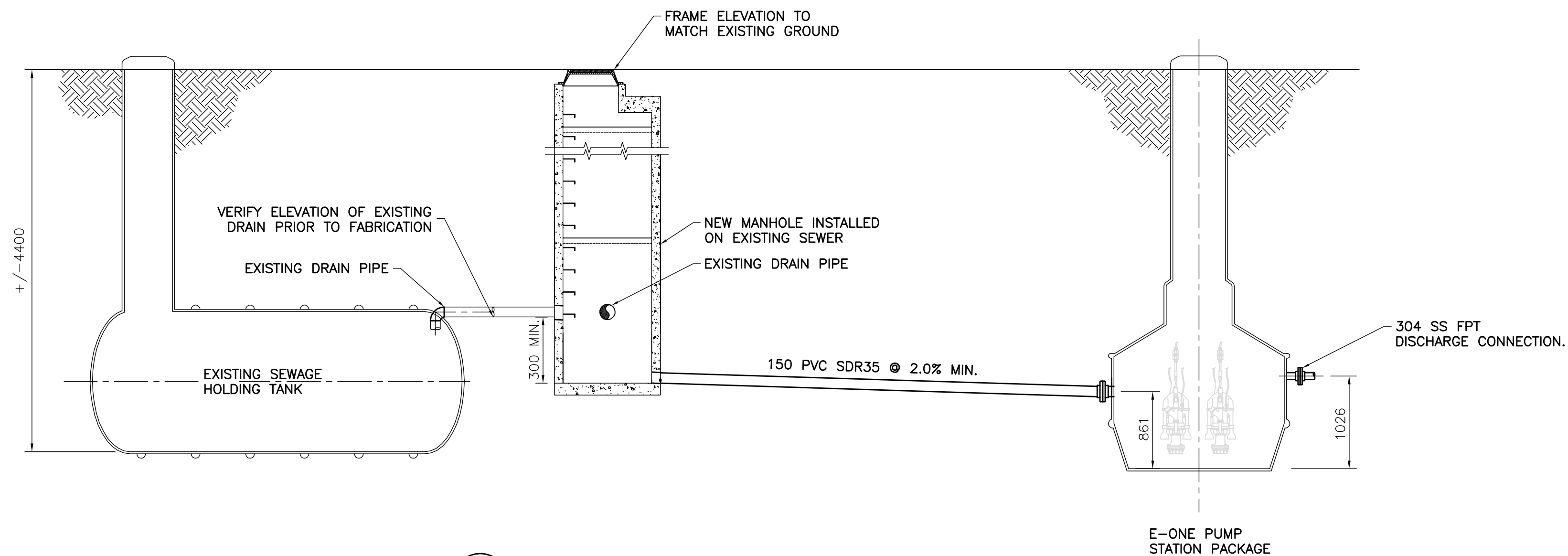


1 PLAN-EX. FRP TANK MODIFICATION  
1:40



2 PROFILE  
1:40

NOTES:

- FIELD CONFIRM ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO START OF WORK. MEASUREMENT OF DEPTH, SIZE AND SHAPE OF EXISTING SEWAGE TANK TO BE TAKEN BY CONTRACTOR.
- ALL PIPING INSTALLATIONS SHALL BE BELOW FROST ZONE.
- PUMP SHALL BE E-ONE MODEL 2016 SERIES, 0.75 kW PROGRESSIVE CAVITY GRINDER PUMP, WITH 120 V MOTOR. THE PUMP PACKAGE SHALL INCLUDE CHECK VALVE, LEVEL MONITORING DEVICES, ISOLATION VALVE/ANTI-SIPHON VALVE, STANDARD VENT, CONTROL PANEL, ETC., ALL MATERIALS EXPOSED TO WASTEWATER SHALL HAVE INHERENT CORROSION PROTECTION. PROVIDE COMPLETE PACKAGE SHOP DRAWING FOR REVIEW.
- ALL ELECTRICAL COMPONENTS TO BE CSA APPROVED. PROVIDE NEMA 4 ENCLOSURE FOR CONTROL PANEL. THE ALARM PANEL SHALL INCLUDE THE FOLLOWING FEATURES: VISUAL ALARM, PUSH-TO-RUN SWITCH, AND HIGH LEVEL (REDUNDANT) PUMP STARTING CONTROL.
- PROVIDE ONE ADDITIONAL ON-SHELF STANDBY PUMP CORE COMPLETE WITH ALL OPERATIONAL CONTROLS, LEVEL SENSORS, CHECK VALVE, PUMP/MOTOR UNIT, AND GRINDER.
- THE PUMP SUPPLIER TO PROVIDE CERTIFIED FACTORY TEST RESULTS.
- ALL GRINDER PUMP UNITS SHALL BE DELIVERED TO THE SITE 100 PERCENT COMPLETELY ASSEMBLED, INCLUDING TESTING, READY FOR INSTALLATION.
- THE ALARM DEVICE SHALL BE MOUNTED IN A CONSPICUOUS LOCATION BY THE CONTRACTOR IN ACCORDANCE WITH RELATED CODES.
- START-UP AND FIELD TESTING SHALL BE DONE BY QUALIFIED FACTORY TRAINED TECHNICIAN(S).
- PROVIDE 1300x1000x200 DEEP CONCRETE PAD TO MOUNT CONTROL PANEL. PAD TO BE R/W 15M @ 300 o/c E.W. MID.

PARAMETERS	
LID ELEVATION	SITE CONFIRM
FINISHED GRADE ELEVATION	SITE CONFIRM
STATION FLOOR ELEVATION	SITE CONFIRM
STATION DIAMETER	
TOTAL DEPTH	APPROX. 4.57 m
PUMP DISCHARGE PIPING DIA.	32 mm
NUMBER OF PUMPS	TWO (2), ONE DUTY, ONE STANDBY
PUMP TYPE	SUBMERSIBLE POSITIVE DISPLACEMENT GRINDER
PUMP STATION MODEL No.	E-ONE 2016
POWER SUPPLY VOLTAGE	120/240V
POWER TYPE (NO. OF PHASES)	1
INVERT INLET PIPE FROM WTP	N/A
FORCEMAIN INVERT ELE.	AS SHOWN IN DRAWING,
HIGH WL ALARM ELEVATION	BY SUPPLIER
HWL OR PUMP ON LEVEL	BY SUPPLIER
LWL OR PUMP OFF LEVEL	BY SUPPLIER
PUMP FLOW	0.57 TO 0.70 L/s
DISCHARGE HEAD	410 TO 275 kPa
MAX FLOW	0.95 L/s @ 0 kPa
VENT	BY SUPPLIER TO SUIT. PIPE TO BE 100mm MIN.
CONTROL PANEL	BY SUPPLIER

 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV.	 Frederickson Cooper ARCHITECTS DESIGNED BY: GK DRAWN BY: JBC/SRP SCALE: AS SHOWN NO. REVISIONS: 00 ISSUED FOR TENDER (94-2007) 07/02/20 GSK DATE: 2006/11/21	 EarthTech A Tyco International Ltd. Company CHECKED BY: AHL APPROVED BY: AHL RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI DATE: 2007/02/20	ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION WATER TREATMENT PLANT SITE UTILITIES CIVIL SANITARY PUMP STATION PLAN, SECTIONS AND DETAILS	CITY FILE NUMBER
				ORIGINAL SIGNED BY		CITY DRAWING NUMBER
				K.W. FITCHETT		1-0601H-C-C0451-001-000
				2007/02/20		CONSULTANT DRAWING NO. WH-C0451