

# HOWARD COUNTY

Capital Project #D-1165

## Ellicott City Parking Lot E Soldier Pile Breakout Project

Storm Water Management Division  
Bureau Of Environmental Services

### INDEX OF SHEETS

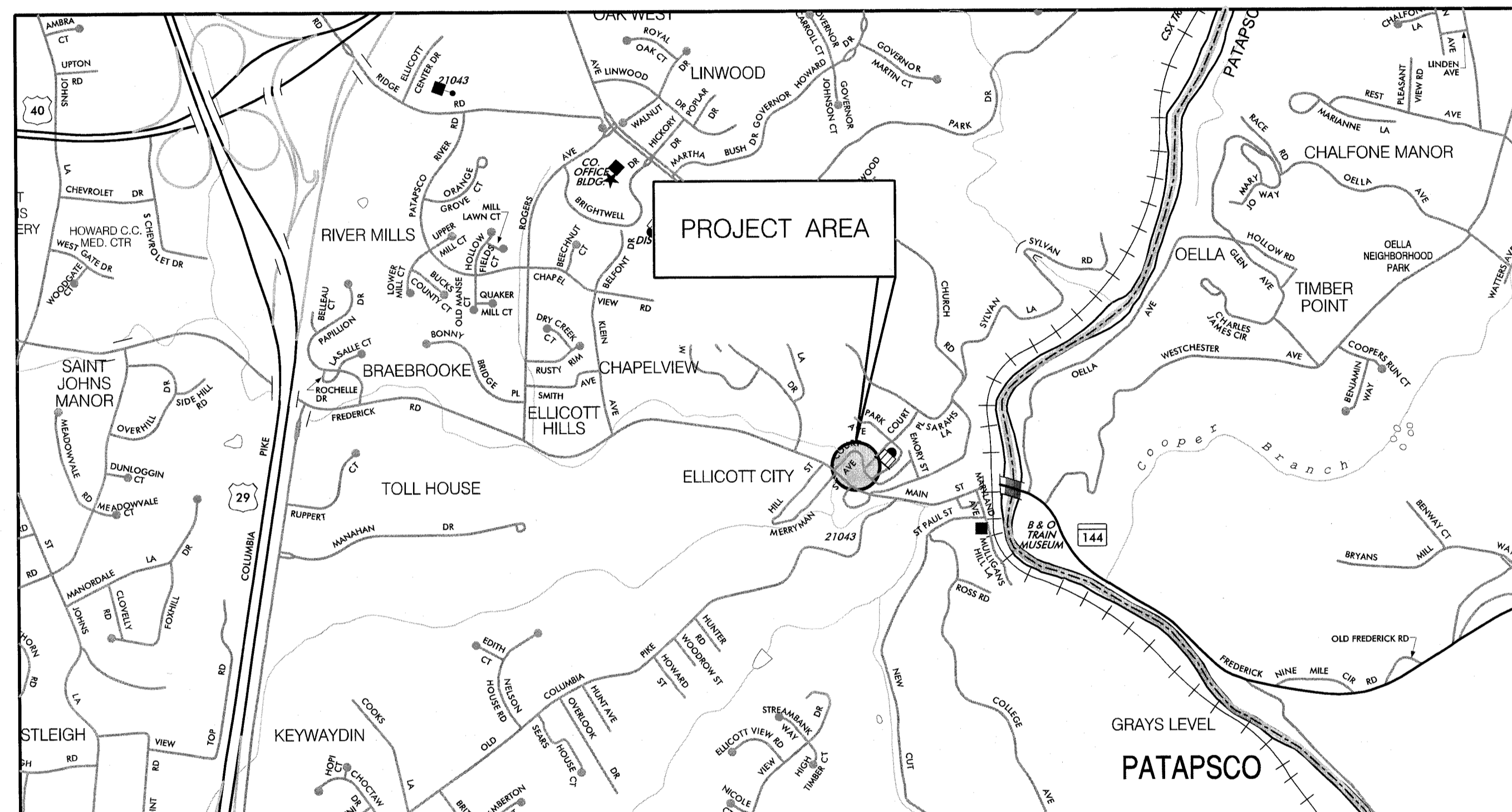
SHEET NO.	TITLE
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2	GEOMETRY SHEET
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4	SOLDIER PILE PROFILE, TYPICAL SECTION & DETAILS
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7	EROSION AND SEDIMENT CONTROL NOTES
8	EROSION AND SEDIMENT CONTROL PLAN
9	EROSION AND SEDIMENT CONTROL DETAILS

### GENERAL NOTES

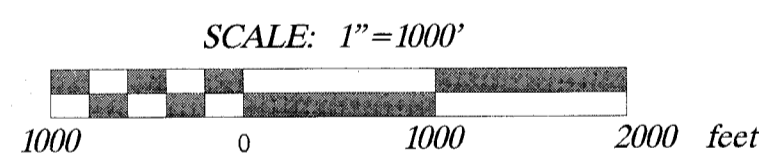
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY WORK BEING DONE.
- THIS PLAN IS PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS /BUREAU OF ENGINEERING CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AND BALTIMORE GAS & ELECTRIC (BGE) AT 410-470-6597 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. BENCHMARKS SHOWN HEREON WERE PROVIDED BY AB CONSULTANTS INC.
- OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND MCCORMICK TAYLOR DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY SUCH INFORMATION TO HIS OWN SATISFACTION.
- THE EXISTING INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM THE BEST AVAILABLE SOURCES AND SHALL BE VERIFIED BEFORE STARTING CONSTRUCTION. HOWARD COUNTY DOES NOT GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE SHOWN INFORMATION.
- THE CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY. ALL UNDERGROUND UTILITIES SHALL HAVE A CLEARANCE BY A MINIMUM OF 6 INCHES VERTICALLY AND A MINIMUM OF 5 FEET HORIZONTALLY.
- EQUIPMENT SHALL ALLOW FOR AT LEAST 10' CLEARANCE FROM ALL LIVE OVERHEAD POWER LINES AS IDENTIFIED IN THE PRECONSTRUCTION MEETING WITH BGE.
- SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY MCCORMICK TAYLOR IMMEDIATELY TO RESOLVE THE SITUATION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- AS OF JANUARY 17, 2014, THE PLANNING DIRECTOR APPROVED THE REQUEST FOR WAIVERS TO SECTION 16.155(A)(L)(II) REQUIRING SUBMISSION OF A SITE DEVELOPMENT PLAN FOR NON-RESIDENTIAL CONSTRUCTION AND SECTION 16.115(C) PROHIBITING DISTURBANCE IN THE 100 YEAR FLOODPLAIN FOR RECONSTRUCTION OF A RETAINING WALL ALONG THE EASTERN PERIMETER OF AN EXISTING PARKING LOT AND FOR A SERIES OF SIX RETAINING WALLS CONSTRUCTED IN CONJUNCTION WITH A PROPOSED STAIRCASE FROM THE EASTERN PORTION OF ADJOINING PARCEL 188 TO COURT AVENUE. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
  - ACQUISITION OF ADJOINING PARCEL 188 BY HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REAL ESTATE SERVICES DIVISION SHALL BE REQUIRED. ALL COMMENTS MUST BE COMPLETED WITHIN FROM THE REAL ESTATE SERVICES DIVISION AS APPLICABLE. PARCEL 188 SHALL BE MAINTAINED AS A SEPARATE PARCEL FROM LOT NO. 4 (PARCEL 181). MERGER OF PARCEL 188 INTO LOT 4 (PARCEL 181) WILL REQUIRE A PLAT OF RESUBDIVISION FOR PLAT NO. 11559 THE TALBOTT LUMBER COMPANY.
  - THE APPLICANT SHALL OBTAIN APPROVAL FROM THE HISTORIC DISTRICT COMMISSION AND SHALL COMPLY WITH ANY CONDITIONS OF APPROVAL.
  - ALL REQUIRED MARYLAND DEPARTMENT OF THE ENVIRONMENT PERMITS FOR WORK WITHIN THE 100 YEAR FLOODPLAIN SHALL BE OBTAINED AS APPLICABLE BY THE APPLICANT AND REFERENCED ON FUTURE PERMITS.
  - THE APPLICANT SHALL OBTAIN GRADING AND OR BUILDING PERMITS WITH THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AND SHALL COMPLY WITH ANY COMMENTS FROM THAT REVIEWING AGENCY AS APPLICABLE.
  - SUBJECT TO COMPLIANCE WITH THE COMMENTS DATED JANUARY 13, 2014 FROM THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS (DILP) REGARDING HANDICAPPED ACCESS FOR THE PROJECT, THE APPLICANT SHALL ADDRESS THESE COMMENTS DIRECTLY WITH DILP AND PRIOR TO APPLICATION OF THE BUILDING GRADING PERMITS.

### LEGEND

PROPOSED MEDIAN BARRIER	
ELECTRICAL HAND BOX - SIGNALS	
FLOW LINE	
STATE, COUNTY OR CITY LINES	
PROPOSED TRAFFIC BARRIER	
EXISTING TRAFFIC BARRIER	
PROPOSED FENCE LINE	
EXISTING FENCE LINE	
RIGHT OF WAY LINE	
EXISTING ROADWAY	
BASE OR SURVEY LINE	
TRAVERSE POINT	
APPROXIMATE LIMITS OF CUT AND/OR FILL	
PROPOSED MAJOR CONTOUR	
PROPOSED MINOR CONTOUR	
LIMIT OF DISTURBANCE	
EXISTING MAJOR CONTOURS	
EXISTING MINOR CONTOURS	
EXISTING PIPE/CULVERT	
EXISTING DROP INLET	
WETLAND	
HEDGE /TREE LINE	
BUSH /TREE	
CONIFEROUS TREE	
LIGHT POLE	



HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88



### PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 32020, EXPIRATION DATE: 6/20/2015

### DESIGN CERTIFICATION

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

### OWNER'S/DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

### REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*John R. Robertson*  
HOWARD SOIL CONSERVATION DISTRICT

3/27/14  
DATE

324-14  
DATE

*Chris J. Brooks*  
DESIGNER'S SIGNATURE

3/24/14  
DATE

*Mark S. Richmond*  
OWNER'S/DEVELOPER'S SIGNATURE

MARYLAND REGISTRATION NUMBER 25819

CHRIS J. BROOKS  
PRINTED NAME

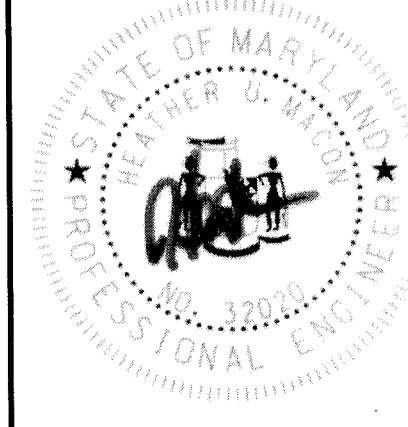
*Mark S. Richmond, Chief, Storm Division*  
PRINTED NAME AND TITLE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John R. Robertson* 3/25/14  
DIRECTOR OF PUBLIC WORKS DATE  
*Mark S. Richmond* 3/29/14  
CHIEF, STORMWATER MANAGEMENT DIVISION DATE

**MCCORMICK TAYLOR**  
509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND  
Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444



DESIGNER	BY	NO.	REVISION	DATE
DES: BW				
DRN: CY				
CHK: HM				
DATE: 1/29/14				

ELLICOTT CITY PARKING LOT E  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
SOLDIER PILE BREAKOUT PROJECT

TITLE SHEET

SCALE  
AS SHOWN

SHEET

1 OF 09

TRAV. PT. 100

TRAV. PT. 101

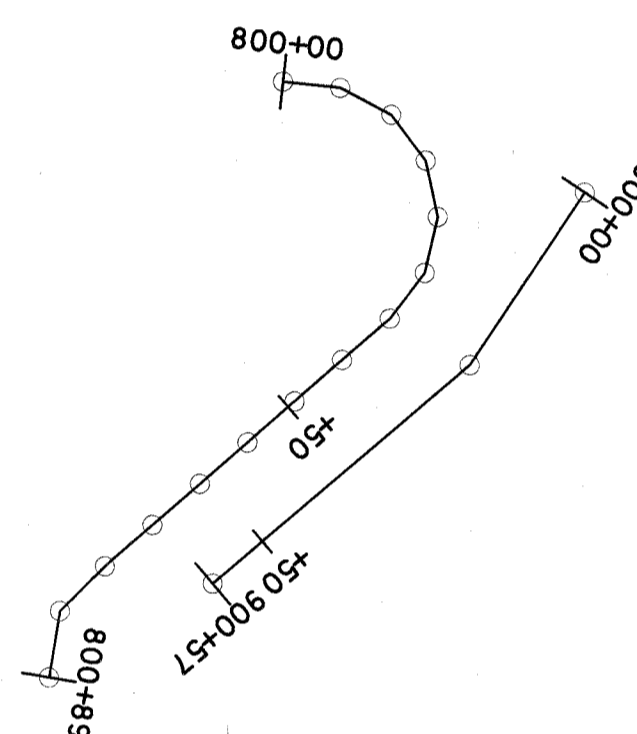
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VRS

TRAV. PT. 104

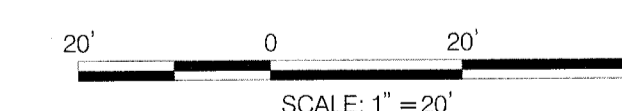
TRAV. PT. 102

SURVEY CONTROL			
TRAVERSE POINT	ELEVATION	NORTHING	EASTING
100	180.22	583325.5785	1368941.1577
101	193.07	583542.3712	1369134.5284
102	202.52	583494.5989	1369221.3330
103	178.30	583233.9465	1369041.2448
104	178.96	583358.6712	1369123.5709

CAISSON BREAKOUT						
BL CONSTRUCTION	POINT	NORTHING	EASTING	STATION	BEARING AH	RADIUS
B-CAISSON	POB	583395.6357	1369166.1080	800+00.00	N 46°34'37.01" E	
	PI	583399.7600	1369170.4657	800+06.00	N 68°18'14.83" E	
	PI	583401.9780	1369176.0407	800+12.00	S 86°38'44.15" E	
	PI	583401.6270	1369182.0304	800+18.00	S 61°35'43.13" E	
	PI	583398.7728	1369187.3081	800+24.00	S 36°32'42.11" E	
	PI	583393.9525	1369190.8808	800+30.00	S 11°31'38.25" E	
	PI	583388.0735	1369192.0798	800+36.00	S 0°32'15.15" E	
	PI	583381.5138	1369192.1414	800+42.56	S 0°32'18.01" E	
	PI	583374.9541	1369192.2030	800+49.12	S 0°32'18.01" E	
	PI	583368.3944	1369192.2646	800+55.68	S 0°32'18.01" E	
	PI	583361.8346	1369192.3263	800+62.24	S 0°32'18.01" E	
	PI	583355.2749	1369192.3879	800+68.80	S 0°32'18.01" E	
	PI	583348.7152	1369192.4495	800+75.36	S 4°10'31.89" E	
PI	583342.1392	1369192.9296	800+81.95	S 40°08'05.64" E		
	POE	583336.7875	1369197.4418	800+88.95		
G-CAISSON	POB =	583412.1053	1369195.3113	900+00.00	S 15°44'16.71" E	
	PI =	583391.3005	1369201.1742	900+21.62	S 0°07'29.59" W	
	POE =	583356.1074	1369201.0974	900+56.81		



GEOMETRIC LAYOUT PLAN  
SCALE: 1" = 20'



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND



509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400



Storm Water Management Division  
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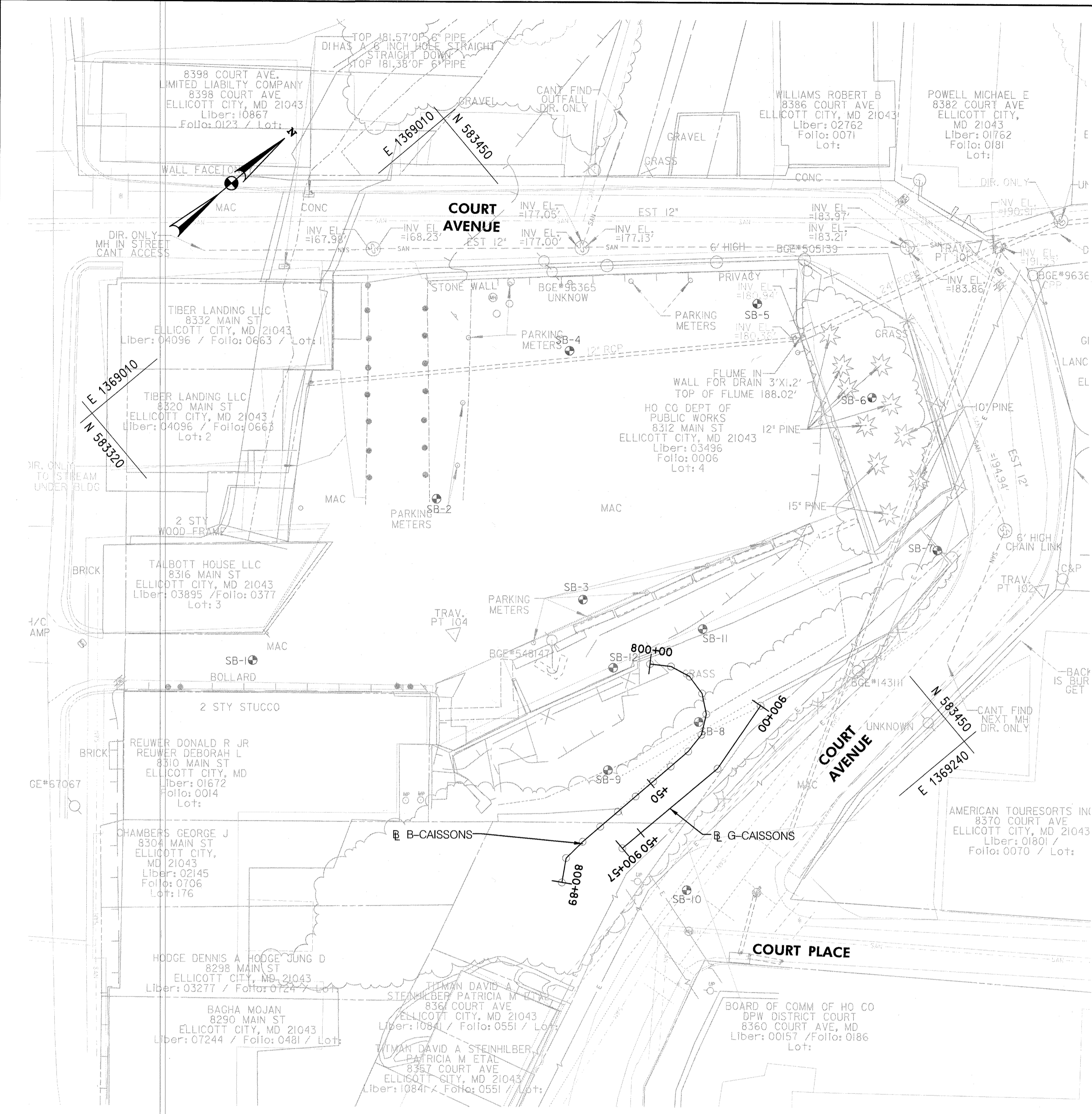
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DRN: CY					
CHK: HM					
DATE: 1/29/14	BY	NO.	REVISION	DATE	

ELLCOTT CITY PARKING LOT E  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
SOLDIER PILE BREAKOUT PROJECT  
**GEOMETRY SHEET**

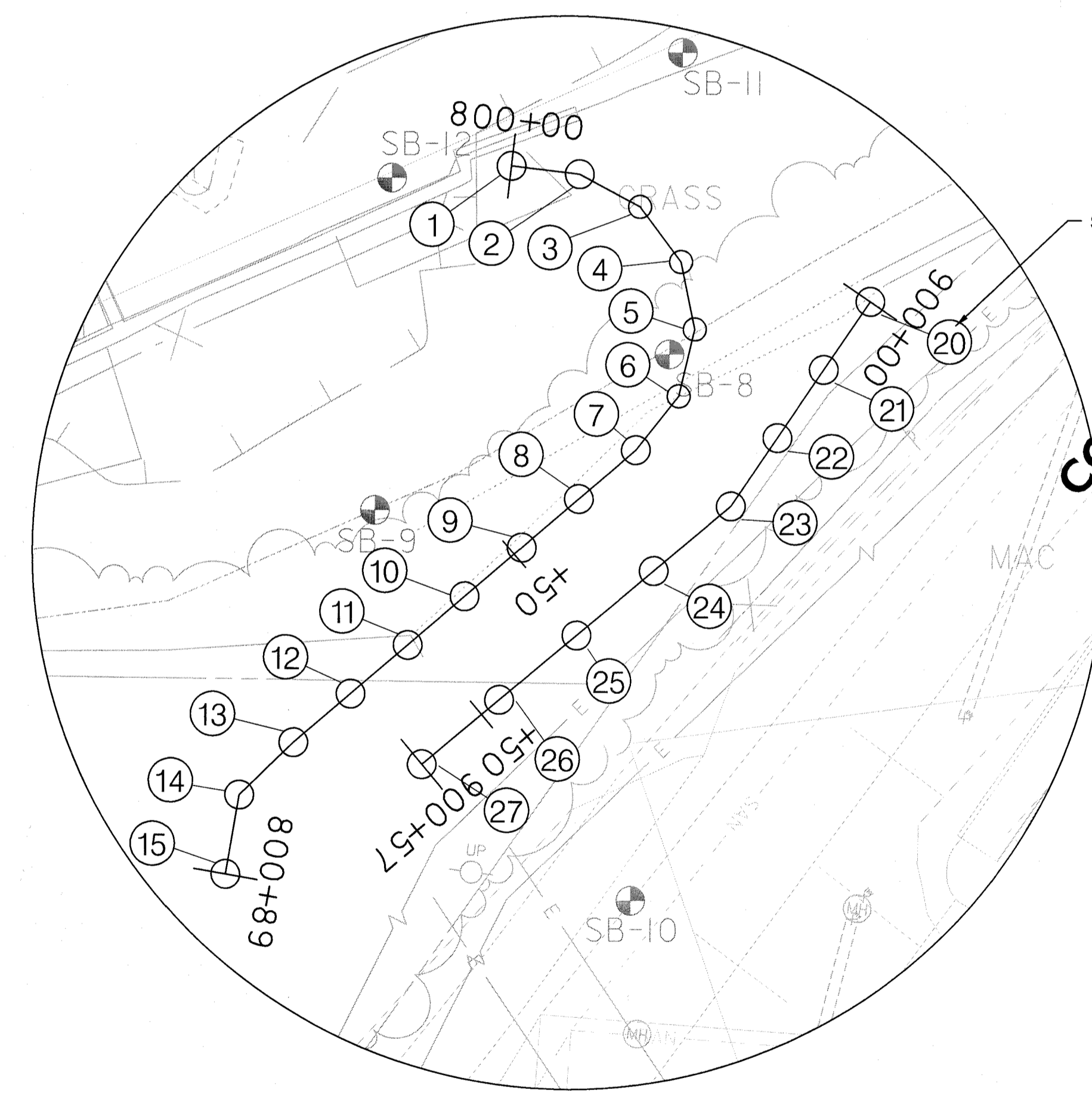
SCALE  
1" = 20'  
SHEET  
02 OF 09

*[Signature]*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES  
DATE: 4/10/14

SOLDIER PILE SCHEDULE						
SOLDIER PILE	STATION	TOP OF STEEL POST ELEVATION	TOP OF DRILLED SHAFT ELEVATION	BOTTOM OF STEEL POST & DRILLED SHAFT ELEVATION	STEEL POST	DRILLED SHAFT DIAMETER
1	800+00.00	193.99	177.00	153.00	W14x120	2'-6"
2	800+06.00	185.78	177.00	153.00	W14x120	2'-6"
3	800+12.00	188.41	180.50	171.50	W14x82	2'-0"
4	800+18.00	190.80	180.50	171.50	W14x82	2'-0"
5	800+24.00	192.09	180.50	171.50	W14x82	2'-0"
6	800+30.00	193.05	180.50	171.50	W14x82	2'-0"
7	800+36.00	193.78	180.50	171.50	W14x120	2'-6"
8	800+42.56	194.46	180.50	167.50	W14x257	2'-6"
9	800+49.12	197.52	180.50	167.50	W14x257	2'-6"
10	800+55.68	199.15	180.50	167.50	W14x257	2'-6"
11	800+62.24	201.50	188.00	175.00	W14x257	2'-6"
12	800+68.80	203.50	188.00	175.00	W14x257	2'-6"
13	800+75.36	203.50	188.00	175.00	W14x257	2'-6"
14	800+81.95	203.50	188.00	175.00	W14x257	2'-6"
15	800+88.95	203.50	188.00	175.00	W14x257	2'-6"
20	900+00.00	199.25	190.00	180.00	W14x120	2'-6"
21	900+07.21	201.75	190.00	180.00	W14x120	2'-6"
22	900+14.41	204.25	190.00	180.00	W14x120	2'-6"
23	900+21.62	205.50	190.00	180.00	W14x257	2'-6"
24	900+30.41	205.50	195.00	179.00	W14x257	2'-6"
25	900+39.21	205.50	195.00	179.00	W14x257	2'-6"
26	900+48.01	205.50	195.00	179.00	W14x257	2'-6"
27	900+56.81	205.50	195.00	179.00	W14x257	2'-6"



SITE PLAN  
SCALE: 1" = 20'



SOLDIER PILE LAYOUT PLAN  
SCALE: 1" = 10'

LEGEND	
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPERTY LINE
---	EXISTING SANITARY SEWER
---	LIMIT OF DISTURBANCE
---	100 YEAR FLOODPLAIN
⊕	SOIL BORING
⊕	EXISTING SANITARY SEWER MANHOLE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Mark D. ...*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

4/10/14  
DATE

**McCORMICK TAYLOR**  
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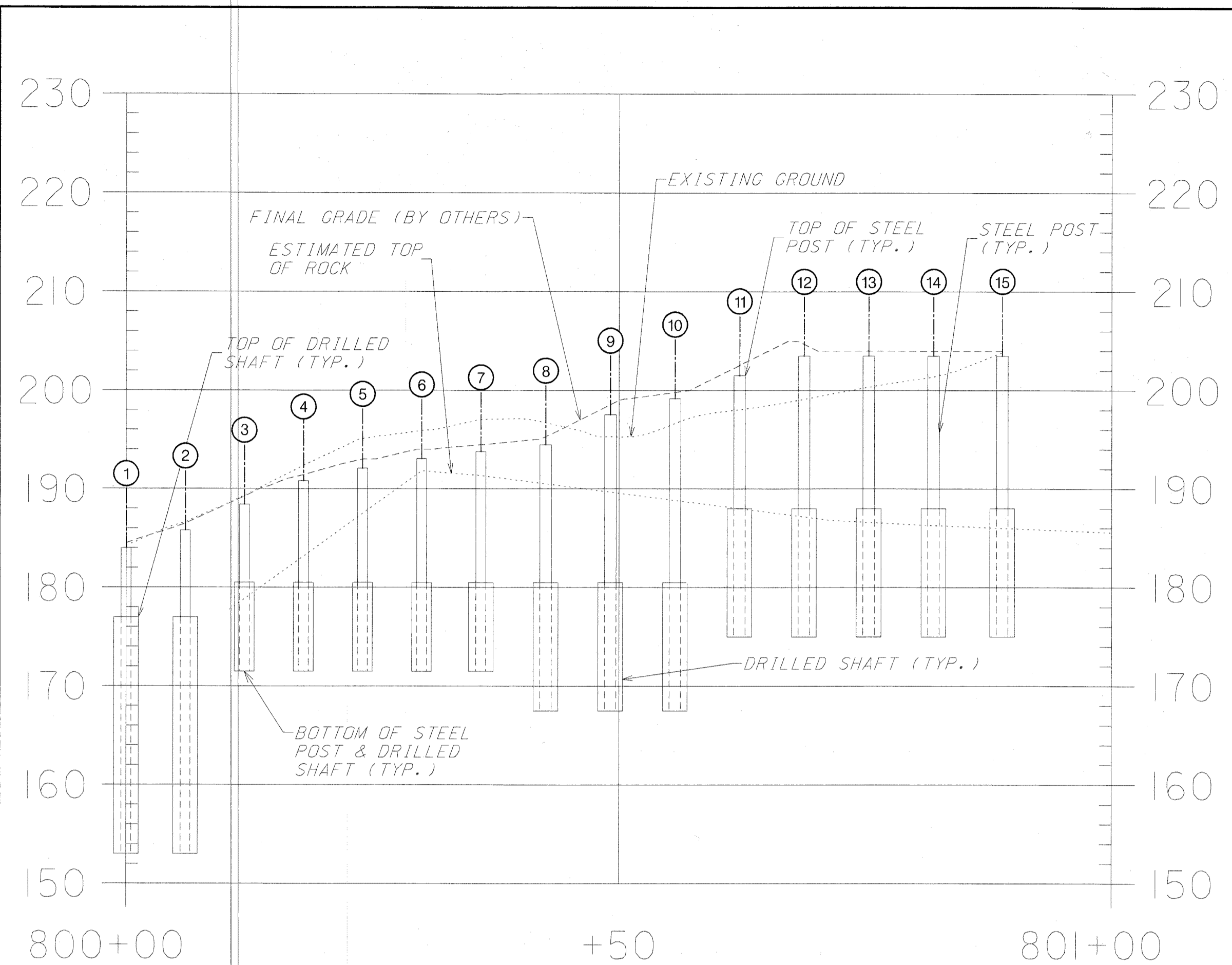
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BY	NO.	REVISION	DATE		

ELLICOTT CITY PARKING LOT E  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
SOLDIER PILE BREAKOUT PROJECT

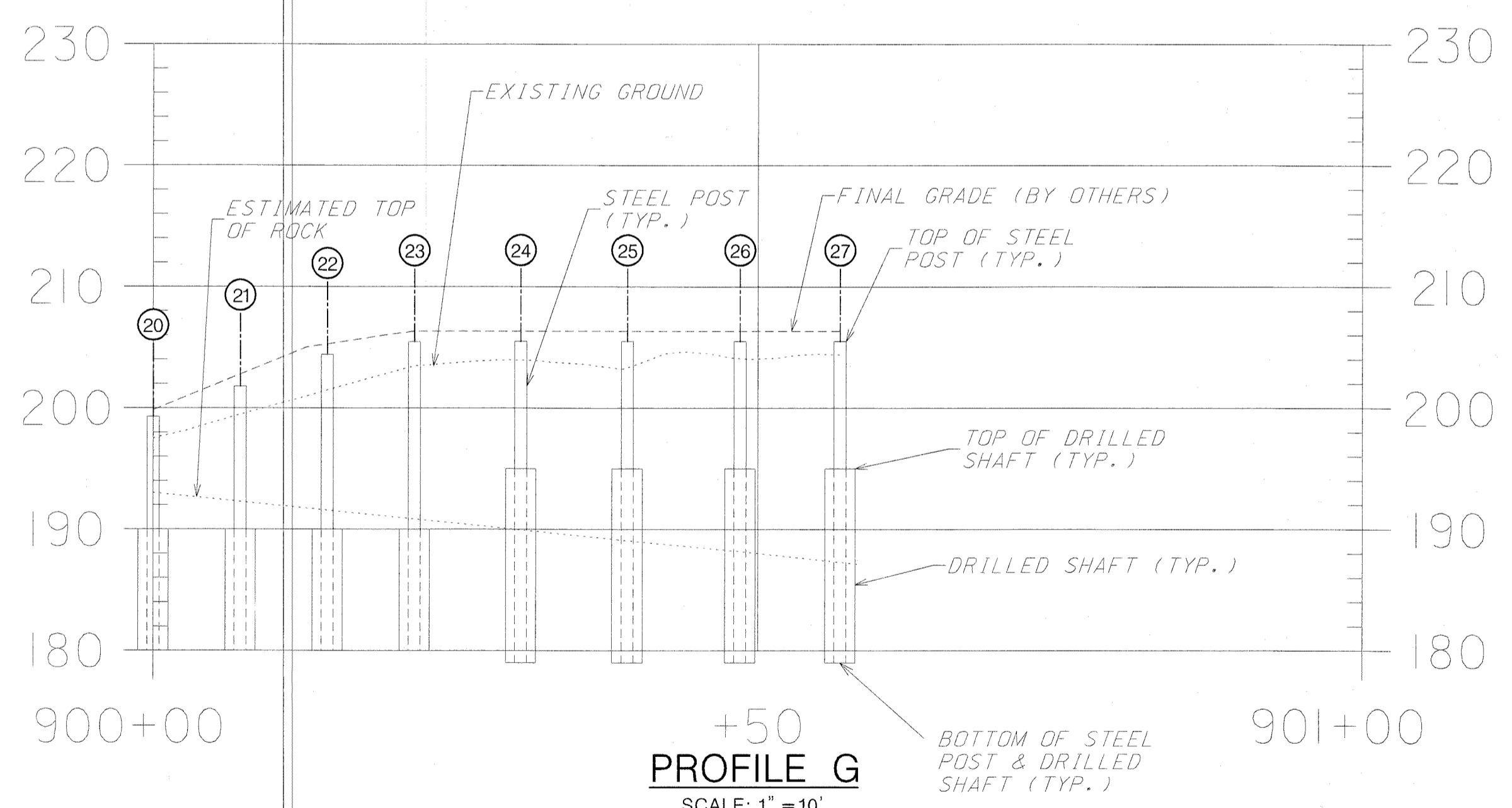
**SITE PLAN**

SCALE  
1" = 20'

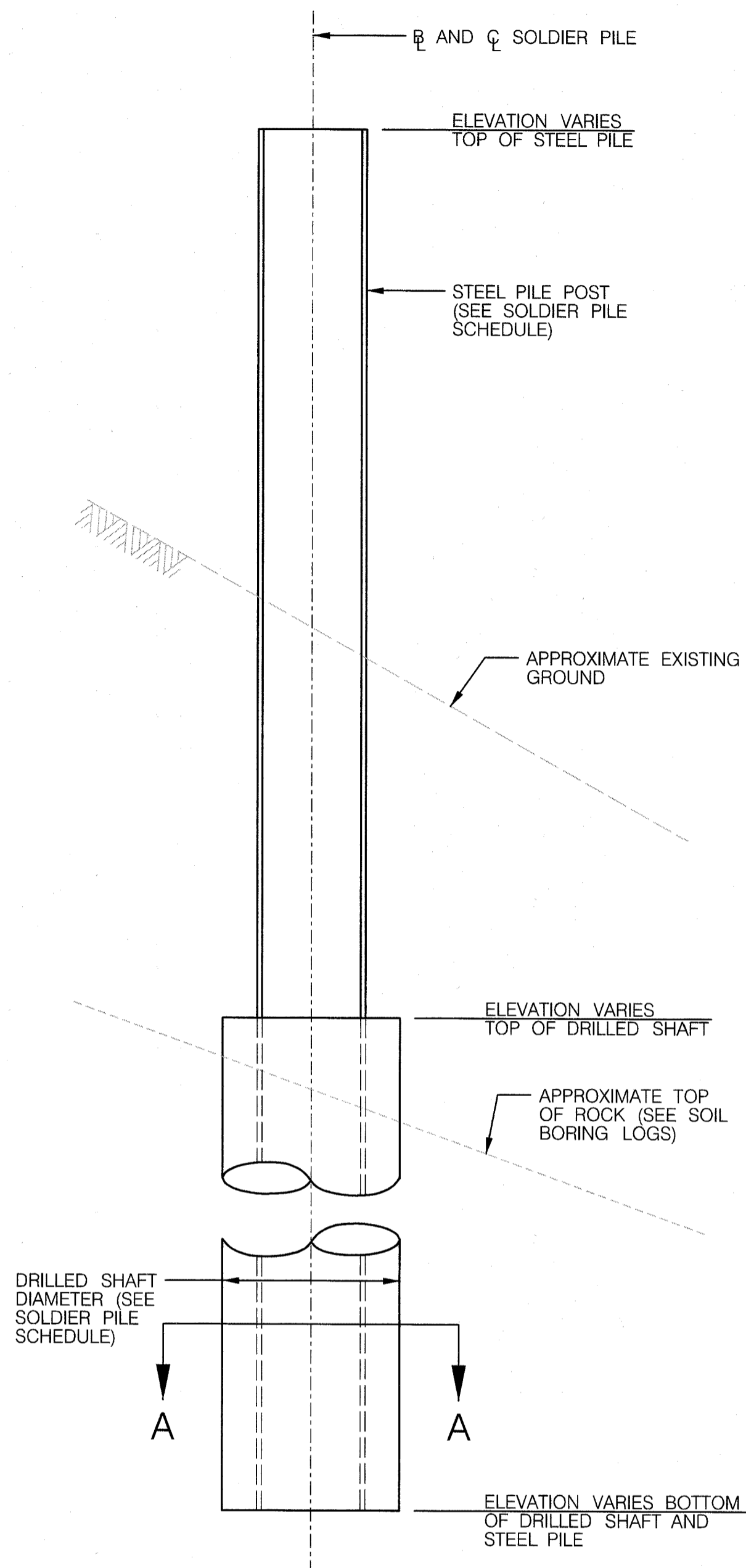
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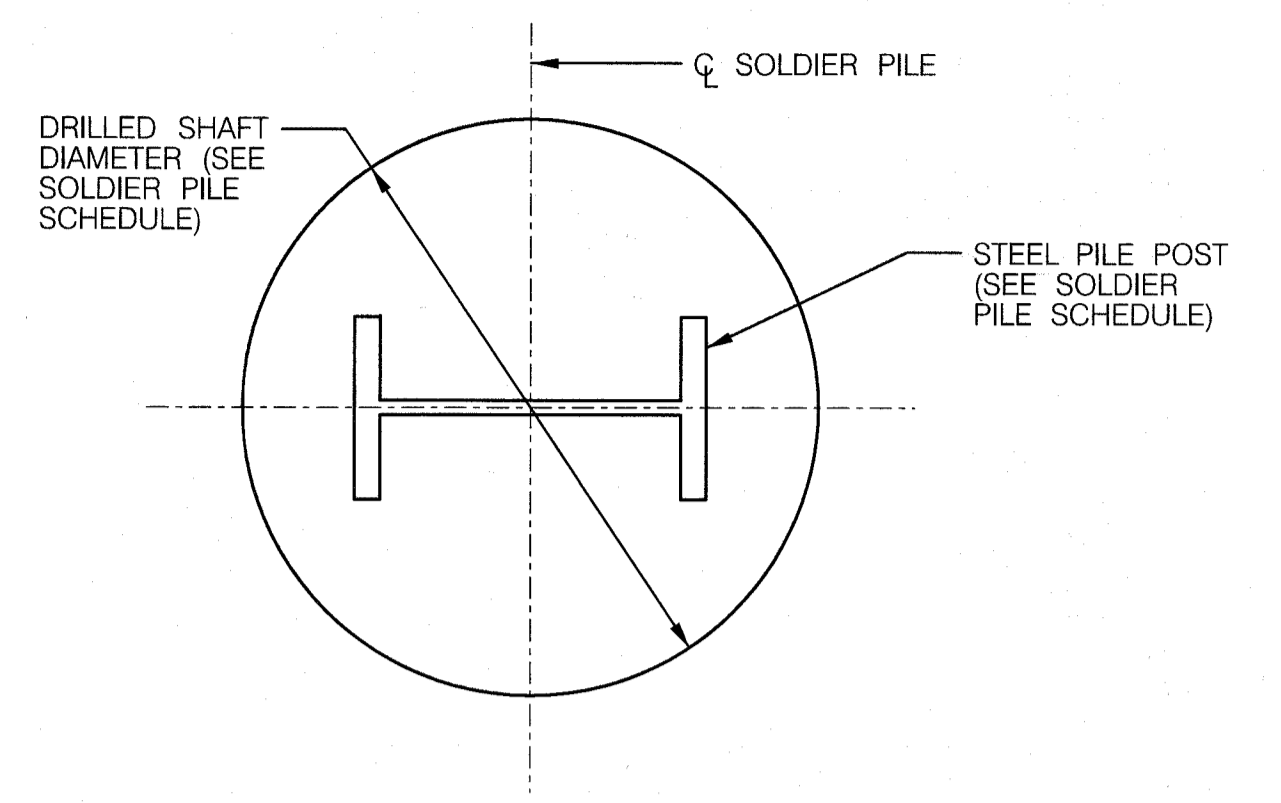
**PROFILE B**  
SCALE: 1" = 10'



**PROFILE G**  
SCALE: 1" = 10'



**SOLDIER PILE TYPICAL SECTION**  
SCALE: 1" = 10'



**DRILLED SHAFT SECTION A-A**  
SCALE: 1" = 5'

**GENERAL NOTES:**  
**SPECIFICATIONS**  
 STATE HIGHWAY ADMINISTRATION'S SPECIFICATION ENTITLED "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS" DATED JULY 2008  
**DESIGN**  
 STRUCTURAL STEEL DESIGN: LRFD DESIGN METHOD  
 STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 GRADE 50  
**CONCRETE**  
 ALL CONCRETE FOR DRILLED SHAFTS SHALL BE MIX NO. 3 (3500 PSI)  
**STRUCTURAL STEEL POSTS**  
 THE HEIGHTS OF THE POSTS SHALL VARY AS SHOWN ON THE PLANS. SPACING OF THE POSTS SHALL BE AS SHOWN ON THE PLANS. POSTS SHALL BE ERECTED PLUMB.  
**EXISTING STRUCTURES**  
 CONTRACTOR SHALL BE CAREFUL NOT TO DAMAGE THE EXISTING STONE MASONRY WALLS ON THE PROJECT SITE. ANY DAMAGE TO THE EXISTING STONE WALLS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

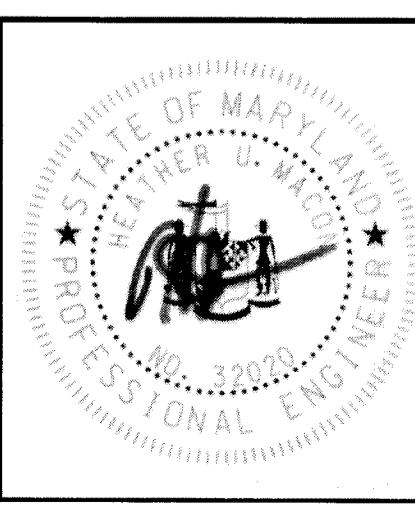
**CONSTRUCTION NOTES:**  
 1. AS THE FIRST ORDER OF WORK, THE CONTRACTOR SHALL VERIFY, LOCATE AND MARK BY STAKING THE LOCATION OF ALL UTILITIES THAT ARE TO REMAIN IN PLACE DURING THE CONSTRUCTION OF THE SOLDIER PILES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO PROTECT THESE UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THE SOLDIER PILES. THE CONTRACTOR SHALL THEN LAY OUT THE DRILLED SHAFTS; ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.  
 2. ALL DRILLED SHAFTS SHALL BE DRILLED TO THE DEPTH SPECIFIED IN THE DRILLED SHAFT SCHEDULE. SEE SPECIAL PROVISIONS FOR SPECIAL SITUATIONS WHERE THE DRILLED SHAFT DEPTHS MAY NEED TO BE MODIFIED IN THE FIELD.  
 3. THE CONTRACTOR SHALL NOTE THAT THIS PROJECT IS LOCATED IN A GEOLOGIC AREA WHERE COBBLES, BOULDERS, AND ROCK WILL BE PRESENT AND MUST TAKE THIS INTO ACCOUNT WHEN ESTABLISHING HIS BID PRICES.  
 4. DRILLED SHAFTS SPACED 6FT APART ON CENTER SHALL NOT BE DRILLED AND INSTALLED IN THE CONSECUTIVE ORDER SHOWN ON THE PLANS. THE DRILLED SHAFTS SHALL BE INSTALLED USING AN EVERY-OTHER-DRILLED SHAFT METHOD IN ORDER TO MINIMIZE SOIL-PILE INTERFERENCE DURING DRILLING OF CONSECUTIVE DRILLED SHAFTS. (E.G.; INSTALL DRILLED SHAFTS 1, 3, 5, ETC. THEN COME BACK AND INSTALL DRILLED SHAFTS 2, 4, 6, ETC.)  
 5. A QUALIFIED GEOTECHNICAL ENGINEER SHALL BE USED FOR THE INSPECTION AND TESTING FOR THE INSTALLATION OF THE DRILLED SHAFTS.

**NOTE:**  
 1. FOR DRILLED SHAFT & POST ELEVATIONS, STEEL POST SIZES, DRILLED SHAFT DIAMETERS AND CAISSON STATIONS SEE SOLDIER PILE SCHEDULE ON SHEET 3.

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 [Signature]  
 CHIEF, BUREAU OF ENVIRONMENTAL SERVICES  
 DATE: 4/10/14

**McCORMICK TAYLOR**  
 509 South Exeter Street  
 4th Floor  
 Baltimore, Maryland 21202  
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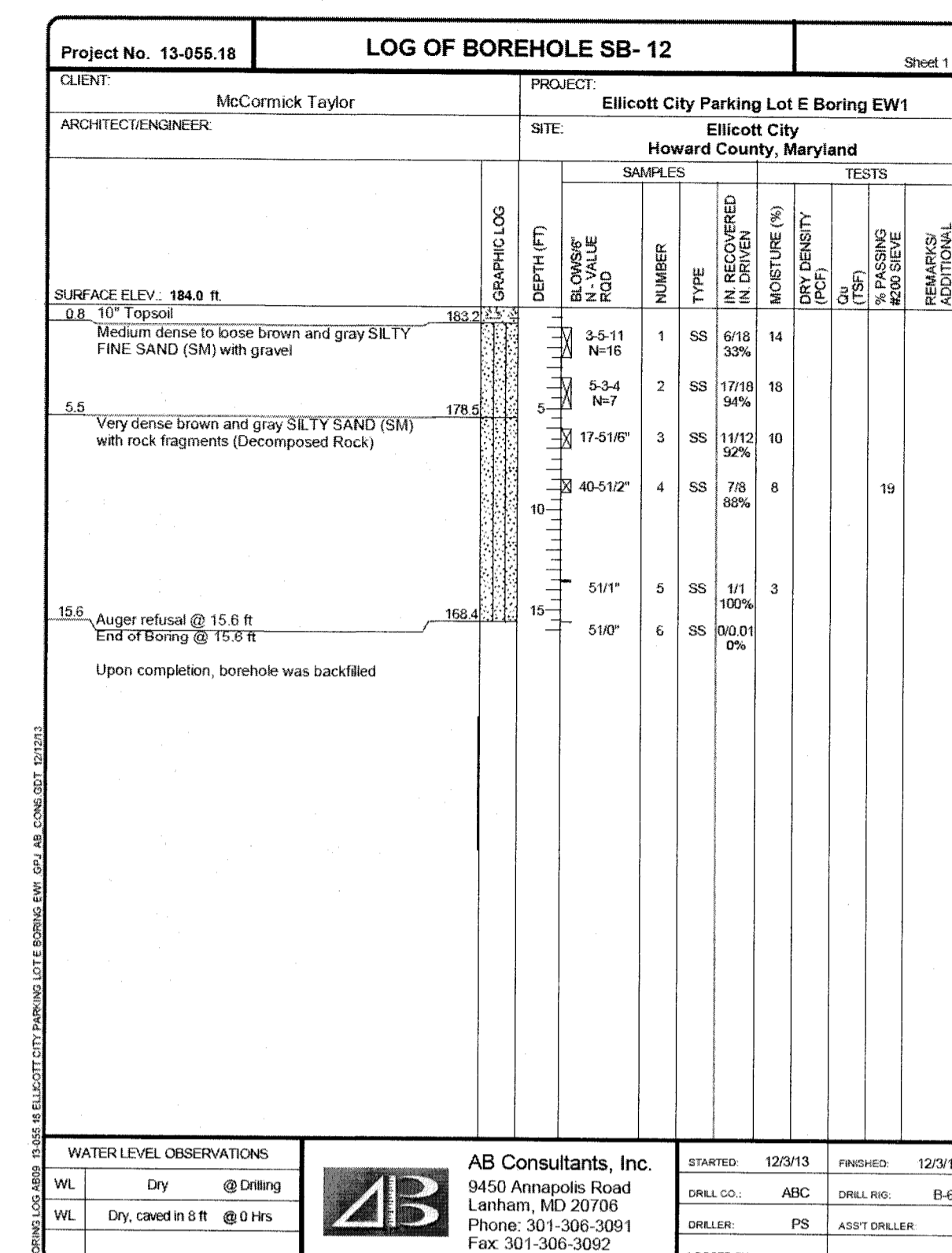
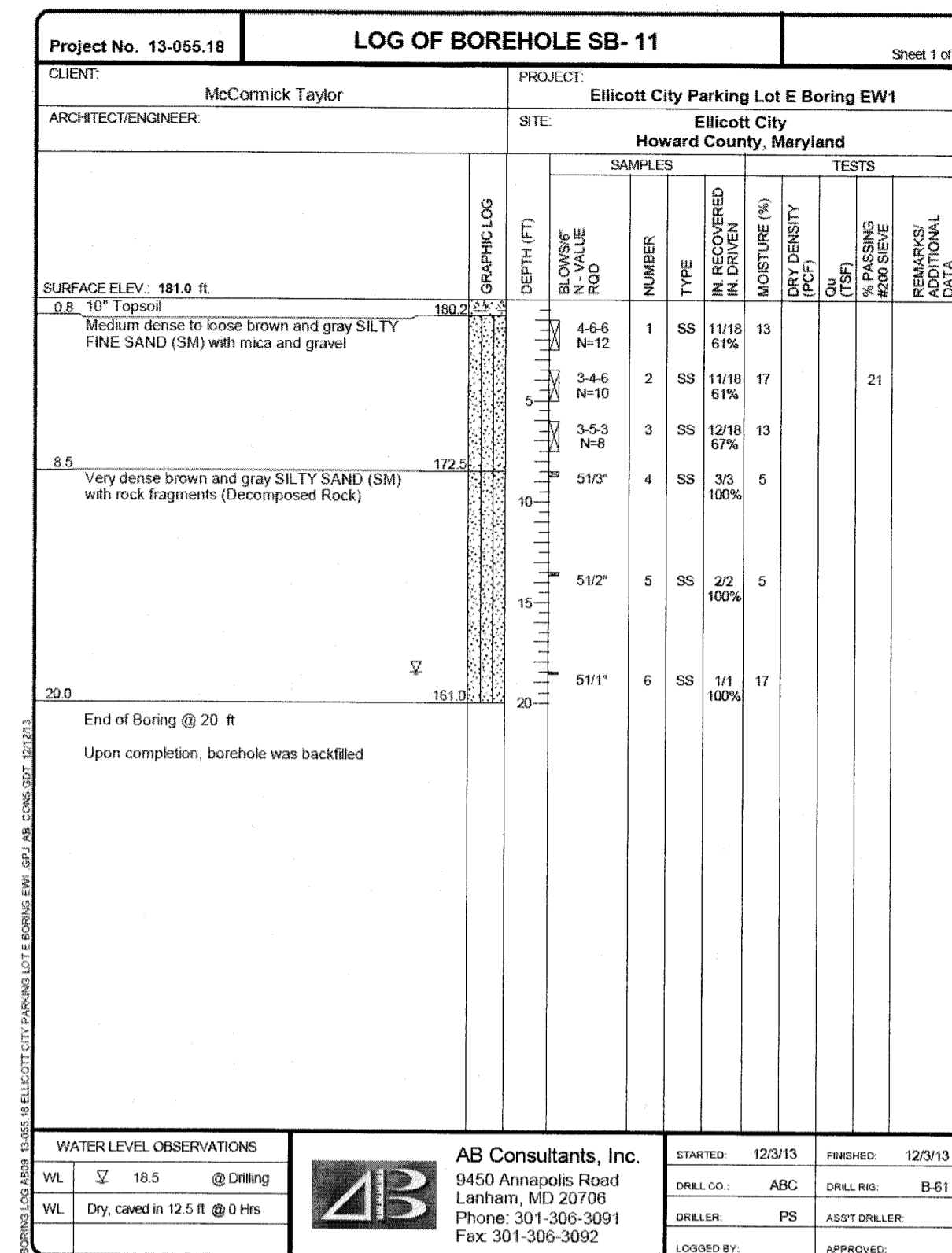
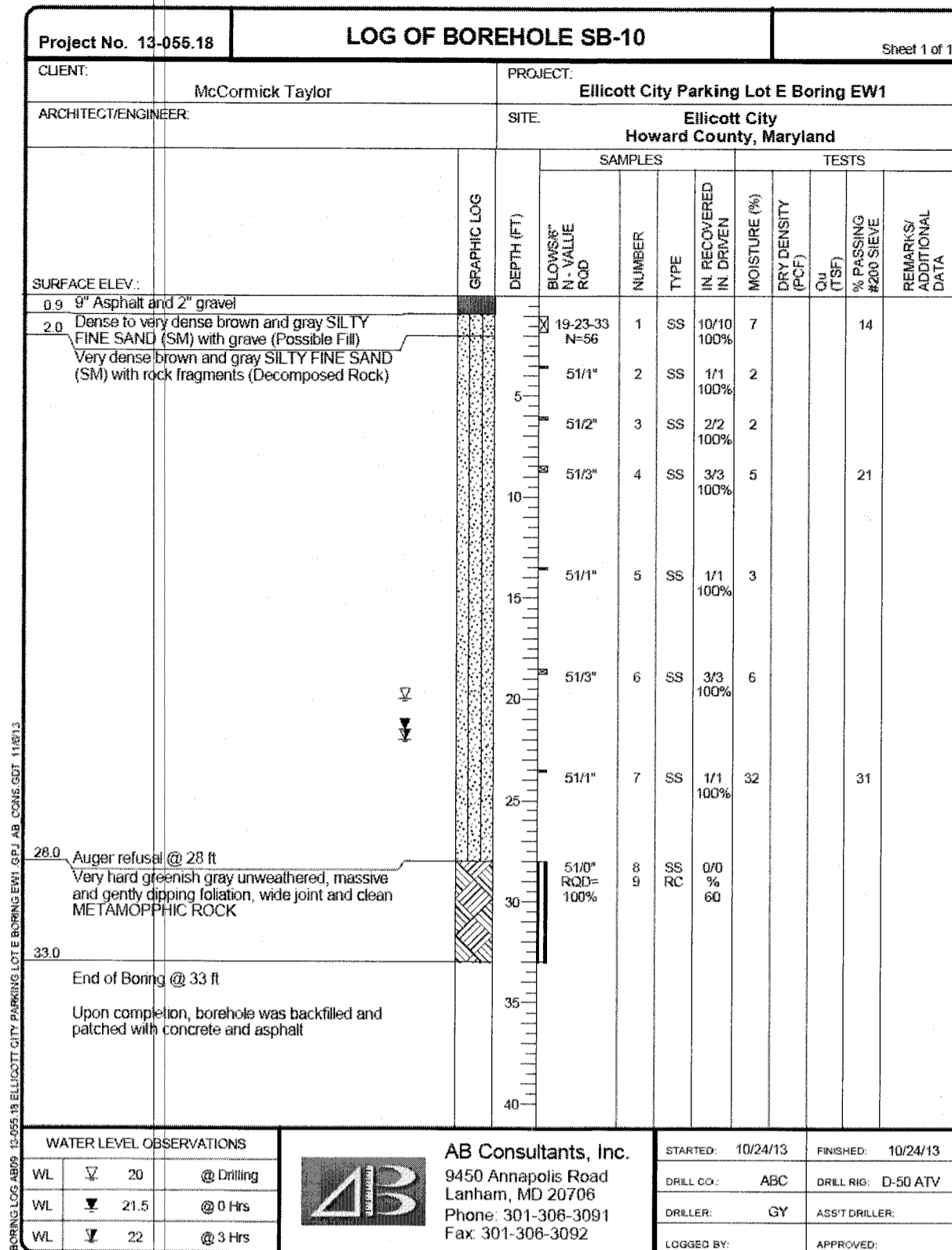
**Howard County**  
 MARYLAND  
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 6751 Columbia Gateway Drive, Suite 514  
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ELLCOTT CITY PARKING LOT E  
 CAPITAL PROJECT #D-1165  
 HOWARD COUNTY  
 SOLDIER PILE BREAKOUT PROJECT  
**SOLDIER PILE PROFILES, TYPICAL SECTIONS AND DETAILS**  
 SCALE: AS SHOWN  
 SHEET: 04 OF 09

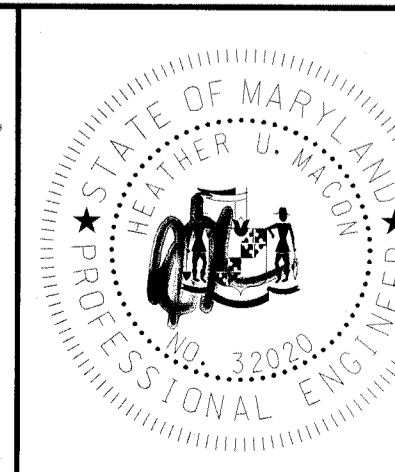




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HOWARD COUNTY, MARYLAND

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BY	NO.	REVISION	DATE

ELlicott City Parking Lot E  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
SOLDIER PILE BREAKOUT PROJECT  
**SOIL BORING LOGS**

SCALE  
NOT TO  
SCALE  
SHEET  
06 OF 09

*Matthew U. Taylor*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES  
DATE: 3/25/14



SILT FENCE (SF)	
QTY (LF)	REMARKS
9	SF-1
23	SF-2
36	SF-4
29	SF-5

SILT FENCE ON PAVEMENT (SF)	
QTY (LF)	TO
169	SF-3

STABILIZED CONSTRUCTION ENTRANCE	
QTY (EA)	REMARKS
1	35 TONS

TEMPORARY SEED	
QTY (LB)	REMARKS
8	FOR STABILIZATION OF GRADED AREAS

TEMPORARY MULCH	
QTY (SY)	REMARKS
550	FOR STABILIZATION OF GRADED AREAS

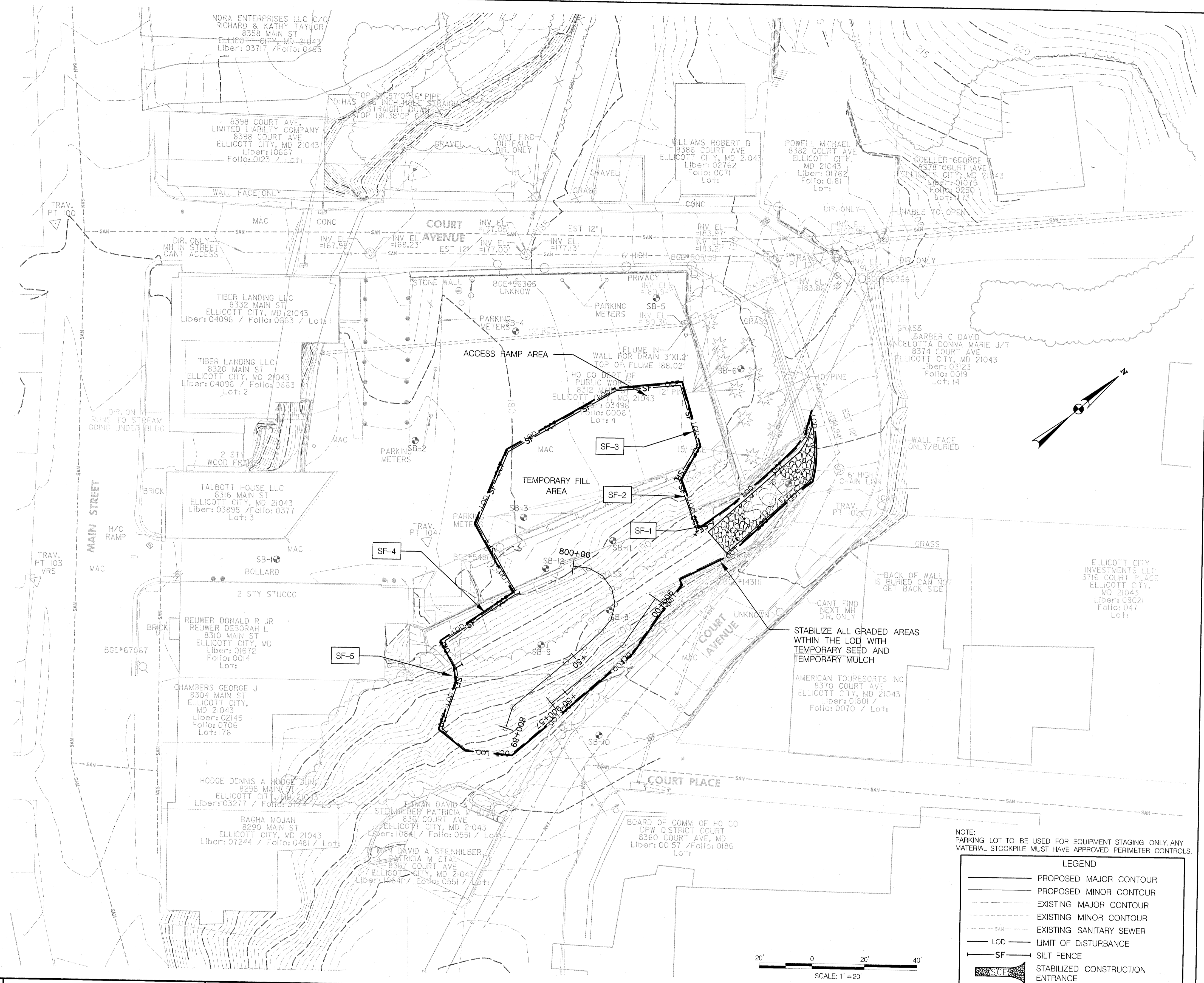
ORANGE CONSTRUCTION FENCE (OCF)	
QTY (LF)	REMARKS
511	

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL TREE REMOVAL, TEMPORARY GRADING, SHEETING, SHORING, ETC. (NOT SHOWN) NECESSARY TO STAGE AND POSITION EQUIPMENT, AND PERFORM THE WORK IN A SAFE MANNER. THIS MAY INCLUDE TEMPORARY STOCKPILING OF MATERIAL AT AN APPROVED OFFSITE LOCATION. THE METHODS AND LAYOUT OF THE WORK NOTED ABOVE SHALL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE WITH THE ENGINEER. ANY WORK REQUIRING AN ADJUSTMENT OF THE LOD WILL REQUIRE PRIOR APPROVAL BY THE ENGINEER AND HOWARD COUNTY SCD/CID.
2. THE STAGING AND STORAGE OF EQUIPMENT AND MATERIALS WITHIN THE PARKING LOT SHALL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE AND SHALL MINIMIZE INTERFERENCE WITH THE ADJACENT BUSINESSES. THE WORK OUTLINED IN THE PLANS SHALL NOT INTERFERE WITH MAINTENANCE ACCESS TO THE EXISTING DUMPSTER, ACCESS AND USE OF THE EXISTING HANDICAP RAMP, OR DELIVERY VEHICLE ACCESS TO THE ADJACENT BUSINESSES.
3. THE COST OF ALL STAGING, STOCKPILING, TREE REMOVAL AND DISPOSAL, TEMPORARY GRADING, DEBRIS REMOVAL AND DISPOSAL, SOIL STABILIZATION, SEDIMENT CONTROL, FENCE REMOVAL AND RESETTling, SHEETING, SHORING AND OTHER TEMPORARY WORK REQUIRED TO COMPLETE THE PROJECT SHALL BE INCIDENTAL TO COST FOR THE PROJECT.

**REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.**  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*Howard R. Pollock*  
HOWARD SOIL CONSERVATION DISTRICT  
DATE: 3/25/14



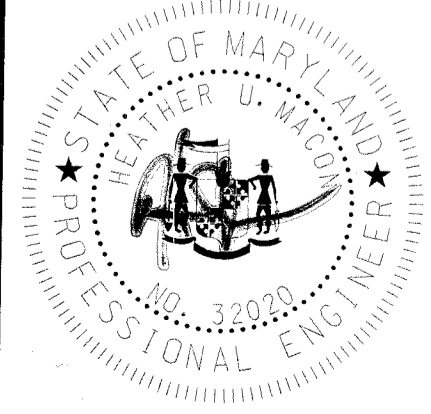
NOTE: PARKING LOT TO BE USED FOR EQUIPMENT STAGING ONLY. ANY MATERIAL STOCKPILE MUST HAVE APPROVED PERIMETER CONTROLS.

LEGEND	
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING SANITARY SEWER
	LOD - LIMIT OF DISTURBANCE
	SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

**MCCORMICK TAYLOR**  
509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND  
Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444



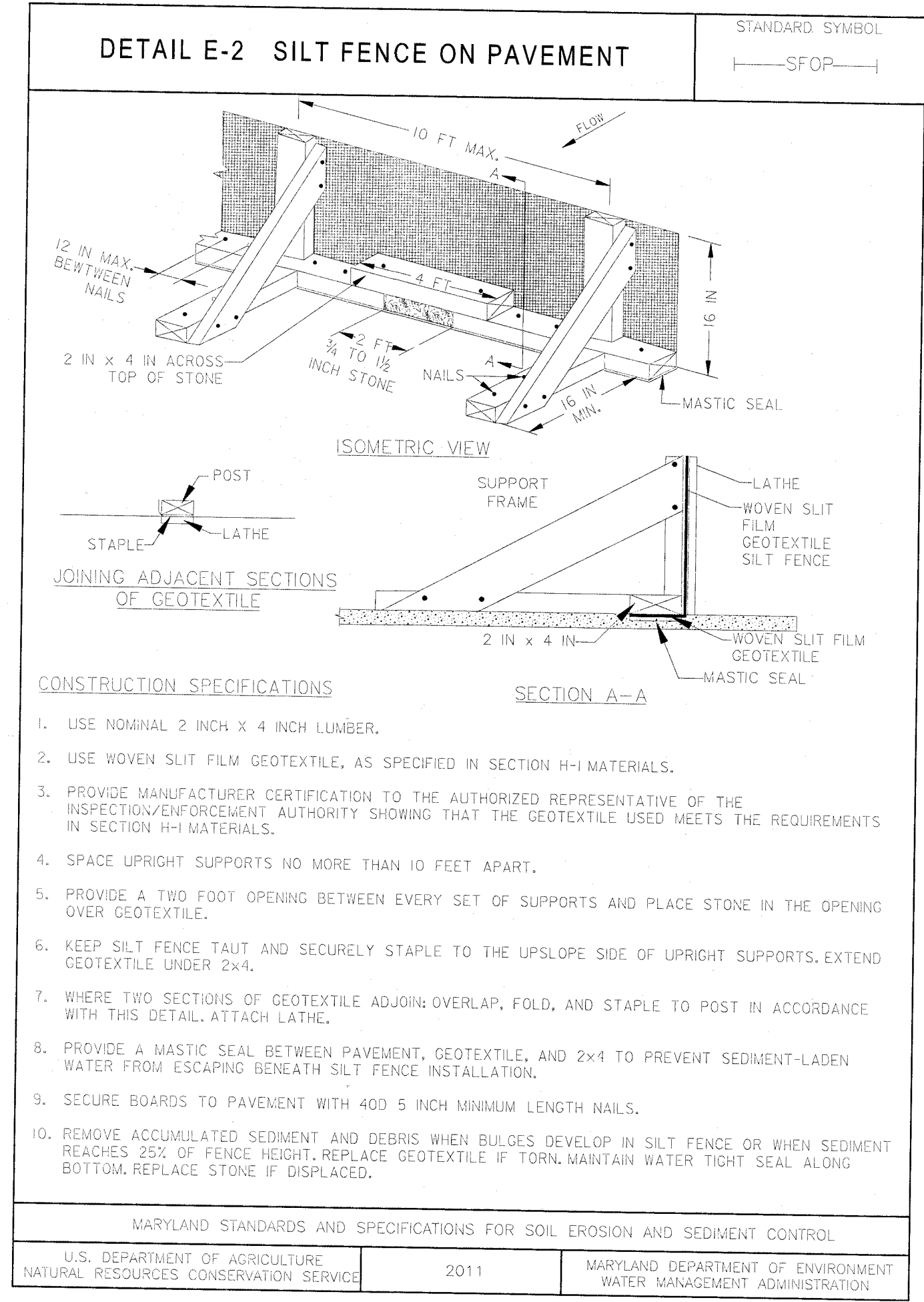
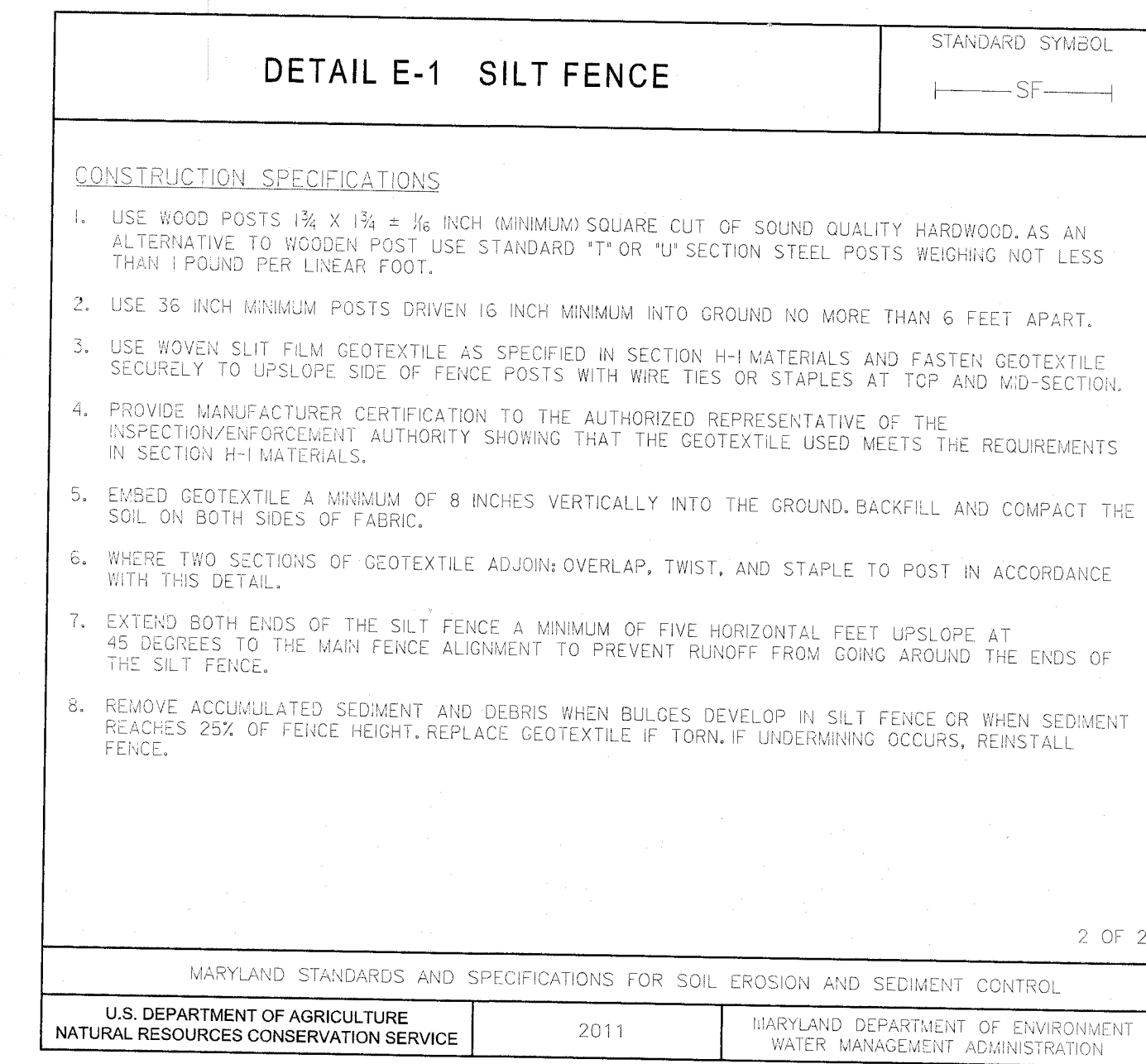
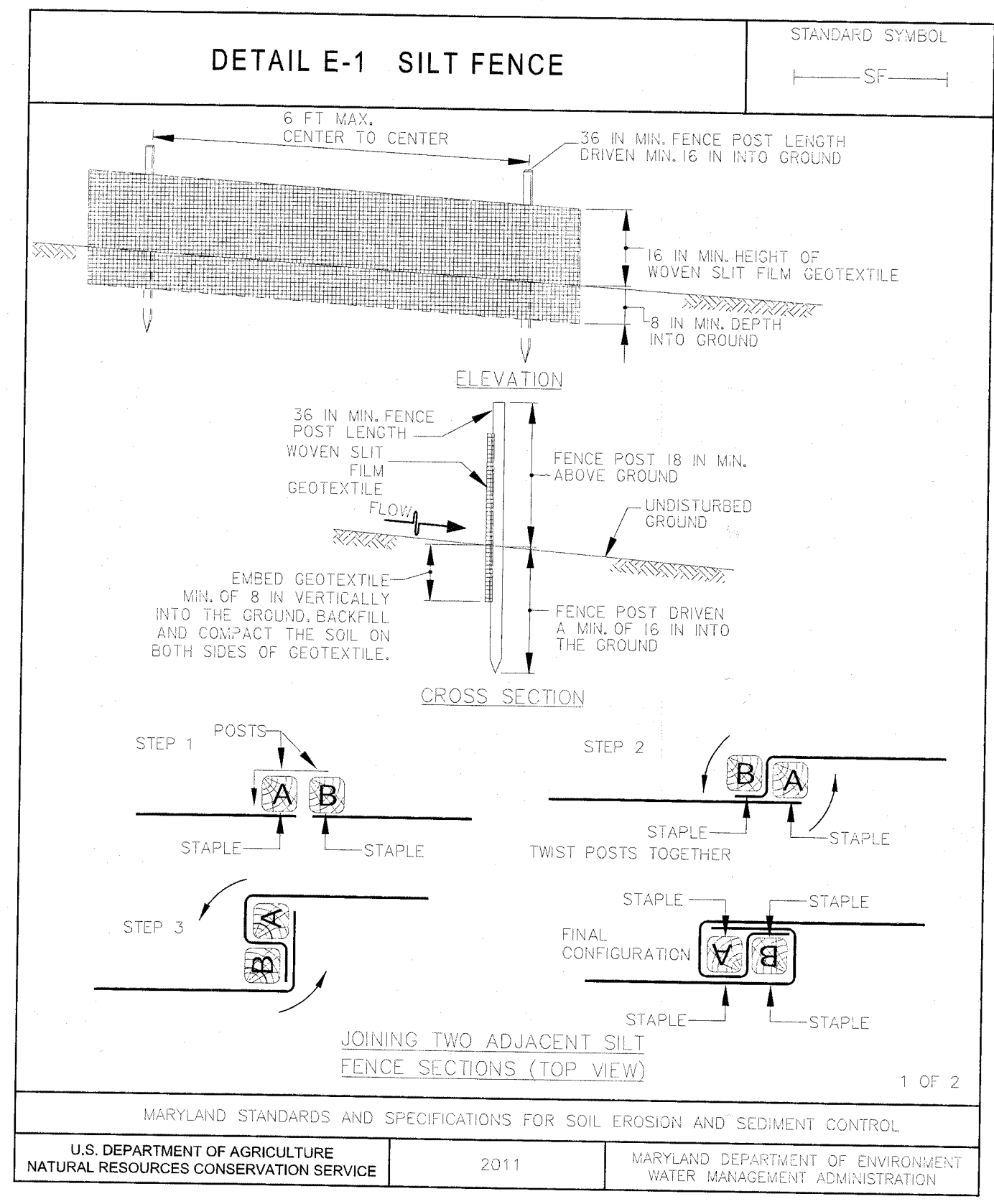
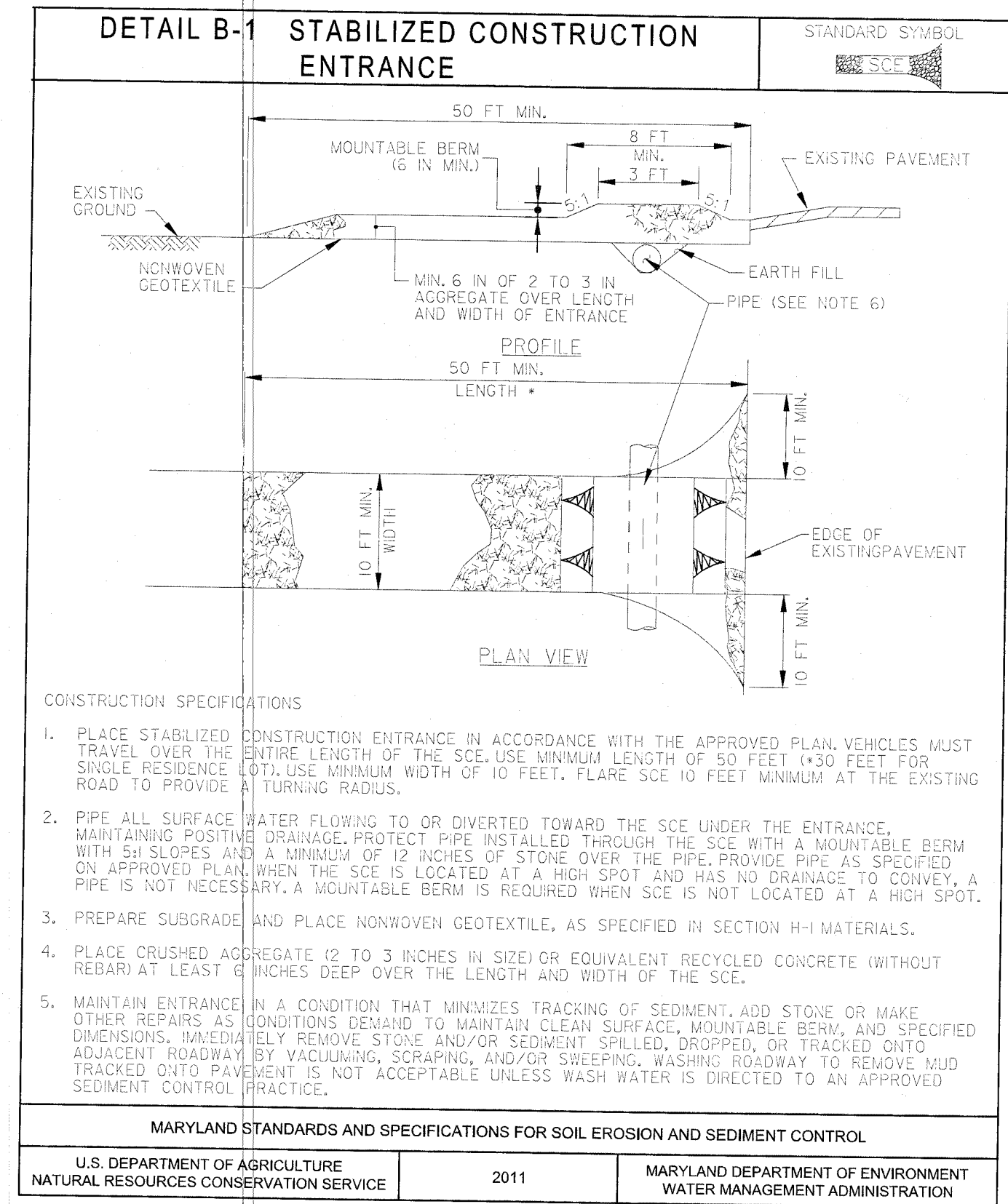
DES: BW					
DRN: CY					
CHK: HM					
DATE: 1/29/14	BY	NO.	REVISION	DATE	

ELlicott City Parking Lot E  
Capital Project #D-1165  
Howard County  
Soldier Pile Breakout Project

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20'  
SHEET: 08 OF 09





**REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.**  
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*[Signature]*  
HOWARD SOIL CONSERVATION DISTRICT

*[Signature]*  
DATE

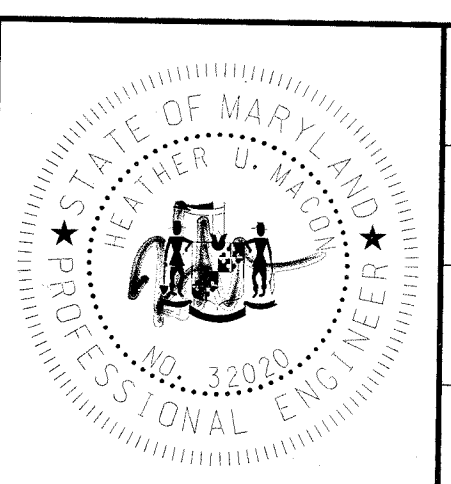
**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND

*[Signature]*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

*[Signature]*  
DATE

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509 South Exeter Street  
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Baltimore, Maryland 21202  
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MARYLAND  
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(410) 313-6444



DES: BW					
DRN: CY					
CHK: HM					
DATE: 1/29/14					
BY	NO.	REVISION	DATE		

**ELLCOTT CITY PARKING LOT E**  
**CAPITAL PROJECT #D-1165**  
**HOWARD COUNTY**  
**SOLDIER PILE BREAKOUT PROJECT**

**EROSION AND SEDIMENT CONTROL**  
**DETAIL SHEET**

SCALE  
NOT TO SCALE  
SHEET  
09 OF 09