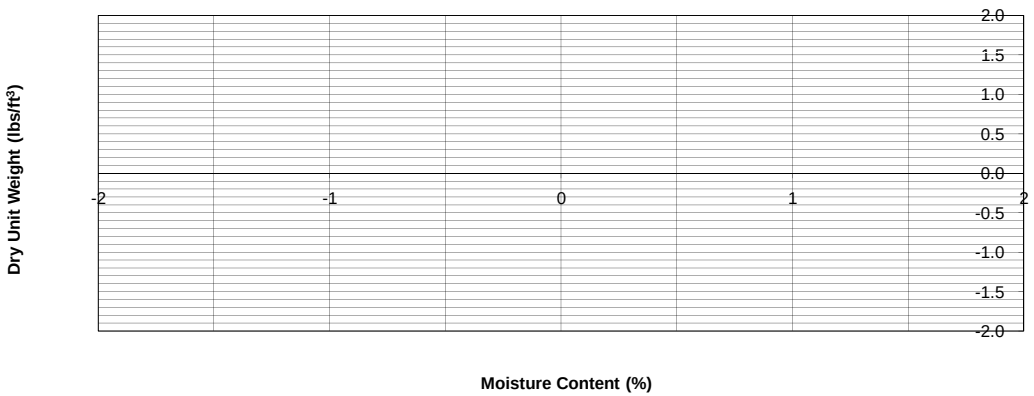
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-3833	**Test No**	C-1
USACE Contract No	W912P8-09-0046-0008			**Contractor**		**Revision**	
Project	New Westwego PS to Orleans Village			**Sample Date**	27-Aug		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	145+08	**Offset**	21' FS	**Lift No**	1		
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**	5.0		
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	27.8		
Compaction Hammer	Mechanical	**Specific Gravity**		**Specific Gravity Method**			
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	Yes		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Chae Hrenyk	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2019.0	2019.0	2019.0	2019.0	2019.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3562.0	3608.0	3696.0	3782.0	3786.0
Wet Soil Mass (g)	1543.0	1589.0	1677.0	1763.0	1767.0
Wet Unit Weight (lbs/ft³)	102.2	105.2	111.0	116.7	117.0
Tare No	CP-19	CW-2	CP-20	CP-3	EP-26
Tare Mass (g)	16.6	16.7	16.7	16.7	16.8
Wet Soil + Tare Mass (g)	470.6	435.1	422.9	478.7	486.1
Dry Soil + Tare Mass (g)	415.5	377.4	360.2	399.8	400.3
Moisture Content (%)	**13.8**	**16.0**	**18.3**	**20.6**	**22.4**
Dry Unit Weight (lbs/ft³)	**89.8**	**90.7**	**93.9**	**96.8**	**95.6**

Compaction Curve



Proctor Test Results	
Proctor No	10-81-3667-3833 C-1
Optimum Moisture Content (%)	20.8
Max Dry Unit Weight (lbs/ft³)	96.6

Liquid And Plastic Limits	
Liquid Limit	60
Plastic Limit	16
Plasticity Index	44
Group Symbol	CH
Sand Content (Retained No 200) (%)	4.2
Fines (Minus No 200) (%)	95.8

Remarks	C-1 coordinates (N.500851.9/E.3662457.5)		
Version	**MVNQS02-100903**		

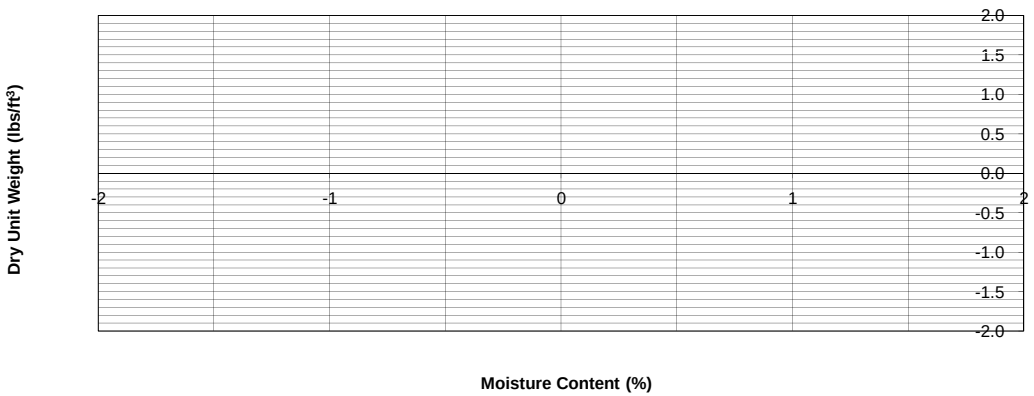
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-3833	**Test No**	C-2
USACE Contract No	W912P8-09-0046-0008			**Contractor**		**Revision**	
Project	New Westwego PS to Orleans Village			**Sample Date**	27-Aug		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	139+03	**Offset**	22' FS	**Lift No**	1		
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**	4.8		
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	28.5		
Compaction Hammer	Mechanical	**Specific Gravity**		**Specific Gravity Method**			
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	Yes		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Chae Hrenyk	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2019.0	2019.0	2019.0	2019.0	2019.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3624.0	3679.0	3773.0	3849.0	3846.0
Wet Soil Mass (g)	1605.0	1660.0	1754.0	1830.0	1827.0
Wet Unit Weight (lbs/ft³)	106.3	109.9	116.1	121.2	121.0
Tare No	CP-13	CP-5	DB7	CP-8	CP-12
Tare Mass (g)	16.7	16.7	13.8	16.7	16.6
Wet Soil + Tare Mass (g)	447.1	499.9	489.2	553.6	569.9
Dry Soil + Tare Mass (g)	394.5	431.8	414.3	461.4	467.8
Moisture Content (%)	**13.9**	**16.4**	**18.7**	**20.8**	**22.6**
Dry Unit Weight (lbs/ft³)	**93.3**	**94.4**	**97.8**	**100.3**	**98.6**

Compaction Curve



Proctor Test Results	
Proctor No	10-81-3667-3833 C-2
Optimum Moisture Content (%)	20.9
Max Dry Unit Weight (lbs/ft³)	100.1

Liquid And Plastic Limits	
Liquid Limit	54
Plastic Limit	18
Plasticity Index	36
Group Symbol	CH
Sand Content (Retained No 200) (%)	4.2
Fines (Minus No 200) (%)	95.8

Remarks	C-2 coordinates (N.500893.4/E.3661854.2)		
Version	**MVNQS02-100903**		

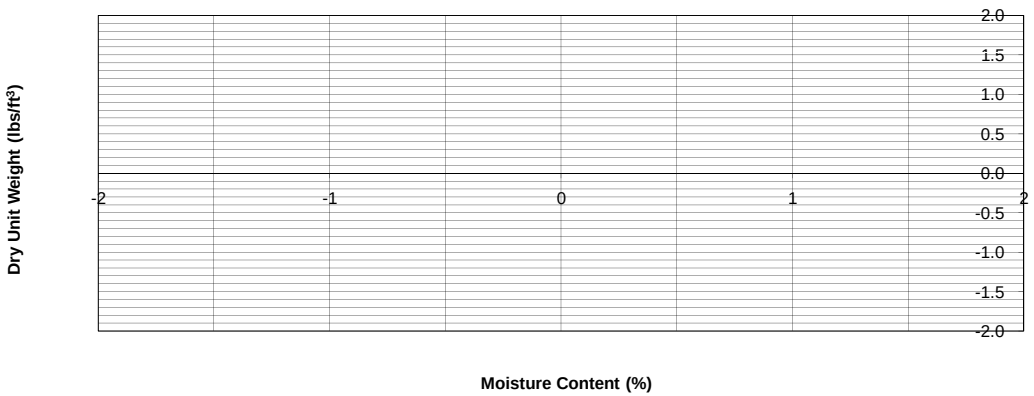
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-4075	**Test No**	C-3
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego Pump Station to Orleans Village Levee			**Sample Date**	9/29/2010		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	99+25	**Offset**		**Lift No**			
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**			
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	21.4		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2019.0	2019.0	2019.0	2019.0	2019.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3546.0	3663.0	3712.0	3753.0	3752.0
Wet Soil Mass (g)	1527.0	1644.0	1693.0	1734.0	1733.0
Wet Unit Weight (lbs/ft³)	101.0	108.7	112.0	114.7	114.6
Tare No	DB-14	SM-1	CP-2	CP-27	CP-20
Tare Mass (g)	13.7	13.9	16.6	16.7	16.8
Wet Soil + Tare Mass (g)	554.1	513.7	677.5	594.4	527.3
Dry Soil + Tare Mass (g)	470.3	428.0	557.1	480.1	418.9
Moisture Content (%)	**18.4**	**20.7**	**22.3**	**24.7**	**27.0**
Dry Unit Weight (lbs/ft³)	**85.3**	**90.1**	**91.6**	**92.0**	**90.3**

Compaction Curve



Proctor Test Results	
Proctor No	C-3
Optimum Moisture Content (%)	23.9
Max Dry Unit Weight (lbs/ft³)	92.0

Liquid And Plastic Limits	
Liquid Limit	71
Plastic Limit	21
Plasticity Index	60
Group Symbol	CH
Sand Content (Retained No 200) (%)	4.4
Fines (Minus No 200) (%)	95.6

Remarks	Station number was the only information given.
Version	**MVNQS02-100907**

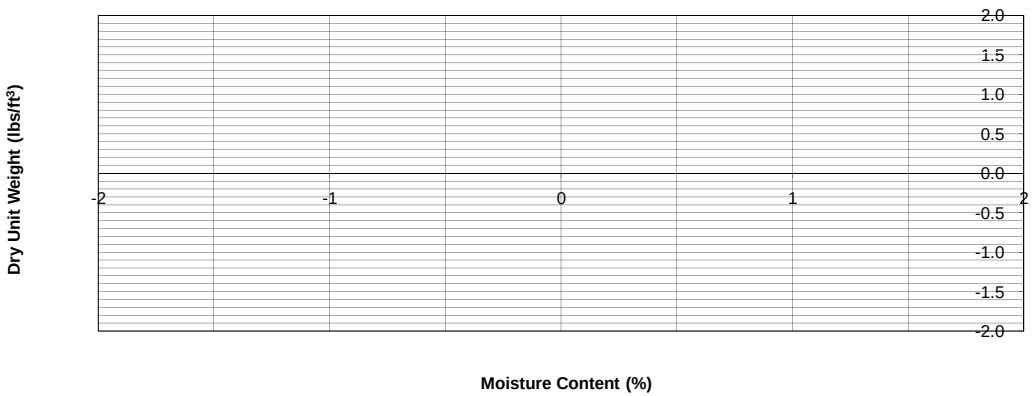
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-4075	**Test No**	C-4
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego Pump Station to Orleans Village Levee			**Sample Date**	9/29/2010		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	99+25	**Offset**		**Lift No**			
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**			
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	54.1		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2019.0	2019.0	2019.0	2019.0	2019.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3631.0	3680.0	3715.0	3740.0	3753.0
Wet Soil Mass (g)	1612.0	1661.0	1696.0	1721.0	1734.0
Wet Unit Weight (lbs/ft³)	106.6	109.9	112.2	113.8	114.7
Tare No	CP-10	CP-9	CP-19	CP-12	CP-5
Tare Mass (g)	16.7	17.0	16.7	16.7	16.8
Wet Soil + Tare Mass (g)	785.3	507.1	669.3	611.1	515.2
Dry Soil + Tare Mass (g)	648.0	411.1	532.9	478.8	397.2
Moisture Content (%)	**21.7**	**24.3**	**26.4**	**28.6**	**31.0**
Dry Unit Weight (lbs/ft³)	**87.6**	**88.3**	**88.7**	**88.5**	**87.5**

Compaction Curve



Proctor Test Results	
Proctor No	C-4
Optimum Moisture Content (%)	27.0
Max Dry Unit Weight (lbs/ft³)	88.7

Liquid And Plastic Limits	
Liquid Limit	75
Plastic Limit	23
Plasticity Index	52
Group Symbol	CH
Sand Content (Retained No 200) (%)	11.6
Fines (Minus No 200) (%)	88.4

Remarks	Station number was the only information given.
Version	**MVNQS02-100907**

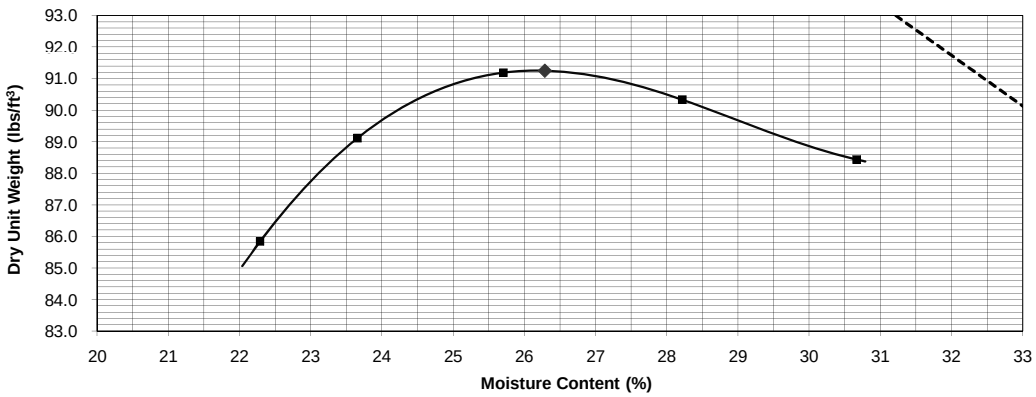
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164	**Test No**	C-05
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS To Orleans Village Levee			**Sample Date**	4/7/2011		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Dark Gray Clay (CH)		
Station	12+00	**Offset**		**Lift No**			
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**			
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	27		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Info Only**		
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2018.0	2018.0	2018.0	2018.0	2018.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3605.0	3684.0	3751.0	3769.0	3765.0
Wet Soil Mass (g)	1587.0	1666.0	1733.0	1751.0	1747.0
Wet Unit Weight (lbs/ft³)	105.0	110.2	114.6	115.8	115.6
Tare No	CP20	CP8	CP27	CP25	CP6
Tare Mass (g)	16.7	16.8	16.7	16.7	16.7
Wet Soil + Tare Mass (g)	490.2	520.5	553.7	602.7	600.9
Dry Soil + Tare Mass (g)	403.9	424.1	443.9	473.7	463.8
Moisture Content (%)	**22.3**	**23.7**	**25.7**	**28.2**	**30.7**
Dry Unit Weight (lbs/ft³)	**85.8**	**89.1**	**91.2**	**90.3**	**88.4**

Compaction Curve



Proctor Test Results	
Proctor No	10-81-3667-5164+C-05
Optimum Moisture Content (%)	26.0
Max Dry Unit Weight (lbs/ft³)	91.6

Liquid And Plastic Limits	
Liquid Limit	77
Plastic Limit	23
Plasticity Index	54
Group Symbol	CH
Sand Content (Retained No 200) (%)	3.9
Fines (Minus No 200) (%)	96.1

Remarks	No coordinates, lift, elevation, or offset provided.
Version	**MVNQS02-101130**

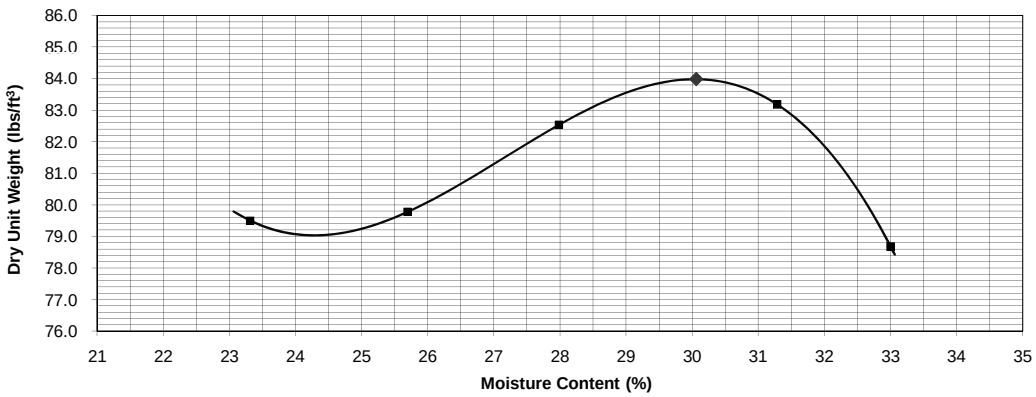
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164	**Test No**	C-06
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS To Orleans Village Levee			**Sample Date**	4/7/2011		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Dark Gray Clay (CH)		
Station	145+00	**Offset**		**Lift No**			
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**			
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	27		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Info Only**		
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2018.0	2018.0	2018.0	2018.0	2018.0
Mold Volume (ft³)	0.0333	0.0333	0.0333	0.0333	0.0333
Wet Soil + Mold Mass (g)	3500.0	3534.0	3615.0	3669.0	3600.0
Wet Soil Mass (g)	1482.0	1516.0	1597.0	1651.0	1582.0
Wet Unit Weight (lbs/ft³)	98.0	100.3	105.6	109.2	104.6
Tare No	CW4	CP22	CW5	CP24	CP17
Tare Mass (g)	16.8	16.8	16.7	16.7	16.8
Wet Soil + Tare Mass (g)	490.7	497.9	468.0	524.2	577.2
Dry Soil + Tare Mass (g)	401.1	399.5	369.4	403.3	438.1
Moisture Content (%)	**23.3**	**25.7**	**28.0**	**31.3**	**33.0**
Dry Unit Weight (lbs/ft³)	**79.5**	**79.8**	**82.5**	**83.2**	**78.7**

Compaction Curve



Proctor Test Results	
Proctor No	10-81-3667-5164+C-06
Optimum Moisture Content (%)	30.0
Max Dry Unit Weight (lbs/ft³)	84.5

Liquid And Plastic Limits	
Liquid Limit	96
Plastic Limit	27
Plasticity Index	69
Group Symbol	CH
Sand Content (Retained No 200) (%)	5.1
Fines (Minus No 200) (%)	94.9

Remarks	No coordinates, lift, elevation, or offset provided.
Version	**MVNQS02-101130**

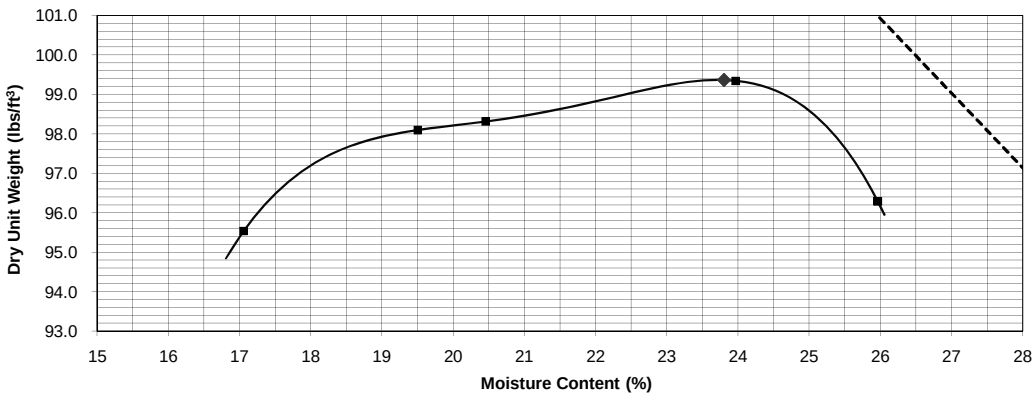
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	5972	**Test No**	C-07
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS Levee			**Sample Date**	8/23/2011		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	163+51	**Offset**	112' PS	**Lift No**	5		
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**	5.7		
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	21.6		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Greg Price	**Reviewed By**	Bill Singleton	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2014.0	2014.0	2014.0	2014.0	2014.0
Mold Volume (ft³)	0.0331	0.0331	0.0331	0.0331	0.0331
Wet Soil + Mold Mass (g)	3693.0	3774.0	3792.0	3863.0	3835.0
Wet Soil Mass (g)	1679.0	1760.0	1778.0	1849.0	1821.0
Wet Unit Weight (lbs/ft³)	111.8	117.2	118.4	123.2	121.3
Tare No	BLF118	JH6	BLF141	BLF140	BLF164
Tare Mass (g)	16.7	16.9	16.8	16.7	16.7
Wet Soil + Tare Mass (g)	509.3	539.4	574.6	665.5	468.9
Dry Soil + Tare Mass (g)	437.5	454.1	479.9	540.1	375.7
Moisture Content (%)	**17.1**	**19.5**	**20.5**	**24.0**	**26.0**
Dry Unit Weight (lbs/ft³)	**95.5**	**98.1**	**98.3**	**99.3**	**96.3**

Compaction Curve



Proctor Test Results	
Proctor No	5972 C-07
Optimum Moisture Content (%)	23.5
Max Dry Unit Weight (lbs/ft³)	99.5

Liquid And Plastic Limits	
Liquid Limit	59
Plastic Limit	17
Plasticity Index	42
Group Symbol	CH
Sand (Retained No 200) (%)	2.5
Fines (Minus No 200) (%)	97.5

Remarks	
Version	**MVNQS02-110523**

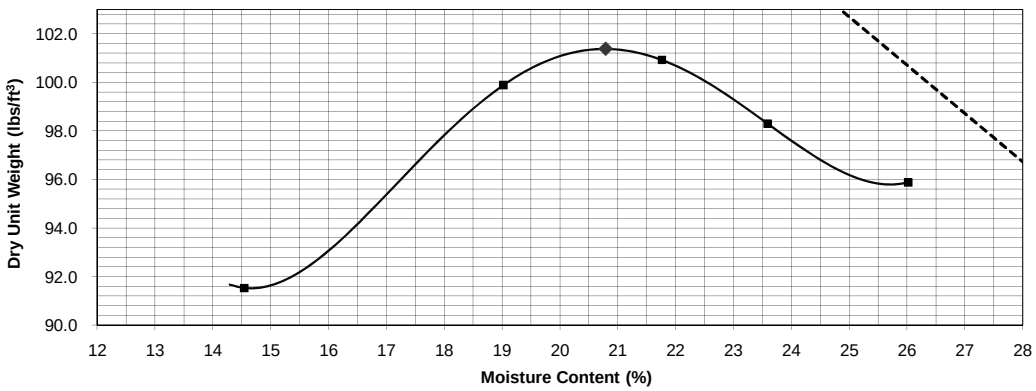
US Army Corps of Engineers

Compaction - Moisture Density Relationship - ASTM D 698 / D 1557

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	5972	**Test No**	C-08
USACE Contract No	W912P8-09-D-0046-0008			**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS Levee			**Sample Date**	8/23/2011		
Material Source	Borrow Pit	**Feature**	Berm	**Visual Description**	Brown and Gray Clay (CH)		
Station	168+42	**Offset**	127' PS	**Lift No**	5		
Latitude (°N)		**Longitude (°W)**		**Elevation (ft)**	5.5		
Test Method	ASTM D698-A	**Preparation Method**	Moist	**Received Moisture Content (%)**	21.7		
Compaction Hammer	Mechanical	**Specific Gravity**	2.80	**Specific Gravity Method**	Estimated		
Retained - No 4 Sieve (%)		**Retained - 3/8" Sieve (%)**		**ASTM D 3718 Correction**	No		
Retained - 3/4" Sieve (%)				**Test Result**	**Pass**		
Lab Tested By	Greg Price	**Reviewed By**	Bill Singleton	**Submitted By**	Dustin Wyble		

Trial No	**1**	**2**	**3**	**4**	**5**
Mold No	PM-01-4	PM-01-4	PM-01-4	PM-01-4	PM-01-4
Mold Mass (g)	2014.0	2014.0	2014.0	2014.0	2014.0
Mold Volume (ft³)	0.0331	0.0331	0.0331	0.0331	0.0331
Wet Soil + Mold Mass (g)	3588.0	3799.0	3859.0	3838.0	3828.0
Wet Soil Mass (g)	1574.0	1785.0	1845.0	1824.0	1814.0
Wet Unit Weight (lbs/ft³)	104.8	118.9	122.9	121.5	120.8
Tare No	DW1	CW2	CP27	CP-3	DW12
Tare Mass (g)	16.6	16.8	16.7	16.7	16.6
Wet Soil + Tare Mass (g)	408.9	514.8	650.7	598.7	548.9
Dry Soil + Tare Mass (g)	359.1	435.2	537.4	487.6	438.9
Moisture Content (%)	**14.5**	**19.0**	**21.8**	**23.6**	**26.0**
Dry Unit Weight (lbs/ft³)	**91.5**	**99.9**	**100.9**	**98.3**	**95.9**

Compaction Curve



Proctor Test Results	
Proctor No	5972 C-08
Optimum Moisture Content (%)	21.0
Max Dry Unit Weight (lbs/ft³)	101.5

Liquid And Plastic Limits	
Liquid Limit	57
Plastic Limit	16
Plasticity Index	41
Group Symbol	CH
Sand (Retained No 200) (%)	2.8
Fines (Minus No 200) (%)	97.2

Remarks	
Version	**MVNQS02-110523**

Unified Soil Classification System - ASTM D 2487 (Method B)

US Army Corps of Engineers

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-3833
USACE Contract No	W912P8-09-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project				**Sample Date**	8/27/2010
Min Plasticity Index	10	**Max Fines (%) Retained**	35.0		
Lab Tested By	Calvin Hu, Greg Price	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	T-1	T-2	C-1	C-2	
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	
Feature	Berm	Berm	Berm	Berm	
Visual Description	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	
Station	145+08	139+03	145+08	139+03	
Offset	21' FS	22' FS	21' FS	22' FS	
Lift No	1	1	1	1	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	5.0'	4.8'	5.0'	4.8'	
Estimated Retained No 40 (%)	0.0	0.0	0.0	0.0	
Sample Air Dried	No	No	No	No	
Liquid Limit (ASTM D 4318 Method B)					
Trial No 1 / Blow Count	27	23	20	20	
Tare No	544	719	512	521	
Wet Soil + Tare Mass (g)	54.33	52.56	53.44	50.09	
Dry Soil + Tare Mass (g)	48.16	47.36	47.47	45.69	
Tare Mass (g)	37.77	37.55	37.84	37.77	
Moisture Content (%)	59.9	52.5	60.3	54.1	
Trial No 2 / Blow Count	27	23	20	20	
Tare No	732	564	739	554	
Wet Soil + Tare Mass (g)	51.05	53.14	51.67	52.21	
Dry Soil + Tare Mass (g)	46.12	47.80	46.13	46.83	
Tare Mass (g)	37.84	37.68	37.13	37.02	
Moisture Content (%)	60.1	52.2	59.9	53.4	
Plastic Limit (ASTM D 4318)					
Trial No 1 / Tare No	717	740	746	745	
Wet Soil + Tare Mass (g)	48.17	47.93	48.37	48.06	
Dry Soil + Tare Mass (g)	46.76	46.53	46.95	46.47	
Tare Mass (g)	37.91	37.77	37.95	37.78	
Moisture Content (%)	15.9	16.0	15.8	18.3	
Trial No 2 / Tare No	527	500	715	730	
Wet Soil + Tare Mass (g)	50.22	48.17	48.12	49.25	
Dry Soil + Tare Mass (g)	48.51	46.74	46.68	47.53	
Tare Mass (g)	37.77	37.63	37.65	37.77	
Moisture Content (%)	15.9	15.7	15.9	17.6	
Materials Finer than No 200 Sieve (ASTM D 1140)					
Initial Dry Soil Mass (g)					
Dry Soil Mass after Washing (g)					
Test Status					
Liquid Limit	**60**	**52**	**60**	**54**	
Plastic Limit	**16**	**16**	**16**	**18**	
Plasticity Index	**44**	**36**	**44**	**36**	
Gravel Content (%)	0.0	0.0	0.0	0.0	
Sand Content (%)	2.9	5.0	4.2	4.2	
Fines (%)	97.1	95.0	95.8	95.8	
Group Symbol	CH	CH	CH	CH	
Group Name	CH	CH	CH	CH	
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	
Remarks	T-1 coordinates (N.500851.9/E.3662457.5)	T-2 coordinates (N.500893.4/E.3661854.2)			
Version	**MVNQS06-100903**				

US Army Corps of Engineers

Unified Soil Classification System - ASTM D 2487 (Method B)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-4075
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego Pump Station to Orleans Village Levee			**Sample Date**	9/29/2010
Min Plasticity Index	10	**Max Fines (%) Retained**	35.0		
Lab Tested By	Calvin Hu, Jami Harpole	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	C-3	C-4			
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit			
Feature	Berm	Berm			
Visual Description	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)			
Station	99+25	99+25			
Offset					
Lift No					
Latitude (°N)					
Longitude (°W)					
Elevation (ft)					
Estimated Retained No 40 (%)	0.0	0.0			
Sample Air Dried	No	No			
Liquid Limit (ASTM D 4318 Method B)					
Trial No 1 / Blow Count	30	29			
Tare No	508	516			
Wet Soil + Tare Mass (g)	49.14	51.60			
Dry Soil + Tare Mass (g)	44.41	45.68			
Tare Mass (g)	37.67	37.66			
Moisture Content (%)	71.7	75.2			
Trial No 2 / Blow Count	30	29			
Tare No	734	111			
Wet Soil + Tare Mass (g)	52.44	50.63			
Dry Soil + Tare Mass (g)	46.48	45.35			
Tare Mass (g)	37.89	38.23			
Moisture Content (%)	70.9	75.5			
Plastic Limit (ASTM D 4318)					
Trial No 1 / Tare No	702	509			
Wet Soil + Tare Mass (g)	49.67	48.65			
Dry Soil + Tare Mass (g)	47.58	46.60			
Tare Mass (g)	37.59	37.60			
Moisture Content (%)	20.9	22.8			
Trial No 2 / Tare No	538	524			
Wet Soil + Tare Mass (g)	50.23	48.54			
Dry Soil + Tare Mass (g)	48.08	46.54			
Tare Mass (g)	37.67	37.79			
Moisture Content (%)	20.7	22.9			
Materials Finer than No 200 Sieve (ASTM D 1140)					
Initial Dry Soil Mass (g)	105.91	75.73			
Dry Soil Mass after Washing (g)	4.66	8.82			
Test Status					
Liquid Limit	**71**	**75**			
Plastic Limit	**21**	**23**			
Plasticity Index	**50**	**52**			
Gravel Content (%)	0.0	0.0			
Sand Content (%)	4.4	11.6			
Fines (%)	95.6	88.4			
Group Symbol	CH	CH			
Group Name	CH	CH			
Test Result	**Pass**	**Pass**			
Remarks	Station number was the only information provided.				
Version	**MVNQS06-100903**				

Unified Soil Classification System - ASTM D 2487 (Method B)

US Army Corps of Engineers

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS to Orleans Village Levee			**Sample Date**	4/7/2011
Min Plasticity Index	10	**Max Fines (%) Retained**	35.0		
Lab Tested By	Greg Price, Calvin Hu	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	T-33	T-34	T-35	T-36	C-05
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit
Feature	Berm	Berm	Berm	Berm	Berm
Visual Description	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)
Station	6+03	96+10	100+98	106+00	12+00
Offset	CL	CL	CL	CL	
Lift No	3	8	8	8	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	7.5	12.0	12.2	12.0	
Estimated Retained No 40 (%)	0.0	0.0	0.0	0.0	0.0
Sample Air Dried	No	No	No	No	No
Liquid Limit (ASTM D 4318 Method B)					
Trial No 1 / Blow Count	22	29	22	28	22
Tare No	516	735	717	537	529
Wet Soil + Tare Mass (g)	49.73	48.99	49.66	48.80	50.96
Dry Soil + Tare Mass (g)	44.00	43.31	44.01	43.41	44.82
Tare Mass (g)	37.70	37.51	37.91	37.66	36.92
Moisture Content (%)	89.6	99.7	91.2	95.0	76.5
Trial No 2 / Blow Count	23	28	23	29	22
Tare No	910	742	724	509	702
Wet Soil + Tare Mass (g)	50.23	47.01	49.59	48.63	51.57
Dry Soil + Tare Mass (g)	44.74	42.14	43.82	43.28	45.44
Tare Mass (g)	38.71	37.20	37.61	37.58	37.57
Moisture Content (%)	90.1	99.9	92.0	95.6	76.7
Plastic Limit (ASTM D 4318)					
Trial No 1 / Tare No	515	541	745.00	111	735
Wet Soil + Tare Mass (g)	48.74	48.25	47.98	48.48	49.76
Dry Soil + Tare Mass (g)	46.53	46.01	45.87	46.39	47.51
Tare Mass (g)	37.58	37.91	37.77	38.25	37.51
Moisture Content (%)	24.7	27.7	26.0	25.7	22.5
Trial No 2 / Tare No	700	522	736	109	742
Wet Soil + Tare Mass (g)	48.67	47.87	48.52	48.56	48.16
Dry Soil + Tare Mass (g)	46.52	45.69	46.18	46.45	46.12
Tare Mass (g)	37.87	37.77	37.22	38.31	37.19
Moisture Content (%)	24.9	27.5	26.1	25.9	22.8
Materials Finer than No 200 Sieve (ASTM D 1140)					
Initial Dry Soil Mass (g)	112.70	134.30	120.18	145.12	129.50
Dry Soil Mass after Washing (g)	4.65	8.99	8.51	13.15	6.61
Test Status					
Liquid Limit	**90**	**100**	**92**	**95**	**77**
Plastic Limit	**25**	**28**	**26**	**26**	**23**
Plasticity Index	**65**	**72**	**66**	**69**	**54**
Gravel Content (%)	0.0	0.0	0.0	0.0	0.0
Sand Content (%)	4.1	6.2	7.1	9.1	3.9
Fines (%)	95.9	93.8	92.9	90.9	96.1
Group Symbol	CH	CH	CH	CH	CH
Group Name	CH	CH	CH	CH	CH
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Remarks	Coordinates for test locations are as follows: (T-33) N. 507044.2 E. 3654558.6, (T-34) N. 503144.8 E. 3659939.2, (T-35) N. 502675.7 E. 3659814.5, (T-36) N. 502190.8 E. 3659695.4				
Version	**MVNQS06-100903**				

Unified Soil Classification System - ASTM D 2487 (Method B)

US Army Corps of Engineers

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS to Orleans Village Levee			**Sample Date**	4/7/2011
Min Plasticity Index	10	**Max Fines (%) Retained**	35.0		
Lab Tested By	Greg Price, Calvin Hu	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	C-06				
Retest of Test ID					
Material Source	Borrow Pit				
Feature	Berm				
Visual Description	Dark Gray Clay (CH)				
Station	145+00				
Offset					
Lift No					
Latitude (°N)					
Longitude (°W)					
Elevation (ft)					
Estimated Retained No 40 (%)	0.0				
Sample Air Dried	No				
Liquid Limit (ASTM D 4318 Method B)					
Trial No 1 / Blow Count	27				
Tare No	910				
Wet Soil + Tare Mass (g)	51.98				
Dry Soil + Tare Mass (g)	45.49				
Tare Mass (g)	38.70				
Moisture Content (%)	96.5				
Trial No 2 / Blow Count	27				
Tare No	541				
Wet Soil + Tare Mass (g)	50.18				
Dry Soil + Tare Mass (g)	44.18				
Tare Mass (g)	37.88				
Moisture Content (%)	96.1				
Plastic Limit (ASTM D 4318)					
Trial No 1 / Tare No	527				
Wet Soil + Tare Mass (g)	48.72				
Dry Soil + Tare Mass (g)	46.42				
Tare Mass (g)	37.76				
Moisture Content (%)	26.6				
Trial No 2 / Tare No	106				
Wet Soil + Tare Mass (g)	48.27				
Dry Soil + Tare Mass (g)	46.00				
Tare Mass (g)	37.64				
Moisture Content (%)	27.2				
Materials Finer than No 200 Sieve (ASTM D 1140)					
Initial Dry Soil Mass (g)	122.90				
Dry Soil Mass after Washing (g)	4.83				
Test Status					
Liquid Limit	**96**				
Plastic Limit	**27**				
Plasticity Index	**69**				
Gravel Content (%)	0.0				
Sand Content (%)	5.1				
Fines (%)	94.9				
Group Symbol	CH				
Group Name	CH				
Test Result	**Pass**				
Remarks	No coordinates, offset, lift number or elevation provided				
Version	**MVNQS06-100903**				

Unified Soil Classification System - ASTM D 2487 (Method B)

US Army Corps of Engineers

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	5972
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS Levee			**Sample Date**	8/23/2011
Min Plasticity Index	10	**Max Fines (%) Retained**	35.0		
Lab Tested By	Greg Price, Jami Harpole	**Reviewed By**	Bill Singleton	**Submitted By**	Dustin Wyble
Test No	T-65	T-66	C-07	C-08	
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	
Feature	Berm	Berm	Berm	Berm	
Visual Description	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	
Station	163+51	168+42	163+51	168+42	
Offset	112' PS	127' PS	112' PS	127' PS	
Lift No	5	5	5	5	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	5.7	5.5	5.7	5.5	
Estimated Retained No 40 (%)	0.0	0.0	0.0	0.0	
Sample Air Dried	No	No	No	No	
Liquid Limit (ASTM D 4318 Method B)					
Trial No 1 / Blow Count	20	23	20	21	
Tare No	747	703	910	715	
Wet Soil + Tare Mass (g)	46.79	48.15	47.97	49.57	
Dry Soil + Tare Mass (g)	43.48	44.49	44.48	45.20	
Tare Mass (g)	37.98	37.77	38.69	37.66	
Moisture Content (%)	58.6	53.9	58.7	56.7	
Trial No 2 / Blow Count	20	23	20	20	
Tare No	512	337	509	906	
Wet Soil + Tare Mass (g)	46.48	49.17	48.82	50.52	
Dry Soil + Tare Mass (g)	43.25	45.11	44.57	46.09	
Tare Mass (g)	37.84	37.67	37.58	38.44	
Moisture Content (%)	58.1	54.0	59.2	56.4	
Plastic Limit (ASTM D 4318)					
Trial No 1 / Tare No	46	Z3	709	708	
Wet Soil + Tare Mass (g)	65.92	60.19	48.22	49.64	
Dry Soil + Tare Mass (g)	64.24	58.68	46.69	48.00	
Tare Mass (g)	53.41	49.27	37.79	37.92	
Moisture Content (%)	15.5	16.0	17.2	16.3	
Trial No 2 / Tare No	1B	807	725	564	
Wet Soil + Tare Mass (g)	53.18	55.14	48.74	48.10	
Dry Soil + Tare Mass (g)	51.74	53.65	47.10	46.68	
Tare Mass (g)	42.75	44.74	37.70	37.76	
Moisture Content (%)	16.0	16.7	17.4	15.9	
Materials Finer than No 200 Sieve (ASTM D 1140)					
Initial Dry Sample Mass (g)	102.62	103.06	101.15	102.97	
Dry Mass after Washing (g)	2.57	2.92	2.51	2.87	
Test Status					
Liquid Limit	**58**	**54**	**59**	**57**	
Plastic Limit	**16**	**16**	**17**	**16**	
Plasticity Index	**42**	**38**	**42**	**41**	
Gravel (%)	0.0	0.0	0.0	0.0	
Sand (%)	2.5	2.8	2.5	2.8	
Fines (%)	97.5	97.2	97.5	97.2	
Group Symbol	CH	CH	CH	CH	
Group Name	CH	CH	CH	CH	
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	
Remarks	Coordinates for test locations are as follows: (T-65) N500862.4 E3664305.6, (T-66) N500844.8 E3664796.3				
Version	**MVNQS06-110523**				

US Army Corps of Engineers

Moisture, Ash, and Organic Content Determination - ASTM D 2974 (Method C)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-3833
USACE Contract No	W912P8-09-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project				**Sample Date**	8/27/2010
Furnace Temperature (°F)	824	**Furnace Used**	MF-01	**Max Organic Matter (%)**	9.0
Lab Tested By	Greg Price	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	T-1	T-2	C-1	C-2	
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	
Feature	Berm	Berm	Berm	Berm	
Visual Description	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)	
Station	145+08	139+03	145+09	139+04	
Offset	21' FS	22' FS	21' FS	22' FS	
Lift No	1	1	1	1	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	5.0'	4.8'	5.0'	4.8'	
Tare No	200	KK	GG	201	
Dry Soil + Tare Mass (g)	89.18	82.52	94.26	96.29	
Tare Mass (g)	59.16	52.51	64.26	66.29	
Dry Soil Mass (g)	30.02	30.01	30.00	30.00	
Ashed Soil + Tare Mass (g)	88.14	81.53	93.24	95.19	
Ashed Soil Mass (g)	28.98	29.02	28.98	28.90	
Ash Content (%)	**96.5**	**96.7**	**96.6**	**96.3**	
Organic Matter (%)	**3.5**	**3.3**	**3.4**	**3.7**	
Moisture Content (%)	28.1	29.3	27.8	28.5	
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	
Remarks	T-1/C-1 coordinates (N.500851.9/E.3662457.5) T-2/C-2 coordinates (N.500893.4/E.3661854.2)				
Version	**MVNQS07-100802**				

US Army Corps of Engineers

Moisture, Ash, and Organic Content Determination - ASTM D 2974 (Method C)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-4075
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego Pump Station to Orleans Village Levee			**Sample Date**	9/29/2010
Furnace Temperature (°F)	824	**Furnace Used**	MF-01	**Max Organic Matter (%)**	9.0
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	C-3	C-4			
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit			
Feature	Berm	Berm			
Visual Description	Brown and Gray Clay (CH)	Brown and Gray Clay (CH)			
Station	99+25	99+25			
Offset					
Lift No					
Latitude (°N)					
Longitude (°W)					
Elevation (ft)					
Tare No	200	203			
Dry Soil + Tare Mass (g)	89.71	96.96			
Tare Mass (g)	59.17	64.69			
Dry Soil Mass (g)	30.54	32.27			
Ashed Soil + Tare Mass (g)	88.16	94.99			
Ashed Soil Mass (g)	28.99	30.30			
Ash Content (%)	**94.9**	**93.9**			
Organic Matter (%)	**5.1**	**6.1**			
Moisture Content (%)	21.4	54.1			
Test Result	**Pass**	**Pass**			
Remarks	Station number was only information provided.				
Version	**MVNQS07-100802**				

US Army Corps of Engineers

Moisture, Ash, and Organic Content Determination - ASTM D 2974 (Method C)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS to Orleans Village Levee			**Sample Date**	4/7/2011
Furnace Temperature (°F)	824	**Furnace Used**	MF-01	**Max Organic Matter (%)**	9.0
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	T-33	T-34	T-35	T-36	C-05
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit
Feature	Berm	Berm	Berm	Berm	Berm
Visual Description	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)	Dark Gray Clay (CH)
Station	6+03	96+10	100+98	106+00	12+00
Offset	CL	CL	CL	CL	
Lift No	3	8	8	8	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	7.5	12.0	12.2	12.0	
Tare No	206	PP	202	BB	MM
Dry Soil + Tare Mass (g)	96.73	95.48	84.46	83.00	85.60
Tare Mass (g)	66.05	64.31	53.80	51.57	54.35
Dry Soil Mass (g)	30.68	31.17	30.66	31.43	31.25
Ashed Soil + Tare Mass (g)	94.60	92.98	82.24	80.61	84.15
Ashed Soil Mass (g)	28.55	28.67	28.44	29.04	29.80
Ash Content (%)	**93.1**	**92.0**	**92.8**	**92.4**	**95.4**
Organic Matter (%)	**6.9**	**8.0**	**7.2**	**7.6**	**4.6**
Moisture Content (%)	27.1	34.8	30.4	32.1	27.0
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**
Remarks	Coordinates for test locations are as follows: (T-33) N. 507044.2 E. 3654558.6, (T-34) N. 503144.8 E. 3659939.2, (T-35) N. 502675.7 E. 3659814.5, (T-36) N. 502190.8 E. 3659695.4				
Version	**MVNQS07-100802**				

US Army Corps of Engineers

Moisture, Ash, and Organic Content Determination - ASTM D 2974 (Method C)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	10-81-3667-5164
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS to Orleans Village Levee			**Sample Date**	4/7/2011
Furnace Temperature (°F)	824	**Furnace Used**	MF-01	**Max Organic Matter (%)**	9.0
Lab Tested By	Bill Singleton	**Reviewed By**	Eric Paille	**Submitted By**	Dustin Wyble
Test No	C-06				
Retest of Test ID					
Material Source	Borrow Pit				
Feature	Berm				
Visual Description	Dark Gray Clay (CH)				
Station	145+00				
Offset					
Lift No					
Latitude (°N)					
Longitude (°W)					
Elevation (ft)					
Tare No	RS				
Dry Soil + Tare Mass (g)	88.71				
Tare Mass (g)	58.01				
Dry Soil Mass (g)	30.70				
Ashed Soil + Tare Mass (g)	86.68				
Ashed Soil Mass (g)	28.67				
Ash Content (%)	**93.4**				
Organic Matter (%)	**6.6**				
Moisture Content (%)	36.0				
Test Result	**Pass**				
Remarks	Offset, coordinates, lift number, and elevations not provided				
Version	**MVNQS07-100802**				

US Army Corps of Engineers

Moisture, Ash, and Organic Content Determination - ASTM D 2974 (Method C)

Laboratory	Ardaman & Associates, Inc.	**Lab Type**	QA	**Report No**	5972
USACE Contract No	W912P8-09-D-0046-0008	**Contractor**	Phylway Construction	**Revision**	
Project	New Westwego PS Levee			**Sample Date**	8/23/2011
Furnace Temperature (°F)	824	**Furnace Used**	MF-01	**Max Organic Matter (%)**	9.0
Lab Tested By	Chae Hrenyk	**Reviewed By**	Bill Singleton	**Submitted By**	Dustin Wyble
Test No	T-65	T-66	C-07	C-08	
Retest of Test ID					
Material Source	Borrow Pit	Borrow Pit	Borrow Pit	Borrow Pit	
Feature	Berm	Berm	Berm	Berm	
Visual Description	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	Brown and Grey Clay (CH)	
Station	163+51	168+42	163+51	168+42	
Offset	112' PS	127' PS	112' PS	127' PS	
Lift No	5	5	5	5	
Latitude (°N)					
Longitude (°W)					
Elevation (ft)	5.7	5.5	5.7	5.5	
Tare No	I	B	D	I	
Dry Soil + Tare Mass (g)	73.52	82.06	80.55	83.51	
Tare Mass (g)	53.40	61.98	50.52	53.40	
Dry Soil Mass (g)	20.12	20.08	30.03	30.11	
Ashed Soil + Tare Mass (g)	72.60	81.33	79.17	82.51	
Ashed Soil Mass (g)	19.20	19.35	28.65	29.11	
Ash Content (%)	**95.4**	**96.4**	**95.4**	**96.7**	
Organic Matter (%)	**4.6**	**3.6**	**4.6**	**3.3**	
Moisture Content (%)	21.6	22.1	21.6	21.7	
Test Result	**Pass**	**Pass**	**Pass**	**Pass**	
Remarks	Coordinates for test locations are as follows: (T-65) N500862.4 E3664305.6, (T-66) N500844.8 E3664796.3				
Version	**MVNQS07-110523**				