Herbst/Benson & Associates
Geotechnical Engineers

414 Main Street
Reisterstown, Maryland 21136
(410) 526-7200
Fax (410) 526-7268

August 28, 2020

Harborview Builders
1 Stone Chapel Lane
Baltimore, Maryland 21208

Attention: Mr. Ben Attar

Re: Prince Georges Close
Baltimore County, Maryland

Gentlemen:

On August 10 2020, as requested, we visited various sites to observe test pits and obtains soil samples for later use as fill on the above-referenced project The samples were returned to our laboratory. Representative samples were subjected to classification and compaction moisture density relationship testing Details of our site visits can be found on the attached DAILY CONCTRUCTION REPORTS. Results of the laboratory tests can be found on the attached TABLE 1 CLASSIFICATION TEST DATA.and COMPACTION TEST Sheet 1 through 3

A review of the laboratory tests indicate the tested samples are acceptable for use as controlled fill with moistures ranging from 7 percent below to 4 percent over the optimum moisture to obtain maximum density. It is our understanding that these soils are to be stockpiled onsite before being placed as fill so the moisture at time of placement may vary from the the current moistues.

Any questions please call.

Most sincerely,

HERBST/BENSON & ASSOCIATES

By: R. Alan Greeley
Vice President

RAG/rag
20040MD

PRICE GEORGES CLOSE
OFFSITE BORROW
BALTIMORE COUNTY, MARYLAND
20040MD

AUGUST 2020

TABLE 1

CLASSIFICATION TEST DATA

Sieve/Particle Size	% by Weight Passing Indicated Size			
	Midfield Rd. site	Snapler Prop. site	Stevenson Rd site	Taney Rd site
3/4"	100	100	100	100
1/2"	97	96	99	98
3/8"	95	96	99	96
#4	91	94	99	92
#10	85	86	98	87
#40	63	62	90	76
#60	56	51	84	64
#200	15	33	71	31
Atterberg Limits				
Liquid Limit (LL)	43	36	41	22
Plasticity Index (PI)	17	NP	16	NP
Classification				
Unified	CL	SM	CL	SM
AASHTO	A-7-6(4)	A-2-4(0)	A-7-6(11)	A-2-4(0)
Natural Moisture Content (%)	16.7	12.7	20.4	14.9

COMPACTION TEST

PROJECT = Prince Georges Close

SAMPLE IDENTIFICATION = Snapler Site

CURVE NUMBER = 1, 20040MD DATE = 8/20

MAXIMUM DRY DENSITY (PCF) = 107.2

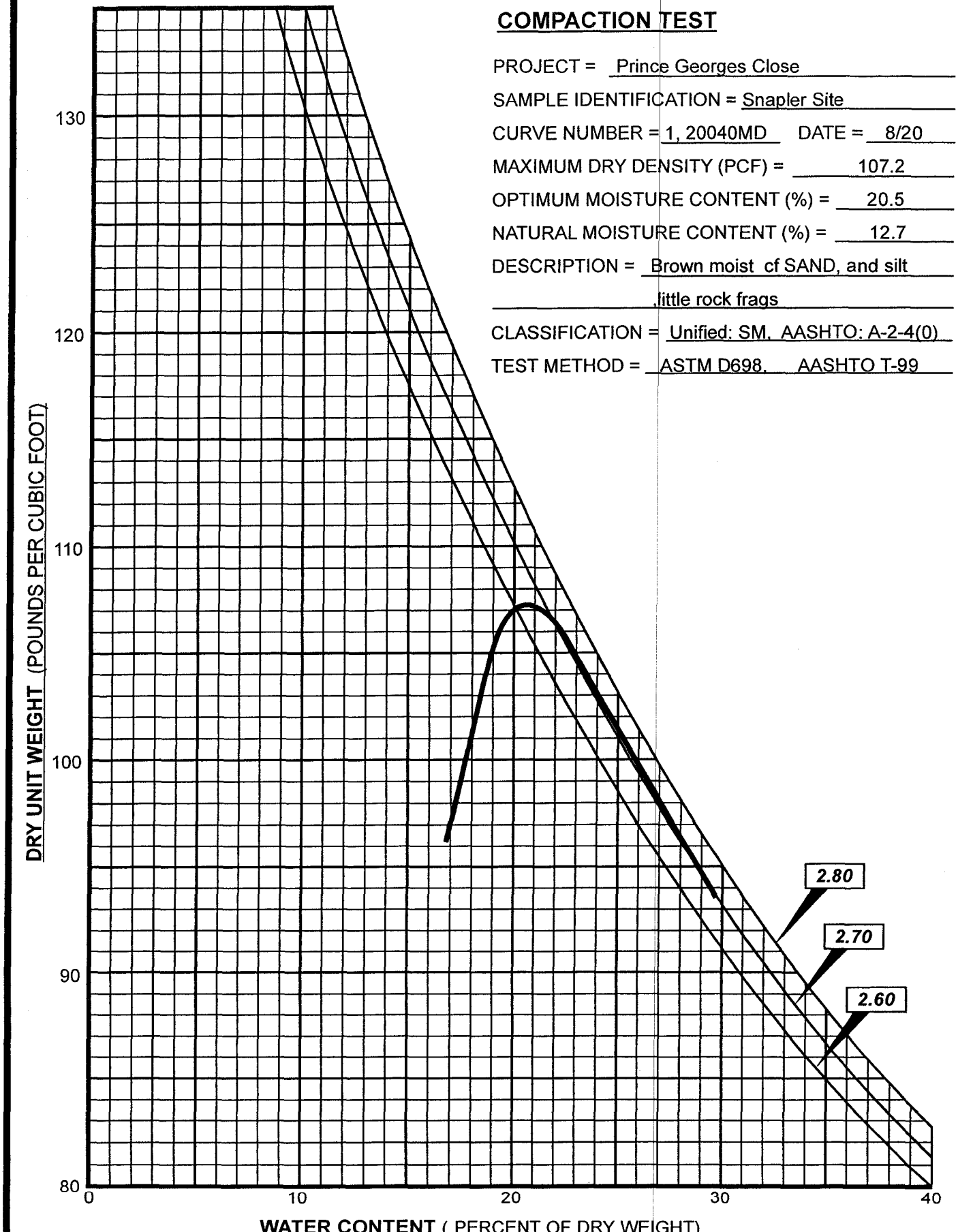
OPTIMUM MOISTURE CONTENT (%) = 20.5

NATURAL MOISTURE CONTENT (%) = 12.7

DESCRIPTION = Brown moist cf SAND, and silt ,little rock frags

CLASSIFICATION = Unified: SM, AASHTO: A-2-4(0)

TEST METHOD = ASTM D698, AASHTO T-99



COMPACTION TEST

PROJECT = Prince Georges Close

SAMPLE IDENTIFICATION = Stevenson Site

CURVE NUMBER = 2, 20040MD DATE = 8/20

MAXIMUM DRY DENSITY (PCF) = 112.4

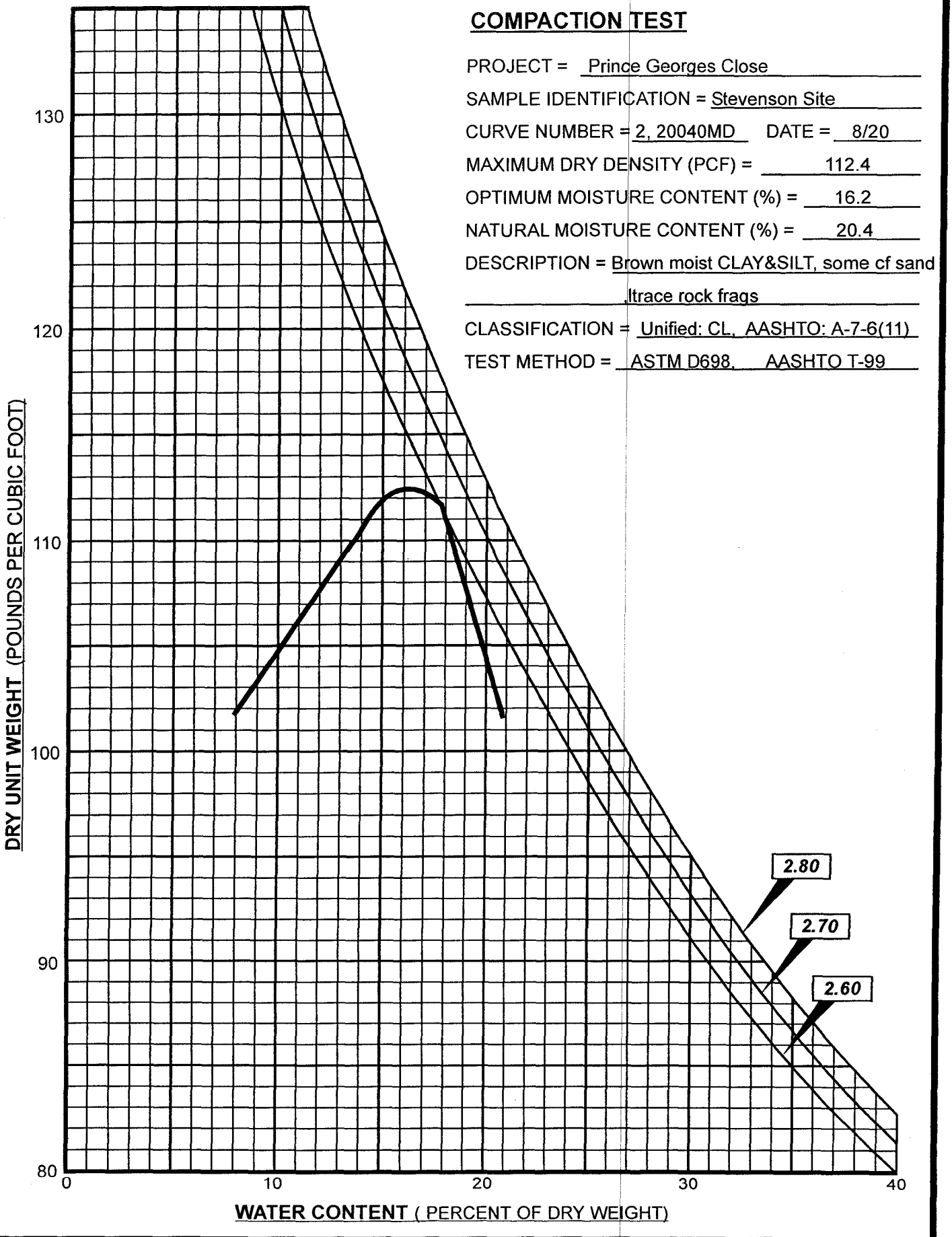
OPTIMUM MOISTURE CONTENT (%) = 16.2

NATURAL MOISTURE CONTENT (%) = 20.4

DESCRIPTION = Brown moist CLAY&SILT, some cf sand ,ltrace rock frags

CLASSIFICATION = Unified: CL, AASHTO: A-7-6(11)

TEST METHOD = ASTM D698, AASHTO T-99



COMPACTION TEST

PROJECT = Prince Georges Close

SAMPLE IDENTIFICATION = Taney Site

CURVE NUMBER = 3, 20040MD DATE = 8/20

MAXIMUM DRY DENSITY (PCF) = 126.4

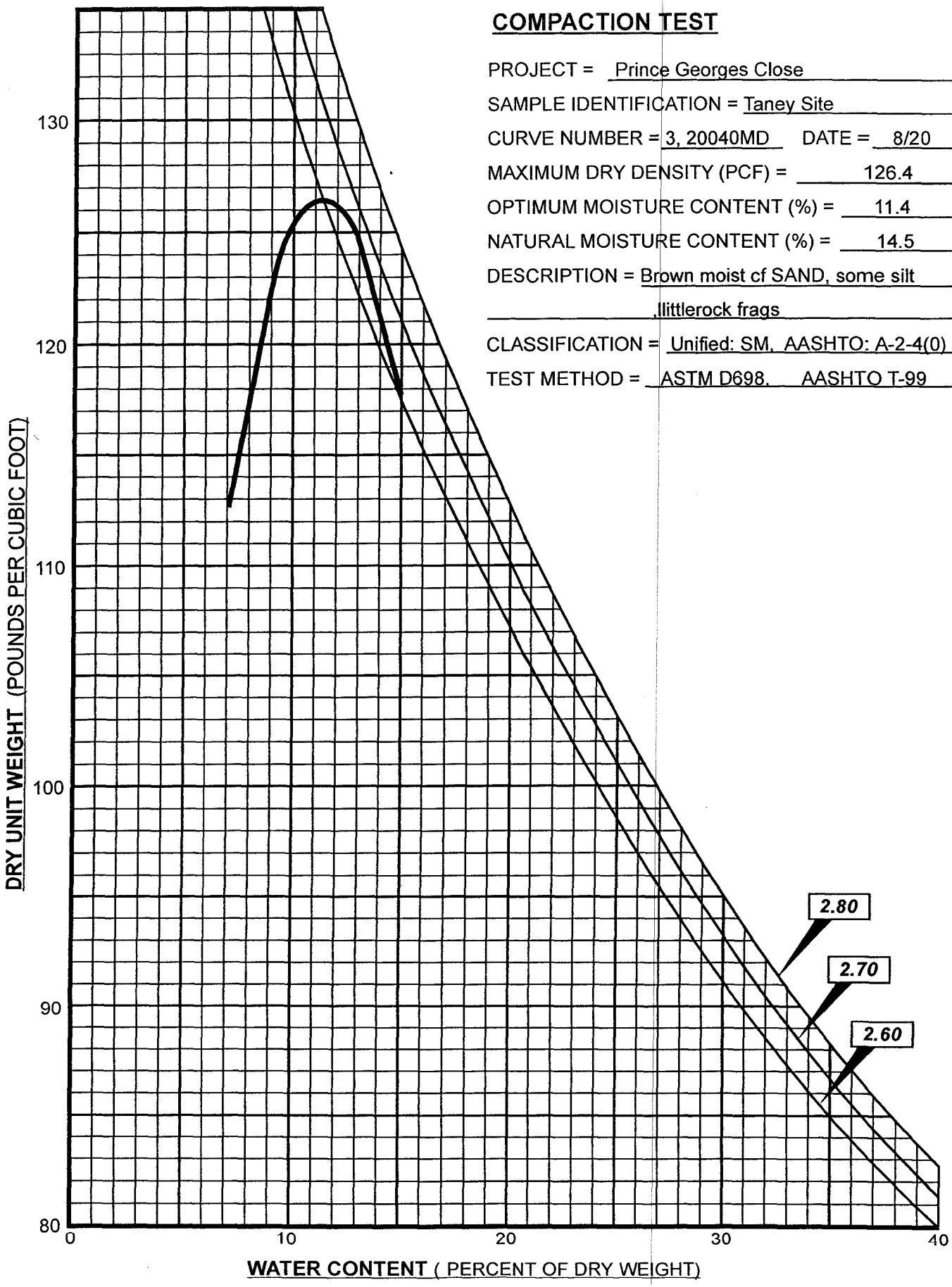
OPTIMUM MOISTURE CONTENT (%) = 11.4

NATURAL MOISTURE CONTENT (%) = 14.5

DESCRIPTION = Brown moist cf SAND, some silt ,llittlerock frags

CLASSIFICATION = Unified: SM, AASHTO: A-2-4(0)

TEST METHOD = ASTM D698, AASHTO T-99



HERBST/BENSON & ASSOCIATES
GEOTECHNICAL ENGINEERS

414 MAIN STREET
REISTERSTOWN, MARYLAND 21136
410-526-7200
FAX 410-526-7268

DAILY CONSTRUCTION REPORT

Project Midfield Contract No. _____

Contractor (or subcontractor) _____

Weather p. cloudy humid Temp. Min. 80 Max. 90

Tests made test pits

Samples sent to Laboratory 1 bulk

Equipment in use mini hoe

Summary of today's work

#1 0-1 fill red clay + silt area disturbed w/ gravel - no topsoil
1'-6' white clay + sand moist
6-7' some orange sand + gravel mixing in

DUG TEST PIT FOR SAMPLE OF POSSIBLE HAUL OFF FILL FROM BASEMENT CUT. LOCATION CHOSEN BY CLIENT - NO STAKEOUT

Time on Site

From 7:00 To 730

By Roy

Date of report M 8-10-26

HERBST/BENSON & ASSOCIATES
GEOTECHNICAL ENGINEERS

414 MAIN STREET
REISTERSTOWN, MARYLAND 21136
410-526-7200
FAX 410-526-7268

DAILY CONSTRUCTION REPORT

Project Tovey Rd Contract No. _____

Contractor (or subcontractor) _____

Weather p.cloudy Temp. Min. 80 Max. 90

Tests made test pits

Samples sent to Laboratory 2 bulk

Equipment in use mini hoe

Summary of today's work

3 TEST PITS DUG TO GET SAMPLES OF POSSIBLE BORROW TO HAUL OUT

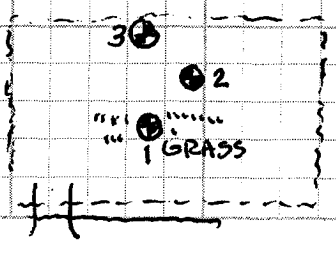
1 OLD WELL EXPOSED ON SITE - ADVISED Ben TO COVER THIS FOR NOW FOR PROTECTION!

OLD FILL IN BASEMENT OF PREVIOUS BUILDING WAS FOUND IN #2.

#1 PIT WAS DARK GRAY DEC. ROCK DUST FILL? SLAG FILL?

#3 PIT WAS NATIVE SOILS @ 5-6' Brown gray silt, some clay bands
6-7'

LOCATIONS CHOSEN BY CLIENT - NO STAKE OUT - AN EXISTING OLD HOUSE or SCHOOL WAS HERE AND HAS BEEN RAZED AND BACKFILLED IN THE PAST. OBVIOUS OLD FILL WITH SOME DEBRIS IN PIT #2



Time on Site

From 730 To 800

By Roy

Date of report M 8-10-20

HERBST/BENSON & ASSOCIATES
GEOTECHNICAL ENGINEERS

414 MAIN STREET
REISTERSTOWN, MARYLAND 21136
410-526-7200
FAX 410-526-7268

DAILY CONSTRUCTION REPORT

Project #1816 Stevenson Contract No. _____

Contractor (or subcontractor) _____

Weather _____ Temp. Min. _____ Max. _____

Tests made _____

Samples sent to Laboratory _____

Equipment in use _____

_____

Summary of today's work

DUG TEST PIT FOR SAMPLE OF POSSIBLE HAUL OUT BASEMENT CUT.

.5'-7.0' Gray clay, silt + sand, tr. rock @ 6-7'

LOCATIONS CHOSEN BY CLIENT. NO STAKEOUTS IN PLACE.

Time on Site

From 8:30 To 9:00

By Ray

Date of report M 8-10-20

HERBST/BENSON & ASSOCIATES
GEOTECHNICAL ENGINEERS

414 MAIN STREET
REISTERSTOWN, MARYLAND 21136
410-526-7200
FAX 410-526-7268

DAILY CONSTRUCTION REPORT

Project 1820 Stevenson Rd Contract No. _____

Contractor (or subcontractor) _____

Weather p. cloudy humid Temp. Min. 80 Max. 95

Tests made test pits

Samples sent to Laboratory _____

Equipment in use mini hoe

Summary of today's work

TEST PIT DUG FOR SAMPLES OF POSSIBLE BORROW TO BE HAULED OUT.

.5'-7.0' orange brown sand + silt, trace clay, gradual broken dec. rock @ 5'-7'

LOCATIONS CHOSEN BY CLIENT. NO STAKEOUT IN PLACE.

Time on Site

From 8:00 To 830

By Ray

Date of report 8-10-20

HERBST/BENSON & ASSOCIATES
GEOTECHNICAL ENGINEERS

414 MAIN STREET
REISTERSTOWN, MARYLAND 21136
410-526-7200
FAX 410-526-7268

DAILY CONSTRUCTION REPORT

Project 3805 Owings Mills Blvd (rear) Contract No. _____

Contractor (or subcontractor) _____

Weather _____ Temp. Min. 80 Max. 95

Tests made test pits

Samples sent to Laboratory _____

Equipment in use mini hoe

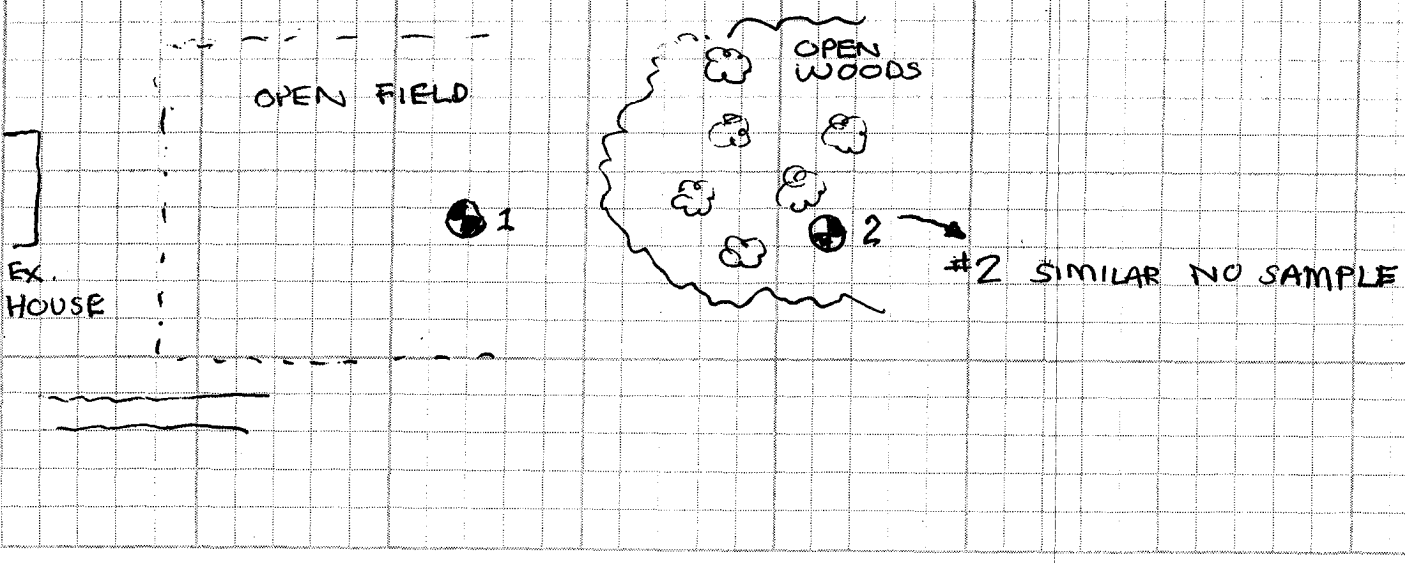
Summary of today's work (Shnapler Prop)

Liberty Rd just before Owings Mills just past Police Station go R, then 1st left

(#1) 0-1' Topsoil

1'-7' brown silt + cf sand, tr. clay + rock, little more rock @ 6'-7'

LOCATIONS CHOSEN BY CLIENT. NO STAKEOUTS IN PLACE.



Time on Site

From 9 To 10

By Ray

Date of report 8-20-20