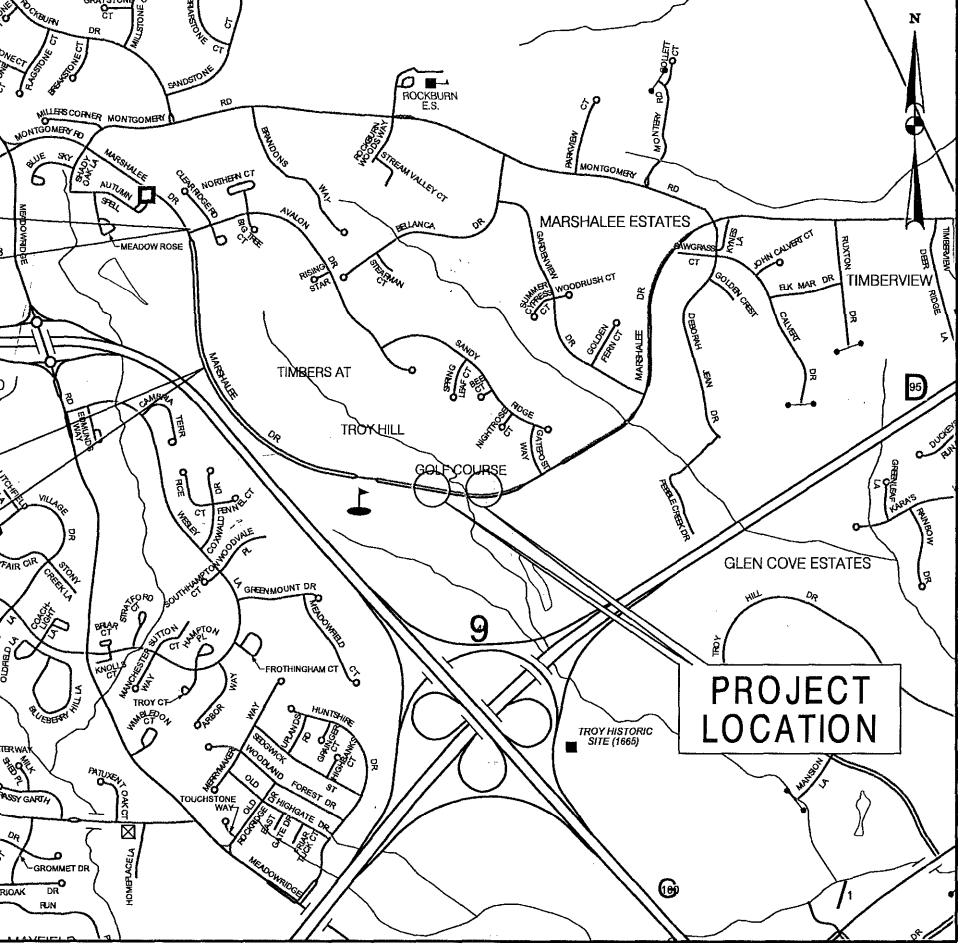
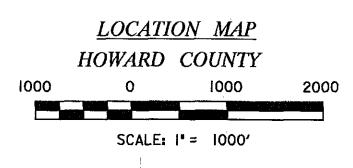
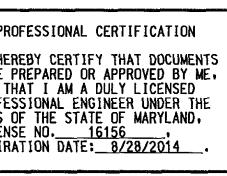
		TIMBER	3
		BAVEL DR 65546 CEAVEL DR 65546 RT. 193 6011 - 2644004* RT. 193 6012 - 2644004* RT. 193 6012 - 2644004* RT. 193 70 AR 712 - 9865 777 - 9965 777 - 997 777 - 997 77	
	INDEX OF SHEETS 1 TITLE SHEET 2 OVERALL SITE PLAN 3 SITE PLAN NO.1 4 SITE PLAN NO.2 5 TYPICAL SECTION AND MISCELLAN 6 EROSION AND SEDIMENT CONTRO 7 EROSION AND SEDIMENT CONTRO AND DETAILS 8-10 CROSS SECTIONS	OUS DETAILS Lynner DU PLAN Lynner DL NOTES A A A A A A A A A A A A A	AND
	THE CONSTRUCTION PROJECT WILL HAV DEPARTMENT OF THE ENVIRONMENT APP OF SEDIMENT AND EROSION BEFORE BE	<u>ERTIFICATION</u>	MARI
	ENGINEER'S 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT." DAVID T. MORICONI URS CORPORATION 4 NORTH PARK DRIVE HUNT VALLEY, MD 21030	THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT. HOWARD SOIL CONSERVATION DISTRICT	PR <sup>#</sup> I HE WERE AND T PROFE LAWS LICEN EXPIR
Ł	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 12/23/13 AECTOR OF PUBLIC WORKS DATE DATE DEPARTMENT OF PUBLIC WORKS DATE DATE DEPARTMENT OF PUBLIC WORKS DATE DEPARTMENT OF TRANSPORTATION DATE AND SPECIAL PROJECTS	(2-23-13 ENGINEERING DATE 12-23-13 PREPARED BY URRS 4 NORTH PARK DRIVE HUNT VALLEY, MARYLAND TEL: (410) 785-7220	

# OF TROY GOLF COURSE PE REMEDIATION ELECTION DISTRICT 1 HOWARD COUNTY, MARYLAND







en jarer

OF MARY DES: JHY	
DRN: CDF	TITLE SHEET
CHK: DTM	TITTE SHEET
DATE: 11/13 BY NO. REVISION DATE SCA	LE MAP NOBLOCK

# **GENERAL NÓTES**

I. THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY DEP, RTME OF PUBLIC WORKS/BUREAU OF NGINEERING CONSTRUCTION INSPECTIC DIVISION AT 410-313-1820, ND MISS UTILITY AT 1-800-257-7777 AT LEAST FIVE (5) WOPKING DAYS DEFORE STARTING WORK

2. THE SYSTEM OF CUCRDINATES USED BY HOWARD COLUMNY IS BASED IN THE FOLLOWING DATUMS AND PROJECTIONS: HORIZONTAL: MARYLAND NAD83 (AUJ 1991)

VERTICAL: NAVD88

HOWARD COUNTY CONTROLS 37B4 (ELEV. 401.318), N 563,928.5811, E 1, 73,109.0962 37BD (ELEV. 384.957), N 562,548.0129, E 1, (5,437.6980 37EC (ELEV. 346.153), N 561,099.8288, 5,1,375,580.4112

- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATES STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- 4. ALL WORK SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE '2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOL EROSION AND SEDIMENT CONTROL, "ICSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT OF THE NATURAL RESOURCES CONSERVATION SERVICE.
- 5. TOPOGRAPHIC SURVEYS WERE PERFORMED BY URS CORPORATION IN MAY 2010 IN THE VICINITY OF THE SUPPLEMENTAL TOPOGRAPHIC SURVEY WAS PROVIDED BY HOWARD COUNTY IN FEB 2013
- 6. THE PROPERTY LINES AND EASEMENT LINES ARE APPROXMATE.
- 7. SHOULD THE CONTRACTOR DISCOVER DISCREPATIES BETWEEN THE PLANS AND THE FIELD CONDITIONS, THE ENCLOSE TO TE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. THOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
- 8. CONTRACTOR IS SOLELY KESPONSIBLE FOR CONSTRUCTION MEANS, METHOD, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFE TO PRECAUTIONS AND PROGRAMS.
- 9. APPROXIMATE UTILITIES ARE SHOWN FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND FAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE 30 CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

IO.ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.

UTILITY CONT	HC I Si
BGE: BGE:	(410)-597-7835 (ELECTRIC) (410)-291-5101 (GAS)
VERIZON:	(4 <u>'@1</u> ~224-9285
MCI:	(912)-729-601
XPEIUS	(703)-386-2340
ABOVENET	(443)-250-1873
COMCAST	(410)-513-3207

•

EP-14-008

TIMBERS OF TROY GOLF CONRSE SLOPE REMEDIATION J-4136

ELECTION DISTRICT NO. 1 - JESSUP, MARYLANIE

NO.\_\_

-

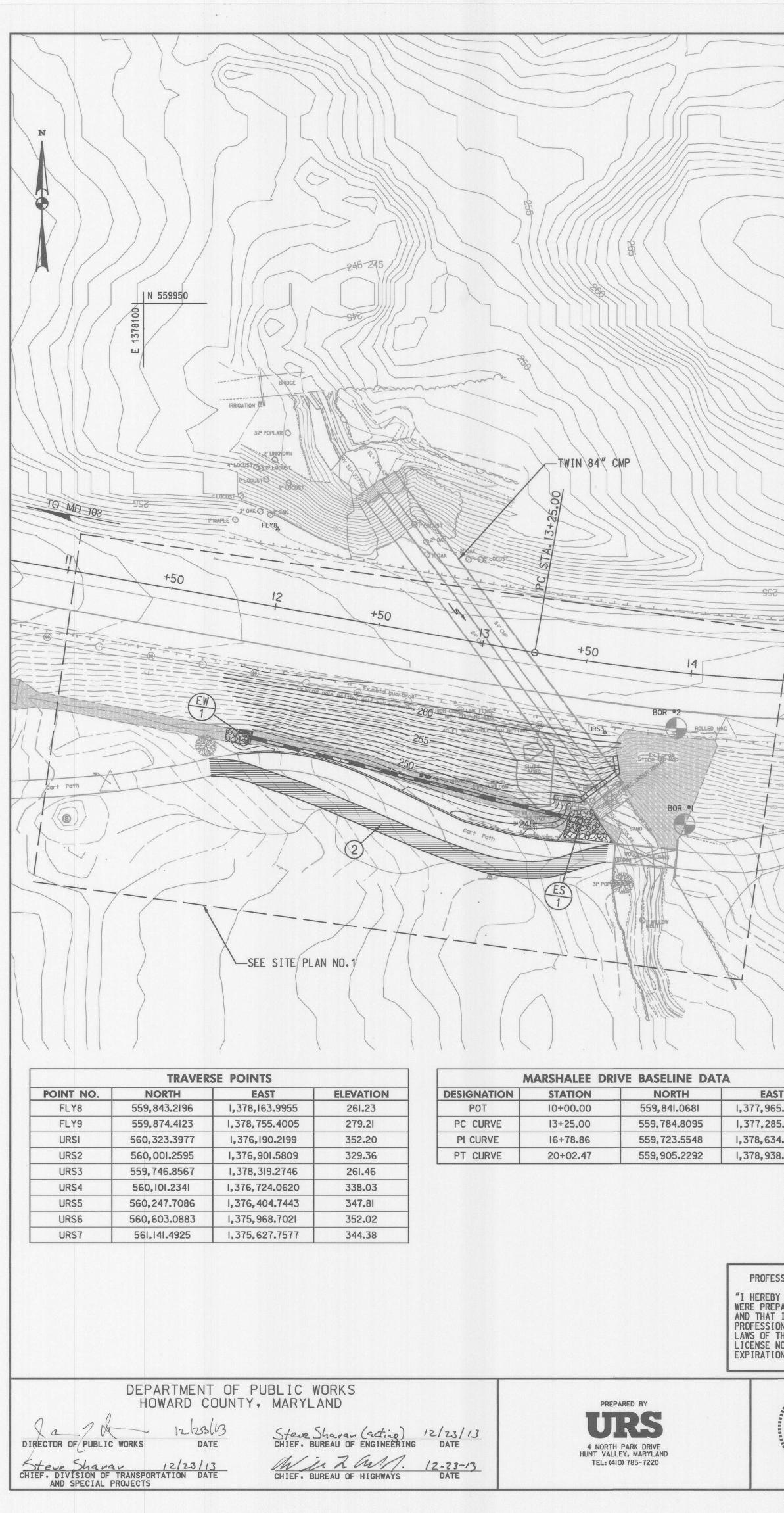
Joe YoonFriday NoverLer 22, 2013 AL 10559 AW

الظلام فالمري المست المربية المربية

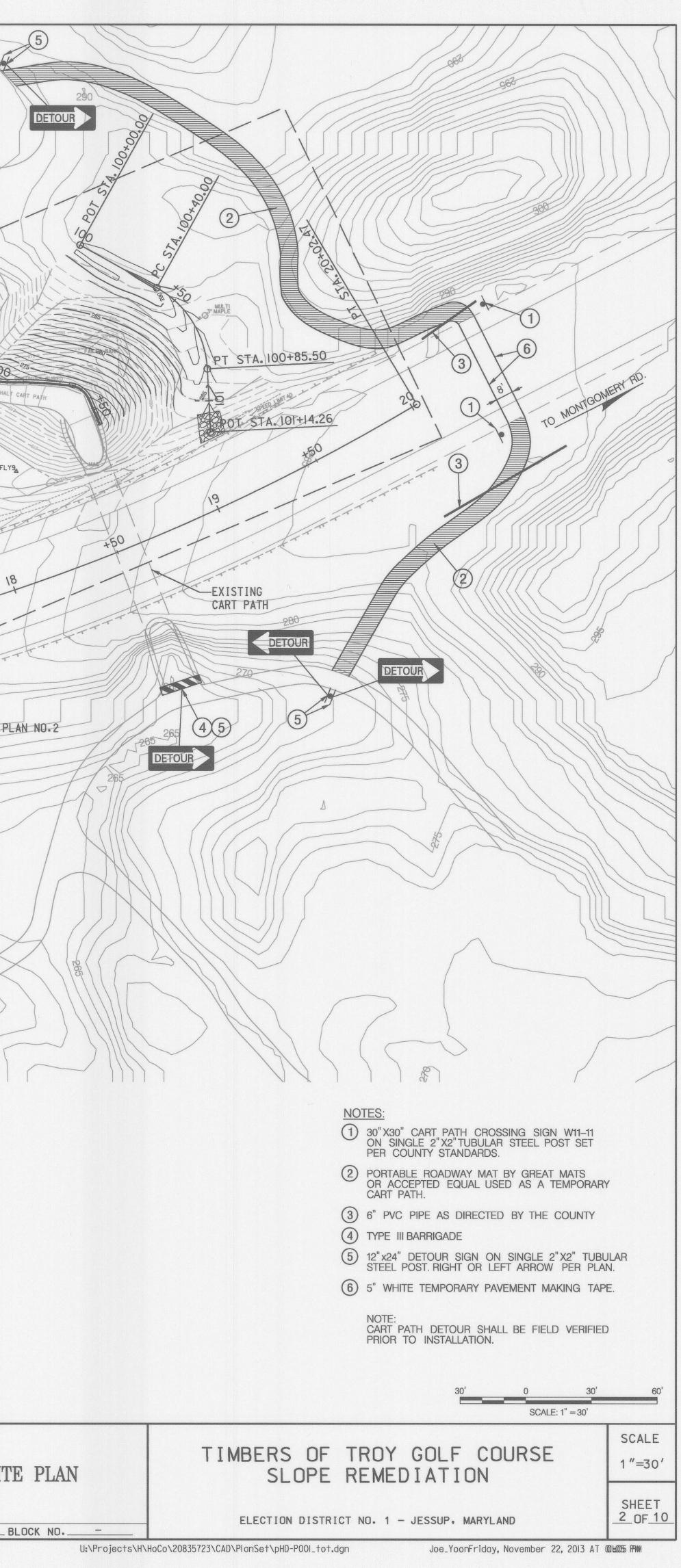
SCALE

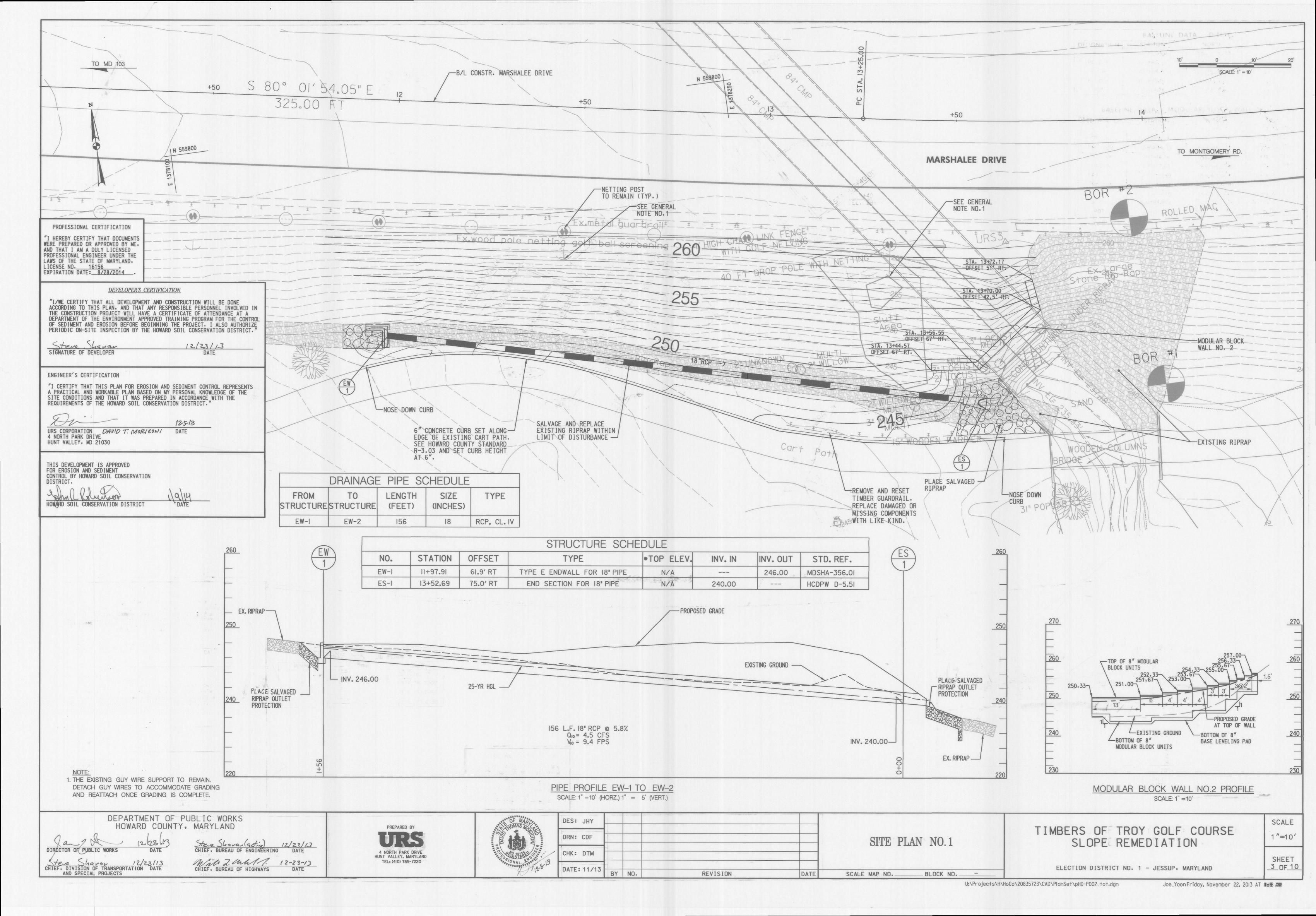
AS SHOWN

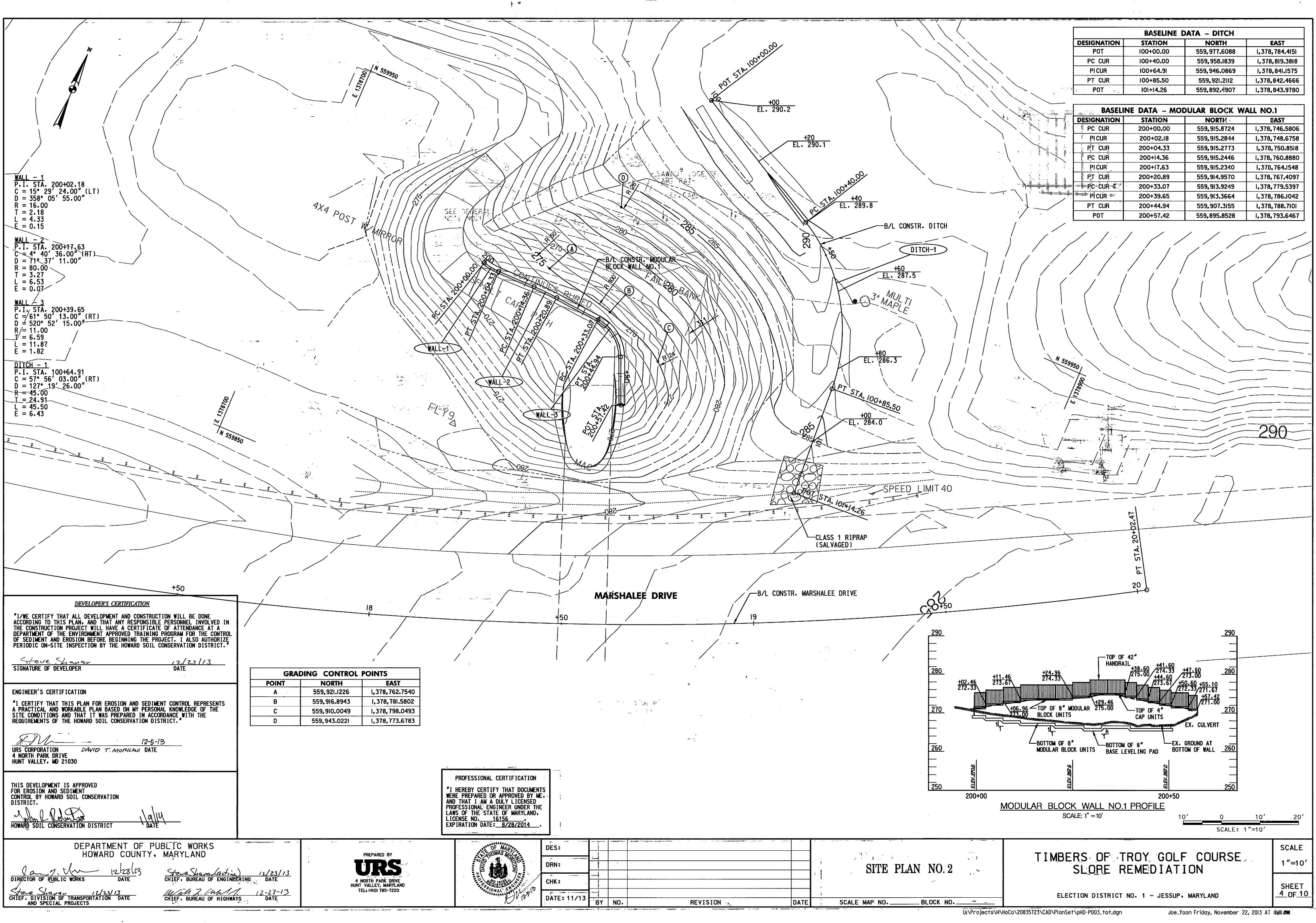
SHEET <u>1 of 10</u>



		P • I • C = D = R = T = L =	HALEE - 1 STA. 16+78-86 40° 51 33.36" (LT) 6° 01' 52.08" 950.00 353.86 677.47 63.76	TOUR 45	DETOUR
270	012 522	N	559950 E 1378600		AXA POST RANROR AXA POST RANROR ASPHALI CART PARH SO FLY9
	+50 LEE DRIVE	CMARSHALEE-D 16	+50 +50 B/L CONSTR	MARSHALEE DRIVE	150 18 SEE SITE PLAN NO.2
			E 1378600	265	
			559700		
SIONAL CERTIFICATION CERTIFY THAT DOCUMENTS ARED OR APPROVED BY ME. I AM A DULY LICENSED NAL ENGINEER UNDER THE HE STATE OF MARYLAND. 0					

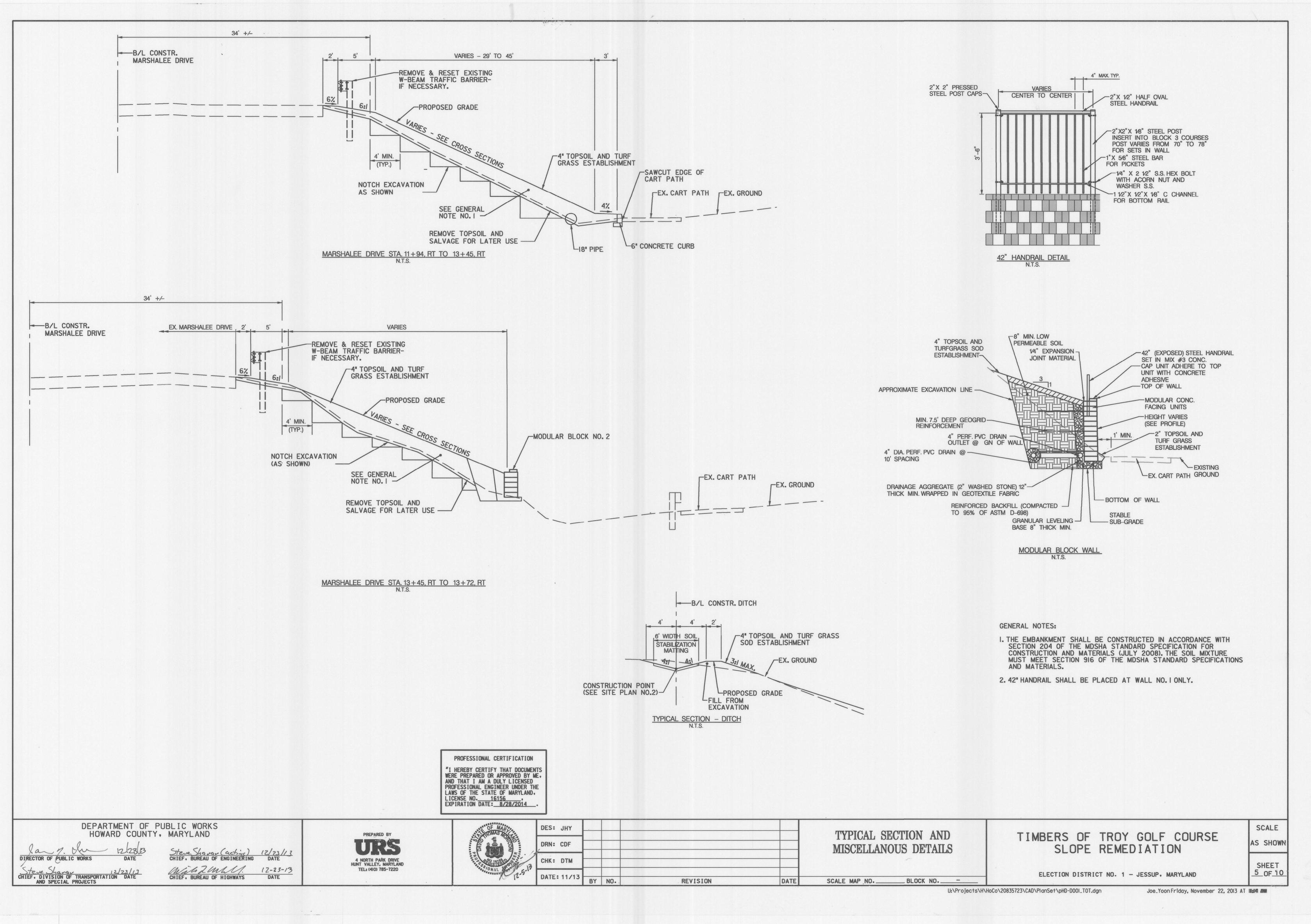


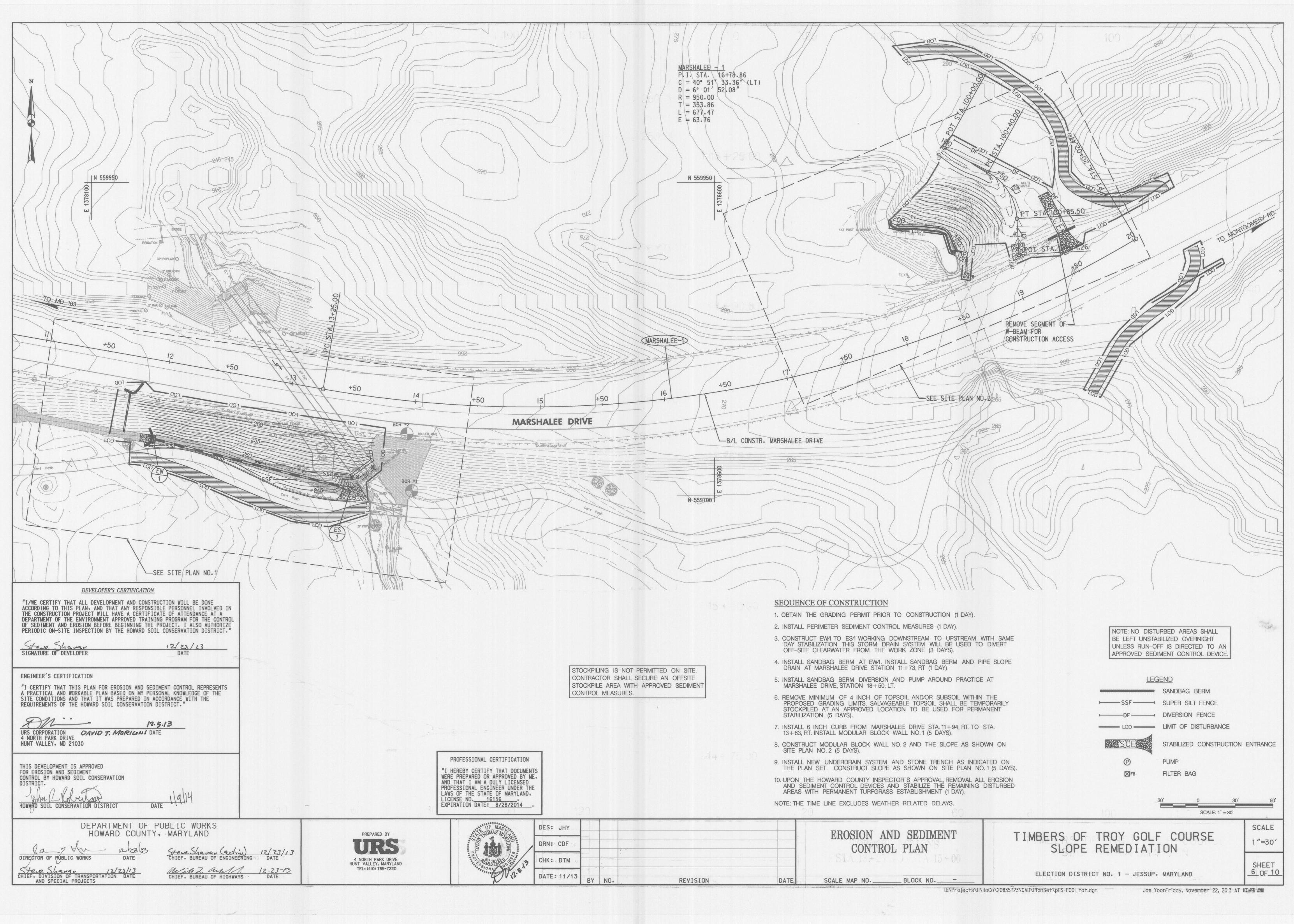


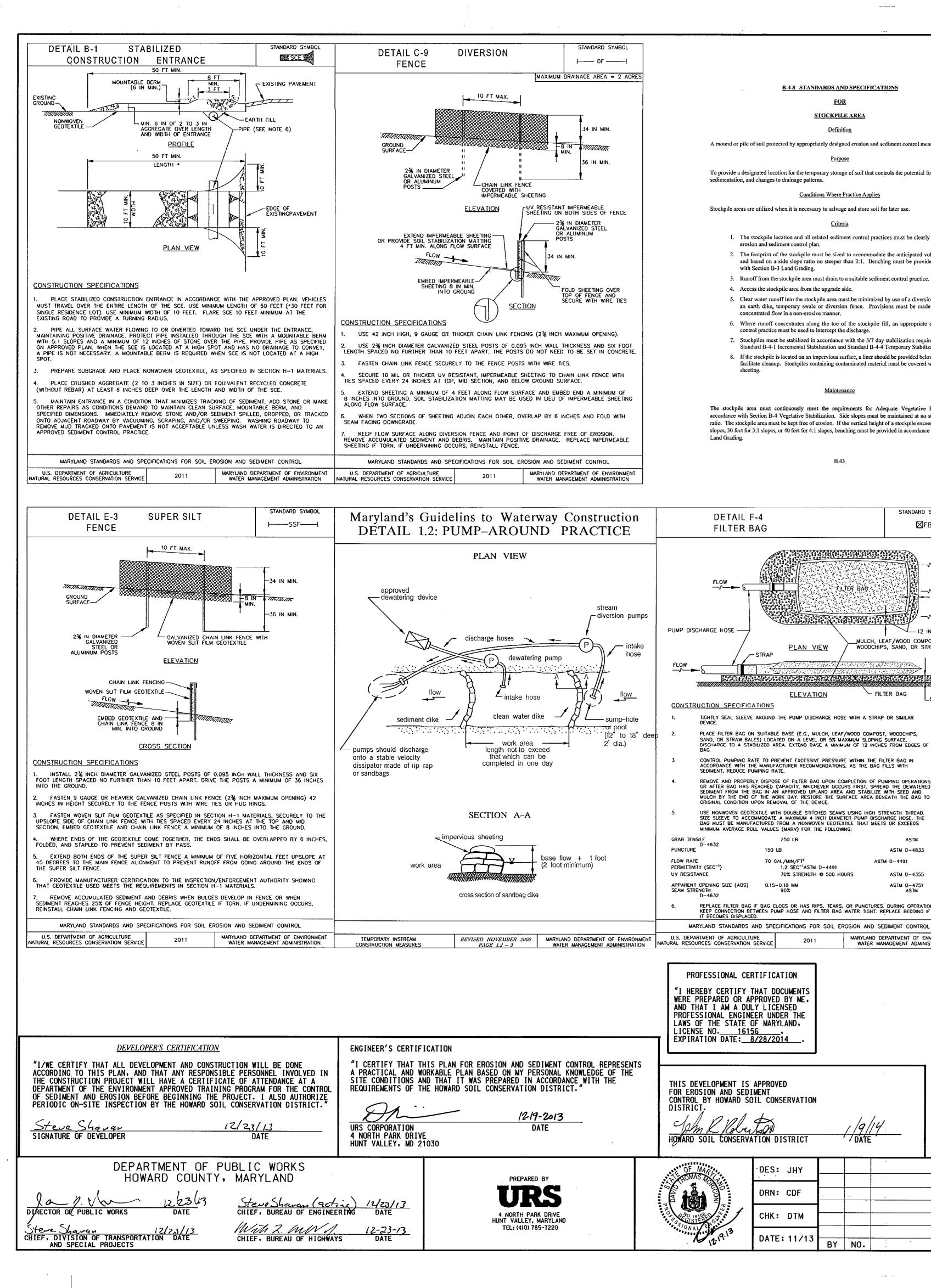


·· ·· ··

.....







#### **B-4-8 STANDARDS AND SPECIFICATIONS**

#### <u>FOR</u>

# STOCKPILE AREA

# Definition

A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

## Purpose

To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns

## Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to salvage and store soil for later use.

- erosion and sediment control plan.

with Section B-3 Land Grading.

sheeting.

Land Grading

DETAIL F-4

FILTER BAG

- 1. The stockpile location and all related sediment control practices must be clearly indicated on the

3. Runoff from the stockpile area must drain to a suitable sediment control practice.

2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material

5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as

6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment

7. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as

8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to

facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable

Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization.

Maintenance

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in

accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1

ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1

slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3

B.43

PLAN VIEW

**ELEVATION** 

TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR

PLACE FILTER BAG ON SUITABLE BASE (E.C., MULCH, LEAF/WOOD COMPOST, WOODCHIPS,

CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.

SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 57 MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF

REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST, SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.

USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS

1.2 SEC"ASTM D-4491

70% STRENGTH @ 500 HOURS

REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF

2011

MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

150 LB

0.15-0.18 MM

DES: JHY

DRN: CDF

CHK: DTM

DATE: 11/1

)-4632

T BECOMES DISPLACED

250 LE

70 GAL/MIN/FT<sup>2</sup>

- STRAP

STANDARD SYMBOL

🛛 F B

\_\_\_\_\_

5% MAX.

L8 IN MIN.

12 IN MIN.

MULCH, LEAF/WOOD COMPOST,

- FILTER BAG

WOODCHIPS, SAND, OR STRAW BALES

ASTM

ASTM D-4833

ASTM 0-4355

ASTM D-4751

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

DATE

BY NO.

ASTM D-4491

NOT COVERD.

REVISION

DATE

SCALE MAP NO.

NOTES AND DETAILS

BLOCK NO.

-

REFER TO THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR ADDITIONAL RATES AND METHODS

an earth dike, temporary swale or diversion fence. Provisions must be made for discharging

and based on a side slope ratio no steeper than 2:1. Benching must be provided in accordance

4. Access the stockpile area from the upgrade side.

concentrated flow in a non-erosive manner

control practice must be used to intercept the discharge.

- Criteria

	3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A. THREE (3) CALENDAR DAYS FOR ALL PERIMETER DIKES, SWALES,
	DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3:1.
	B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
	<ol> <li>ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOLUME 1, CHAPTER 7, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.</li> </ol>
	5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SECTION G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
	<ol> <li>ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THERE REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.</li> </ol>
	7. SITE ANALYSIS:
	TOTAL AREA OF SITE - 2.2 ACRES AREA DISTURBED - 0.74 ACRES AREAS TO BE ROOFED OR PAVED - 0.00 ACRES (INCLUDES OVERLAY AREA) AREA TO BE VEGETATIVELY STABILIZED - 0.00 ACRES TOTAL CUT - 253 CY* TOTAL FILL - 789 CY* OFF-SITE WASTE SITE - HOWARD COUNTY LANDFILL OFF-SITE WASTE SITE - APPROVED SITE WITH AN ACTIVE GRADING PERMIT
	8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
PERMANENT SEEDING NOTES	<ol> <li>ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.</li> </ol>
APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED. SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING,	10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION ACCENCY IS MADE
OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.	THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:	LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
<ol> <li>PREFERRED – APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS. PER 1,000 SQUARE FEET) AND 600 LBS. PER ACRE 10–10–10 FERTILIZER (14 LBS. PER 1,000 SQUARE FEET) BEFORE SEEDING. HARROW OR DISC INTO UPPER 3 INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30–0–0 UREAFORM FERTILIZER (9 LBS. PER 1,000 SQUARE FEET).</li> </ol>	<ol> <li>SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.</li> <li>SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.</li> </ol>
<ol> <li>ACCEPTABLE – APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS. PER 1,000 SQUARE FEET) AND 1,000 LBS. PER ACRE 10–10–10 FERTILIZER (23 LBS. PER 1,000 SQUARE FEET) BEFORE SEEDING. HARROW OR DISC INTO UPPER 3 INCHES OF SOIL.</li> </ol>	14. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH
SEEDING: FOR THE PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS. PER 1,000 SQUARE FEET) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.05 LBS. PER 1,000 SQUARE FEET) OF WEEPING LOVEGRASS. DURING THE PERIOD OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY ONE OF THE FOLLOWING OPTIONS:	MAY AFFECT THE WORK. 15. CONSTRUCTION WITHIN, ALONG OR ACROSS STREAM CHANNELS SHALL, AS A MINIMUM, CONFIRM TO CRITERIA DESCRIBED UNDER "MARYLAND'S WATERWAY CONSTRUCTION GUIDELINES." * APPROXIMATE
1. 2 TONS PER ACRE OF WELL-ANCHORED MULCH STRAW AND SEED AS SOON AS POSSIBLE IN THE SPRING.	<b>SEQUENCE OF CONSTRUCTION - GENERAL NOTES</b>
2. SEED WITH 60 LBS. PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE WELL ANCHORED STRAW. MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1,000	<ol> <li>THE CONTRACTOR SHALL NOTIFY THE HOWARD SOIL CONSERVATION DISTRICT AT (410) 489–7987 AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR.</li> </ol>
SQUARE FEET) OF UNROTTED SMALL GRAIN STRÀW IMMEDIATELY AFTER SEEDING. <u>ANCHOR M</u> ULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALLONS PER 1,000 SQUARE FEET) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FEET OR HIGHER, USE 347 GALLONS PER ACRE (8 GALLONS PER 1,000 SQUARE FEET) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS,	2. UTILITIES AND STORM DRAINS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS ARE FOR THE GUIDANCE OF THE CONTRACTOR ONLY. CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND UTILITIES IN THE AREA OF THE PROPOSED EXCAVATION AND HAVE THOSE UTILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION.
TEMPORARY SEEDING NOTES	3. THE EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONING PRIOR TO CLEARING THE ENTIRE SITE CLEAR AND GRUB FOR EROSION AND SEDIMENT CONTROL MEASURES OR DEVICES ONLY ON COMMENCEMENT OF CONSTRUCTION.
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTRIBUTED WHERE A	
SHORT-TERM VEGETATIVE COVER IS NEEDED. SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.	CONTROL PLANS. THE LOCATIONS FOR STABILIZED CONSTRUCTION ENTRANCES SHOWN ON THE PLANS ARE APPROXIMATE, AND EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD WITH APPROVAL FROM THE ENGINEER AND INSPECTOR.
<u>SOIL AMENDMENTS:</u> APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS. PER 1,000 SQUARE FEET).	5. MAINTAIN ALL SEDIMENT CONTROL PRACTICES ACCORDING TO THE MARYLAND 2011 STANDARDS UNTIL THE ENTIRE SITE IS STABILIZED.
SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS. PER 1,000 SQUARE FEET). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.07 LBS. PER 1,000	6. Contractor shall locate the staging and stockpile area and is responsible for providing any additional es controls for staging and stockpile areas as required by the MDE Inspector.
SQUARE FEET), FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE SOD.	7. CLEAR AND GRUB AND PROCEED TO CONSTRUCTION ACCORDING TO THE SEQUENCE SPECIFIEDN ON THE TRAFFIC CONTROL PLAN SHEETS. STORM DRAIN SYSTEMS SHALL ALWAYS BE CONSTRUCTED FROM THE DOWNSTREAM ENDS. INLET PROTECTIONS SHALL BE INSTALLED AT EXISTING INLETS BEFORE
<u>MULCHING:</u> APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1,000 SQUARE FEET) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALLONS PER 1,000 SQUARE FEET) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FEET OR HIGHER, USE 347 GALLONS PER ACRE (8 GALLONS PER 1,000 SQUARE FEET) FOR ANCHORING.	ANY DISTURBANCE IN THE WORK AREA. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUN OFF IS DIRECTED TO AN MDE APPROVED SEDIMENT CONTROL DEVICE. CONTRACTOR SHALL USE PORTABLE SEDIMENT TANK TO DEWATER THE WORKING AREA DURING CONSTRUCTION. 8. CONSTRUCTION SHALL BE COMPLETED IN THE SEQUENCE NOTED ON SHEET 6.
REFER TO THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR ADDITIONAL RATES AND METHODS	

**GENERAL NOTES** 

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL

CONFORMANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS

DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).

ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN

FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.

2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED

# SCALE EROSION AND SEDIMENT CONTROL TIMBERS OF TROY GOLF COURSE AS SHOWN SLOPE REMEDIATION SHEET <u>7\_0F\_10</u>

ELECTION DISTRICT NO. 1 - JESSUP, MARYLAND

	Ψ	20	40	J	6		80	J
	•							
060								
260	· · · · · · · · · · · · · · · · · · ·	[]						
250								
	12+00.00						]	
000								
260								
250					<u> </u>			
	11+75.00							
260				` <				
250					/ /			
200	11 + 50.00							
	11130.00							
260								
250		· · · · · · · · · · · · · · · · · · ·			<u> </u>			
	11+25.00							
260								
050								
250	11+00.00							
						· · · · · · · · · · · · · · · · · · ·		
	0	20	40	)	6	0	80	)
D	EPARTMENT OF PUB HOWARD COUNTY, M	LIC WORKS MARYLAND				PREPARED I	BY	
Λ	- 12/23/13 KS DATE	Steve Shavas (4c				TTO	<b>C</b>	

-

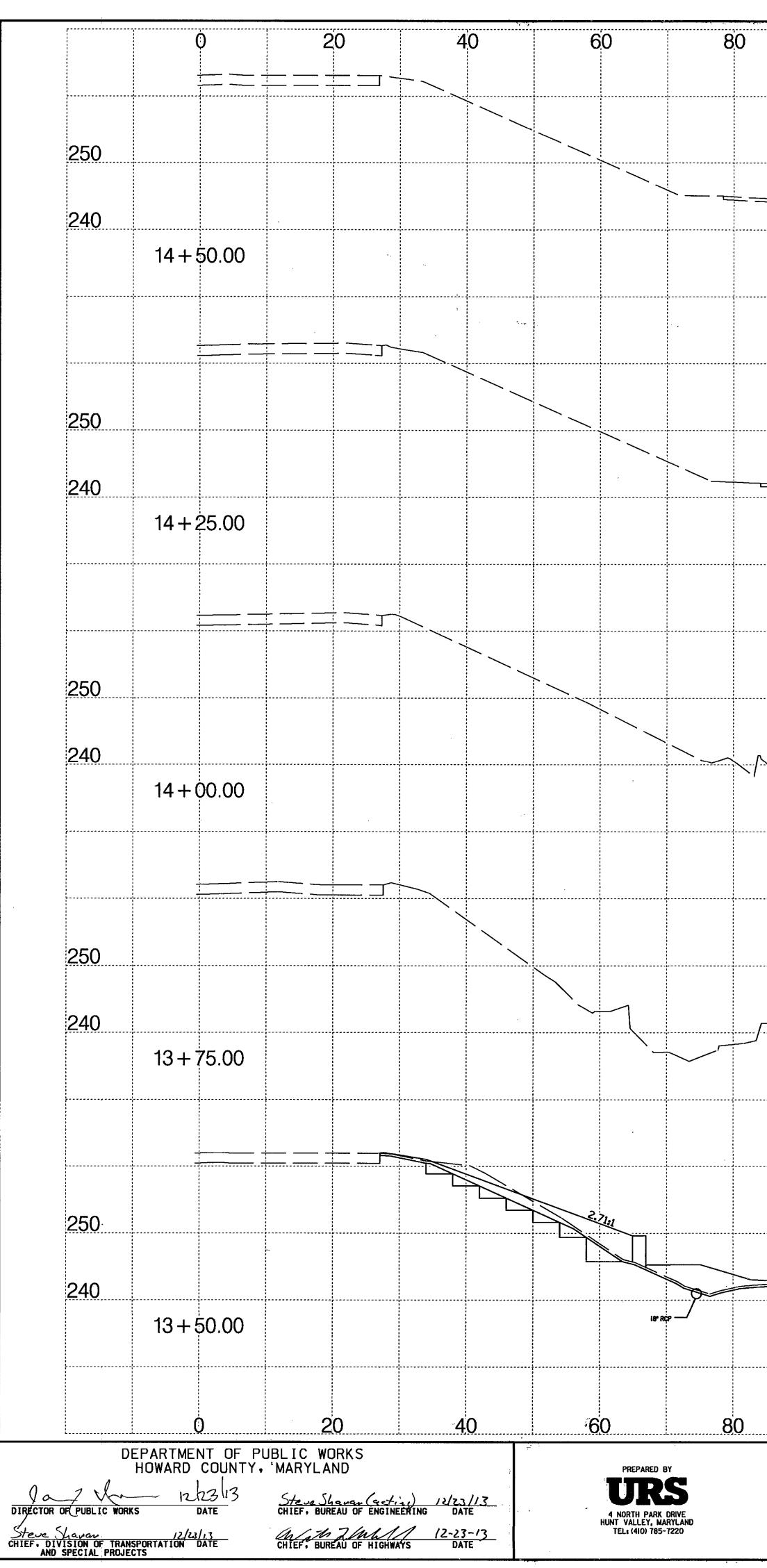
	80	100	120		Ŏ	20	40	60	80	1(
				260250				2.99:1		
				250240	13+25.00			18* RCP	<u>J</u>	
	<i>e</i>									
				260250				<.86:1		
				. 250240						
				230240	13+00.00			18" RCP		
								2.59:1		
				260250						
				250240				18* RCP		
					12 + 75.00					
				260260						
								2.23.1		
	-			250250	12+50.00					
								IB* RCP		
				260260						
				250250				2.19:1		
					12+25.00					
				·····				16, KCP —		
	80	100	120	· · · · · · · · · · · · · · · · · · ·	0	20	40	60	80	1(
PARED BY		THE HOMAS MORE	DES: JHY				CROSS SEC	TIONS	TIMBER	S OF
H PARK DRIVE LEY, MARYLA 410) 785-7220	E ND		СНК: ДТМ		· · · · · · · · · · · · · · · · · · ·		STA. 11+00 TO			LOPE
		1219.12	DATE: 11/13 BY NO	• R	EVISION	DATE	SCALE MAP NO.	_ BLOCK NO	ELECTI loCo\20835723\CAD\PianSet\p	ON DISTRIC

•

20 40	6	0	8	0	10	)0	12	20		
	2.99:1							,	250	
			0							
		18* RCP -	<u>]</u>							
	2.86:1								250	
				- <u>-</u>	,					
		18' RCP							240	
	2.59:1								250	
		18" RCP/							240	
									260	
	2.23:									
									250	
										ايم . ; ;
									260	
	2.19:1						· · ·			
							<u> </u>		250	
	18									
20 40	6	0	8	0		)0	12	20		
CROSS	SECTIONS		Т	IMBERS	S OF		GOLF IATIO	COURSE		SCALE 1 "=10'
STA. 11+00	TO STA. 13+2						JAIIUI JESSUP, MAF			SHEET 8_0F_10
SCALE MAP NO.	BLOCK NO									

\$

Joe\_Yoon Friday, November 22, 2013 AT IL221 ANN



------

. . ..

· · · · ·

-1

	100	120			20	40
			260250			
			250240			
				13+25.00		
			<u> </u>			
			26, 2			
		18 - 50 00				
			260250			
	= =		250240			
				13+00.00		
			260250			
			250240	s		
				12 + 75.00		~.
			n ng transis An ang t			
		e - 15 .00				
			260260		==+	
	<u> </u>		250250			
				15 + 00.00		
			250260			
······	• .					
━=₽===	<b></b>		240250			
		• J.M.		14 + 75.00		
			· · ·			
	100	120		1 0	20	40
	THE OF MAN	DES: JHY DRN: CDF				CROSS SEC
a nya nya na		CHK: DTM			<b> s</b>	CROSS SEC TA. 13+25 TO
And a point	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	DATE: 11/13 BY NO	). <u>B</u>	EVISION	DATE SC	

	and the second and the second the	nenos de la biene "	na sena a constante en la const			]	
	60	ر <b>08</b>	100	120		alanggi (an riddin, ara	, 
						· F	
					250		
• • • •					240		
							i and in the second
						· · ·	1
					250		<b>ð</b> ,
					240		
•				÷			
					250		•
					200		
					0.40		
					240		•
	. vytjano	анан					
				1 * <b>-</b> 1			ŧ
							۱
					260		
/							
	`\				250		
							•
• • • •				+			1
						1	
					260		
<b>\</b>							
					250		
	60	80	100	120			
			and a second	a a a a a a a a a a a a a a a a a a a	~ ~	SØALE	
ΓI	ONS	TIMBER	RS OF TROY SLOPE REMED	GULF COURS	E l	1″=10′	
SЛ	A. 15 + 00		YE YE NEMEV		ŀ	r	•
BL	OCK NO	ELECT	ION DISTRICT NO. 1 -	JESSUP MARYLAND	\$ •	SHEET 9_0F_10_	
~~	was had a second part of the state of the second part of the second second second second second second second s	Campaning Sector and the sector of the sector of the					

U:\Projects\H\HoCo\20835723\CAD\PlanSet\pHC-X002\_tot.dgn

\_ · · · ·

Joe\_YoonFriday, November 22, 2013 AT ILEZ3 ANN

· • •

	120	100	80	60	40	20	Q		120	100	80	60	40	20	0	,
		~														
						~										
0								270290								29(
0																00
0							18 + 50.00	260280							19+25.00	28
						· · · · · · · · · · · · · · · · · · ·										
								-								
	-							-								
0								280290 —								29
0								270280								280
0							18+25.00	210200						*	19+00.00	200
	· · · ·										· ·					
0								280280								280
0								270270								27(
							18+00.00								18+75.00	
וח	120 DEPARTMENT OF 1	100 PUBLIC WORKS	80	60	40	20	DÈS: JHY		120	100	80	60	40	20	0	`
	DEPARTMENT OF F HOWARD COUNTY 12/23/13 IKS DATE	MARYLAND	<u>27.2) 12/23/13</u> INEERING DATE	PREPARE UUTE 4 NORTH PA HUNT VALLEY, TEL: (410) T	D BY						<b>CROSS SEC</b> ГА. 18+00 ТО	<b>FIONS</b> STA 19+25	TIMBEF	RS OF TROY SLOPE REME	GOLF COURSI	E
DELC WORK	RKS DATE <u>/Z/Z3//3</u> NSPORTATION DATE ECTS	CHIEF, BUREAU OF ENGI Mit Zinh CHIEF, BUREAU OF HIGH		4 NORTH PA HUNT VALLEY, TEL: (410) 1	RK DRIVE MARYLAND 85-7220		3 CHK: DTM 3 DATE: 11/13 BY N		EVISION			BLOCK NO	ELECT	ION DISTRICT NO. 1 -	JESSUP, MARYLAND	