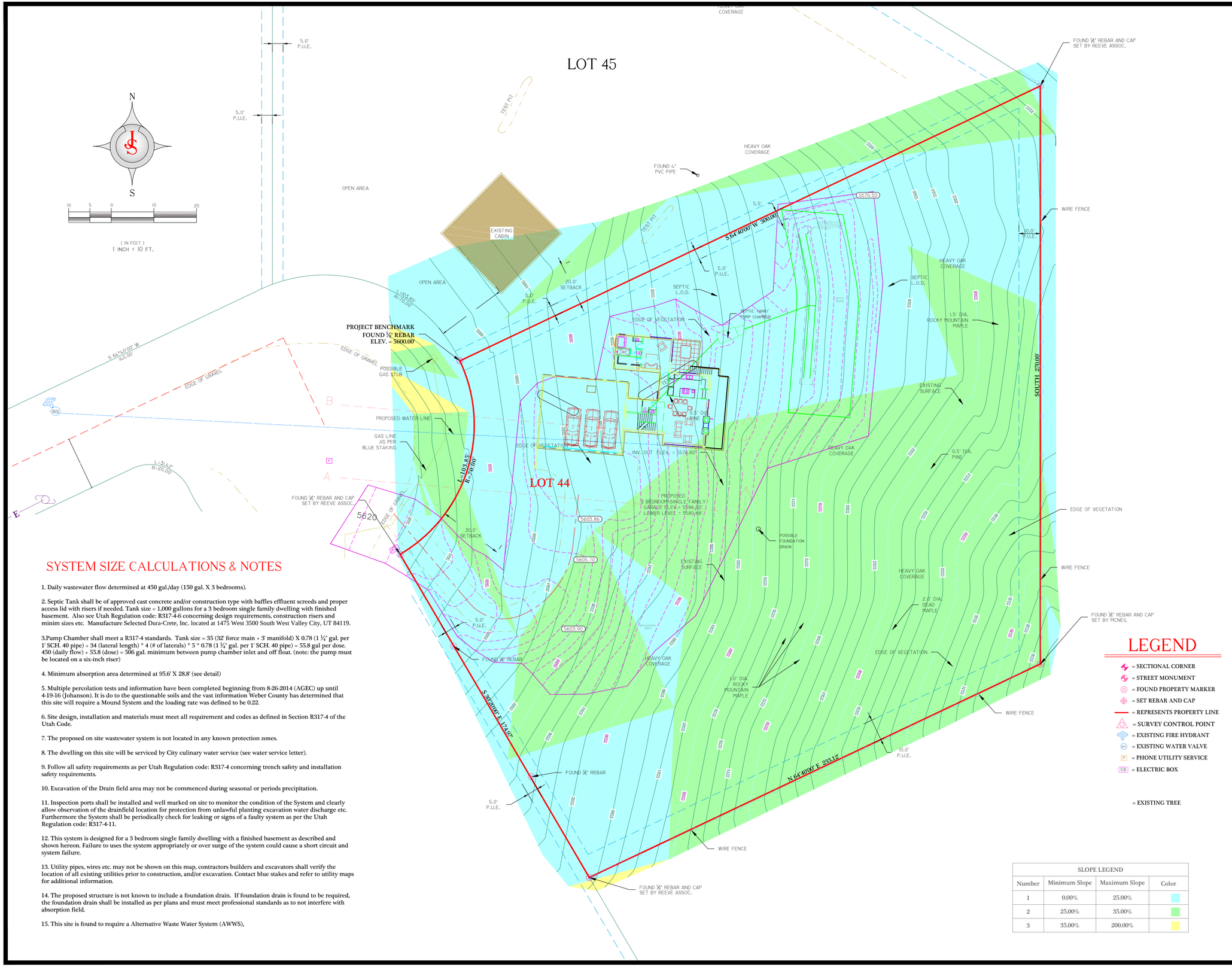

SYSTEM SIZE CALCULATIONS & NOTES

1. Daily wastewater flow determined at 450 gal./day (150 gal. X 3 bedrooms).

2. Septic Tank shall be of approved cast concrete and/or construction type with baffles effluent screeds and proper access lid with risers if needed. Tank size = 1,000 gallons for a 3 bedroom single family dwelling with finished basement. Also see Utah Regulation code: R317-4-6 concerning design requirements, construction risers and minim sizes etc. Manufacture Selected Dura-Crete, Inc. located at 1475 West 3500 South West Valley City, UT 84119.

3.Pump Chamber shall meet a R317-4 standards. Tank size = 35 (32' force main + 3' manifold) X 0.78 (1 ¼" gal. per 1' SCH. 40 pipe) + 34 (lateral length) * 4 (# of laterals) * 5 * 0.78 (1 ¼" gal. per 1' SCH. 40 pipe) = 55.8 gal per dose. 450 (daily flow) ÷ 55.8 (dose) = 506 gal. minimum between pump chamber inlet and off float. (note: the pump must be located on a six-inch riser)

4. Minimum absorption area determined at 95.6' X 28.8' (see detail)

5. Multiple percolation tests and information have been completed beginning from 8-26-2014 (AGEC) up until 4-19-16 (Johanson). It is do to the questionable soils and the vast information Weber County has determined that this site will require a Mound System and the loading rate was defined to be 0.22.

6. Site design, installation and materials must meet all requirement and codes as defined in Section R317-4 of the Utah Code.

7. The proposed on site wastewater system is not located in any known protection zones.

8. The dwelling on this site will be serviced by City culinary water service (see water service letter).

9. Follow all safety requirements as per Utah Regulation code: R317-4 concerning trench safety and installation safety requirements.

10. Excavation of the Drain field area may not be commenced during seasonal or periods precipitation.

11. Inspection ports shall be installed and well marked on site to monitor the condition of the System and clearly allow observation of the drainfield location for protection from unlawful planting excavation water discharge etc. Furthermore the System shall be periodically check for leaking or signs of a faulty system as per the Utah Regulation code: R317-4-11.

12. This system is designed for a 3 bedroom single family dwelling with a finished basement as described and shown hereon. Failure to uses the system appropriately or over surge of the system could cause a short circuit and system failure.

13. Utility pipes, wires etc. may not be shown on this map, contractors builders and excavators shall verify the location of all existing utilities prior to construction, and/or excavation. Contact blue stakes and refer to utility maps for additional information.

14. The proposed structure is not known to include a foundation drain. If foundation drain is found to be required, the foundation drain shall be installed as per plans and must meet professional standards as to not interfere with absorption field.

15. This site is found to require a Alternative Waste Water System (AWWS),

LEGEND

- = SECTIONAL CORNER
- = STREET MONUMENT
- = FOUND PROPERTY MARKER
- = SET REBAR AND CAP
- = REPRESENTS PROPERTY LINE
- = SURVEY CONTROL POINT
- = EXISTING FIRE HYDRANT
- = EXISTING WATER VALVE
- = PHONE UTILITY SERVICE
- = ELECTRIC BOX
- = EXISTING TREE

SLOPE LEGEND			
Number	Minimum Slope	Maximum Slope	Color
1	0.00%	25.00%	
2	25.00%	35.00%	
3	35.00%	200.00%	

DRAWING TITLE

SEPTIC DESIGN

CLIENT CONTACT

PAUL LASTAYO, PT, PHD, CHT
VOICE: (801) 971-9298
paul.lastayo@hsc.utah.edu

LOT 44 BIG SKY ESTATES No. 1 LOCATED WITHIN, WEBER COUNTY, UTAH. A PART OF THE N.W. 1/4 SEC. 33, T. 7 N., R. 1. E. S.L.B.&M.

PROPERTY DESCRIPTION

Lot 44 of the Big Sky Estates No. 1 Subdivision on file within the official records of Weber County, Utah.

Containing 1.61 Acres +/-

NARRATIVE

This survey was performed at the request of Paul LaStayo, For the purpose to locate property lines in relation to existing fencing, and other improvements, also for the purpose of future building, septic layout,landscaping, and or property sales.

Shown are Two foot Contours Highlighted at Ten foot Intervals as labeled. Found rebars (possibly original staking) and monumentation have been tied, utilized and shown on this survey. The elevation base is determined by the field G.P.S. Projection Based on USGS Utah North NAD 1983 Projection then rounded off to the nearest 10 foot mark for a more efficient Bench Mark base. The project bench mark is 5600.00' = found ½" rebar located at the northwest corner of surveyed lot, as shown heron.

AFTER CONSTRUCTION RE-VEGETATION AND RECLAMATION PLAN

1. No deep rooted plants or vegetation are permitted for re-vegetation or reclamation.

O.S.P. STATMENT

I, Nathan L. Bseiso, Do hereby certify that I have completed the required training, experience, and examination, and hold a Certificate of Qualification as a level Three Onsite Professional, holding certificate No. 02891-OSP-3.

REVISIONS:

REV #	DESCRIPTION	DATE

JOHANSON SURVEYING
SURVEYING · SEPTIC · PLANNING

P.O. BOX 18941
SALT LAKE CITY, UTAH 84118
Shane Johanson P.L.S. 801-815-2541

SUBMITTAL DATE: - 2015

SIGNATURE:

O.S.P.# 02891-OSP-3

PROJECT NO. S-15-122

DATE: 12/11/2015

DRAWN BY: NATHAN BSEISO O.S.P.

CKHD BY: SHANE R. JOHANSON P.L.S.

SHEET NUMBER

SHEET 1 OF 2