

GILBERT ASSOCIATES, INC.
SOIL AND ROCK CLASSIFICATION SHEET

Kb 32-2

PROJECT: D.S.W.A. W.O. 06-7316-001 SITE AREA Sandtown
 CONTRACTOR: Delmarva Drilling Co. COORDINATES _____
 DRILLER: Allen Whitelock
 CLASSIFIED BY: DJS DATE: 8/22/79

SHEET 1 OF 3
 DRILL HOLE NO. C-2
 ELEVATION 45.7
 GWL 0 HRS _____
 24 HRS _____

Depth Ft.	Sample No.	SPT Blows/ 6 in.			Ft. Rec.	Profile	DESCRIPTION Density (or Consistency), Color Rock Or Soil Type - Accessories	U.S.C.S.	R.Q.D.	Soil Or Rock		REMARKS Chemical Comp, Geologic Data, Ground Water, Construction Problems, EL. 47.4
		6	12	18						Range Size	Grain Shape	
										Core	Rec.	
										Run	Core	
0						0-5 Tan fine to med. sand w/tr gravel.						
10						5-10 As above more fine gravel.						
20						10-20 Rust tan medium to coarse sand and fine gravel.						
30						20-32 As above w/less gravel from 25-32						
40						32-40 Dark grey to black clayey silt w/silty clay layers.						
50						40-50 As above w/shell frags. trace of fine grey sand.						
60						50-60 As above w/more shell frags.						
70						Dark grey medium to coarse sand w/fine quartz gravel and shell frags.						
80						As above						
90						As above						
100						90-100 Dark brown to grey clayey silt w/shell frags.						

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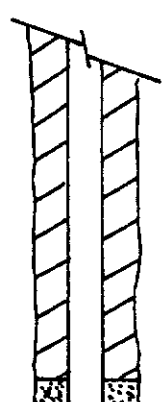
Kb 32-2

SHEET 2 OF 3
DRILL HOLE NO. C-2
ELEVATION 45.7
GWL 0 HRS _____
24 HRS _____

PROJECT: D.S.W.A. W.O. 06-7316-001 SITE AREA Sandtown
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		6	12	18						Range Size	Grain Shape			
													Core Run	Rec. Core
100														
110						100-110 Dark brown to greenish gray clayey silt w/silty clay layers & shell frags.								
120						110-120 As above								
130						120-130 As above - traces of fine sand								
140						135-140 Greenish grey silty fine sand w/shell frags. 140-150 As above slightly micaceous, w/shell zones causing difficult drilling.								
150						150-160 Greenish dark grey clayey silt w/some shell frags.								
160						163 Hard shell layer cut hard to 173 clay and shells								
170						Softer drilling								
180						173-194 Interlayered greenish gray silty fine sand & fine sandy silt w/traces of shell frags.								
190						Grey fine to medium sand w/shell frags.								
200														

Miocene
 FEDERALBURG
 Miocene
 CHESWOLD

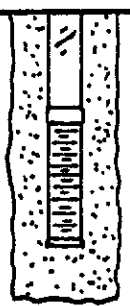


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SOIL AND ROCK CLASSIFICATION SHEET

K6 32-2

PROJECT: D.S.W.A. W.O. 06-7316-001 SITE AREA Sandtown
 CONTRACTOR: Delmarva Drilling Co. COORDINATES _____
 DRILLER: Allen Whitelock
 CLASSIFIED BY: DJS DATE: 8/22/79

SHEET 3 OF 3
 DRILL HOLE NO. C-2
 ELEVATION 45.7
 GWL 0 HRS _____
 24 HRS _____

Depth Ft.	Sample No.	S P T Blows/ 6 in.			Ft. Rec.	Profile	DESCRIPTION Density (or Consistency), Color Rock Or Soil Type - Accessories	U.S.C.S.	R.Q.D.	Soil Or Rock		REMARKS Chemical Comp, Geologic Data, Ground Water, Construction Problems, etc.
		6	12	18						Range	Grain	
										Size	Shape	
										Core	Rec.	
		Run	Core									
200						200-220 Brownish grey fine to medium sand w/shell fragments.						
210												
220												
						T.D. 220'						
						NOTES: 1. Top miocene 31' 2. Frederica 61'-88' 3. Federalsburg 136-146 4. Cheswold 168-214+ 5. Set 4" dia puc screen 208'-218'; No. 16 slot. 6. Gravel pack 198'-220', No. 2 gravel. 7. Develope 2:30 - 3:30 P.M. 8. Bentonite Seal 5'-198' 9. Set 6" dia steel protector casing 10. Cement grout 0-5' 11. Gamma log not working on 8/22 - finally run 8/28/79						