GENERAL

1.3. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE 3. 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
- 1.5.3. VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS (WHICH MAY APPEAR ON THIS PLAN) COMPLY
- 1.5.4. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.

WITH THE FINAL ARCHITECTURAL DRAWINGS.

- 1.6. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO EXISTING WORKS. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO THE TOWN OF ST. MARYS'
- 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 OWNER'S EXPENSE IN ACCORDANCE WITH THE TOWN OF ST. MARYS' "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 BOULEVARD AREAS SHALL BE RESTORED WITH 200mm TOPSOIL AND SOD.
- 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 TOWN OF ST. MARYS; 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 REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- 1.10. PLAN TO BE READ IN CONJUNCTION WITH SWM REPORT AND DRAWING C2.1 PREPARED BY MTE CONSULTANTS INC.
- 1.11. EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM SURVEY CONDUCTED BY MTE CONSULTANTS INC, ON FEBRUARY 9, 2022.
- 1.12. CONTRACTOR TO OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER PRIOR TO ENTERING UPON NEIGHBOURING LANDS TO UNDERTAKE ANY WORK. COPIES 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.
- FROM FOUNDATION WALL.
- 1.14. FILTER FABRIC TO BE TERRAFIX 270R OR APPROVED EQUAL.
- 1.15. MAXIMUM GRASSED SLOPE TO BE 3:1. SLOPES GREATER THAN 3:1 TO BE LANDSCAPED WITH LOW MAINTENANCE GROUND COVER.
- 1.16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE TOWN OF ST. MARYS AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS 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 AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- 1.18. CONTRACTOR TO MAINTAIN A 'CONFINED TRENCH CONDITION' IN ALL SEWER AND SERVICE TRENCHES.
- 1.19. FOLLOWING COMPLETION OF PROPOSED WORKS AND PRIOR 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. 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 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 DENSITY.
- 2.2. STORM SEWERS, 150mmø AND SMALLER, SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR28 ASTM-D3034 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.
- 2.3. UNLESS OTHERWISE NOTED, STORM SEWERS 200mmø TO 375mmø 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.
- STORM SEWERS, 450mmø AND LARGER, SHALL BE CONCRETE PIPE CSA-A257.2 65-D WITH RUBBER GASKET JOINT OR RIBBED PVC SEWER PIPE CSA B182.4-M90 ASTM-F794 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC RIBBED PVC NOT TO BE USED WITHIN RIGHT-OF-WAY.
- STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.4m COVER T TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL INDICATED IN DRAWING DETAILS. INSULATION SHALL BE RIGID EXTRUDED POLYSTYRENE (EPS) BOARD, WITH A THICKNESS SUFFICIENT TO PROVIDE AN RSI-1.76 (R10) INSULATING FACTOR (TYPICALLY 50-65mm). INSULATION BOARD WIDTH SHALL BE 1.8m FOR UP TO 200mm NOMINAL PIPE DIAMETER AND 2.4m FOR 201mm-800mm DIAMETER. ALL JOINTS SHALL BE TIGHTLY BUTTED TOGETHER (TAPE OR OTHERWISE SECURE JOINTS TO RESIST MOVEMENT DURING BACKFILL COVER). RIGID EPS BOARD SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 140kPa (20psi), AND A MAXIMUM WATER ABSORPTION RATE OF 2.0% BY VOLUME. ACCEPTABLE PRODUCTS ARE DOW STYROFOAM-SM OR -HI (FULL LINE), OWENS CORNING FOAMULAR (200, 250, OR HIGHER), PLAŚTISPAN HD-M28 OR OTHER ENGINEER-APPROVED EQUIVALENT.
- 2.6. FACTORY FABRICATED WYES SHALL BE USED FOR ALL SERVICE CONNECTIONS.
- MANHOLES AND MANHOLE CATCHBASINS TO BE 1200mmø PRECAST WITH ALUMINIUM STEPS AT 300mm CENTRES AS PER OPSD 701.010
- UNLESS OTHERWISE SPECIFIED. 2.8. MANHOLES TO BE BENCHED PER OPSD 701.021.
- 2.9. CATCHBASINS TO BE 600mm SQUARE PRECAST AS PER OPSD
- 2.10. CATCHBASIN MANHOLES AND CATCHBASINS TO HAVE A MINIMUM
- 600mm DEEP SUMP. 2.11. MANHOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

- 2.12. STORM MANHOLE LIDS TO BE PER OPSD 401.010 TYPE 'B' CATCHBASIN AND CATCHBASIN MANHOLE GRATES TO BE PER OPSD
- 2.13. UNDER NO CIRCUMSTANCES SHALL THE BUILDING FOUNDATION DRAINS BE CONNECTED DIRECTLY TO THE STORM SEWER SYSTEM. 2.14. ALL WEEPING TILE DRAINAGE TO BE PUMPED TO THE STORM SEWER
- 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 802.010 BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR
- SANITARY SEWERS 150mmø AND SMALLER SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR28 ASTM-D3034 WITH INTEGRAL BELL AND
- SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS. 3.3. MANHOLES TO BE 1200mmø PRECAST WITH ALUMINIUM STEPS AT

300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE

- 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.
- FACTORY FABRICATED WYES SHALL BE USED FOR ALL SERVICE
- 3.9. SANITARY SEWERS AND SERVICES TO HAVE MINIMUM 1.4m COVER ON TOP OF PIPE, WHERE COVER TO TOP OF PIPE IS DEFICIENT CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. INSULATION SHALL BE RIGID EXTRUDED POLYSTYRENE (EPS) BOARD, WITH A THICKNESS SUFFICIENT TO PROVIDE AN RSI-1.76 (R10) INSULATING FACTOR (TYPICALLY 50-65mm). INSULATION BOARD WIDTH SHALL BE 1.8m FOR UP TO 200mm NOMINAL PIPE DIAMETER. ALL JOINTS SHALL BE TIGHTLY BUTTED TOGETHER (TAPE OR OTHERWISE SECURE JOINTS TO RESIST MOVEMENT DURING BACKFILL PLACEMENT). RIGID EPS BOARD SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 140kPa (20psi), AND A MAXIMUM WATER ABSORPTION RATE OF 2.0% BY VOLUME. ACCEPTABLE PRODUCTS ARE DOW STYROFOAM-SM OR -HI (FULL LINE). OWENS CORNING FOAMULAR (200, 250, OR HIGHER), PLASTISPAN HD-M28 OR OTHER ENGINEER-APPROVED EQUIVALENT.
- 3.10. CONTRACTOR RESPONSIBLE FOR TESTING OF SANITARY SEWERS IN ACCORDANCE WITH OPSS 410.

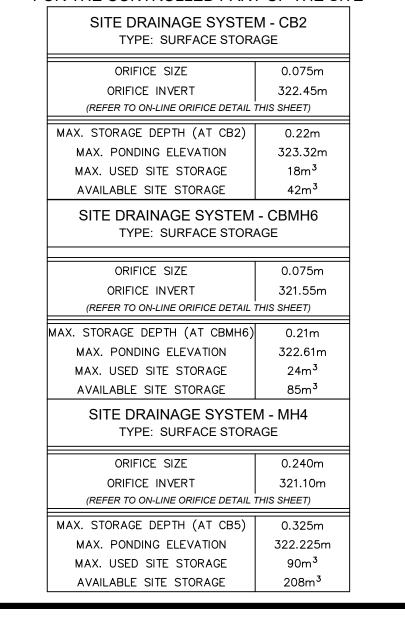
EROSION AND SEDIMENT CONTROL

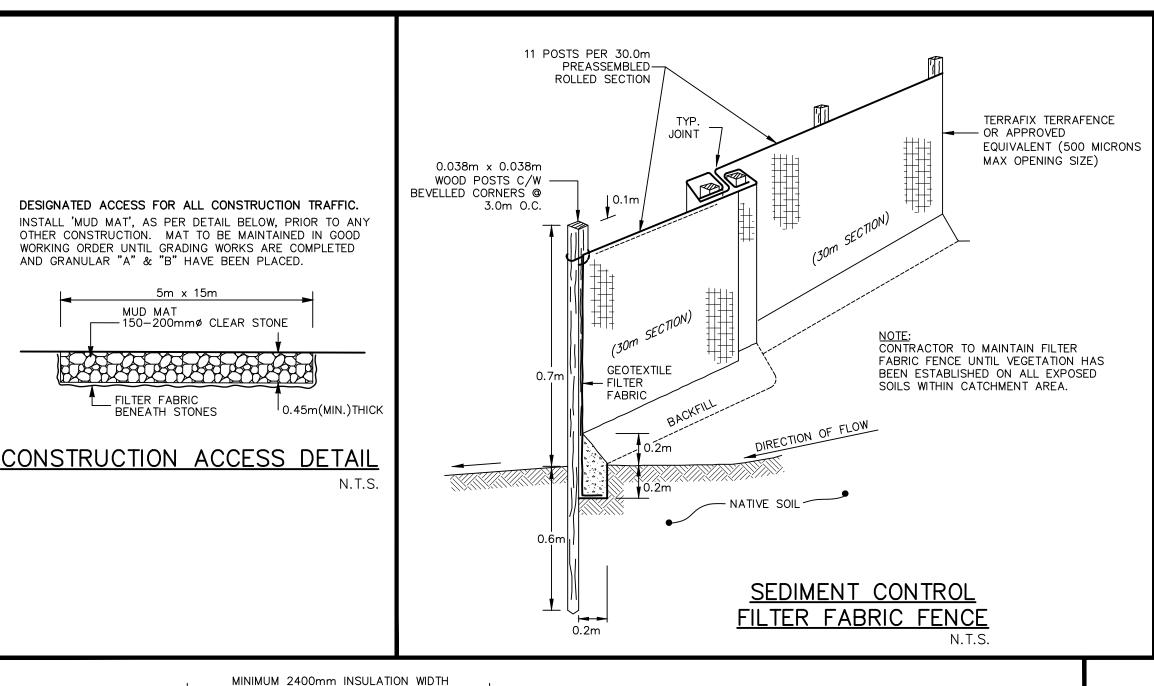
- CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN PRIOR TO CONSTRUCTION AND MAINTAIN IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETED AND ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE COVER.
- ALL SEDIMENT CONTROL FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.
- EROSION CONTROL FENCING TO BE INSTALLED AROUND BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT 2.5m MINIMUM FROM PROPERTY LINE.
- EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND 4.4. SANITARY MHs AND CBs.
- 1.13. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1 METRE 4.5. CONSTRUCTION ACCESS (STONE PAD) TO BE PROVIDED ON-SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. CONSTRUCTION ACCESS (STONE PAD) SHALL BE A MINIMUM OF 5.0m WIDE. 15.0m LONG AND 0.45m MIN. DEEP AND SHALL CONSIST OF 50mm CLEAR STONE MATERIAL FOR THE FIRST 7.5m AND 150mm RIP-RAP MATERIAL FOR THE REMAINING 7.5m. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE EFFECTIVENESS
 - ADDITIONAL FROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.
 - 4.7. EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.
 - NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER AND THE TOWN OF ST. MARYS' DEPARTMENT OF PUBLIC WORKS.
 - CONTRACTOR TO CLEAN ROADWAY AND SIDEWALKS OF SEDIMENTS RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.
 - 4.10. 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.

MAINTENANCE RECOMMENDATIONS

- REMOVE SEDIMENT AND CONTAMINANTS AND REINSTATE STORMWATER MANAGEMENT FACILITY ACCORDING TO THE DESIGN OUTLINED ON
- OWNER'S REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.

STORMWATER MANAGEMENT (SWM) SUMMARY FOR THE CONTROLLED PART OF THE SITE





PAVEMENT STRUCTURE (ASPHALT AND/OR GRANULAR), OR

SELECT NATIVE MATERIAL AND TOPSOIL, AS SPECIFIED ON

RIGID EPS-INSULATION BOARD PER SPECIFICATION NOTES

BE MAXIMUM 1:1 SLOPE, NO VERTICAL SECTIONS ALLOWED

(MINIMUM R10-THICKNESS, TYPICALLY 50-65mm)

- PAVEMENT STRUCTURE (ASPHALT AND/OR GRANULAR), OR SELECT

NATIVE MATERIAL AND TOPSOIL, AS SPECIFIED ON DRAWINGS

PICID EDS_INSULATION BOARD DER SPECIFICATION NOTES

GRANULAR-A BEDDING & BACK FILL AROUND PIPE, UNDER

NATIVE SOILS - WHERE NATIVE SOIL IS SOFT AND/OR OF

(MINIMUM R10-THICKNESS, TYPICALLY 50-65mm)

20 MPa CONCRETE c/w 6% AIR ENTRAINMENT, MINIMUM 150mm

CENTRAL AREA THICKNESS, TAPERED TO MINIMUM 75mm EDGE

INSULATION, AND ABOVE CONCRETE AS SHOWN, COMPACTED TO

NOTE: TRENCH SIDE-SLOPES IN AREAS OF PIPE INSULATION TO

ORGANIC CONTENT, REMOVE TO DEPTH OF SUITABLE SOILS AND

SPMDD, OR CONSTRUCT IN ACCORDANCE WITH WRITTEN DIRECTION

- FROST DEPTH - PROTECT SOIL ZONE UNDER PIPE FROM FREEZING REFER TO OPSD 3400.011 FOR SPECIFIC LOCAL FROST DEPTH

PAVEMENT STRUCTURE (ASPHALT AND/OR GRANULAR), OR SELECT

O MPa CONCRETE c/w 6% AIR ENTRAINMENT, MINIMUM 150mm

BELOW AND ADJACENT TO PIPE AND 100mm OVER PIPE, WITH

NOTE: TRENCH SIDE-SLOPES IN AREAS OF PIPE INSULATION TO

BE MAXIMUM 1:1 SLOPE, NO VERTICAL SECTIONS ALLOWED UNLESS

RIGID EPS-INSULATION BOARD PER SPECIFICATION NOTES (MINIMUM

- GRANULAR-A BEDDING & BACK FILL UNDER AND OVER INSULATION

SPMDD. OR CONSTRUCT IN ACCORDANCE WITH WRITTEN DIRECTION

- FROST DEPTH - PROTECT SOIL ZONE UNDER PIPE FROM FREEZING

REFER TO OPSD 3400.011 FOR SPECIFIC LOCAL FROST DEPTH

ORGANIC CONTENT. REMOVE TO DEPTH OF SUITABLE SOILS AND REPLACE WITH GRANULAR-B2 MATERIAL COMPACTED TO 95%

NATIVE MATERIAL AND TOPSOIL, AS SPECIFIED ON DRAWINGS

REPLACE WITH GRANULAR-B2 MATERIAL COMPACTED TO 95%

BE MAXIMUM 1:1 SLOPE, NO VERTICAL SECTIONS ALLOWED UNLESS

UNLESS INDICATED IN DETAIL

GEOTECHNICAL CONSULTANT

THICKNESS AS SHOWN

INDICATED IN DETAIL

FROM GEOTECHNICAL CONSULTANT

TAPERED EDGES AS SHOWN

R10-THICKNESS, TYPICALLY 50-65mm)

ROM GEOTECHNICAL CONSULTANT

AS SHOWN, COMPACTED TO MINIMUM 95% SPMDD

- NATIVE SOILS - WHERE NATIVE SOIL IS SOFT AND/OR OF

INDICATED IN DETAIL

-STRUCTURE

WALL

FLOW

CB2 - 322.45m

☐ INVERT ELEV.

GRANULAR 'A' BEDDING & BACK FILL BELOW AND ABOVE PIPE

AND INSULATION BOARD, COMPACTED TO MINIMUM 95% SPMDD

- NOTE: TRENCH SIDE-SLOPES IN AREAS OF PIPE INSULATION TO

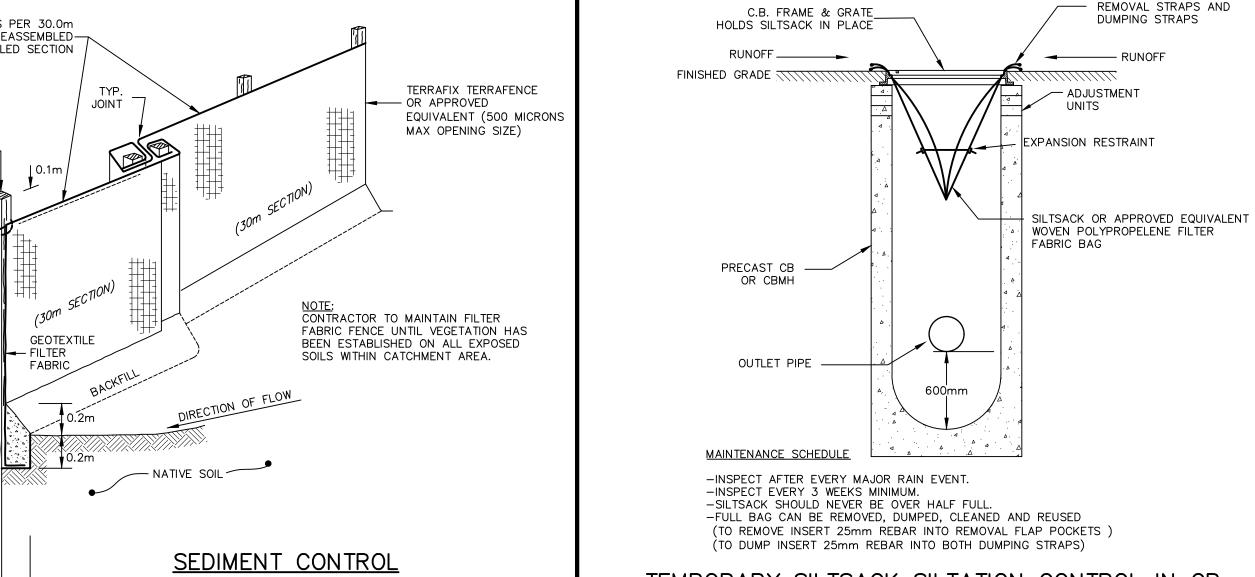
- NATIVE SOILS - WHERE NATIVE SOIL IS SOFT AND/OR OF ORGANIC

CONTENT, REMOVE TO DEPTH OF SUITABLE SOILS AND REPLACE

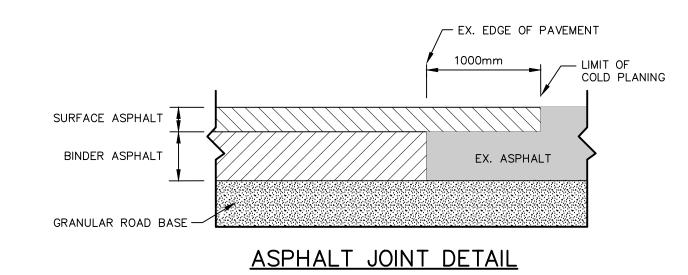
WITH GRANULAR-B2 MATERIAL COMPACTED TO 95% SPMDD, OR CONSTRUCT IN ACCORDANCE WITH WRITTEN DIRECTION FROM

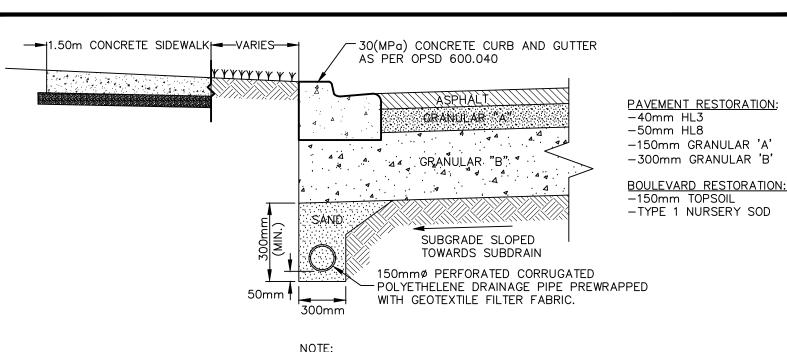
- FROST DEPTH - PROTECT SOIL ZONE UNDER PIPE FROM FREEZING

REFER TO OPSD 3400.011 FOR SPECIFIC LOCAL FROST DEPTH



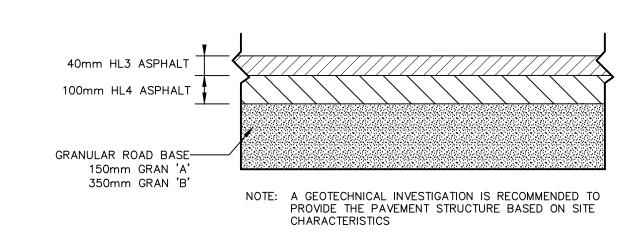
TEMPORARY SILTSACK SILTATION CONTROL IN CB



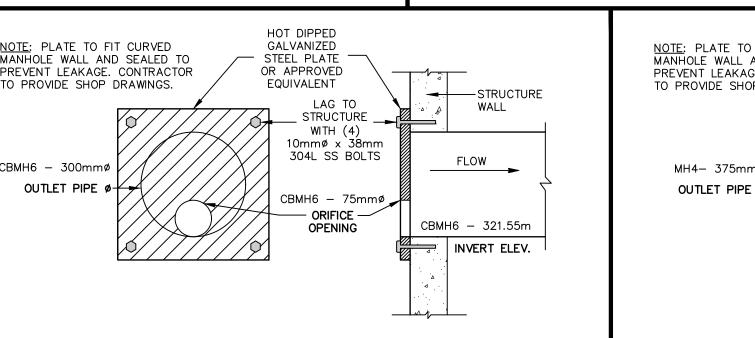


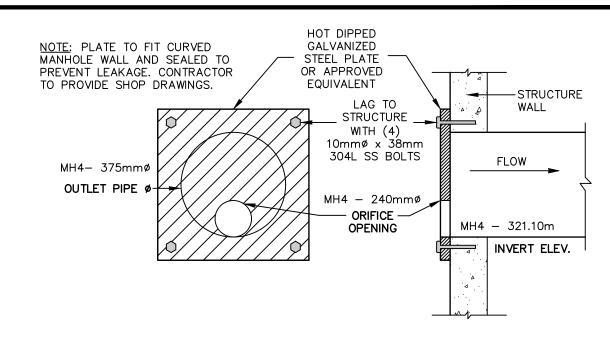
INSTALLATION OF SUBDRAIN WILL BE REQUIRED TO RUN CONTINUOUSLY ALONG BOTH SIDES OF THE ROAD WITH CURB AND GUTTER.

THAMES ROAD N. RESTORATION

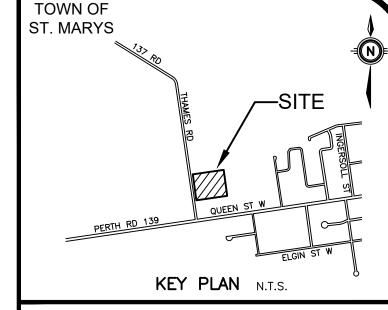


PROPOSED PAVEMENT STRUCTURE DETAIL





ON-LINE ORIFICE DETAIL



ELEV. = 321.731m GEODETIC BM BM 01019890457, BC IN CURB, FLUSH WITH GRADE. MONUMENT ON QUEEN STREET WEST. 40.0M EAST OF CENTRELINE OF WILLIAM STREET NORTH, 4.7M SOUTH OF THE CENTRELINE OF QUEEN STREET, IN THE TOWN OF ST. MARYS.

SITE BENCHMARK ELEV. = 323.007r FIRE HYDRANT TOP OF NUT ON THE WEST SIDE OF THE SIT LOCATED BETWEEN BOTH ENTRANCES ONTO THE PROPERTY, PERPENDICULAR TO THE THAMES ROAD TRAILER PARK ENTRANCE.

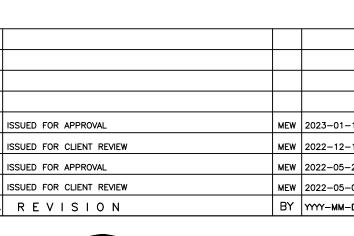
NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

ENGINEER'S WRITTEN PERMISSION.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE

HE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. T IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.





519-271-7952



OWNER

PROJECT

20 THAMES ROAD

20 THAMES ROAD

Proiect Manaaer

PERTH COUNTY **INGREDIENTS**

2022 BUILDING

ST. MARYS, ONTARIO

ST. MARYS, ONTARIO

CONSTRUCTION **NOTES AND**

M.WHITTEMORE	44357-112
Design By SXP	Checked By JMD
Drawn By MRB	Checked By MEW
Surveyed By MTE OLS	Drawing No.
Date Jan.12/23	C2.2
Scale AS NOTED	Sheet 5 of 5

DETAILS

| Project No

MANHOLE WALL AND SEALED TO PREVENT LEAKAGE, CONTRACTOR TO PROVIDE SHOP DRAWINGS. CBMH6 - 300mmø

OPENING

ON-LINE ORIFICE DETAIL

TO PROVIDE SHOP DRAWINGS. CB2 – 200mmø OUTLET PIPE Ø

FRÖST

DEPTH

NOTE: PLATE TO FIT CURVED

MANHOLE WALL AND SEALED TO

PREVENT LEAKAGE. CONTRACTOR

AND GRANULAR "A" & "B" HAVE BEEN PLACED.

FILTER FARRIC

DFPTH

FROST

FROST

FROST

LINE

SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN 1400mm

COVER AND MINIMUM 615mm COVER

N.T.S.

MINIMUM 2400mm INSULATION WIDTH

SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN

615mm COVER AND MINIMUM 470mm

N.T.S.

MINIMUM 1800mm INSULATION WIDTH

SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN 470mm

COVER AND MINIMUM 280mm COVER

N.T.S.

GALVANIZED

STEEL PLATE

OR APPROVED

EQUIVALENT

STRUCTURE

WITH (4)

10mmø x 38mn

304L SS BOLTS

CB2 - 75mmø

- ORIFICE -

BENEATH STONES

5m x 15m

- 150-200mmø CLEAR STONE

ON-LINE ORIFICE DETAIL