LEGEND

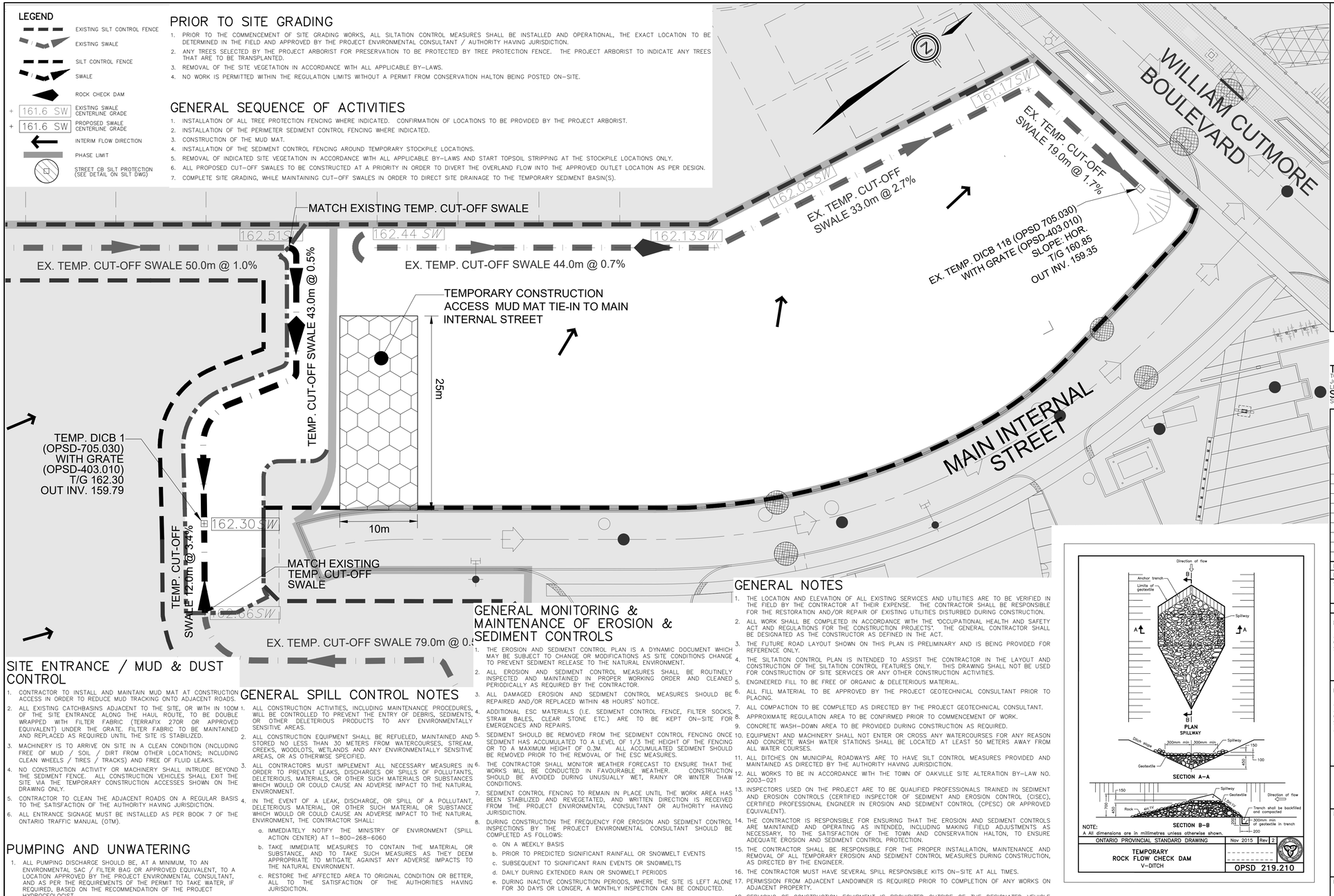
- EXISTING SILT CONTROL FENCE
- EXISTING SWALE
- SILT CONTROL FENCE
- SWALE
- ROCK CHECK DAM
- + 161.6 SW — EXISTING SWALE CENTERLINE GRADE
- + 161.6 SW — PROPOSED SWALE CENTERLINE GRADE
- INTERIM FLOW DIRECTION
- PHASE LIMIT
- STREET CB SILT PROTECTION (SEE DETAIL ON SILT DWG)

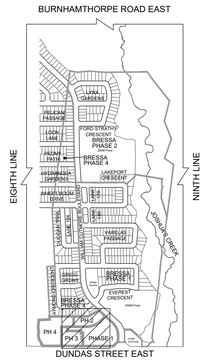
PRIOR TO SITE GRADING

1. PRIOR TO THE COMMENCEMENT OF SITE GRADING WORKS, ALL SILTATION CONTROL MEASURES SHALL BE INSTALLED AND OPERATIONAL. THE EXACT LOCATION TO BE DETERMINED IN THE FIELD AND APPROVED BY THE PROJECT ENVIRONMENTAL CONSULTANT / AUTHORITY HAVING JURISDICTION.
2. ANY TREES SELECTED BY THE PROJECT ARBORIST FOR PRESERVATION TO BE PROTECTED BY TREE PROTECTION FENCE. THE PROJECT ARBORIST TO INDICATE ANY TREES THAT ARE TO BE TRANSPLANTED.
3. REMOVAL OF THE SITE VEGETATION IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
4. NO WORK IS PERMITTED WITHIN THE REGULATION LIMITS WITHOUT A PERMIT FROM CONSERVATION HALTON BEING POSTED ON-SITE.

GENERAL SEQUENCE OF ACTIVITIES

1. INSTALLATION OF ALL TREE PROTECTION FENCING WHERE INDICATED. CONFIRMATION OF LOCATIONS TO BE PROVIDED BY THE PROJECT ARBORIST.
2. INSTALLATION OF THE PERIMETER SEDIMENT CONTROL FENCING WHERE INDICATED.
3. CONSTRUCTION OF THE MUD MAT.
4. INSTALLATION OF THE SEDIMENT CONTROL FENCING AROUND TEMPORARY STOCKPILE LOCATIONS.
5. REMOVAL OF INDICATED SITE VEGETATION IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS AND START TOPSOIL STRIPPING AT THE STOCKPILE LOCATIONS ONLY.
6. ALL PROPOSED CUT-OFF SWALES TO BE CONSTRUCTED AT A PRIORITY IN ORDER TO DIVERT THE OVERLAND FLOW INTO THE APPROVED OUTLET LOCATION AS PER DESIGN.
7. COMPLETE SITE GRADING, WHILE MAINTAINING CUT-OFF SWALES IN ORDER TO DIRECT SITE DRAINAGE TO THE TEMPORARY SEDIMENT BASIN(S).





Key Plan
Scale: 1:10,000

SITE ENTRANCE / MUD & DUST CONTROL

1. CONTRACTOR TO INSTALL AND MAINTAIN MUD MAT AT CONSTRUCTION ACCESS IN ORDER TO REDUCE MUD TRACKING ONTO ADJACENT ROADS.
2. ALL EXISTING CATCHBASINS ADJACENT TO THE SITE, OR WITH IN 100M OF THE SITE ENTRANCE ALONG THE HAUL ROUTE, TO BE DOUBLE WRAPPED WITH FILTER FABRIC (TERRAFIX 270R OR APPROVED EQUIVALENT) UNDER THE GRATE. FILTER FABRIC TO BE MAINTAINED AND REPLACED AS REQUIRED UNTIL THE SITE IS STABILIZED.
3. MACHINERY IS TO ARRIVE ON SITE IN A CLEAN CONDITION (INCLUDING FREE OF MUD / SOIL / DIRT FROM OTHER LOCATIONS; INCLUDING CLEAN WHEELS / TIRES / TRACKS) AND FREE OF FLUID LEAKS.
4. NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL INTRUDE BEYOND THE SEDIMENT FENCE. ALL CONSTRUCTION VEHICLES SHALL EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ACCESSES SHOWN ON THE DRAWING ONLY.
5. CONTRACTOR TO CLEAN THE ADJACENT ROADS ON A REGULAR BASIS TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.
6. ALL ENTRANCE SIGNAGE MUST BE INSTALLED AS PER BOOK 7 OF THE ONTARIO TRAFFIC MANUAL (OTM).

PUMPING AND UNWATERING

1. ALL PUMPING DISCHARGE SHOULD BE, AT A MINIMUM, TO AN ENVIRONMENTAL SAC / FILTER BAG OR APPROVED EQUIVALENT, TO A LOCATION APPROVED BY THE PROJECT ENVIRONMENTAL CONSULTANT, AND AS PER THE REQUIREMENTS OF THE PERMIT TO TAKE WATER, IF REQUIRED, BASED ON THE RECOMMENDATION OF THE PROJECT HYDROGEOLOGIST.

GENERAL SPILL CONTROL NOTES

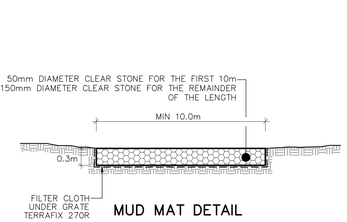
1. ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF DEBRIS, SEDIMENTS, OR OTHER DELETERIOUS PRODUCTS TO ANY ENVIRONMENTALLY SENSITIVE AREAS.
2. ALL CONSTRUCTION EQUIPMENT SHALL BE REFUELED, MAINTAINED AND STORED NO LESS THAN 30 METERS FROM WATERCOURSES, STREAM, CREEKS, WOODLOTS, WETLANDS AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.
3. ALL CONTRACTORS MUST IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS, MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT.
4. IN THE EVENT OF A LEAK, DISCHARGE, OR SPILL OF A POLLUTANT, DELETERIOUS MATERIAL, OR OTHER SUCH MATERIAL OR SUBSTANCE, WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT, THE CONTRACTOR SHALL:
   a. IMMEDIATELY NOTIFY THE MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060
   b. TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO MITIGATE AGAINST ANY ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT.
   c. RESTORE THE AFFECTED AREA TO ORIGINAL CONDITION OR BETTER, ALL TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.

GENERAL MONITORING & MAINTENANCE OF EROSION & SEDIMENT CONTROLS

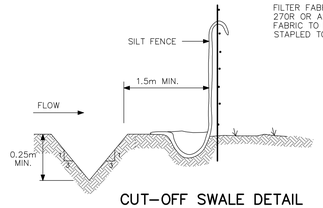
1. THE EROSION AND SEDIMENT CONTROL PLAN IS A DYNAMIC DOCUMENT WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASE TO THE NATURAL ENVIRONMENT.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER AND CLEANED PERIODICALLY AS REQUIRED BY THE CONTRACTOR.
3. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS' NOTICE.
4. ADDITIONAL ESC MATERIALS (I.E. SEDIMENT CONTROL FENCE, FILTER SOCKS, STRAW BALES, CLEAR STONE ETC.) ARE TO BE KEPT ON-SITE FOR EMERGENCIES AND REPAIRS.
5. SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT CONTROL FENCING ONCE SEDIMENT HAS ACCUMULATED TO A LEVEL OF 1/3 THE HEIGHT OF THE FENCING OR TO A MAXIMUM HEIGHT OF 0.3M. ALL ACCUMULATED SEDIMENT SHOULD BE REMOVED PRIOR TO THE REMOVAL OF THE ESC MEASURES.
6. THE CONTRACTOR SHALL MONITOR WEATHER FORECAST TO ENSURE THAT THE WORKS WILL BE CONDUCTED IN FAVOURABLE WEATHER. CONSTRUCTION SHOULD BE AVOIDED DURING UNUSUALLY WET, RAINY OR WINTER THAW CONDITIONS.
7. SEDIMENT CONTROL FENCING TO REMAIN IN PLACE UNTIL THE WORK AREA HAS BEEN STABILIZED AND REVEGETATED, AND WRITTEN DIRECTION IS RECEIVED FROM THE PROJECT ENVIRONMENTAL CONSULTANT OR AUTHORITY HAVING JURISDICTION.
8. DURING CONSTRUCTION THE FREQUENCY FOR EROSION AND SEDIMENT CONTROL INSPECTIONS BY THE PROJECT ENVIRONMENTAL CONSULTANT SHOULD BE COMPLETED AS FOLLOWS:
   a. ON A WEEKLY BASIS
   b. PRIOR TO PREDICTED SIGNIFICANT RAINFALL OR SNOWMELT EVENTS
   c. SUBSEQUENT TO SIGNIFICANT RAIN EVENTS OR SNOWMELTS
   d. DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS
   e. DURING INACTIVE CONSTRUCTION PERIODS, WHERE THE SITE IS LEFT ALONE FOR 30 DAYS OR LONGER, A MONTHLY INSPECTION CAN BE CONDUCTED.

GENERAL NOTES

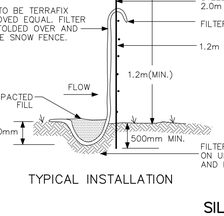
1. THE LOCATION AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR AT THEIR EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION AND/OR REPAIR OF EXISTING UTILITIES DISTURBED DURING CONSTRUCTION.
2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR THE CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DESIGNATED AS THE CONSTRUCTOR AS DEFINED IN THE ACT.
3. THE FUTURE ROAD LAYOUT SHOWN ON THIS PLAN IS PRELIMINARY AND IS BEING PROVIDED FOR REFERENCE ONLY.
4. THE SILTATION CONTROL PLAN IS INTENDED TO ASSIST THE CONTRACTOR IN THE LAYOUT AND CONSTRUCTION OF THE SILTATION CONTROL FEATURES ONLY. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OF SITE SERVICES OR ANY OTHER CONSTRUCTION ACTIVITIES.
5. ENGINEERED FILL TO BE FREE OF ORGANIC & DELETERIOUS MATERIAL.
6. ALL FILL MATERIAL TO BE APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT PRIOR TO PLACING.
7. ALL COMPACTION TO BE COMPLETED AS DIRECTED BY THE PROJECT GEOTECHNICAL CONSULTANT.
8. APPROXIMATE REGULATION AREA TO BE CONFIRMED PRIOR TO COMMENCEMENT OF WORK.
9. CONCRETE WASH-DOWN AREA TO BE PROVIDED DURING CONSTRUCTION AS REQUIRED.
10. EQUIPMENT AND MACHINERY SHALL NOT ENTER OR CROSS ANY WATERCOURSES FOR ANY REASON AND CONCRETE WASH WATER STATIONS SHALL BE LOCATED AT LEAST 50 METERS AWAY FROM ALL WATER COURSES.
11. ALL DITCHES ON MUNICIPAL ROADWAYS ARE TO HAVE SILT CONTROL MEASURES PROVIDED AND MAINTAINED AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL WORKS TO BE IN ACCORDANCE WITH THE TOWN OF OAKVILLE SITE ALTERATION BY-LAW NO. 2003-021
13. INSPECTORS USED ON THE PROJECT ARE TO BE QUALIFIED PROFESSIONALS TRAINED IN SEDIMENT AND EROSION CONTROLS (CERTIFIED INSPECTOR OF SEDIMENT AND EROSION CONTROL (CISEC), CERTIFIED PROFESSIONAL ENGINEER IN EROSION AND SEDIMENT CONTROL (CPESC) OR APPROVED EQUIVALENT).
14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE EROSION AND SEDIMENT CONTROLS ARE MAINTAINED AND OPERATING AS INTENDED, INCLUDING MAKING FIELD ADJUSTMENTS AS NECESSARY, TO THE SATISFACTION OF THE TOWN AND CONSERVATION HALTON, TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL PROTECTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, AS DIRECTED BY THE ENGINEER.
16. THE CONTRACTOR MUST HAVE SEVERAL SPILL RESPONSIBLE KITS ON-SITE AT ALL TIMES.
17. PERMISSION FROM ADJACENT LANDOWNER IS REQUIRED PRIOR TO COMPLETION OF ANY WORKS ON ADJACENT PROPERTY.
18. SERVICING OF CONSTRUCTION EQUIPMENT IS PROHIBITED OUTSIDE OF THE DESIGNATED VEHICLE SERVICING AREA ON THE DRAWINGS.
19. ANY PROPOSED CLEAN WATER SWALES MUST BE STABILIZED AS PER THE DRAWING BEFORE USE.



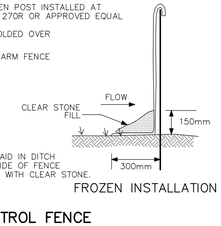
MUD MAT DETAIL
SCALE N.T.S.



CUT-OFF SWALE DETAIL
SCALE N.T.S.

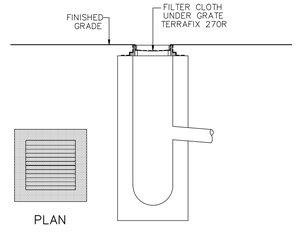


TYPICAL INSTALLATION

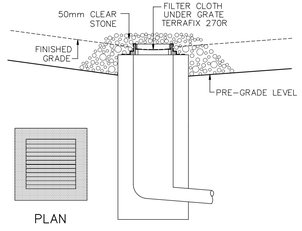


FROZEN INSTALLATION

SILT CONTROL FENCE
(MODIFIED OPSD 219.130)
SCALE: N.T.S



DETAIL FOR STREET CB SILT PROTECTION
SCALE: NTS



DETAIL FOR RLCB/DICB SILT PROTECTION
SCALE: NTS

TOPOGRAPHIC INFORMATION

TOPOGRAPHIC INFORMATION PROVIDED BY R-PE SURVEYING LTD., JOB No. 19-019, TOPOGRAPHIC SURVEY, DATED NOVEMBER 27, 2021
LIDAR CONTOUR RECEIVED ON MAY 05, 2008.

SITE PLAN INFORMATION

SITE PLAN PROVIDED BY KNYMH INC., JOB No. 22404, DATED DECEMBER 20, 2023.

BENCHMARK NOTE

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MINISTRY OF TRANSPORTATION ONTARIO FIRST-ORDER VERTICAL BENCH MARK NUMBER 0081818114 HAVING AN ORTHOMETRIC ELEVATION OF 188.594 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978).
STEEL ROD WITH BRASS CAP BENCH MARK ON NORTH SIDE OF BURNHAMTHORPE RD, 138.7 M EAST OF THE JCT OF BURNHAMTHORPE RD AND SIXTH LINE RD IN OAKVILLE, AND 9.2 M NORTH OF CENTRELINE OF BURNHAMTHORPE RD. BENCH MARK IS SET 11 M SOUTH OF NORTH RIGHT-OF-WAY FENCE OF BURNHAMTHORPE RD AND IS MARKED BY A STEEL MARKER 46 CM EAST OF BENCH MARK.

No.	DATE	BY	
4.	25-03-25	D.P.	ISSUED FOR CONSTRUCTION
3.	23-12-07	D.P.	3rd SUBMISSION
2.	23-08-31	D.P.	2nd SUBMISSION
1.	23-05-17	D.P.	1st SUBMISSION

DESIGNED BY:	T.H.	CHECKED BY:	D.P.	DATE: APRIL 2023
DRAWN BY:	T.H.	CHECKED BY:	D.P.	
SCALE HORIZ. 1:250	0 2.5 5.0 7.5 10.0			REFERENCES

APPROVALS

MUNICIPAL APPROVAL

APPROVED IN PRINCIPLE SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN OF OAKVILLE STANDARDS AND SPECIFICATIONS

MANAGER OF DEVELOPMENT SERVICES — DATE

REGIONAL APPROVAL

APPROVED DESIGN OF SANITARY, WATER SERVICES AND REGIONAL ROAD WORKS SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATIONAL APPROVAL FROM AREA MUNICIPALITY

LEGISLATIVE AND PLANNING SERVICES — DATE

FIELD NOTES

BELL ☐ HYDRO ☐ GAS ☐ CABLE ☐ TRAFFIC ☐ WATER ☐

STAMP: LICENSED PROFESSIONAL ENGINEER D.M.PRIDDLE 100216848 15-05-23 PROVINCE OF ONTARIO

DSEL
600 Alden Road, Suite 606
Markham, Ontario, L3R 0E7
Tel. (905) 475-3080
Fax. (905) 475-3081
www.DSEL.ca

MUNICIPALITY: OAKVILLE DEVELOPMENT SERVICES

REGION: The Regional Municipality of Halton

DEVELOPER: BRESSA DEVELOPMENTS LTD.

DEVELOPMENT MANAGER: mattamy HOMES

PROJECT: BRESSA DUC PHASE 2
3006 WILLIAM CUTMORE BOULEVARD & 1415 DUNDAS STREET EAST

TITLE: SILTATION CONTROL PLAN

© DSEL

MUNICIPAL FILE NO. SP-1305.002/01
REGIONAL FILE NO. DO-XXXX
PROJECT NO. 23-1342
SHEET SILT-1 OF SILT-2