EXISTING FEATURES

- SITE BOUNDARY
- PROPERTY LINE (OTHERS)
- EX. BUILDING
- EX. CONTOURS (300.00, 299.90)

PROPOSED FEATURES

- PROPOSED BUILDING
- PROPOSED ELEVATION (× 360.00)
- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED DOWNSPOUT (DS)
- PROPOSED SANITARY SEWER (SA-MH1)
- PROPOSED WATERMAIN (XXXmmØ PVC WTM)
- PROPOSED STORM SEWER
- PROPOSED SWALE (0.2%)

CAMBRIDGE LADDER FIRE TRUCK

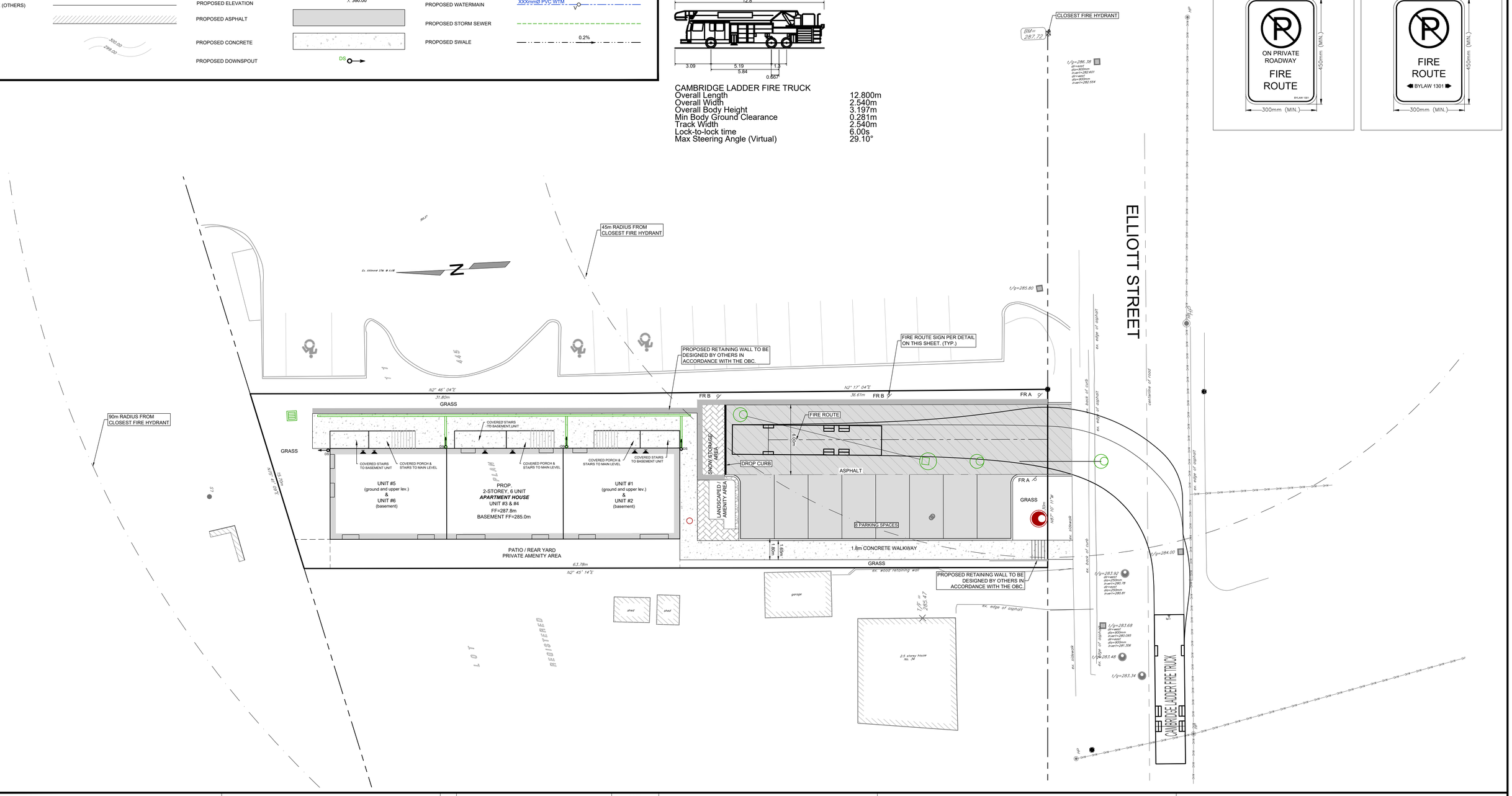
Overall Length	12.800m
Overall Width	2.540m
Overall Body Height	3.197m
Min Body Ground Clearance	0.281m
Track Width	2.540m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	29.10°

FIRE ROUTE (FR A) SIGN DETAIL

N.T.S.

FIRE ROUTE (FR B) SIGN DETAIL

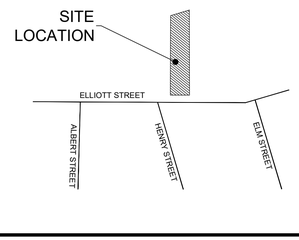
N.T.S.



KEY PLAN

N.T.S

CITY OF CAMBRIDGE



CONTRACTOR NOTES:

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THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USE EXCEPT FOR THE PURPOSES INDICATED. BEARING AND DISTANCES SHOWN WERE DERIVED FROM PLAN OF SURVEY BY GUENTHER RUEB SURVEYING LTD. FILE NO B-2699

BENCHMARK (GEODETIC)

CONCRETE MONUMENT IN NORTH SIDE OF SIDEWALK OF CONCESSION STREET, TABLET IN TOP, 70cm FROM SOUTH EDGE OF SIDEWALK, 1.8m FROM CONCRETE RETAINING WALL NORTH SIDE OF SIDEWALK, 2.0m SOUTHWESTERLY FROM CONCRETE LAMP POST, 16.8m WEST OF WEST SIDE OF CENTRE STREET.

ELEVATION: 283.949

BENCHMARK (SITE)

TOP NUT ON FIRE HYDRANT

ELEVATION: 287.716

No.	ISSUED DESCRIPTION	DATE (YYYY-MM-DD)
1	ISSUED FOR CLIENT REVIEW	2023-12-22
2	ISSUED FOR APPROVAL	2024-02-14
3	REISSUED FOR APPROVAL	2024-02-27
4	REISSUED FOR APPROVAL	2024-10-22
5	----	----
6		
7		
8		
9		

GRIT ENGINEERING INC

CERTIFIED ENGINEERING TECHNOLOGIST — OACETT — 2024-10-22 — ONTARIO — NICHOLAS PRIKSCHAS — No 862583

LICENSED PROFESSIONAL ENGINEER — 2024-10-22 — A. M. GIBSON — 100517112 — PROVINCE OF ONTARIO

NEW RESIDENTIAL DEVELOPMENT

PROJECT INFORMATION: 36 ELLIOTT STREET, CAMBRIDGE, ONATRIO

DRYDEN, SMITH & HEAD PLANNING

CLIENT INFORMATION: 54 CEDAR STREET NORTH, KITCHENER, ONTARIO

DRAWING NAME:

FIRE ROUTE PLAN

PROJECT No: GE23-0527-1

SCALE: 1 : 150 METRIC (0 2 4 6 8)

DRAWING No: C200

SHEET SET No: 1 OF 3

file: c:\users\nick\onedrive\documents_grit\engineering\documents_project work\2023\527-1\cd-drawings\working drawings\level set\ge23-0527-1-cd-c200.dwg by: nick prikschas 2024-10-22

EXISTING FEATURES

- SITE BOUNDARY
- PROPERTY LINE (OTHERS)
- EX. BUILDING
- EX. CONTOURS (300.00, 299.00)

PROPOSED FEATURES

- PROPOSED BUILDING
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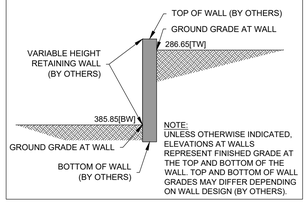
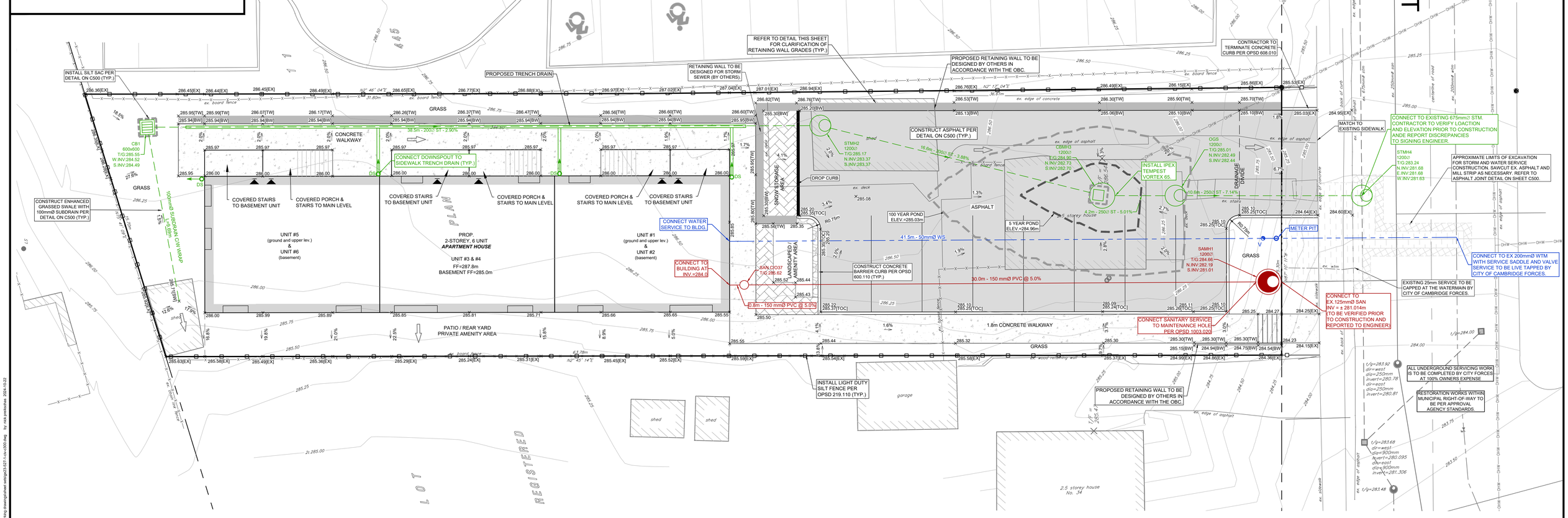
- PROPOSED CONCRETE
- PROPOSED DOWNSPOUT (DS)
- PROPOSED SANITARY SEWER (SA-MH1)
- PROPOSED WATERMAIN (XXXmmØ PVC WTM)
- PROPOSED STORM SEWER
- PROPOSED SWALE (0.2%)

RETAINING WALL DETAIL

N.T.S.



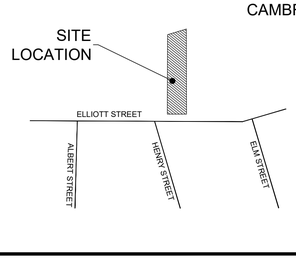
NOTE:
UNLESS OTHERWISE INDICATED, ELEVATIONS AT WALLS REPRESENT FINISHED GRADE AT THE TOP AND BOTTOM OF THE WALL. TOP AND BOTTOM OF WALL GRADES MAY DIFFER DEPENDING ON WALL DESIGN (BY OTHERS).



KEY PLAN

N.T.S

CITY OF CAMBRIDGE



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DRYDEN, SMITH & HEAD PLANNING

CLIENT INFORMATION: 54 CEDAR STREET NORTH, KITCHENER, ONTARIO

DRAWING NAME:

GRADING, SERVICING, EROSION AND SEDIMENT CONTROL PLAN

PROJECT No: GE23-0527-1

SCALE: 1 : 100 METRIC (0, 2, 4, 6)

DRAWING No: C300

SHEET SET No: 2 OF 3

GENERAL NOTES & CONSTRUCTION SPECIFICATIONS

ALL STANDARDS ARE AS FOLLOWS, UNLESS INDICATED OTHERWISE.

1. GENERAL NOTES

1.1. THE WORK PROPOSED, UNLESS OTHERWISE NOTES IS TO CONFORM TO THE APPLICABLE OPSS AND OPSD DOCUMENTS.

1.2. THE PLANS ARE NOT TO BE WHOLE OR PARTLY REPLICATED WITHOUT THE AUTHORIZATION OF GRIT ENGINEERING INC.

1.3. ALL CONSTRUCTION WORK TO BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE (MOST RECENT) STANDARDS.

1.4. THESE PLANS PREPARED BY GRIT ENGINEERING INC. ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ENGINEER AND ACCEPTED BY THE APPROVING AGENCY.

1.5. CHANGES TO THE DRAWINGS ARE NOT PERMITTED UNTIL REVIEWED AND APPROVED BY THE ENGINEER AND ACCEPTED BY THE APPROVING AUTHORITY.

1.6. THIS DRAWING IS TO BE READ COMBINATION WITH THE FOLLOWING:

1.6.1. FUNCTIONAL SERVICING & STORMWATER MANAGEMENT REPORT OCTOBER 22, 2024.

1.7. EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM PLAN PREPARED BY GRIT ENGINEERING INC., DATED JULY 20, 2023.

2. CONTRACTOR NOTES

2.1. THE CONTRACTOR TO VERIFY THAT THE DRAWINGS BEING USED FOR THE CONSTRUCTION ARE THE MOST RECENT APPROVED VERSION.

2.2. THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS, UTILITY LOCATES AND CLEARANCE REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION.

2.3. THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, WHICH INCLUDE BUT NOT LIMITED TO LOCATIONS AND ELEVATIONS OF BENCHMARKS, AND EXISTING SERVICING AND FEATURES. CONTRACTOR TO REPORT ALL DISCREPANCIES TO APPROVING ENGINEER PRIOR TO PROCEEDING.

2.4. THE CONTRACTOR TO ASSUME ALL LIABILITY FOR DAMAGE TO EXISTING FEATURES AND STRUCTURES.

2.5. THE CONTRACTOR TO ASSUME ALL COSTS ASSOCIATED WITH THE TEMPORARY SUPPORT OF EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES.

2.6. ALL UNDERGROUND SERVICES ARE TO BE CONSTRUCTED IN FULL COMPLIANCE WITH THE ONTARIO PROVINCIAL BUILDING CODE (PART 7, PLUMBING), THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) AND THE REQUIREMENTS OF THE LOCAL MUNICIPALITY; WHICH CODES AND REGULATIONS SHALL SUPERSEDE ALL OTHERS.

2.7. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1 METER FROM FOUNDATION WALL.

2.8. FOLLOWING COMPLETION OF PROPOSED WORKS AND PRIOR TO OCCUPANCY INSPECTION, ALL STORM AND SANITARY SEWERS ARE TO BE FLUSHED, AND ALL CATCHBASIN AND CATCHBASIN MANHOLE SUMPS ARE TO BE CLEANED OF DEBRIS AND SILT.

2.9. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES THROUGH THE DURATION OF CONSTRUCTION, WHICH INCLUDES BUT NOT LIMITED TO THE INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS PER THE APPROVING AGENCY STANDARDS.

2.10. THE CONTRACTOR IS TO ASSUME ALL LIABILITY FOR DAMAGE TO ALL ABOVE GROUND AND BELOW GROUND INFRASTRUCTURE, UTILITIES AND STRUCTURES THAT MAY NOT BE ILLUSTRATED ON THESE DRAWINGS.

2.11. THE CONTRACTOR TO MAINTAIN A 'CONFINED TRENCH CONDITION' IN ALL SEWER AND SERVICE TRENCHES.

2.12. THE CONTRACTOR IS TO OBTAIN CONSENT FROM THE NEIGHBOR IN THE FORM OF WRITTEN CORRESPONDENCE GRANTING PERMISSION TO ENTERING THE PROPERTY TO COMPLETE ANY CONSTRUCTION ACTIVITY. THE WRITTEN CONSENT IS TO BE PROVIDED TO THE APPROVING AUTHORITY PRIOR TO THE CONTINUATION OF WORK FOR APPROVAL. THE CONTRACTOR WILL ASSUME LIABILITY FOR ALL WORKS IF FAILURE TO COMPLY.

3. STORM SEWER SERVICING

3.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS ``B'' AS PER OPSD 802.030, 802.031, OR 802.032. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR ``A''. TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.

3.2. STORM SEWERS 200mmØ TO 450mmØ SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR35 ASTM-D3034 OR RIBBED PVC SEWER PIPE CSA B182.4-M90 ASTM-F794 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS. RIBBED PVC NOT TO BE USED WITHIN-RIGHT-OF-WAY.

3.3. 150mmØ AND SMALLER - POLYVINYL CHLORIDE PVC DR28 ASTM-D3034 WITH INTERGRATED BELL AND SPIGOT COMPLETE WITH ELASTOMERIC SEALS.

3.4. MAINTENANCE HOLES AND MAINTENANCE HOLE CATCHBASINS TO BE 1200mmØ PRECAST WITH ALUMINIUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.

3.5. OIL GRIT SEPARATOR TO BE ADS MODEL FD4HC OR APPROVED EQUIVALENT.
RAINFALL: CITY OF CAMBRIDGE
CATCHMENT AREA; +/- 0.34 ha
CATCHMENT IMPERVIOUS: 72.7%
QUALITY LEVEL: ENHANCED
FLOW RATE: +/- 510L/S

3.6. CATCHBASIN STRUCTURES 600mmX600mm TO BE PER OPSD 705.010

3.7. CATCHBASIN MAINTENANCE HOLES, CATCHBASINS AND DITCH INLET CATCHBASINS TO HAVE A MINIMUM 600mm DEEP SUMP.

3.8. MAINTENANCE HOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

3.9. STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.2m COVER TO TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE PER DETAIL THIS SHEET OR OTHER ENGINEER-APPROVED EQUIVALENT.

4. SANITARY SEWER SERVICING

4.1. PIPE BEDDING FOR RIGID AND FLEXIBLE PIPE TO BE IN ACCORDANCE WITH OPSS.PROV 410, OPSS.MUNI 410 AND LOCAL MUNICIPAL STANDARDS.

4.2. TRENCH BACKFILL FOR RIGID AND FLEXIBLE PIPE TO BE IN ACCORDANCE TO OPSS.PROV 401, OPSS.MUNI 401 AND LOCAL MUNICIPAL STANDARDS. TRENCH BAKFILL TO BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY.

4.3. FLEXIBLE SANITARY SEWERS:

4.3.1. 150mmØ AND SMALLER - POLYVINYL CHLORIDE PVC DR28 ASTM-D3034 WITH INTERGRATED BELL AND SPIGOT COMPLETE WITH ELASTOMERIC SEALS

4.4. SANITARY MAINTENANCE HOLE STRUCTURES TO BE INTERNALLY BENCHED PER OPSD 701.021 AND COMPLETE WITH ALUMINUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 AND IN ACCORDANCE TO THE FOLLOWING:

4.4.1. 1200mmØ TO BE OPSD 701.010

4.5. SANITARY MAINTENANCE HOLE STRUCTURE LIDS TO BE PER OPSD 401.010 - TYPE 'A' WATER TIGHT.

4.6. SANITARY MAINTENANCE HOLE STRUCTURE FRAMES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

4.7. CONTRACTOR RESPONSIBLE FOR TESTING OF SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND LOCAL MUNICIPAL STANDARDS.

5. WATERMAIN AND WATER SERVICING

5.1. PIPE BEDDING FOR RIGID AND FLEXIBLE PIPE TO BE IN ACCORDANCE WITH OPSS.PROV 410, OPSS.MUNI 410 AND LOCAL MUNICIPAL STANDARDS.

5.2. TRENCH BACKFILL FOR RIGID AND FLEXIBLE PIPE TO BE IN ACCORDANCE TO OPSS.PROV 401, OPSS.MUNI 401 AND LOCAL MUNICIPAL STANDARDS. TRENCH BACKFILL TO BE PLACED IN MAXIMUM 150mm LIFTS FROM 150mm BELOW PIPE TO 300mm ABOVE TOP AT 95% STANDARD PROCTOR DENSITY AND 300mm ABOVE THE TOP OF THE PIPE TO THE SUBGRADE OF THE PAVEMENT 300mm LIFTS AND COMPACTED TO MINIMUM 100% STANDARD PROCTOR DENSITY.

5.3. CURB STOPS SHALL BE A FULL PORT BALL VALVE CURB STOP COMPRESSION #110 OR EQUIVALENT CONNECTION, PER MUELLER B-25209 OR FORD B44-444, OR APPROVED EQUIVALENT. SCREW CONNECTION TO BE PROVIDED FOR ATTACHMENTS OF ANODE WIRE.

5.4. VALVES SHALL BE RESILIENT-SEATED, WEDGE GATE VALVES BY MUELER CANADA VALVE OR APPROVED EQUIVALENT, MAIN LINE VALVES TO BE #55 MJ TYPE WITH STANDARD OPERATING NUT CONFORMING TO AWWA. STANDARD C500 OR AWWA. STANDARD C509. HYDRANT VALVES TO BE #525 MJ TO FL GATE VALVE WITH STANDARD OPERATING NUT AND RESILIENT SEAL. ALL VALVES TO BE SUPPLIED WITH “O” RING PACKING FOR WATER USE AND OPEN COUNTER-CLOCKWISE.

5.5. ALL WATERMAINS AND SERVICES TO HAVE MINIMUM 1.6m COVER TO MAXIMUM 1.8m COVER. WHERE COVER OVER SERVICES IS DEFICIENT, THE CONTRACTOR SHALL INSULATE WATERMAIN AND SERVICES AS PER DETAIL THIS SHEET OR APPROVED EQUIVALENT.

5.6. METER CHAMBER TO BE EITHER A C154 CONCRETE CHAMBER OR A FORD PLASTIC PIT SETTER (SUBJECT TO APPROVAL BY THE CITY OF CAMBRIDGE METER DEPARTMENT) FOR A 50 MM DIAMETER SERVICE.

5.7. ANY REDUNDANT WATER SERVICE IS TO BE CAPPED AT THE WATER MAIN AT 100% OWNER’S EXPENSE, WITH THE WORK COMPLETED BY THE CITY’S PUBLIC WORKS DIVISION.

6. ROAD CONSTRUCTION

6.1. ALL ORGANIC, UNSTABLE OR UNSUITABLE MATERIAL BENEATH THE ROAD ALLOWANCES MUST BE REMOVED AND THESE AREAS BACKFILLED WITH APPROVED FILL MATERIAL ALL TO THE SATISFACTION OF THE APPROVING AUTHORITY.

6.2. A MINIMUM OF 95% PROCTOR DRY DENSITY (SPDD) IS REQUIRED IN AREAS WHERE FILL IS REQUIRED TO ESTABLISH THE SUB-GRADE ELEVATION.

6.3. GRANULAR 'A' & 'B' ROAD BASE IS TO BE A MINIMUM 98% PROCTOR DENSITY (SPDD).

6.4. ROAD RESTORATION TO BE RESTORED AS PER DETAIL ON DETAIL ON CONSTRUCTION DRAWING.

6.5. MAINTENANCE HOLE STRUCTURES TO BE INSTALLED WITH TOP OF GRATE ELEVATION AT BASE COAT ASPHALT. MAINTENANCE HOLES TO BE RAISED WITH MODULOC RISERS IMMEDIATELY PRIOR TO TOP COAT ASPHALT INSTALLATION.

7. CONCRETE SIDEWALK

7.1. CONCRETE SIDEWALKS ARE TO BE A 1.5m WIDE AND 100mm THICK CONCRETE AND 200mm THICK ACROSS DRIVEWAYS. SIDEWALK TO BE INSTALLED ON 150mm THICKNESS OF COMPACTED GRANULAR “A” BEDDING IN ACCORDANCE WITH OPSD 310.010 UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DRAWINGS.

7.2. CONCRETE MATERIAL TO BE 30MPA USING ACI STON, 7% +/1/-1.5% AIR ENTRAINMENT, WITH BROOM FINISH.

7.3. ALL SIDEWALKS ARE TO HAVE A MINIMUM 2% CROSS FALL AS PER ROAD CROSS SECTION DETAIL UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DRAWINGS.

7.4. SIDEWALK RAMPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE LOCAL MUNICIPAL GUIDELINES OR OPSD 310.030 IN LOCATIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS.

8. EROSION AND SEDIMENT CONTROL

8.1. PRIOR TO THE START OF ANY CONSTRUCTION THE CONTRACTOR IS TO INSTALL THE EROSION AND SEDIMENT CONTROLS IN ACCORDANCE TO THE APPROVED PLAN.

8.2. NO ALTERNATE EROSION AND SEDIMENT CONTROLS ARE PERMITTED WITHOUT APPROVAL FROM THE ENGINEER AND APPROVING AUTHORITY.

8.3. AS CONSTRUCTION PROGRESSES, ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED. THE ADDITIONAL MEASURES AS SPECIFIED BY THE ENGINEER AND APPROVING AUTHORITY WILL BE REQUIRED TO BE INSTALLED BY THE CONTRACTOR.

8.4. REGULAR MAINTENANCE, REPAIRS AND REPLACEMENT IS REQUIRED TO BE PERFORMED BY THE CONTRACTOR ON ALL EROSION AND SEDIMENT CONTROLS TO ENSURE PROPER FUNCTIONING UNTIL DEVELOPMENT IS COMPLETE AND FINISHED HARD SURFACE MATERIALS AND VEGETATION IS STABILIZED WITH MATURE GROWTH.

8.5. CONTRACTOR TO REMOVE ALL EROSION AND SEDIMENT CONTROLS WHEN DEVELOPMENT IS COMPLETE AND FINISHED HARD SURFACE MATERIALS AND VEGETATION IS STABILIZED WITH MATURE GROWTH.

8.6. EROSION CONTROL FENCING TO BE INSTALLED AROUND THE BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT 2.5m MINIMUM FROM PROPERTY LINE.

8.7. EROSION PROTECTION TO BE PROVIDED AT ALL STORM AND SANITARY STRUCTURES.

8.8. THE CONTRACTOR IS TO CLEAN ALL ROADWAYS AND SIDEWALKS OF SEDIMENTS RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.

8.9. ALL COLLECTED SEDIMENT TO BE DISPOSED OF AT AN APPROVED LOCATION IN CONFORMANCE TO THE MECP EXCESS SOIL REGULATION.

8.10. KEEP ALL SUMPS CLEAN DURING CONSTRUCTION

8.11. PROTECT ALL PIPES ENDS FROM SEDIMENT INTRUSION WITH PIPE CAPS

8.12. PREVENT WINDBLOWN DUST DURING CONSTRUCTION WITH AN ACCEPTABLE DUST SUPPRESSANT

9. INSPECTION AND CERTIFICATION

9.1. GRIT ENGINEERING INC. REQUIRES A MINIMUM OF 48 HOURS NOTICE PRIOR TO THE REQUIRED INSPECTION BE REQUESTED. INSPECTIONS ARE REQUIRED TO VERIFY, PIPE INSTALLATION (MATERIALS, SIZE, LOCATION AND ELEVATION), STRUCTURE PLACEMENT, SURFACE MATERIAL AND FINISHED GRADING

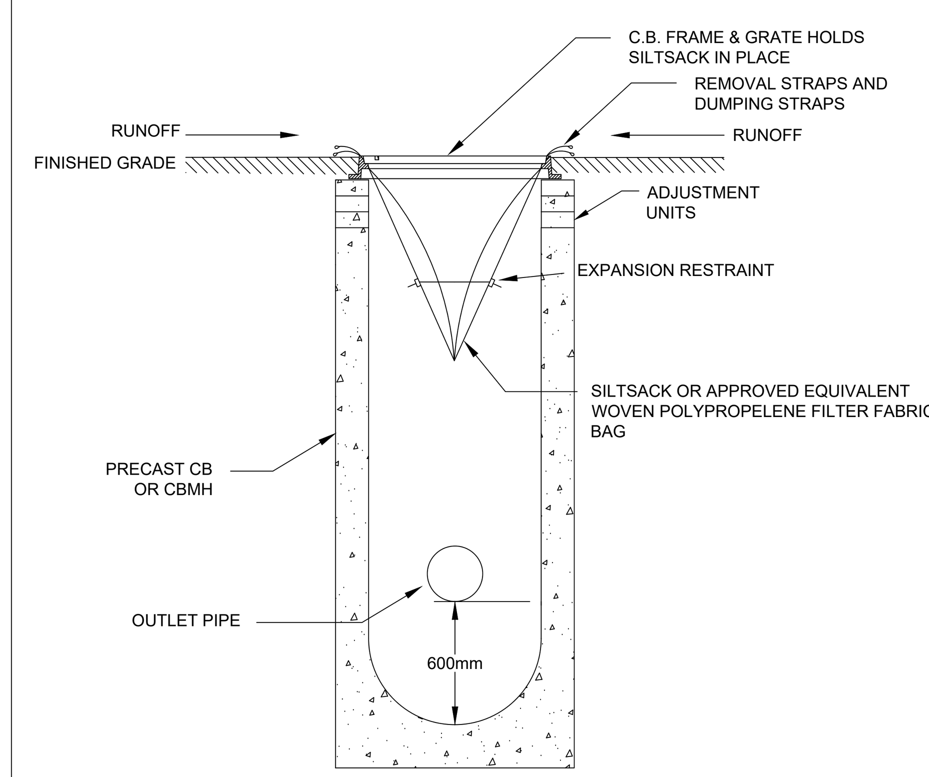
9.2. CONSTRUCTION WORKS WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRE FULL TIME INSPECTION.

9.3. CONSTRUCTION WORKS WITHIN PRIVATE LANDS ARE REQUIRED ON A PART TIME AND AS NEEDED BASIS.

9.4. FAILURE TO COMPLY WITH GRIT ENGINEERING INC. INSPECTION REQUIREMENTS, WILL RESULT IN ADDITIONAL CONSTRUCTION INSPECTION AND VERIFICATION AT THE EXPENSE OF THE CONTRACTOR.

TEMPORARY SILTSACK SILTATION CONTROL IN CB

N.T.S.

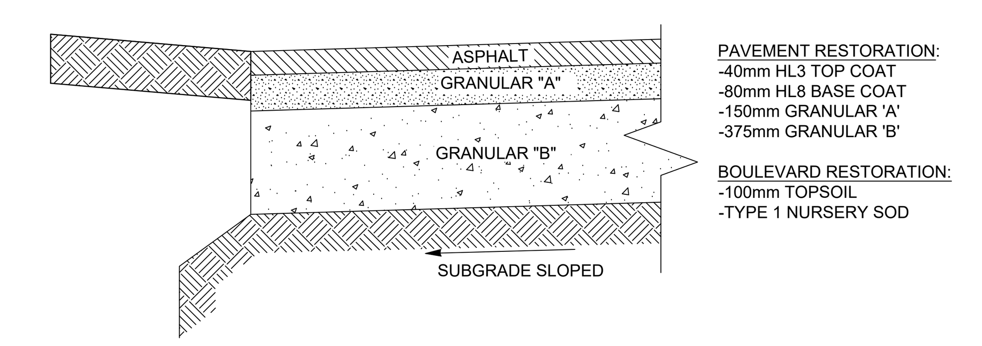


MAINTENANCE SCHEDULE

-INSPECT AFTER EVERY MAJOR RAIN EVENT.
-INSPECT EVERY 3 WEEKS MINIMUM.
-SILTSACK 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 INSERT 25mm REBAR INTO BOTH DUMPING STRAPS)

ELLIOTT STREET RESTORATION

N.T.S.

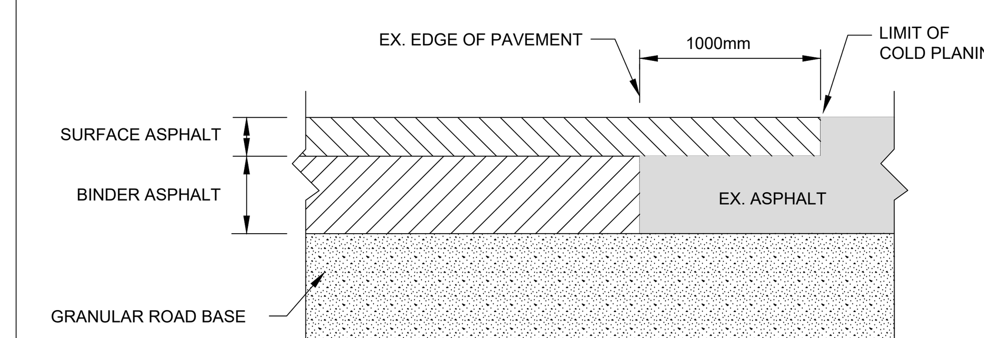


PAVEMENT RESTORATION:
-40mm HL3 TOP COAT
-80mm HL8 BASE COAT
-150mm GRANULAR 'A'
-375mm GRANULAR 'B'

BOULEVARD RESTORATION:
-100mm TOPSOIL
-TYPE 1 NURSERY SOD

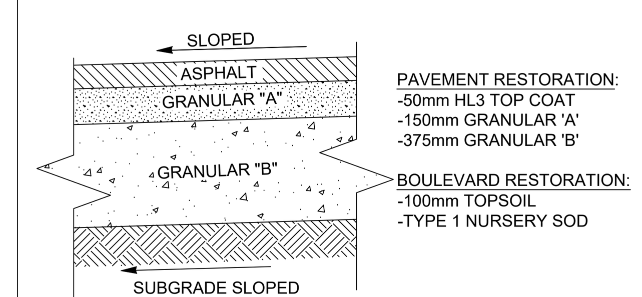
ASPHALT JOINT DETAIL

N.T.S.



PRIVATE PAVEMENT STRUCTURE

N.T.S.



PAVEMENT RESTORATION:
-50mm HL3 TOP COAT
-150mm GRANULAR 'A'
-375mm GRANULAR 'B'

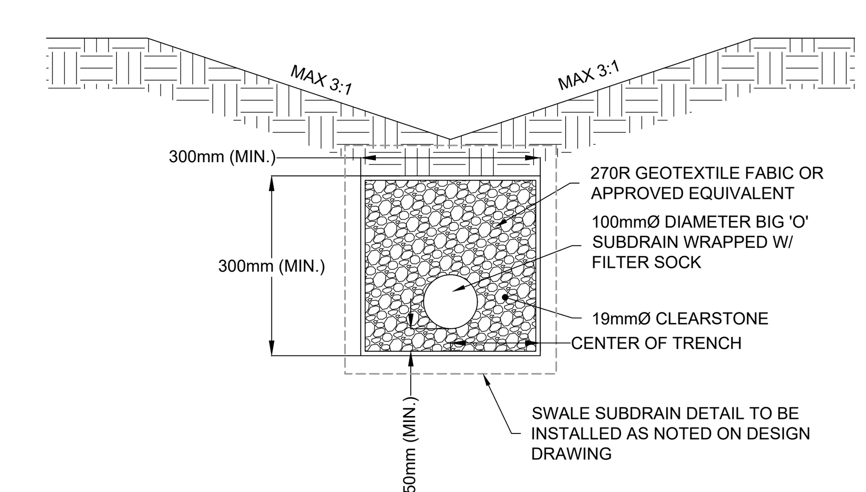
BOULEVARD RESTORATION:
-100mm TOPSOIL
-TYPE 1 NURSERY SOD

NOTE: PAVEMENT STRUCTURE RECOMMENDED AND TO BE VERIFIED ONSITE BY A QUALIFIED GEOTECHNICAL ENGINEER

ENHANCED GRASSED SWALE WITH SUBDRAIN

N.T.S.

NOTE: SWALE TO BE CONSTRUCTED TO ACHIEVE POSITIVE DRAINAGE



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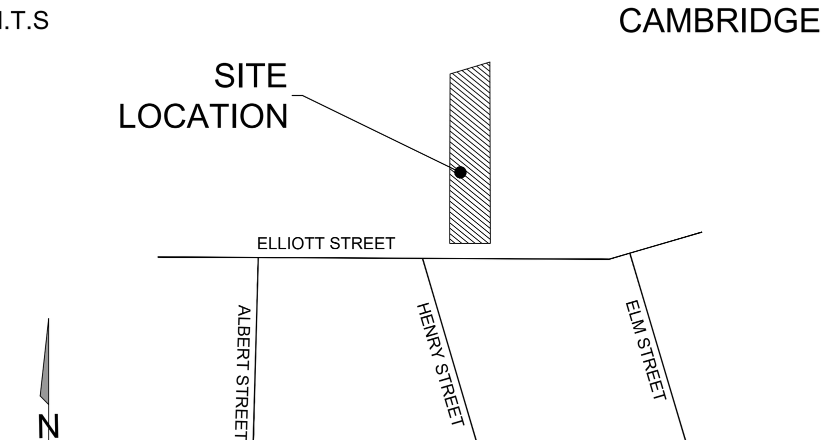
KEY PLAN
N.T.S

CITY OF CAMBRIDGE



CONTRACTOR NOTES:

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

ALL DRAWINGS SHALL REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION. DRAWING SHOULD NOT BE SCALED FOR DIMENSIONS PURPOSES.

THIS IS NOT A PLAN OF SURVEY AND SHALL NOT BE USE EXCEPT FOR THE PURPOSES INDICATED. BEARING AND DISTANCES SHOWN WERE DERIVED FROM PLAN OF SURVEY BY GUENTHER RUEB SURVEYING LTD. FILE NO B-2699

BENCHMARK (GEODETIC)

CONCRETE MONUMENT IN NORTH SIDE OF SIDEWALK OF CONCESSION STREET, TABLET IN TOP, 70cm FROM SOUTH EDGE OF SIDEWALK, 1.8m FROM CONCRETE RETAINING WALL NORTH SIDE OF SIDEWALK, 2.0m SOUTHWESTERLY FROM CONCRETE LAMP POST, 16.8m WEST OF WEST SIDE OF CENTRE STREET.

ELEVATION: 283.949

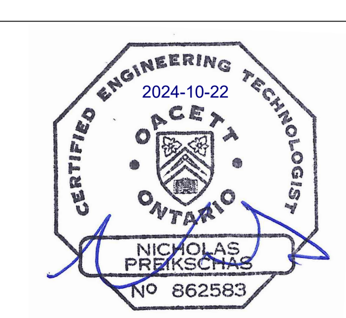
BENCHMARK (SITE)

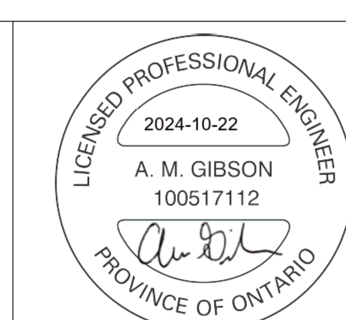
TOP NUT ON FIRE HYDRANT

ELEVATION: 287.716

No.	ISSUED DESCRIPTION	DATE (YYYY-MM-DD)
1	ISSUED FOR CLIENT REVIEW	2023-12-22
2	ISSUED FOR APPROVAL	2024-02-14
3	REISSUED FOR APPROVAL	2024-02-27
4	REISSUED FOR APPROVAL	2024-10-22
5	----	----
6		
7		
8		
9		

GRIT ENGINEERING INC





NEW RESIDENTIAL DEVELOPMENT

PROJECT INFORMATION: 36 ELLIOTT STREET, CAMBRIDGE, ONATRIO

DRYDEN, SMITH & HEAD PLANNING

CLIENT INFORMATION: 54 CEDAR STREET NORTH, KITCHENER, ONTARIO

DRAWING NAME:

NOTES AND DETAILS PLAN

PROJECT No: GE23-0527-1

SCALE: 1 : 500 METRIC

0 10 20 30

DRAWING No: C500

SHEET SET No: 3 OF 3