

CONSTRUCTION NOTES AND SPECIFICATIONS

- GENERAL**

 - 1.1. THESE PLANS ARE NOT FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
 - 1.2. THESE PLANS ARE TO BE USED FOR SERVING AND GRADING ONLY; ANY OTHER INFORMATION SHOWN IS FOR ILLUSTRATION PURPOSES ONLY. THESE PLANS MUST NOT BE USED TO SITE THE PROPOSED BUILDING.
 - 1.3. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.
 - 1.4. THESE PLANS ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF MTE CONSULTANTS INC.
 - 1.5. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:
 - 1.5.1. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDES BUT IS NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.
 - 1.5.2. OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.
 - 1.6. VERIFY THAT THE FINISHED FLOOR ELEVATIONS (WHICH MAY APPEAR ON THIS PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
 - 1.5.3. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
 - 1.6. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO EXISTING WORK OR THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO LOCAL MUNICIPALITY STANDARDS
 - 1.7. ALL WORKS ON A MUNICIPAL RIGHT-OF-WAY WITH THE EXCEPTION OF WATERMAIN TAPPING, TO BE INSTALLED BY THE OWNER'S CONTRACTOR AT OWNERS RISK. IN ACCORDANCE WITH THE LOCAL MUNICIPALITY'S "PROCEDURE FOR OFF-SITE WORKS BY PRIVATE CONTRACTOR", THE OWNER AND CONTRACTOR ARE TO ENSURE OFF-SITE WORKS PERMIT IS IN PLACE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL AFFECTED PROPERTY TO ORIGINAL CONDITION. ALL ROAD AREAS SHALL BE RESTORED WITH 150mm² TOPSOIL AND SOD.
 - 1.8. 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.
 - 1.9. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REQUIRE. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
 - 1.10. PLAN TO BE READ IN CONJUNCTION WITH MTE DRAWINGS C101, C102 AND THE FUNCTIONAL SERVING REPORT PREPARED BY MTE CONSULTANTS INC.
 - 1.11. SITE PLAN INFORMATION TAKEN FROM PLAN PREPARED BY ROA STUDIO INC., DATED OCTOBER 3, 2024.
 - 1.12. EXISTING TOPOGRAPHIC AND LEGAL INFORMATION TAKEN FROM PLAN PREPARED BY McCAULLEY, WHITNEY & MUIR, NO. DATED SEPTEMBER 19, 2017. MTE ASSUMES THAT ALL TOPOGRAPHICAL INFORMATION IS AN ACCURATE REPRESENTATION OF CURRENT CONDITIONS.
 - 1.18. CONTRACTOR TO OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER PRIOR TO ENTERING UPON NEIGHBOURING LANDS. ANY UNDERTAKE ANY WORK CORPSES OF THESE LETTERS OF CONSENT SHALL BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT CONTRACTOR'S OWN RISK.
 - 1.19. SITE SERVING CONTRACTOR TO TERMINATE ALL SERVICES 1 METRE FROM FOUNDATION WALL.
 - 1.20. FILTER FABRIC TO BE TERRAFIX 270R OR FLIPPED EQUAL.
 - 1.21. MAXIMUM GRASSDED SLOPE TO BE 3:1. SLOPES GREATER THAN 3:1 TO BE LANDSCAPED WITH LOW MAINTENANCE GROUND COVER.
 - 1.22. SIDE SLOPES OF ALL STOCKPILES OR EXTRACTION FACES TO BE MAINTAINED AT 70 DEGREES OR LESS BETWEEN EARLY APRIL AND LATE AUGUST TO DETER BANK SWALLOWS FROM NESTING.
 - 1.23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING TRAFFIC LIGHTS, INSTALLATION AND MOVEMENT OF ALL TRAFFIC SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE LOCAL MUNICIPALITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - 1.24. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED BY THESE LETTERS OF CONSENT. DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
 - 1.25. CONTRACTOR TO MAINTAIN A "CONFINED TRENCH CLOSURE" IN ALL SEWER AND SERVICE TRENCHES.
 - 1.26. FOLLOWING COMPLETION OF PROPOSED WORKS AND PRIOR TO OCCUPANCY INSPECTION, ALL STORM AND SANITARY SEWERS TO BE FLUSHED, AND CATCHBASIN AND CATCHBASIN MANHOLE SUMPS ARE TO BE CLEANED OF DEBRIS AND SILT.

2. STORM SEWERS

 - 2.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030, 802.031, OR 802.032. PIPE BEDDING FOR FLEXIBLE PIPE AS PER OPSD 802.030, 802.031, OR 802.032. BEDDING MATERIAL TO BE GRANULAR "A", TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 - 2.2. STORM SEWERS 200mm² TO 375mm² SHALL BE POLYVINYL CHLORIDE (PVC) PIPE PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.
 - 2.3. MANHOLES AND MANHOLE CATCHBASINS TO BE 1200mm² PRECAST WITH ALUMINUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.
 - 2.4. CATCHBASINS TO BE 600mm² SQUARE PRECAST AS PER OPSD 701.010.
 - 2.5. ALL STORM STRUCTURES TO HAVE A MINIMUM 600mm² DEEP SUMP. WHEN THE STRUCTURE INCLUDES THE INSTALLATION OF A SHOUT (OR APPROVED EQUIVALENT) THE SUMP DEPTH TO BE MIN 2.5 TIMES THE OULTED PIPE DIAMETER SIZE.
 - 2.6. MANHOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.
 - 2.7. STORM MANHOLE LIDS TO BE PER OPSD 401.010 – TYPE 'A' CATCHBASIN AND CATCHBASIN MANHOLE GRATES TO BE PER OPSD 400.100. DITCH INLET CATCHBASIN GRATES TO BE PER OPSD 403.010.
 - 2.8. ADJUSTMENT UNITS FOR STORM STRUCTURES TO BE IN ACCORDANCE WITH OPSD 704.010 OR 704.011.
 - 2.9. STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.50m COVER TO TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE IN ACCORDANCE WITH THE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS.
 - 2.10. UNDER NO CIRCUMSTANCES SHALL THE BUILDING FOUNDATION DRAINS BE CONNECTED DIRECTLY TO THE STORM SEWER SYSTEM.
 - 2.11. ALL WEEPING TILE DRAINAGE TO BE PUMPED TO THE STORM SEWER SYSTEM.

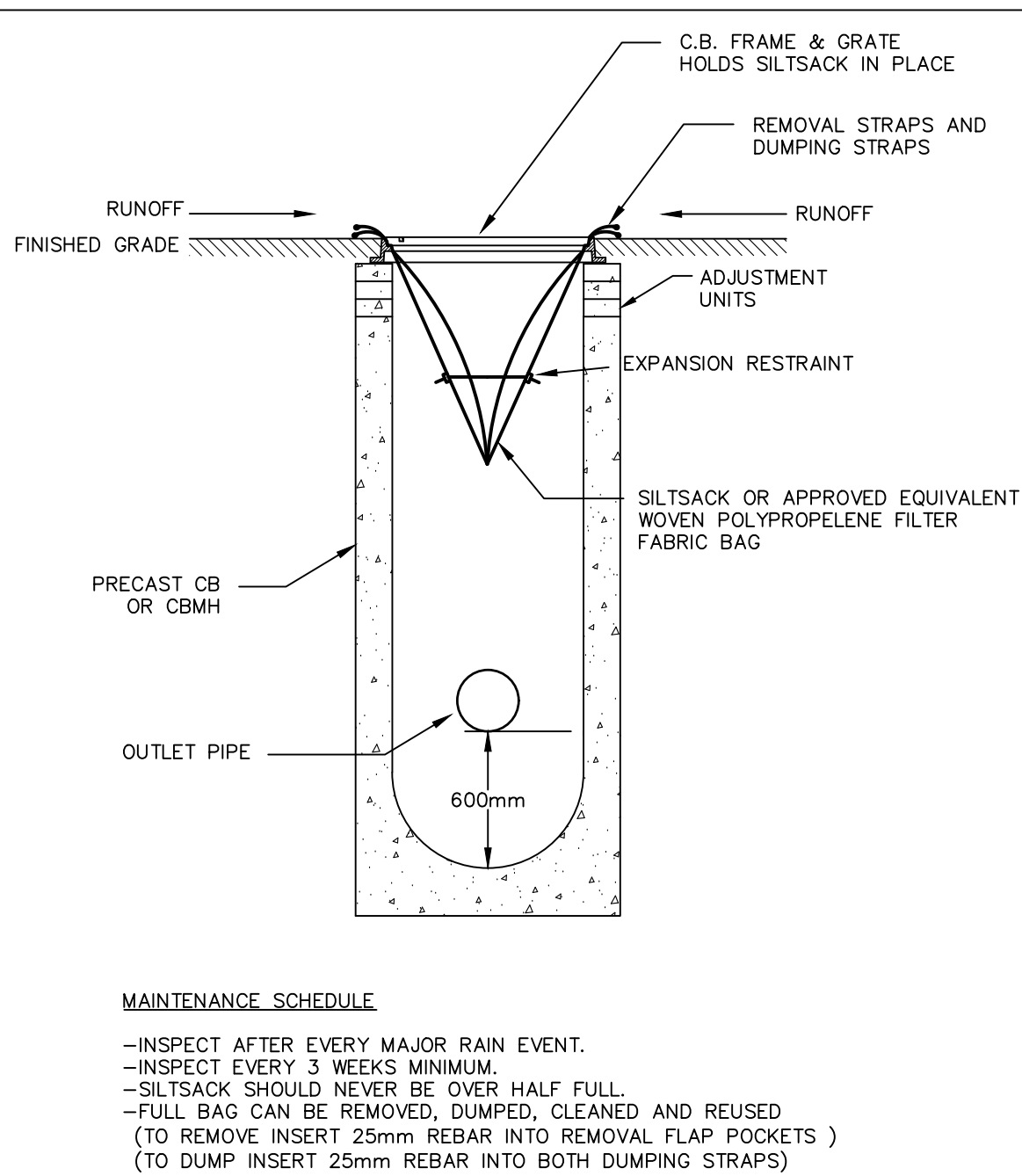
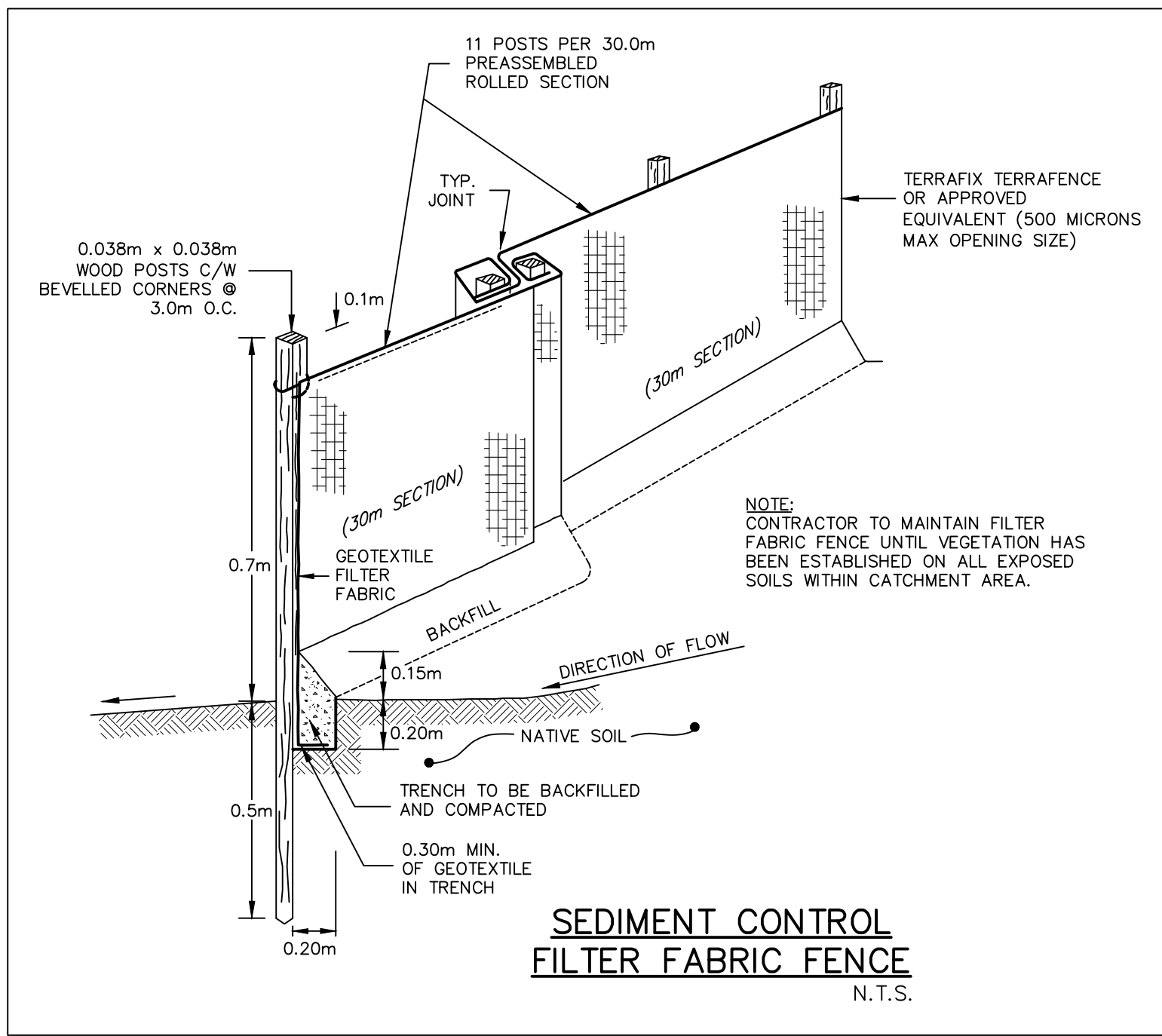
3. SANITARY SEWERS

 - 3.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030, PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.030, 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 DENSITY.
 - 3.2. SANITARY SEWERS 200mm² TO 600mm² INCLUSIVE SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR35 ASTM-D3034 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.
 - 3.3. MANHOLES TO BE 1200mm² PRECAST WITH ALUMINUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.
 - 3.4. MANHOLES TO BE BENCHED PER OPSD 701.021.
 - 3.5. SANITARY MANHOLE LIDS TO BE PER OPSD 401.010 – TYPE 'A'.
 - 3.6. MANHOLE FRAMES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.
 - 3.7. ADJUSTMENT UNITS FOR SANITARY STRUCTURES TO BE IN ACCORDANCE WITH OPSD 704.010 OR 704.011.
 - 3.8. SANITARY SEWERS AND SERVICES TO HAVE MINIMUM 1.50m COVER ON TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH THE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS.
 - 3.9. CONTRACTOR RESPONSIBLE FOR TESTING OF SANITARY SEWERS IN ACCORDANCE WITH OPSD 410.

4. WATERMAINS

 - 4.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030, PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.030, 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 DENSITY.
 - 4.2. WATERMAINS 100mm² AND LARGER SHALL BE PVC C900 CLASS 150 INSTALLED WITH MINIMUM 2.0 METRES OF COVER. FITTINGS 100mm² AND LARGER SHALL BE PVC CLASS 150 (DR18) CSA B137.3.
 - 4.3. WATER SERVICES 50mm² AND SMALLER SHALL BE TYPE 'K' SOFT COPPER.
 - 4.4. SERVICES TO CONNECT TO PROPOSED BUILDING AS PER CITY OF BRANTFORD STANDARD DWG. W-100B.
 - 4.5. PVC DR18 PIPE FOR WATERMAINS SHALL BE DELIVERED TO SITE WITH BOTH ENDS CAPED. CONTRACTOR TO BE RESPONSIBLE TO ENSURE CAPS REMAIN ON PIPE UNTIL THE TIME OF INSTALLATION.
 - 4.6. WATERMAIN FITTINGS TO BE SUPPLIED WITH MECHANICAL JOINT RESTRAINTS. FOR WATERMAIN PIPE SIZES 150mm² OR LESS ALL PIPE JOINTS TO BE RESTRAINED WITHIN 5.0m FROM ALL FITTINGS. IN EACH DIRECTION, UNLESS SHOWN OTHERWISE, ON THE CONTRACT DRAWINGS FOR WATERMAIN PIPE SIZES GREATER THAN 150mm² ALL PIPE JOINTS TO BE RESTRAINED WITHIN 10.0m FROM ALL FITTINGS, IN EACH DIRECTION, UNLESS SHOWN OTHERWISE ON THE CONTRACT DRAWINGS. ALL TEES TO HAVE MINIMUM 2.0m² SOLID PIPE LENGTH ON EACH RUN OF THE TEE, OR PROVIDE A THRUST BLOCK PER OPSD 1103.010.
 - 4.7. ALL METALLIC FITTINGS (EXCLUDING CURB/MAIN STOP AND BRASS FITTINGS) AND APPURTENANCES INCLUDING SADDLES, VALVES, TEES, BENDS ETC. ARE TO BE WRAPPED WITH AN APPROVED PROTECTIVE FILM SYSTEM CONSISTING OF PASTE, MASTIC AND TAPE. PARTICULAR ATTENTION SHALL BE PAID TO ANODE INSTALLATION. CONTRACTOR TO REFER TO THE MOST RECENT EDITION OF THE LOCAL MUNICIPALITY'S MUNICIPALITIES DESIGN GUIDELINES AND SUPPLEMENTAL SPECIFICATIONS FOR MUNICIPAL SERVICES.
 - 4.8. CATHODIC PROTECTION MUST BE PROVIDED FOR ALL CURB STOPS, MAIN STOPS, AND SADDLES LESS THAN 38mm² WITH 5.5kg ANODES. CATHODIC PROTECTION MUST BE PROVIDED FOR ALL WATER SERVICES, CURB STOPS, MAIN STOPS, AND SADDLES GREATER THAN 38mm² WITH 11kg ANODES.
 - 4.9. WATERMAIN VALVES 100mm² AND LARGER SHALL BE AS PER AWWA C508 – AUST C1260-23 OR APPROVED EQUIVALENT (OPEN LEFT) INCLUDING VALVE BOX AND 2.5kg ANODE INCLUDING ANODE PROTECTION INSTALLED PER LOCAL MUNICIPALITY STANDARDS.
 - 4.10. PVC WATERMAIN SHALL HAVE TWO STRANDED COPPER, AWG#8 TRACER WIRE STRAPPED TO TOP AT 3 METRE INTERVALS. TRACER WIRE TO BE INSTALLED TO THE SURFACE AT ALL HYDRANTS AND INSTALLED INSIDE A TEST BOX BEHIND THE HYDRANT AS PER CITY OF BRANTFORD STANDARD DWG. W-504-A AND W-504-B.
 - 4.11. OWNER SHALL BE RESPONSIBLE FOR HIRING A PRIVATE CONTRACTOR TO CERTIFY THAT TRACER WIRES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE CITY'S LINEAL DESIGN AND CONSTRUCTION REPORT. CONTRACTOR INCLUDING DRAWINGS IS REQUIRED TO CONFIRM THAT THE TRACER WIRES WERE INSTALLED AND ARE WORKING AS INTENDED.
 - 4.12. MAIN STOPS, CURB STOPS AND COUPLINGS SHALL BE AWWA C-800 COPPER TO COPPER FLANGED OR COMPRESSION CONNECTION OR APPROVED EQUIVALENT.
 - 4.13. A CHECK VALVE SHALL BE INSTALLED INSIDE THE PROPERTY LINE FOR ALL SERVICES 50mm² AND LARGER IN ACCORDANCE WITH CITY OF BRANTFORD STANDARD DWG. W-315.
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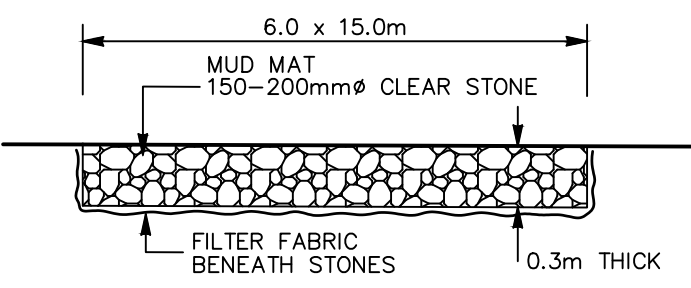
15. WATER CONNECTIONS MAY BE PLACED IN THE SAME TRENCH WITH A STORM OR SANITARY CONNECTION ONLY IF A MINIMUM VERTICAL SEPARATION OF 500mm IS MAINTAINED BETWEEN THE WATER SERVICE AND ANY OTHER PIPE. IN ACCORDANCE WITH SECTION 7.3.5.7.2(c)(i) OF THE ONTARIO BUILDING CODE.
16. ALL WATERMANS AND SERVICES TO HAVE MINIMUM 1.85m COVER ON TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL CONTACT DESIGN ENGINEER FOR "WATER PIPE INSULATION DETAIL".
17. ALL WATERMAIN TO BE PRESSURE TESTED IN ACCORDANCE WITH OPSS 44-1. DISINFECT ALL WATERMAIN IN ACCORDANCE WITH AWWA C 651-09 INCLUDING CHLORINATION, BACKFLOW PREVENTOR AND 24 HOUR DUPLICATE SAMPLING. ALL TESTING AND DISINFECTION TO BE COMPLETED UNDER THE SUPERVISION OF THE ENGINEER. (CONTRACTOR TO SUBMIT WATER COMMISSIONING PLAN. THIS PLAN MUST BE APPROVED BY THE LOCAL MUNICIPALITY PRIOR TO ANY WATERMAIN WORK).
5. **EROSION AND SEDIMENT CONTROL**
1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN ON SITE DEVELOPMENT PROGRESS. CONTRACTOR TO PROVIDE ALL CONSTRUCTION IS COMPLETED AND ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE COVER.
2. ALL SEDIMENT CONTROL FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.
3. EROSION CONTROL FENCING TO BE INSTALLED AROUND BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT 2.5m MINIMUM FROM PROPERTY LINE.
4. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MHS AND Cbs.
5. ALL SEDIMENT CONTROL ACCESS (MUD MAT) TO BE PROVIDED ON-SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. CONSTRUCTION ACCESS (MUD MAT) SHALL BE A MINIMUM OF 6 METERS WIDE, 15.0m LONG (LENGTH MAY VARY DEPENDING ON SITE LAYOUT) AND 0.3m DEEP AND SHALL CONSIST OF 200mm CLEAR STONE MATERIAL OR APPROVED EQUIVALENT. PROPOSED EROSION FENCING TO TIE INTO MUD MAT. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE EFFECTIVENESS AT ALL TIMES.
6. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
7. EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.
8. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER AND THE LOCAL MUNICIPALITY'S DEPARTMENT OF PUBLIC WORKS.
9. CONTRACTOR TO CLEAN ROADWAY AND SIDEWALKS OF SEDIMENTS RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.
10. CONTRACTOR MUST REMOVE EROSION AND SEDIMENTATION FENCING PRIOR TO COMPLETION OF PROJECT. CONTRACTOR TO HAVE EROSION AND SEDIMENTATION FENCE INSPECTED WHEN VEGETATION HAS ESTABLISHED, BUT PRIOR TO FENCE BECOMING OVERGROWN. ENGINEER'S REPRESENTATIVE TO DETERMINE IF VEGETATION HAS REACHED THE CRITICAL POINT AND WILL THEN INSTRUCT CONTRACTOR TO REMOVE FENCE.
6. **MAINTENANCE RECOMMENDATIONS**
1. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FENCE.
2. OWNER'S REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.
3. THE PROPOSED HYDRODOME(HD-4) WILL REQUIRE REGULAR ANNUAL MAINTENANCE PRIOR TO ENTER INTO A MAINTENANCE AGREEMENT WITH A SUITABLE CONTRACTOR TO COMPLETE THIS WORK.
-
- 2.00m MIN. TRENCH
1.00m MIN. STONE
1.00m (MIN.) COVER
0.70m
0.20m
2.50m MIN. TRENCH



TEMPORARY SILTSACK SILTATION CONTROL IN CB

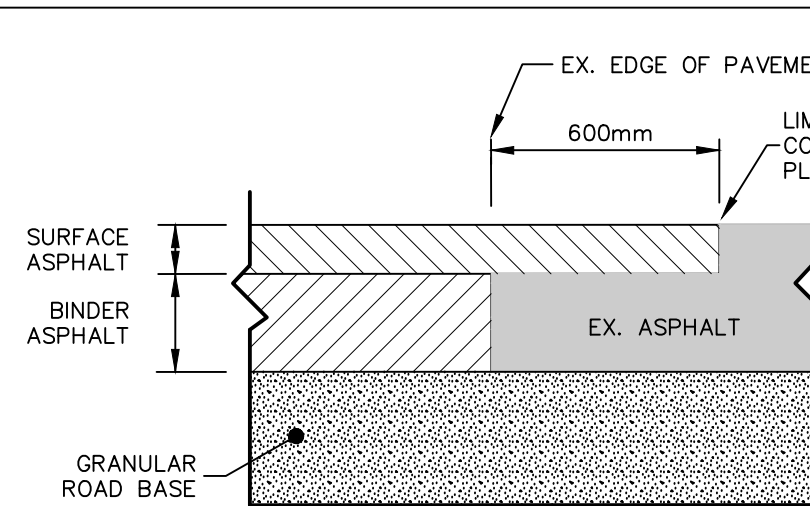
N.T.S

DESIGNATED ACCESS FOR ALL CONSTRUCTION TRAFFIC.
INSTALL 'MUD MAT', AS PER DETAIL BELOW, PRIOR TO ANY
OTHER CONSTRUCTION. MAT TO BE MAINTAINED IN GOOD
WORKING ORDER UNTIL GRADING WORKS ARE COMPLETED
AND GRANULAR "A" & "B" HAVE BEEN PLACED.



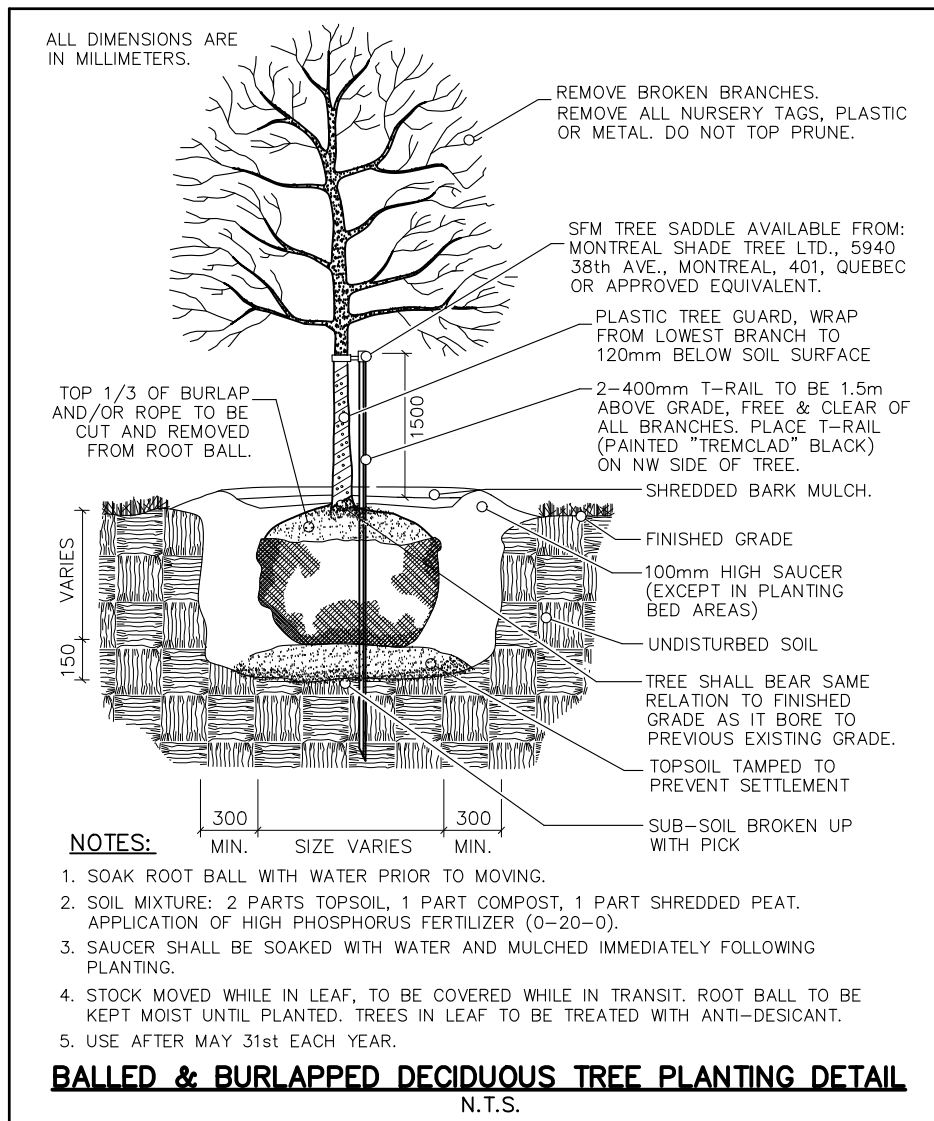
CONSTRUCTION ACCESS DETAIL

N.T.S



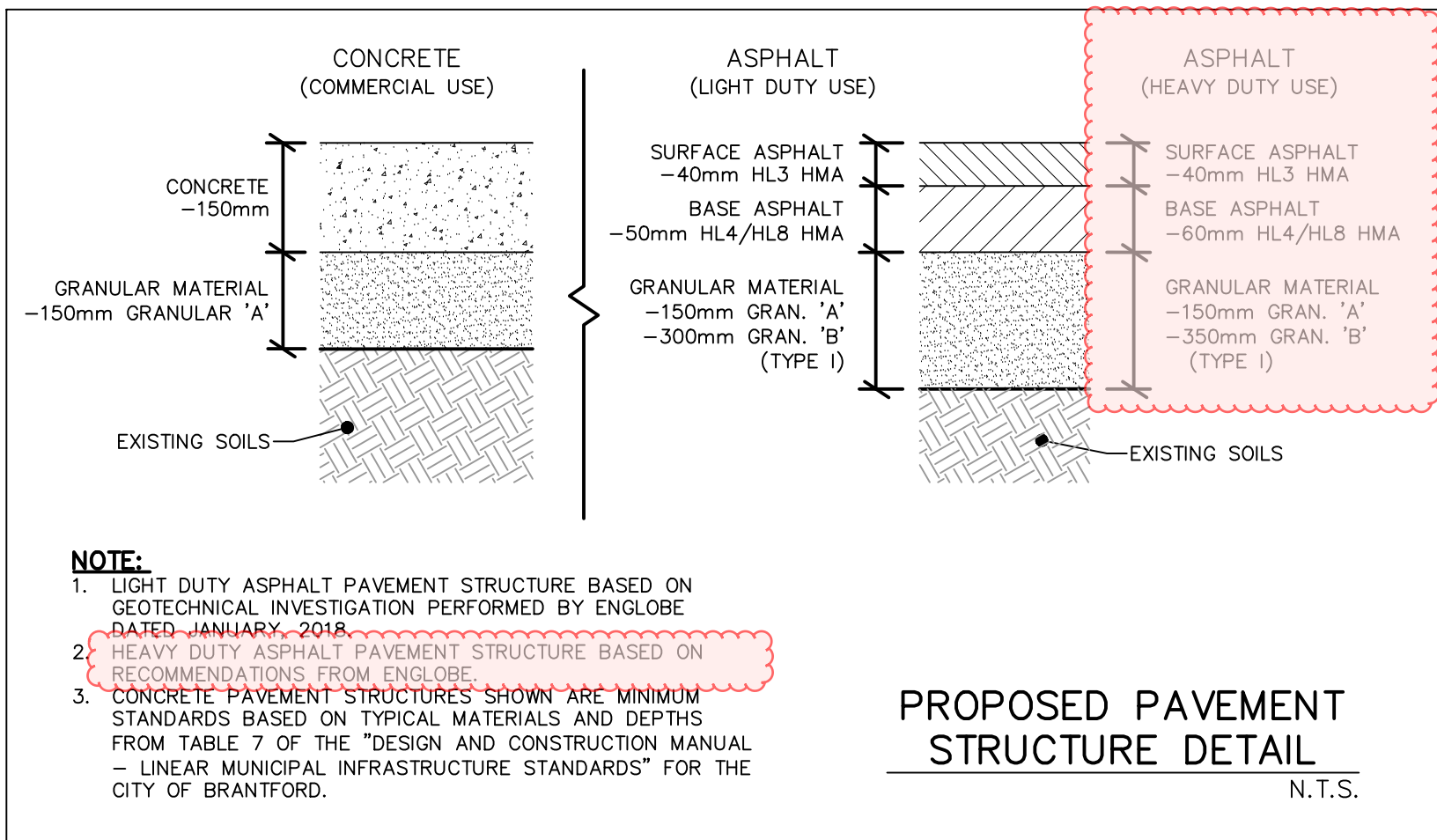
ASPHALT JOINT DETAIL

N.T.S.



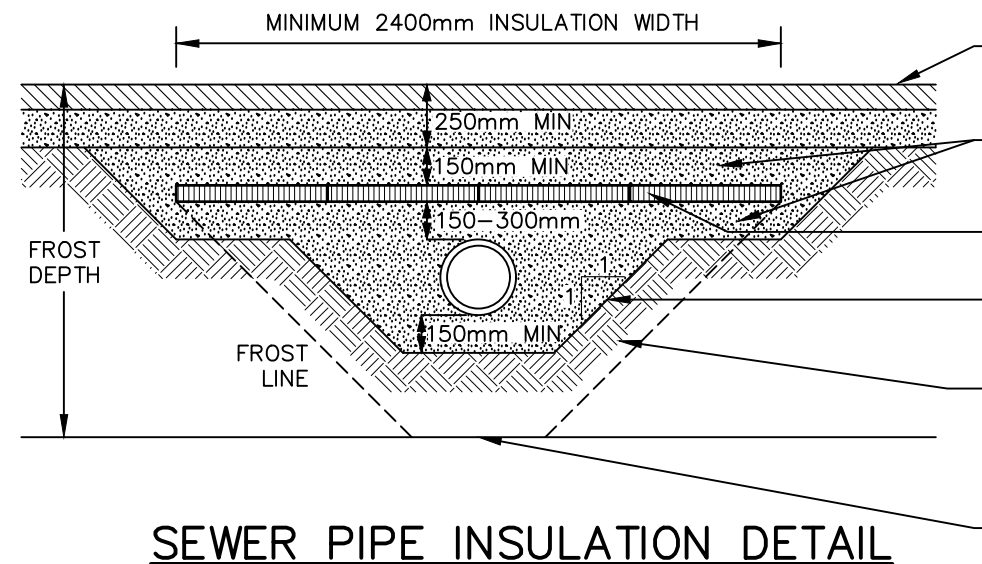
PROPOSED PAVEMENT STRUCTURE DETAIL

N.T.S



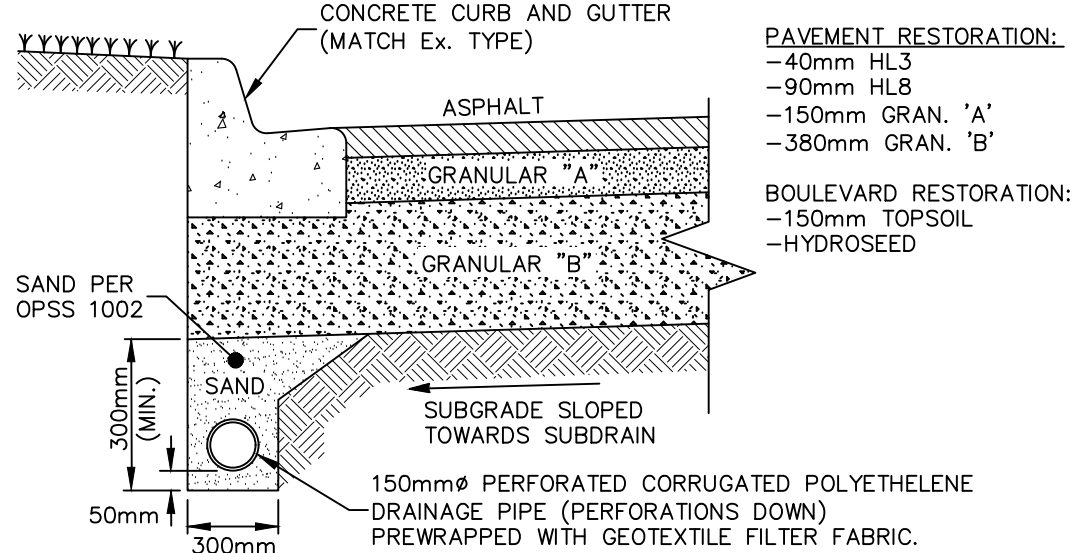
INFILTRATION GALLERY DETAIL

N.T.S.



SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN 1400mm
COVER AND MINIMUM 615mm COVER
N.T.S.



KRAEMER'S WAY RESTORATION DETAILS

N.T.S.

NOTE:
SUBDRAIN TO BE INSTALLED ONLY IF
PRESENT UNDER EXISTING CONDITIONS.
SUBDRAIN TO BE CONNECTED TO STORM
SEWER SYSTEM AT ALL STRUCTURES.

NOTES	PROJECT IDENTIFICATION	DRAWING IDENTIFICATION	ORIENTATION	SUB-CONSULTANT	PRIME CONSULTANT	DISCIPLINE SEAL	DRAWING SUBMISSION(S)	INTERNAL INFO	COPYRIGHT 2024	
THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT PRIOR TO COMMENCING OR PROCEEDING WITH ANY WORK ON THIS PROJECT. ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT. COPYRIGHT 2017. THESE DRAWINGS AND SPECIFICATIONS ARE DESIGNED FOR THE CLIENT AND THE PROPERTY INDICATED ON THESE DRAWINGS ONLY AND SHALL NOT BE CONSTRUCTED FOR ANY OTHER CLIENT OR ANY OTHER PROPERTY. DO NOT SCALE DRAWINGS.	BRANTFORD ANIMAL SHELTER 10 KRAEMER'S WAY BRATFORD, ONTARIO N3V 0A5	CONSTRUCTION NOTES AND DETAILS		 Engineers, Scientists, Surveyors 519-204-6510	 67 KING STREET WEST, CHATHAM ON N7M 1C7 TEL . 519.397.0943 EMAIL . info@roastudio.com			CIVIL	PROJECT ID DRAWN BY REVIEWED BY DATE SCALE	ROA23-003 TNH WHV 10.07.2024 1:200
							4	REISSUED FOR SPA	10-09-2024	
						3	ISSUED FOR TENDER	08-08-2024		
						2	ISSUED FOR PERMIT	08-01-2024		
						1	ISSUED FOR SERVICING REPORT	05-28-2024		

C103