

Date: 04/13/2018
Client: Walters Excavating
Project: J030124.09
 Park Ridge 6th Plat
 Lee's Summit, MO

Report No.: 1

Field Density Report

Contractor: Walters Excavating

Temperature/Weather: 65 °F Cloudy

Site Contact:

Compaction Equipment:

Arrival: 07:15 **Departure:** 13:45 **Travel (hrs):** 2.25 **Office/Lab (hrs):** 0 **Total (hrs):** 8.75

Area Being Filled: Sanitary Sewer Main Line A, C, and Service Lines.

Description of Fill Material: Red brown FAT clay ; Brown FAT clay

TABULATION OF SOIL DENSITY TEST RESULTS

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	Dry Density (pcf)	Moisture (%)	Percent Compaction	ASTM D698 Spec.
1	Sanitary Service, Lot 303	6' below existing grade	98@23.5	98.6	18.8	101	95
2	Sanitary Service, Lot 303	3' below existing grade	98@23.5	101.7	18.0	104	95
3	Sanitary Service, Lot 304	7' below existing grade	98@23.5	94.3	25.0	96	
4	Sanitary Service, Lot 304	5' below existing grade	98@23.5	97.2	23.1	99	95
5	Sanitary Service, Lot 304	4' below existing grade	98@23.5	100.0	23.1	102	95
6	Sanitary Service, Lot 304	3' below existing grade	98@23.5	97.8	21.8	100	95
7	Sanitary Service, Lot 302	6' below existing grade	98@23.5	96.3	22.6	98	95
8	Sanitary Service, Lot 302	5' below existing grade	98@23.5	97.0	20.8	99	95
9	Sanitary Service, Lot 302	4' below existing grade	98@23.5	95.7	25.1	98	95
10	Sanitary Service, Lot 302	2' below existing grade	98@23.5	95.3	23.0	97	95



11	Sanitary Main, C Line	8' below existing grade	98@23.5	93.9	24.6	96	95
12	Sanitary Main, C Line	6' below existing grade	98@23.5	96.7	20.9	99	95
13	Sanitary Main, C Line	4' below existing grade	98@23.5	100.5	20.9	103	95
14	Sanitary Service, Lot 301	6' below existing grade	98@23.5	99.5	19.3	102	95
15	Sanitary Service, Lot 301	4' below existing grade	98@23.5	94.0	22.6	96	95
16	Sanitary Service, Lot 301	2' below existing grade	98@23.5	94.9	21.8	97	95



TABULATION OF SOIL DENSITY TEST RESULTS

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	Dry Density (pcf)	Moisture (%)	Percent Compaction	ASTM D698 Spec.
17	Sanitary Service, Lot 300	8' below existing grade	98@23.5	95.0	24.8	97	95
18	Sanitary Service, Lot 300	5' below existing grade	98@23.5	95.1	25.0	97	95
19	Sanitary Service, Lot 300	4' below existing grade	98@23.5	94.3	25.1	96	95
20	Sanitary Service, Lot 300	2' below existing grade	98@23.5	93.7	26.1	96	95
21	Sanitary Service, Lot 299	5' below existing grade	98@23.5	94.2	21.5	96	95
22	Sanitary Service, Lot 299	4' below existing grade	98@23.5	93.2	21.5	95	95
23	Sanitary Service, Lot 299	2' below existing grade	98@23.5	94.2	21.1	96	95
24	Sanitary Service, Lot 310	5' below existing grade	98@23.5	95.2	23.1	97	95
25	Sanitary Service, Lot 310	4' below existing grade	102.6@20.9	100.7	21.6	98	95
26	Sanitary Service, Lot 310	3' below existing grade	98@23.5	96.3	22.9	98	95
27	Sanitary Service, Lot 311	7' below existing grade	98@23.5	92.9	24.0	95	95
28	Sanitary Service, Lot 311	5' below existing grade	98@23.5	93.8	24.4	96	95
29	Sanitary Service, Lot 311	4' below existing grade	98@23.5	95.0	24.8	97	95
30	Sanitary Service, Lot 311	2' below existing grade	98@23.5	94.3	22.6	96	95
31	Sanitary Service, Lot 320	6' below existing grade	98@23.5	95.9	21.1	98	95

FROM THE GROUND UP



32	Sanitary Service, Lot 320	4' below existing grade	98@23.5	93.6	25.1	96	95
33	Sanitary Service, Lot 320	2' below existing grade	98@23.5	92.7	24.6	95	95
34	Sanitary Service, Lot 319	6' below existing grade	98@23.5	94.3	24.6	96	95
35	Sanitary Service, Lot 319	5' below existing grade	98@23.5	95.8	23.6	98	95
36	Sanitary Service, Lot 319	3' below existing grade	102.6@20.9	99.1	22.1	97	95
37	Sanitary Main, A Line	8' below existing grade	98@23.5	91.3	24.3	93	90
38	Sanitary Main, A Line	7' below existing grade	98@23.5	93.1	21.4	95	90
39	Sanitary Main, A Line	5' below existing grade	98@23.5	88.2	24.5	90	90
40	Sanitary Main, A Line	2' below existing grade	98@23.5	96.8	21.8	99	90
41	Sanitary Service, Lot 308	4' below existing grade	98@23.5	93.5	25.0	95	95
42	Sanitary Service, Lot 308	3' below existing grade	98@23.5	94.4	23.5	96	95



TABULATION OF SOIL DENSITY TEST RESULTS

Test No.	Test Location	Elevation (feet) ±	Max. Dry Den. @ Optimum Moisture (pcf @ %)	Dry Density (pcf)	Moisture (%)	Percent Compaction	ASTM D698 Spec.
43	Sanitary Service, Lot 308	2' below existing grade	98@23.5	93.5	25.6	95	95
44	Sanitary Service, Lot 309	4' below existing grade	98@23.5	92.8	21.6	95	95
45	Sanitary Service, Lot 309	3' below existing grade	98@23.5	93.4	22.3	95	95
46	Sanitary Service, Lot 309	2' below existing grade	98@23.5	93.7	21.1	96	95
47	Sanitary Service, Lot 307	5' below existing grade	98@23.5	97.6	21.0	100	95
48	Sanitary Service, Lot 307	4' below existing grade	98@23.5	96.8	22.1	99	95
49	Sanitary Service, Lot 307	3' below existing grade	98@23.5	95.3	22.9	97	95
50	Sanitary Service, Lot 307	2' below existing grade	98@23.5	97.1	21.9	99	95
51	Sanitary Service, Lot 306	6' below existing grade	98@23.5	94.3	22.4	96	95
52	Sanitary Service, Lot 306	4' below existing grade	98@23.5	95.5	22.0	97	95
53	Sanitary Service, Lot 306	2' below existing grade	102.6@20.9	98.1	21.2	96	95
54	Sanitary Service, Lot 305	7' below existing grade	98@23.5	93.7	25.3	96	95
55	Sanitary Service, Lot 305	5' below existing grade	98@23.5	94.3	25.2	96	95
56	Sanitary Service, Lot 305	3' below existing grade	102.6@20.9	98.8	23.4	96	95

CODES: (ART) - Area Re-Rolled and Retested ; (R-#) - Retest of Test No. #



REMARKS :

Sanitary Main Line A is in green area. Percent compaction is 90.

Geotechnology Representative:

Hayden N. Ginsburg

Reviewed By:

Stephen C. Damron

CC : Walters, Dustin (Walters Excavating) (e)

Notice: The Geotechnology representative is on site solely to observe specific operations and report opinions to our client. The presence and activities of the Geotechnology field representative do not relieve the contractor's obligation to meet contractual requirements. The contractor retains sole responsibility for site safety and the methods and sequences of construction.