



1497 West 40 South
 Lindon, Utah - 84042
 Phone (801) 225-5711

3662 West 2100 South
 Salt Lake City, Utah - 84120
 Phone (801) 787-9138

1596 W. 2650 S. #108
 Ogden, Utah - 84401
 Phone (801) 399-9516

Soil Observation Report

Job Number: 175138 Date: 10/18/17 Report Number: 1
 Job Name: Henry Flats Job Location: West Weber, UT
 Client: Hancock & Associates Contractor: Hancock & Associates Contact: Phil Hancock
 Inspector/Technician: Jed Johnson Building Permit: _____
 Weather Conditions: Sunny Cloudy Rain Snow Clear Temperature Range: 60's

Applicable Code(s)		
<input type="checkbox"/> IBC	<input type="checkbox"/> UDOT	<input checked="" type="checkbox"/> APWA
<input type="checkbox"/> IRC	<input type="checkbox"/> AWWA	<input type="checkbox"/> Other①
Other①: _____		

Plans Available: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Design Professional: _____	Plans Dated: _____
Sheets: _____	Details: _____	
RFI Available: <input type="checkbox"/> Yes <input type="checkbox"/> No	RFI No: _____	RFI Dated: _____


Comments:

Earthtec Engineering was on site as scheduled to perform periodic observation and in place moisture/density soil testing. The contractor placed roadbase in six inch lifts as roadway and compacted each lift using a smooth drum roller. The material appeared to be moisture conditioned prior to compaction. The test results indicated compliance with the project specifications. Earthtec informed Sheldon Dayton with Hancock and Associates of the test results.

Additional Comments:

Reference MD 1

In Compliance Out of Compliance Work in Progress
 RFI Required? Y/N _____



 Reviewed By: Date: 10/20/17

Earthtec Engineering



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Moisture-Density Test Results

Job Number: 175138 Date: 10-18-17 Report Number: MD 001
 Job Name: Henry Flats Job Location: 4350 West 400 South, West Weber
 Client: Hancock & Associates Contractor: Hancock & Associates Contact: Phil Hancock
 Technician: JED Gauge No.: 28459 Building Permit: _____
 Laboratory Standard: ASTM D1557 Testing Standard: ASTM D 6938

Elevation Key

FG - Finish Grade (Top of Asphalt/Concrete)
 FF - Finish Floor (Top of Building Slab)
 SG - Sub Grade (Below Gravel for Slab/Concrete)
 TOW - Top of Wall
 BOF - Bottom of Footing
 TBC - Top Back of Curb
 TOT - Top of Tunnel

Location Key

C&G - Curb & Gutter BP - Building Pad FH - Fire Hydrant
 ELC - Electrical PL - Parking Lot TR - Trench
 FTG - Footing SD - Storm Drain WL - Wall
 STA - Station SK - Sidewalk WM - Water Main
 WTL - Water Line SS - Sanitary Sewer CL - Center Line
 BF - Back Fill RB - Road Base MH - Man Hole
 CDS - Cul-De-Sac SF - Structural Fill LP - Light Pole

Test No.	Elevation	Moisture Content (%)	In-Place Density (pcf)	Reference Curve ID	Max Density (pcf)	% of M.D.D.	% Req.	Pass / Fail	General Location
									ROADWAY
1	FG-3"	3.5	135.6	175115-01	137.5	99	95	P	LOT CORNER 1/2
2	FG-3"	3.1	137.0	175115-01	137.5	100	95	P	LOT CORNER 2/3
3	FG-3"	3.7	136.3	175115-01	137.5	99	95	P	LOT CORNER 10/11
4	FG-3"	3.8	127.9	175115-01	137.5	93	95	F	LOT CORNER 3/4
5	FG-3"	3.5	134.3	175115-01	137.5	98	95	P	CENTER OF CUL-DE-SAC
6	FG-3"	4.3	132.1	175115-01	137.5	96	95	P	RETEST OF TEST #4

Comments:

Tests meet or exceed the specified compaction requirement except as noted (* Denotes failure to meet compaction requirements).

This report presents results of density tests conducted on in-place fills at the site. The density results are limited to the spot of the test and should be used by full time observers only as a guide, not a certification, as to whether the fills are meeting specification requirements. The contractor must be relied upon to maintain uniform placement conditions and compactive effort throughout the fill.

Reference Curve

Curve ID	M.D.D. (pcf)	O.M.C. (%)	Material Description / Source
175115-01	137.5	5.2	LIGHT BROWN WELL-GRADED GRAVEL (GW-GM) WITH SILT AND SAND /// JBP HOT SPRINGS PIT ROADBASE

M.D.D. - Maximum Dry Density
 O.M.C. - Optimum Moisture Content

Mitchell A. Hill

 Reviewed By:

10/24/17

 Date:

Earthtec Engineering

Professional Engineering Services - Geotechnical Engineering - Geologic Studies - Code Inspection - Special Inspection / Testing - Non-Destructive Examination - Failure Analysis