xx					
APPROVED	xx/KAM					
DATE	01/02/2024					
CAD	23-1518					

STRIK BALDINELLI MONIZ
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ENGINEER'S STAMP
PRELIMINARY NOT FOR CONSTRUCTION

CLIENT
HABITAT FOR HUMANITY
Suite 100B - 104 Dawson Rd.
Guelph, ON
N1H 1A6
P: 226-770-4341
E: Brett@habitatgw.ca

SCALE
TITLE
N/A

PROJECT No.
SBM-23-1518

SHEET No.
C1

PLAN FILE No.
-

NOTES AND LEGEND
HABITAT FOR HUMANITY
303 - 317 SPEEDVALE AVE EAST
GUELPH, ON.