

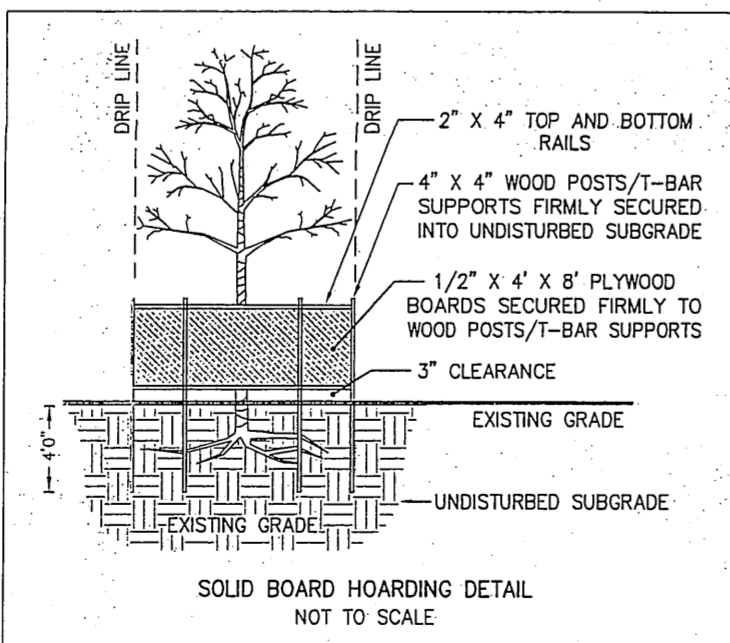
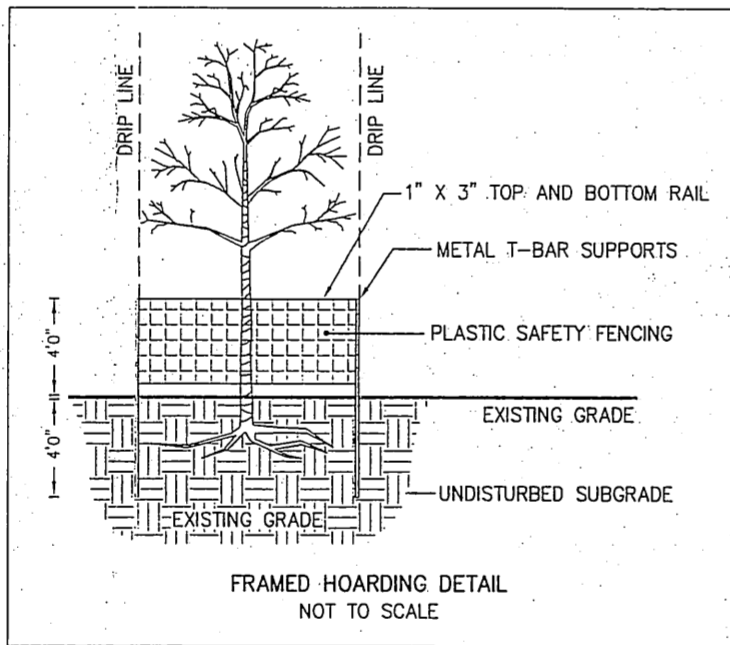
**GENERAL NOTES**

- THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREETLINES MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
- ALL CONNECTIONS SHALL BE INSTALLED AS PER MUNICIPAL STANDARDS AND SPECIFICATIONS.
- THE BUILDER IS TO VERIFY TO THE ENGINEER THAT THE FINAL FOOTING ELEVATION AND THE TOP OF FOUNDATION WALL ELEVATION ARE IN CONFORMITY WITH THE BUILDING CODE AND THE CERTIFIED GRADING PLAN PRIOR TO PROCEEDING.
- THE ELEVATION OF THE SIDE SWALE AT THE BUILDING LINE SHALL BE A MINIMUM OF 150mm BELOW THE BUILDING LINE AT THE CENTRE OF THE LOT.
- THE OUTSIDE FINISHED GRADE IS TO BE A MINIMUM OF 150mm BELOW THE BRICK VENEER ELEVATION.
- PRIOR TO ANY SOODING, THE BUILDER IS TO INSURE TO THE SOILS CONSULTANT AND/OR THE ENGINEER THAT THE LOT HAS BEEN GRADED, TOPSOILED AND SOODED COMPLETELY WITH A MINIMUM DEPTH OF 100mm OF TOPSOIL AND NO. 1 NURSERY SOD. A MINIMUM DEPTH OF 150mm OF CRUSHED STONE IS TO BE PROVIDED ON THE ENTIRE LENGTH OF EACH DRIVEWAY ON A FIRM SUBGRADE. THE DRIVEWAY IS TO BE PAVED WITH A MINIMUM COMPACTED DEPTH OF 75mm OF ASPHALT BETWEEN THE CURB AND THE GARAGE.
- NO SOODING ON ANY LOT IS PERMITTED UNTIL A PRELIMINARY INSPECTION IS DONE BY THE ENGINEER AND THE BUILDER.
- AT THE ENTRANCES TO THE SITE, THE MUNICIPAL CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY AND A CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
- ALL PROPOSED CURBING AT THE ENTRANCES TO THE SITE IS TO STOP AT THE PROPERTY LINE OR AT THE MUNICIPAL SIDEWALK, WHICHEVER IS APPLICABLE.
- DRIVEWAY GRADES SHOULD NOT BE LESS THAN 2.0% AND NOT GREATER THAN 8.0%.
- LAWN AND SWALES SHALL HAVE A MINIMUM SLOPE OF 1.5% (PREFERABLY 2.0%) AND A MAXIMUM SLOPE OF 6.0%.
- WHERE GRADES IN EXCESS OF 6.0% ARE REQUIRED, THE MAXIMUM SLOPE SHALL BE 3 : 1. GRADE CHANGES IN EXCESS OF 1m ARE TO BE ACCOMPLISHED BY USE OF A RETAINING WALL. RETAINING WALLS HIGHER THAN 0.6m SHALL HAVE A FENCE INSTALLED ON THE HIGH SIDE.
- ALL BACKFILL FOR SEWERS, WATERMANS AND UTILITIES ON THE ROAD ALLOWANCE AND ON THE INTERNAL SITE MUST BE COMPACTED TO A MINIMUM OF 95% S.P.D. EXCEPT FOR THE TOP 300mm ON THE ROAD ALLOWANCE WHICH MUST BE COMPACTED TO 98% S.P.D. UNLESS OTHERWISE NOTED AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL SOILS CONSULTANT.
- THE SERVICE CONNECTION TRENCH WITHIN THE TRAVELLED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED WITH UNSHINKABLE BACKFILL MATERIAL AS PER C.M. STDS. 2220.030, 2220.031 AND 2220.032 UNLESS PRIOR APPROVAL FOR OTHER SPECIFIED BACKFILL MATERIAL HAS BEEN OBTAINED.
- ALL WATERMANS, WATER SERVICE MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT MUNICIPAL STANDARDS AND SPECIFICATIONS.
- SEDIMENT CONTROL FENCING IS TO BE INSTALLED AS PER C.M. STD. 2940.010.
- ALL DAMAGED LANDSCAPE AREAS WILL BE REINSTATED WITH TOPSOIL AND SOD PRIOR TO RELEASE OF SECURITIES.
- THE OWNER IS RESPONSIBLE FOR ENSURING THAT THE TREE PROTECTION HOARDING IS MAINTAINED THROUGH ALL PHASES OF DEMOLITION AND CONSTRUCTION IN THE LOCATION AND CONDITION AS APPROVED BY THE PLANNING AND BUILDING DEPARTMENT. NO MATERIALS (CONSTRUCTION MATERIALS, SOIL, ETC.) MAY BE STOCKPILED WITHIN THE AREA OF HOARDING. FAILURE TO MAINTAIN THE HOARDING AS ORIGINALLY APPROVED, OR THE STORAGE OF MATERIALS WITHIN THE HOARDING WILL CAUSE THE TREE PRESERVATION LETTER OF CREDIT TO BE HELD FOR 2 (TWO) YEARS FOLLOWING COMPLETION OF SITE WORKS.

- WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITPLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
  - WATERMANS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3m (12") OVER 0.5m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
  - ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINE IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
- OWNERS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_
- PRIOR TO ANY CONSTRUCTION TAKING PLACE, HOARDING ADJACENT TO EXISTING PROPERTIES TO PROTECT FROM CONSTRUCTION ACTIVITY AND ALL REQUIRED HOARDING IN ACCORDANCE WITH THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS MUST BE ERECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
  - THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF ANY UTILITY RELOCATIONS NECESSITATED BY THE SITE PLAN.
  - HOARDING MUST BE INSPECTED PRIOR TO REMOVAL OF ANY TREE PROTECTION HOARDING FROM THE SITE.
  - OPEN TRENCHING WILL NOT BE PERMITTED WITHIN THE TREE PRESERVATION AREA.
  - ALL SURFACE DRAINAGE WILL BE SELF-CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. AT THE ENTRANCES TO THE SITE, THE MUNICIPAL CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY AND A CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE. ALL PROPOSED CURBING WITHIN THE MUNICIPAL BOULEVARD AREA FOR THE SITE IS TO SUIT AS FOLLOWS: A) FOR ALL SINGLE FAMILY RESIDENTIAL PROPERTIES INCLUDING ON STREET TOWNHOUSES, ALL CURBING IS TO STOP AT THE PROPERTY LIMIT OR THE BACK OF THE MUNICIPAL SIDEWALK, WHICHEVER IS APPLICABLE, OR B) FOR ALL OTHER PROPOSALS INCLUDING INDUSTRIAL, COMMERCIAL AND CONDOMINIUM DEVELOPMENTS, ALL ENTRANCES TO THE SITE ARE TO BE IN ACCORDANCE WITH O.P.S.D. 350.010.
  - WORKS IN THE MUNICIPAL RIGHT-OF-WAY BEING PERFORMED BY THE CITY'S CONTRACTOR WILL REQUIRE 4 TO 6 WEEKS NOTICE PRIOR TO COMMENCEMENT OF CONSTRUCTION AFTER ALL DRAWINGS HAVE BEEN APPROVED AND SECURITIES HAVE BEEN RECEIVED.
  - LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
  - THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK, WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
  - THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
  - WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7m (5'6") A MINIMUM HORIZONTAL SPACING OF 1.2m (4") FROM THEMSELVES AND ALL OTHER UTILITIES.

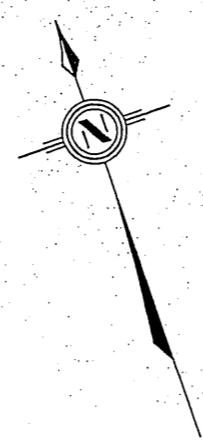
**EROSION SEDIMENT CONTROL NOTE**

- EROSION AND SEDIMENT CONTROL METHODS ARE TO BE CONTINUOUSLY EVALUATED, AND UPGRADES ARE TO BE IMPLEMENTED WHEN NECESSARY.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONTROLLING SEDIMENT AND EROSION WITHIN THE CONSTRUCTION SITE FOR THE TOTAL PERIOD OF THE CONSTRUCTION, THE SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO DISCHARGE TO THE CREEK.
- AN AFTER-HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES.



**HOARDING NOTES**

- HOARDING DETAILS TO BE DETERMINED FOLLOWING INITIAL SITE INSPECTION
- HOARDING TO BE APPROVED BY DEVELOPMENT AND DESIGN.
- HOARDING MUST BE SUPPLIED, INSTALLED AND MAINTAINED BY THE APPLICANT THROUGHOUT ALL PHASES OF CONSTRUCTION, UNTIL APPROVAL TO REMOVE HOARDING IS OBTAINED FROM DEVELOPMENT AND DESIGN.
- DO NOT ALLOW WATER TO COLLECT AND POND BEHIND OR WITHIN HOARDING.
- T-BAR SUPPORTS FOR SOLID HOARDING WILL ONLY BE ALLOWED WITH PRE APPROVAL FROM DEVELOPMENT AND DESIGN.



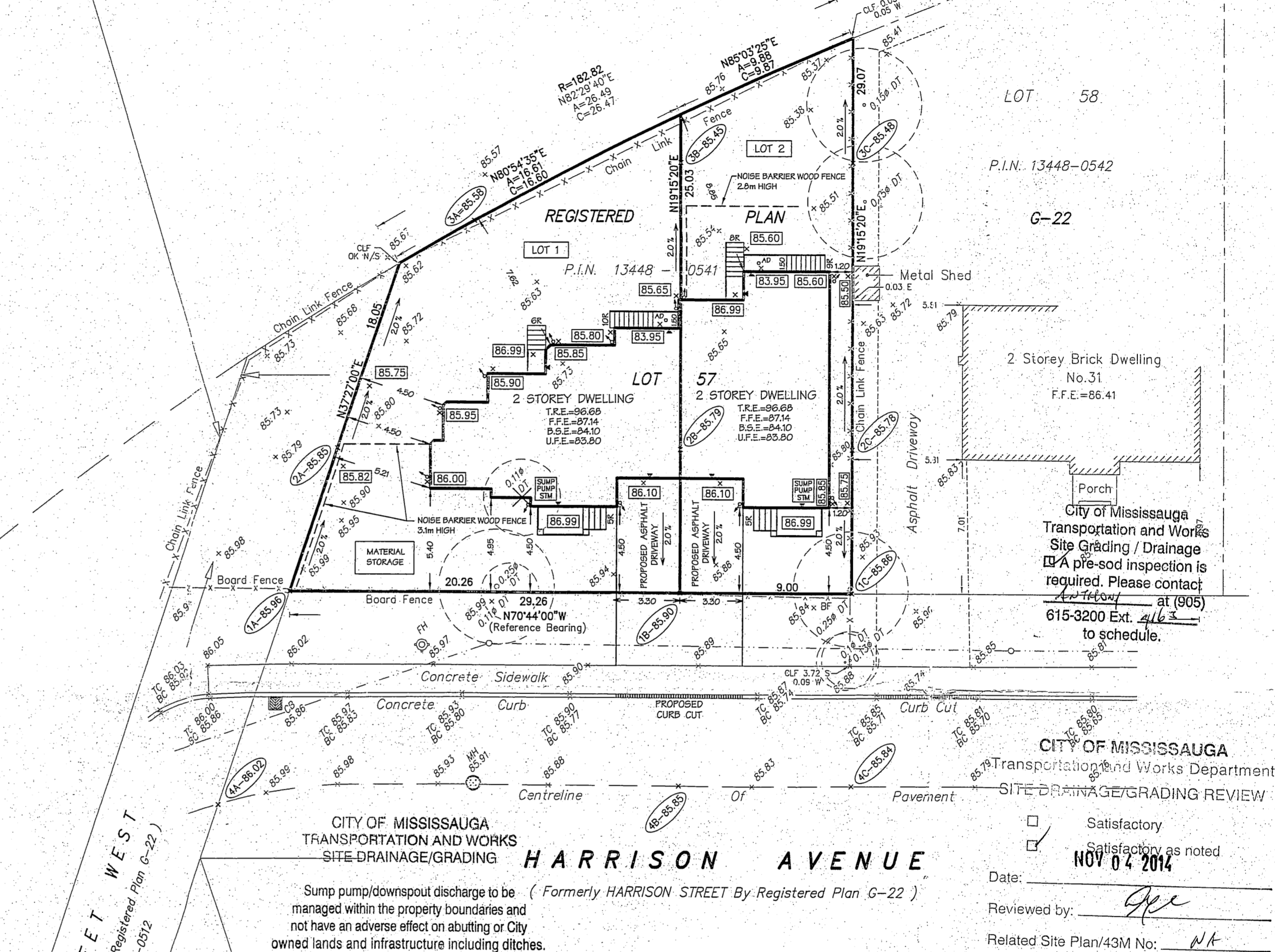
Part of LOT 10, Range 1

Credit Indian Reserve

PART 1

PLAN 43R-34033

P.I.N. 13448-1337



CITY OF MISSISSAUGA TRANSPORTATION AND WORKS SITE DRAINAGE/GRADING HARRISON AVENUE

Sump pump/downspout discharge to be managed within the property boundaries and not have an adverse effect on abutting or City owned lands and infrastructure including ditches.

**NOTE**  
FOR SERVICE LOCATIONS AND INFORMATION PLEASE REFER TO THE SERVING PLAN PREPARED BY NINA DESIGN GROUP

CITY OF MISSISSAUGA Transportation and Works Department  
SITE DRAINAGE/GRADING REVIEW

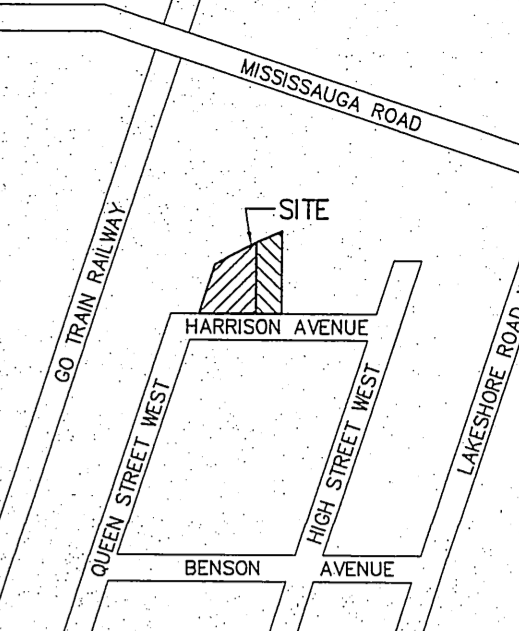
Satisfactory  
Satisfactory as noted  
Date: NOV 04 2014  
Reviewed by: [Signature]  
Related Site Plan/43M No: [Signature]

**SITE STATISTICS**

ZONE: RM7 (COMPLIANCE WITH RM2)	REQUIRED		PROVIDED	
	LOT-1	LOT-2	LOT-1	LOT-2
MINIMUM LOT AREA	280 M <sup>2</sup>	200 M <sup>2</sup>	367.7M <sup>2</sup>	241.1M <sup>2</sup>
MINIMUM LOT FRONTAGE	9.8 M	6.8 M	20.26M	9.0 M
MAXIMUM LOT COVERAGE	45%	45%	24.2%	35.67%
MINIMUM FRONT YARD	4.5 M	4.5 M	4.5 M	4.5 M
FRONT GARAGE FACE	6.0 M	6.0 M	6.0 M	6.0 M
MINIMUM INTERIOR SIDE (UNATTACHED SIDE)	—	0.9 M	—	1.2 M
MINIMUM REAR YARD	N/A	7.5 M	N/A	8.3 M
MAXIMUM HEIGHT	10.7M	10.7M	10.88 M	10.94 M
MINIMUM LANDSCAPE AREA	25% OF LOT AREA	25% OF LOT AREA	48.20%	32.49%

**AVERAGE GRADE CALCULATIONS**

FINISHED FIRST FLOOR ELEVATION	LOT-1		LOT-2	
	86.53 m	FINISHED FIRST FLOOR ELEVATION	86.53 m	
GRADE 1A	85.96 m	GRADE 1B	85.90 m	
GRADE 1B	85.90 m	GRADE 1C	85.86 m	
GRADE 2A	85.85 m	GRADE 2B	85.79 m	
GRADE 2B	85.79 m	GRADE 2C	85.78 m	
GRADE 3A	85.58 m	GRADE 3B	85.45 m	
GRADE 3B	85.45 m	GRADE 3C	85.48 m	
GRADE 4A	86.02 m	GRADE 4B	86.85 m	
GRADE 4B	85.85 m	GRADE 4C	85.84 m	
SUM OF ELEVATIONS	686.40 m	SUM OF ELEVATIONS	685.95 m	
AVERAGE GRADE (DIVIDE BY 8)	85.80 m	AVERAGE GRADE (DIVIDE BY 8)	85.74 m	



**SITE and GRADING PLAN of PROPOSED 2 STOREY SINGLE FAMILY DWELLING**  
33 HARRISON AVENUE  
MISSISSAUGA, ONTARIO  
L5H 2N8  
OWNER: MR. RIVAT OTAL  
ARCHITECT: MR. NITIN MALHOTRA  
PHONE: 416-303-4821

**LEGAL DESCRIPTION**  
LOT 57  
REGISTERED PLAN G-22  
**CITY of MISSISSAUGA**  
Regional Municipality of Peel  
SCALE 1 : 200  
AVANTI SURVEYING INC.  
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**METRIC**  
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

**BEARING NOTE**  
BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTH LIMIT OF HARRISON AVENUE, HAVING A BEARING OF N70°44'00"W ACCORDING TO A PLAN OF SURVEY BY CLARKE WILKINSON ALTON SURVEYING, OLS, DATED NOVEMBER 25, 2008.

**ELEVATION NOTE**  
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CITY OF MISSISSAUGA BENCH MARK NO. 45, HAVING A PUBLISHED ELEVATION OF 81.51 METRES.

**LEGEND**

CLF	DENOTES	CHAIN LINK FENCE
BF	—	BOARD FENCE
N.S.E.W	—	NORTH,SOUTH,EAST,WEST
P.I.N.	—	PROPERTY IDENTIFIER NUMBER
—	—	OVERHEAD WIRES
CB	—	CATCH BASIN
MH	—	MANHOLE
TC	—	TOP OF CURB
BC	—	BOTTOM OF CURB
F.F.E.	—	FINISHED FLOOR ELEVATION
DT	—	DECIDUOUS TREE
CT	—	CONIFEROUS TREE
Ø	—	DIAMETER
FH	—	FIRE HYDRANT
T.R.E.	—	TOP OF ROOF ELEVATION
F.F.E.	—	FINISHED FLOOR ELEVATION
B.S.E.	—	BASEMENT SLAB ELEVATION
U.F.E.	—	UNDERSIDE OF FOOTING ELEVATION
85.63	—	EXISTING ELEVATION
85.60	—	PROPOSED ELEVATION
AD	—	AREA DRAIN
—	—	DOOR
—	—	DOWNSPOUT

**REVISIONS**

No.	DATE	No.	DATE
1	JUNE 4, 2014	5	OCTOBER 8, 2014
2	JULY 24, 2014	6	
3	AUGUST 19, 2014	7	
4	SEPTEMBER 29, 2014	8	

**SURVEYOR'S CERTIFICATE**  
I HAVE REVIEWED THE PLANS FOR THE CONSTRUCTION OF THIS PROPERTY AND HAVE PREPARED THIS PLAN TO INDICATE THE COMPATIBILITY OF THE PROPOSAL TO EXISTING ADJACENT PROPERTIES AND MUNICIPAL SERVICES. IT IS MY BELIEF THAT ADHERENCE TO THE PROPOSED GRADES AS SHOWN WILL PRODUCE ADEQUATE SURFACE DRAINAGE AND PROPER FACILITY OF THE MUNICIPAL SERVICES WITHOUT ANY DETRIMENTAL EFFECT TO THE EXISTING DRAINAGE PATTERNS OF ADJACENT PROPERTIES.

APRIL 2, 2013  
DATE  
CHRIS BERSNEWICZ  
ONTARIO LAND SURVEYOR

**Avanti SURVEYING INC.**  
310 North Queen St., Unit 102, Toronto ON M9C-5K4  
Tel: (416) 231-1174 - Fax: (416) 621-3360  
E-MAIL: avanti2@bellnet.ca

DRAWN: PAT CHECKED: C.B. PROJECT 12-170

APPLICANT