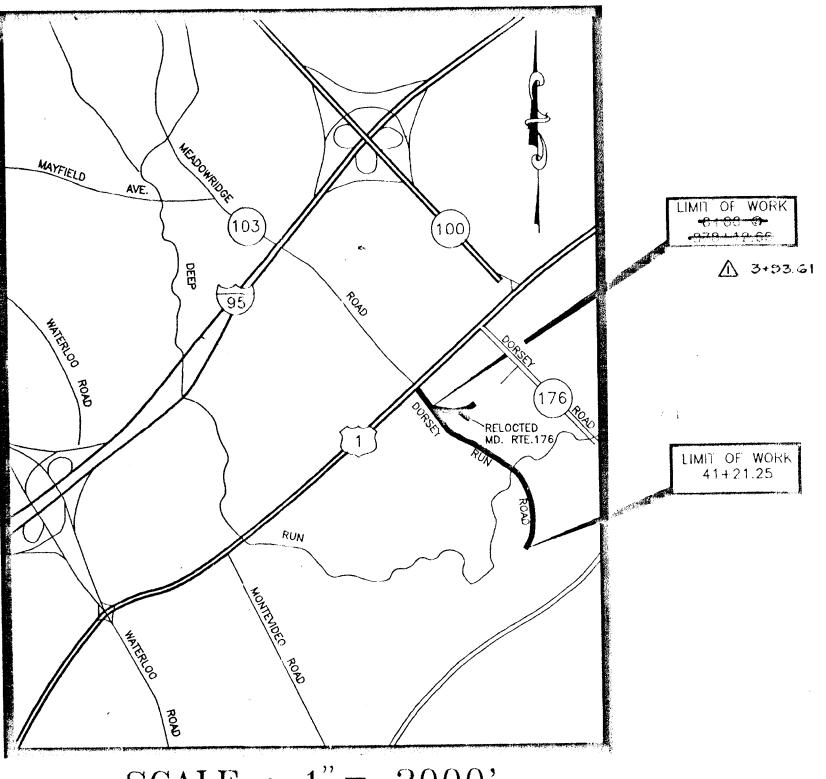
### INDEX OF SHEETS DESCRIPTION TITLE SHEET TYPICAL SECTIONS ROAD PLAN & PROFILE ROAD PLAN & PROFILE ROAD PLAN & PROFILE SIGNAGE AND TRAFFIC MARKINGS PLAI SIGNAGE AND TRAFFIC MARKINGS PLAN SIGNAGE AND TRAFFIC MARKINGS PLAN DRAINAGE AREA MAP DRAINAGE AREA MAP STORM DRAIN PROFILES STORM DRAIN PROFILES SUPER SPAN PLAN AND PROFILE SUPER SPAN DETAIL SEDIMENT CONTROL PLAN SEDIMENT CONTROL PLAN SEDIMENT CONTROL PLAN SEDIMENT CONTROL DETAILS X--SECTIONS 5+00 to 7+50 X-SECTIONS 8+00 to 9+00 X-SECTIONS 9+50 to 10+50 X-SECTIONS 11+00 to 12+50 X-SECTIONS 13+00 to 14450 X--SECTIONS 16+50 to 17+50 X-SECTIONS 18+00 10 19+00 X-SECTIONS 21450 to 22450 X-SECTIONS 23+00 to 24+50 X-SECTIONS 20+00 to 26+00 X-SECTION\$ 26-150 to 28+00 X-SECTIONS 28+50 10 30+00 X-SECTIONS 30+50 to 31+50 X-SECTIONS 32+00 to 33+00 ECTIONS 33+50 to 34+50 SECTIONS 35+00 to 36-00 (-SECTIONS 36+50 to 37+3) X-SECTIONS 38+00 to 39+00 X-SECTIONS 39+50 to 40+50 X-SECTIONS 41+00 WATER RELOCATION 8" WATER MAIN

## HOWARD COUNTY, MARYIAND 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.



SCALE: 1'' = 2000'

# DORSEY RUN ROAD ROADWAY IMPROVEMENTS

CAPITAL PROJECT J-4114

SUMMARY:

### GENERAL NOTES

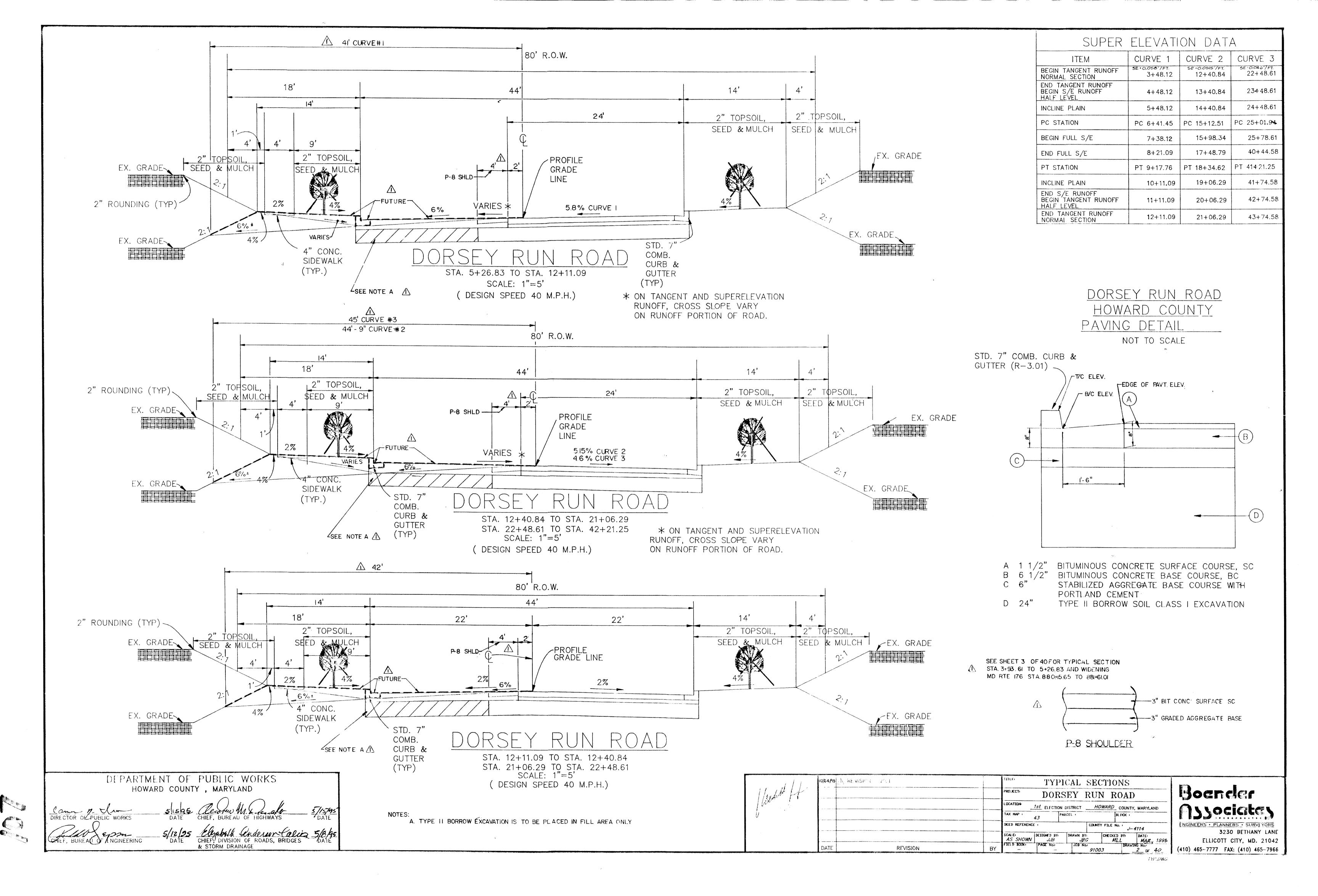
- 1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if
- 2. The contractor shall notify the Department of Public Works/Construction Inspection Division at (410-313-1880) at least five (5) working days prior to the
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at Least 48 hours 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
- 5. A field run survey was conducted by Boender Associates, inc. on or about Feb.
- 6. 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.

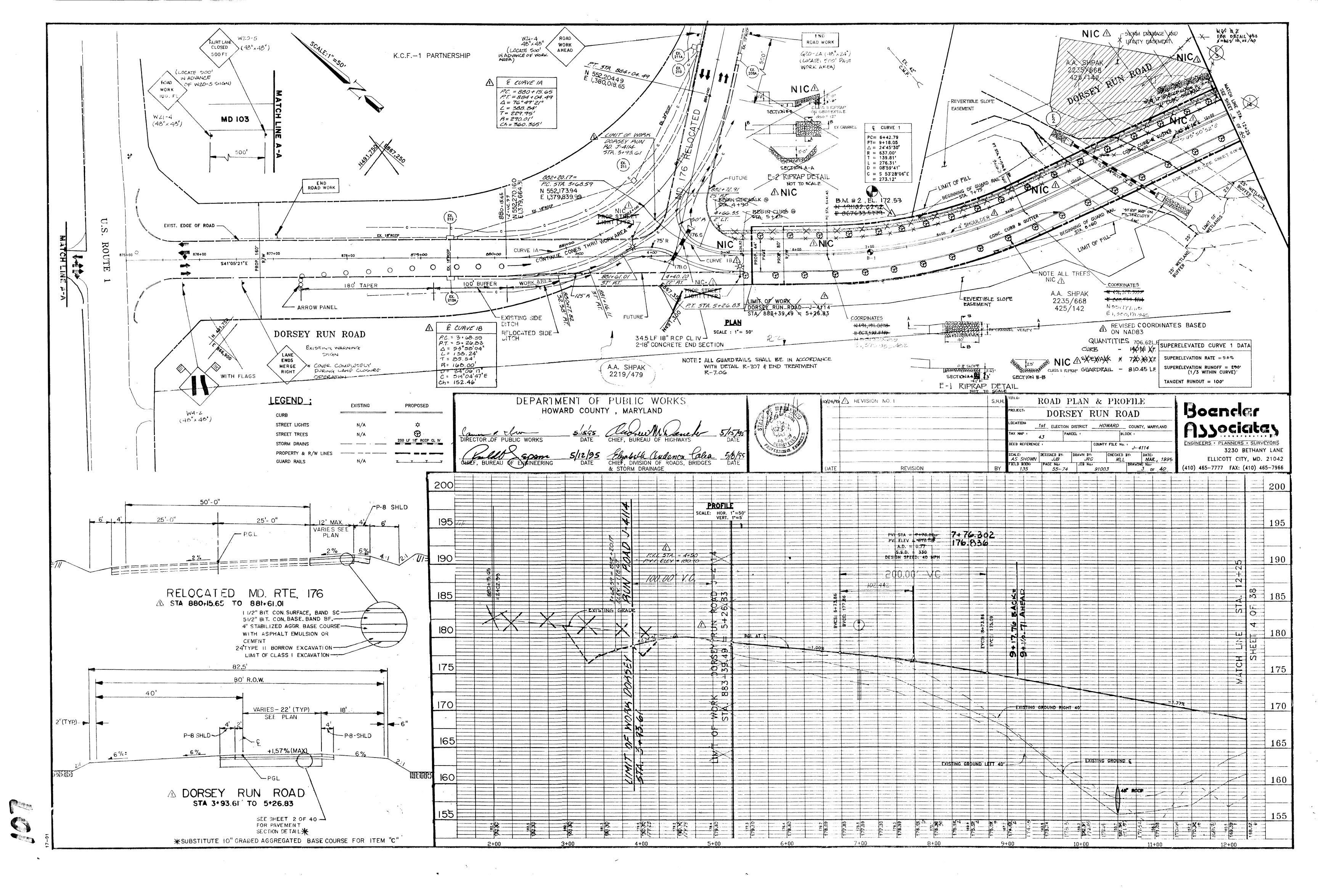
\		AREAS		VOLUMAS		CUMULATIVE VOLUME	
•		Squaro Foot		Cubic Yards		Cubic Yards	
۵	MITTON	CUT	FILL	CUT 0.85	FIIL	CUT 0.85	FYLI.
5	+28.83	81.88	73.05	57.47	65.15	57.47	55.15
	5+50	75.70	78.79	114.63	150.74	172.10	215.89
	6+00	69.95	84.00	88.96	132.34	261.06	348.22
_6	34 41.45	66.41	88.42	17.65	27.90	278.71	376.12
	6+50	5.80	89.35	95.68	173.28	374.69	549.40
	7+00	5 16	99.10	67.85	200.65	442.24	750.05
	7+50	30.06	119.35	24.35	282.73	A66.59	1032.79
	8+00	0.00	188.43	0.00	536.58	466.59	1589.36
	84 50	0.00	391.07	0.00	917.79	486.59	2487.15
	94 00	0.00	595.31	0.00	415.3	486.59	2902.50
	9417.76	0.00	664.56	0.00	904//4	466.59	3807.24
	9+50	0.00	850,59		1916.66	466.59	5723.90
	10+00	0.00	1219.1	0.00	408.05	466.59	8129.95
	10+50	0.00	1379.13	0.00			10635.78
	11+00	0.00	1327.16	0.00	2505.82	466.59	12825.2
	11+50	0.00	1037.42	0.00	2189.42	466.59	14437.69
-	12+00	0.00	704.06	0.00	1612.49	466.59	<del> </del>
1	12+50	0.00	359.64	<b>X</b> 0	984.91	466.59	15422.6
	13+00	42.71	118.13	3.6	442.37	500.21	
	134 50	122.56	61.88	130.08	166.67	630.28	18031.6
	14+00	133.92	52.18	201.86	105.61	832.15	16203.2
	14+50	197.96	19.00	261.20	65.96	1093.34	18399.3
	15+00	130.74	193//4	258.70	148.77	1352.04	16549.1
	15+13.63	47.25	400.44	38.20	780.00	1417.81	17329.1
	15450	0.14	176.67	27.57		1421.81	18697.2
	16+00	4.76	716.84	4.00	1368,18	1452.01	19754.2
	16+50	32.32	436.63	30.20		1611.35	20239.2
	17+00	184.73	96.69	159.35	485.07	2 22.60	20325.6
	17+50	85 .63	0.00	811.24	86.34	381 04	20325.6
	18+00	\$14.49	0.00	1392.44	0.00	4873.20	20325.6
	184 34.61	1030.58	0.00	1058.17	0.00		20325.6
	18+50	1050.75	0.00	504.19	0.00	5377.39	L
	19+00	1148.66	0.00	1731.02	0.00	7108.41	20325
+	194.60	1090.85	0.00	1762.58	9.00	8870.99	0325.
-	29100	1155.15	0.00	1767.69	0.00	10638.68	20,25.0
-	20450	826.39	0.00	1559.54	0.00	12198.22	2033
1	21+00	118.75	66.22	743.86	0.00	12942.08	20386.9

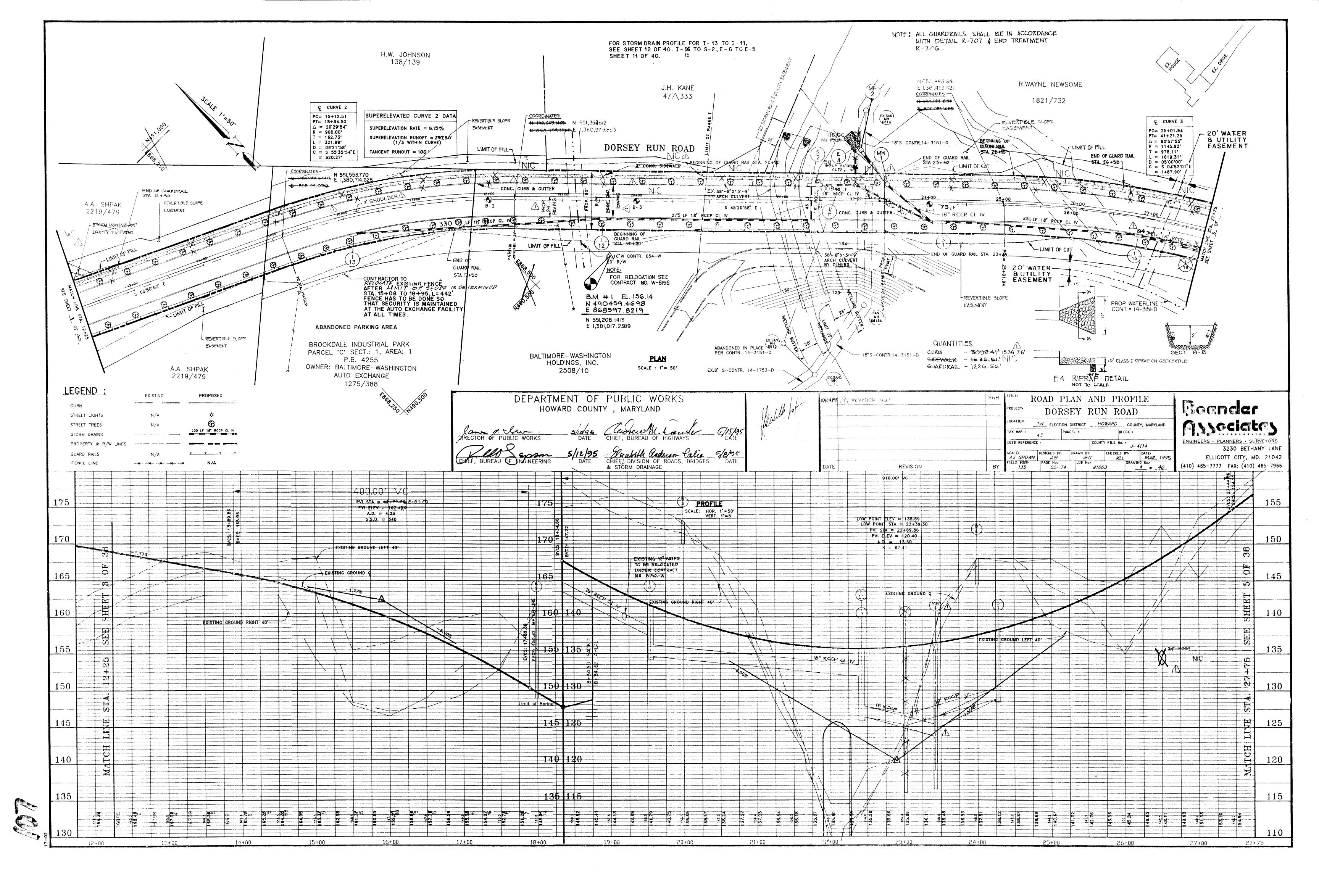
}		CUT	$F\!ML$	CUT 0.85	FILL	CUT 0.85	# M.1.
1	23+50	270.65	15.98	002 0.00			Py I.
t		270.61	0.00	1029.33	14.79	1029.33	4.79
ł	24-100	1037.24	0.00	1414.18	0.00	2443.51	14.79
ŀ	24+50	759.61 434.19	22.44	939.56	20.78	3383.07	<b>3</b> 5.57
}	25+00		26.07	25.21	1.67	3408.2	37.25
1	25+01.86	26.33 138.29	231.60	433.24	234.20	3841/02	271.44
}	25+50	and the second		117.60	775.99	3999.12	1047.44
1	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	4849.61	2634.29
	28100	350.76	0.00	645.91	0.00	5295.52	2634.29
	28+50	467.02	000	773.21	0/00	6068.73	2634.29
	29+00	514.62	0.00	798.59	0.00	6867.32	2634.29
ļ	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	1009/03	0.00	10554.55	2634.29
	31+50	776.65	0.00	137 09	0.00	11861.64	2634.29
	32+00	883.54	0.00	352.0	0.00	13214.31	2634.29
	32+50	833.59	0.00	1281.06	0.00	14495.37	2634.29
•	33+00	789.06	0.00	1390,69	0.00	15886.06	2634.29
	33-150	969.06	0.00	1645.52	0.00	17531.57	2634.29
	34+00	1115.90	0.00	1735.75	00	19267.32	2634.29
	34+50	1089.46	0.00	1602.02	0.00	20869.34	2634.29
	35+00	949.89	0.00	1438.51	0.00	22307.85	2634.29
	35+50	884.73	0.00	1295.10	0.00	23602.94	2634.29
	36+00	769.64	0.00	1084.81	0.00	24687.76	2634.29
7.12	364 50	614.11	0.00	745.63	1.57	\$433.39	2635.86
	37+00	329 8	1.72	387.76	39.75	25121.15	2675.61
	37+50	167.07	40.01	219.56	123.54	26040.71	2799.15
	38+00	716.64	89.97	182.11	153.17	26222.02	2952.32
	38+50	115.50	71.16	220.70	125.22	26443.52	3077.54
	39+00	168.02	60.57	265.02	161.50	26708.55	3239.05
	39+50	172.83	109.50	181.11	274.52	26889.66	\$513.56
	40+ 0	61.09	179.98	74.41	294.72	26964.07	3808.29
	40150	35.36	131.05	125.09	186.89	27089.16	3993 18
	1+00	125.56	65.79	71.61	34.25	27160.77	4029.
	41+15	176.29	54.25	0.00	0.00	27160.77	4029.42

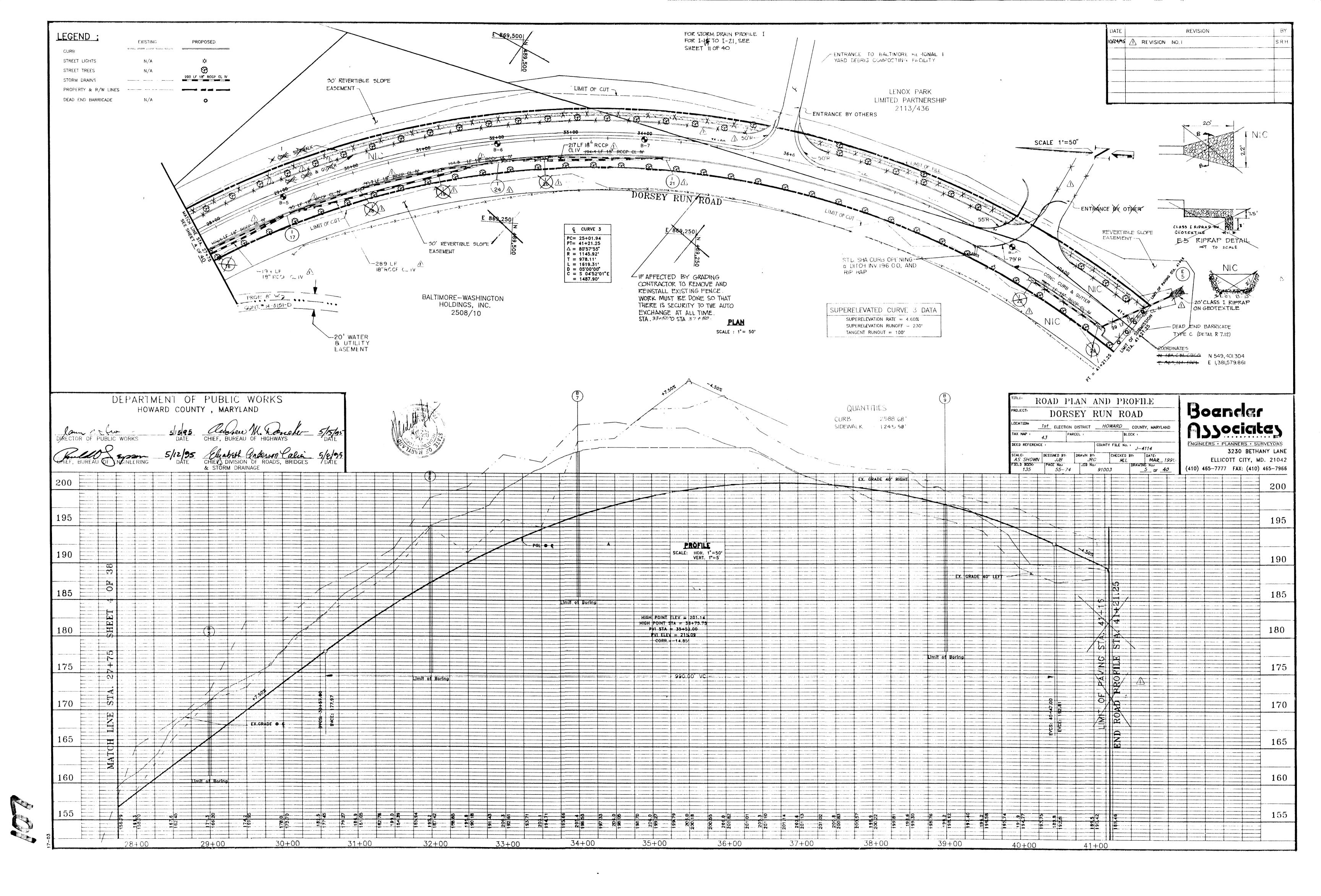
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY , MARYLAND

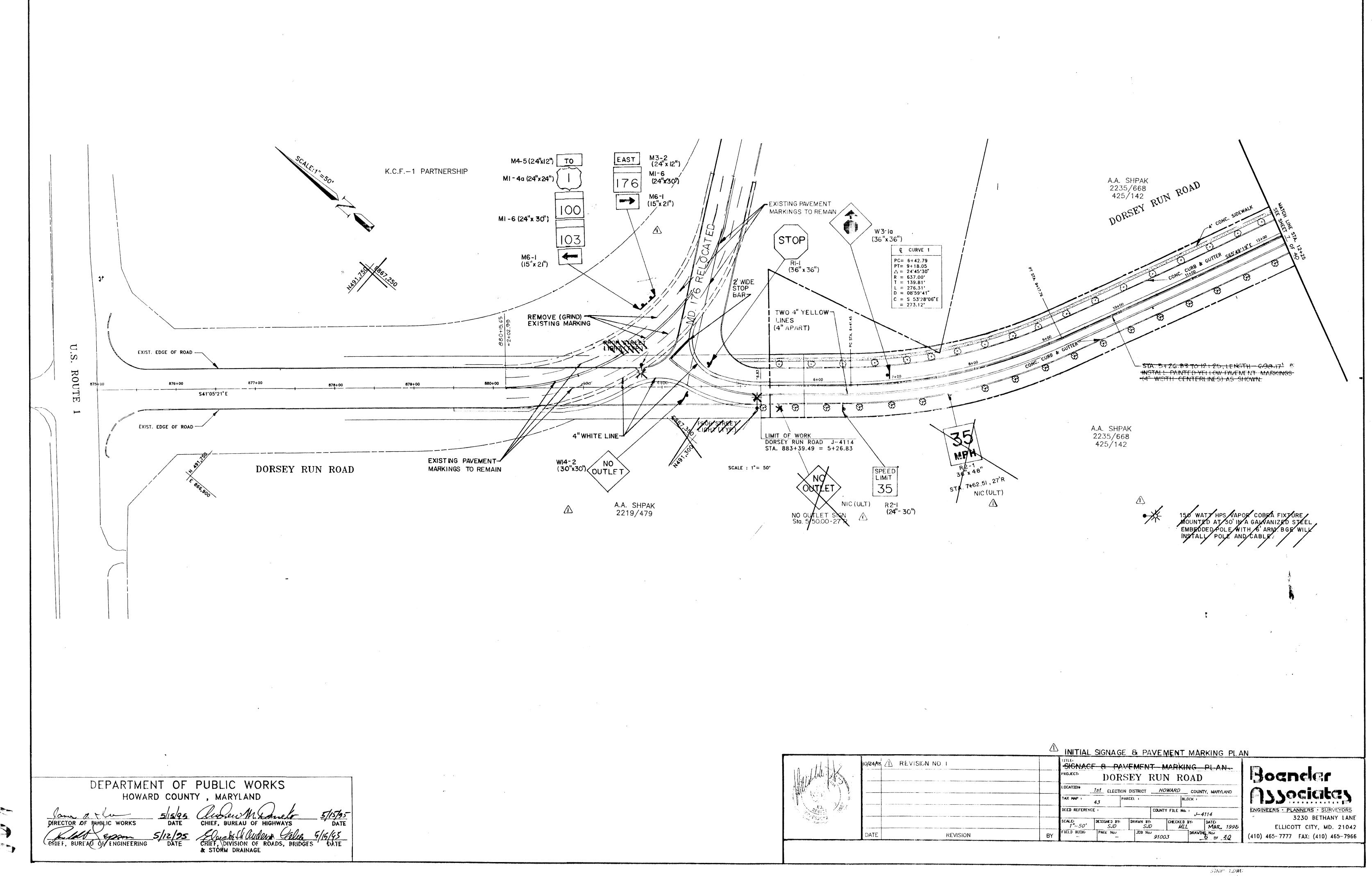
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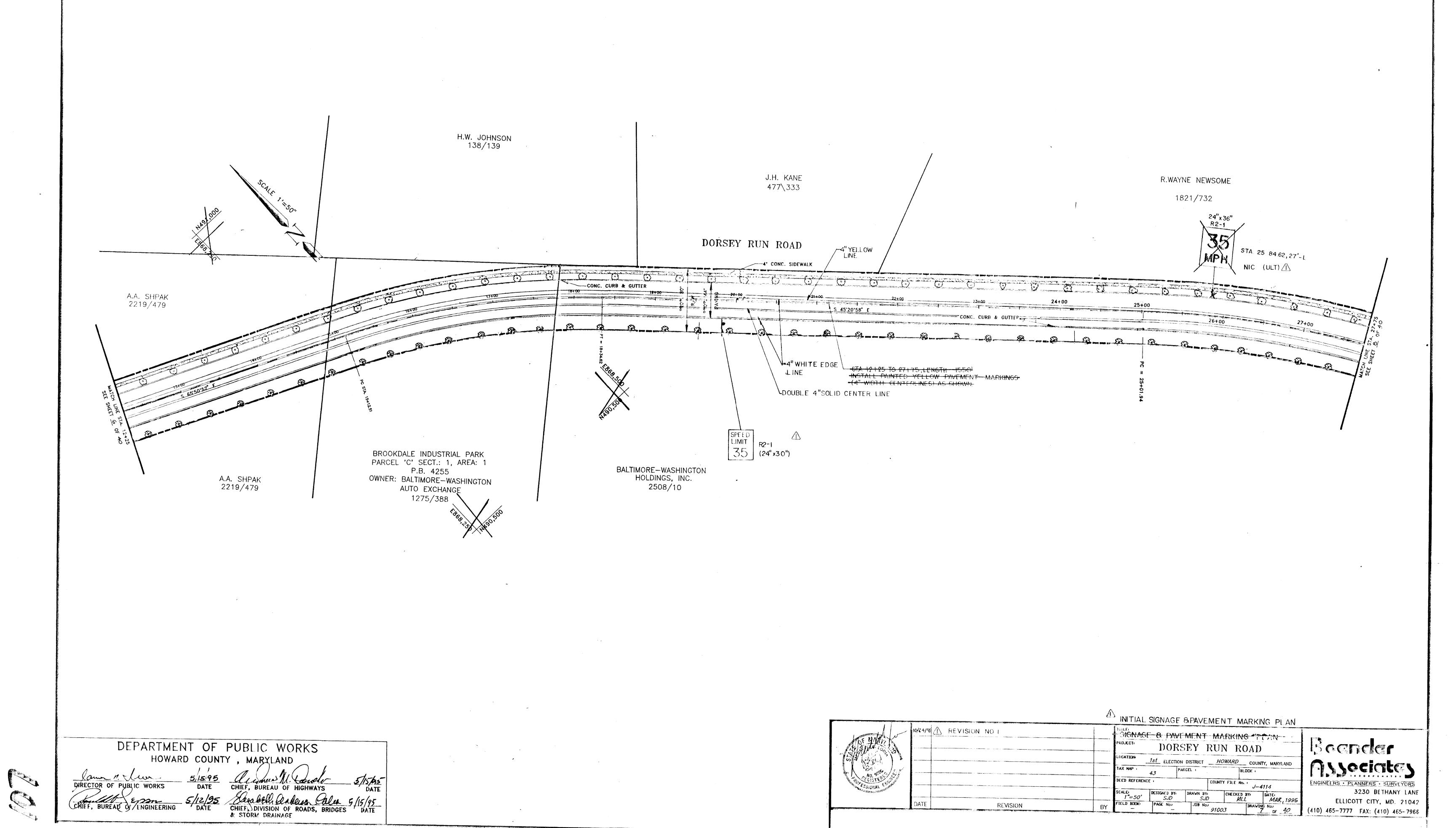




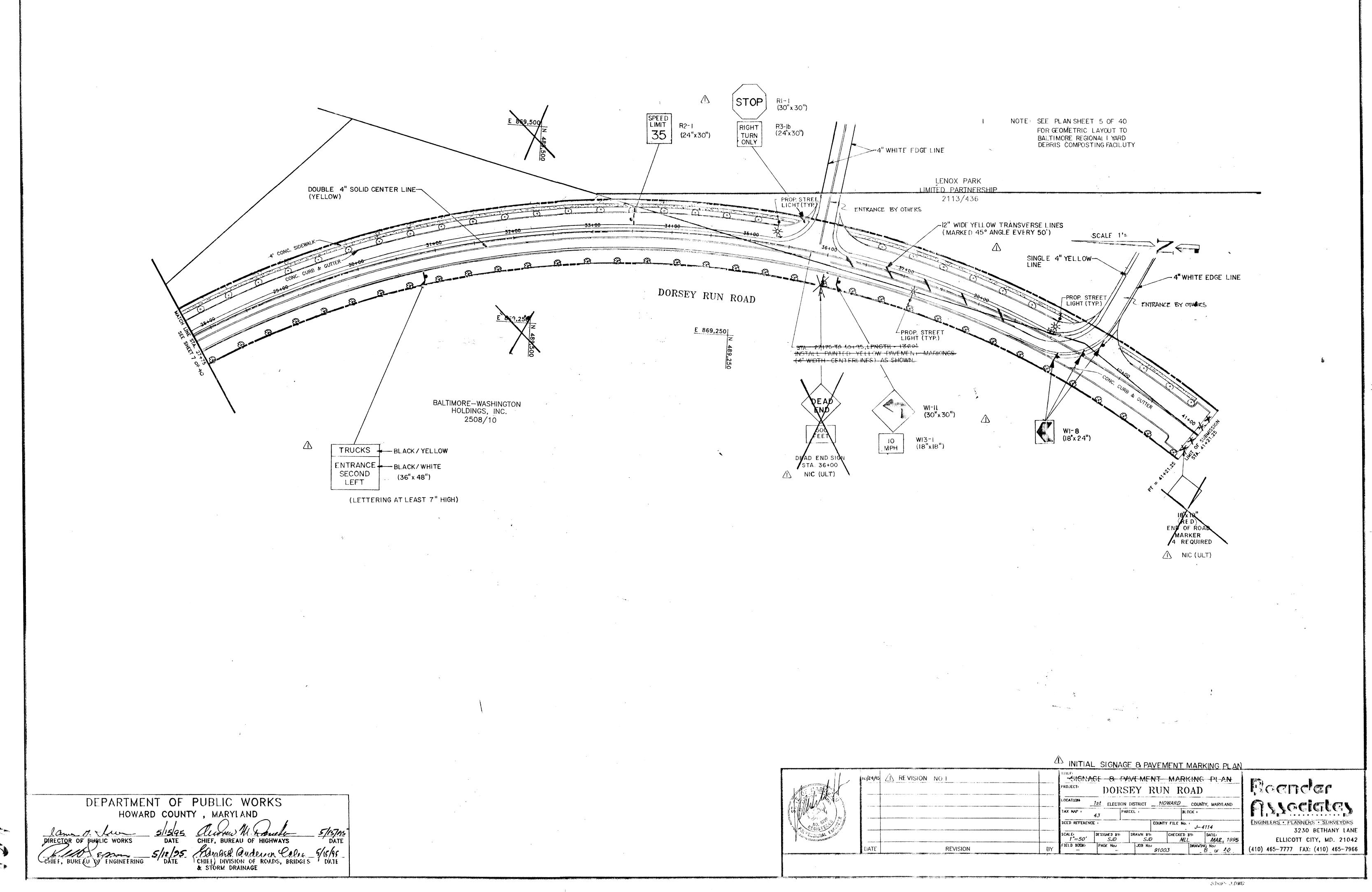


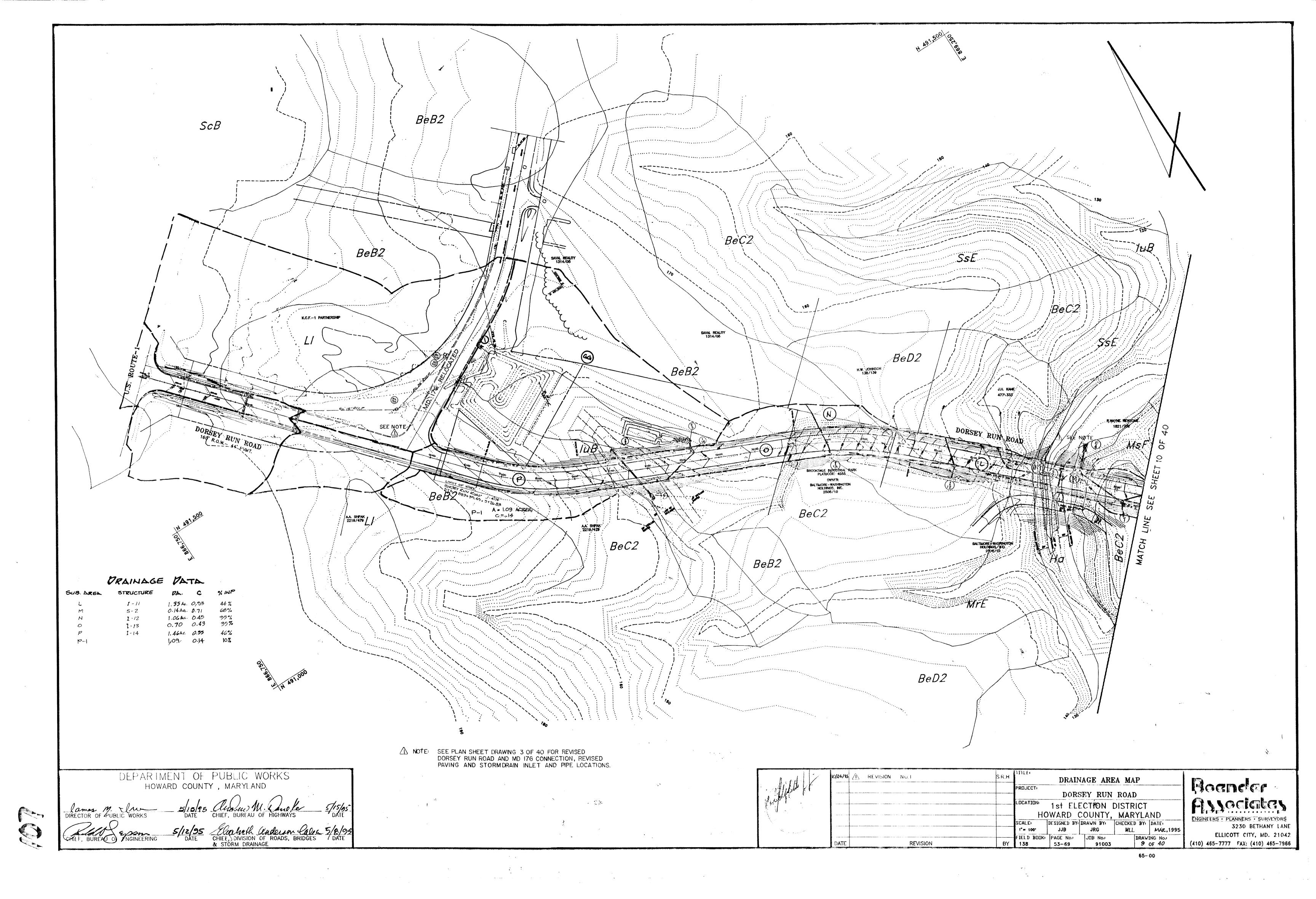


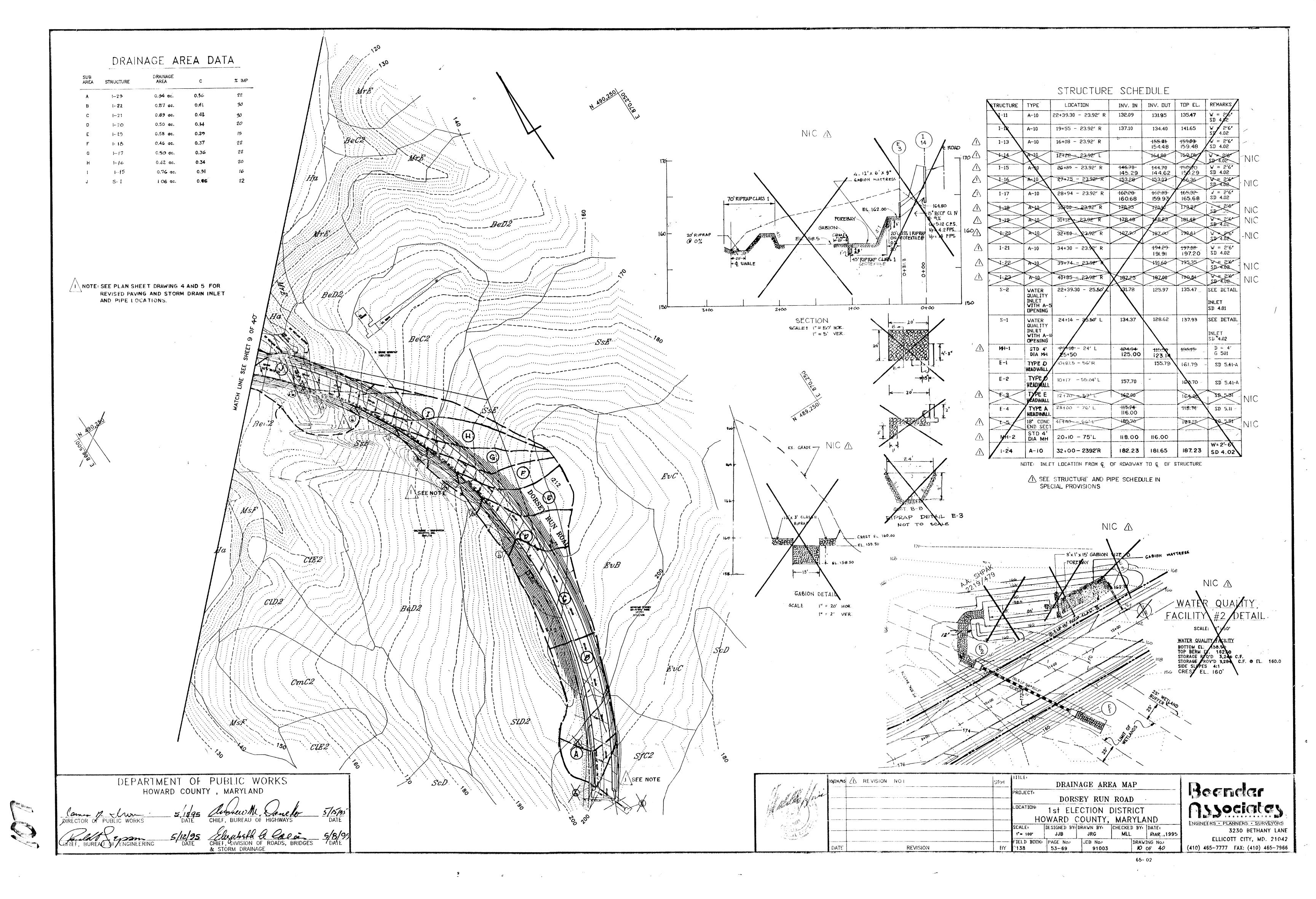


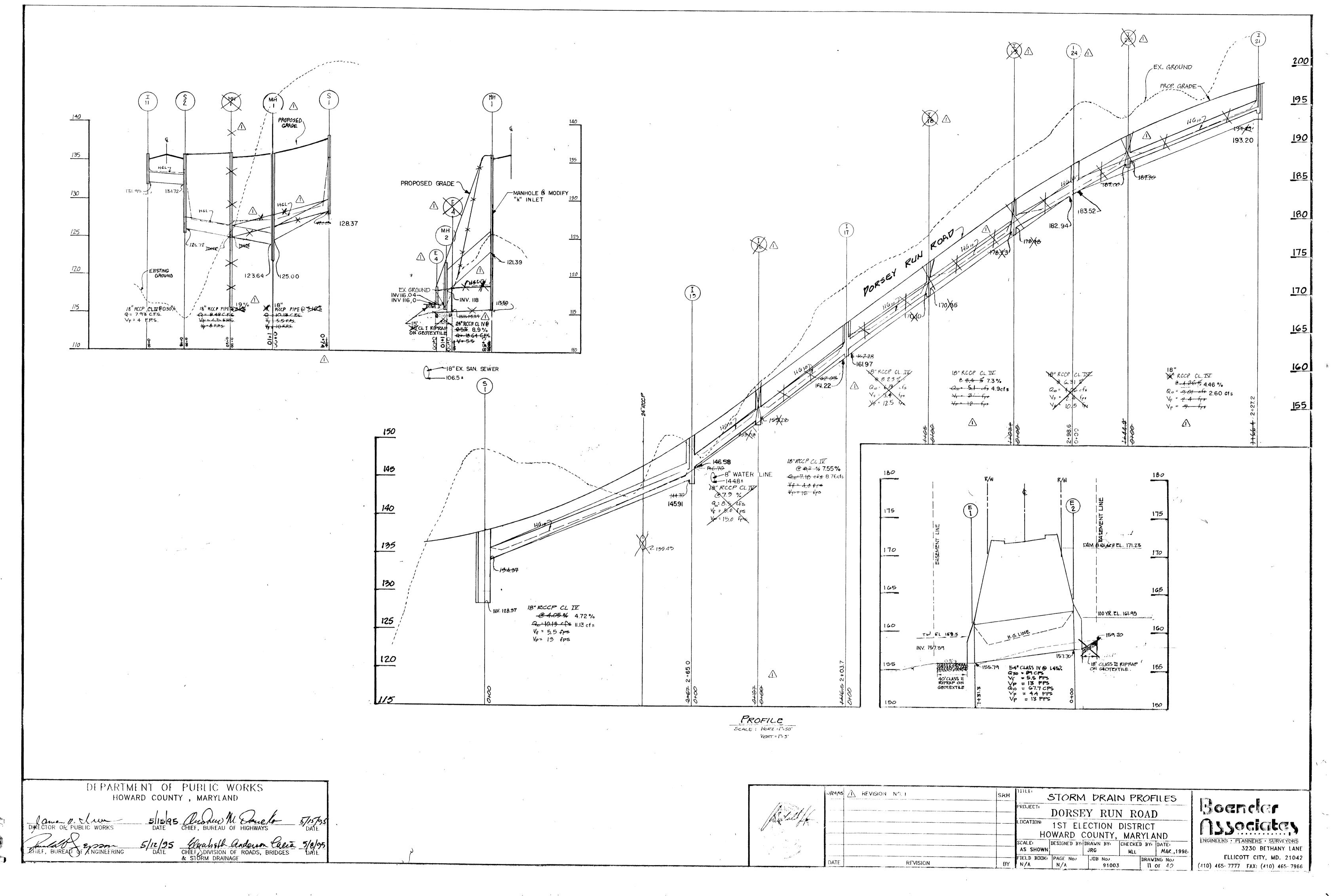


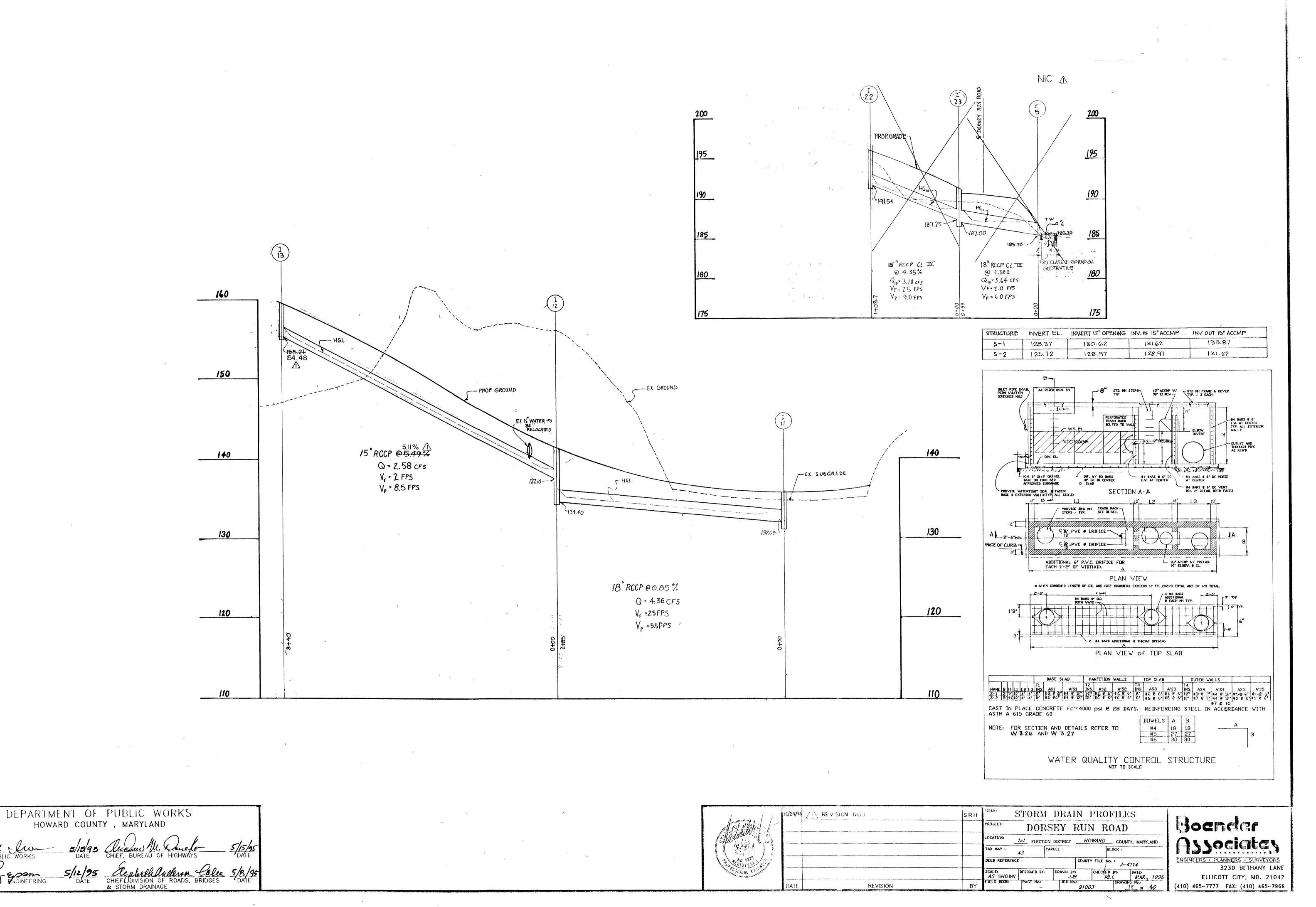
STRIP- Z.DWG

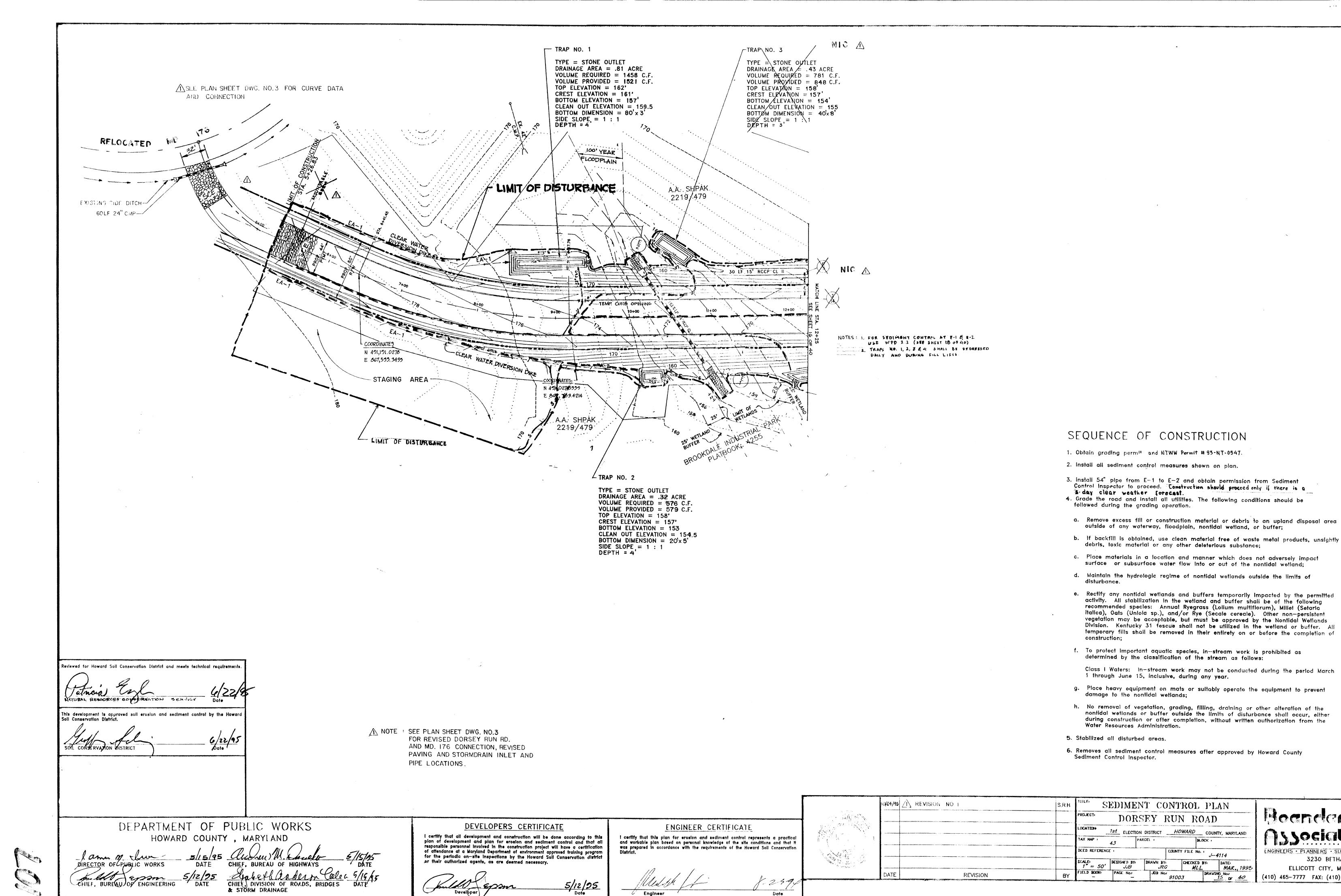












5/12/95 Date

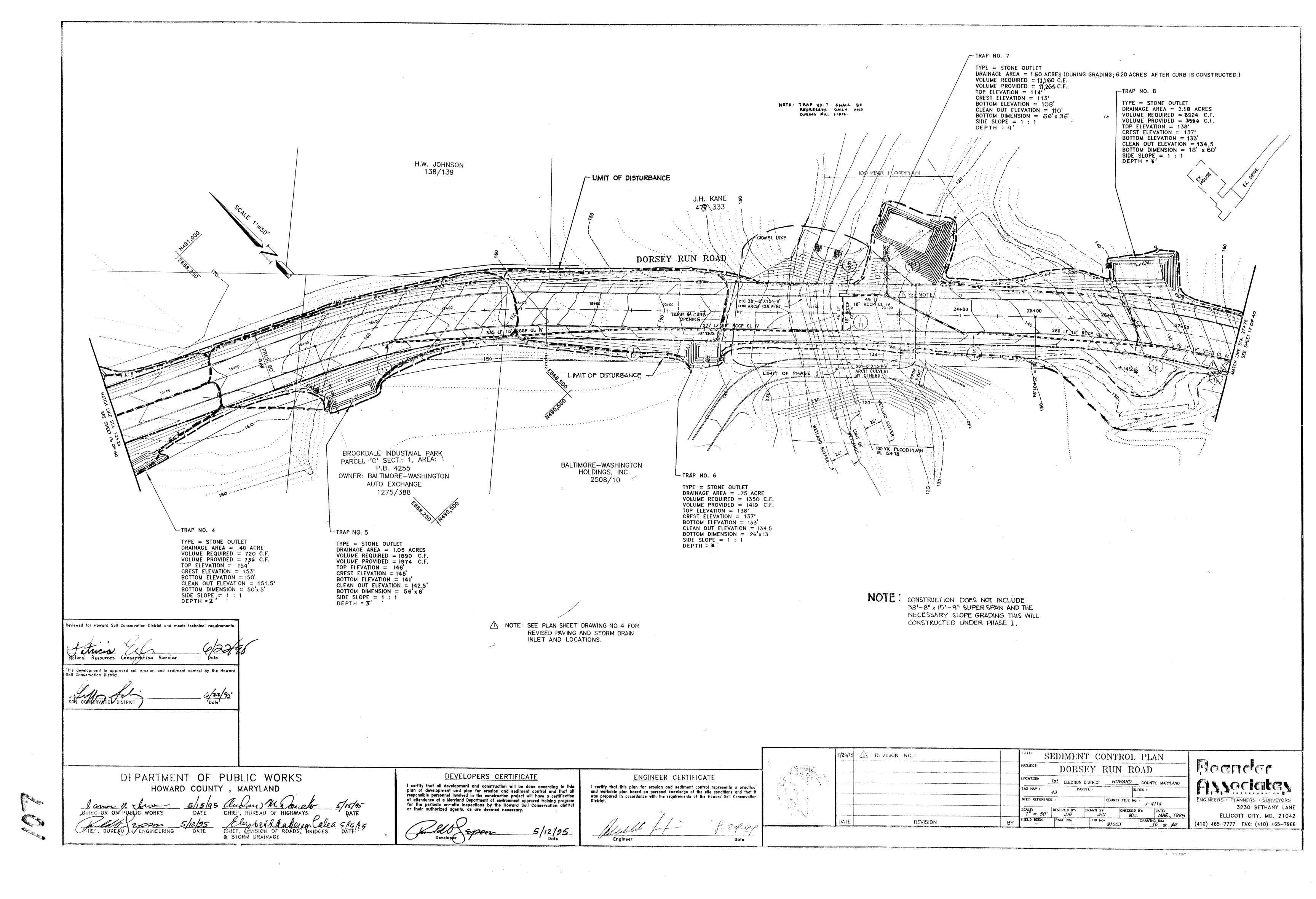
CHIEF, BUREAU OF ENGINEERING DATE

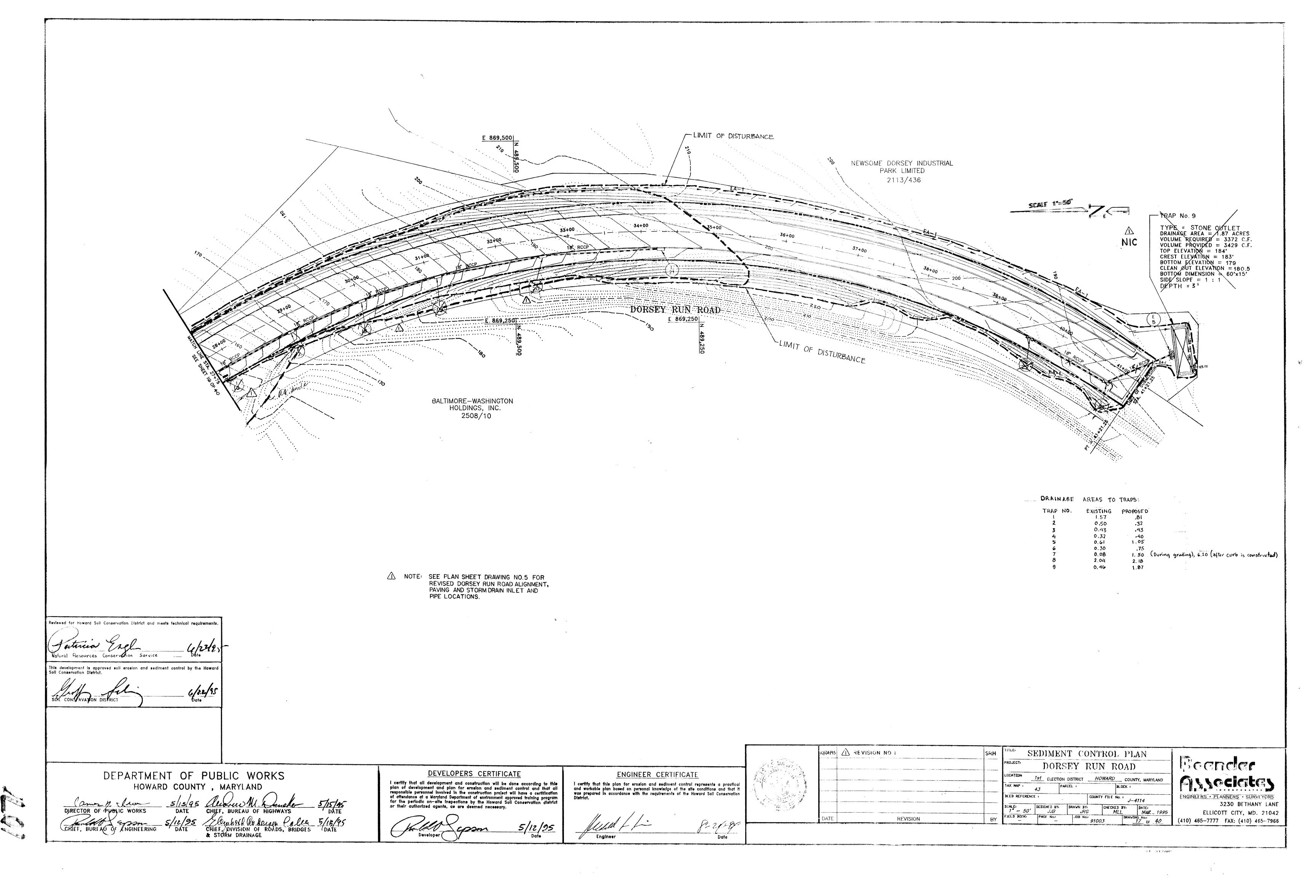
Boender ENGINEERS . PLANNERS . SURVEYORS 3230 BETHANY LANE

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

23-01.DWG C121BZ15

REVISION





### 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 asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gai/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

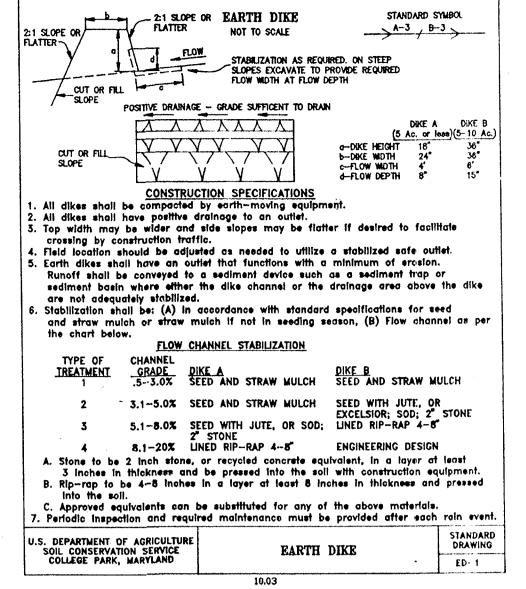
Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

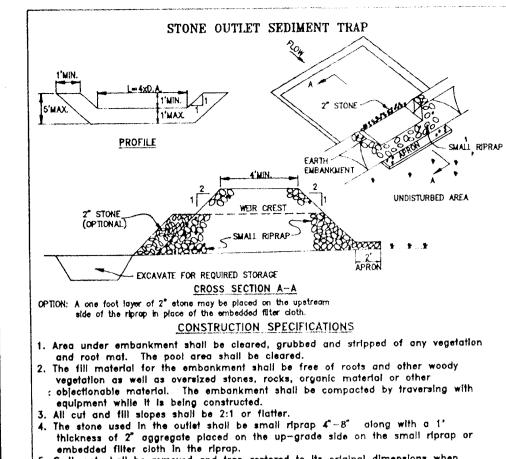
- 1) Preferred Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 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, replacements and reseedings.

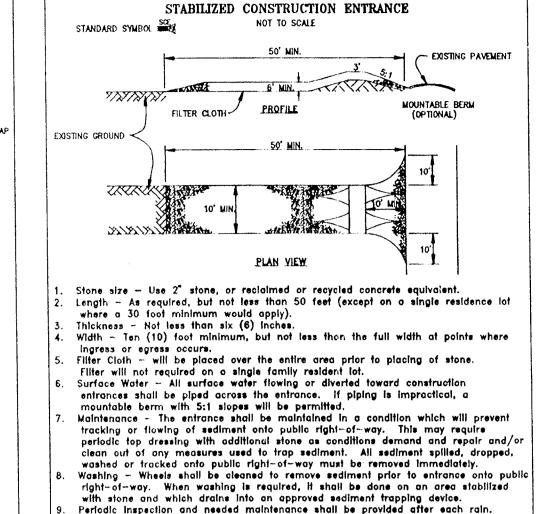




Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. 5. The structure shall be inspected after each rain and repairs made as needed. 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.

U.S. DEPARTMENT OF AGRICULTURE STONE OUTLET SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND SEDIMENT TRAP

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



STABILIZED CONSTRUCTION

ENTRANCE

DRAWING

TOR OF SLOPE

(FILL SLOPE )

TEMPORARY SERM

TEMPORARY FLOW LINK

AT TOP OF FILL SLOPE

. INTERCEPTOR BERM

LENGTH AS REQUEED TO CONTAIN-

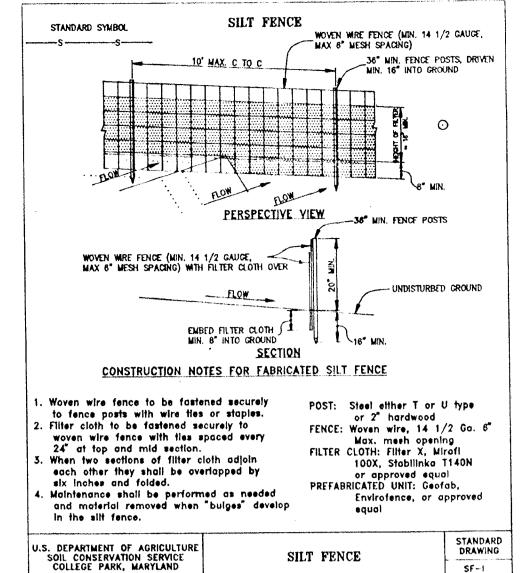
BURFACE PRAINAGE AND DIRECT

INTO METAL FIRE SECTION

TEMPORARY BERM APPROK.

38" + MOF, 27" + HOH

SCE-II



DISCHARGE IN A STABILIZED DITCH (NOT AN EXPOSED SOIL DITCH). STABIL IZED AREA

(VESSTATION, ROCK, ETC.) OR A SECIMENT TRAP.

-TEMPORARY SLOPE DRAIN - NUMBER OF DRAINS

DRAINAGE AREA PIPE DUMETER

L. SUSGRACE

EMBRICHENT IS CONSTRUCTED

INCHES

ARE DEPENDENT UPON CONTRIBUTING AREA.

--- METAL WIND SECTION

ACRES

2.5

3,5

5.0

THE TEHPORARY FLOW LINE

COMPACT SOIL AROUND END SECTION

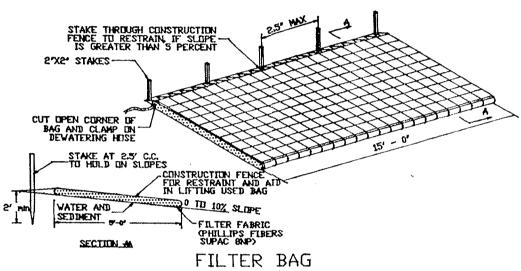
File Store

- METAL END SECTION

450 PIPE FIRM & 4' PIPE STUS

SECTION A-A

(FOR FILL SLOPES)



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. SEDIMENT FROM BAG SHALL BE SPREAD IN AN UPLAND AREA.



April 1983 Maryland SCS/WRA CONSTRUCTION SPECIFICATIONS FOR ST-VI

STANDARD DRAWING

The area under embankment shall be cleared, grubbed and stripped of any The fill material for the embankment shall be free of roots or other woody

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 shall be five (5) feet, measured at centerline of embankment. All fill slopes shall be 2:1 or flatter; Cut slopes 1:1 or flatter.

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

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.

Storage area provided shall be figured by computing the volume available

Fabric shall be embedded at least six (6) Inches into existing ground at 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

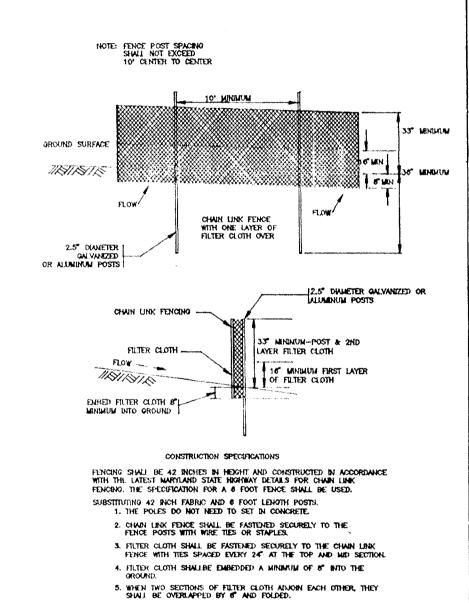
or a one (1) foot thick layer of two (2) inch or finer aggregate shall be

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 Removed sediment 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 pollution 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.



6. MUNTEHANCE 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 MULCHED.

GENERAL NOTE:

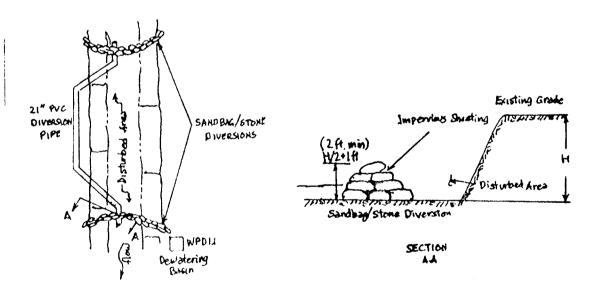
1. ALL DIMENSIONS AND LOCATIONS NOT INDICATED FOR ITEMS APPEARING ON THIS SHEET OR ON THE PLANS SHALL BE DIRECTED BY THE ENGINEER. 2. THE CONTRACTOR SHALL PLACE GEOTEXTILE AROUND THE METAL END

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.

18 OF 40

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 48, 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

signs posted around their perimeter in accordance with Vol.

1, 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

All sediment control structures are to remain in place and

8. Any sediment control practice which is disturbed by grading

9. Additional sediment controls must be provided, if deemed

10. 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.

necessary by the Howard County DPW sediment control

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

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

19.0± Acres

15.0± Acres

5.0± Acres

40,102 Cu. Yds.

24,416 Cu. Yds.

10.0± Acres

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

germination and establishment of grasses.

Area to be roofed or paved

Area to be vegetatively stabilized

Sediment Control Inspector.

Total area of site

Area disturbed

same day of disturbance.

Total Cut

Total fill

7. Site Analysis:

Inspector.

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.



1. SANDBAGS: SANDBAGS SHALL CONSIST OF MATERIALS WHICH ARE RESISTANT TO ULTRA-VIOLET RADIATION, TEARNO AND PUNCTURE AND WOVEN TIGHTLY ENOUGH TO PREVENT LEAKAGE OF FILL MATERIAL (I.E., SAND, FINE GRAVEL, ETC.). 2 STOKE: STOKE SHALL BE WASHED AND HAVE A MINIMUM DIALIETER OF 8 INCHES. 3. SHEETING: SHEETING SHALL CONSIST OF POLYETHYLENE OR OTHER MATERIAL. WHICH IS IMPERVIOUS AND RESISTANT TO PUNCTURE AND TEARING. III. CONSTRUCTION REQUIREMENTS

1. ALL ENOSION AND SEDUMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF WORK. THE HEIGHT OF THE SANDBAG/STONE DIVERSION STRUCTURE SHALL BE ONE HALF THE DISTANCE FROM THE STREAM BID TO THE BANK PLUS ONE FOOT, AS INDICATED IN SECTION A. A. THE SANDBAGS SHALL BE PLACED ON A SMOOTH, PREPLACED SURFACE.

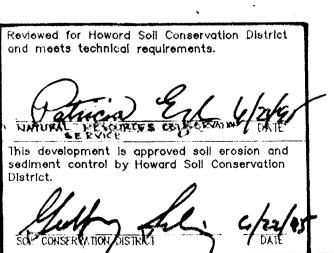
3. ALL EXCAVATED MATERIALS SHALL BE DISPOSED OF IN A SCO APPROVED DISPOSAL AREA OUTSIDE THE 100-YEAR FLOODPLAIN UNLESS OTHERWISE APPROVED ON PLANS BY THE WRA. 4. ALL DEWATERING OF THE CONSTRUCTION AREA SHALL BE PUMPED TO A DEWATERING BASIN (PLATE MPDL.1) OR OTHERMSE APPROVED ON THE PLANS BY

5. SEETING SHALL BE OVERLAPPED A MINIMUM OF 18 INCHES. 6. THE DIVERSION PIPE SHALL HAVE A MENUMUM DIAMETER OF SUFFICIENT SIZE TO CONVEY THE NORMAL STREAM FLOW. 7. IF NECESSARY, SUT FENCE OR STRAMBALES SHALL BE INSTALLED AROUND THE 8. SEDIMENT CONTROL DEVICES ARE TO REMAIN BY PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED AND THE INSPECTING AUTHORITY APPROVES THEIR

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

DIVERSION PIPE AT E-1 & E-2



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

& 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 periodic inspection by the Howard Soil Conservation Service.



ENGINEER'S CERTIFICATE

I 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./ SIGNATURE OF ENGINEER

SEDIMENT CONTROL DETAILS DORSEY RUN ROAD 1st ELECTION DISTRICT

HOWARD COUNTY, MARYLAND DESIGNED BYDRAWN BY CHECKED BY DATE AS SHOWN MAR., 1995 JJB JRG FEILD BOOK: PAGE No. JDB No. DRAWING No.

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