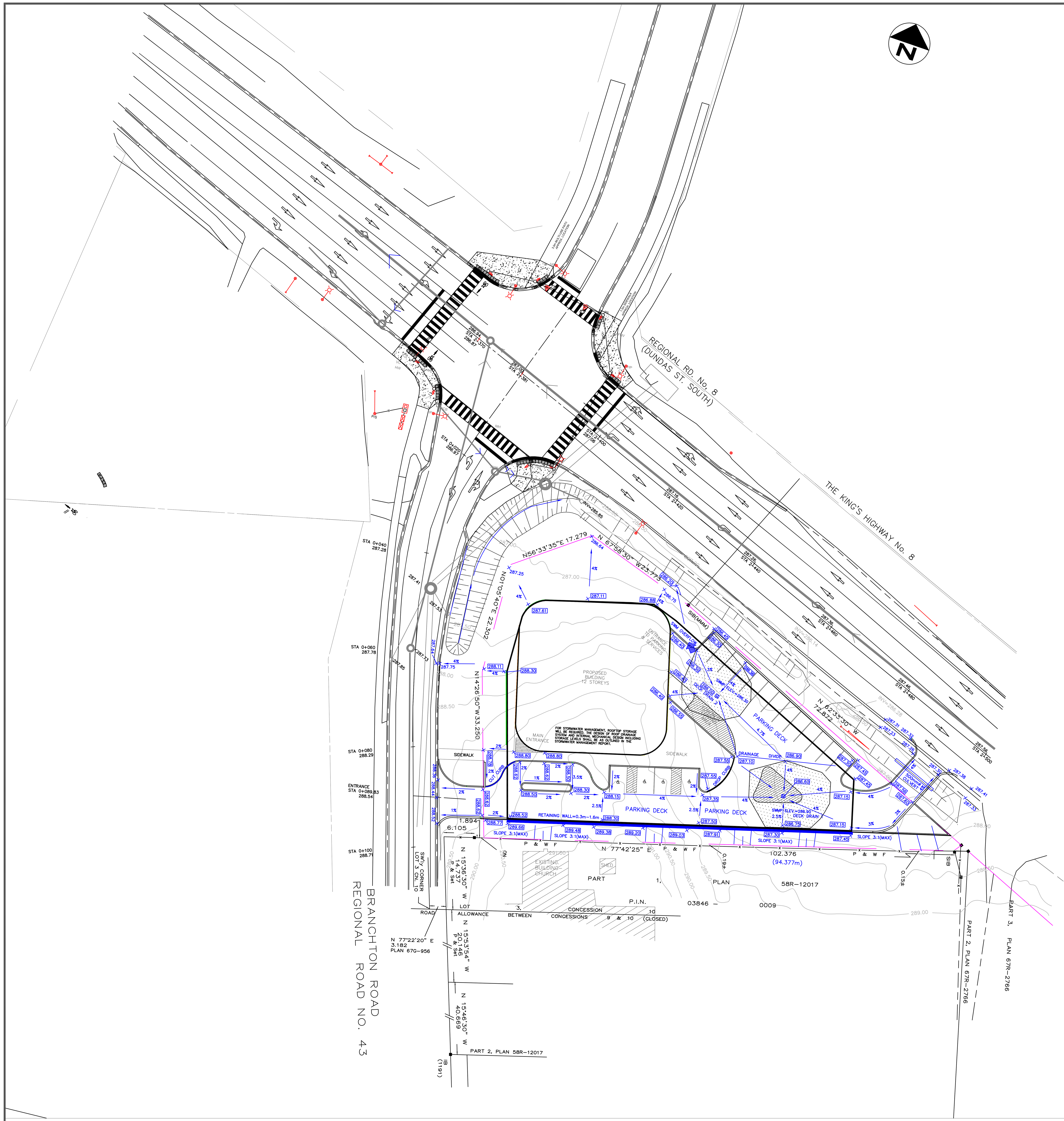


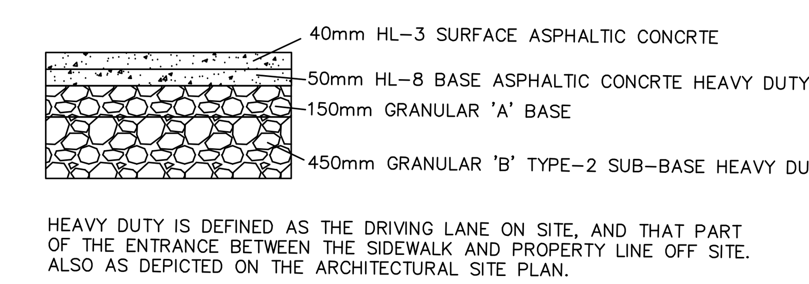
EROSION CONTROL NOTES (SEE EROSION & SEDIMENTATION PLAN, SHEET 3 OF 3, PREPARED BY OUR FIRM)

1) ALL SILT FENCING TO BE INSTALLED PRIOR TO COMMENCMENT OF ANY AREA GRADING, EXCAVATING, OR DEMOLITION.
2) EROSION CONTROL FENCING TO BE PLACED AROUND THE BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT A MINIMUM OF 2.5m FROM THE PROPERTY LINES.
3) EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MH'S AND CB'S AS PER THE ATTACHED DETAILS.
4) ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
5) EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY BY PROGRESSIVE ENGINEERING SERVICES LTD. AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF ONE THIRD (1/3) THE HEIGHT OF THE SILT FENCE.
6) ALL EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RE-STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
7) NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THIS CONSULTING ENGINEER AND THE CITY OF CAMBRIDGE'S DEVELOPMENT & TECHNICAL SERVICES DEPARTMENT (ENGINEERING)
8) THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SEDIMENTS FROM THE MUNICIPAL ROADWAY AND SIDEWALKS AT THE END OF EACH WORK DAY.
9) MUD MATS TO BE PROVIDED ON STE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. MUD MATS SHALL BE A MINIMUM OF 3.0m WIDE, 15.0m LONG (LENGTH MAY VARY DEPENDING ON SITE LAYOUT) AND 0.3m DEEP AND SHALL CONSIST OF 200mm CLEAR STONE MATERIALS OR APPROVED EQUIVALENT. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE NUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE ITS EFFECTIVENESS AT ALL TIMES.
10) PROGRESSIVE ENGINEERING SERVICES LTD. IS TO MONITOR THE SITE DEVELOPMENT TO ENSURE ALL EROSION CONTROLS ARE INSTALLED AND MAINTAINED TO CITY REQUIREMENTS. THE CONTRACTOR IS TO COMPLY WITH THE ENGINEER'S INSTRUCTIONS TO INSTALL, MODIFY OR MAINTAIN EROSION CONTROL WORKS.
11) EXCESS MATERIAL REMOVED FROM THE SITE AND HAULED TO A LOCATION WITHIN THE CITY OF CAMBRIDGE TO BE STABILIZED IN ACCORDANCE WITH O.P.S.S. 572.

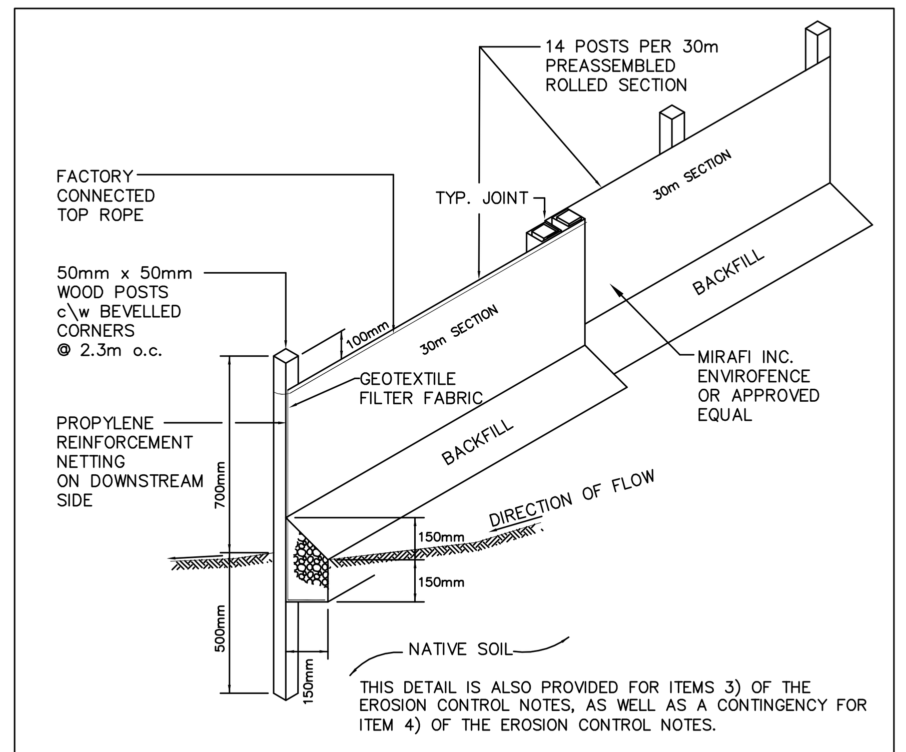
GENERAL NOTE:

1) THE OWNER IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MINICIPAL RIGHT-OF-WAY TO CITY OF CAMBRIDGE STANDARDS.
2) IF, FOR UNFORSEEN REASONS, THE OWNER AND/OR HIS/HER REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, HE/SHE MUST OPTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO THE DEVELOPMENT & TECHNICAL SERVICES – ENGINEERING DEVELOPMENT DIVISION, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.

A REPRESENTATIVE OF PROGRESSIVE ENGINEERING SERVICES LTD. IS TO BE ON SITE FOR THE INSTALLATION OF SERVICES. THE CONTRACTOR IS TO GIVE NOTIFICATION OF HIS WORK SCHEDULE A MINIMUM OF 48 HOURS IN ADVANCE.



HEAVY DUTY IS DEFINED AS THE DRIVING LANE ON SITE, AND THAT PART OF THE ENTRANCE BETWEEN THE SIDEWALK AND PROPERTY LINE OFF SITE. ALSO AS DEPICTED ON THE ARCHITECTURAL SITE PLAN.

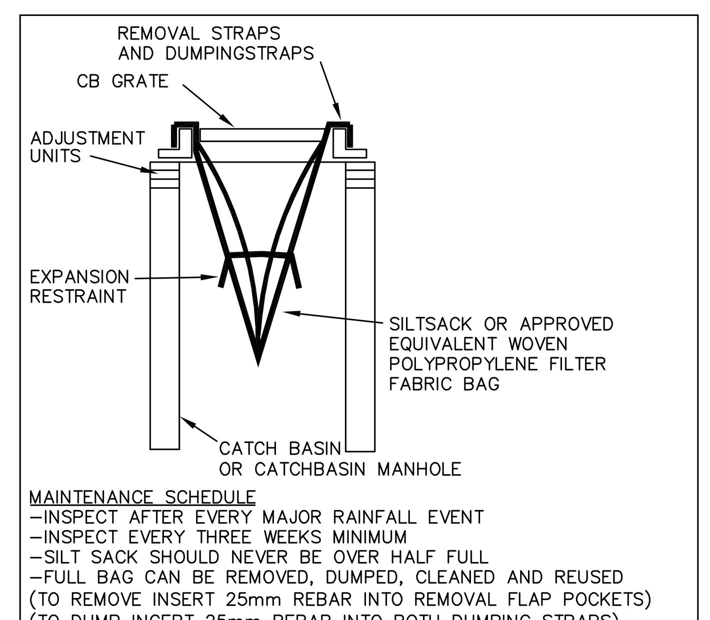


THIS DETAIL IS ALSO PROVIDED FOR ITEMS 3) OF THE EROSION CONTROL NOTES, AS WELL AS A CONTINGENCY FOR ITEM 4) OF THE EROSION CONTROL NOTES.

SILTATION CONTROL FENCE

SCALE : N.T.S.

SILT FENCE IS TO BE INSTALLED ALONG PROPERTY LINES OUTSIDE THE PROPOSED DRIVEWAY WHERE DISTURBED AREAS CAN WASH ONTO THE SIDEWALK



MAINTENANCE SCHEDULE
- INSPECT AFTER EVERY MAJOR RAINFALL EVENT
- INSPECT EVERY THREE WEEKS MINIMUM
- SILT SACK SHOULD NEVER BE OVER HALF FULL
- FULL BAG CAN BE REMOVED, DUMPED, CLEANED AND REUSED (TO REMOVE INSERT 25mm REBAR INTO REMOVAL FLAP POCKETS) (TO DUMP INCERT 25mm REBAR INTO BOTH DUMPING STRAPS)

INSTALL IN ALL CB/CBMH'S ON & OFF SITE
SILTATION CONTROL AT CB/CBMH
SCALE : N.T.S.

LEGEND

- +334.50 – EXISTING GRADE
- 334.50 – PROPOSED GRADE
- 1% – PROPOSED DRAINAGE DIRECTION & SLOPE
- 334.5 – EXISTING CONTOURS
- MAJOR STORM OVERFLOW
- EXISTING SLOPE (3:1 UNLESS NOTED OTHERWISE)
- D.S. – PROP. DOWN SPOUT LOCATION
- O.W. – OBSERVATION WELL IN INFILTRATION PIT
- CBMH – STM CATCH BASIN MANHOLE
- STC – STORMCEPTOR UNIT
- SAN.MH – SAINTARY MANHOLE
- WV – WATER VALVE
- SWMP AREA (MAX. FLOODING BEFORE OVERFLOW)

NOTES:

THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION WITHOUT WRITTEN CLEARANCE FROM PROGRESSIVE ENGINEERING SERVICES LTD.

ALL WORKS ARE TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF CAMBRIDGE AND THE O.P.S.S./O.P.S.D. STANDARDS WHICH FORM INTEGRAL PARTS OF THE DESIGN AND CONTRACT. IN ALL CASES, WHERE THERE IS A DISCREPANCY IN SPECIFICATIONS BETWEEN THESE TWO STANDARDS, THE CITY OF CAMBRIDGE STANDARDS SHALL GOVERN.

THIS PLAN IS NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF PROGRESSIVE ENGINEERING SERVICES LTD.

THE CONTRACTOR IS TO CONFIRM THAT ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.

THE POSITION OF POLES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND 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. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, OBTAINING ALL PERMITS AND LICENSES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND EXISTING ELEVATIONS WHICH INCLUDES BUT IS NOT LIMITED TO THE BENCH MARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS, AND BE RESPONSIBLE FOR SAME, REPORTING ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING WORK.

THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING ADDITIONAL BEDDING AND/OR STRONGER PIPE, IF THE ACTUAL TRENCH WIDTH EXCEEDS THE DESIGN WIDTH.

ALL MATERIALS TO BE SUPPLIED BY THE CONTRACTOR. WORKMANSHIP AND MATERIALS ARE TO CONFORM TO CURRENT O.P.S.S. AND MUNICIPAL MINIMUM STANDARDS. CONSTRUCTION LAYOUT SHALL UTILIZE BOTH THE REGISTERED PLAN AND THE CONSTRUCTION DRAWINGS.

ALL FILL MATERIAL IS TO BE NATIVE AND COMPACTED TO 95% MODIFIED PROCTOR IN 300mm LIFTS UNLESS OTHERWISE SPECIFIED.

ALL WORKS ON A MUNICIPAL RIGHT OF WAY IS TO BE INSTALLED BY HE CITY OR BY AN APPROVED CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A ROAD WORK PERMIT FROM THE RMOW AND A ROAD WORK PERMIT FOR WATERMAIN WORKS FROM THE CITY. ON COMPLETION OF ALL WORKS WITHIN THE RIGHT OFWAY THE CONTRACTOR IS REQUIRED TO AND RESTORE ALL AFFECTED PROPERTY TO ORIGINAL CONDITION PROMPTLY.

NOTE:
THE FOLLOWING PLANS ARE TO BE READ IN CONJUNCTION WITH EACH OTHER: THE GRADING PLAN, SERVICING PLAN, LANDSCAPE PLAN AS WELL AS THE STORM WATER MANAGEMENT BRIEF PREPARED BY OUR FIRM. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR IS TO VERIFY WITH THE CONSULTANT THAT THE PLANS HE IS USING ARE THE CITY APPROVED PLANS, ALONG WITH ALL REVISIONS..

BENCHMARK

OBSERVED REFERENCE POINTS (ORP) ARE DERIVED FROM GPS OBSERVATIONS USING THE CAN-NET NETWORK AND ARE REFERRED TO UTM ZONE 17, NAD83 (CSRS-v6) (2010) COORDINATES ARE TO AN URBAN ACCURACY IN ACCORDANCE WITH SECTION 14(2) OF O.REG. 216/10.

DATE ISSUED:

NO.	REVISIONS	BY	DATE (D,M,Y)
1.			

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RESIDENCIAL DEVELOPMENT AT
1280 DUNDAS STREET
CAMBRIDGE ONTARIO

GRADING, DRAINAGE & STORMWATERMANAGEMENT DESIGN

REGISTERED PROFESSIONAL ENGINEER
G. K. H. NUESSLER
21/5/25
PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION CITY, RMOW & MTO APPROVAL REQUIRED

DRAWN BY: P.E.S.	CONTRACT NO. SP-2024-11
CHECKED BY: G.K.N.	DRAWING NO.
DATE: MAY 21, 2025	
SCALE: 1:250	SHEET 1 OF 1