Materials Testing & Consulting, Inc.

Geotechnical Engineering • Special Inspection • Materials Testing • Environmental Consulting

Project:	LDW ENR/AC Pilot Study Year 1	**Date Received:**	June 29, 2018
Project #:	18S140-02	**Sampled By:**	Client
Client :	Wood	**Date Reported:**	July 6, 2018
Source:	Multiple	**Tested By:**	B. Goble
MTC Sample#:	Multiple		

CASE NARRATIVE

1. One hundred ten samples 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 materials retained on the sieves were discarded. The material passing the No. 4 sieve was placed back in the original sample container and delivered to 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.

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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
S18-1387	LDW-Y1-SC-ENR-4-C-CORE	3,260	1,550	270	1,435
S18-1388	LDW-Y1-SC-ENR-4-D-CORE	3,840	2,610	280	935
S18-1389	LDW-Y1-SC-ENR-4-E-CORE	4,240	1,550	585	2,080
S18-1390	LDW-Y1-SC-ENR-2-B-CORE	4,020	1,985	290	1,735
S18-1391	LDW-Y1-SC-ENR-2-C-CORE	4,430	2,090	335	1,995
S18-1392	LDW-Y1-SC-ENR-2-C-CORE	1,680	1,040	180	440
S18-1393	LDW-Y1-SC-ENR-6-A-CORE	3,895	1,580	360	1,920
S18-1394	LDW-Y1-SC-ENR-6-D-CORE	4,015	1,775	470	1,745
S18-1395	LDW-Y1-SC-ENR-6-C-CORE	4,100	1,825	335	1,910
S18-1396	LDW-Y1-SC-ENR-5-D-CORE	3,695	1,100	295	2,275
S18-1397	LDW-Y1-SC-ENR-6-E-CORE	3,790	1,555	370	1,845
S18-1398	LDW-Y1-SC-ENR-5-A-CORE	4,710	1,965	405	2,310
S18-1399	LDW-Y1-SC-ENR-2-A-CORE	3,995	1,575	375	2,005
S18-1400	LDW-Y1-SC-ENR-1-D-CORE	4,015	1,195	315	2,475
S18-1401	LDW-Y1-SC-ENR-1-C-CORE	3,770	1,300	435	1,990
S18-1402	LDW-Y1-SC-ENR-2-E-CORE	3,895	1,665	310	1,890
S18-1403	LDW-Y1-SC-ENR-4-B-CORE	4,035	1,910	310	1,785
S18-1404	LDW-Y1-SC-ENR-4-A-CORE	4,455	1,765	425	2,235
S18-1405	LDW-Y1-SC-ENR-6-B-CORE	4,035	1,305	345	2,360
S18-1556	LDW-Y1-SC-ENR-3-D-CORE	3,835	1,245	270	2,300
S18-1557	LDW-Y1-SC-ENR-3-E-CORE	3,270	1,950	255	1,050
S18-1558	LDW-Y1-SC-ENR-3-C-CORE	4,290	1,040	335	2,890
S18-1559	LDW-Y1-SC-ENR-5-E-CORE	5,180	1,760	420	2,955
S18-1560	LDW-Y1-SC-ENR-5-C-CORE	4,200	1,625	295	2,255
S18-1561	LDW-Y1-SC-ENR+AC-6-B-CORE	5,025	2,210	415	2,360
S18-1562	LDW-Y1-SC-ENR+AC-6-C-CORE	4,840	2,325	315	2,170
S18-1563	LDW-Y1-SC-ENR+AC-4-C-CORE	5,210	2,200	500	2,480
S18-1564	LDW-Y1-SC-ENR+AC-4-D-CORE	4,745	1,340	355	2,995
S18-1565	LDW-Y1-SC-ENR+AC-4-E-CORE	4,110	955	190	2,940
S18-1566	LDW-Y1-SC-ENR+AC-6-D-CORE	5,365	2,055	460	2,830
S18-1567	LDW-Y1-SC-ENR+AC-6-E-CORE	4,355	2,225	280	1,810
S18-1568	LDW-Y1-SC-ENR+AC-5-D-CORE	4,925	1,770	395	2,735
S18-1569	LDW-Y1-SC-ENR+AC-5-E-CORE	5,585	1,995	585	2,985
S18-1570	LDW-Y1-SC-ENR+AC-5-B-CORE	4,290	1,010	175	3,075
S18-1571	LDW-Y1-SC-ENR+AC-5-A-CORE	4,345	1,010	310	2,990
S18-1572	LDW-Y1-SC-ENR+AC-3-A-CORE	4,885	1,205	390	3,270

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Reviewed by: E Gabriel Goble

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Sample and Fraction Masses

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S18-1573	LDW-Y1-SC-ENR+AC-3-E-CORE	4,875	1,780	395	2,685
S18-1574	LDW-Y1-SC-ENR+AC-3-B-CORE	4,595	2,140	375	2,065
S18-1575	LDW-Y1-SC-ENR+AC-3-D-CORE	4,810	2,530	325	1,945
S18-1576	LDW-Y1-SC-ENR+AC-1-D-CORE	5,215	1,835	500	2,845
S18-1577	LDW-Y1-SC-ENR+AC-1-B-CORE	5,360	2,810	550	1,950
S18-1578	LDW-Y1-SC-ENR-1-B-CORE	4,540	1,655	385	2,455
S18-1579	LDW-Y1-SC-ENR+AC-2-D-CORE	3,770	1,400	225	2,125
S18-1580	LDW-Y1-SC-ENR+AC-2-C-CORE	4,020	1,700	225	2,085
S18-1581	LDW-Y1-SC-ENR+AC-2-E-CORE	4,280	1,275	300	2,685
S18-1582	LDW-Y1-SC-ENR-1-E-CORE	4,565	1,730	405	2,415
S18-1583	LDW-Y1-SC-ENR-3-A-CORE	3,920	1,800	255	1,835
S18-1584	LDW-Y1-SC-ENR-3-B-CORE	3,110	1,355	245	1,470
S18-1596	LDW-Y1-SC-ENR+AC-1-A-CORE	5,095	2,010	635	2,435
S18-1597	LDW-Y1-SC-ENR+AC-1-E-CORE	4,590	1,720	400	2,420
S18-1598	LDW-Y1-SC-ENR+AC-2-B-CORE	5,375	1,865	370	3,125
S18-1599	LDW-Y1-SC-ENR+AC-4-A-CORE	3,410	1,050	255	2,095
S18-1600	LDW-Y1-SC-ENR+AC-1-C-CORE	5,845	2,740	510	2,590
S18-1601	LDW-Y1-IN-ENR+AC-1-C-CORE	4,870	1,270	350	3,230
S18-1602	LDW-Y1-IN-ENR+AC-1-D-CORE	4,735	1,320	310	3,080
S18-1603	LDW-Y1-IN-ENR+AC-1-E-CORE	5,150	1,880	340	2,915
S18-1604	LDW-Y1-IN-ENR+AC-2-A-CORE	4,950	1,165	465	3,310
S18-1605	LDW-Y1-IN-ENR+AC-3-A-CORE	5,280	1,680	445	3,145
S18-1606	LDW-Y1-IN-ENR+AC-3-C-CORE	4,420	1,580	385	2,450
S18-1607	LDW-Y1-IN-ENR+AC-2-B-CORE	5,210	2,410	300	2,470
S18-1608	LDW-Y1-IN-ENR+AC-2-C-CORE	4,575	1,475	320	2,765
S18-1609	LDW-Y1-IN-ENR+AC-5-C-CORE	4,860	1,450	390	3,010
S18-1610	LDW-Y1-IN-ENR+AC-5-B-CORE	5,035	1,645	385	2,990
S18-1611	LDW-Y1-IN-ENR+AC-6-A-CORE	4,525	1,060	290	3,175
S18-1612	LDW-Y1-IN-ENR+AC-6-C-CORE	4,975	1,605	355	3,000
S18-1613	LDW-Y1-IN-ENR+AC-5-E-CORE	5,200	1,655	335	3,170
S18-1614	LDW-Y1-IN-ENR+AC-4-D-CORE	5,330	2,115	405	2,790
S18-1615	LDW-Y1-IN-ENR+AC-1-A-CORE	4,780	755	315	3,705
S18-1616	LDW-Y1-IN-ENR+AC-1-B-CORE	5,185	1,480	435	3,255
S18-1617	LDW-Y1-IN-ENR-4-B-CORE	5,630	2,365	585	2,665
S18-1618	LDW-Y1-IN-ENR-3-D-CORE	4,235	1,445	480	2,295
S18-1619	LDW-Y1-IN-ENR+AC-4-C-CORE	4,625	980	415	3,225

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S18-1620	LDW-Y1-IN-ENR+AC-4-A-CORE	5,565	2,190	380	2,990
S18-1621	LDW-Y1-IN-ENR+AC-4-B-CORE	5,320	2,300	465	2,540
S18-1622	LDW-Y1-IN-ENR+AC-5-A-CORE	5,520	1,810	450	3,245
S18-1623	LDW-Y1-IN-ENR-5-D-CORE	5,250	2,350	465	2,425
S18-1624	LDW-Y1-IN-ENR-5-B-CORE	4,765	1,560	365	2,825
S18-1625	LDW-Y1-IN-ENR-6-B-CORE	4,055	585	175	3,275
S18-1626	LDW-Y1-IN-ENR-6-A-CORE	4,930	1,340	315	3,265
S18-1627	LDW-Y1-IN-ENR-6-C-CORE	3,180	595	160	2,420
S18-1628	LDW-Y1-IN-ENR+AC-6-E-CORE	5,105	1,730	285	3,070
S18-1629	LDW-Y1-IN-ENR-5-C-CORE	4,905	1,890	445	2,610
S18-1630	LDW-Y1-IN-ENR-5-A-CORE	4,715	1,300	305	3,100
S18-1631	LDW-Y1-IN-ENR-1-B-CORE	5,240	1,860	405	2,980
S18-1632	LDW-Y1-IN-ENR-2-B-CORE	4,955	2,785	410	1,770
S18-1633	LDW-Y1-IN-ENR-4-A-CORE	5,175	2,390	485	2,290
S18-1634	LDW-Y1-IN-ENR-3-C-CORE	4,530	1,015	300	3,250
S18-1635	LDW-Y1-IN-ENR-3-B-CORE	5,165	1,700	445	3,010
S18-1636	LDW-Y1-IN-ENR-3-A-CORE	4,930	790	230	3,890
S18-1637	LDW-Y1-IN-ENR-2-E-CORE	4,890	2,235	520	2,120
S18-1638	LDW-Y1-IN-ENR-2-D-CORE	5,195	1,345	365	3,475
S18-1639	LDW-Y1-IN-ENR-3-E-CORE	4,990	975	275	3,705
S18-1640	LDW-Y1-IN-ENR-2-C-CORE	5,080	1,760	540	2,755
S18-1641	LDW-Y1-IN-ENR-1-C-CORE	3,175	525	100	2,525
S18-1642	LDW-Y1-IN-ENR-1-E-CORE	5,180	830	205	4,130
S18-1643	LDW-Y1-IN-ENR+AC-3-E-CORE	5,045	2,565	340	2,125
S18-1644	LDW-Y1-IN-ENR+AC-3-B-CORE	4,905	1,555	280	3,055
S18-1645	LDW-Y1-IN-ENR+AC-3-D-CORE	5,300	2,200	455	2,635
S18-1646	LDW-Y1-IN-ENR+AC-6-B-CORE	5,080	2,040	330	2,710
S18-1647	LDW-Y1-IN-ENR+AC-2-D-CORE	4,845	1,845	185	2,810
S18-1648	LDW-Y1-IN-ENR+AC-2-E-CORE	4,800	1,755	355	2,680
S18-1649	LDW-Y1-IN-ENR+AC-4-E-CORE	4,895	1,965	355	2,565
S18-1650	LDW-Y1-IN-ENR-1-D-CORE	4,960	1,600	310	3,040
S18-1651	LDW-Y1-IN-ENR-4-D-CORE	5,520	2,275	580	2,655
S18-1652	LDW-Y1-IN-ENR-4-E-CORE	4,965	2,260	375	2,320
S18-1653	LDW-Y1-IN-ENR-6-E-CORE	4,700	1,420	390	2,870
S18-1654	LDW-Y1-IN-ENR-6-D-CORE	5,170	2,295	520	2,350
S18-1655	LDW-Y1-IN-ENR-5-E-CORE	5,225	2,115	375	2,730

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S18-1656	LDW-Y1-IN-ENR+AC-6-D-CORE	4,095	1,050	230	2,800
S18-1657	LDW-Y1-IN-ENR+AC-5-D-CORE	4,565	1,550	280	2,725

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