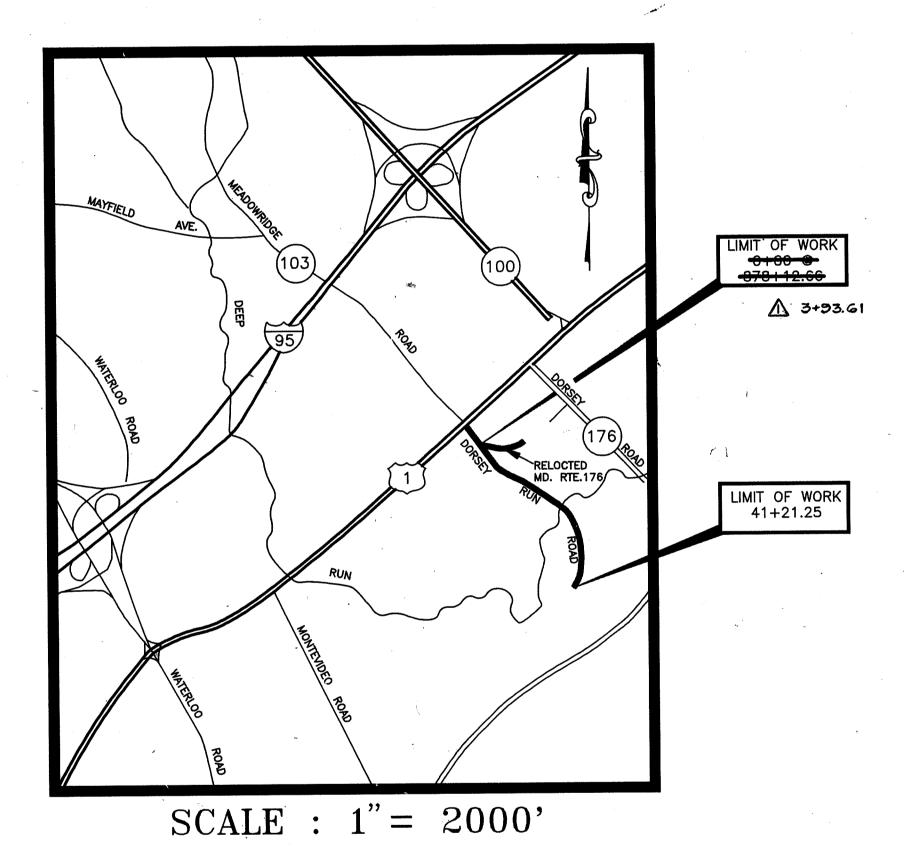
HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

PART OF PHASE I NOT IN THIS CONTRACT

A CROSS SECTIONS NOT PART OF CONTRACT.
SUPPLIED TO CONTRACTOR AS A SEPERATE DOCUMENT.



DORSEY RUN ROAD

ROADWAY IMPROVEMENTS
CAPITAL PROJECT J-4114

GENERAL NOTE

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
- 2. The contractor shall notify the Department of Public Works/Construction Inspection Division at (410-313-1880) at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at Least 48 hou prior to any excavation work.
- 4. Traffic control devices, markings, and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- A field run survey was conducted by Boender Associates, Inc. on or about Feb of 1992.
- 5. Light poles and fixtures for street lights shall be in accordance with the latest Howard County Design Manual, Volume III Roads and Bridges.
- 7. Stormwater Management for water quality will be provided.
- 8. Wetlands delineation was performed by Brightwater, Inc. on June 1994.
- 9. Existing utilities were located by a field run survey and approved county As—

CUT AND FILL SUMMARY

		ARI	EAS	VOLU	DUES	CUMULATIVE VOLUME		
SMATION		Square	Feet	Cubic	Yards	Cubic Yards		
		CUT	FILL	CUT 0.85	FILL	CUT 0.85	FYL	
5+28	83	81.88	73.05	57.47	65.15	57. 4 7	65.15	
5+5	5+50 75.70 78.79 6+00 69.95 84.00 +41.45 66.41 88.42		114.63			215.89		
6+0			88.96			348.22		
6+41.45 6+50		66.41	88.42 89.35	17.65			376.12	
		65.80		95.68			549.40 750.05 1032.79 1569.36	
7+0	7+00 5 16		99.10	67.85				
7+50 8+00		30.05	119.35	24.35				
		0.00	188.43	0.00				
8+5	50	0.00	391.07	0.00			2487.15	
9+0	00	0.00	595.31	0.00			2902.50	
9+17	.76	0.00	64.56	0.00			3807.24	
9+5	50	0.00	850 59	0.00			5723.90	
10+	00	0.00	1219. 1	0.00			8129.95	
10+	50	0.00	1379.13				10635.78	
11+	00	0.00	1327.16	0.00			12825.20	
11+	50	0.00	1037.42	0.00			14437.69	
12+	00	0.00	704.06	0.00			15422.60	
12+	50	0.00	359.64	23.02			15864.97	
13+	00	42.71	118.13	130.08			16031.65	
13+	50	122.56	61.88				16137.25	
14+	00	133.92	52.18	201.86	·		16203.2	
14+	50	197.96	19.09	261.20			16399.33	
15+	.00	130.74	192.74	258.70			16549.11	
15+1	3.63	47.25	400.44	38.20		65.15 57.47 150.74 172.10 132.34 261.06 27.90 278.71 173.28 374.69 200.65 442.24 282.73 466.59 536.58 466.59 917.79 466.59 415.33 466.59 904.74 466.59 1916.66 466.59 2505.82 466.59 2189.42 466.59 1612.49 466.59 1842.37 500.21 166.67 630.28	17329.10	
15+	-50	0.14	776.67	27.57			18697.28	
16+	-00	4.76	716.84	4.00			19754.20	
16+	-50	32.32	436.63	30.20	 		20239.2	
17+	-00	164.73	96.69	159.35			20325.6	
17+	-50	8563	0.00	811.24	 		20325.6	
18+	-00	914.49	0.00	1392.44			20325.6	
18+3	54.61	1030.58	0.00	1058.17			20325.6	
18+	-50	1050.75	0.00	504.19			20325.6	
19+	-00	1148.66	0.00	1731.02			0325.6	
	-80	1090.85	0.00	1762.58			20325.6	
	-00	1155.15	0.00	1767.69				
	-50	826.39	0.00	1559.54			20326.6	
	-00	118.75	66.22	743.86			20386.9	

1	AR	FAS	VOLU	DAGES	CUMULATIVE VOLUMES			
STATION	Square	Foot	Cubic	Yards	rds Cubic			
534110N	CUT	FILL	CUT 0.85	FILL	CUT 0.85	FYL		
23+50	270.61	15.98	1029.33	14.79	1029.33	4.79		
24+00	1037.24	0.00	1414.18	0.00	2443.51	14.79		
24+50	759.61	0.00	939.56	20.78	3383.07	35.57		
25+00	434.19	22.44	25.21	1.67	3408.28	37.25		
25+01.86	26.33	26.07	433.24	234.20	3841 62	271.44		
25+50	156.29	231.60	117.60	775.99	3959.12	1047.44		
26+00	0.00	596.96	0,00	940.81	3959.12	1988.25		
26⊹50	0.00	415.20	38.23	488.50	3997.35	2476.74		
27+00	49.79	118.15	207.05	132.36	4204.40	2609.11		
27+50	212.85	28.04	445.20	25.19	4649.61	2634.29		
28+00	350.76	0.00	645.91	0.00	5295.52	2634.29		
28+50	467.02	0,00	773.21	0.00	6068.73	2634.29		
29+00	514.62	0.0	798.59	0.00	6867.32	2634.29		
29+50	501.56	0.00	823.87	0.00	7691.19	2634.29		
30+00	545.23	0.00	873.12	0.00	8564.31	2634.29		
30+50	562.71	0.00	911.21	0.00	9475.52	2634.29		
31+00	594.91	0.00		0.00	10554.55	2634.29		
31+50	776.65	0.00	1079/03	0.00	11861.64	2634.29		
32+00	883.54	0.00	1377,09	0.00	13214.31	2634.29		
32+50	833.59	0.00		0.00	14495.37	2634.29		
33+00	789.06	0.00	1281.06			2634.29		
33+50	969.06	0.00	1390.69	0.00	15886.06			
34+00	1115.90	0.00	1645.52	0.00	17531.57	2634.29		
34+50	1089.46	0,00	1735.75	0.00	19267.32	2634.29		
35+00	949.89	0.00	1602.02	0.00	20869.34	2634.29		
35+50	884.73	0.00	1438.51	0.00	22307.85	2634.29		
36+00	769.64	0.00	1295.10	0.00	23602.94	2634.29		
36+50	614.11	0.00	1084.81	0.00	24687.76	2634.29		
37+00	329.76	1.72	745.63	1.57	25433.39	2635.86		
37+50	167.07	40.01	387.76	39.75	25821.15	2675.61		
38+00	16.64	89.97	219.56	123.54	26040.71	2799.15		
38+50	115.50	71.16	182.11	153.17	26222.32	2952.32		
39+00	168.02	60.57	220.70	125.22	26443.52	3077.54		
39+50	172.83	109.50	265.02	161.50	26708.55	3239.05		
40+60	61.09	179.98	181.11	274.52	26889.66	513.56		
404-50	35.36	131.05	74.41	294.72	26964.07	3808.29		
1+00	125.56	65.79	125.09	186.89	27089.16	3993 18		
	176.29	54.25	71.61	34.25	27160.77	4029.42		
41+15	170.29	34.23	0.00	0.00	27160.77	4029.42		

DEPARTMENT OF PUBLIC WORKS

DIRECTOR OF PUBLIC WORKS

DATE CHIEF, BUREAU OF HIGHWAYS

S/12/95

CHIEF, BUREAU OF HIGHWAYS

DATE

S/12/95

CHIEF, BUREAU OF ROADS, BRIDGES

DATE

TITLE SHEET

PROJECT: DORSEY RUN ROAD, PHASE II

LICATION 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TAX MAP: 43 PARCEL: BLICK:

DEED REFERENCE: COUNTY FILE No.: J-4114

SCALE: AS SHOWN JB JRG CHECKED BY: MAR. 1995

DATE REVISION BY FIELD BOOK PAGE NO. JOB NO. DRAVING NO.

TEXT OF THE COUNTY FILE NO.: J-4114

SCALE: AS SHOWN JB JRG CHECKED BY: MAR. 1995

DATE REVISION BY JB JRG JOB NO. JOB N

SUMMARY:

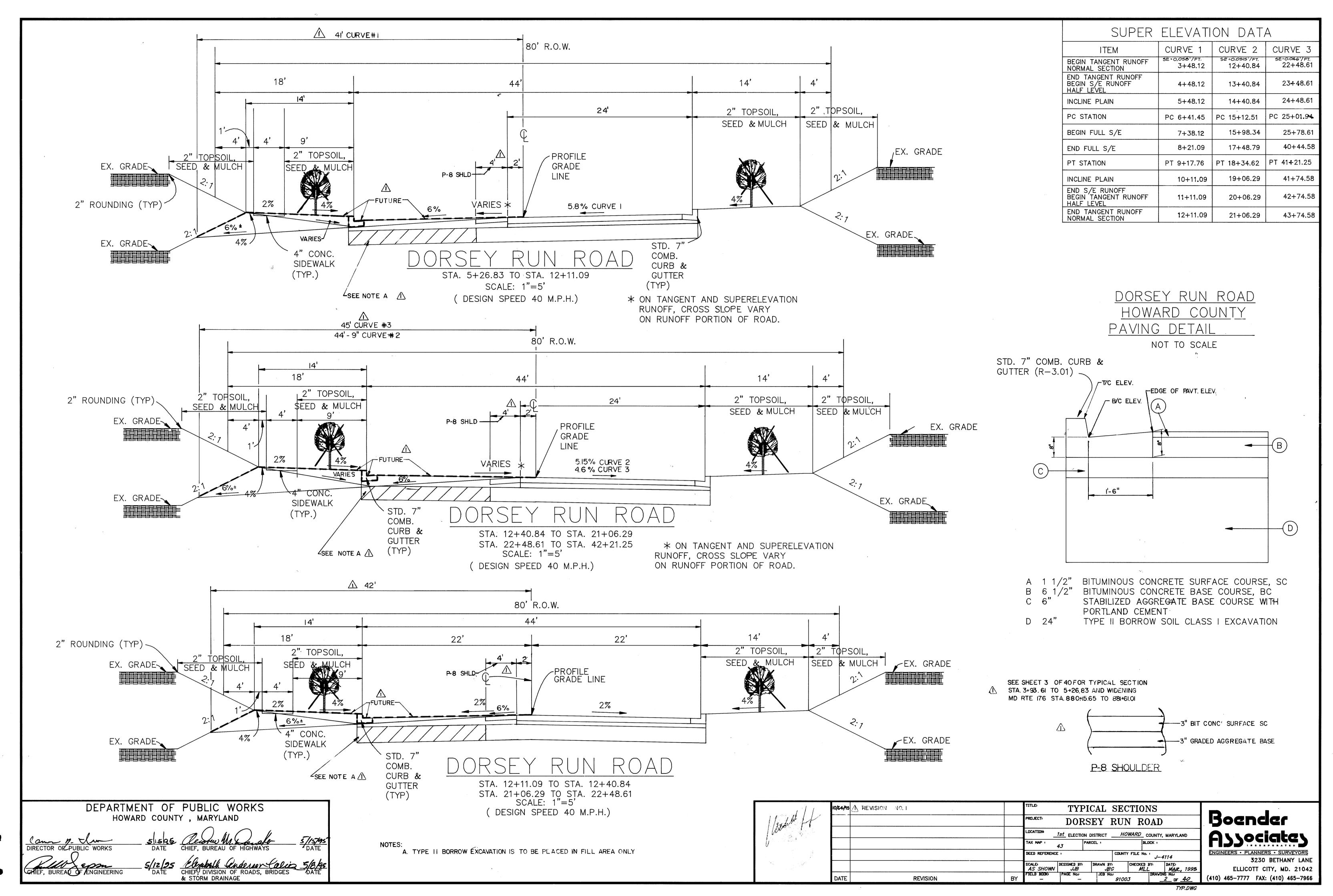
Boender Associates

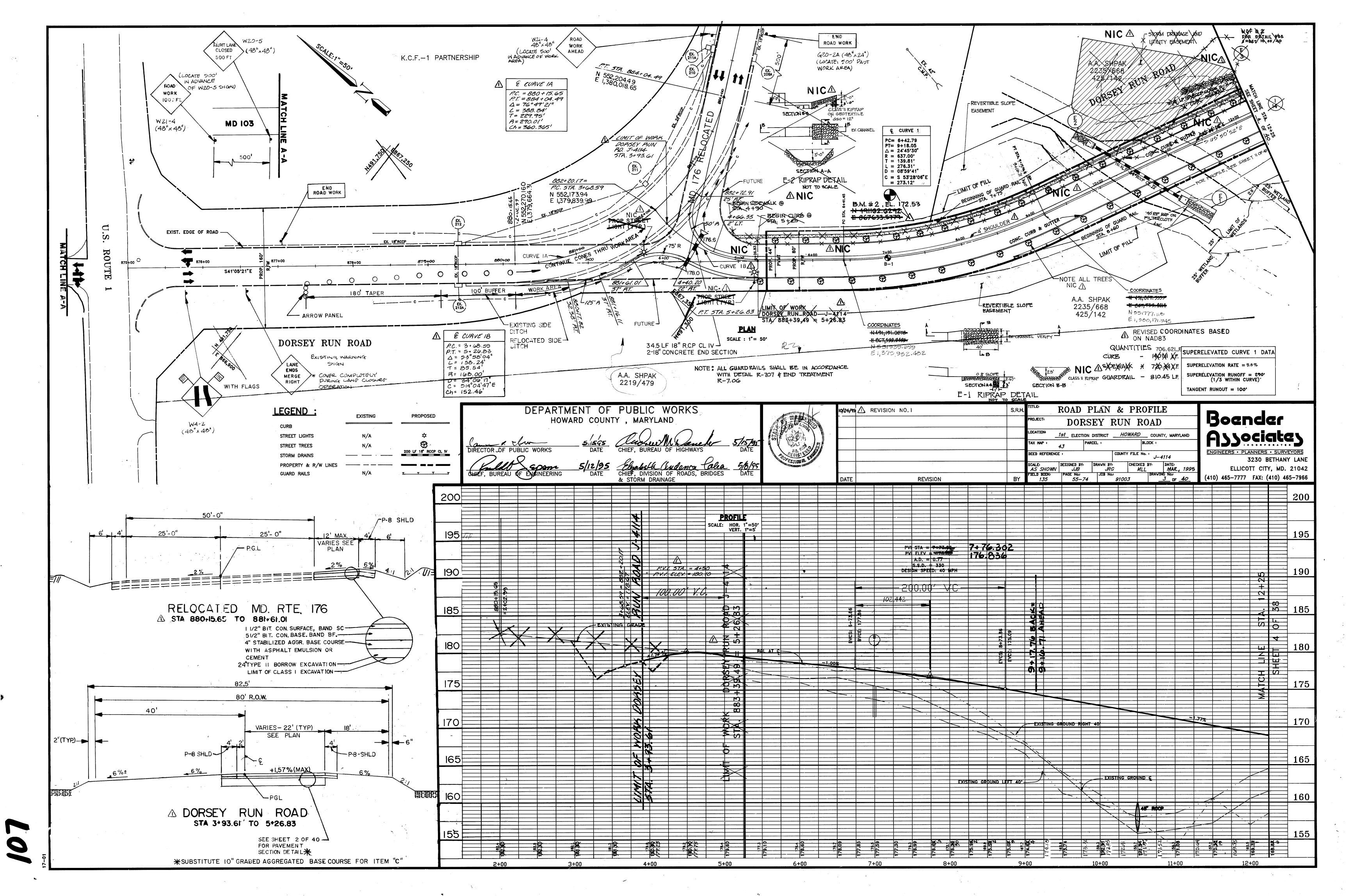
GINEERS · PLANNERS · SURVEYORS

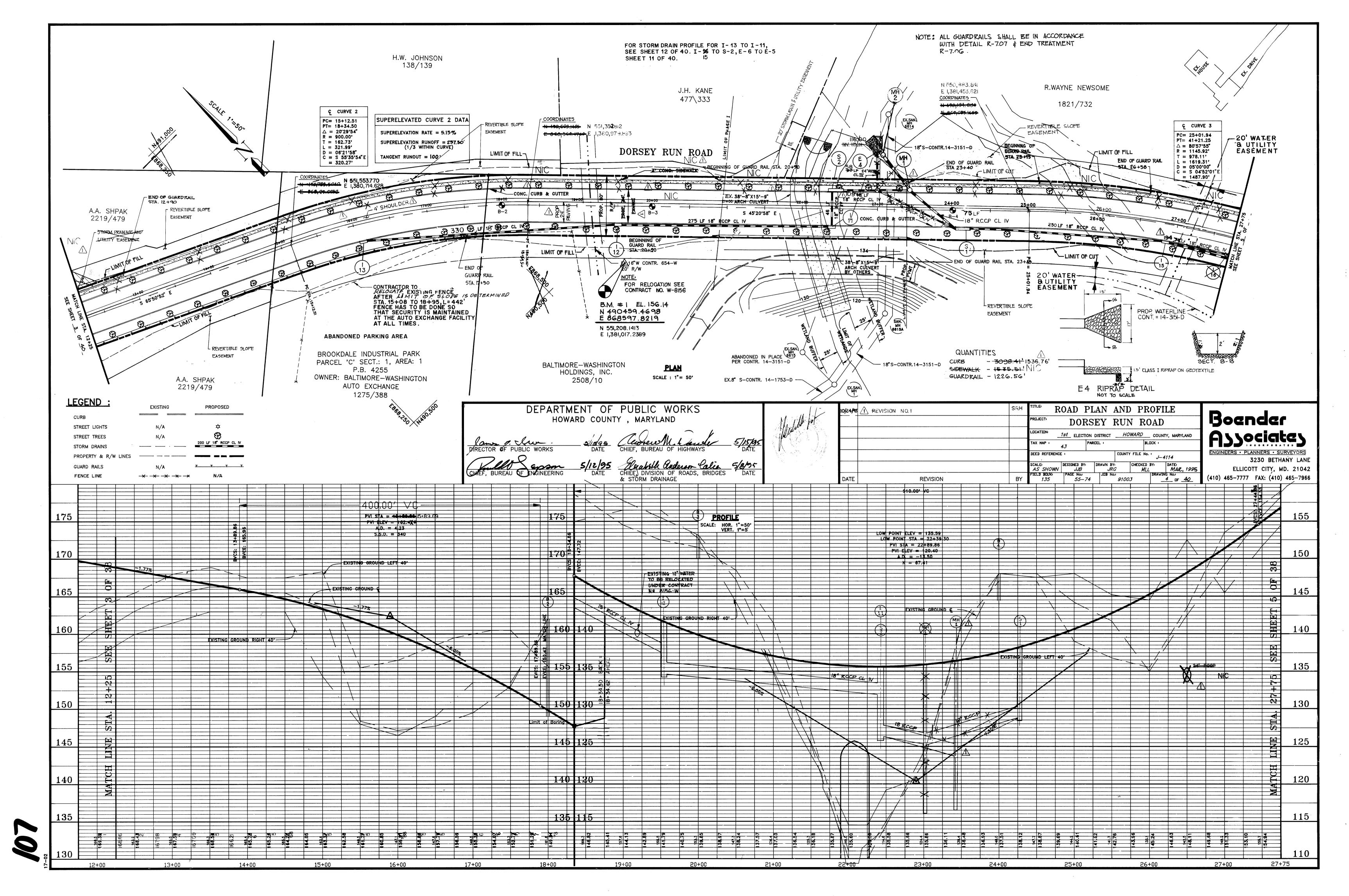
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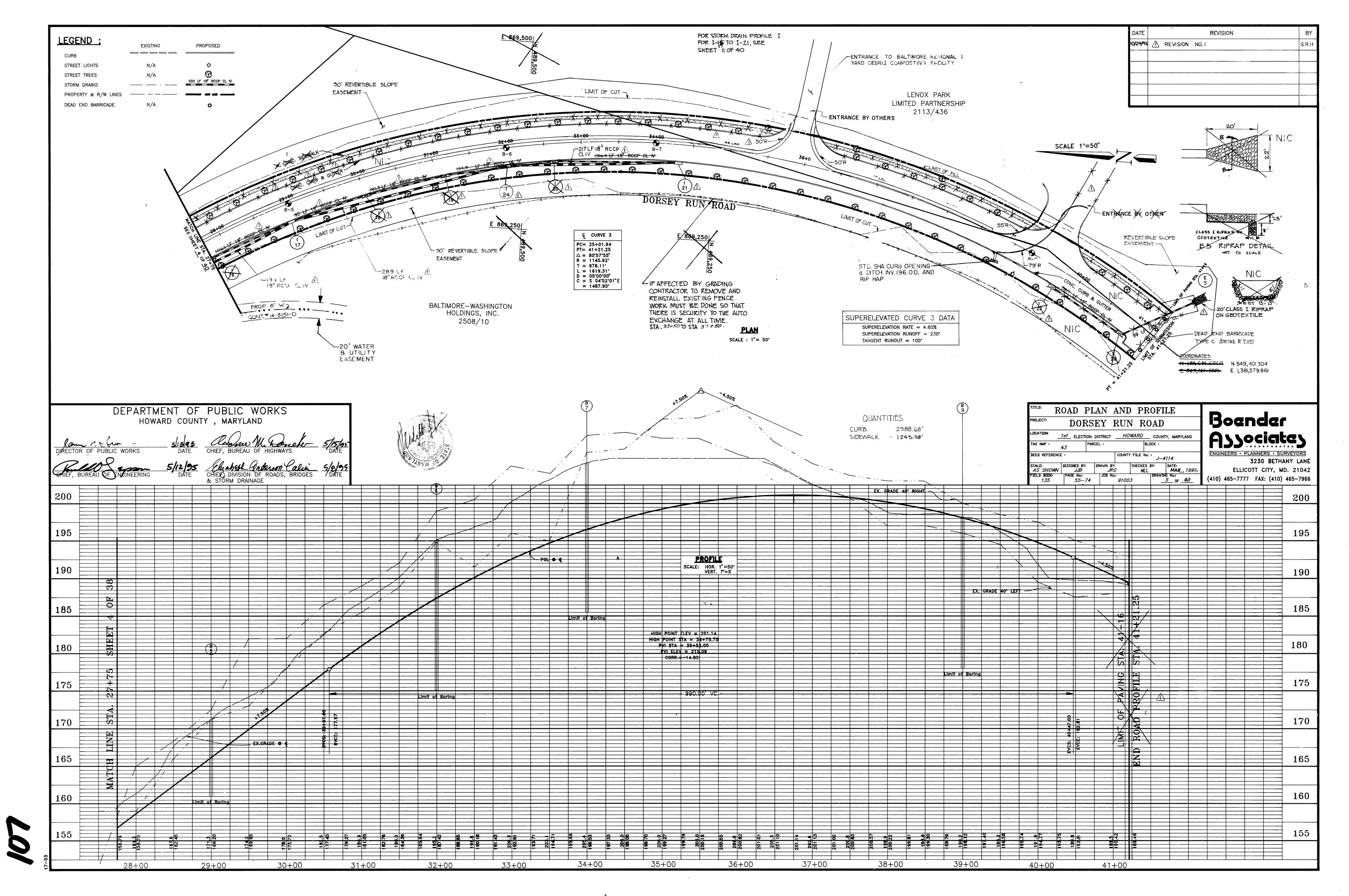
ELLICOTT CITY, MD. 21042

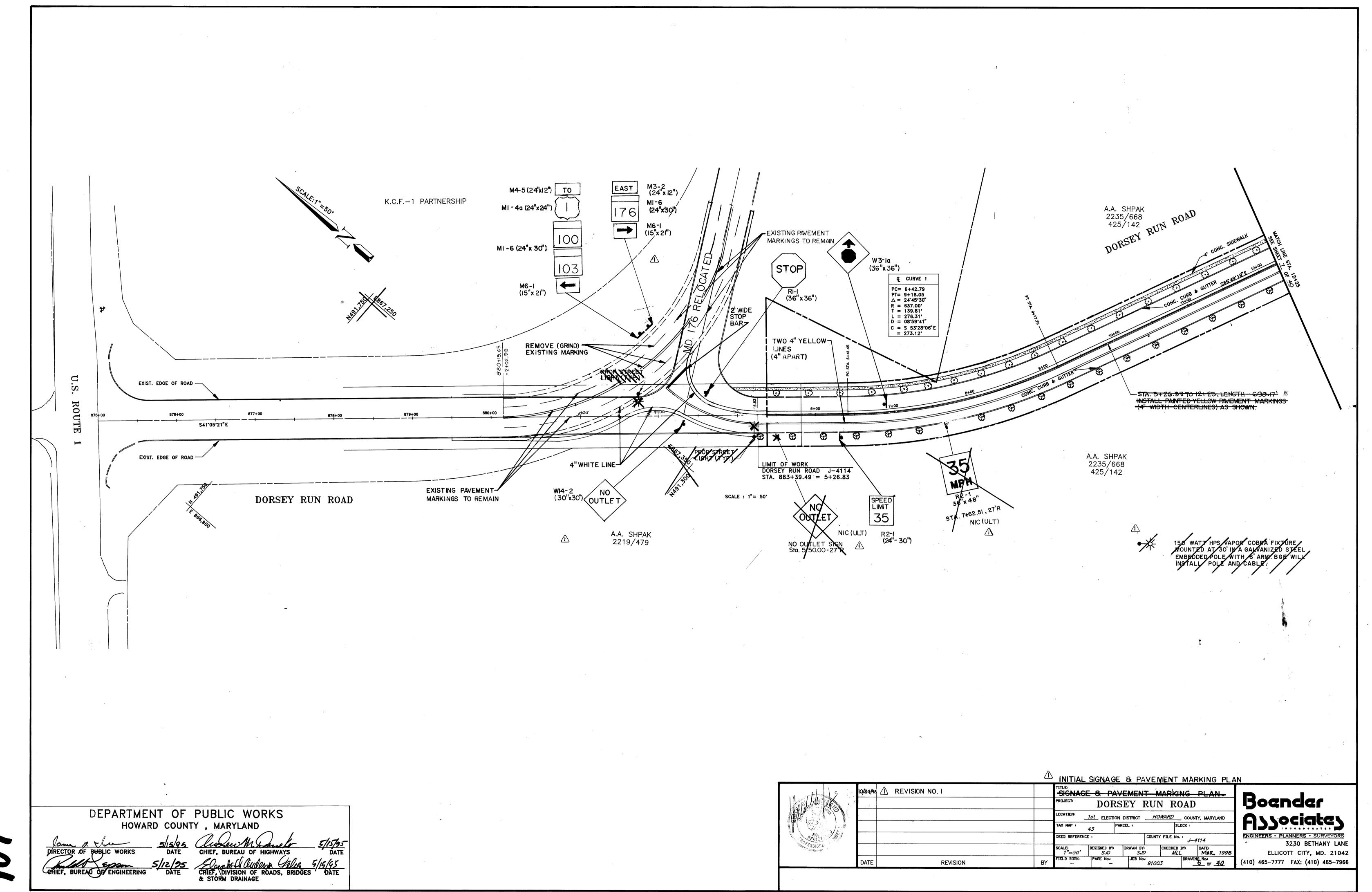
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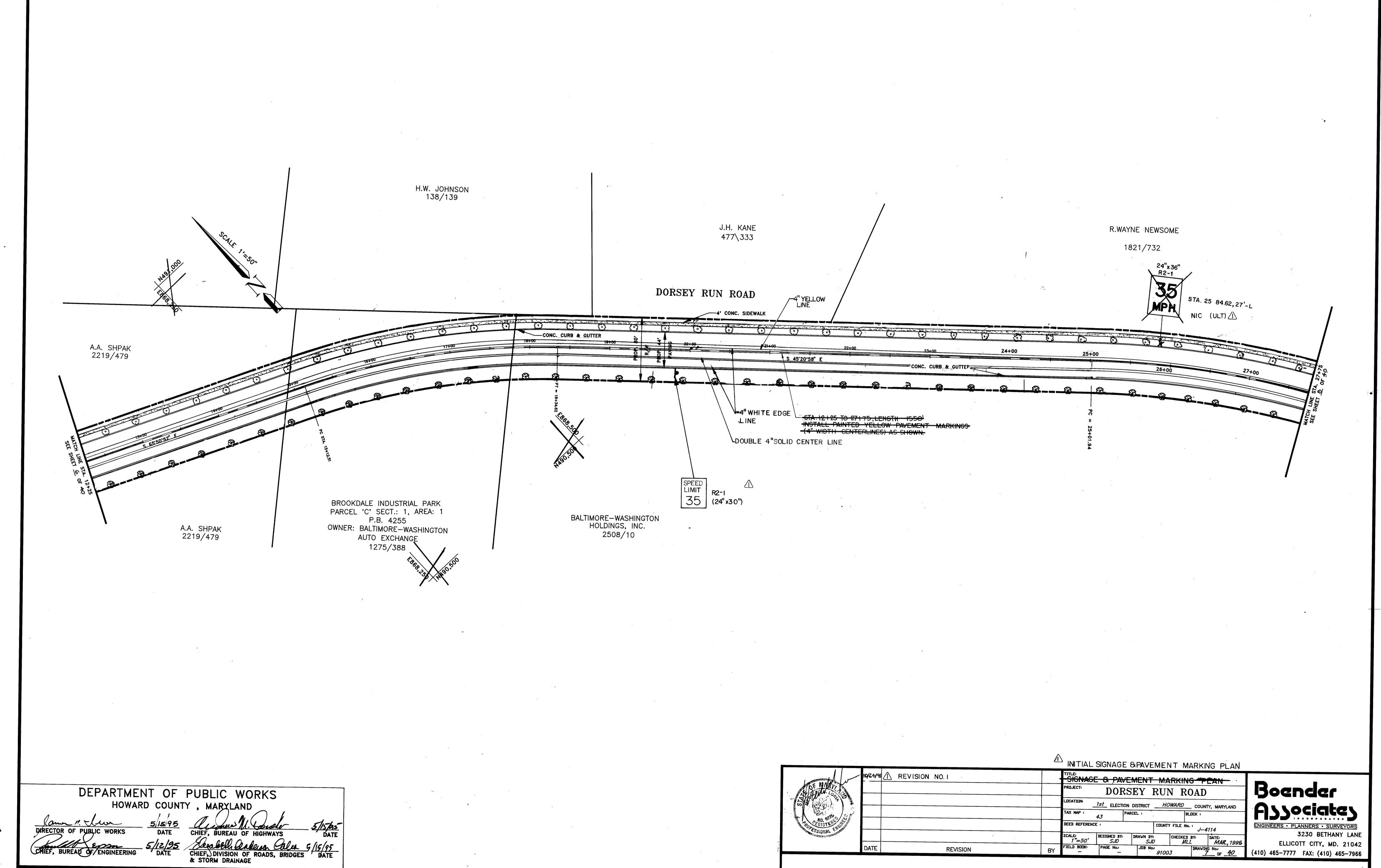




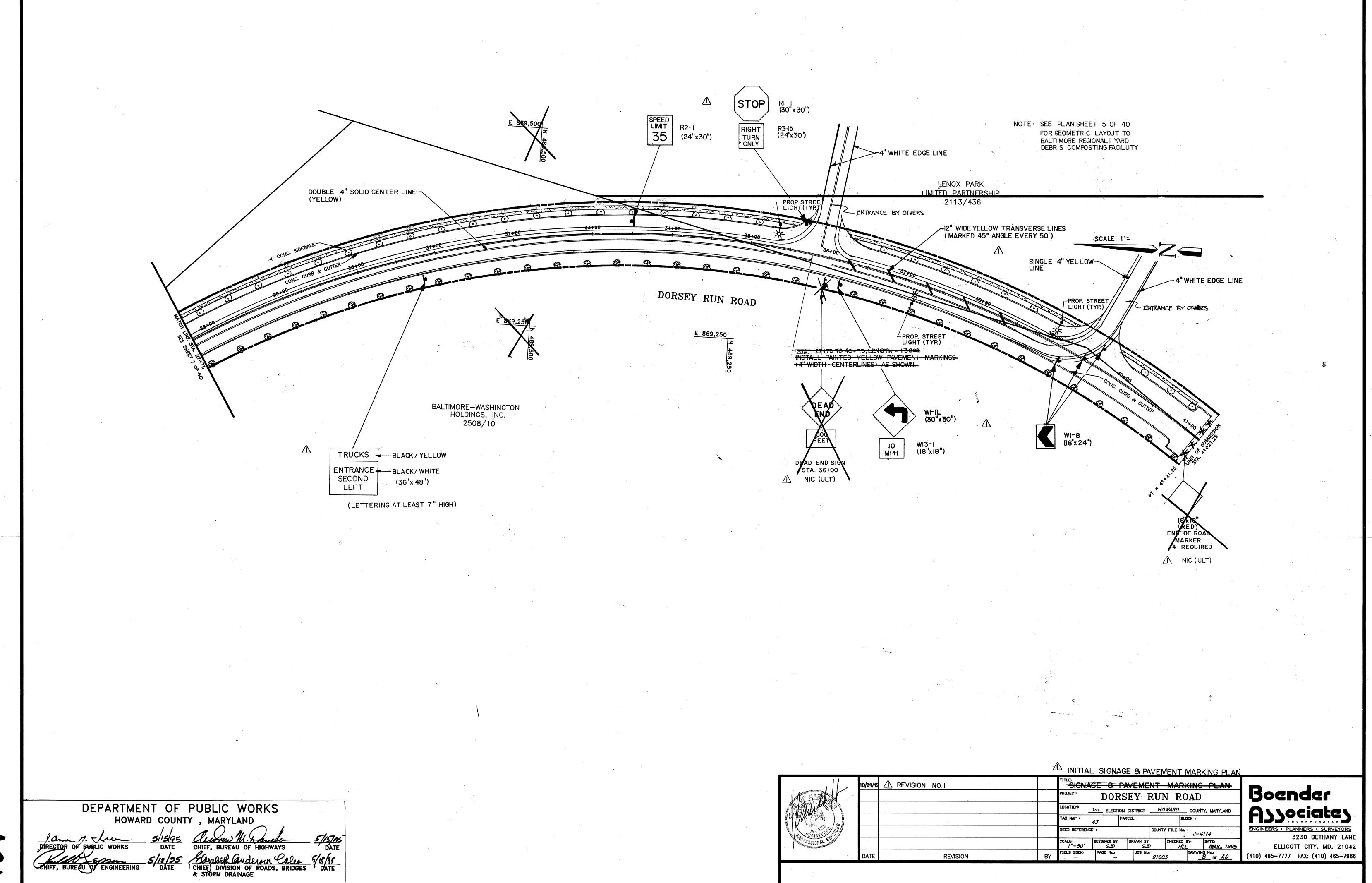




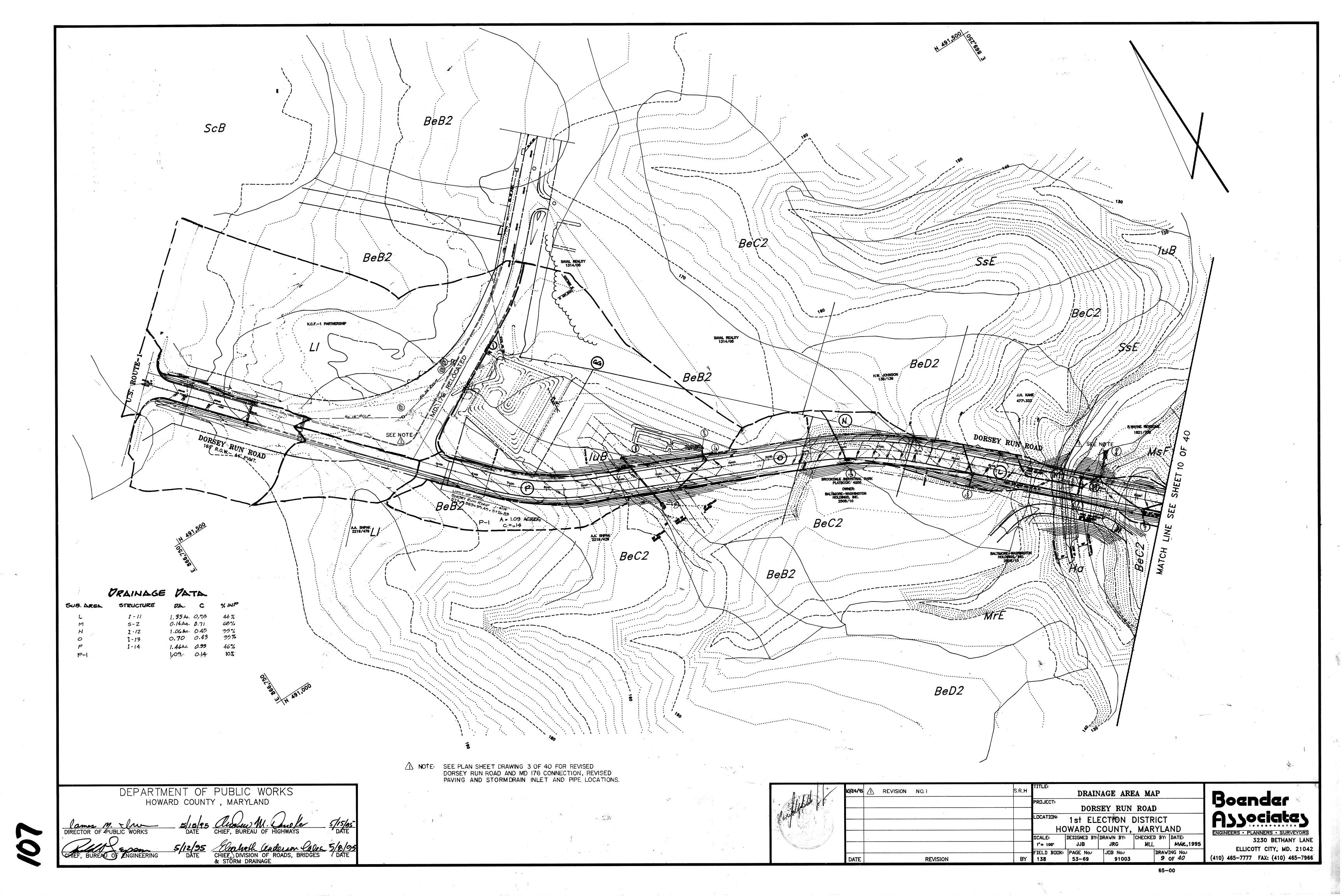
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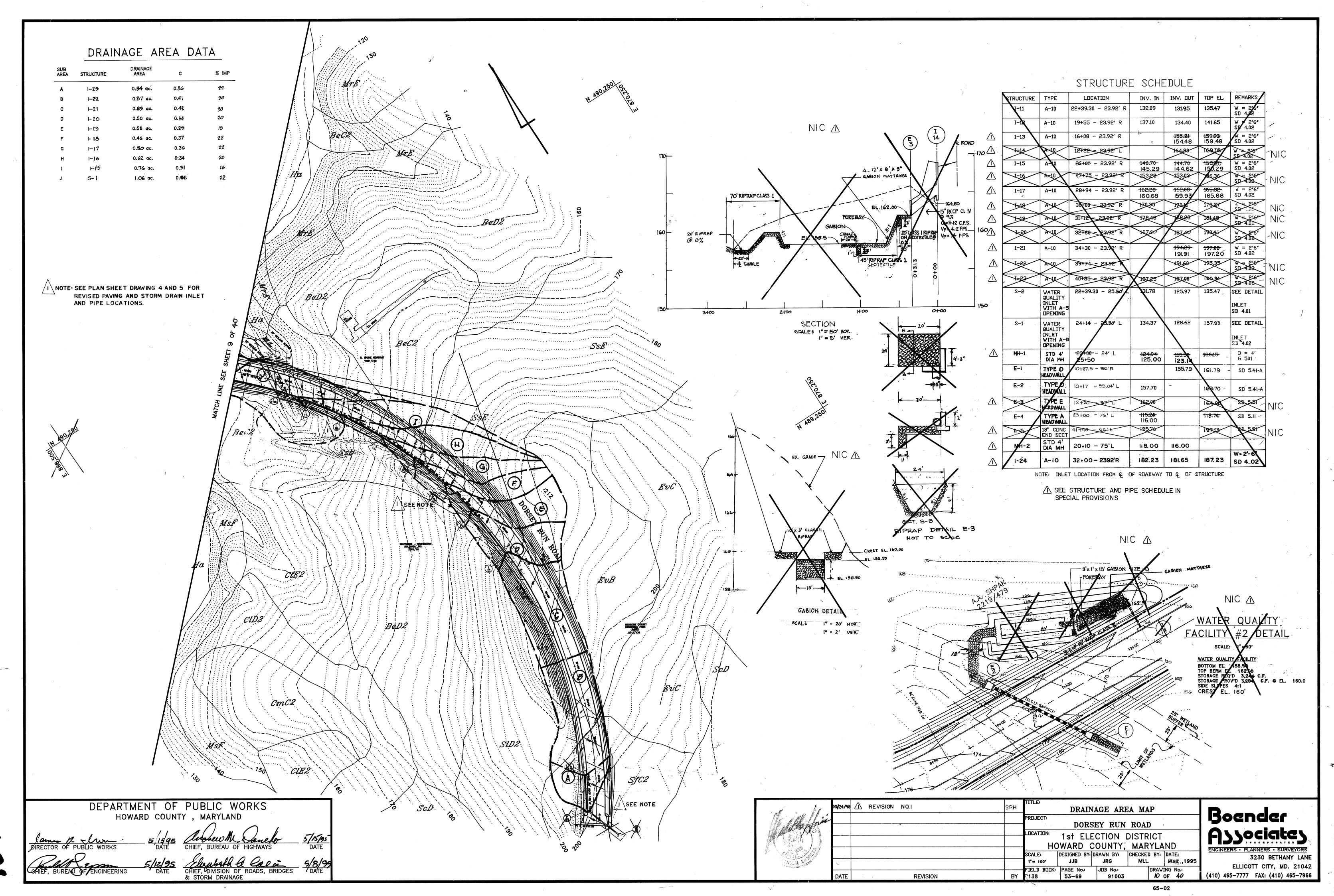


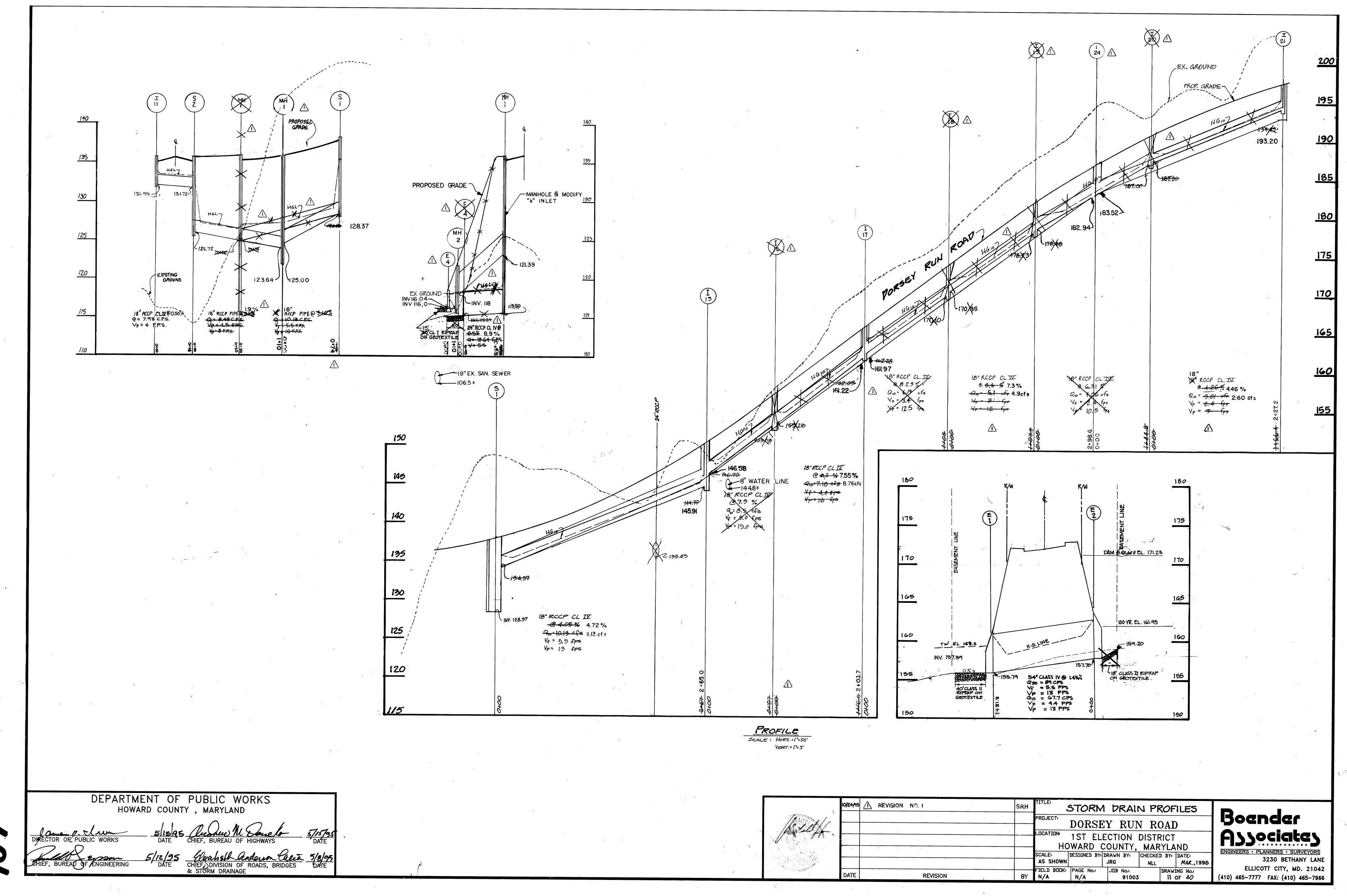
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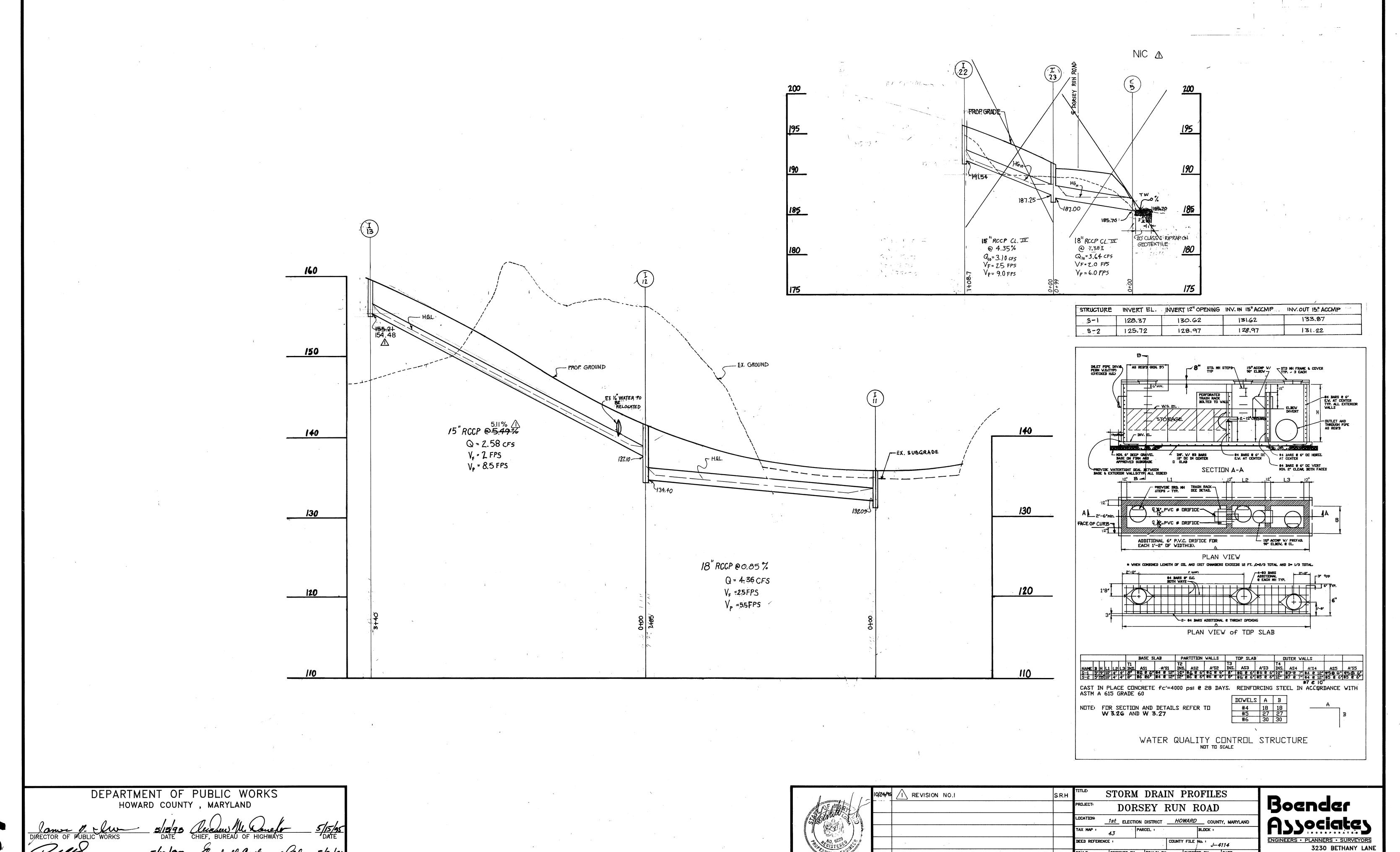


STRIP-3.DV







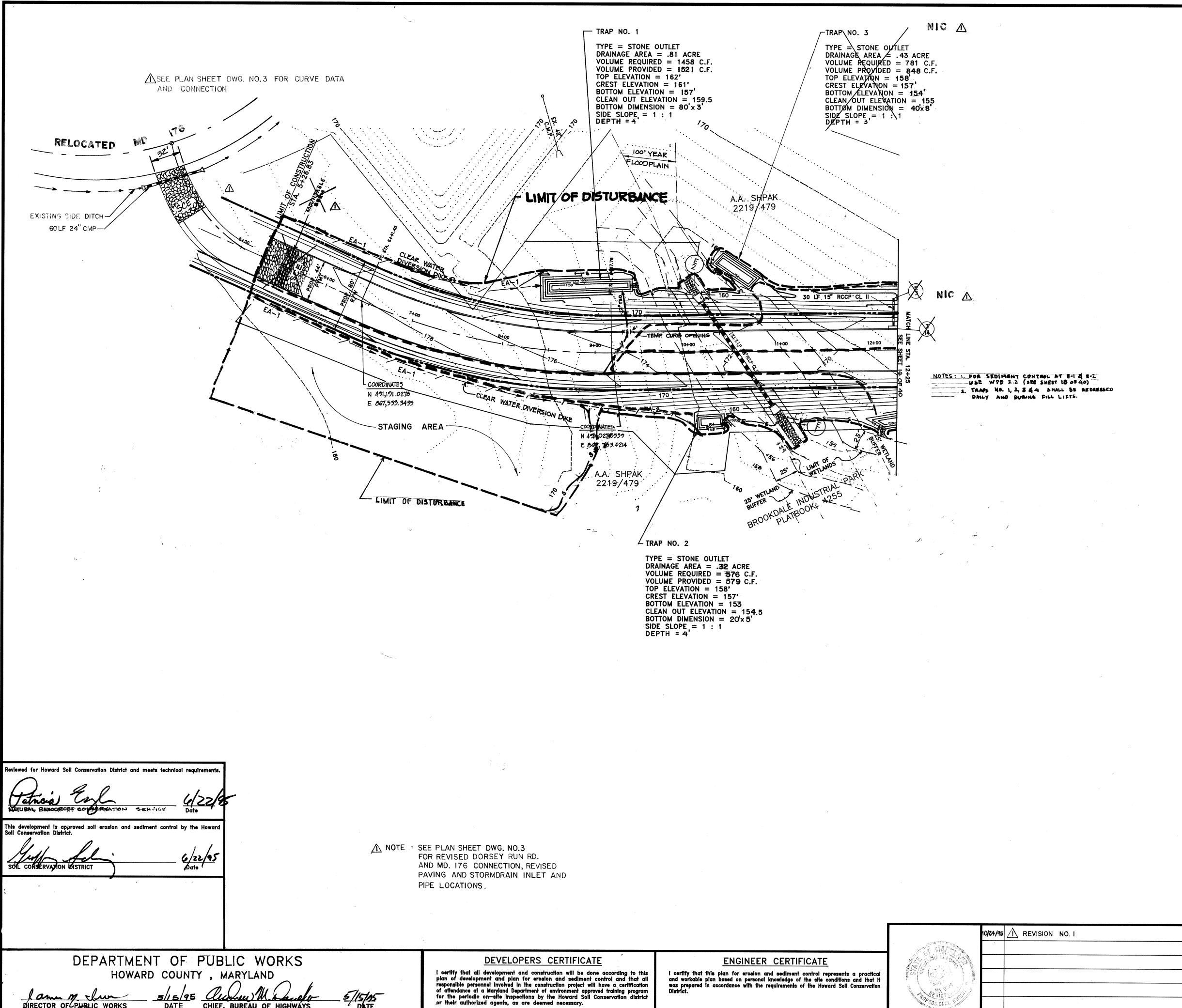


ELLICOTT CITY, MD. 21042

(410) 465-7777 FAX: (410) 465-7966

REVISION

CHIEF DIVISION OF ROADS, BRIDGES & STORM DRAINAGE



SEQUENCE OF CONSTRUCTION

- 1. Obtain grading permit and NTWW Permit # 93-NT-0547.
- 2. Install all sediment control measures shown on plan.
- 3. Install 54" pipe from E-1 to E-2 and obtain permission from Sediment Control Inspector to proceed. Construction should proceed only if there is a 5-day clear weather forecast.
- 4. Grade the road and install all utilities. The following conditions should be followed during the grading operation.
- a. Remove excess fill or construction material or debris to an upland disposal area outside of any waterway, floodplain, nontidal wetland, or buffer;
- b. If backfill is obtained, use clean material free of waste metal products, unsightly debris, toxic material or any other deleterious substance;
- c. Place materials in a location and manner which does not adversely impact surface or subsurface water flow into or out of the nontidal wetland;
- d. Maintain the hydrologic regime of nontidal wetlands outside the limits of disturbance.
- e. Rectify any nontidal wetlands and buffers temporarily impacted by the permitted activity. All stabilization in the wetland and buffer shall be of the following recommended species: Annual Ryegrass (Lolium multiflorum), Millet (Setaria italica), Oats (Uniola sp.), and/or Rye (Secale cereale). Other non-persistent vegetation may be acceptable, but must be approved by the Nontidal Wetlands Division. Kentucky 31 fescue shall not be utilized in the wetland or buffer. All temporary fills shall be removed in their entirety on or before the completion of construction;
- f. To protect important aquatic species, in—stream work is prohibited as determined by the classification of the stream as follows:
- Class I Waters: In-stream work may not be conducted during the period March 1 through June 15, inclusive, during any year.
- g. Place heavy equipment on mats or suitably operate the equipment to prevent damage to the nontidal wetlands;
- h. No removal of vegetation, grading, filling, draining or other alteration of the nontidal wetlands or buffer outside the limits of disturbance shall occur, either during construction or after completion, without written authorization from the Water Resources Administration.
- 5. Stabilized all disturbed areas.
- 6. Removes all sediment control measures after approved by Howard County Sediment Control Inspector.

	10/24/95	Λ REVISION N	NO. I	S.R.H TITLE SEDIMENT CONTR				ONTROL	OL PLAN	
SO LL	·				PRILJECTI DORSEY RUN RO				OAD	
					LOCATION	1st ELECTION	DISTRICT	HOWARD	COUNTY, MARYLA	ND
			·	 	TAX MAP I	4.3 PA	RCEL 1	BLC	ICK •	
					DEED REFERENCE : COUNTY FILE No. : J-4114			<i>J-4114</i>		
1 58 58 6 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					SCALE: 1" = 50'	DESIGNED BY	DRAWN BY			1995
	DATE		REVISION	 BY	FIELD BOOK	PAGE No.	JDB No	91003	DRAVING No.1 15 DF 4	

3oender Jyociates GINEERS . PLANNERS . SURVEYORS 3230 BETHANY LANE

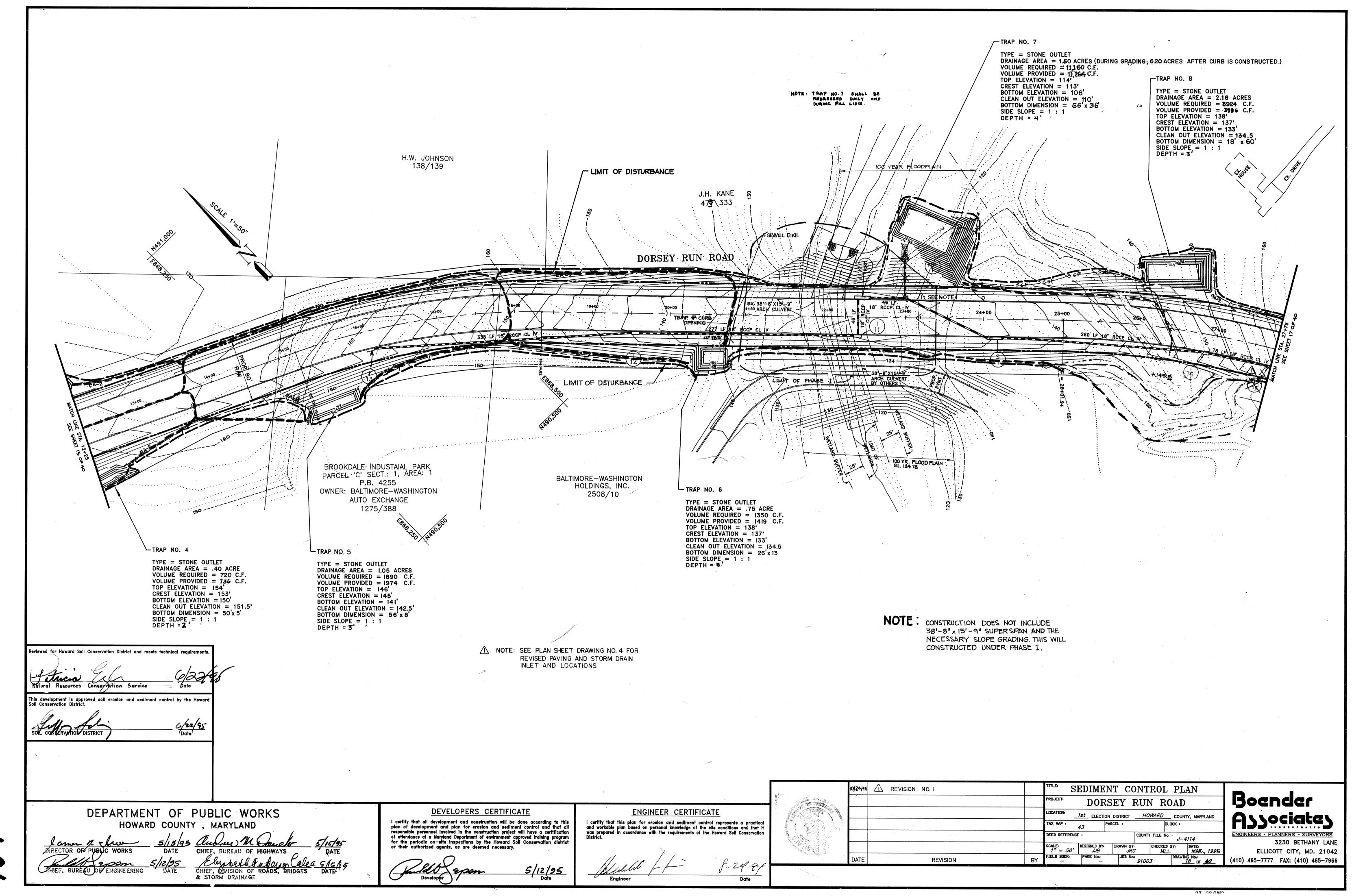
ELLICOTT CITY, MD. 21042) 465-7777 FAX: (410) 465-7966

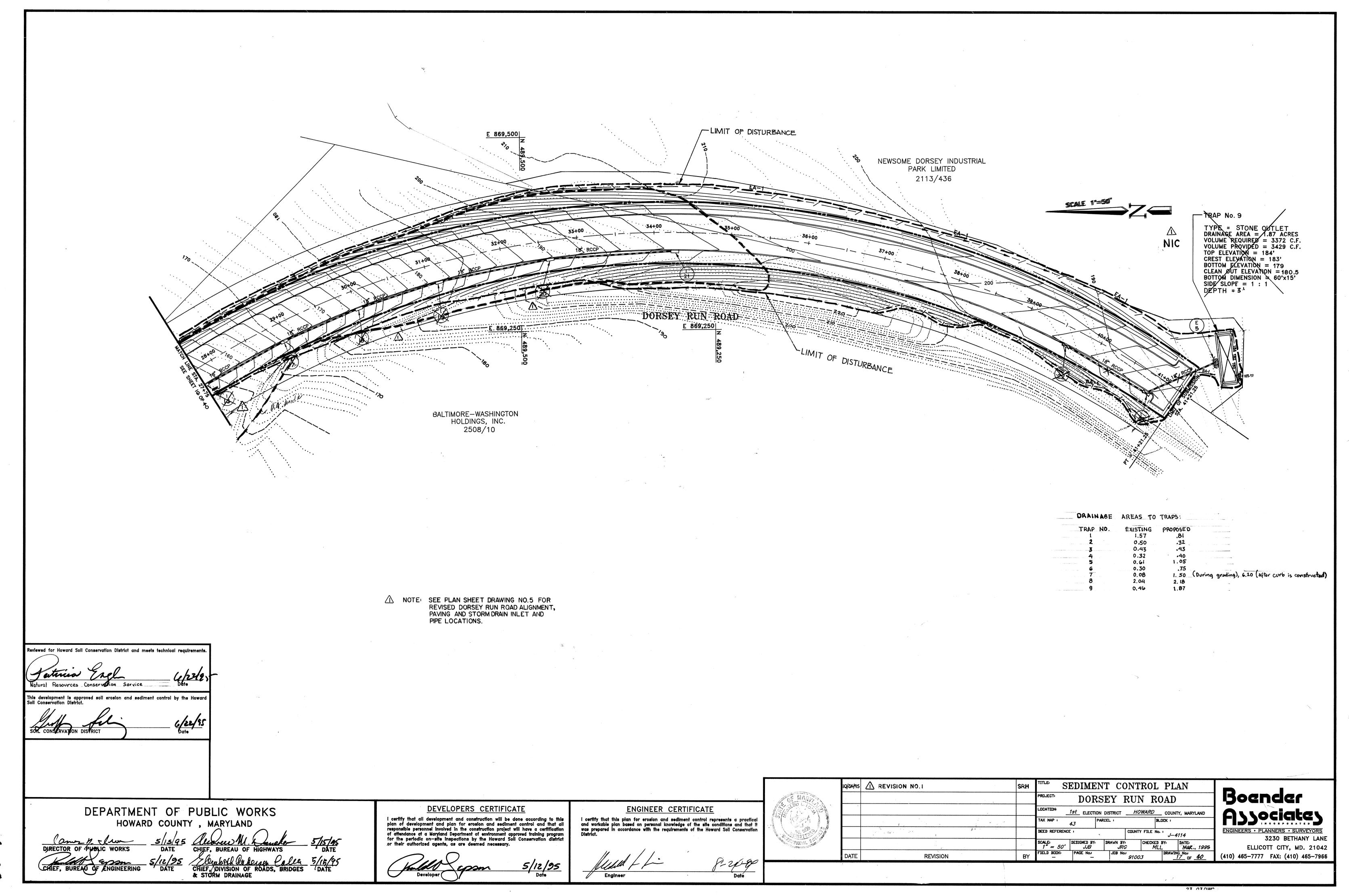
DIRECTOR OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING

DATE CHIEF, BUREAU OF HIGHWAYS

State fi adding Cole a 5/19/95 CHIEF, DIVISION OF ROADS, BRIDGES DATE & STORM DRAINAGE





TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq. ft.). For the period November 16 thru 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.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphali on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not

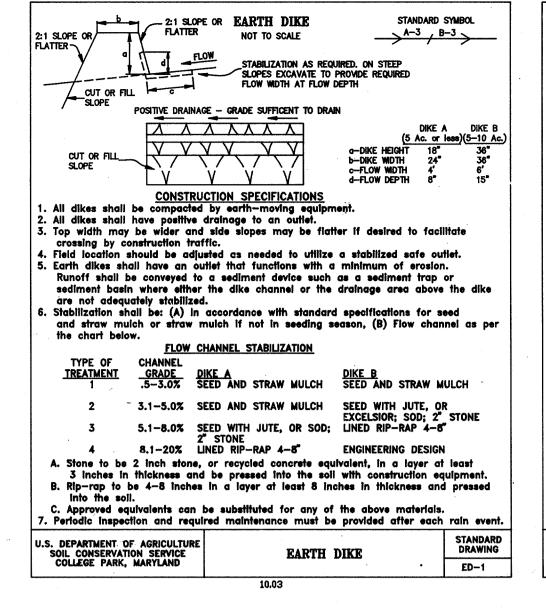
Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

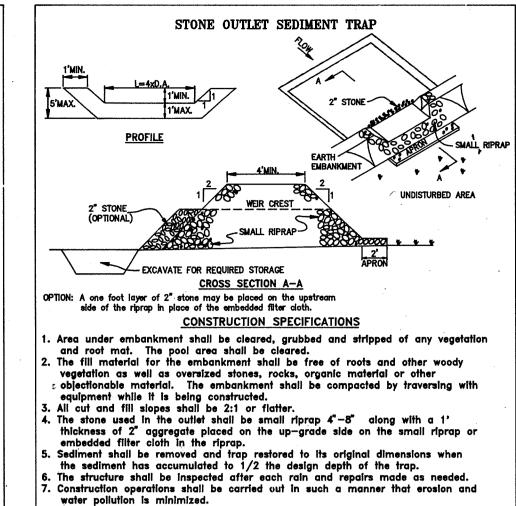
- 1) Preferred Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (lbs/1000 sq ft).
- 2) Acceptable -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs,

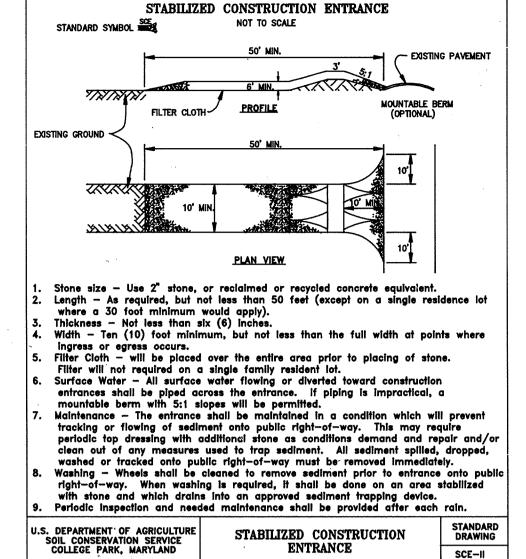


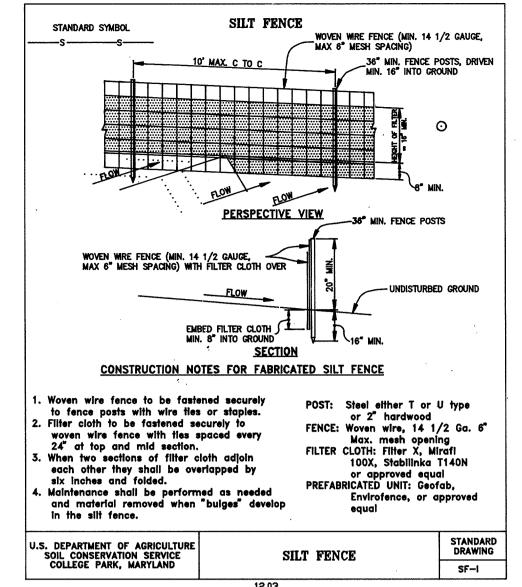


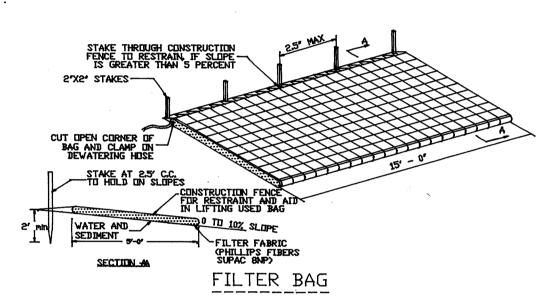
STONE OUTLET

SEDIMENT TRAP

ST-V





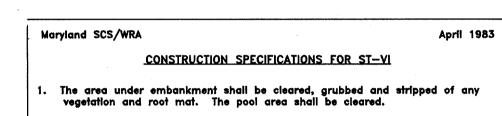


TEMPORARY EROSION CONTROL MEASURE

1 FILTER BAG SHALL BE PLACED ON A SLOPING OR LEVEL, VELL-VEGETATED SITE SUCH THAT WATER WILL FLOW AWAY FROM STRUCTURES AND WORK AREAS.

2. THE FILTER BAG MUST BE STAKED IN PLACE AND SECURED TO THE PUMP DISCHARGE LINE.

3. FILTER BAG SHALL NOT BE USED FOR DISCHARGE FLOWS GREATER THAN 300 GPM. 4. DEVICE SHALL BE REMOVED AND DISPOSED OF AFTER BAG IS FILLED WITH SEDIMENT



.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND

vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment . All fill slopes shall be 2:1 or flatter; Cut slopes 1:1 or flatter.

The fill material for the embankment shall be free of roots or other woody

. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.

Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the

Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) Inches into existing ground at entrance of outlet channel.

Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) Inch or finer aggregate shall be placed on the upstream face of the outlet.

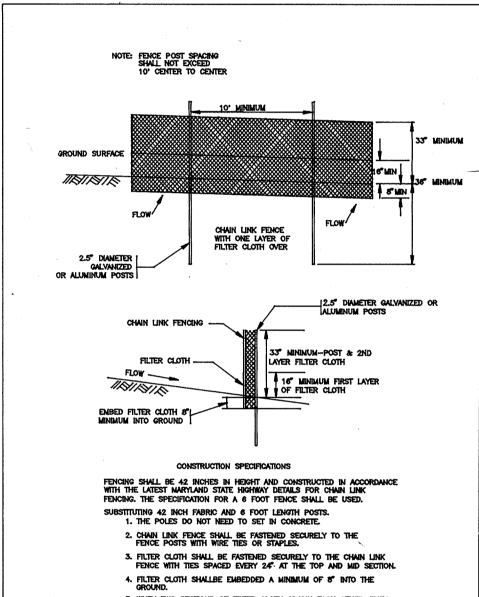
Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. liment shall be deposited in a suitable area and in such a manner that it will not erode.

). The structure shall be inspected after each rain and repaired as needed.

10. Construction operations shall be carried out in such a manner that erosion and water poliution are minimized.

11. The structure shall be removed and the area stabilized when the drainage

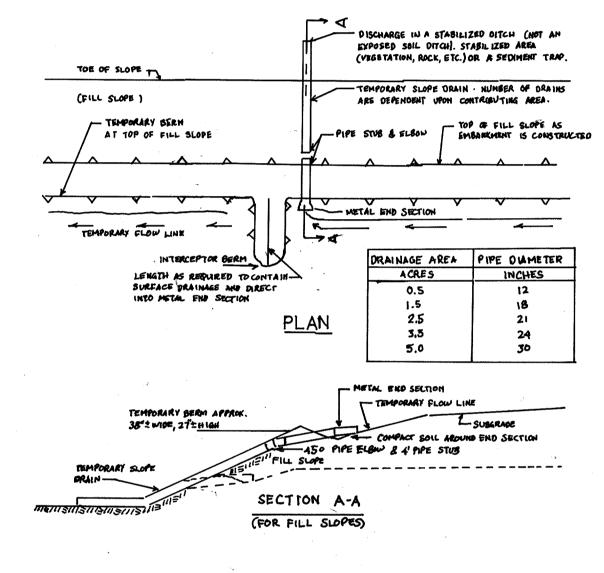
area has been properly stabilized. 12. Drainage area for this practice is limited to 15 acres or less.



5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 AND FOLDED.

6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SUPER SILT FENCE DETAIL



TEMPORARY SLOPE DRAIN SHALL BE USED AT THE TOP OF FILL SLOPE AS EMBANKMENT IS CONSTRUCTED TO PREVENT EXCESSIVE EROSION UNTIL SHOULDERS ARE CONSTRUCTED AND THE SLOPES ARE SEEDED AND MULCHEP.

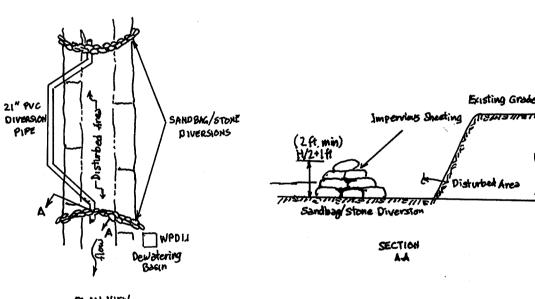
GENERAL NOTE:

1. ALL DIMENSIONS AND LOCATIONS NOT INDICATED FOR ITEMS APPEARING ON THIS SHEET OR ON THE PLANS SHALL BE DIRECTED BY THE ENGINEER.

2. THE CONTRACTOR SHALL PLACE GEOTEXTILE AROUND THE METAL END SECTION TO PREVENT BLOW—OUTS IN THE EARTH BERM AS DIRECTED BY THE ENGINEER. PAYMENT JOF GEOTEXTILE TO BE INCIDENTAL TO THE BID FOR TEMPORARY SLOPE DRAINS, THE ENDS OF THE GEOTEXTILE WILL BE BURIED IN A 4' DEEP BY 6' WIDE TRENCH AND BACKFILLED.

3. ALL TEMPORARY SLOPE, DRAINS WILL DISCHARGE INTO THE BACK OF SEDIMENT TRAPS, INTO SEDIMENT BASINS OR DITCHES DISCHARGING INTO TRAPS OR BASINS.

TEMPORARY SLOPE DRAIN



SEDIMENT CONTROL NOTES

2. All vegetative and structural practices are to be installed

3. Following initial soil disturbance or redisturbance,

of any construction (313-1855).

graded areas on the project site.

1. A minimum of 46, hours notice must be given to the Howard

County Office of Inspection and Permits prior to the start

according to the provisions of this plan and are to be in

permanent or temporary stabilization shall be completed

within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes

4. All sediment traps/basins shown must be fenced and warning

All disturbed areas must be stabilized within the time

temporary seeding (Sec. 50) and mulching (Sec. 52).

6. All sediment control structures are to remain in place and

germination and establishment of grasses.

Area to be roofed or paved

Area to be vegetatively stabilized

8. Any sediment control practice which is disturbed by grading

Additional sediment controls must be provided, if deemed

necessary by the Howard County DPW sediment control

On all sites with disturbed areas in excess of 2 acres.

controls, but before proceeding with any other earth

inspection approvals may not be authorized until this

disturbance or grading. Other building or grading

initial approval by the inspection agency is made.

approval of the inspection agency shall be requested upon

completion of installation of perimeter erosion and sediment

activity for placement of utilities must be repaired on the

Sediment Control Inspector.

Total area of site

Area disturbed

same day of disturbance.

Total Cut

Total fill

Site Analysis:

signs posted around their perimeter in accordance with Vol.

, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm

period specified above in accordance with the 1983 MARYLAND

CONTROL for permanent seedings (sec. 51), sod (Sec. 54),

Temporary stabilization with mulch alone can only be done

when recommended seeding dates do not allow for proper

are to be maintained in operative condition until permission

for their removal has been obtained from the Howard County

Offsite waste/borrow area location County Compost Plant

15.0± Acres

15.0± Acres

10.0± Acres

40,102 Cu. Yds.

24,416 Cu. Yds.

5.0± Acres

STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT

greater than 3:1, b) 14 days as to all other disturbed or

conformance with the 1983 MARYLAND STANDARDS AND

SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



THE WORK SHALL CONSIST OF INSTALLING A FLOW DIVERSION STRUCTURE WHEN CONSTRUCTION ACTIVITIES TAKE PLACE WITHIN THE STREAM CHANNEL SUCH AS CULVERT CONSTRUCTION OR CULVERT REPLACEMENT. II. MATERIAL SPECIFICATIONS

 SANDBAGS: SANDBAGS SHALL CONSIST OF MATERIALS WHICH ARE RESISTANT TO ULTRA--VIOLET RADIATION, TEARING AND PUNCTURE AND WOVEN TIGHTLY ENOUGH TO PREVENT LEAKAGE OF FILL MATERIAL (I.E., SAND, FINE GRAVEL, ETC.). 2. STONE: STONE SHALL BE WASHED AND HAVE A MINIMUM DIAMETER OF 6 INCHES. 3. SHEETING: SHEETING SHALL CONSIST OF POLYETHYLENE OR OTHER MATERIAL WHICH IS IMPERVIOUS AND RESISTANT TO PUNCTURE AND TEARING. III. CONSTRUCTION REQUIREMENTS

 ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF WORK. 2. THE HEIGHT OF THE SANDBAG/STONE DIVERSION STRUCTURE SHALL BE ONE HALF THE DISTANCE FROM THE STREAM BED TO THE BANK PLUS ONE FOOT, AS INDICATED IN SECTION A.—A. THE SANDBAGS SHALL BE PLACED ON A SMOOTH, PREPARED SURFACE.

ALL EXCAYATED MATERIALS SHALL BE DISPOSED OF IN A SCO APPROVED DISPOSAL AREA OUTSIDE THE 100—YEAR FLOODPLAIN UNLESS OTHERWISE APPROVED ON PLANS BY THE WRA.

4. ALL DEWATERING OF THE CONSTRUCTION AREA SHALL BE PUMPED TO A DEWATERING BASIN (PLATE MPD1.1) OR OTHERMSE APPROVED ON THE PLANS BY 5. SHEETING SHALL BE OVERLAPPED A MINIMUM OF 18 INCHES. THE DIVERSION PIPE SHALL HAVE A MINIMUM DIAMETER OF SUFFICIENT SIZE TO CONVEY THE NORMAL STREAM FLOW.

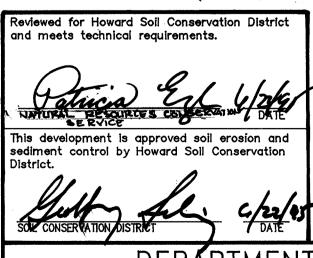
7. IF NECESSARY, SILT FENCE OR STRAWBALES SHALL BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA. 8. SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED AND THE INSPECTING AUTHORITY APPROVES THEIR REMOVAL.

SEQUENCE OF CONSTRUCTION 1. OBTAIN GRADING PERMIT. 2. INSTALL ALL SEDIMENT CONTROL DEVICES SUCH AS DIVERSION PIPE, SANDBAGS, ETC. 3. INSTALL 54" PIPE.

4. STABILIZE ALL DISTURBED AREAS.

DIVERSION PIPE AT E-1 & E-2

5. REMOVE SEDIMENT CONTROL STRUCTURES AFTER APPROVAL FROM SEDIMENT CONTROL INSPECTOR.



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

1. Tun CHIEF. BUREAU OF HIGHWAYS ON ENGINEERING CHIEF, DIVISION OF ROADS, BRIDGES & STORM DRAINAGE

DEVELOPER'S /BUILDER'S CERTIFICATE

I certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize



ENGINEER'S CERTIFICATE l hereby certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District. Medden 1

SIGNÁTURE OF ENGINEER

SEDIMENT CONTROL DETAILS PROJECT DORSEY RUN ROAD _OCATION: 1st ELECTION DISTRICT

HOWARD COUNTY, MARYLAND DESIGNED BYDRAWN BY CHECKED BY DATE MAR., 1995 AS SHOWN JJB FEILD BOOK: PAGE No. JUB No. DRAWING No. 91003 18 OF 40

Boender **H77ociate**7 ENGINEERS • PLANNERS • SURVEYORS

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