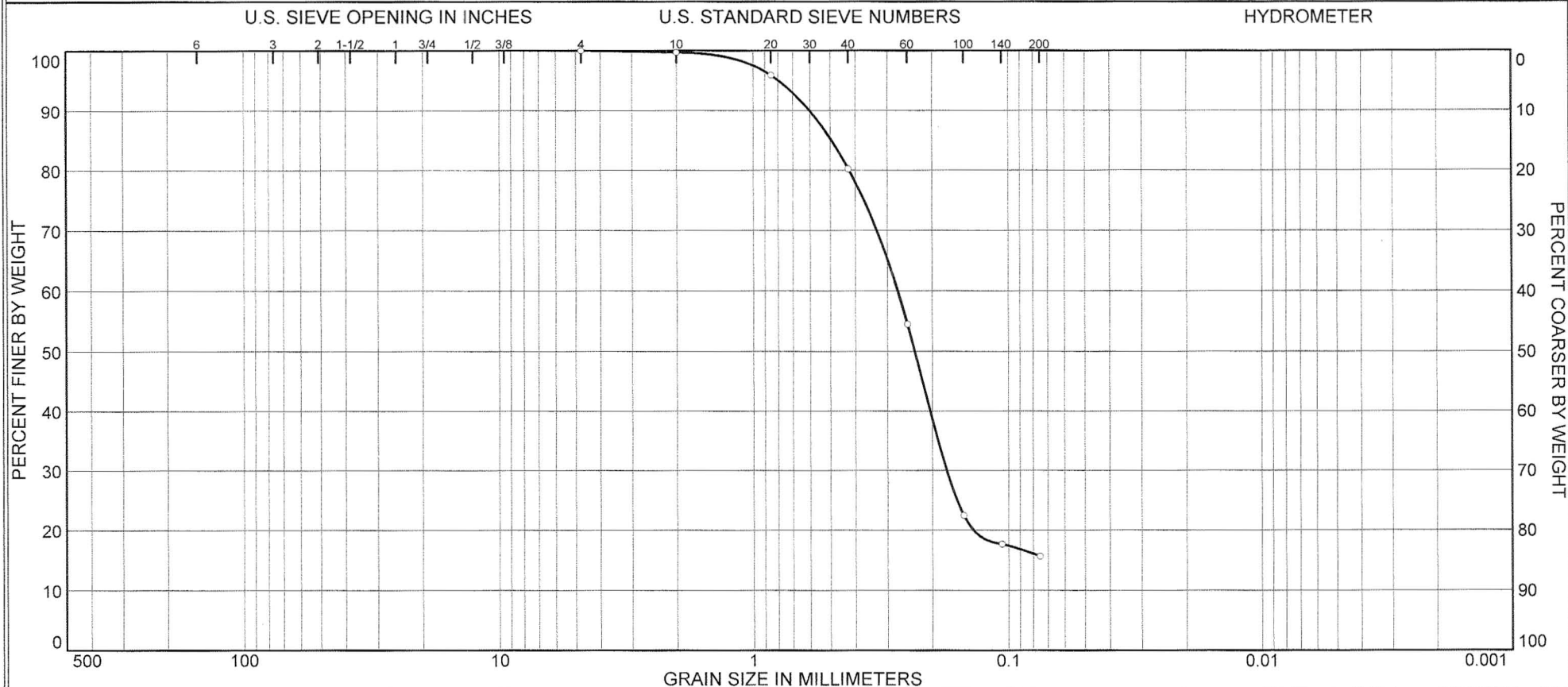


Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.3	19.5	64.6	15.6	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G3	G3-3	226.36'	N/A	SM	Red Silty sand	5.8	NV	NP

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: SW/MD 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 G3
Sample No.: G3-3
Elev. or Depth: 226.36' **Sample Length(in./cm.):** N/A
Location: G3-3
Description: Red Silty sand
Date: N/A **Natural Moisture:** 5.8
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by: SW/MD Reviewed by: MC

Mechanical Analysis Data

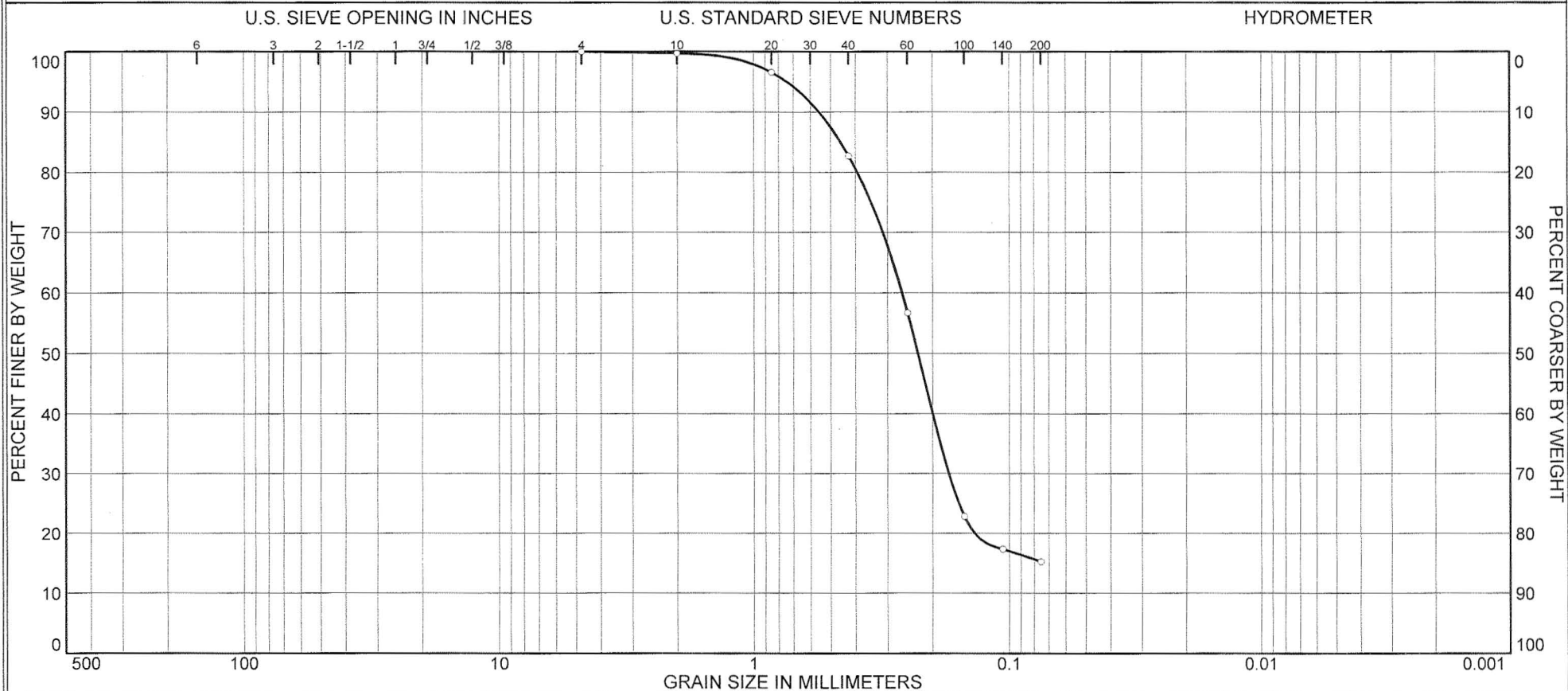
	Initial	
Dry sample and tare=	206.13	
Tare =	70.17	
Dry sample weight =	135.96	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.36	99.7
# 20	5.60	95.9
# 40	26.95	80.2
# 60	61.89	54.5
# 100	105.45	22.4
# 140	111.99	17.6
# 200	114.74	15.6

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 84.4 (**% coarse = 0.3** **% medium = 19.5** **% fine = 64.6**)
% FINES = 15.6

D85= 0.49 **D60= 0.27** **D50= 0.23**
D30= 0.18

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.3	17.0	67.5	15.2	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G3	G3-4	226.42'	N/A		Red Silty sand	5.4		

Client GPC c/o SNOC		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: SW/MD	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 G3
Sample No.: G3-4
Elev. or Depth: 226.42' **Sample Length(in./cm.):** N/A
Location: G3-4
Description: Red Silty sand
Date: N/A **Natural Moisture:** 5.4
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW/MD Reviewed by: MC

Mechanical Analysis Data

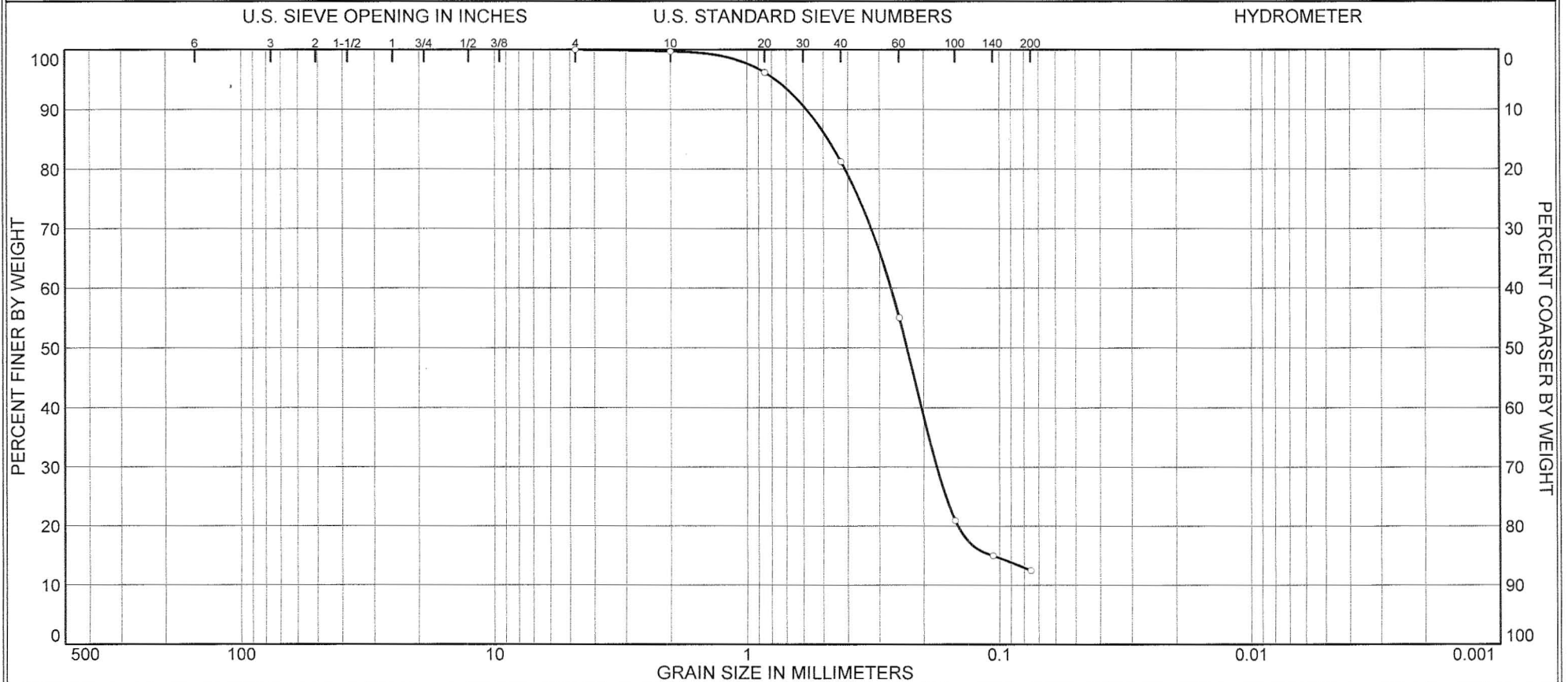
Sieve	Cumul. Wt. retained	Percent finer
Initial		
Dry sample and tare=	200.65	
Tare =	64.30	
Dry sample weight =	136.35	
Tare for cumulative weight retained=	.00	
# 4	0.00	100.0
# 10	0.41	99.7
# 20	4.59	96.6
# 40	23.53	82.7
# 60	59.10	56.7
# 100	105.24	22.8
# 140	112.80	17.3
# 200	115.58	15.2

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 84.8 (**% coarse = 0.3** **% medium = 17.0** **% fine = 67.5**)
% FINES = 15.2

D85= 0.46 **D60= 0.26** **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	0.0	0.3	18.5	68.8	12.4	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G4	G4-1	226.86'	N/A		Red Silty sand	5.3		

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: 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 G4
Sample No.: G4-1
Elev. or Depth: 226.86' **Sample Length(in./cm.):** N/A
Location: G4-1
Description: Red Silty sand
Date: N/A **Natural Moisture:** 5.3
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by; SW **Reviewed by:** MC

Mechanical Analysis Data

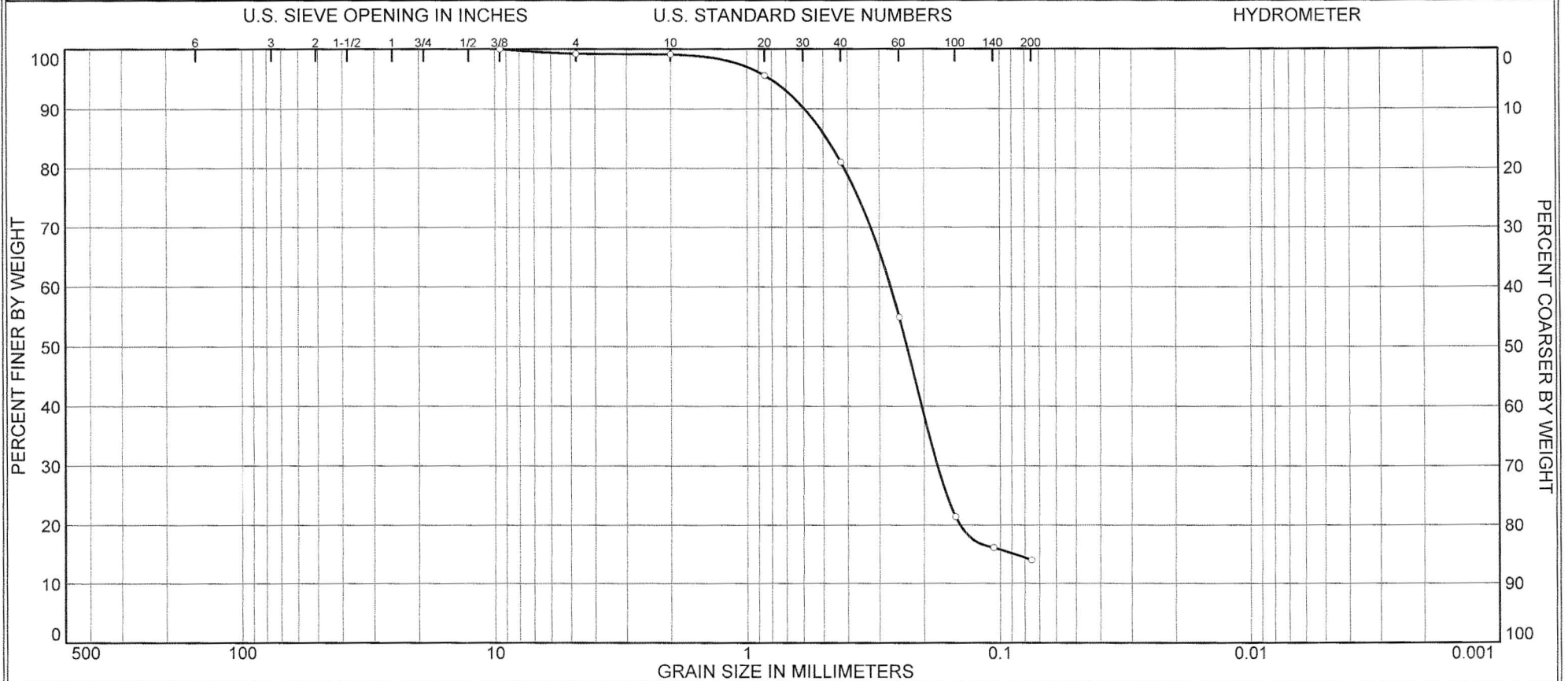
	Initial	
Dry sample and tare=	198.92	
Tare =	64.34	
Dry sample weight =	134.58	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.41	99.7
# 20	5.08	96.2
# 40	25.28	81.2
# 60	60.61	55.0
# 100	106.48	20.9
# 140	114.50	14.9
# 200	117.88	12.4

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 87.6 (**% coarse = 0.3** **% medium = 18.5** **% fine = 68.8**)
% FINES = 12.4

D85= 0.48 **D60= 0.27** **D50= 0.23**
D30= 0.18 **D15= 0.11**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.8	0.1	18.1	67.0	14.0	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G4	G4-2	226.86'	N/A	SM	Red Silty sand	6.4	NV	NP

Client GPC c/o SNOG	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: 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 G4
Sample No.: G4-2
Elev. or Depth: 226.86' **Sample Length(in./cm.):** N/A
Location: G4-2
Description: Red Silty sand
Date: N/A **Natural Moisture:** 6.4
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by: SW Reviewed by: MC

Mechanical Analysis Data

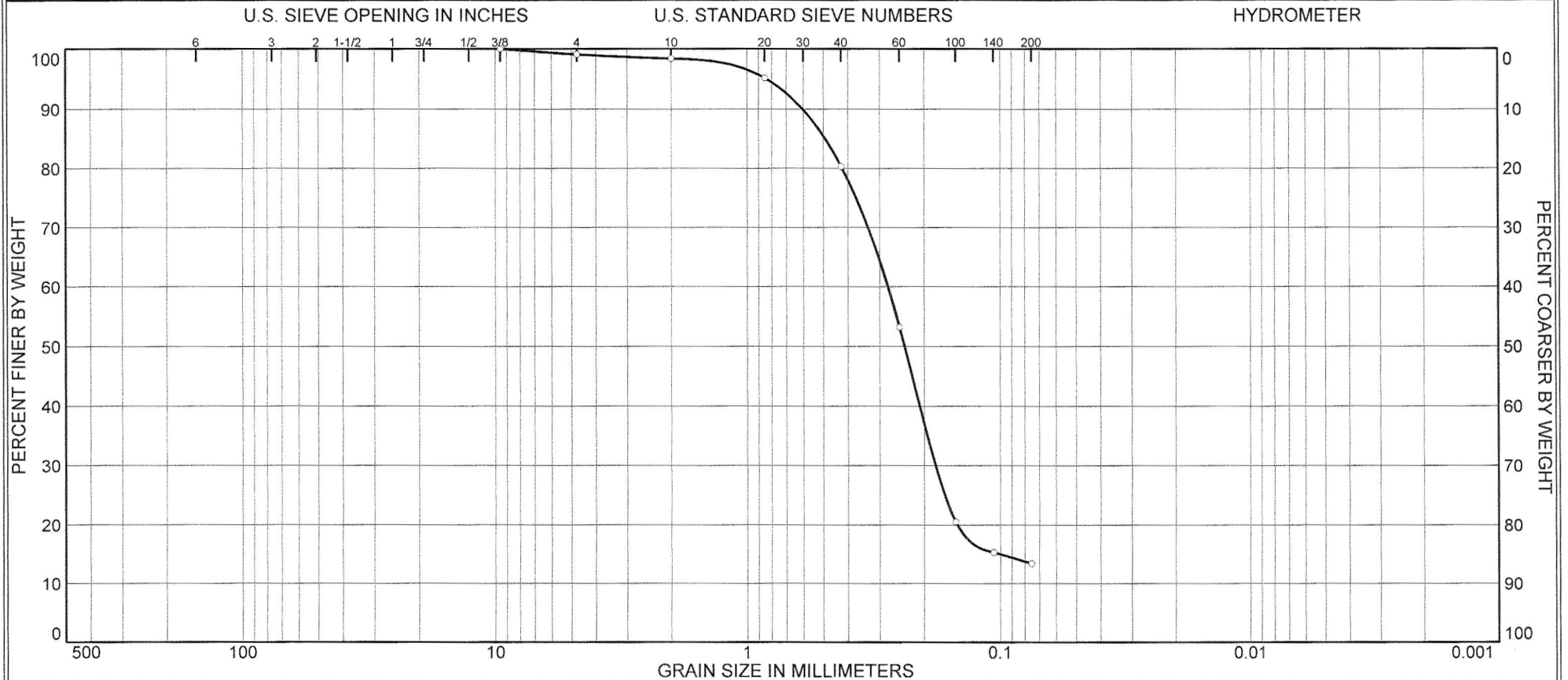
	Initial	
Dry sample and tare=	202.49	
Tare =	64.16	
Dry sample weight =	138.33	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	1.05	99.2
# 10	1.27	99.1
# 20	6.09	95.6
# 40	26.31	81.0
# 60	62.36	54.9
# 100	108.71	21.4
# 140	115.99	16.1
# 200	118.92	14.0

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.8** (**% coarse =** **% fine = 0.8**)
% SAND = 85.2 (**% coarse = 0.1** **% medium = 18.1** **% fine = 67.0**)
% FINES = 14.0

D85= 0.48 D60= 0.27 D50= 0.23
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	0.9	0.7	18.1	66.9	13.4	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G4	G4-3	227.09'	N/A		Red Silty sand	5.9		

Client GPC c/o SNOG		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: 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 G4
Sample No.: G4-3
Elev. or Depth: 227.09' **Sample Length(in./cm.):** N/A
Location: G4-3
Description: Red Silty sand
Date: N/A **Natural Moisture:** 5.9
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW Reviewed by: MC

Mechanical Analysis Data

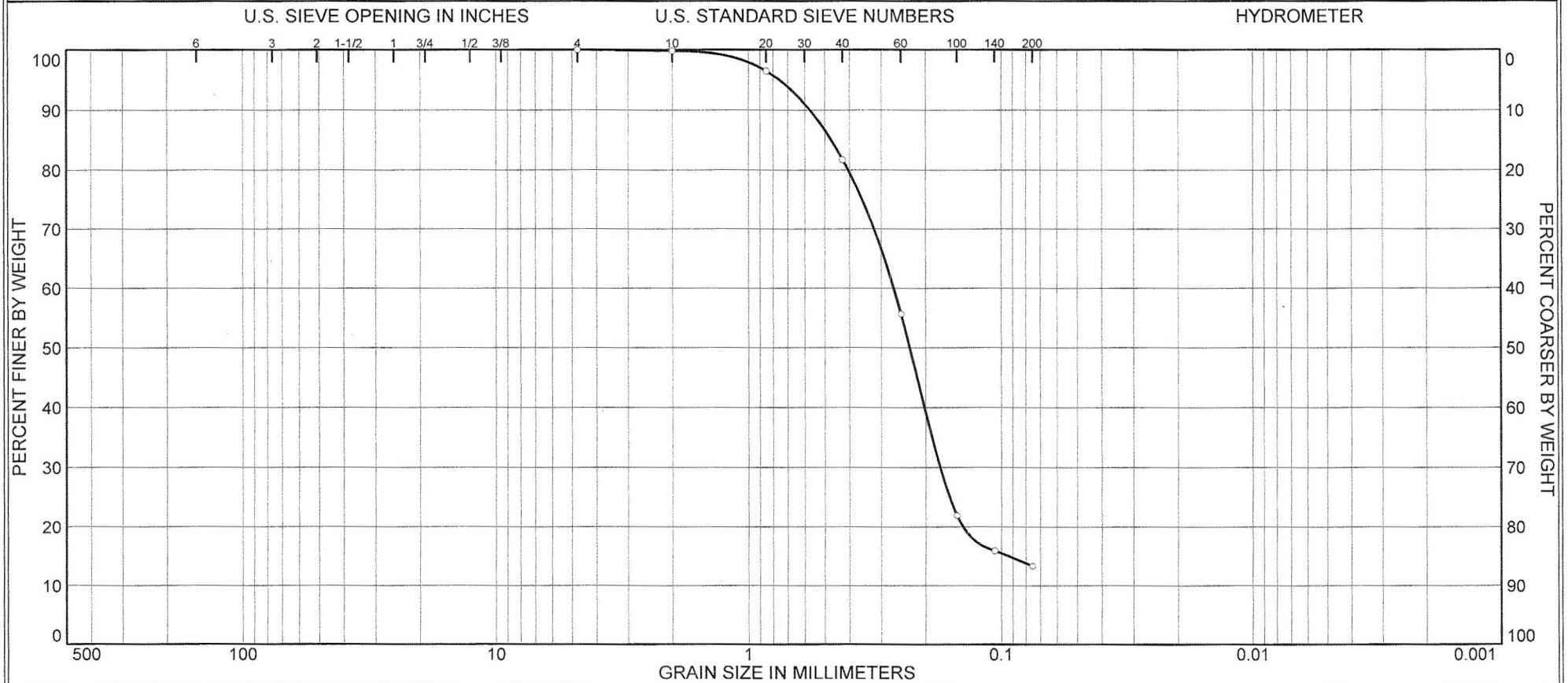
	Initial	
Dry sample and tare=	200.25	
Tare =	70.18	
Dry sample weight =	130.07	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	1.18	99.1
# 10	2.04	98.4
# 20	6.27	95.2
# 40	25.56	80.3
# 60	60.86	53.2
# 100	103.37	20.5
# 140	110.22	15.3
# 200	112.70	13.4

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.9** (**% coarse =** **% fine = 0.9**)
% SAND = 85.7 (**% coarse = 0.7** **% medium = 18.1** **% fine = 66.9**)
% FINES = 13.4

D85= 0.49 D60= 0.28 D50= 0.24
D30= 0.18 D15= 0.10

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.2	18.1	68.4	13.3	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G4	G4-4	227.02'	N/A		Red Silty sand	5.6		

Client GPC c/o SNOG	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: 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 G4
Sample No.: G4-4
Elev. or Depth: 227.02' **Sample Length(in./cm.):** N/A
Location: G4-4
Description: Red Silty sand
Date: N/A **Natural Moisture:** 5.6
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW Reviewed by: MC

Mechanical Analysis Data

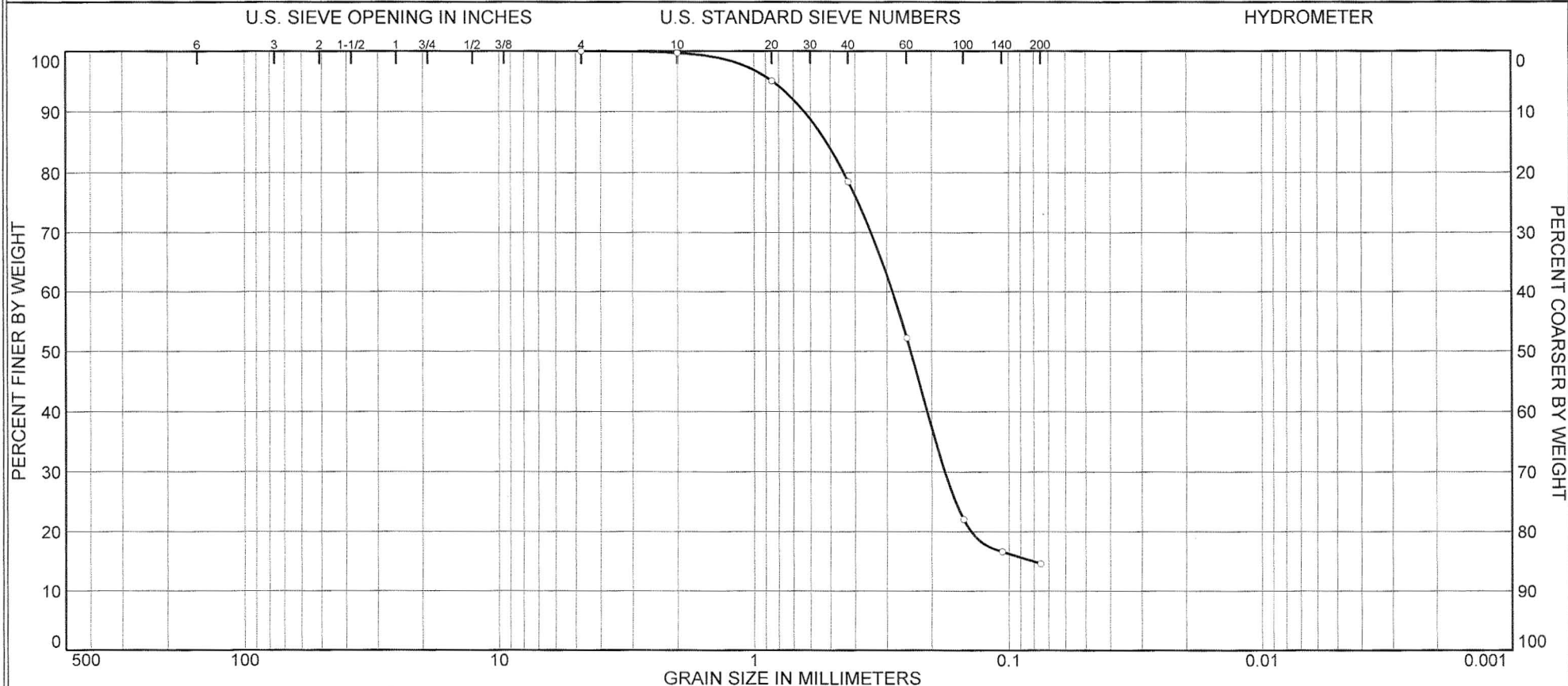
	Initial	
Dry sample and tare=	201.50	
Tare =	64.32	
Dry sample weight =	137.18	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.22	99.8
# 20	4.83	96.5
# 40	25.16	81.7
# 60	60.97	55.6
# 100	107.14	21.9
# 140	115.41	15.9
# 200	118.94	13.3

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 86.7 (**% coarse = 0.2** **% medium = 18.1** **% fine = 68.4**)
% FINES = 13.3

D85= 0.47 **D60= 0.27** **D50= 0.23**
D30= 0.17 **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	21.2	63.9	14.6	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G5	G5-1	227.44'	N/A	SM	Red Silty sand	7.9	NV	NP

Client GPC c/o SNOC
 Project Vogtle Units 3 & 4 Test Pad Project
 Project No. 6141-06-0286.54

**MACTEC ENGINEERING
 AND
 CONSULTING, INC.**

Tested by: SW/MD Reviewed by: MC

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 G5
Sample No.: G5-1
Elev. or Depth: 227.44' **Sample Length(in./cm.):** N/A
Location: G5-1
Description: Red Silty sand
Date: N/A **Natural Moisture:** 7.9
Liquid Limit: NV **Plastic Limit:** NP **USCS Class.:** SM
Testing Remarks: Tested by:SW/MD Reviewed by: MC

Mechanical Analysis Data

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.38	99.7
# 20	6.58	95.1
# 40	28.76	78.5
# 60	63.95	52.2
# 100	104.27	22.0
# 140	111.51	16.6
# 200	114.25	14.6

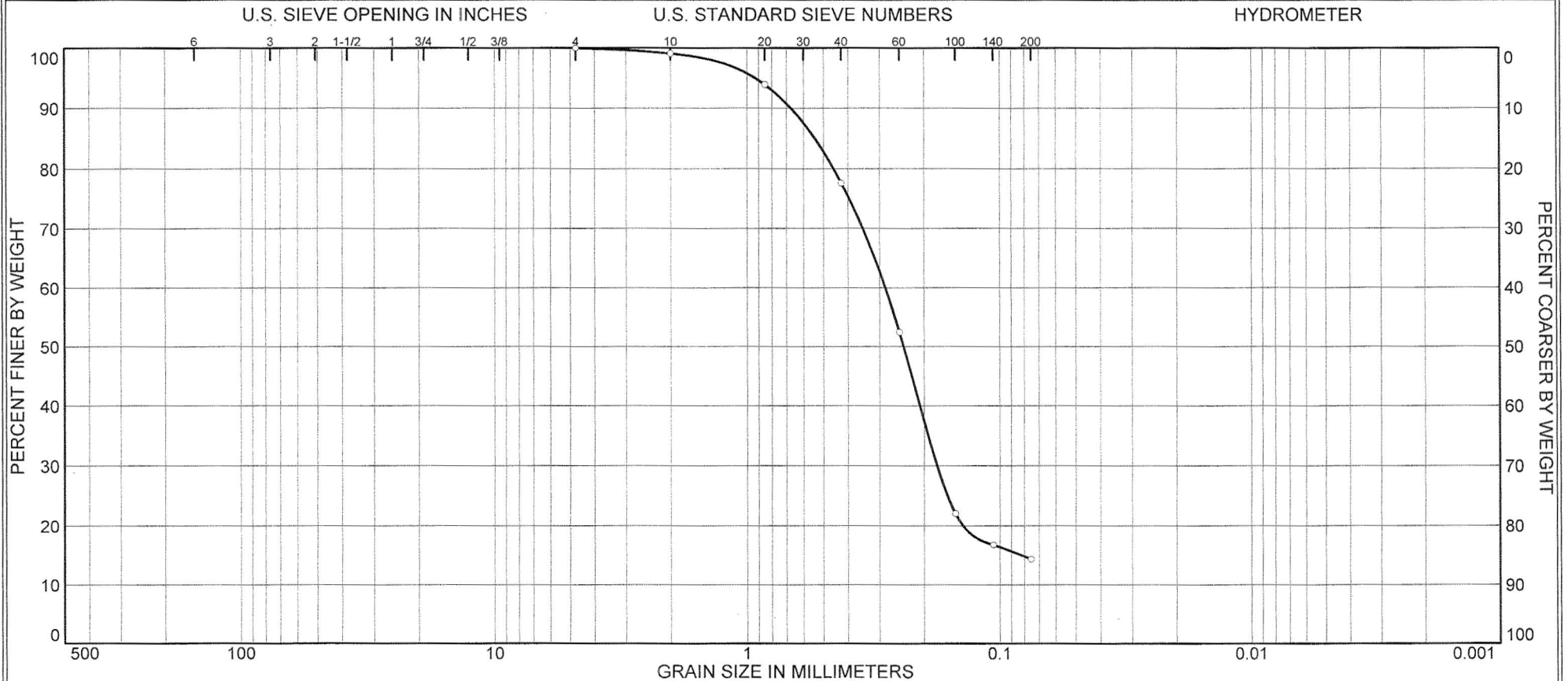
Initial
Dry sample and tare= 216.74
Tare = 83.00
Dry sample weight = 133.74
Tare for cumulative weight retained= .00

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = % GRAVEL =
% SAND = 85.4 (% coarse = 0.3 % medium = 21.2 % fine = 63.9)
% FINES = 14.6

D85= 0.52 D60= 0.28 D50= 0.24
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	0.9	21.5	63.3	14.3	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G5	G5-2	227.32'	N/A		Red Silty sand	8.2		

Client GPC c/o SNOC	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: SW/MD 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 G5
Sample No.: G5-2
Elev. or Depth: 227.32' **Sample Length(in./cm.):** N/A
Location: G5-2
Description: Red Silty sand
Date: N/A **Natural Moisture:** 8.2
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW/MD Reviewed by: MC

Mechanical Analysis Data

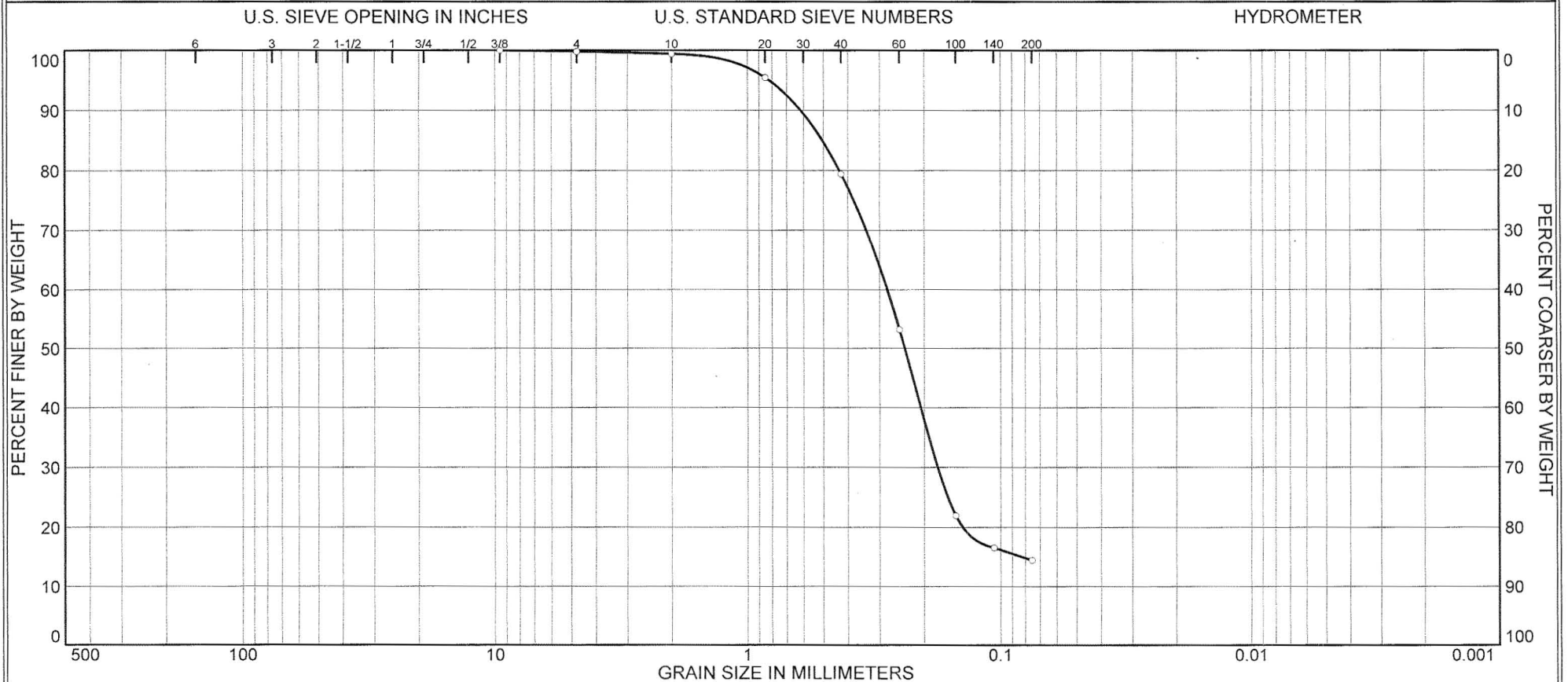
	Initial	
Dry sample and tare=	204.06	
Tare =	70.19	
Dry sample weight =	133.87	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	1.21	99.1
# 20	8.22	93.9
# 40	30.03	77.6
# 60	63.77	52.4
# 100	104.43	22.0
# 140	111.58	16.7
# 200	114.72	14.3

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 85.7 (**% coarse = 0.9** **% medium = 21.5** **% fine = 63.3)**
% FINES = 14.3

D85= 0.54 **D60= 0.28** **D50= 0.24**
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	0.2	0.4	20.0	65.0	14.4	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G5	G5-3	227.44'	N/A		Red Silty sand	6.5		

Client GPC c/o SNOG	MACTEC ENGINEERING AND CONSULTING, INC.	Tested by: SW/MD 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 G5
Sample No.: G5-3
Elev. or Depth: 227.44' **Sample Length(in./cm.):** N/A
Location: G5-3
Description: Red Silty sand
Date: N/A **Natural Moisture:** 6.5
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW/MD Reviewed by: MC

Mechanical Analysis Data

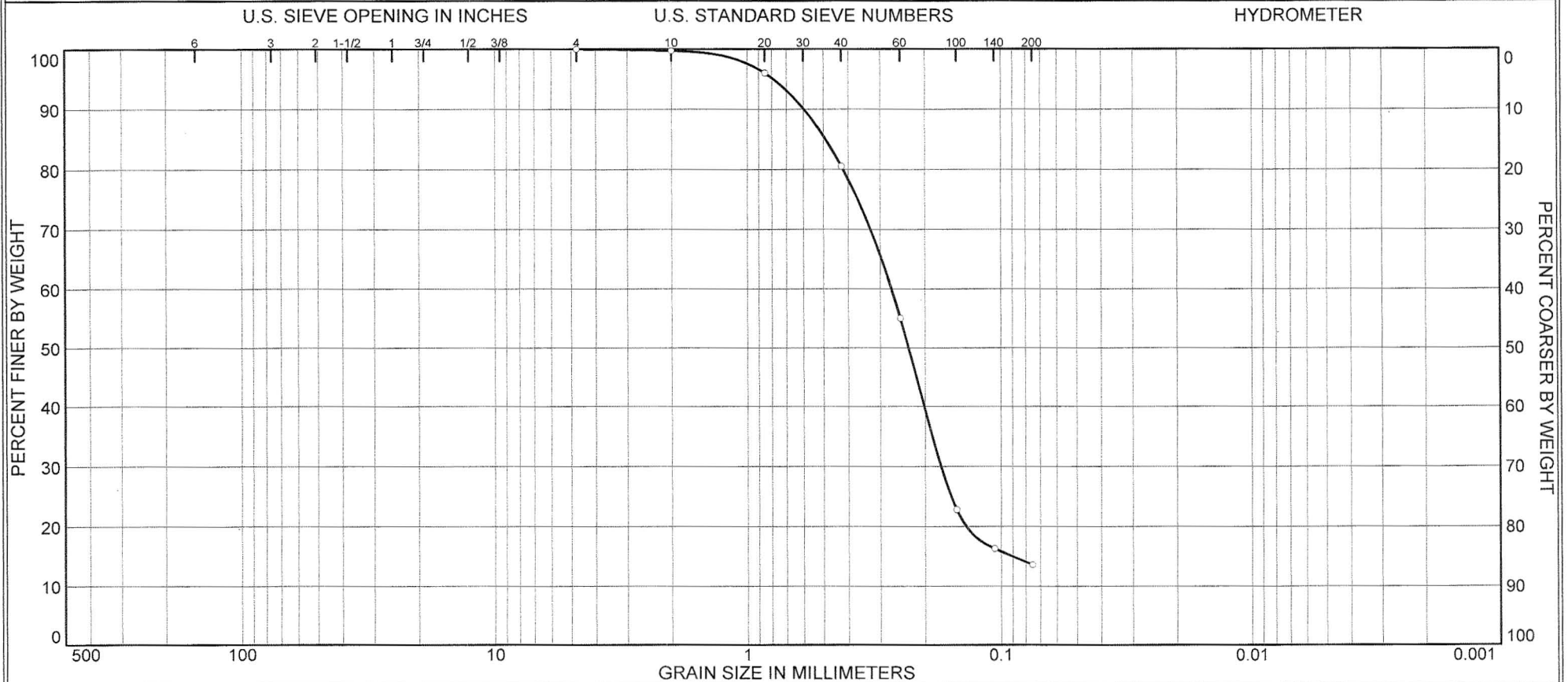
	Initial	
Dry sample and tare=	201.82	
Tare =	64.32	
Dry sample weight =	137.50	
Tare for cumulative weight retained=	.00	
Sieve	Cumul. Wt. retained	Percent finer
.375 inch	0.00	100.0
# 4	0.29	99.8
# 10	0.78	99.4
# 20	6.22	95.5
# 40	28.36	79.4
# 60	64.29	53.2
# 100	107.40	21.9
# 140	114.82	16.5
# 200	117.68	14.4

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL = 0.2** (**% coarse =** **% fine = 0.2**)
% SAND = 85.4 (**% coarse = 0.4** **% medium = 20.0** **% fine = 65.0**)
% FINES = 14.4

D85= 0.50 D60= 0.28 D50= 0.24
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	0.3	19.2	66.9	13.6	

SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PL
Test Pad Backfill G5	G5-4	227.05'	N/A		Red Silty sand	6.7		

Client GPC c/o SNOG		MACTEC ENGINEERING AND CONSULTING, INC.	○ Tested by: 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 G5
Sample No.: G5-4
Elev. or Depth: 227.05' **Sample Length(in./cm.):** N/A
Location: G5-4
Description: Red Silty sand
Date: N/A **Natural Moisture:** 6.7
Liquid Limit: **Plastic Limit:** **USCS Class.:**
Testing Remarks: Tested by: SW Reviewed by: MC

Mechanical Analysis Data

Initial
Dry sample and tare= 218.63
Tare = 83.01
Dry sample weight = 135.62
Tare for cumulative weight retained= .00

Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 10	0.47	99.7
# 20	5.43	96.0
# 40	26.41	80.5
# 60	61.03	55.0
# 100	104.72	22.8
# 140	113.48	16.3
# 200	117.21	13.6

Fractional Components

Gravel/Sand based on #4
Sand/Fines based on #200
% COBBLES = **% GRAVEL =**
% SAND = 86.4 (**% coarse = 0.3** **% medium = 19.2** **% fine = 66.9)**
% FINES = 13.6

D85= 0.49 **D60= 0.27** **D50= 0.23**
D30= 0.17 **D15= 0.09**