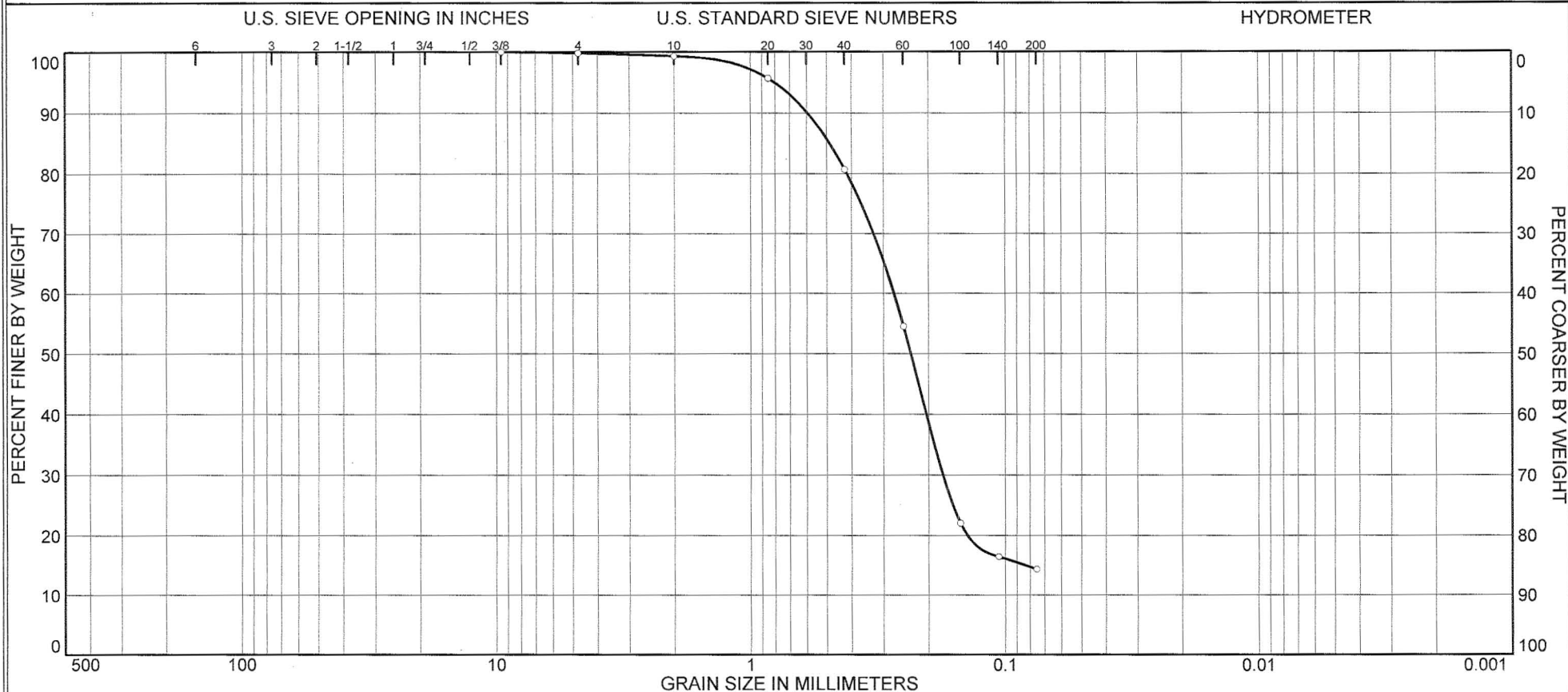


Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.2	0.5	18.6	66.4	14.3	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G23	G23-1	236.67'	N/A		Red Silty sand	7.2		

Client GPC c/o SNOC		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project			
Project No. 6141-06-0286.54			

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G23
Sample No.: G23-1
Elev. or Depth: 236.67' **Sample Length(in./cm.):** N/A
Location: G23-1
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.2
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

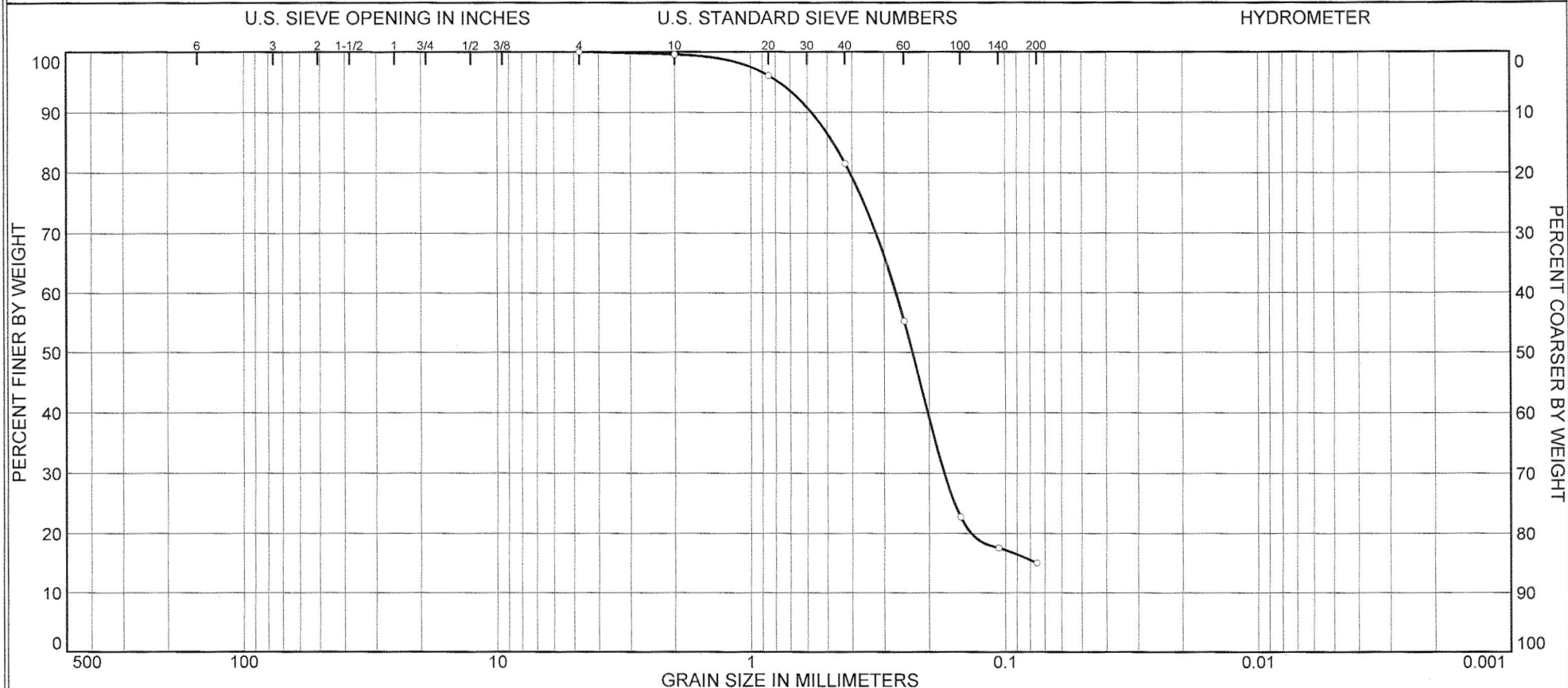
	Initial	
Dry sample and tare=	202.60	
Tare =	64.32	
Dry sample weight =	138.28	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	0.34	99.8
# 10	0.93	99.3
# 20	5.89	95.7
# 40	26.63	80.7
# 60	62.92	54.5
# 100	107.79	22.0
# 140	115.54	16.4
# 200	118.50	14.3

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL = 0.2 (% coarse = % fine = 0.2)
% SAND = 85.5 (% coarse = 0.5 % medium = 18.6 % fine = 66.4)
% FINES = 14.3

D85= 0.49 D60= 0.27 D50= 0.23
D30= 0.18 D15= 0.08

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.4	18.1	66.5	15.0	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G23	G23-2	236.56'	N/A		Red Silty sand	7.4		

Client GPC c/o SNOC		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project			
Project No. 6141-06-0286.54			

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOG
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G23
Sample No.: G23-2
Elev. or Depth: 236.56' **Sample Length(in./cm.):** N/A
Location: G23-2
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.4
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

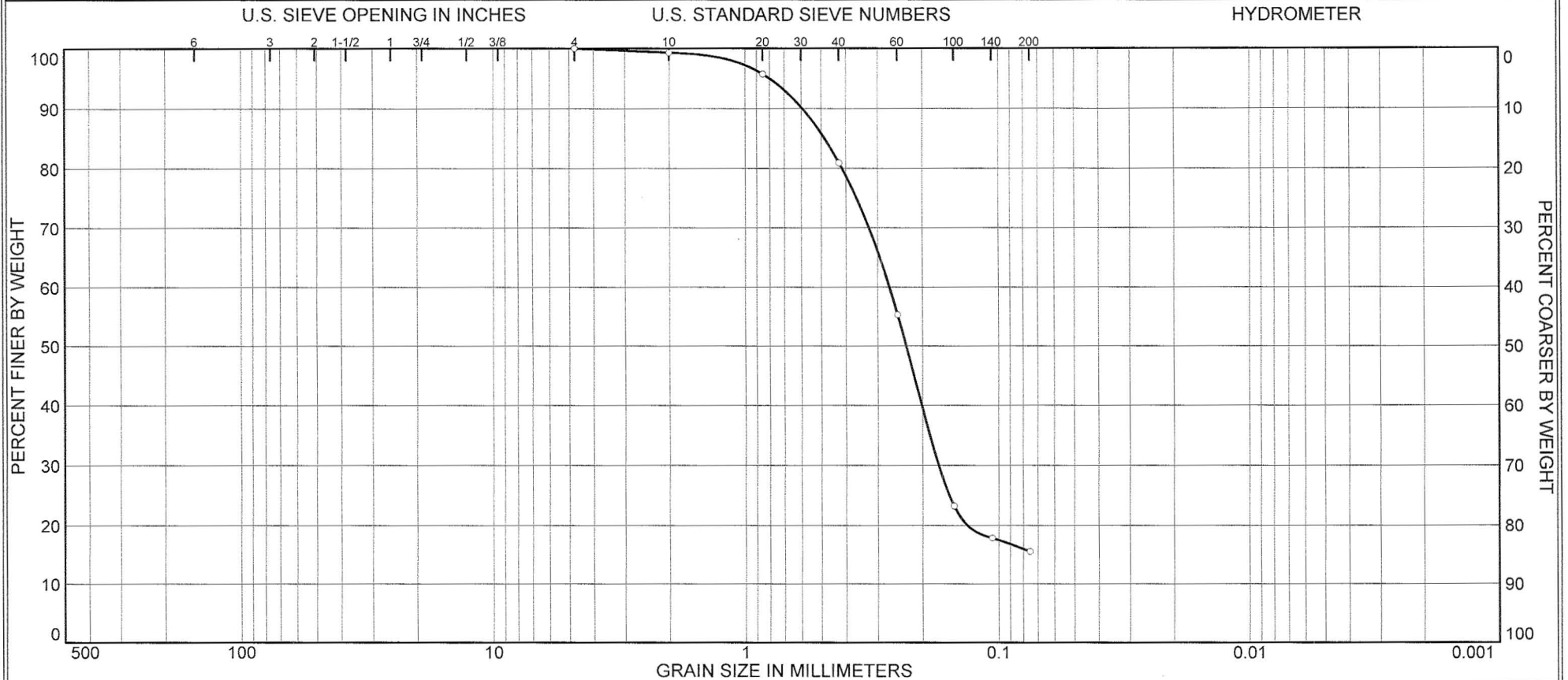
	Initial	
Dry sample and tare=	203.95	
Tare =	64.14	
Dry sample weight =	139.81	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.49	99.6
# 20	5.42	96.1
# 40	25.93	81.5
# 60	62.69	55.2
# 100	108.12	22.7
# 140	115.35	17.5
# 200	118.78	15.0

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 85.0 (% coarse = 0.4 % medium = 18.1 % fine = 66.5)
% FINES = 15.0

D₈₅ = 0.47 D₆₀ = 0.27 D₅₀ = 0.23
D₃₀ = 0.17 D₁₅ = 0.08

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.7	18.4	65.4	15.5	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G23	G23-3	236.62'	N/A		Red Silty sand	7.6		

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G23
Sample No.: G23-3
Elev. or Depth: 236.62' **Sample Length(in./cm.):** N/A
Location: G23-3
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.6
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

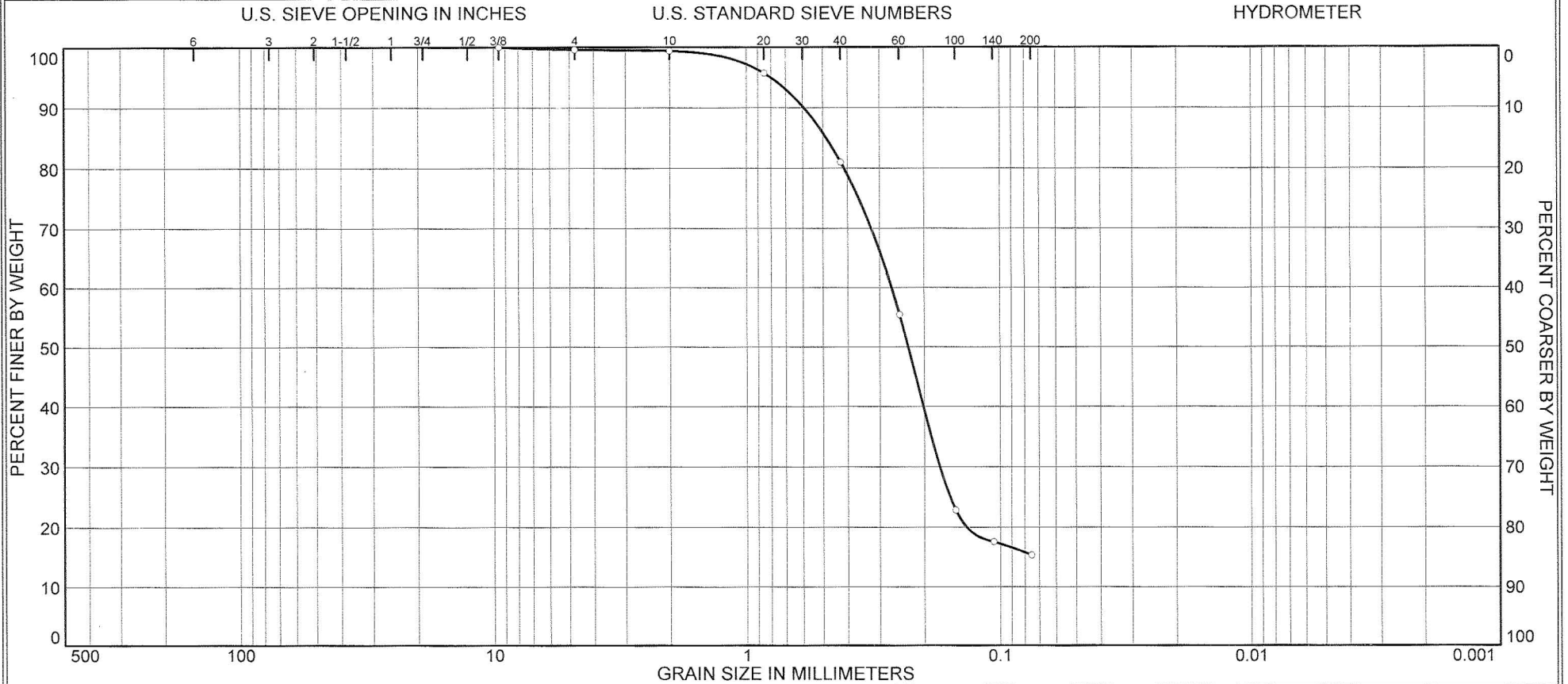
	Initial	
Dry sample and tare=	210.33	
Tare =	70.16	
Dry sample weight =	140.17	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	1.00	99.3
# 20	6.03	95.7
# 40	26.74	80.9
# 60	62.71	55.3
# 100	107.63	23.2
# 140	115.26	17.8
# 200	118.49	15.5

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 84.5 (**% coarse = 0.7** **% medium = 18.4** **% fine = 65.4**)
% FINES = 15.5

D85= 0.48 **D60= 0.27** **D50= 0.23**
D30= 0.17

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.4	0.2	18.4	65.7	15.3	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G23	G23-4	236.75'	N/A	SM	Red Silty sand	7.0	NV	NP

Client GPC c/o SNOG	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G23
Sample No.: G23-4
Elev. or Depth: 236.75' **Sample Length(in./cm.):** N/A
Location: G23-4
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.0
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

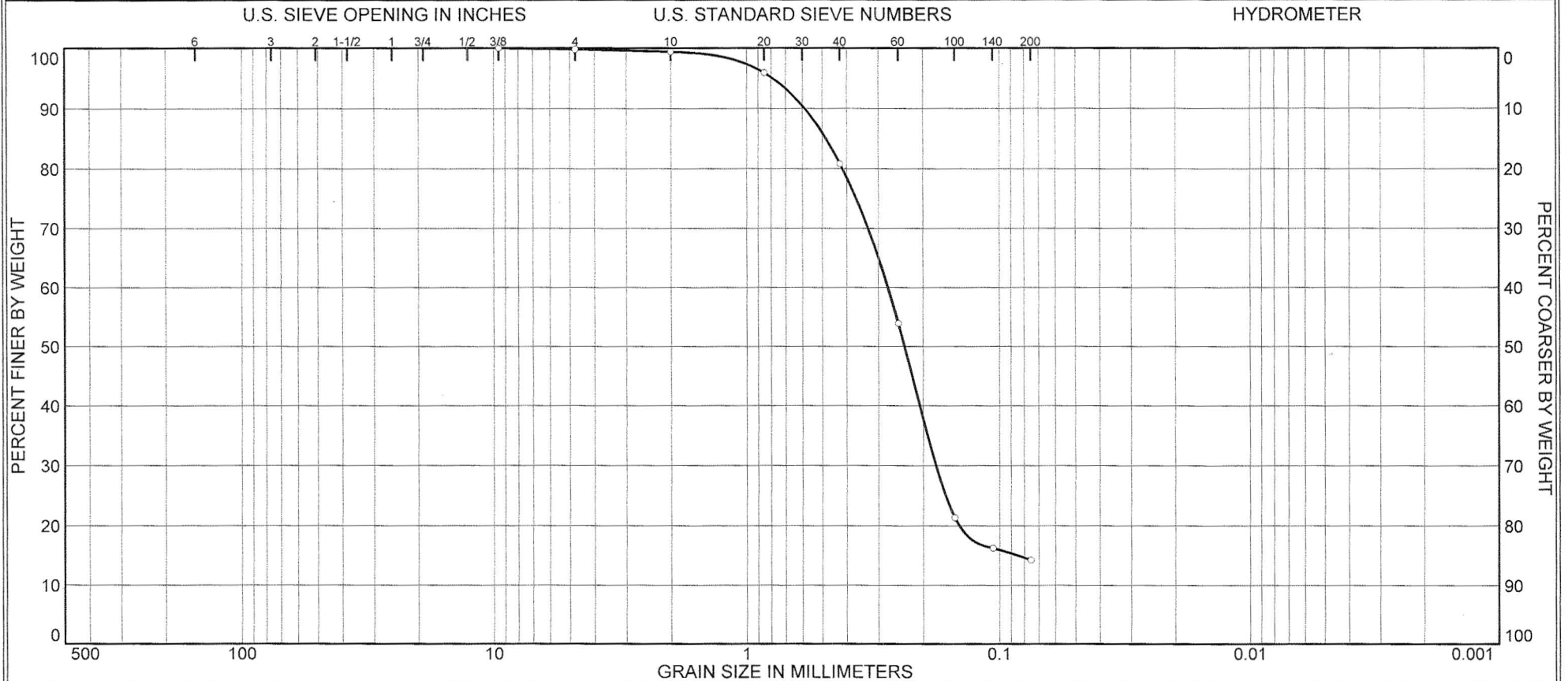
	Initial	
Dry sample and tare=	198.94	
Tare =	64.28	
Dry sample weight =	134.66	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	0.57	99.6
# 10	0.84	99.4
# 20	5.78	95.7
# 40	25.53	81.0
# 60	60.10	55.4
# 100	103.94	22.8
# 140	111.14	17.5
# 200	114.09	15.3

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.4** (**% coarse =** **% fine = 0.4**)
% SAND = 84.3 (**% coarse = 0.2** **% medium = 18.4** **% fine = 65.7**)
% FINES = 15.3

D85= 0.48 D60= 0.27 D50= 0.23
D30= 0.17

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.2	0.4	18.6	66.6	14.2	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G24	G24-1	236.77'	N/A		Red Silty sand	10.4		

Client GPC c/o SNOC		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project			
Project No. 6141-06-0286.54			

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G24
Sample No.: G24-1
Elev. or Depth: 236.77' **Sample Length(in./cm.):** N/A
Location: G24-1
Description: Red Silty sand
Date: N/A **Natural Moisture:** 10.4
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

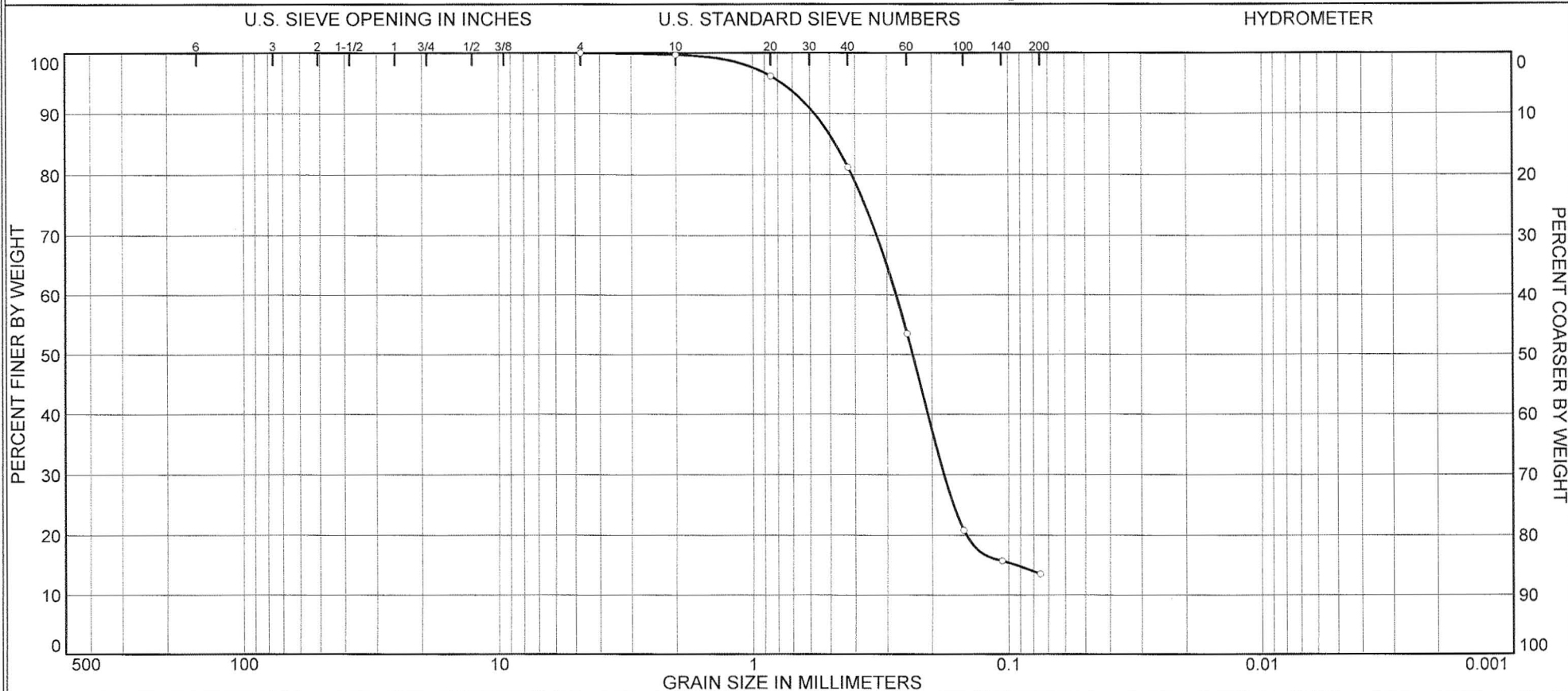
	Initial	
Dry sample and tare=	205.47	
Tare =	64.35	
Dry sample weight =	141.12	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	0.32	99.8
# 10	0.79	99.4
# 20	5.81	95.9
# 40	27.12	80.8
# 60	65.03	53.9
# 100	111.02	21.3
# 140	118.31	16.2
# 200	121.08	14.2

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.2** (**% coarse =** **% fine = 0.2**)
% SAND = 85.6 (**% coarse = 0.4** **% medium = 18.6** **% fine = 66.6**)
% FINES = 14.2

D85= 0.48 D60= 0.27 D50= 0.24
D30= 0.18 D15= 0.09

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.3	18.5	67.7	13.5	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G24	G24-2	236.94'	N/A		Red Silty sand	11.2		

Client GPC c/o SNOG	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G24
Sample No.: G24-2
Elev. or Depth: 236.94' **Sample Length(in./cm.):** N/A
Location: G24-2
Description: Red Silty sand
Date: N/A **Natural Moisture:** 11.2
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

Initial
Dry sample and tare= 201.95
Tare = 64.20
Dry sample weight = 137.75
Tare for cumulative weight retained= .00

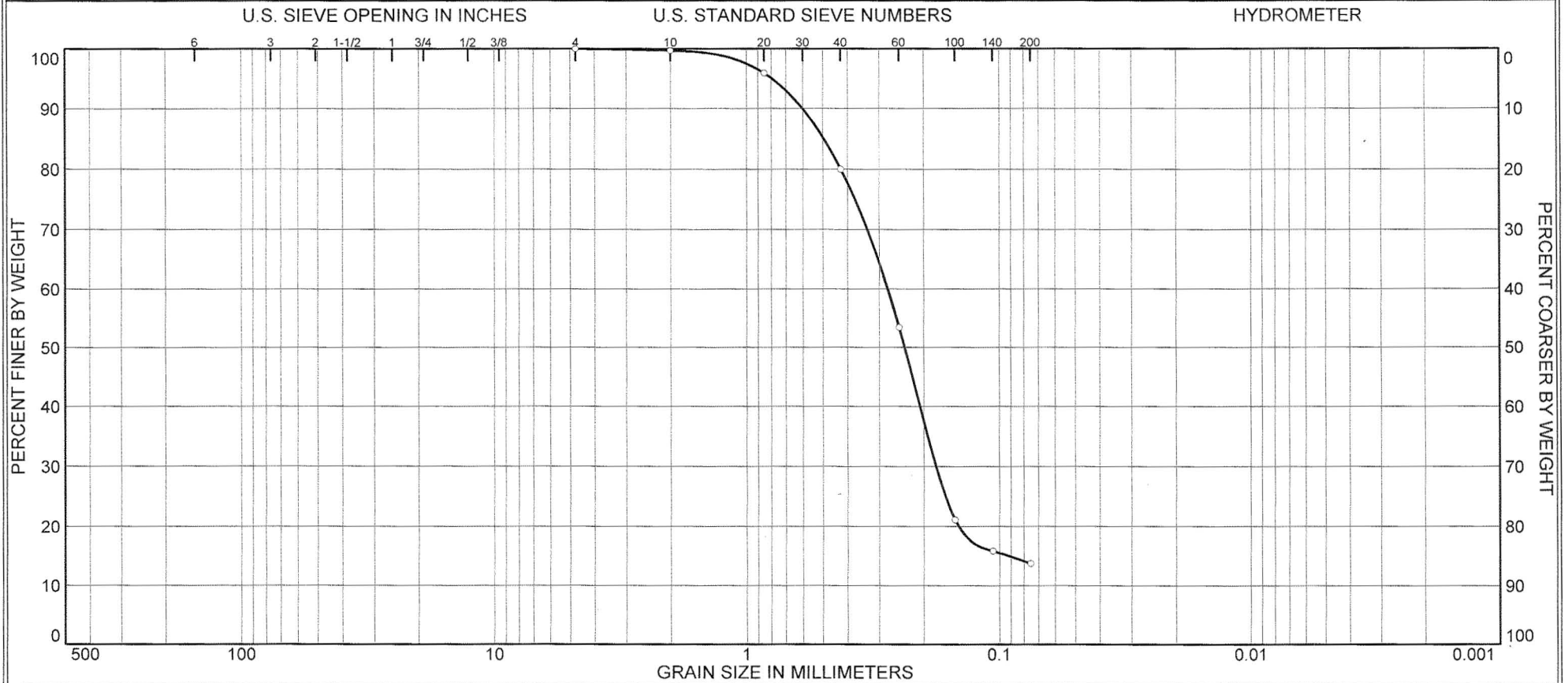
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.43	99.7
# 20	5.24	96.2
# 40	25.87	81.2
# 60	64.04	53.5
# 100	109.13	20.8
# 140	116.15	15.7
# 200	119.22	13.5

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 86.5 (**% coarse = 0.3** **% medium = 18.5** **% fine = 67.7)**
% FINES = 13.5

D85= 0.48 **D60= 0.28** **D50= 0.24**
D30= 0.18 **D15= 0.09**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.3	19.7	66.3	13.7	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G24	G24-3	236.83'	N/A		Red Silty sand	10.9		

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G24
Sample No.: G24-3
Elev. or Depth: 236.83' **Sample Length(in./cm.):** N/A
Location: G24-3
Description: Red Silty sand
Date: N/A **Natural Moisture:** 10.9
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.36	99.7
# 20	5.68	95.9
# 40	27.79	80.0
# 60	64.61	53.4
# 100	109.41	21.1
# 140	116.74	15.8
# 200	119.75	13.7

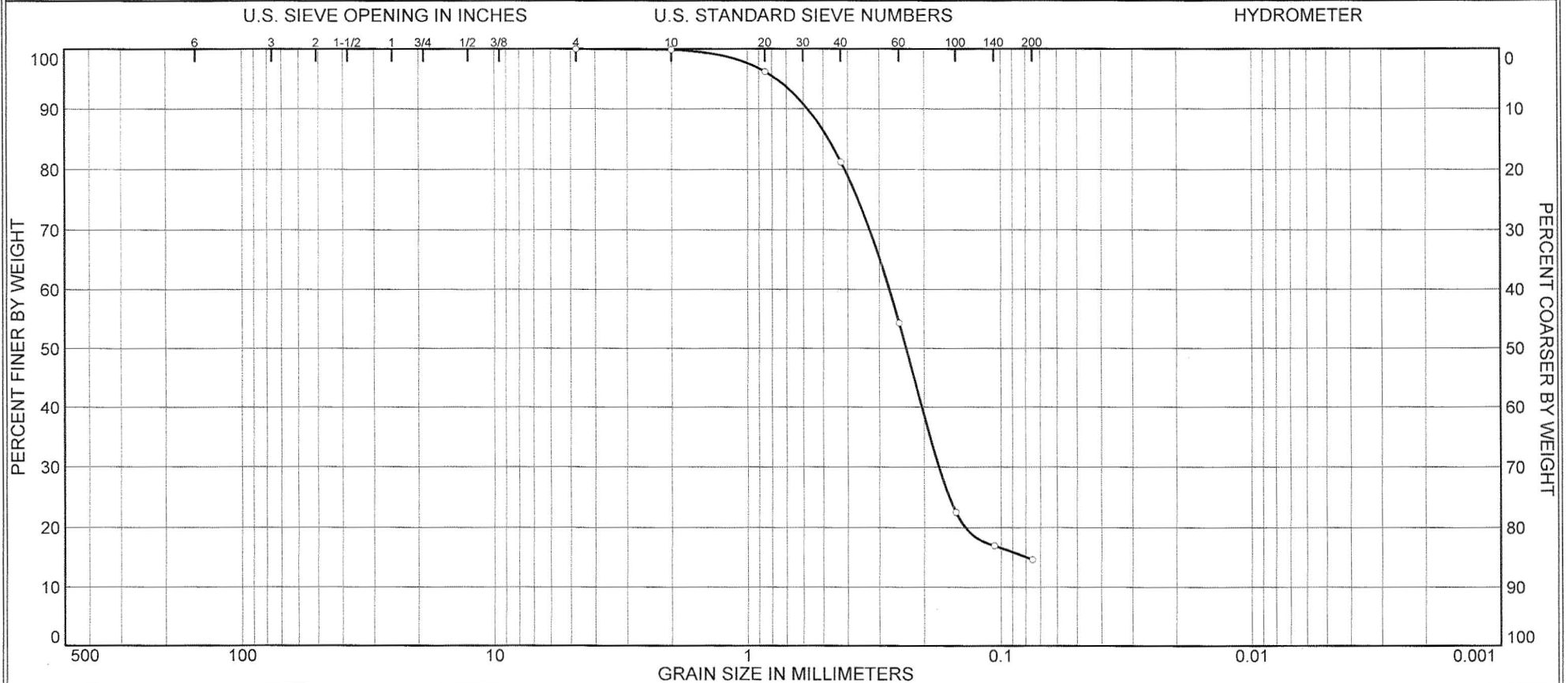
Initial
Dry sample and tare= 208.94
Tare = 70.23
Dry sample weight = 138.71
Tare for cumulative weight retained= .00

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL =
% SAND = 86.3 (% coarse = 0.3 % medium = 19.7 % fine = 66.3)
% FINES = 13.7

D85= 0.50 D60= 0.28 D50= 0.24
D30= 0.18 D15= 0.09

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.1	18.7	66.6	14.6	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G24	G24-4	236.82'	N/A	SM	Red Silty sand	9.5	NV	NP

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviwed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G24
Sample No.: G24-4
Elev. or Depth: 236.82' **Sample Length(in./cm.):** N/A
Location: G24-4
Description: Red Silty sand
Date: N/A **Natural Moisture:** 9.5
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by: MD/SW **Reviwed by:** MC

Mechanical Analysis Data

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.14	99.9
# 20	5.17	96.2
# 40	25.96	81.2
# 60	63.05	54.3
# 100	106.87	22.5
# 140	114.52	16.9
# 200	117.65	14.6

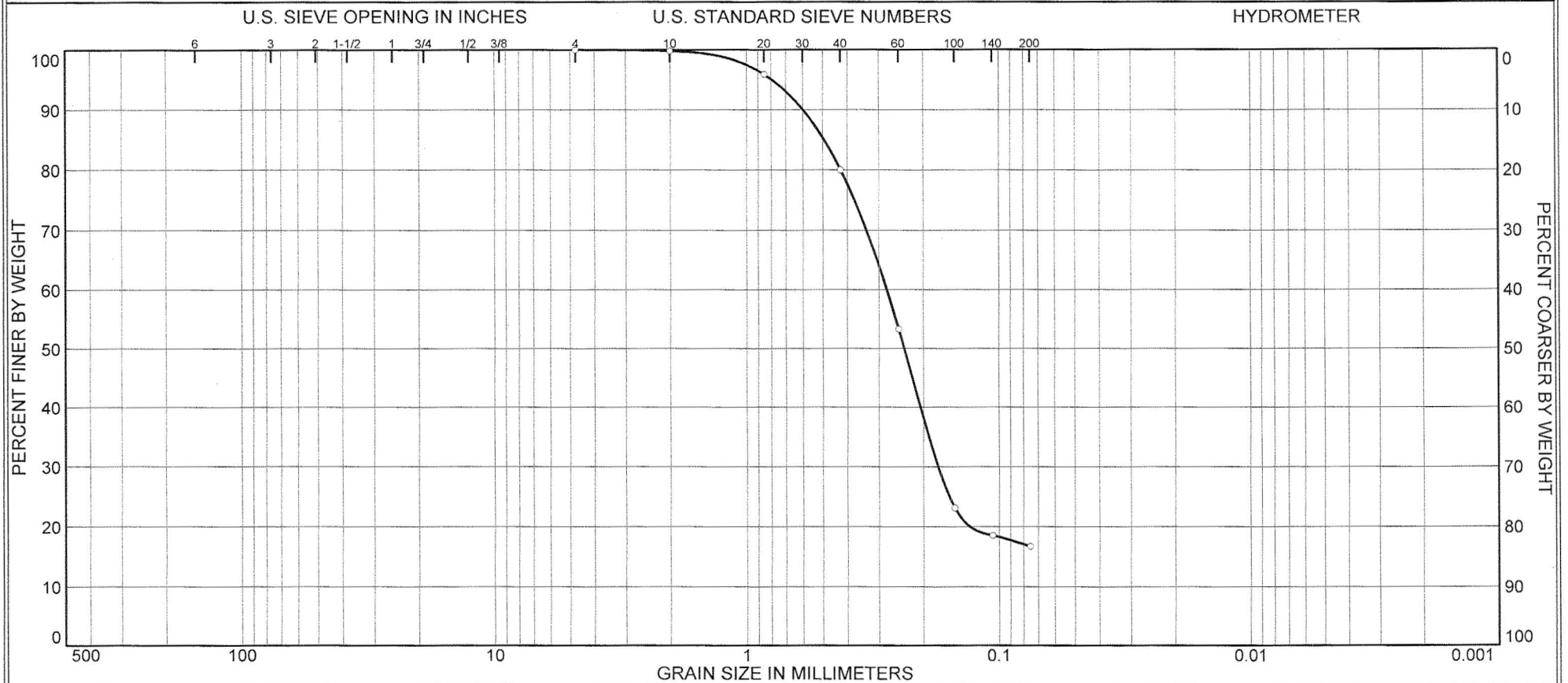
Initial
Dry sample and tare= 202.16
Tare = 64.34
Dry sample weight = 137.82
Tare for cumulative weight retained= .00

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 85.4 (**% coarse = 0.1** **% medium = 18.7** **% fine = 66.6**)
% FINES = 14.6

D85= 0.48 **D60= 0.27** **D50= 0.23**
D30= 0.17 **D15= 0.08**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.2	19.8	63.3	16.7	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G25	G25-1	237.56'	N/A	SM	Red Silty sand	7.4	NV	NP

Client GPC c/o SNOC		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project			
Project No. 6141-06-0286.54			

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G25
Sample No.: G25-1
Elev. or Depth: 237.56' **Sample Length(in./cm.):** N/A
Location: G25-1
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.4
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

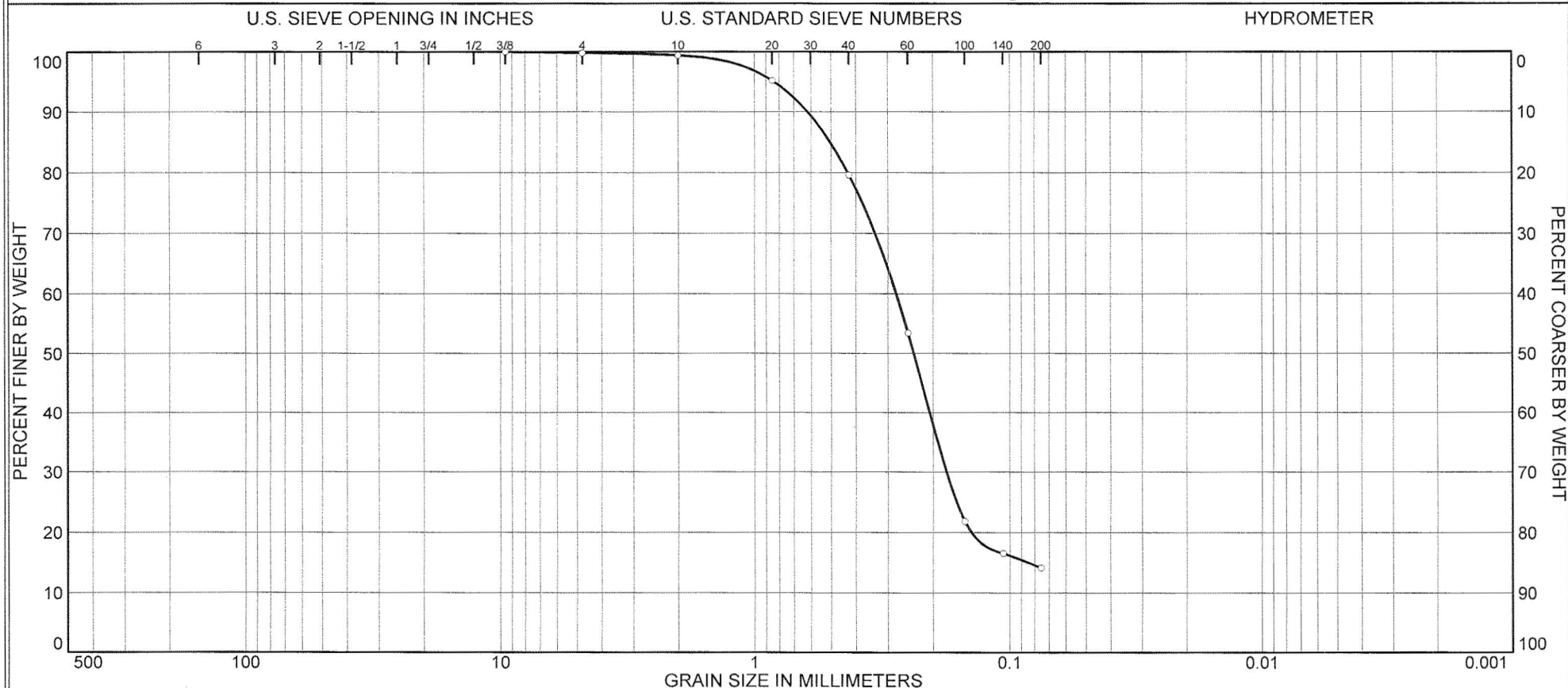
	Initial	
Dry sample and tare=	208.04	
Tare =	64.36	
Dry sample weight =	143.68	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.26	99.8
# 20	5.84	95.9
# 40	28.68	80.0
# 60	67.12	53.3
# 100	110.55	23.1
# 140	117.12	18.5
# 200	119.73	16.7

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 83.3 (**% coarse = 0.2** **% medium = 19.8** **% fine = 63.3**)
% FINES = 16.7

D85= 0.49 **D60= 0.28** **D50= 0.24**
D30= 0.17

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.2	0.4	19.8	65.5	14.1	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G25	G25-2	237.53'	N/A		Red Silty sand	7.9		

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: MD/SW Reviewed by: MC
Project Vogtle Units 3 & 4 Test Pad Project		
Project No. 6141-06-0286.54		

GRAIN SIZE DISTRIBUTION TEST DATA

Client: GPC c/o SNOC
Project: Vogtle Units 3 & 4 Test Pad Project
Project Number: 6141-06-0286.54

Sample Data

Source: Test Pad Backfill G25
Sample No.: G25-2
Elev. or Depth: 237.53' **Sample Length(in./cm.):** N/A
Location: G25-2
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.9
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: MD/SW Reviewed by: MC

Mechanical Analysis Data

	Initial	
Dry sample and tare=	203.20	
Tare =	64.28	
Dry sample weight =	138.92	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	0.27	99.8
# 10	0.83	99.4
# 20	6.70	95.2
# 40	28.35	79.6
# 60	64.74	53.4
# 100	108.63	21.8
# 140	116.06	16.5
# 200	119.36	14.1

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.2** (**% coarse =** **% fine = 0.2**)
% SAND = 85.7 (**% coarse = 0.4** **% medium = 19.8** **% fine = 65.5**)
% FINES = 14.1

D85= 0.50 D60= 0.28 D50= 0.24
D30= 0.18 D15= 0.08