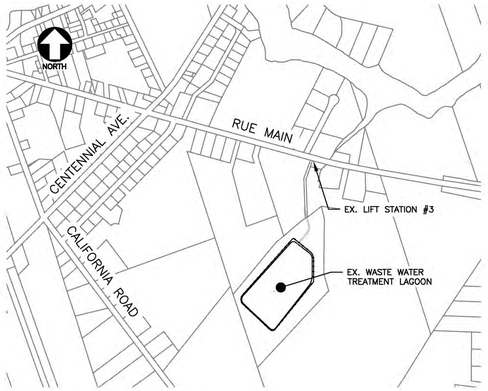

GENERAL LOCATION
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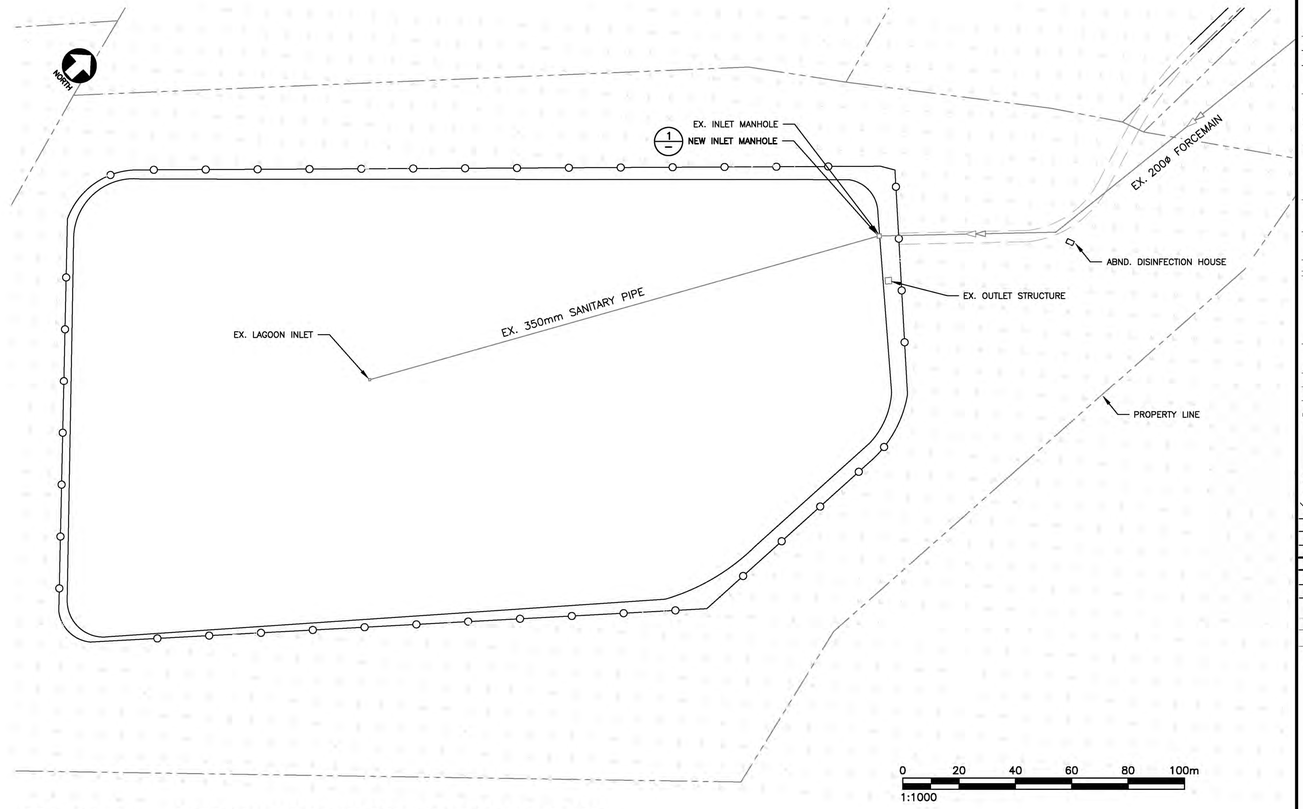


SITE PLAN – REXTON WASTEWATER TREATMENT PLANT
1:1000

SPECIFICATIONS

1.0 ENVIRONMENTAL PROTECTION
.1 MAINTAIN SITE IN A CLEAN AND SAFE MANNER IN ORDER TO MINIMIZE EROSION AND SEDIMENT MOVEMENT.
.2 IF TRACK OUT OF SEDIMENT INTO THE STREET IS OCCURRING THE STREET SHALL BE SWEPT AT THE END OF EACH DAY.
.3 THE CONTRACTOR SHOULD SCHEDULE TASKS TO MINIMIZE THE EXPOSURE OF SOIL. AREAS THAT ARE DISTURBED SHOULD BE STABILIZED BY THE END OF THAT WORK DAY.

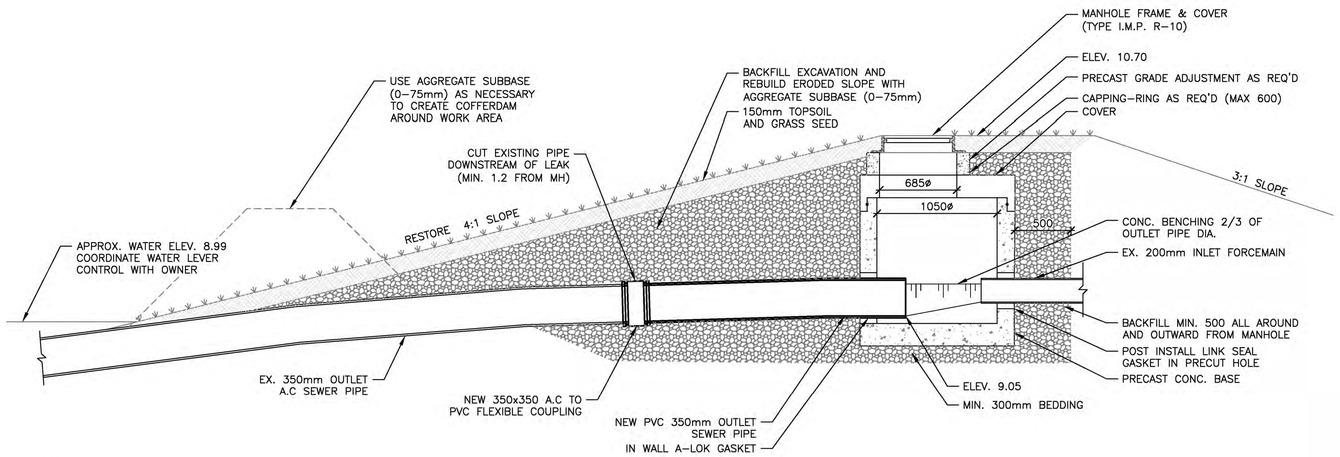
2.0 SITE GRADING, EXCAVATION AND BACKFILLING
.1 NOTIFY CLIENT REPRESENTATIVE WHENEVER UNSUITABLE MATERIALS ARE ENCOUNTERED AND REMOVE UNSUITABLE MATERIALS TO DEPTH AND EXTENT DIRECTED.
.2 INSPECTION OF THE BOTTOM OF EXCAVATION WILL BE CARRIED OUT BY CONSULTANT. CONTRACTOR SHALL NOTIFY CLIENT REPRESENTATIVE 24 HRS PRIOR TO BEING READY FOR TESTING.
.3 PERFORM ALL EXCAVATION WITHIN PLUS OR MINUS 75mm OF THE LINES, GRADES AND DIMENSIONS SHOWN ON THE DRAWINGS, OR AS ESTABLISHED BY THE CLIENT REPRESENTATIVE. DURING THE PROGRESS OF THE WORK, THE CLIENT REPRESENTATIVE MAY VARY THE LINES, GRADES AND DIMENSIONS OF THE EXCAVATIONS FROM THOSE SPECIFIED IN THIS SECTION.
.4 TAKE NECESSARY PRECAUTIONS TO PRESERVE THE MATERIAL BELOW AND BEYOND THE LINES OF ALL EXCAVATION IN THE SOUNDEST POSSIBLE CONDITION.
.5 EXCAVATED MATERIAL SHALL BE CONSIDERED PROPERTY OF THE CONTRACTOR. SURPLUS EXCAVATED MATERIAL, AFTER ALL BACKFILLING IS COMPLETE, SHALL BE DISPOSED OF.

3.0 TRENCH EXCAVATION, BEDDING AND BACKFILLING
.1 TRENCHES FOR PIPING, CONDUIT, AND RELATED EXCAVATIONS SHALL BE OF SUFFICIENT WIDTH AND DEPTH AT ALL POINTS TO ALLOW PIPES TO BE LAID, JOINTS TO BE FORMED, AND APPURTENANCE STRUCTURES TO BE BUILT.
.2 EXCAVATE TRENCHES SO PIPE CAN BE LAID TO THE ALIGNMENT AND DEPTH REQUIRED. EXCAVATION LENGTH TO BE NOT MORE THAN PIPE LENGTH THAT CAN BE LAID AND BACKFILLED IN ONE DAY. BRACE AND DRAIN TRENCH SO WORKERS MAY WORK SAFELY AND EFFICIENTLY.
.3 REMOVE ORGANIC MATERIAL AND SOFT DEPOSITS TO A DEPTH WHERE MEDIUM DENSE TO DENSE MATERIALS ARE ENCOUNTERED.
.4 DEWATER EXCAVATION TO KEEP IN–SITU AND IMPORTED MATERIAL DRY UNTIL MANHOLE IS PLACED AND BACKIFILLING IS UNDERWAY.
.5 DO NOT STOCKPILE EXCAVATED MATERIALS WITHIN 5M OF THE TRENCH OR SLOPES.
.6 PLACE GRANULAR BEDDING MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS TO DEPTH AS INDICATED.
.7 SHAPE BED TRUE TO GRADE TO PROVIDE CONTINUOUS UNIFORM BEARING SURFACE FOR PIPE. DO NOT USE BLOCKS WHEN BEDDING PIPE.
.8 COMPACT EACH LAYER FULL WIDTH OF BED TO AT LEAST 98% OF CORRECTED MAXIMUM DRY DENSITY.
.9 AFTER PIPE AND MANHOLE INSTALLATION, PLACE AND COMPACT BEDDING WITH 75mm MINUS SUBGRADE MATERIAL.
.10 AFTER THE MANHOLE HAS BEEN INSTALLED, BACKFILL TRENCHES AND OTHER EXCAVATED AREAS WITH MATERIALS SHOWN.
.11 RESTORE ERODED AREA BETWEEN MANHOLE AND LAGOON BACKFILL WITH IN A 4:1 SLOPE.

4.0 PIPING
.1 DIAMETER, MATERIAL AND STRENGTH CLASS OF PIPE AND FITTINGS: AS INDICATED BELOW.
.2 PROVIDE SHOP DRAWINGS FOR ALL PIPE, FITTINGS, AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE INSTALLATION.
.3 CONTACT MUNICIPALITY AND LAND OWNER PRIOR TO BEGINNING YARD PIPING WORK. DO NOT OPERATE ANY MUNICIPAL VALVES.
.4 MATERIAL:
  .1 PVC SEWER: TYPE PSM POLYVINYL CHLORIDE, TO CAN/CSA–B182.1 FOR 150 MM DIA. AND SMALLER, AND TO CAN/CSA–B182.2 FOR OVER 350 mm DIA., DR 35 (OR AS NOTED ON DRAWINGS), COMPLETE WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS.
  .2 FITTINGS:
    .1 COUPLING: FLEXIBLE COUPLING 350x350mm
  .3 CONFIRM PIPE AND FITTINGS ARE CLEAN BEFORE INSTALLATION.
  .4 LAY AND JOIN PIPE AND FITTINGS AS SPECIFIED HEREIN AND ACCORDING TO MANUFACTURER'S PUBLISHED INSTRUCTIONS
  .5 FACE BELL ENDS IN DIRECTION OF LAYING.
  .6 DO NOT EXCEED MAXIMUM JOINT DEFLECTION RECOMMENDED BY MANUFACTURER.
  .7 PREVENT ENTRY OF BEDDING MATERIAL, WATER OR OTHER FOREIGN MATTER INTO PIPE. USE TEMPORARY WATERTIGHT BULKHEADS WHEN LAYING WATER PIPE.
  .8 ALIGN PIPES BEFORE JOINING.

.5 STRUCTURES:
  .1 PROVIDE SHOP DRAWINGS FOR STRUCTURE AND ALL OTHER ITEMS NECESSARY FOR A COMPLETE INSTALLATION.
  .2 MANHOLES SHALL BE OF PRECAST CONCRETE SECTIONS CERTIFIED TO CSA A257.4 AND CONFORMING TO ASTM C478.
  .3 MANHOLES SHALL BE BUILT WATERTIGHT, THE SECTIONS HAVING APPROVED RUBBER GASKET MEETING THE REQUIREMENTS OF CSA A257.3 AND ASTM C443.
  .4 BACKFILL WITH 75mm MINUS GRANULAR MATERIAL AT 98% COMPACTION AROUND THE PERIMETER OF THE MANHOLE SHALL COVER A DISTANCE OF 500mm MEASURED FROM OUTSIDE WALL OF THE STRUCTURE.

5.0 TOPSOIL AND SEEDING
.1 TOPSOIL FOR GRASS AREA SHOULD HAVE A PH VALUE BETWEEN 6.5 AND 8.0.
.2 TOPSOIL TO BE SPREAD IN UNIFORM LAYER OVER DRY GROUND SURFACE THROUGHOUT THE BACKFILLED AREA. TOPSOIL SHALL NOT BE PLACED ON FROZEN GROUND SURFACE.
.3 TOPSOIL TO BE A MINIMUM DEPTH OF 150mm.
.4 SEED WITH NBDTI HIGHWAY MIX.



1 DETAIL – PROPOSED MANHOLE AND PIPE REPAIR
1:25

LEGEND

- BH BOREHOLE
- TP TEST PIT
- CONTROL POINTS
- (EX.) PROPERTY LINE (PR.)
- (EX.) EASEMENT LINE (PR.)
- (EX.) EASEMENT LINE (PR.)
- (EX.) PROPERTY PIN (PR.)
- (EX.) WATERMAIN (PR.)
- (EX.) GATE VALVE (PR.)
- (EX.) WATERMAIN FITTINGS (PR.)
- (EX.)WATERMAIN BENDS(PR.)
- (EX.) FIRE HYDRANT (PR.)
- (EX.) WELL (PR.)
- (EX.) SANITARY SEWER (PR.)
- (EX.) SANITARY MH (PR.)
- (EX.) COMBINED SEWER (PR.)
- (EX.) COMBINED MH (PR.)
- (EX.) STORM SEWER (PR.)
- (EX.) CULVERT (PR.)
- (EX.) STORM MH (PR.)
- (EX.) STORM CATCHBASIN (RND.) (PR.)
- (EX.) STORM SLUICE BOX (PR.)
- (EX.) STORM HEADWALL (PR.)
- GAS (EX.) U/G GAS (PR.)
- GV (EX.) GAS VALVE (PR.)
- U/G (EX.) U/G POWER (PR.)
- O/H (EX.) O/H POWER (PR.)
- TB (EX.) TELECOMM / DATA (PR.)
- U.P. (EX.)UTILITY POLE / GUY WIRE(PR.)
- (EX.) LIGHT STANDARD (PR.)
- (EX.) BOLLARD (PR.)
- SN (EX.) ROAD SIGN (SM.) (PR.)
- (EX.) TREE (HARDWOOD) (PR.)
- (EX.) TREE LINE (PR.)
- (EX.)CHAINLINK FENCE(PR.)
- (EX.)DECORATIVE FENCE(PR.)
- (EX.) SILT FENCE (PR.)
- GRADING/SITE LIMITS
- ASPHALT KEY LIMITS
- (EX.) DITCH (PR.)
- (EX.) TOP OF SLOPE (PR.)
- (EX.) GRADE BREAK (PR.)
- 20.0 (EX.) MAJOR CONTOUR (PR.) 19.0
- 20.0 (EX.) MINOR CONTOUR (PR.) 19.0
- × 19.00 (EX.) SPOT ELEVATION (PR.) × 19.000

No.	Description	Date	By
0	ISSUED FOR TENDER	2025-07-04	BT

Revision or Issue

File No. 253424.00

MUNICIPALITY OF FIVE RIVERS

REPLACEMENT OF EXISTING MANHOLE

SITE PLAN & DETAIL

CBCL

REGISTERED PROFESSIONAL ENGINEER Province of New Brunswick #M6753 Brennan S. Thorne Signature 2025-07-20 Date Province du Nouveau-Brunswick INGÉNIEUR IMMATRICULÉ

CBCL No 253424.00	Contract No -
Date 2025-05-28	Scale AS NOTED
Designed BT	Drawn MC
Checked BT	Approved BT
Sheet No 1 of 1	
Drawing No C01	