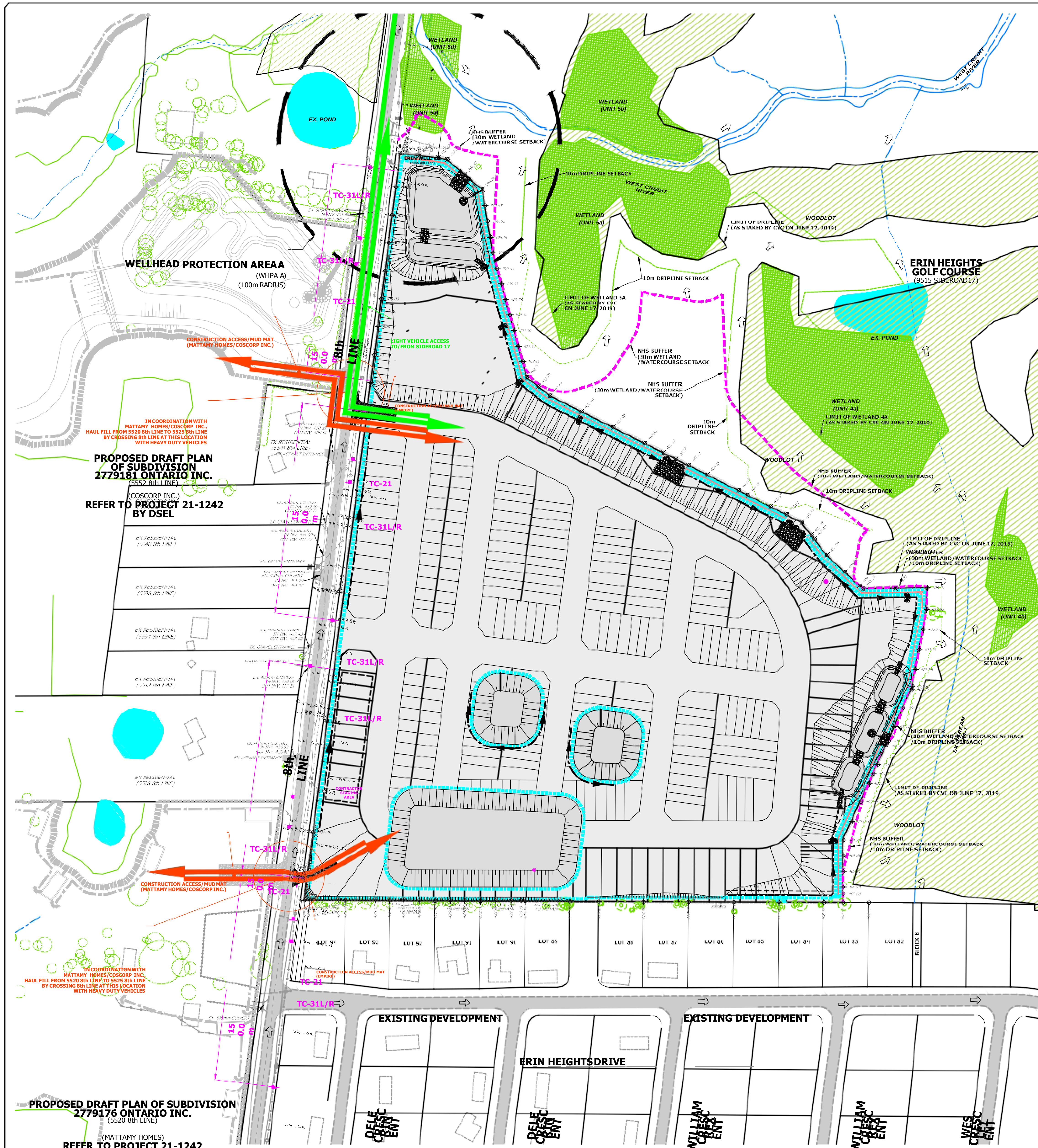
Appendix B



GENERAL ESC NOTES:

- THE LOCATION OF EXISTING UTILITIES AND SERVICES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHALL BE VERIFIED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION.
- ALL DISTURBED AREAS WITHIN EXISTING RIGHT-OF-WAYS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF TOWN OF ERIN.

THE FOLLOWING GENERAL EROSION AND SEDIMENT CONTROL PRACTICES ARE RECOMMENDED:

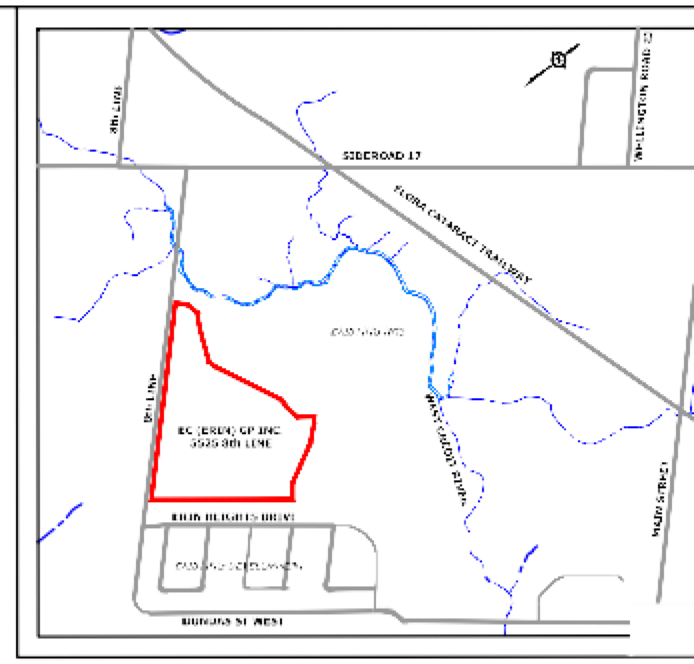
- CONSTRUCTION ACTIVITIES SHOULD BE SCHEDULED AND/OR PLANNED TO LIMIT AREAS OF SOIL EXPOSED AT ANY GIVEN TIME,
- EXPOSED FILL/STOCKPILES THAT MAY BE A SOURCE OF FUGITIVE DUST SHOULD BE COVERED WITH TARPAULINS OR OTHER APPROPRIATE MEANS, WHERE PRACTICAL.
- FILTER RUNOFF FROM MATERIAL STOCKPILES OR SITE DE WATERING THROUGH AN APPROPRIATE DEVICE (TEMPORARY SETTLING FACILITY, FILTER BAG, ETC.) BEFORE RELEASE.
- CAPTURE AND ADEQUATELY FILTER DRAINAGE FROM ANY UNSTABILIZED SURFACE PRIOR TO DISCHARGE TO NATURAL AREAS, INCLUDING RECEIVING DRAINAGE FEATURES.
- RECOMMEND APPLYING WATER DAILY TO CONTROL DUST AND WIND EROSION DURING DRY PERIODS OF WEATHER.

ESC SITE INSPECTION NOTES:

1. THE APPLICANT IS REQUIRED TO SCHEDULE AN INITIAL INSPECTION BY TOWN STAFF TO ENSURE THAT THE EROSION AND AND SEDIMENT CONTROL MEASURES ARE PROPERLY INSTALLED AT THE ONSET OF THE PROJECT. THE PROPONENT IS RESPONSIBLE FOR ENSURING THAT EROSION AND SEDIMENT CONTROLS AND DRAINAGE FEATURES/INFRASTRUCTURE ARE WELL MAINTAINED AND FUNCTIONING AS INTENDED ON A DAILY BASIS. DOCUMENTATION OF ALL INSPECTION SHOULD BE WRITTEN IN INK, RECORDED IN A LOGBOOK/DIARY AND KEPT ON SITE DURING THE COURSE OF CONSTRUCTION.
2. THE FREQUENCY OF INSPECTIONS SHOULD BE:
   ON A WEEKLY BASIS,
   PRIOR TO PREDICTED RAINFALL EVENTS,
   AFTER EVERY RAINFALL EVENT,
   AFTER SIGNIFICANT SNOWMELT EVENTS, AND
   DAILY DURING EXTENDED RAIN OR SNOWMELT PERIOD
3. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION. ESC MEASURES MUST ALSO BE MODIFIED AS SITE CONDITIONS WARRANT. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (i.e. SILT FENCE, STRAW BALES, CLEAR STONE, etc.) ARE TO BE KEPT ON SITE FOR EMERGENCY REPAIRS.
4. SEDIMENT COLLECTED IN THE TEMPORARY SEDIMENT PONDS AND TRAPS SHALL BE REMOVED WHEN IT REACHES 50% OF THE TOTAL CAPACITY.
5. THE CONTRACTOR SHALL ENDEAVOUR TO PREVENT MUD TRACKING ONTO EXISTING ROADS AND SHALL CLEAN ROD TIMELY AT HIS/HER OWN EXPENSE AS DIRECTED BY THE TOWN.
6. REFER TO CREDIT VALLEY CONSERVATION NOTES FOR ADDITIONAL INFORMATION.

CREDIT VALLEY CONSERVATION NOTES:

1. BE ADVISED THAT THE CREDIT VALLEY CONSERVATION AUTHORITY MAY, AT ANY TIME, WITHDRAW THIS PERMISSION, IF, IN THE OPINION OF THE AUTHORITY, THE CONDITIONS OF THE PERMIT ARE NOT BEING COMPLIED WITH. THIS APPROVAL DOES NOT EXEMPT THE PROPERTY OWNER/APPLICANT/AGENT FROM THE PROVISIONS OF ANY OTHER FEDERAL, PROVINCIAL OR MUNICIPAL STATUTES, REGULATIONS OR BY LAWS, OR ANY RIGHTS UNDER COMMON LAW.
2. FOLLOWING INSTALLATION OF THE PROPOSED ESC MEASURES, A QUALIFIED AGENT OF THE PROPONENT, PREFERABLY AN ENVIRONMENTAL MONITOR, WILL CONDUCT REGULAR SITE VISITS TO MONITOR ALL WORKS, PARTICULARLY THE CONDITION OF THE ESC MEASURES, DEWATERING, AND IN- OR NEAR-WATER WORKS. SHOULD CONCERNS ARISE; THE ENVIRONMENTAL MONITOR WILL CONTACT THE PROPONENT, CVC, AND ANY OTHER APPROPRIATE PARTIES.
3. ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF DEBRIS, SEDIMENTS, OR OTHER DELETERIOUS PRODUCTS TO THE WATERCOURSE OR WETLAND. EQUIPMENT MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE DEVELOPMENT LIMIT.
4. SEDIMENT LADEN RUNOFF FROM DISTURBED AREAS TO THE WATERCOURSE OR NATURAL FEATURE IS NOT ALLOWED. ALL DEWATERING SHALL BE TREATED AND THEN RELEASED TO A WATERCOURSE OR WETLAND. DISCHARGE IS TO BE RELEASED TO AN UNDISTURBED NATURAL AREA. THESE CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED OR REVISED TO ENSURE WATER QUALITY TARGETS ARE BEING ACHIEVED.
5. PLEASE REFER TO ESC GUIDELINE FOR URBAN CONSTRUCTION (DECEMBER 2006) FOR THE DESIGN AND DESIGN ALTERATION OF ESC MEASURES.
6. ESC MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATERCOURSE/NATURAL AREAS. ESC MEASURES ARE TO BE EVALUATED ON A WEEKLY BASIS AND AFTER ANY STORM EVENT. ANY REPAIRS REQUIRED ARE TO BE RECTIFIED IMMEDIATELY.
7. THE EROSION AND SEDIMENT CONTROL (ESC) PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL.
8. ADDITIONAL ESC MATERIALS (I.E. SILT FENCE, FILTER SOCKS, STRAW BALES, CLEAR STONES, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
9. THE PROJECT PROPONENT OR THEIR REPRESENTATIVE IS ULTIMATELY RESPONSIBLE FOR CONTROLLING SEDIMENT AND EROSION WITHIN THE CONSTRUCTION SITE FOR THE TOTAL PERIOD OF THE CONSTRUCTION.
10. DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES. ALL DISTURBED GROUND LEFT INACTIVE FOR MORE THAN 30 DAYS SHALL BE STABILIZED USING APPROPRIATE EROSION CONTROL MEASURES AND AN APPROPRIATE NATIVE NON-INVASIVE SEED MIX OR WITH THE FINAL APPROVED RESTORATION PLAN.
11. ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1 800 268 6060.
12. IF EXCESSIVE SILTATION RESULTS FROM THE CONSTRUCTION ACTIVITIES, THE ONSITE SUPERVISOR/INSPECTOR AND/OR CVC RESERVE THE RIGHT TO REQUEST ADDITIONAL ESC MEASURES WHICH WOULD BE INSTALLED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES.
13. THE CONTRACTOR SHALL MONITOR WEATHER FORECASTS TO ENSURE THAT THE WORKS WILL BE CONDUCTED IN FAVOURABLE WEATHER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL CONSTRUCTION EQUIPMENT AND MATERIALS THAT WOULD HAVE POTENTIAL TO CAUSE A SPILL OR OBSTRUCTION (I.E. FUEL TANKS, PORTABLE TOILETS, MACHINERY, ETC.), FROM THE 100 YEAR FLOODPLAIN IN THE CASE OF A LARGE STORM EVENT, OR SITE SPECIFIC STORM EVENT
14. AN AFTER-HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE NAME AND CONTACT INFO OF THE PERSON RESPONSIBLE FOR ESC MEASURES.



KEY PLAN
N.T.S.

LEGEND

EXISTING STORM SEWER AND MANHOLE	
EXISTING SANITARY SEWER AND MANHOLE	
EXISTING WATERMAIN	
EXISTING CONTOUR AND ELEVATION	
184.61 PROPOSED ELEVATION	
EXISTING ELEVATION	
188.34TW EXISTING TOP OF WALL ELEVATION	
188.12BW EXISTING BOTTOM OF WALL ELEVATION	
EXISTING OVERLAND FLOW DIRECTION	
EXISTING SURFACE DRAINAGE AREA BOUNDARY	
2.33ha ESC CONTRIBUTING DRAINAGE AREA (HECTARES)	
SINGLE HEAVY DUTY, WIRE BACKED SILT FENCE BARRIER (OPSD 219.131, REFER TO DETAIL, DWG. 1007)	
DOUBLE HEAVY DUTY, WIRE BACKED SILT FENCE BARRIER (OPSD 219.131) WITH STRAW BALES IN BETWEEN (OPSD 219.100) (REFER TO DETAIL, DWG. 1007)	
PROPOSED CONSTRUCTION ACCESS (TOESD 120, REFER TO DETAIL, DWG. 1007)	
CUT OFF SWALE (REFER TO DETAIL, DWG. 1007)	
ROCK CHECK DAM (REFER TO DETAIL, DWG. 1007)	
EXISTING WETLANDS	EXISTING WOODLAND
EXISTING POND	NHS BUFFER
LIMIT OF PROPERTY	
LIMIT OF SITE DISTURBANCE	
EX. VEGETATION TO BE PRESERVED (REFER TO ARBORIST REPORT & TREE PRESERVATION PLAN FOR DETAILS)	

BENCHMARK

TABLET SET HORIZONTALLY IN THE NORTH FACE OF THE CONCRETE FOUNDATION OF A GREY BUILDING (GREENING DONALD CO. LTD.) ON THE EAST SIDE OF HWY. 24, 1.55 KM NORTH OF THE POST OFFICE AT ERIN, 0.30 KM SOUTH OF WELLINGTON CTY. RD. 23 AND 109.5 M EAST OF THE CENTERLINE OF HWY 24. 1.52 m WEST OF N.E. CORNER OF SAID BUILDING, 7 CM BELOW CONCRETE SIDING AND 7 CM ABOVE GROUND LEVEL.
ELEVATION 394.056m
ID 00819798463

No.	REVISION	DATE	BY
6			
5			
4			
3			
2			
1			

TOWN OF ERIN

COUNTY OF WELLINGTON
TOWN OF ERIN

COUNTY FILE:

LICENSED PROFESSIONAL ENGINEER
O.J. SOMERVILLE
100120186
JUNE 13, 2024
PROVINCE OF ONTARIO

Town of Erin APPROVED AS NOTED

This approval constitutes a general review and does not certify dimensional accuracy.

This approval is subject to further certification of the "as recorded" works by a Professional Engineer of the Province of Ontario.

Date:
Approved:
Print Name:
By:

URBANTECH®

Urbantech® Consulting

PROJECT: 21 684

TOWN FILE:

EC (ERIN) GP INC. (EMPIRE)
5525 8th LINE

SITE ALTERATION - STAGE 1B
CONSTRUCTION MANAGEMENT PLAN

SURVEYED BY:	R PE	DATE:	APRIL 26, 2021	CONTRACT NO.
DRAWN BY:	M.A.N.	CHECKED BY:	O.S.	DRAWING NO.
DESIGNED BY:	M.A.N.	CHECKED BY:	O.S.	
SCALE:	1:1500	DATE:	OCTOBER, 2023	CMP-1