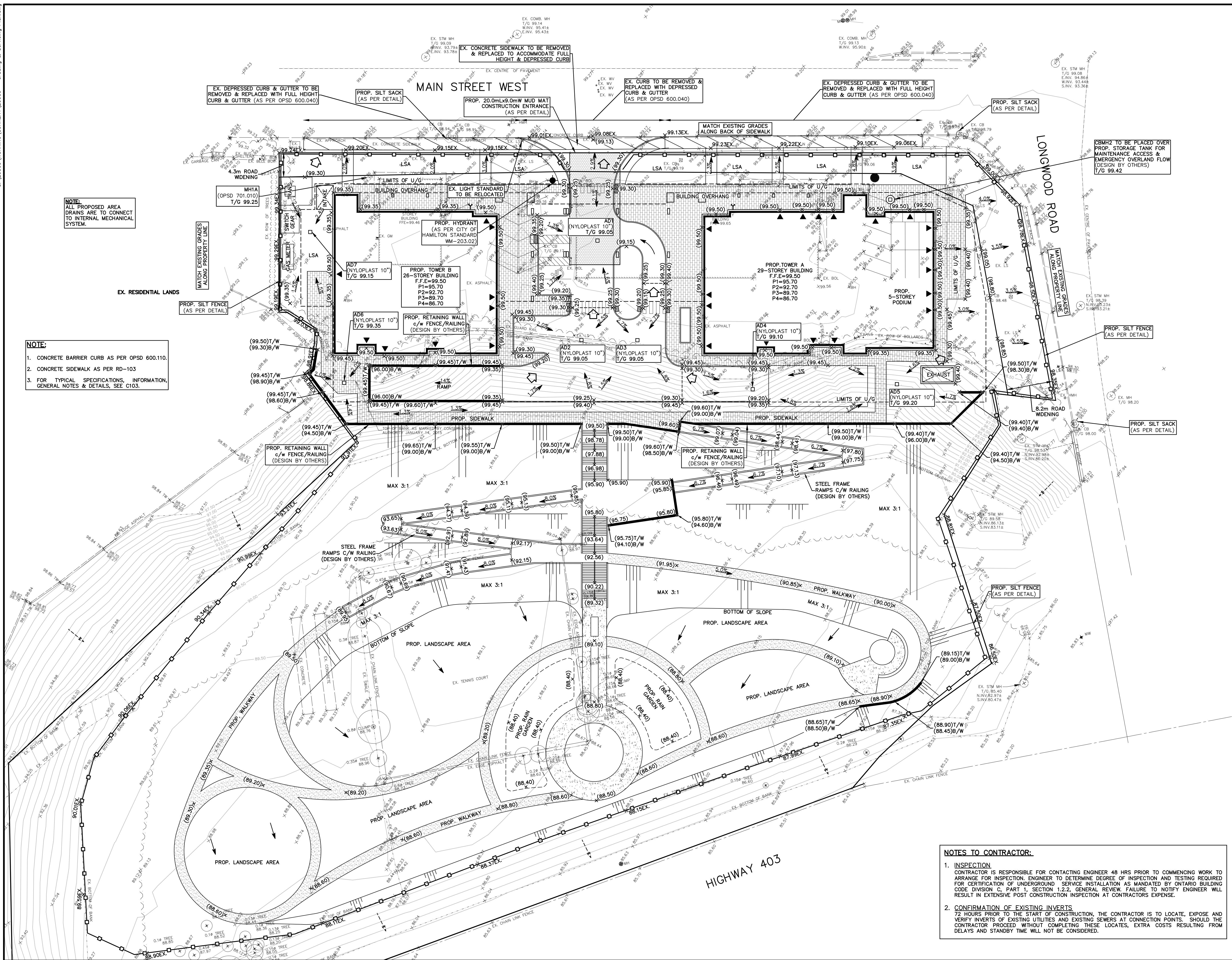




LEGEND:

↓ 209.01'
 X(209.00)
 X209.00EX
 2.0% →

EXISTING GROUND ELEVATION
 PROPOSED GROUND ELEVATION
 PROPOSED ELEVATION TO MATCH EXISTING
 PROPOSED DIRECTION OF SHEET FLOW
 EXISTING CATCHBASIN
 EXISTING STORM/SANITARY MANHOLE
 PROPOSED AREA DRAIN
 PROPOSED STORM/SANITARY MANHOLE
 PROPOSED CURB STOP/GATE VALVE
 EMERGENCY OVERLAND FLOW ROUTE
 PROPOSED DRAINAGE BREAK LINE
 PROPOSED SILTATION CONTROL FENCE
 PROPOSED CATCHBASIN SILT SACK

BENCH MARK NOTE:
NO. 65_U025

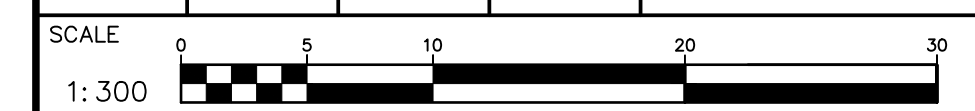
WESTDALE SECONDARY SCHOOL AT NORTHEAST
CORNER OF MAIN STREET & LONGWOOD ROAD,
TABLET IN NORTH WALL 7.5m EAST OF
NORTHWEST CORNER AT REAR SIDE ENTRANCE
0.3m BELOW BRICK, 0.3m BELOW ROAD LEVEL.

04	JUN 17/26	MC	REVISED SITE PLAN
03	MAR 6/26	MC	REVISED SITE PLAN
02	NOV 15/24	YM	REVISED SITE PLAN
01	SEPT 15/23	MC	ISSUED FOR SPA
NO.	DATE	BY	REVISIONS

NOTES TO CONTRACTOR:

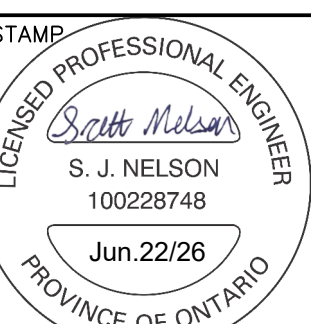
1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR SHALL ACCEPT RESPONSIBILITY FOR THE ACCURACY OF ALL DIMENSIONS AND ELEVATIONS. THE POSITIONS OF POLE LINES, CROSSINGS, WATERWAYS, SEWERS AND OTHER UNDERGROUND AND SURFACE UTILITIES ARE INDICATED AND LOCATED BY THE NECESSARY AND ASSUMED DATA WHERE SHOWN ON THE DRAWING. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXISTING UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
4. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, RESOLD, REUSE, OR LENT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND ASSOCIATES LIMITED.

DESIGN	MC	CHK'D	SF	DATE Jun. 22, 26
DRAWN	MT	CHK'D	SF	



APPROVALS

NOT FOR
CONSTRUCTION



S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS

Phone: (905) 631-6978
Website: www.sla.on.ca
Email: info@sla.on.ca

3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT _____

EFFORT TRUST
HAMILTON, ONTARIO

PROJECT NAME

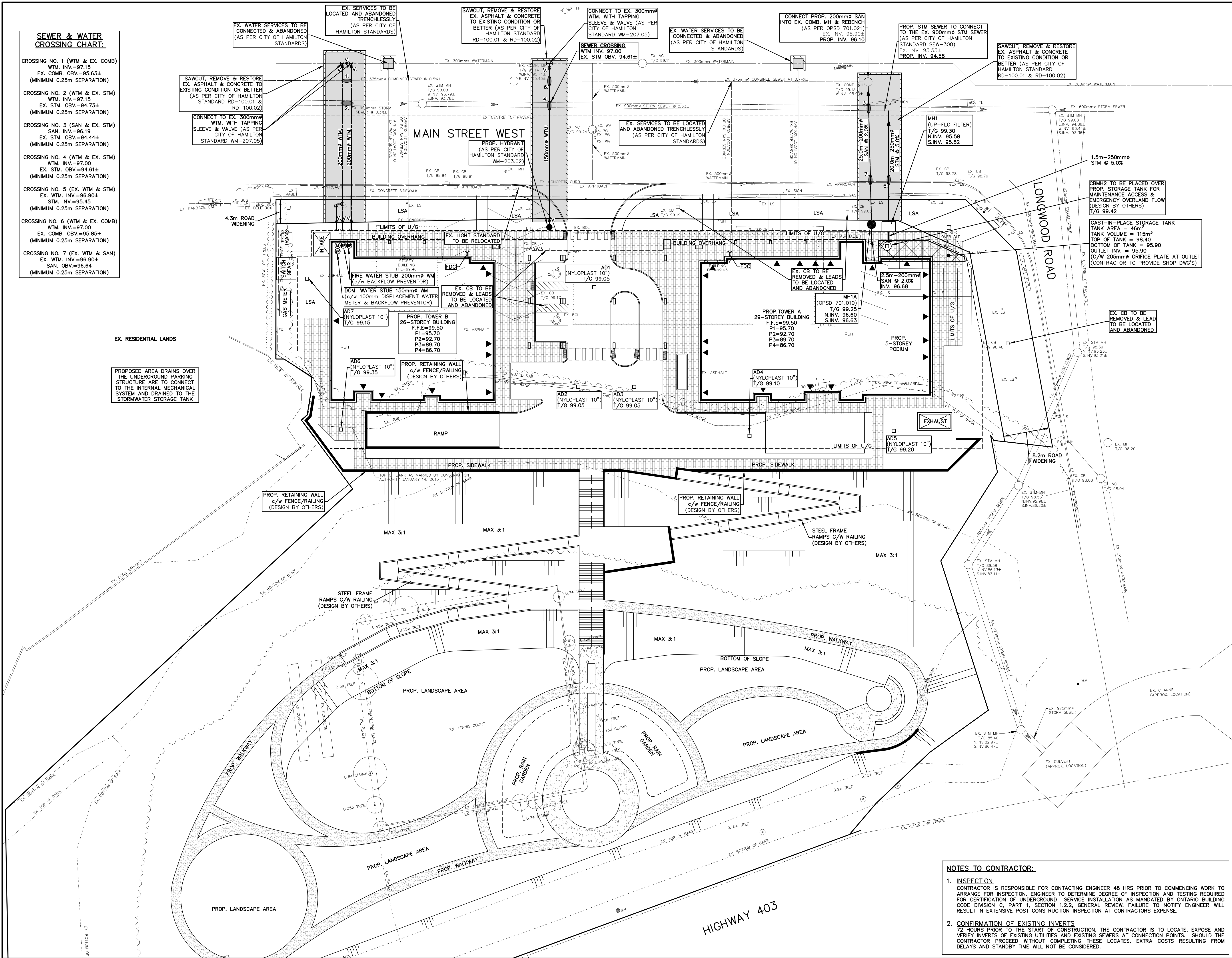
925 MAIN STREET WEST
HAMILTON, ONTARIO

TITLE
PRELIMINARY GRADING & EROSION
CONTROL PLAN

PROJECT No. 20009	DRAWING No. C101
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S:\20009\WORKING\CURRENT\20009 - Grading & Servicing Plan.dwg
Plotted: June 22, 2026 4:33:59 PM By: Michael Colasim

SEWER & WATER CROSSING CHART	
CROSSING NO. 1 (WTM & EX. COMB)	EX. COMB. OBV.=95.63± (MINIMUM 0.25m SEPARATION)
CROSSING NO. 2 (WTM & EX. STM)	EX. STM. INV.=97.15 EX. STM. OBV.=94.73± (MINIMUM 0.25m SEPARATION)
CROSSING NO. 3 (SAN & EX. STM)	EX. STM. INV.=96.19 EX. STM. OBV.=94.44± (MINIMUM 0.25m SEPARATION)
CROSSING NO. 4 (WTM & EX. STM)	EX. STM. INV.=97.00 EX. STM. OBV.=94.61± (MINIMUM 0.25m SEPARATION)
CROSSING NO. 5 (EX. WTM & STM)	EX. WTM. INV.=96.90± STM. INV.=95.45 (MINIMUM 0.25m SEPARATION)
CROSSING NO. 6 (WTM & EX. COMB)	EX. COMB. OBV.=95.85± (MINIMUM 0.25m SEPARATION)
CROSSING NO. 7 (EX. WTM & SAN)	EX. WTM. INV.=96.90± SAN. OBV.=96.64 (MINIMUM 0.25m SEPARATION)



LEGEND:	
□	EXISTING CATCHBASIN
○	EXISTING STORM/SANITARY MANHOLE
□	PROPOSED CATCHBASIN/AREA DRAIN
●	PROPOSED CURB STOP/GATE VALVE
⊙	PROPOSED WATER METER
⊕	PROPOSED BACKFLOW PREVENTOR
▨	PROPOSED ROAD RESTORATION

BENCH MARK NOTE:
NO. 65_U025
WESTDALE SECONDARY SCHOOL AT NORTHEAST CORNER OF MAIN STREET & LONGWOOD ROAD, TABLET IN NORTH WALL 7.5m EAST OF NORTHWEST CORNER AT REAR SIDE ENTRANCE 0.3m BELOW BRICK, 0.3m BELOW ROAD LEVEL.
ELEVATION= 99.461m

NO.	DATE	BY	REVISIONS
04	JUN 17/26	MC	REVISED SITE PLAN
03	MAR 6/26	MC	REVISED SITE PLAN
02	NOV 15/24	YM	REVISED SITE PLAN
01	SEPT 15/23	MC	ISSUED FOR SPA

NOTES TO CONTRACTOR:
1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN & ASSOCIATES LIMITED.

DESIGN	MC	CHK'D	SF	DATE
DRAWN	MT	CHK'D	SF	Jun. 22, 26



APPROVALS	
NOT FOR CONSTRUCTION	STAMP LICENSED PROFESSIONAL ENGINEER S. J. NELSON 100228748 Jun. 22/26 PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
EFFORT TRUST
HAMILTON, ONTARIO

PROJECT NAME
925 MAIN STREET WEST
HAMILTON, ONTARIO

TITLE
PRELIMINARY SITE SERVING PLAN

PROJECT No.	2009	DRAWING No.	C102
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NOTES TO CONTRACTOR:
1. **INSPECTION**
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. **CONFIRMATION OF EXISTING INVERTS**
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

- ## SEWERS
1. SANITARY AND STORM SEWERS
 - A. CONSTRUCTION OF SANITARY & STORM SEWERS & PRIVATE DRAINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS & SPECIFICATIONS (LATEST EDITION) AND MINISTRY OF ENVIRONMENT (MOE) GUIDELINES (LATEST EDITION).
 - B. COVER AND BEDDING MATERIAL FOR CONCRETE PIPE SHALL BE GRANULAR 'A' MATERIAL AS PER OPSD 802.030 OR 802.033, CLASS 'B' BEDDING.
 - C. COVER AND BEDDING MATERIAL FOR PVC PIPE SHALL BE GRANULAR 'A' MATERIAL AS PER OPSD 802.010 OR 802.013.
 - D. PVC PIPE WILL REQUIRE SPECIAL CONSTRUCTION PROCEDURES AS PER CITY SPECIFICATIONS.
 - E. ALL SEWERS TO BE VIDEO INSPECTED AS PER OPSD 409.
 - F. ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
 - G. MANHOLE FRAMES AND COVERS SHALL BE AS PER OPSD 401.010 (STORM-OPEN, SANITARY-CLOSED).
 - H. CATCHBASIN FRAMES AND GRATES SHALL BE AS PER OPSD 400.100 IN PAVED AREA AND 400.120 IN LANDSCAPED AREAS.
 - I. ALL REAR LOT CATCHBASINS SHALL BE SUMPLESS AND HAVE NO GOSS TRAPS.
 - J. SANITARY SEWERS 200mm to 375mm in DIAMETER SHALL BE PVC PIPE, CSA B182.2, SDR-35.
 - K. STORM SEWERS 250mm to 600mm in DIAMETER SHALL BE PVC PIPE, CSA B182.2, SDR-35.
 - L. STORM SEWERS GREATER than 600mm in DIAMETER SHALL BE CONCRETE PIPE, CSA B182.2 (AS SPECIFIED).
 - M. ALL PVC STORM SEWERS ARE TO BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AFTER INSTALLATION AS PER OPSD 410. SANITARY SEWERS SHALL BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AND LEAKAGE (LOW AIR PRESSURE METHOD) AS PER OPSD 410. PRIOR TO ASSUMPTION BY THE CITY, PIPE DEFLECTION TESTING SHALL BE REQUIRED.
 - N. AREA DRAINS TO BE NYLOPLAST 12" HEAVY DUTY GRATE C/W CONCRETE SUPPORT RING AS PER MANUFACTURER'S SPECIFICATIONS.
 - O. DRAIN BASINS ARE TO BE EQUIPPED WITH CONCRETE SUPPORT RING AS PER MANUFACTURER'S SPECIFICATIONS.

- ## GRADING NOTES
- A. ALONG ADJOINING PROPERTIES GRADE TO MEET EXISTING OR PROPOSED ELEVATIONS WITH SODDED SLOPES (MIN. 3H TO 1V) AND/OR RETAINING WALLS AS SPECIFIED.
 - B. ALL RETAINING WALLS, WALKWAYS, CURBS, ETC., SHALL BE PLACED A MIN. OF 0.45m FROM THE PROPERTY LINE. ALL WALLS 1.0M OR HIGHER SHALL BE DESIGNED BY A P.E.N.G.
 - C. SHOULD A RETAINING WALL BE REQUIRED, THE TOP OF WALL ELEVATIONS SHALL BE SET 150mm ABOVE THE PROPOSED SIDE YARD SWALES.
 - D. RETAINING WALLS 0.6m IN HEIGHT OR GREATER REQUIRE CONSTRUCTION OF A FENCE OR RAIL TO BE INSTALLED DUE TO THE RAIL GUARDS FOR RETAINING WALLS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF EXTERIOR GUARDS AS CONTAINED IN THE ONTARIO BUILDING CODE.
 - E. TOP OF FOUNDATION WALLS FOR BUILDINGS SHALL BE 150mm (MIN) ABOVE FINISHED GRADE.
 - F. DRIVEWAY SLOPES SHALL NOT BE LESS THAN 2% AND NOT MORE THAN 7.0% UNLESS SLOPED DRIVEWAYS IN NEW DEVELOPMENTS ARE NOT PERMITTED.
 - G. IF GRADING IS REQUIRED ON LANDS ADJACENT TO THE DEVELOPMENT WHICH ARE NOT OWNED BY THE DEVELOPER, THEN THE DEVELOPER MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNER TO ALLOW THE DEVELOPER TO GRADE ON THE ADJACENT LANDS. OTHERWISE RETAINING WALLS MUST BE USED.
 - H. THE WRITTEN PERMISSION REQUIRED FROM THE ADJACENT LANDOWNER SHALL BE OBTAINED PRIOR TO ENTERING THE LANDS. SHOULD PERMISSION NOT BE OBTAINED OR IS WITHDRAWN PRIOR TO COMMENCING THE WORK, THEN THE DEVELOPER SHALL LIMIT HIS ACTIVITIES TO THE LIMITS OF THE DEVELOPMENT SITE.
 - I. DRIVEWAY AND DRIVEWAY APPROACHES SHALL BE LOCATED SUCH THAT HYDRO VAULTS AND OTHER STREET FURNITURE ARE A MIN. OF 1.2m FROM THE PROJECTIONS OF THE OUTSIDE GARAGE WALLS.
 - J. ANY CHANGES IN GRADES AND CATCH BASINS REQUIRE THE APPROVAL OF THE CITY'S MANAGER OF DEVELOPMENT ENGINEERING.
 - K. ALL DRIVEWAYS FROM PROPERTY LINES FOR THE FIRST 7.5m SHALL BE WITHIN 5% MAXIMUM GRADE, THEREAFTER, ALL DRIVEWAYS SHALL BE WITHIN 10% MAXIMUM GRADES.
 - L. SLOPES OF SWALES SHALL BE NO LESS THAN 2.0% GRADE AND NO GREATER THAN 33% GRADE (3:1 SLOPES)
 - M. WHEN MATCHING INTO EXISTING PROPERTIES WHERE A 2.0% GRADE CANNOT BE MAINTAINED A 1.5% SLOPE TO PERMITTING PROVIDER OF 150mm SUB-DRAIN IS INSTALLED BELOW THE BOTTOM OF THE SWALE AND DRAINED TO A SUITABLE OUTLET, (WITH A MINIMUM 0.3% COVER OVER THE SUB-DRAIN) OR OTHER MITIGATION MEASURES.

UNLESS OTHERWISE NOTED OR DIRECTED BY THE GEOTECHNICAL CONSULTANT, THE FOLLOWING SHALL APPLY: