AMENDMENT OF SOLIC	ITATION/MODII	TRACT	1. CONTRACT ID (	CODE	PAGE OF PAGES					
						1 2				
2. AMENDMENT/MODIFICATION W9127824B0002-0001		APRIL 2024	4. REQUISITION	ON/PURCHASE		CT NO. (If applicable) 22012				
6. ISSUED BY	CODE		7. ADMINISTI CODE	ERED BY(If other that	n item 6)					
					L					
Corps of Engineers 109 St. Joseph St. Mobile, AL 36602										
8. NAME AND ADDRESS OF CON		9A. AMENDMENT OF SOLICITATIO NO. W9127824B0002 9B. DATED (SEE ITEM 11) 22 MARCH 2024  10A. MODIFICATION OF CONTRACT/ORDER NO.								
		10B. DATED (SEE ITEM 13)								
CODE FACILITY CODE  11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS										
Material The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.										
12. ACCOUNTING AND APPROPR	ATION DATA		(if require	d)						
		ES ONLY TO MOD IE CONTRACT/O								
A. THIS CHANGE ORDER CONTRACT ORDER NO.	R IS ISSUED PURSU					14 ARE MADE IN THE				
B. THE ABOVE NUMBER appropriation date, etc.) S					NGES (such a	as changes in paying office,				
C. THIS SUPPLEMENTAL	AGREEMENT IS E	NTERED INTO PURSUA	ANT TO AUTHO	ORITY OF:						
D. OTHER	D. OTHER (Specify type of modification and authority)									
E. IMPORTANT: Contractor is not, is required to sign this document and return copies to the issuing office.										
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)  The subject solicitation for: MOBILE HARBOR, ALABAMA, DEEPENING AND WIDENING – PHASE 2B  MOBILE, ALABAMA  Is modified in the following: REFER TO THE ENCLOSED REVISED SPECIFICATIONS FOR AMENDMENT NO. 0001										
Except as provided herein, all terms and conditions of the document reference in item 9A or 10A, as Heretofore changed, remains unchanged and in full force and effect.										
15A. NAME AND TITLE OF SIGNE	print)	16A. NAI	NG OFFICE (Type or print)							
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNI BY	TED STATES OF AM	MERICA	16C. DATE SIGNED				
(Signature of person authorized to		(Sign	ature of contracting of	fficer)						

#### PART I - REVISIONS MADE BY ADDED AND/OR REPLACEMENT PARAGRAPHS/PAGES/SECTIONS

The items listed below are to be replaced by the corresponding added and/or revised paragraphs/pages or sections. Added and/or revised paragraphs/pages or sections are indicated by a note in bottom right hand corner of each paragraph or page. Added sections are hereby made a part of the contract and are to be inserted in the specification in the proper numerical/alphabetical sequence.

Within the specifications, deletions from the specifications are indicated by strikethrough, e.g.: deletions are marked with strikethrough and additions to the specifications including revisions/substitutions are indicated in bold, italic and underlined, e.q.: additions are indicated thus.

Corresponding Added or Revised Paragraph

SECTION Page, and/or Section

Appendix A Replaced in its entirety.

Encl as stated

Replaced pages of the specifications as indicated in Part I.

#### APPENDIX A

GEOTECHNICAL BORING LOGS AND LAB DATA

**Boring Designation** MHSPT-04-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-04-19 N 90965.907 E 1797776.632 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 18 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ☑ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING NCLINED 9/6/20 9/6/20 16. ELEVATION TOP OF BORING -33.84 6. THICKNESS OF OVERBURDEN >27 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 27' Jose Santiago, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS **ELEV** DEPTH **REMARKS** Samb RQD % REC (Description) 0 SILTY SAND (SM), dark gray, fine to medium grained, **USCS** -34.8 1.0 100 S1 10 few shells POORLY GRADED SAND (SP), light gray, fine to medium grained, few shells. 67 S2 15 100 S3 6 5 100 S4 4 100 S5 1 Dark gray, few wood. -42.3 8.5 100 S6 1 CLAYEY SAND (SC), dark gray, fine to medium grained. 100 S7 1 100 S8 1 100 S9 2 100 S10 3 -48.8 15 POORLY GRADED SAND (SP), gray, fine to medium 100 S11 2 grained, few silt, few wood. 100 S12 6 S13 100 11 20 100 S14 17 10 100 S15 17 10 100 S16 17 100 S17 7 25 20 8 S18 -60.5 - 26.7 <u>-60.8 ~ 27.0</u> SILTY SAND (SM), dark green, fine to medium grained. BOTTOM OF BOREHOLE AT 27.0 ft

MHSPT-05-19 **Boring Designation** DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-05-19 N 92371.489 E 1798639.299 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 16 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED **VERTICAL** 15. DATE BORING 9/7/20 9/7/20 16. ELEVATION TOP OF BORING -35.5' 6. THICKNESS OF OVERBURDEN >24' 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 24' Jose Santiago, Geologist N-Value EGEND. Blows/ 0.5 ft FIELD CLASSIFICATION OF MATERIALS FI FV DEPTH REMARKS Samb RQD % REC (Description) POORLY GRADED SAND (SP), pale gray and dark 0 **USCS** 40 S1 0 brown, fine to medium grained, few shells. 0 S-2 was divided into two jars (A 1.5-2.1 93 S2 3 Light gray. and B 2.1-3.0). -39.5 7 4.0 100 S3 SILTY SAND (SM), dark gray, fine to medium grained. 100 S4 21 -41.5 6.0 POORLY GRADED SAND (SP), light gray, fine to S5 2 100 medium grained. 100 S6 14 100 S7 5 -46.0 10.5 Some wood. 2 100 S8 SANDY CLAY (CL), dark gray. 100 S9 0 0 100 S10 1 0 15 0 100 S11 0 -52.0 16.5 0 CLAY (CH), dark gray, high plasticity. 100 S12 3 S13 100 0 1 20 100 S14 0 100 S15 4 100 S16 2 -59.5 BOTTOM OF BOREHOLE AT 24.0 ft Notes: 1. Soils visually field classified in accordance with the Unified Soil Classification System. 2. N-Value: Total blows over last 1.0 foot of 1.5-foot driven interval, unless otherwise indicated, using a 1 3/8-inch ID splitspoon with 140-pound hammer falling 30 inches. 3. The CME-750 drilling rig utilizes an automatic trip hammer 4. Undisturbed sampling with 3" by 30" Shelby tube, mechanically pushed with CME-750. 5. Component Percentages: Trace: 0 to 5%, Few: 5 to 10%, Little: 15 to 25%, Some 30 to 45%, With 50 to 100%. 6. MLLW was calculated from measuring barge deck to mud line, then subtracting barge deck to water and closest observation station tide reading.

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**Boring Designation** MHSPT-06-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-06-19 N 94149.489 E 1798828.672 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 18 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ☑ VERTICAL STARTED COMPLETED **VERTICAL** 15. DATE BORING 9/8/20 9/8/20 16. ELEVATION TOP OF BORING -32.5 6. THICKNESS OF OVERBURDEN >27.5 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 27.5' April Kelly, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS FI FV DEPTH **REMARKS** Samb RQD % REC (Description) 0 -32.7/\ 0.2 SILTY SAND (SM), grayish green to, fine grained, **USCS** 100 S1 7 saturated, few silt, trace shells. POORLY GRADED SAND (SP), light brown and dark gray, fine grained, trace silt. 87 S2 5 Light grayish brown. 73 S3 9 Fine to medium grained. 5 100 S4 2 5.6 -38.1 SILTY SAND (SM), dark gray, fine grained, little silt, trace wood, few mica. S6 4 87 Few silt 100 S7 4 -41.5 9.0 POORLY GRADED SAND (SP), light brown and dark 100 S8 1 gray, fine grained, trace silt, few mica. -43.0 10.5 SANDY CLAY (CL), dark gray, medium plasticity. 93 S9 0 0 0 100 S10 0 0 -46.4 13.9 CLAY (CH), dark grayish green, high plasticity, trace 100 S11 2 shells, trace fine sand. 15 0 100 S12 3 100 S13 3 Trace wood. S14 100 4 20 100 S15 3 100 S16 3 <u>-55.0</u> Little wood. SANDY CLAY (CL), dark gray, trace wood, few fine 100 S17 3 sand. 100 S18 5 25 Dark grayish green. 100 S19 7 -60.0 BOTTOM OF BOREHOLE AT 27.5 ft

**Boring Designation** MHSPT-07-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL Mobile Harbor Borings State Plane - Alabama West NAD83 MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL N 96149.494 E 1798543.851 MHSPT-07-19 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 13 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING 9/9/20 9/9/20 16. ELEVATION TOP OF BORING -39.47' 6. THICKNESS OF OVERBURDEN >20' 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 20' April Kelly, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS DEPTH **ELEV** Samb REMARKS ROD % REC (Description) 0 POORLY GRADED SAND (SP), gray, fine grained, 0 -40.2 0.7 **USCS** 67 S1 0 0 trace silt, trace shells. -41.0 1.5 0 SILTY SAND (SM), dark green, fine grained, little silt, 0 67 S3 0 0 trace shells. -42.5 3.0 0 SANDY SILT (ML), dark gray, medium plasticity, rapid dilatancy, some fine sand, trace shells. 100 S4 0 0 0 SILT (MH), high plasticity, trace fine sand. 0 5 S5 100 0 0 0 S6 100 0 0 0 0 100 S7 0 0 0 100 S8 0 0 0 7 S9 0 0 0 0 100 S10 0 0 Trace wood. 0 0 100 S11 0 0 0 15 -55.0 15.5 0 100 S12 2 SILTY SAND (SM), dark gray, fine grained, few silt, э -55.8 16.3 trace wood. SANDY PEAT (OL), dark gray and dark brown, some S15 0 53 fine sand, few wood. 0 0 100 S16 **-**58.8 **⊢** 19.3 2 CLAY (CH), dark grayish green, high plasticity, trace -59.5 20.0 20 wood, trace fine sand. BOTTOM OF BOREHOLE AT 20.0 ft Notes: 1. Soils visually field classified in accordance with the Unified Soil Classification System. 2. N-Value: Total blows over last 1.0 foot of 1.5-foot driven interval, unless otherwise indicated, using a 1 3/8-inch ID splitspoon with 140-pound hammer falling 30 inches. 3. The CME-750 drilling rig utilizes an automatic trip hammer. 4. Undisturbed sampling with 3" by 30" Shelby tube, mechanically pushed with CME-750. 5. Component Percentages: Trace: 0 to 5%, Few: 5 to 10%, Little: 15 to 25%, Some 30 to 45%, With 50 to 100%. 6. MLLW was calculated from measuring barge deck to mud line, then subtracting barge deck to water and closest observation station tide reading.

**Boring Designation** MHSPT-08-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-08-19 N 98053.888 E 1799368.166 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 16 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING 9/10/20 9/10/20 16. ELEVATION TOP OF BORING -35.63 6. THICKNESS OF OVERBURDEN >24' 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 24' April Kelly, Geologist N-Value LEGEND Blows/ 0.5 ft FIELD CLASSIFICATION OF MATERIALS **ELEV** DEPTH Samb REMARKS RQD % REC (Description) SILTY SAND (SM), dark gray, fine grained, little silt, **USCS** 100 S1 2 trace shells. 0 SAND, gray, fine grained, few silt. 100 S3 0 1 Organic odor. 100 S4 0 S5 73 1 Fine to medium grained. S6 100 3 53 S7 4 Trace shells, organic odor. 100 S8 4 10.5 -46.1 POORLY GRADED SAND (SP), gray, fine to medium 100 S9 5 grained, trace silt, organic odor. 100 S10 4 100 S11 4 15 100 S12 4 Trace wood. 100 S13 3 2 100 S14 20 100 S15 1 Light gray to tan. 100 S16 2 100 S17 1 -59.6 24.0 BOTTOM OF BOREHOLE AT 24.0 ft Notes: 1. Soils visually field classified in accordance with the Unified Soil Classification System. 2. N-Value: Total blows over last 1.0 foot of 1.5-foot driven interval, unless otherwise indicated, using a 1 3/8-inch ID splitspoon with 140-pound hammer falling 30 inches. 3. The CME-750 drilling rig utilizes an automatic trip hammer. 4. Undisturbed sampling with 3" by 30" Shelby tube, mechanically pushed with CME-750. 5. Component Percentages: Trace: 0 to 5%, Few: 5 to 10%, Little: 15 to 25%, Some 30 to 45%, With 50 to 100%. 6. MLLW was calculated from measuring barge deck to mud line, then subtracting barge deck to water and closest observation station tide reading.

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MHSPT-09-19 **Boring Designation** DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-09-19 N 100364.582 E 1798938.319 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 21 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ☑ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING 9/11/20 9/11/20 16. ELEVATION TOP OF BORING -27.98 6. THICKNESS OF OVERBURDEN >32' 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 32 April Kelly, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS **ELEV** DEPTH **REMARKS** Samb RQD % REC (Description) 0 0 SANDY SILT (ML), dark greenish gray, medium **USCS** 100 S1 0 plasticity, little fine sand, trace shells. 0 87 S2 0 0 0 Organic odor. 100 S3 0 0 0 5 S4 100 0 0 S5 80 0 0 Some fine sand. -35.5 7.5 SILTY SAND (SM), dark gray, fine grained, little silt, 100 S6 0 0 trace shells -37.0 9.0 SILTY SAND (SP-SM), dark gray, few silt, trace shells. 60 S7 1 73 S8 3 100 S9 3 53 S10 2 15 0 33 S11 0 -44.5 16.5 SANDY SILT (ML), dark blueish gray, medium plasticity, 100 S12 2 few fine sand, trace shells. -46.0 18.0 ELASTIC SILT (MH), high plasticity, trace wood, trace 33 S13 4 fine sand. 20 100 S14 3 100 S15 0 100 S16 2 100 S17 3 25 -54.2 26.2 80 S18 4 SANDY PEAT (OL), dark gray and dark brown, little fine sand, little wood. 20 S20 5 -56.5 28.5 ELASTIC SILT (MH), dark grayish green, high plasticity, 100 S21 4 trace wood, trace fine sand. 30 100 S22 5 -60.0 32.0 BOTTOM OF BOREHOLE AT 32.0 ft

MHSPT-10-19 **Boring Designation** DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-10-19 N 101921.727 E 1799799.836 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 11 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED **VERTICAL** 15. DATE BORING 9/12/20 9/12/20 16. ELEVATION TOP OF BORING -41.65 6. THICKNESS OF OVERBURDEN >16.5 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 16.5' April Kelly, Geologist N-Value LEGEND Blows/ 0.5 ft FIELD CLASSIFICATION OF MATERIALS FI FV DEPTH REMARKS Samb RQD % REC (Description) 0 0 SANDY SILT (ML), dark gray, low plasticity, little fine **USCS** 33 S1 0 0 sand, trace shells. 0 0 Trace fine sand, no shells. 87 S2 0 0 0 47 S3 0 0 0 0 5 S4 100 0 0 -47.7 6.0 0 SILTY SAND (SM), dark gray, fine grained, few silt, S5 0 0 47 -49.2 7.5 0 0 SANDY SILT (ML), dark gray, medium plasticity, few 100 S6 0 0 fine sand 0 100 S7 0 0 0 100 S8 0 0 Trace wood 0 Low plasticity, some fine sand. Dark gray and dark brown, few fine sand, few wood. 100 S9 3 100 S10 3 -56.715 n ELASTIC SILT (MH), dark grayish green, high plasticity, -57.7 16.0 100 S11 4 trace wood, trace fine sand. BOTTOM OF BOREHOLE AT 16.5 ft 1. Soils visually field classified in accordance with the Unified Soil Classification System. 2. N-Value: Total blows over last 1.0 foot of 1.5-foot driven interval, unless otherwise indicated, using a 1 3/8-inch ID splitspoon with 140-pound hammer falling 30 inches. 3. The CME-750 drilling rig utilizes an automatic trip hammer. 4. Undisturbed sampling with 3" by 30" Shelby tube, mechanically pushed with CME-750. 5. Component Percentages: Trace: 0 to 5%, Few: 5 to 10%, Little: 15 to 25%, Some 30 to 45%, With 50 to 100%. 6. MLLW was calculated from measuring barge deck to mud line, then subtracting barge deck to water and closest observation station tide reading.

**Boring Designation** MHSPT-11-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-11-19 N 104081.253 E 1799422.912 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 24 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ☑ VERTICAL STARTED COMPLETED **VERTICAL** 15. DATE BORING 9/19/20 9/19/20 16. ELEVATION TOP OF BORING -28.6 6. THICKNESS OF OVERBURDEN >34.5 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 34.5' Adam Tew, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS DEPTH **ELEV REMARKS** Samb RQD % REC (Description) 0 0 SANDY SILT (ML), dark gray, very soft, low plasticity, **USCS** 100 S1 0 few fine sand, trace shells. 0 100 S2 1 hole drilled using rotary spade bit and minimal fluid return throughout drilling 93 S3 0 0 5 100 S4 0 0 S5 0 0 47 100 S6 0 0 <u>-38.6</u> 10.0 100 S7 0 SILTY SAND (SM), light gray, fine grained, wet, very loose, some silt. 2 100 S8 80 S9 4 100 S10 3 15 SAND, light brownish gray, fine to medium grained, very 87 S11 1 loose. little silt. 0 -46.1 17.5 87 S12 CLAY (CH), greenish gray, high plasticity, no dilatancy. 0 0 17.5 93 l S13 20 47 S14 3 100 S15 3 100 S16 2 Grayish brown, trace wood. 80 S17 3 25 100 S18 3 -56.1 100 S19 4 SANDY CLAY (CL), grayish brown, wet, medium plasticity, some fine to medium sand. Few fine sand. 100 S20 3 30 100 S21 4 100 S22 3 100 S23 4

**FEB 08** 

**Boring Designation** MHSPT-12-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 2 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL Mobile Harbor Borings State Plane - Alabama West NAD83 MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-12-19 N 105901.235 E 1800496.571 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 27 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING 9/26/20 9/26/20 16. ELEVATION TOP OF BORING -20.26 6. THICKNESS OF OVERBURDEN >40.5 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 40.5' Michael Loveland, Geologist N-Value Blows/ 0.5 ft EGEN FIELD CLASSIFICATION OF MATERIALS **ELEV** DEPTH Samb REMARKS ROD % REC (Description) 0 0 CLAYEY ELASTIC SILT (MH), greenish gray, saturated, **USCS** 73 S1 0 high plasticity, no dilatancy, trace fine sand, trace shells. 0 60 S2 0 0 0 100 S3 0 0 0 5 100 S4 0 0 S5 100 0 0 100 S6 0 0 100 S7 0 0 0 100 S8 0 0 0 0 100 S9 0 0 0 100 S10 0 0 0 15 0 80 S11 0 0 Trace silty sand (SM) seams. S12 0 80 0 100 S13 0 0 0 20 53 S14 0 0 -41.3 21.0 SANDY SILT (ML), greenish gray, saturated, very soft, 40 S15 0 non plastic, trace shells. 0 0 20 S16 0 0 -44.3 24.0 0 SAND (SM), greenish gray, fine to medium grained, 47 S17 0 saturated, little silt, trace shells. 25 0 93 S18 1 Interbedded silt. 73 S19 0 0 -48.8 28.5 POORLY GRADED SAND (SP), gray, poorly graded, 0 S20 53 0 fine to medium grained, saturated, very loose, trace silt, <u>-50.3</u> 30.0 30 trace shells. CLAY (CH), green and gray, moist, very soft, high 0 100 S21 plasticity, trace sp nodules. -52.7 32.4 100 S22 1 CLAYEY ELASTIC SILT (MH), blueish green, moist, very soft to stiff, trace fine sand. 5 100 S23 35

Boring Designation MHSPT-12-19

					ווטם	ng i	<b>Jesignation</b> willow 1-12	<u> </u>		
DRILLING LOG (Cont Sheet)			INSTALLATION				ET	2		
		Mobile Harbor AL					2	SHEETS		
PROJECT		COORE	INATE	SYS	TEM : HORIZONTAL	VERTICAL				
Mobile Harbor Borings		Stat	e Pla	ine	NAD83	MLLW				
LOCAT	OCATION COORDINATES		ELEVAT	ELEVATION TOP OF BORING						
N 105901.235 E 1800496.571		-20.	26'							
ELEV	DEPTH	LEGEND	FIELD CLASSIFICATION OF MATERIALS (Description)	% REC	Samp No.	RQD %	REMARKS		Blows/	0.5 ft N-Value
<b>-</b> 55.8	35.5	Щ		73	S24				4	
	-	3 0	SILTY SAND (SM), green with yellowish brown, fine grained, wet, low plasticity, few clay.	100	S25				3	3
	<u>-</u>	light gra	Light gray, fine grained, saturated, few silt, With trac		S26				5	
-60.8 40.5	silt (ML) blue green seams.		S27				6			

#### BOTTOM OF BOREHOLE AT 40.5 ft

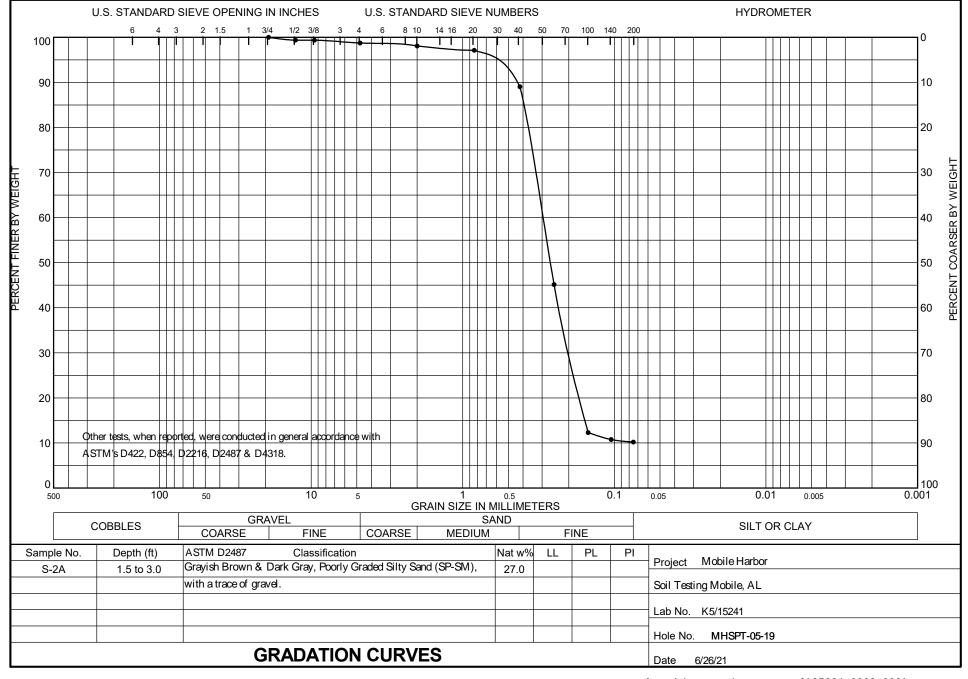
#### Notes:

- Soils visually field classified in accordance with the Unified Soil Classification System.
   N-Value: Total blows over last 1.0 foot of 1.5-foot
- 2. N-Value: Total blows over last 1.0 foot of 1.5-foot driven interval, unless otherwise indicated, using a 1 3/8-inch ID splitspoon with 140-pound hammer falling 30 inches.
- 3. The CME-750 drilling rig utilizes an automatic trip hammer.
- 4. Undisturbed sampling with 3" by 30" Shelby tube, mechanically pushed with CME-750.
- 5. Component Percentages: Trace: 0 to 5%, Few: 5 to 10%, Little: 15 to 25%, Some 30 to 45%, With 50 to 100%.
- 6. MLLW was calculated from measuring barge deck to mud line, then subtracting barge deck to water and closest observation station tide reading.

**Boring Designation** MHSPT-13-19 DIVISION INSTALLATION **DRILLING LOG** South Atlantic Division Mobile Harbor AL 1 SHEETS 1. PROJECT 9. COORDINATE SYSTEM HORIZONTAL VERTICAL NAD83 Mobile Harbor Borings State Plane - Alabama West MLLW 10. SIZE AND TYPE OF BIT 4" Fishtail Upward Discharge 2. HOLE NUMBER : LOCATION COORDINATES 11. MANUFACTURER'S DESIGNATION OF DRILL MHSPT-13-19 N 107831.342 E 1800095.395 CME-750 3. DRILLING AGENCY 12. TOTAL SAMPLES DISTURBED UNDISTURBED Corps of Engineers - CESAS 9 0 4. NAME OF DRILLER 13. TOTAL NUMBER CORE BOXES 0 Joe Bowerman 14. ELEVATION GROUND WATER See Remarks 5. DIRECTION OF BORING DEG FROM BEARING ✓ VERTICAL STARTED COMPLETED VERTICAL 15. DATE BORING NCLINED 9/20/20 9/20/20 16. ELEVATION TOP OF BORING -46.7 6. THICKNESS OF OVERBURDEN >34.5' 17. TOTAL CORE RECOVERY FOR BORING N/A 7. DEPTH DRILLED INTO ROCK 18. SIGNATURE AND TITLE OF INSPECTOR 8. TOTAL DEPTH OF BORING 34.5' Adam Tew, Geologist N-Value EGEN Blows/ 0.5 ft FIELD CLASSIFICATION OF MATERIALS **ELEV** DEPTH **REMARKS** Samb RQD % REC (Description) 0 0 SILT (ML), greenish brown, saturated, non plastic. **USCS** 40 S1 0 0 Dark gray. 73 S2 0 0 hole drilled using rotary spade bit and 0 0 minimal fluid return throughout drilling 73 S3 0 0 0 0 5 100 S4 0 0 Interbedded fine to medium sand. 0 0 100 S5 0 0 0 100 S6 0 0 0 Trace shell fragments, discontinue interbedded sand. 100 S7 0 0 0 Gray, very soft, medium plasticity, some fine sand. 100 S8 0 0 WOR to 11.0 ft. 12.0 -58.7 0 0 SILTY SAND (SM), light gray, fine grained, saturated, 27 S9 2 0 some silt. 13.5 -60.2 15 20 25 30

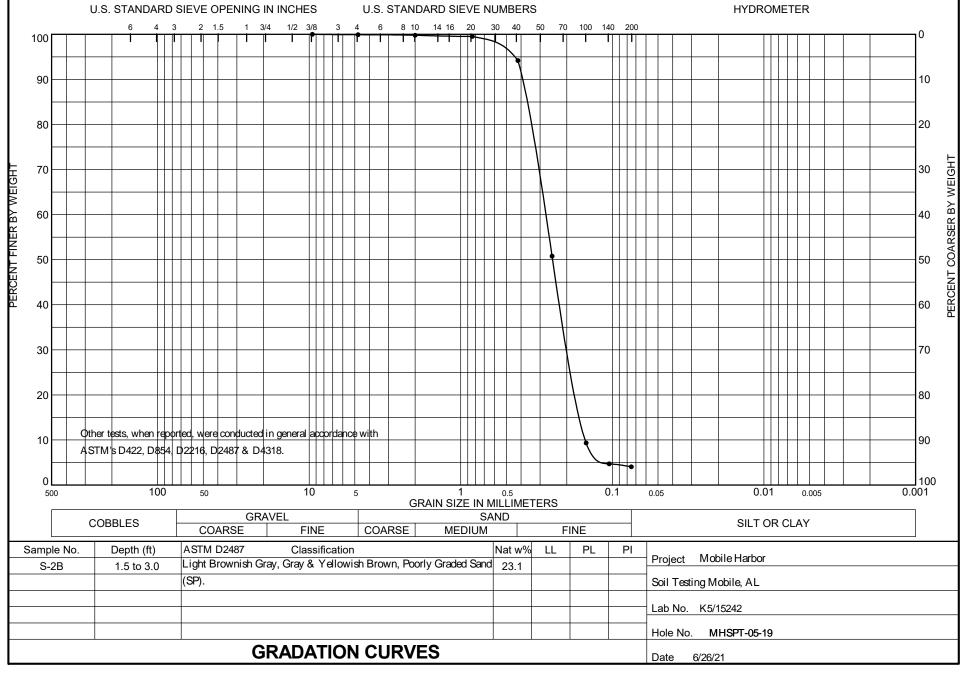


WORK ORDER: 1305e



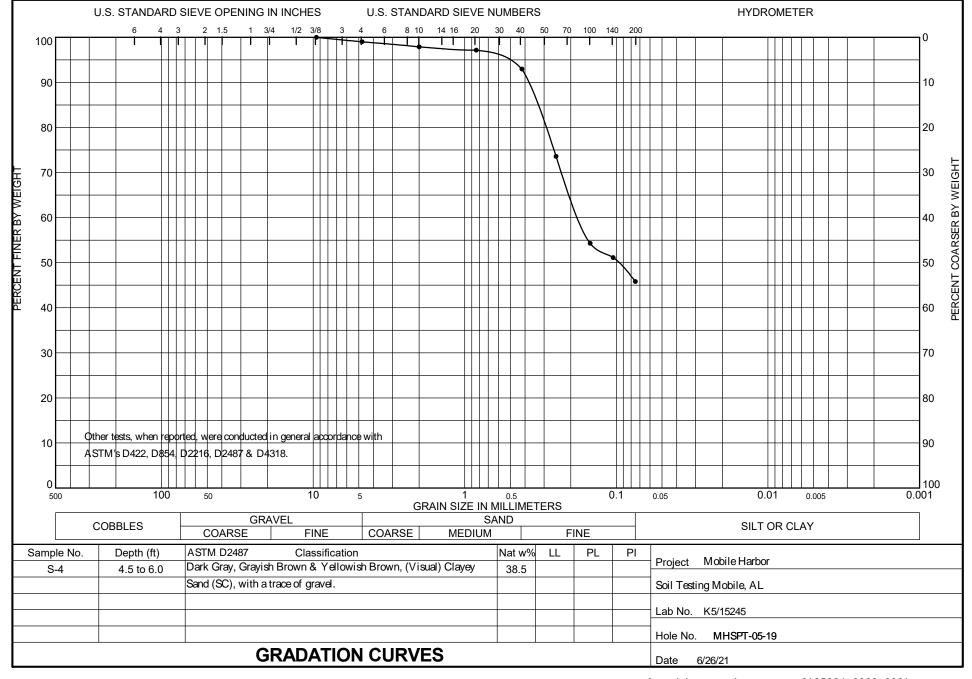


WORK ORDER: 1305e



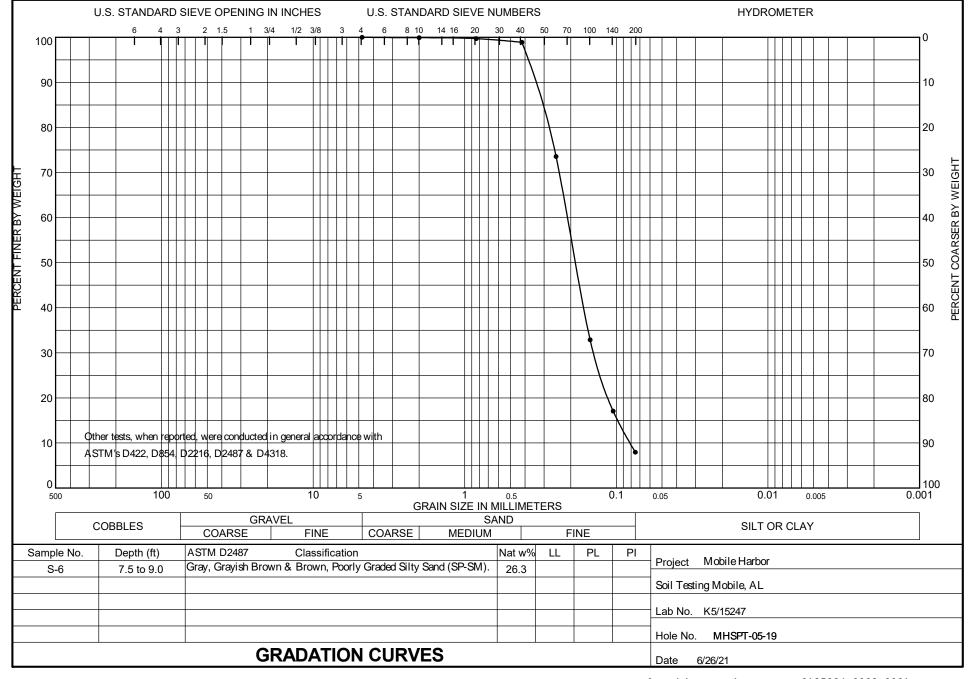


WORK ORDER: 1305e



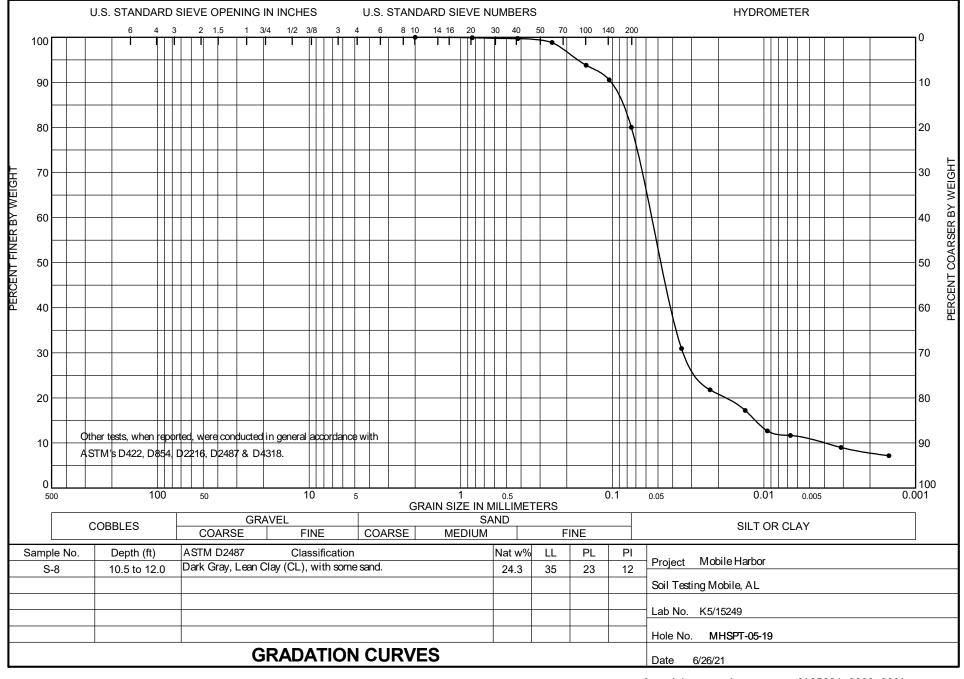


WORK ORDER: 1305e



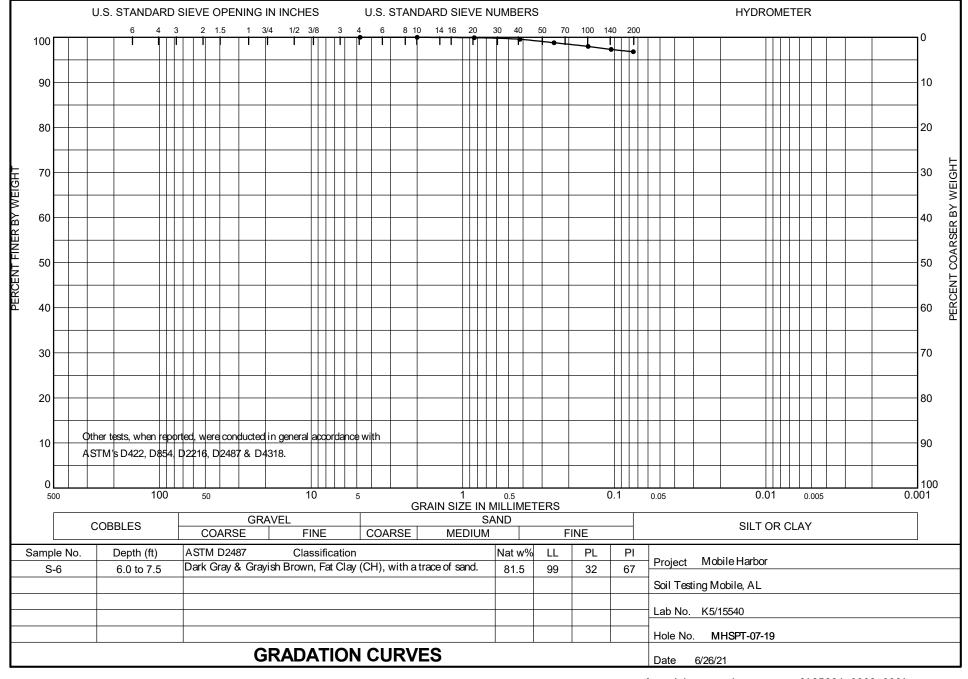


WORK ORDER: 1305e



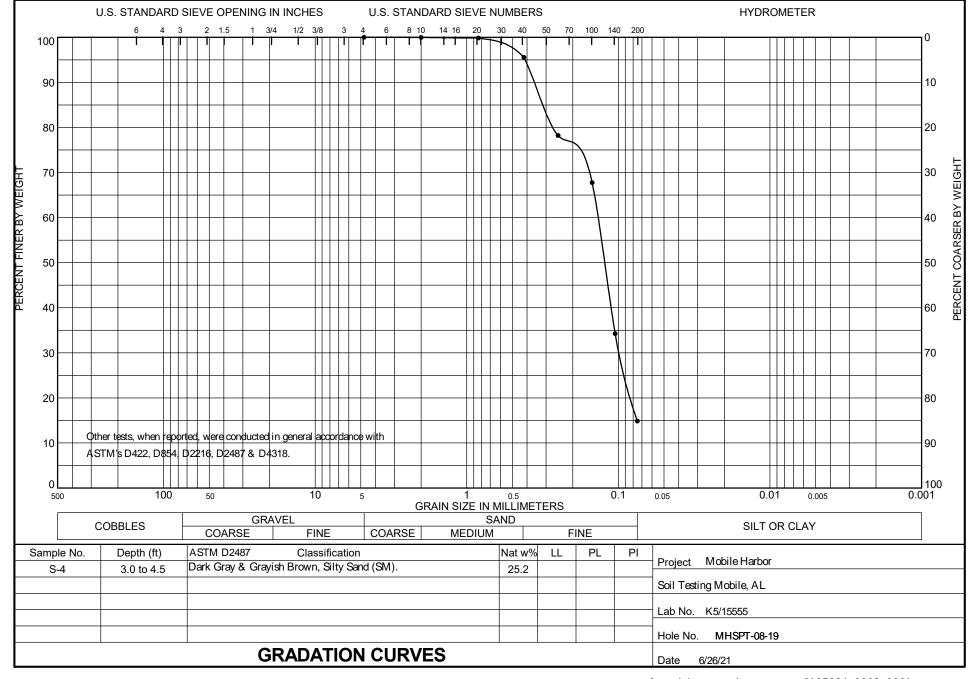


WORK ORDER: 1305e



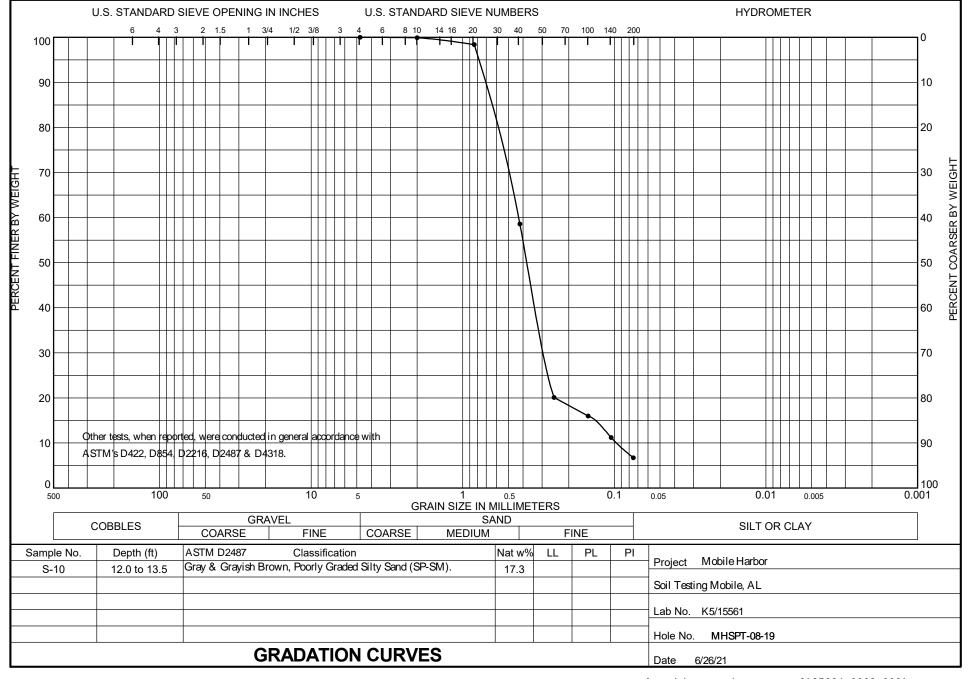


WORK ORDER: 1305e



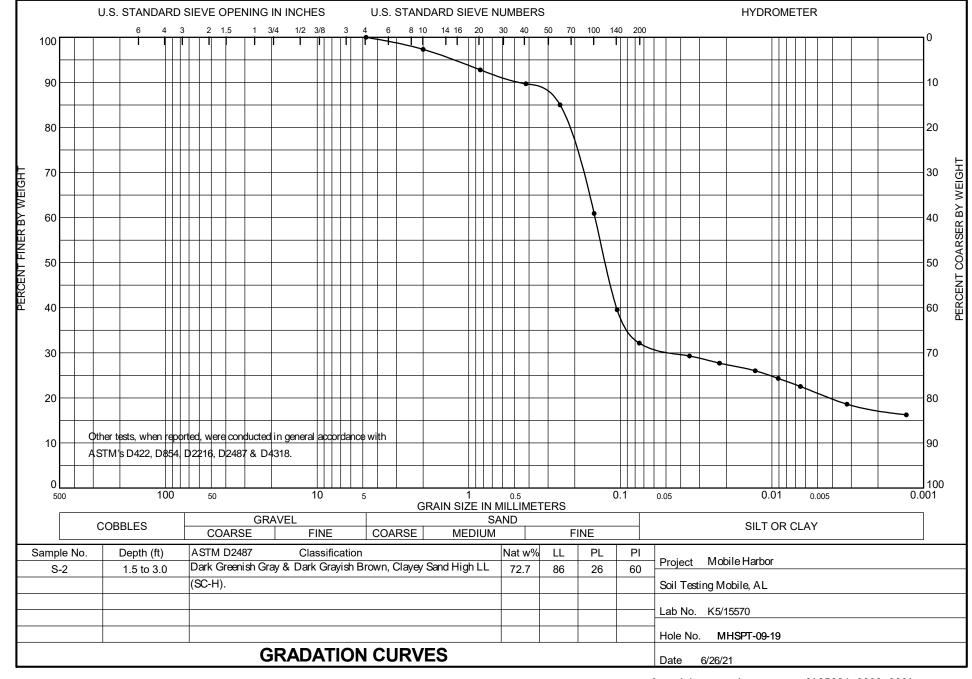


WORK ORDER: 1305e



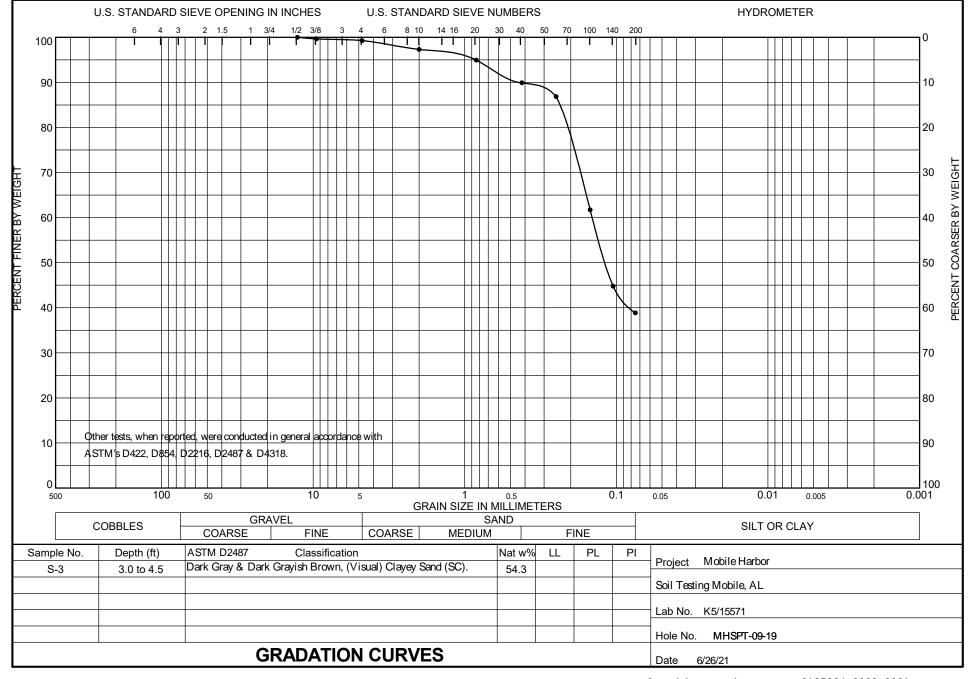


WORK ORDER: 1305e



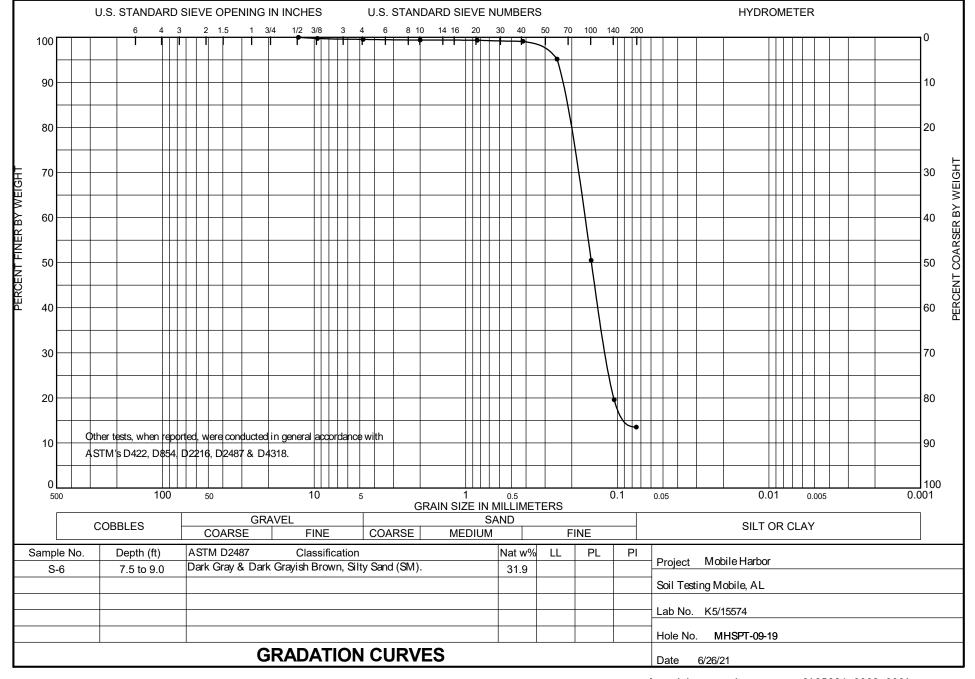


WORK ORDER: 1305e



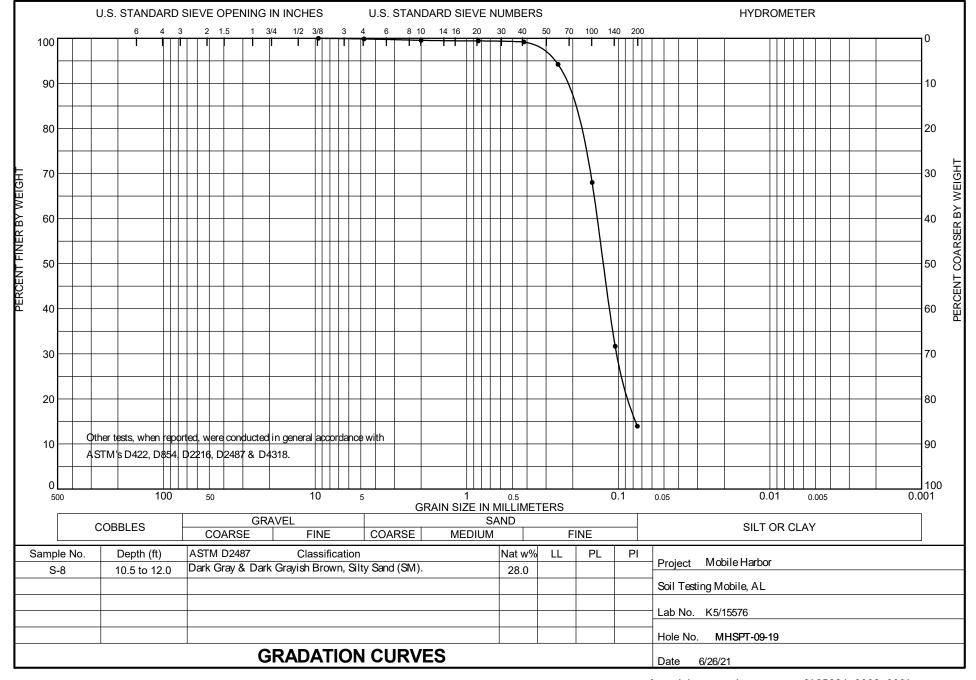


WORK ORDER: 1305e



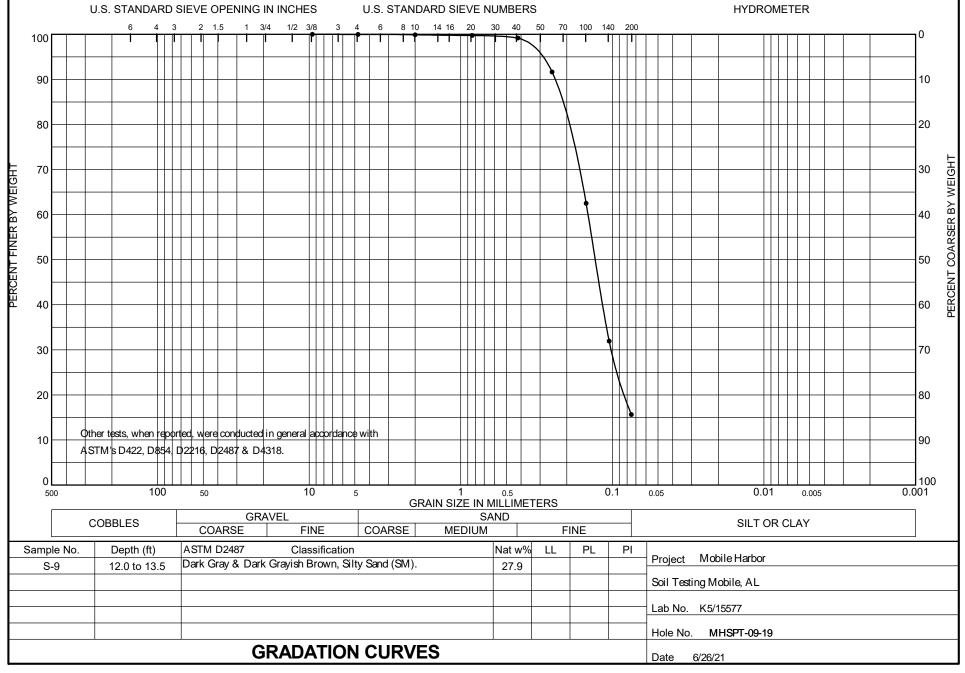


WORK ORDER: 1305e



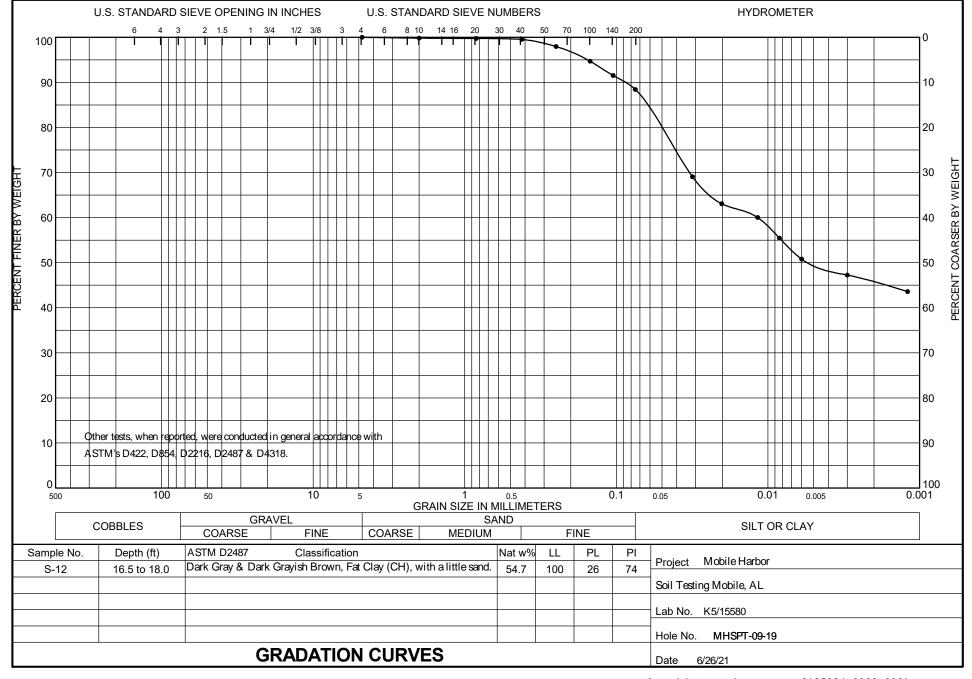


WORK ORDER: 1305e



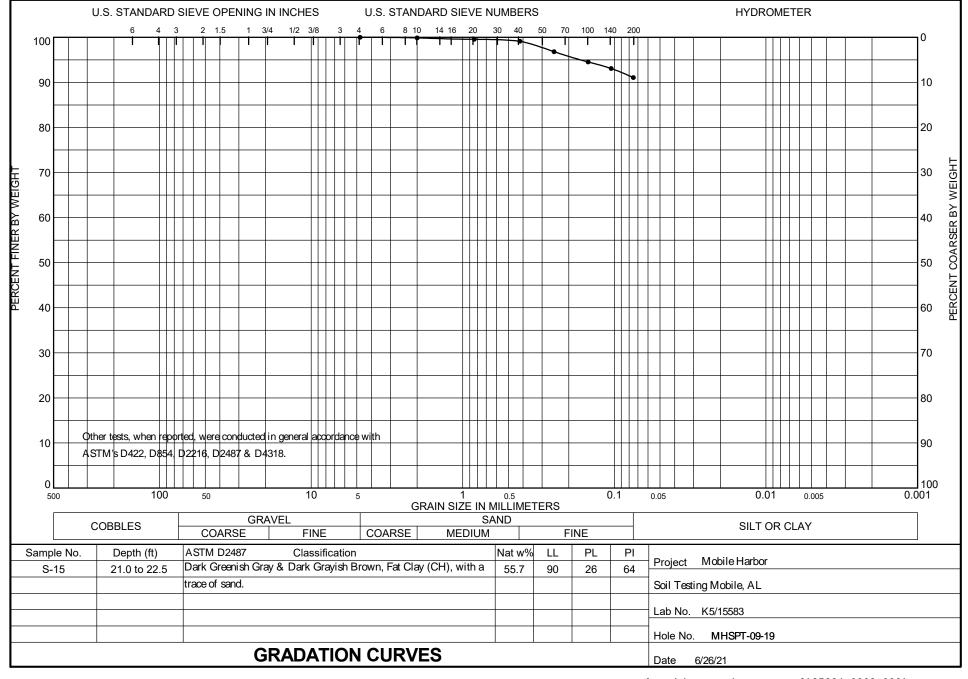


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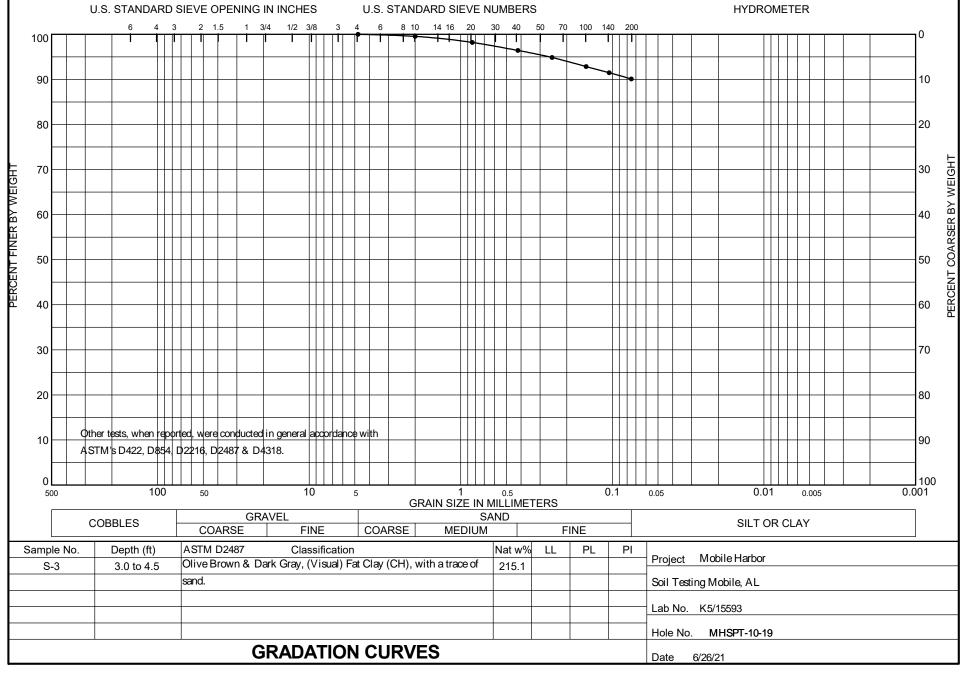


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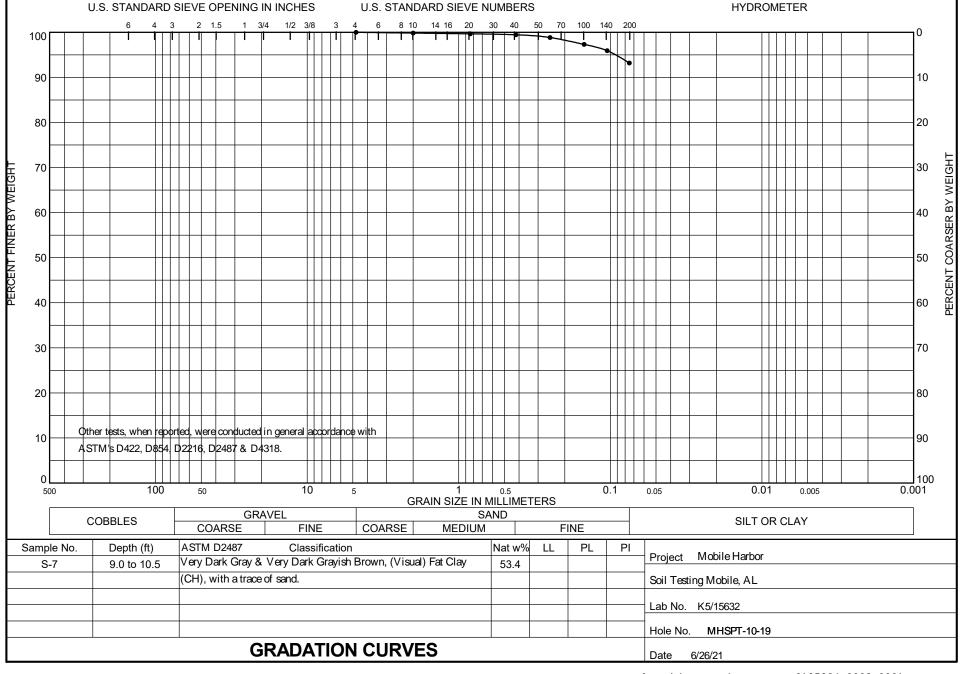


WORK ORDER: 1305e



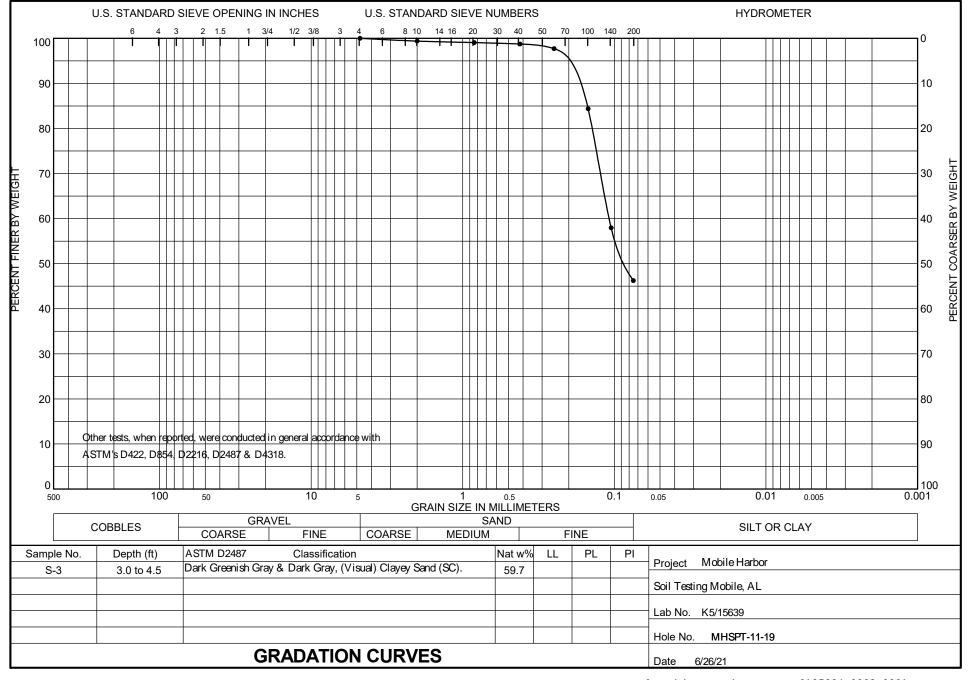


WORK ORDER: 1305e



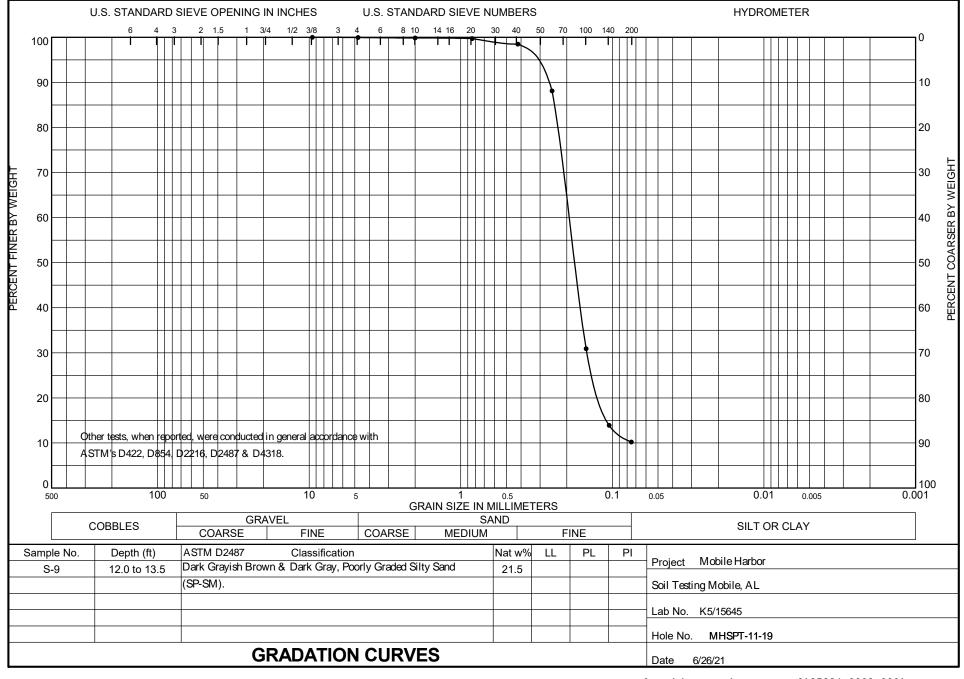


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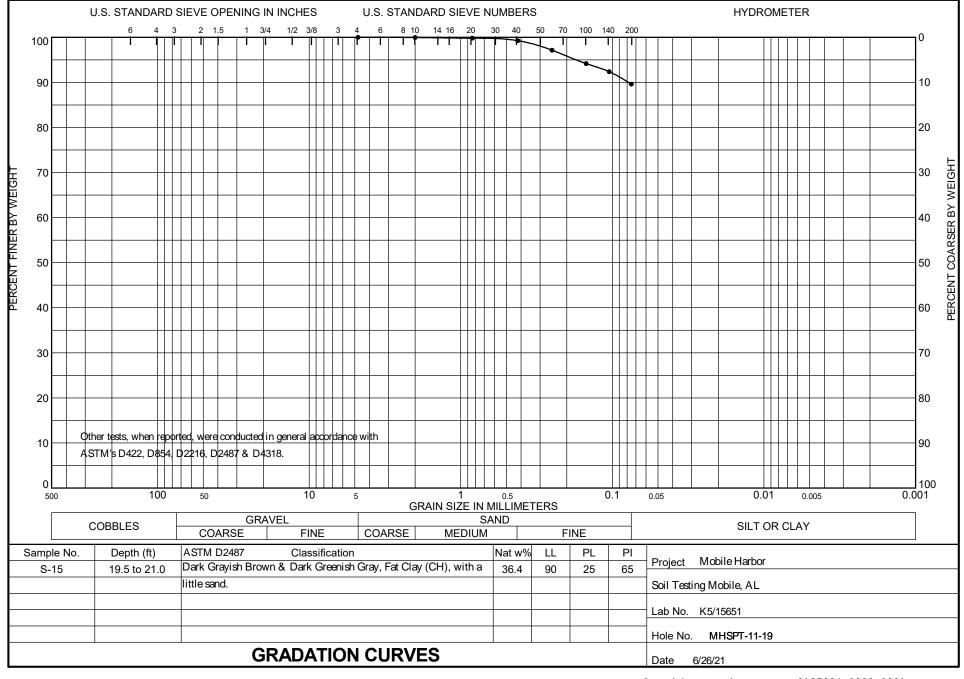


WORK ORDER: 1305e



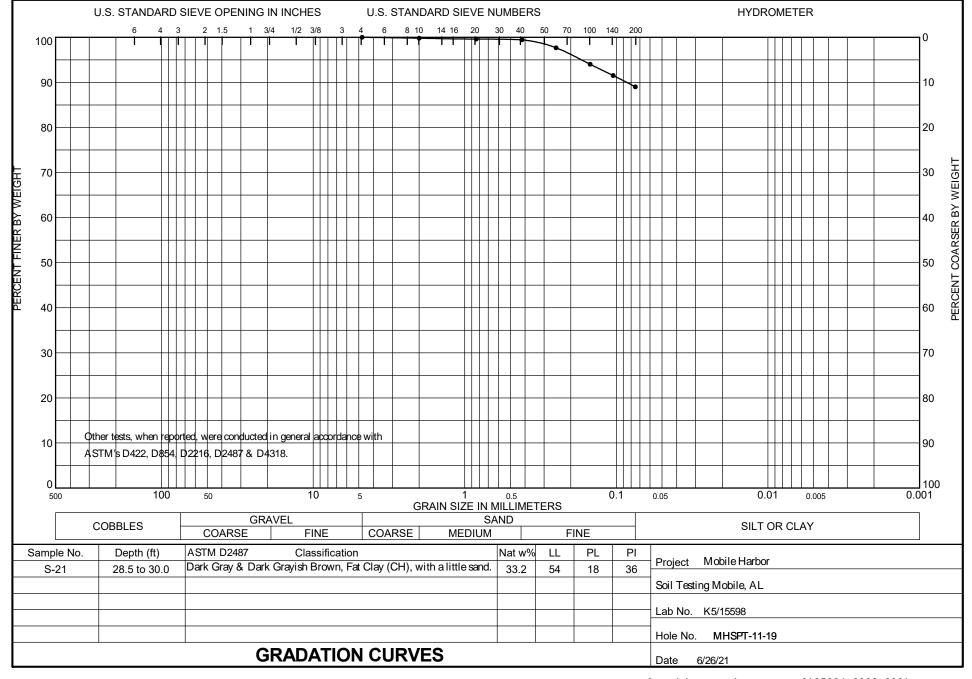


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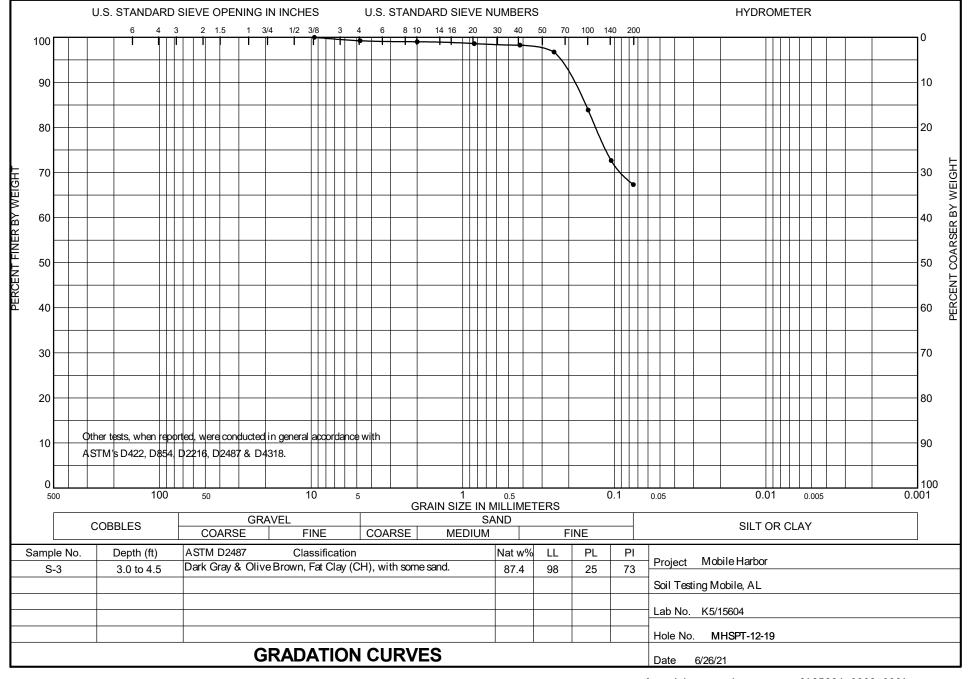


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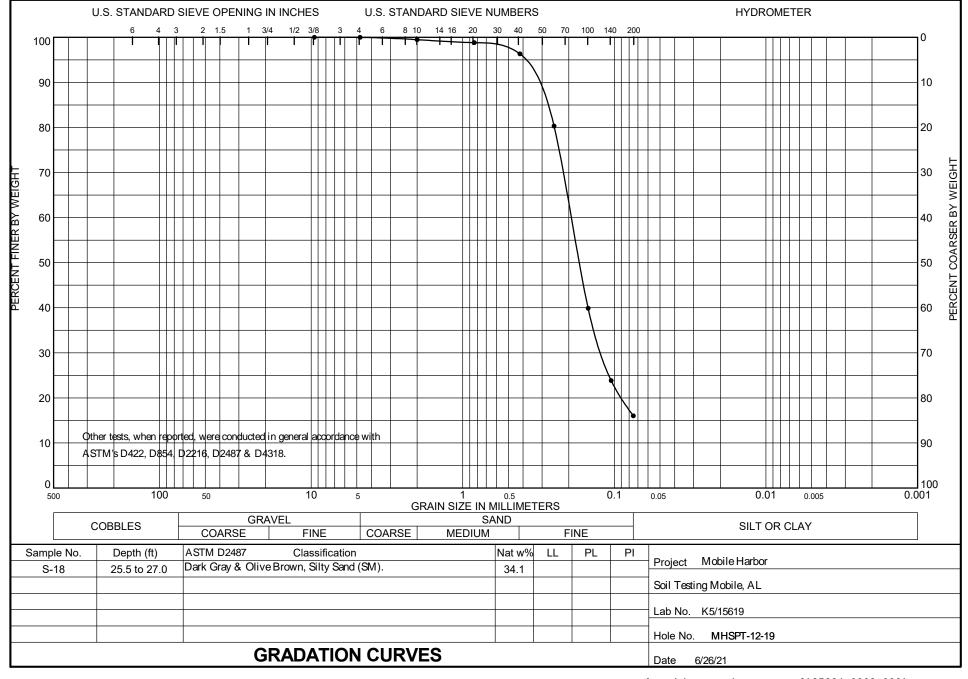


WORK ORDER: 1305e



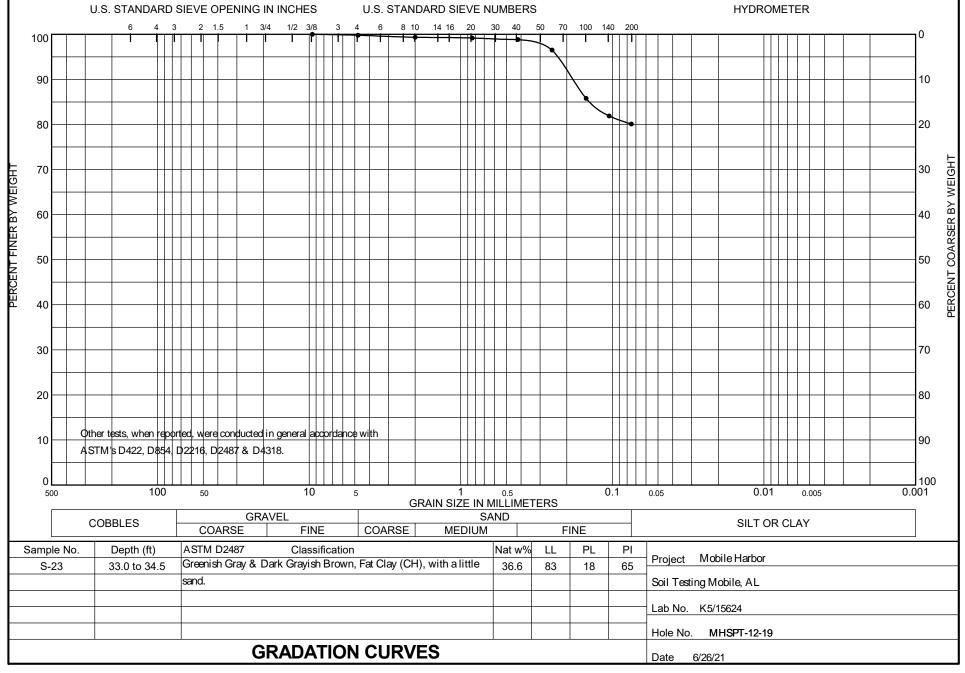


WORK ORDER: 1305e



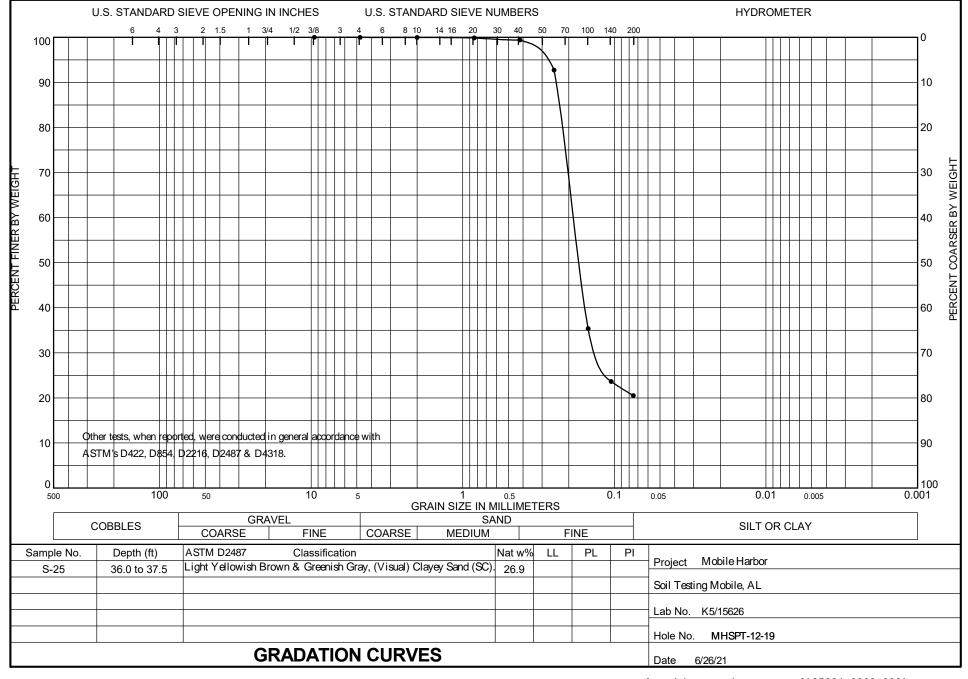


WORK ORDER: 1305e



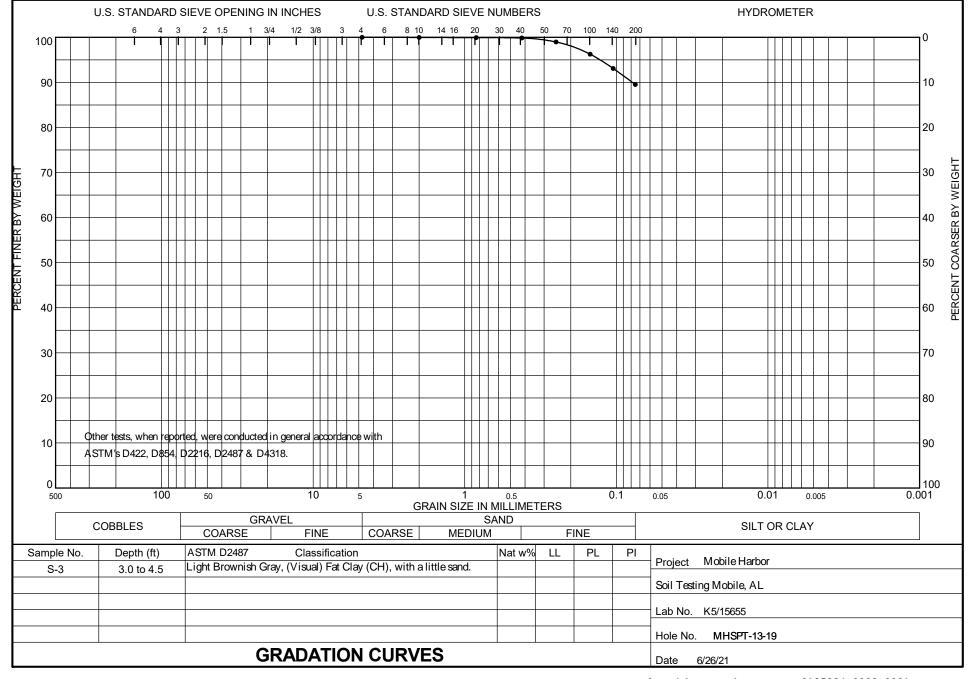


WORK ORDER: 1305e





WORK ORDER: 1305e



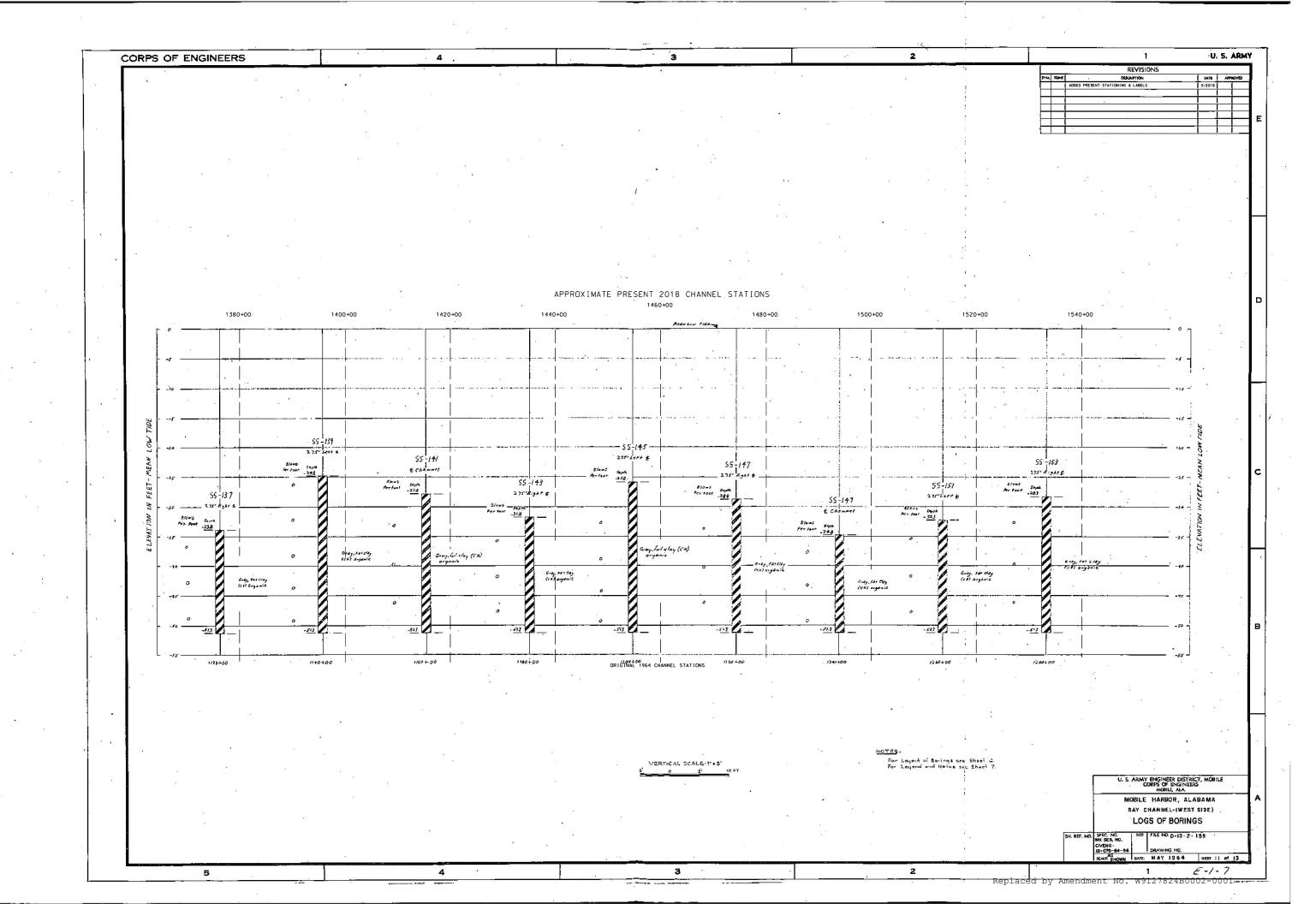
#### SUMMARY OF MATERIAL PROPERTIES

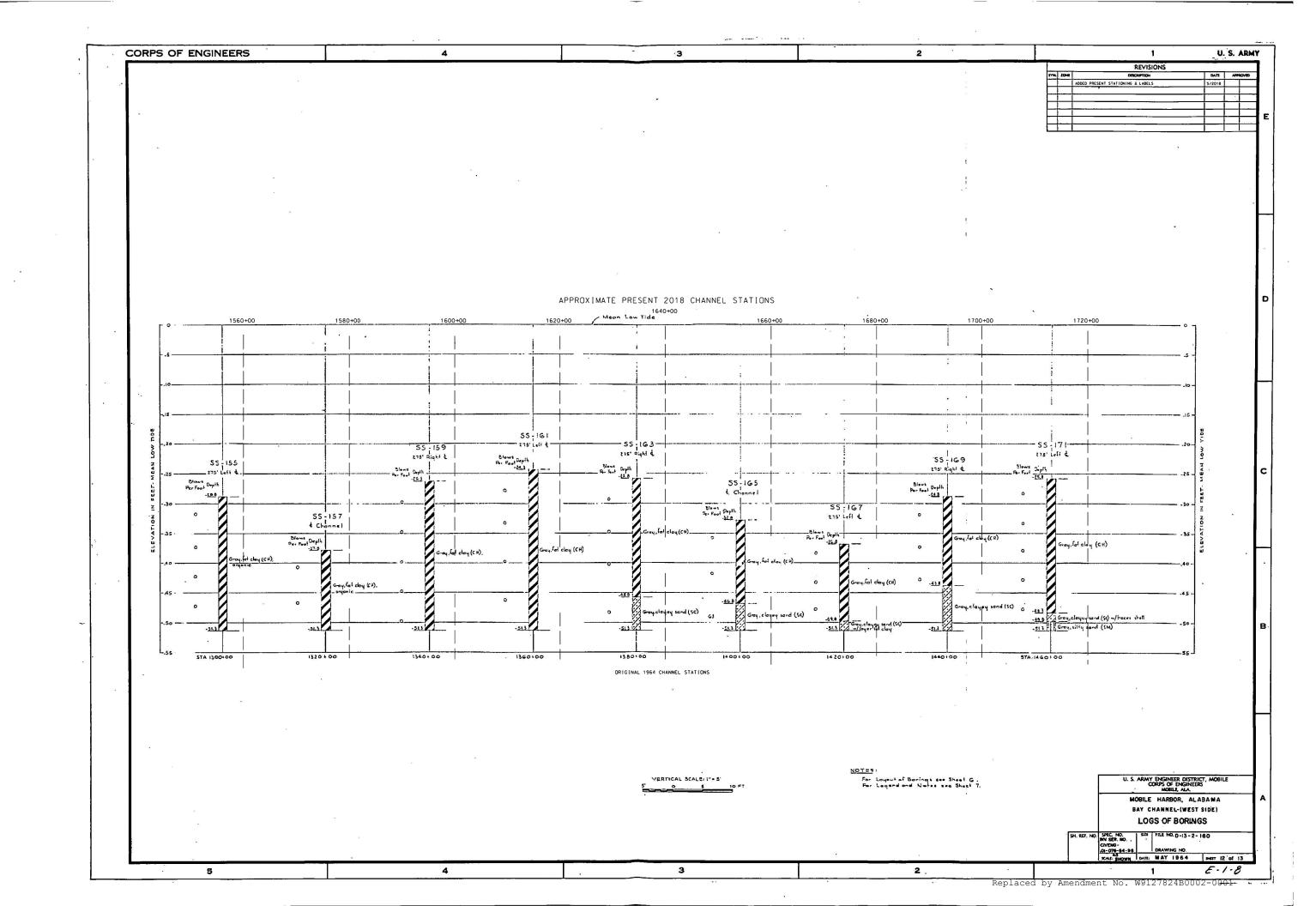
PROJECT: Mobile Harbor LOCATION: Mobile, AL

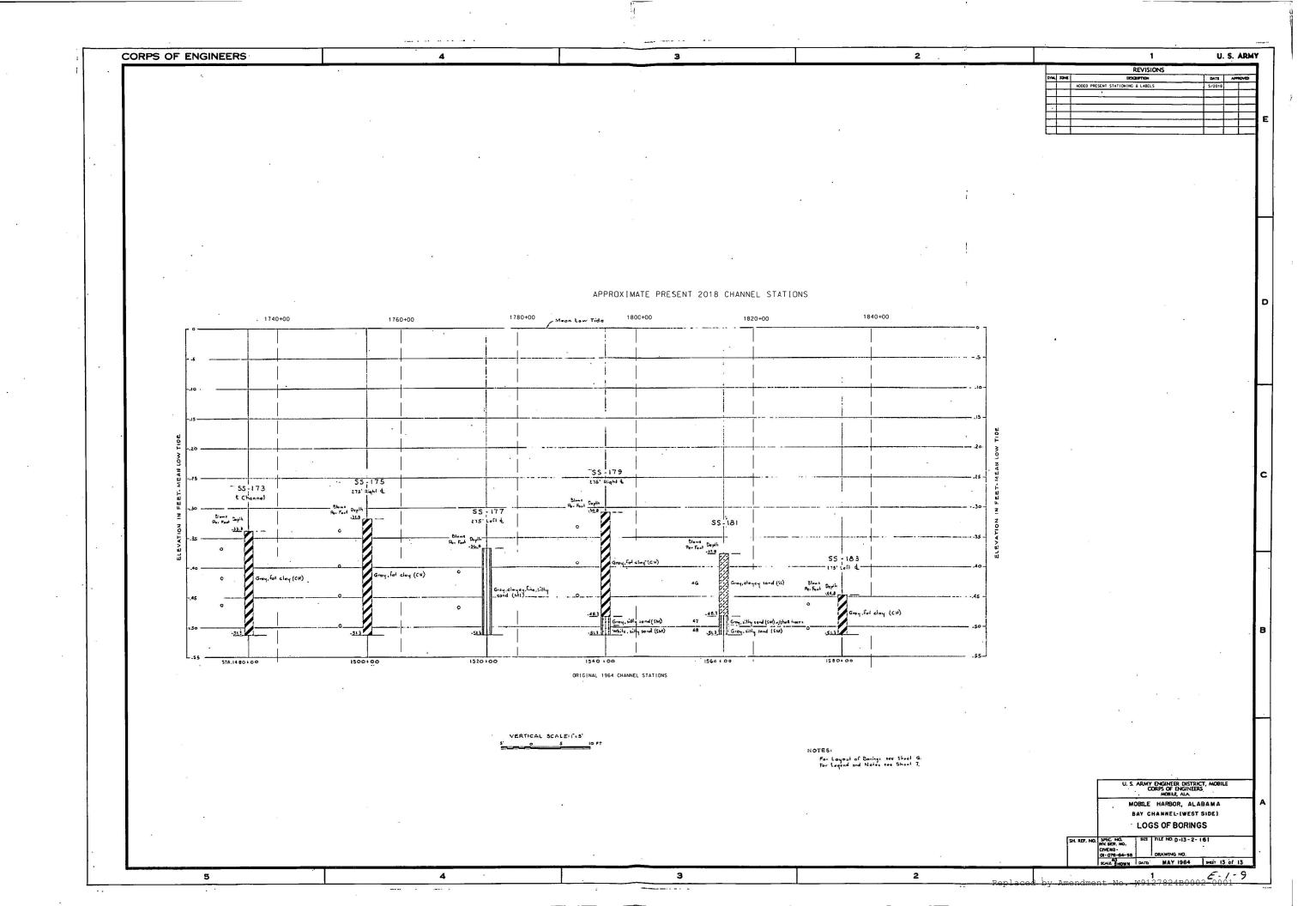
25-Jun-21 REQUISITION NO: W31XNJ10361923, 5BK9F1 WORK ORDER: 1305e

						Δ.	STM D422	& D1140 G	rain Size An	nalysis - Per	ront Passin	a		-								
LAB	Hole	Sample	Depth	3/4 in	1/2 in	3/8 in	No.4	No.10	No.20	No.40	No.60	No.100	No.140	No 200	D431	8 Atterberg	Limits	D2216	D854			D2487 Unified Soil
Number	Number	Number	(ft)	%	%	%	%	%	%	%	%	%	%	%	LL	PL	PI	MC%	SpG	Color	Class.	Classification System
																						Poorly Graded Silty Sand
K5/15241	MHSPT-05-19	S-2A	1.5 to 3.0	100	99.4	99.4	98.7	98.1	97.1	89	45.1	12.3	10.8	10.2				27.02		Grayish Brown & Dark Gray	SP-SM	(SP-SM), with a trace of
																				Light Brownish		gravel.
K5/15242	MHSPT-05-19	S-2B	1.5 to 3.0			100	99.9	99.8	99.5	94.2	50.8	9.3	4.7	4				23.08		Gray, Gray &	SP	Poorly Graded Sand (SP).
																				Yellowish Brown		
K5/15245	MHSPT-05-19	S-4	4.5 to 6.0			100	99	97.9	97.2	93	73.6	54.3	51.1	45.8				38.53		Dark Gray, Grayish Brown & Yellowish	SC	(Visual) Clayey Sand (SC), with a trace of
K3/13243	WITSFT-03-15	3-4	4.3 10 0.0			100	33	37.3	37.2	33	73.0	34.3	31.1	43.8				36.33		Brown	J.C	gravel.
K5/15247	MHSPT-05-19	S-6	7.5 to 9.0				100	99.9	99.7	98.9	73.6	32.9	17.1	7.9				26.3		Gray, Grayish	SP-SM	Poorly Graded Silty Sand
																				Brown & Brown		(SP-SM). Lean Clay (CL), with
K5/15249	MHSPT-05-19	S-8	10.5 to 12.0					100	99.9	99.7	98.9	93.8	90.6	80	35	23	12	24.27		Dark Gray	CL	some sand.
K5/15540	MHSPT-07-19	S-6	6.0 to 7.5				100	100	99.9	99.6	98.8	98	97.3	96.8	99	32	67	81.53		Dark Gray &	СН	Fat Clay (CH), with a
																				Grayish Brown Dark Gray &		trace of sand.
K5/15555	MHSPT-08-19	S-4	3.0 to 4.5				100	100	99.8	95.5	78.2	67.8	34.3	14.9				25.17		Grayish Brown	SM	Silty Sand (SM).
K5/15561	MHSPT-08-19	S-10	12.0 to 13.5				100	99.9	98.4	58.6	20.1	16	11.2	6.7				17.25		Gray & Grayish	SP-SM	Poorly Graded Silty Sand
																				Brown  Dark Greenish Gray		(SP-SM).
K5/15570	MHSPT-09-19	S-2	1.5 to 3.0				100	97.3	92.8	89.7	85	60.9	39.5	32.2	86	26	60	72.66		& Dark Grayish	SC-H	Clayey Sand High LL (SC- H).
																				Brown		
K5/15571	MHSPT-09-19	S-3	3.0 to 4.5		100	99.7	99.3	97.3	95	89.9	86.9	61.7	44.8	38.9				54.25		Dark Gray & Dark Grayish Brown	SC	(Visual) Clayey Sand (SC).
K5/15574	MHSPT-09-19	S-6	7.5 to 9.0		100	99.7	99.5	99.4	99.3	99.1	95.2	50.5	19.6	13.5				31.88		Dark Gray & Dark	SM	Silty Sand (SM).
K5/155/4	MH5P1-09-19	5-6	7.5 to 9.0		100	99.7	99.5	99.4	99.3	99.1	95.2	50.5	19.6	13.5				31.88		Grayish Brown	SIVI	Silty Sand (SW).
K5/15576	MHSPT-09-19	S-8	10.5 to 12.0			100	99.9	99.5	99.4	99.2	94.2	68	31.7	13.9				28.04		Dark Gray & Dark Grayish Brown	SM	Silty Sand (SM).
K5/15577	MHSPT-09-19	S-9	12.0 to 13.5			100	100	99.9	99.8	99.2	91.6	62.5	31.9	15.6				27.86		Dark Gray & Dark	SM	Silty Sand (SM).
K3/133//	WITSFT-05-15	3-9	12.0 (0 13.3			100	100	33.3	33.0	33.2	31.0	02.3	31.5	15.0				27.00		Grayish Brown	SIVI	
K5/15580	MHSPT-09-19	S-12	16.5 to 18.0				100	99.8	99.8	99.5	98	94.7	91.5	88.4	100	26	74	54.74		Dark Gray & Dark Grayish Brown	СН	Fat Clay (CH), with a little sand.
																				Dark Greenish Gray		Fat Clay (CH), with a
K5/15583	MHSPT-09-19	S-15	21.0 to 22.5				100	99.9	99.6	99.1	96.8	94.5	93.1	91.1	90	26	64	55.65		& Dark Grayish	СН	trace of sand.
																				Brown Olive Brown & Dark		(Visual) Fat Clay (CH),
K5/15593	MHSPT-10-19	S-3	3.0 to 4.5				100	99.5	98.2	96.4	94.9	92.8	91.5	90.1				215.05		Gray	СН	with a trace of sand.
WE (4.5.53.3	MHSPT-10-19		001.405				100	99.8	99.7	00.5		97.3	95.9	02.2				53.42		Very Dark Gray &	СН	(Visual) Fat Clay (CH),
K5/15632	MH2h1-10-1a	S-7	9.0 to 10.5				100	99.8	99.7	99.5	98.8	97.3	95.9	93.2				53.42		Very Dark Grayish Brown	CH	with a trace of sand.
K5/15639	MHSPT-11-19	S-3	3.0 to 4.5				100	99.4	99.1	98.7	97.7	84.4	58	46.2				59.7		Dark Greenish Gray	SC	(Visual) Clayey Sand
							-													& Dark Gray  Dark Grayish Brown		(SC). Poorly Graded Silty Sand
K5/15645	MHSPT-11-19	S-9	12.0 to 13.5			100	100	99.9	99.7	98.5	88.1	30.9	13.9	10.2				21.45		& Dark Gray	SP-SM	(SP-SM).
																				Dark Grayish Brown		Fat Clay (CH), with a
K5/15651	MHSPT-11-19	S-15	19.5 to 21.0				100	100	99.8	99.3	97.1	94.2	92.4	89.6	90	25	65	36.37		& Dark Greenish Gray	СН	little sand.
WE (4.550.0	1411507 44 40	6.24	2051.200				400	00.0	00.5	00.4	07.7		04.5			40	26	22.47		Dark Gray & Dark	611	Fat Clay (CH), with a
K5/15598	MHSPT-11-19	S-21	28.5 to 30.0				100	99.8	99.6	99.4	97.7	94	91.5	89	54	18	36	33.17		Grayish Brown	CH	little sand.
K5/15604	MHSPT-12-19	S-3	3.0 to 4.5			100	99.2	99	98.6	98.3	96.7	83.9	72.7	67.3	98	25	73	87.38		Dark Gray & Olive Brown	СН	Fat Clay (CH), with some sand.
WE (45540	1411507 43 40	6.40	25.51.27.0			400	100	00.5	00.0	05.2	00.0	20.0	22.0	46				24.00		Dark Gray & Olive	SM	
K5/15619	MHSPT-12-19	S-18	25.5 to 27.0			100	100	99.5	98.8	96.3	80.3	39.9	23.8	16				34.08		Brown	Mc	Silty Sand (SM).
K5/15624	MHSPT-12-19	S-23	33.0 to 34.5			100	99.8	99.3	99.2	98.8	96.5	85.8	81.9	80.1	83	18	65	36.61		Greenish Gray & Dark Grayish Brown	СН	Fat Clay (CH), with a little sand.
М																				Light Yellowish		(Visual) Clayey Sand
K5/15626	MHSPT-12-19	S-25	36.0 to 37.5			100	100	100	99.9	99.4	92.7	35.4	23.6	20.5				26.92		Brown & Greenish	SC	(SC).
$\vdash$			<del>                                     </del>							-										Gray		(Visual) Fat Clay (CH),
K5/15655	MHSPT-13-19	S-3	3.0 to 4.5				100	100	99.9	99.9	99	96.3	93.1	89.5	l		l			Light Brownish Gray	CH	with a little sand.

## SS-X Borings







# VC-X-84 & SG-X-82 Borings

	nie Wierburg wierbiel von bereit	washing and the con-	. ** who was a standard of Standard Sta	-tyn-raeran,maapani	ngenompaansta aanaan dissam	ratorrana mataro arandado	Maria Maria	VC = A2 = E =		
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Cocatio Betwie	e (Conducte Sen Bu q	en si	en 20, c/l channel	MLLW T > FT.						
DAILLING	SAGENCY		2,250 E. 382,350	1	BARG	and and		Fig. 19.4 pt. 4 de seu a pre-		
	. (લેક શક્તિ અલ્લો			TOT BUR	AL NO. OF DEN SAMP	GVEN. LES TAKE	e 4	ONDISTURBED		
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		L 191 F. E3	DEG FROM VERY.	IS. DAT			and the same of th	AUG. 1984		
THICKNE	SS OF OVERH	URDEA	الله المنظم ا المنظم المنظم المنظم 		AL CORE		LE -41.0 Y FOR BORING	H/A :		
	RILLED INTO		20.0' (EL 61.0 )	19. SIGN	ATURE OF	HISPECT				
THE RESIDENCE PROPERTY.	1		CLASSIFICATION OF MAYERIA	<del></del>	H. GAT	450-194	REMA			
LEVATION #	DEPTH LE	GEND	(Description)		WIC	SAMPLE HO:	(Driffing time, was weathering, etc.	ter loom, dages of , if elgnificate)		
-41.0	0 -		Enish the Anathra and Anathra	***********		-	LAS DATA	*		
	- 6		(CH) BLACK FAT CLAY	1,			SAM CLASS	LL PL PI		
			Amer John			Ì	#	Desire and the second s		
			MACHINE COMPANIES AND		ļ		1 CH 2 CH	gard gam (bugs)		
	2 -				<u> </u>		2 CH 3 CH	930° 300°		
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61.0	20	A STATE	: •		ļ	d)	DEPTH 19.5	'- 20.0'		

BORING LOG-S	South Atlantic	Mobile Dis	strict	-		SKEE OF	Y ;	T S		
I. PROJECT	<u></u>	10 SIZE AND TYPE OF BIT		1 27 1 1	· (* )					
2. LOCATION (Coordinates o		II. DATUM FOR ELEVATION S	MOMN	MS.						
N 95,520 E	<u>530,200</u> Komile District	12 MANUFACTURER'S DESIGNATION OF DRILL PL SIA SEAHOW IN BARGE								
4. HOLE NO. (As shown on d	No. of state 1	13 TOTAL NO. OF OVER- DISTURBED UNDISTURBED BURDEN SAMPLES TAKEN 5								
and lite number)  5. NAME OF DRILLER	50-1-82	14. TOTAL NUMBER CORE BOXES								
6. DIRECTION OF HOLE	), DETLOFF	15. ELEVATION GROUND WAT		OBIL		AY ()				
1	VEG. FROM VERT.		26 -	82		$\hat{Q} \leq c_{ij}$	( 8	2		
7. THICKNESS OF OVERBUE	IOEN	17. ELEVATION TOP OF HOLE 18. TOTAL CORE RECOVERY				x <sub>f</sub> :	5.a/			
8. DEPTH DRILLED INTO R	annone and the state of the sta	19. SIGNATURE OF INSPECTO	8		 Yai					
9 TOTAL DEPTH OF HOLE	22.51	And the second s	_			ENDTE	RATION	į		
W/C DEPTH SYM	CLASSIFICATION OF (DESCRIPT)		0	(BL)		ER FOO		60		
	GREENISH GRAY SILTY	CANDY FAT CIAY	L.	T		T T		-		
63	(CH)									
1.5	GREENISH GRAY SILT	Y FAT CLAY (CH)	WR	2						
48		, , , , , , , , , , , , , , , , , , ,		<del> </del> -						
3.0	GREENISH GRAY FAT	CLAY (CH) W/SOME	Y_							
51 7	<b>3</b>		-3	ļ						
4.5 -			[ ]							
43	SAND		-4							
	GREENISH GRAY FAT	CLAY (CH) W/TR.	•					İ		
54	OF SAND & SHELL	, ,, , , , , , , , , , , , , , , ,	6							
7.5	GREENISH GRAY FAT	CLAY(CH)W/TR. OF	•							
60				<b>—</b>		.1.000.00.1.1.00000		$\dashv$		
	GREENISH GRAY FAT	CLAY (CH) W/TR,		1						
59	OF SAND & SHELL	, , , , , , , , , , , , , , , , , , , ,	8					-		
	GREETIISH GRAY FAT	CLAY(CH)W/TR.	,							
56	OF SAND	•								
	DK, BROWN SILTY FA	T CLAY (CH) W/SOME	1				1			
55	SAND, -200 = 69.3%	>		11-				-		
V 2	DK, BROWN SILTY FA	T CLAY (CH) W/SOME								
63	\$75D			1G						
	DK. BROWN SILTY FAT	CLAY (CH) W/A LITTLE					ļ	į		
104:	SAND & TR. DECAYED V	MODD, ELLARGA		12	<b>-</b>					
	DK, BROWN FAT CLAY (C	TH) W/TR: SAND &				96				
18.0	DECAYED WOOD			-15						
-0	GREENISH GRAY SILTY FAT CLAY (CH)  W/A LITTLE SAND  GREENISH GRAY FAT CLAY (CH) W/SOME SAND, LL: 52, PL: 17, PI: 35, -200=180%  GREENISH GRAY FAT CLAY (CH) W/SOME SAND  GREENISH GRAY FAT CLAY (CH) W/TR.  OF SAND & SHELL  GREENISH GRAY FAT CLAY (CH) W/TR.  OF SAND & SHELL  GREENISH GRAY FAT CLAY (CH) W/TR.  OF SAND & SHELL  GREENISH GRAY FAT CLAY (CH) W/TR.  OF SAND & SHELL  GREENISH GRAY FAT CLAY (CH) W/TR.  OF SAND  DK. BROWN SILTY FAT CLAY (CH) W/SOME SAND, -200 = 69.3%  DK. BROWN SILTY FAT CLAY (CH) W/SOME SAND  DK. BROWN SILTY FAT CLAY (CH) W/SOME SAND  OK. BROWN SILTY FAT CLAY (CH) W/SOME SAND  OK. BROWN FAT CLAY (CH) W/TR. SAND & DECAYED WOOD  GREENISH GRAY FAT CLAY (CH) W/SOME SAND & TR. OF DECAYED WOOD  19.5  GREENISH GRAY CLAYEY SAND (SC-H) HIGH LL  BOTTOM OF HOLE									
195	SAND & TR. OF DECAY	CED WOOD		12						
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21.0	GREENISH GRAY CLAY	YEY SAMO(SC-H)	-	10		<del>  </del>				
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24.0	A COLOR				<del>                                     </del>	<del>  </del>				
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6. I-VCR	TIUM (Connut)	uhafes o	4 Station I	11. DATUM FOR ELEVATION	₹ 5Hô	พลักราสพ ASN	Tor MSL	j		
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-			DEG. FROM YERT.	17. ELEVATION TOP OF HOL		6-60	- 1	10-26	. Say	
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39 <b> </b>		91	WITE SAND, SHELL &	DECAYED WOOD	34.18 (9)					
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