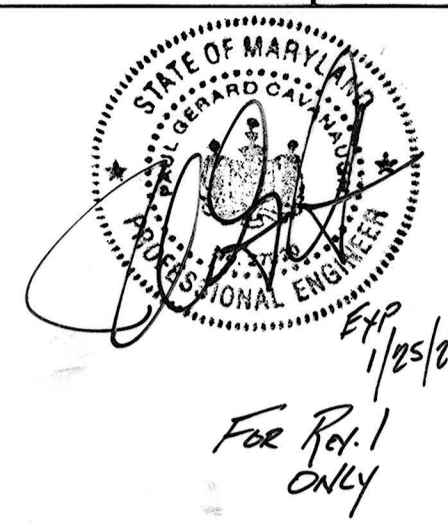
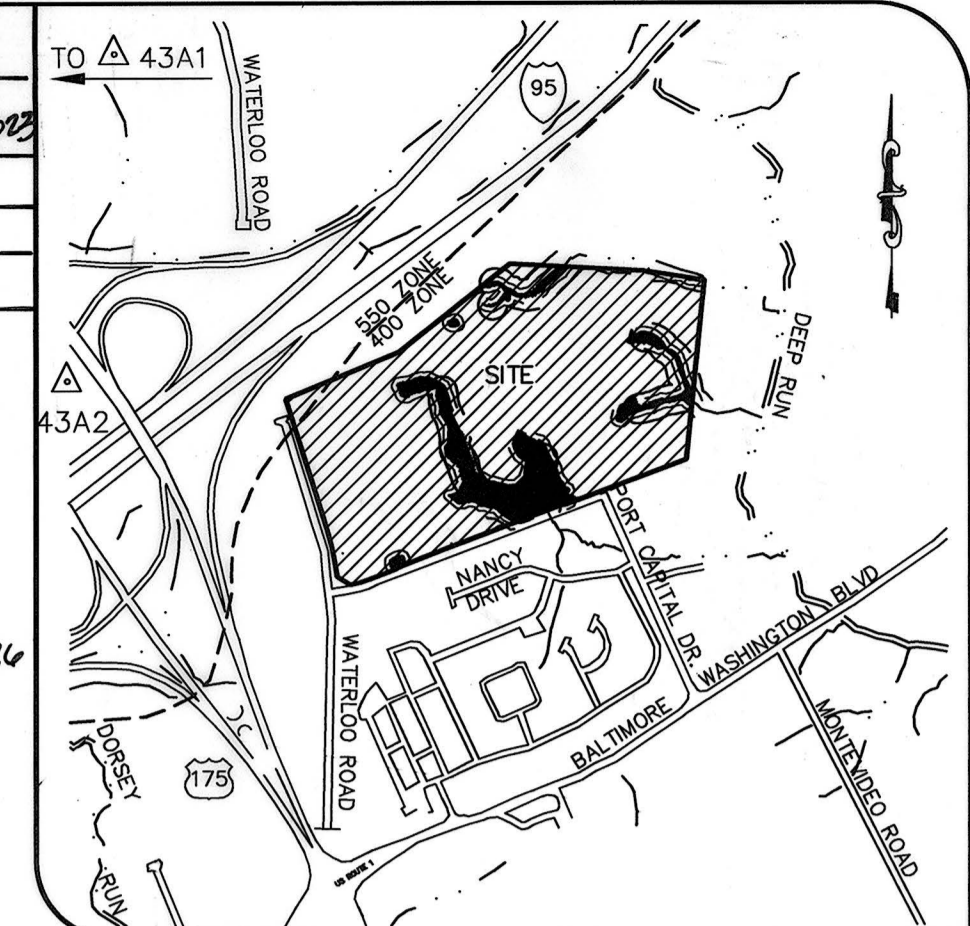


**SHEET INDEX**

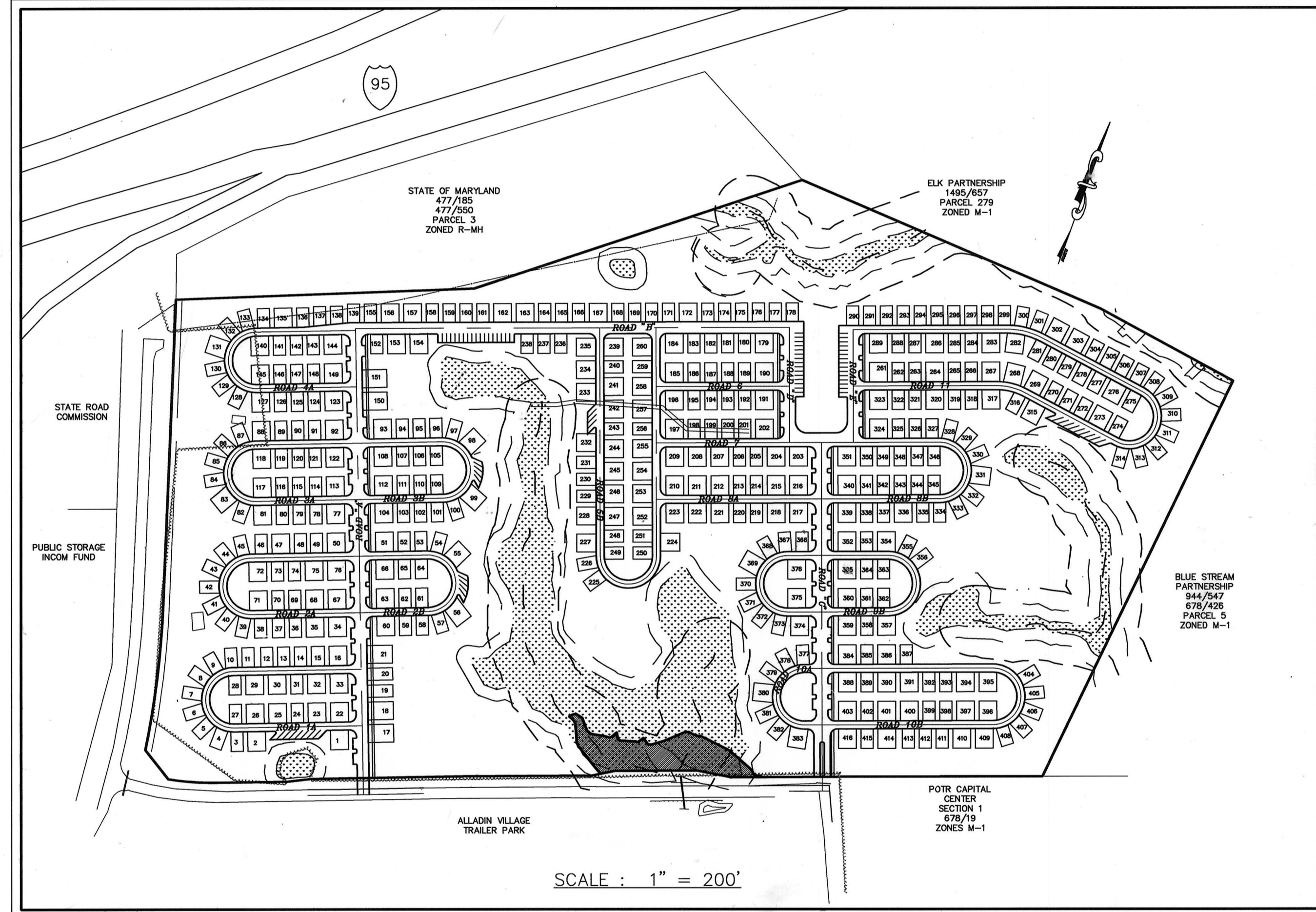
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	SITE DEVELOPMENT PLAN
5	CONSTRUCTION DETAILS
6	ROAD PROFILES
7	ROAD PROFILES
8	ROAD PROFILES
9	ROAD PROFILES
10	ROAD PROFILES
11	ROAD PROFILES
12	SANITARY SEWER PROFILE
13	SANITARY SEWER PROFILE
14	SANITARY SEWER PROFILE
15	SANITARY SEWER PROFILE
16	SANITARY SEWER PROFILE
17	SANITARY SEWER PROFILE
18	SANITARY SEWER PROFILE
19	STORM DRAIN PROFILES
20	STORM DRAIN PROFILES
21	STORM DRAIN PROFILES
22	STORM DRAIN PROFILES
23	STORMWATER MANAGEMENT PROFILES AND DETAILS
24	STORMWATER MANAGEMENT PROFILES AND DETAILS
25	STORMWATER MANAGEMENT PROFILES AND DETAILS
26	STORMWATER MANAGEMENT DETAILS
27	EROSION & SEDIMENT CONTROL PLAN
28	EROSION & SEDIMENT CONTROL PLAN
29	EROSION & SEDIMENT CONTROL PLAN
30	SEDIMENT CONTROL NOTES & DETAILS
31	SOIL BORINGS
32	POND SPECIFICATIONS
33	DRAINAGE AREA MAP
34	DRAINAGE AREA MAP
35	DRAINAGE AREA MAP
36	LANDSCAPE PLAN AND FOREST CONSERVATION DETAILS
37	LANDSCAPE PLAN AND FOREST CONSERVATION DETAILS
38	LANDSCAPE PLAN AND FOREST CONSERVATION DETAILS
39	TRAFFIC CIRCULATION PLAN

# SITE DEVELOPMENT PLAN CORRIDOR ONE 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

No.	REVISION	DATE
1	REVISE POND #3 TRASH RACK AS SHOWN ON SHEET 25	Nov 29, 2008



For Per. 1 only



**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN & MONUMENTED SURVEY ON OR ABOUT MARCH 1995 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 43A1 AND 43A2.
- WATER AND SEWER TO BE PUBLIC. CONNECTION TO CONTRACT NO. 2645-D-W&S.
- FLOODPLAIN STUDY PREPARED BY MILDENBERG, BOENDER & ASSOCIATES, INC. ON JUNE 1995.
- WETLAND DELINEATION PERFORMED BY RIEMER, MUEGGE & ASSOCIATES, INC. ON JUNE 1995.
- TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, INC. ON JUNE 15, 1995.
- STORMWATER MANAGEMENT FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED.
- EXISTING UTILITIES SHOWN HEREON ARE BASED ON A HOWARD COUNTY AS-BUILT SURVEY.
- DPZ REFERENCE NUMBERS:  
S-94-39 APPROVED ON JULY 22, 1994.  
WP-96-32 APPROVED ON NOVEMBER 6, 1995
- WET PONDS ARE USED FOR STORMWATER MANAGEMENT CONTROL.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:  
MISS UTILITY 1-800-257-7777  
C&P TELEPHONE COMPANY 725-9976  
HOWARD COUNTY BUREAU OF UTILITIES 313-4900  
AT&T CABLE LOCATION DIVISION 393-3533  
BALTIMORE GAS & ELECTRIC COMPANY 685-0123  
STATE HIGHWAY ADMINISTRATION 531-5533  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION 313-1880
- REFUSE COLLECTION WILL BE BY PRIVATE CONTRACTORS.
- NO DISTURBANCE OF WETLAND OR FLOODPLAIN AREAS IS PROPOSED.
- STRUCTURAL DESIGN OF THE NOISE WALL WILL BE PROVIDED AT THE BUILDING PERMIT STAGE BY SMITH-MIDLAND CORPORATION (703-439-3266) OR EQUIVALENT MANUFACTURER.
- ALL RETAINING WALLS INDICATED ON THIS PLAN ARE LESS THAN 3'-0" HIGH AND SHALL BE "KEystone" WALLS OR EQUIVALENT.
- TREE PROTECTION MEASURES AND DETAILS ARE INDICATED ON APPROVED LANDSCAPE PLAN.
- THE FOREST CONSERVATION EASEMENTS SHOWN HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, EXCEPT AS SHOWN ON AN APPROVED ROAD DRAWING OR SITE DEVELOPMENT PLAN. HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- WAIVER TO DESIGN MANUAL SECTIONS RELATING TO POND'S GEOMETRY AND MAINTENANCE REQUIREMENTS HAS BEEN APPROVED ON NOVEMBER 29, 1995
- WAIVER WP-96-32 TO SECTIONS 16.116(a)(i) AND 16.116 (a)(2)(ii) WHICH ALLOWS THE GRADING OF STREAM AND WETLANDS BUFFERS WAS APPROVED ON NOVEMBER 6, 1995.
- WETLAND BUFFER DISTURBANCE PERMIT IS IN PROCESS. TRACKING NO. 1996/6/322

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Wayne Newsome* 1/18/96  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**

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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Tacer Hikmat* 1/10/96  
SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engle* 2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Zuber* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John Swinney* 2/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Jim Swinney* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*Joseph J. Smith* 3/14/96  
DIRECTOR DATE

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS\***

**SITE TABULATION**

TOTAL AREA OF SUBMISSION	52.61 ACRES
EXISTING ZONING	R-MH
PROPOSED USE	MOBILE HOME PARK
AREA OF 100 YEAR FLOODPLAIN	0.55 ACRES
AREA OF 25% OR GREATER SLOPES	0.04 ACRES
NET AREA	52.02 ACRES
DENSITY PERMITTED AT 8 DU PER NET AREA	416 UNITS
DENSITY PROPOSED	416 UNITS
PARKING SPACES REQUIRED AT 2 PER UNIT	832 SPACES
PARKING SPACES PROVIDED	911 SPACES
OPEN SPACE REQUIRED - 25% OF GROSS AREA	13.15 Ac.
OPEN SPACE PROVIDED	24.00 Ac.±

**PERMIT INFORMATION BLOCK**

SUBDIVISION NAME CORRIDOR ONE		SECTION/AREA	PARCEL 4, 347, & P/O 3
LIBER/FOLIO 2804/40	BLOCK(S) 3	ZONING R-MH	TAX MAP NO. 43
WATER CODE		ELECTION DISTRICT 1st	CENSUS TRACT 6012
SEWER CODE			

**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
PARCELS: 4, 347 & P/O 3	7600 PORT CAPITAL DRIVE (FOR GRADING PERMIT ONLY)

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

project 94044 date JAN 96  
 illustration M.P. engineering approval  
 scale AS SHOWN J.H.

HOWARD COUNTY  
 TAX MAP 43, PARCELS 4, 347 & P/O 3  
 CORRIDOR ONE  
 1ST ELECTION DISTRICT  
 TITLE SHEET

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax

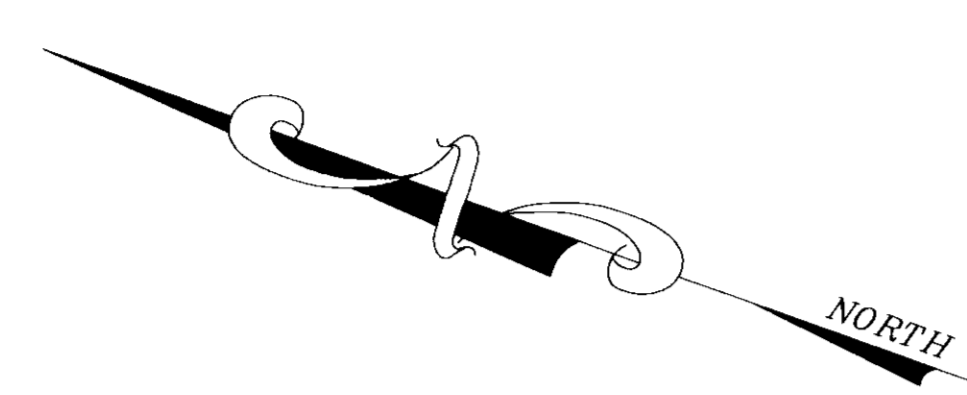
1 OF 39  
 SDP-96-20



CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-1	60.00'	188.50'	<infinite>	120.00'	N211°24'0"W	180°00'00"
C-2	60.00'	188.50'	<infinite>	120.00'	S211°24'0"E	180°00'00"
C-3	60.00'	188.50'	<infinite>	120.00'	S211°24'0"E	180°00'00"
C-4	60.00'	188.50'	<infinite>	120.00'	S211°24'0"E	180°00'00"
C-5	60.00'	188.50'	<infinite>	120.00'	N211°24'0"W	180°00'00"
C-6	60.00'	188.50'	<infinite>	120.00'	S211°24'0"E	180°00'00"
C-7	60.00'	188.50'	<infinite>	120.00'	N69°37'08"E	180°00'00"
C-8	155.00'	76.36'	38.97'	75.59'	N83°43'54"E	281°33'2"
C-9	60.00'	188.50'	<infinite>	120.00'	S07°50'40"W	180°00'00"
C-10	125.00'	61.58'	31.43'	60.96'	S83°43'54"W	281°33'2"
C-11	60.00'	188.50'	<infinite>	120.00'	S20°22'52"E	180°00'00"
C-12	60.00'	188.50'	<infinite>	120.00'	S20°22'52"E	180°00'00"
C-13	60.00'	188.50'	<infinite>	120.00'	S20°22'52"E	180°00'00"
C-14	60.00'	188.50'	<infinite>	120.00'	N20°22'52"W	180°00'00"
C-15	60.00'	188.51'	896473.69'	120.00'	S20°22'57"E	180°00'36"

ELP PARTNERSHIP  
1445 R57  
PARCELS 43  
ZONED R-MH

MATCH LINE - SHEET 2



MATCH LINE - SHEET 2

MATCH LINE - SHEET 2

MATCH LINE - SHEET 4

MATCH LINE - SHEET 4

**DEVELOPERS CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Wayne Newsome*  
SIGNATURE OF DEVELOPER  
1/10/96  
DATE  
R. WAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat*  
SIGNATURE OF ENGINEER  
1/10/96  
DATE  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engler/jec*  
USDA-NATURAL RESOURCE CONSERVATION SERVICE  
2/6/96  
DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Zichem/jrn*  
HOWARD SOIL CONSERVATION DISTRICT  
2/6/96  
DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John J. ...*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
2/6/96  
DATE  
*Jim ...*  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
3/12/96  
DATE  
*... ..*  
DIRECTOR  
3/14/96  
DATE

STATE OF MARYLAND  
477/185  
477/850  
PARCEL 3  
ZONED R-MH

NOTES: 1. SEE TYPICAL LAYOUT FOR SETBACK AND DIMENSIONS  
2. SEE SHEET NO. 28 FOR LIMITS OF DISTURBANCE.

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

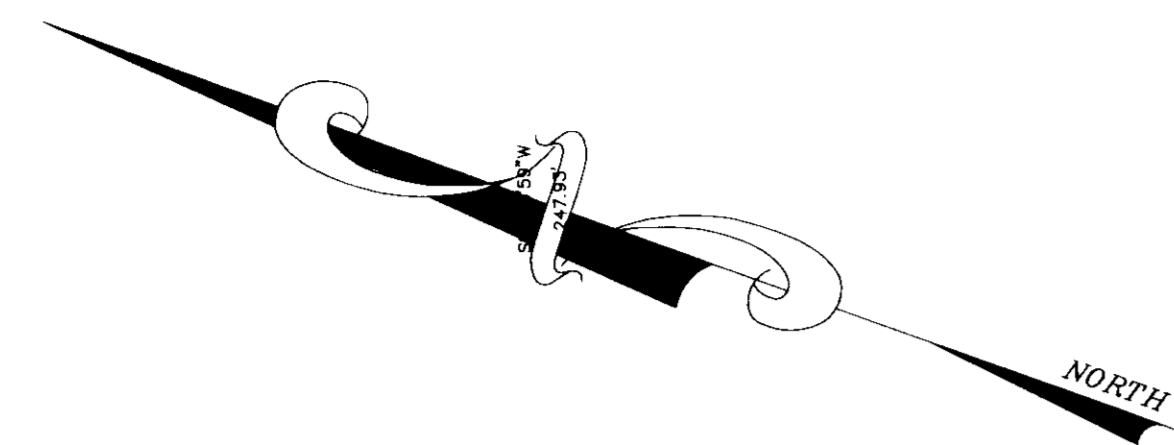
OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

JAN 96  
94044  
M.P.  
M.P.  
1"=50'

TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
SITE DEVELOPMENT PLAN  
HOWARD COUNTY  
1ST ELECTION DISTRICT

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Doresey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296, Fax: (301) 621-5521, Wash. (410) 397-0288 Fax

THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS



MATCH LINE - SHEET 2

MATCH LINE - SHEET 3

MATCH LINE - SHEET 3

STATE OF MARYLAND  
477/185  
477/550  
PARCEL 3  
ZONED R-WH

ALADDIN VILLAGE  
TRAILER PARK

PORT CAPITAL DRIVE

HOWARD COUNTY LOCAL ROAD

OLD WATERLOO ROAD (HOWARD COUNTY LOCAL ROAD)

- NOTES: 1. SEE TYPICAL LAYOUT FOR SETBACK AND DIMENSIONS.  
2. SEE SHEET NO. 29 FOR LIMITS OF DISTURBANCE & TREE PROTECTION FENCE

<p>DEVELOPERS CERTIFICATE</p> <p>I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 BEGINS THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.</p> <p><i>R. Wayne Newsome</i> 1-18-96 SIGNATURE OF DEVELOPER DATE</p> <p>R. WAYNE NEWSOME PRINTED NAME OF DEVELOPER</p>	
<p>ENGINEER'S CERTIFICATE</p> <p>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 NATURAL RESOURCE CONSERVATION SERVICE.</p> <p><i>R. Jacob Hymmat</i> 1/10/96 SIGNATURE OF ENGINEER DATE</p> <p>R. JACOB HYMMAT PRINTED NAME OF ENGINEER</p>	
<p>THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.</p> <p><i>Patricia Engle/PH</i> 2/6/96 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE</p>	
<p>THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Robert W. Zichon/PH</i> 2/6/96 HOWARD SOIL CONSERVATION DISTRICT DATE</p>	
<p>AS BUILT CERTIFICATION</p>	
<p>ENGINEER'S SIGNATURE DATE</p> <p><i>John P. ...</i> 3/10/96 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE</p>	
<p>APPROVED: DEPARTMENT OF PLANNING AND ZONING</p> <p><i>Uma ...</i> 3/12/96 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE</p>	
<p><i>James S. ...</i> 3/14/96 DIRECTOR DATE</p>	

94044	NOV. 95	M.P.	J.H.
		M.P.	

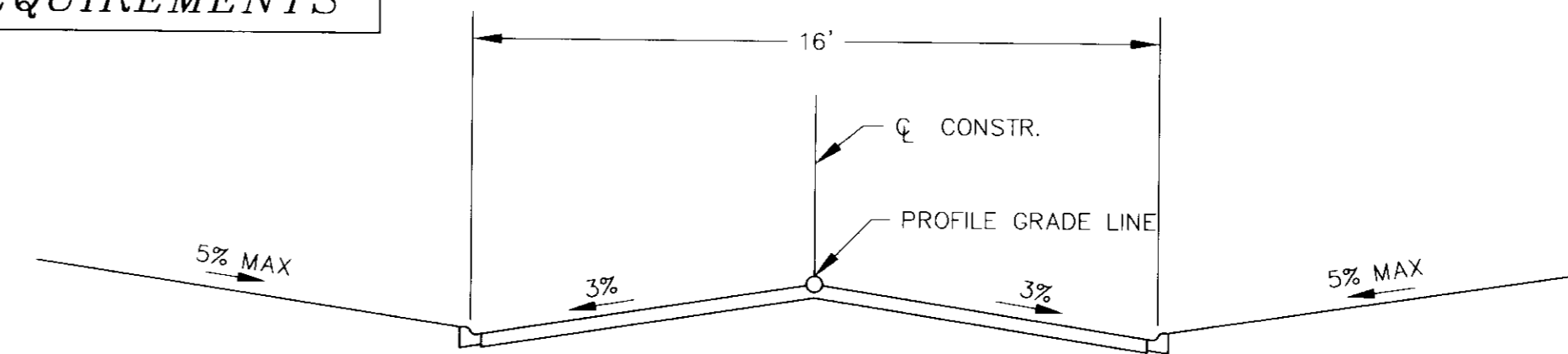
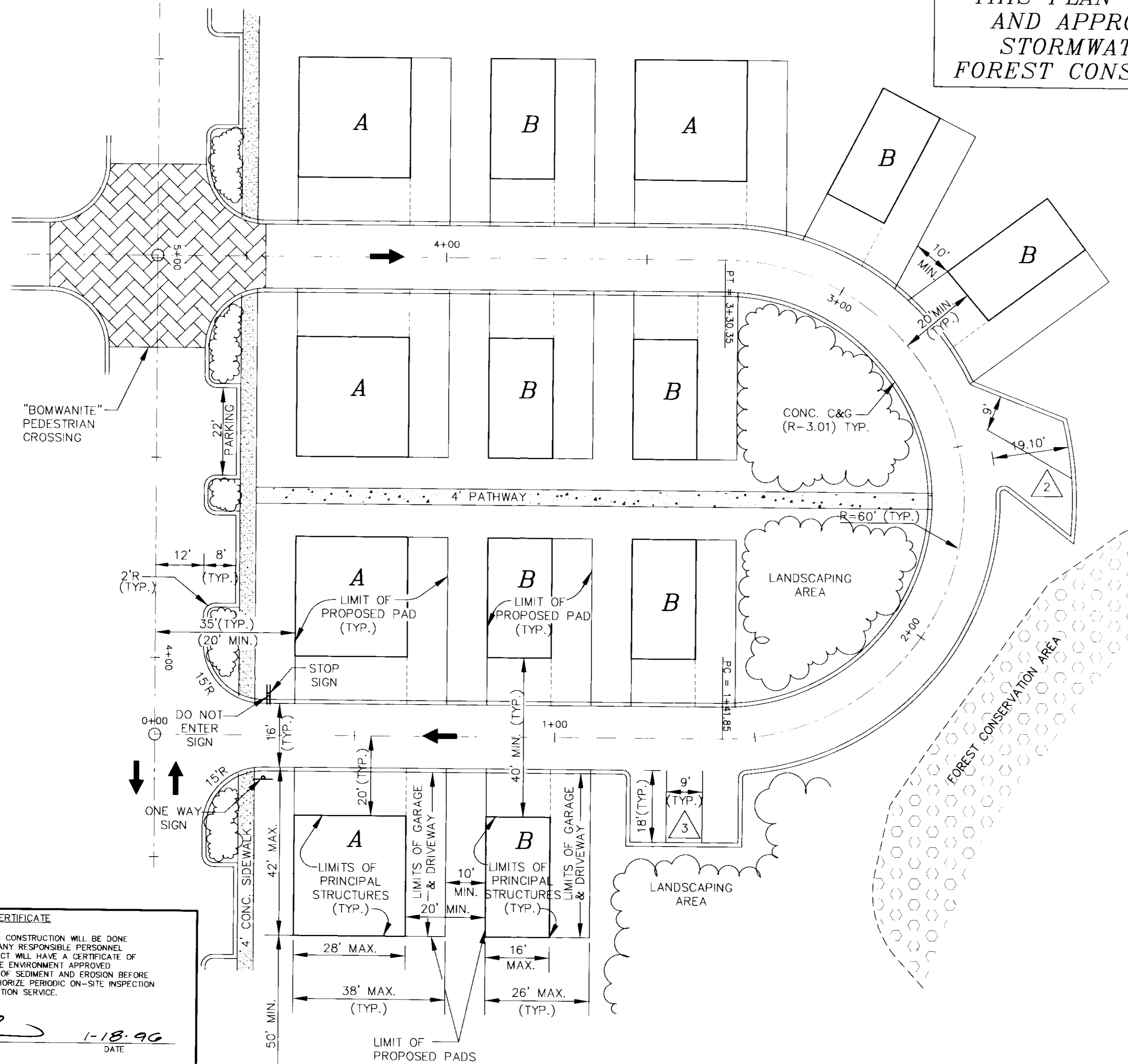
TAX MAP 43, PARCELS 4, 347 & P/O 3
CORRIDOR ONE
HOWARD COUNTY
SITE DEVELOPMENT PLAN

TAX MAP 43, PARCELS 4, 347 & P/O 3
CORRIDOR ONE
HOWARD COUNTY
SITE DEVELOPMENT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5079 Dorsey Hall Drive Suite 202, Ellicott City, Maryland, 21042  
(410) 997-0286 Bldg. (301) 621-5521 Wash. (410) 997-0288 Fax.

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

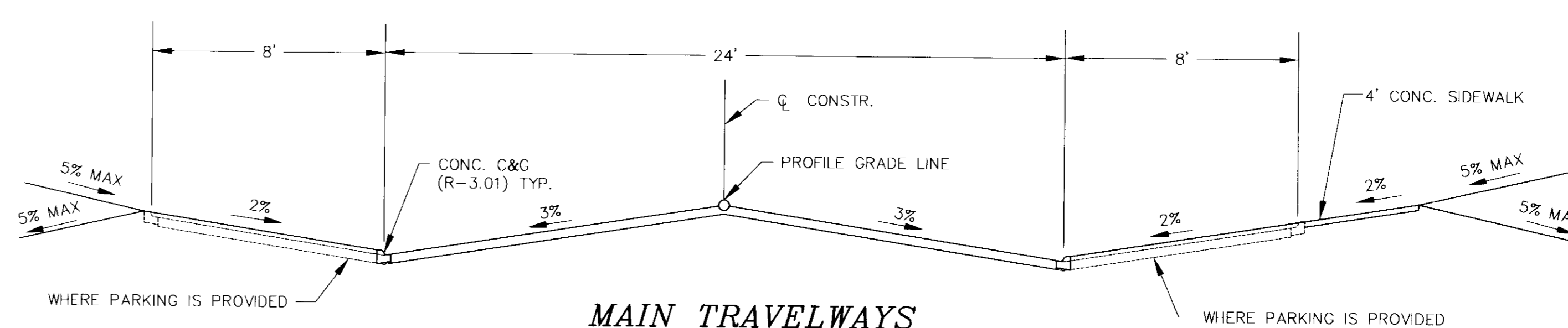
THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS



LOCAL TRAVELWAYS

TYPICAL SECTION

FOR PAVING SECTION SEE STANDARD DETAIL THIS SHEET

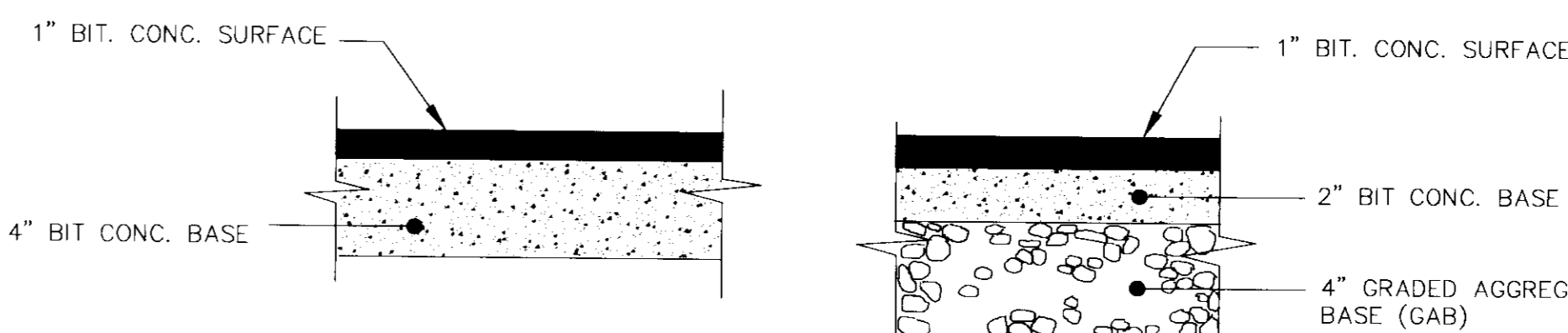


MAIN TRAVELWAYS

TYPICAL SECTION

FOR PAVING SECTION SEE STANDARD DETAIL THIS SHEET

N.T.S.



PAVING SECTIONS

P-1

N.T.S.

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 PERSONS ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1-18-96  
 S. WAYNE NEWSOME  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 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 CONFORMANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 2/6/96  
 R. JACOB HIKMAT  
 PRINTED NAME OF ENGINEER

USDA - NATURAL RESOURCE CONSERVATION SERVICE

Signature: *[Signature]* DATE: 2/6/96  
 Patricia Engle  
 USDA - NATURAL RESOURCE CONSERVATION SERVICE

Signature: *[Signature]* DATE: 2/6/96  
 Robert W. Ziehm  
 HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATION

Signature: *[Signature]* DATE: 3/12/96  
 CHEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *[Signature]* DATE: 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96  
 DIRECTOR

TYPICAL PAD LAYOUT  
 SCALE: 1" = 20'

- NOTES:**
- ALL UNITS WHICH ARE TO BE CONSTRUCTED IN THIS DEVELOPMENT WILL BE IN CONFORMANCE WITH HUD AND THE STATE OF MARYLAND SPECIFICATIONS FOR MOBILE HOMES.
  - ALL PROPOSED PRINCIPAL STRUCTURES ARE LESS THAN 34 FT. IN HEIGHT. ALL STRUCTURES ACCESSORY TO THE PRINCIPAL STRUCTURES ARE LESS THAN 15 FT. IN HEIGHT.
  - EACH UNIT WILL HAVE A ONE (1) CAR GARAGE AND A DRIVEWAY.
  - GRADING FOR THE PADS WILL BE IN GENERAL CONFORMANCE WITH THE SITE'S MASS GRADING. ELEVATION DIFFERENCE BETWEEN FIRST FLOOR AND GRADE MUST BE A MINIMUM OF 1.5 FT AND A MAXIMUM OF 3.0'.
  - THE DEVELOPMENT IS IN CONFORMANCE WITH HOWARD COUNTY ZONING REGULATIONS FOR R-MH DISTRICT. NO VARIANCES ARE REQUIRED.
  - PAD "A" AND "B" SIZES ARE PROPOSED. PRINCIPAL STRUCTURES FOR ANY UNIT MUST BE EQUAL TO OR SMALLER THAN THE "LIMITS OF PRINCIPAL STRUCTURES" INDICATED. THE ENTIRE UNIT MUST BE EQUAL OR SMALLER THAN THE "LIMITS OF PROPOSED PADS" INDICATED.

STRUCTURE SCHEDULE

NO.	LOCATION	RIM ELEV.	INV. IN	INV. OUT	COMMENTS	NO.	LOCATION	RIM ELEV.	INV. IN	INV. OUT	COMMENTS
I-1	CL STA 0+46.98 ROAD A - 12' RIGHT	264.27	251.81	251.71	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-51	CL STA 1+92.42 ROAD 9B - 8' LEFT	236.57	227.20	227.10	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-1A	N 550041.7285 E 1373835.6933	249.44	---	246.40	TYPE K, SEE HO. CO. STD. DTL. SD 4.12	I-52	CL STA 1+17.93 ROAD 9A - 8' RIGHT	238.82	233.85	233.60	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-2	CL STA 0+46.98 ROAD A 12' LEFT	264.29	256.07	252.35	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-53	CL STA 1+17.93 ROAD 9A - 8' LEFT	239.65	---	234.25	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-3	CL STA 0+27.00 ROAD 1A - 8' RIGHT	268.32	259.95	259.85	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-54	CL STA 7+04.53 ROAD 10B - 8' RIGHT	230.07	220.05	217.34	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-4	CL STA 7+07.81 ROAD 1A - 8' LEFT	272.06	262.00	261.75	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-55	CL STA 7+04.53 ROAD 10B - 8' LEFT	230.06	220.35	220.25	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-5	CL STA 2+85.13 ROAD A - 12' LEFT	272.04	262.48	262.38	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-56	CL STA 2+12.64 ROAD 10B - 8' LEFT	227.28	221.40	221.30	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-6	CL STA 0+27.00 ROAD 2A - 8' RIGHT	273.78	264.21	264.11	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.01	I-57	CL STA 2+12.64 ROAD 10B - 8' RIGHT	227.09	222.50	222.50	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-7	CL STA 4+09.46 ROAD A - 12' LEFT	273.45	264.53	264.43	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.01	I-58	CL STA 0+27.00 ROAD 10A - 8' RIGHT	233.29	223.85	223.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-8	CL STA 6+25.91 ROAD 2A - 8' LEFT	274.48	266.35	266.10	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	I-59	CL STA 0+31.71 ROAD 10A - 8' LEFT	233.22	224.15	224.05	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-9	CL STA 2+26.48 ROAD 2B - 8' LEFT	276.06	268.75	268.75	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.01	I-60	CL STA 0+46.82 ROAD C - 17' LEFT	230.23	225.35	225.10	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-10	CL STA 2+26.48 ROAD 2B - 8' RIGHT	264.43	259.76	260.00	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	I-61	CL STA 4+29.08 ROAD 10B - 8' LEFT	229.88	225.75	225.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-11	CL STA 2+26.48 ROAD 2B - 8' LEFT	266.04	---	260.50	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	I-62	CL STA 4+29.08 ROAD 10B - 8' RIGHT	223.00	219.75	219.12	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-12	N 550570.1728 E 1373707.8198	259.00	---	252.29	TYPE D, SEE HO. CO. STD. DTL. SD 4.01	I-63	CL STA 4+29.08 ROAD 10B - 8' RIGHT	223.00	219.75	219.12	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01
I-13	CL STA 2+81.01 ROAD 3B - 26' RIGHT	264.07	260.35	261.00	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	I-64	CL STA 4+29.08 ROAD 10B - 8' RIGHT	248.42	235.89	234.70	MH HO. CO. STD. DTL. G 5.01
I-14	CL STA 2+81.01 ROAD 3B - 8' LEFT	265.27	---	260.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-1A	N 550316.3895 E 1373758.9483	239.50	234.93	234.83	MH HO. CO. STD. DTL. G 5.01
I-15	N 550801.3074 E 1373492.0633	263.00	247.79	247.69	TYPE D, SEE HO. CO. STD. DTL. SD 4.11	MH-2	N 550107.0854 E 1373773.9896	253.82	236.89	236.79	MH HO. CO. STD. DTL. G 5.01
I-16	CL STA 3+12.50 ROAD B - 30' RIGHT	256.17	250.32	250.07	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-3	N 550352.3054 E 1373784.0136	252.53	248.00	238.37	MH HO. CO. STD. DTL. G 5.01
I-17	CL STA 3+12.50 ROAD B - 12' LEFT	256.69	---	250.55	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-4	N 550574.9016 E 1373737.9781	247.35	240.55	240.55	MH HO. CO. STD. DTL. G 5.01
I-18	N 550986.7282 E 1373435.9036	257.50	---	254.50	TYPE D, SEE HO. CO. STD. DTL. SD 4.11	MH-5	CL STA 2+79.36 ROAD 3B - 43.5' RIGHT	252.88	244.77	244.67	MH HO. CO. STD. DTL. G 5.01
I-18A	N 550998.4883 E 1373432.0439	257.50	---	254.50	TYPE D, SEE HO. CO. STD. DTL. SD 4.11	MH-6	N 550794.8323 E 1373663.1688	258.35	246.33	246.23	MH HO. CO. STD. DTL. G 5.01
I-19	CL STA 5+86.25 ROAD 4A - 15' LEFT	267.92	258.65	258.55	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	MH-7	CL STA 1+67.25 ROAD B - 32' RIGHT	258.61	251.68	249.30	MH HO. CO. STD. DTL. G 5.01
I-20	CL STA 5+86.25 ROAD 4A - 8' RIGHT	267.95	259.91	259.81	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	MH-8	CL STA 1+67.25 ROAD B - 32' LEFT	258.61	251.68	249.30	MH HO. CO. STD. DTL. G 5.01
I-21	CL STA 9+67.79 ROAD A - 12' LEFT	268.51	260.49	260.39	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-9	CL STA 1+46.91 ROAD B - 14.5' RIGHT	260.00	253.50	253.21	MH HO. CO. STD. DTL. G 5.01
I-22	CL STA 0+27.00 ROAD 4A - 8' LEFT	272.60	262.83	262.73	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	MH-10	CL STA 6+56.04 ROAD 5B - 12.5' RIGHT	239.94	235.53	235.43	MH HO. CO. STD. DTL. G 5.01
I-23	CL STA 8+43.46 ROAD A - 12' LEFT	272.79	263.35	263.25	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-11	CL STA 4+74.70 ROAD 11 - 24' RIGHT	238.27	228.50	214.32	MH HO. CO. STD. DTL. G 5.01
I-24	CL STA 5+98.03 ROAD 3A - 8' RIGHT	274.47	267.90	267.65	TYPE A-10, SEE HO. CO. STD. DTL. SD 4.02	MH-12	CL STA 3+59.25 ROAD 8B - 14' LEFT	240.02	231.36	231.26	MH HO. CO. STD. DTL. G 5.01
I-25	CL STA 7+23.46 ROAD A - 12' LEFT	274.25	---	268.32	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-13	CL STA 4+74.70 ROAD 11 - 24' RIGHT	235.25	226.95	222.35	MH HO. CO. STD. DTL. G 5.01
I-26	CL STA 6+00.00 ROAD 5B - 8' RIGHT	239.18	234.74	230.38	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-14	CL STA 8+91.08 ROAD 11 - 12' RIGHT	229.90	223.85	223.75	MH HO. CO. STD. DTL. G 5.01
I-27	CL STA 6+00.00 ROAD 5B - 8' LEFT	239.23	---	235.50	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-15	N 550818.1454 E 1374600.7246	236.47	212.88	212.78	MH HO. CO. STD. DTL. G 5.01
I-28	CL STA 7+44.17 ROAD 5B - 8' RIGHT	241.92	236.93	236.68	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-16	CL STA 1+64.20 ROAD 9B - 3' LEFT	239.49	228.00	227.90	MH HO. CO. STD. DTL. G 5.01
I-29	CL STA 3+29.68 ROAD 8A - 8' RIGHT	242.57	237.85	237.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-17	CL STA 0+33.66 ROAD 9A - 3' RIGHT	239.19	233.00	233.00	MH HO. CO. STD. DTL. G 5.01
I-30	CL STA 8+26.70 ROAD 5B - 8' RIGHT	243.99	238.55	238.45	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-18	CL STA 5+33.62 ROAD 10B - 16.5' RIGHT	224.19	218.51	218.41	MH HO. CO. STD. DTL. G 5.01
I-31	CL STA 8+26.70 ROAD 5B - 8' LEFT	243.99	239.10	239.00	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	MH-19	N 550674.2161 E 1374654.7107	234.32	217.02	216.92	MH HO. CO. STD. DTL. G 5.01
I-32	CL STA 3+32.00 ROAD 5B - 8' LEFT	245.74	240.10	240.10	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES1	N 550134.7079 E 1373800.1758	---	234.00	---	27' HO. CO. STD. DTL. D 5.61
I-33	CL STA 3+32.00 ROAD 5B - 8' RIGHT	245.76	---	240.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES2	N 550179.2221 E 1373791.5599	---	234.00	---	21' HO. CO. STD. DTL. D 5.61
I-34	CL STA 3+29.68 ROAD 7 - 8' RIGHT	243.59	243.49	243.49	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES3	N 550487.6152 E 1374059.8995	---	230.00	---	24' HO. CO. STD. DTL. D 5.61
I-35	CL STA 9+36.50 ROAD 5B - 8' RIGHT	248.63	244.30	244.05	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES4	N 550994.1056 E 1374814.4148	---	212.00	---	24' HO. CO. STD. DTL. D 5.61
I-36	CL STA 2+61.68 ROAD 6 - 8' RIGHT	253.76	---	249.50	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES5	N 550908.9420 E 1374792.1768	---	212.00	---	15' HO. CO. STD. DTL. D 5.61
I-37	CL STA 3+02.59 ROAD 8B - 8' LEFT	239.48	232.55	232.50	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01	ES6	N 550135.2504 E 1373804.6195	---	234.00	---	
I-38	CL STA 3+02.59 ROAD 8B - 8' RIGHT	239.58	---	232.85	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-39	N 551140.8313 E 1374694.6248	236.02	221.03	220.53	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-40	CL STA 5+62.15 ROAD 11 - 26' RIGHT	233.15	229.75	229.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-41	CL STA 8+29.36 ROAD 11 - 8' LEFT	229.40	224.55	224.30	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-42	CL STA 8+29.36 ROAD 11 - 8' RIGHT	229.42	---	224.75	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-43	CL STA 3+21.65 ROAD 11 - 8' RIGHT	240.06	226.98	226.88	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-44	CL STA 3+19.36 ROAD 11 - 8' LEFT	240.06	226.67	226.42	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-45	CL STA 11+07.00 ROAD 11 - 8' LEFT	235.07	229.70	229.70	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-46	CL STA 11+07.00 ROAD 11 - 8' RIGHT	235.09	230.00	229.90	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-47	CL STA 14+36.32 ROAD E - 12' LEFT	240.50	240.40	240.40	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-48	CL STA 9+44.46 ROAD B - 12' LEFT	248.46	242.42	242.32	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-49	CL STA 2+28.78 ROAD D - 16.5' LEFT	250.00	---	243.42	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						
I-50	CL STA 1+92.42 ROAD 9B - 8' RIGHT	236.55	226.72	213.33	TYPE A-5, SEE HO. CO. STD. DTL. SD 4.01						

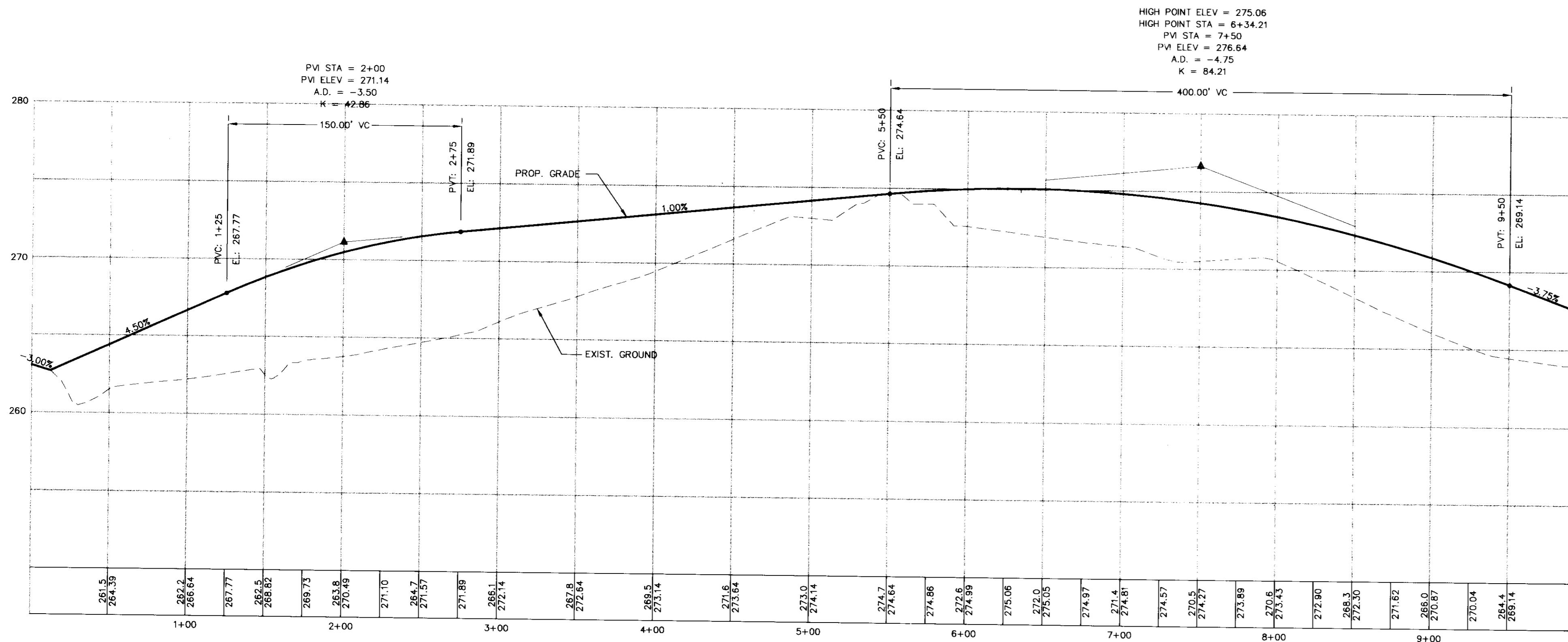
OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERSTOWN, MARYLAND 21136  
 (410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 CONSTRUCTION DETAILS

HOWARD COUNTY  
 DISTRICT

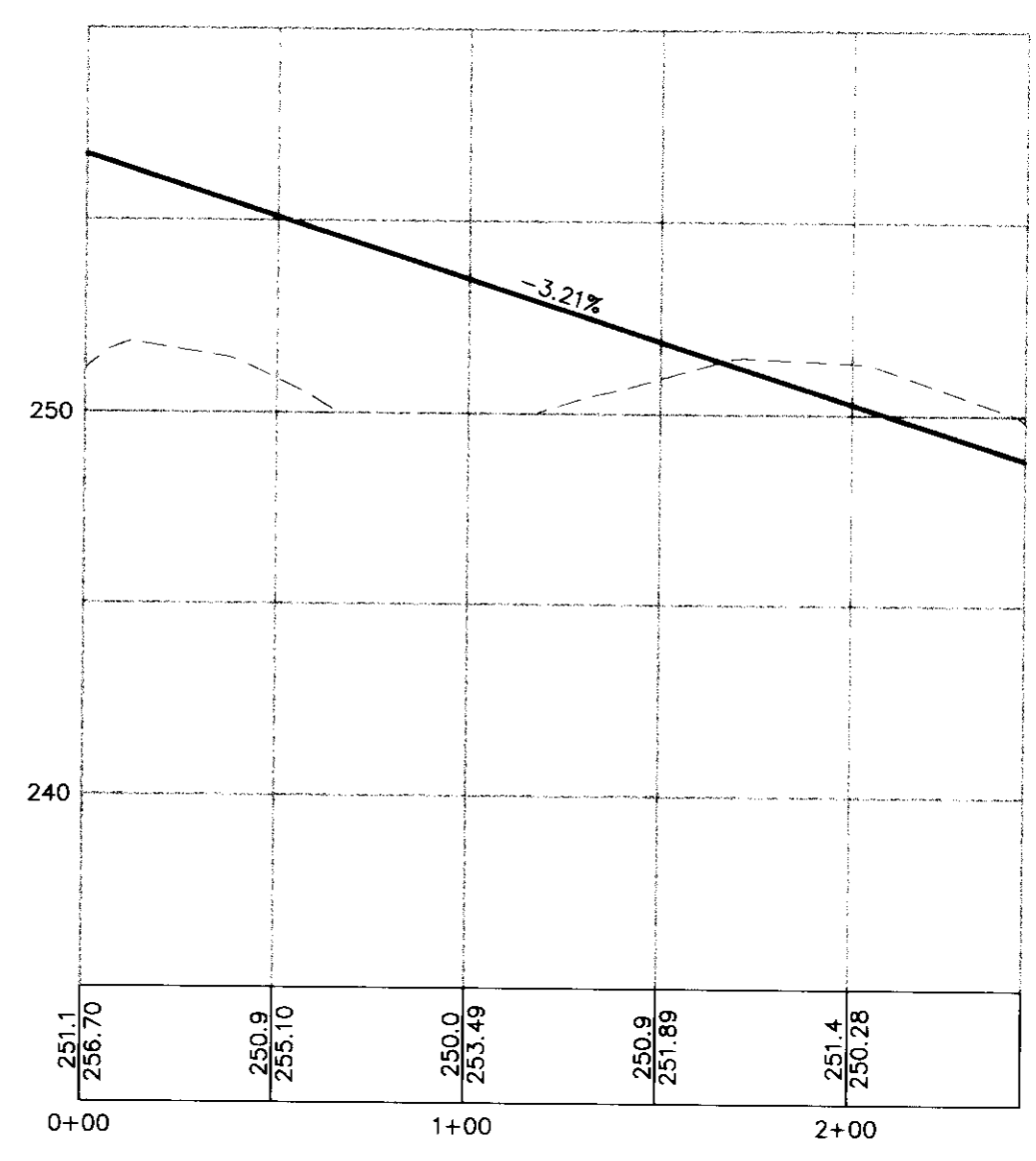
**MILDBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsy Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0298 Fax (301) 621-5521 Wash. (410) 987-0298 Fax

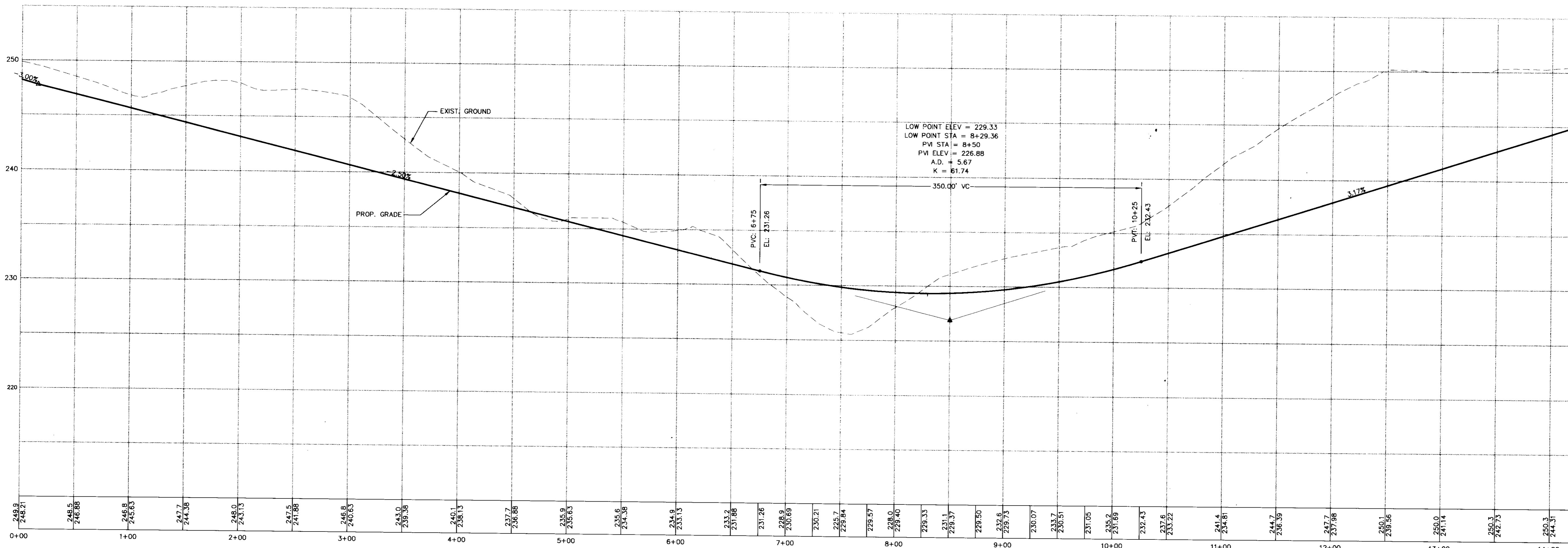
5 OF 39  
 SDP-96-20



**ROAD "A" PROFILE**

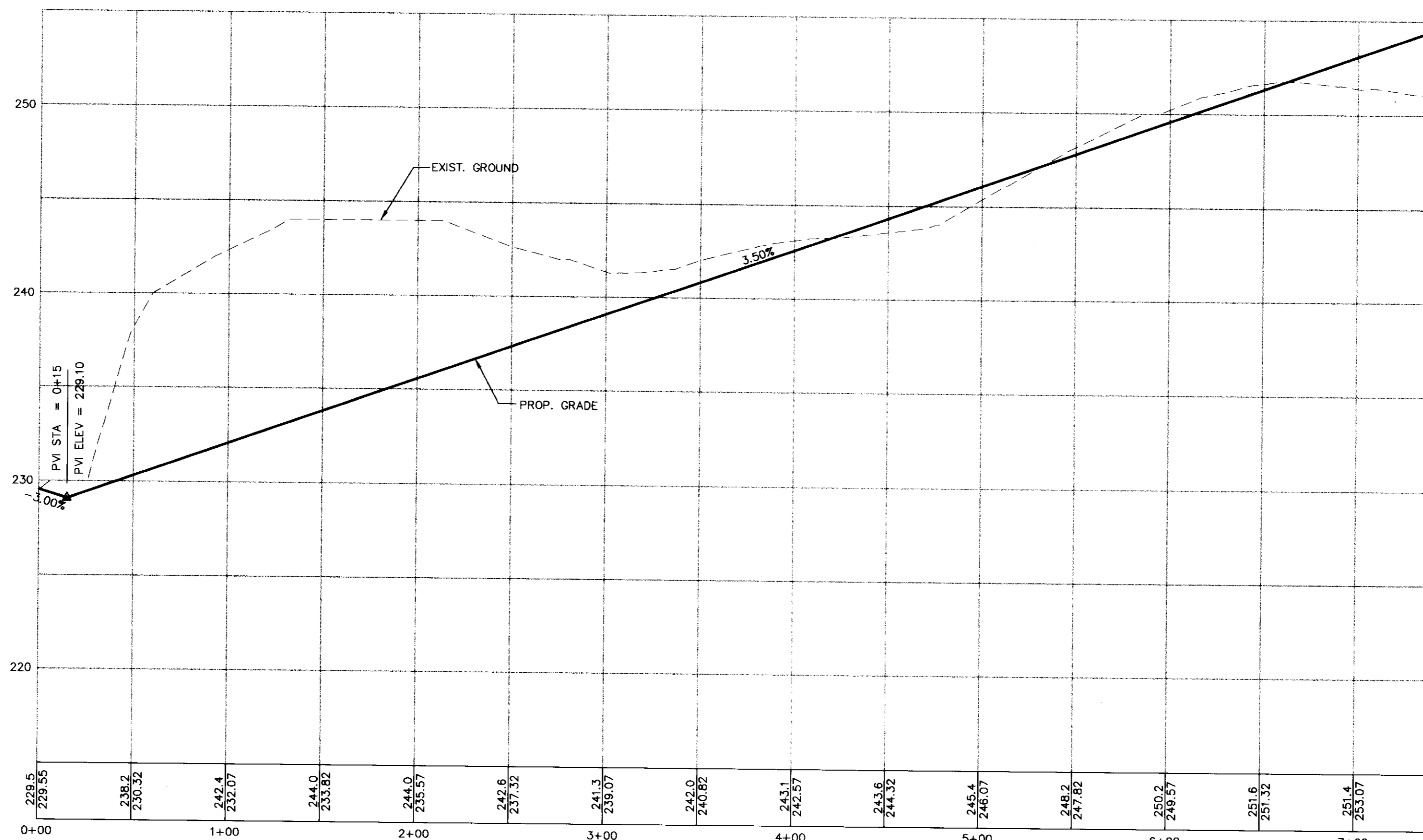
SCALE: HOR. 1"=50'  
VER. 1"=5'





**ROAD "11" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



**ROAD "C" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/12/96  
DATE  
R. WAINE NEWSOM  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
DATE  
R. WAINE NEWSOM  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
DATE  
PATRICIA ENGLISH  
USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
DATE  
ROBERT W. ZIMMERMAN  
HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 5/8/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 3/12/96  
DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

*[Signature]* 3/14/96  
DATE  
DIRECTOR

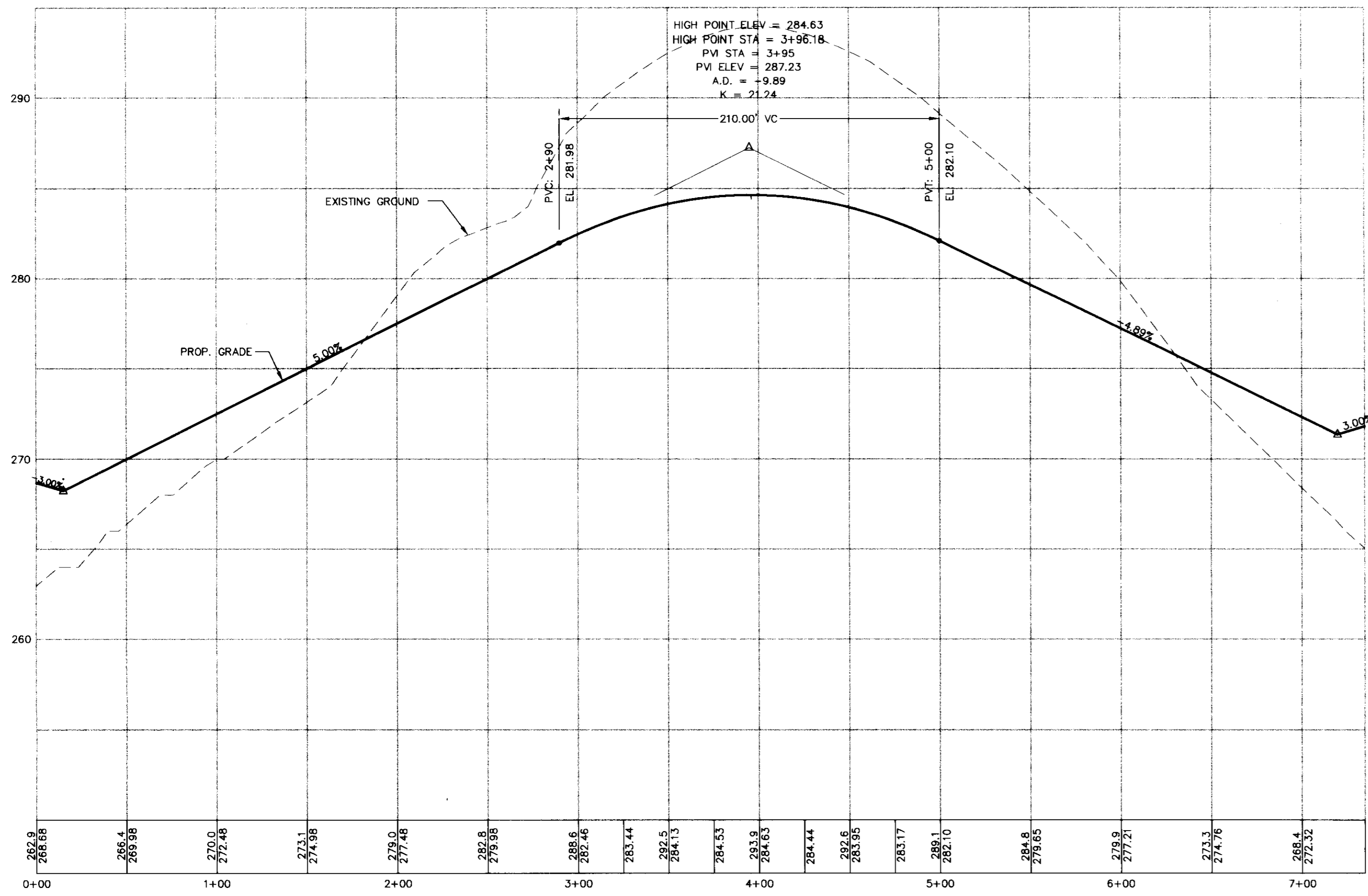
*[Handwritten Signature]*

Project	94044	Date	JAN 96
Illustration	M.P.	engineer	M.P.
Scale	1"=50'	approval	J.H.

No.	description	date

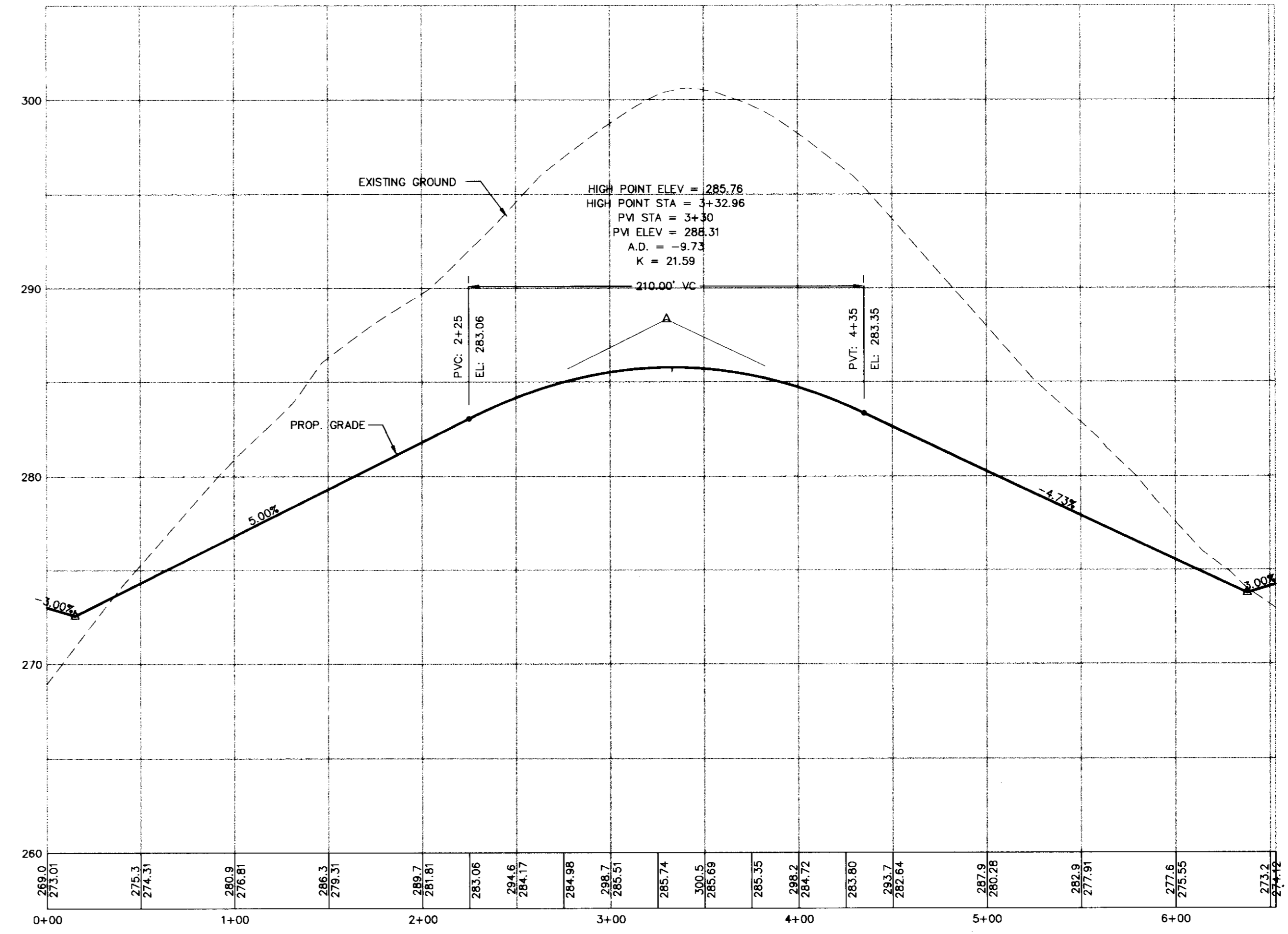
TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST. ELECTION DISTRICT  
ROAD PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsy Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0236 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax



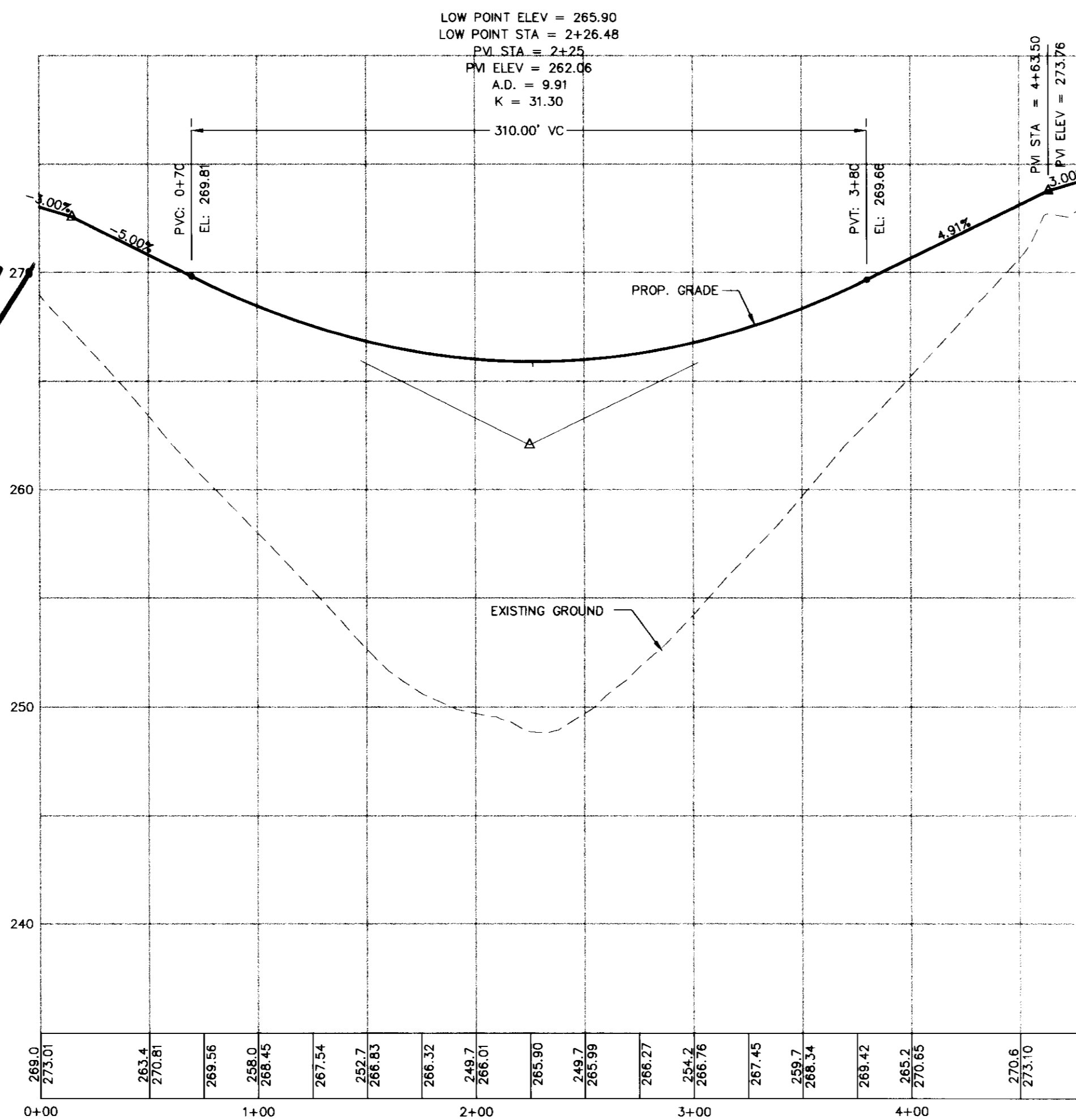
**ROAD "1A" PROFILE**

SCALE: HOR: 1"=50'  
VER: 1"=5'



**ROAD "2A" PROFILE**

SCALE: HOR: 1"=50'  
VER: 1"=5'



**ROAD "2B" PROFILE**

SCALE: HOR: 1"=50'  
VER: 1"=5'

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/19/96  
SIGNATURE OF DEVELOPER DATE  
S. WAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

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 NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/16/96  
SIGNATURE OF ENGINEER DATE  
R. [Signature]  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/16/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE  
APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 3/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*[Signature]* 3/14/96  
DIRECTOR DATE

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
(410) 526-4030

94044-PROJ

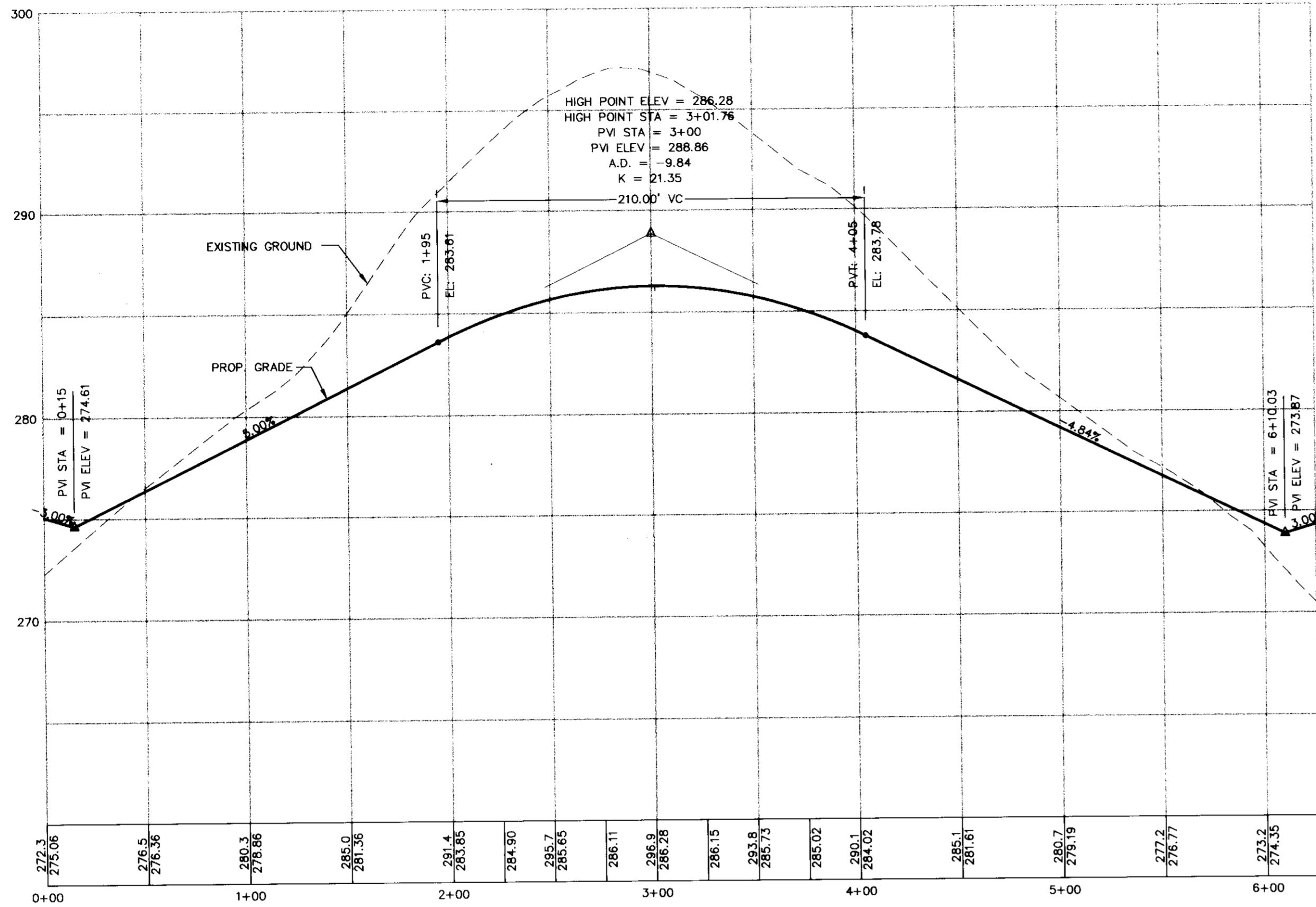
project 94044 date JAN 96  
illustration M.P. M.P. M.P.  
scale 1"=50' M.P. M.P. M.P.  
vertical 1"=5' J.H. J.H. J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
ROAD PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Bal. (301) 621-5521 Wash. (410) 997-0298 Fax

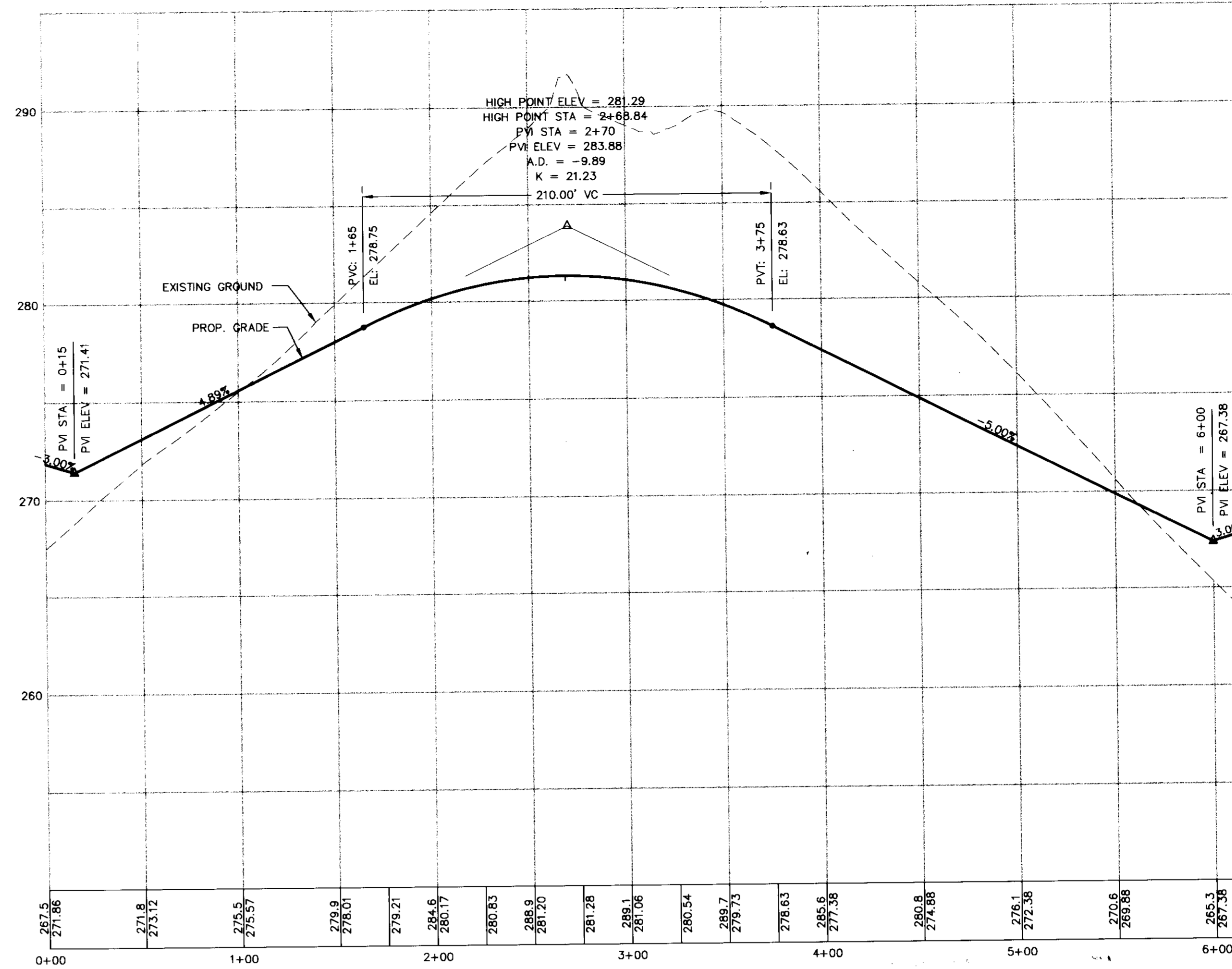
8 OF 39  
SDP-96-20





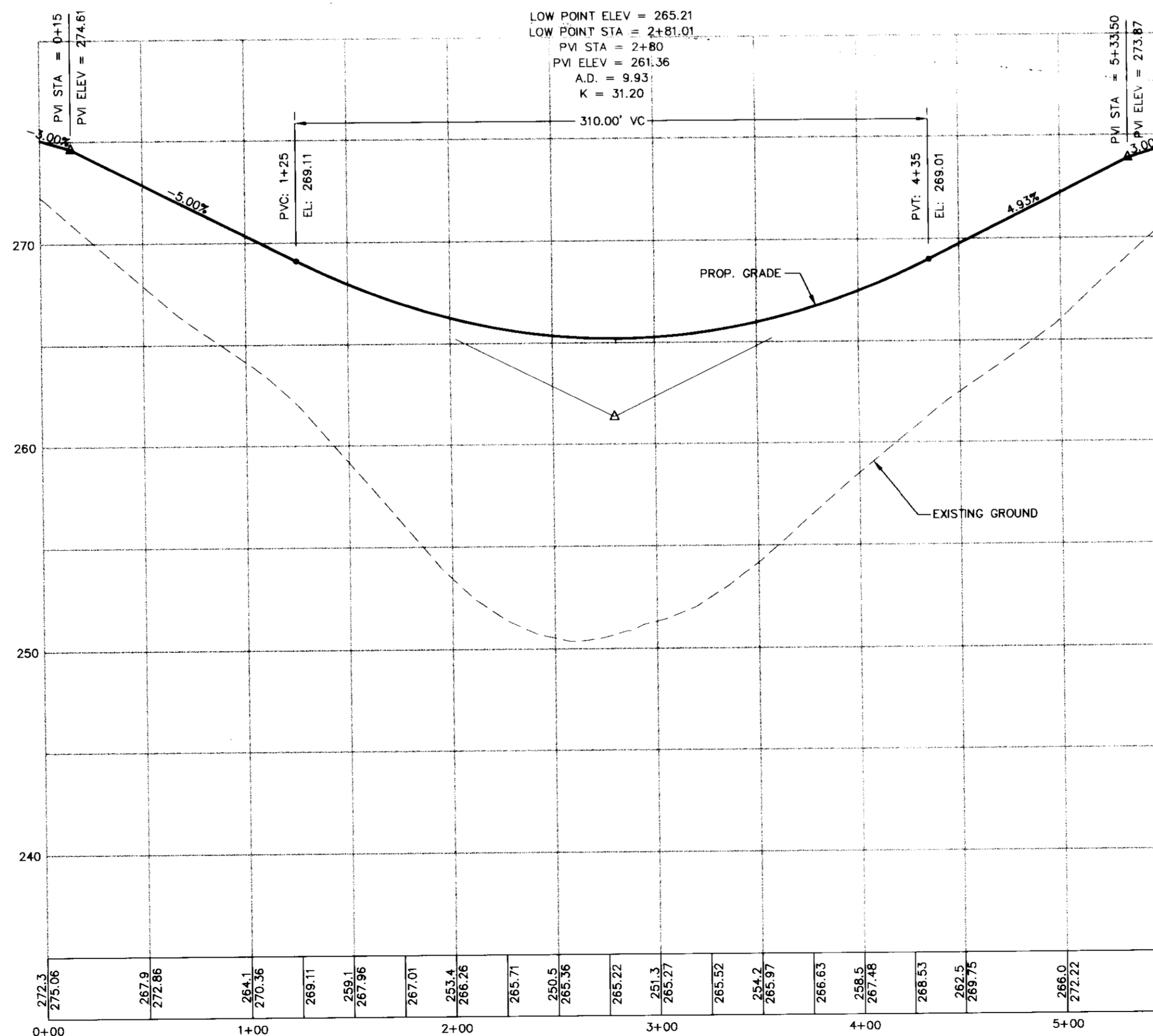
**ROAD "3A" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



**ROAD "4A" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



**ROAD "3B" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/18/96  
R. HAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/10/96  
R. HAYNE NEWSOME  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *[Signature]* DATE: 2/6/96  
PATRICIA ENGLE  
USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *[Signature]* DATE: 2/6/96  
Robert W. Zilber  
HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE: *[Signature]* DATE: 3/12/96  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *[Signature]* DATE: 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96  
DIRECTOR

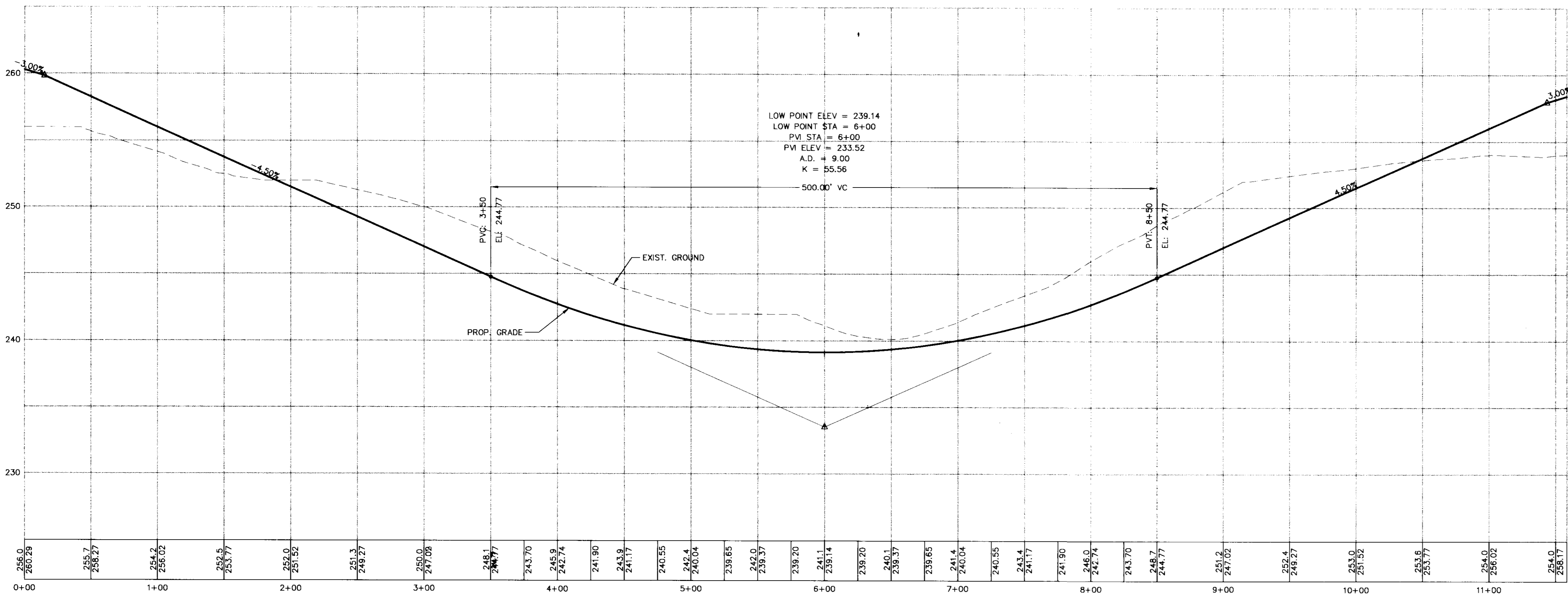


Project	94044	Date	JAN 96
Illustration	M.P.	Engineering	M.P.
Scale	1"=50'	Approval	J.H.
Version	VER. 1"=5'		

No.	Description	Date

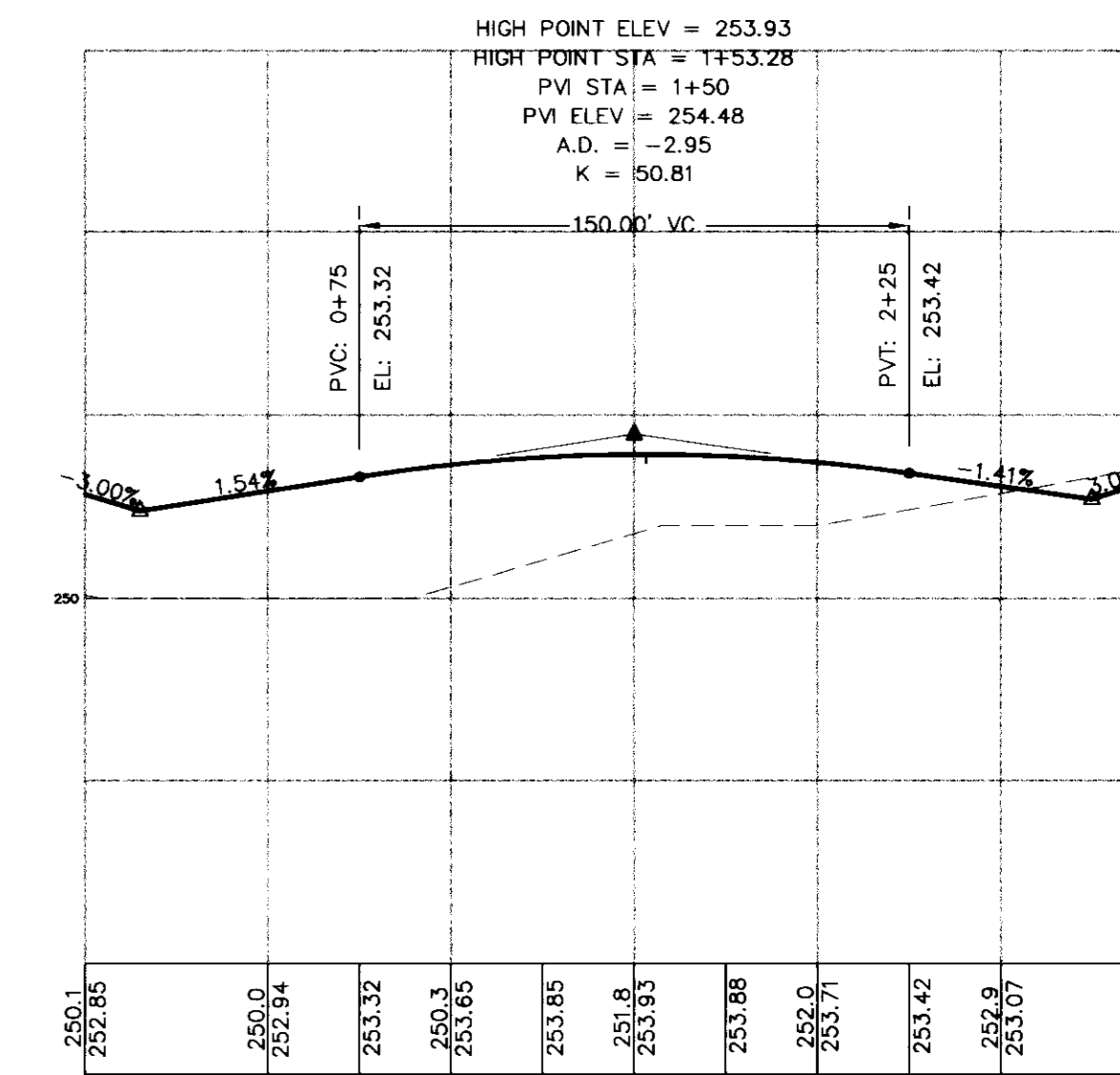
TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
ROAD PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsou Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 987-0286; Balt. (301) 621-5521; Wash. (410) 987-0288 Fax



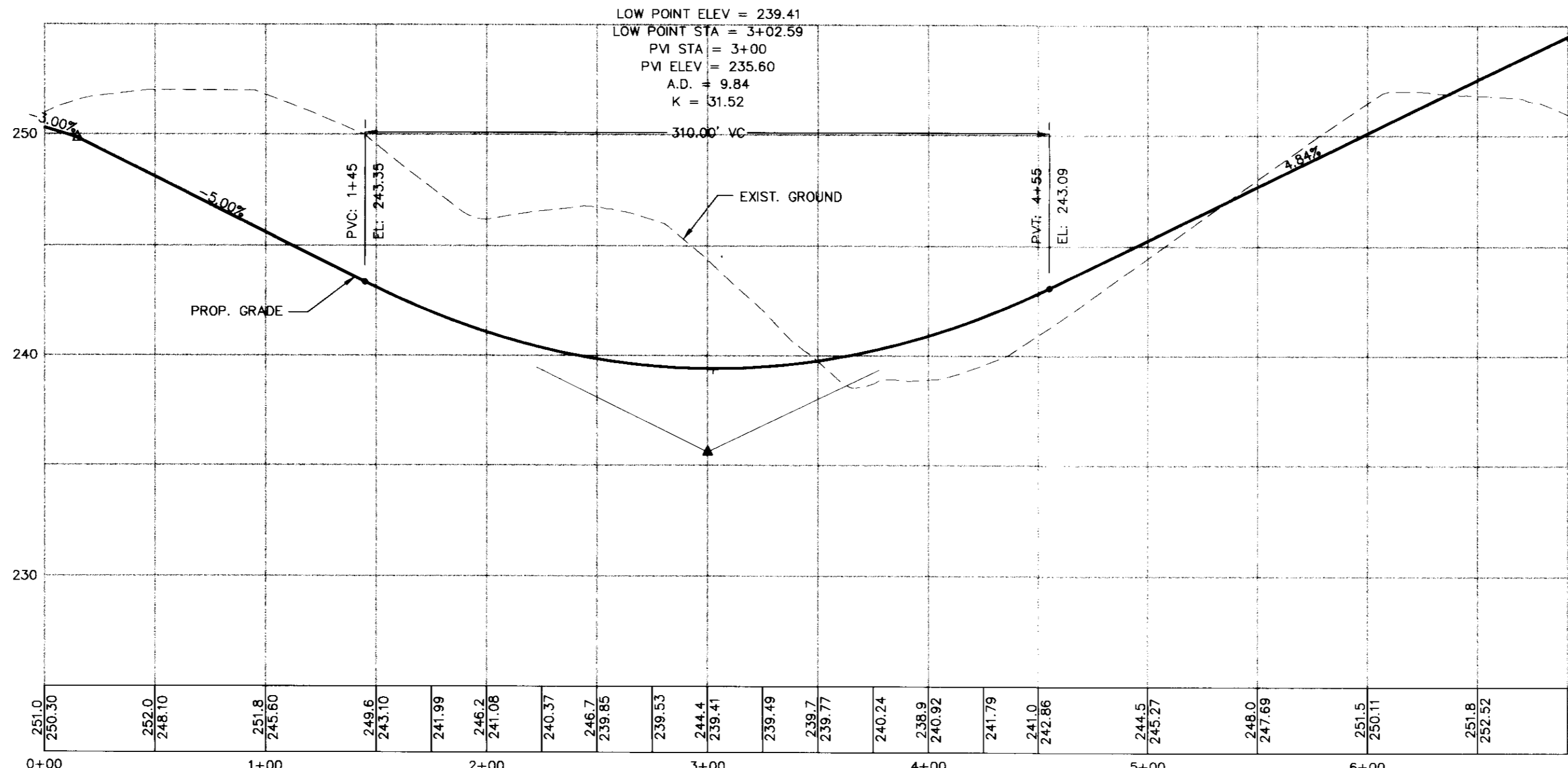
**ROAD "5B" PROFILE**

SCALE: HOR. 1"=50'  
 VER. 1"=5'



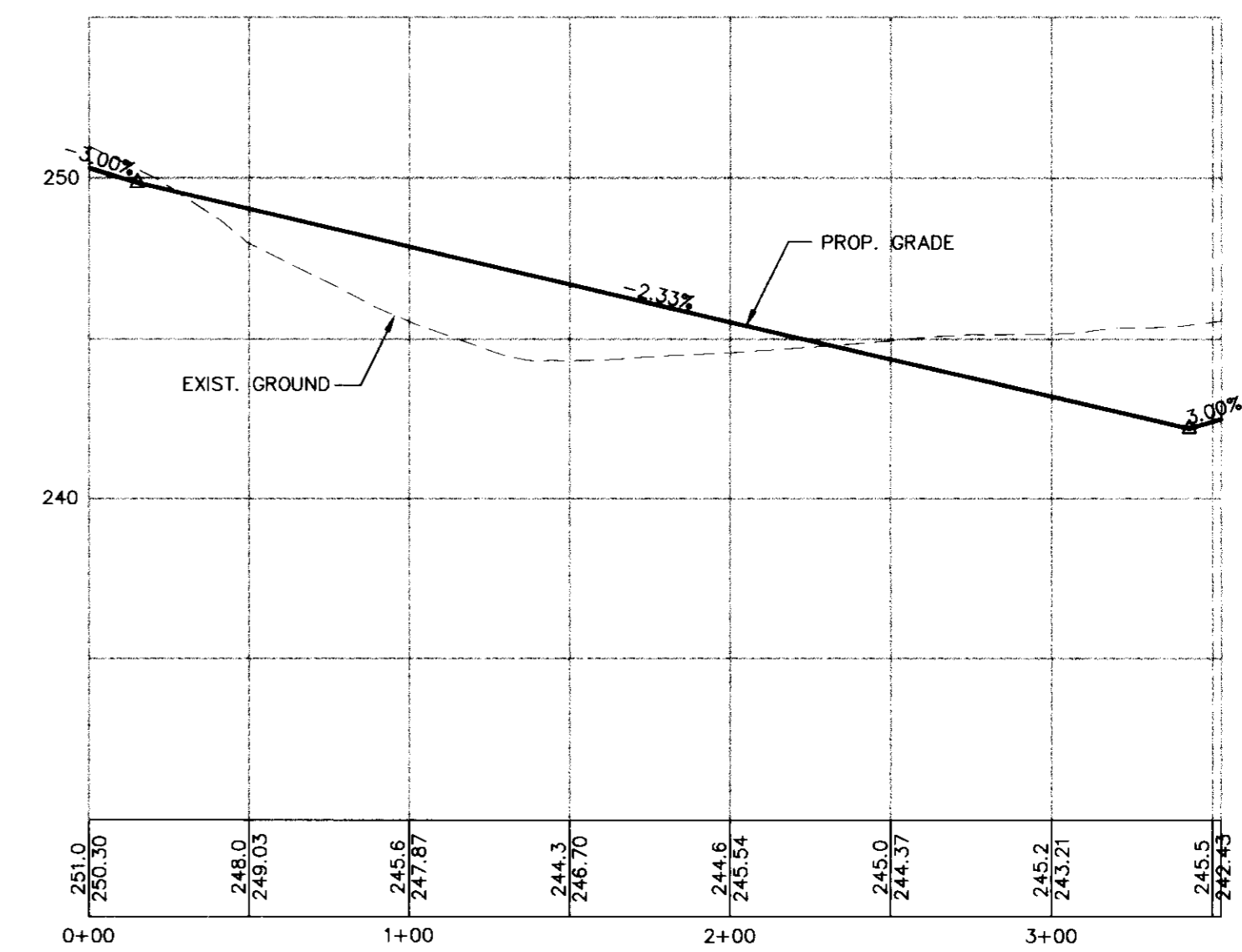
**ROAD "6" PROFILE**

SCALE: HOR. 1"=50'  
 VER. 1"=5'



**ROAD "8B" PROFILE**

SCALE: HOR. 1"=50'  
 VER. 1"=5'



**ROAD "8A" PROFILE**

SCALE: HOR. 1"=50'  
 VER. 1"=5'

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/19/96  
 SIGNATURE OF DEVELOPER DATE  
**R. WAYNE NEWSOME**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/16/96  
 SIGNATURE OF ENGINEER DATE  
**R. JAMES MAT**  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING

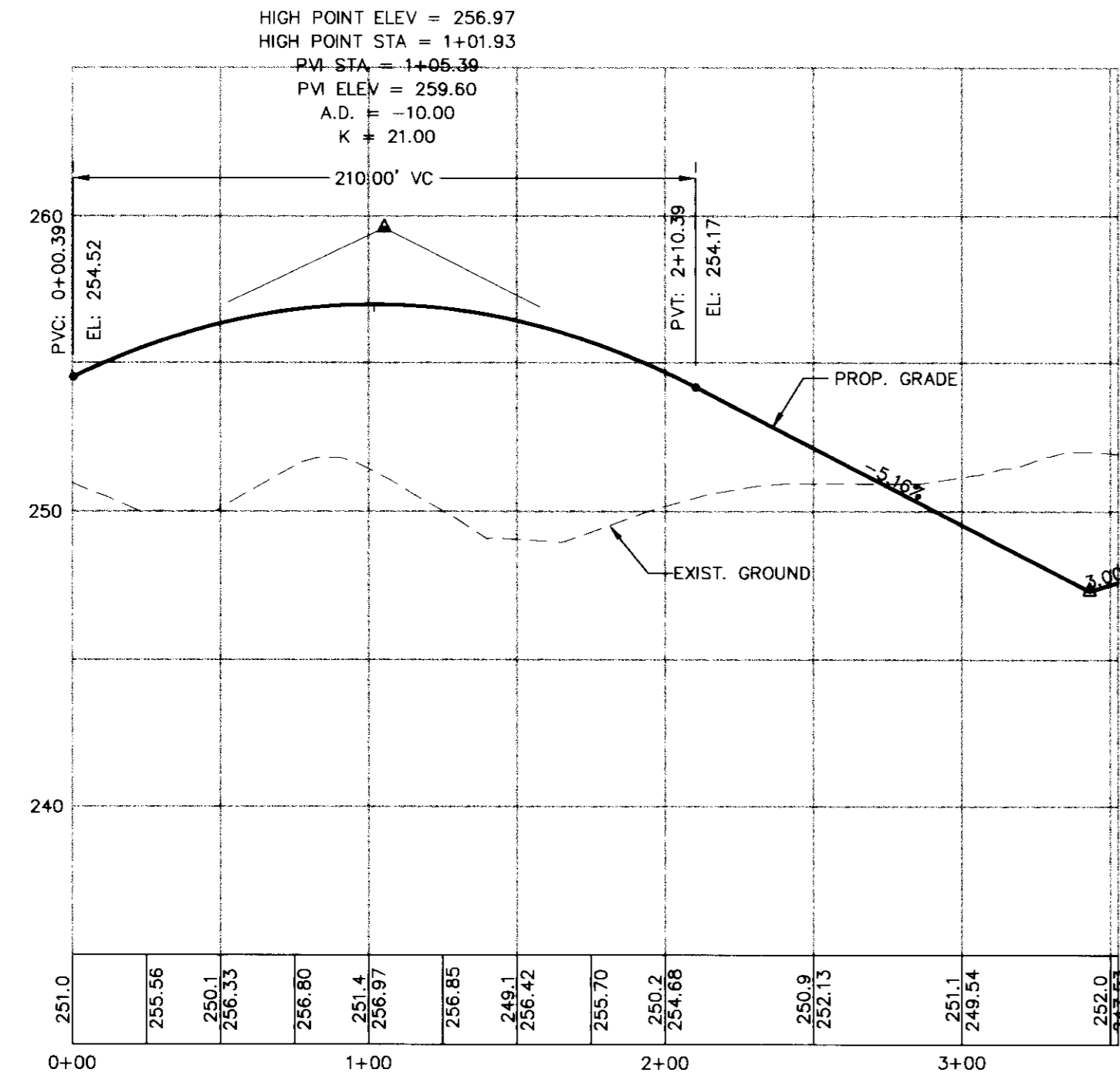
*[Signature]* 3/6/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 3/2/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*[Signature]* 3/14/96  
 DIRECTOR DATE

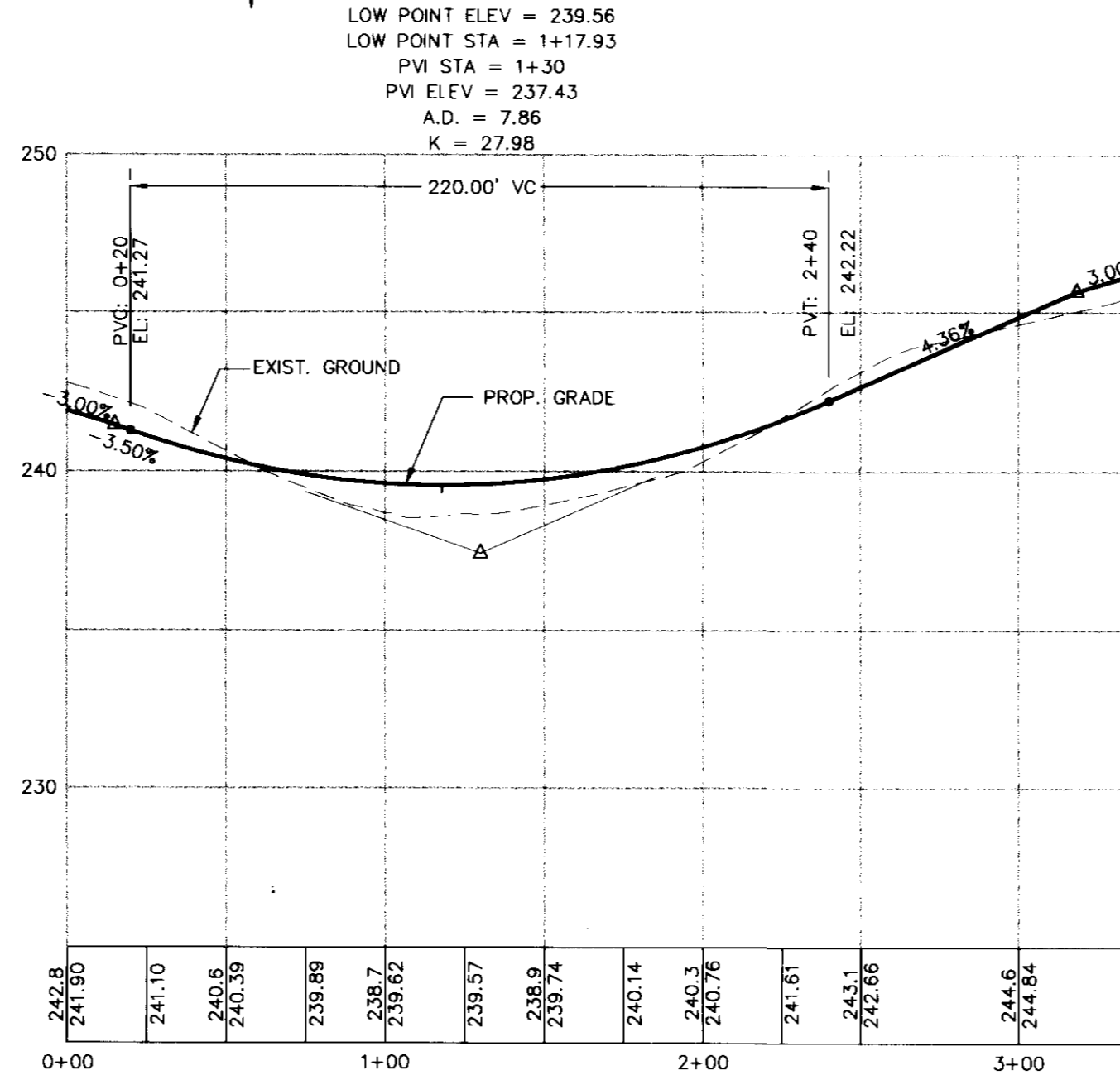
**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

**OWNER/DEVELOPER**  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030



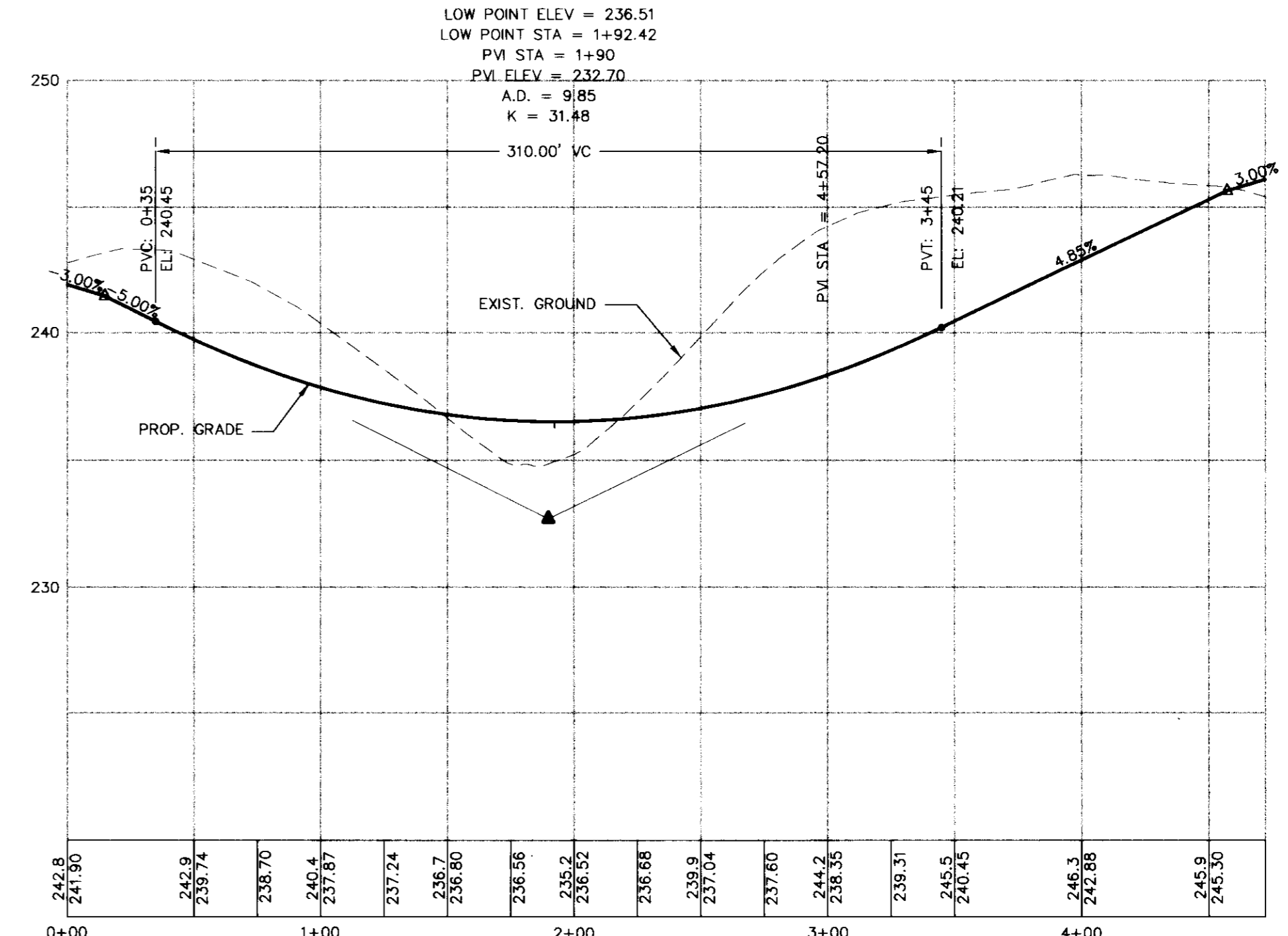
**ROAD "7" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



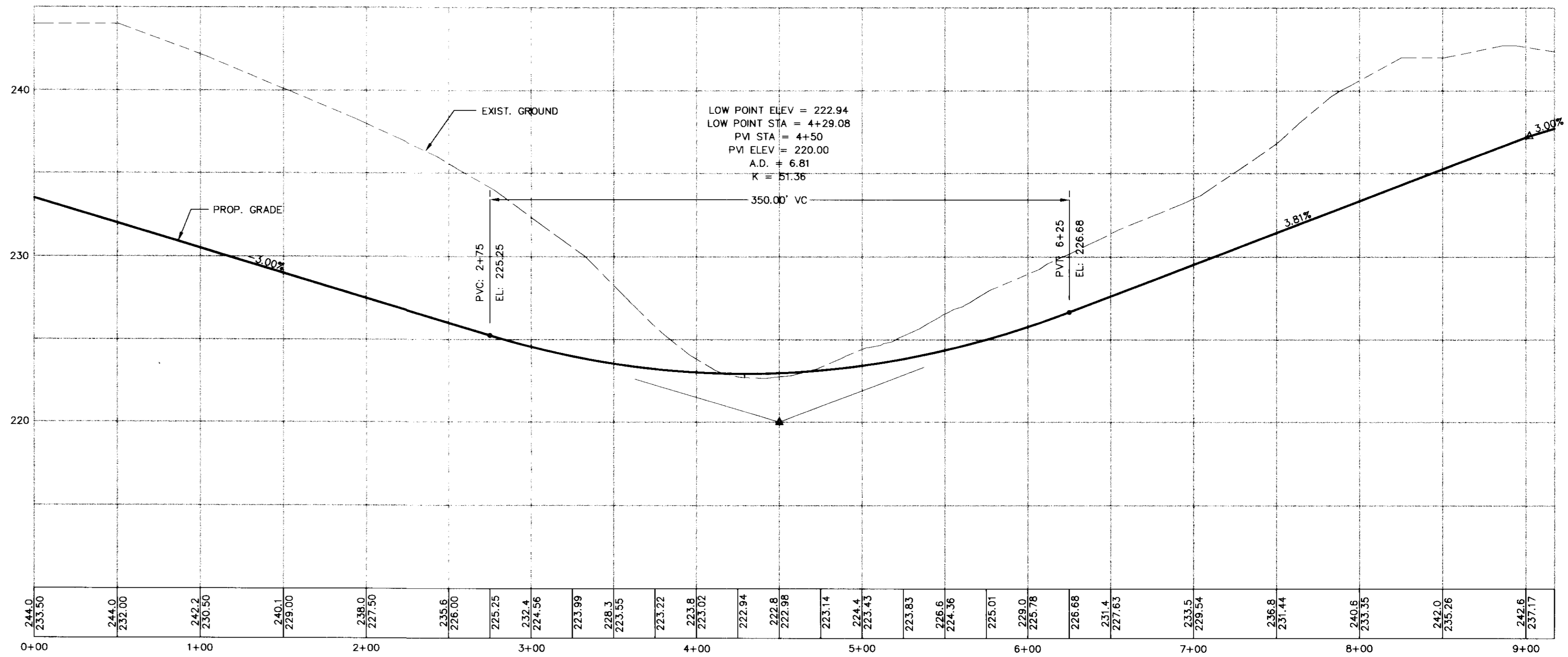
**ROAD "9A" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



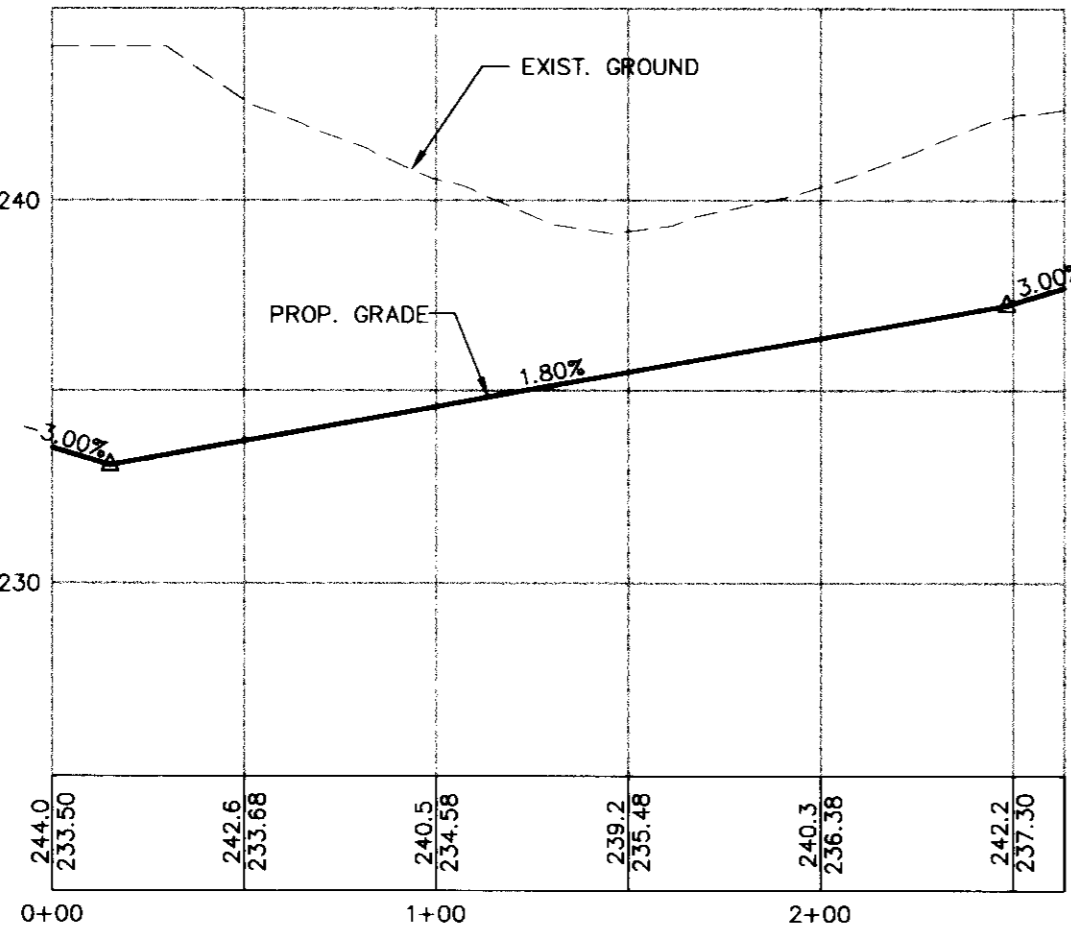
**ROAD "9A" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



**ROAD "10B" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'



**ROAD "10A" PROFILE**

SCALE: HOR. 1"=50'  
VER. 1"=5'

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

**OWNER/DEVELOPER**  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/18/96  
SIGNATURE OF DEVELOPER DATE  
R. WAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

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 NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
SIGNATURE OF ENGINEER DATE  
R. WILKMAT  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

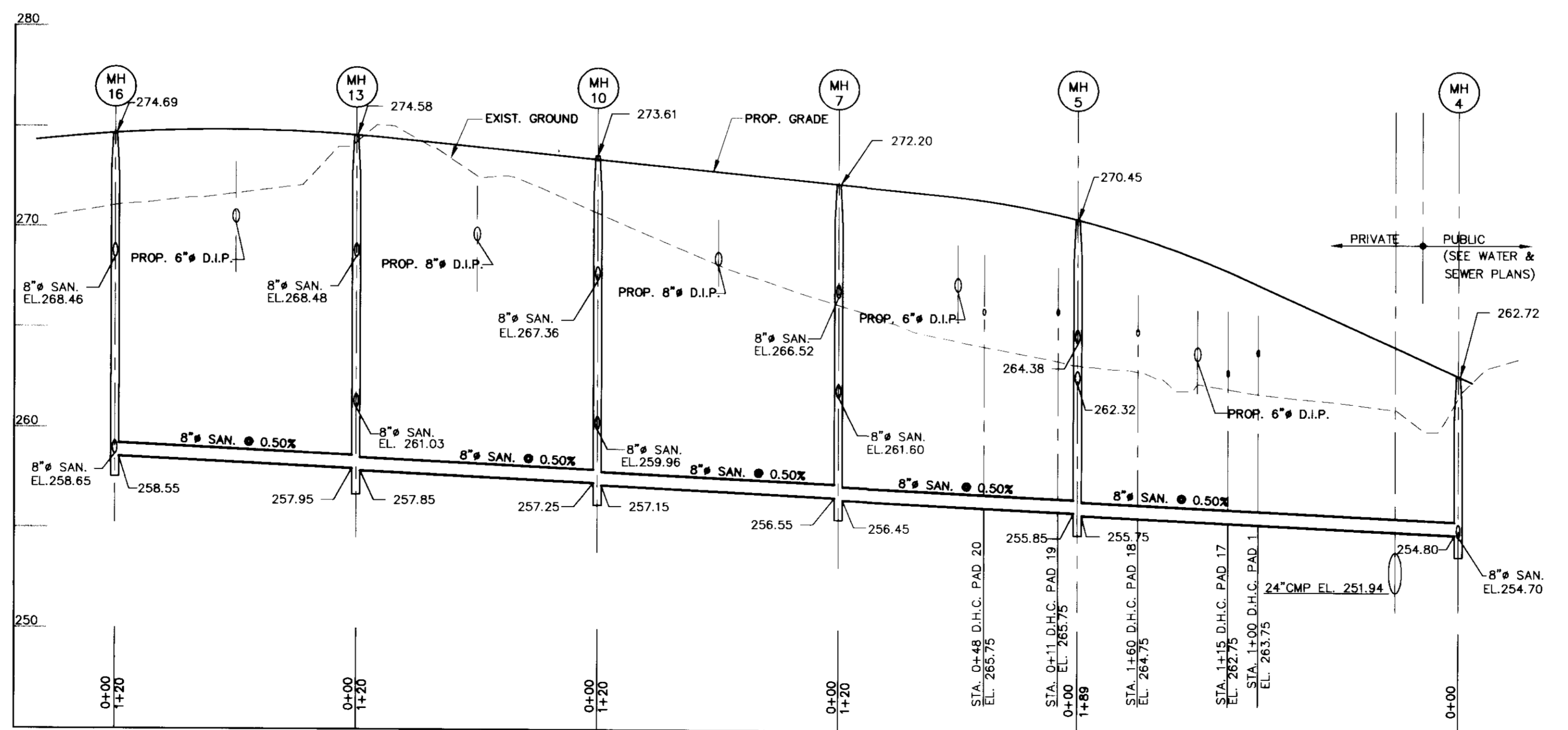
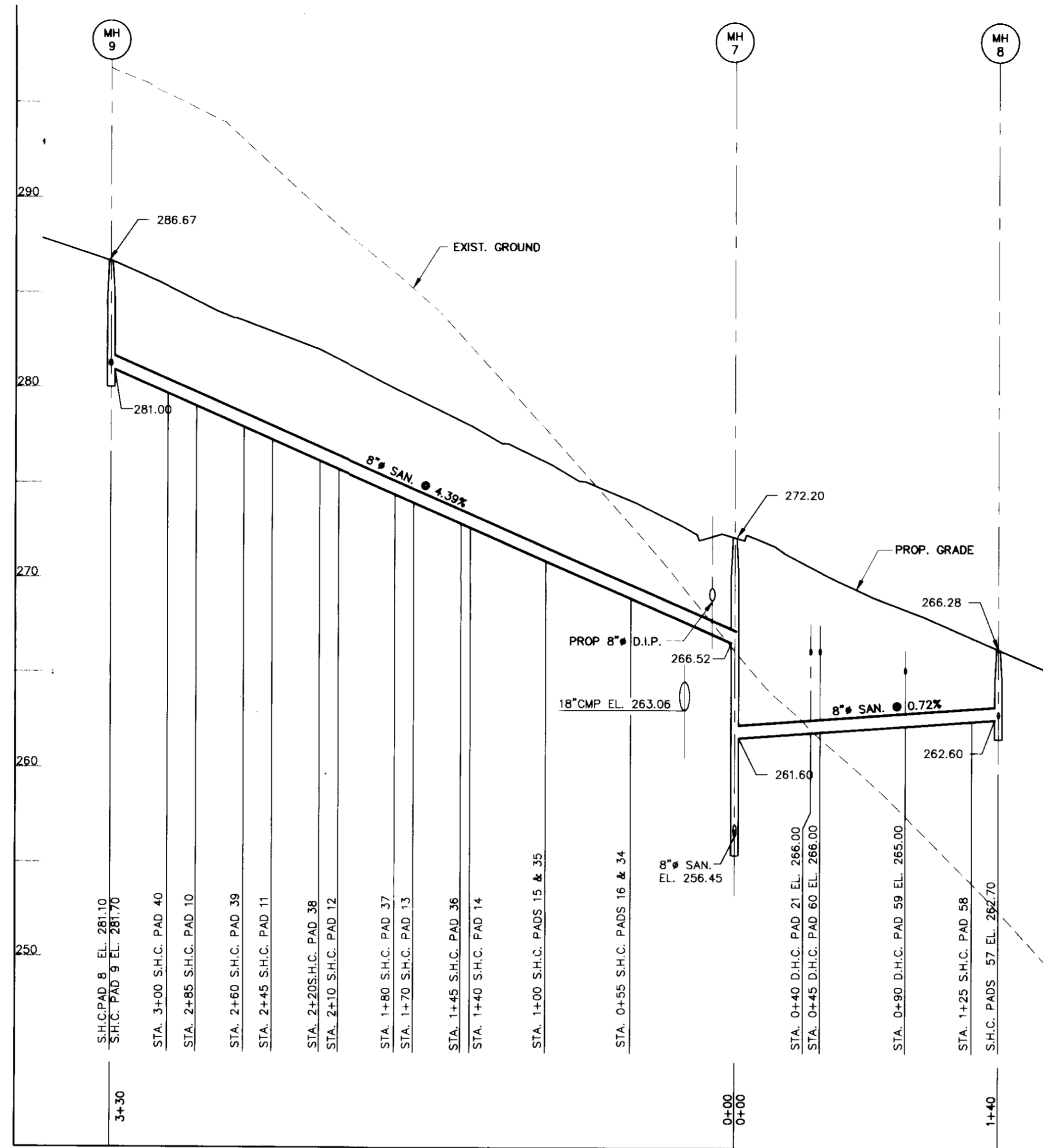
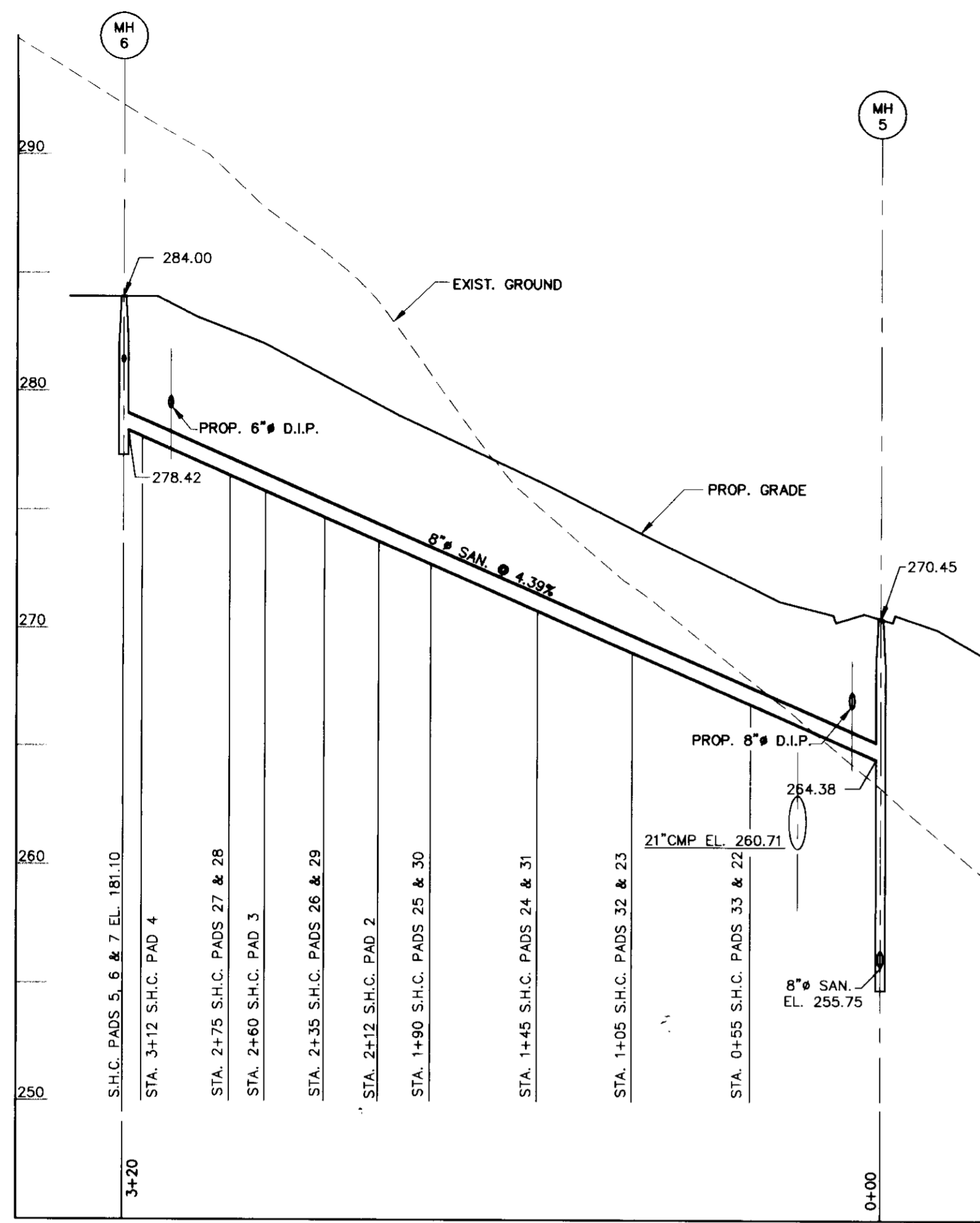
*[Signature]* 2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE  
Patricia Engle/JMK

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION END SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE  
Robert W. Zim/JMK

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
DIRECTOR DATE



THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

**DEVELOPERS CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/15/96  
 PRINTED NAME OF DEVELOPER: EMANUELE VERONESI

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/16/96  
 PRINTED NAME OF ENGINEER: [Name]

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *Patricia Engle* DATE: 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Robert W. Zink* DATE: 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE: *[Signature]* DATE: 3/14/96  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *Aime Swinney* DATE: 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96  
 DIRECTOR

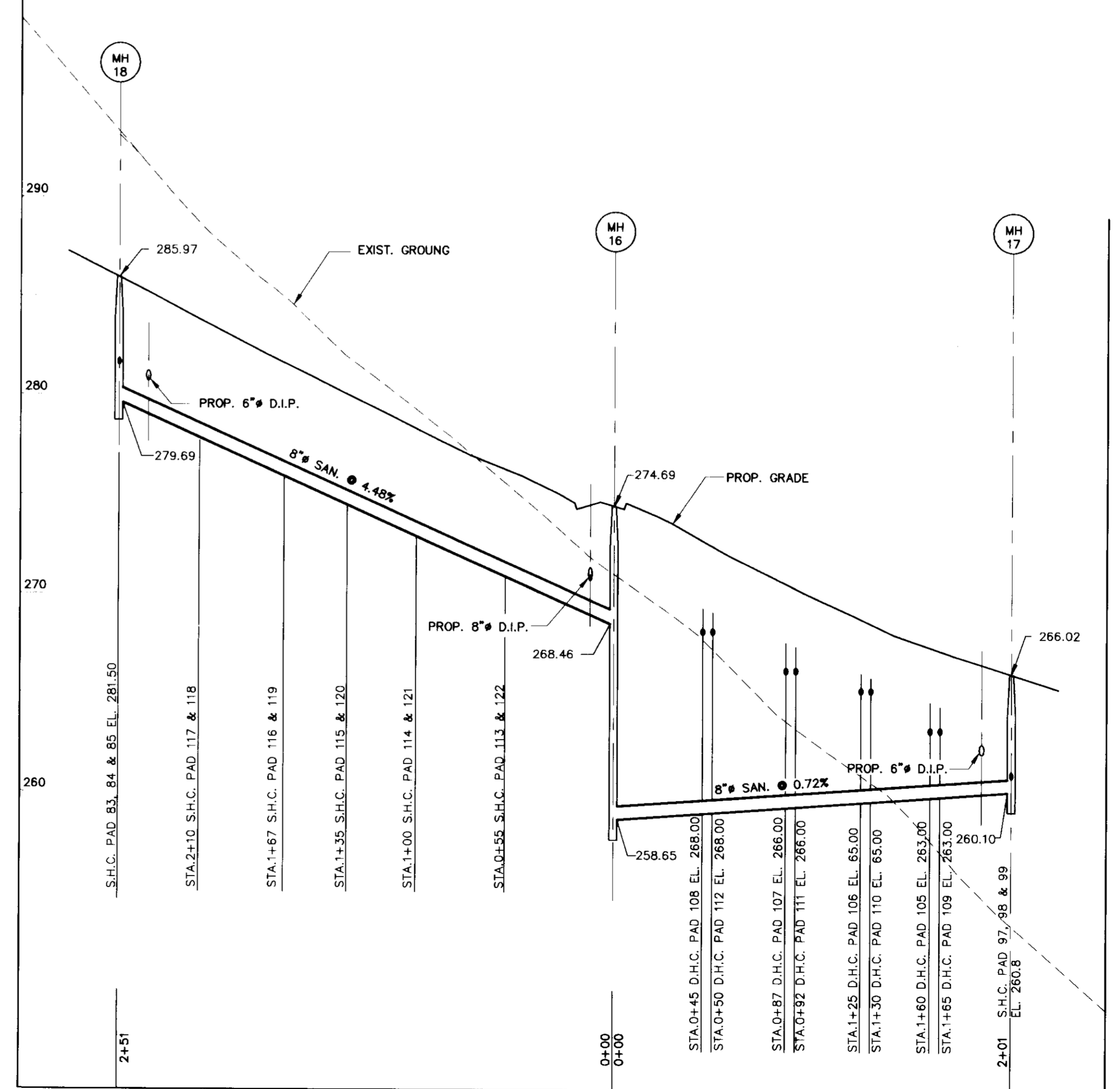
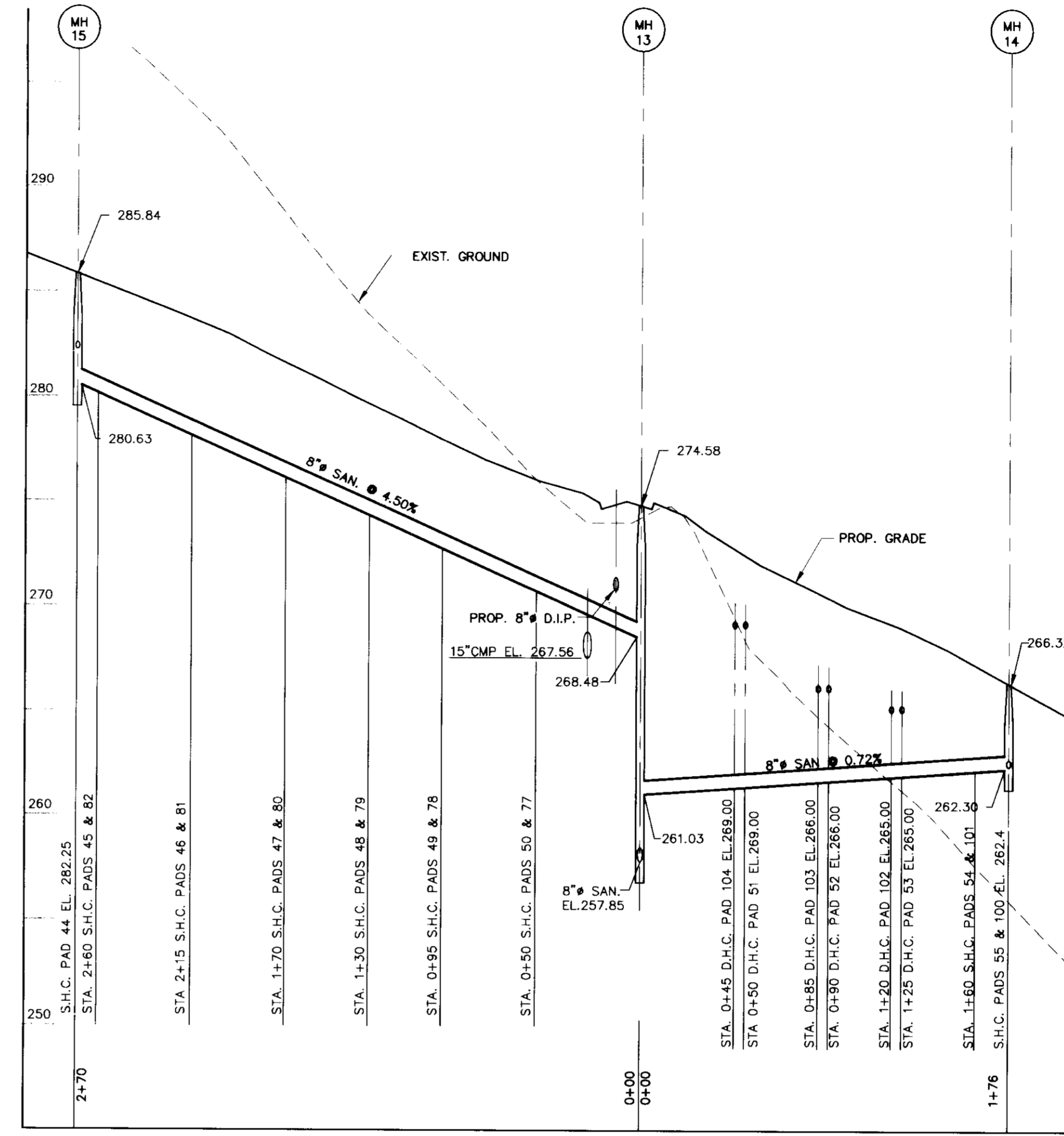
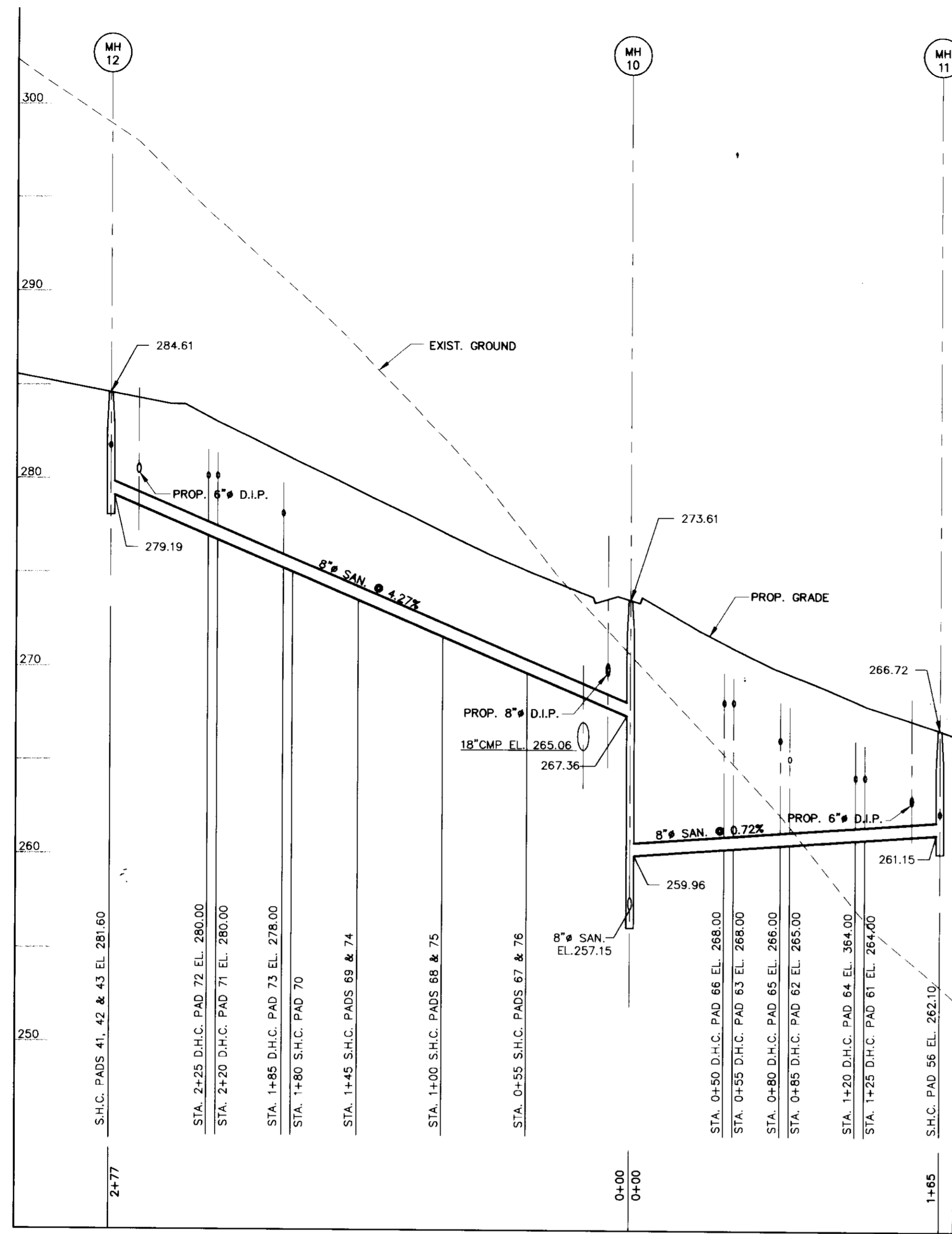


Project	94044	Date	JAN 86
Illustrator	M.P.	Engineering	
Scale	M.P.	Approval	
Rev	1-85	Approval	J.H.

Project	94044	Date	JAN 86
Illustrator	M.P.	Engineering	
Scale	M.P.	Approval	
Rev	1-85	Approval	J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
**SANITARY SEWER PROFILES**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive Suite 202 Ellicott City, Maryland 21042  
 (410) 997-0296 Balt. (301) 821-5521 Wash. (410) 997-0298 Pot.



**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/18/96  
 SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/12/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*[Signature]* 3/14/96  
 DIRECTOR DATE

*[Handwritten signature]*

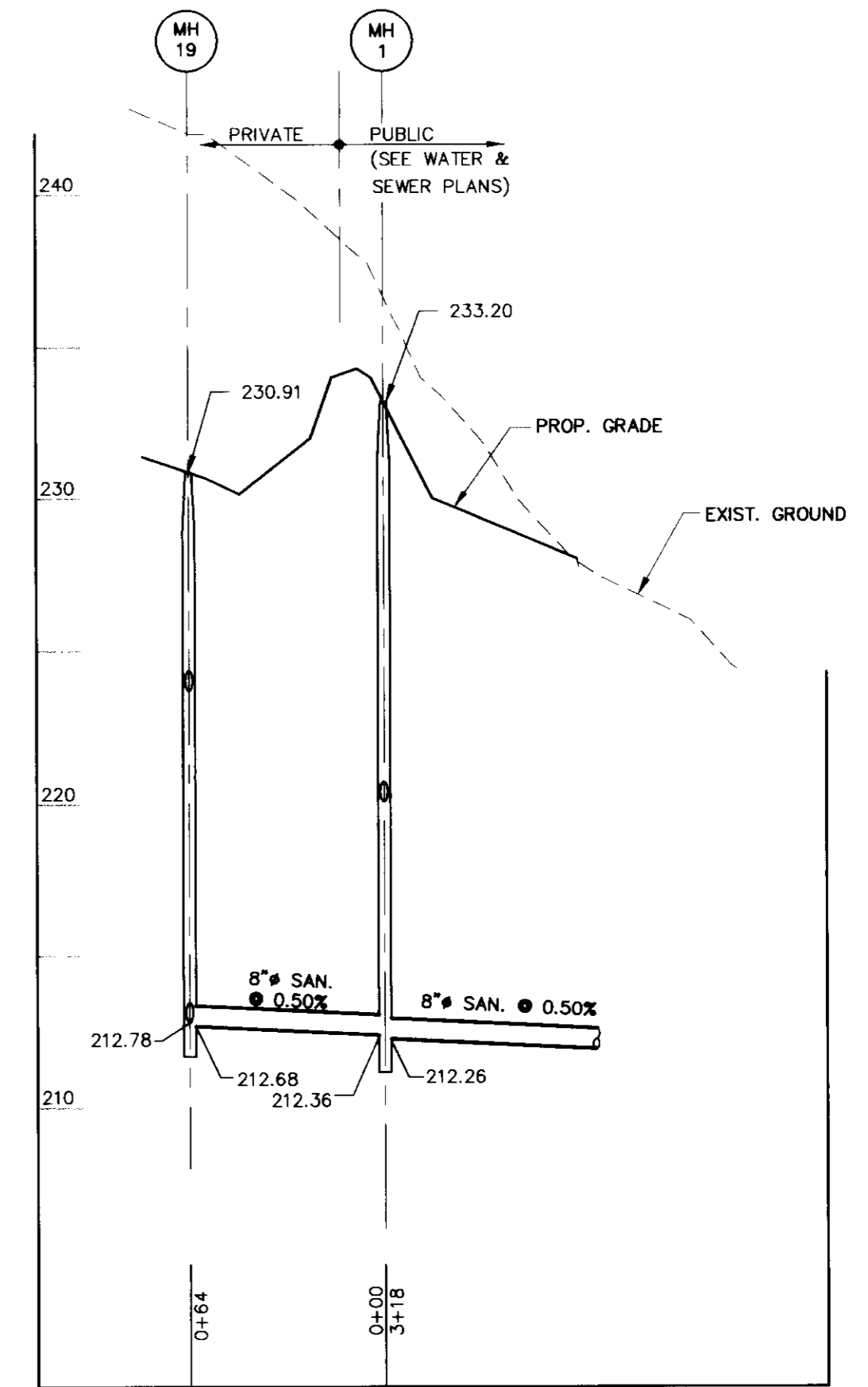
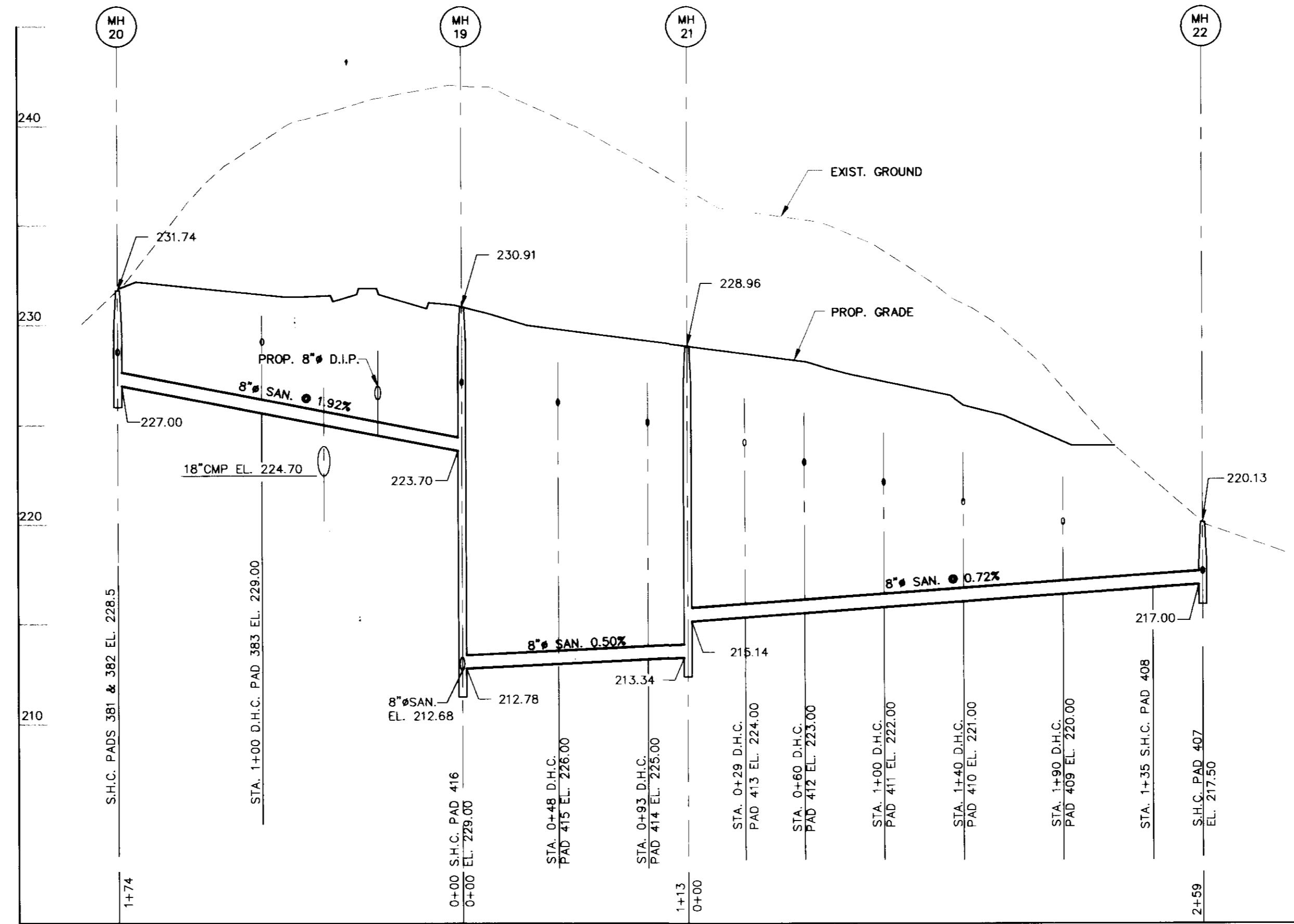
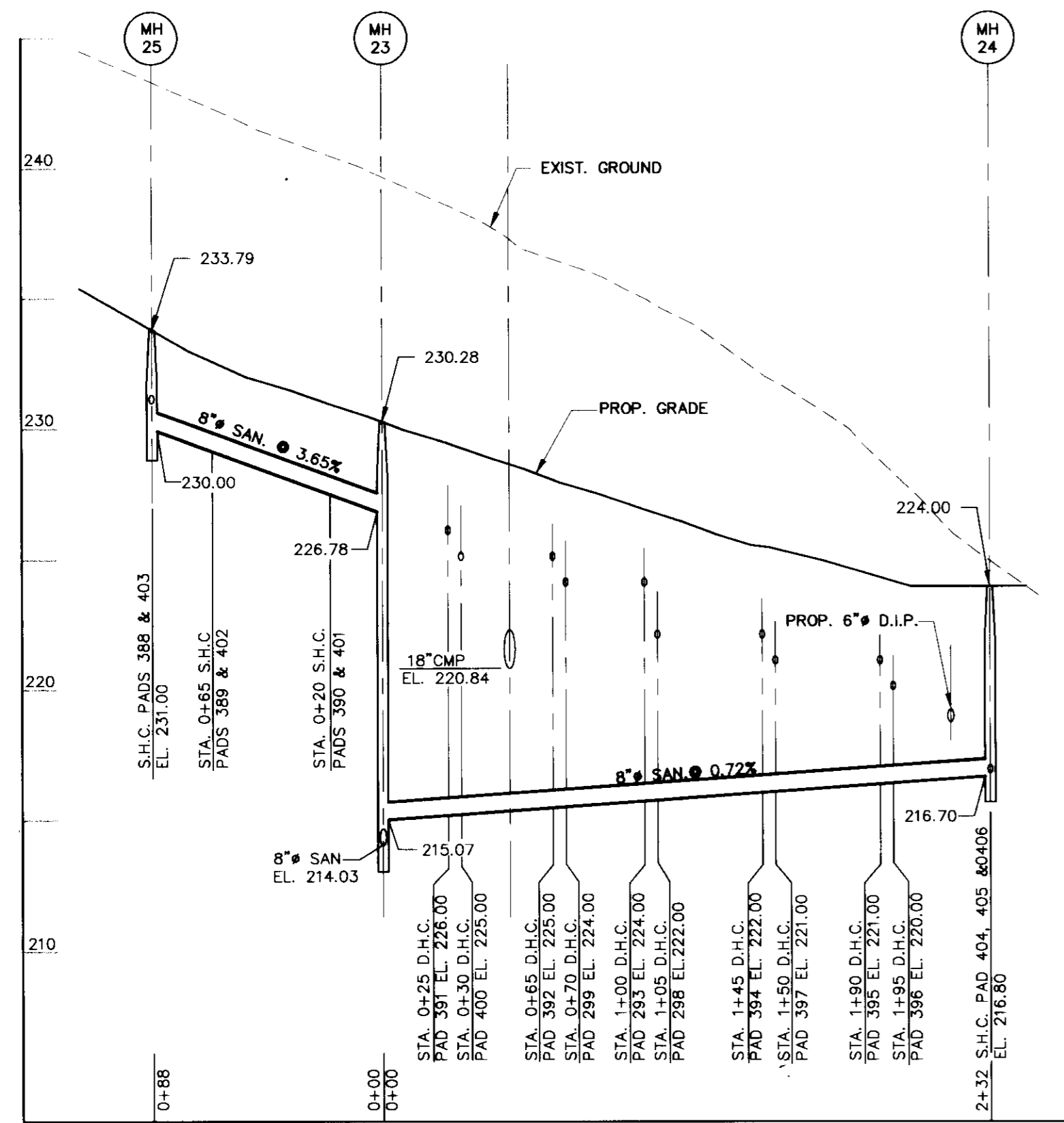
THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

PROJECT	94044
DATE	JAN 96
DISCIPLINE	ENGINEERING
SCALE	M.P.
SCALE	M.P.
HOR. 1"=50'	
VER. 1"=5'	
DESIGNED	J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
**SANITARY SEWER PROFILES**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286 Balt. (301) 621-5521 Wash. (410) 997-0288 Fax



THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/18/96  
 SIGNATURE OF DEVELOPER DATE  
**R. WAYNE NEWSOME**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**

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 NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE  
**R. [Name]**  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

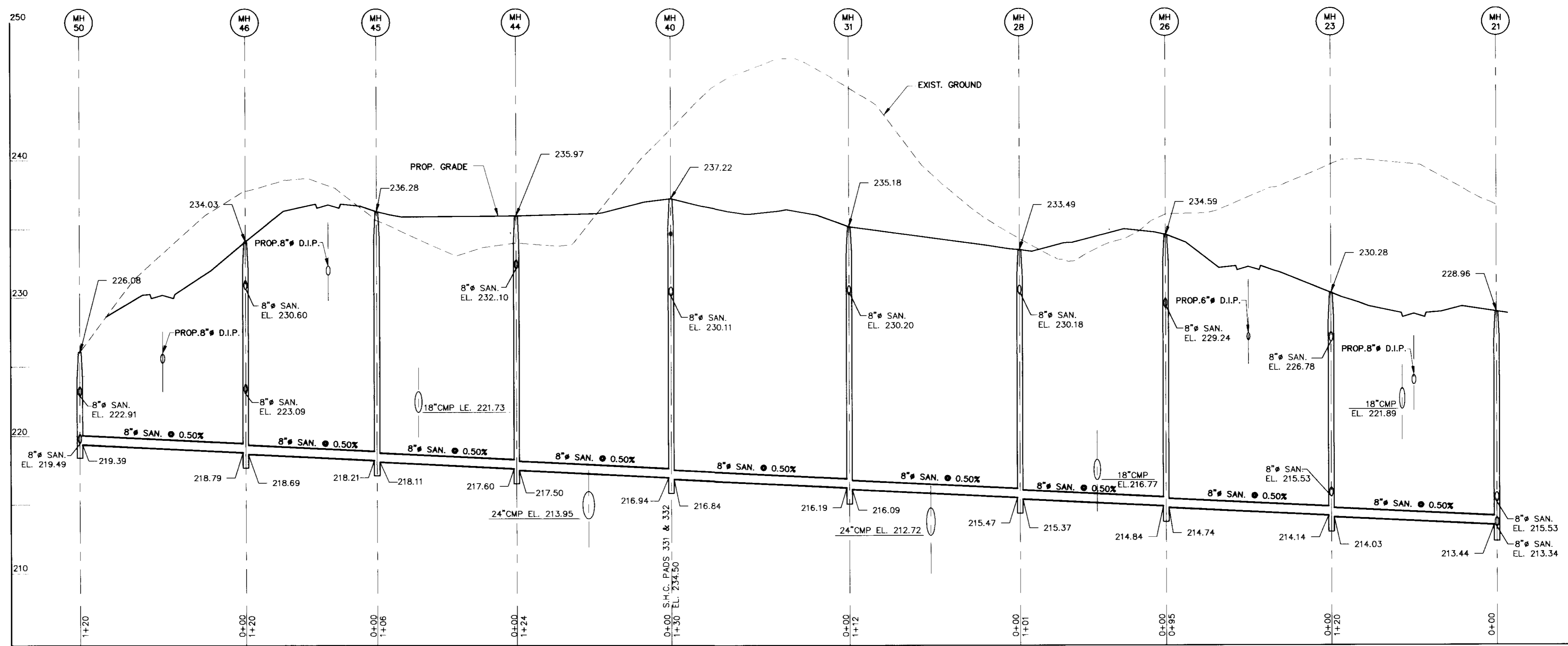
*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/8/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
 DIRECTOR DATE



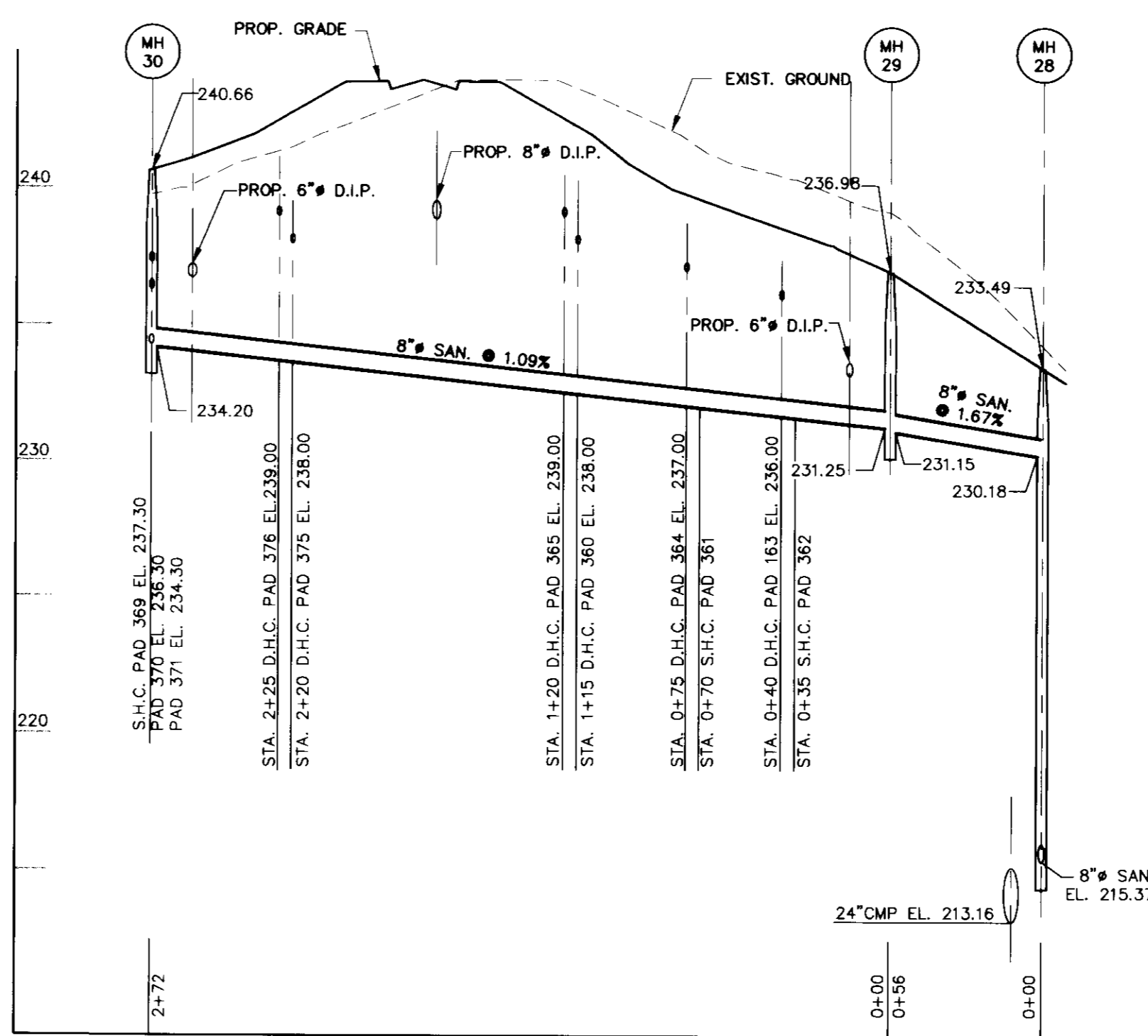
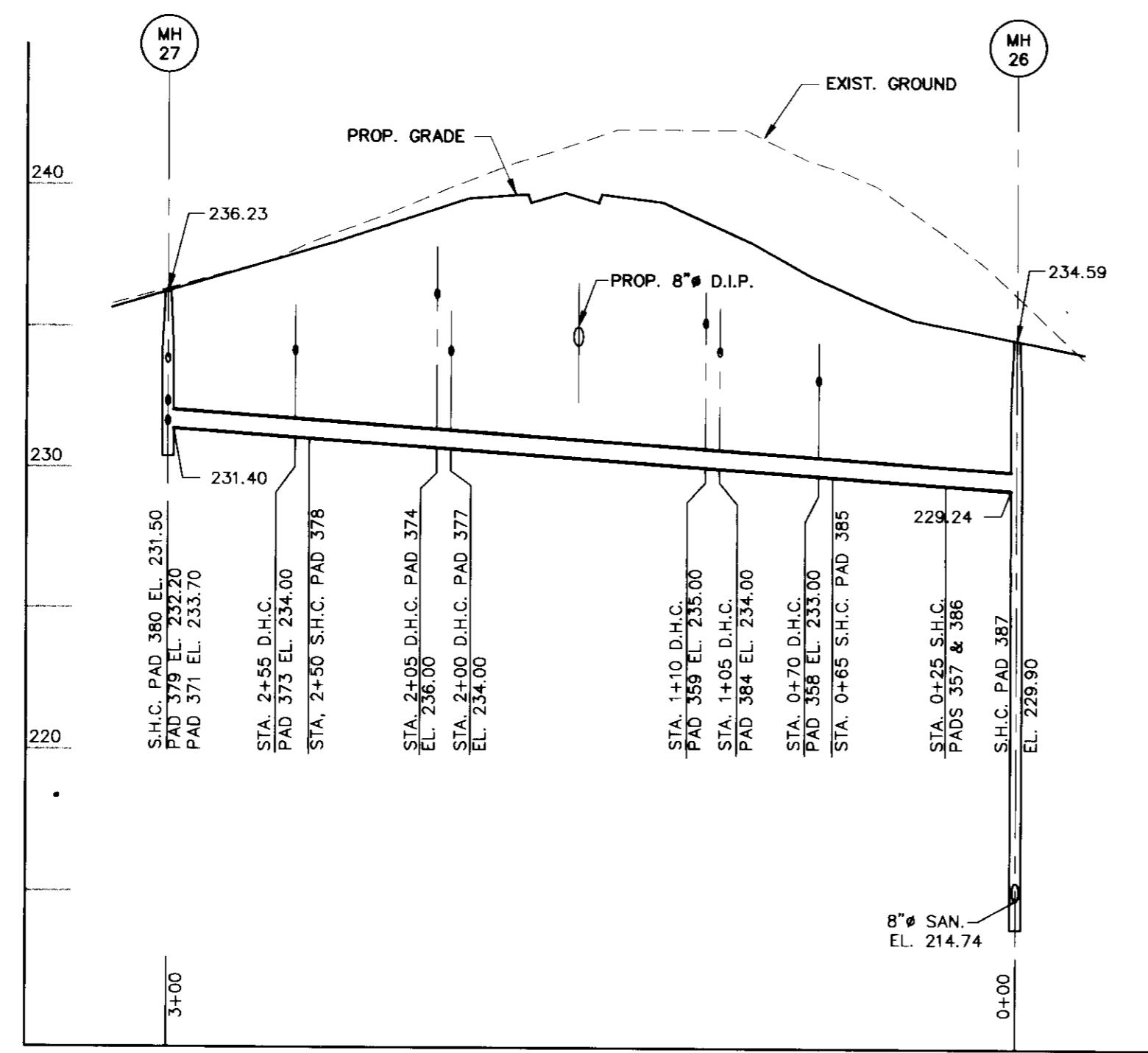
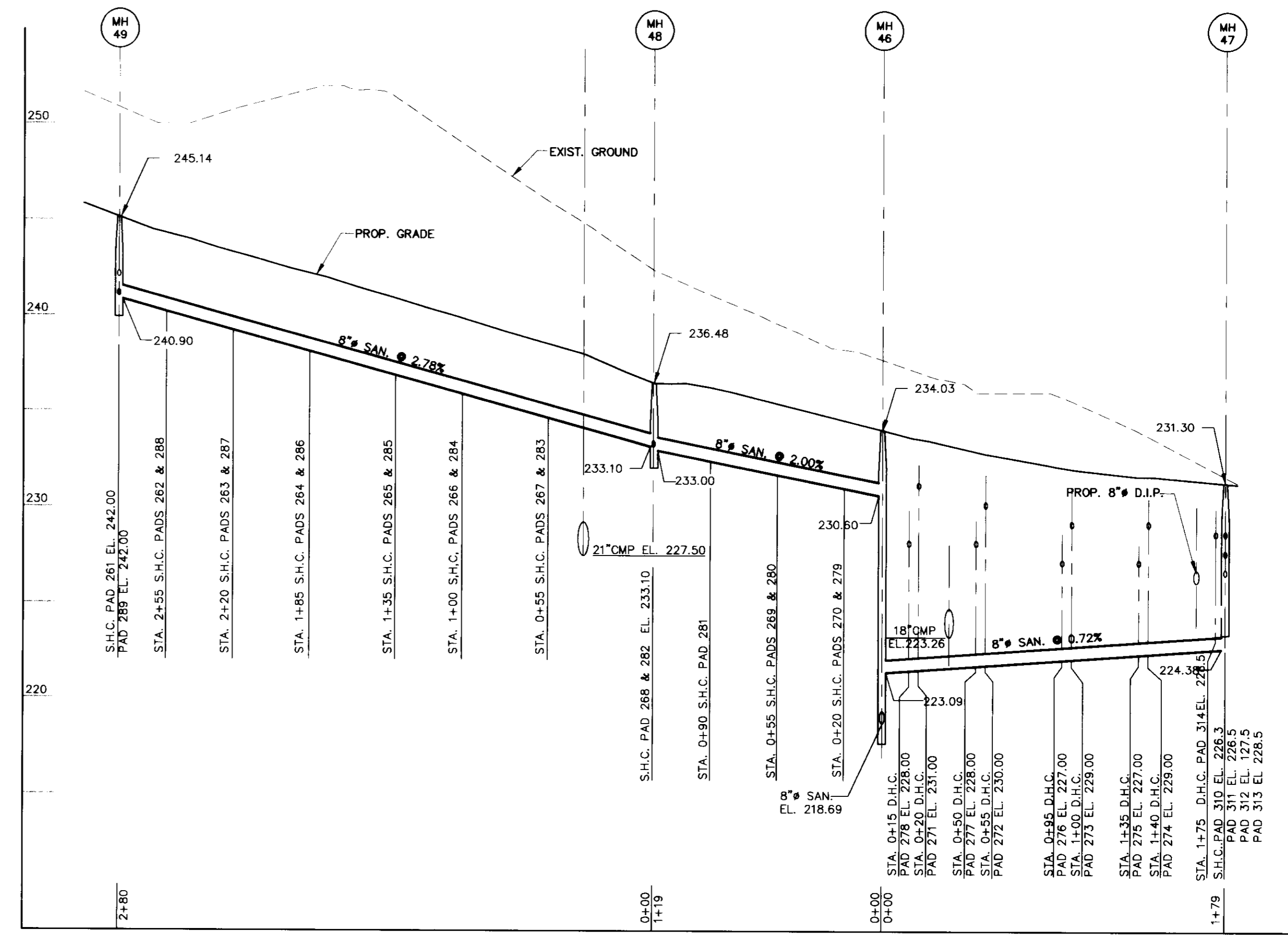
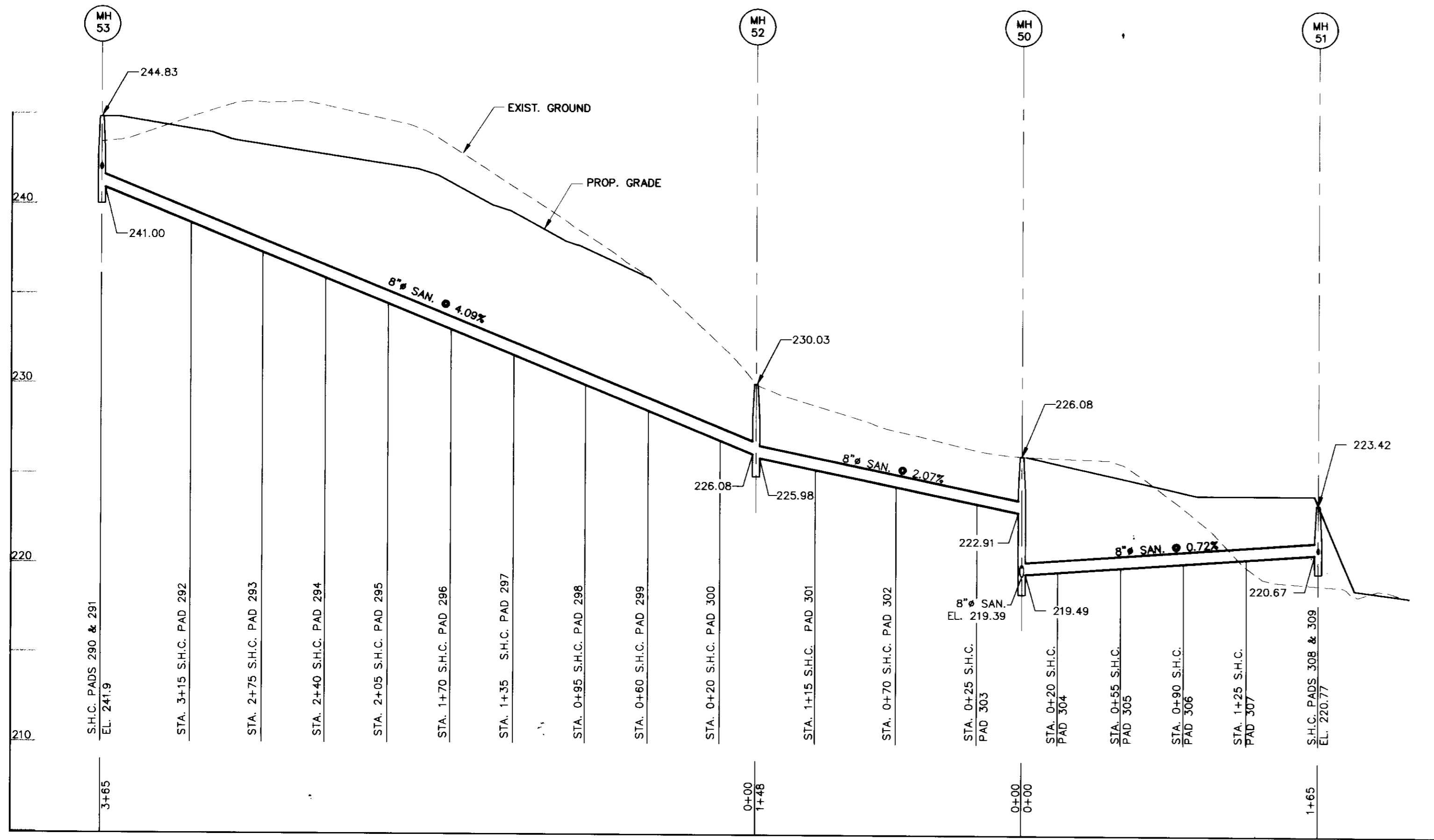
OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

Project	94044	Date	JAN 96
Illustrator	M.P.	Engineering	J.H.
M.P.	M.P.	VER: 11-95	
DESCRIPTION			

DATE	
DESCRIPTION	
REV: 11-95	

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
 SANITARY SEWER PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286 Fax. (301) 621-5521 Wash. (410) 997-0288 Fax.



THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/18/96  
 SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**  
 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 NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/10/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
 DIRECTOR DATE

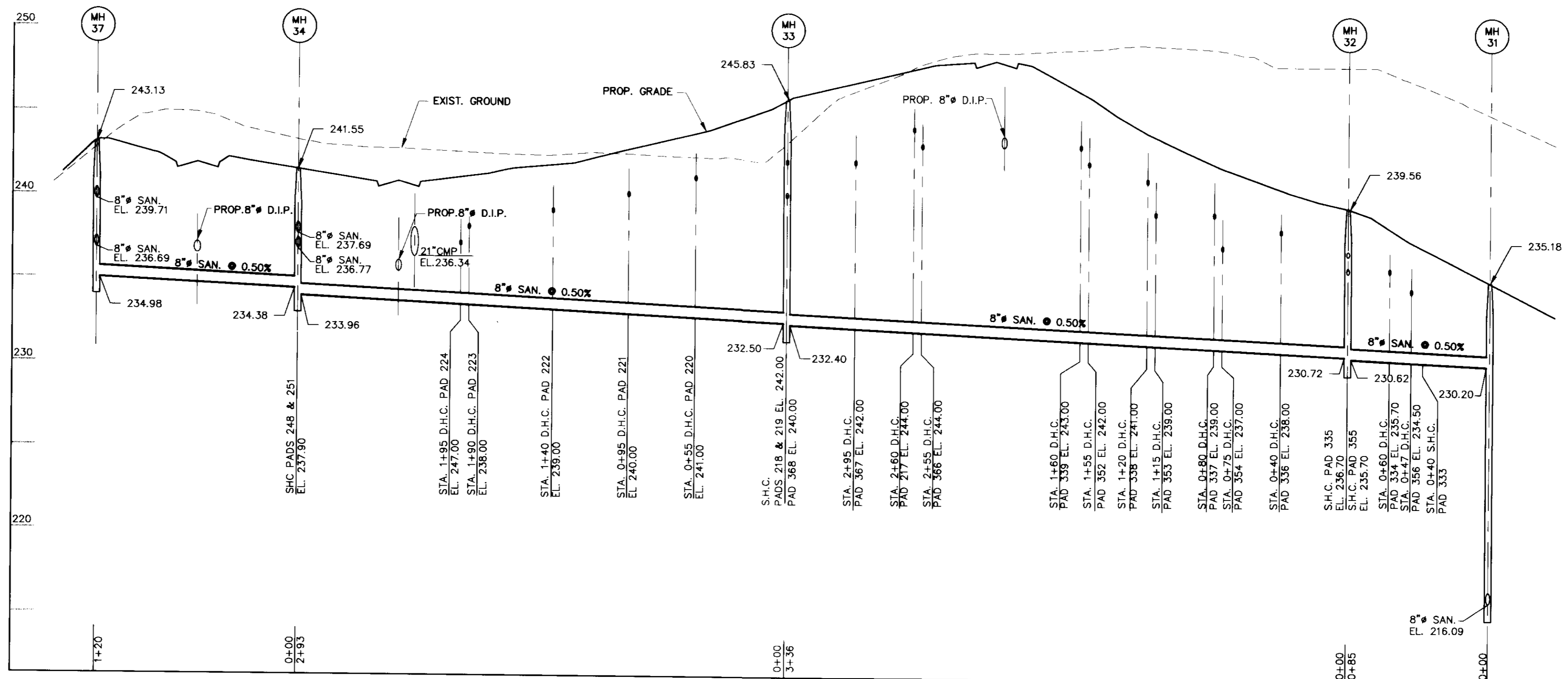
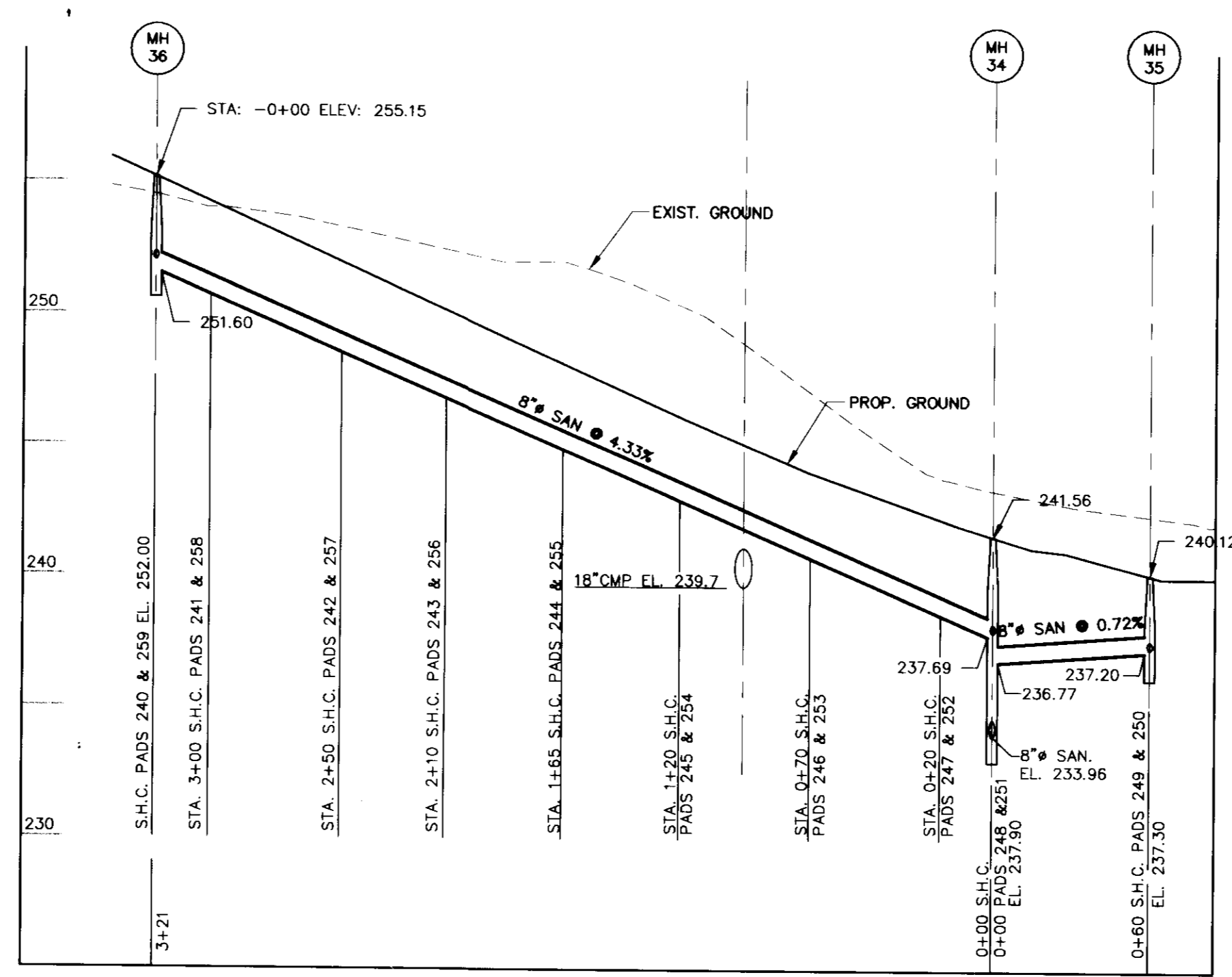
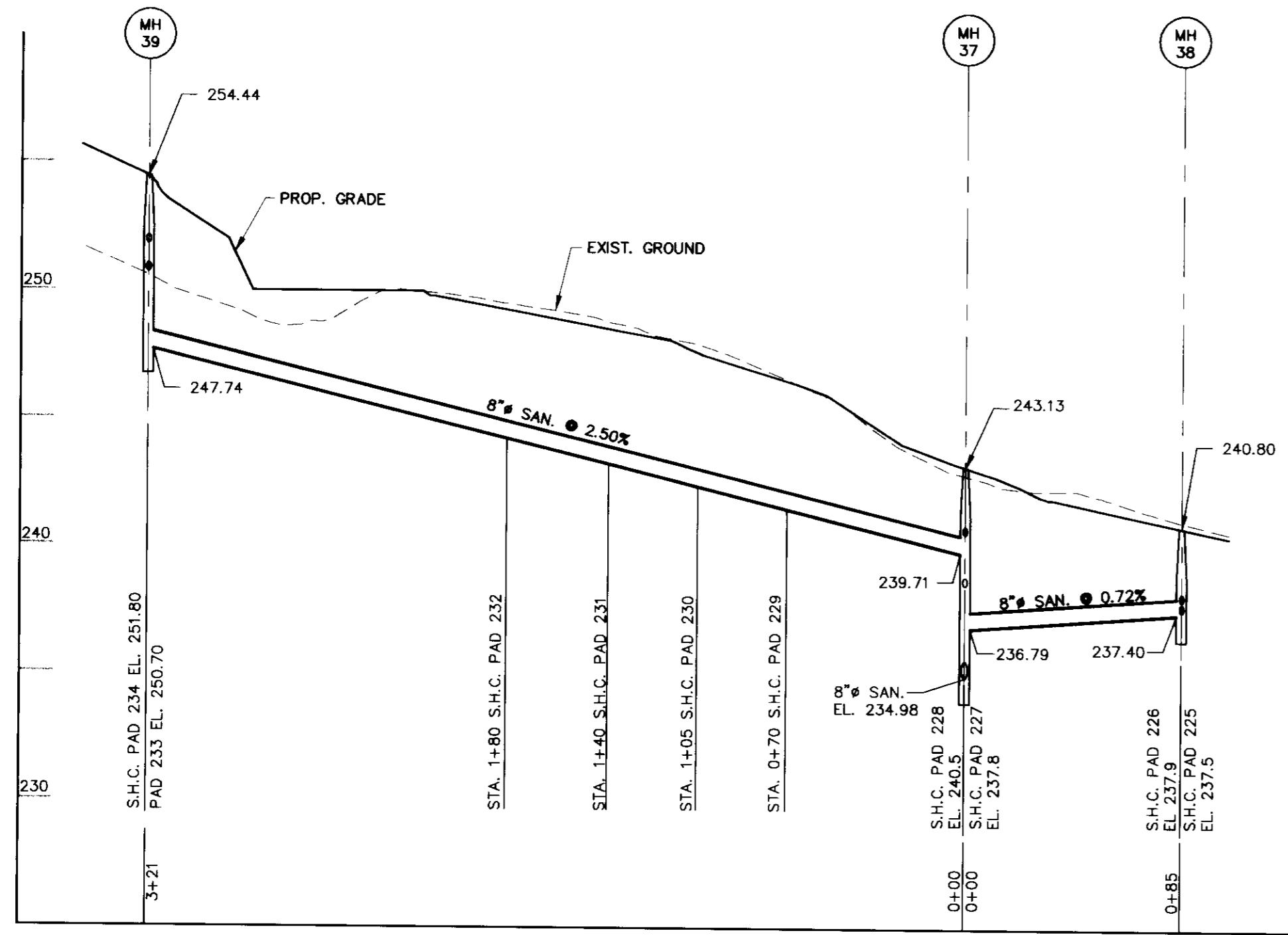
*[Handwritten signature]*

Project	94044	Date	JAN 96
Illustration	M.P.	Engineering	M.P.
Scale	HOR: 1"=50'	Approval	J.H.
Version	VER: 1-5		

No.	description	date

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
**SANITARY SEWER PROFILES**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286 Fax: (301) 821-5521 Wash. (410) 997-0298 Fax



THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RTE. 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Wayne Newsome* 1/19/96  
SIGNATURE OF DEVELOPER DATE  
R. WAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Wayne Newsome* 1/18/96  
SIGNATURE OF ENGINEER DATE  
R. WAYNE NEWSOME  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engle* 2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Zilmer* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE

KS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John Dammann* 3/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Aimee Surinomy* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*James S. Smith* 3/14/96  
DIRECTOR DATE



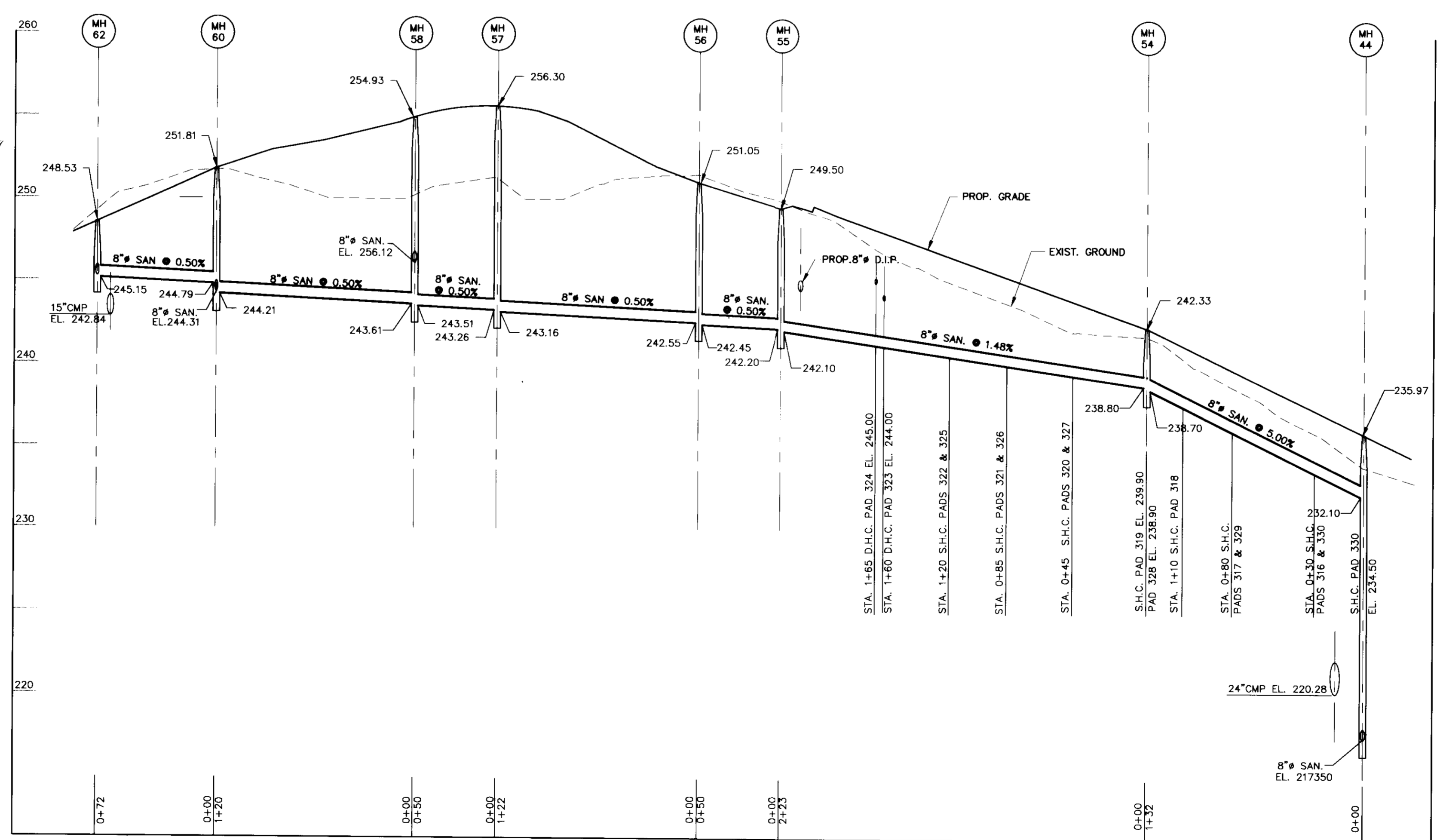
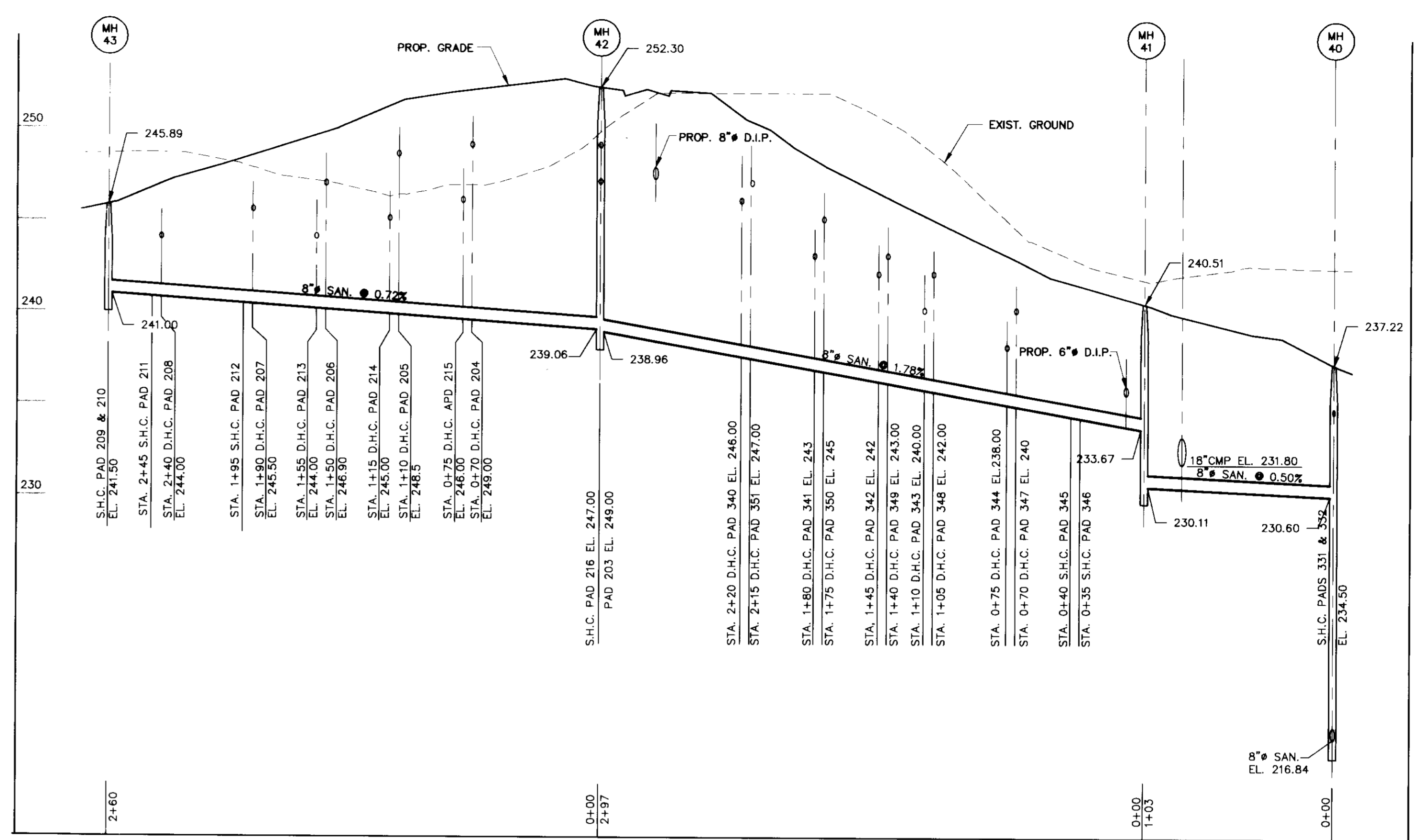
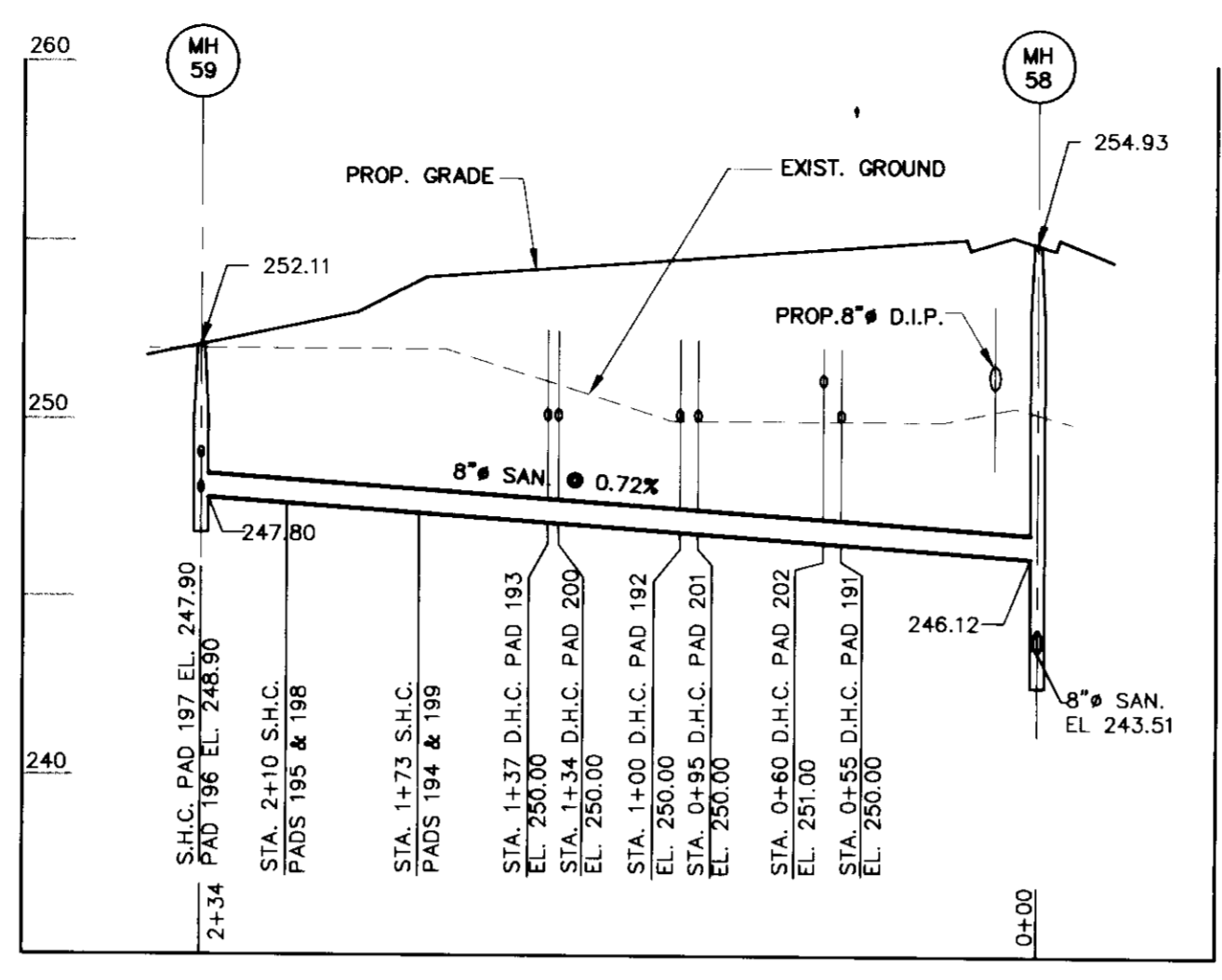
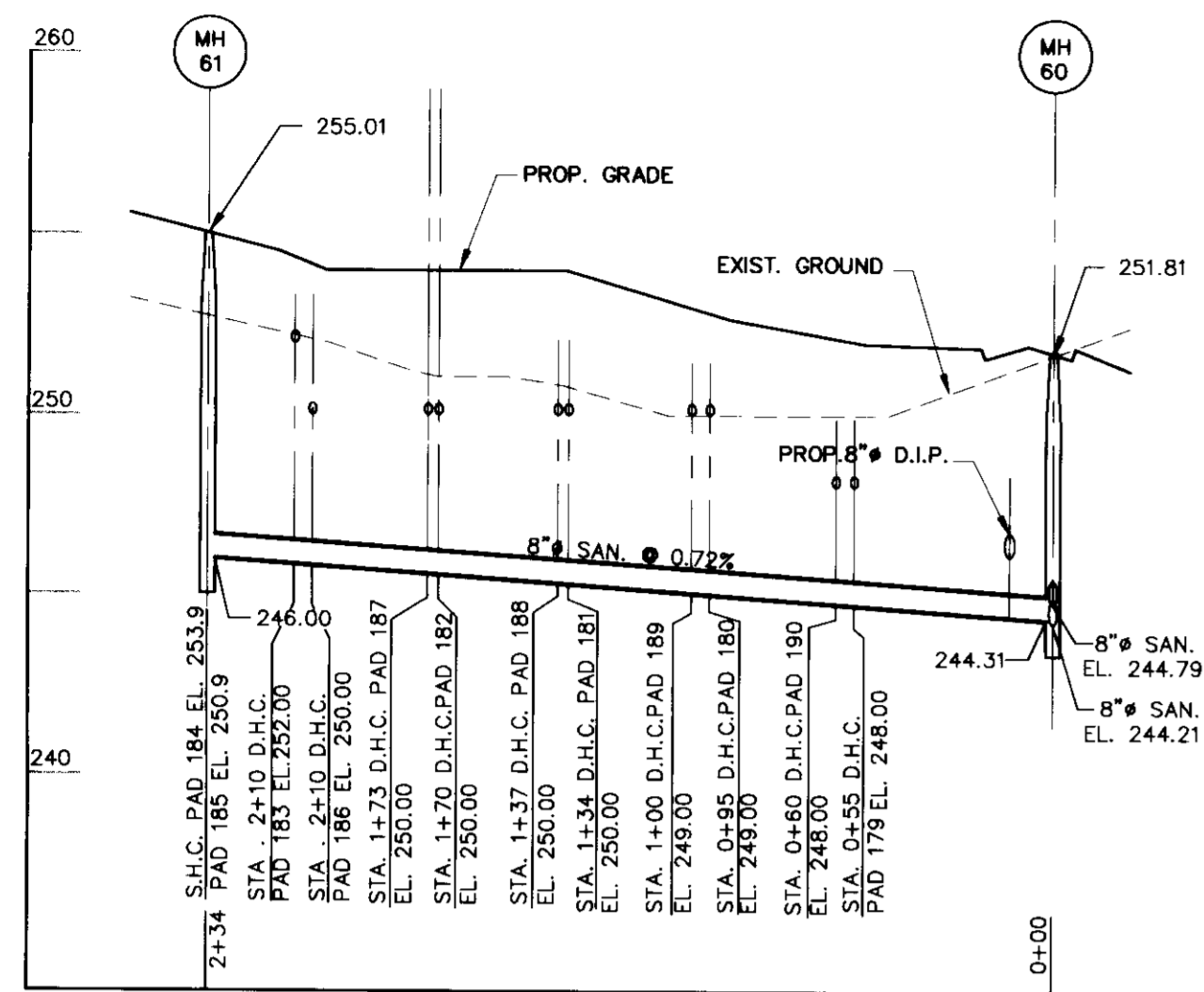
project	date
94044	JAN 96
illustration	engineering
M.P.	M.P.
scale	horizontal: 1"=50'
vertical: 1"=5'	approval
	J.H.

description	date

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
SANITARY SEWER PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax (301) 621-5527 Wash. (410) 997-0298 Fax





THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.  
 Signature: *[Signature]* DATE: 1/18/96  
 PRINTED NAME OF DEVELOPER: F. HAYNE NEWSOME

**ENGINEER'S CERTIFICATE**  
 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 NATURAL RESOURCE CONSERVATION SERVICE.  
 Signature: *[Signature]* DATE: 1/10/96  
 PRINTED NAME OF ENGINEER: R. J. BOENDER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.  
 Signature: *[Signature]* DATE: 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: *[Signature]* DATE: 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATION

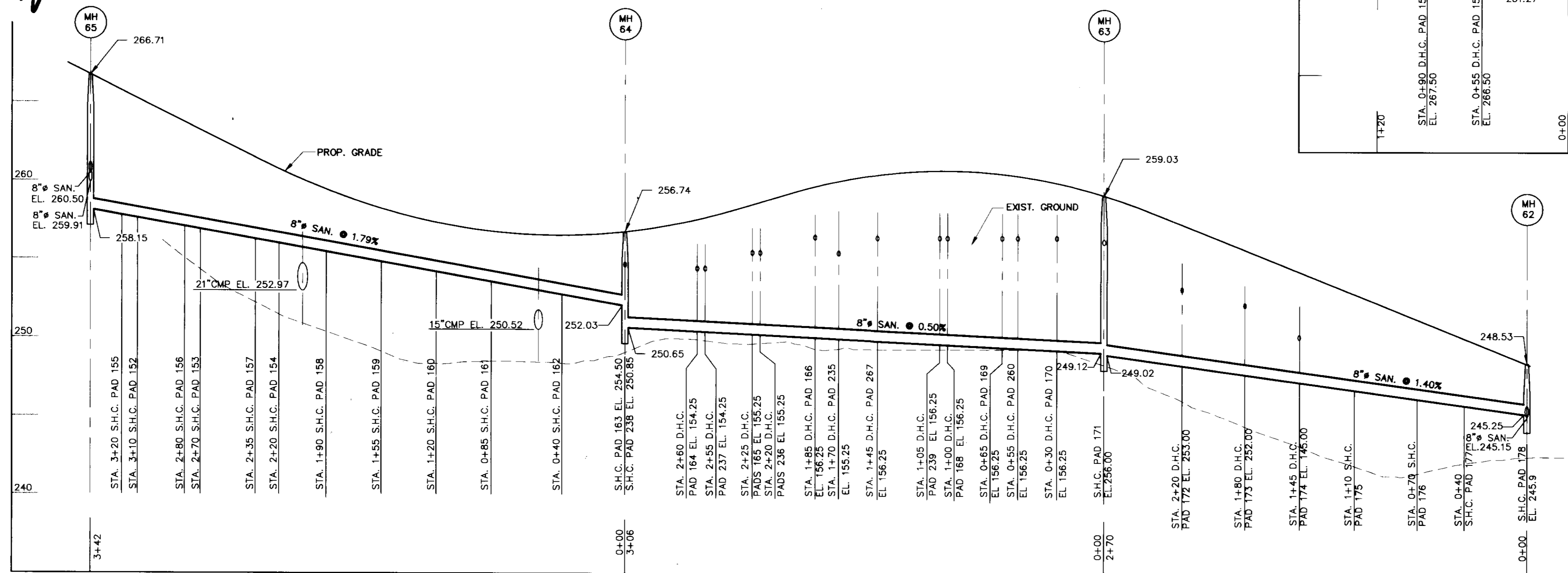
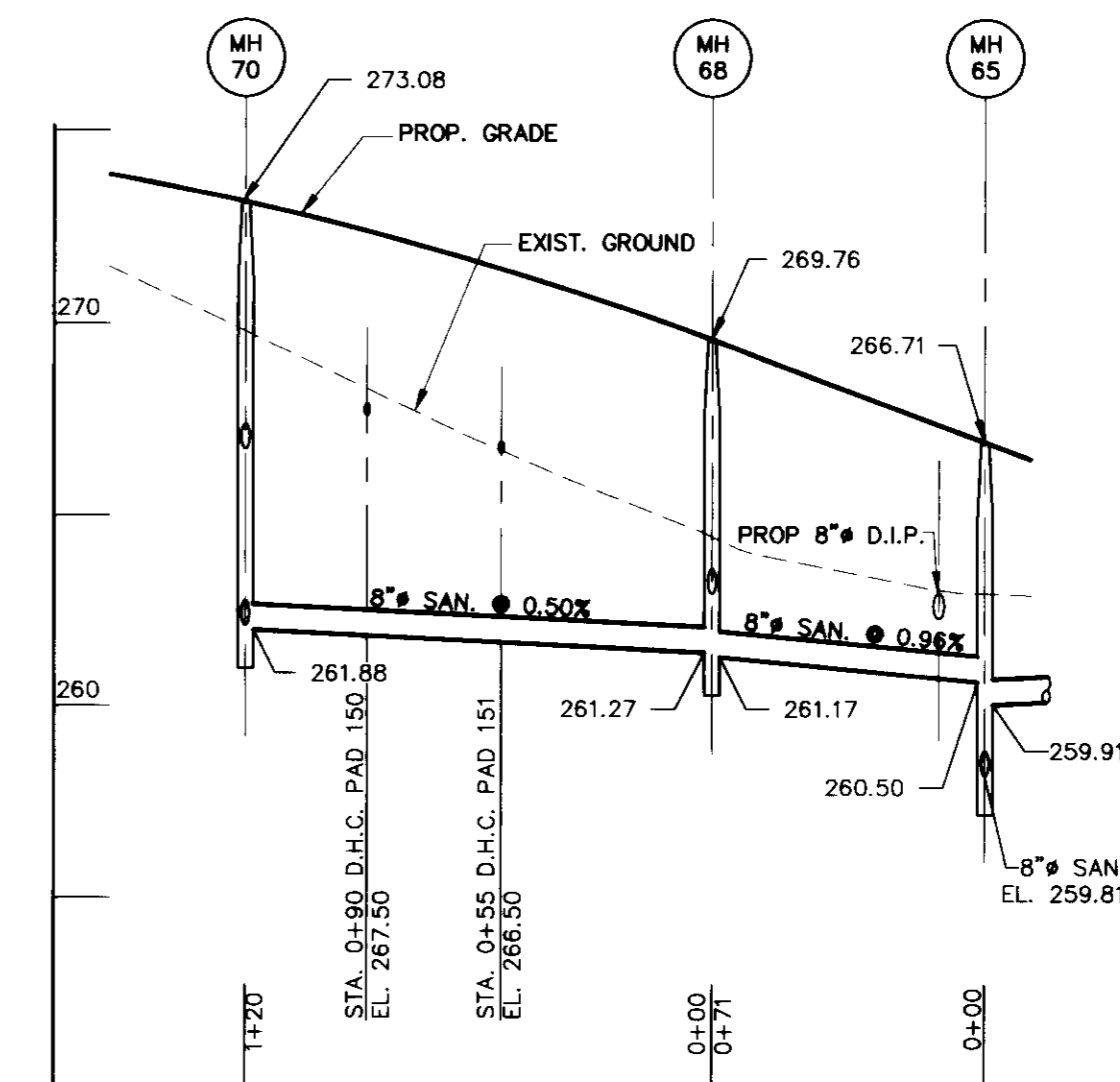
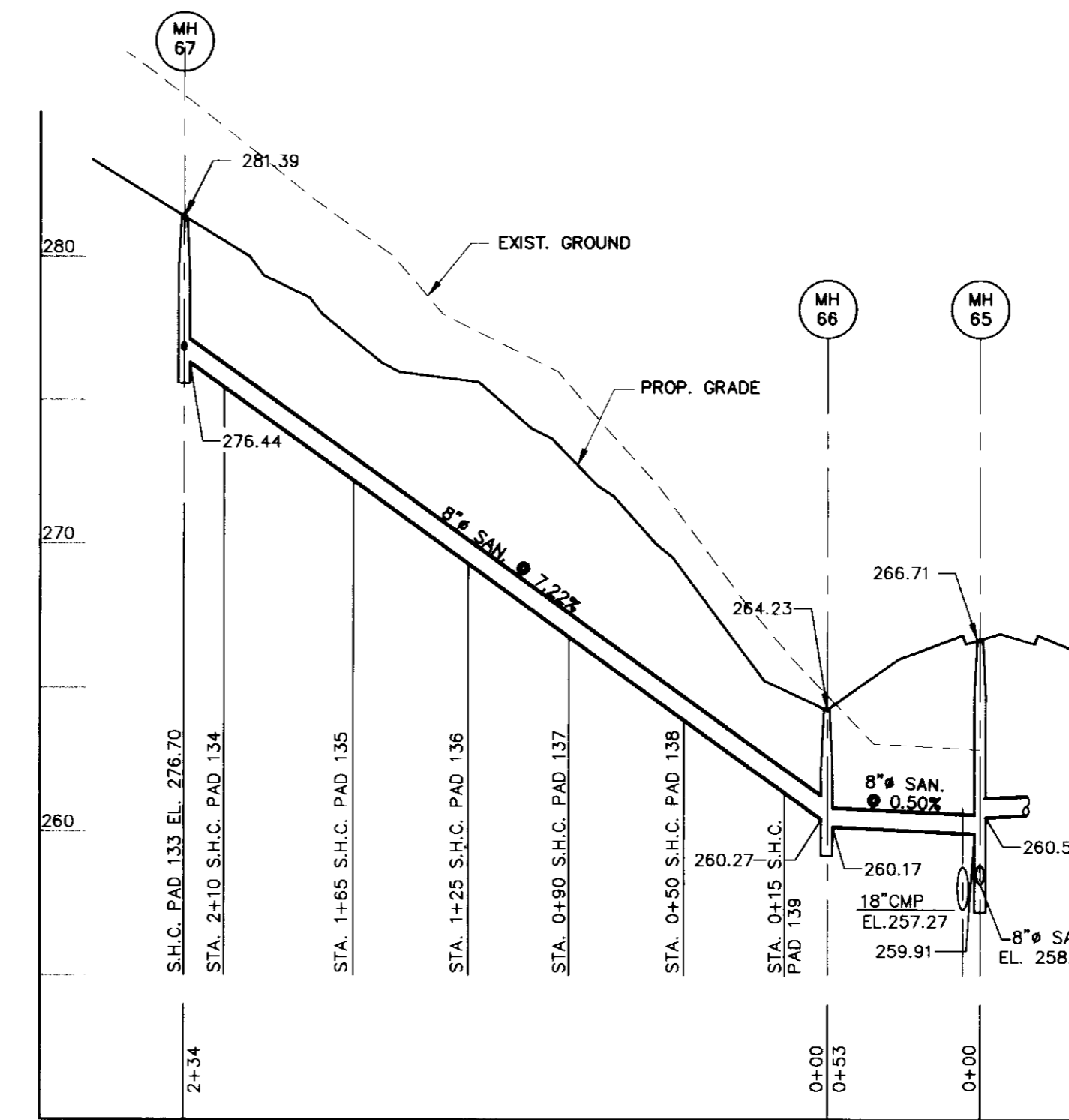
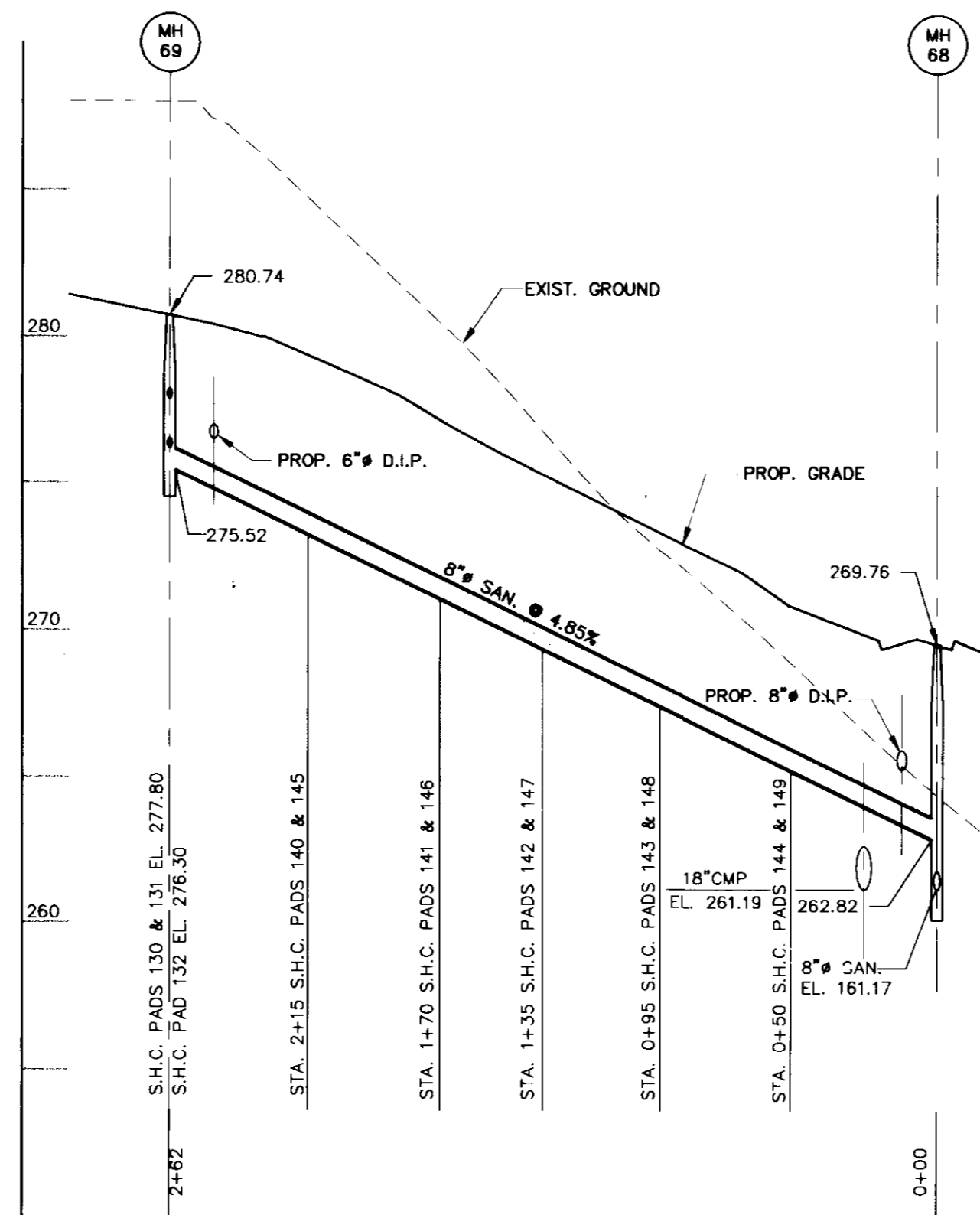
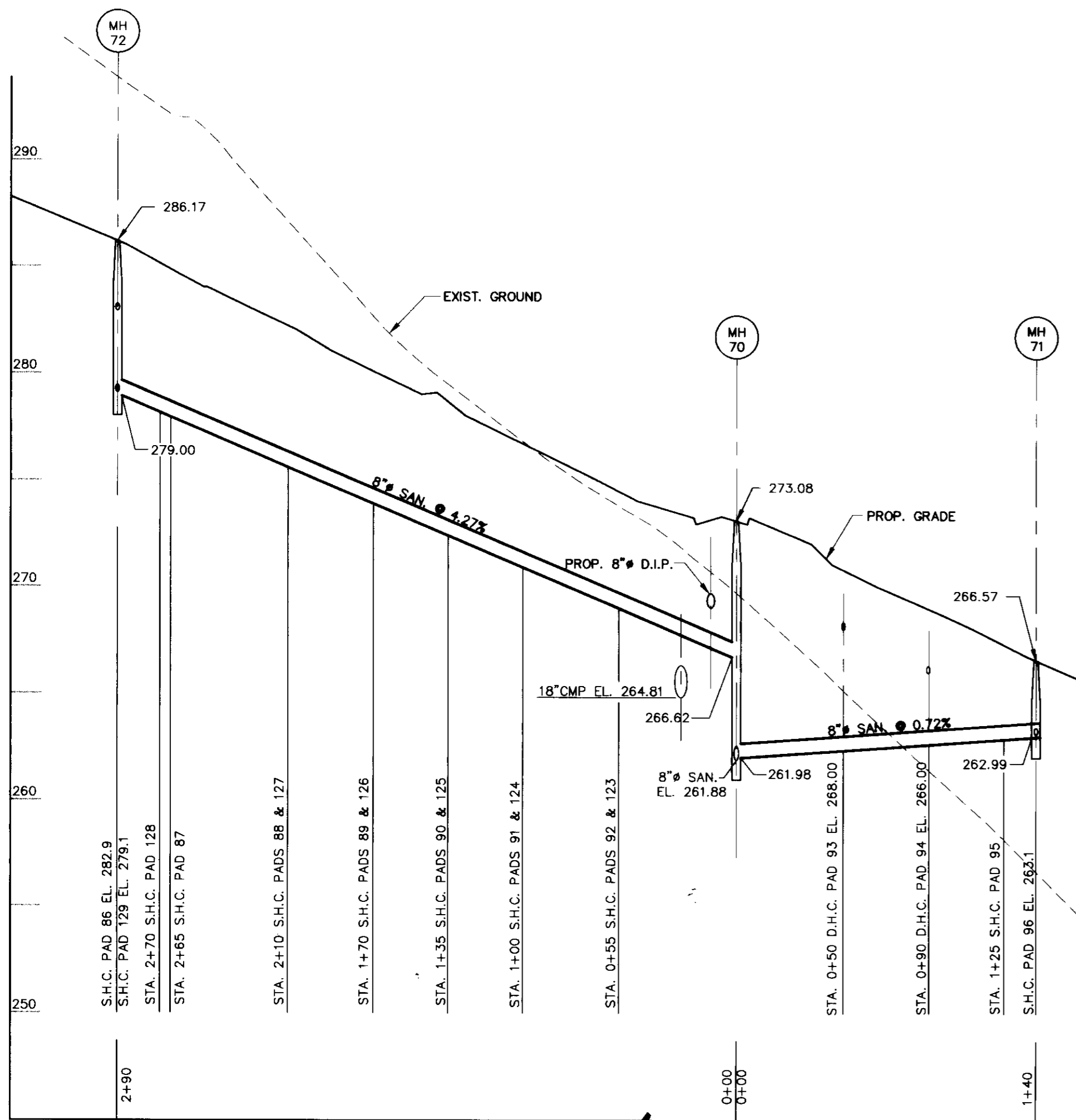
ENGINEER'S SIGNATURE: *[Signature]* DATE: 3/12/96  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *[Signature]* DATE: 3/12/96  
 DIRECTOR: *[Signature]* DATE: 3/14/96

Project	94044
Date	JAN 96
Illustrator	M.P.
Scale	M.P.
Approval	J.H.

Project	94044
Date	JAN 96
Illustrator	M.P.
Scale	M.P.
Approval	J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
 SANITARY SEWER PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0236 Fax: (301) 621-5521 Wash. (410) 997-0288 Fax



**DEVELOPERS CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF DEVELOPER DATE  
**R. WAYNE NEUSOME**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT I WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE  
**R. WAYNE NEUSOME**  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 2/6/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/12/96  
 DIRECTOR DATE

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

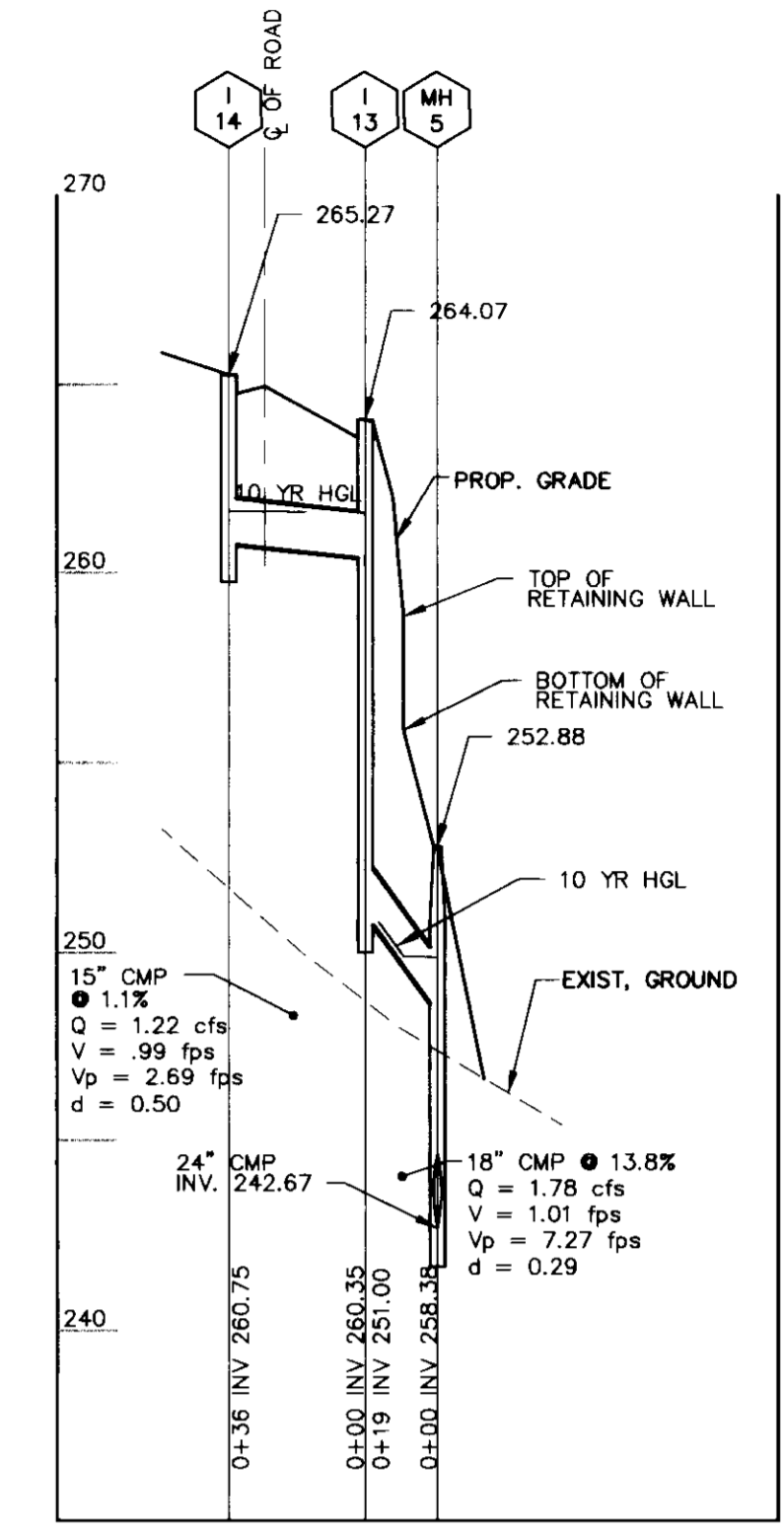
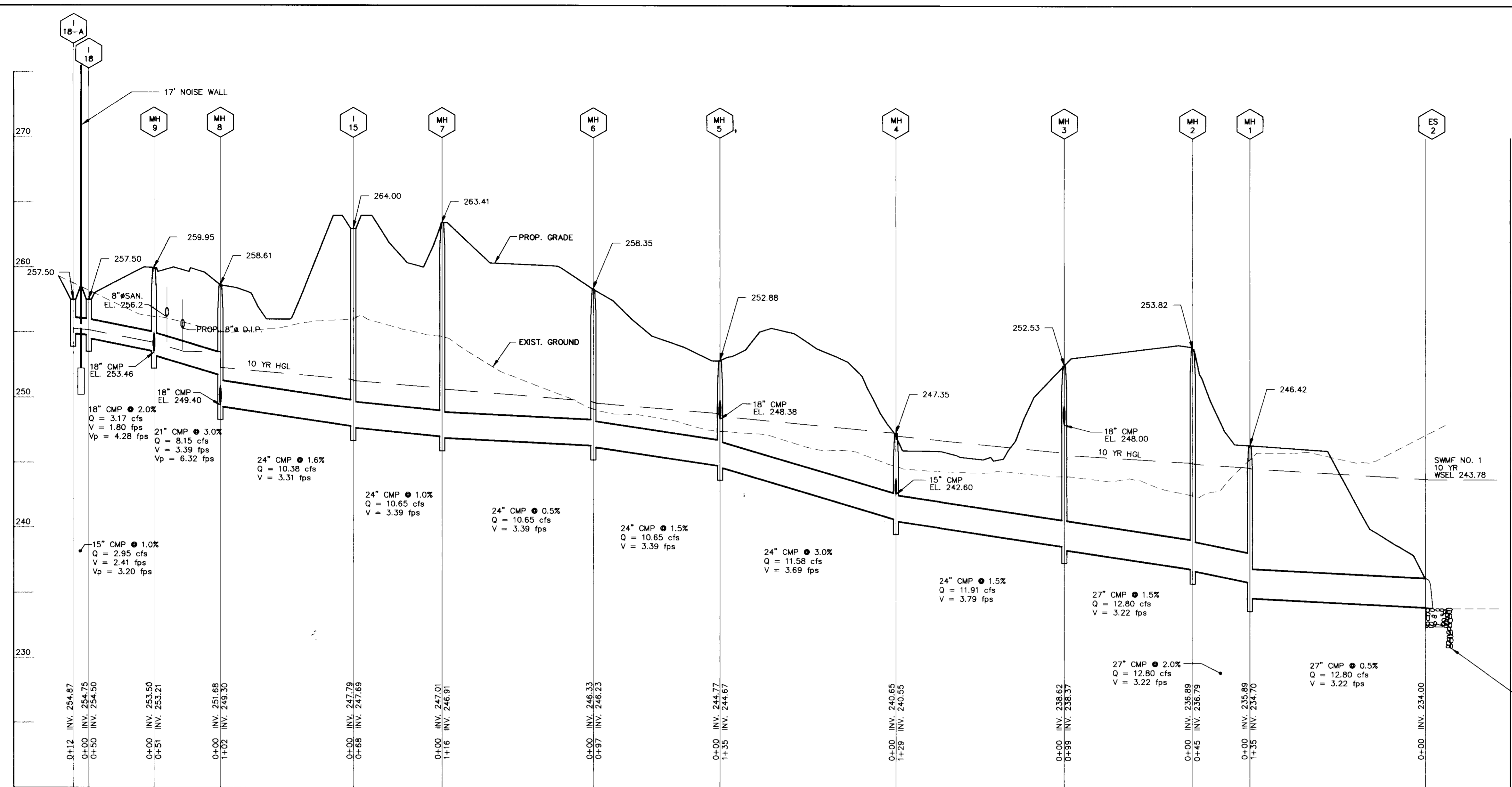
OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

Project	94044	Date	JAN 96
Illustrator	M.P.	Engineering	M.P.
Scale	1"=50'	Approval	J.H.
Revised	REV: 1=5"		

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
**SANITARY SEWER PROFILES**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0286 Fax (301) 621-5521 Wash. (410) 987-0299 Fax

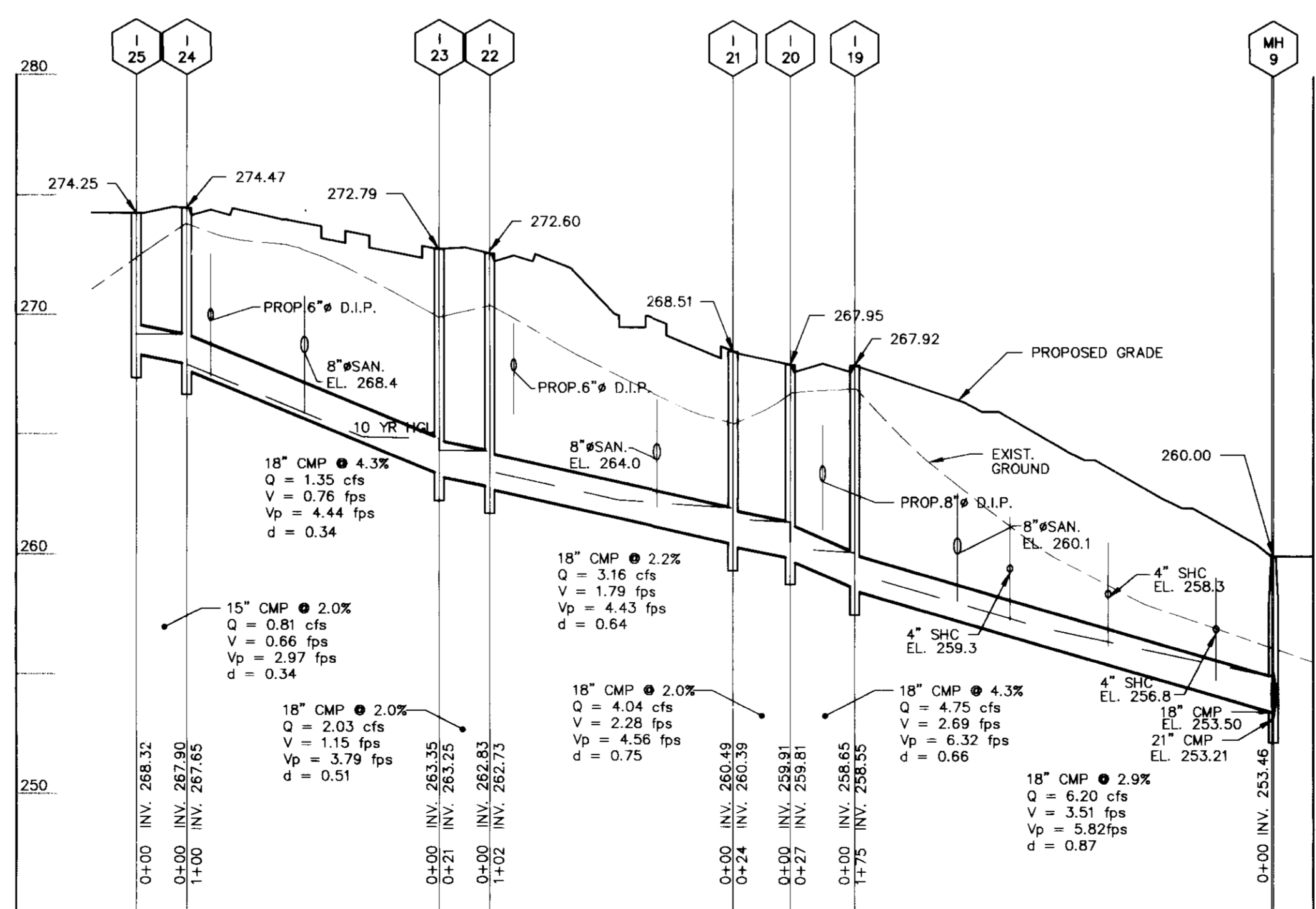
NOTE: USE 16 GAGE CORRUGATED METAL PIPES UNLESS OTHERWISE SHOWN.



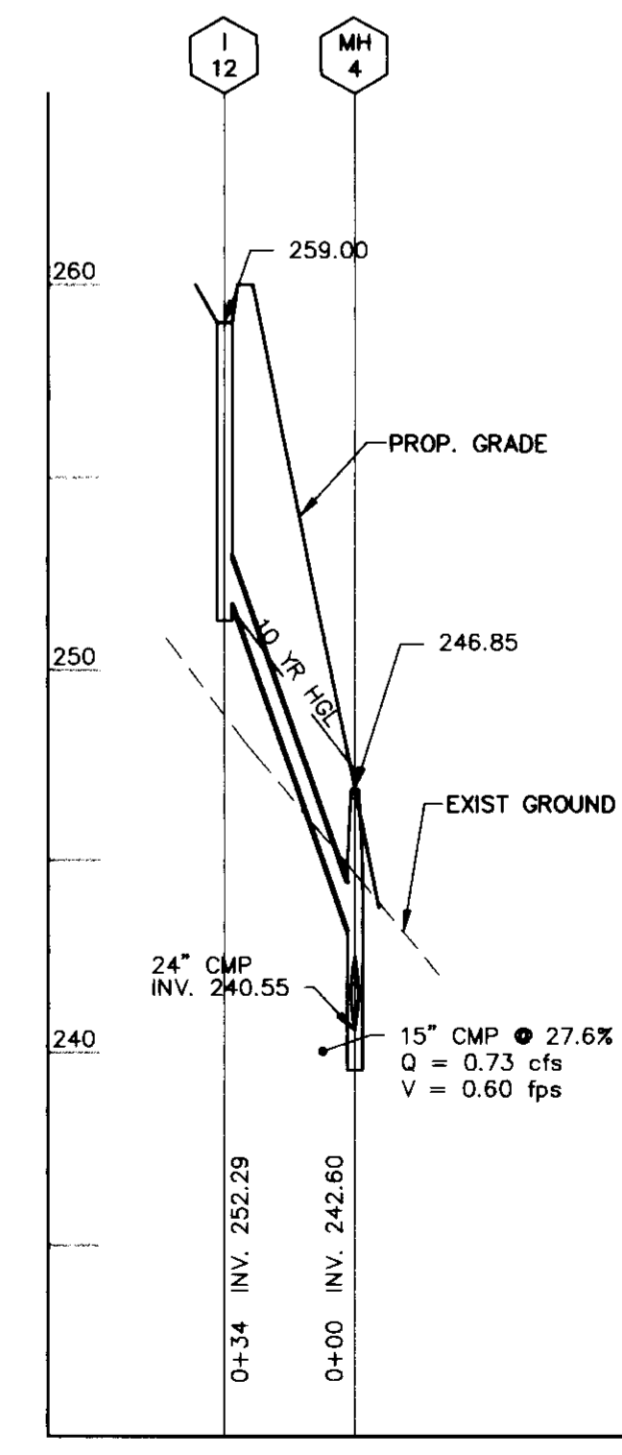
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

PROVIDE SCS STD. ROCK  
OUTLET PROTECTION  
DETAIL 27, PAGE F-18-10  
Lp = 15'  
W = 15'  
d50 = 6"  
t = 14"  
SEE DETAIL, PAGE OF

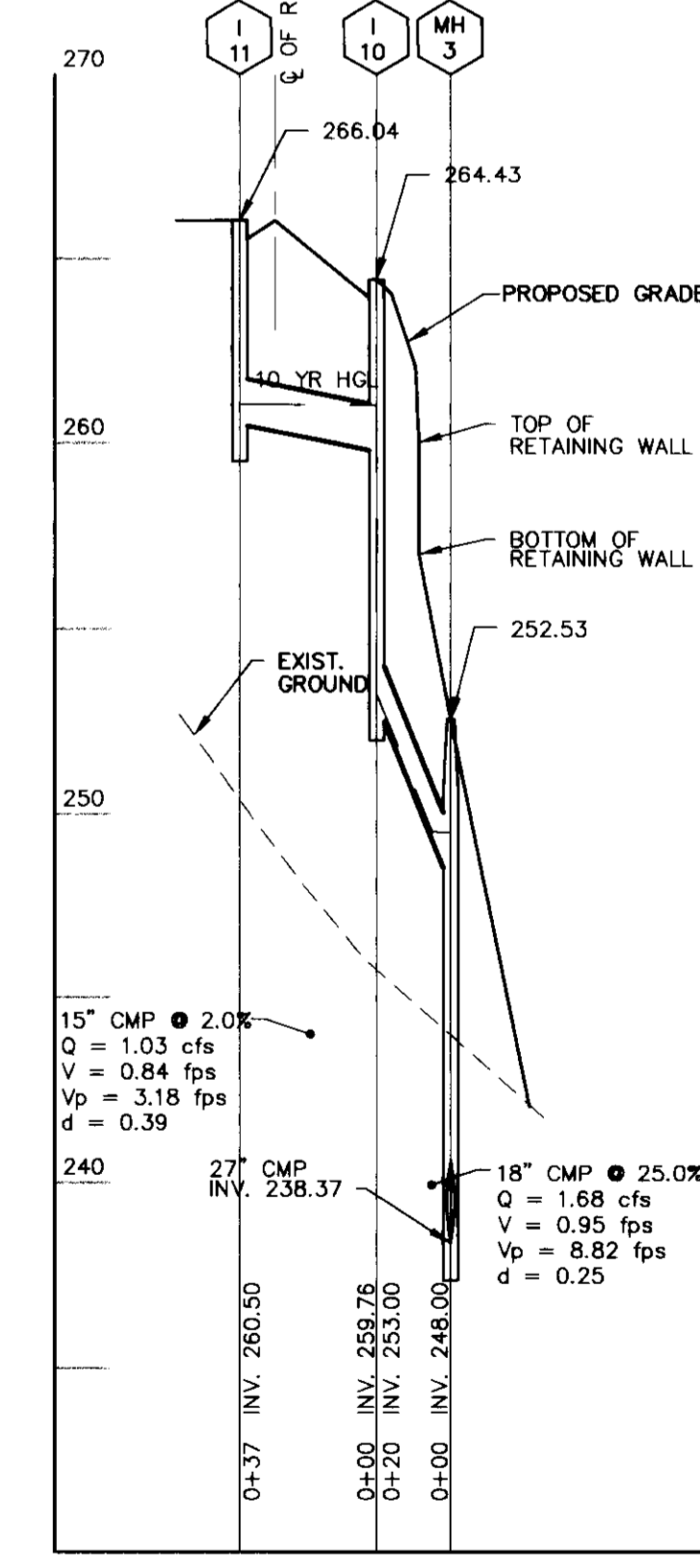
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



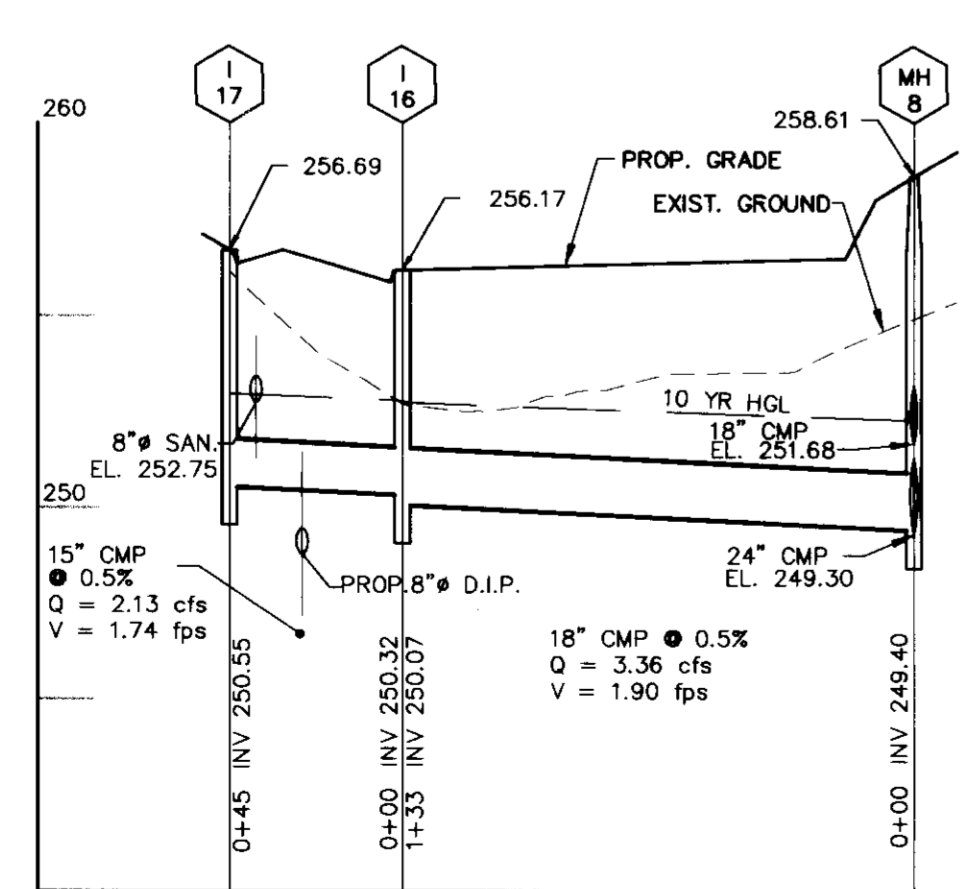
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Kayne Newsome* DATE: 1/17/96  
PRINTED NAME OF DEVELOPER: R. KAYNE NEWSOME

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. James Holmat* DATE: 1/10/96  
PRINTED NAME OF ENGINEER: R. JAMES HOLMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *Patricia Engle* DATE: 2/6/96  
USDA - NATURAL RESOURCE CONSERVATION SERVICE

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Robert W. Zuber* DATE: 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE: *Chris Deussen* DATE: 3/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *Jim Strumery* DATE: 3/14/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *James S. Smith* DATE: 3/14/96  
DIRECTOR

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

**OWNER/DEVELOPER**  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
(410) 526-4030

date	JAN 96
project	94044
illustrator	ES
scale	AS SHOWN
approval	RH/DBM

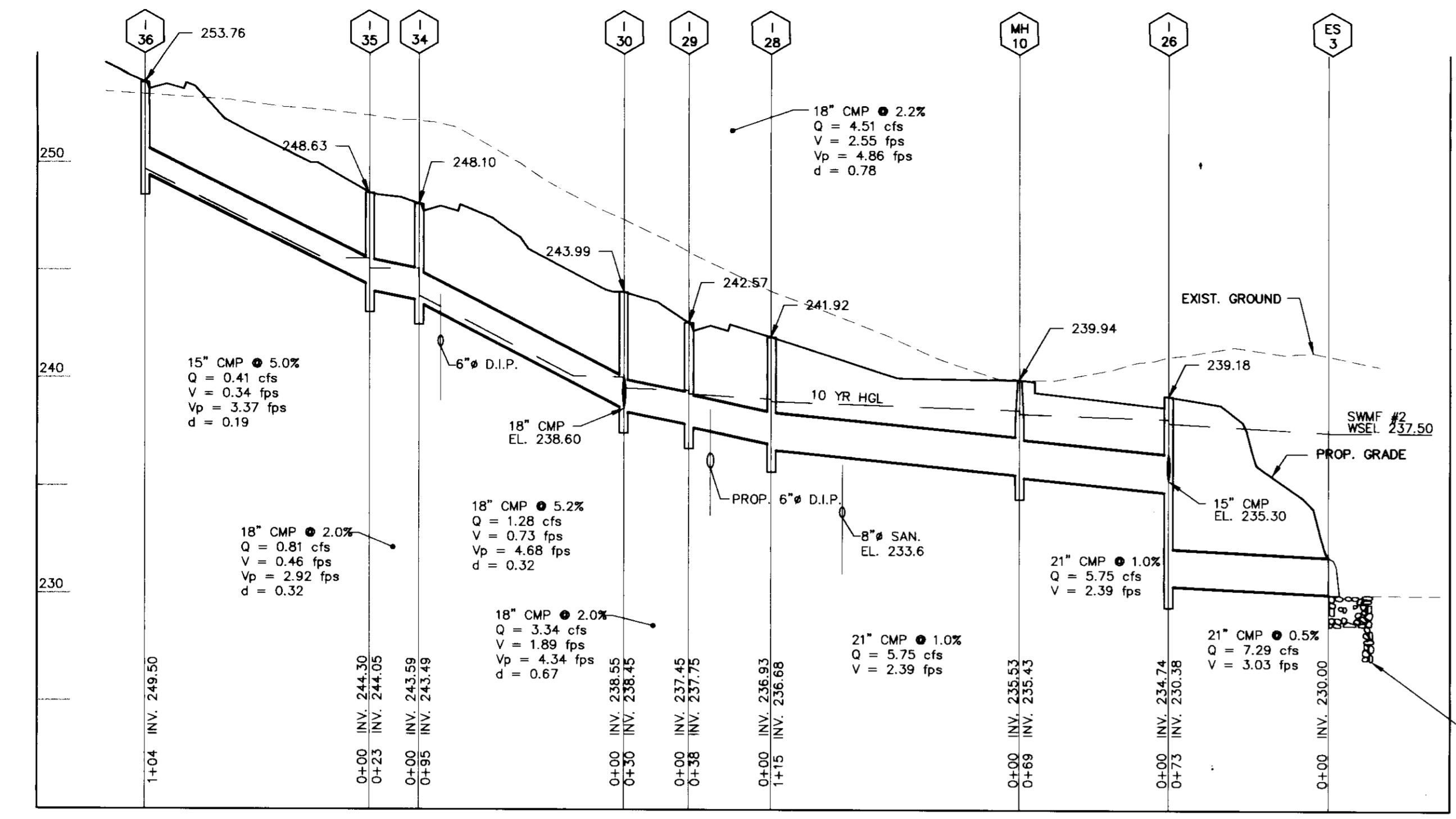
date	
description	
revision	

TAX MAP 43, PARCEL 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORM DRAIN PROFILES

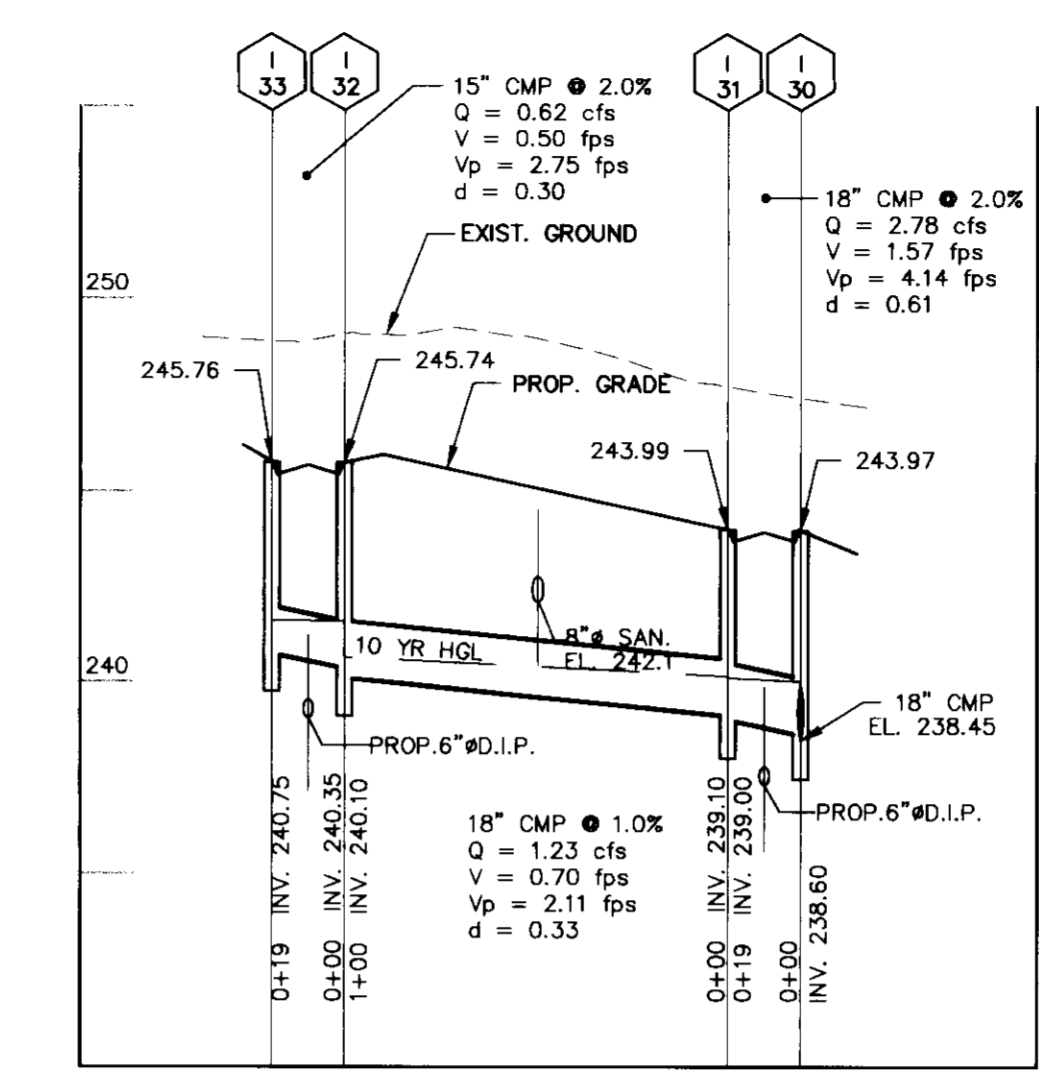
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dunes Hill Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 987-0266 Fax: (301) 621-5521 Wash. (410) 987-0268 Fax

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

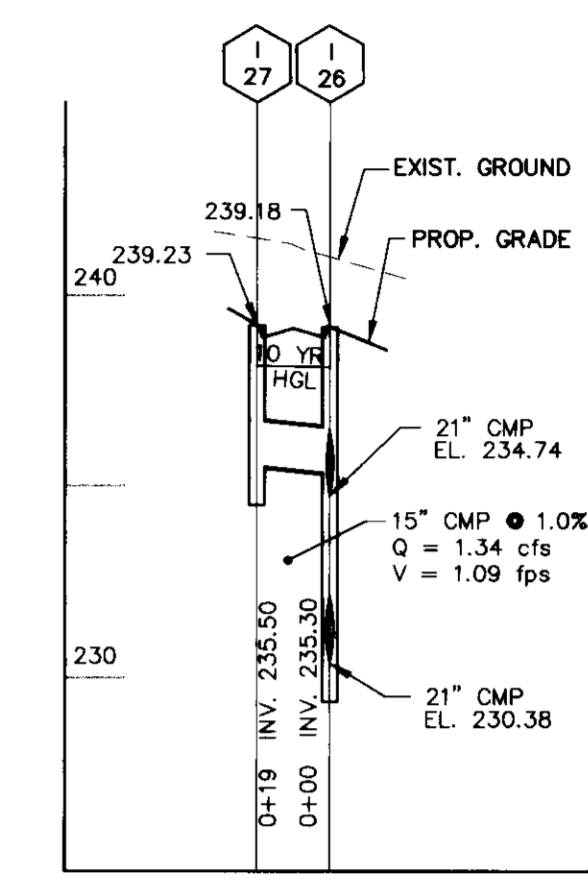
NOTE : USE 16 GAGE CORRUGATED METAL PIPES UNLESS OTHERWISE SHOWN.



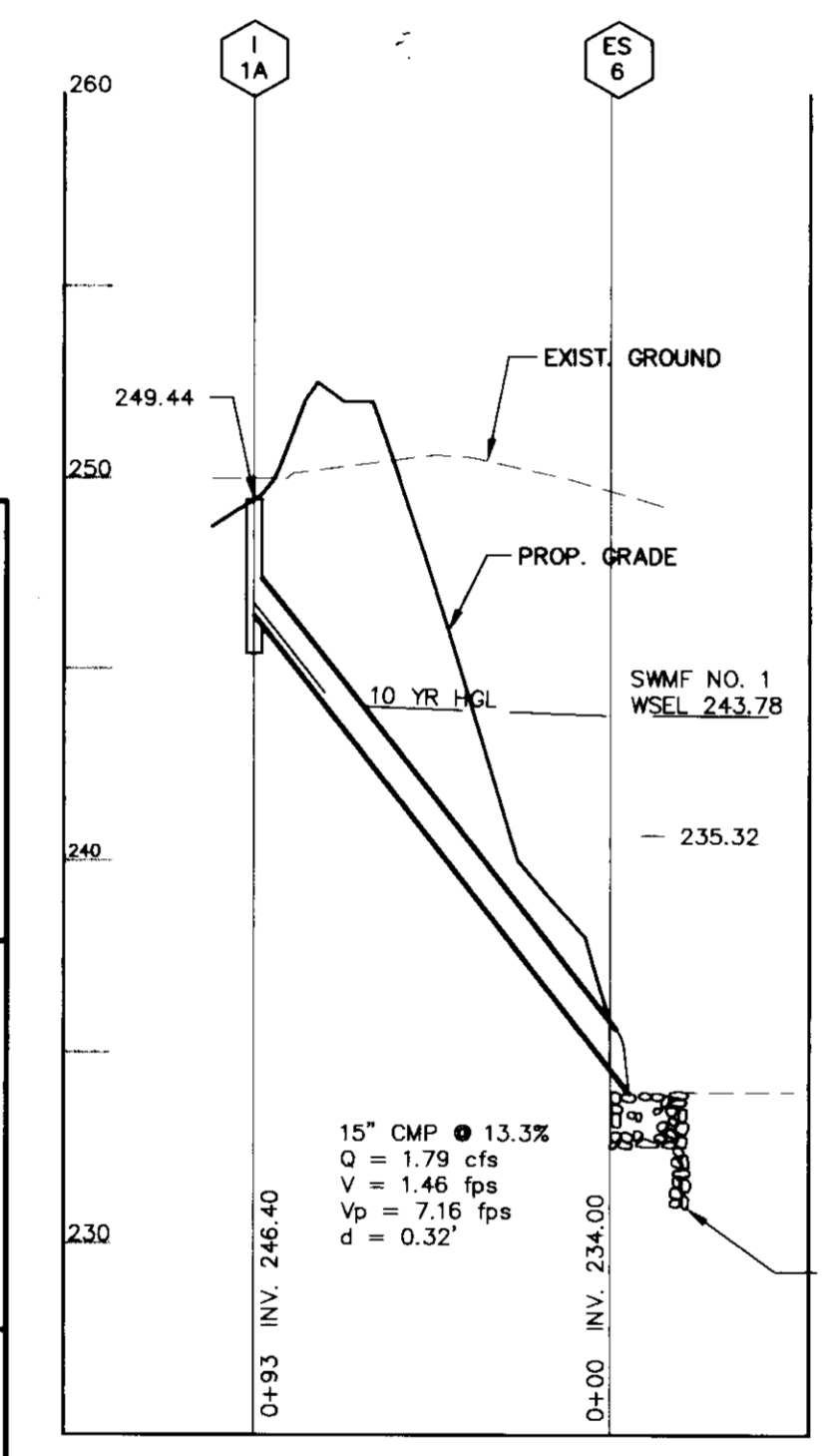
HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



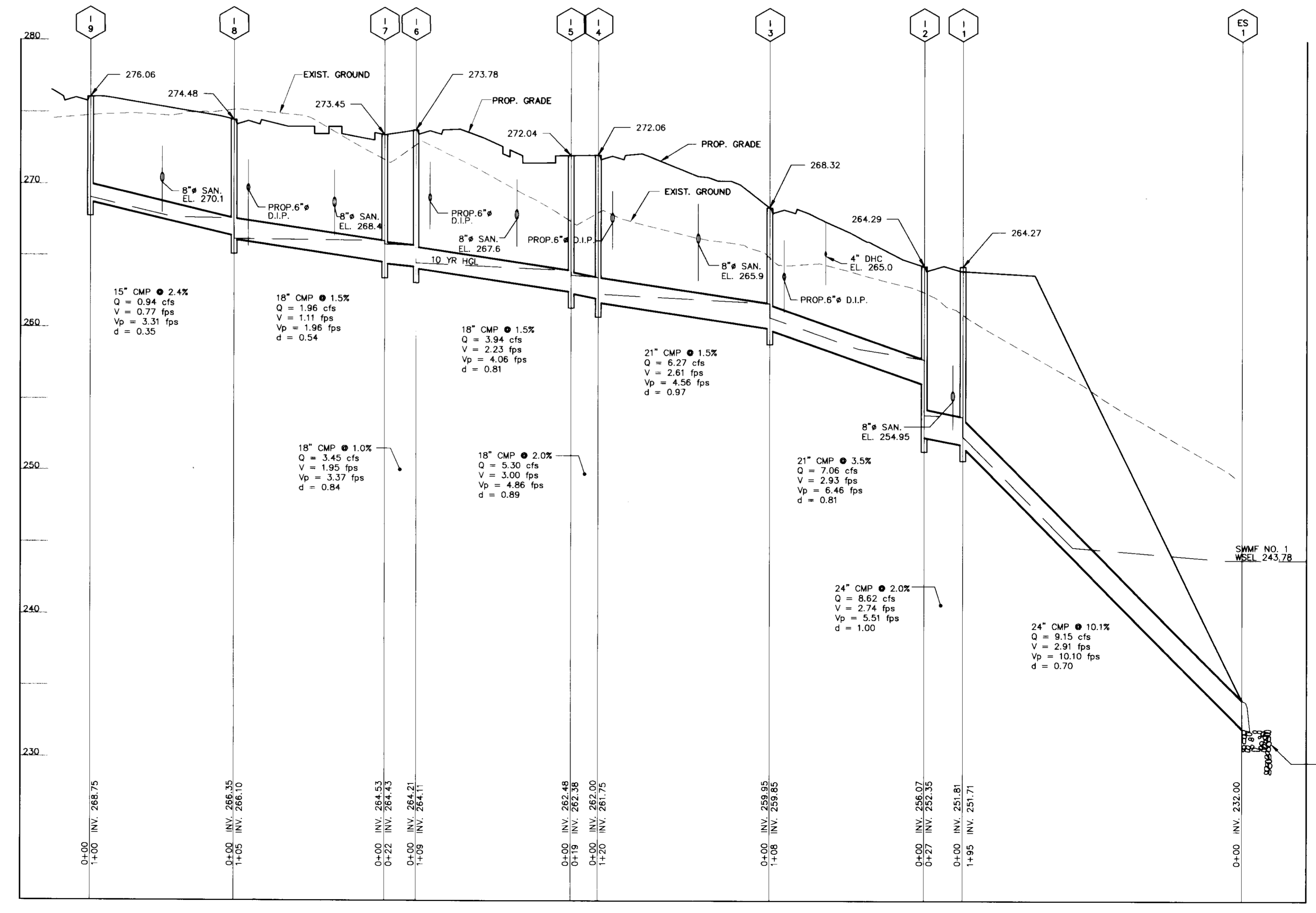
HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'

PROVIDE SCS STD. ROCK  
OUTLET PROTECTION  
DETAIL 27, PAGE F-18-10  
W = 15'  
Lg = 15'  
d50 = 6"  
t = 14"  
SEE DETAIL, PAGE OF

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030



**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Wayne Newsome* DATE: 1/11/96  
PRINTED NAME OF DEVELOPER: R. WAYNE NEWSOME

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Wayne Newsome* DATE: 1/10/96  
PRINTED NAME OF ENGINEER: R. WAYNE NEWSOME

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *Patricia Engle* DATE: 2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Robert W. Zimm* DATE: 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Signature: *John J. ...* DATE: 3/10/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *James ...* DATE: 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *Joseph ...* DATE: 3/14/96  
DIRECTOR

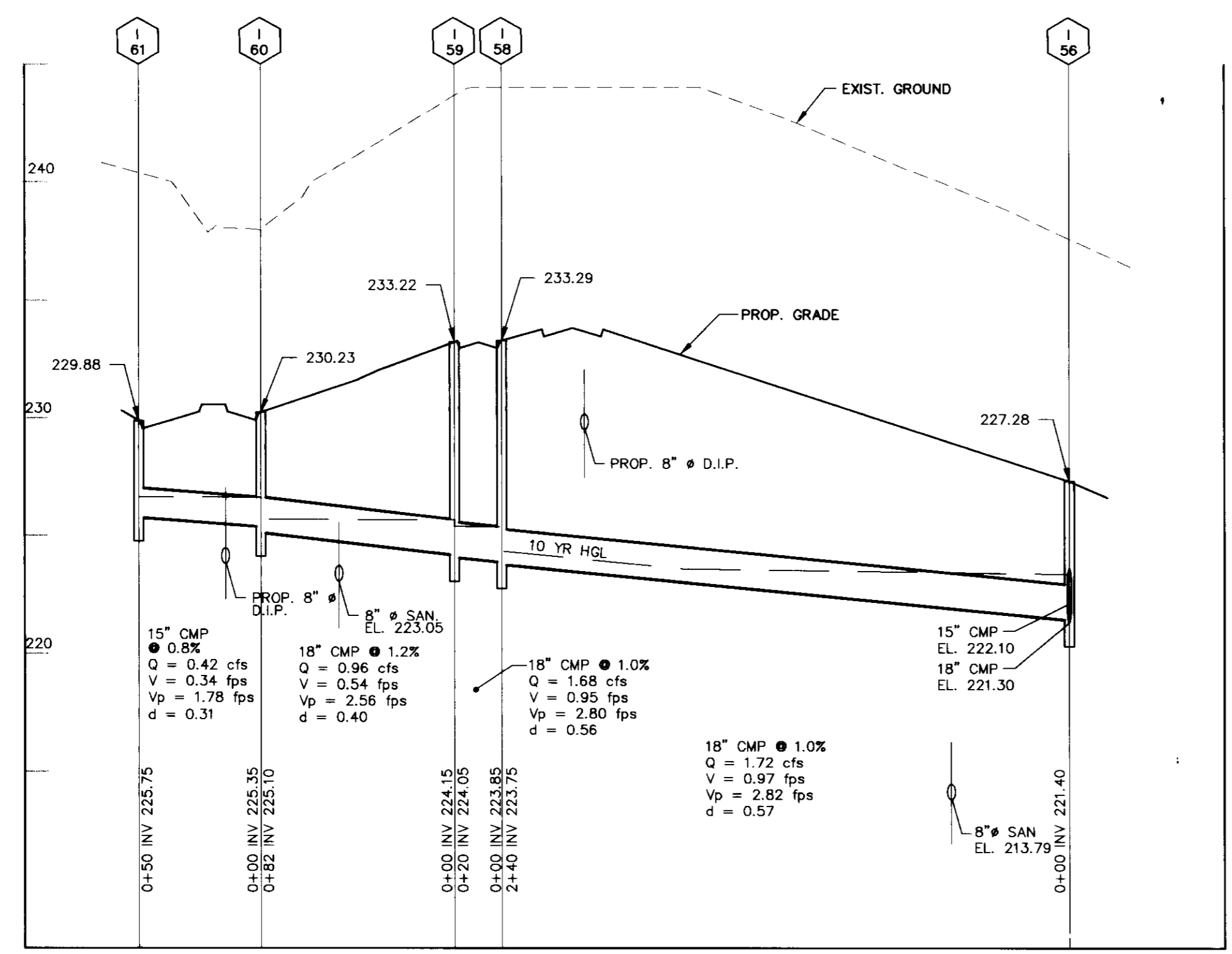
TAX MAP 43, PARCEL 4, 347 & P/O 3  
**CORRIDOR ONE**  
STORM DRAIN PROFILES

1ST ELECTION DISTRICT HOWARD COUNTY

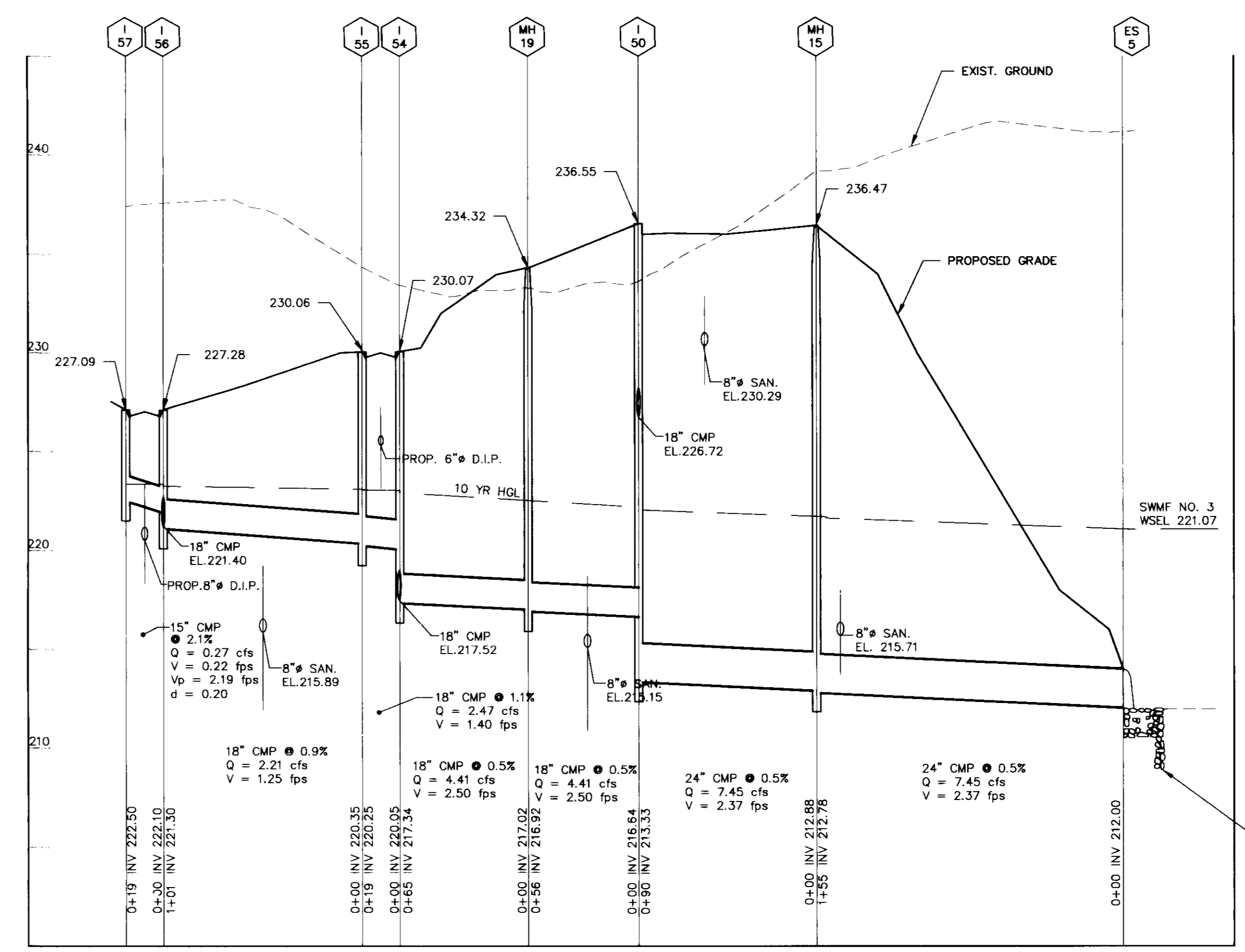
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 997-0296 Fax: (301) 621-5521 Wash. (410) 987-0296 Fax.

20 OF 39  
SDP-96-20

NOTE : USE 16 GAGE CORRUGATED METAL PIPES UNLESS OTHERWISE SHOWN.

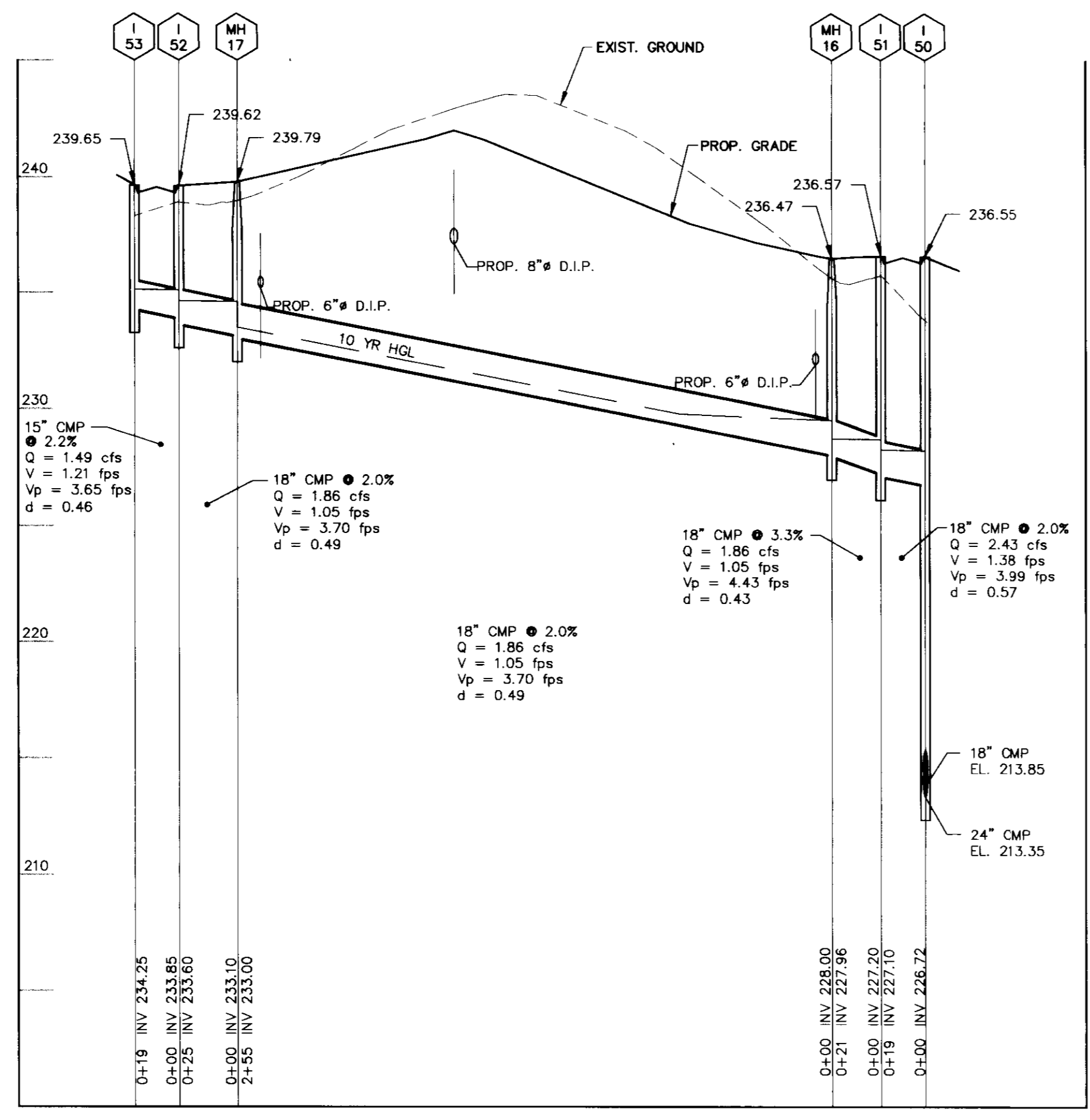


HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'

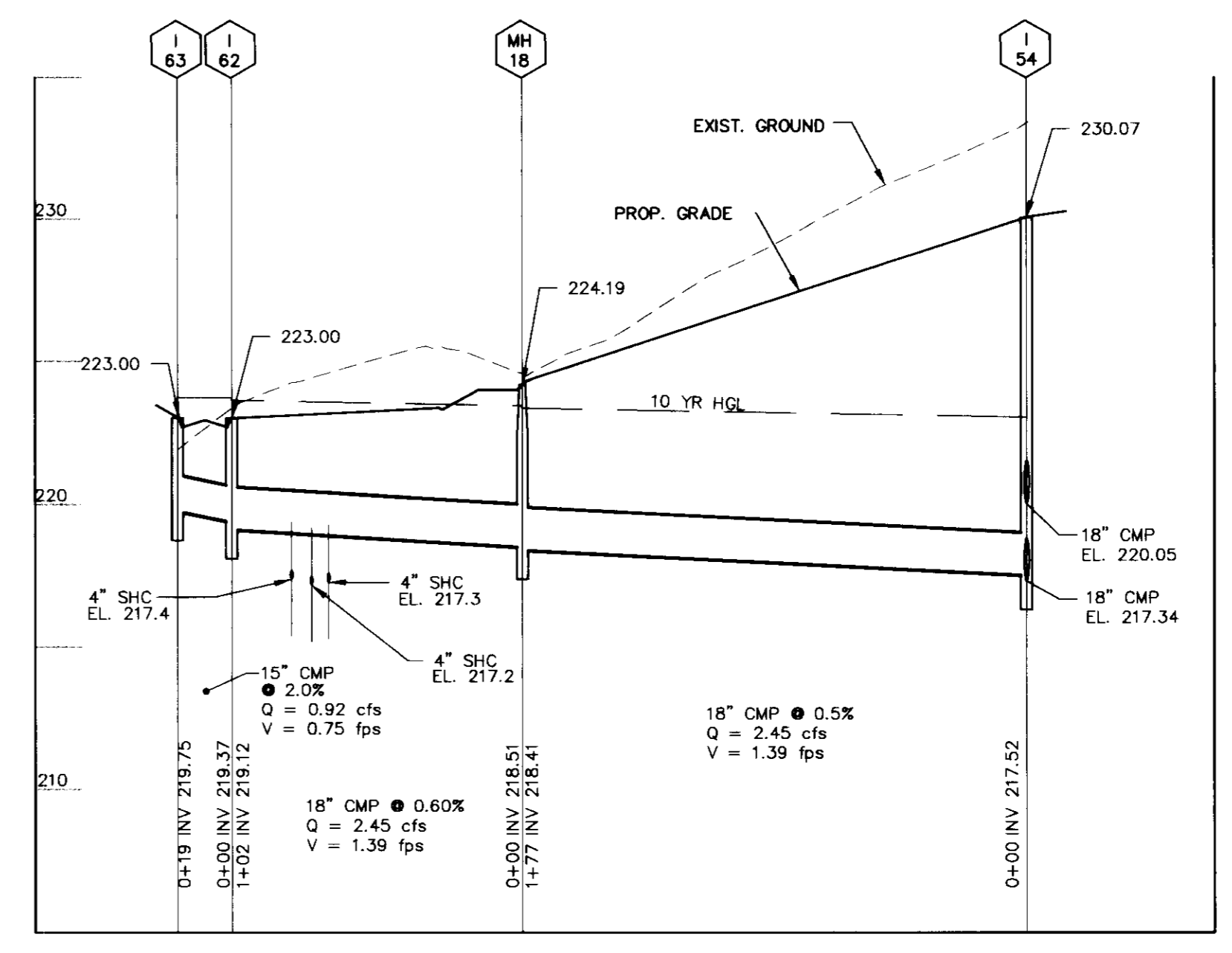


HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'

PROVIDE SCS STD. ROCK  
OUTLET PROTECTION  
DETAIL 27, PAGE F-18-10  
La = 15'  
W = 15'  
d50 = 6"  
1" = 14"  
SEE DETAIL, PAGE OF



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'

THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RTE. 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

*[Handwritten Signature]*

**DEVELOPERS CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/18/96  
SIGNATURE OF DEVELOPER DATE  
R. WAYNE NEWMOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN AND THAT I HAVE PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/16/96  
SIGNATURE OF ENGINEER DATE  
R. JACOB HILTON  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE DATE  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/8/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
DIRECTOR DATE

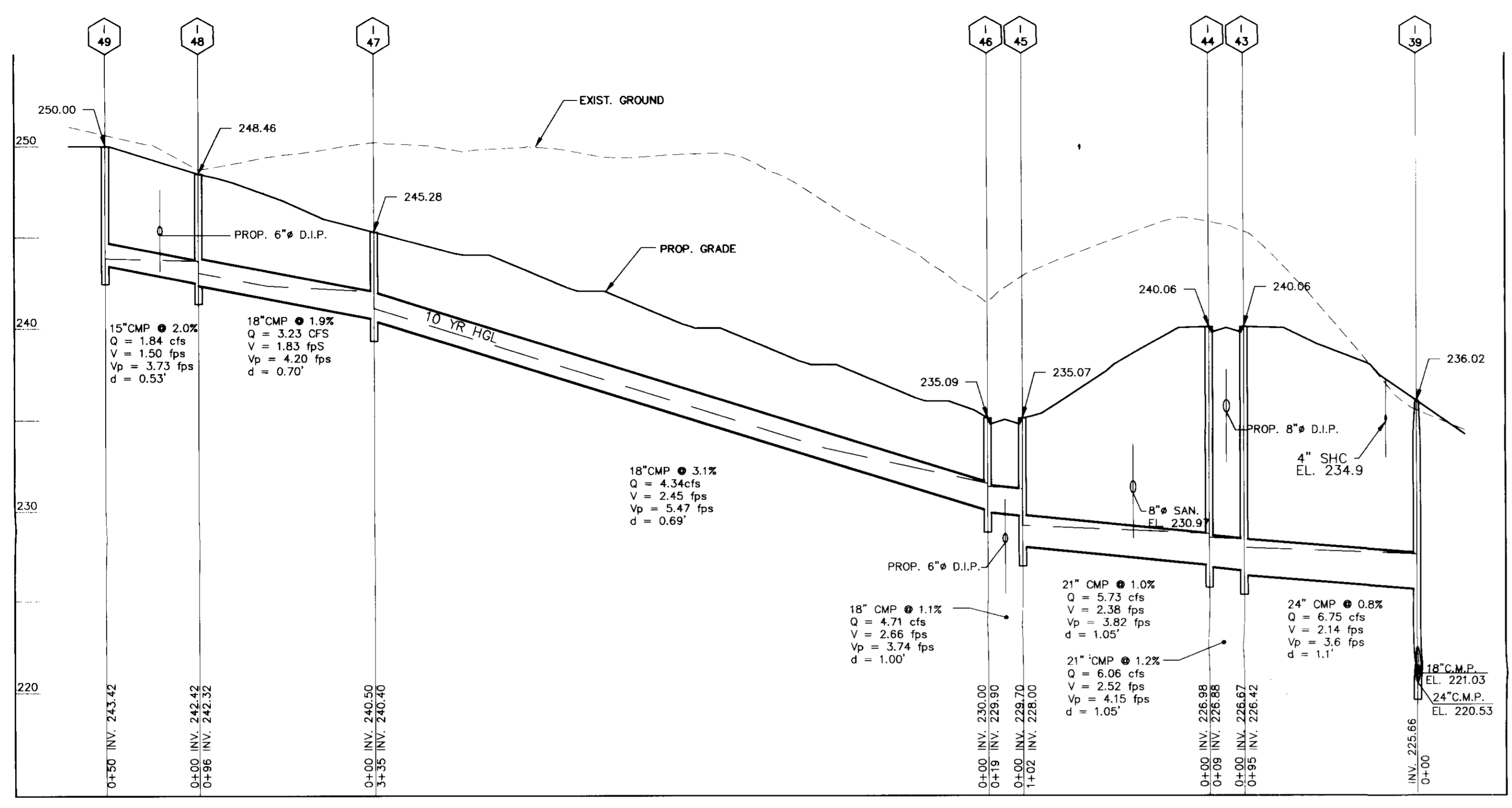
Project	94044
date	JAN 96
Illustrator	ES
scale	MAT
approval	AS SHOWN JEM

description	
revisions	
date	
by	

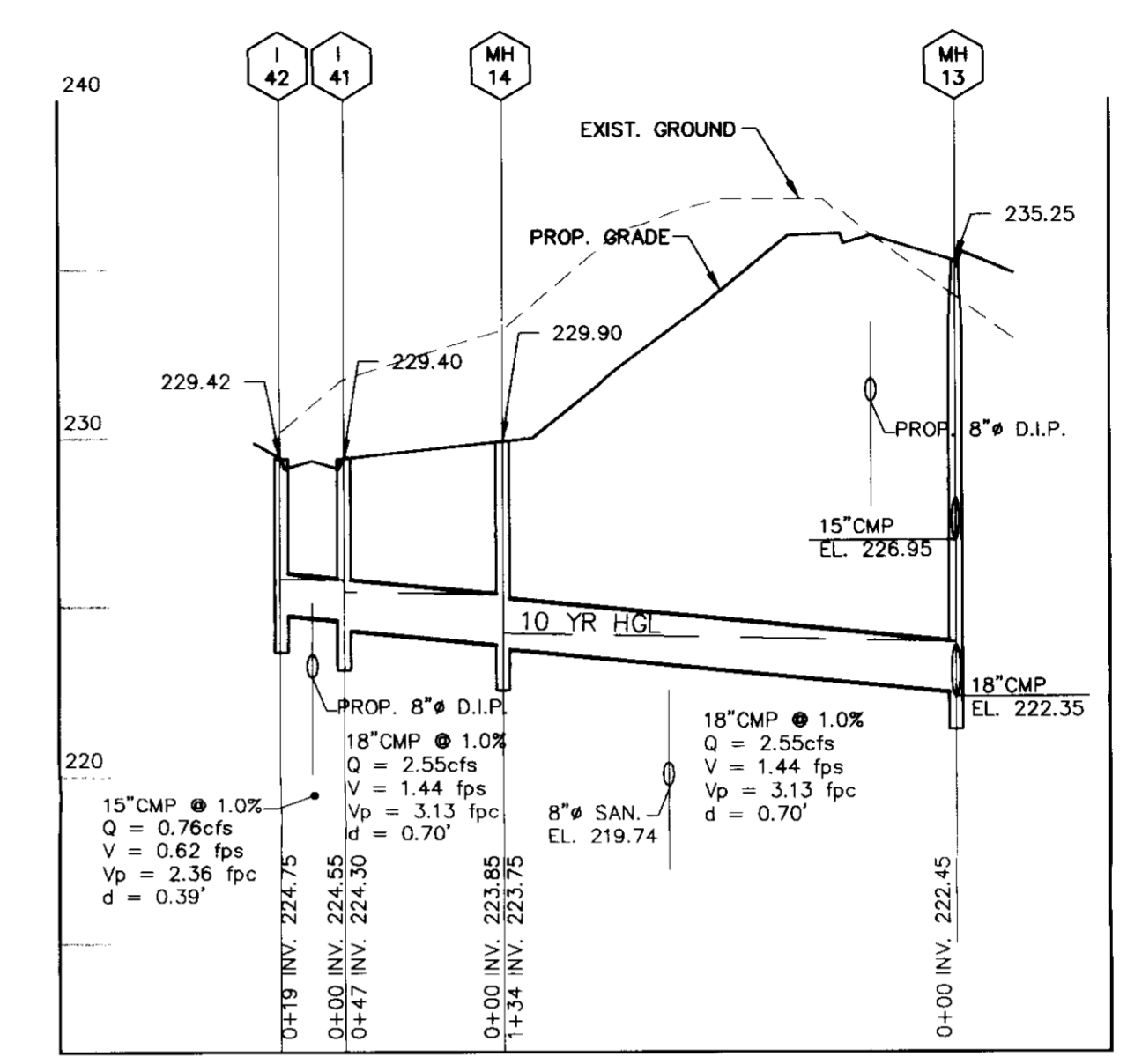
TAX MAP 43, PARCEL 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORM DRAIN PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 397-0286 Fax: (301) 621-5521 Wash. (410) 397-0298 Fax

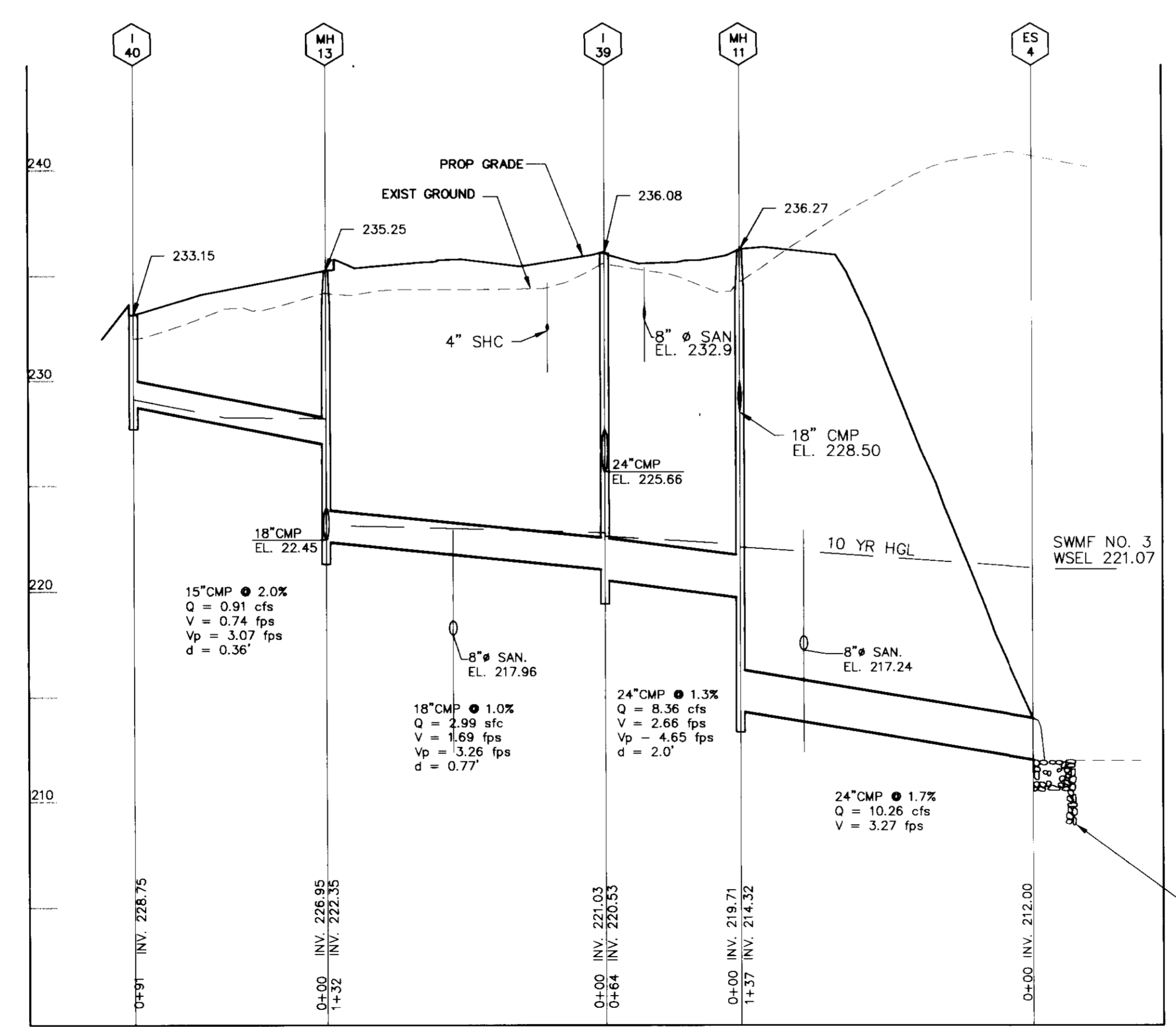
NOTE : USE 16 GAGE CORRUGATED METAL PIPES UNLESS OTHERWISE SHOWN.



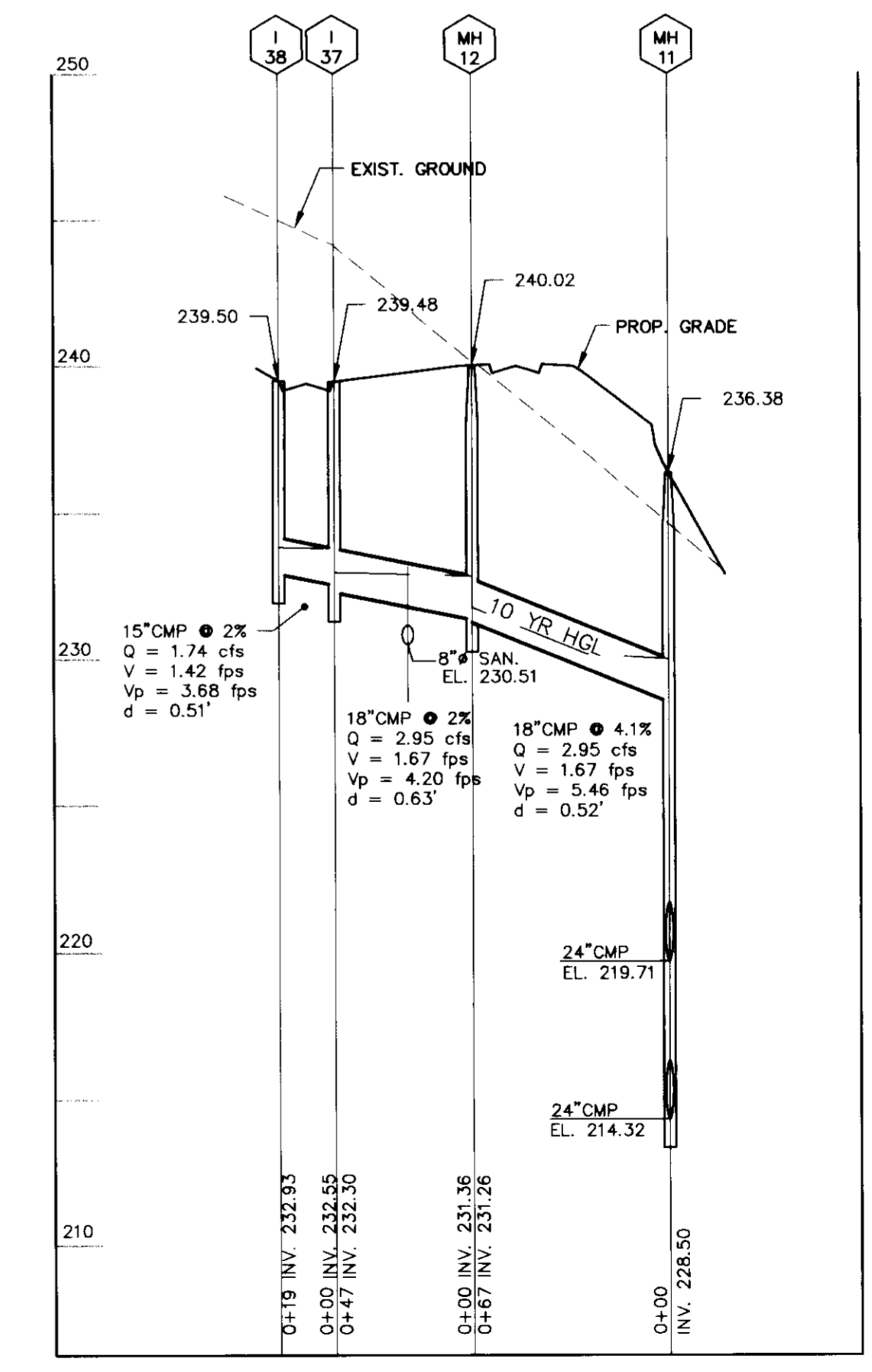
HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'



HORIZONTAL SCALE : 1" = 50'  
VERTICAL SCALE : 1" = 5'

PROVIDE SCS STD. ROCK  
OUTLET PROTECTION  
DETAIL 27, PAGE F-18-10  
L<sub>0</sub> = 15'  
W = 15'  
d<sub>50</sub> = 6"  
T = 14"  
SEE DETAIL, PAGE OF

**THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

1/18/96  
R. KAYNE NEWSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

2/16/96  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

2/6/96  
USDA-NATURAL RESOURCE CONSERVATION SERVICE  
DATE

2/6/96  
HOWARD SOIL CONSERVATION DISTRICT  
DATE

**AS BUILT CERTIFICATION**

3/6/96  
DATE

3/12/96  
DATE

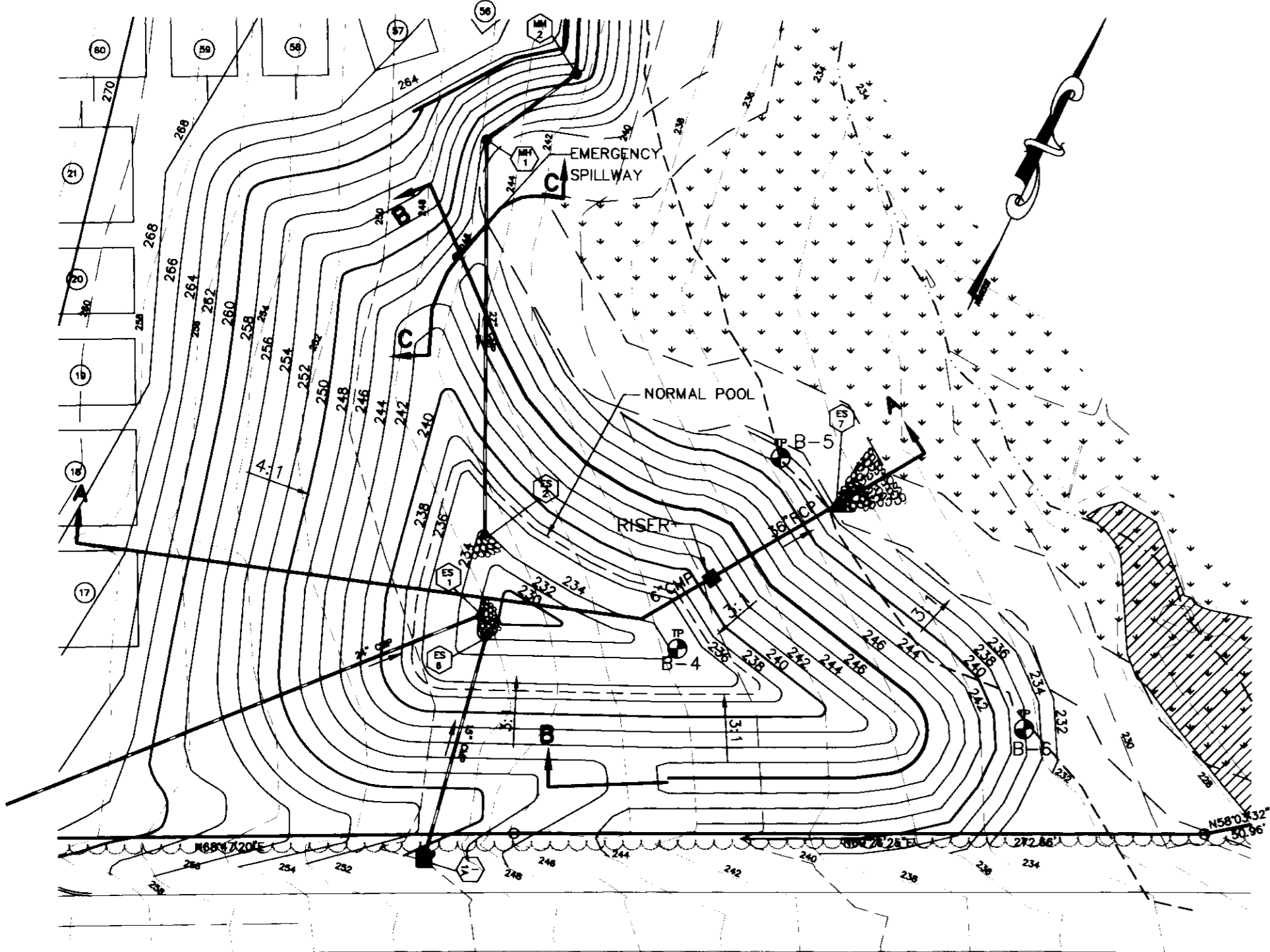
3/12/96  
DATE

PROJECT	DATE
94044	JAN 96
DESIGNED BY	ENGINEERING
MP/SID	ES
SCALE	AS SHOWN
APPROVED BY	JBM

PROJECT	DATE
94044	JAN 96
DESIGNED BY	ENGINEERING
MP/SID	ES
SCALE	AS SHOWN
APPROVED BY	JBM

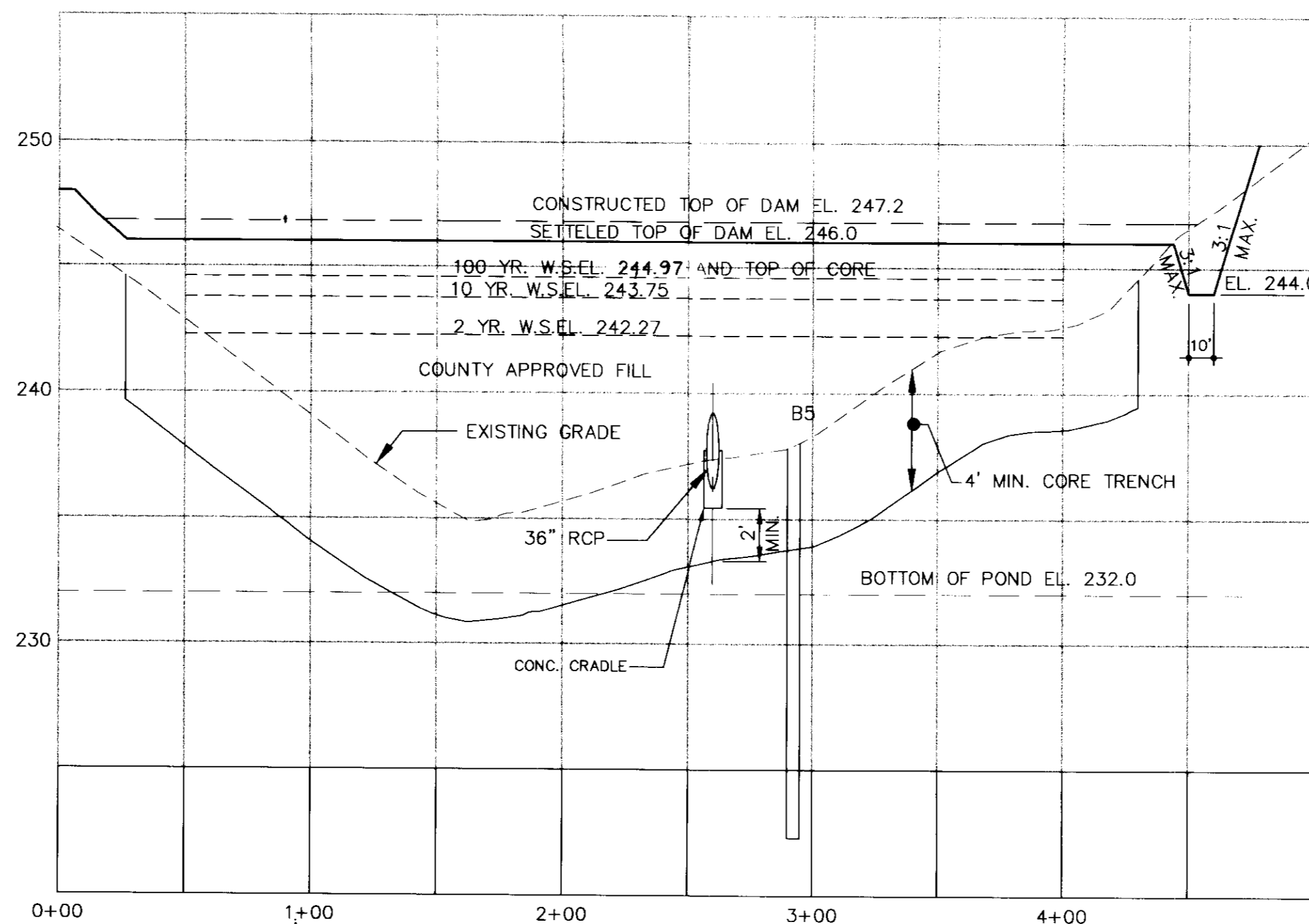
TAX MAP 43, PARCEL 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORM DRAIN PROFILES

**MILDENBERG,  
BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0236 Bldg. (301) 621-5521 Wash. (410) 997-0238 Fax.



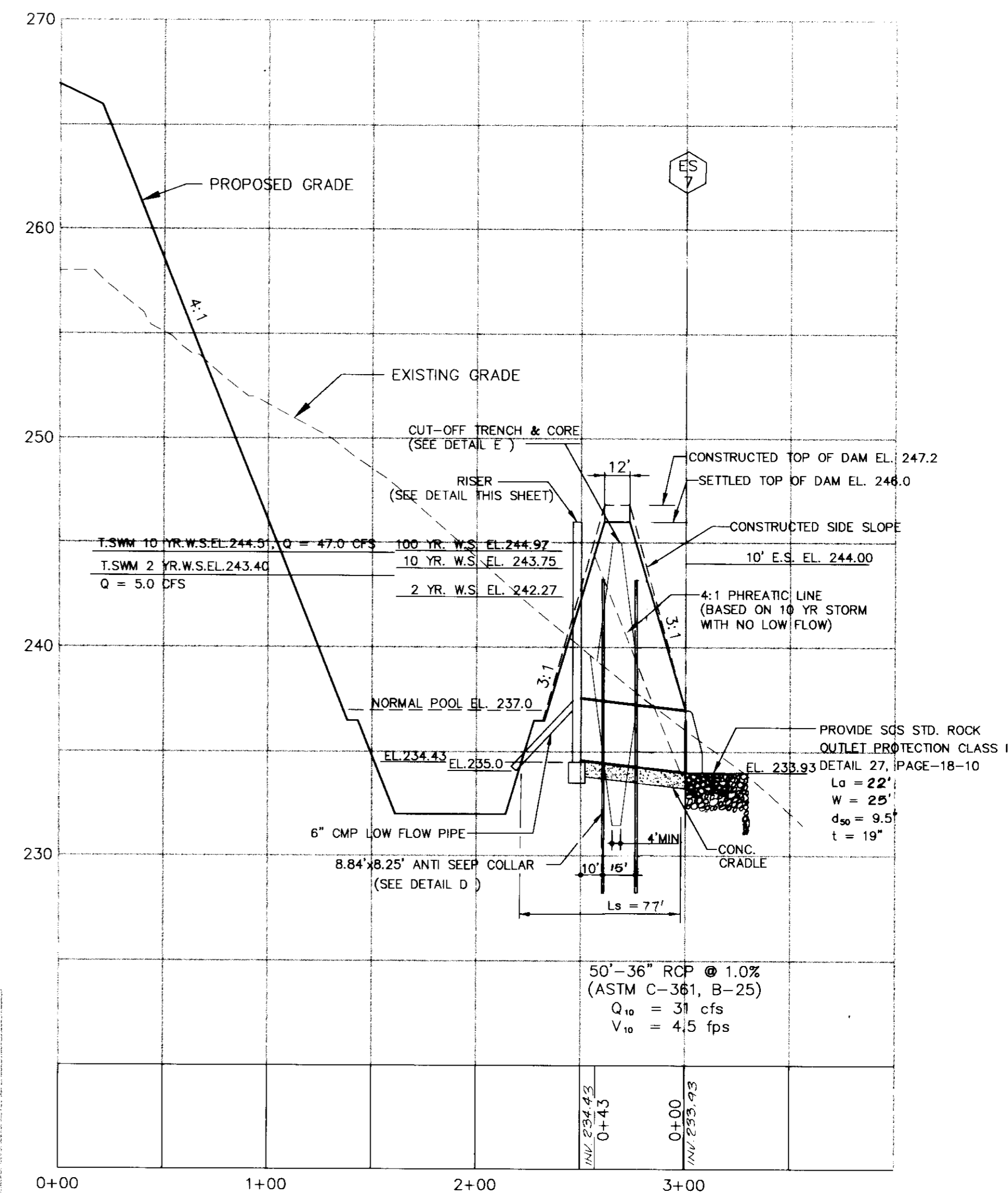
**POND - 1**  
SCALE: 1" = 50'

NOTE: POND TO BE GRADED TO EL. 228 DURING CONSTRUCTION. AFTER STABILIZATION OF CONTRIBUTING DRAINAGE AREAS, IT SHOULD BE GRADED TO ELEVATION INDICATED ON THE PROFILE.



**CROSS SECTION B - B OF DAM ALONG CENTERLINE**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



**PROFILE - SECTION A - A OF POND ONE**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

**POND 1 DATA**

HAZARD CLASSIFICATION "a"  
DRAINAGE AREA - 18.9 ACRES  
PROPOSED RCN - 84  
PROPOSED Tc - 0.47  
WATER QUALITY TYPE - RETENTION+EXTENDED DETENTION  
WET POOL EL. = 437.0  
2 YEAR STORM POOL EL. = 242.27, Q = 5.0 CFS  
10 YEAR STORM POOL EL. = 243.76, Q = 31.0 CFS  
100 YEAR STORM POOL EL. = 244.97, Q = 104.0 CFS (ULTIMATE)  
REQUIRED WET STORAGE = 0.78 AC.FT.  
PROVIDED WET STORAGE = 0.78 AC.FT.

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/18/96

Signature: *[Signature]* DATE: 1/18/96

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/18/96

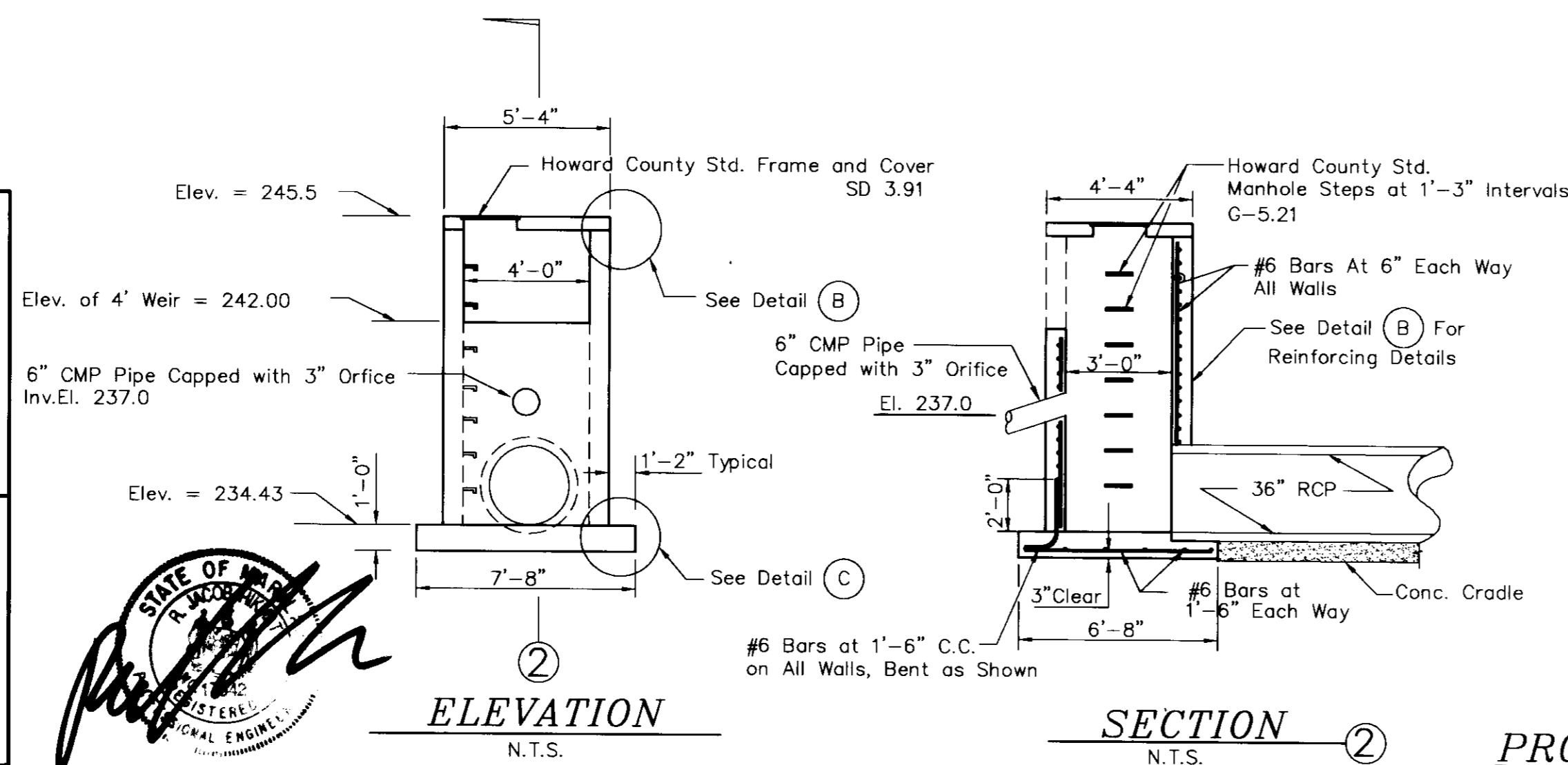
Signature: *[Signature]* DATE: 2/6/96

Signature: *[Signature]* DATE: 2/6/96

AS BUILT CERTIFICATION

Signature: *[Signature]* DATE: 3/12/96

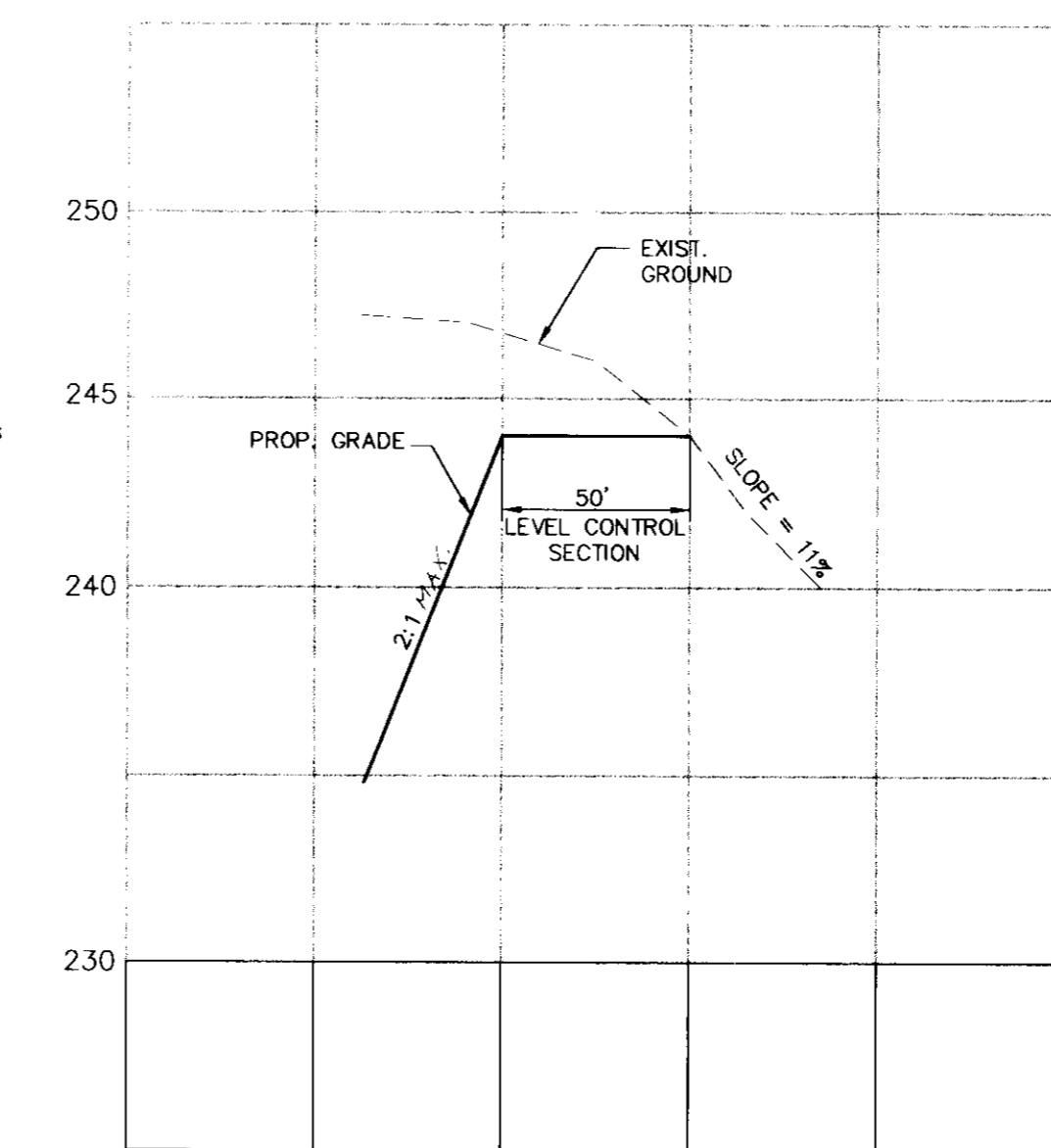
Signature: *[Signature]* DATE: 3/14/96



**ELEVATION**  
N.T.S.

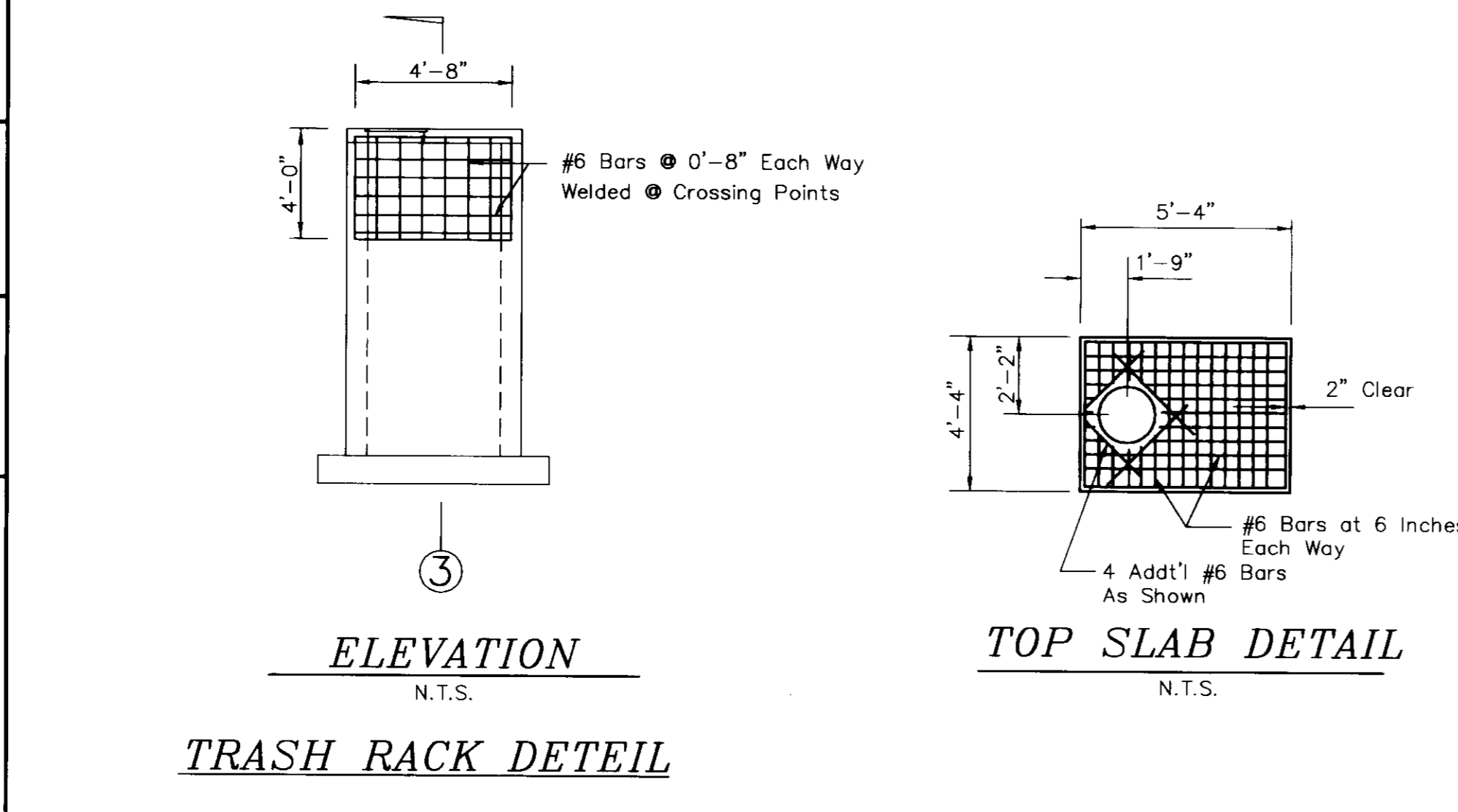
**SECTION 2**  
N.T.S.

**RISER DETAILS**



**PROFILE - SECTION C-C ALONG CENTERLINE OF EMERGENCY SPILLWAY**

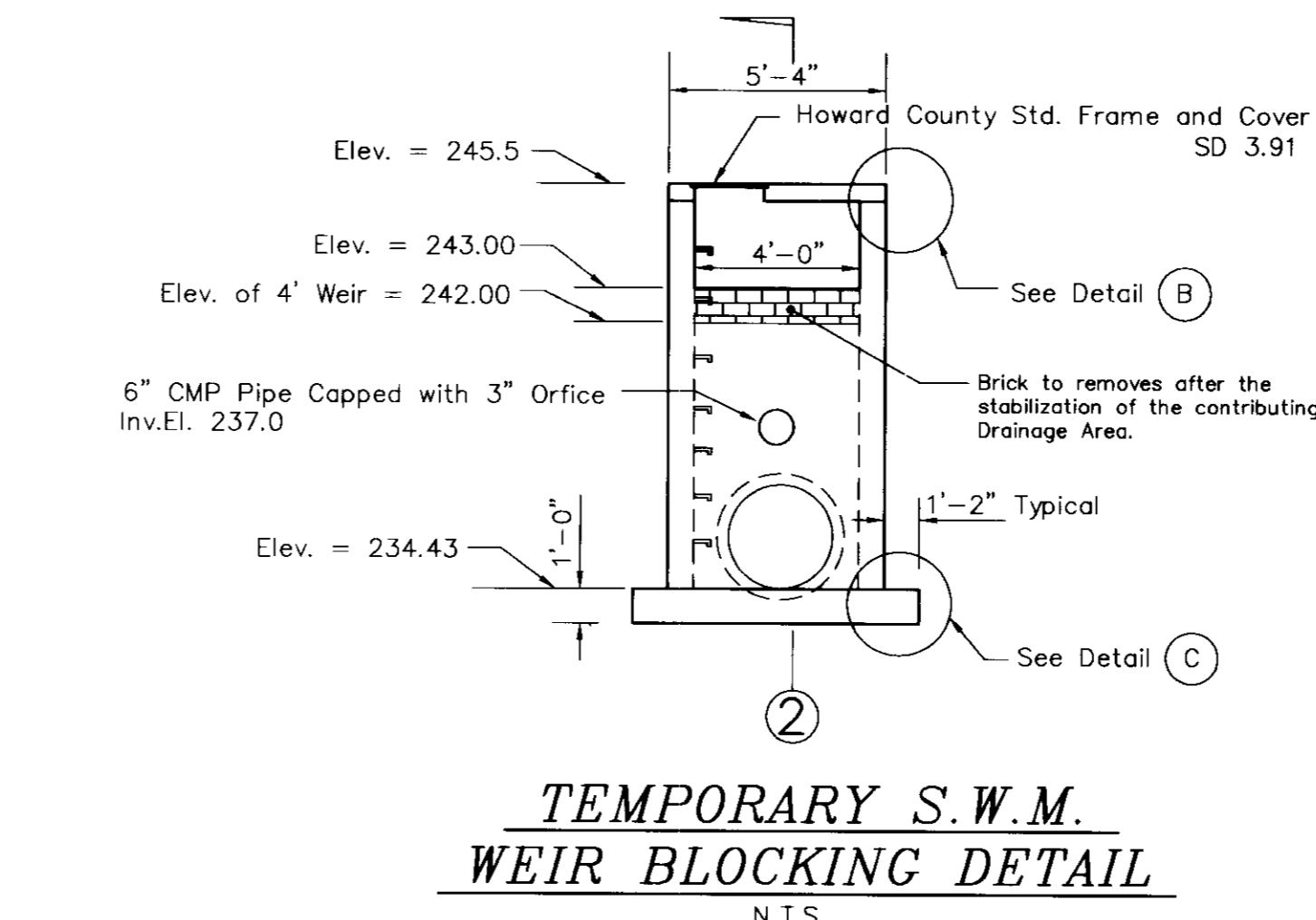
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



**ELEVATION**  
N.T.S.

**TOP SLAB DETAIL**  
N.T.S.

**TRASH RACK DETEIL**



**TEMPORARY S.W.M. WEIR BLOCKING DETAIL**  
N.T.S.

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

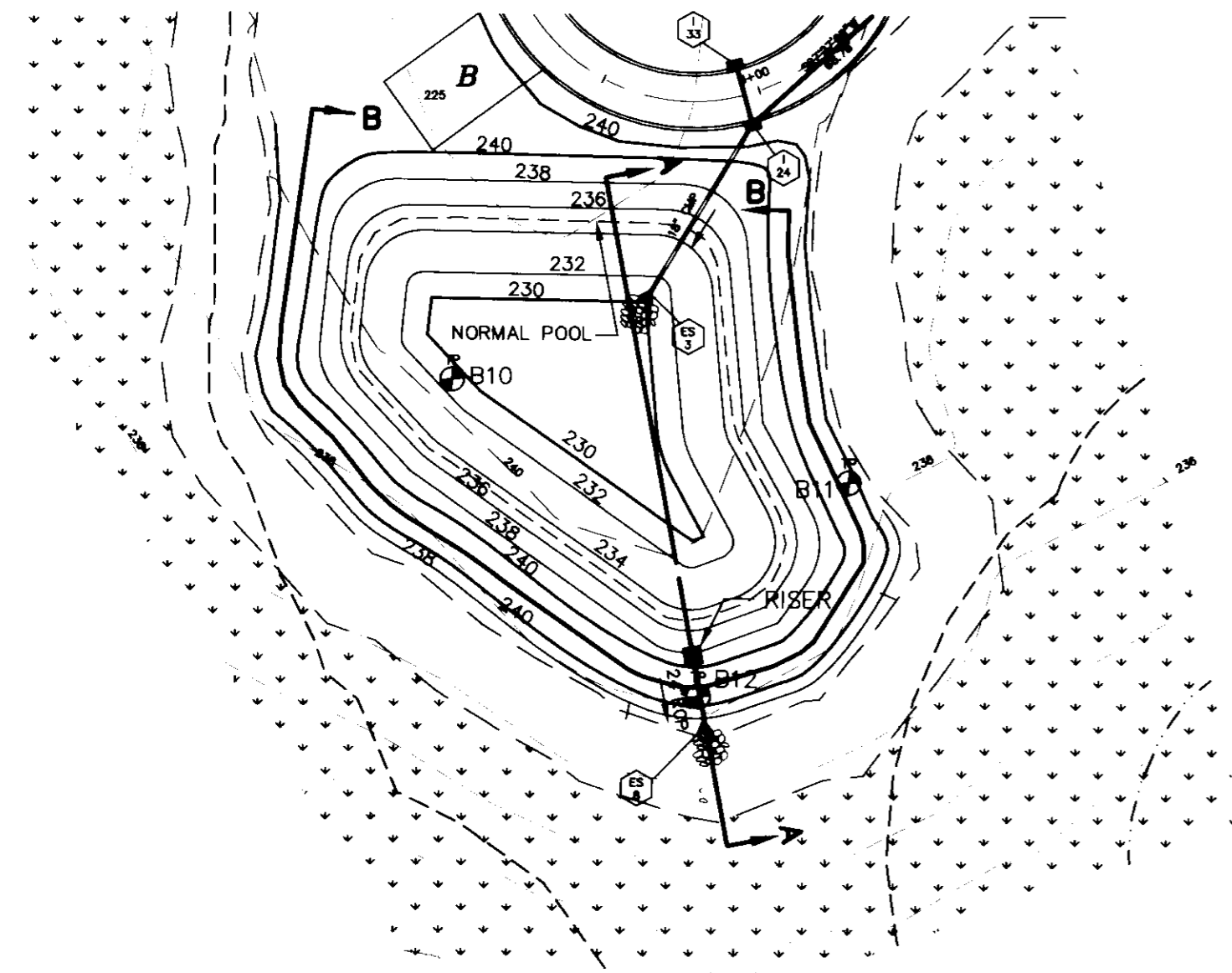
OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

DATE: JAN 96  
PROJECT: 94044  
DESCRIPTION: Engineering  
M.P.: J.H.  
SCOPE: APPROVED  
AS SHOWN J.H.

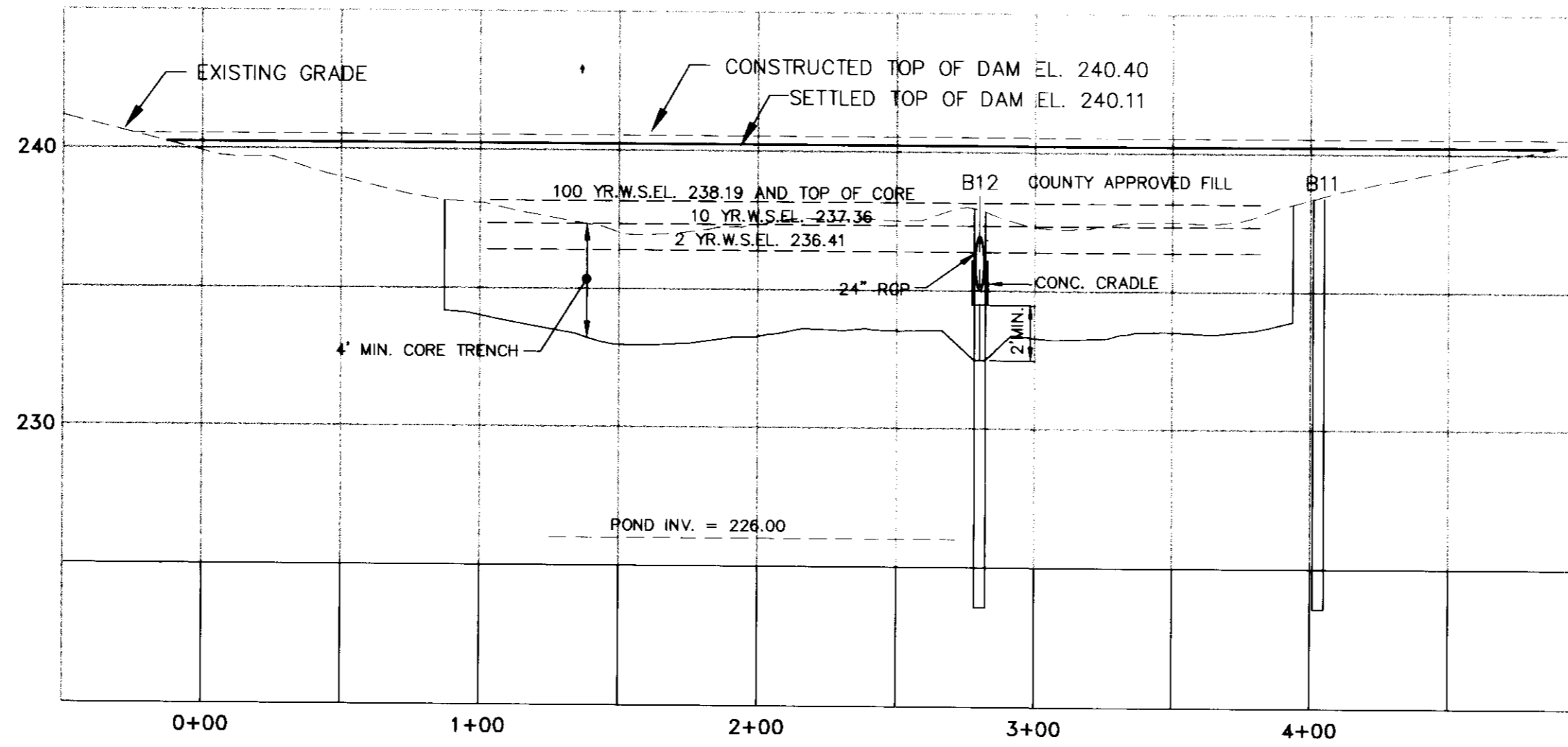
TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORMWATER MANAGEMENT PROFILES AND DETAILS

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5079 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0286 Fax. (301) 827-6521 Wash. (410) 997-0286 Fax.

23 OF 39  
SDP-96-20

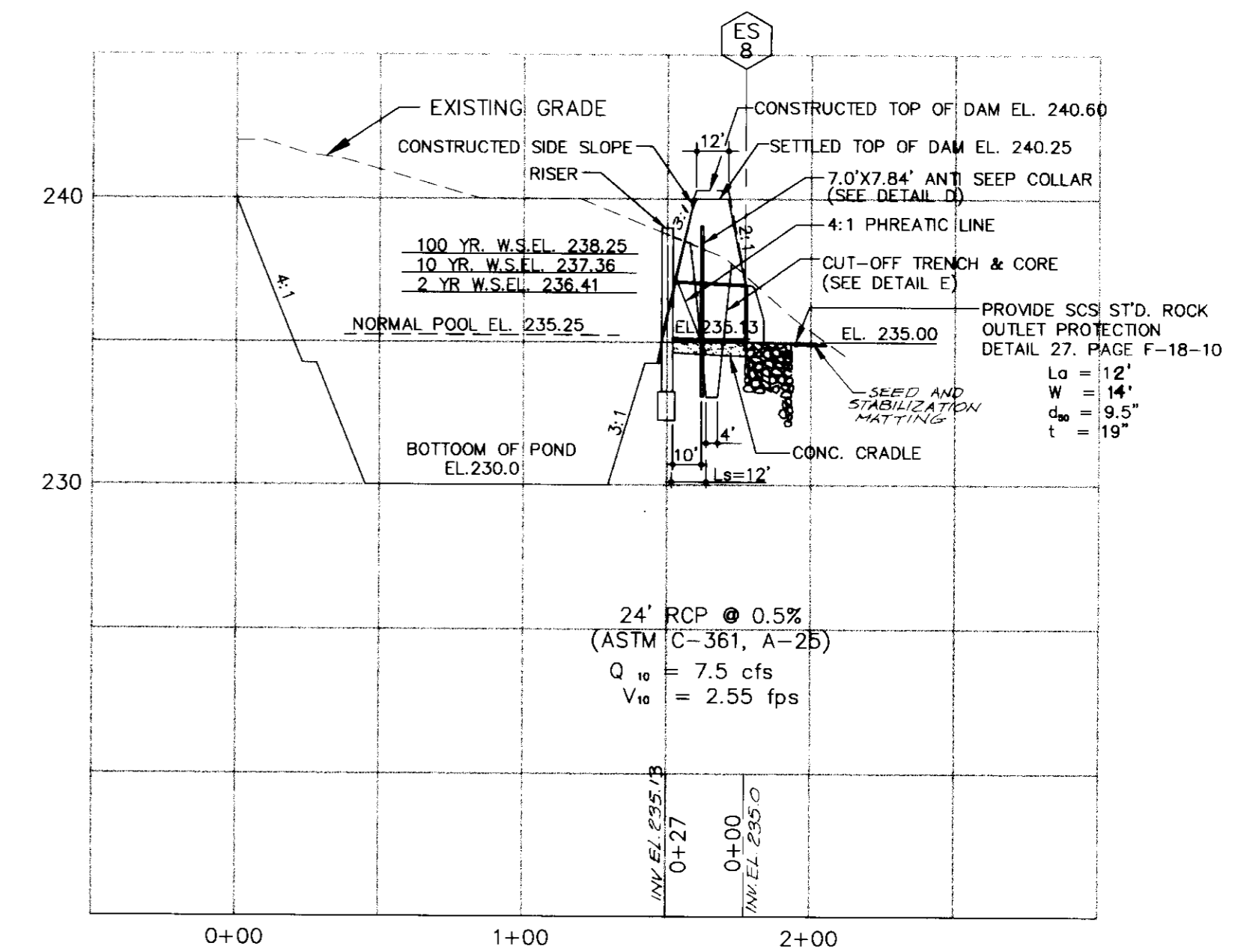


**POND - 2**  
SCALE: 1" = 50'



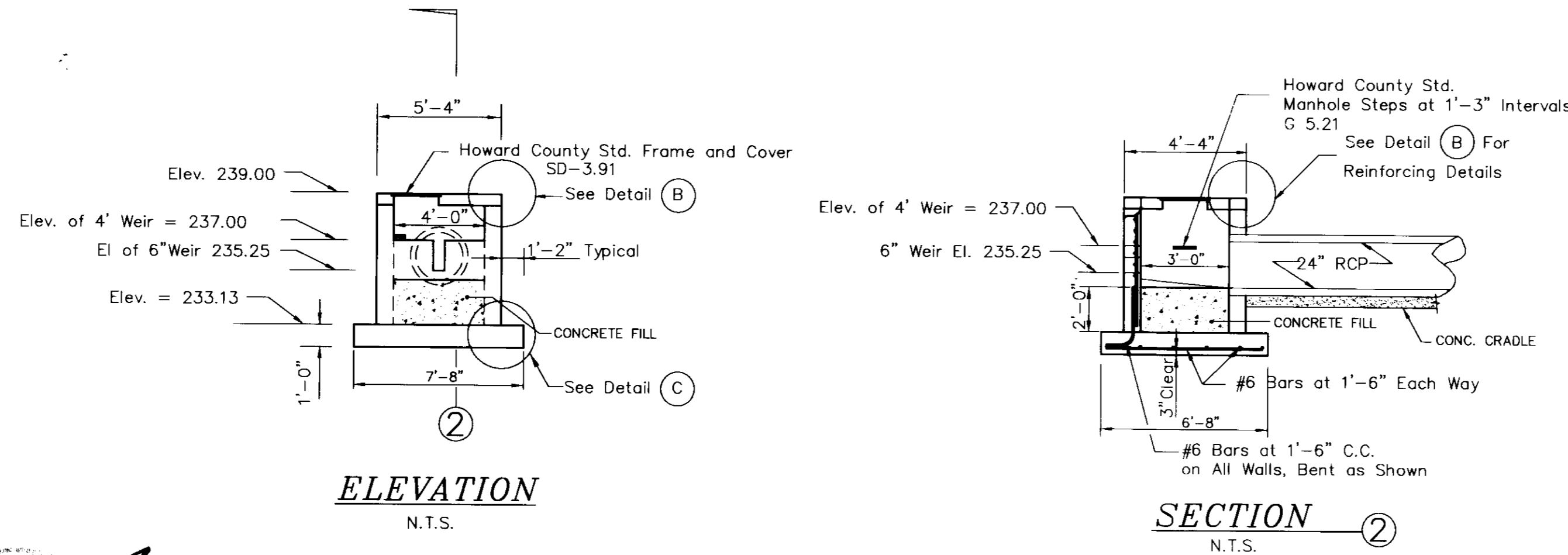
**CROSS SECTION B-B OF DAM ALONG CENTERLINE**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



**PROFILE - SECTION A-A POND 2**

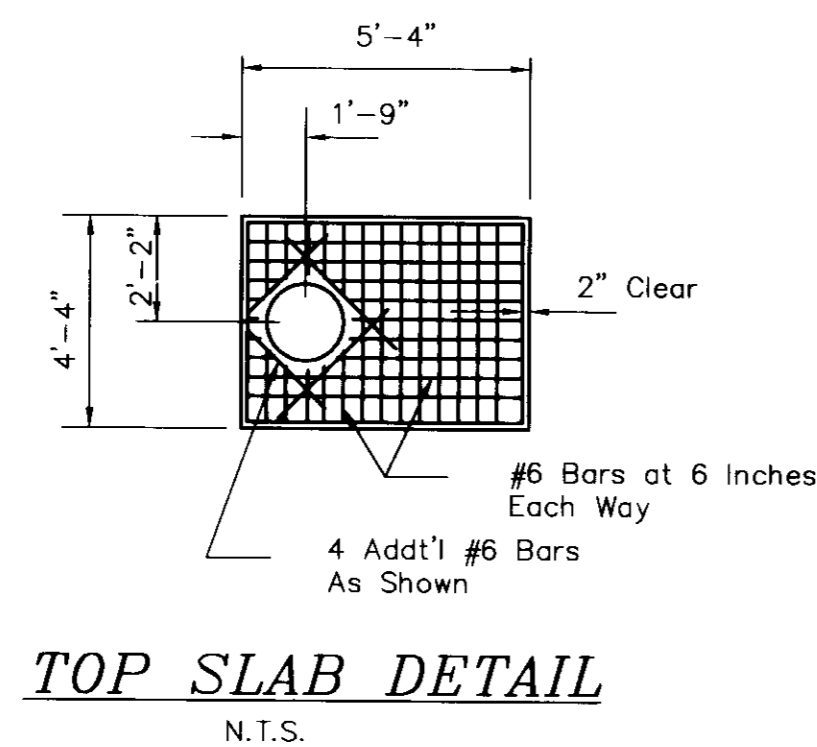
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'



**RAISER DETAILS**

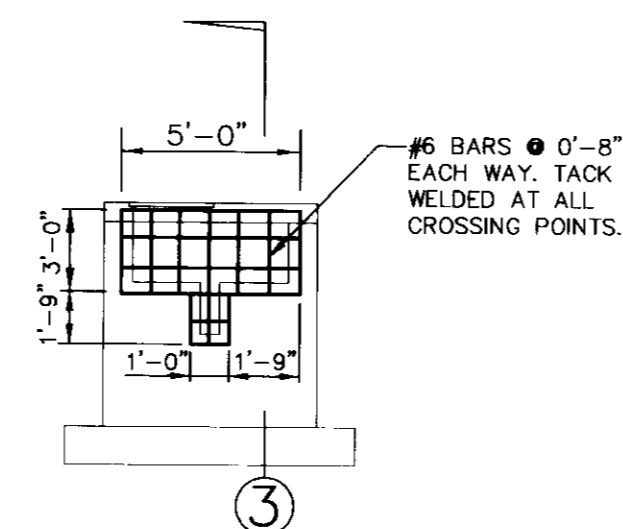
**POND 2 DATA**

HAZARD CLASSIFICATION "a"  
DRAINAGE AREA - 4.9 ACRES  
PROPOSED RCN - 88  
PROPOSED Tc - 0.15  
WATER QUALITY TYPE - RETENTION  
WET POOL EL. = 235.25  
2 YEAR STORM POOL EL. = 236.41, Q = 2.0 CFS  
10 YEAR STORM POOL EL. = 237.36, Q = 7.5 CFS  
100 YEAR STORM POOL EL. = 238.25, Q = 17.0 CFS  
REQUIRED WET STORAGE = 0.2 AC.FT.  
PROVIDED WET STORAGE = 1.35 AC.FT.



**TOP SLAB DETAIL**

N.T.S.



**TRASH RACK DETAIL**

N.T.S.

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCES CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/17/96  
F. WAYNE NEUSOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
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 IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCES CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/10/96  
R. JACOB HIKMA  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *[Signature]* DATE: 2/6/96  
USDA-NATURAL RESOURCES CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *[Signature]* DATE: 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE: *[Signature]* DATE: 3/10/96  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *[Signature]* DATE: 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96  
DIRECTOR

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RIE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
(410) 526-4030

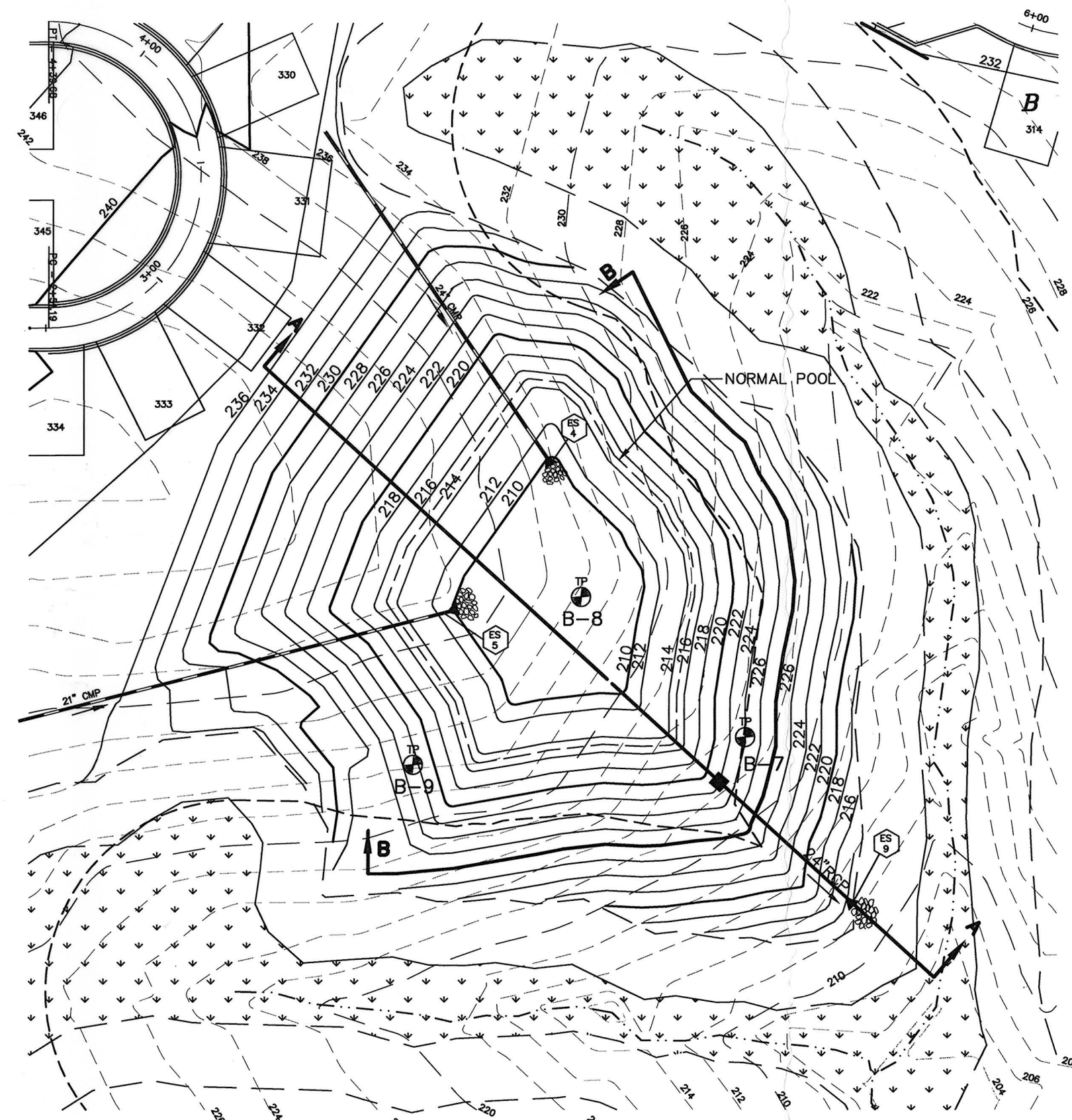
PROJECT: 94044  
DATE: JAN. 96  
DRAWN: M.P.  
CHECKED: J.H.  
APPROVED: AS SHOWN J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORMWATER MANAGEMENT PROFILES AND DETAILS

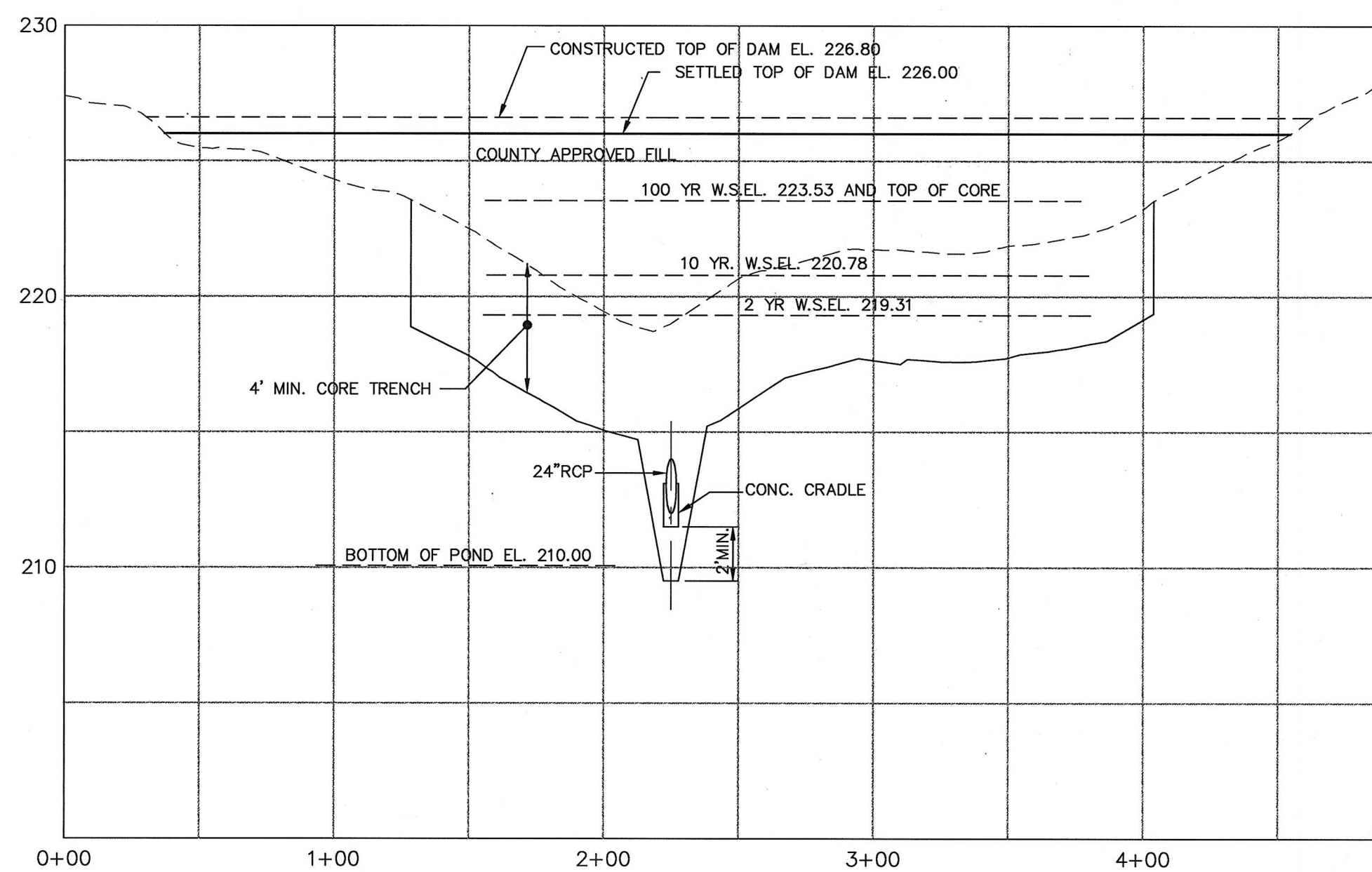
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0286 Fax: (301) 821-5827 Wash. (410) 997-0288 Fax.

24 OF 39  
SDP-96-20



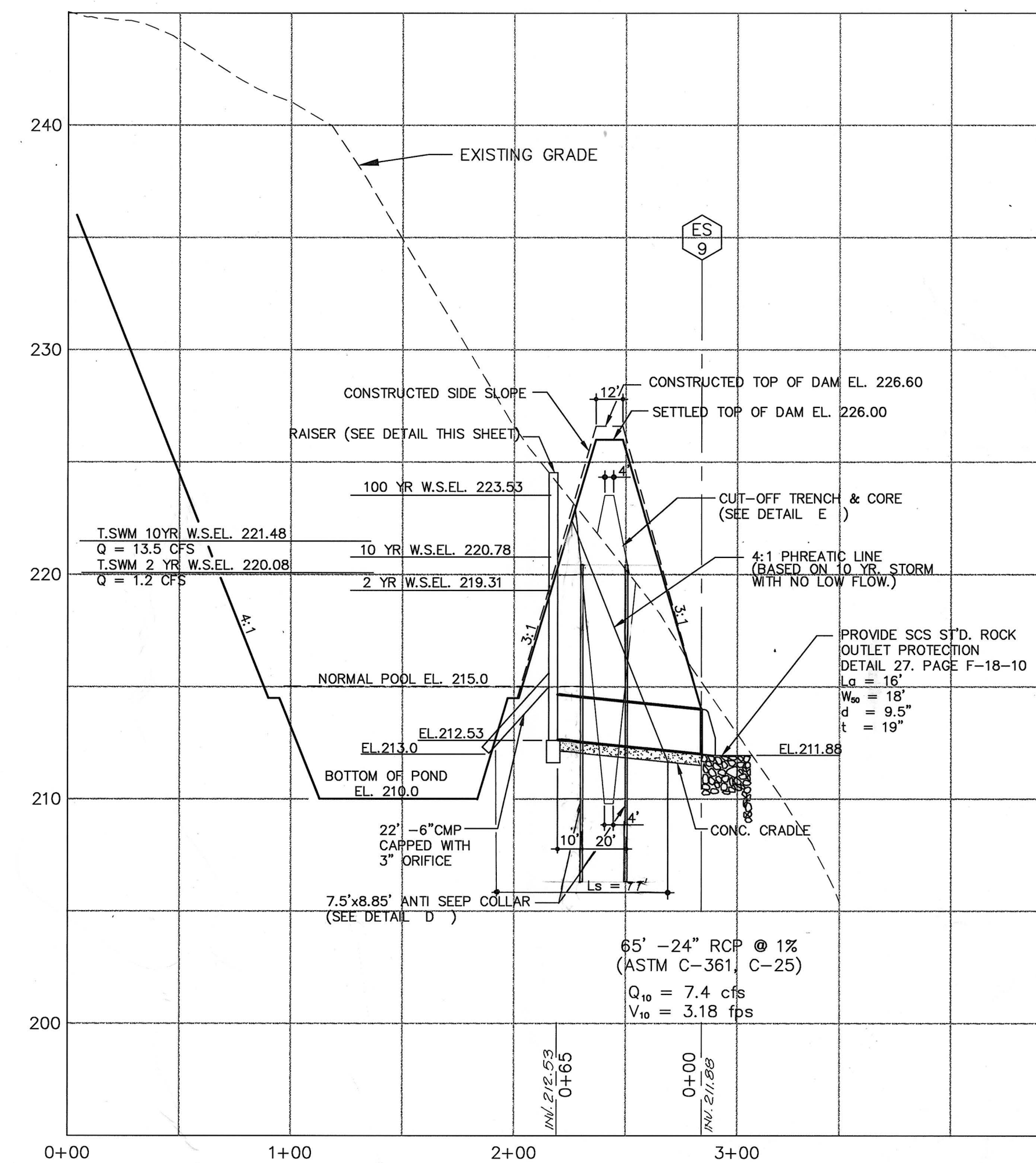


**POND - 3**  
SCALE: 1" = 50'



**SECTION B-B OF DAM ALONG CENTERLINE**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

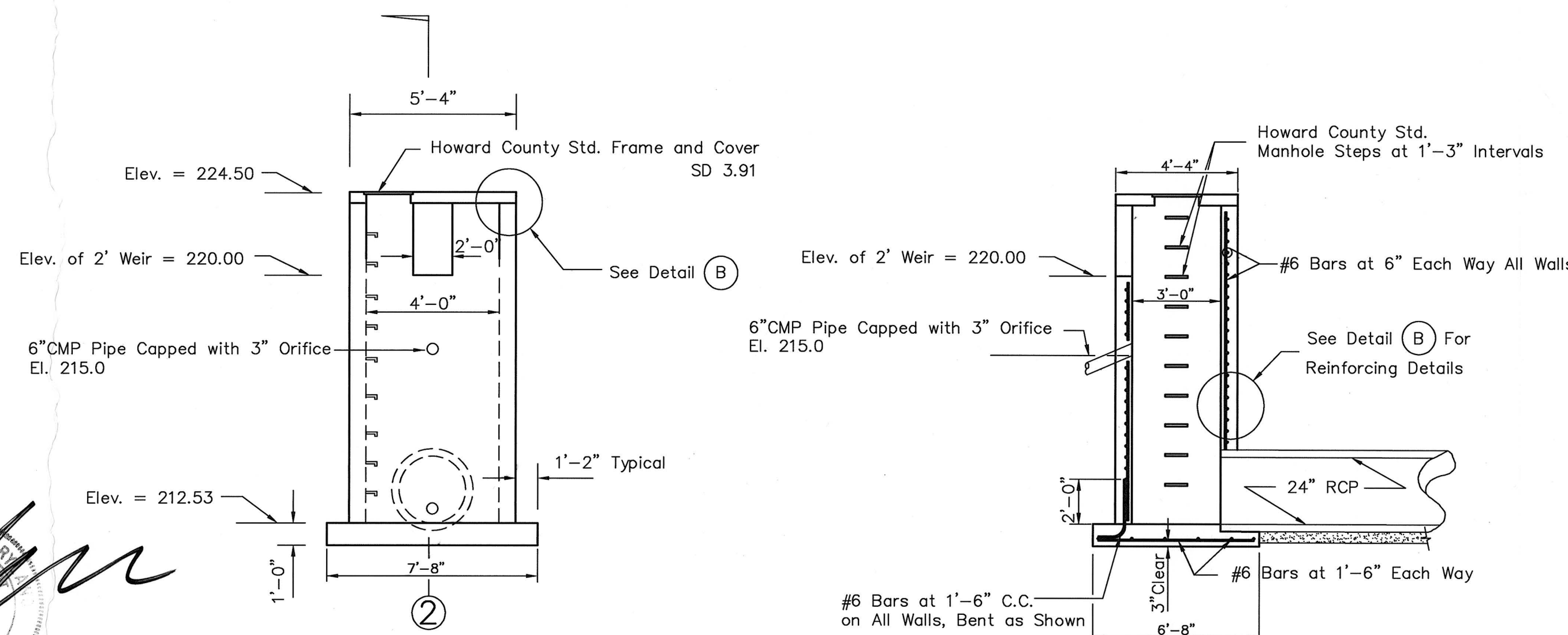


**PROFILE - SECTION A-A OF POND - 3**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

**POND 3 DATA**

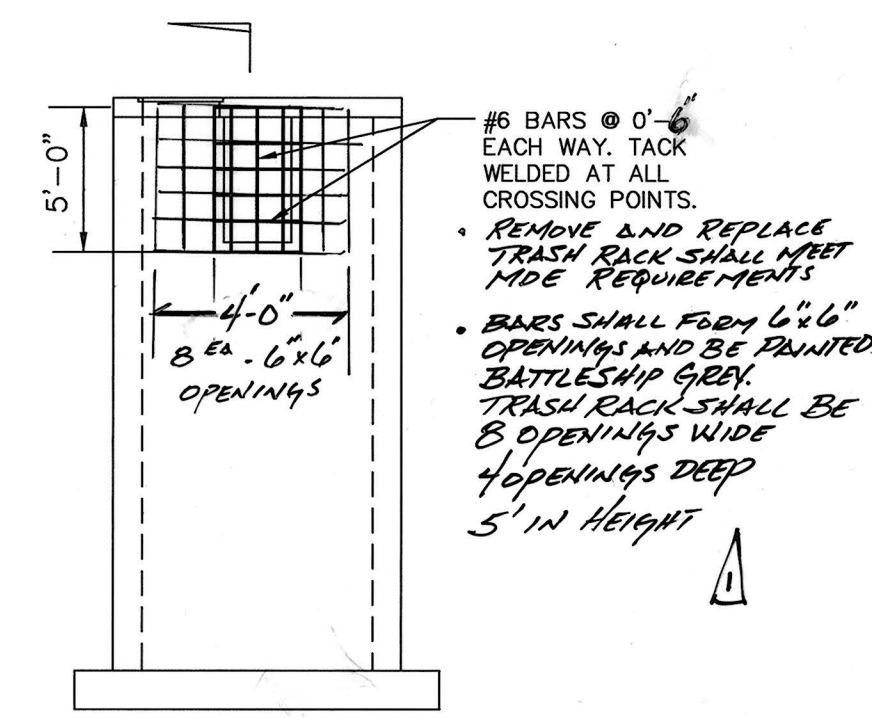
HAZARD CLASSIFICATION - "a"  
DRAINAGE AREA - 13.3 ACRES  
PROPOSED RCN - 86  
PROPOSED Tc - 0.16  
WATER QUALITY TYPE - RETENTION + EXTENDED DETENTION  
WET POOL EL. = 215.00  
2 YEAR STORM POOL EL. = 219.31 Q = 0.5 CFS  
10 YEAR STORM POOL EL. = 220.78 Q = 7.4 CFS  
100 YEAR STORM POOL EL. = 223.53 Q = 42.2 CFS  
REQUIRED WET STORAGE = 0.55 AC.FT.  
PROVIDED WET STORAGE = 0.75 AC.FT.



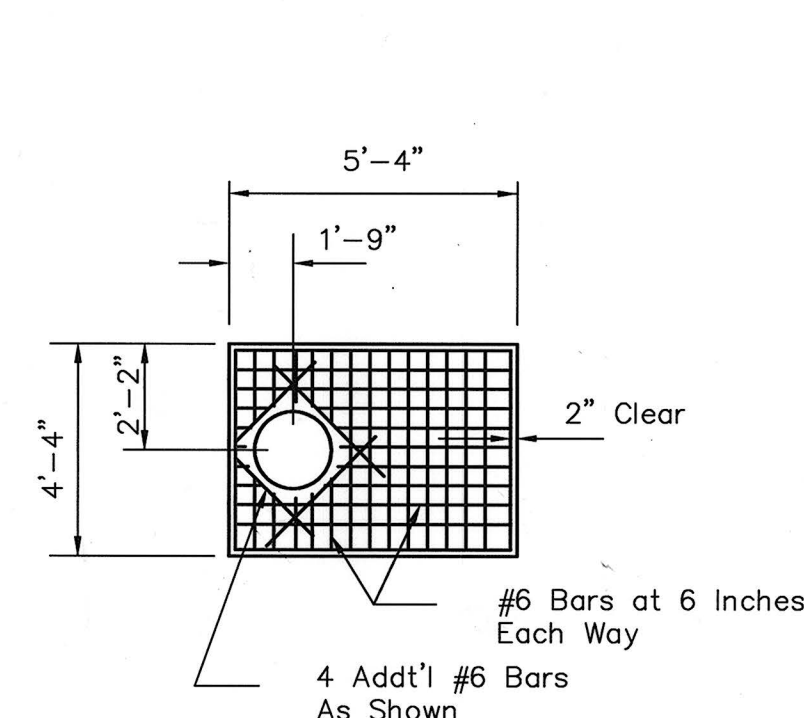
**RISER DETAILS**

**ELEVATION**  
N.T.S.

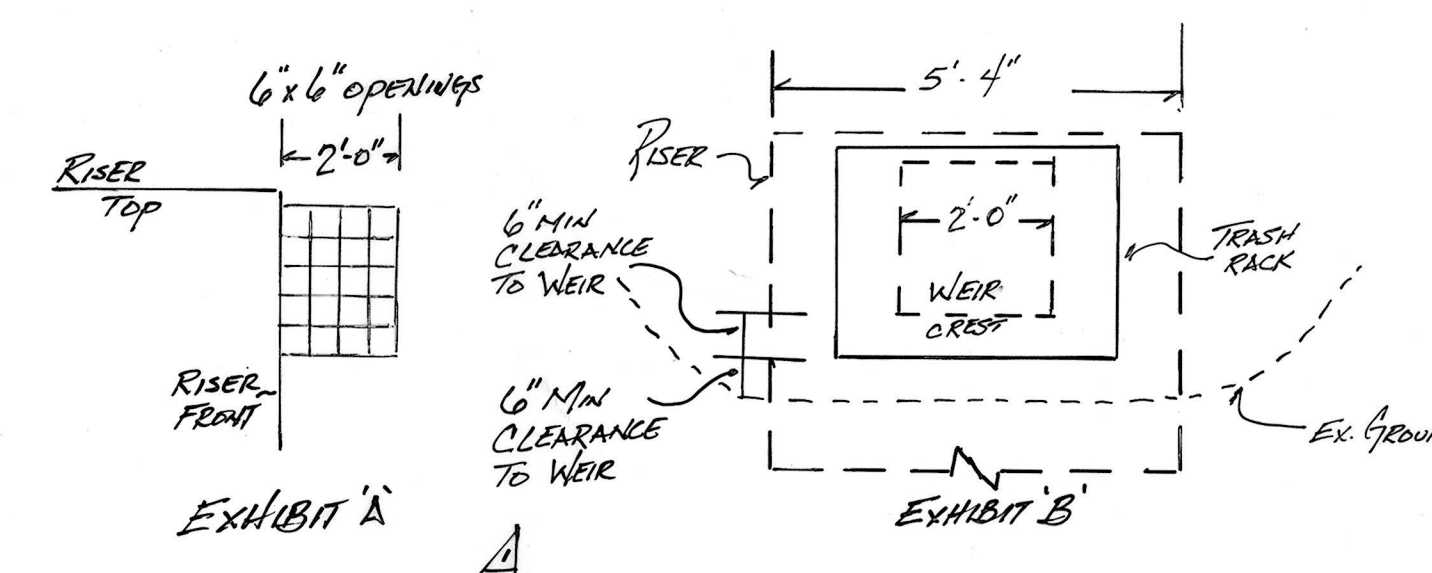
**SECTION ②**  
N.T.S.



**ELEVATION OF TRASH RACK**  
N.T.S.



**TOP SLAB DETAIL**  
N.T.S.



FOR REVISION 1 ONLY

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.  
Signature of Developer: R. WAYNE NEWSOME  
Date: 1/18/96

**ENGINEER'S CERTIFICATE**  
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 NATURAL RESOURCE CONSERVATION SERVICE.  
Signature of Engineer: R. JACOB HIKMAT  
Date: 1/14/96

THESE PLANS HAVE BEEN REVIEWED FOR THE NATURAL RESOURCE CONSERVATION SERVICE AND MEET TECHNICAL REQUIREMENTS.  
Signature: Patricia Engle  
Date: 2/6/96

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE NATURAL RESOURCE CONSERVATION SERVICE.  
Signature: Robert W. Zihm  
Date: 2/6/96

AS BUILT CERTIFICATION

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Signature: [Signature]  
Date: 3/12/96

Signature: [Signature]  
Date: 3/14/96

No.	REVISION	DATE
1	REVISE TRASH RACK DIMENSIONS	11/20/93

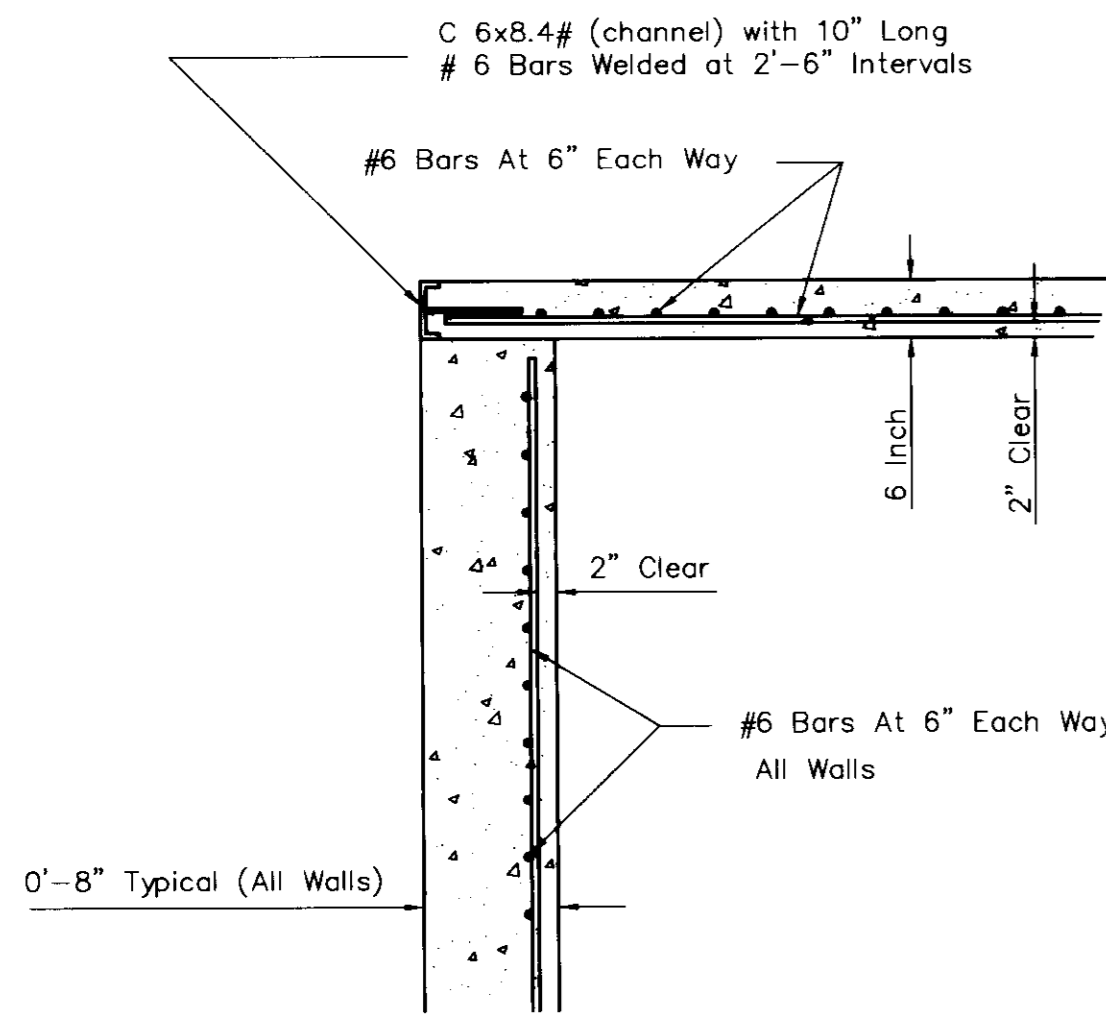
THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS.

Project: 94044  
Illustration: M.P.  
Date: JAN 96  
Scale: AS SHOWN  
Approval: J.H.

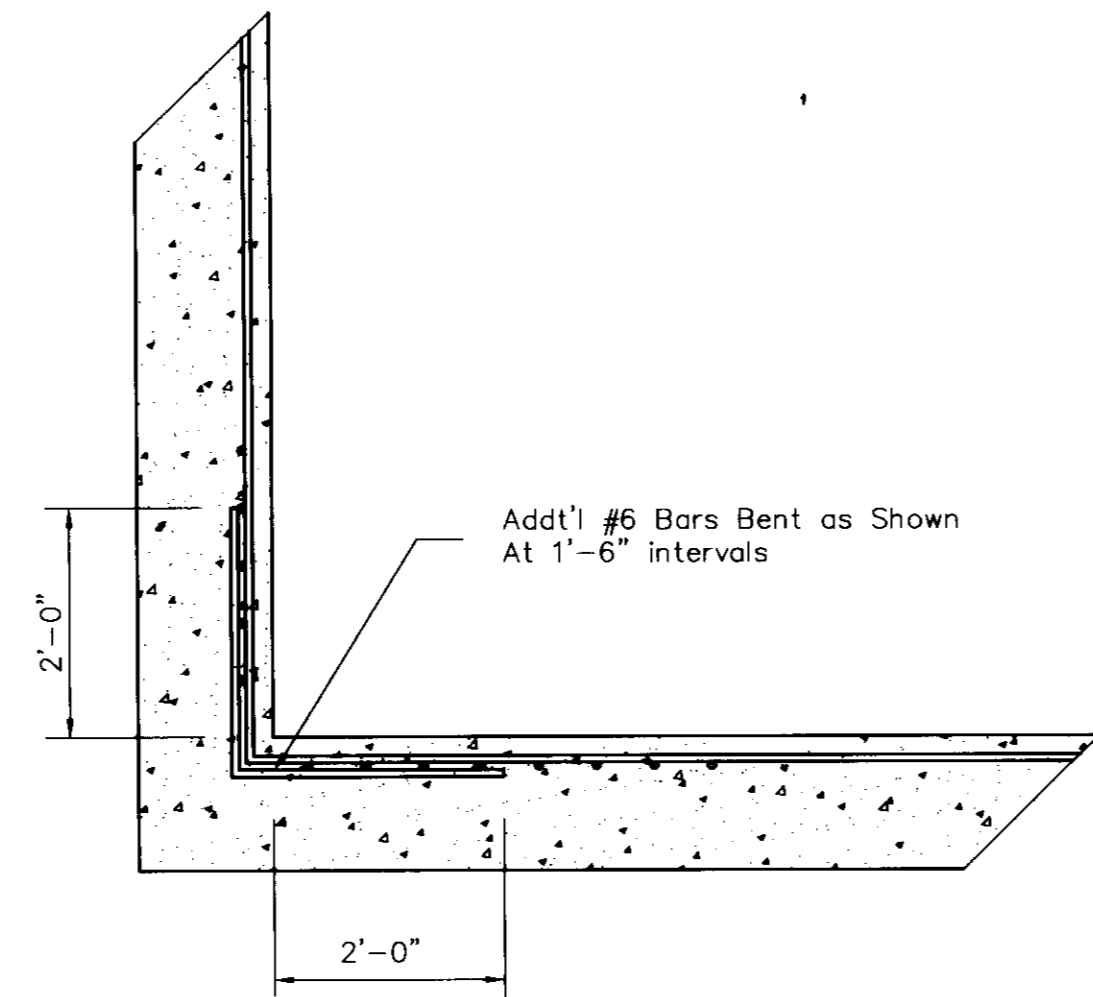
TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
STORMWATER MANAGEMENT PROFILES AND DETAILS

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Beltsville, Maryland 21042  
(410) 987-0298 Fax. (301) 621-5521 Wash. (410) 997-0298 Fax.

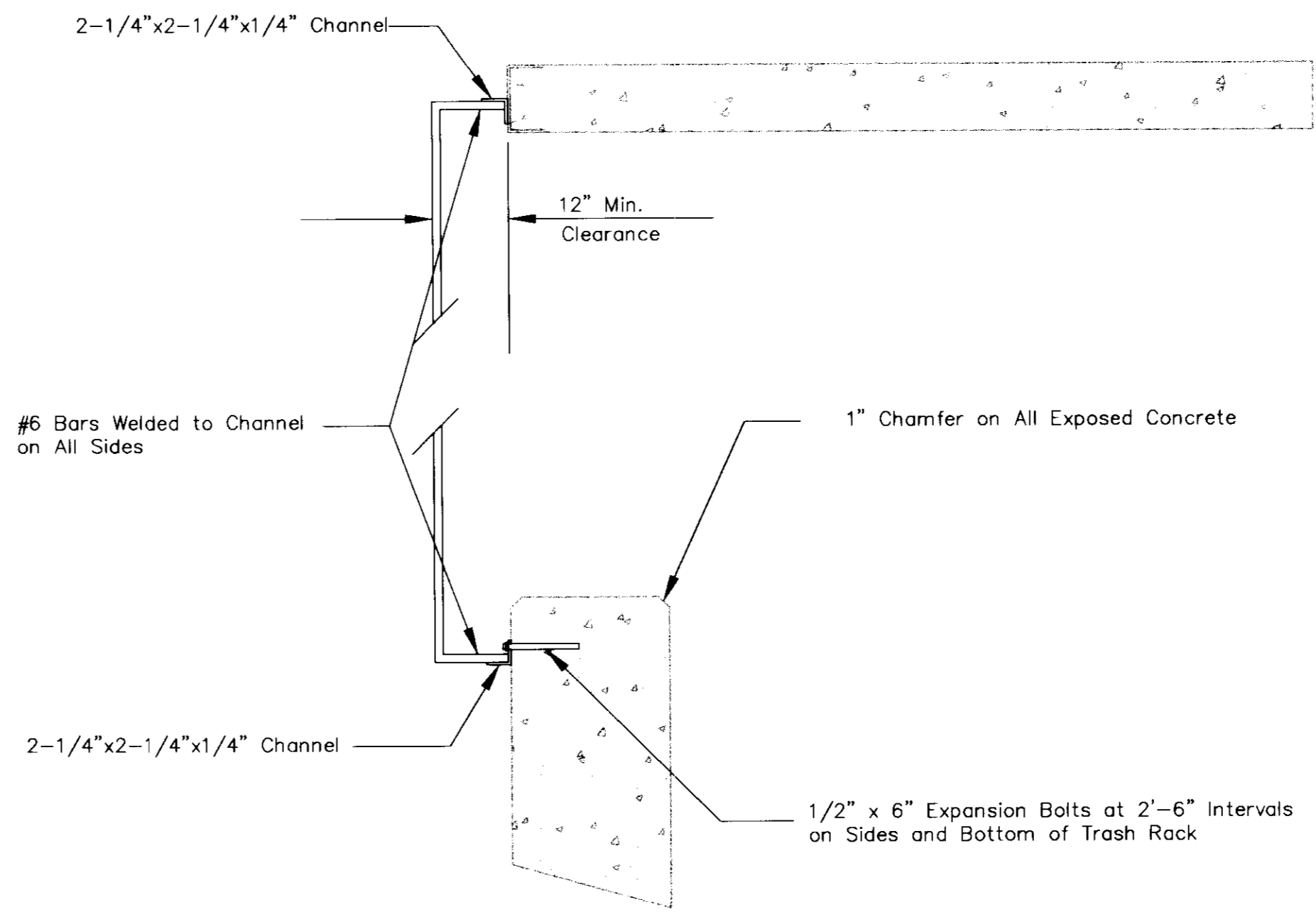
25 OF 39  
SDP-96-20



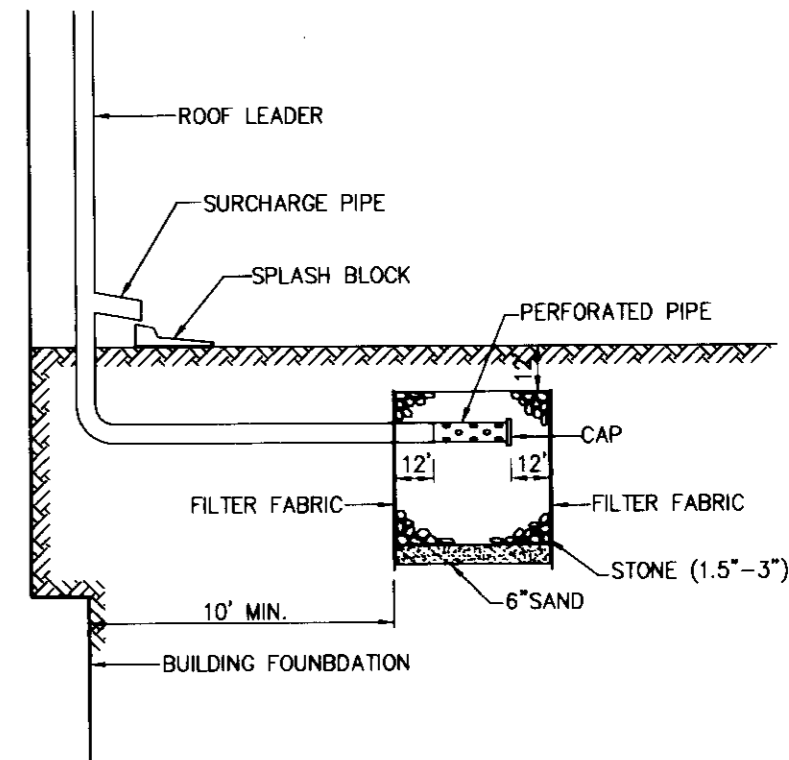
DETAIL B  
N.T.S.



CORNER TREATMENT DETAIL C  
N.T.S.



SECTION 3  
N.T.S.

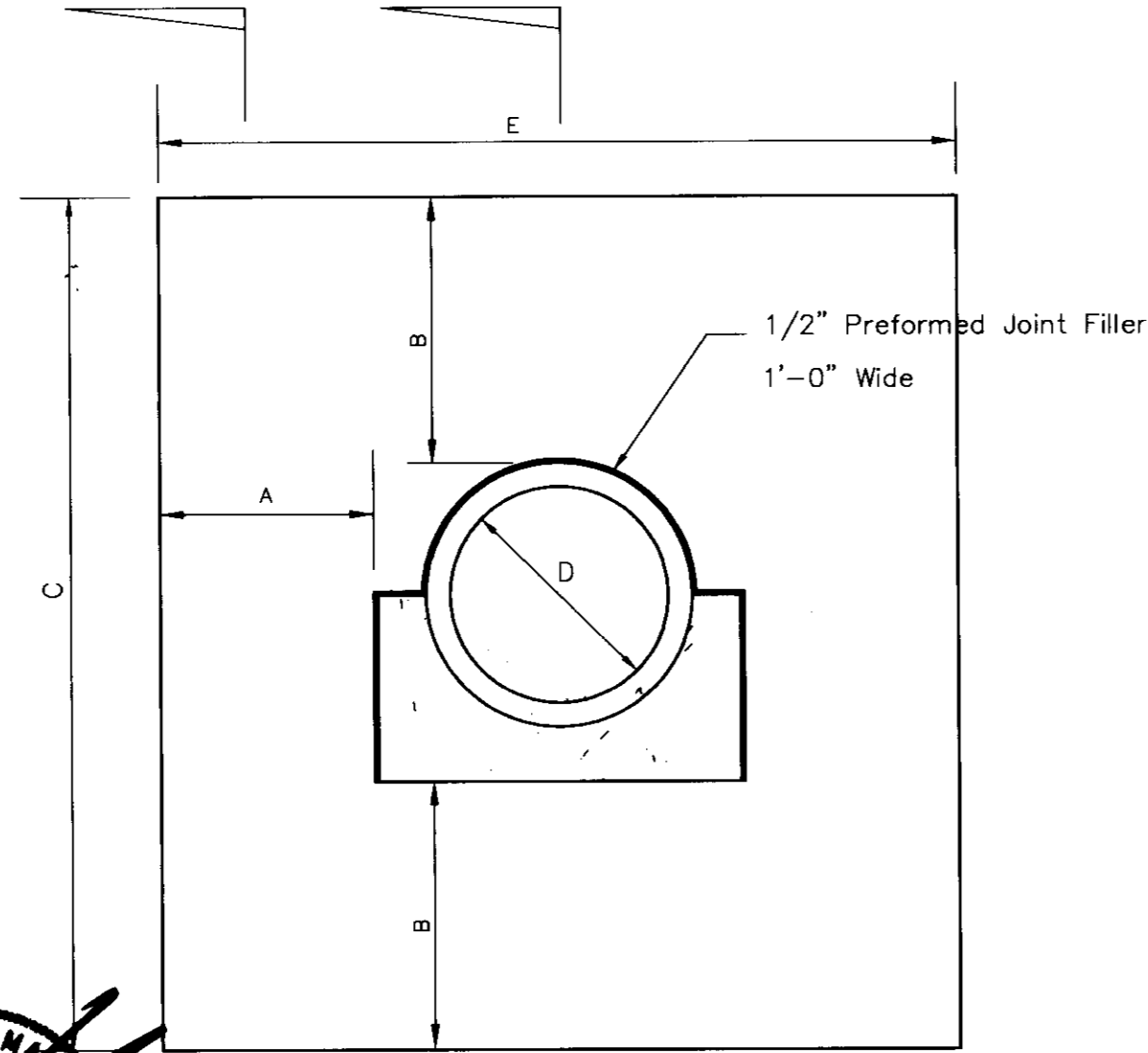


4'x4'x4' DRY WELL  
TYP. DETAIL  
N.T.S.

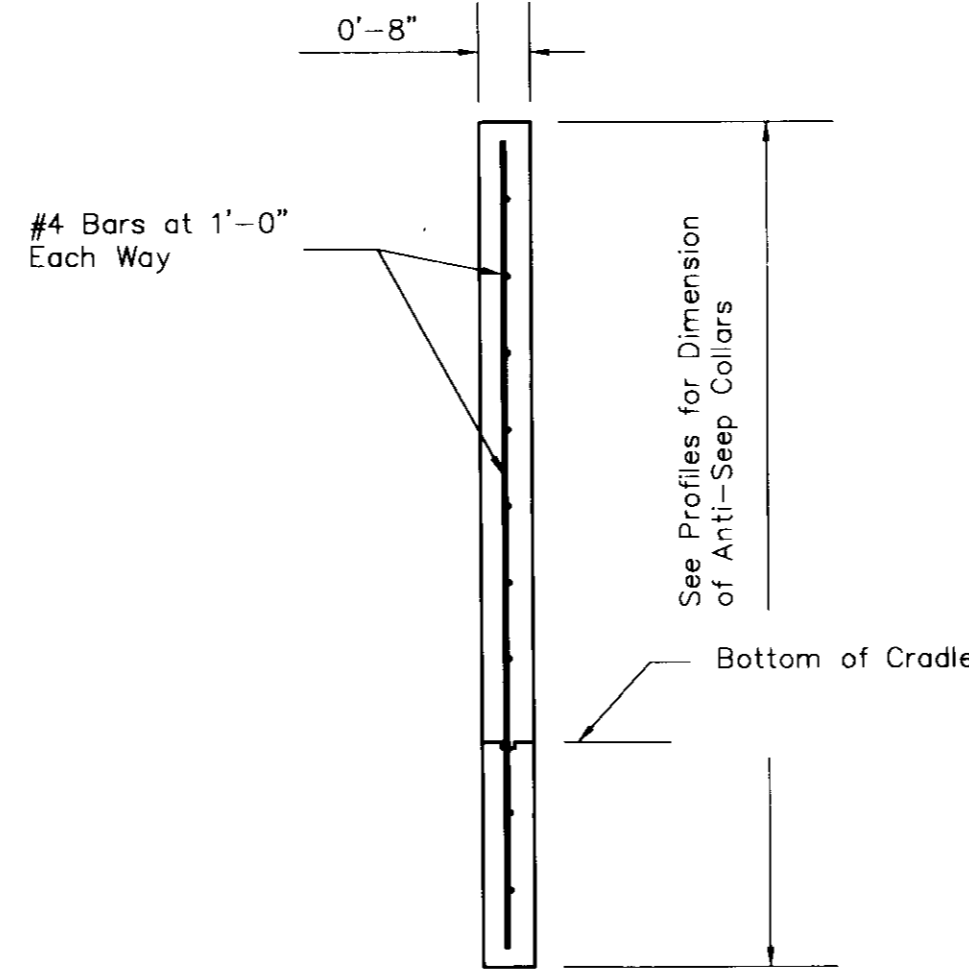
NOTE:  
DRY WELL ARE TO BE CONSTRUCTED FOR PADS:  
96 - 99, 154, 164 - 178, 218 - 221, 301 - 316  
368 - 374, 377 - 383, 404 - 416.

ANTI-SEEP COLLAR SCHEDULE

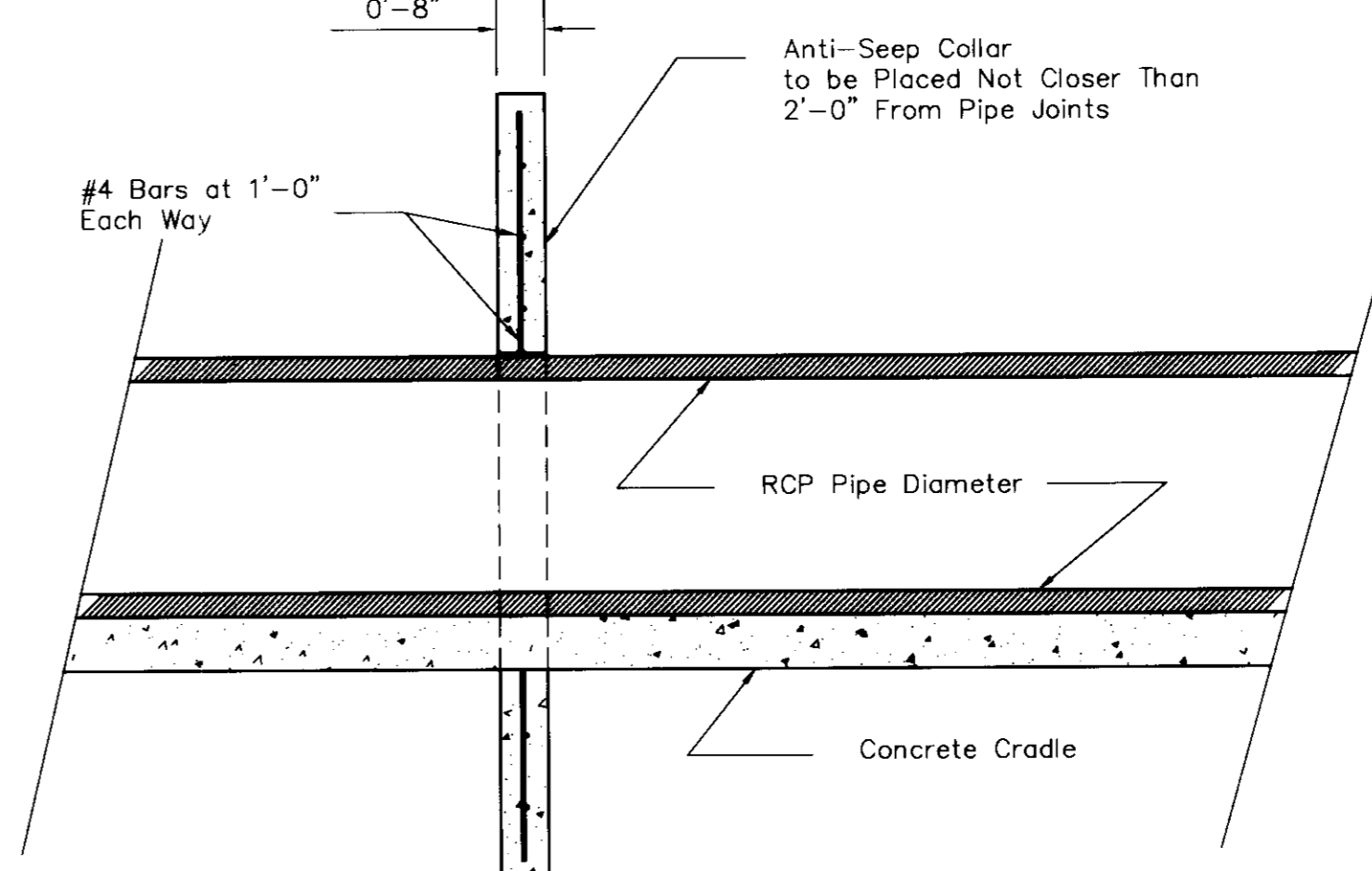
POND	A	B	C	D	E
1	5.7'	5.7'	15.8'	36"	16.46'
2	2.0'	2.0'	7.0'	24"	7.84'
3	5.7'	5.7'	14.4'	24"	15.3'



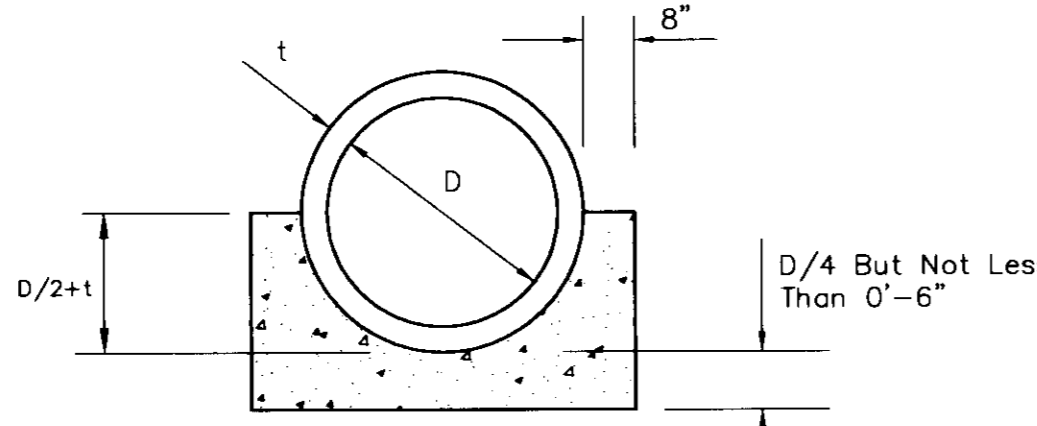
ANTI-SEEP COLLAR DETAIL D  
N.T.S.



SECTION 4  
N.T.S.



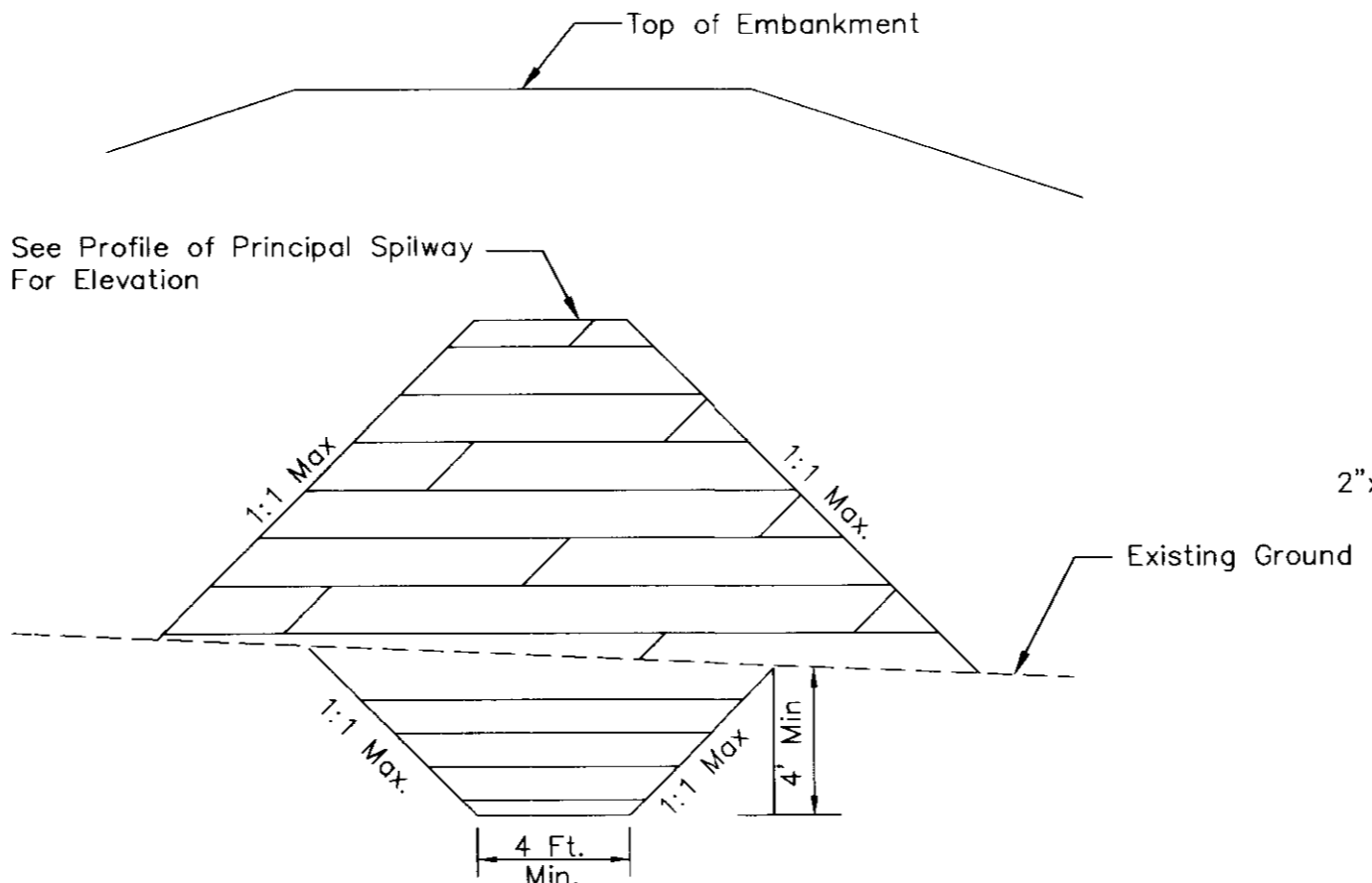
SECTION 5  
N.T.S.



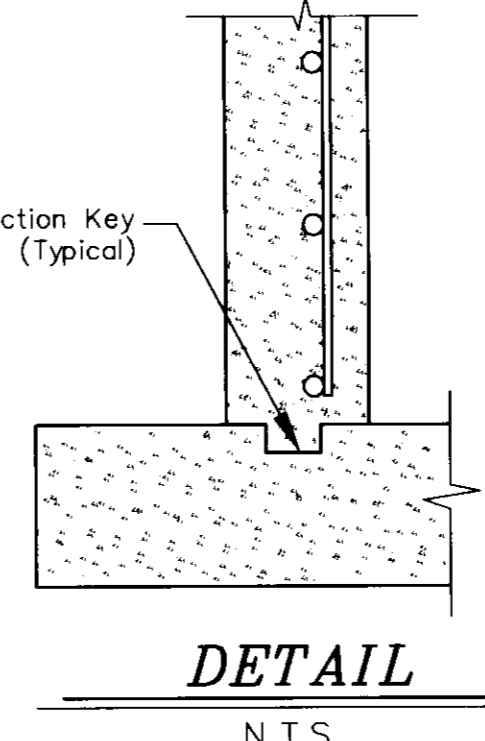
DETAIL OF CONCRETE CRADLE  
N.T.S.

CONCRETE CRADLE SCHEDULE

POND	D	t	D/4
1	36"	4"	9"
2	24"	3"	6"
3	24"	3"	6"



CORE TRENCH DETAIL E  
N.T.S.



DETAIL  
N.T.S.

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 1/19/96  
R. MATHE NEWMOME  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 2/19/96  
R. JACOB HIKMA  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *[Signature]* DATE: 2/16/96  
PATRICIA COLEMAN  
USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

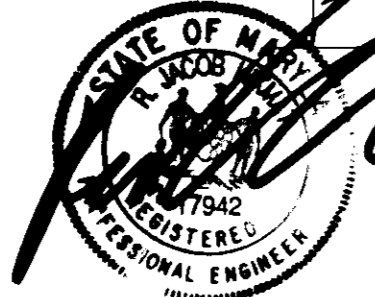
Signature: *[Signature]* DATE: 2/16/96  
Robert W. Johnson  
HOWARD SOIL CONSERVATION DISTRICT

**AS BUILT CERTIFICATION**

ENGINEER'S SIGNATURE: *[Signature]* DATE: 3/1/96  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *[Signature]* DATE: 3/12/96  
Aime Summers  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96  
DIRECTOR

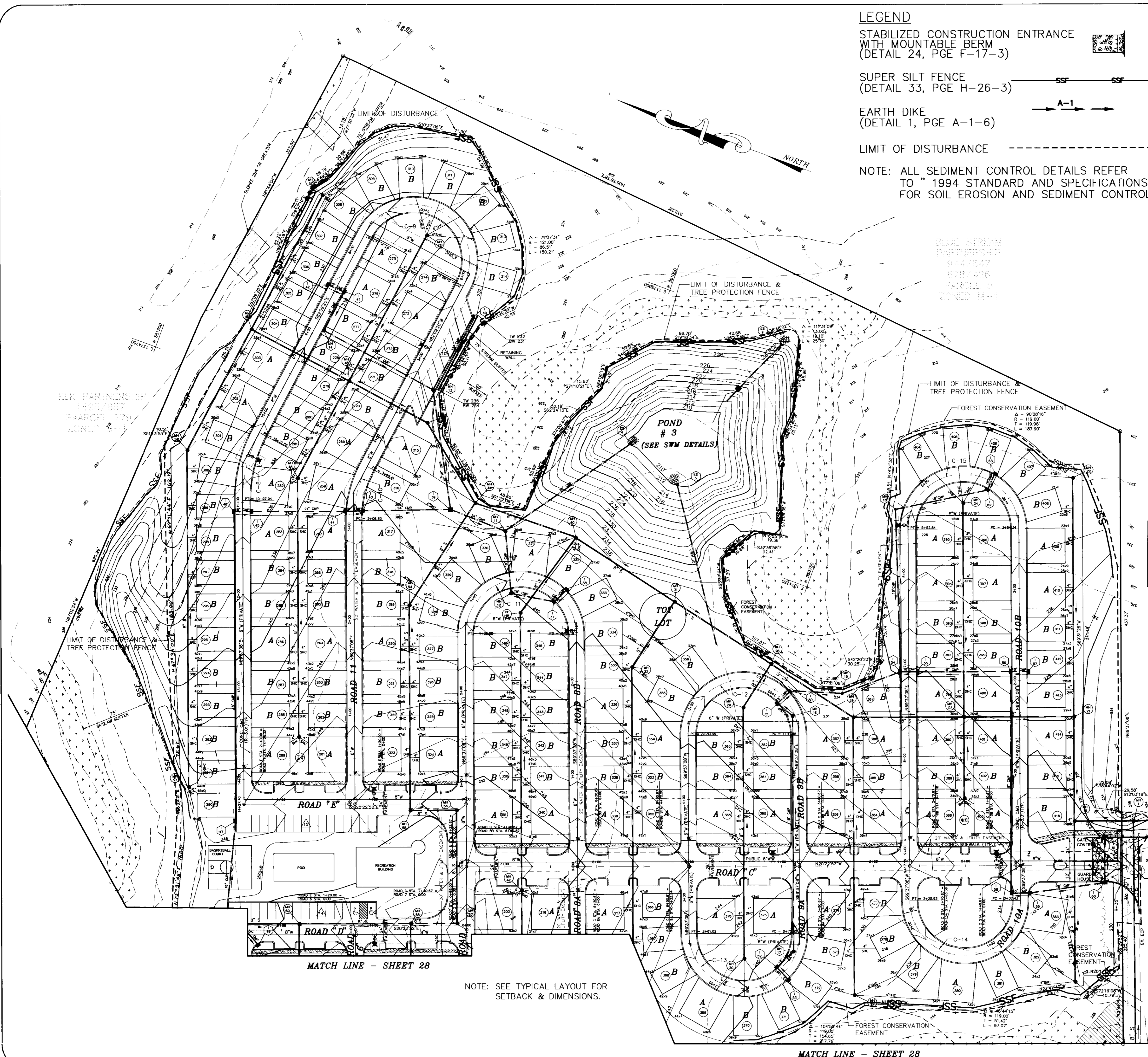


DATE	JAN 96
PROJECT	94044
ILLUSTRATION	M.P.
SCORE	N.T.S.
ENGINEERING	J.H.
APPROVAL	J.H.

NO.	
DESCRIPTION	
REVISIONS	
DATE	

TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
HOWARD COUNTY  
1ST. ELECTION DISTRICT  
STORMWATER MANAGEMENT DETAILS

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5022 Hershey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax: (301) 621-5521 West: (410) 997-0298 Fax



**LEGEND**

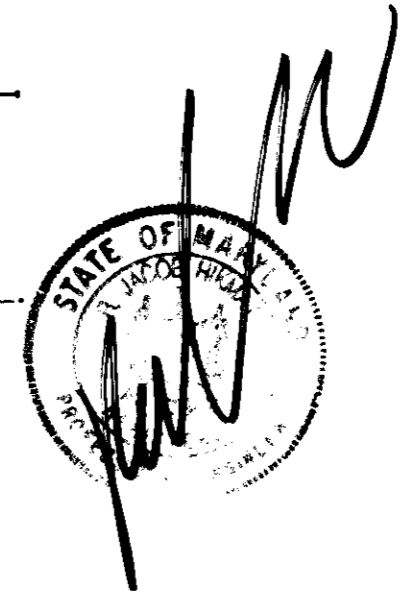
STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM (DETAIL 24, PGE F-17-3)

SUPER SILT FENCE (DETAIL 33, PGE H-26-3)

EARTH DIKE (DETAIL 1, PGE A-1-6)

LIMIT OF DISTURBANCE

NOTE: ALL SEDIMENT CONTROL DETAILS REFER TO "1994 STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL"



ELK PARTNERSHIP  
1485/657  
PARCEL 278  
ZONED M-1

BLUE STREAM PARTNERSHIP  
844/647  
878/406  
PARCEL 5  
ZONED M-1

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING, AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

PORT CAPITAL CENTER SECTION 1  
678/19  
ZONED M-1

**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATED 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Developer: *[Signature]* DATE: 1/18/96

Printed Name of Developer: **P. JACOB NEWMAN**

---

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Engineer: *[Signature]* DATE: 1/10/96

Printed Name of Engineer: **R. JACOB HIKMAT**

---

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *[Signature]* DATE: 2/6/96

USDA-NATURAL RESOURCE CONSERVATION SERVICE

---

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *[Signature]* DATE: 2/6/96

HOWARD SOIL CONSERVATION DISTRICT

---

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *[Signature]* DATE: 3/6/96

CHEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *[Signature]* DATE: 3/12/96

CHEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Signature: *[Signature]* DATE: 3/14/96

DIRECTOR

**OWNER/DEVELOPER**

RTI 175 LIC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
EROSION & SEDIMENT CONTROL PLAN

1ST ELECTION DISTRICT HOWARD COUNTY

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax

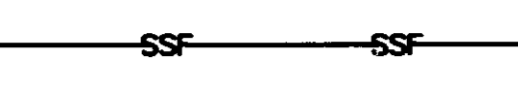
27 OF 39  
SDP-96-20

**LEGEND**

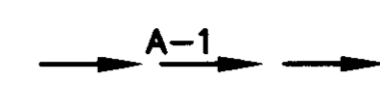
STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM (DETAIL 24, PGE F-17-3)



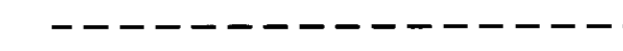
SUPER SILT FENCE (DETAIL 33, PGE H-26-3)



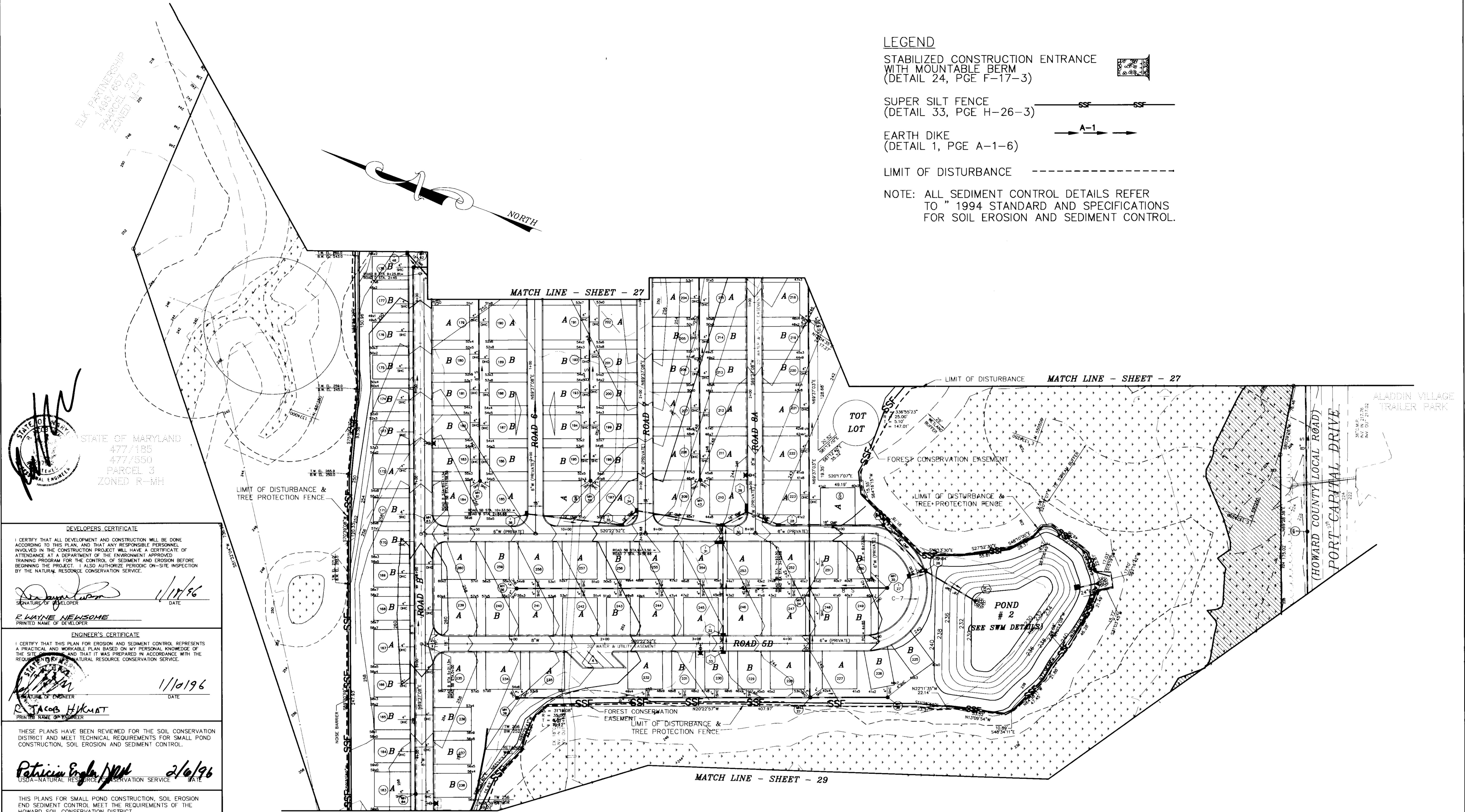
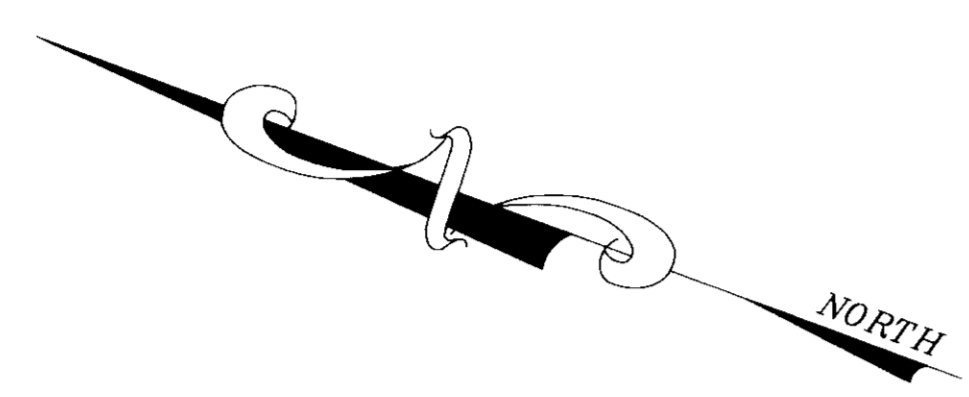
EARTH DIKE (DETAIL 1, PGE A-1-6)



LIMIT OF DISTURBANCE



NOTE: ALL SEDIMENT CONTROL DETAILS REFER TO " 1994 STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



STATE OF MARYLAND  
477/185  
477/850  
PARCEL 3  
ZONED R-MH

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/17/96  
DATE

**E WAYNE NEWSOME**  
PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
DATE

**JACOB HUKMAT**  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/6/96  
DATE

**PATRICIA ENGLISH**  
USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/6/96  
DATE

**ROBERT W. ZILBERMAN**  
HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 3/6/96  
DATE

**CHIEF, DEVELOPMENT ENGINEERING DIVISION**

*[Signature]* 3/12/96  
DATE

**CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH**

*[Signature]* 3/14/96  
DATE

**DIRECTOR**

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERSTOWN, MARYLAND 21136  
(410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
HOWARD COUNTY  
1ST ELECTION DISTRICT  
EROSION & SEDIMENT CONTROL PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 987-0298 Balt. (301) 621-5527 Wash. (410) 997-0298 Fax

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*E. Lavine Newsome* 1/18/96  
 SIGNATURE OF DEVELOPER DATE  
 E. LAVINE NEWSOME  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. J. Jacobs* 1/16/96  
 SIGNATURE OF ENGINEER DATE  
 R. JACOB, H.V. MAT  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engle* 2/6/96  
 SIGNATURE OF ENGINEER DATE  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Ziemann* 2/6/96  
 SIGNATURE OF ENGINEER DATE  
 AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 3/16/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*[Signature]* 2/14/96  
 DIRECTOR DATE

**LEGEND**

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM (DETAIL 24, PGE F-17-3)

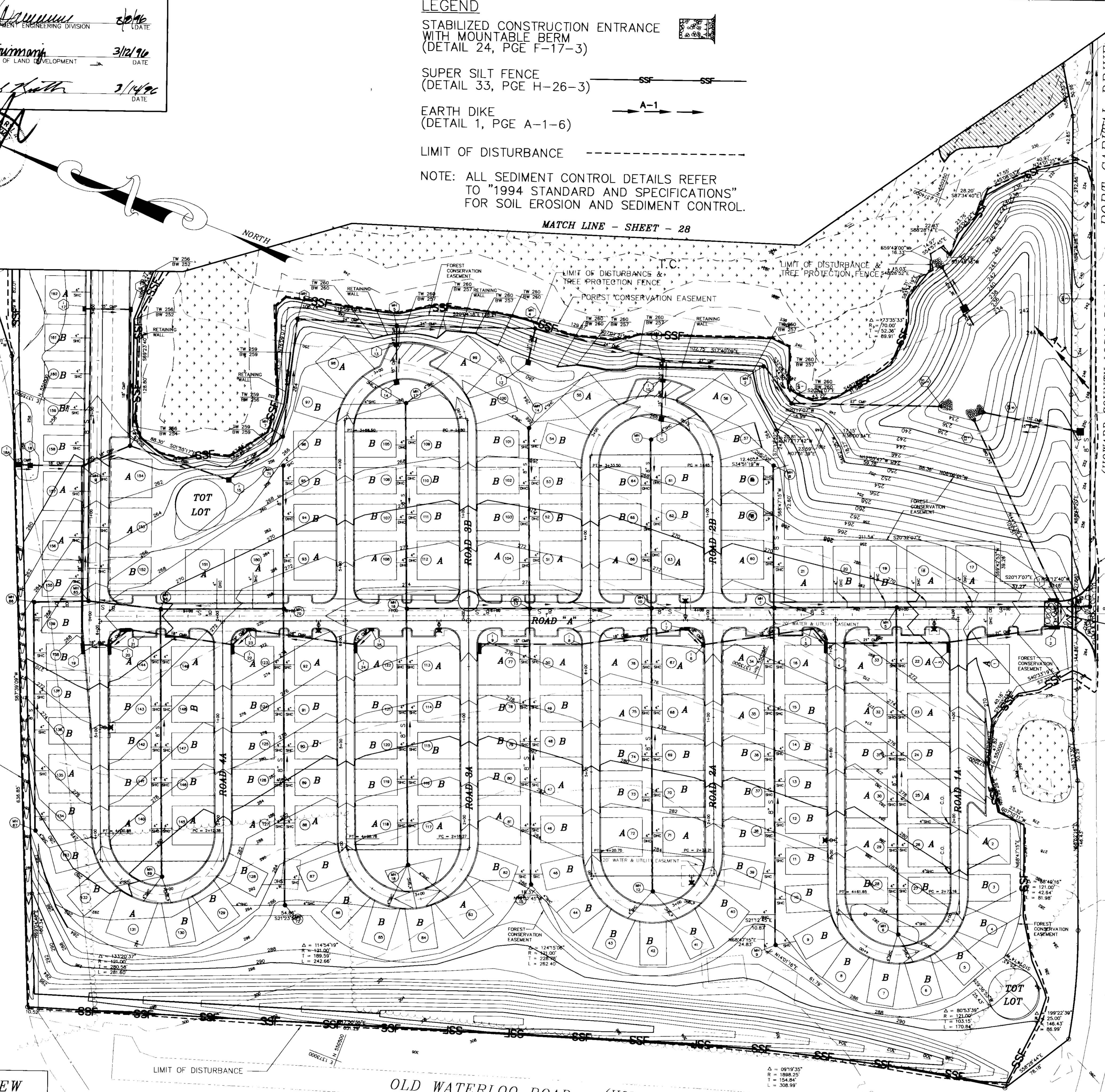
SUPER SILT FENCE (DETAIL 33, PGE H-26-3)

EARTH DIKE (DETAIL 1, PGE A-1-6)

LIMIT OF DISTURBANCE

NOTE: ALL SEDIMENT CONTROL DETAILS REFER TO "1994 STANDARD AND SPECIFICATIONS" FOR SOIL EROSION AND SEDIMENT CONTROL.

STATE OF MARYLAND  
 477/185  
 477/530  
 PARCEL 3  
 ZONED R-MH



NOTE: OUTSIDE OF THE PROPERTY LINE THE CONTOUR LINES ARE IN 5' INTERVALS.

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT AND FOREST CONSERVATION REQUIREMENTS.

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

DATE	JAN 96
PROJECT	94044
M.P./MAT	M.P.
REVISION	1"
SCALE	1"=60'
DESIGNER	J.H.

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTORAL DISTRICT  
 EROSION & SEDIMENT CONTROL PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.
- CONSTRUCT SUPER SILT FENCES AS SHOWN.
- CONSTRUCT TREE PROTECTION FENCE AS INDICATED ON THE FOREST CONSERVATION PLAN.
- CONSTRUCT STORMWATER MANAGEMENT PONDS TO GRADES INDICATED FOR SEDIMENT CONTROL BASINS.
- CONSTRUCT "A-1" EARTH DIKE AT POND NO. 1.
- BRING SITE TO DESIGN GRADES, INSTALL UTILITIES, STORM DRAINAGE AND ROADWAYS.
- SEDIMENTS SHALL BE REMOVED FROM THE SEDIMENT BASINS WHEN THE CLEANOUT ELEVATIONS HAVE BEEN REACHED.
- THE ACCUMULATED SEDIMENTS FROM THE BASINS SHALL BE PLACED UP GRADE FROM THE BASINS IN SUCH A MANNER SUCH THAT THE RUNOFF FROM THE PLACEMENT AREA WILL FLOW TO AN APPROVED SEDIMENT CONTROL DEVICE AND NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWN GRADE FROM THE BASIN.
- WHEN ALL UPSTREAM AREAS OF A SEDIMENT CONTROL DEVICE HAVE BEEN PERMANENTLY STABILIZED, AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, RECONSTRUCT THAT FACILITY TO THE GRADES AND DIMENSIONS SHOWN FOR STORMWATER MANAGEMENT. SEED AND MULCH REMAINING DISTURBED AREAS.
- WHEN ALL CONTRIBUTING DRAINAGE AREAS TO A STORMWATER MANAGEMENT FACILITY HAVE BEEN PERMANENTLY STABILIZED, AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, RECONSTRUCT THAT FACILITY TO THE GRADES AND DIMENSIONS SHOWN FOR STORMWATER MANAGEMENT. SEED AND MULCH REMAINING DISTURBED AREAS.

**HOWARD SOIL CONSERVATION DISTRICT**

**PERMANENT SEEDING NOTES**

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 THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK 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.).
- 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 DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR 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. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. 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 WEED FREE SMALL GRAIN 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

**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, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

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 OCTOBER 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 (07 LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 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 WEED FREE SMALL GRAIN 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 FEET 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 ADDITIONAL RATES AND METHODS NOT COVERED.

**HOWARD SOIL CONSERVATION DISTRICT**

**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
TOTAL AREA OF SITE: 52.6 ACRES  
AREA TO BE ROOFED OR PAVED: 39.3 ACRES  
AREA TO BE NEGATIVELY STABILIZED: 28.2 ACRES  
TOTAL CUT: 20,000 CU. YDS.  
TOTAL FILL: 70,000 CU. YDS.  
TOTAL WASTE/BORROW AREA LOCATION
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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 AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

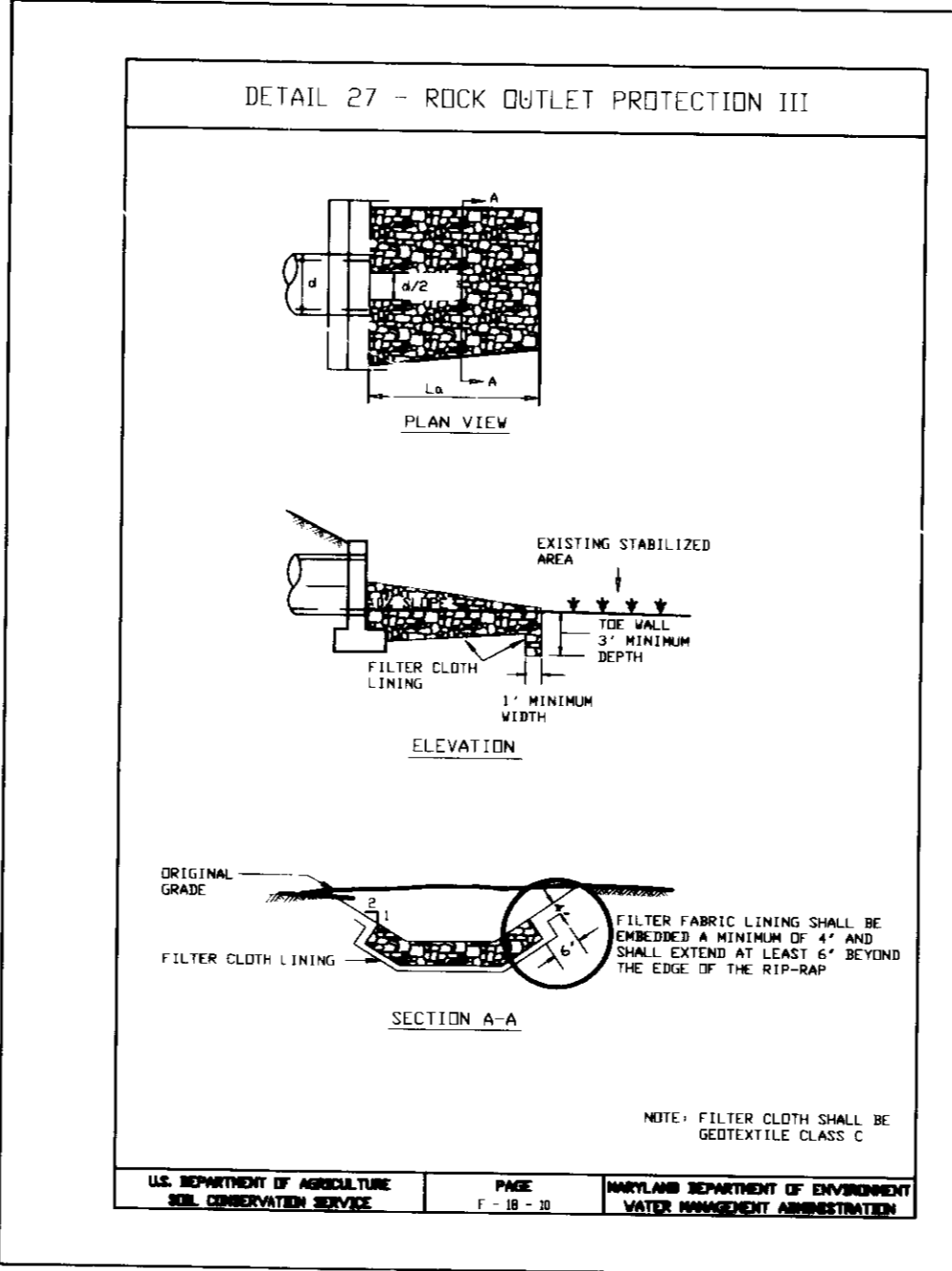
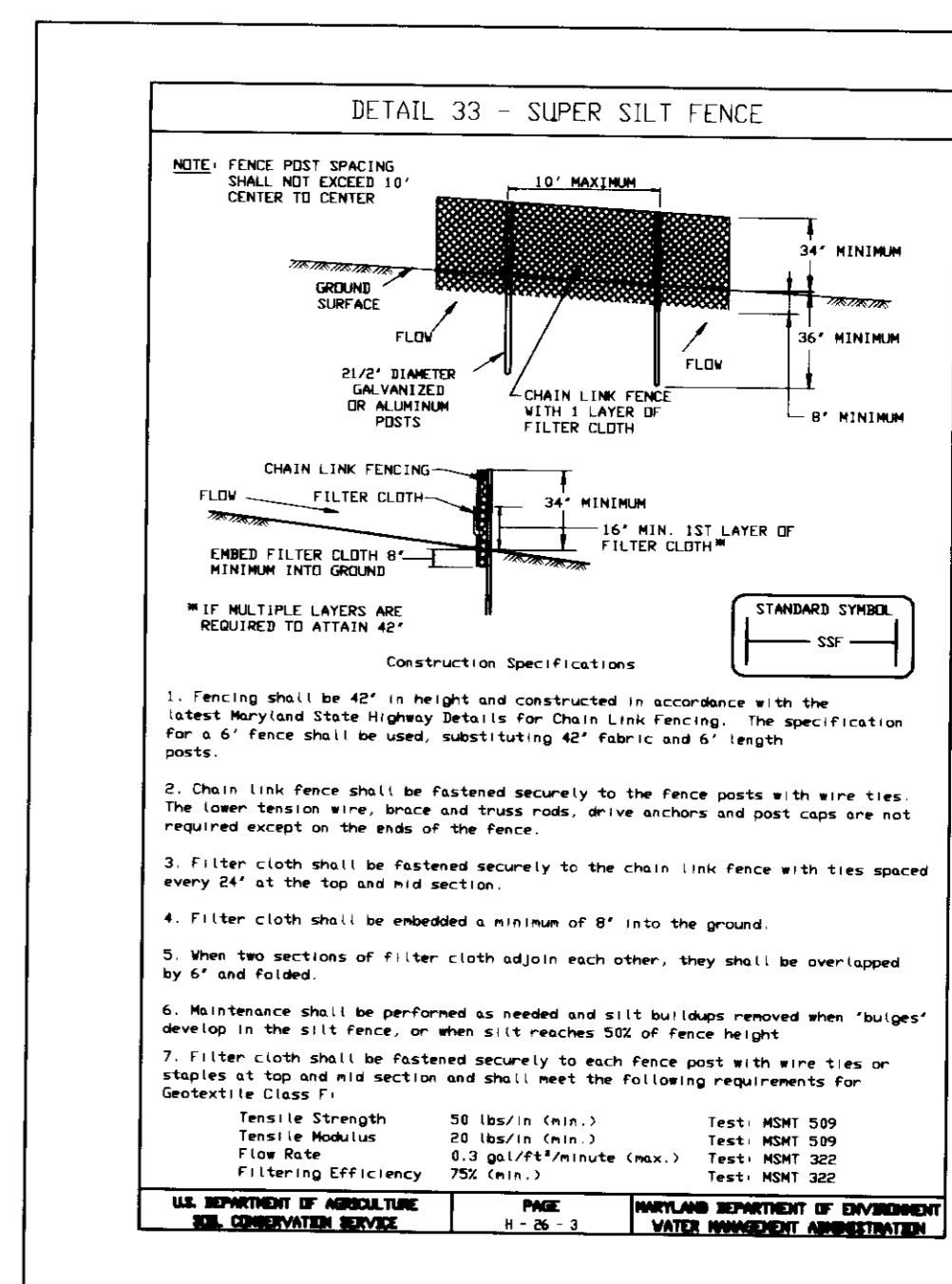
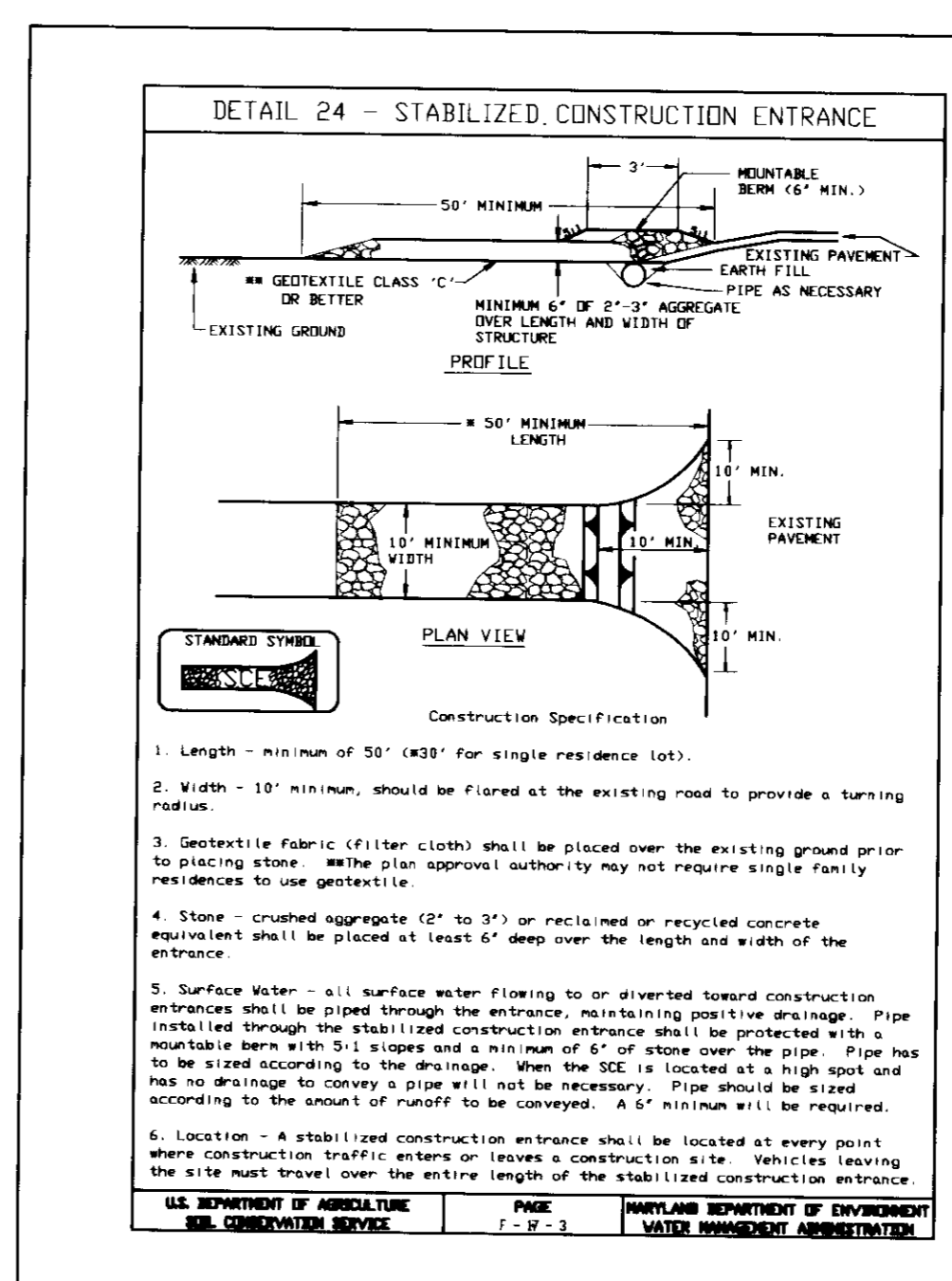
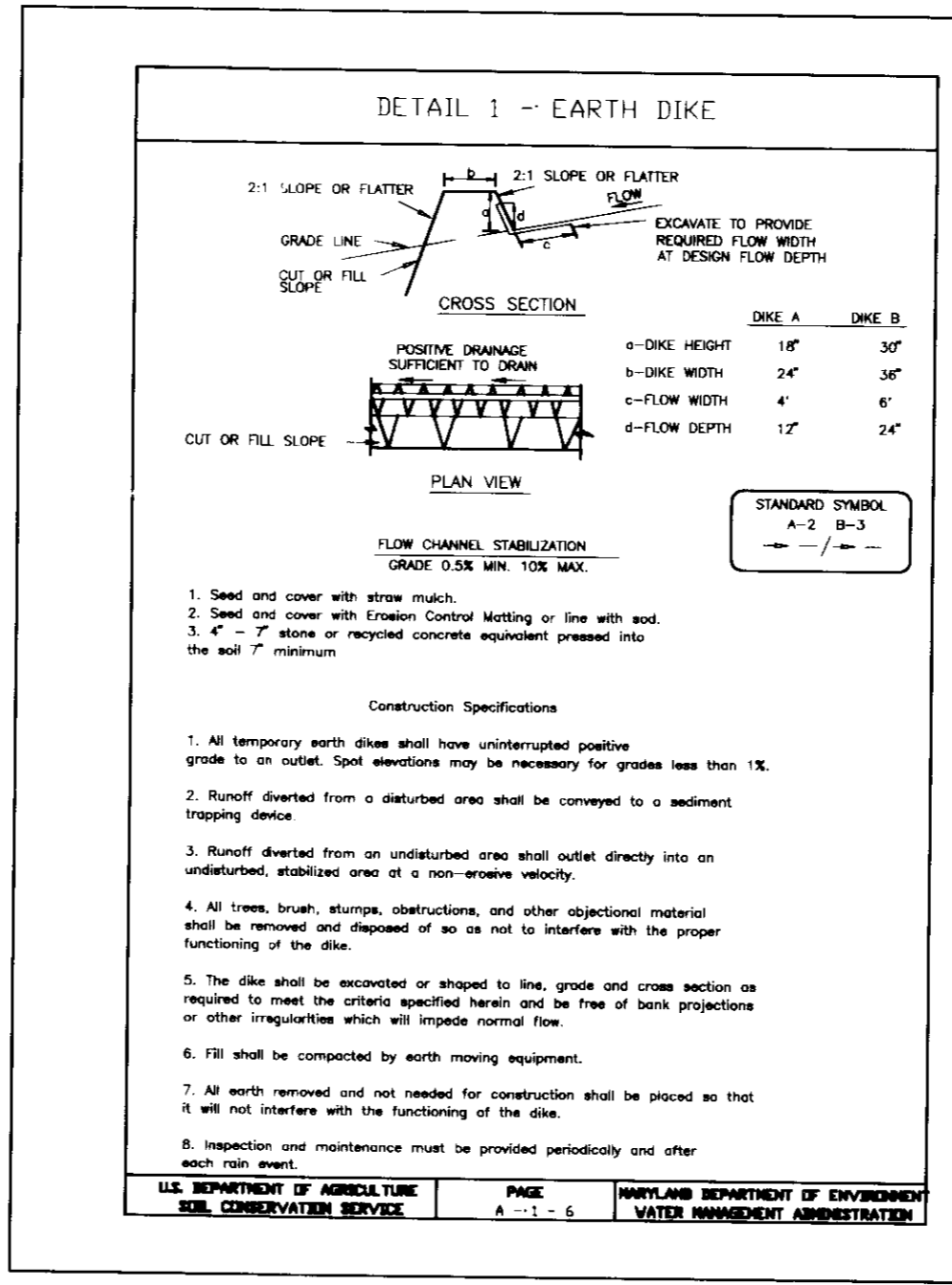
I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ PE NO. \_\_\_\_\_

CERTIFY MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED UPON ONSITE INSPECTIONS AND MATERIAL TESTS WHICH ARE CONDUCTED DURING CONSTRUCTION. THE ONSITE INSPECTIONS AND MATERIAL TESTS ARE THOSE INSPECTIONS AND TESTS DEEMED SUFFICIENT AND APPROPRIATE BY COMMONLY ADOPTED ENGINEERING STANDARDS. CERTIFY DOES NOT MEAN OR IMPLY A GUARANTEE BY THE ENGINEER NOR DOES AN ENGINEER'S CERTIFICATION RELIEVE ANY OTHER PARTY FROM MEETING REQUIREMENTS IMPOSED BY CONTRACT, EMPLOYMENT, OR OTHER MEANS, INCLUDING MEETING COMMONLY ACCEPTED INDUSTRY PRACTICES.

OPERATION, MAINTENANCE, AND INSPECTION

INSPECTION OF THE POND(S) SHOWN HEREON SHALL BE PERFORMED AT LEAST ANNUALLY, IN ACCORDANCE WITH THE CHECKLIST AND REQUIREMENTS CONTAINED WITH USDA, SCS STANDARDS AND SPECIFICATIONS FOR PONDS (M0-378). THE POND OWNER(S) AND ANY HEIRS, SUCCESSORS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE POND AND THE CONTINUED OPERATION, SURVEILLANCE, INSPECTION, AND MAINTENANCE THEREOF. THE POND OWNER(S) SHALL PROMPTLY NOTIFY THE SOIL CONSERVATION DISTRICT OF ANY UNUSUAL OBSERVATIONS THAT MAY BE INDICATIONS OF DISTRESS SUCH AS EXCESSIVE SEEPAGE, TURBID SEEPAGE, SLIDING OR SLUMPING.



**DEVELOPER'S CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 11/19/96

**ENGINEER'S CERTIFICATE**

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 AND NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* DATE: 11/10/96

Signature: *[Signature]* DATE: 2/6/96

Signature: *[Signature]* DATE: 2/6/96

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signature: *[Signature]* DATE: 3/6/96

Signature: *[Signature]* DATE: 3/12/96

Signature: *[Signature]* DATE: 3/14/96

**THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
**SEDIMENT CONTROL NOTES & DETAILS**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsy Hall Drive, Suite 202, Elkocott City, Maryland, 21042  
 (410) 997-0286 Fax (301) 621-5521 Wash. (410) 997-0288 Fax

30 OF 39  
 SDP-96-20

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-4 Job # 95151A. Date Started 5-17-95. Date Completed 5-17-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-5 Job # 95151A. Date Started 5-17-95. Date Completed 5-17-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-3. Location Port Capital Drive, Howard County, Maryland. Boring # B-6 Job # 95151A. Date Started 5-17-95. Date Completed 5-17-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-3. Location Port Capital Drive, Howard County, Maryland. Boring # B-7 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-8 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-3. Location Port Capital Drive, Howard County, Maryland. Boring # B-9 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-10 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-11 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION. Project Name Corridor One SWMP-2. Location Port Capital Drive, Howard County, Maryland. Boring # B-12 Job # 95151A. Date Started 5-23-95. Date Completed 5-23-95. Includes soil profile chart and data table with columns for ELEV, SOIL DESCRIPTION, STRA DEPTH, DEPTH SCALE, CON, BLOWS #, NO, REC, BORING & SAMPLING NOTES.

DEVELOPER'S CERTIFICATE: I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: Patricia Engle, 1/8/96. Date: 1/8/96.

ENGINEER'S CERTIFICATE: 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: Robert W. Zim, 2/6/96. Date: 2/6/96.

AS BUILT CERTIFICATION: APPROVED: DEPARTMENT OF PLANNING AND ZONING. Date: 3/14/96.

TAX MAP 43, PARCELS 4, 347 & P/O 3. CORRIDOR ONE. SOIL BORINGS AND SPECIFICATIONS. MILDENBERG, BOENDER & ASSOC., INC. 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042. (410) 997-0296. Fax: (410) 997-0298. 31 of 39. SDP-96-20.

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS. OWNER/DEVELOPER: RE 175 LLC, C/O ROCK REALTY, INC., 25 MAIN STREET, REISTERTOWN, MARYLAND 21136. (410) 526-4030.



**POND SPECIFICATIONS**

THESE SPECIFICATIONS ARE APPROPRIATE TO ALL PONDS WITHIN THE SCOPE OF THE STANDARD FOR PRACTICE MD-378. ALL REFERENCES TO ASTM AND AASHTO SPECIFICATIONS APPLY TO THE MOST RECENT VERSION.

**SITE PREPARATION**

AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT, AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED. CHANNEL BANKS AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1.

AREAS TO BE COVERED BY THE RESERVOIR SHALL BE CLEARED OF ALL TREES, BRUSH, LOGS, RUBBISH AND OTHER OBJECTIONABLE MATERIAL UNLESS OTHERWISE DESIGNATED TO THE PLANS. TREES, BRUSH AND STUMPS SHALL BE CUT APPROXIMATELY LEVEL WITH THE GROUND SURFACE. FOR DRY STORMWATER MANAGEMENT PONDS, A MINIMUM OF A 50 FOOT RADIUS AROUND THE INLET STRUCTURE SHALL BE CLEARED.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF OUTSIDE AND BELOW THE LIMITS OF THE DAM AND RESERVOIR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. WHEN SPECIFIED, A SUFFICIENT QUALITY OF TOPSOIL WILL BE STOCKPILED IN A SUITABLE LOCATION FOR USE ON THE EMBANKMENT AND OTHER DESIGNATED AREAS.

**EARTH FILL**

MATERIAL - THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREAS. IT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6", FROZEN OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE EMBANKMENT AND CUT OFF TRENCH SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL. CONSIDERATION MAY BE GIVEN TO THE USE OF OTHER MATERIALS IN THE EMBANKMENT IF DESIGN AND CONSTRUCTION ARE SUPERVISED BY A GEOTECHNICAL ENGINEER.

PLACEMENT - AREAS ON WHICH FILL IS TO BE SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8 INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. THE MOST PERMEABLE BORROW MATERIAL SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT. THE PRINCIPAL SPILLWAY MUST BE INSTALLED CONCURRENTLY WITH FILL PLACEMENT AND NOT EXCAVATED INTO THE EMBANKMENT.

COMPACTION - THE MOVEMENT OF AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE ENTIRE SURFACE OF EACH LIFT SHALL BE TRAVERSED BY NOT LESS THAN ONE TREAD TRACK OF THE EQUIPMENT OR COMPACTION SHALL BE ACHIEVED BY FOUR COMPLETE PASSES OF A MINIMUM OF ONE SHEEPSFOOT, RUBBER TIRED OR VIBRATORY ROLLER. FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SUCH THAT THE REQUIRED DEGREE OF COMPACTION WILL BE OBTAINED WITH THE EQUIPMENT USED. THE FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SO THAT IF FORMED INTO A BALL IT WILL NOT CRUMBLE YET NOT BE SO WET THAT WATER CAN BE SQUEEZED OUT.

WHERE A MINIMUM REQUIRED DENSITY IS SPECIFIED, IT SHALL NOT BE LESS 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN +/- 2% OF THE OPTIMUM. EACH LAYER OF FILL SHALL BE COMPACTED AS NECESSARY TO OBTAIN THAT DENSITY, AND IS TO BE CERTIFIED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99.

CUT OFF TRENCH - THE CUFF OFF TRENCH SHALL BE EXCAVATED INTO IMPERVIOUS MATERIAL ALONG OR PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE BOTTOM WIDTH OF THE TRENCH SHALL BE GOVERNED BY THE EQUIPMENT USED FOR EXCAVATION, WITH THE MINIMUM WIDTH BEING FOUR FEET. THE DEPTH SHALL BE AT LEAST FOUR FEET BELOW EXISTING GRADE OR AS SHOWN ON THE PLANS. THE SIDE SLOPES OF THE TRENCH SHALL BE 1 TO 1 OR FLATTER. THE BACKFILL SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT, ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY.

**STRUCTURE BACKFILL**

BACKFILL ADJACENT TO PIPES OR STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. THE FILL MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND COMPACTED BY HAND TAMPERS OR OTHER MANUALLY DIRECTED COMPACTION EQUIPMENT. THE MATERIAL NEEDS TO FILL COMPLETE SPACES UNDER AND ADJACENT TO THE PIPE. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE FILL OF 24" OR GREATER OVER THE STRUCTURE OR PIPE.

**PIPE CONDUITS**

ALL PIPES SHALL BE CIRCULAR IN CROSS SECTION.

CORRUGATED METAL PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR CORRUGATED METAL PIPE:  
1. MATERIALS - (STEEL PIPE) - THIS PIPE AND ITS APPURTENANCES SHALL BE GALVANIZED AND FULLY BITUMINOUS COATED AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO SPECIFICATION M-190 TYPE A WITH WATER TIGHT COUPLING BANDS. ANY BITUMINOUS COATING DAMAGED OR OTHERWISE REMOVED SHALL BE REPLACED WITH COLD APPLIED BITUMINOUS COATING COMPOUND. STEEL PIPES WITH POLYMERIC COATINGS SHALL HAVE A MINIMUM COATING THICKNESS OF 0.01 INCH (0.1 MIL) ON BOTH SIDES OF THE PIPE. THE FOLLOWING COATINGS OR AN APPROVED EQUAL MAY BE USED: NEXON, PLASTI-COTE, HLAG-KLAD, AND BETH-DU-LOT. COATED CORRUGATED STEEL PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M-245 AND M-246.

MATERIALS - (ALUMINUM COATED STEEL PIPE) - THIS PIPE AND ITS APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO SPECIFICATION M-274 WITH WATER TIGHT COUPLING BANDS OR FLANGES. ANY ALUMINUM COATING DAMAGED OR OTHERWISE REMOVED SHALL BE REPLACED WITH COLD APPLIED BITUMINOUS COATING COMPOUND.

MATERIALS - (ALUMINUM PIPE) - THIS PIPE AND ITS APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO SPECIFICATION M-196 OR M-211 WITH WATER TIGHT COUPLING BANDS OR FLANGES. ALUMINUM SURFACES THAT ARE TO BE IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH ONE COAT OF ZINC CHROMATE PRIMER. HOT DIP GALVANIZED BOLTS MAY BE USED FOR CONNECTIONS. THE PH OF THE SURROUNDING SOILS SHALL BE BETWEEN 4 AND 9.

2. COUPLING BANDS, ANTI-SEEP COLLARS, END SECTIONS, ETC., MUST BE COMPOSED OF THE SAME MATERIAL AS THE PIPE. METALS MUST BE INSULATED FROM DISSIMILAR MATERIALS WITH USE RUBBER OR PLASTIC INSULATING MATERIALS AT LEAST 24 MILS IN THICKNESS.  
3. CONNECTIONS - ALL CONNECTIONS WITH PIPES MUST BE COMPLETELY WATERTIGHT. THE DRAIN PIPE OR BARREL CONNECTION TO THE RISER SHALL BE WELDED ALL AROUND WHEN THE PIPE AND RISER ARE METAL. ANTI-SEEP COLLARS SHALL BE CONNECTED TO THE PIPE IN SUCH A MANNER AS TO BE COMPLETELY WATERTIGHT. DUMPLE BANDS ARE NOT CONSIDERED TO BE WATERTIGHT.

ALL CONNECTIONS SHALL USE A RUBBER OR NEOPRENE GASKET WHEN JOINING PIPE SECTIONS. THE END OF EACH PIPE SHALL BE ROLLED AND ADEQUATE NUMBER OF CORRUGATIONS TO ACCOMMODATE THE BAND WIDTH. THE FOLLOWING TYPE CONNECTIONS ARE ACCEPTABLE FOR PIPE LESS THAN 24" IN DIAMETER: FLANGES ON BOTH ENDS OF THE PIPE, A 12" WIDE STANDARD LAP TYPE BAND WITH 12" WIDE BY 3/8" THICK CLOSED CELL CIRCULAR NEOPRENE GASKET; AND A 12" WIDE HUGGER TYPE BAND WITH O-RING GASKETS HAVING MINIMUM DIAMETER OF 1/2" GREATER THAN THE CORRUGATION DEPTH. PIPES 24" IN DIAMETER AND LARGER SHALL BE CONNECTED BY A 24" LONG ANNULAR CORRUGATED BAND USING RODS AND LOGS. A 12" WIDE BY 3/8" THICK CLOSED CELL CIRCULAR NEOPRENE GASKET WILL BE INSTALLED ON THE END OF EACH PIPE FOR A TOTAL OF 24".

HELICALLY CORRUGATED PIPE SHALL HAVE EITHER CONTINUOUSLY WELDED SEAMS OR HAVE LOCK SEAMS WITH INTERNAL CAULKING OR A NEOPRENE BEAD.

4. BEDDING - THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED THROUGHOUT ITS ENTIRE LENGTH. WHERE ROCK OR SOFT, SPONGY OR OTHER UNSTABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE EARTH COMPACTED TO PROVIDE ADEQUATE SUPPORT.

5. BACKFILLING SHALL CONFORM TO "STRUCTURE BACKFILL."  
6. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

REINFORCED CONCRETE PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR REINFORCED CONCRETE PIPE:

1. MATERIALS - REINFORCED CONCRETE PIPE SHALL HAVE BELL AND SPIGOT JOINTS WITH RUBBER GASKETS AND SHALL EQUAL OR EXCEED ASTM DESIGNATION C-361.

2. BEDDING - ALL REINFORCED CONCRETE PIPE CONDUITS SHALL BE LAID IN A CONCRETE BEDDING FOR THEIR ENTIRE LENGTH. THIS BEDDING SHALL CONSIST OF HIGH SLUMP CONCRETE PLACED UNDER THE PIPE AND THE SIDES OF THE PIPE AT LEAST 10% OF ITS OUTSIDE DIAMETER WITH A MINIMUM THICKNESS OF 3 INCHES, OR AS SHOWN ON THE DRAWINGS.

3. LAYING PIPE - BELL AND SPIGOT PIPE SHALL BE PLACED WITH THE BELL END UPSTREAM. JOINTS SHALL BE MADE IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER OF THE MATERIAL. AFTER THE JOINTS ARE SEALED FOR THE ENTIRE LINE, THE BEDDING SHALL BE PLACED SO THAT ALL SPACES UNDER THE PIPE ARE FILLED. CARE SHALL BE EXERCISED TO PREVENT ANY DEVIATION FROM THE ORIGINAL LINE AND GRADE OF THE PIPE. THE FIRST JOINT MUST BE LOCATED WITHIN 2 FEET FROM THE RISER.

4. BACKFILLING SHALL CONFORM TO "STRUCTURE BACKFILL."  
5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

POLYVINYL CHLORIDE (PVC) PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR POLYVINYL CHLORIDE (PVC) PIPE:

1. MATERIALS - PVC PIPE SHALL BE PVC-1120 OR PVC-1220 CONFORMING TO ASTM D-1785 OR ASTM D-2241.  
2. JOINTS AND CONNECTIONS TO ANTI-SEEP COLLARS SHALL BE COMPLETELY WATERTIGHT.

3. BEDDING - THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED THROUGHOUT ITS ENTIRE LENGTH. WHERE ROCK OR SOFT, SPONGY OR OTHER UNSTABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE EARTH COMPACTED TO PROVIDE ADEQUATE SUPPORT.  
4. BACKFILLING SHALL CONFORM TO "STRUCTURE BACKFILL."

5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

**CONCRETE**

CONCRETE SHALL MEET THE REQUIREMENTS OF MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 905.

**ROCK RIPRAP**

THE RIPRAP SHALL BE PLACED TO THE REQUIRED THICKNESS IN ONE OPERATION. THE ROCK SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL INSURE THE RIPRAP IN PLACE SHALL BE REASONABLY HOMOGENOUS WITH THE LARGER ROCKS UNIFORMLY DISTRIBUTED AND FIRMLY IN CONTACT ONE TO ANOTHER WITH THE SMALLER ROCKS FILLING THE VOIDS BETWEEN THE LARGER ROCKS. FILTER CLOTH SHALL BE REPLACED UNDER ALL RIPRAP AND SHALL MEET THE REQUIREMENTS OF MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 919.12.7.

**CARE OF WATER DURING CONSTRUCTION**

ALL WORK ON THE PERMANENT STRUCTURES SHALL BE CARRIED OUT IN AREAS FREE FROM WATER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL TEMPORARY DIKES, LEVEES, COFERDAMS, DRAINAGE CHANNELS, AND STREAM DIVERSIONS NECESSARY TO PROTECT THE AREAS TO BE OCCUPIED BY THE PERMANENT WORKS. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, OPERATE AND MAINTAIN ALL NECESSARY PUMPING AND OTHER EQUIPMENT REQUIRED FOR REMOVAL OF WATER FROM THE VARIOUS PARTS OF THE WORK AND FOR MAINTAINING THE EXCAVATIONS, FOUNDATION AND OTHER PARTS OF THE WORK FREE FROM WATER AS REQUIRED OR DIRECTED BY THE ENGINEER FOR CONSTRUCTING EACH PART OF THE WORK. AFTER HAVING SERVED THEIR PURPOSE, ALL TEMPORARY PROTECTIVE WORKS SHALL BE REMOVED OR LEVELED AND GRADED TO THE EXTENT REQUIRED TO PREVENT OBSTRUCTION IN ANY DEGREE. WHATSOEVER OF THE FLOW OF WATER TO THE SPILLWAY OR OUTLET WORKS AND SO AS NOT TO INTERFERE IN ANY WAY WITH THE OPERATION OR MAINTENANCE OF THE STRUCTURE. STREAM DIVERSIONS SHALL BE MAINTAINED UNTIL THE FULL FLOW CAN BE PASSED THROUGH THE PERMANENT WORKS. THE REMOVAL OF WATER FROM THE REQUIRED EXCAVATION AND THE FOUNDATION SHALL BE ACCOMPLISHED IN A MANNER AND TO THE EXTENT THAT WILL MAINTAIN STABILITY OF THE EXCAVATED SLOPES AND BOTTOM OF THE REQUIRED EXCAVATIONS AND WILL ALLOW SATISFACTORY PERFORMANCE OF ALL AND CONSTRUCTION OPERATIONS. DURING THE PLACING AND COMPACTION OF MATERIAL IN REQUIRED EXCAVATIONS, THE WATER LEVEL AT THE LOCATIONS BEING REFILLED SHALL BE MAINTAINED BELOW THE BOTTOM OF THE EXCAVATION AT SUCH LOCATIONS WHICH MAY REQUIRE DRAINING THE WATER TO SLUMPS FROM WHICH THE WATER SHALL BE PUMPED.

**STABILIZATION**

ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SLIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BERMS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING IN ACCORDANCE WITH THE MARYLAND SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR CRITICAL AREA PLANTING (MD-342) OR AS SHOWN ON THE ACCOMPANYING DRAWINGS.

**EROSION AND SEDIMENT CONTROL**

CONSTRUCTION OPERATIONS WILL BE CARRIED OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND AIR POLLUTION MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABAETMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDIMENT CONTROL MEASURES TO BE EMPLOYED DURING THE CONSTRUCTION PROCESS.

**OPERATION, MAINTENANCE AND INSPECTION**

INSPECTION OF THE POND(S) SHOWN HEREON SHALL BE PERFORMED AT LEAST ANNUALLY, IN ACCORDANCE WITH THE CHECKLIST AND REQUIREMENTS CONTAINED WITHIN USDA, SCS "STANDARDS AND SPECIFICATIONS FOR PONDS" (MD-378). THE POND OWNER(S) AND THE HEIRS SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE POND AND THE CONTINUED OPERATION, SURVEILLANCE, INSPECTION, AND MAINTENANCE THEREOF. THE POND OWNER(S) SHALL PROMPTLY NOTIFY THE SOIL CONSERVATION DISTRICT OF ANY UNUSUAL OBSERVATIONS THAT MAY BE INDICATORS OF DISTRESS SUCH AS EXCESSIVE SEEPAGE, TURBID SEEPAGE, SLIDING OR SLUMPING.

**MAINTENANCE REQUIREMENTS**

- A. REMOVAL OF SILT WHEN ACCUMULATION EXCEED SIX (6) INCHES IN FOREBAY (IF APPLICABLE).
- B. REMOVAL OF ACCUMULATED PAPER, TRASH AND DEBRIS AS NECESSARY.
- C. VEGETATION GROWING ON THE EMBANKMENT TOP AND FACES OF THE FOREBAY OF BASIN IS NOT ALLOWED EXCEED 18 INCHES IN HEIGHT AT ANY TIME.
- D. ANNUAL INSPECTION AND REPAIR OF THE STRUCTURE.

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Wayne Newsome* 1/10/96  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATE**

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 NATURAL RESOURCE CONSERVATION SERVICE.

*Patricia Engle* 1/16/96  
SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engle* 2/6/96  
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Zickler* 2/6/96  
HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Jim Summerville* 3/6/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Jim Summerville* 3/12/96  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*James Smith* 3/14/96  
DIRECTOR DATE

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
RTE. 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

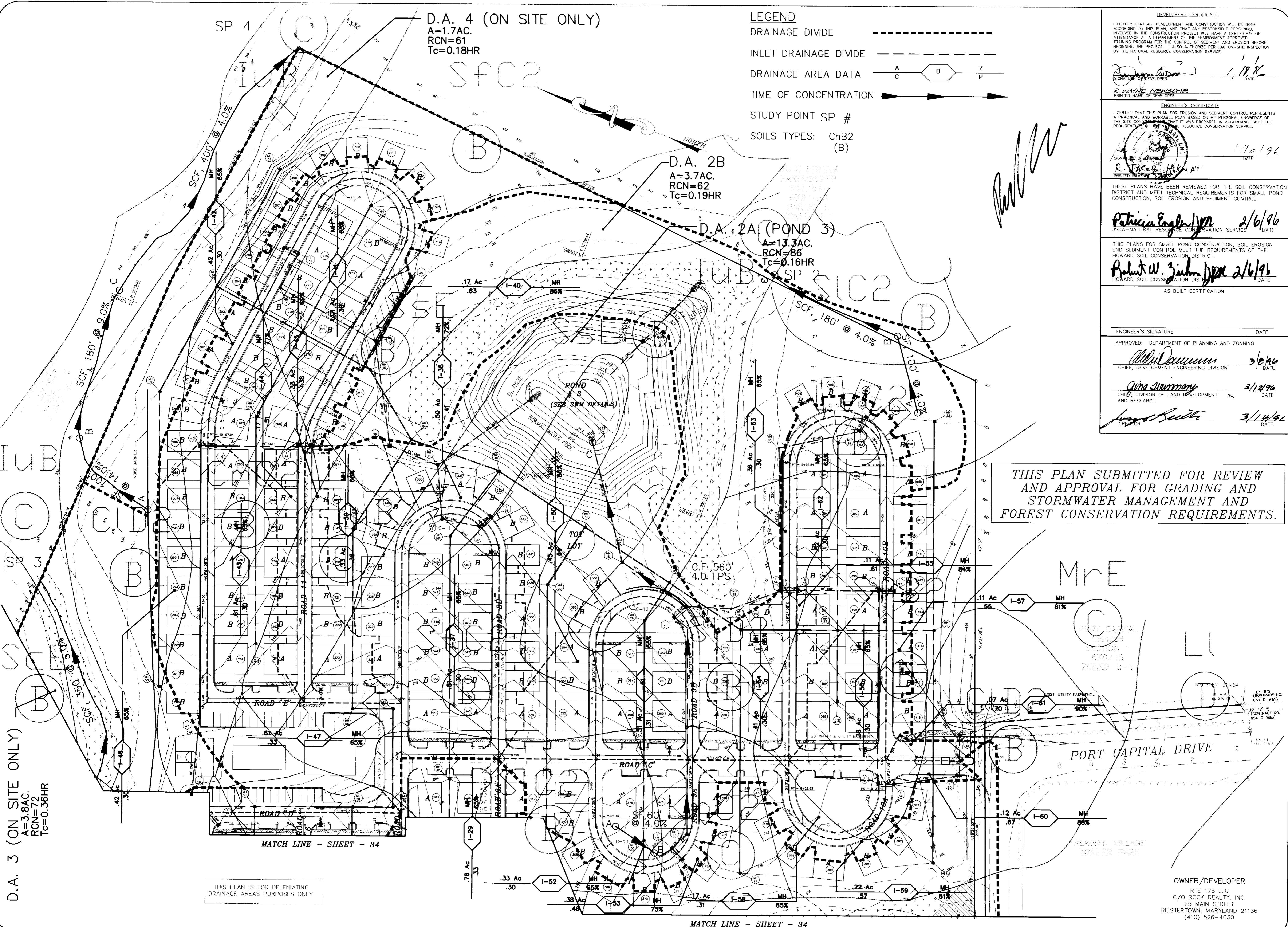
94044	JAN 96
M.P.	J.H.
AS SHOWN	J.H.

177.2	177.2
-------	-------

TAX MAP 43, PARCELS 4, 347 & P/O 3  
CORRIDOR ONE  
DISTRICT  
HOWARD COUNTY  
POND SPECIFICATIONS

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax





D.A. 4 (ON SITE ONLY)  
 A=1.7AC.  
 RCN=61  
 Tc=0.18HR

LEGEND  
 DRAINAGE DIVIDE   
 INLET DRAINAGE DIVIDE   
 DRAINAGE AREA DATA   
 TIME OF CONCENTRATION   
 STUDY POINT SP #   
 SOILS TYPES: ChB2 (B)

D.A. 2B  
 A=3.7AC.  
 RCN=62  
 Tc=0.19HR

D.A. 2A (POND 3)  
 A=13.3AC.  
 RCN=86  
 Tc=0.16HR

D.A. 3 (ON SITE ONLY)  
 A=3.8AC.  
 RCN=72  
 Tc=0.36HR

THIS PLAN IS FOR DELENIATING DRAINAGE AREAS PURPOSES ONLY

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT AND FOREST CONSERVATION REQUIREMENTS.

DEVELOPER'S CERTIFICATE  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.  
 SIGNATURE OF DEVELOPER: *R. Wayne Newsome* DATE: 1/18/96  
 PRINTED NAME OF DEVELOPER: R. WAYNE NEWSOME

ENGINEER'S CERTIFICATE  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.  
 SIGNATURE OF ENGINEER: *R. J. ...* DATE: 1/10/96  
 PRINTED NAME OF ENGINEER: R. J. ...

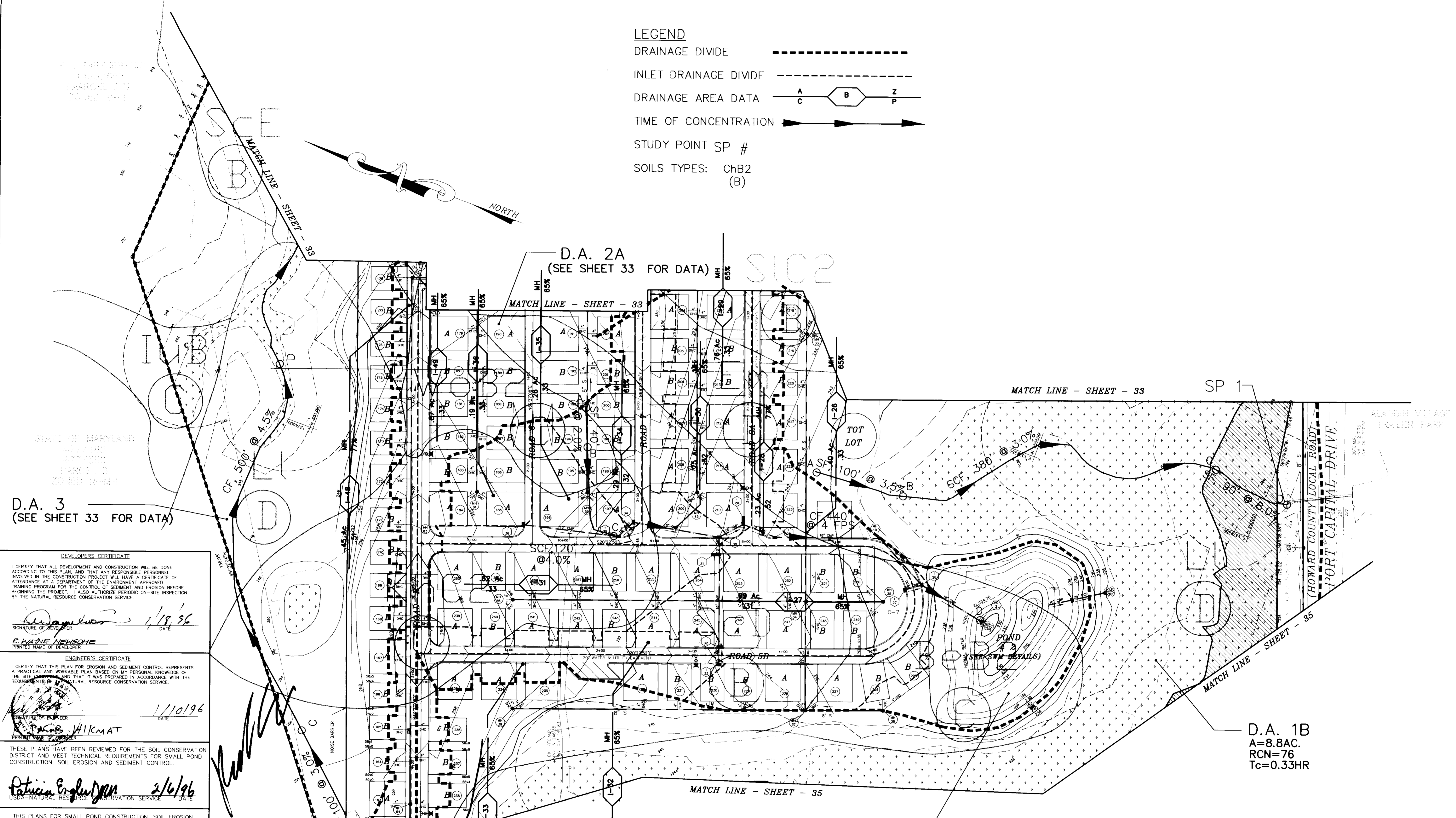
THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.  
*Patricia Engler/jpr* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*Robert W. Ziehm/jpr* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*John ...* 3/6/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Gina ...* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*James ...* 3/14/96  
 DIRECTOR DATE

**LEGEND**  
 DRAINAGE DIVIDE -----  
 INLET DRAINAGE DIVIDE - - - - -  
 DRAINAGE AREA DATA  $\frac{A}{C} \text{---} \text{---} \text{---} \frac{B}{Z} \text{---} \frac{P}{P}$   
 TIME OF CONCENTRATION  $\longleftrightarrow$   
 STUDY POINT SP #  
 SOILS TYPES: ChB2 (B)



STATE OF MARYLAND  
 477/183  
 477/580  
 PARCEL 3  
 ZONED R-MH

D.A. 3  
 (SEE SHEET 33 FOR DATA)

D.A. 2A  
 (SEE SHEET 33 FOR DATA)

SP 1

D.A. 1B  
 A=8.8AC.  
 RCN=76  
 Tc=0.33HR

D.A. 1C (POND 2)  
 A=4.9AC.  
 RCN=88  
 Tc=0.15HR

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.  
*[Signature]* 1/18/96  
 SIGNATURE OF DEVELOPER DATE  
**F. WAYNE NEHSOME**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.  
*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE  
**AKB WIKMAT**  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.  
*[Signature]* 2/6/96  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE DATE

THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
*[Signature]* 2/6/96  
 HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/6/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
 DIRECTOR DATE

THIS PLAN IS FOR DELINEATING DRAINAGE AREAS PURPOSES ONLY.

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 1ST ELECTION DISTRICT  
 HOWARD COUNTY  
 DRAINAGE AREA MAP

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Fax (301) 821-5521 Wash. (410) 997-0298 Fax

**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*Patricia Englund* 2/1/96  
 SIGNATURE AS DEVELOPER DATE

*R. KAYNE NEBOHNE*  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. PAEBER HIKMAT* 1/10/96  
 SIGNATURE OF ENGINEER DATE

**AS BUILT CERTIFICATION**  
 THIS PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert W. Zuhm* 2/6/96  
 SIGNATURE AS BUILT CERTIFICATION DATE



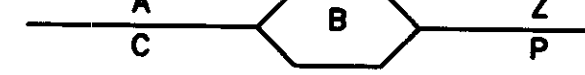


**APPROVED:** DEPARTMENT OF PLANNING AND ZONING  
*John Szymanski* 3/12/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Uma Szymanski* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

*Joseph J. Smith* 3/14/96  
 DIRECTOR DATE

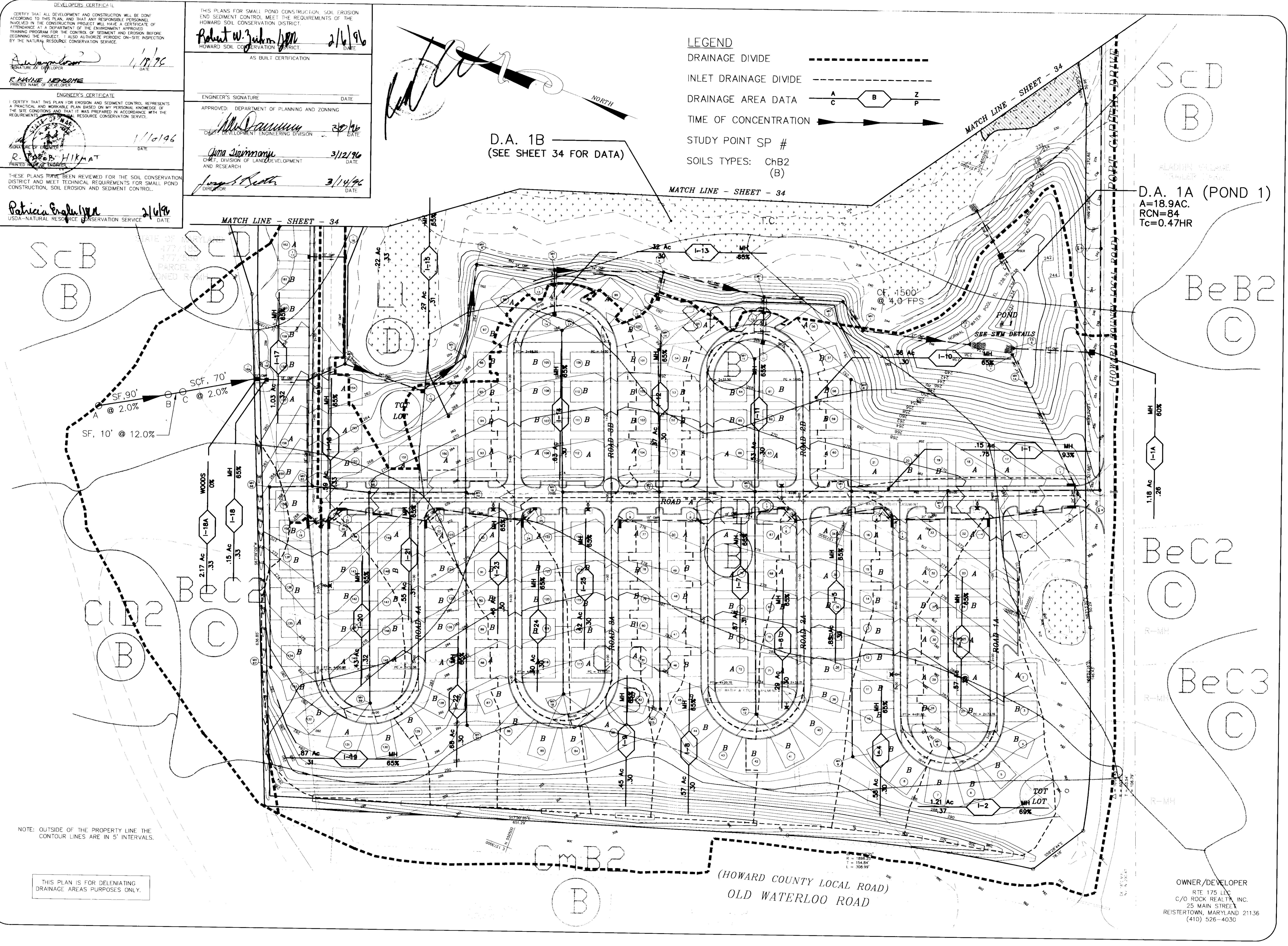
THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Englund* 2/1/96  
 SIGNATURE AS DEVELOPER DATE

**LEGEND**  
 DRAINAGE DIVIDE   
 INLET DRAINAGE DIVIDE   
 DRAINAGE AREA DATA   
 TIME OF CONCENTRATION   
 STUDY POINT SP #   
 SOILS TYPES: ChB2 (B)

*[Handwritten Signature]*  
 NORTH

D.A. 1B  
 (SEE SHEET 34 FOR DATA)



D.A. 1A (POND 1)  
 A=18.9AC.  
 RCN=84  
 Tc=0.47HR

NOTE: OUTSIDE OF THE PROPERTY LINE THE CONTOUR LINES ARE IN 5' INTERVALS.

THIS PLAN IS FOR Delineating DRAINAGE AREAS PURPOSES ONLY.

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

TAX MAP 43, PARCELS 4, 347 & P/O 3  
**CORRIDOR ONE**  
 HOWARD COUNTY  
 1ST ELECTION DISTRICT  
 DRAINAGE AREA MAP

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0266 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax

35 of 39  
 SDP-96-20

**CONSERVATION LEGEND**

- WETLANDS
- FOREST AREA TO BE RETAINED
- REFORESTED AREAS
- REFORESTED AREAS PROTECTION FENCE
- REFORESTED AREAS PROTECTION SIGN
- SIGNIFICANT TREE TO REMAIN

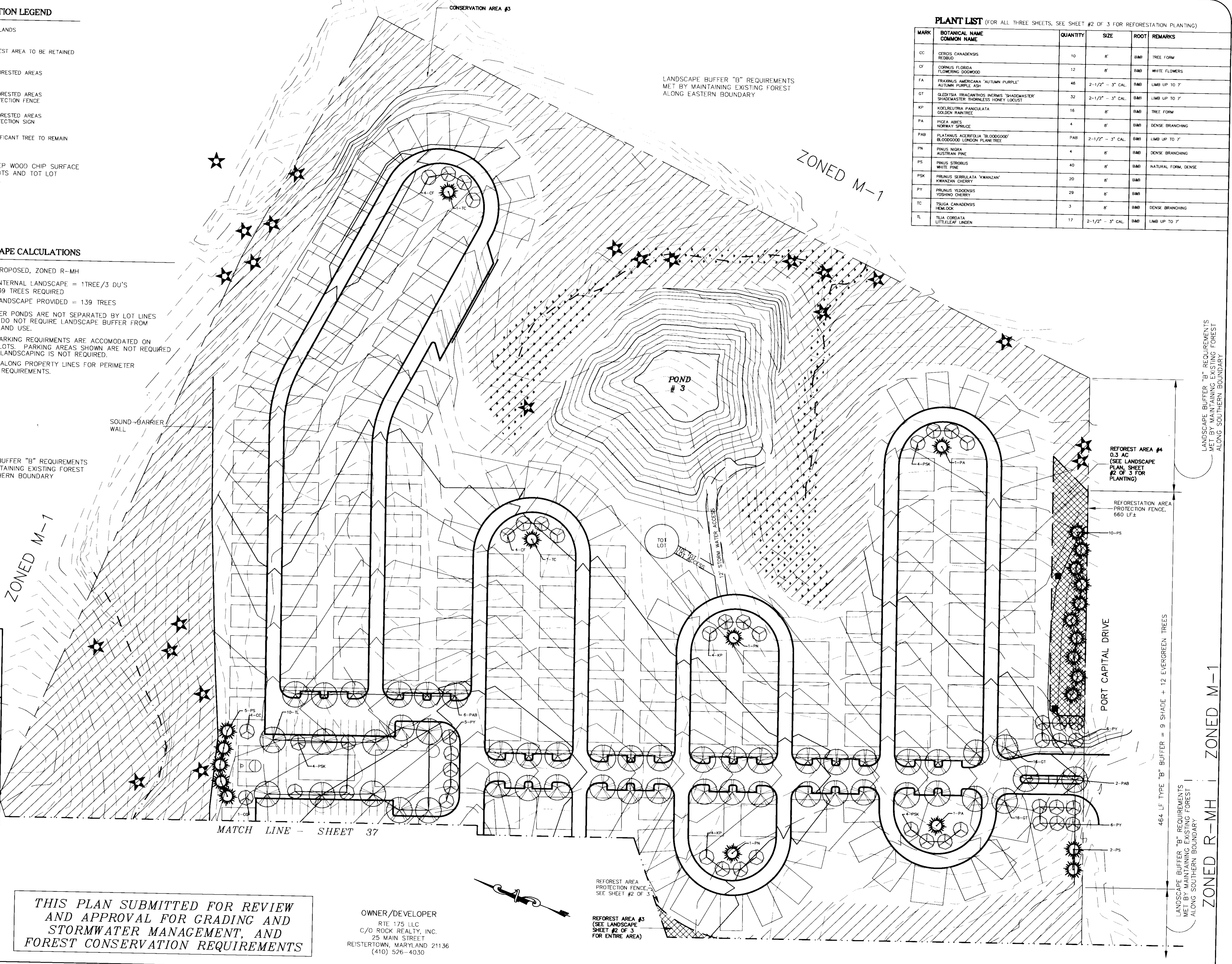
NOTE:  
INSTALL 3" DEEP WOOD CHIP SURFACE  
ON ALL TOT LOTS AND TOT LOT  
ACCESS PATHS.

**SDP LANDSCAPE CALCULATIONS**

1. 416 DU'S PROPOSED, ZONED R-MH
2. REQUIRED INTERNAL LANDSCAPE = 1TREE/3 DU'S  
416/3 = 139 TREES REQUIRED
3. INTERNAL LANDSCAPE PROVIDED = 139 TREES
4. STORM WATER PONDS ARE NOT SEPARATED BY LOT LINES  
THEREFORE DO NOT REQUIRE LANDSCAPE BUFFER FROM  
ADJACENT LAND USE.
5. INTERNAL PARKING REQUIREMENTS ARE ACCOMMODATED ON  
INDIVIDUAL LOTS. PARKING AREAS SHOWN ARE NOT REQUIRED  
THEREFORE LANDSCAPING IS NOT REQUIRED.
6. SEE NOTES ALONG PROPERTY LINES FOR PERIMETER  
LANDSCAPE REQUIREMENTS.

**PLANT LIST** (FOR ALL THREE SHEETS, SEE SHEET #2 OF 3 FOR REFORESTATION PLANTING)

MARK	BOTANICAL NAME COMMON NAME	QUANTITY	SIZE	ROOT	REMARKS
CC	CERES CANADENSIS REDWOOD	10	8"	B&B	TREE FORM
CF	CORNUS FLORIDA FLOWERING DOGWOOD	12	8"	B&B	WHITE FLOWERS
FA	FRAXINUS AMERICANA 'AUTUMN PURPLE' AUTUMN PURPLE ASH	46	2-1/2" - 3" CAL	R&B	LMB UP TO 7'
GT	QUERCUS TRIACANTHOS 'INERMIS' 'SHADEMASTER' SHADEMASTER THORNLESS HONEY LOCUST	32	2-1/2" - 3" CAL	B&B	LMB UP TO 7'
KP	KOELREUTERIA PANICULATA GOLDEN RAIN TREE	16	8"	B&B	TREE FORM
PA	FICUS ALBES NORWAY SPRUCE	4	8"	B&B	DENSE BRANCHING
PAB	PLATANUS ACERIFOLIA 'BLOODGOOD' BLOODGOOD LONDON PLANETREE	4	2-1/2" - 3" CAL	B&B	LMB UP TO 7'
PN	PINUS NEGRA AUSTRIAN PINE	4	8"	B&B	DENSE BRANCHING
PS	PINUS STROBUS WHITE PINE	40	8"	B&B	NATURAL FORM DENSE
PSK	PRUNUS SERIOLATA 'KWANZAN' KWANZAN CHERRY	20	8"	B&B	
PY	PRUNUS YEDDENSIS YOSHINO CHERRY	29	8"	B&B	
TC	TSUGA CANADENSIS HEMLOCK	3	8"	B&B	DENSE BRANCHING
TL	TILIA CORDATA LITTLELEAF LINDEN	17	2-1/2" - 3" CAL	B&B	LMB UP TO 7'



LANDSCAPE BUFFER "B" REQUIREMENTS  
MET BY MAINTAINING EXISTING FOREST  
ALONG NORTHERN BOUNDARY

LANDSCAPE BUFFER "B" REQUIREMENTS  
MET BY MAINTAINING EXISTING FOREST  
ALONG EASTERN BOUNDARY

LANDSCAPE BUFFER "B" REQUIREMENTS  
MET BY MAINTAINING EXISTING FOREST  
ALONG SOUTHERN BOUNDARY

REFOREST AREA #4  
0.3 AC  
(SEE LANDSCAPE  
PLAN, SHEET  
#2 OF 3 FOR  
PLANTING)

REFORESTATION AREA  
PROTECTION FENCE,  
660 LF±

464 LF TYPE "B" BUFFER = 9 SHADE + 12 EVERGREEN TREES

LANDSCAPE BUFFER "B" REQUIREMENTS  
MET BY MAINTAINING EXISTING FOREST  
ALONG SOUTHERN BOUNDARY

*[Handwritten signature]*

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE  
ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL  
INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF  
TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE  
BEGINNING THE PROJECT. THIS DOCUMENT PREPARED IN ACCORDANCE WITH THE  
NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/11/96  
DATE

**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THE PLAN FOR POND AND SEDIMENT CONTROL REPRESENTS  
A PRACTICABLE SOLUTION FOR AN BASED ON MY PERSONAL KNOWLEDGE OF  
THE SITE AND THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
DATE

**SOIL CONSERVATION DISTRICT CERTIFICATION**  
THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION  
END SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE  
NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 2/16/96  
DATE

**BUILT CERTIFICATION**  
THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION  
END SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE  
NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 2/16/96  
DATE

**ENGINEER'S SIGNATURE** DATE  
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 3/10/96  
DATE  
CHIEF, DEPARTMENT ENGINEERING DIVISION  
*[Signature]* 3/12/96  
DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT  
AND RESEARCH  
*[Signature]* 3/14/96  
DATE  
DIRECTOR

**THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS**

OWNER/DEVELOPER  
RIE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

project: 94044  
date: JAN 96  
illustration: MP/RAS  
scale: 1" = 60'  
description: REVISIONS  
revisors: [blank]  
date: [blank]

TAX MAP 43, BLOCK 3, PARCELS 3,4,347, & P/O 3  
**CORRIDOR ONE**  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
LANDSCAPE PLAN

**MILDENBERG,  
BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0286 Fax (301) 621-5521 Wash. (410) 997-0288 Fax

36 OF 39  
SDP-96-20

**CONSERVATION LEGEND**

- WETLANDS
- FOREST AREA TO BE RETAINED
- REFORESTED AREAS
- REFORESTED AREAS PROTECTION FENCE
- REFOREST AREA PROTECTION SIGN
- SIGNIFICANT TREE TO REMAIN

NOTE:  
INSTALL 3" DEEP WOOD CHIP SURFACE  
ON ALL TOT LOTS AND TOT LOT  
ACCESS PATHS.

**SOIL PREPARATION AND STABILIZATION FOR REFORESTATION IN DISTURBED AREAS**

- PLACE 12" OF TOPSOIL FROM ON-SITE TOPSOIL STOCKPILE OVER AREAS TO BE REFORESTED. BRING TOPSOIL TO FINAL GRADES INDICATED. PLANT TREES AND SHRUBS. SEED WITH GROUND COVER MIX AND MULCH.
- ALTERNATE TO TOPSOIL:  
PLACE 3" OF COMPOSTED ORGANIC MATTER OVER AREAS TO BE REFORESTED. TILL COMPOSTED ORGANIC MATTER INTO SOIL TO A DEPTH OF 12". BRING SOIL TO FINAL GRADES INDICATED. PLANT TREES AND SHRUBS. SEED WITH GROUND COVER MIX AND MULCH.
- AFTER INSTALLATION OF PLANTING AND FINAL GRADING IS COMPLETE INSTALL "FIELD AND FOREST MIX" GROUND COVER SEED MIX (BY SYLVIA NATIVE NURSERY & SEED COMPANY, NEW FREEDOM, PA. (717) 227-0466) AT A RATE OF 40 LBS/ACRE. IF INSTALLED WITH HYDROSEED, INCLUDE MULCH WITH HYDROSEED MIX. IF BROADCAST DRY, MULCH WITH STRAW TO A DEPTH OF 1/2" AND TACK IN PLACE WITH AN APPROVED TACKIFIER.  
"FIELD AND FOREST MIX" INCLUDES:  
RED CLOVER (TRIFOLIUM PRATENSE)  
ORCHARD GRASS (DACTYLIS GLOMERATUS)  
DEER TONGUE (PANICUM CLANDESTINUM)  
LITTLE BLUESTEM (ANDROPOGON SCOPARIUS)  
SWITCH GRASS (PANICUM VIRGATUM)  
BROME GRASS (BROMUS SP.)

**REFORESTATION NOTES:**

- HOWARD COUNTY REFORESTATION REQUIREMENTS - 350 HARDWOOD SEEDLINGS OR WHIPS/ACRE WITH "TREE SHELTERS," 11" X 11" SPACING
- PLACE SPECIES IN RANDOM ASSORTMENT IN LAYOUT.
- TREES SHOULD NOT BE PLANTED IN A STRICT GRID PATTERN. ADJUST SPACING SO THAT REFORESTATION PLANTING APPEARS NATURAL.

**REFORESTATION PLANT LIST**

**REFORESTATION AREA #1**

AREA = 2.0 AC  
700 TREES AND SHRUBS REQUIRED  
700 "T" S AND SHRUBS PROVIDED

SPECIES	SIZE	SPACING	QUANTITY	CATEGORY
ACER RUBRUM (RED MAPLE)	3' - 4' whip	11' X 11'	3'	TREE
LIRIODENDRON TULIPIFERA (TULIP POPLAR)	3' - 4' whip	11' X 11'	4'	TREE
QUERCUS ALBA (WHITE OAK)	3' - 4' whip	11' X 11'	5'	TREE
QUERCUS RUBRA (NORTHERN RED OAK)	3' - 4' whip	11' X 11'	6'	TREE
SASSAFRAS ALBIDUM (SASSAFRAS)	3' - 4' whip	11' X 11'	7'	TREE
LINDERA BENZOIN (SPICEBUSH)	18" - 24"	11' X 11'	8'	SHRUB
VIBURNUM ACERIFOLIUM (MAPLELEAF VIBURNUM)	18" - 24"	11' X 11'	9'	SHRUB
VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	18" - 24"	11' X 11'	10'	SHRUB

**REFORESTATION AREA #2**

AREA = 0.4 AC  
140 TREES AND SHRUBS REQUIRED  
140 TREES AND SHRUBS PROVIDED

SPECIES	SIZE	SPACING	QUANTITY	CATEGORY
ACER RUBRUM (RED MAPLE)	3' - 4' whip	11' X 11'	13	TREE
LIRIODENDRON TULIPIFERA (TULIP POPLAR)	3' - 4' whip	11' X 11'	14	TREE
QUERCUS ALBA (WHITE OAK)	3' - 4' whip	11' X 11'	15	TREE
QUERCUS RUBRA (NORTHERN RED OAK)	3' - 4' whip	11' X 11'	16	TREE
SASSAFRAS ALBIDUM (SASSAFRAS)	3' - 4' whip	11' X 11'	17	TREE
LINDERA BENZOIN (SPICEBUSH)	18" - 24"	11' X 11'	18	SHRUB
VIBURNUM ACERIFOLIUM (MAPLELEAF VIBURNUM)	18" - 24"	11' X 11'	19	SHRUB
VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	18" - 24"	11' X 11'	20	SHRUB

**REFORESTATION AREA #3**

AREA = 0.2 AC  
70 TREES AND SHRUBS REQUIRED  
70 TREES AND SHRUBS PROVIDED

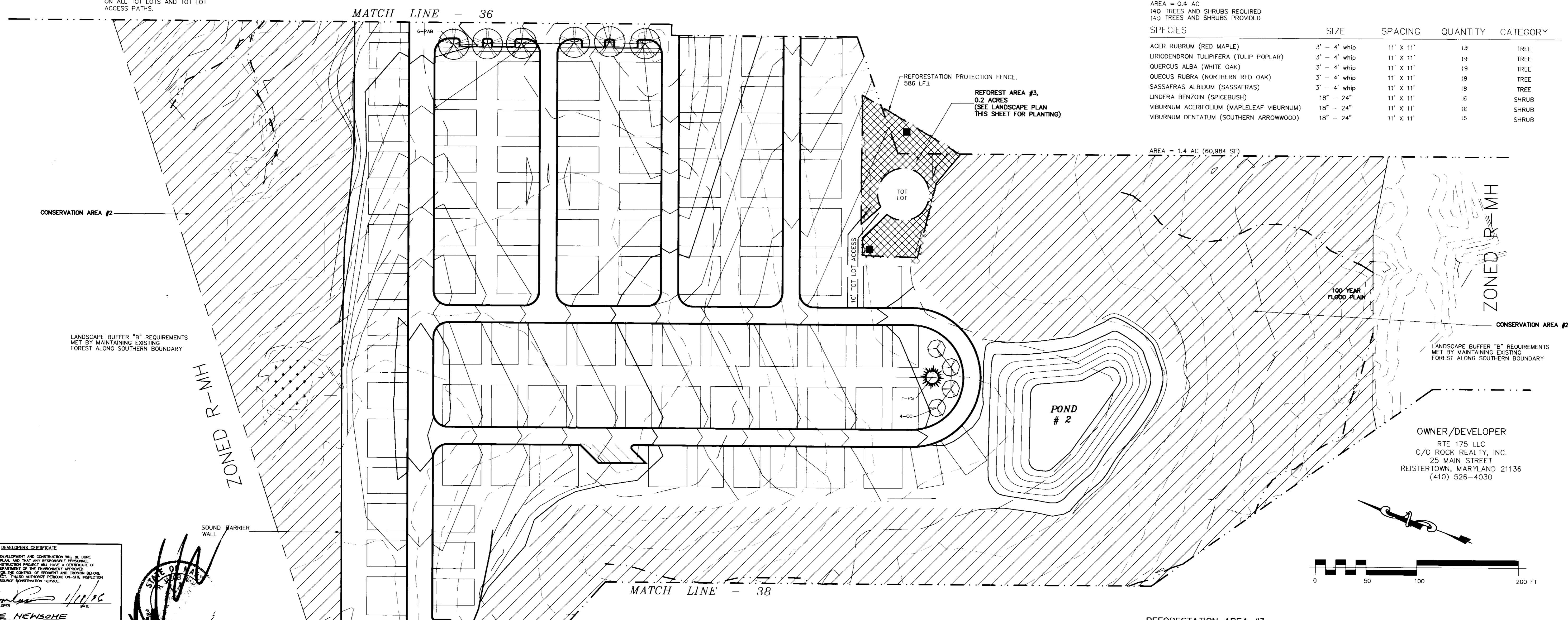
SPECIES	SIZE	SPACING	QUANTITY	CATEGORY
ACER RUBRUM (RED MAPLE)	3' - 4' whip	11' X 11'	9	TREE
LIRIODENDRON TULIPIFERA (TULIP POPLAR)	3' - 4' whip	11' X 11'	9	TREE
QUERCUS ALBA (WHITE OAK)	3' - 4' whip	11' X 11'	9	TREE
QUERCUS RUBRA (NORTHERN RED OAK)	3' - 4' whip	11' X 11'	10	TREE
SASSAFRAS ALBIDUM (SASSAFRAS)	3' - 4' whip	11' X 11'	11	TREE
LINDERA BENZOIN (SPICEBUSH)	18" - 24"	11' X 11'	12	SHRUB
VIBURNUM ACERIFOLIUM (MAPLELEAF VIBURNUM)	18" - 24"	11' X 11'	13	SHRUB
VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	18" - 24"	11' X 11'	14	SHRUB

**REFORESTATION AREA #4**

AREA = 0.2 AC  
120 TREES AND SHRUBS REQUIRED  
120 TREES AND SHRUBS PROVIDED

SPECIES	SIZE	SPACING	QUANTITY	CATEGORY
ACER RUBRUM (RED MAPLE)	3' - 4' whip	11' X 11'	14	TREE
LIRIODENDRON TULIPIFERA (TULIP POPLAR)	3' - 4' whip	11' X 11'	14	TREE
QUERCUS ALBA (WHITE OAK)	3' - 4' whip	11' X 11'	14	TREE
QUERCUS RUBRA (NORTHERN RED OAK)	3' - 4' whip	11' X 11'	14	TREE
SASSAFRAS ALBIDUM (SASSAFRAS)	3' - 4' whip	11' X 11'	14	TREE
LINDERA BENZOIN (SPICEBUSH)	18" - 24"	11' X 11'	12	SHRUB
VIBURNUM ACERIFOLIUM (MAPLELEAF VIBURNUM)	18" - 24"	11' X 11'	11	SHRUB
VIBURNUM DENTATUM (SOUTHERN ARROWWOOD)	18" - 24"	11' X 11'	11	SHRUB

*THIS PLAN SUBMITTED FOR REVIEW  
AND APPROVAL FOR GRADING AND  
STORMWATER MANAGEMENT, AND  
FOREST CONSERVATION REQUIREMENTS*



**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING PROVIDED BY THE DISTRICT. I ALSO ADVISE PERIODIC ON-SITE INSPECTION BY THE MAINTENANCE SUPERVISOR SERVICE.

*Wayne Hensche* 1/10/16  
DATE

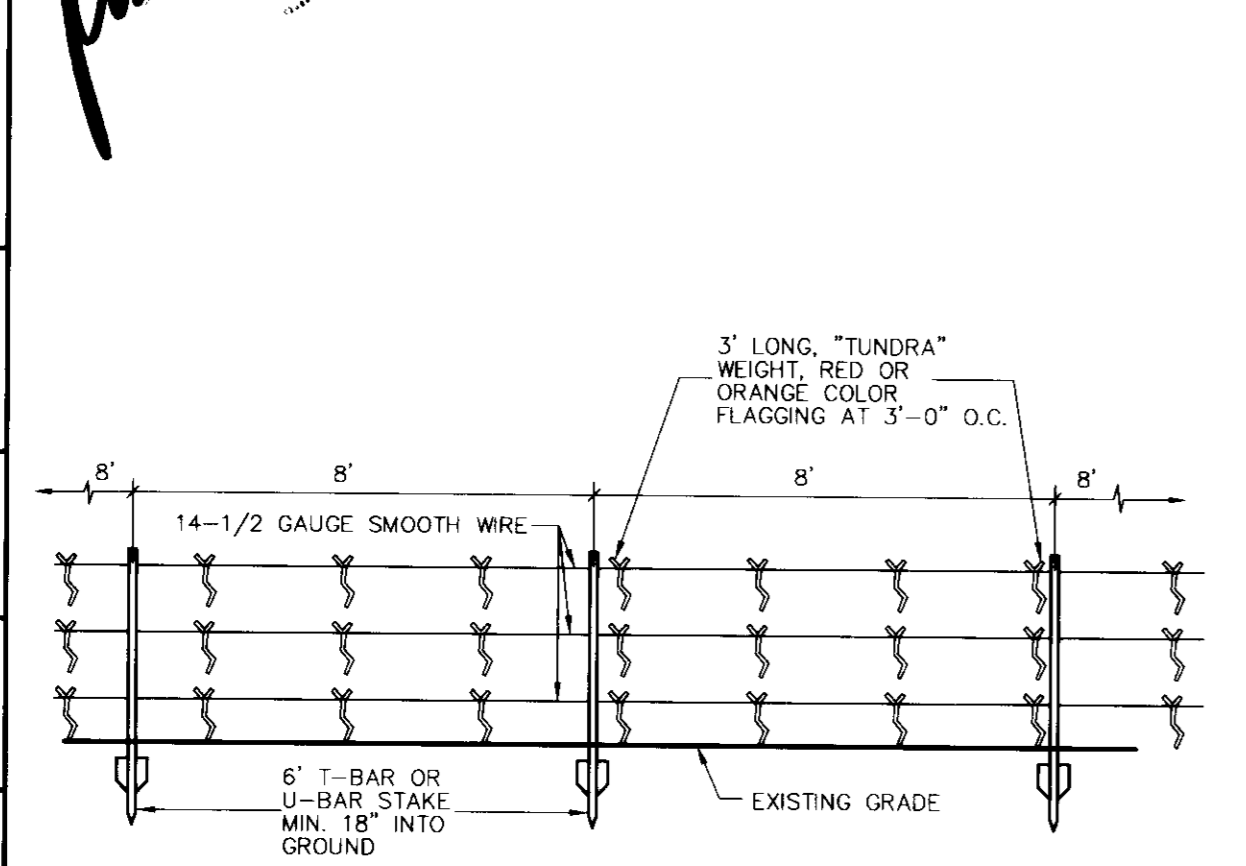
**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THE DESIGN OF EROSION AND SEDIMENT CONTROL MEASURES AND THE SOIL CONSERVATION DISTRICT TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*Patricia Engle* 2/16/16  
DATE

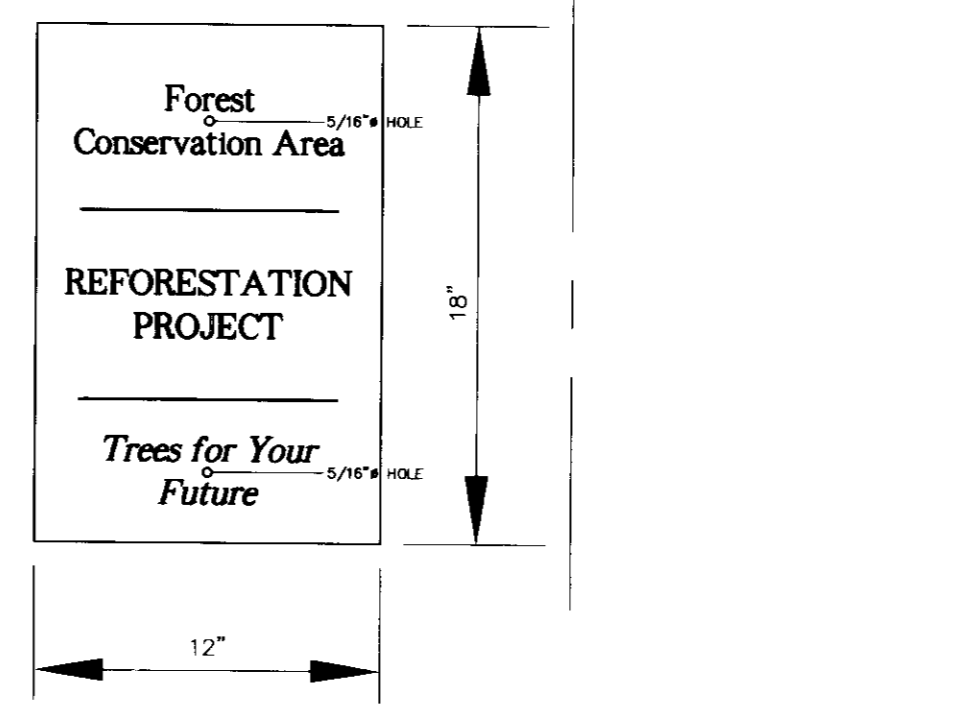
**ENGINEER'S SIGNATURE** DATE  
*Quinn J. Zimm* 3/12/16  
DATE

**APPROVED:** DEPARTMENT OF PLANNING AND ZONING  
*Quinn J. Zimm* 3/12/16  
DATE

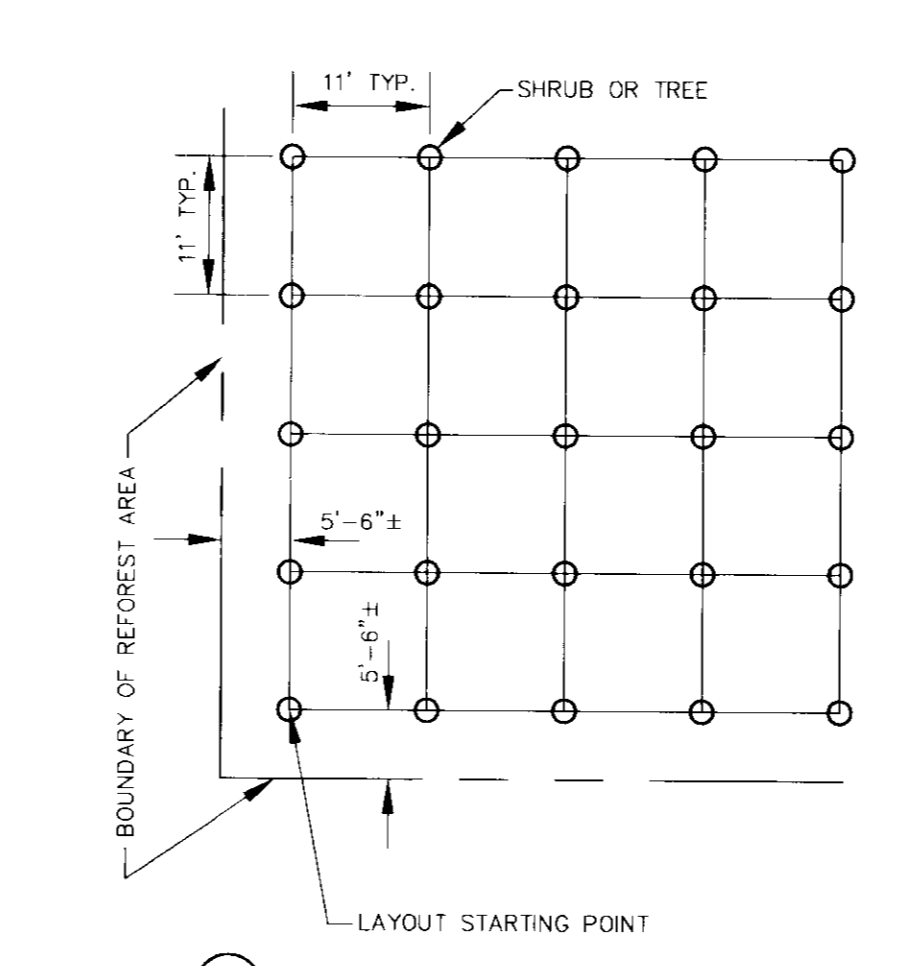
**CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH**  
*Quinn J. Zimm* 3/12/16  
DATE



1 REFORESTATION AREA PROTECTION FENCE DETAIL NO SCALE



2 REFORESTATION PROTECTION SIGN DETAIL NO SCALE



3 REFORESTATION SPACING DIAGRAM NO SCALE

NOTE: SIGNS ARE 0.093" ALUMINUM W/WHITE BACKGROUND AND BLACK LETTERS MOUNTED ON 6' 4x4 P.T. POST BURIED 24" IN GROUND.

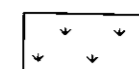
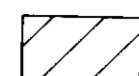

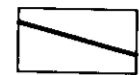


**TAX MAP 43, BLOCK 3, PARCELS 3,4,347, & P/O 3  
CORRIDOR ONE**

1ST ELECTION DISTRICT      HOWARD COUNTY, MARYLAND      LANDSCAPE PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Bal. (301) 621-5521 Wash. (410) 997-0298 Fax.

37 OF 39  
SDP-96-20

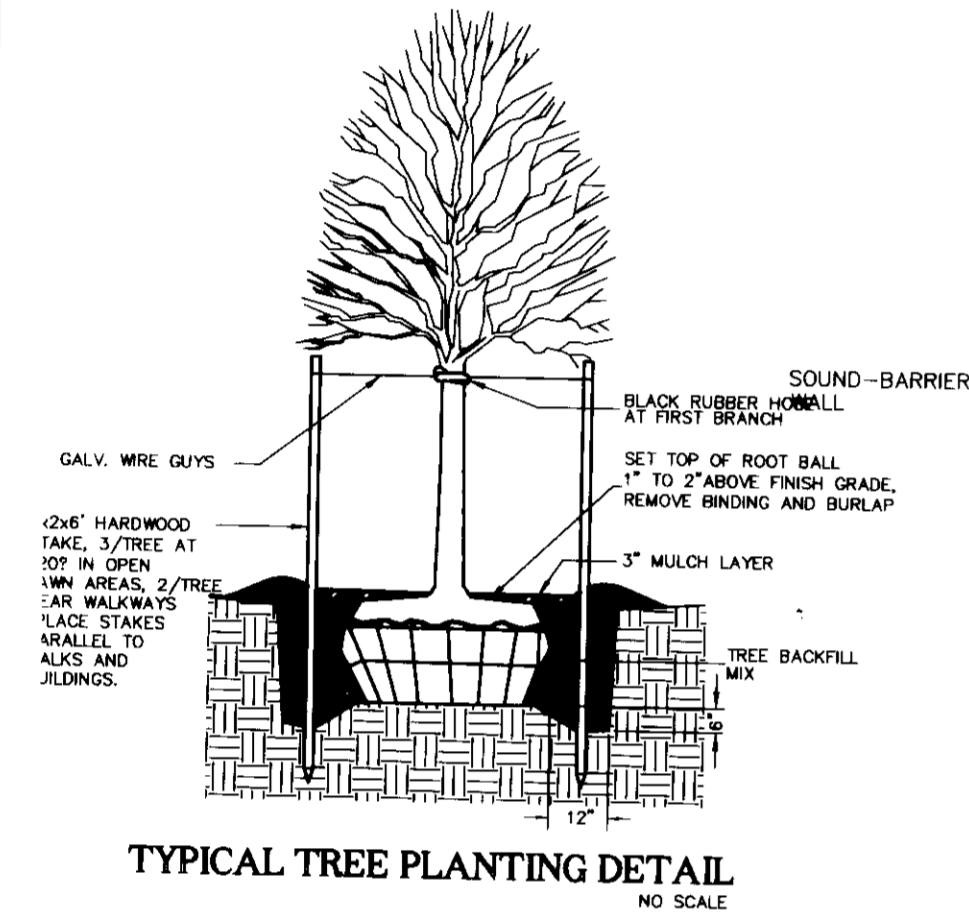
**CONSERVATION LEGEND**

-  WETLANDS
-  FOREST AREA TO BE RETAINED
-  REFORESTED AREAS
-  REFORESTED AREAS PROTECTION FENCE
-  REFORESTED AREAS PROTECTION SIGN
-  SIGNIFICANT TREE TO REMAIN

NOTE:  
INSTALL 3" DEEP WOOD CHIP SURFACE  
ON ALL TOT LOTS AND TOT LOT  
ACCESS PATHS.

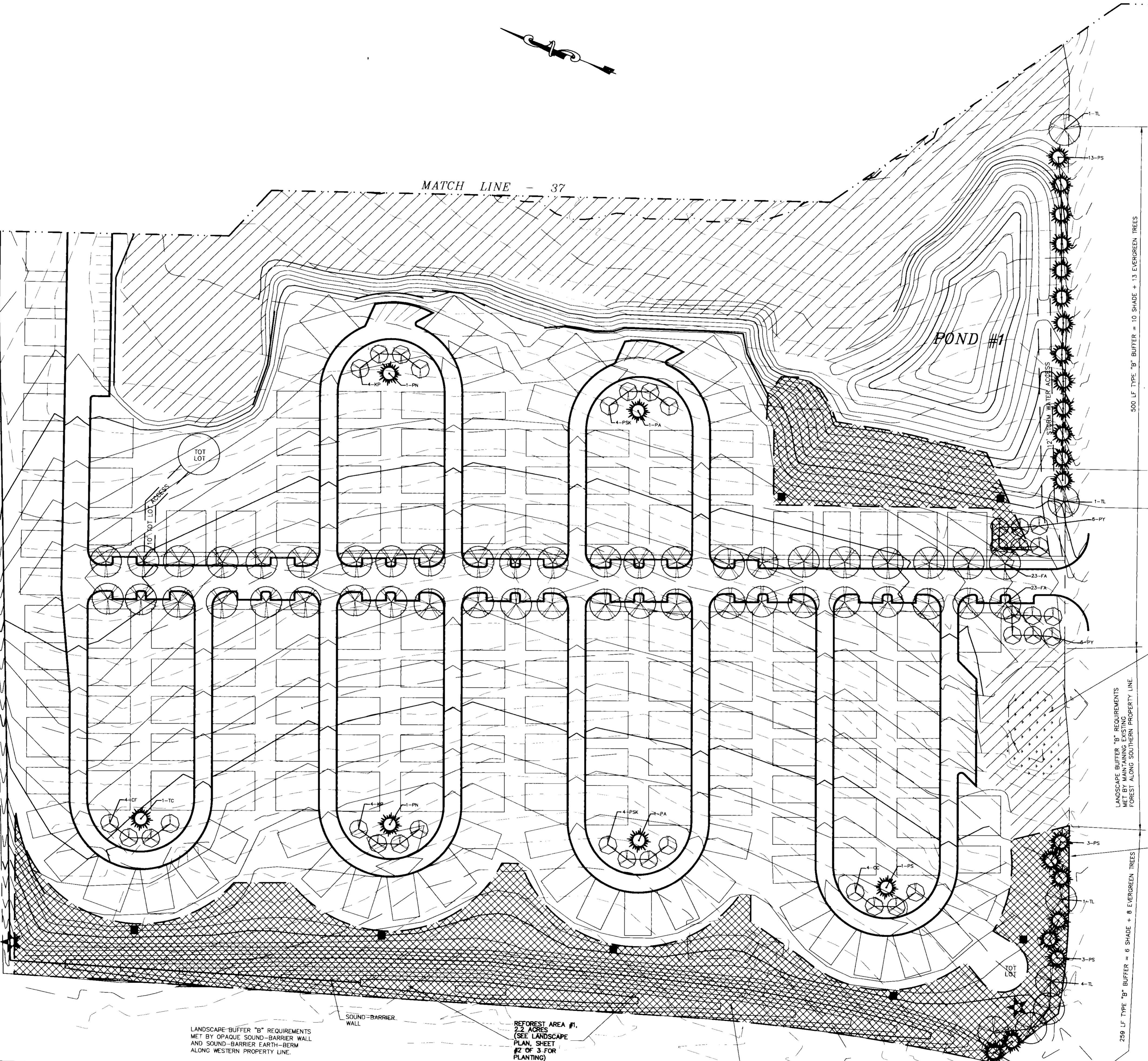


MATCH LINE - 37



LANDSCAPE BUFFER "B" REQUIREMENTS MET BY OPAQUE SOUND-BARRIER WALL ALONG NORTHERN PROPERTY LINE.

ZONED R-MH



ZONED R-MH

ZONED M-1

REFOREST AREA PROTECTION FENCE, 745 LF±

REFOREST AREA #2, 0.4 ACRES (SEE LANDSCAPE PLAN, SHEET #2 OF 3 FOR PLANTING)

CONSERVATION AREA #1

REFOREST AREA PROTECTION FENCE, 2,785 LF±

REFOREST AREA #1, 2.2 ACRES (SEE LANDSCAPE PLAN, SHEET #2 OF 3 FOR PLANTING)

LANDSCAPE BUFFER "B" REQUIREMENTS MET BY MAINTAINING EXISTING FOREST ALONG SOUTHERN PROPERTY LINE.

250' LF TYPE "B" BUFFER = 8 SHADE + 8 EVERGREEN TREES

500' LF TYPE "B" BUFFER = 10 SHADE + 13 EVERGREEN TREES

LANDSCAPE BUFFER "B" REQUIREMENTS MET BY OPAQUE SOUND-BARRIER WALL AND SOUND-BARRIER EARTH-BERM ALONG WESTERN PROPERTY LINE.

SOUND-BARRIER EARTH BERM

OWNER/DEVELOPER  
RTE 175 LLC  
C/O ROCK REALTY, INC.  
25 MAIN STREET  
REISTERTOWN, MARYLAND 21136  
(410) 526-4030

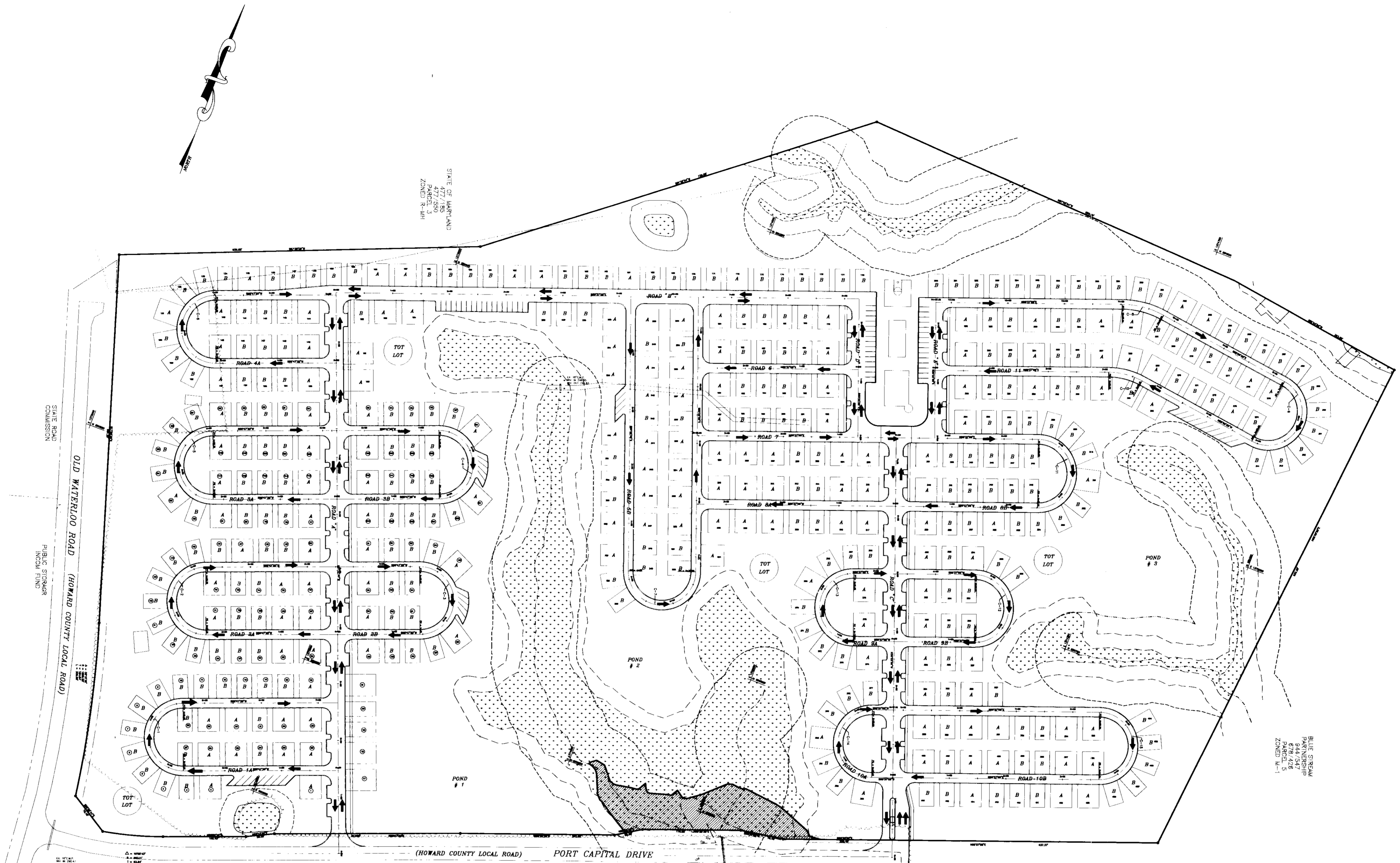
DEVELOPER'S CERTIFICATE	
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE IN A CONSTRUCTION TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I CERTIFY THAT THE PROJECT WILL BE INSPECTED BY THE NATURAL RESOURCE CONSERVATION SERVICE.	
<i>[Signature]</i>	1/18/96
EMANUE NEWACHE	PRINTED NAME OF DEVELOPER
ENGINEER'S CERTIFICATE	
I CERTIFY THAT THE PERSONS AND SERVICE CONTROL REPRESENTS AND SUPERVISORS OF THE PROJECT HAVE BEEN TRAINED AND CERTIFIED BY THE NATURAL RESOURCE CONSERVATION SERVICE.	
<i>[Signature]</i>	1/10/96
J. MAT	DATE
THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.	
<i>[Signature]</i>	2/16/96
PATRICIA COOPER	USDA-NATURAL RESOURCE CONSERVATION SERVICE
THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEETS THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION DISTRICT.	
<i>[Signature]</i>	2/16/96
ROBERT W. JUBIN	DATE
ENGINEER'S SIGNATURE DATE	
<i>[Signature]</i>	3/6/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	3/12/96
AND RESEARCH	DATE
<i>[Signature]</i>	3/19/96
DIRECTOR	DATE

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

Project	94044	date	JAN 96
Illustration	MP/RAS	engineering	
scale	1"=50'	approval	
no.		revisors	

TAX MAP 43, BLOCK 3, PARCELS 3,4,347, & P/O 3  
**CORRIDOR ONE**  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
LANDSCAPE PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dressel Hill Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0286 Bldg. (301) 621-5521 Res. (410) 997-0286 Fax.



**DEVELOPER'S CERTIFICATE**  
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/15/96  
 SIGNATURE OF DEVELOPER DATE  
**E. WAYNE NENSOME**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]* 1/10/96  
 SIGNATURE OF ENGINEER DATE  
**ROBERT W. ZIEHL**  
 PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

*[Signature]* 2/16/96  
 SIGNATURE OF REVIEWER DATE  
**PATRICIA ENGLE**  
 USDA-NATURAL RESOURCE CONSERVATION SERVICE

THIS PLAN FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]* 2/16/96  
 SIGNATURE OF REVIEWER DATE  
**ROBERT W. ZIEHL**  
 HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATION

ENGINEER'S SIGNATURE DATE  
 APPROVED: DEPARTMENT OF PLANNING AND ZONNING  
*[Signature]* 3/6/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*[Signature]* 3/12/96  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE  
*[Signature]* 3/14/96  
 DIRECTOR DATE

THIS PLAN SUBMITTED FOR REVIEW AND APPROVAL FOR GRADING AND STORMWATER MANAGEMENT, AND FOREST CONSERVATION REQUIREMENTS

OWNER/DEVELOPER  
 RTE 175 LLC  
 C/O ROCK REALTY, INC.  
 25 MAIN STREET  
 REISTERTOWN, MARYLAND 21136  
 (410) 526-4030

94044	JAN 96	M.P.	M.P.	1"=100'
-------	--------	------	------	---------

TAX MAP 43, PARCEL 4, 347 & P/O 3  
**CORRIDOR ONE**  
 1ST ELECTION DISTRICT HOWARD COUNTY  
 TRAFFIC CIRCULATION PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Fax (301) 621-5521 Wash. (410) 997-0298 Fax