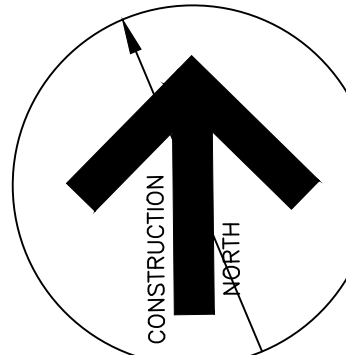


LEGEND

- XXXXXX EXISTING GRADE
- XXXXXX PROPOSED GRADE
- EX(XXXX)X PROPOSED GRADE - EXISTING GRADE
- (XXXX)X SW PROPOSED SWALE GRADE
- MAN DOOR ENTRANCE
- OVERHEAD DOOR ENTRANCE (TRUCK LOADING)
- PROPOSED SHEET FLOW DIRECTION
- DIRECTION OF OVERLAND DRAINAGE
- PROPOSED HEAVY DUTY SILT FENCE AS PER OPSD 219.130
- PROPOSED SILT SAC AS PER DETAIL 2/C1-1
- PROPOSED FIRE HYDRANT
- AD AREA DRAIN
- CB CATCH BASIN
- DB DOUBLE AREA DRAIN
- DC DROP CURB
- DD DRAINAGE DIVIDE
- EX EXISTING
- FC FLUSH CURB
- FH FIRE HYDRANT
- GW GUY WIRE
- HP HYDRO POLE
- MH MANHOLE
- TD TRENCH DRAIN
- RF NUMBER OF RISERS



GENERAL GRADING NOTES:

- GRADING ON ADJACENT LANDS NOT OWNED BY THE DEVELOPER: THE DEVELOPER IS REQUIRED TO OBTAIN PERMISSION TO CARRY OUT THE GRADING ON THE ADJACENT LANDS. IF SUCH PERMISSION TO GRADE ON THE LANDS ADJACENT TO THE SITE IS NOT OBTAINED BY THE DEVELOPER, OR IF PERMISSION IS WITHDRAWN PRIOR TO CARRYING OUT THE GRADING, THE DEVELOPER IS REQUIRED TO REVISE THE GRADING PLAN, AS REQUIRED, AND RESUBMIT THE PLAN TO THE CITY FOR APPROVAL.
- ANY CHANGES IN GRADES AND/OR CATCH BASINS, REQUIRES THE APPROVAL OF THE DIRECTOR DEVELOPMENT DIVISION, PLANNING AND DEVELOPMENT DEPARTMENT FOR THE CITY OF HAMILTON.
- 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 AS PER CITY STANDARDS.
- THE APPROVAL OF THIS GRADING PLAN DOES NOT EXEMPT THE OWNER'S BONDED CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS NORMALLY REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO THE FOLLOWING:
 - ROAD CUT PERMITS
 - APPROACH APPROVAL PERMITS
 - ROAD CUT PERMITS
 - APPROACH APPROVAL PERMITS
 - RELOCATION SERVICES
 - COMMITTEE OF ADJUSTMENT
 - ENGAGEMENT AGREEMENTS (IF REQUIRED)

BEFORE STARTING WORK

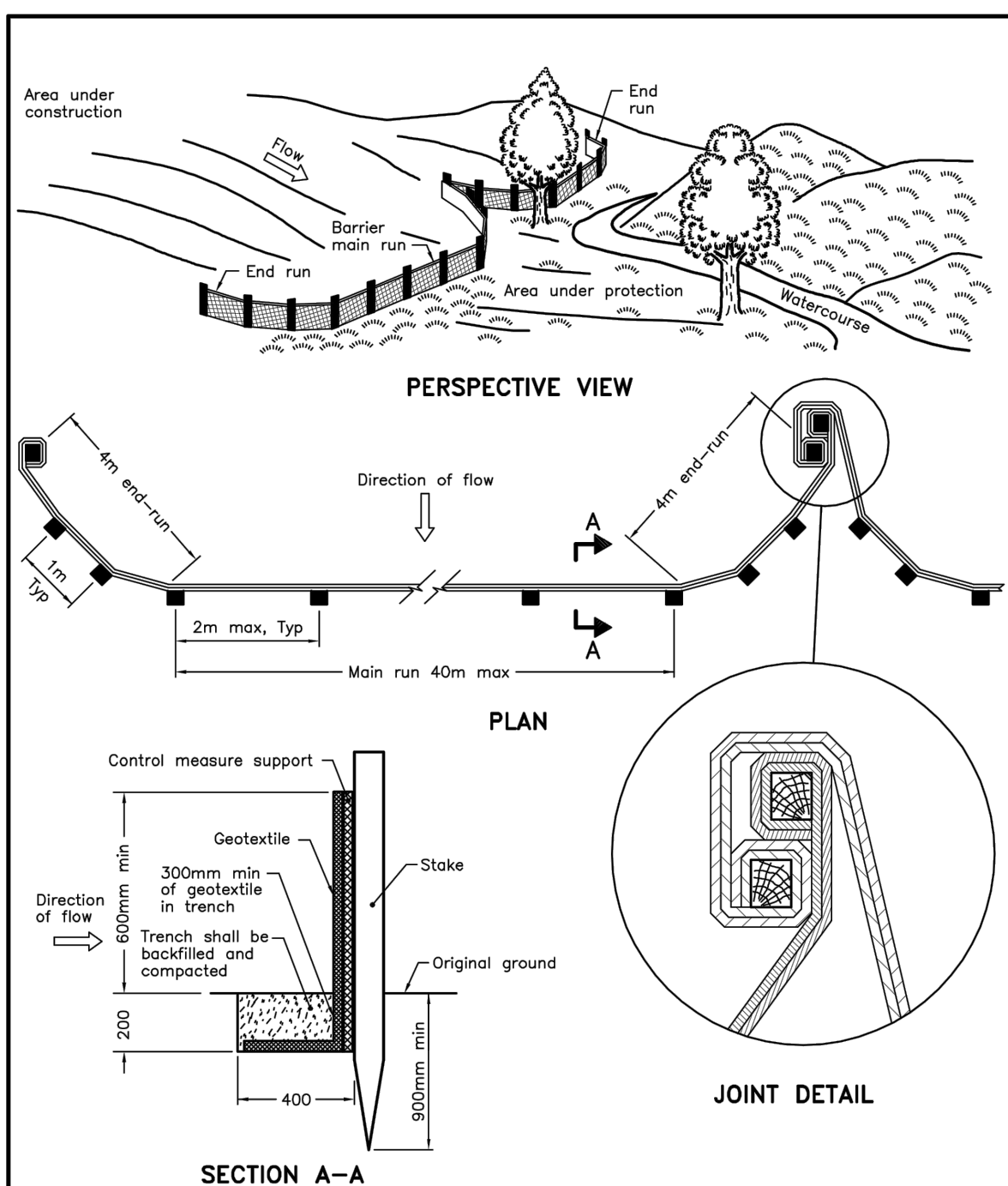
- THE CONTRACTOR SHALL NOTIFY THE CITY OF HAMILTON AND LANHACK CONSULTANTS INC. AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
- 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.
- ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED, 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.
- AT LEAST TWO DIFFERENT BENCHMARKS MUST BE REFERRED TO AT ALL TIMES.

SILTATION AND EROSION CONTROL

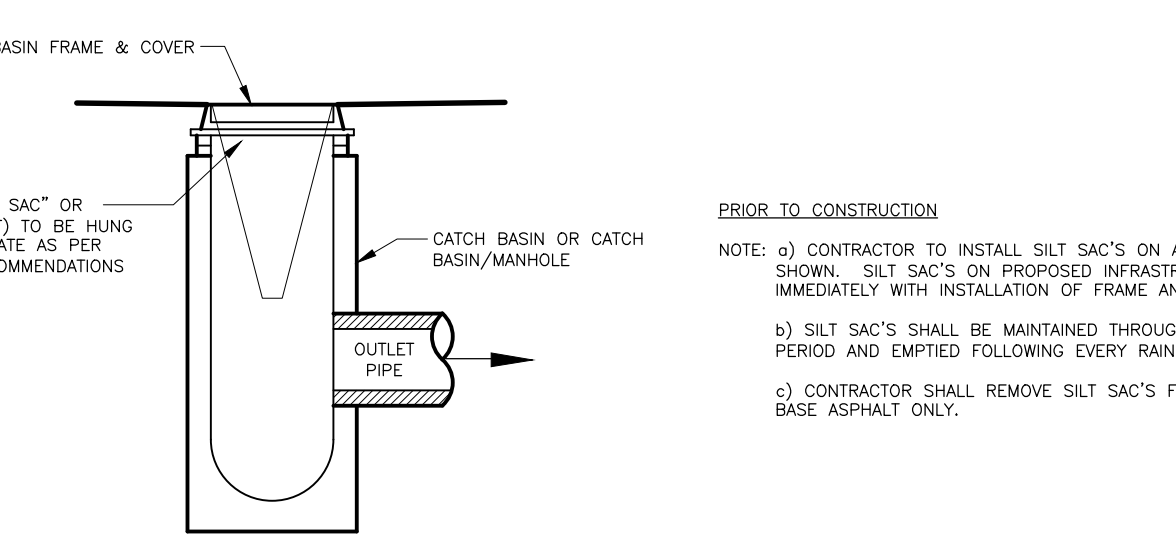
- SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
- ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE CITY OF HAMILTON.
- ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE CITY OF HAMILTON.

GENERAL EARTHWORKS NOTES:

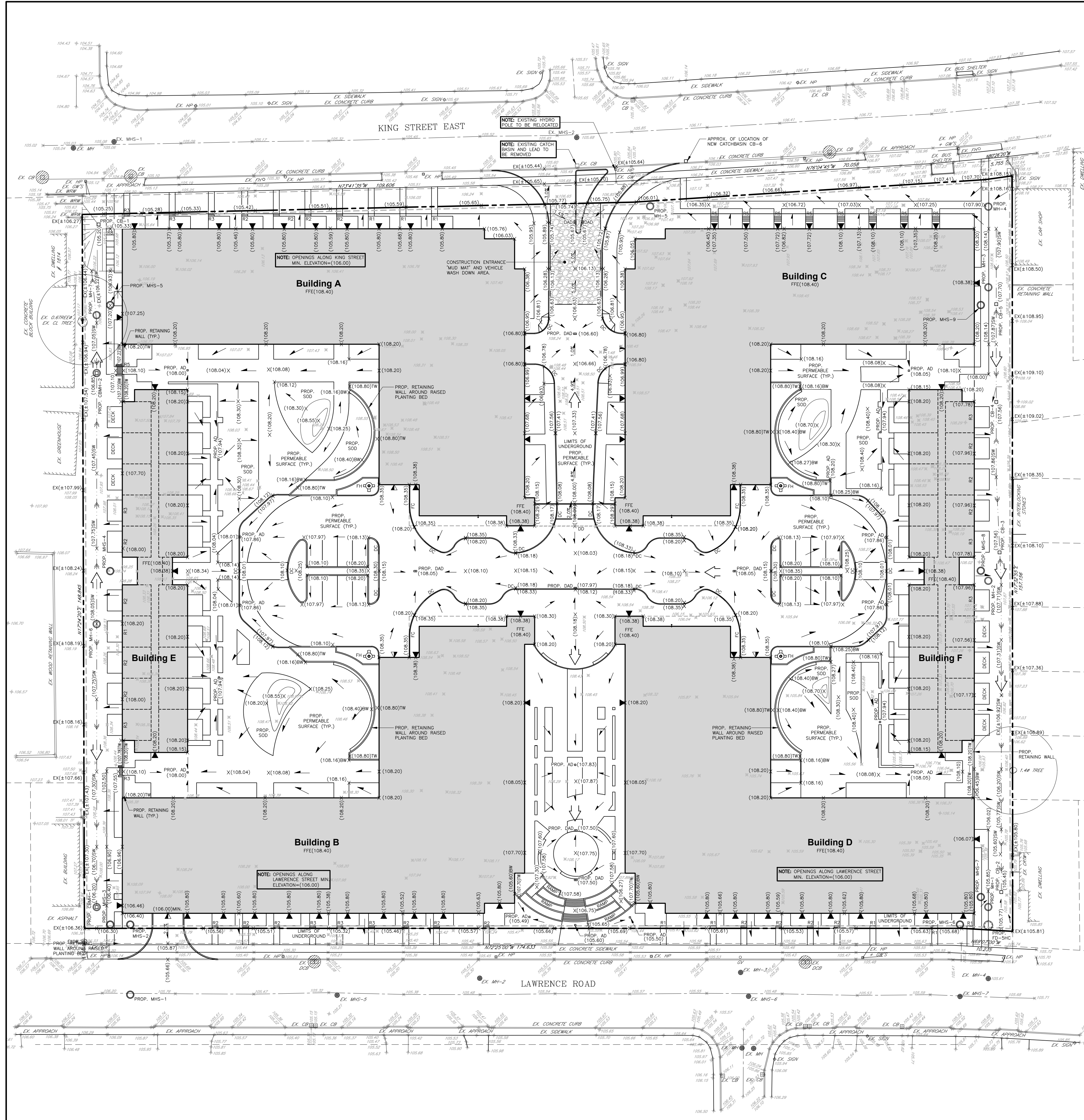
- THE SUB-GRADE SOILS EXPOSED AFTER EXCAVATION SHALL BE INSPECTED AND CERTIFIED BY A QUALIFIED REGISTERED PROFESSIONAL SOILS ENGINEER AND A COPY OF THE REPORT SHALL BE FORWARDED TO THE CITY OF HAMILTON BUILDING DIVISION, WHERE THE FOOTINGS SHALL BE SITUATED ON FILL MATERIAL. THE FOOTINGS SHALL BE DESIGNED AND APPROVED BY QUALIFIED REGISTERED PROFESSIONAL ENGINEER.
- ALL FILL PLACED ON THE SITE SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DRY DENSITY. A SUFFICIENT NUMBER OF TESTS SHALL BE TAKEN AT VARIOUS LEVELS SATISFACTORY TO THE DIRECTOR OF ENGINEERING. TEST RESULTS SHALL BE SENT TO THE CITY WITH A LETTER, SIGNED AND STAMPED BY THE SOILS ENGINEER, STATING THAT A SUFFICIENT NUMBER OF TESTS HAVE BEEN TAKEN AND THE MINIMUM DEGREE OF COMPACTION HAS BEEN REACHED.



ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2015 Rev 2
HEAVY-DUTY SILT FENCE BARRIER
 OPSD 219.130



2 C-1 Silt Sac Sediment Control Detail



1 C-1 Preliminary Grading Plan



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.

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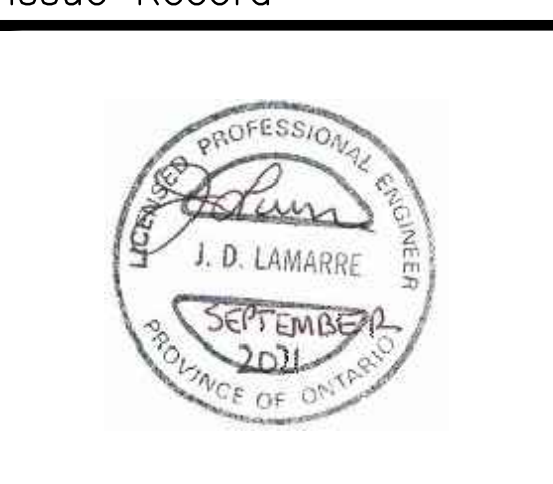
SOURCE: EXISTING BOUNDARY SURVEY AND TOPOGRAPHICAL INFORMATION OBTAINED FROM J.L. McLEAREN LTD., DWG NO. 28975, DATED AUGUST 20, 2020.

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

Revision Record

No.	Description	Date (m/d/y)
A	ISSUED AS PER CITY COMMENTS	09/30/21

Issue Record



NOT FOR CONSTRUCTION

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NHDGI Pulse Residential Development
 1842 KING STREET EAST
 HAMILTON, ON

Date: MARCH 2021
 Drawn By: GRW
 Chkd By: SMP
 Scale: AS NOTED

Preliminary Grading, Erosion and Sediment Control Plan

Project No.: 20064A Drawing No.: C1-1 Rev.: A

Plot Date: 09/30/21
 20064A-201 - Grading and Sediment Planning