Materials Testing & Consulting, Inc.

Geotechnical Engineering • Special Inspection • Materials Testing • Environmental Consulting

Project:	LDW ENR/AC Pilot Study	**Date Received:**	Multiple Dates
Project #:	19S135	**Sampled By:**	Client
Client :	Wood	**Date Reported:**	November 18, 2020
Source:	Multiple	**Tested By:**	B. Goble
MTC Sample#:	Multiple		

CASE NARRATIVE

1. One hundred twenty foursamples were submitted for sieve analysis in accordance with methods requested by the client.
2. The samples were air-dried in ventilation hoods at room temperature. The samples were then weighed and sieved through a No. 4 and 3/8" sieves. The mass retained on each seive and the mass passing the No. 4 sieve were recorded. The material retained on the sieves was discarded. The material passing the No. 4 sieve was placed back in the original sample container for further testing and saved for the client.
3. All pieces of equipment used in this procedure were made of stainless steel and decontaminated prior to use.
4. There were no noted anomalies during this testing.

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Reviewed by: _____

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Client: Wood
Sampled by: Client
Tested by: B. Goble

Sample and Fraction Masses

MTC Sample #	Client Sample #	Total Mass	Mass on 3/8" sieve	Mass on #4 sieve	Mass Passing #4
S20-0595	LDW-Y3-IN-ENR-1-C-CORE	3,471	996	145	2,330
S20-0596	LDW-Y3-IN-ENR-1-D-CORE	2,459	1,096	168	1,196
S20-0597	LDW-Y3-IN-ENR-2-B-CORE	2,685	771	226	1,688
S20-0598	LDW-Y3-IN-ENR-2-E-CORE	4,708	966	279	3,464
S20-0599	LDW-Y3-IN-ENR-3-A-CORE	3,429	1,706	290	1,433
S20-0600	LDW-Y3-IN-ENR-3-A-CORE	4,321	1,832	363	2,126
S20-0601	LDW-Y3-IN-ENR-3-D-CORE	3,895	2,619	265	1,011
S20-0602	LDW-Y3-IN-ENR-5-B-CORE	5,442	1,879	477	3,087
S20-0603	LDW-Y3-IN-ENR-5-C-CORE	4,185	991	259	2,935
S20-0604	LDW-Y3-IN-ENR-5-D-CORE	4,523	1,621	388	2,515
S20-0605	LDW-Y3-IN-ENR-5-E-CORE	5,826	3,132	530	2,165
S20-0606	LDW-Y3-IN-ENR-6-A-CORE	5,388	1,102	371	3,916
S20-0607	LDW-Y3-IN-ENR-6-B-CORE	5,326	2,154	724	2,448
S20-0608	LDW-Y3-IN-ENR-6-C-CORE	5,301	1,813	476	3,012
S20-0609	LDW-Y3-IN-ENR-6-D-CORE	4,895	2,391	400	2,104
S20-0610	LDW-Y3-IN-ENR-6-E-CORE	5,122	1,183	329	3,611
S20-0611	LDW-Y3-IN-ENR+AC-1-B-CORE	4,872	1,476	306	3,090
S20-0612	LDW-Y3-IN-ENR+AC-1-C-CORE	4,999	1,444	311	3,245
S20-0613	LDW-Y3-IN-ENR+AC-2-A-CORE	2,090	1,021	50	1,019
S20-0614	LDW-Y3-IN-ENR+AC-2-C-CORE	2,596	1,579	188	829
S20-0615	LDW-Y3-IN-ENR+AC-2-E-CORE	5,203	1,503	418	3,282
S20-0616	LDW-Y3-IN-ENR+AC-3-B-CORE	5,929	2,564	467	2,898
S20-0617	LDW-Y3-IN-ENR+AC-3-E-CORE	5,045	1,260	269	3,515
S20-0618	LDW-Y3-IN-ENR+AC-4-A-CORE	5,088	1,778	398	2,912
S20-0619	LDW-Y3-IN-ENR+AC-4-B-CORE	4,625	2,235	231	2,159
S20-0620	LDW-Y3-IN-ENR+AC-4-C-CORE	5,337	2,669	494	2,175
S20-0621	LDW-Y3-IN-ENR+AC-4-D-CORE	4,977	2,194	398	2,385
S20-0622	LDW-Y3-IN-ENR+AC-4-E-CORE	5,175	1,997	555	2,623
S20-0623	LDW-Y3-IN-ENR+AC-5-A-CORE	5,145	1,500	455	3,189
S20-0624	LDW-Y3-IN-ENR+AC-5-D-CORE	5,006	2,728	460	1,818
S20-0625	LDW-Y3-IN-ENR+AC-5-E-CORE	4,843	1,722	450	2,670
S20-0626	LDW-Y3-IN-ENR+AC-6-A-CORE	4,543	1,550	349	2,643
S20-0627	LDW-Y3-IN-ENR+AC-6-B-CORE	4,778	1,807	342	2,629
S20-0628	LDW-Y3-IN-ENR+AC-6-C-ORE	5,452	2,341	437	2,674
S20-0629	LDW-Y3-IN-ENR+AC-6-D-CORE	3,529	239	119	3,171
S20-0630	LDW-Y3-IN-ENR-4-A-CORE	5,425	1,716	567	3,143

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Sample and Fraction Masses

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S20-0631	LDW-Y3-IN-ENR-4-B-CORE	5,109	1,798	381	2,929
S20-0632	LDW-Y3-IN-ENR-4-C-CORE	4,892	1,461	478	2,952
S20-0633	LDW-Y3-IN-ENR-4-D-CORE	4,208	2,145	328	1,735
S20-0634	LDW-Y3-IN-ENR-4-E-CORE	4,989	2,101	394	2,494
S20-0668	LDW-Y3-SC-ENR-1-C-CORE	4,188	1,193	382	2,613
S20-0669	LDW-Y3-SC-ENR-2-A-CORE	3,379	1,254	151	1,974
S20-0670	LDW-Y3-SC-ENR-2-B-CORE	4,951	2,208	243	2,500
S20-0671	LDW-Y3-SC-ENR-2-C-CORE	4,431	1,924	313	2,194
S20-0672	LDW-Y3-SC-ENR-2-D-CORE	2,240	147	6	2,086
S20-0673	LDW-Y3-SC-ENR-2-E-CORE	5,148	1,960	331	2,856
S20-0674	LDW-Y3-SC-ENR-3-A-CORE	3,946	1,004	189	2,754
S20-0675	LDW-Y3-SC-ENR-3-B-CORE	5,608	2,355	481	2,773
S20-0676	LDW-Y3-SC-ENR-3-C-CORE	3,350	785	222	2,343
S20-0677	LDW-Y3-SC-ENR-3-D-CORE	4,751	1,426	332	2,993
S20-0678	LDW-Y3-SC-ENR-3-E-CORE	5,274	1,988	352	2,935
S20-0679	LDW-Y3-SC-ENR-4-A-CORE	3,763	1,138	232	2,394
S20-0680	LDW-Y3-SC-ENR-4-B-CORE	4,488	935	305	3,248
S20-0681	LDW-Y3-SC-ENR-4-C-CORE	4,023	1,772	257	1,994
S20-0682	LDW-Y3-SC-ENR-4-D-CORE	2,982	396	88	2,498
S20-0683	LDW-Y3-SC-ENR-4-E-CORE	2,840	560	141	2,139
S20-0684	LDW-Y3-SC-ENR-5-A-CORE	4,030	719	190	3,121
S20-0685	LDW-Y3-SC-ENR-5-B-CORE	4,916	2,257	429	2,230
S20-0686	LDW-Y3-SC-ENR-5-C-CORE	3,436	1,168	230	2,038
S20-0687	LDW-Y3-SC-ENR-5-D-CORE	3,777	957	152	2,668
S20-0688	LDW-Y3-SC-ENR-5-E-CORE	3,595	1,276	207	2,112
S20-0689	LDW-Y3-SC-ENR-6-C-CORE	2,688	561	144	1,983
S20-0690	LDW-Y3-SC-ENR-6-D-CORE	4,050	1,252	300	2,498
S20-0691	LDW-Y3-SC-ENR-6-E-CORE	2,920	710	193	2,017
S20-0692	LDW-Y3-SC-ENR+AC-1-A-CORE	4,646	2,724	441	1,482
S20-0693	LDW-Y3-SC-ENR+AC-1-B-CORE	4,725	2,205	456	2,064
S20-0694	LDW-Y3-SC-ENR+AC-1-C-CORE	3,964	1,850	376	1,738
S20-0695	LDW-Y3-SC-ENR+AC-1-D-CORE	5,323	3,189	534	1,601
S20-0696	LDW-Y3-SC-ENR+AC-4-A-CORE	4,255	2,048	281	1,926
S20-0697	LDW-Y3-SC-ENR+AC-4-B-CORE	5,431	1,864	316	3,251
S20-0698	LDW-Y3-SC-ENR+AC-4-C-CORE	5,079	2,312	409	2,358
S20-0699	LDW-Y3-SC-ENR+AC-4-D-CORE	2,871	1,303	256	1,311

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S20-0700	LDW-Y3-SC-ENR+AC-4-D-CORE	2,948	576	44	2,328
S20-0701	LDW-Y3-SC-ENR+AC-5-E-CORE	2,779	506	134	2,140
S20-0702	LDW-Y3-SC-ENR+AC-1-E-CORE	3,462	2,261	242	959
S20-0703	LDW-Y3-SC-ENR+AC-2-B-CORE	3,900	1,207	268	2,424
S20-0704	LDW-Y3-SC-ENR+AC-2-C-CORE	5,124	1,485	297	3,342
S20-0705	LDW-Y3-SC-ENR+AC-2-D-CORE	4,727	1,316	255	3,156
S20-0706	LDW-Y3-SC-ENR+AC-2-E-CORE	4,997	1,521	389	3,087
S20-0707	LDW-Y3-SC-ENR+AC-3-B-CORE	4,614	1,837	418	2,359
S20-0708	LDW-Y3-SC-ENR+AC-3-D-CORE	5,517	2,423	506	2,589
S20-0711	LDW-Y3-SC-ENR-1-A-CORE	5,450	2,940	346	2,164
S20-0712	LDW-Y3-SC-ENR-1-D-CORE	4,430	1,359	246	2,825
S20-0713	LDW-Y3-SC-ENR-1-E-CORE	5,543	2,993	655	1,896
S20-0714	LDW-Y3-SC-ENR+AC-2-A-CORE	4,845	1,473	453	2,919
S20-0715	LDW-Y3-SC-ENR+AC-3-A-CORE	4,489	1,550	469	2,470
S20-0716	LDW-Y3-SC-ENR+AC-3-C-CORE	4,812	1,815	394	2,602
S20-0717	LDW-Y3-SC-ENR+AC-3-E-CORE	5,235	3,022	394	1,819
S20-0718	LDW-Y3-SC-ENR+AC-4-E-CORE	4,503	948	225	3,330
S20-0719	LDW-Y3-SC-ENR+AC-5-A-CORE	4,552	1,053	301	3,198
S20-0720	LDW-Y3-SC-ENR+AC-5-A-CORE	5,122	1,639	514	2,969
S20-0721	LDW-Y3-SC-ENR+AC-6-B-CORE	4,510	1,391	376	2,744
S20-0722	LDW-Y3-SC-ENR+AC-6-C-CORE	4,360	991	231	3,137
S20-0723	LDW-Y3-SC-ENR+AC-6-D-CORE	4,746	1,586	376	2,785
S20-0724	LDW-Y3-SC-ENR+AC-6-E-CORE	4,660	1,572	295	2,793
S20-0807	LDW-Y3-SC-ENR-1-C-ULM	5,014	2,574	595	1,845
S20-0808	LDW-Y3-SC-ENR-1-D-ULM	4,933	2,970	498	1,465
S20-0809	LDW-Y3-SC-ENR-1-E-ULM	4,910	1,699	593	2,619
S20-0810	LDW-Y3-SC-ENR-2-A-ULM	5,640	3,426	557	1,657
S20-0811	LDW-Y3-SC-ENR-2-B-ULM	5,228	2,375	493	2,359
S20-0812	LDW-Y3-SC-ENR-2-D-ULM	4,485	3,356	334	795
S20-0813	LDW-Y3-SC-ENR-2-E-ULM	4,725	2,205	456	2,064
S20-0814	LDW-Y3-SC-ENR-3-A-ULM	4,703	1,762	521	2,420
S20-0815	LDW-Y3-SC-ENR-3-C-ULM	4,085	1,975	382	1,728
S20-0816	LDW-Y3-SC-ENR-3-D-ULM	5,664	1,971	558	3,136
S20-0817	LDW-Y3-SC-ENR-3-E-ULM	5,186	2,282	453	2,451
S20-0818	LDW-Y3-SC-ENR-4-A-ULM	5,294	1,485	446	3,363
S20-0819	LDW-Y3-SC-ENR-4-B-ULM	5,730	1,973	397	3,360

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S20-0820	LDW-Y3-SC-ENR-4-C-ULM	5,608	2,277	606	2,725
S20-0821	LDW-Y3-SC-ENR-4-D-ULM	4,887	2,105	500	2,283
S20-0822	LDW-Y3-SC-ENR-5-A-ULM	5,308	1,970	553	2,786
S20-0823	LDW-Y3-SC-ENR-5-B-ULM	4,693	2,566	395	1,732
S20-0824	LDW-Y3-SC-ENR-5-D-ULM	5,391	2,380	444	2,567
S20-0825	LDW-Y3-SC-ENR-5-E-ULM	5,456	1,291	632	3,533
S20-0826	LDW-Y3-SC-ENR-6-C-ULM	4,629	2,254	416	1,959
S20-0827	LDW-Y3-SC-ENR-6-E-ULM	5,616	2,088	491	3,037
S20-0828	LDW-Y3-SC-ENR+AC-2-A-ULM	5,765	2,026	562	3,176
S20-0829	LDW-Y3-SC-ENR+AC-2-B-ULM	5,547	1,929	625	2,993
S20-0830	LDW-Y3-SC-ENR+AC-2-C-ULM	4,822	1,755	384	2,684
S20-0831	LDW-Y3-SC-ENR+AC-4-A-ULM	4,416	1,324	210	2,881
S20-0832	LDW-Y3-SC-ENR+AC-4-B-ULM	4,877	2,735	346	1,796
S20-0833	LDW-Y3-SC-ENR+AC-4-E-ULM	4,726	2,035	496	2,194
S20-0834	LDW-Y3-SC-ENR+AC-5-B-ULM	4,960	2,281	514	2,165
S20-0835	LDW-Y3-SC-ENR+AC-5-E-ULM	4,550	1,893	458	2,199

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