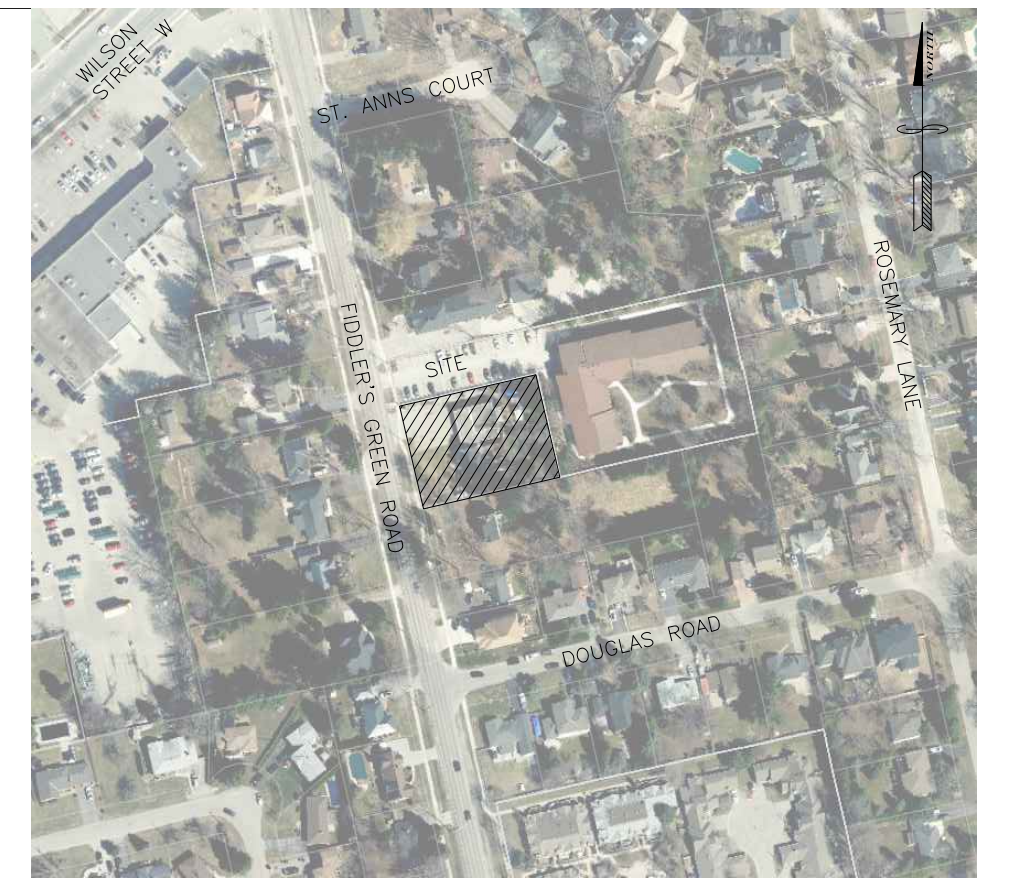


STANDARD NOTES

- B. SITE STORM SEWERS**
- CONSTRUCTION OF PRIVATE STORM SEWERS SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) AND THE MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).
 - STORM SEWERS (200MM TO 300MM) SHALL BE PVC PIPE, CSA B182.2, SDR-35.
 - COVER AND BEDDING MATERIAL FOR PVC PIPE SHALL BE GRANULAR 'A' AS PER OPSD 802.010 OR 802.013.
 - PVC PIPE SHALL REQUIRE SPECIAL PROCEDURES AS PER CITY SPECIFICATIONS.
 - ALL SEWERS SHALL BE FLUSHED PRIOR TO VIDEO INSPECTION.
 - MANHOLE FRAMES AND COVERS SHALL BE AS PER OPSD 401.010 (OPEN).
 - PVC SEWERS ARE TO BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AFTER INSTALLATION. PRIOR TO ACCEPTANCE BY THE CITY PIPE DEFLECTION TESTING SHALL BE REPEATED.
 - ALTERNATE MATERIALS MAY BE ACCEPTABLE PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE CITY/ENGINEER.
 - MH1 SHALL CONSIST OF 1500MM BASE-SLAB AND RISER (MONOLITHIC) AS PER OPSD 701.041, TOGETHER WITH FLAT CAP FOR PRECAST CONCRETE DITCH-INLET AS PER OPSD 706.010. TOP-GRATE FOR THE INLET SHALL BE HONEYCOMB GRATING AS PER OPSD 403.010.
 - MH2 SHALL BE AN OIL-GRIT-SEPARATOR MANHOLE MODEL 'STORMCEPTOR EFB' OR APPROVED EQUIVALENT. EQUIVALENT DESIGNS REQUIRE REVIEW AND SIGN-OFF FROM THE ENGINEER AND CITY PRIOR TO INSTALLATION.
 - MH3 SHALL BE 1200MM DIA. AS PER OPSD 701.010 AND SHALL BE FURNISHED WITH ORIFICE PLATE AS PER DETAIL ON THIS SHEET.
 - CULTEC RECHARGER 902HD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION COMPLETE WITH ALL RELEVANT SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR MUST PROVIDE CERTIFICATION OF INSTALLATION BY THE MANUFACTURER PRIOR TO ACCEPTANCE. ALTERNATE UNDERGROUND STORAGE MEANS MAY BE CONSIDERED, AND REQUIRE REVIEW AND SIGN-OFF FROM THE ENGINEER AND CITY PRIOR TO INSTALLATION.
- C. PRIVATE DRAINS**
- CONSTRUCTION OF PRIVATE DRAINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) AND THE MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).
 - TO BE LOCATED AS INDICATED ON THE FACE OF THE PLAN.
 - 200MM SANITARY PRIVATE DRAINS SHALL BE PVC PIPE CSA B182.1 M-1983, SDR-28 AS PER FORM 50 (ANY COLOR OTHER THAN WHITE). WOOD MARKING AT THE END OF THE SANITARY PRIVATE DRAIN SHALL BE PAINTED RED.
 - COVER AND BEDDING MATERIAL FOR PRIVATE DRAINS SHALL BE GRANULAR 'A' INSTALLED AS PER OPSD 802.010 OR 802.013.
 - MINIMUM FALL FOR PRIVATE DRAINS SHALL BE 2.0% SLOPE.
 - TOP OF PRIVATE DRAINS AT STREET LINE SHALL BE IN ACCORDANCE WITH THE INVERT ELEVATION INDICATED ON THE PLAN AT THE BUILDING FACE, LESS SLOPE TO STREET LINE AT 2%.
 - PRIVATE DRAIN CONNECTIONS TO THE MUNICIPAL SEWER SHALL BE AS PER CITY STANDARD DRAWING SEW-300.
- B. WATER SERVICES**
- CONSTRUCTION OF PRIVATE WATER SERVICES SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) AND THE MINISTRY OF THE ENVIRONMENT GUIDELINES (LATEST EDITION).
 - WATER SERVICE CONNECTION SHALL BE AS PER CUT-IN TEE COMPLETE WITH ANCHOR BLOCK TO CITY OF HAMILTON STANDARD WM 204.01 - WITH CURB-STOP IMMEDIATELY ADJACENT TO THE STREET LINE.
 - GRANULAR BEDDING AS PER WM-200.01 AND WM-200.02 TO BE GRANULAR 'D' AS PER FORM 600.
 - VALVE BOXES TO BE CONSTRUCTED AT PROPERTY LIMIT AS PER WM-202.
- C. SURFACE WORKS**
- CONCRETE CURBS AND GUTTERS SHALL BE AS PER OPSD 600.110, CONCRETE MUST HAVE MIN 30 MPA 28-DAY STRENGTH.
 - CURB DEPRESSIONS AT DRIVEWAYS SHALL BE AS PER OPSD 600.110 AND OPSD 351.010.
 - 1.5M CONCRETE SIDEWALK AS PER HAMILTON STANDARD DRAWING RD-103 (125MM THICKNESS, MIN. 30 MPA STRENGTH WITH GRANULAR 'A' BASE AS REQUIRED TO PROVIDE A LEVELLING COURSE FOR THE CONCRETE. AT DRIVEWAYS CONCRETE DEPTH TO BE 175MM).
 - DRIVE AISLE SHALL CONSIST OF A MINIMUM OF 300MM GRANULAR 'B', 150MM GRANULAR 'A', 80MM HL3 & 40MM HL3. CONSTRUCTED ABOVE SUB-GRADE MATERIAL COMPACTED TO 100% SPD.
 - PARKING AREAS SHALL CONSIST OF A MINIMUM OF 300MM GRANULAR 'A' AND 60MM HL3, CONSTRUCTED ABOVE SUB-GRADE MATERIAL COMPACTED TO 100% SPD.
 - ROAD RESTORATION WITHIN CUTS FOR SERVICE INSTALLATIONS SHALL BE AS PER RD-100.01. GRANULAR 'A' SHALL BE USED TO MATCH EXISTING DEPTH OF GRANULAR WITHIN ROADWAY.
 - ASPHALT RESTORATION WITHIN THE MUNICIPAL ROAD SHALL INCLUDE BASE COURSE OF 80MM SUPERPAVE 19.0 AND TOP COURSE OF 40MM SUPERPAVE 9.5 (TRAFFIC CATEGORY C), PG 58-28 ASPHALT CEMENT.
 - BOULEVARD AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH MIN. 100MM DEPTH TOPSOIL AND SOD.
- D. COMPACTION REQUIREMENTS**
- ALL BEDDING AND BACKFILL MATERIAL, ROAD SUB-GRADES AND GENERALLY ALL MATERIAL USED FOR LOT GRADING, FILL SECTIONS ETC. SHALL BE COMPACTED TO MINIMUM 100% SPD UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL ENGINEER.
 - ALL MATERIALS SHALL BE PLACED IN LIFTS NOT EXCEEDING 300MM IN DEPTH.
 - ALL GRANULAR ROAD BASE MATERIALS SHALL BE COMPACTED TO 100% SPD.
- E. SILTATION AND EROSION CONTROL**
- SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED ON THE PLAN ACCORDING TO DETAIL 'B' (THIS SHEET).
 - ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL EVENT TO THE SATISFACTION OF THE CITY OF HAMILTON.
 - CATCH BASIN SEDIMENT CONTROL DEVICES SHALL BE SILTSACK BY ACF ENVIRONMENTAL OR APPROVED EQUIVALENT, TO BE PLACED AS PER THE MANUFACTURER'S RECOMMENDATIONS (IF APPLICABLE).
 - ADDITIONAL SILTATION CONTROL MEASURES MAY BE REQUIRED AS PER FIELD CONDITIONS AS DETERMINED BY THE CITY.



KEY PLAN N.T.S.

BENCHMARK NOTE:
 ELEVATION = 248.131 (CGVD-1928)
 MONUMENT: 00119175U132

PUMPING STATION: WILSON STREET AT SEMINOLE ROAD, TABLET IN TOP OF CONCRETE WELL 27.4m SOUTHWEST OF CENTRELINE OF WILSON STREET, 18.0m NORTHEAST OF CENTRELINE OF SEMINOLE ROAD, 15.2m SOUTHWEST OF HYDRO POLE, 8.2m SOUTHWEST OF CORNER OF PUMP HOUSE.

SITE BENCHMARK:
 ELEVATION = 251.07m
 CUT-STAR IN MUNICIPAL SIDEWALK ON EAST SIDE OF FIDDLER'S GREEN ROAD AT SITE FRONTAGE AS INDICATED ON PLAN.

- GENERAL NOTES:**
- TENDERER SHALL SATISFY THEMSELVES AS TO THE NATURE OF THE GROUND AND BID ACCORDINGLY.
 - ALL ROCK LINE INDICATIONS SHOWN ON THE PLAN MUST BE VERIFIED BY THE CONTRACTOR.
 - CONTRACTOR SHALL VERIFY LOCATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWERS AND WATERMANS, PRIVATE DRAINS AND WATER SERVICES, GAS MAINS, CABLE TV, HYDRO AND TELEPHONE DUCTS ETC AT START OF CONSTRUCTION.

NO.	DATE	DESCRIPTION
0	2022-05-12	ISSUED FOR INTERNAL REVIEW

REVISIONS	

SEAL

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 ANCASTER, ON L9K 1S4
 ANDREW@LANDSMITHCE.COM
 289-775-9374

CLIENT:
 SHCHERBATYKH HOLDINGS INC.

MUNICIPALITY:
 TOWN OF HAMILTON, ANCASTER

PROJECT NAME:
 111&115 FIDDLER'S GREEN ROAD

TITLE:
 SITE SERVICING AND EROSION AND SEDIMENT CONTROL PLAN

SCALE:	1:100	DATE:	2022-05-12
CHECKED BY:	AS	DESIGNED BY:	DH
DWG No:	21S47	SHEET No:	51

LEGEND

○ SAN	EXISTING SANITARY MAINTENANCE HOLE	45° BEND	PROPOSED 45° WATERMAIN BEND
● SAN	PROPOSED SANITARY MAINTENANCE HOLE	90° BEND	PROPOSED 90° WATERMAIN BEND
○ PLUG	EXISTING PLUG	+	EXISTING WATERMAIN CROSS
■ PLUG	PROPOSED PLUG	+	PROPOSED WATERMAIN CROSS
○ STM MH	EXISTING STORM MAINTENANCE HOLE	▷	EXISTING WATERMAIN REDUCER
● STM MH	PROPOSED STORM MAINTENANCE HOLE	▷	PROPOSED WATERMAIN REDUCER
□ CB	EXISTING CATCH BASIN	+	EXISTING WATERMAIN TEE
■ CB	PROPOSED CATCH BASIN/AREA DRAIN	+	PROPOSED WATERMAIN TEE
□ DCB	EXISTING DOUBLE CATCH BASIN	⊗ WV	EXISTING WATER VALVE
■ DCB	PROPOSED DOUBLE CATCH BASIN	● WV	PROPOSED WATER VALVE
□ DICB	EXISTING DITCH INLET CATCH BASIN	100.50	EXISTING ELEVATION
■ DICB	PROPOSED DITCH INLET CATCH BASIN	×	PROPOSED ELEVATION
○ CBMH	EXISTING CATCH BASIN MAINTENANCE HOLE	---	PROPOSED APRON ELEVATION
● CBMH	PROPOSED CATCH BASIN MAINTENANCE HOLE	---	PROPOSED SWALE ELEVATION
11.25° BEND	PROPOSED 11.25° WATERMAIN BEND	△	PROPOSED ENTRANCE LOCATION
22.5° BEND	PROPOSED 22.5° WATERMAIN BEND	⊗	PROPOSED WATER METER LOCATION
---	PROPOSED SILT FENCE		