

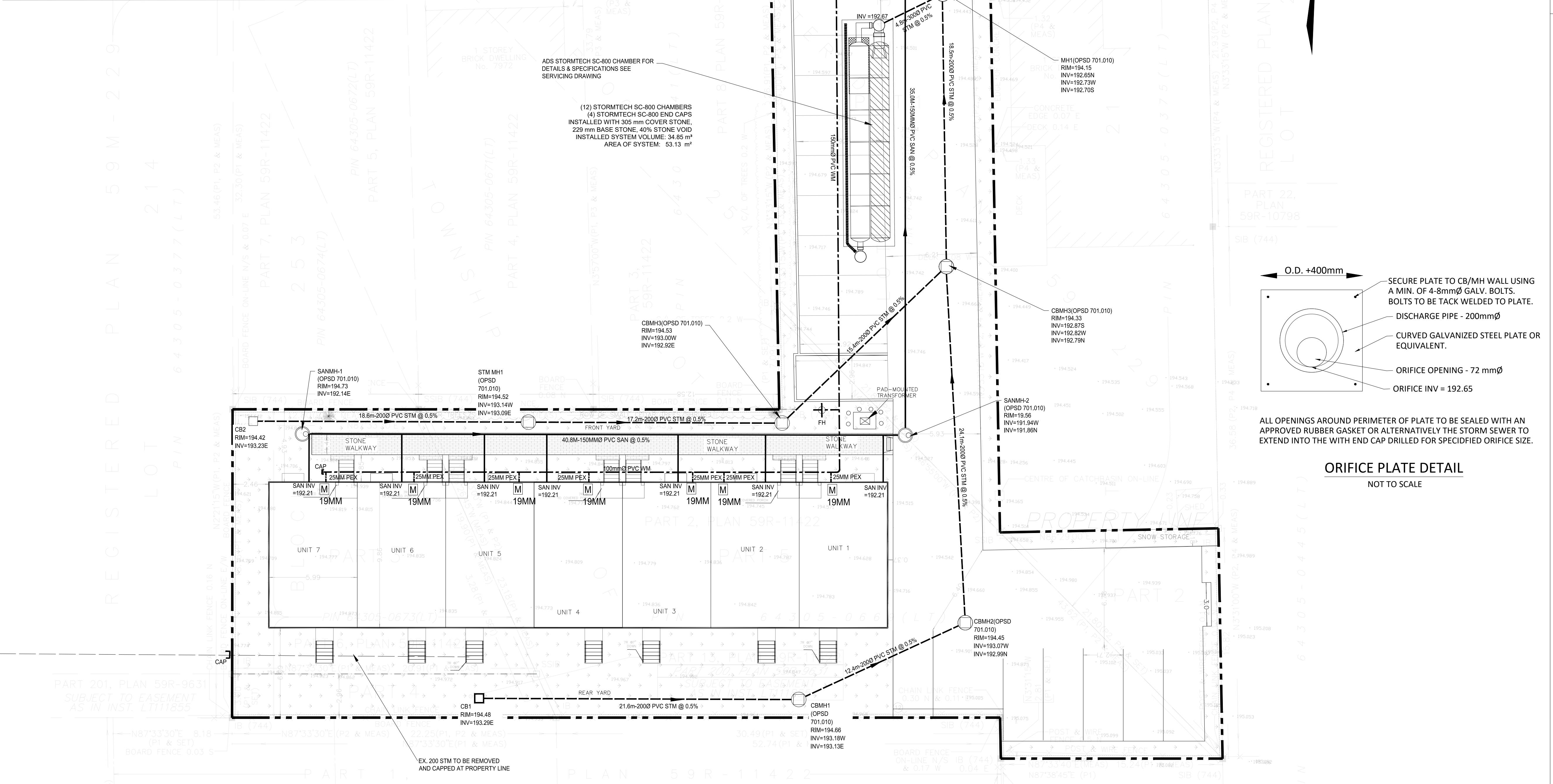
## **LOCATES AND LIABILITY:**

THE LOCATION OF ALL UNDER/ABOVE GROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY, AND WHERE SHOWN ON THE DRAWING(S) THE ACCURACY OF THE LOCATION OF SUCH UTILITIES ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES BY CONSULTING THE APPROPRIATE AUTHORITIES OR UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OR RESTORATION TO SAME. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER 48 HOURS PRIOR TO THE COMMENCING SITE WORKS TO ARRANGE FOR INSPECTION. THE ENGINEER SHALL DETERMINE THE EXTENT OF INSPECTION AND TESTING

REQUIRED FOR CERTIFICATION OF THE UNDERGROUND SERVICE INSTALLATION AS MANDATED BY THE ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILUREB TO MAKE SUITABLE ARRANGEMENTS FOR INSPECTION WILL LEAD TO POST CONSTRUCTION TESTING AND INSPECTION AS DETERMINED BY THE ENGINEER, THE COSTS OF WHICH INCLUDING ANY DELAYS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. FULL PAYMENT FOR UN-INSPECTED WORKS MAY BE WITHHELD UNTIL THE COMPLETION OF THE POST CONSTRUCTION INSPECTION AND TESTING TO THE SATISFACTION OF THE ENGINEER.

## NOTES

1. WEEK PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING SANITARY, WATER, GAS, BELL, ROGERS AND HYDRO CONNECTIONS. THE LOCATIONS OF THESE EXISTING UTILITIES SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION.
2. ALL SURFACES WITHIN THE ROAD ALLOWANCE WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST AS GOOD AS ORIGINAL TO THE SATISFACTION OF THE MUNICIPALITY AT NO COST TO THE MUNICIPALITY.

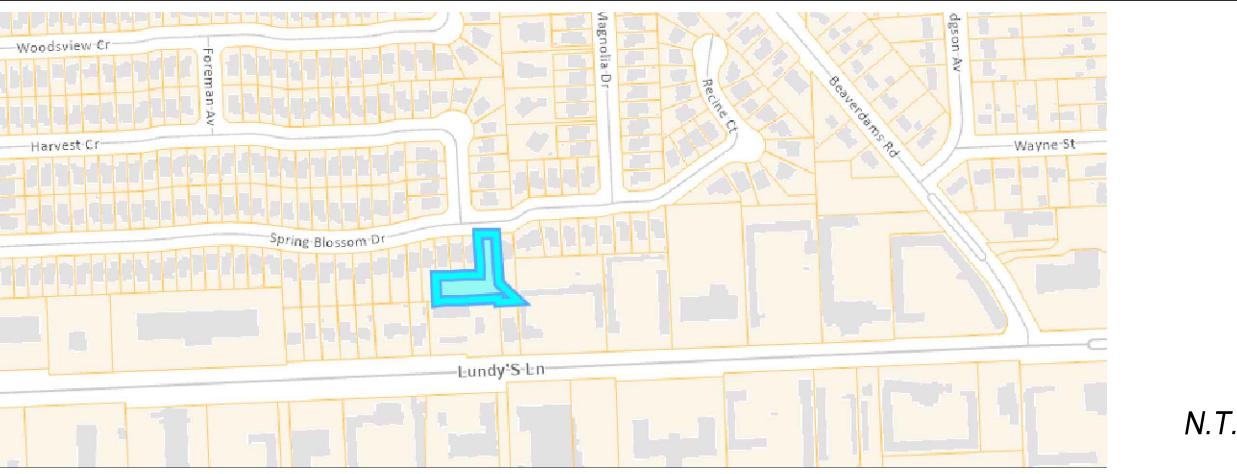


# 956 SPRING BLOSSOM DRIVE, NIAGARA FALLS

## SERVICING PLAN

Project No. 25037

## Drawing No. 2

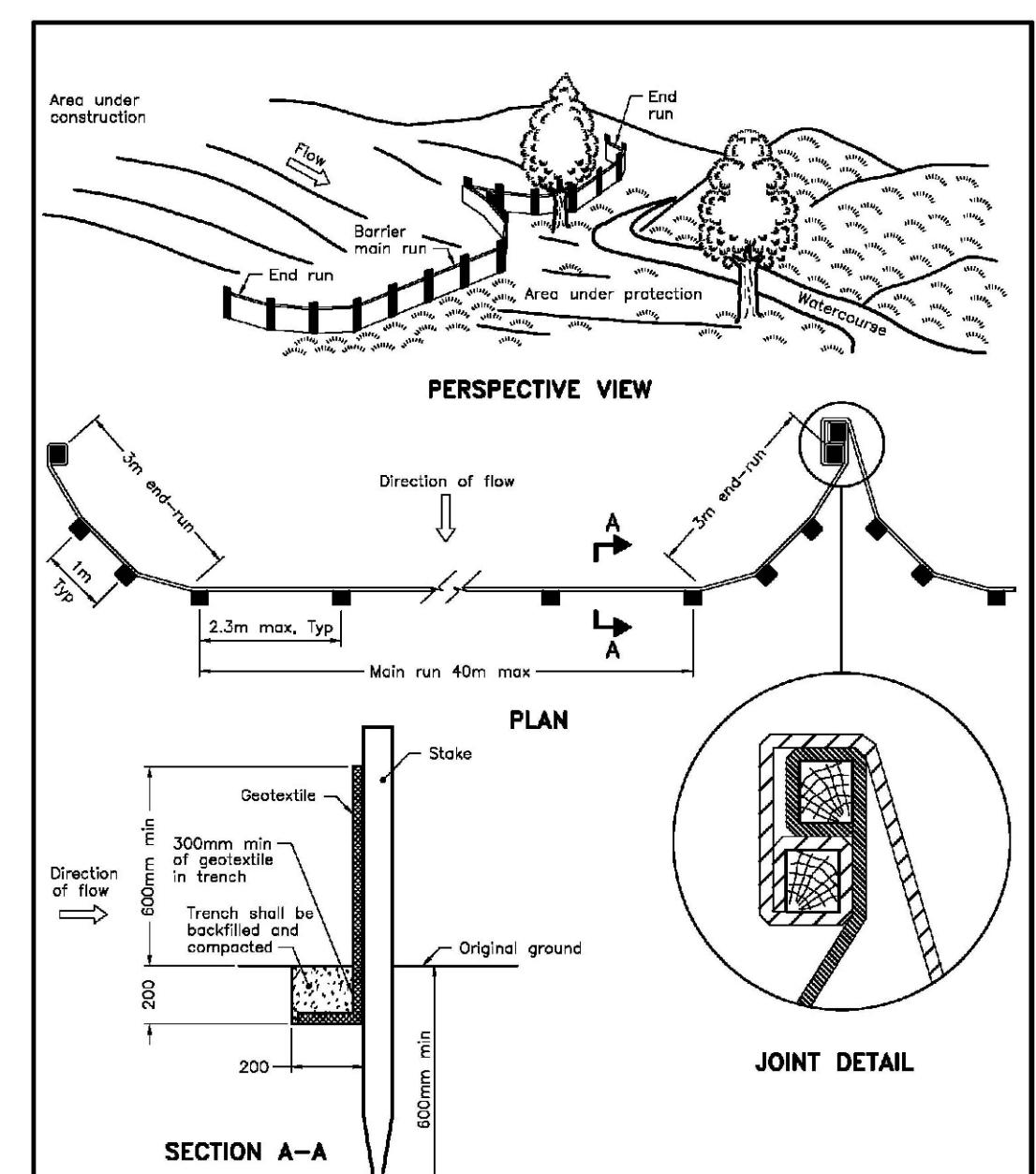
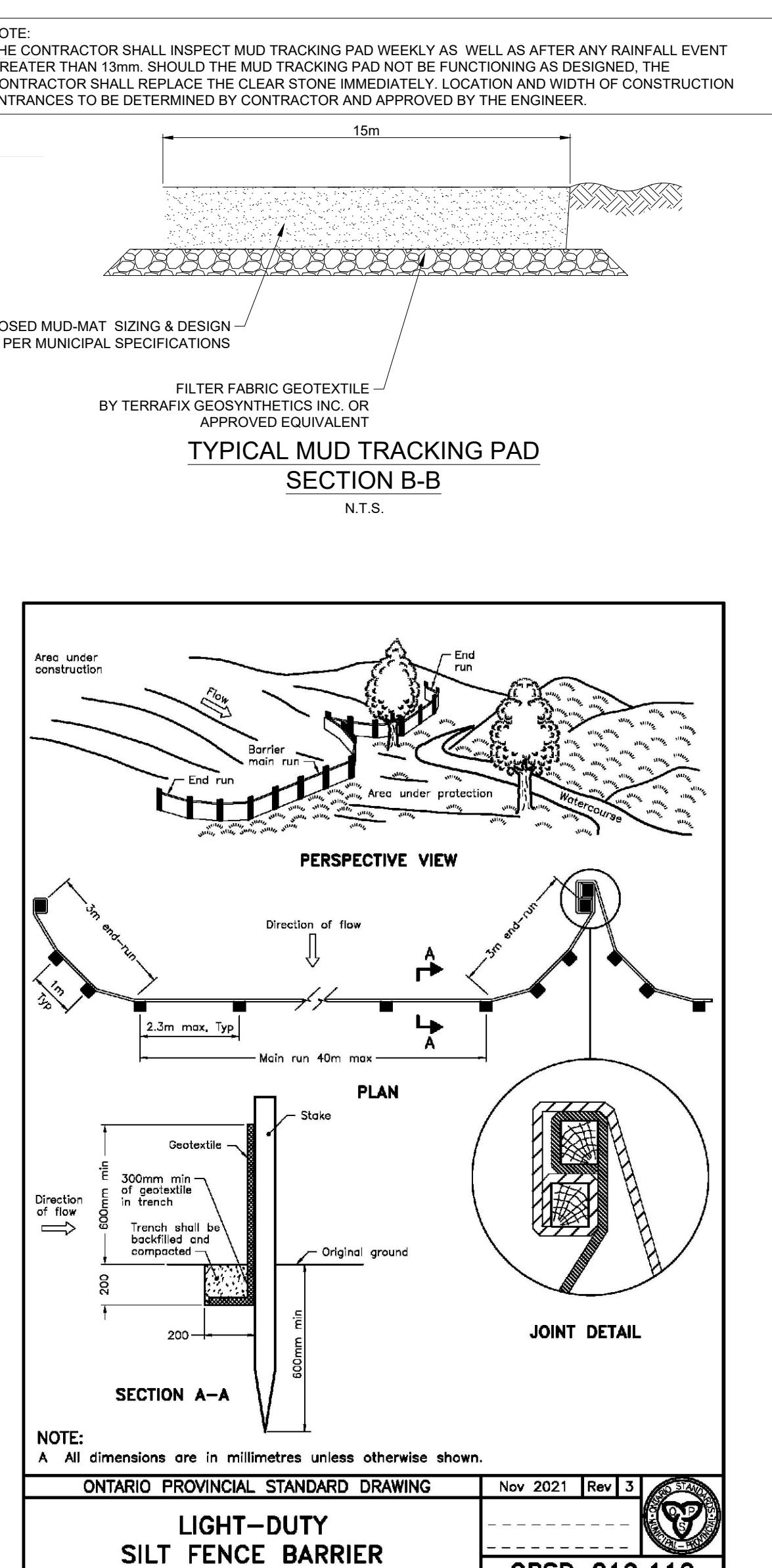
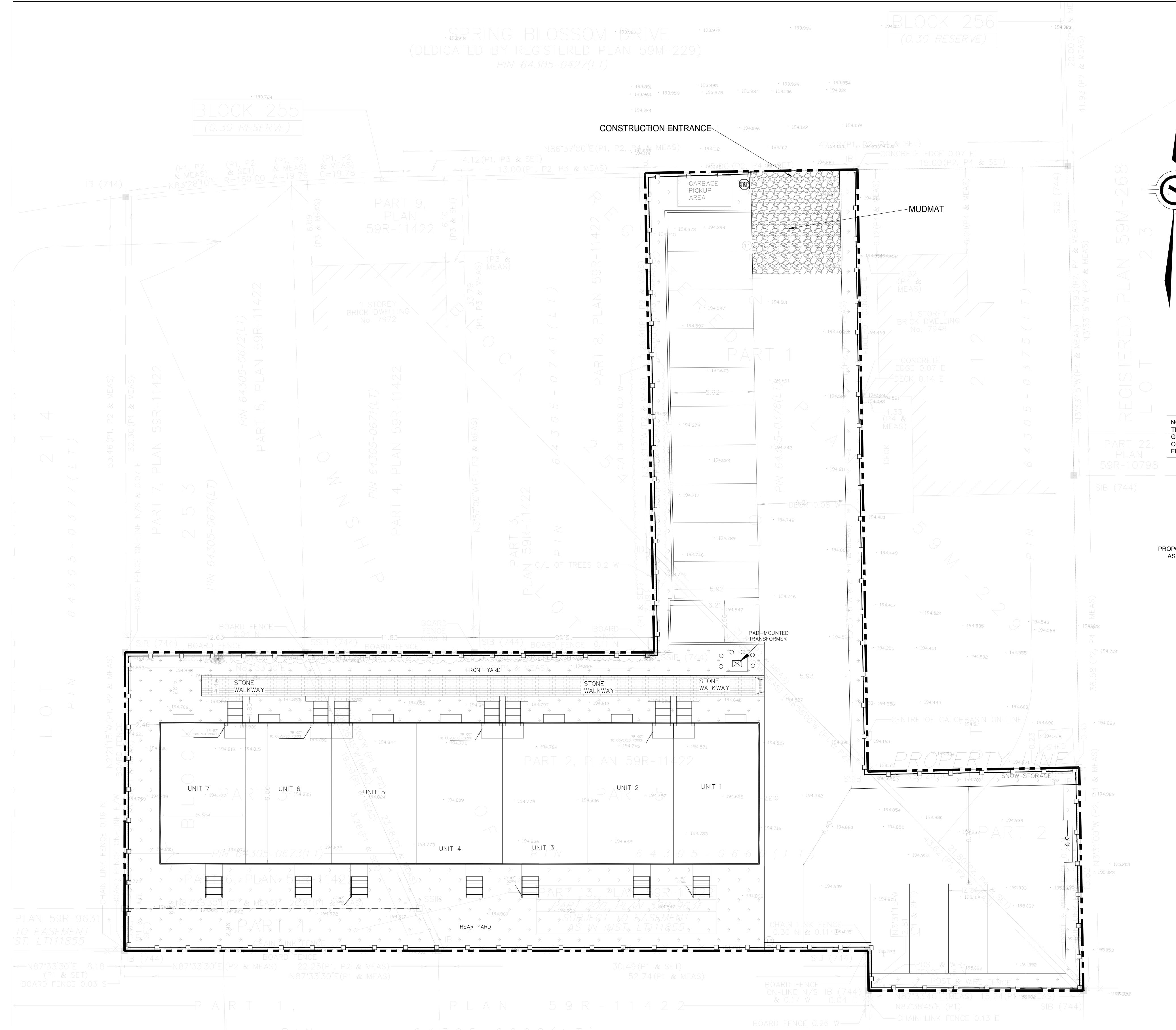


## LEGEND

PROPERTY BOUNDARY	
PROPOSED SANITARY SERVICE	
PROPOSED WATER SERVICE	
PROPOSED STORM SERVICE	
TM MH	
3	
AN MH	
3MH	

## SERVICING NOTES

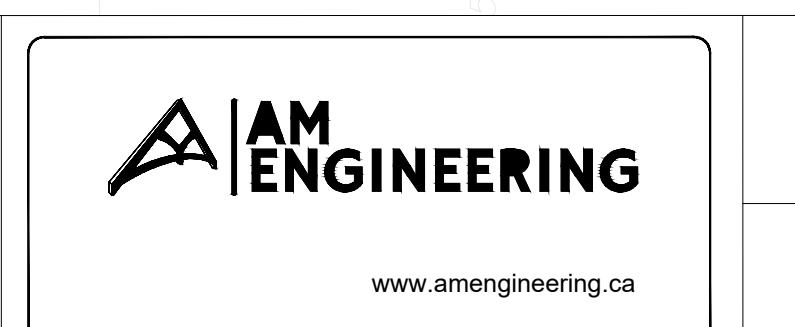
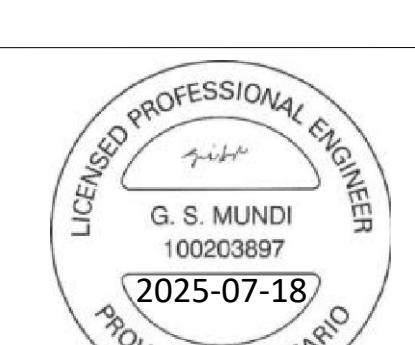
1. FIELD LOCATES OF ALL UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO; UNDERGROUND GAS, HYDRO, TELEPHONE, AND CABLE SHALL BE ARRANGED PRIOR TO CONSTRUCTION AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. PROPOSED UTILITY PLANS ARE TO BE SUBMITTED TO THE CITY OF NIAGARA FALLS FOR APPROVAL PRIOR TO THE INSTALLATION.
3. 48-HOURS NOTICE MUST BE GIVEN TO THE CITY OF NIAGARA FALLS PUBLIC WORKS DEPARTMENT BEFORE ANY CONSTRUCTION WITHIN THE CITY OF NIAGARA FALLS ROAD ALLOWANCE.
4. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
5. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARD FOR THE CITY OF NIAGARA FALLS.
6. ALL EXISTING STRUCTURES TO BE RAISED TO MATCH PROPOSED GRADES. MAXIMUM 0.3M OF CONCRETE ADJUSTMENT RINGS. IF MORE THAN 0.3m IS REQUIRED, A 0.3m RISE SHALL BE ADDED TO THE STRUCTURE.
7. THE POSITION OF ALL EXISTING UTILITIES ARE APPROXIMATE ONLY AND NOT GUARANTEED. PRIOR TO COMMENCEMENT, CONTRACTOR SHALL VERIFY THE POSITION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION
8. ALL WORK SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE LATEST EDITION OF THE OPSS AND OPSD STANDARDS, THE CITY OF NIAGARA FALLS STANDARDS AND THE BUILDING CODE.
9. ALL SEWER/WATERMAIN BEDDING/INITIAL BACKFILL AS PER CITY OF NIAGARA FALLS STANDARDS ALL SEWER/WATERMAIN BEDDING/INITIAL BACKFILL SHALL BE COURSE SAND COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD). TRENCH BACKFILL ON SITE TO BE SELECT NATIVE MATERIAL, COMPACTED TO 98% SPMDD. ALL TRENCHING AS PER OCCUPATION HEALTH & SAFETY ACT.
10. ALL SEWERS ABOVE 150mm TO PVC. SEWERS TO BE PVC SDR-28 .STM & SAN SEWERS TO HAVE RUBBER GASKET JOINTS. CONTRACTOR TO USE LASER TO INSTALL SEWERS.
11. 100Ø-200Ø WATERMAIN TO BE CL150 DR-18. 25Ø WATERMAIN TO BE MUNICIPEX WATERMAIN TO BE INSTALLED WITH MIN. 1.5m COVER. PLASTIC FITTINGS TO BE CERTIFIED TO CSA B137.2. FIRE HYDRANT AS PER CITY STANDARDS.
12. MANHOLE FRAME/COVER AS PER OPSD 401.01-A (CLOSED). ALL MANHOLES AS PER OPSD 701.010 (1200Ø). MANHOLES STEPS AS PER OPSD 405.01 (ALUMINUM). MANHOLE COMPONENTS AS PER OPSD 701.03. STORM CATCHBASINS AS PER OPSD 705.010 AND DICB'S AS PER OPSD 703.020 WITH 600mm SUMP. CBMH AS PER OPSD 701.01 (1200Ø) W/ 600mm SUMP. CB COVERS AS PER OPSD 400.02
13. WRITTEN AUTHORIZATION IS REQUIRED FROM THE CITY OF NIAGARA FALLS WATER DEPARTMENT PRIOR TO CONSTRUCTION OF WATER MAIN AND WATER SERVICES WITHIN THE CITY OF NIAGARA FALLS' ROAD ALLOWANCE INCLUDING A LISTING OF MATERIALS BEING USED, NOTIFICATIONS TO EXISTING CUSTOMERS AND THE METHOD OF INSTALLATION, TESTING AND DISINFECTION.
14. A 5.4 KG ANODE IS REQUIRED ON EACH OF THE WATER SERVICE MAIN STOPS AND CURB STOPS.
15. WATER SERVICES SHALL BE 19mm DIAMETER, TYPE 'K' SOFT COPPER TUBING, TO ASTM B88 STANDARDS UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS
16. ALL MATERIALS FOR WATER SERVICE AND INSTALLATION PROCEDURE MUST BE IN ACCORDANCE TO CITY OF NIAGARA FALLS STANDARDS.
17. STORM SERVICES BUILDING LATERALS TO BE 100mm DR 28 PVC PIPES AND INSTALLATION MUST BE IN ACCORDANCE TO CITY OF NIAGARA FALLS STANDARDS.
18. SANITARY SERVICES LATERALS TO BE 100mm DR35 PVC PIPES AND AND INSTALLATION MUST BE IN ACCORDANCE TO CITY OF NIAGARA FALLS.
19. IN CASE OF HORIZONTAL CLEARANCE OF 2.5m BETWEEN WATERMAIN AND SEWERS IS NOT POSSIBLE AS PER MOECC, ENSURE A VERTICAL CLEARANCE OF 0.5m IS KEPT BETWEEN WATERMAIN INVERT AND SEWER ORVERT



# NG BLOSSOM AGARA FALLS

Project No. 25037

### Drawing No. 3



# 7956 SPRING BLOSSOM DRIVE, NIAGARA FALLS

## FSC PLAN

N.T.S.

## EROSION CONTROL NOTES:

1. ALL SILT FENCING TO BE INSTALLED PRIOR TO COMMENCEMENT OF ANY AREA GRADING, EXCAVATING, OR DEMOLITION TO PROTECT ADJACENT AREAS FROM MIGRATION OF SEDIMENT IN OVERLAND FLOW.
2. EROSION CONTROL FENCING TO BE PLACED AROUND THE BASE OF ALL STOCKPILES. ALL STOCKPILES MUST BE KEPT A MINIMUM DISTANCE OF 2.5M FROM ALL PROPERTY LINES AND 15M AWAY FROM ALL WATER COURSES.
3. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MANHOLES AND/OR CATCHBASINS AS PER THE ATTACHED FOUND IN THE DRAWING SET.
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 ENGINEER 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 RESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
7. NO ALTERNATE METHODS OF EROSION CONTROL PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY ENGINEER AND THE TOWN OF QUINTE WEST (ENGINEERING).
8. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SEDIMENTS FROM THE MUNICIPAL ROADWAY AND SIDEWALKS AT THE END OF EACH WORK DAY.
9. ALL CATCHBASINS SHALL BE PROTECTED WITH EITHER SILT SACKS OR WRAPPED IN GEOTEXTILE CLOTH.
10. THE ENGINEER TO MONITOR THE SITE DEVELOPMENT TO ENSURE ALL EROSION CONTROLS ARE INSTALLED AND MAINTAINED TO CITY REQUIREMENTS. CONTRACTOR TO COMPLY WITH THE ENGINEER'S INSTRUCTIONS TO INSTALL, MODIFY, OR MAINTAIN EROSION CONTROL WORKS.
11. ALL DISTURBED AREAS WILL BE STABILIZED AS QUICKLY AS POSSIBLE TO MINIMIZE THE OPPORTUNITY FOR EROSION PER OPSS 572
12. SLOPES GREATER THAN 5:1 WILL BE STABILIZED USING SUITABLE METHODS (E.G., EROSION CONTROL MATS, TACKIFIER AND SEED, ETC.) AS SOON AS PRACTICAL.
13. SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
14. ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE TOWN OF QUINTE WEST.
15. ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWN OF QUINTE WEST.
16. SILT FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION SURROUNDING THE SITE.

## LOCATES AND LIABILITY:

LOCATES AND LIABILITY:

1. THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO THE ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE CITY.
2. THE LOCATION OF ALL UNDER/ABOVE GROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY, AND WHERE SHOWN ON THE DRAWING(S) THE ACCURACY OF THE LOCATION OF SUCH UTILITIES ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES BY CONSULTING THE APPROPRIATE AUTHORITIES OR UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE OR RESTORATION TO SAME.
3. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY CONFLICTS WITH EXISTING SERVICES.

