

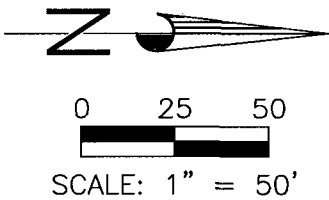
The location of the on-site sewage system represented by the drawing is not to be construed as an exact location of the system.

APPLICATION NO. 16-8815

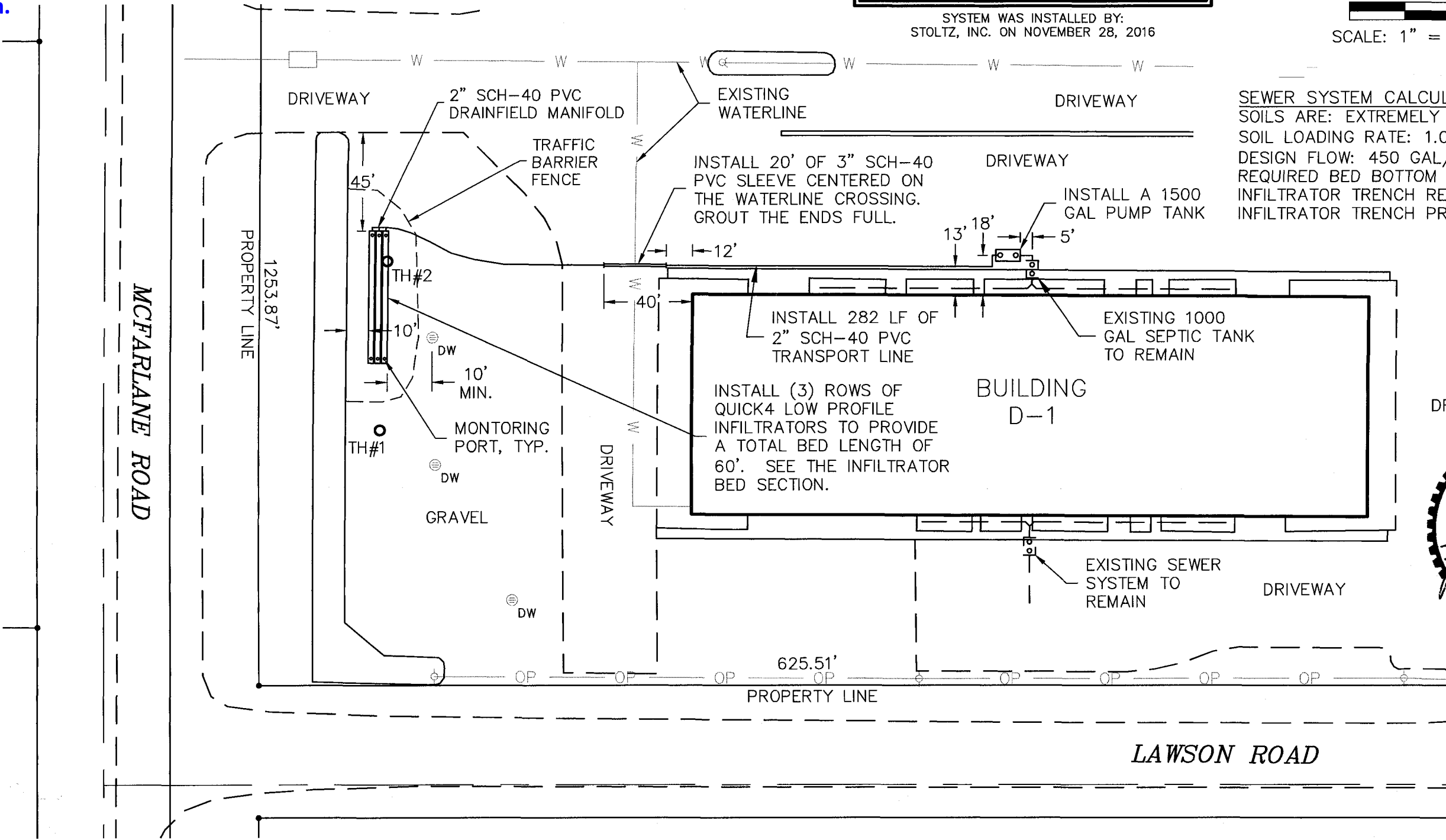
TAX PARCEL #15264.0030

AS-BUILT

SYSTEM WAS INSTALLED BY:
STOLTZ, INC. ON NOVEMBER 28, 2016



SEWER SYSTEM CALCULATIONS
SOILS ARE: EXTREMELY GRAVELLY SOILS
SOIL LOADING RATE: 1.0 GAL/SF/DAY
DESIGN FLOW: 450 GAL/DAY
REQUIRED BED BOTTOM AREA: 450 SF
INFILTRATOR TRENCH REQUIRED: 180 LF
INFILTRATOR TRENCH PROVIDED: 180 LF



David N. Randall
P.E.

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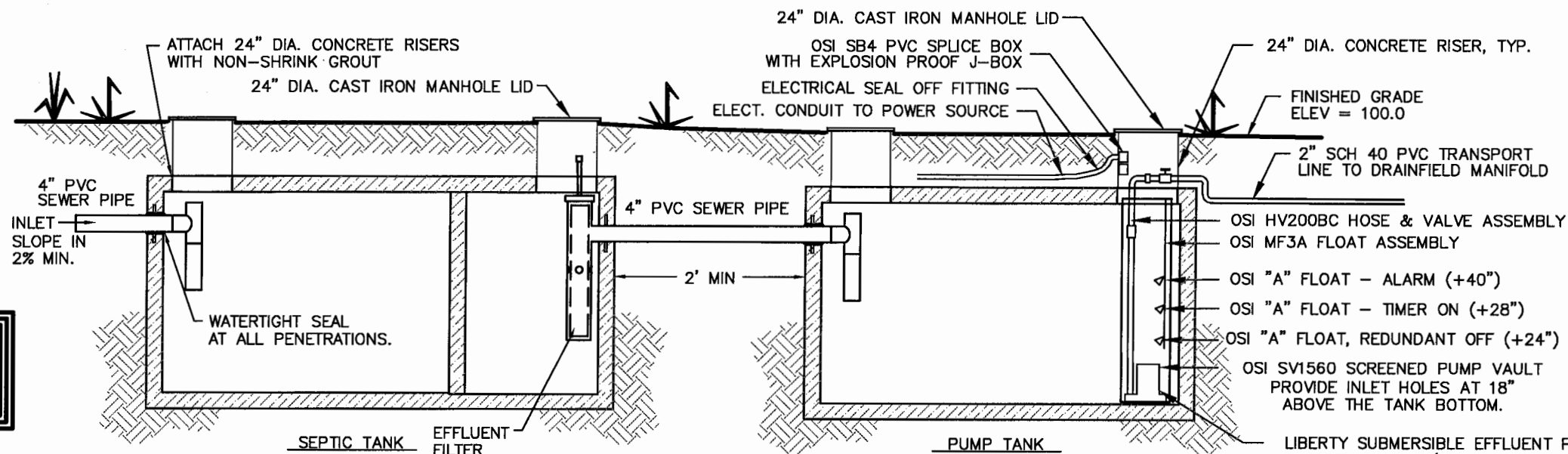
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STOLTZ, INC. ON NOVEMBER 28, 2016

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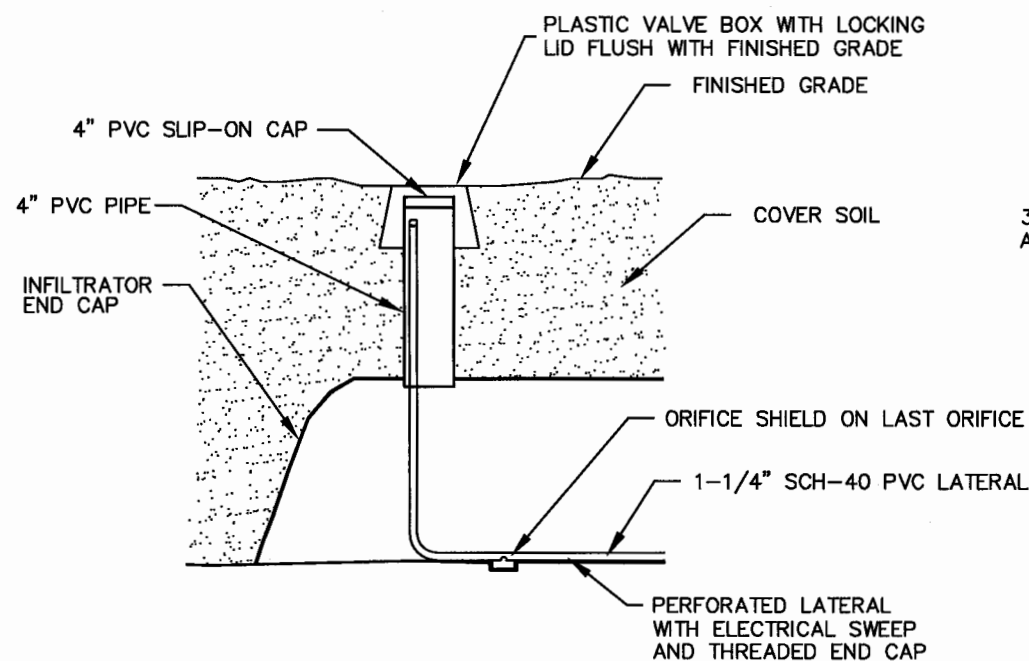
NOTES:

1. THE EXISTING 1000 GALLON SEPTIC TANK SHALL REMAIN. THE PUMP TANK SHALL BE A TRAFFIC RATED WILBERT 1,500 GALLON MONOLITHIC SINGLE COMPARTMENT TANK OR EQUAL.
2. THE EFFLUENT FILTER SHALL BE ORENCO MODEL FTS0436-36M BIOTUBE.
3. INSTALL AN OSI MVP S1PTROIR CONTROL PANEL ON THE EXTERIOR OF THE STRUCTURE. CONNECT PUMP AND FLOAT WIRING TO THIS PANEL.



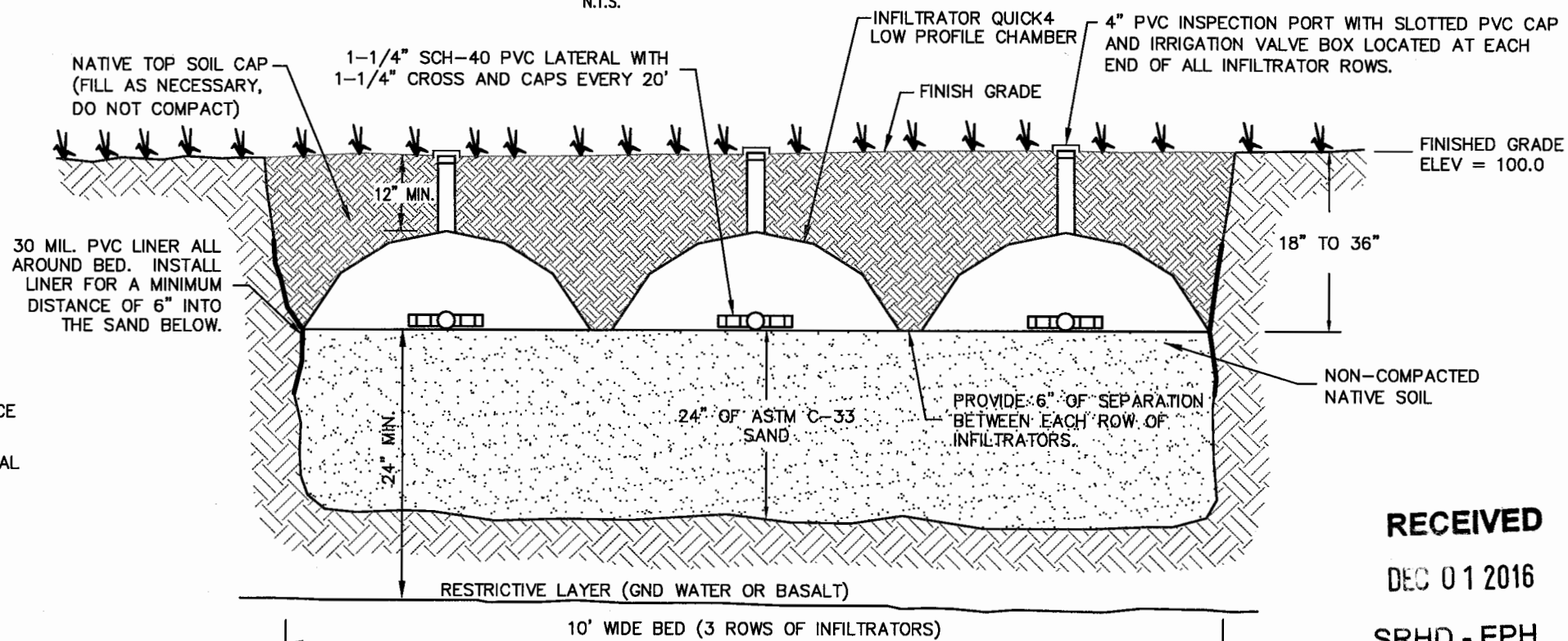
SEPTIC/PUMP TANK

N.T.S.



MONITORING PORT DETAIL

NOT TO SCALE



INFILTRATOR BED SECTION

N.T.S.

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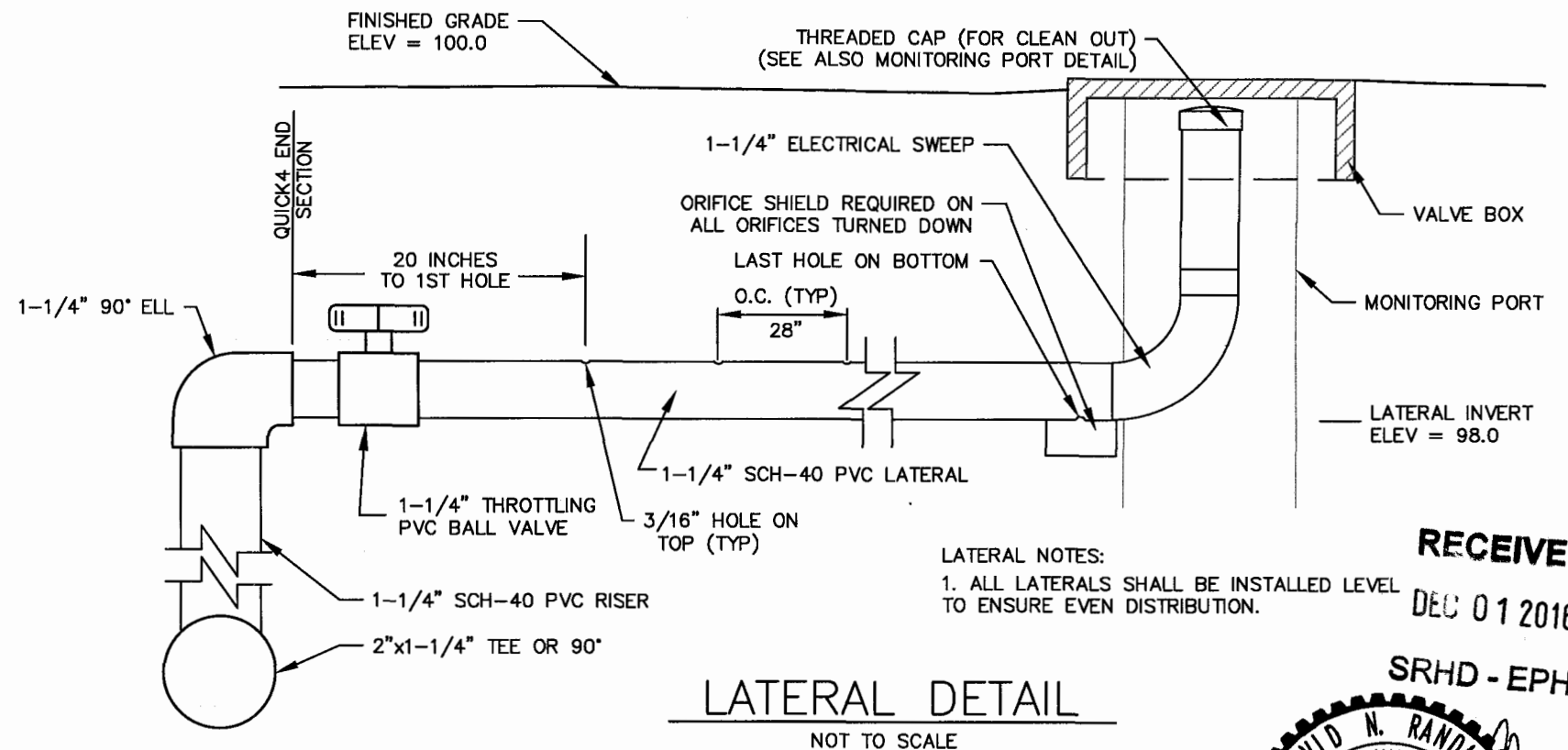
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GENERAL NOTES

1. The existing 1,000 gal septic tank shall remain.
2. The dosing tank shall be a single compartment 1,500 gal traffic rated tank as shown on the plans, and it shall be supplied with two 24" concrete risers and two 24" cast iron manhole covers.
3. The tank shall be fitted with Kor-N-Seal boot connections at the inlet and outlet, or an approved equal.
4. The dosing tank shall be installed at the location shown on the plans and at the appropriate depth to receive flow from the existing septic tank.
5. The pressure drainfield trenches shall be excavated in the area shown on the plans. The bottom of the trenches shall be level, taking care not to compact the soil during excavation. Quick4 Low Profile Infiltrators shall be installed level within the trench. PVC laterals shall be installed along the trench bottom as detailed.
6. Quick4 Low Profile Infiltrators shall be placed in the trenches at the depth noted in the details. Prior to inspection and testing of the pressure distribution network, pump and transport pipe, ensure that all lateral orifices are turned upward and that the laterals are centered within the infiltrator chamber. Joints shall be solvent welded to prevent rotation of the lateral. After testing of the system, the drainfield area shall be backfilled in accordance with the plan. The surface shall be carefully smoothed and seeded with an appropriate vegetative material to allow removal of some of the fluids by evapotranspiration.
7. The dosing pump shall be that called for on the plan or shall be an approved equivalent. The pumping system shall include a submersible pump, discharge piping, check valve, ball valve, union, electrical cables, floats and control panel. The contractor shall construct a complete and workable system, including any items not necessarily shown on the plans to provide for satisfactory operation. The pump shall be activated by mercury-type float switches with programmable timer override set as noted on this plan. A high water alarm with both a visual (light) and an audible alarm shall be installed and activated by an alarm float switch.
8. Prior to backfilling the absorption trenches, the system must be inspected and tested to assure uniform distribution throughout the drainfield trenches and to determine if obstructions exist within the laterals that could effect proper operation of the system. Testing shall be performed in the presence of the design engineer. Testing of the system will require the temporary removal of all chambers to obtain measurements of the squirt height. To test the system, the dosing tank shall be filled with fresh water, and the dosing pump activated. The residual head will then be measured and regulated for uniformity throughout the system.
9. All construction materials and methods shall be in conformance with the latest edition of STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, by the Washington State DOT and APWA, Washington State Chapter.
10. All electrical work shall conform to the latest applicable Washington State Electrical Code. The completed electrical system shall meet the Class 1, Division 1 requirements of the Washington State Department of Labor and Industries.
11. The transport piping shall have a minimum burial depth of two (2) feet.
12. Provide cleanouts at approximate locations shown on the plans.
13. Install an effluent filter within the second compartment of the existing septic tank.
14. The engineer shall be notified of any changes made by the contractor/owner that require design modifications. The contractor shall not continue construction without an updated drawing showing all design revisions.
15. The contractor shall not proceed with construction without having obtained a permit from the Spokane Regional Health District.
16. Infiltrators shall be installed in the vicinity of the test holes as shown on the site plan.
17. Care shall be taken during the excavation of the absorption trenches to avoid smearing of the trench bottom and sidewalls. Smeared areas will require hand-scarifying prior to the installation of the drainfield.
18. All references to OSI refer to Orenco Systems Inc. located in Sutherlin, Oregon. Their phone number is (503) 459-4449. Equipment shall be as specified or equal.

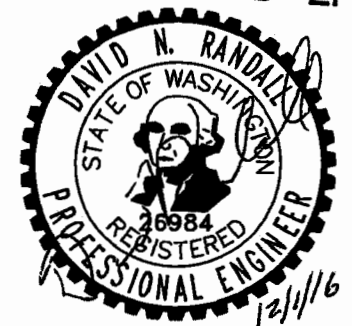


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