

**LEGEND**

- NEW BARRIER CURB
- NEW STORM MANHOLE
- NEW SANITARY MANHOLE
- NEW CATCHBASIN MANHOLE
- EX. STORM MANHOLE
- EX. SANITARY MANHOLE
- NEW CATCH BASIN
- EX. CATCH BASIN
- NEW WATER VALVE
- EX. WATER VALVE
- BACKFLOW PREVENTOR
- WATER METER
- NEW FIRE HYDRANT
- EX. FIRE HYDRANT
- OVERLAND FLOW PATH
- SIAMSE CONNECTION
- EX. SAN. EX. SANITARY SEWER
- EX. STM. EX. STORM SEWER
- EX. WAT. EX. WATER MAIN
- EX. STM. EX. STORM SEWER
- EX. SAN. EX. SANITARY SEWER
- EX. WAT. EX. WATER MAIN
- SILT FENCE PER CITY STD
- HYD. EX. HYDRO
- B. EX. BELL
- GAS. EX. GAS

**RESTORATION NOTES**

- GENERAL CONTRACTOR IS RESPONSIBLE FOR RESTORATIONS OF SITE AREA AT THE LOCATION OF NEW WATERMAIN CONSTRUCTION TRENCHES AND ALL OTHER SITE AREA DISTURBED DUE TO CONSTRUCTION ACTIVITIES TO ORIGINAL CONDITION OR BETTER.
- GRADED AREAS SHALL BE PROVIDED WITH 200mm OF TOPSOIL AND SOODED TO THE SATISFACTION OF THE OWNER. ALL THE COST ASSOCIATED WITH THIS TEMPORARY WORKS TO FACILITATE CONSTRUCTION ACTIVITIES AND RESTORATION OF THE DISTURBED AREA TO ORIGINAL AND/OR BETTER CONDITION MUST BE INCLUDED IN THE CONTRACT PRICE.

**SURVEY LEGEND**

- MH DENOTES MANHOLE
- BB " BELL BOX
- DR " DOOR MARK
- WP " WOODEN POLE
- FF " FLOOR FINISH
- CB " CATCH BASIN
- FH " FIRE HYDRANT
- WV " WATER VALVE
- CLS " CONCRETE LIGHT STANDARD
- O/H " OVERHEAD
- " DECIDUOUS TREE
- " CONIFEROUS TREE
- " CONCRETE
- " BRICK
- " GRAVEL

**GENERAL NOTES**

- PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE IN PLACE FROM THE CITY, REGION, CONSERVATION AUTHORITY AND OTHER EXTERNAL AGENCIES, AS REQUIRED.
- ALL THE CONSTRUCTION WORKS FOR THIS PROJECT SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF BURLINGTON, THE REGION OF HALTON, M.O.E., AND OPSD/OPSS. ONTARIO PROVINCIAL STANDARDS MAY BE USED WHERE NO OTHER STANDARD OR SPECIFICATION IS PROVIDED BY THE LOCAL CONCERNED AUTHORITIES.
- ALTERNATIVE MATERIALS MAY BE ACCEPTABLE, PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE CITY ENGINEER AND/OR THE REGIONAL COMMISSIONER OF PUBLIC WORKS.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL BOOK 7; TEMPORARY CONDITIONS FIELD EDITION.
- PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY, THE CONTRACTOR OR DEVELOPER WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE TOWN'S INFRASTRUCTURE GROUP.
- ANY AREAS WITHIN R.O.W. WHICH REQUIRE FILL IN EXCESS OF 0.30m ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS MUST SHOW A MIN. COMPACTION OF 100% SP. AT ALL DEPTHS.
- A UTILITY CLEARANCE RADIUS OF 1.2 METRES BETWEEN THE PROPOSED DRIVEWAY ENTRANCE CURB RETURN AND ALL ABOVE AND UNDER GROUND UTILITIES SHALL BE MAINTAINED THROUGHOUT THE PROJECT.
- THE SERVICE CONNECTION TRENCH WITHIN THE TRAVELED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ROAD OCCUPANCY / ACCESS PERMIT APPLICATION.
- ALL RESTORATIONS AND TRENCH BACKFILL SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY OF BURLINGTON AND THE REGION OF HALTON. ALL AREAS WITHIN PUBLIC RIGHT-OF-WAYS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. GRADED AREAS SHALL BE PROVIDED WITH 200mm OF TOPSOIL AND SOODED TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
- THE LOCATION OF ALL ABOVE / UNDER GROUND UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY CONSULTING THE CONCEALED UTILITY COMPANIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION.
- ALL DIMENSIONS, ELEVATIONS, SURVEY POINTS AND OTHER INFORMATION SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES FOUND MUST BE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO CONSTRUCTION AND MUST BE COORDINATED WITH THE CONCERNED AUTHORITY OF THE NECESSARY CHANGES.
- THE REMOVAL OF TREES REQUIRES THE APPROVAL OF PARKS, FORESTRY AND RECREATION DIVISION SUPERVISOR OF THE CITY/TOWN/REGION.
- ANY DAMAGE TO THE PROPERTIES ADJACENT TO THE CONSTRUCTION SITE SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL VERIFY AND REPORT ANY DISCREPANCIES FOUND BETWEEN THE MATERIAL AND DIMENSIONS SHOWN BETWEEN EXISTING AND LATEST STANDARD PAVEMENT STRUCTURE SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHOULD TAKE APPROPRIATE ACTION TO THE SATISFACTION OF THE CONCERNED AUTHORITY.
- MANHOLE AND VALVE CHAMBER COVERS ARE TO BE SET WITH BASE COURSE ASPHALT AND ADJUSTED TO FINAL GRADE PRIOR TO INSTALLING TOP LIFT OF ASPHALT.
- BLASTING IS NOT PERMITTED.
- INSULATE SEWERS AS PER OPSD 1109.030 AND WATERMANS AS PER REGION OF HALTON STANDARD RH 408.010 WHEREVER ORBERT OF SEWER IS LESS THAN 1200mm FROM FINISH GRADE AND WHEREVER OVERHEAD WATERMAIN IS LESS THAN 1700mm FROM FINISH GRADE, REGARDLESS IF IT IS MARKED. INSULATION THICKNESS INCLUDING SAND AND INSULATION BEDDING AND BACKFILL MATERIAL SHALL BE PER RECOMMENDATIONS PROVIDED BY PROJECT GEOTECHNICAL ENGINEER.

**WATERMAIN NOTES**

REGION OF HALTON STANDARD DRAWINGS AND O.P.S.D. WITH REGION'S AMENDMENTS FOR WATERMANS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT. UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING MINIMUM REQUIREMENTS SHALL APPLY TO THE WORKS.

- WATERMANS 150MM TO 300MM DIAMETER TO BE P.V.C. CL150 (DR-18) WITH GASKETED JOINTS.
- WATER SERVICE CONNECTIONS TO BE AS PER O.P.S.D. 1104.01. PIPE FOR ALL SERVICE CONNECTIONS UP TO 50MM DIA. SHALL BE TYPE K SOFT SERVICE TUBING.
- A MIN. HORIZONTAL SEPARATION OF 2.5M MUST BE MAINTAINED BETWEEN WATERMANS AND SANITARY OR STORM SEWERS, INCLUDING SERVICE LATERALS.
- A MIN. VERTICAL SEPARATION OF 0.15M BETWEEN WATERMANS AND SEWERS MUST BE MAINTAINED IF WATERMAIN IS INSTALLED ABOVE SEWER OR 0.50M IF SEWER IS ABOVE WATERMAIN.
- SEDDING REQUIREMENTS SHALL BE DETERMINED BY THE DEPTH OF BURY OF THE PIPE, SOIL TYPE AND TRENCH CONDITIONS BY PROJECT GEOTECHNICAL ENGINEER. AS A MINIMUM REQUIREMENT, WATERMAIN SHALL BE LAID ON 150 MM OF GRANULAR "A" BEDDING AND SHALL CONFORM TO OPSD 1109.030.
- BACKFILL SHALL BE 100% SPMOD BENEATH ROADS, SIDEWALKS, CURBS AND 95% SPMOD ELSEWHERE AND CONFORM TO OPSD 401 GRANULAR "B" TYPE I OR II OR SELECT NATIVE. LOOSE MATERIAL SHALL BE COMPACTED TO 95% SPMOD BEFORE SUBSEQUENT LAYER ARE PLACED. IN SPECIAL CONDITIONS, THE REQUIREMENTS OF THE LOCAL AREA MUNICIPALITY SHALL BE SATISFIED ON BACKFILL MATERIAL AND COMPACTION DENSITY.
- ALL HYDRANTS AS PER O.P.S.D. 1105.01 TO HAVE STEAMER CONNECTIONS. HYDRANTS TO BE SUPPLIED WITH TWO (2) 63.5MM (2 1/2") WITH CSA STANDARD THREAD, 63.5MM I.D., 79.4 O.D., 5 THREADS PER 23MM, 31.75MM SQUARE OPERATING NUT, AND ONE (1) 100MM (4") STORZ PUMPER CONNECTION AS PER CAN/ULC 45-520, 31.75MM SQUARE OPERATING NUT, AND STORZ CAP PAINTED GLOSS BLACK.
- HYDRANTS SHALL BE INSTALLED SUCH THAT THE ROD STEM LENGTH SHALL NOT EXCEED 1.7M MEASURED FROM THE BREAK-OFF FLANGE. IF HYDRANT BARREL LENGTH EXCEEDS 1.7M THEN A HYDRANT THAT CAN BE RAISED FROM THE BOTTOM WITHOUT INCREASING ROD LENGTH IS TO BE USED.
- ALL METALLIC WATERMANS, FITTINGS, HYDRANTS AND RESTRAINTERS TO HAVE CATHODIC PROTECTION IN ACCORDANCE WITH REGION OF HALTON STANDARD DRAWINGS RH 420.01 AND RH 420.02.
- ALL SACRIFICIAL ANODES SHALL CONFORM TO ASTM B-418 TYPE II AND SHALL BE MADE OF HIGH GRADE ELECTROLYTIC ZINC, 99.99% PURE.
- ANODE INSTALLATION IS NOT REQUIRED WITHIN VALVE-CHAMBERS, DRAIN CHAMBERS OR AIR RELEASE CHAMBERS.
- ALL WELD CONNECTIONS TO BE COATED WITH TIO MASTIC OR APPROVED EQUIVALENT.
- FOR ALL ANODES CONNECTED TO NEW PIPE, FITTINGS OR TO EXISTING METALLIC WATERMANS, A CATHODE AND CA-15 OR EQUIVALENT CARTRIDGE SHALL BE USED. ANODE INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- WHERE NEW PIPE IS TO BE CONNECTED TO EXISTING DUCTILE IRON OR CAST IRON PIPE A 14.5KG MAGNESIUM ANODE IS TO BE CONNECTED TO THE FIRST ANODE AS PER REGION OF HALTON STANDARD DRAWING RH 420.01.
- ALL VALVES TO OPEN LEFT (COUNTER-CLOCKWISE) AND SHALL HAVE SOME STANDARD ANWA OPERATING NUT.
- ALL PLUGS, CAPS, TEES, AND BENDS SHALL BE MECHANICALLY RESTRAINED AS PER MANUFACTURERS SPECIFICATIONS. RESTRAINTS SHALL MEET ULS-102.
- WHERE WATERMAIN IS PLACED IN FILL OR IN PREVIOUSLY DISTURBED GROUND ALL JOINTS TO BE MECHANICALLY RESTRAINED.
- MINIMUM DEPTH OF COVER OVER WATERMAIN SHALL BE 1.70M MEASURED FROM THE ROAD CENTERLINE ELEVATION.
- THE DEPTH OF WATER SERVICES AT PROPERTY LINE SHOULD BE A MINIMUM OF 1.7M AND A MAXIMUM OF 2.0M. THE DISTANCE BETWEEN THE GROUND ELEVATION AND THE TOP OF THE ROD SHOULD BE BETWEEN 0.5M AND 1.0M.
- WATER SERVICES CROSSING THE STORM SEWER TO HAVE MIN. 1.20M OF COVER. WHERE THIS CANNOT BE ACHIEVED, WATER SERVICE IS TO CROSS UNDER STORM SEWER.
- GATE VALVES CONFORMING TO A.W.W.A. C500 STANDARDS ARE REQUIRED ON WATERMANS 300MM AND UNDER. LINE GATE VALVES SHALL HAVE AUGER OF STEEL TYPE VALVE BOXES.
- ALL WATERMAIN FITTINGS SHALL HAVE MECHANICAL JOINTS.
- VERTICAL AND HORIZONTAL ALIGNMENT OF WATERMAIN TO BE ACHIEVED BY DEFLECTION OF JOINTS AS PER MANUFACTURERS SPECIFICATIONS. DEFLECTION IN THE BARREL IS NOT PERMITTED.
- TRACER WIRE IS TO BE INSTALLED ON ALL NEW INSTALLATIONS OF PVC WATERMAIN PIPE FOR LOCATING PURPOSES. A SOLID TO GRADE TRACER WIRE IS TO BE INSTALLED ALONG THE PIPE, STRAPPED TO THE PIPE AT 6 METER INTERVALS. JOINTS IN THE WIRE BETWEEN VALVES ARE NOT PERMITTED.
- THE INSPECTOR MAY TEST THE TRACER WIRE FOR CONDUCTIVITY. IF THE TRACING WIRE IS NOT CONTINUOUS FROM VALVE TO VALVE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE WIRE.
- ALL WATER CUSTOMERS SUPPLIED BY A WATERMAIN TO BE SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS IN ADVANCE OF THE SHUT DOWN AS PER REGION OF HALTON SPECIFICATIONS. NOTIFICATION SHALL TAKE PLACE UNDER THE ENGINEER'S DIRECTION.
- OPERATION OF EXISTING WATERMANS SHALL BE BY REGION OF HALTON STAFF ONLY.

**EROSION AND SEDIMENT CONTROL**

- ALL CONTROL MEASURES MUST CORRESPOND TO THE LATEST EROSION AND SEDIMENT CONTROL STANDARDS PROVIDED BY THE CITY OF BURLINGTON AND THE REGION OF HALTON. STANDARDS PROVIDED IN THE "EROSION & SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION" DECEMBER 2006 SHALL GOVERN WHERE NO OTHER STANDARD OR SPECIFICATION IS PROVIDED BY THE LOCAL CONCERNED AUTHORITIES.
- SILT CONTROLS ARE TO BE IN PLACE PRIOR TO THE START OF SITE WORKS, AND BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
- SEMENT BARRIERS, CHECK DAMS, AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER. UNLIT AREA ARE UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY/TOWN/REGION.
- IF NECESSARY TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
- THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
- ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
- IF NECESSARY TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
- SEMENT CONTROL FENCE TO BE AS PER OPSD 219.110.
- STONE PAD CONSTRUCTION ENTRANCE TO BE AS PER TYPICAL MID MAT DETAIL PROVIDED ON THIS SET OF DRAWING. CONTRACTOR SHALL DETERMINE LOCATION OF CONSTRUCTION ENTRANCE IN CONSULTATION WITH THE CITY INSPECTOR.
- ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
- ALL TPOSION STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING. CONTRACTOR SHALL DETERMINE LOCATION OF STOCKPILES IN CONSULTATION WITH THE CITY INSPECTOR.
- FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOLLIVARDS ARE SOODED OR BACKWARDS GRADED AND SOODED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIB 270R OR APPROVED EQUIVALENT.
- FILTER CLOTH MUST BE PLACED ON THE CATCHBASIN ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE.
- STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY/TOWN/REGION.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY DITCHES AND OVERLAND FLOW PATHS DURING AND AFTER CONSTRUCTION ALONG ALL PROPERTY LINES (LIMITS OF CONSTRUCTION) WITH POSITIVE SLOPE TOWARDS THE SAFE OUTLET LOCATION. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING THESE DITCHES IN PROPER WORKING CONDITION AT ALL TIMES DURING CONSTRUCTION TO RESTRICT RUNOFF FROM ENTERING INTO THE ADJOINING PROPERTIES/OUTSIDE CONSTRUCTION LIMITS AND ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE ADJOINING PROPERTIES.

**DRAWING NOTES**

- REFER TO SITE PLAN AND/OR DEMOLITION PLAN FOR ALTERATION TO THE EXISTING BUILDINGS, CURBS, SIDE WALKS, FIRE ROUTES, DRIVEWAYS, PARKING, ETC.
- REFER TO SITE PLAN AND/OR GEO-TECHNICAL REPORT FOR ASPHALT AND ALL OTHER PAVEMENT STRUCTURE RECOMMENDATIONS.
- REFER TO LANDSCAPE DRAWINGS FOR TOPSOIL THICKNESS IN GRASS/SOD AREAS AND OTHER LANDSCAPE ISLANDS ON PRIVATE PROPERTY.
- CONTRACTOR IS RESPONSIBLE TO FLUSH THE EXISTING AND PROPOSED STORM AND SANITARY SYSTEM ON ENTIRE SITE AT THE COMPLETION OF CONSTRUCTION TO THE SATISFACTION OF GOVERNING AUTHORITY PRIOR TO FINAL CERTIFICATION.
- CONTRACTOR IS RESPONSIBLE FOR FLUSHING, DISINSECTING AND TESTING OF DOMESTIC WATER AND FIRE MAINS AS OUTLINED IN B.C. AND MPA 13 AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL GOVERNING AUTHORITY STANDARDS.
- CONTRACTOR IS RESPONSIBLE TO MAKE COMPLETE ARRANGEMENTS WITH THE GOVERNING AUTHORITIES FOR INSPECTIONS, AND PAY ALL FEES AND CHARGES TO INSTALL WATER MAINS INCLUDING SERVICE CONNECTIONS AS SHOWN ON THIS SET OF DRAWINGS.

**ADDITIONAL DRAWING NOTES**

- THIS DEVELOPMENT APPLICATION PROPOSES MINOR ALTERATION TO THE EXISTING PRIVATE NETWORK OF WATERMANS AND A NEW FIRE SERVICE CONNECTION AS SHOWN IN THIS DRAWING.
- THIS DEVELOPMENT APPLICATION DOES NOT PROPOSE ANY ALTERATION TO THE EXISTING PRIVATE NETWORK OF STORM AND SANITARY SEWER (OR PRIVATE AS-BUILT SITE SURVEY SHOWING ALL TOPOGRAPHY AND INVERT ELEVATIONS) AND TO PREPARE AS-BUILT SITE GRADING AND SITE SERVICING DRAWINGS AFTER COMPLETION OF WORK. DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL BEFORE FILING WITH THE CITY INSPECTOR.
- CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY APPROVALS FROM THE LOCAL GOVERNING AUTHORITY STANDARDS INCLUDING BUT NOT LIMITED TO MUNICIPAL RECORDS, SITE LOCATED, SURVEY DRAWING AND EXISTING SCHOOL DRAWINGS THAT IS APPROXIMATE AND IS FOR PLANNING AND DESIGN PURPOSES ONLY.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO THE SAME.
- CONTRACTOR IS RESPONSIBLE FOR AS-BUILT SITE SURVEY SHOWING ALL TOPOGRAPHY AND INVERT ELEVATIONS AND TO PREPARE AS-BUILT SITE GRADING AND SITE SERVICING DRAWINGS AFTER COMPLETION OF WORK. DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL BEFORE FILING WITH THE CITY INSPECTOR.
- CONTRACTOR IS RESPONSIBLE FOR ALL KIND OF SHORING/WIDE TRENCH EXCAVATION AND/OR ANY OTHER MEANS OF CONSTRUCTION PROCEDURE/TEMPORARY WORKS AS REQUIRED FOR THE CONSTRUCTION OF DEEP SEWERS/WATERMAIN/STRUCTURES AS SHOWN ON THIS SET OF DRAWINGS. ALL THE COST ASSOCIATED WITH THIS TEMPORARY WORKS AND RESTORATION OF THE DISTURBED AREA TO ORIGINAL AND/OR BETTER CONDITION PER THE GOVERNING AUTHORITY STANDARDS MUST BE INCLUDED IN THE CONTRACT PRICE.
- CONTRACTOR IS RESPONSIBLE TO COLLECT INSPECTION AND TEST REPORTS FOR INSTALLATION OF SEWERS/WATERMANS/STRUCTURES INCLUDING COMPACTION AND MATERIAL TEST REPORTS FOR BEDDING AND BACKFILLING FROM FIELD VIEW CONSULTANT. CONTRACTOR MUST PROVIDE THIS REPORTS TOGETHER WITH PHOTOGRAPHIC EVIDENCE OF EACH STAGE OF THE CONSTRUCTION TO THE DESIGN ENGINEER PRIOR TO PLACEMENT OF FINISH COURSE ASPHALT.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO 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.

TOPOGRAPHIC SKETCH OF PART OF PAULINE JOHNSON PUBLIC SCHOOL CITY OF BURLINGTON REGIONAL MUNICIPALITY OF HALTON

**ELEVATION NOTE**  
ELEVATIONS ARE GEODETIC AND ARE DERIVED FROM THE CITY OF BURLINGTON BENCHMARK No.180. PUBLISHED ELEVATION = 99.314 metres.

**SURVEYOR'S NOTE**  
UNDERGROUND SERVICE LOCATIONS/INVERTS PROVIDED BY URBAN-X LOCATES PROJECT No. 134500. LOCATES MUST BE VERIFIED PRIOR TO CONSTRUCTION. TOPOGRAPHIC OBSERVATIONS SHOWN HEREON COMPLETED ON MAY 19, 2021.

**SURVEY INFORMATION NOTE**  
REFER TO TOPOGRAPHIC SURVEY DRAWING AND REAL PROPERTY REPORT PREPARED BY SPEIGHT, VAN NOSTRAND & GIBSON LIMITED INCLUDING LAND SURVEYORS, O.L.S. JOB # 2011-0124, FOR SURVEY INFORMATION INCLUDING BEARING AND BENCHMARK DETAILS.

**NOTE:**

- MUD MAT TO BE INSTALLED AT THE TEMPORARY CONSTRUCTION ACCESS LOCATION.
- EXACT LOCATION OF TEMPORARY CONSTRUCTION ACCESS WILL BE FINALIZED ON SITE AFTER APPOINTMENT OF CONTRACTOR AND PER INSTRUCTION OF THE CITY INSPECTOR.

**MUD MAT DETAIL (N.T.S.)**

**NOTE:**

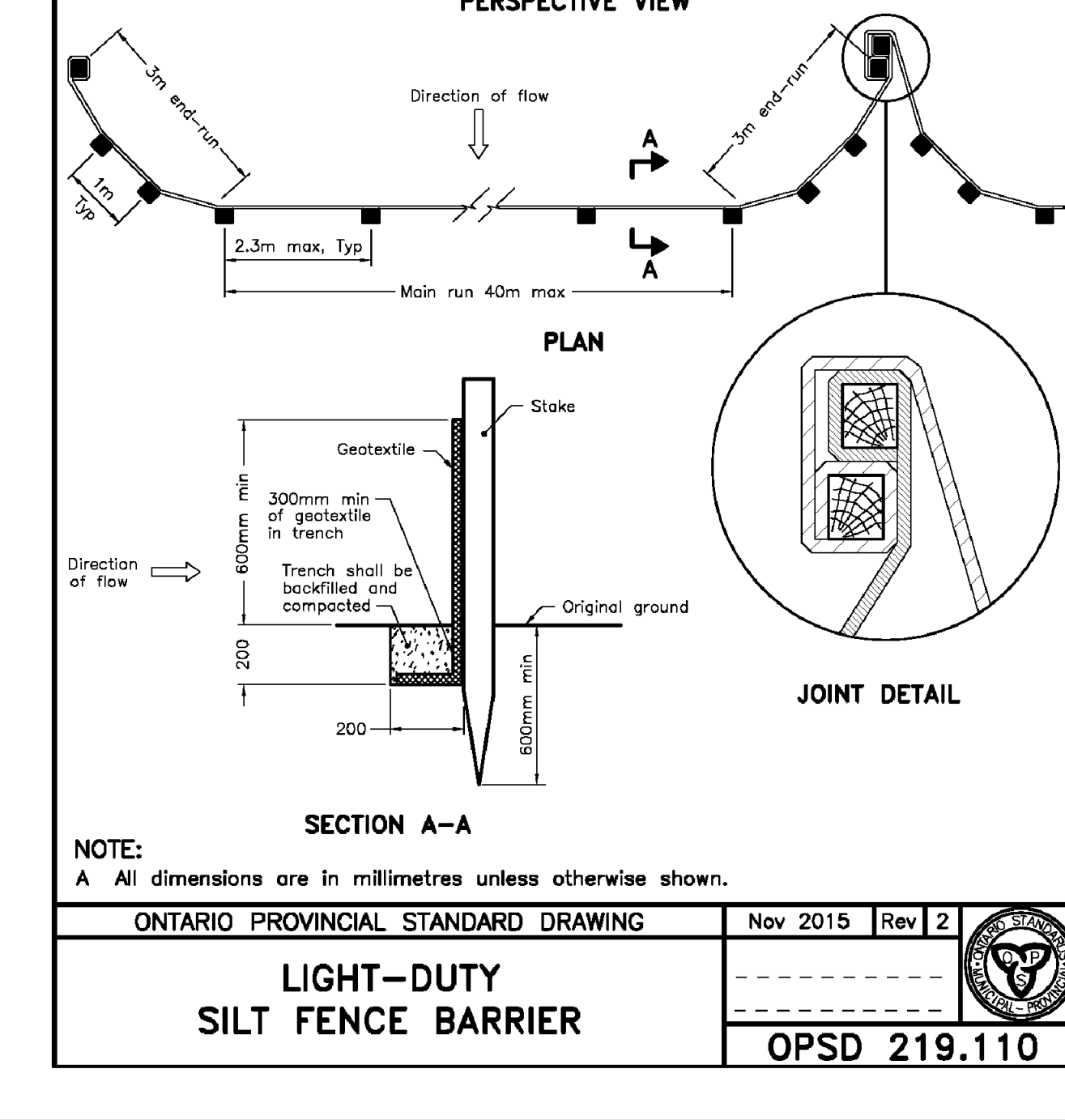
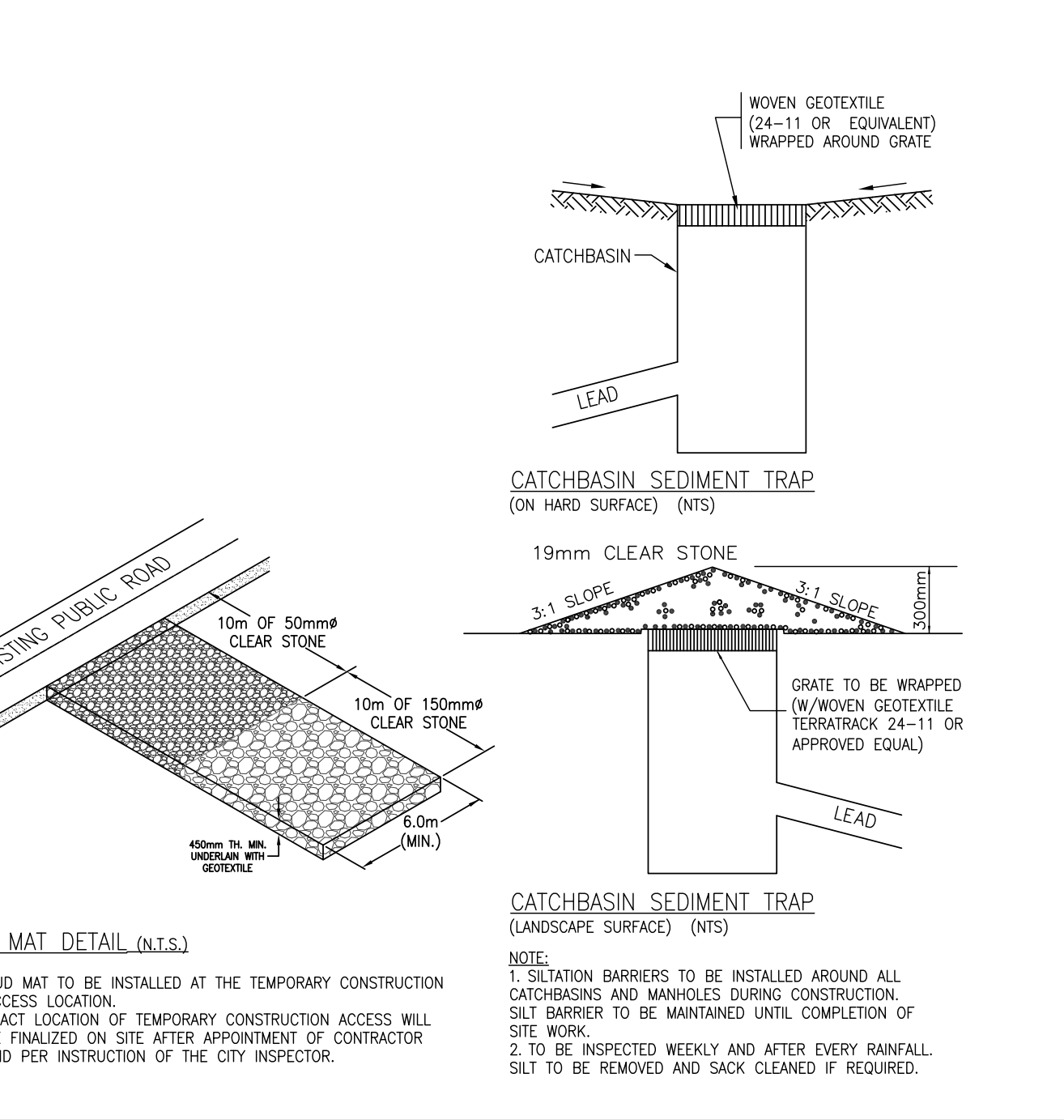
- SILTATION BARRIERS TO BE INSTALLED AROUND ALL CATCHBASINS AND MANHOLES DURING CONSTRUCTION. SILT BARRIER TO BE MAINTAINED UNTIL COMPLETION OF SITE WORK.
- TO BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL. SILT TO BE REMOVED AND SACK CLEANED IF REQUIRED.

**SCALE 1 : 250**

0 5 10 15 20 METRES

**TRUE NORTH**

**PROJECT NORTH**

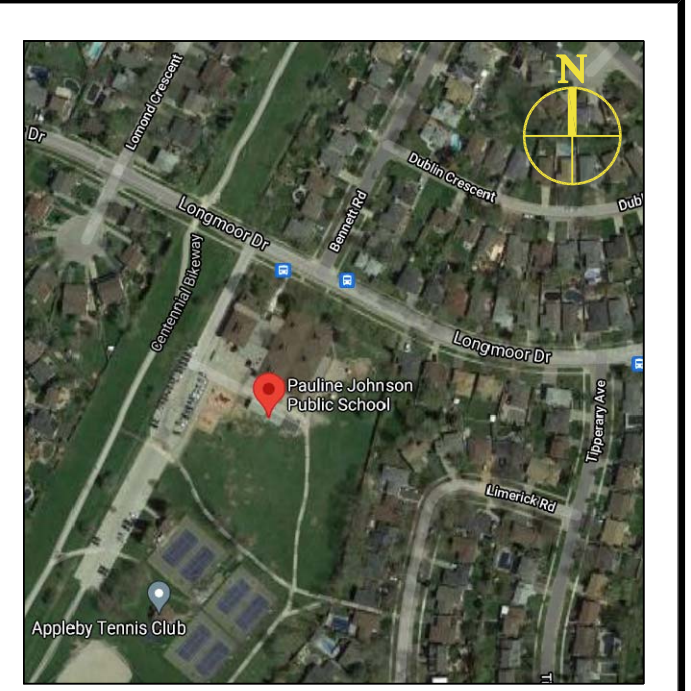


**NOTE:**  
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2

**LIGHT-STANDARD SILT FENCE BARRIER**

OPSD 219.110



**KEY MAP:**

BASE INFORMATION TAKEN FROM DRAWING(S) BY OTHERS. FLORA DESIGNS INC. DOES NOT ASSUME ANY RESPONSIBILITY FOR ERRORS, OMISSIONS OR ACCURACY OF THE INFORMATION. DRAWINGS SHALL ONLY BE USED FOR GUIDELINE PURPOSES.

DATE	DESCRIPTION	CHECKED BY
JUN 14, 2021	ISSUED FOR PERMIT APPLICATION	2. CP
JUN 02, 2021	ISSUED FOR PERMIT APPLICATION	1. CP

Revisions:

NOTE: Contractor is to check and verify all dimensions and conditions on the project, and is immediately report any discrepancies to the Architect and Engineer before proceeding with the work.

**FLORA DESIGNS INC.**  
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**PROFESSIONAL ENGINEER**  
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PROVINCE OF ONTARIO

**HALTON DISTRICT SCHOOL BOARD**

PROJECT: PAULINE JOHNSON PUBLIC SCHOOL

4350 LONGMOOR DRIVE, BURLINGTON, ON

DRAWING TITLE: PARTIAL SITE SERVICING PLAN (NEW FIRE SERVICE CONNECTION)

JOB NUMBER: FD-021425  
SCALE: AS NOTED  
SHEET NUMBER: SS-1

Drawn By: AG  
Checked By: CP

MODIFIED: Jun 02, 2021. CREATED: May 04, 2021. EXIST. STATE: TABLE FD-SS-SC-04B  
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