BRIAN W. BENNION, M.P.A., L.E.H.S.
Health Officer/Executive Director

WEBER-MORGAN
HEALTH DEPARTMENT

May 3, 2016

Weber County Planning Commission
2380 Washington Blvd.
Ogden, UT 84401

RE: **Preliminary** Subdivision Feasibility
Benstog Subdivision, 3 lots
Parcel #21-023-0005
Soil log #14328

Gentlemen:

The soil and percolation information for the above-referenced lot have been reviewed. Culinary water will be provided by a private well. **The placement of the well is critical so as to provide the required 100 foot protection zone.** The well will need to be dug, tested and the water supply approved prior to issuance of a wastewater disposal permit.

DESIGN REQUIREMENTS
Lot associated with soil exploration pit 1: Anticipated ground water tables not to exceed 30 inches, and highly permeable soil with a documented percolation rate excess of 5 minutes/inch near surface, fall within the range of acceptability for the utilization of a Packed Bed Media Wastewater Disposal System using Non-Chemical Disinfection followed by a conventional drainfield as a means of wastewater disposal. Maximum trench depth is limited to 18 inches. The absorption system is to be designed using a maximum loading rate of 0.9 gal/sq. ft. /day

Lot associated with soil exploration pit 2 &3: Anticipated ground water tables not to exceed 36 inches, fall within the range of acceptability for the utilization of a Mound Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 12 inches The absorption system is to be designed using a maximum loading rate of 0.9 gal/sq. ft. /day as required for documented percolation rates of 8-10 minutes/inch

Ensure all lots utilizing a private well as a culinary water source how the **required 100 foot protection zone** completely located within the proposed lot line boundaries. Evidence of this will be required during the formal subdivision process.

Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

All subdivisions plats submitted for review are to show the location of exploration pits and percolation tests as well as the documented soil horizons and percolation rates. Mylars submitted for signature without this information will be returned.

Each on-site individual wastewater disposal system must be installed in accordance with R317-4, Utah Administrative Code, Individual Wastewater Disposal Systems and Weber-Morgan District Health Department Rules. Final approval will be given only after an on-site inspection of the completed project and prior to the accomplishment of any backfilling.

Please be advised that the conditions of this letter are valid for a period of 18 months. At that time the site will be re-evaluated in relation to rules in effect at that time.

Sincerely,

Summer Day, LEHS
Environmental Health Division
801-399-7160

BRIAN W. BENNION, M.P.A., L.E.H.S.
Health Officer/Executive Director

WEBER-MORGAN
HEALTH DEPARTMENT

April 11, 2016

John Benstog
1617 E 22nd St
Ogden, UT 84401

RE: Wastewater Site and Soils Evaluation #14328
9300 E 500 S
Parcel # 21-023-0005

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on April 8, 2016. The exploration pit is located on the enclosed plat developed during the site evaluation along with the assigned numerical code for each exploration pit. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 0439275 N 4567342 E)

0–19"	Loam, granular structure, 1% gravel
19-32"	Gravelly loam, massive structure, 65% gravel
32-70"	Gravely loamy sand, single grained structure, 70% gravel and cobble
70-110"	Gravelly sandy loam, single grained structure, 70% gravel and cobble

Conduct the required percolation test so that the bottom of the percolation test hole is at **48 inches** deep from the original grade.

Exploration Pit #2 (UTM Zone 12 Nad 83 439275 N 4567342 E)

0–20"	Loam, granular structure, 10% gravel
20-36"	Gravelly sandy loam, massive structure, 60% gravel and cobble
36-112"	Gravelly loamy sand, single grained structure, 65% gravel and cobble

Conduct the required percolation test so that the bottom of the percolation test hole is at **48 inches** deep from the original grade.

Exploration Pit #3 (UTM Zone 12 Nad 83 439295 N 4567393 E)

0–23"	Gravelly loam, granular structure, 15% gravel
23-107"	Gravelly loamy sand, single grained structure, 70% gravel & cobble

Conduct the required percolation test so that the bottom of the percolation test hole is at **36 inches** deep from the original grade.

Due to the soil types existing on this property the final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make the percolation tester aware of the requirement so that arrangements can be made. Test results will not be accepted if this requirement is not met.

Exploration pits should be backfilled immediately upon completion of percolation testing to prevent a hazardous environment that may cause death or injury to people or animals.

Percolation tests may be completed by any individual on the enclosed list. The stabilized percolation test results are to be submitted to this office for review prior to the recommendation for further development to the appropriate planning agency or prior to the issuance of a wastewater disposal permit.

If you have any further questions, contact this office at your convenience.
Sincerely,

Brian Cowan, LEHS
Environmental Health Division
801-399-7160

BC/nm

List of Active Onsite System Certifcate Holders

This list includes individuals or companies currently providing services in the Weber-Morgan Health District. Additional names are available upon request, or online at www.waterquality.ut.gov. This list does not constitute a recommendation or endorsement by the Weber-Morgan Health Department or it's staff.

* Conventional Systems include Absorption Field, Absorption Bed, Seepage Trench and Pressure Distribution

**Alternative Systems include At-Grade, Wisconsin Mound and Packed-Bed

****Registered*** Installers may install Conventional and At-Grade type systems. ***Certified*** installers may install all systems including Alternative systems

Name	Company	Location	Phone	Type	Perc Testing	Conventional * Design	Alternative** Design	Installation*** Contractor	Service Provider
Anderson, Justin	Just Digggin Excavation	Plain City	(801) 940-7289	Contractor	yes	yes	yes	yes Certified	yes
Babbitt, Mark	Great Basin Engineering	Ogden	(801) 394-4515	Consultant Engineer	yes	yes	yes		
Barto, Brad J	Barto Construction	Ogden	(801) 731-1442	Contractor	yes	yes		yes Registered	
Bennett, Vance Bennett, Dave	Vance Bennett Const.	Syracuse	(801) 773-4149 (801) 529-3610	Contractor				yes Registered	
Boyce, Walter	Boyce Construction Inc.	Morgan	(801) 829-3904 (801) 540-4650	Contractor				yes Registered	
Brimhall, Jeff	Jeff Brimhall Construction	W. Point	(801)668-3482	Contractor				yes Registered	
Brown, Matt	HOS Excavation	Ogden	(801)540-1443	Contractor	yes	yes	yes	yes Certified	yes
Chambers, Gregg	Gregg Chambers & Sons	Eden	(801) 430-0655 (801) 940-1737	Contractor				yes Registered	
Cunningham, Don	Down & Dirty Excavation	Ogden	(801) 721-0068	Contractor		yes		yes Registered	
Durrant, Shawn	AccuRite Exc.	Huntsville	(801) 814-6975	Contractor	yes	yes		yes Registered	
Fox, Bill	B&K Fox Contractors Inc	Farr West	801-430-3259	Contractor				yes Registered	
Frazier, Carl	High Country Exc.	Ogden	(801) 791-7905	Contractor	yes	yes	yes	yes Certified	yes
Gauchet, Casey	C&G Excavation & Const.	Huntsville	(801) 791-9413	Contractor				yes Registered	
Green, James	Seal Tech	Ogden	(801) 529-0708	Contractor	yes	yes	yes	yes Certified	yes
Hancock, Phil	Hancock Corporation	Ogden	(801) 479-0443	Contractor				yes Registered	
Hancock, CJ	CE Butters Construction	Ogden	(801) 782-2088	Contractor	yes	yes		yes Registered	
Harbertson, Dustin	Triple H Excavationg triplehexc@yahoo.com	Ogden Fax:	(801) 394-4100 (801) 394-1599	Contractor	yes	yes	yes	yes Certified	
Harris, Andy	Earthtec Engineering	Ogden	(801) 399-9516	Consultant Engineer		yes			

Name	Company	Location	Phone	Type	Perc Testing	Conventional * Design	Alternative** Design	Installation*** Contractor	Service Provider
Patterson, Jared	Impact Excavation & Improvements impactx2@gmail.com	Hooper	(801)710-4800 (801)710-3600	Contractor				yes Registered	
Peterson, Jason	Peterson Builders.	Eden	(801)745-3781	Contractor				yes Registered	
Post, Erik	Post Construction company@postasphalt.com	Ogden	(801) 732-0205	Contractor	yes	yes	yes	yes Certified	yes
Reeve, Nate	Reeve & Associates nreeve@reeve-assoc.com	Ogden	(801) 621-3100	Consultant Engineer	yes	yes	yes		
Rogers, Ryan	Marriott Construction	Ogden	(801) 731-7252 (801) 430-7155	Contractor	yes	yes	yes	yes Certified	yes
Sims, Brad	Sims Excavation	Ogden	(801) 458-8765	Contractor				yes Registered	
Sharry, "Gus"	Canyon Engineering gsharry@canyoneng.com	Park City	(435) 640-7373		yes	yes	yes		
Shupe, Carl		Huntsville	(801) 525-5104	Consultant	yes	yes	yes		yes
Simonsen, Brandon	BSE	Ogden	801-430-0437	Contractor				yes Registered	
Slama, Jed	Jed Slama Construction Corp jed@jse-builders.com	Hunstville	(801) 430-6622	Contractor	yes	yes	yes	yes Certified	yes
Snitchler, William	GEC Construction	Ogden	(801)529-8011	Contractor				yes Registered	
Stark, Curt	Stark Bros, Construction	Slaterville	(801)540-5361	Contractor				yes Registered	
Stuart, Shawn	Earthtec Engineering	Ogden	(801)399-9516	Consultant	yes	yes	yes		
Summers, Matt	S&S Excavation	Eden	(801)745-2309	Contractor	yes	yes	yes	yes Certified	
Thurgood, Richard	Thurgood Custom Excav.	Layton	(801) 593-9177 (801) 430-3362	Contractor				yes Registered	
Vierra, Les	River Logic LLC lvierra@river-logic.com	Eden	(801) 391-7481	Consultant	yes	yes	yes		
Waters, Lyle	Waters Construction Inc.	Ogden	(801) 725-6927	Contractor				yes Registered	
Williams, Lynn	Tatunca Excavation	Ogden	(801) 695-3657	Contractor				yes Registered	
Witt, Ben	Alternative Onsite Solutions support@alternativeonsite.com	Heber	(801) 380-0103	Consultant	yes	yes	yes	yes Certified	yes
Worley, Richard	Bear River Health Dept.	Box Elder Cache	(435) 787-8673 (435) 881-5591	Consultant LEHS		yes	yes		