

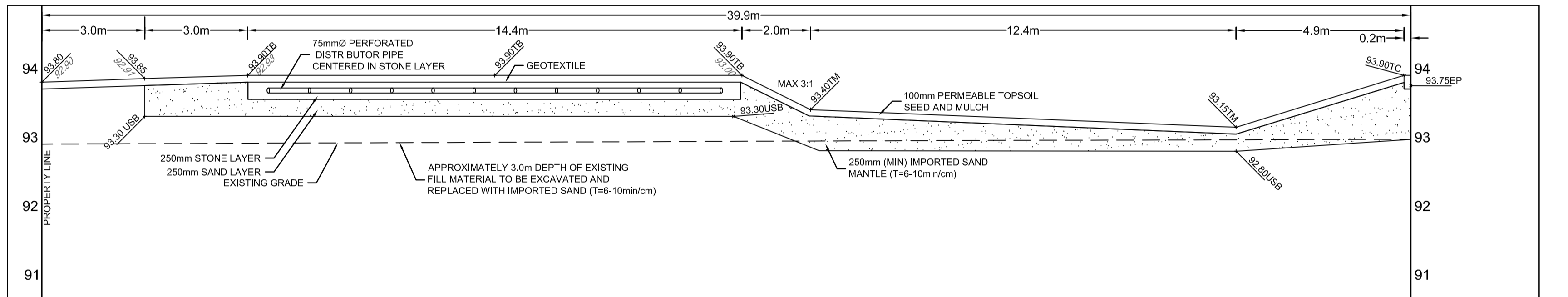
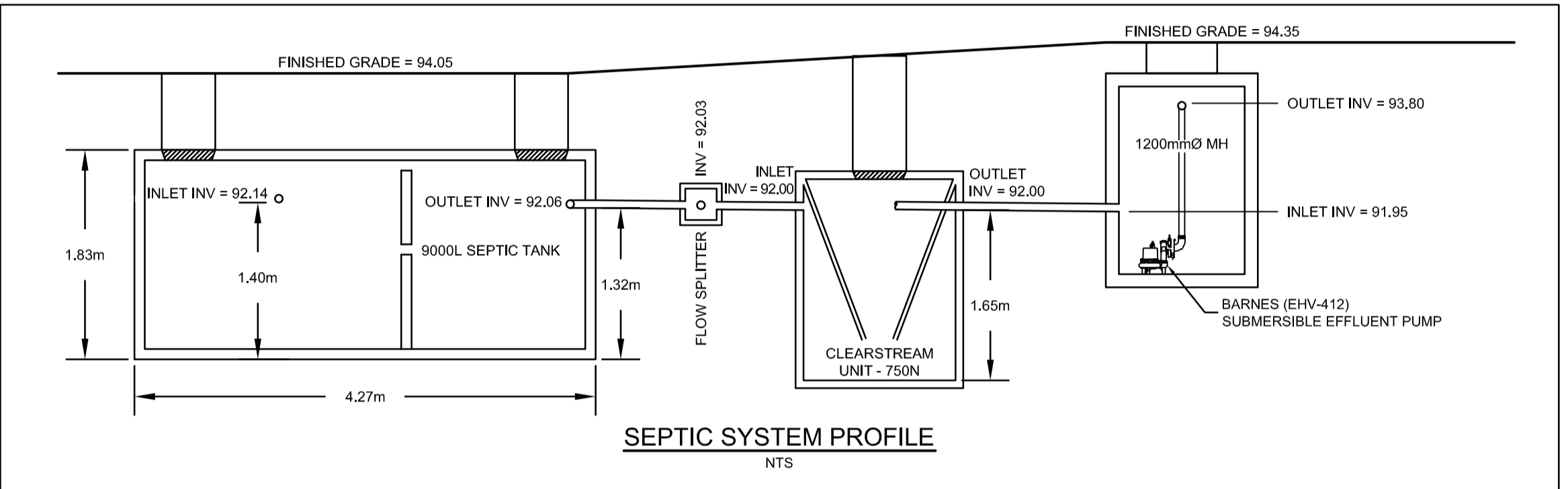
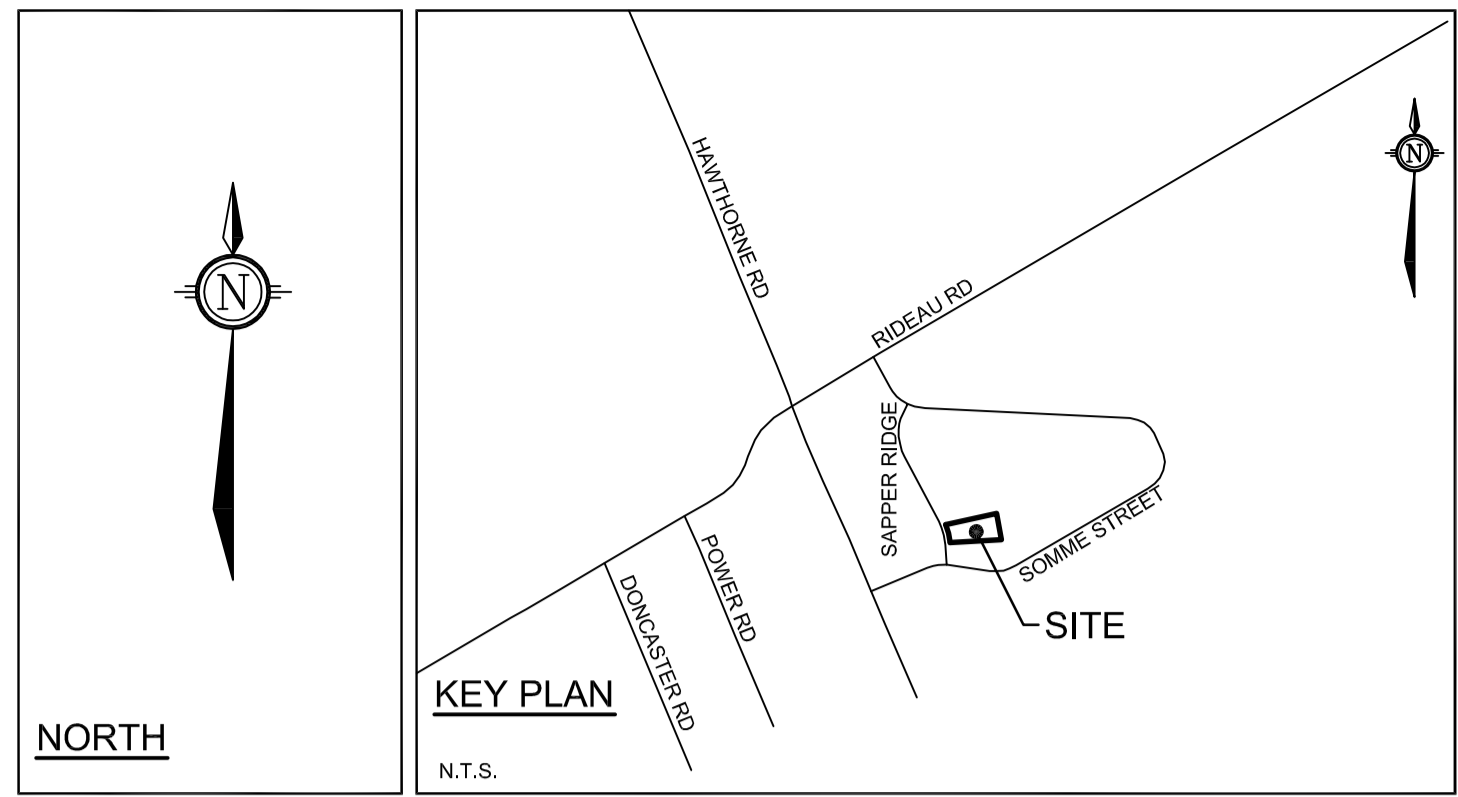
AREA BED PLAN VIEW
SCALE 1:100

SEPTIC SYSTEM NOTES:

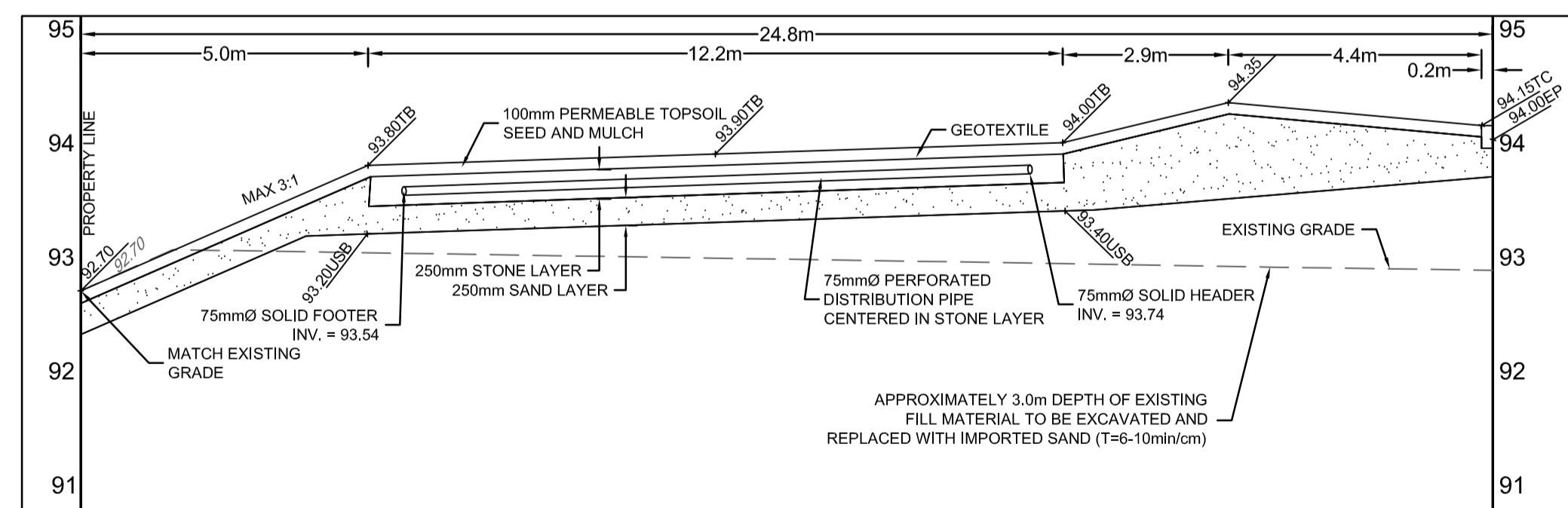
- THE PROPOSED SEPTIC SYSTEM CONSISTS OF A SEPTIC TANK, THREE CLEARSTREAM PRE-TREATMENT UNITS, A LIFT PUMP AND AN AREA BED WHICH HAS BEEN DESIGNED BASED ON A SEWAGE FLOW OF 8,550 L/DAY.
- INSTALLATION IS TO BE IN ACCORDANCE WITH CURRENT ONTARIO BUILDING CODE REQUIREMENTS, BUILDING MATERIALS EVALUATION COMMISSION AND THE ENGINEER'S BRIEF PREPARED BY NOVATECH ENGINEERING CONSULTANTS LTD.
- THE OWNER IS REQUIRED TO ENTER INTO A SERVICE AND MAINTENANCE AGREEMENT FOR THE CLEARSTREAM UNITS, IN ACCORDANCE WITH ONTARIO BUILDING CODE REQUIREMENTS.
- THE SEPTIC SYSTEM IS TO BE INSTALLED BY AN INSTALLER AUTHORIZED BY THE CLEARSTREAM MANUFACTURER.
- THE FOLLOWING SETBACKS ARE REQUIRED:
- TILE TO ANY DRILLED WELL = (17.3m) (min)
- TILE TO PROPERTY LINE = (5.0m) (min)
- STRUCTURE TO TILE = (7.0m) (min)
- SEPTIC TANK TO ANY DRILLED WELL = 15.0m (min)
- TANK SIZE - 9,000L (min)
- THE SEPTIC TANK IS TO BE FITTED WITH AN EFFLUENT FILTER IN ACCORDANCE WITH MANUFACTURING SPECIFICATIONS.
- TANK LIDS ARE TO BE LEFT ACCESSIBLE FOR PUMPING.
- CLEARSTREAM MODEL 750N (3 UNITS REQUIRED)
- ALL BENDS IN THE PIPE FROM THE BUILDING TO THE HEADER ARE TO BE 22.5 OR 45.0 DEGREES.
- A MANTLE IS REQUIRED IN THE DIRECTION OF THE SURFACE DRAINAGE FLOW. IMPORTED SAND MATERIAL IS REQUIRED. IMPORTED SAND TO HAVE A PERCOLATION TIME OF 5 TO 10 MINUTES PER CENTIMETRE.
- CONSTRUCTION TRAFFIC AND MATERIALS ARE TO BE KEPT AWAY FROM THE SEPTIC SYSTEM, INCLUDING THE MANTLE.
- SEPTIC SYSTEM ELEVATIONS ARE NOT TO BE REVISED WITHOUT PERMISSION OF NOVATECH ENGINEERING CONSULTANTS LTD.
- THE SEPTIC SYSTEM HAS BEEN DESIGNED TO TREAT DOMESTIC WASTE ONLY. THE FOLLOWING ARE NOT TO BE CONNECTED TO THE SEPTIC SYSTEM.
- WATER SOFTENER
- SUMP PUMP
- ROOF DRAINS
- PROCESS WATER
- REAR FLOOR DRAINS:
ADDITIONAL EFFLUENT OTHER THAN WATER, OIL AND GRIT IN THE REAR BAYS MUST NOT BE DISCHARGED TO THE SEPTIC SYSTEM. THIS EFFLUENT IS TO BE CAPTURED AND HAULED OFFSITE.
- INSTALLATION OF SEPTIC SYSTEM TO BE INSPECTED BY OTTAWA SEPTIC SYSTEM OFFICE (OSSO) AND NOVATECH ENGINEERING CONSULTANTS LTD.
- NOVATECH'S DESIGN AND INSPECTION SERVICES DO NOT RELIEVE THE SEPTIC SYSTEM INSTALLER OF THE RESPONSIBILITY FOR GUARANTEEING WORKMANSHIP AND MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR SURVEYING AS-BUILT ELEVATIONS AND PROVIDING THE REQUIRED AS-BUILT INFORMATION AND DRAWINGS TO THE OSSO.

BENCHMARK
SITE BENCHMARK: NAIL IN EXISTING HYDRO OTTAWA POLE
ELEVATION = 92.45m

- 94.48 PROPOSED GRADE
- 92.85 EXISTING GRADE
- 92.03(5) PROPOSED SWALE INVERT
- 93.50 INV INVERT OF PROPOSED PIPE
- 93.50 INV
- TB TOP OF SEPTIC BED
- TM TOP OF SEPTIC MANTLE
- USB UNDERSIDE OF SEPTIC BED
- EP EDGE OF PAVEMENT
- TC TOP OF CURB
- FF FINISHED FLOOR ELEVATION
- W EXISTING WELL (APPROXIMATE LOCATION)
- O EXISTING HYDRO OTTAWA POLE
- TP13-201 APPROXIMATE TEST PIT LOCATIONS (HOULE CHEVRIER 2013)



AREA BED CROSS SECTION A-A
H SCALE = 1:100
V SCALE = 1:50



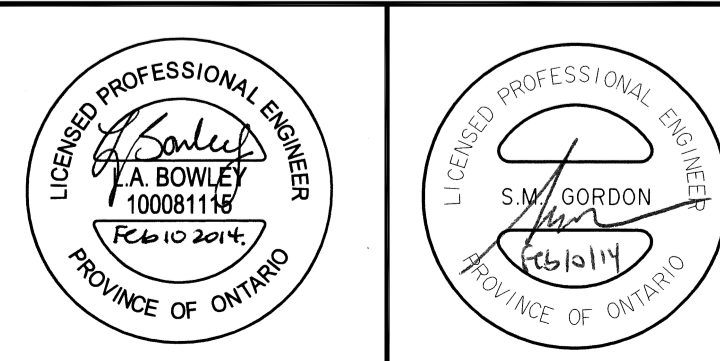
AREA BED CROSS SECTION B-B
H SCALE = 1:100
V SCALE = 1:50

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPROVAL	FEB 10/14	LAB

SCALE	DESIGN
AS NOTED	LAB
	CHECKED SMG
	DRAWN TGP
	CHECKED LAB
	APPROVED SMG

FOR REVIEW ONLY



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CITY OF OTTAWA
35 SAPPERS RIDGE - APEX SOUTH BUSINESS CENTRE

SEPTIC SYSTEM PLAN

PROJECT NO.	112034B-1
REV	REV # 1
DRAWING NO.	112034-SEP