







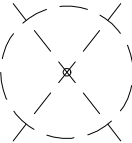
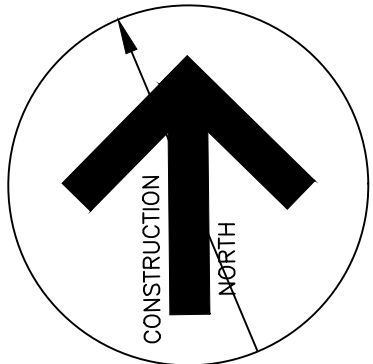



LEGEND

<i>XXXXXX</i>	EXISTING GRADE	APP	APPROACH
(XXXXXX)	PROPOSED GRADE	AD	AREA DRAIN
EX(XXXXXX)	PROPOSED GRADE = EXISTING GRADE	BBOX	BELL BOX
FEE(XXXXXX)	PROPOSED FINISHED FLOOR ELEVATION	CB	CATCH BASIN
	PROPOSED SHEET FLOW DIRECTION	CONC.	CONCRETE
	EXISTING SHEET FLOW DIRECTION	DAD	DOUBLE AREA DRAIN
	DIRECTION OF OVERLAND DRAINAGE	DC	DROP CURB
	ENTRANCE	EX.	EXISTING
	OVERHEAD DOOR ENTRANCE	FH	FIRE HYDRANT
==	PROPOSED HEAVY DUTY SILT FENCE AS PER CPSD 219.130	HP	HYDRO POLE
	PROPOSED SILT SAC AS PER DETAIL 2/C1-1	HV	HYDRO VAULT
	PROPOSED FIRE HYDRANT	LA	LANDSCAPING
<i>R#</i>	NUMBER OF RISERS	LS	LIGHT STANDARD
		MH	MANHOLE
		PROP.	PROPOSED
		SS	STOP SIGN
		TL	TRAFFIC LIGHT
		TD	TRENCH DRAIN



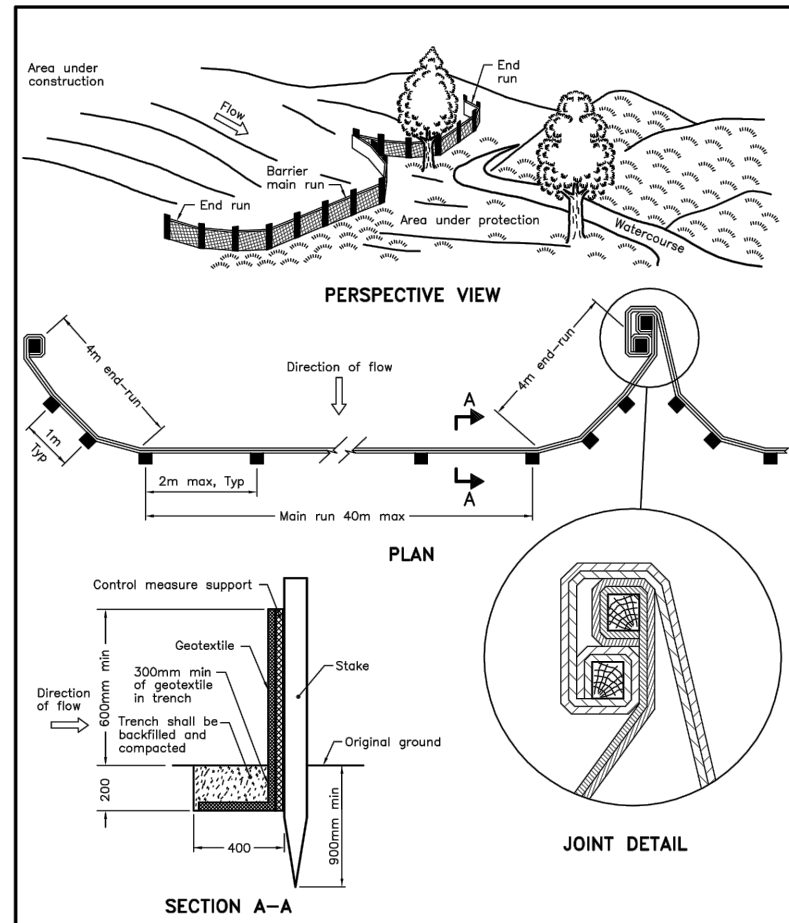
EXISTING TREES TO BE REMOVED




HATCH DENOTES PERMEABLE SURFACE

1. ALL RETAINING WALLS, WALKWAYS, CURBS, ETC., SHALL BE PLACED A MIN. OF 0.45m OFF THE PROPOSED SIDEWALK. THE WALL SHALL BE PLACED AT THE END OF A DRIVEWAY OR DRIVEWAY SLOPE.
2. SHOULD A RETAINING WALL BE REQUIRED, THE TOP OF WALL ELEVATIONS SHALL BE SET 150mm ABOVE THE PROPOSED SIDE WALK SLOPES
3. RETAINING WALLS 0.6m IN HEIGHT OR GREATER REQUIRE CONSTRUCTION OF A FENCE OR GUARDRAIL TO THE TOP OF THE WALL. THE FENCE OR GUARDRAIL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF EXTERIOR GARAGES AS CONTAINED IN THE CITY OF SALT LAKE BUILDING DEPARTMENT ORDINANCES.
4. SLOPES OF SLOPE SHALL BE 80% BACK TO FRONT AND "SPILT" DRAINAGE SHALL BE NO LESS THAN 2.0% GRADE AND NO GREATER THAN 3.3% GRADE (3:1) SLOPES.
5. TOP OF FOUNDATION WALLS FOR BUILDINGS SHALL BE 150mm (MIN) ABOVE FINISHED GRADE
6. DRIVEWAY SLOPES SHALL NOT BE LESS THAN 2% AND NOT MORE THAN 7.0% SLOPED. SLOPED DRIVEWAYS IN NEW DEVELOPMENTS ARE NOT PERMITTED
7. ALL FILL PLACED ON LOTTS SHALL BE COMPACTED TO A MINIMUM 95% SPD (UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER). ALL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm LOTS.
8. FOR DELINEATION OF TREE PROTECTION ZONES, BUFFERS, REMOVALS AND PROTECTION SCHEMATICS ETC. THE SUBMITTER SHALL PROVIDE A TREE PROTECTION PLAN.
9. LOT GRADING FOR ALL LOTS IN THE SUBDIVISION SHALL CONFORM STRICTLY WITH THIS PLAN, ANY CHANGES, UNLESS APPROVED PRIOR TO CONSTRUCTION BY THE CITY. SHALL RESULT IN NON COMPLIANCE WITH THE SUBMITTER'S OBLIGATION TO THE CITY.
10. 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 DEVELOPER TO ALLOW THE DEVELOPER TO GRADE ON THE ADJACENT LANDS. OTHERWISE, RETAINING WALLS MUST BE USED
11. THE WRITTEN PERMISSION REQUIRED FROM THE ADJACENT LANDOWNER SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE GRADING WORK. THE WRITTEN PERMISSION SHALL BE DATED PRIOR TO COMMENCING THE WORK, THEN THE DEVELOPER SHALL LIMIT HIS ACTIVITIES TO THE LIMITS OF THE DEVELOPMENT.
12. DRIVEWAY AND DRIVEWAY APPROACHES SHALL BE LOCATED SUCH THAT HYDRO WALLS AND OTHER STREET FURNITURE ARE A MIN. OF 1.2m FROM THE PROJECTIONS OF THE OUTSIDE GARAGE WALLS

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF HAMILTON AND LANHACK CONSULTANTS INC. AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
2. THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITY AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHILE WORKING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL BENCHMARKS, ELEVATIONS, DIMENSIONS, AND GRADES MUST BE CHECKED BY THE CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.
4. ALL EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE IDENTIFIED, MARKED AND PROTECTED. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
5. AT LEAST TWO DIFFERENT BENCHMARKS MUST BE REFERENCED TO AT ALL TIMES.

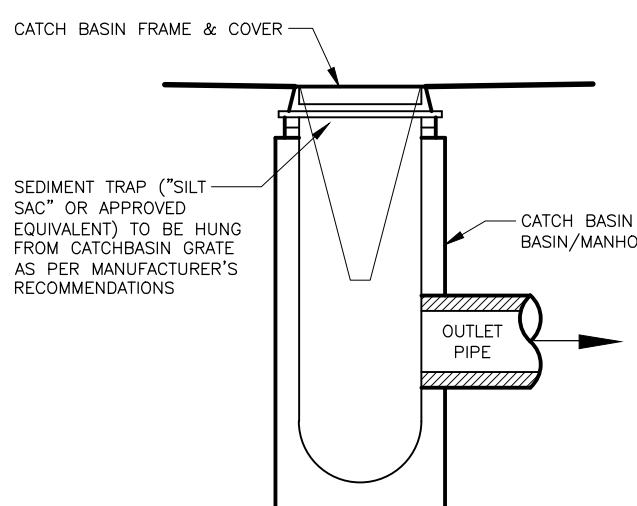


NOTE: All dimensions are in millimetres unless otherwise shown.			
ONTARIO PROVINCIAL STANDARD DRAWING		Nov 2015	Rev 2
HEAVY-DUTY SILT FENCE BARRIER			
		OPSD 219.130	

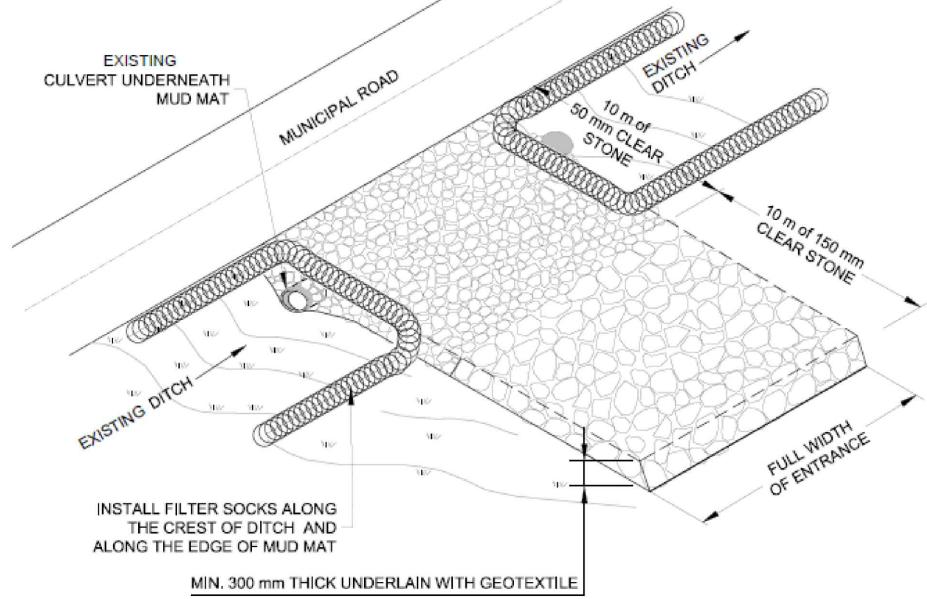
NOTE: a) CONTRACTOR TO INSTALL SILT SAC'S ON ALL EX. CB'S WHERE SHOWN. SILT SAC'S ON PROPOSED INFRASTRUCTURE TO BE INSTALLED IMMEDIATELY WITH INSTALLATION OF FRAME AND GRATE.

b) SILT SAC'S SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND EMPTIED FOLLOWING EVERY RAINFALL EVENT, IF REQ'D.

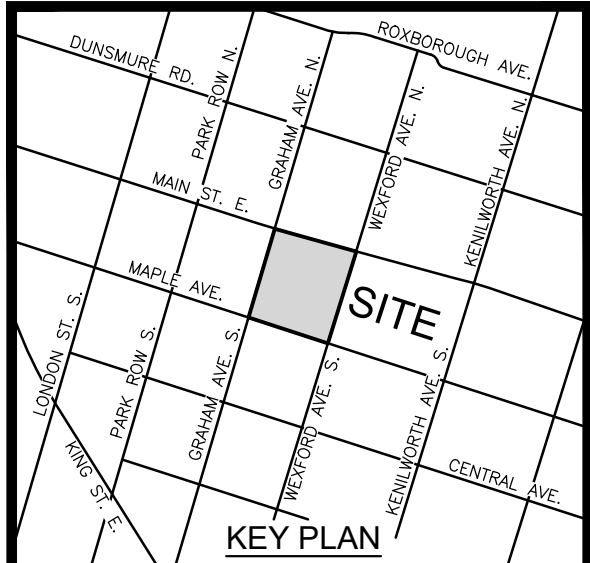
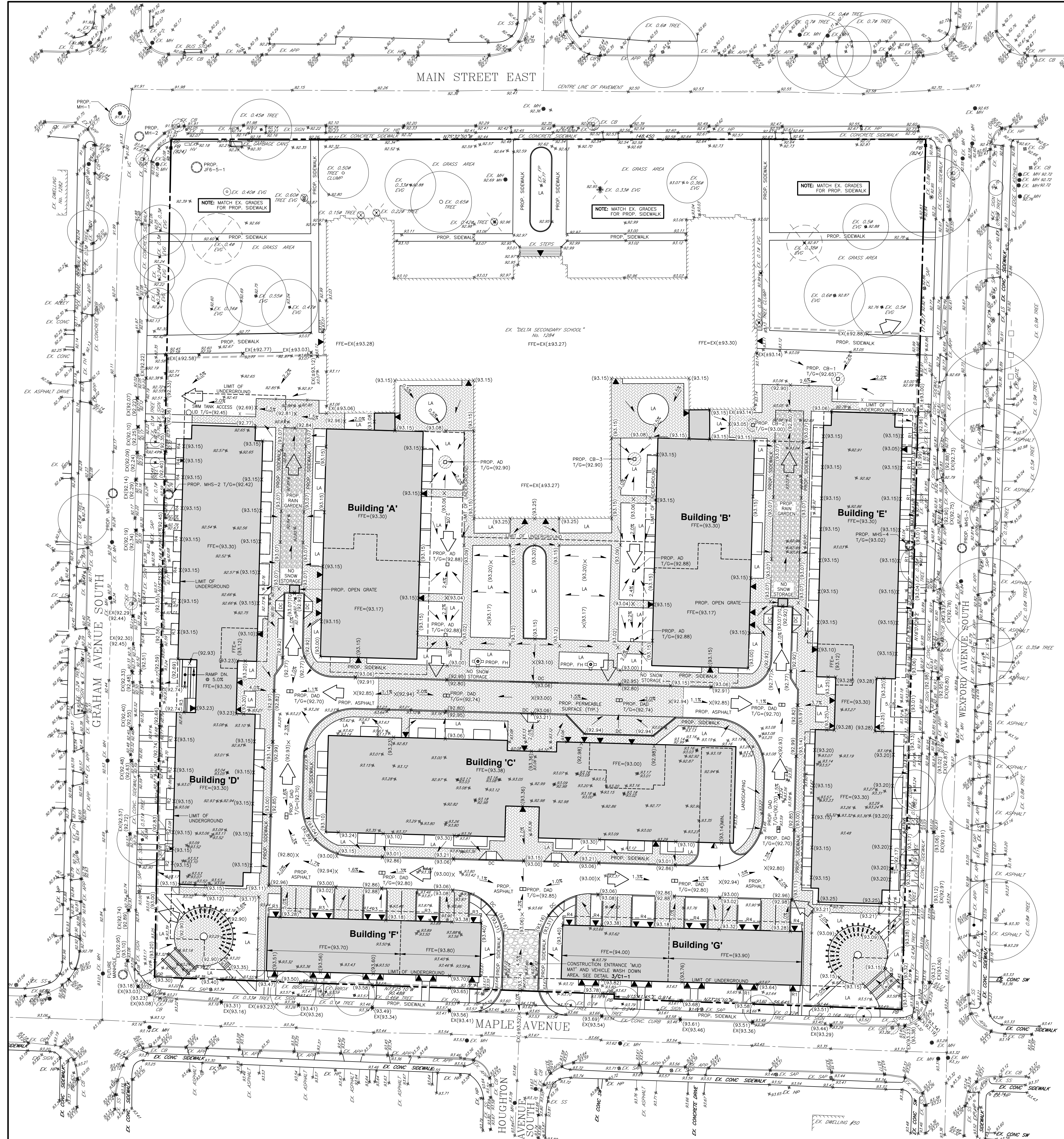
c) CONTRACTOR SHALL REMOVE SILT SAC'S FOLLOWING PLACEMENT OF BASE ASPHALT ONLY.



1. MUD MAT TO BE UNDERLAIN WITH A GEOTEXTILE CLOTH
2. SEDIMENT WILL BE CLEANED FROM PUBLIC RIGHT OF WAYS AS REQUIRED
3. STORM INLETS IN CLOSE VICINITY TO MUD MAT TO BE PROTECTED WITH EROSION CONTROL MEASURES



NOTE: THIS DETAIL REPRESENTS AN IDEAL SCENARIO. SITE CONDITIONS VARY AND EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE TAILORED FOR EACH SITE AND PROJECT.



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

© COPYRIGHT - LANHACK Consultants Inc.
All rights reserved.

SOURCE
EXISTING BOUNDARY SURVEY AND TOPOGRAPHICAL
INFORMATION OBTAINED FROM A.T. McLAREN LIMITED,
DWG. NO. 36933, DATED APRIL 12, 2022.

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

[illegible]



**NOT FOR
CONSTRUCTION**



LANHACK Consultants Inc.
Consulting Engineers
1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
Fax: (905) 336-8142

**Delta
Developments
Joint Venture**

1284 MAIN STREET WEST
HAMILTON, ON

Date:	SEPT. 2022
Drawn By:	GRW
Chkd By:	SMP
Scale:	1 : 400

Preliminary Grading, Erosion and Sediment Control Plan

Project No.: 22043	Drawing No.: C1-1	Rev.: A
Plot Date: 11/18/22 M:\2023\22043 - Dolly School 1284 Main St E NHDCA\CM\		

1 : 400