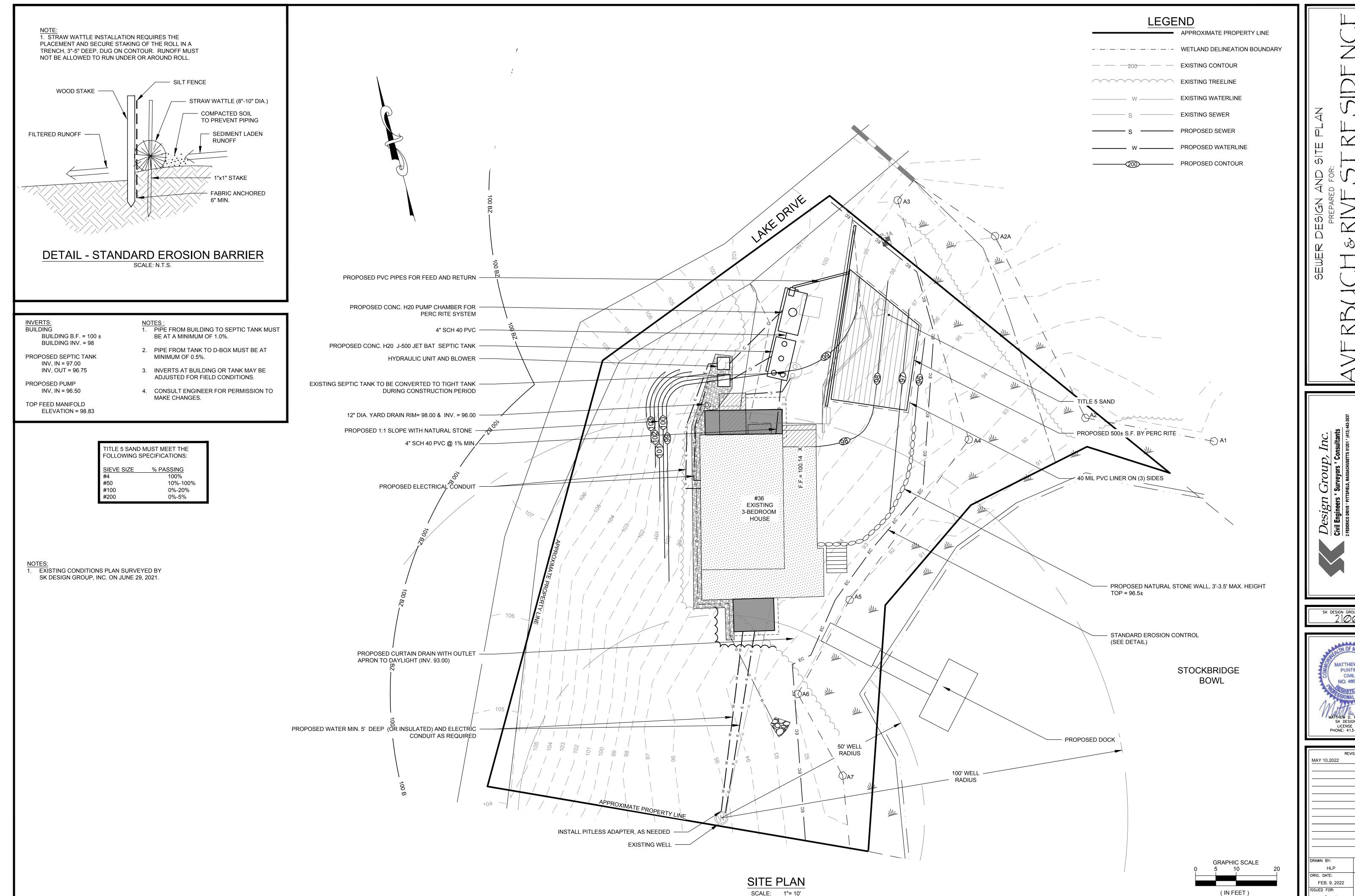


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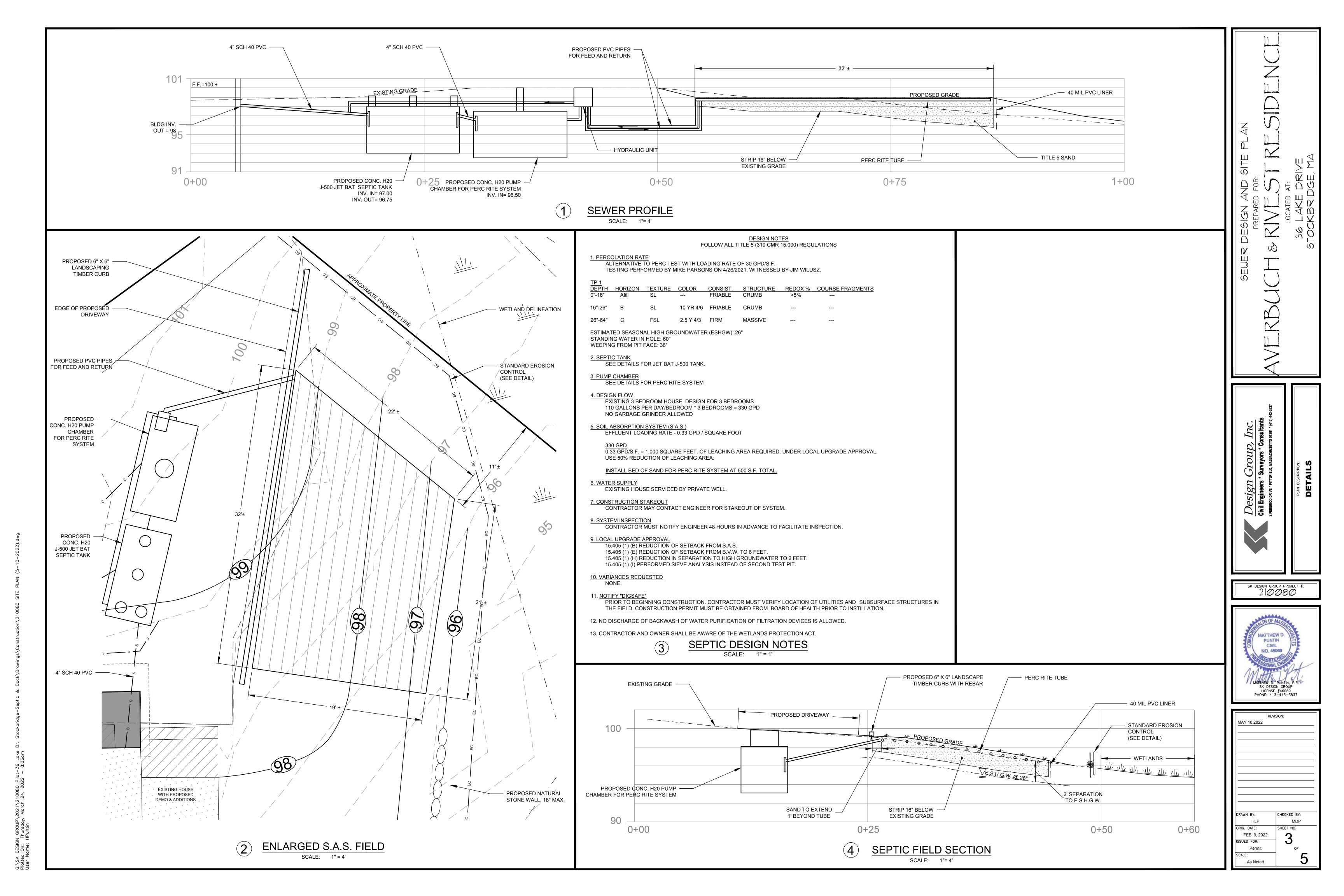


SK DESIGN GROUP PROJECT #: 210080

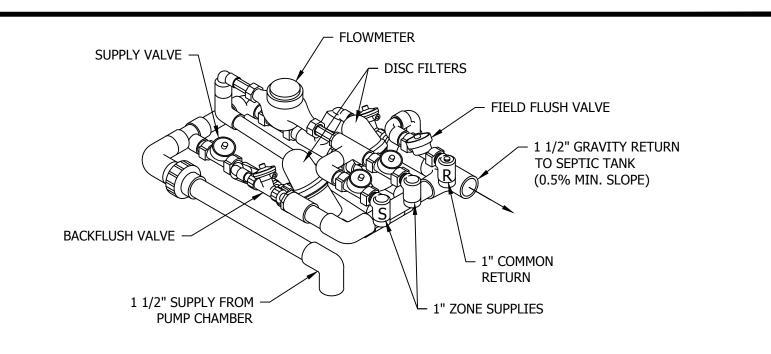
MATTHEW D. PUNTIN, P.E. SK DESIGN GROUP LICENSE #46069 PHONE: 413-443-3537

MDP Permit As Noted

1 INCH =10 FEET



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PERC-RITE HYDRAULIC UNIT (15 GPM)

(NOT TO SCALE)

GENERAL CONSTRUCTION NOTES:

- The system shall not be installed in wet or frozen soils.
- Do not park, drive large equipment, or store materials on the dispersal area. No activity should occur on the dispersal area other than the minimum required to install the system.
- All installation and construction techniques shall conform to the state and local codes pertaining to on-site wastewater systems and the permit for the site.
- If site conditions are determined to require the installation of the system to deviate from the design plans, all work shall stop
- immediately and the designer and inspector shall be notified. Any ongoing work shall be the sole responsibility of the contractor. Drip tubing may be installed with a vibratory plow, a static plow, a narrow trencher (< 6" wide), by hand trenching, or by scarifying the surface and bedding the drip tubing in clean sand meeting the requirements for fill material in the state code. For sand fill
- systems, cover consisting of 2" of the same sand and then topsoil meeting the approved depth requirement shall be provided. All drip tubing is to be installed parallel to the contour.
- Air release valves shall be placed below the ground surface in an insulated valve box but at an elevation above the highest drip line
- Vegetative cover must be replaced for installations where it is removed or buried during installation.
- All cutting of rigid pvc pipe, flexible pvc, and drip tubing of size 2" or smaller shall be accomplished with pipe cutters. No sawing is
- 10. All rigid PVC pipe, flexible PVC pipe and drip tubing shall have the ends covered with duct tape after cutting to prevent construction
- 11. Prior to gluing, all joints shall be inspected for and cleared of any debris. All joints shall be cleaned and primed with pvc primer prior to being glued.
- 12. All PVC pipe and fittings shall be sch 40.
- 13. Whenever possible, all force mains shall be tested for leaks prior to being back- filled by pressurizing the system and observing for
- 14. The hydraulic unit shall be placed on top of the septic/treatment tank, pump chamber, or on a bed of 4" 6" thick 3/4" gravel in a location within 30' of the pump.
- 15. If standing water is a problem in the vicinity of the hydraulic unit, a screened drain to daylight is required.
- 16. Electrician to provide separate circuits for the pump and controls/alarm, or as required by state and local codes. 17. All conduit entering the control panel shall be sealed at both ends to prevent condensation or gases inside the panel.

COLD CLIMATE NOTES:

-CONTROL UNIT PANEL

ACESSIBLE LOCATION

CONDUIT TO PANEL BY CONTRACTOR

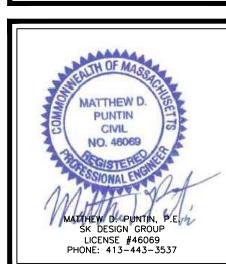
- All attempts should be made to place the hydraulic unit in a location with an open southern exposure for warming purposes. All pipes entering and leaving the hydraulic unit shall elbow vertically down 90 degrees to a depth below the frost line prior to
- extending away from the unit horizontally. The supply and return lines shall be installed below the frost line. When this is not possible, rigid foam insulation (min 1" thick) shall be placed over those pipes that are above the frost line.
- The vertical sections of pipe that travel through the frost zone and connect the supply and return lines to the manifolds shall be insulated sch 40 pvc pipe. Insulation shall consist of foam pipe wrap insulation and 1" rigid foam insulation strips made into a box. (see insulation detail)
- Foil wrap insulation shall be placed over the supply/return manifolds and loop connectors so that at least 1' of insulation extends
- each direction beyond the fittings. (see insulation detail) Air release valve enclosures shall be insulated with bagged Styrofoam peanuts, foil wrap insulation, and rigid foam insulation inside
- All loops connecting drip runs shall be slightly elevated (minimum 1" 2") so that they drain into the drip tubing after the pump shuts off. It is the contractor's responsibility to ensure that these loops stay elevated during and after the loops are backfilled.
- Dense vegetative cover is to be established over the supply trench, return trench, manifolds, and drip tubing prior to the first exposure to freezing temperatures. If vegetation cannot be established then the entire drip dispersal field is to be covered with a thick layer (minimum 6") of mulch, straw/hay, or frost blanket until such turf cover is established.
- Vegetation height over the drip dispersal area should be a minimum of 4" 6" throughout the winter months.



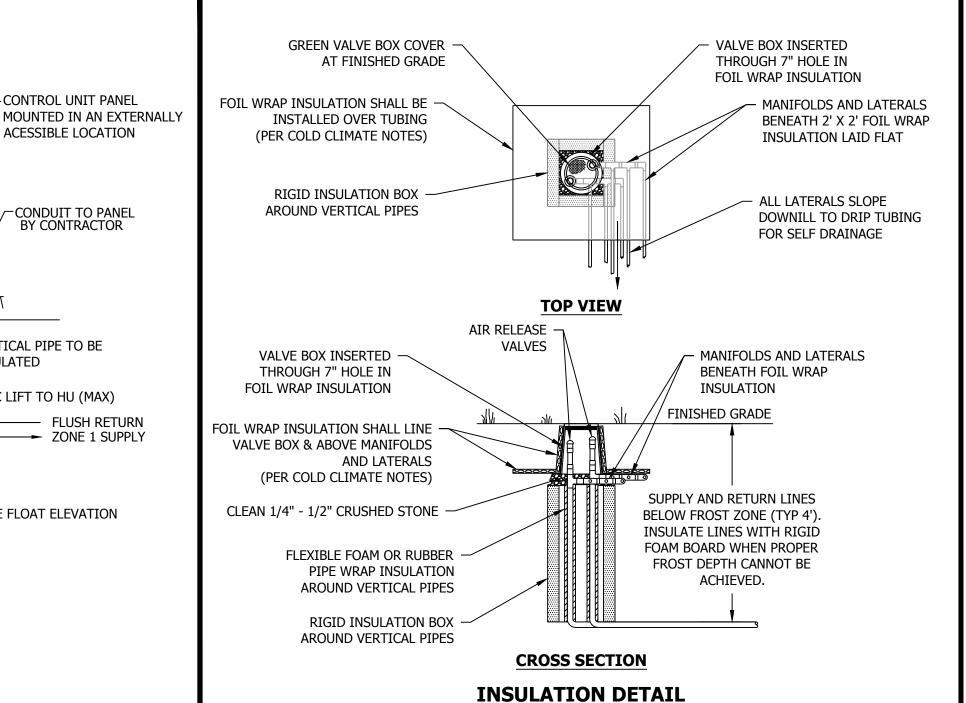
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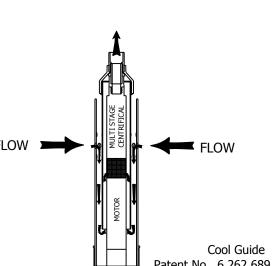


REVISION: MAY 10,2022	
DRAWN BY:	CHECKED BY:
HLP	MDP
ORIG. DATE:	SHEET NO.
FEB. 9, 2022	
ISSUED FOR:	J
Permit	OF
SCALE:	l 5
As Noted	<u>_</u>

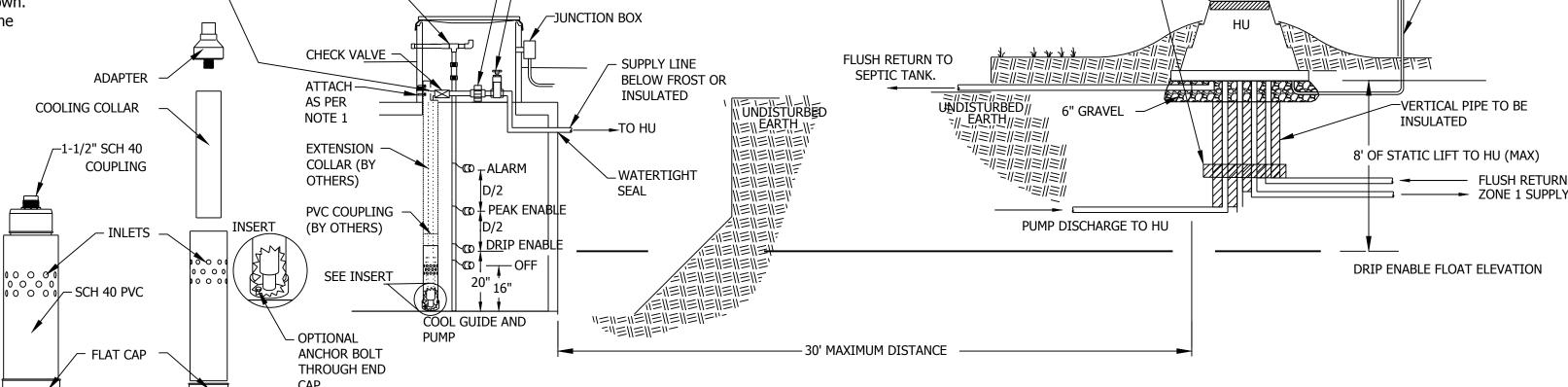


(NOT TO SCALE)





PERC-RITE HYDRAULIC UNIT (15 GPM) (NOT TO SCALE)



TYPICAL PUMP TANK & HYDRAULIC UNIT DETAIL

(NOT TO SCALE)