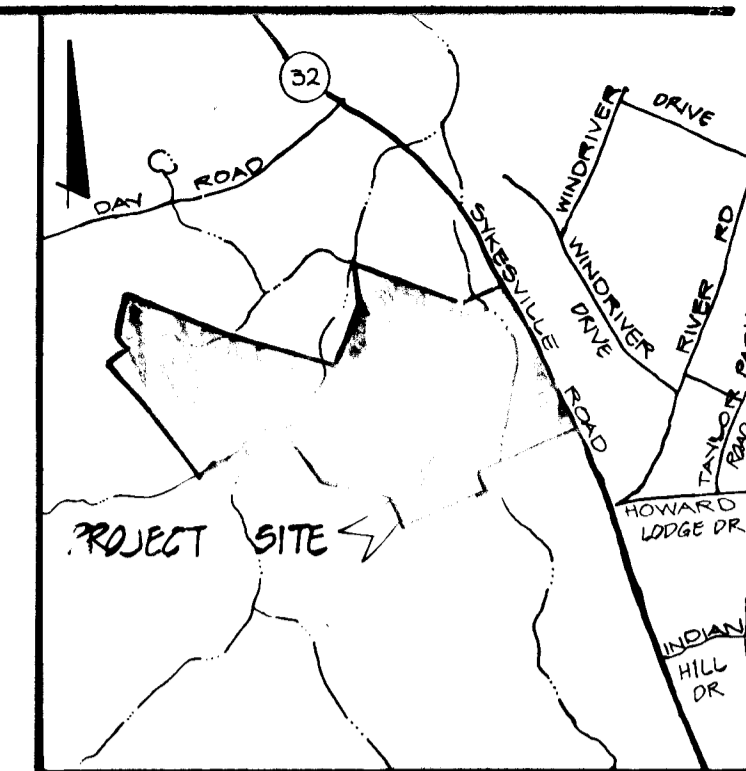
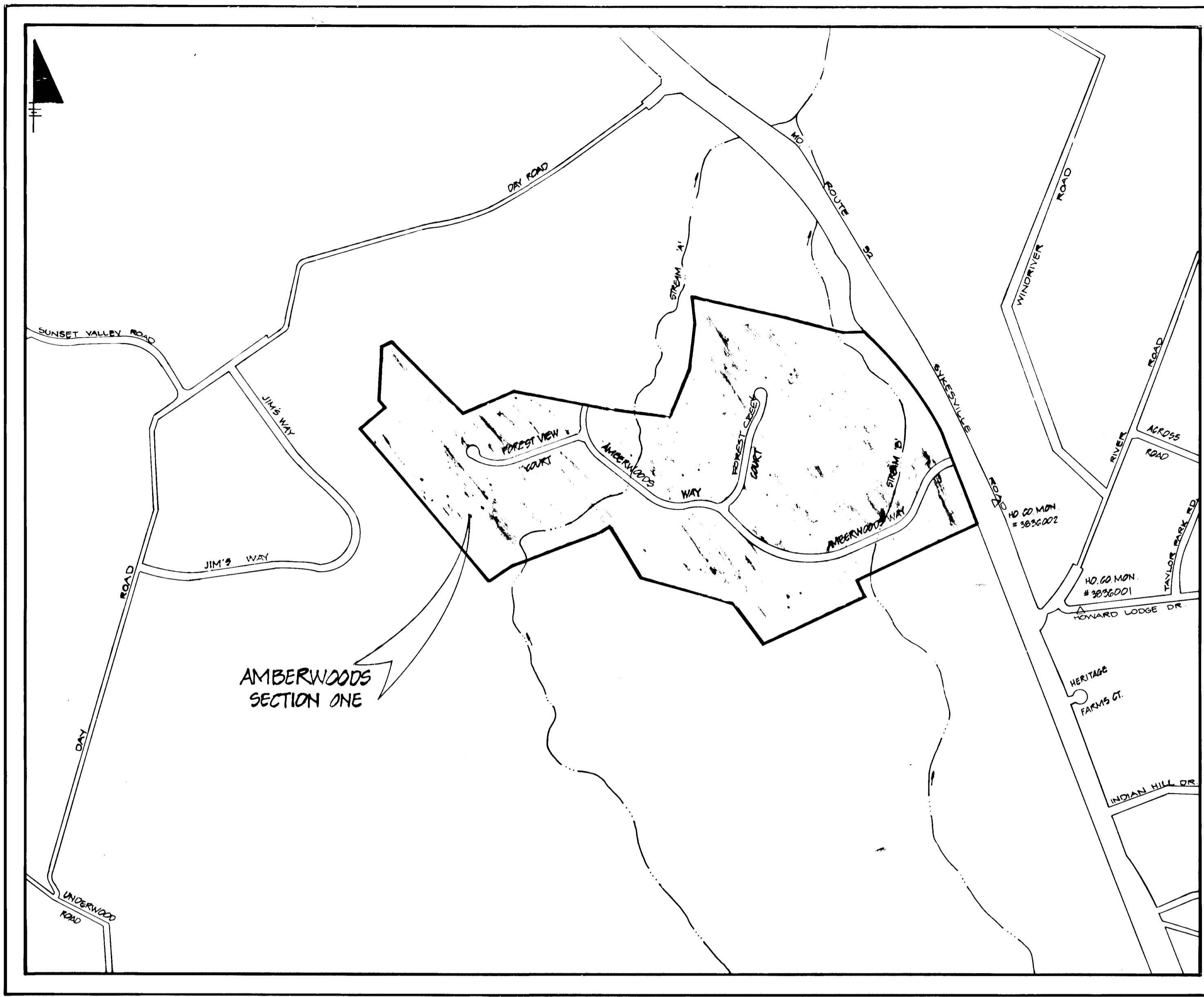


INDEX OF SHEETS	
SHEET NO.	TITLE
1	TITLE SHEET
2	PLAN & PROFILE - MD. ROUTE 32
3	PLAN & PROFILE - AMBERWOODS WAY
4	PLAN & PROFILE - AMBERWOODS WAY
5	PLAN & PROFILE - AMBERWOODS WAY
6	PLAN & PROFILE - FOREST CREEK COURT
7	PLAN & PROFILE - FOREST VIEW COURT
8	ROAD SECTIONS, DETAILS, STORM DRAIN PROFILES
9	STORM DRAIN PROFILES
10	STORM DRAIN CULVERT DETAILS
11	DRAINAGE AREA MAP
12	DRAINAGE AREA MAP
13	GRADING AND SEDIMENT CONTROL PLAN
14	GRADING AND SEDIMENT CONTROL PLAN
15	GRADING AND SEDIMENT CONTROL PLAN
16	SEDIMENT CONTROL DETAILS



VICINITY MAP  
SCALE: 1" = 2000'



LOCATION MAP  
SCALE: 1" = 600'

# AMBERWOODS SECTION ONE ROAD CONSTRUCTION DRAWINGS 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. (DESIGN MANUAL - VOL. IV)
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY CODE.
4. ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE 792-7272.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1984 EDITION.

**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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas P. Wiley* 6-20-88  
DATE

**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Kenneth D. Mahon* 6/20/88  
DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*James M. Helms* 9-23-88  
DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Paul Robertson* 9/23/88  
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Paul J. J. Layton* 1-15-88  
DATE

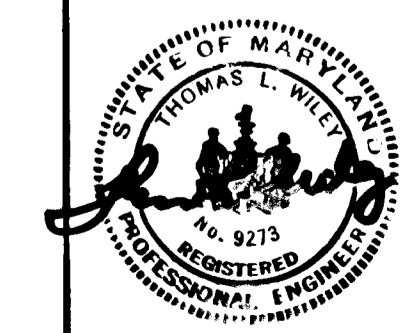
APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Emmett Johnson* 10/27/88  
DATE

*Dawnelle W. Weikand* 11/02/88  
DATE

*Deanna B. Ray* 11-17-88  
DATE

DESIGNED		DATE		BY		DESCRIPTION	
J.P. HANNA	12/31/87	5/2/88	DD	PER HO CO COMMENTS DATED 4/15/88			
W.E. OWENS	12/31/87						
B.D. BURTON	12/31/87						
T.L. WILEY	1/19/88						

**Dewberry & Davis**  
ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
3300 N. RIDGE ROAD SUITE 100  
ELLICOTT CITY, MD. 21043  
(301) 461-7478



OWNER / DEVELOPER  
NV LAND, INC.  
6820 ELM STREET  
MCLEAN, VIRGINIA 22101  
(703) 734-9730

TITLE SHEET  
**AMBERWOODS**  
SECTION ONE  
LOT 1 THRU LOT 42  
TAX MAP 9 PARCEL 4 & 144  
3 RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

PREVIOUS SUBMITTALS: S-87-42  
P-87-59, VP-87-65

SCALE: AS SHOWN  
DATE: DEC 31, 1987  
SHEET 1 OF 16

1399

**ENGINEER'S CERTIFICATE**

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

*Thomas L. Wiley* 6-20-88  
 THOMAS L. WILEY, MD REG. NO. 5273 DATE

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY."

*Kenneth S. Malm* 6/25/89  
 KENNETH S. MALM, N.V. LAND, INC. DATE

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

*John R. Robertson* 9-23-88  
 U.S. SOIL CONSERVATION SERVICE DATE

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

*John R. Robertson* 9/23/88  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED OFFICE OF PLANNING AND ZONING

*Mark J. Campbell* 11-17-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Donald W. Jessom* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*Francis W. Wescott* 11/02/88  
 CHIEF, BUREAU OF HIGHWAYS DATE

*William E. Ray* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING DATE

**NOTES**

- CONTRACTOR SHALL SALVAGE EX. GUARDRAIL STA. 122+05 TO STA. 124+80 RIGHT AND STA. 125+00 TO STA. 126+00 LEFT, RELOCATE TO 2' OFF EDGE OF PROPOSED DRIVEWAY LANE. STA. 126+00 TO STA. 127+00 LEFT, RELOCATE TO 2' OFF EDGE OF PROPOSED DRIVEWAY LANE.
- CONTRACTOR SHALL TRANSITION PROPOSED FULL WIDTH PAVING TO EX. T&E CHIP SHOULDER ALONG ALL WIDENING LANES.
- EXISTING ACCESS TO MARSHLAND ROUTE 32 FROM THE D. RICHARD ARKINGTON PARCEL WILL BE ABANDONED. PROPOSED DRIVEWAY AND DRIVEWAY TO THIS PARCEL WILL BE ACCESSED BY AMBERWOODS WAY.
- ALL CONSTRUCTION WITHIN MD. ROUTE 32 RIGHT-OF-WAY AND TO STA. 1+16 AMBERWOODS WAY SHALL BE TO MD. DEPT. OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION CONSTRUCTION SPECIFICATIONS AND DETAILS.
- CONTRACTOR SHALL TRANSITION FULL HEIGHT CONCRETE CURBS AND GUTTER TO FULL HEIGHT STANDARD BITUMINOUS CURBS STARTING AT STA. 1+16 TO STA. 1+81 AMBERWOODS WAY.
- FOR CURVES CROSSING PROFILE AT STA. 1+58 AMBERWOODS WAY, SEE SHEET 16 OF 16.

REVISIONS		
DATE	BY	DESCRIPTION
6/2/88	DD	PER MD 22 COMMENTS DATED 4/15/88

**PAVING LEGEND**

- S.H.A. PAVING SECTION
- P-2 PAVING SECTION

NOTES:  
 1. FOR DETAILS OF PAVING SECTIONS, SEE SHEET 8 OF 16

**BENCHMARKS**

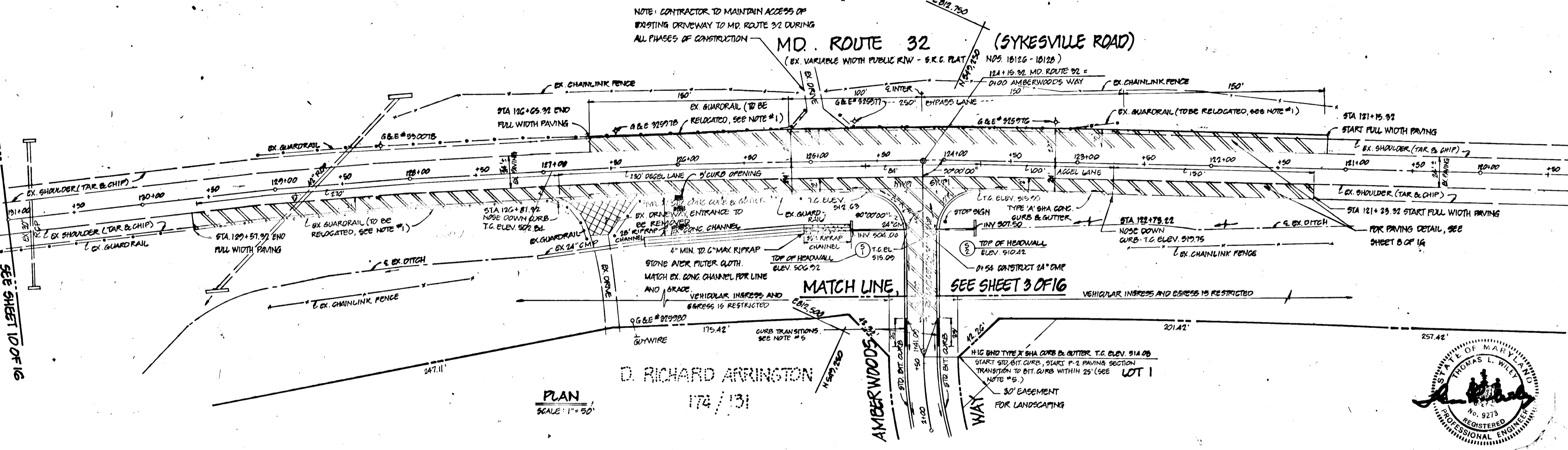
- HOWARD CO. MON. # 9850201 - ELEV. 541.649  
 CONCRETE MONUMENT 0.5' BELOW SURFACE EAST SIDE OF MD. ROUTE 32 0.2 MILE N.W. OF INTERSECTION OF RIVER ROAD AND MD. ROUTE 32
- HOWARD CO. MON. # 9850202 - ELEV. 570.081  
 3/4" REINFORCING ROD 0.4' BELOW SURFACE SOUTH SIDE OF HOWARD LODGE RD 200' EAST OF INTERSECTION OF RIVER ROAD AND MD. ROUTE 32

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SHOWN: \_\_\_\_\_  
 NOTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. OF WAY CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SHOWN: \_\_\_\_\_  
 NOTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NO. OF WAY CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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1399



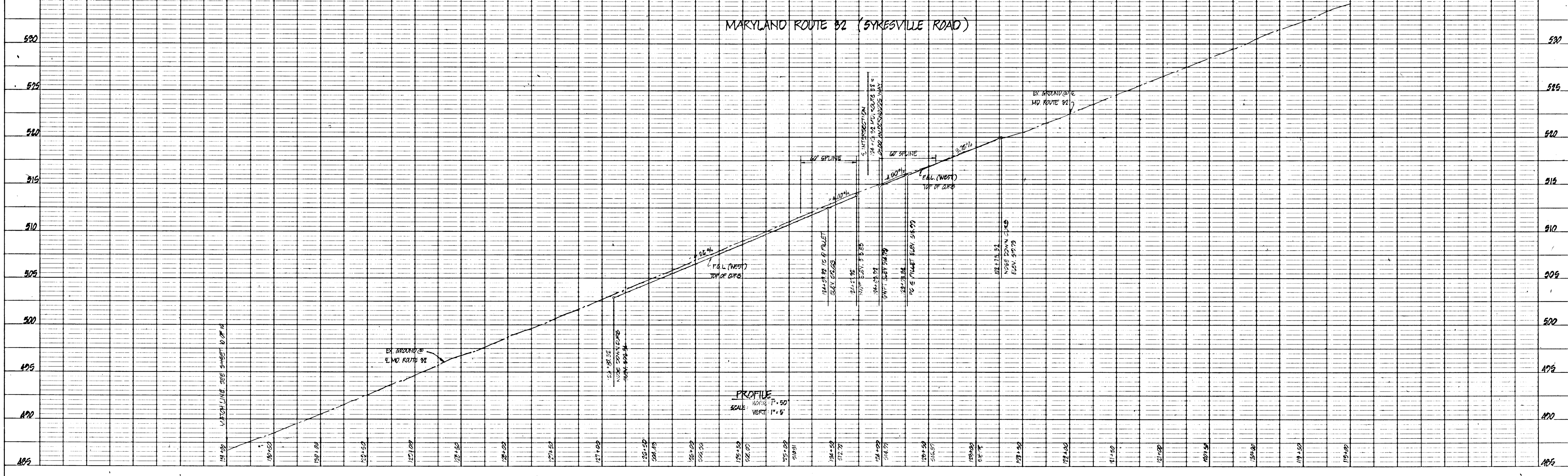
**AMBERWOODS SECTION ONE**  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**PLAN AND PROFILE MD. ROUTE 32**

OWNER / DEVELOPER  
 N.V. LAND, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

SCALE: AS SHOWN DATE: DEC. 31, 1987 DRWG 2 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

DEWBERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7478



REVISIONS		
DATE	BY	DESCRIPTION
9/21/88	D.P.	PER HQ COMMENTS DATED 4/15/88

PLAN  
 SUPPORTED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

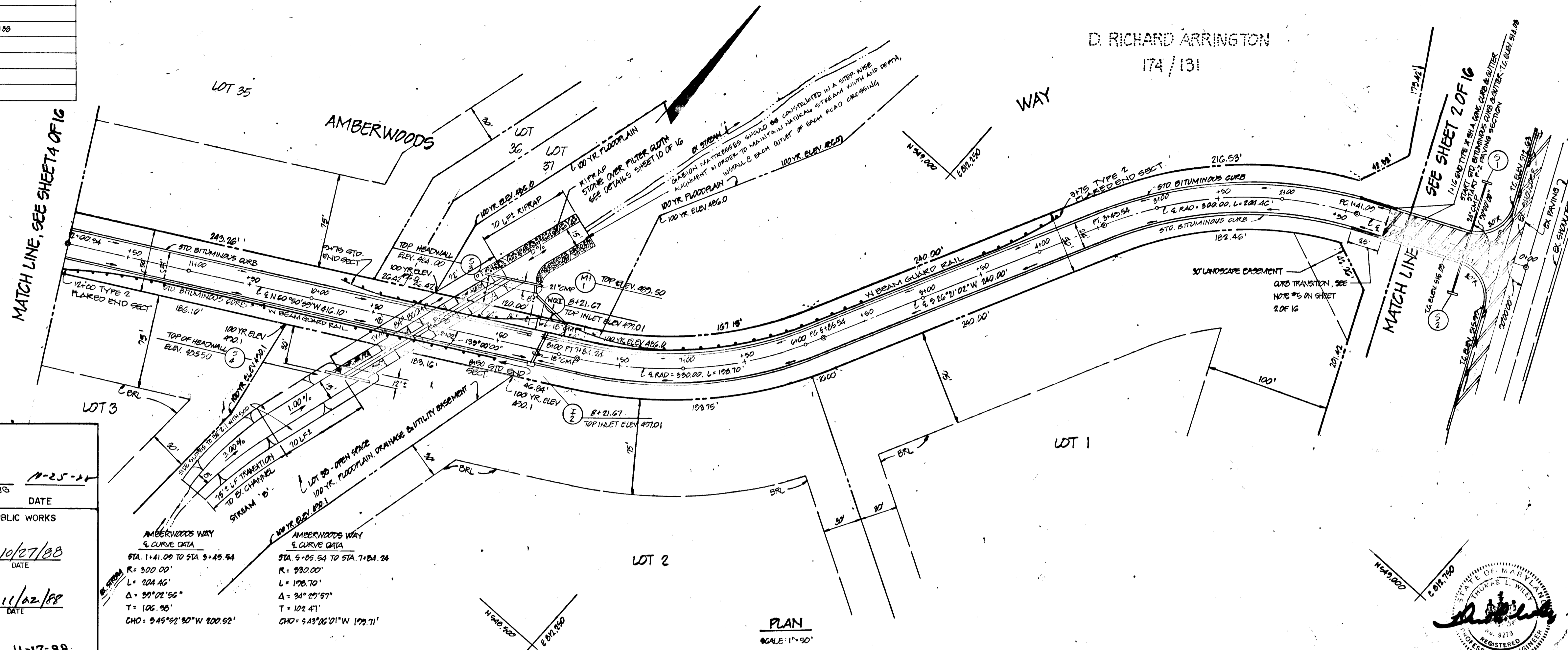
APPROVED: \_\_\_\_\_  
 OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 DATE: 11-25-88

APPROVED: \_\_\_\_\_  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF, LAND DEVELOPMENT DIVISION  
 DATE: 10/27/88

APPROVED: \_\_\_\_\_  
 BUREAU OF HIGHWAYS  
 CHIEF, BUREAU OF HIGHWAYS  
 DATE: 11/02/88

APPROVED: \_\_\_\_\_  
 BUREAU OF ENGINEERING  
 CHIEF, BUREAU OF ENGINEERING  
 DATE: 11-17-88

PROFILE  
 SUPPORTED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



- NOTES:
- FOR STORM DRAIN PROFILES, SEE SHEET 8 OF 16.
  - FOR QUARTZ PROFILES, SEE SHEET 9 OF 16 AND 10 OF 16.
  - FOR QUARTZ DETAILS, SEE SHEET 10 OF 16.
  - FOR WATER QUALITY CONTROL STRUCTURE DETAIL, SEE SHEET 9 OF 16.
  - PROVIDE BREAKS IN GUARD RAIL WHERE NEEDED FOR DRIVEWAY CONNECTIONS. USE STANDARD END SECTIONS.

PAVING LEGEND

- SHA PAVING SECTION
- P-2 PAVING SECTION

NOTES:

- FOR DETAILS OF PAVING SECTIONS, SEE SHEET 8 OF 16.

MD. ROUTE 32 (SYKESVILLE ROAD)  
 (SEE VERTICAL CURVE DATA - SEE PLAN 105, 101, 102, 103)

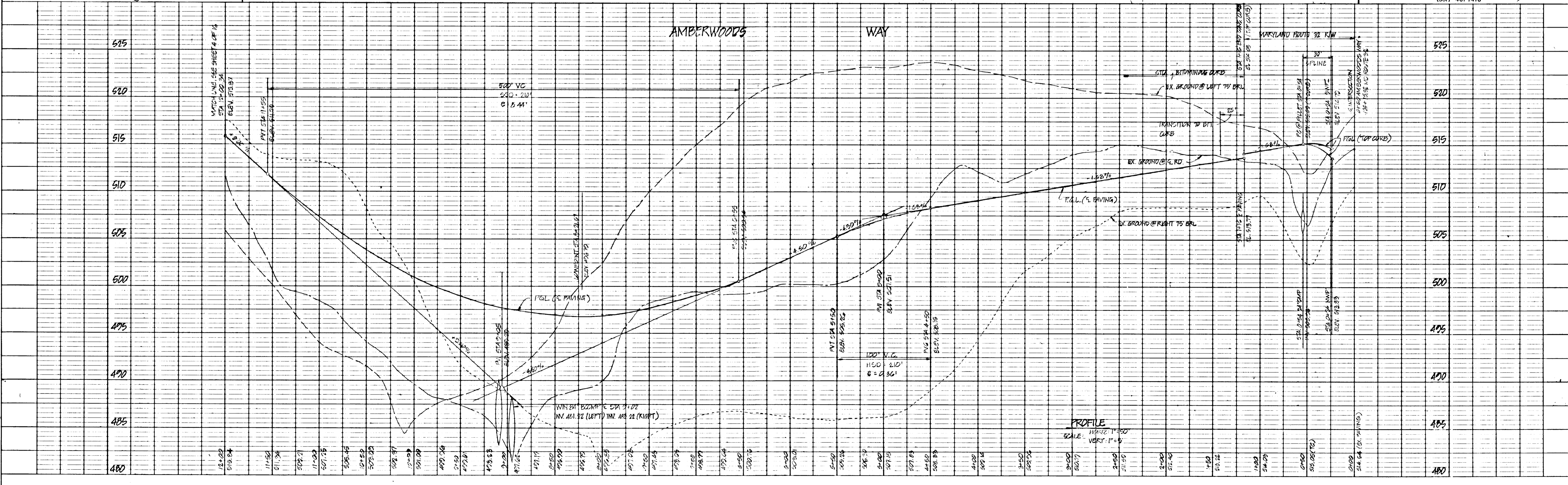
**AMBERWOODS SECTION ONE**  
 LOTS 1-42  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY MARYLAND

**PLAN AND PROFILE AMBERWOODS WAY**

OWNER / DEVELOPER  
 N.V. LAND, INC.  
 6800 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

SCALE: AS SHOWN DATE: DEC 31, 1987 DRAW: 3 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

DEWBERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7478



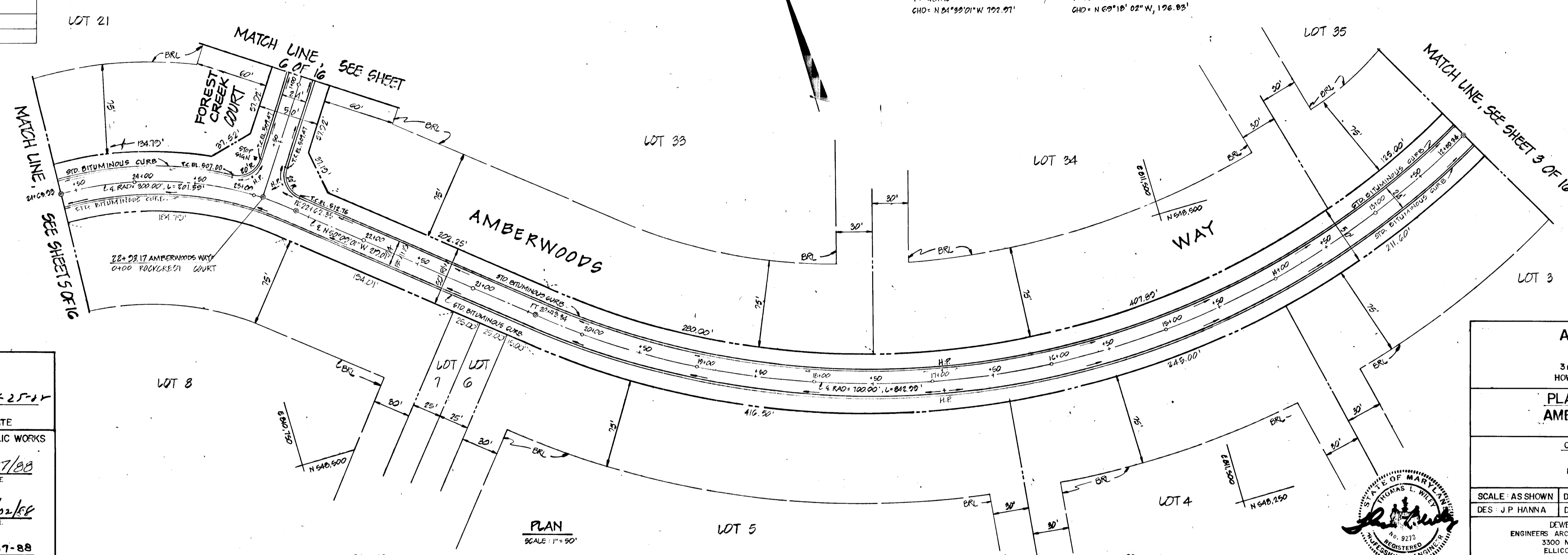
1399

REVISIONS		
DATE	BY	DESCRIPTION
5/2/86	DP	PER. NO. 80 COMMENTS REVISED. ALL SHOWN.

AMBERWOODS WAY  
 4. CURVE DATA  
 STA 12+00 TO STA 22+43.34  
 R = 100.00'  
 L = 842.99'  
 Δ = 60°00'00"  
 T = 481.10'  
 CHD = N 81°59'01" W 792.91'

AMBERWOODS WAY  
 4. CURVE DATA  
 STA 22+02.39 TO STA 24+10.09  
 R = 300.00'  
 L = 201.50'  
 Δ = 38°30'03"  
 T = 104.18'  
 CHD = N 60°10'02" W, 126.83'

NOTES:  
 1. FOR STORM DRAIN PROFILES, SEE SHEET 8 OF 16  
 2. FOR CURVE PROFILES, SEE SHEET 9 OF 16 AND 16 OF 16



APPROVED OFFICE OF PLANNING AND ZONING  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 DATE 11-25-87

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF, LAND DEVELOPMENT DIVISION  
 DATE 10/27/88

APPROVED: BUREAU OF HIGHWAYS  
 CHIEF, BUREAU OF HIGHWAYS  
 DATE 11/02/88

APPROVED: BUREAU OF ENGINEERING  
 CHIEF, BUREAU OF ENGINEERING  
 DATE 11-17-88

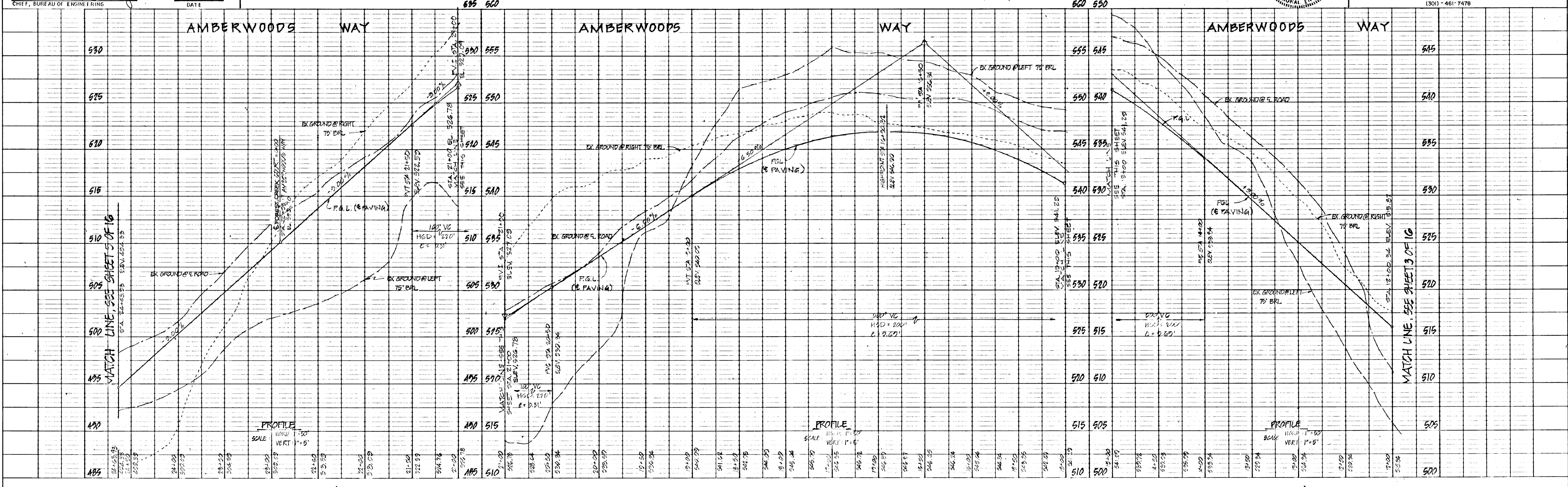
**AMBERWOODS SECTION ONE**  
 LOTS 1-42  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**PLAN AND PROFILE AMBERWOODS WAY**

OWNER / DEVELOPER  
 N.V. LAND, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9750

SCALE: AS SHOWN DATE: DEC. 31, 1987 DRWG 4 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

DEVERFERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7478



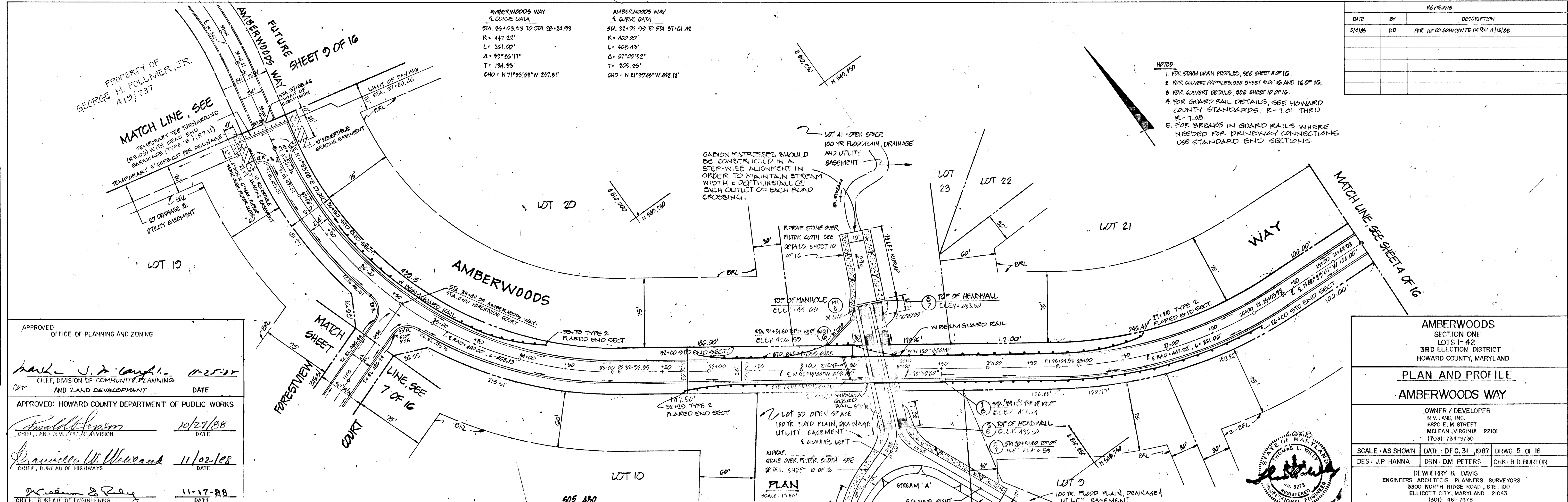
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REVISIONS		
DATE	BY	DESCRIPTION
5/1/88	D.D.	PER HQ COMMENTS DATED 4/15/88

- NOTES:
- FOR STORM DRAIN PROFILES, SEE SHEET 8 OF 16.
  - FOR CULVERT PROFILES, SEE SHEET 9 OF 16 AND 16 OF 16.
  - FOR GULCH DETAILS, SEE SHEET 10 OF 16.
  - FOR GUARD RAIL DETAILS, SEE HOWARD COUNTY STANDARDS, K-7.01 THRU K-7.05.
  - FOR BREAKS IN GUARD RAILS WHERE NEEDED FOR DRIVEWAY CONNECTIONS, USE STANDARD END SECTIONS.

AMBERWOODS WAY  
 & CURVE DATA  
 STA. 76+03.93 TO STA. 28+24.93  
 R= 441.22'  
 L= 261.00'  
 Δ= 99°16'17"  
 T= 134.93'  
 CHD= N 71°26'58" W 251.91'

AMBERWOODS WAY  
 & CURVE DATA  
 STA. 32+92.99 TO STA. 91+61.42  
 R= 400.00'  
 L= 408.49'  
 Δ= 67°25'52"  
 T= 208.25'  
 CHD= N 81°32'48" W 482.18'



APPROVED  
 OFFICE OF PLANNING AND ZONING

*Mark J. Campbell* 11-25-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Small Season* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION

*William W. Woodward* 11/02/88  
 CHIEF, BUREAU OF HIGHWAYS

*William S. Ray* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING

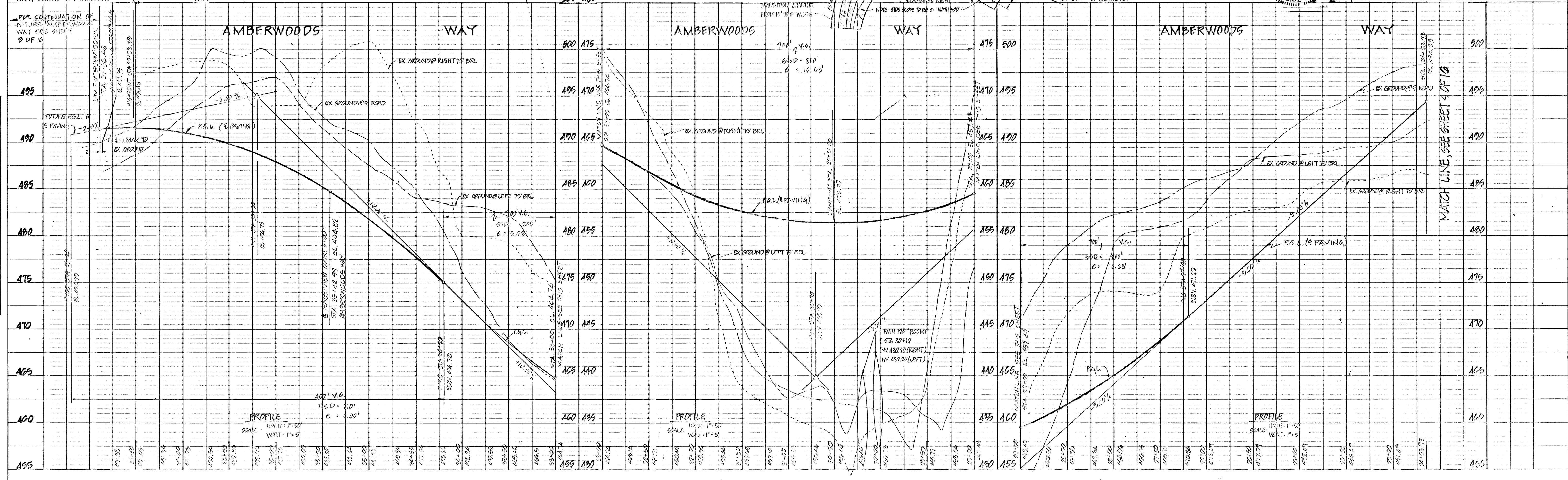
AMBERWOODS SECTION ONE  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

PLAN AND PROFILE  
 AMBERWOODS WAY

OWNER / DEVELOPER  
 N.V. LANG, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

SCALE: AS SHOWN DATE: DEC. 31, 1987 DRWG: 5 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

DEWITTEY & DAVIS ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7978



PLAN  
 SHEET 5 OF 5  
 DATE: 11-17-88

PROFILE  
 SHEET 5 OF 5  
 DATE: 11-17-88

1399

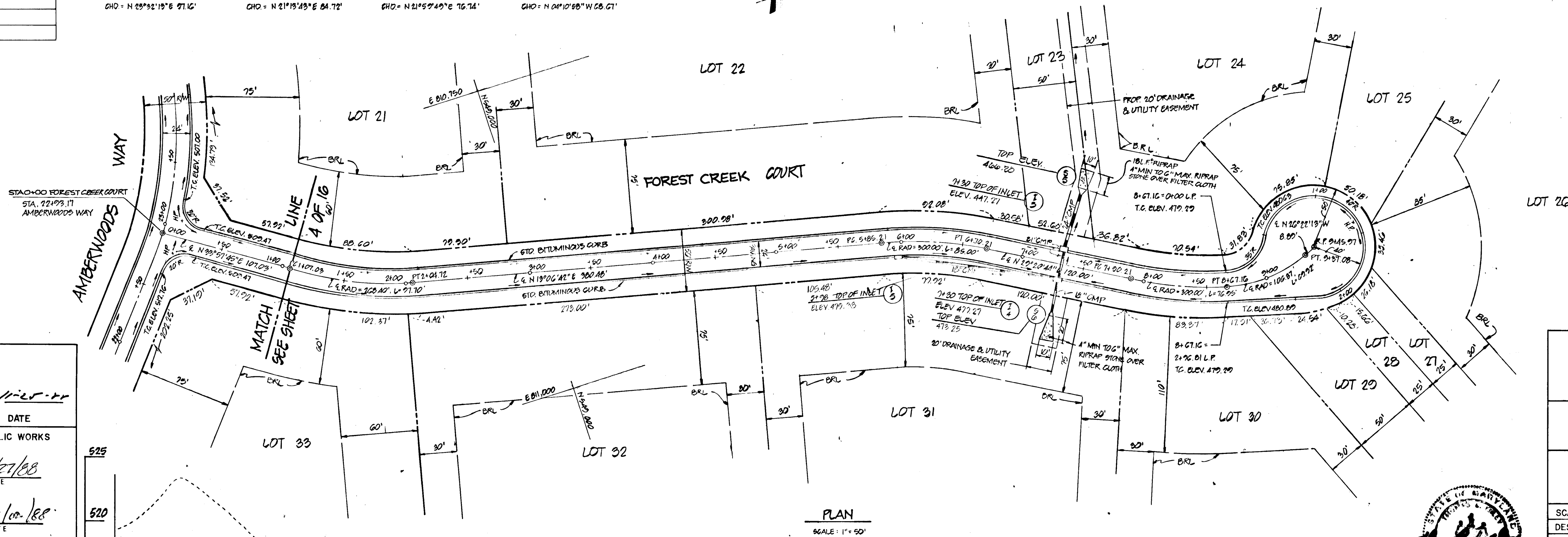
REVISIONS		
DATE	BY	DESCRIPTION
5/2/88	D.D.	PER HQ COMMENTS DATED 4/15/88

FOREST CREEK COURT C CURVE DATA	FOREST CREEK COURT C CURVE DATA	FOREST CREEK COURT C CURVE DATA	FOREST CREEK COURT C CURVE DATA
STA 1+07.09 TO STA 2+04.72 R= 300.00' L= 91.70' Δ= 27°51'03" T= 49.40' CHD= N 83°32'18"E 84.71'	STA 5+85.21 TO STA 6+10.21 R= 300.00' L= 89.00' Δ= 16°14'02" T= 42.79' CHD= N 21°15'43"E 84.72'	STA 7+00.21 TO STA 8+07.16 R= 300.00' L= 76.95' Δ= 14°41'50" T= 36.00' CHD= N 21°57'49"E 76.74'	STA 8+07.16 TO STA 9+37.08 R= 106.97' L= 69.72' Δ= 31°59'44" T= 36.28' CHD= N 04°10'58"W 68.67'

NOTES:  
1. FOR STORM DRAIN PROFILES, SEE SHEET B OF 16

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SUPPORTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 ALIGNMENT CHECKED: \_\_\_\_\_  
 FT. OF WAY CHECKED: \_\_\_\_\_  
 No. \_\_\_\_\_

APPROVED OFFICE OF PLANNING AND ZONING  
*[Signature]* 11-25-88  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT... DATE  
 APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 10/10/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE  
*[Signature]* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING DATE



AMBERWOODS SECTION ONE  
 LOTS 1-42  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

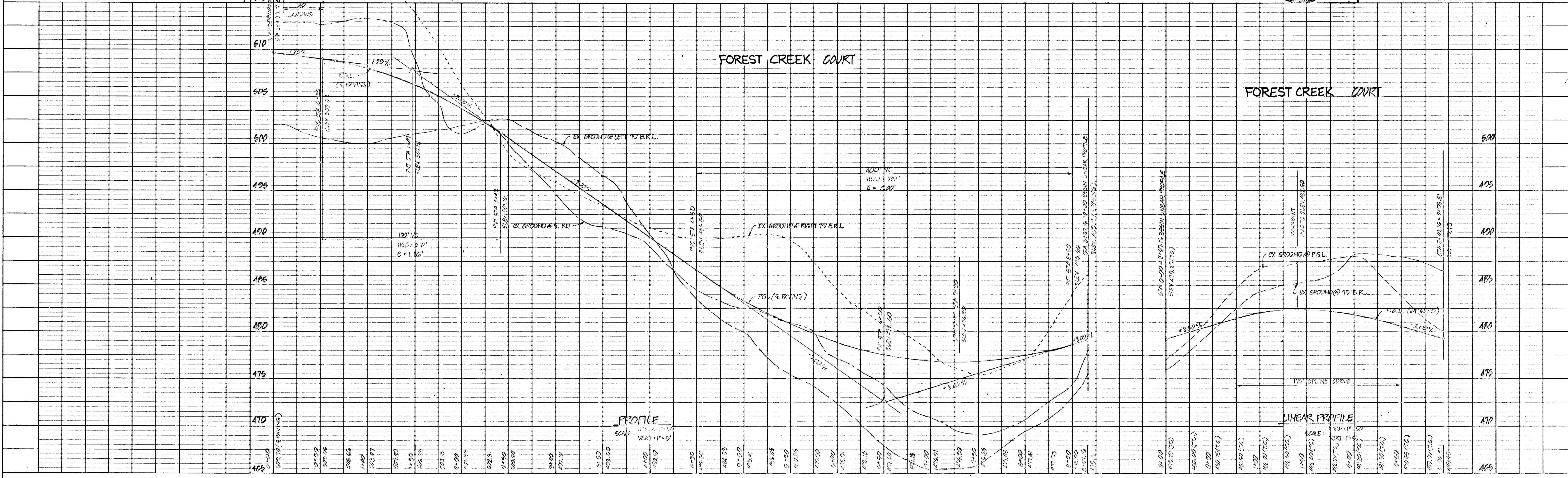
PLAN AND PROFILE  
 FOREST CREEK COURT

OWNER / DEVELOPER  
 N.V. LAND, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101

SCALE: AS SHOWN DATE: DEC. 31, 1987 DRWG 6 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

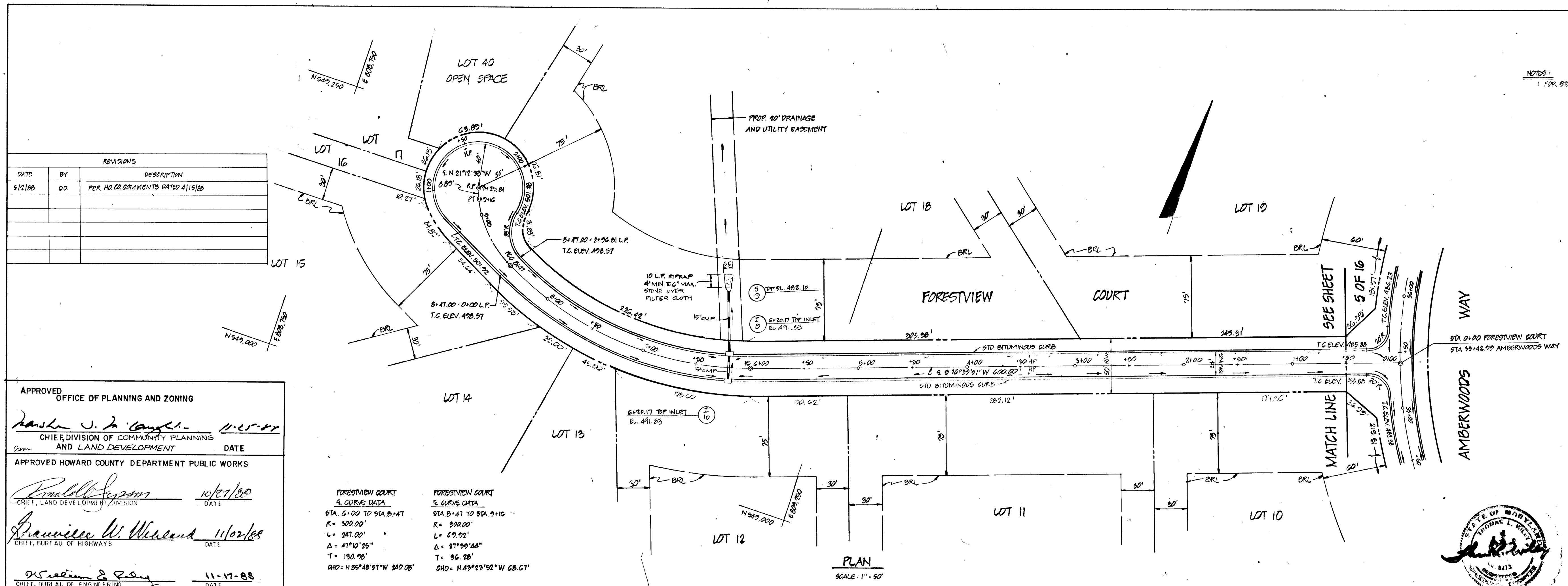
DE WIERRY & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-7478

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SUPPORTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 S. M. S. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 No. \_\_\_\_\_



1399

NOTES:  
1. FOR STORM DRAIN PROFILES, SEE SHEET 8 OF 16.



REVISIONS		
DATE	BY	DESCRIPTION
5/2/88	GD	PER HQ COMMENTS DATED 4/15/88

APPROVED OFFICE OF PLANNING AND ZONING  
*Handwritten signature* 11-17-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 DATE

APPROVED HOWARD COUNTY DEPARTMENT PUBLIC WORKS  
*Handwritten signature* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION  
 DATE

*Handwritten signature* 11/2/88  
 CHIEF, BUREAU OF HIGHWAYS  
 DATE

*Handwritten signature* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING  
 DATE

FORESTVIEW COURT  
 S. CURVE DATA  
 STA. 6+00 TO STA. 8+47  
 R = 300.00'  
 L = 241.00'  
 Δ = 41°10'25"  
 T = 130.00'  
 CHD = N 85°48'51" W 240.00'

FORESTVIEW COURT  
 S. CURVE DATA  
 STA. 8+47 TO STA. 9+16  
 R = 300.00'  
 L = 69.92'  
 Δ = 87°55'44"  
 T = 95.28'  
 CHD = N 43°23'52" W 68.67'

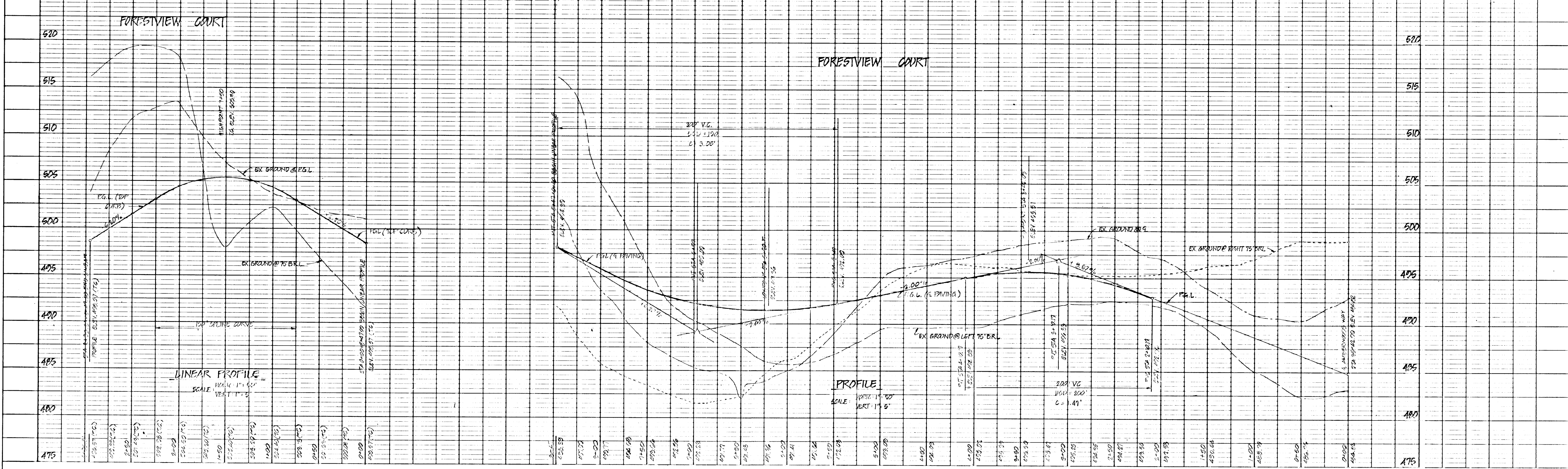
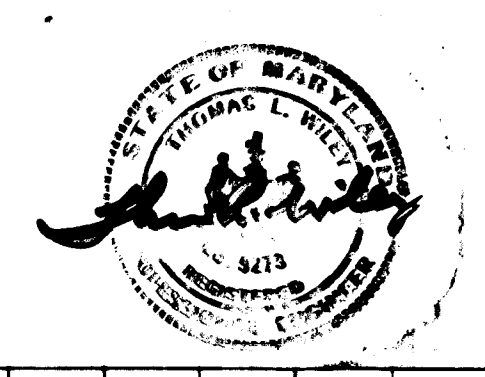
AMBERWOODS SECTION ONE  
 LOTS 1-42  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

PLAN AND PROFILE  
 FORESTVIEW COURT

OWNER/DEVELOPER  
 N.V. LAND, INC.  
 680 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

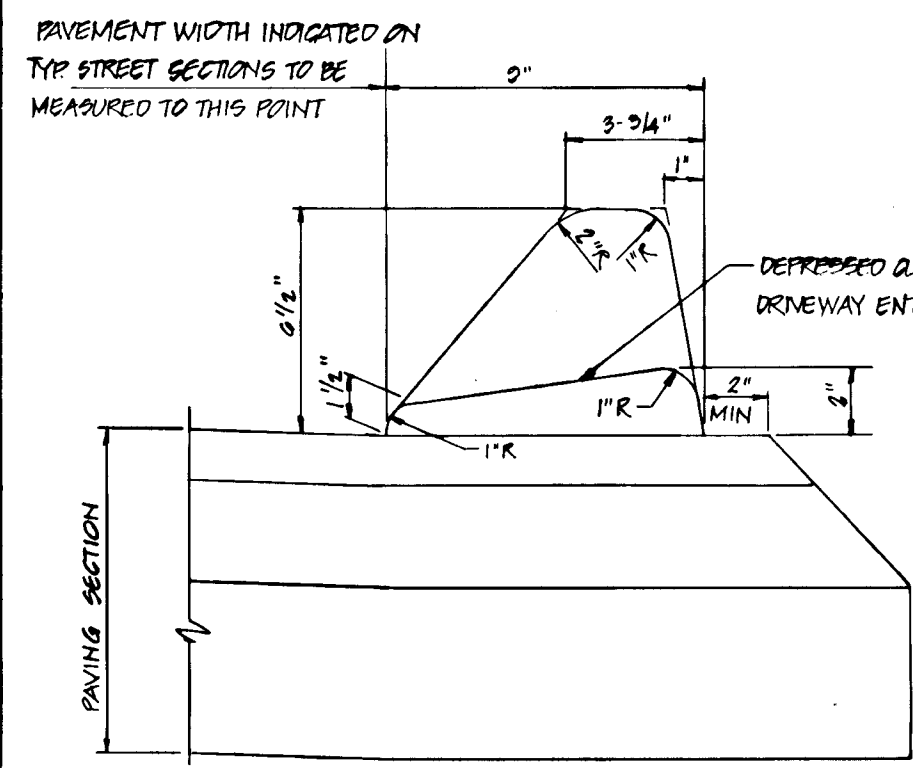
SCALE: AS SHOWN DATE: DEC. 31, 1987 DRWG: 7 OF 16  
 DES: J.P. HANNA DRN: D.M. PETERS CHK: B.D. BURTON

DEWEY BRYAN & DAVIS  
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD, STE. 100  
 E. LICOTT CITY, MARYLAND 21043  
 (301) 461-7478



1399

DATE  
BY  
SHIPPED  
PHOTD  
NOTE BOOK  
ADJUSTMENT CHECKED  
# OF WAY CHECKED  
No.



DATE	BY	DESCRIPTION
6/2/88	DD	PER HQ COMMENTS DATED 4/18/88
8/7/88	WJ	REV. TRAP #3 & PROFILE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

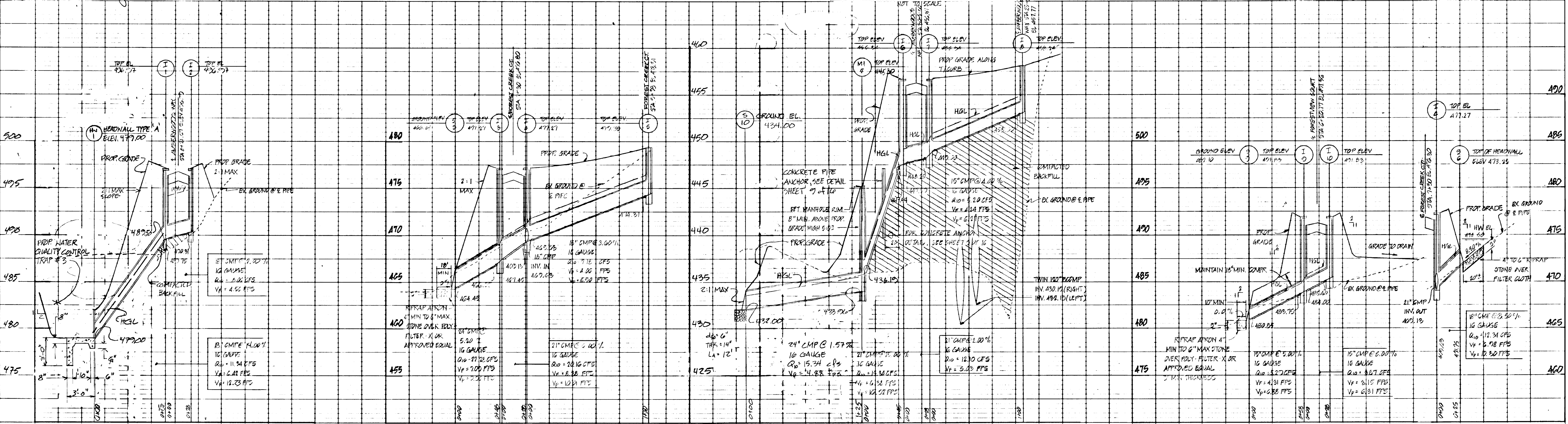
Mark S. Campbell - 11/25/87  
DATE  
PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Donald J. Somers - 10/27/88  
DATE  
DIVISION

Granville W. Woodard - 11/10/88  
DATE  
HIGHWAYS

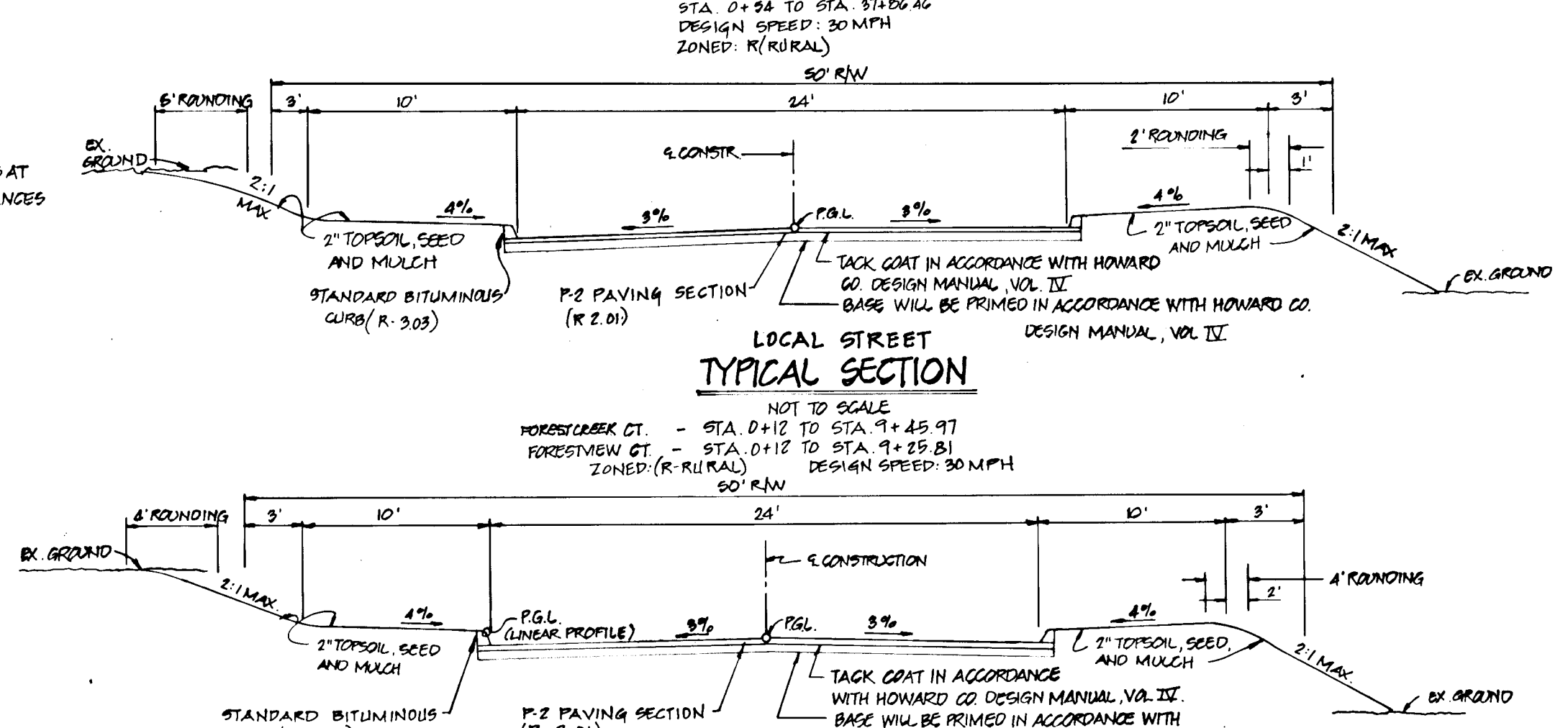
William S. Ray - 11/17/88  
DATE  
ENGINEERING



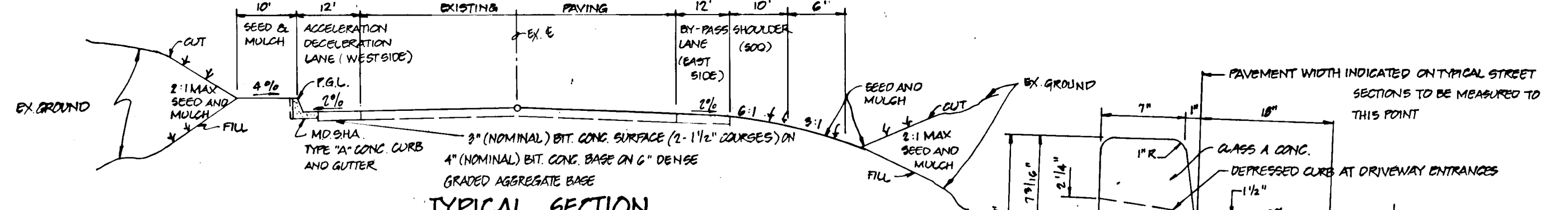
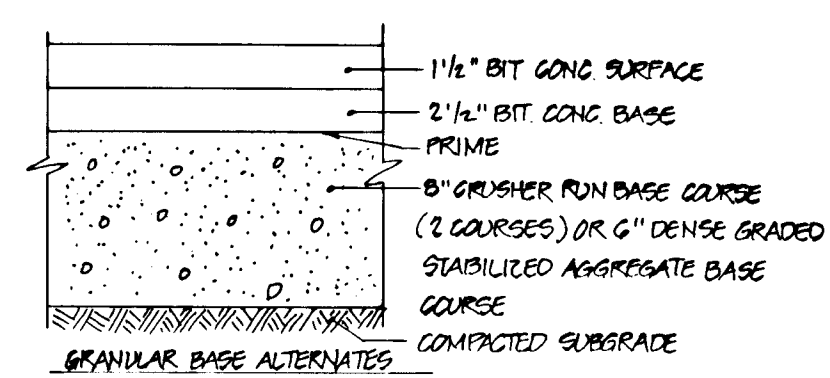
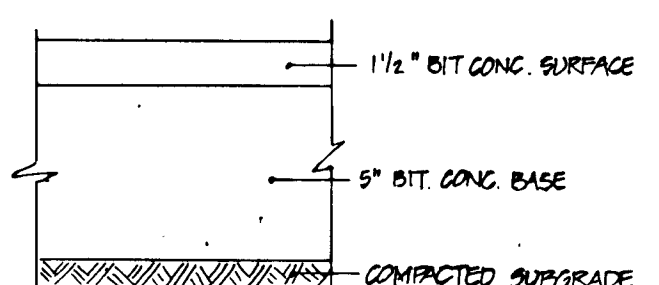
PROFILES  
SCALE: HORIZ: 1" = 50'  
VERT: 1" = 5'

DATE  
BY  
SHIPPED  
PHOTD  
NOTE BOOK  
ADJUSTMENT CHECKED  
# OF WAY CHECKED  
No.

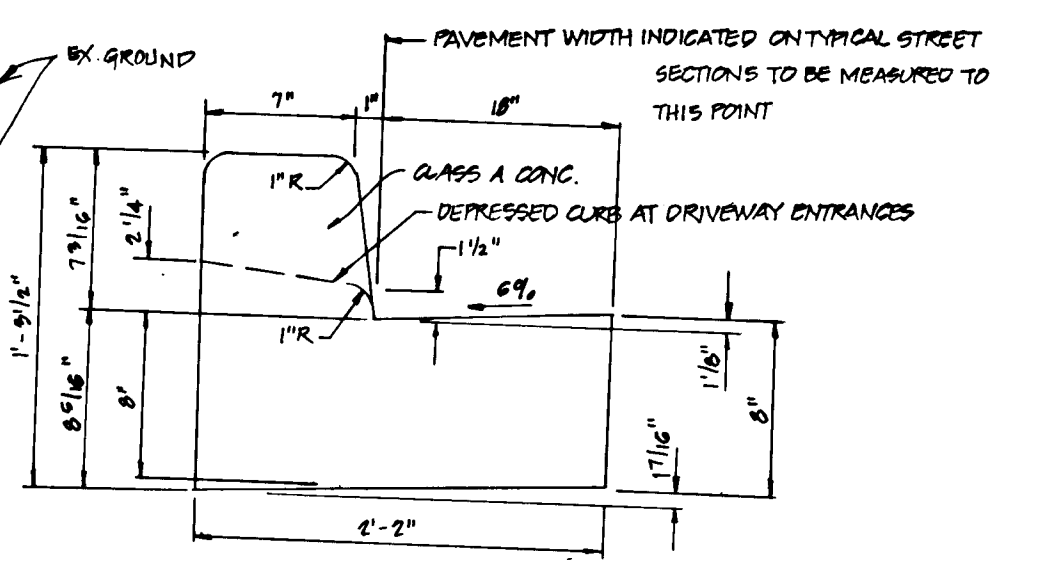
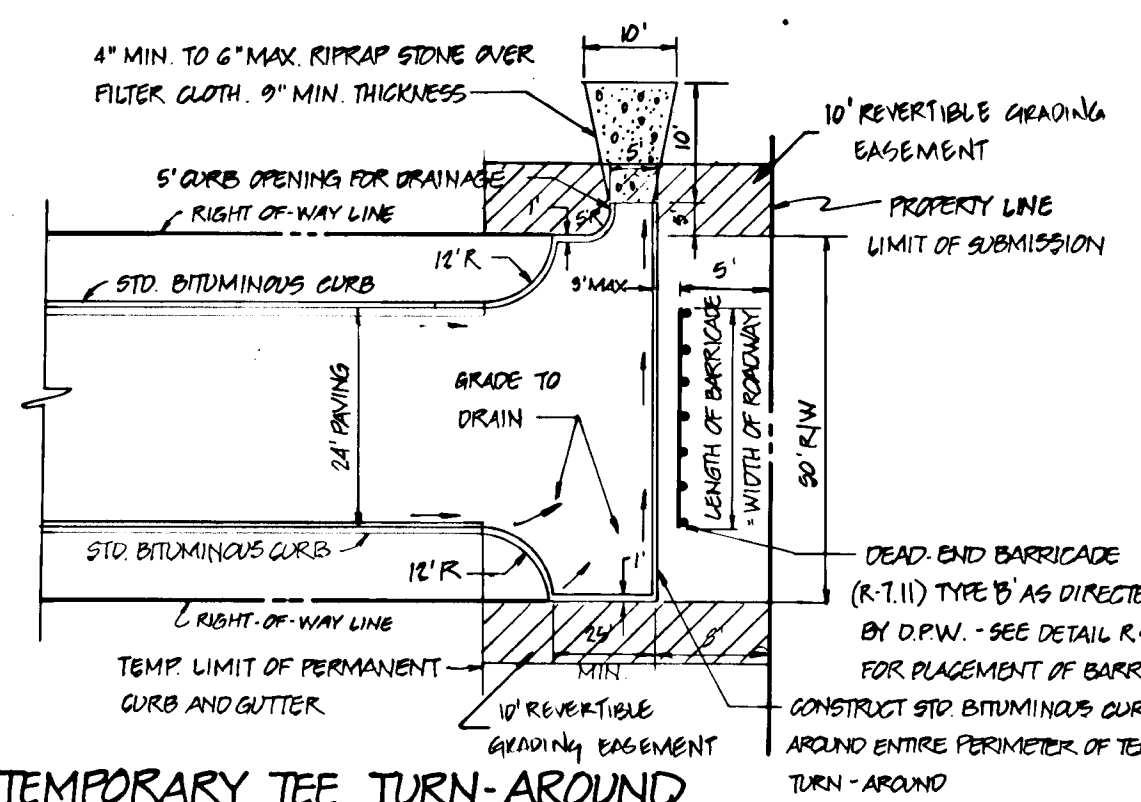
AMBERWOODS WAY  
STA. 0+98 TO STA. 3+00 AG  
DESIGN SPEED: 30 MPH  
ZONED: R(RURAL)



NOTE: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOL. III, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.



TYPICAL SECTION IMPROVEMENTS TO MD. ROUTE 32  
DESIGN SPEED: 50 MPH - NOT TO SCALE



NOTE: 1. DETAILS FOR CONSTRUCTION WITHIN MD. ROUTE 32 RIGHT-OF-WAY SHALL BE TO MD. DEPT. OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION CONSTRUCTION SPECIFICATIONS AND DETAILS.

**AMBERWOODS**  
SECTION ONE  
LOTS 1-42  
3rd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

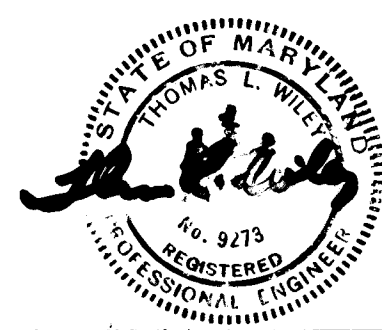
**ROAD SECTION, DETAILS**

**STORM DRAIN PROFILES**

**OWNER / DEVELOPER**  
N.V. LAND, INC.  
6820 ELM STREET  
MCLEAN, VIRGINIA 22101  
(703) 734-9730

SCALE AS SHOWN DATE DEC. 31, 1987 SHEET 8 OF 16  
DESIGNED BY JPHANNA DRAWN BY D.M. PETERS CHECKED BY B. BURTON

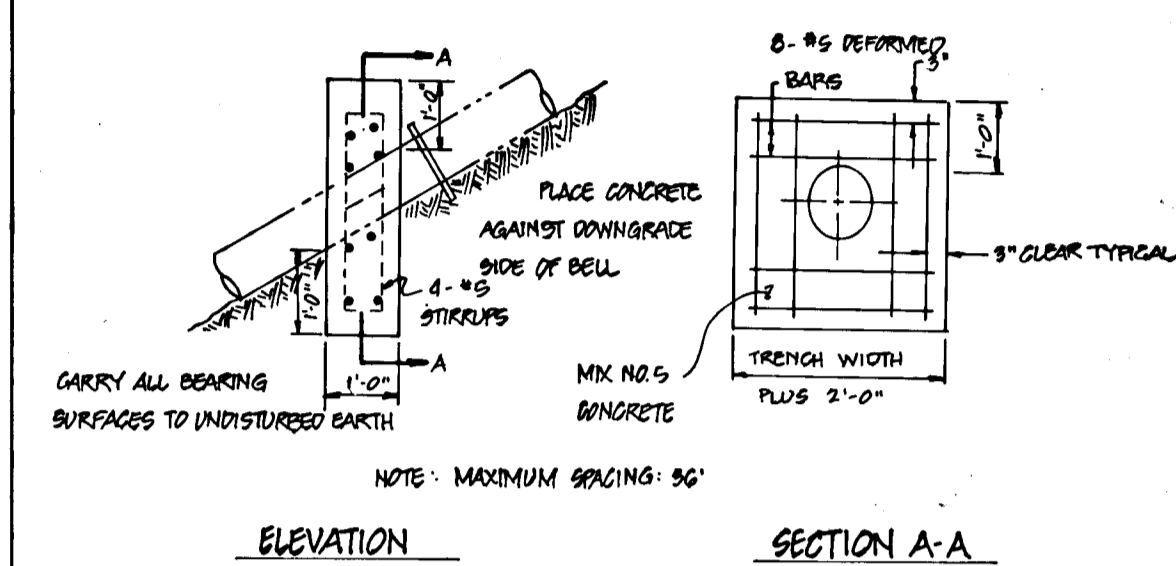
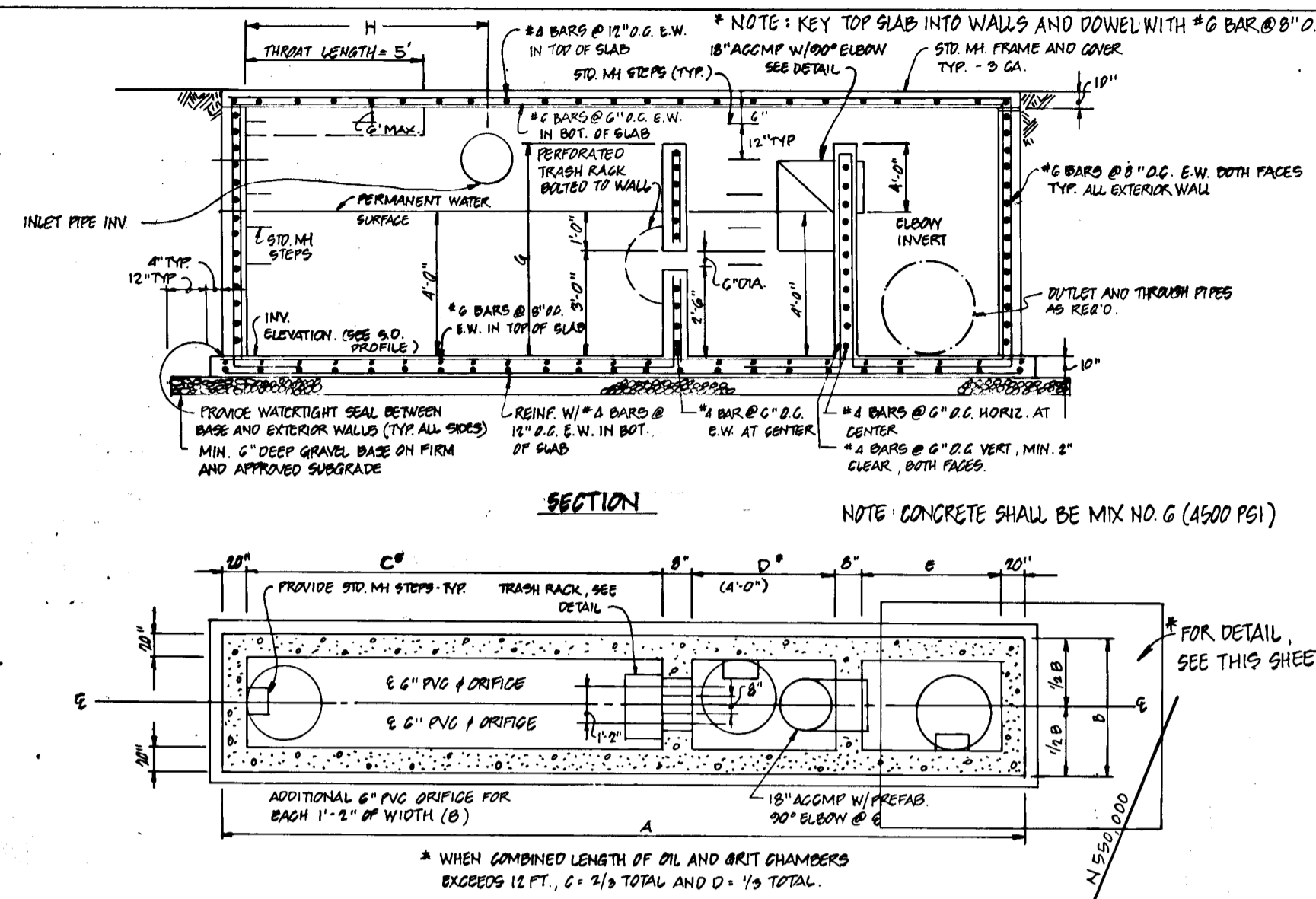
**DEWBERRY & DAVIS**  
ARCHITECTS PLANNERS SURVEYORS  
3300 NORTH RIDGE ROAD  
ELLCOTT CITY, MARYLAND 20845  
(301) 461-7476



1397



REVISIONS		
DATE	BY	DESCRIPTION
5/1/88	D.D.	PER NO. 00 COMMENTS DATED 4/15/88



**DIMENSIONS FOR WATER QUALITY CONTROL STRUCTURES**

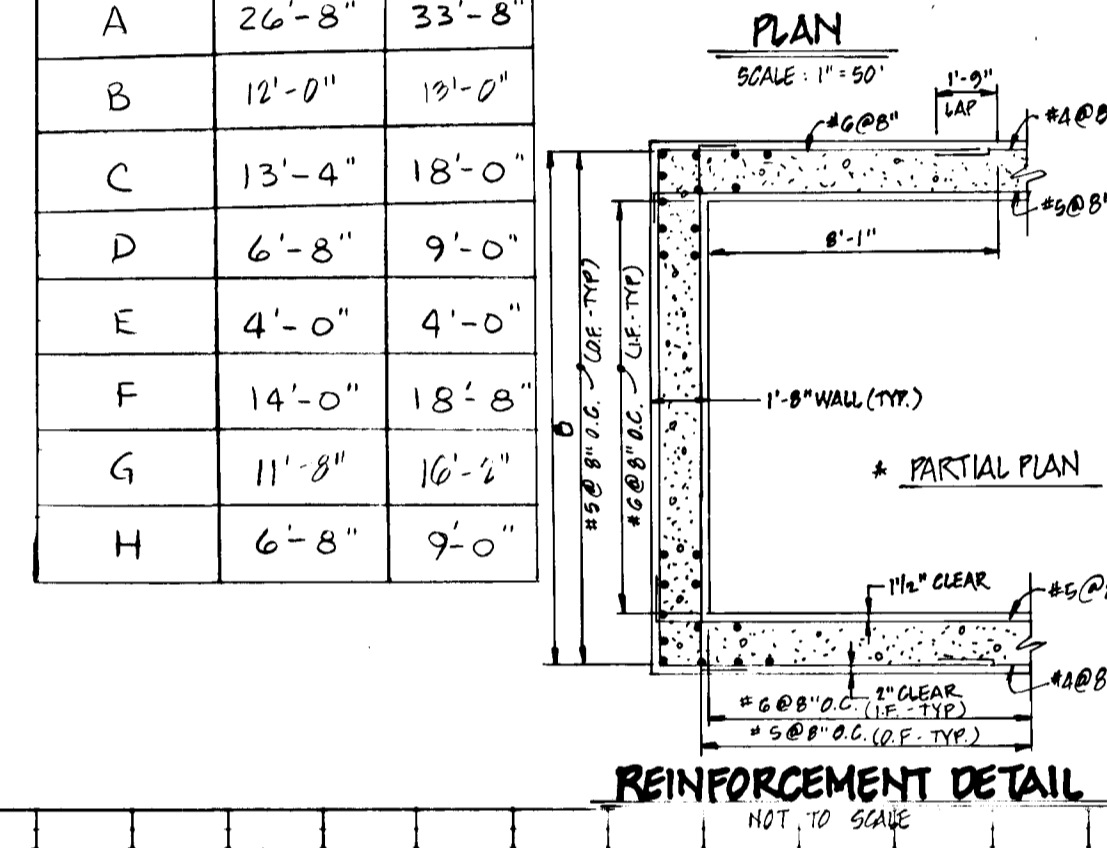
DIM.	W Q I "1"	W Q I "6"
A	26'-8"	33'-8"
B	12'-0"	19'-0"
C	13'-4"	18'-0"
D	6'-8"	9'-0"
E	4'-0"	4'-0"
F	14'-0"	18'-8"
G	11'-8"	16'-2"
H	6'-8"	9'-0"

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Paula S. Campbell* 10/15/88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Paul W. Johnson* 10/17/88  
 CHIEF, LAND DEVELOPMENT DIVISION

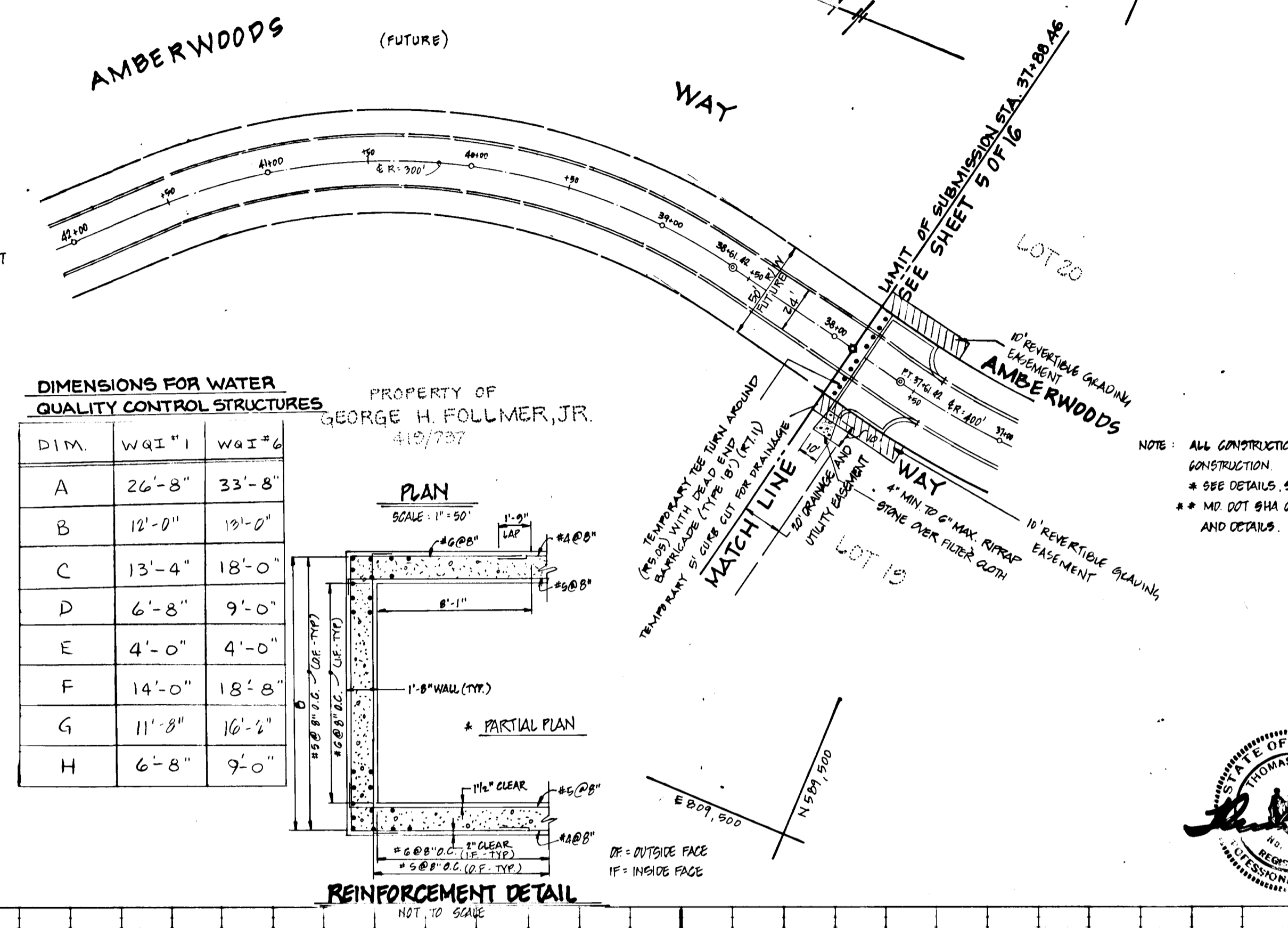
*Samille W. Wheeler* 10/18/88  
 CHIEF, BUREAU OF HIGHWAYS

*William E. Riley* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING



**STRUCTURE SCHEDULE**

NO	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
1-1	WATER QUALITY CONTROL	497.01	497.01	497.01	SEE HOWARD CO. A-5
1-2	A-10	—	490.91	497.01	S.D. 4.02
1-3	A-5	487.85	466.95	471.87	S.D. 4.01
1-4	A-6	469.69	469.19	471.27	S.D. 4.01
1-5	A-10 W/INVERT	—	474.91	474.98	S.D. 4.02 W/SD. 4.03
1-6	WATER QUALITY CONTROL	488.99	488.99	486.59	SEE HOWARD CO. A-5
1-7	A-5	489.00	488.26	486.59	S.D. 4.01
1-8	A-10	—	489.00	488.54	S.D. 4.02 W/SD. 4.03
1-9	A-5	488.00	488.75	481.83	S.D. 4.01
1-10	A-9	—	489.40	481.83	S.D. 4.01



NOTE: ALL CONSTRUCTION SHALL BE TO HOWARD COUNTY DESIGN MANUAL, VOL. IX 910. SPECIFICATION AND DETAILS FOR CONSTRUCTION  
 \* SEE DETAILS, SHEET 10 OF 16  
 \*\* MD DOT SHA CONSTRUCTION SPEC. AND DETAILS.

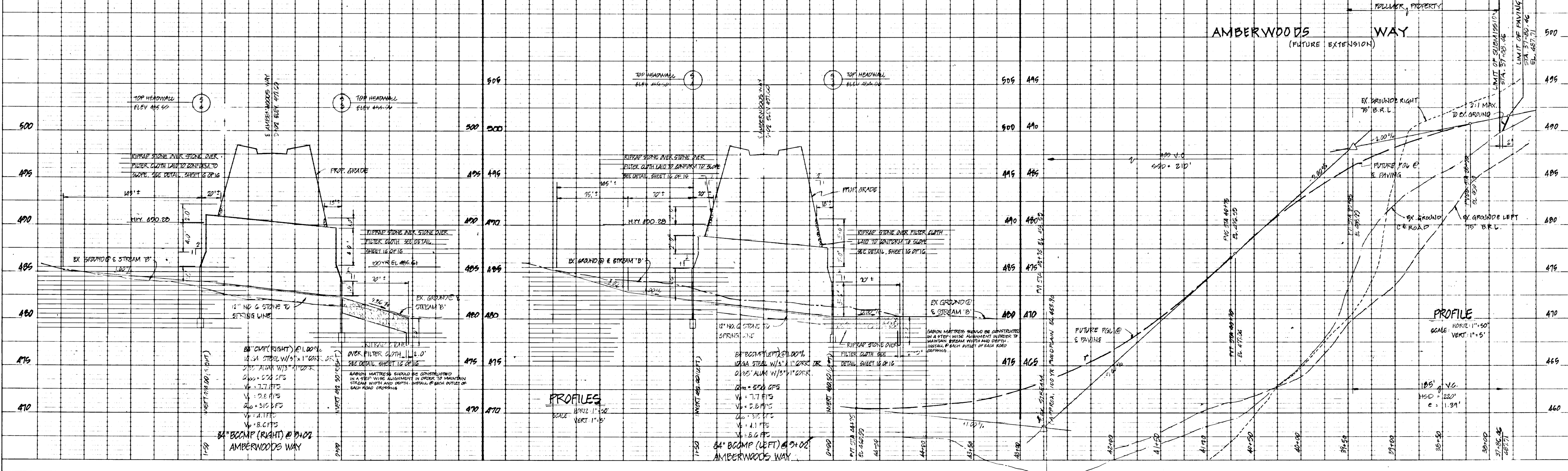
**AMBERWOODS SECTION ONE**  
 LOTS 1-42  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**STORM DRAIN PROFILES**

**OWNER / DEVELOPER**  
 N.V.L. AND INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 754-9730

SCALE AS SHOWN DATE DEC. 31, 1987 SHEET 9 OF 16  
 DESIGNED BY J.P. HANNA DRAWN BY J.A. UICHI CHECKED BY E.D. BURTON

**DEWBERRY & DAVIS**  
 ARCHITECTS PLANNERS SURVEYORS  
 3300 NORTH RIDGE ROAD  
 ELLICOTT CITY, MARYLAND 20843  
 (301) 461-7478



1099

**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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas L. Wiley* 6-20-88  
 THOMAS L. WILEY, MD REG NO. 9275 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Kenneth G. Malm* 6/20/88  
 KENNETH G. MALM, N.V. LAND, INC. DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*James M. Helm* 9-23-88  
 JAMES M. HELM, N.V. LAND, INC. DATE

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

*John R. Edenton* 9/13/88  
 JOHN R. EDENTON, HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

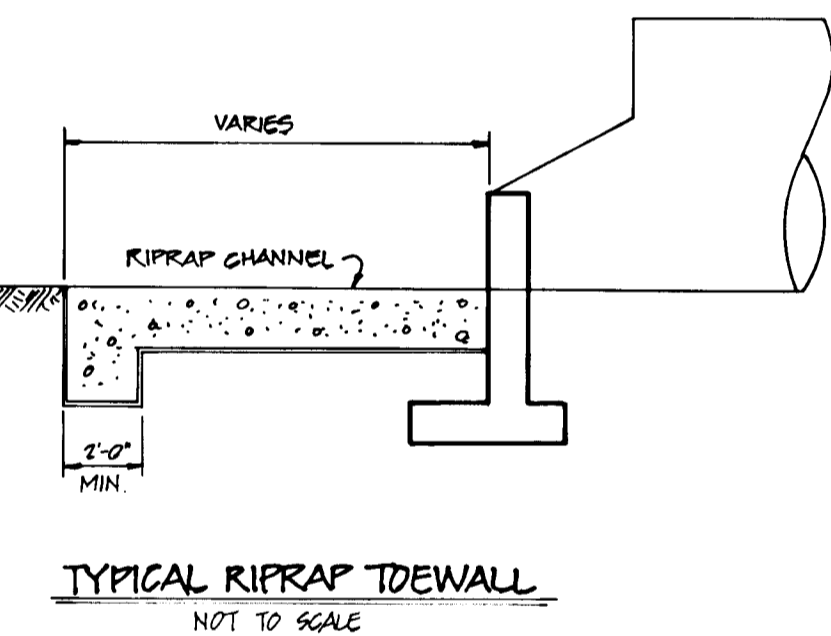
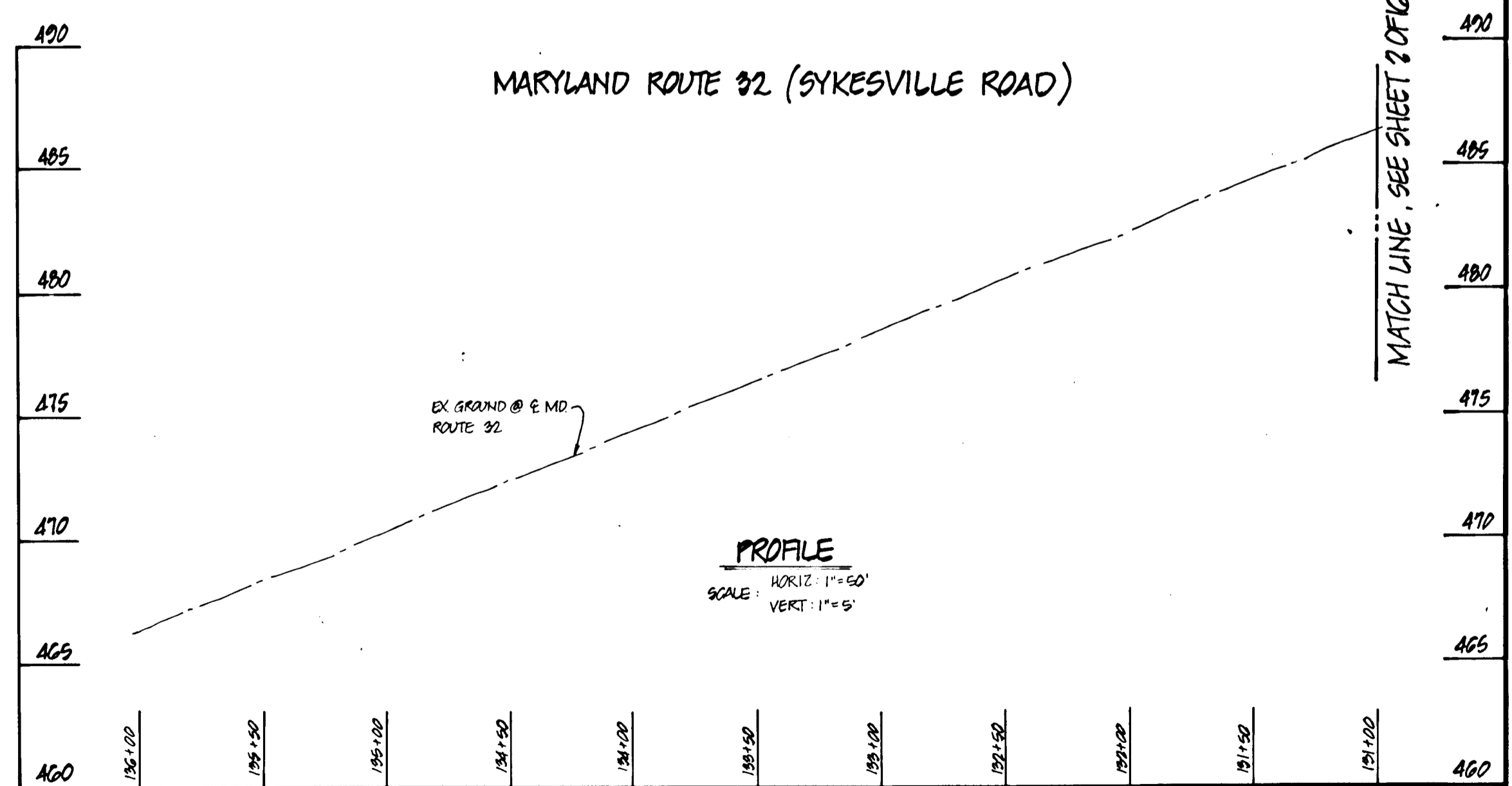
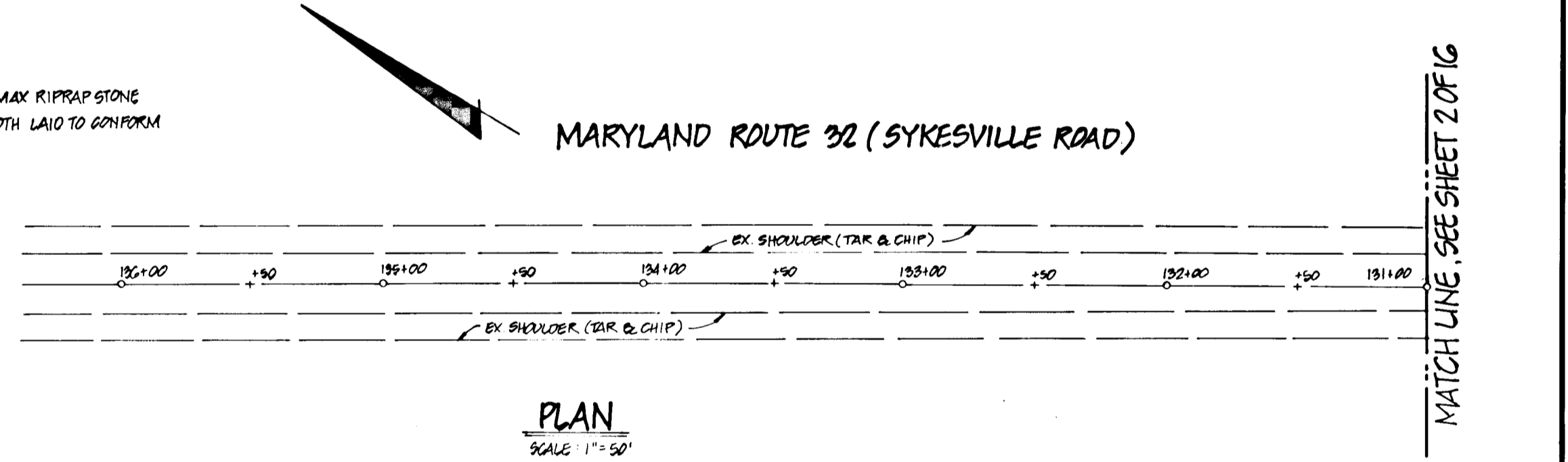
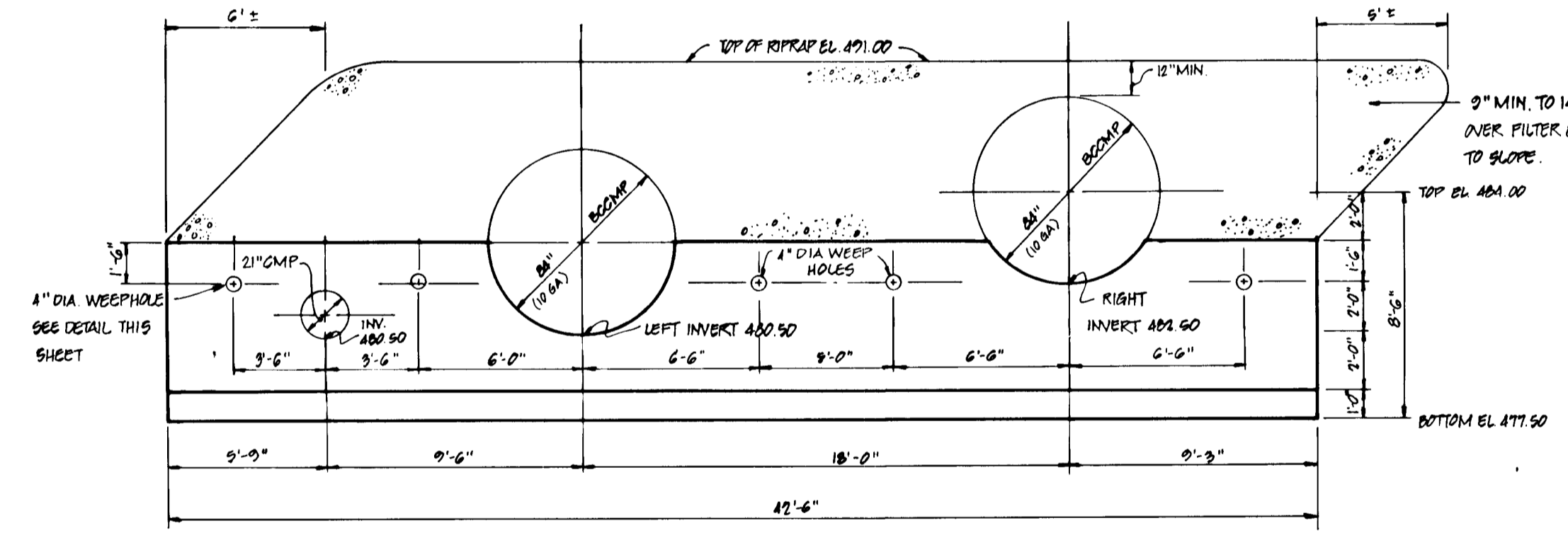
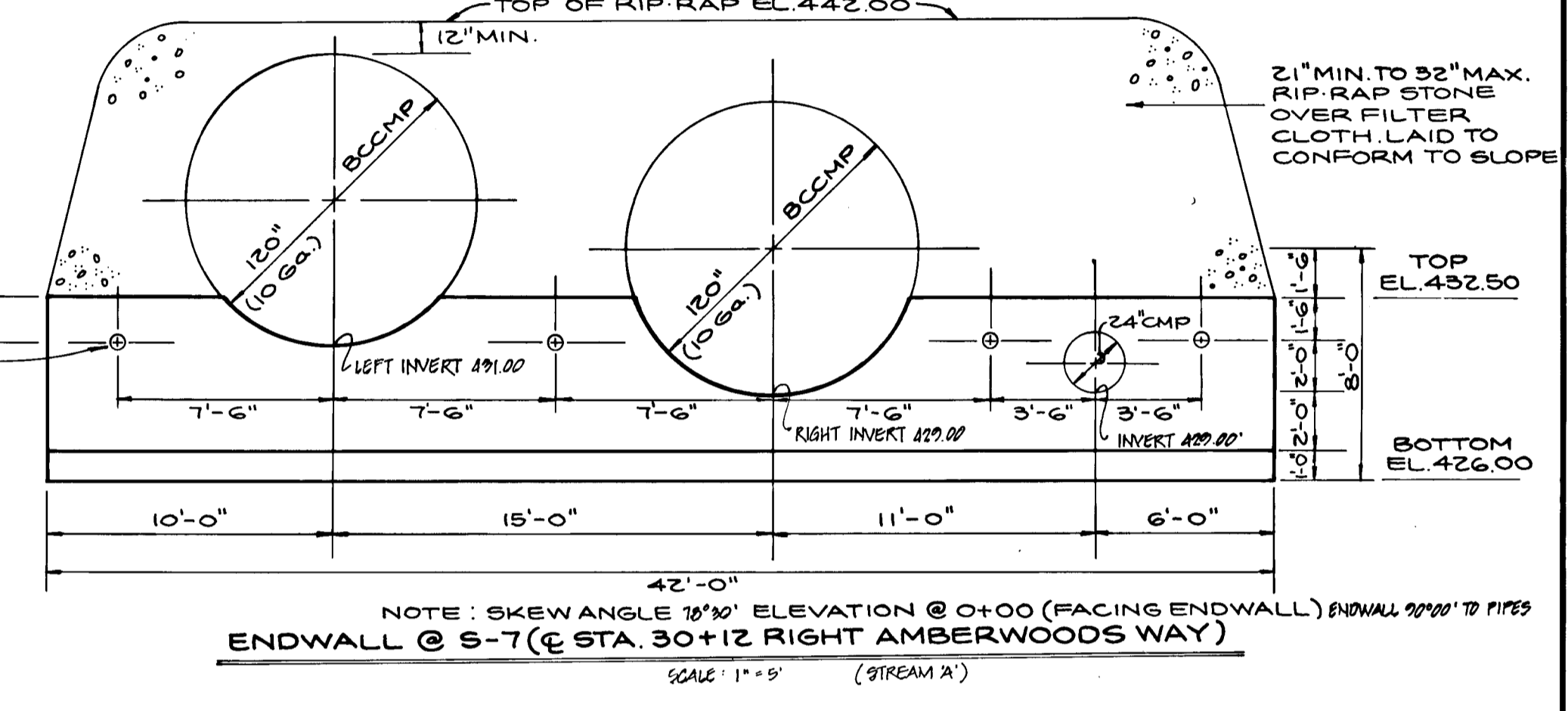
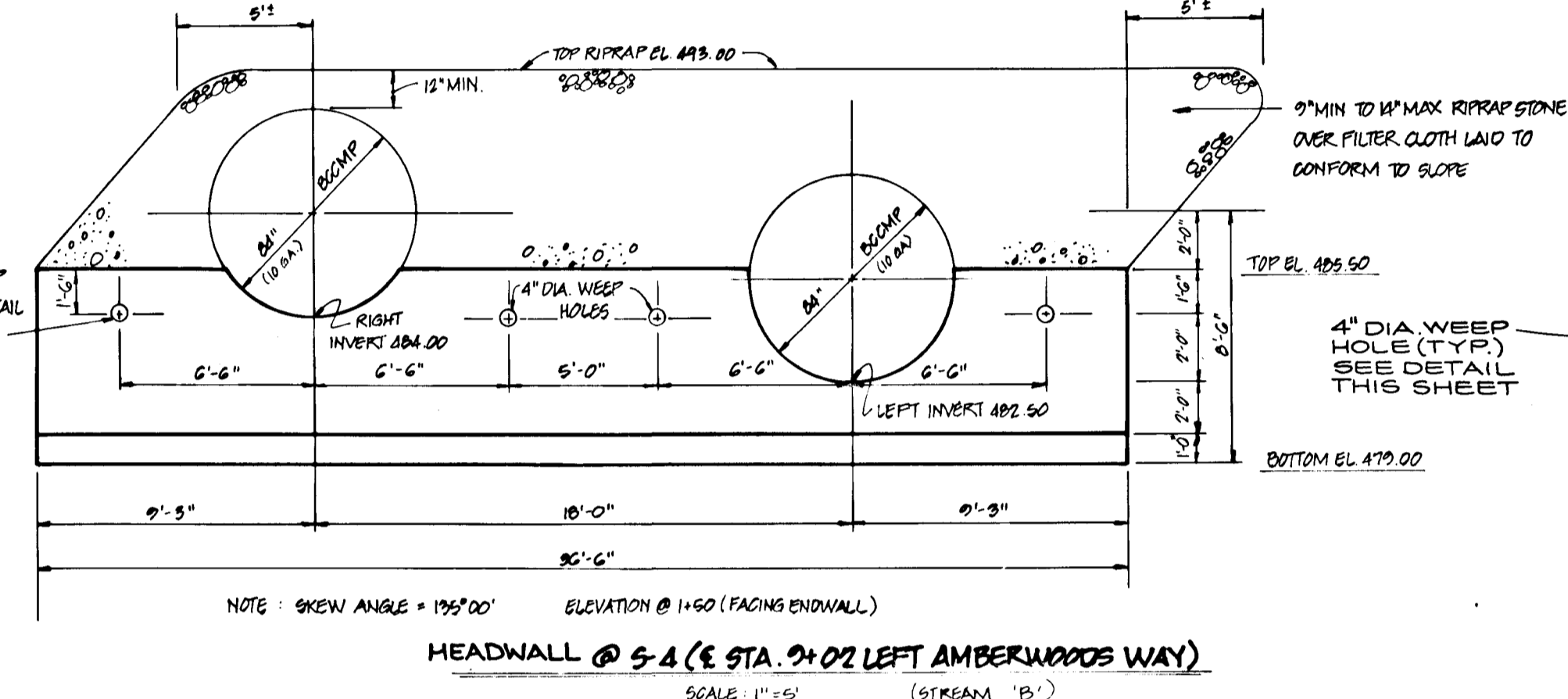
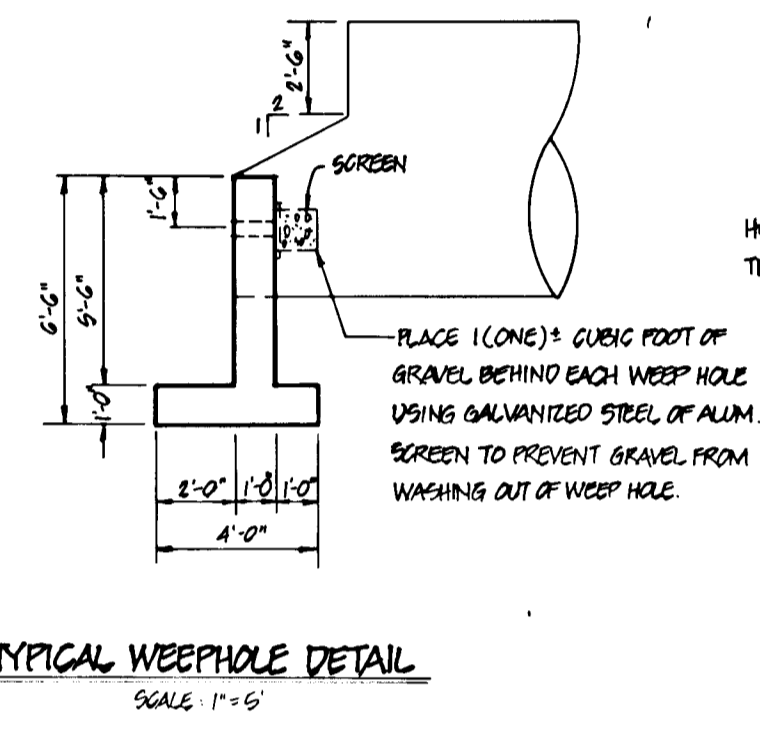
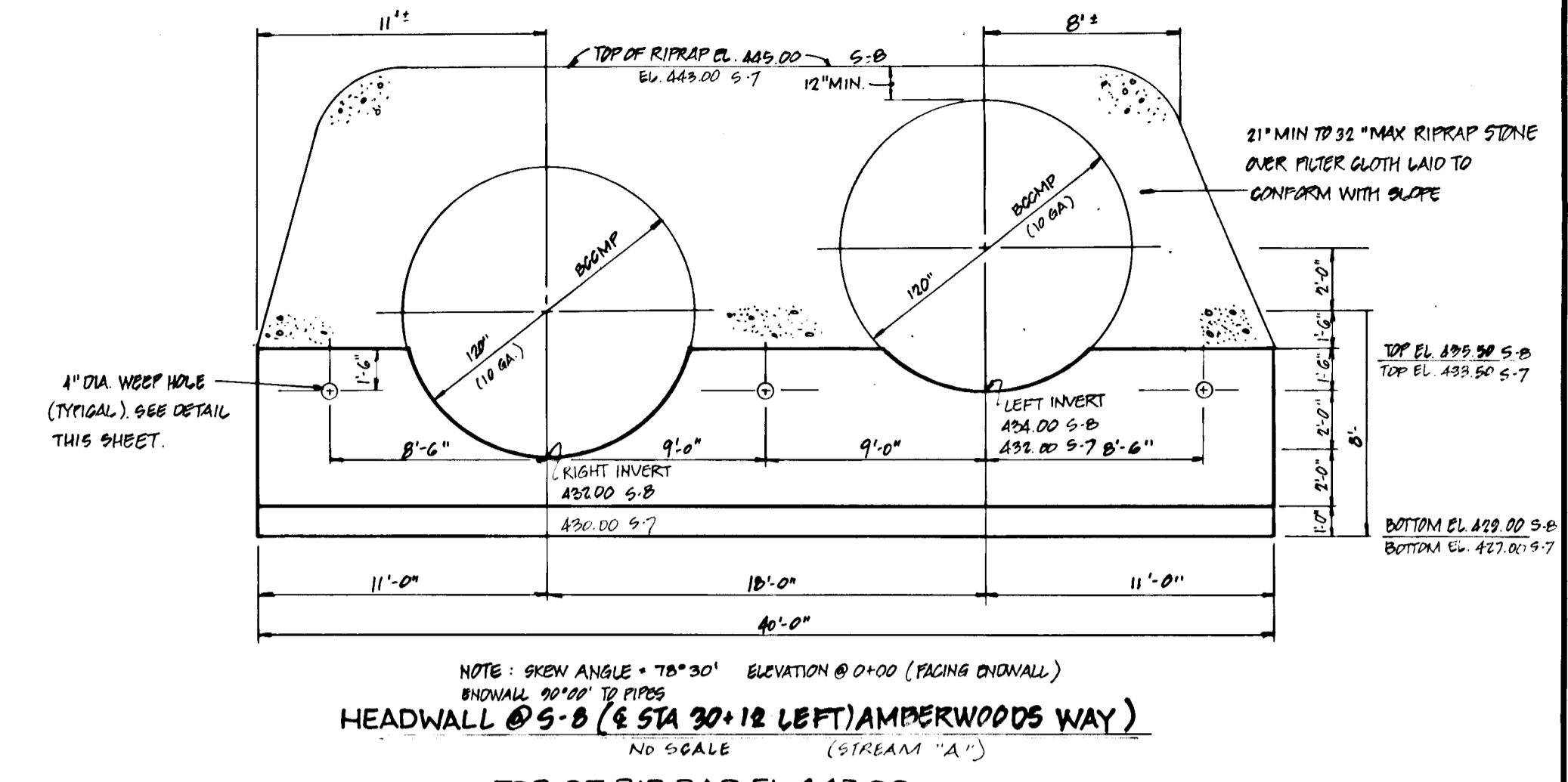
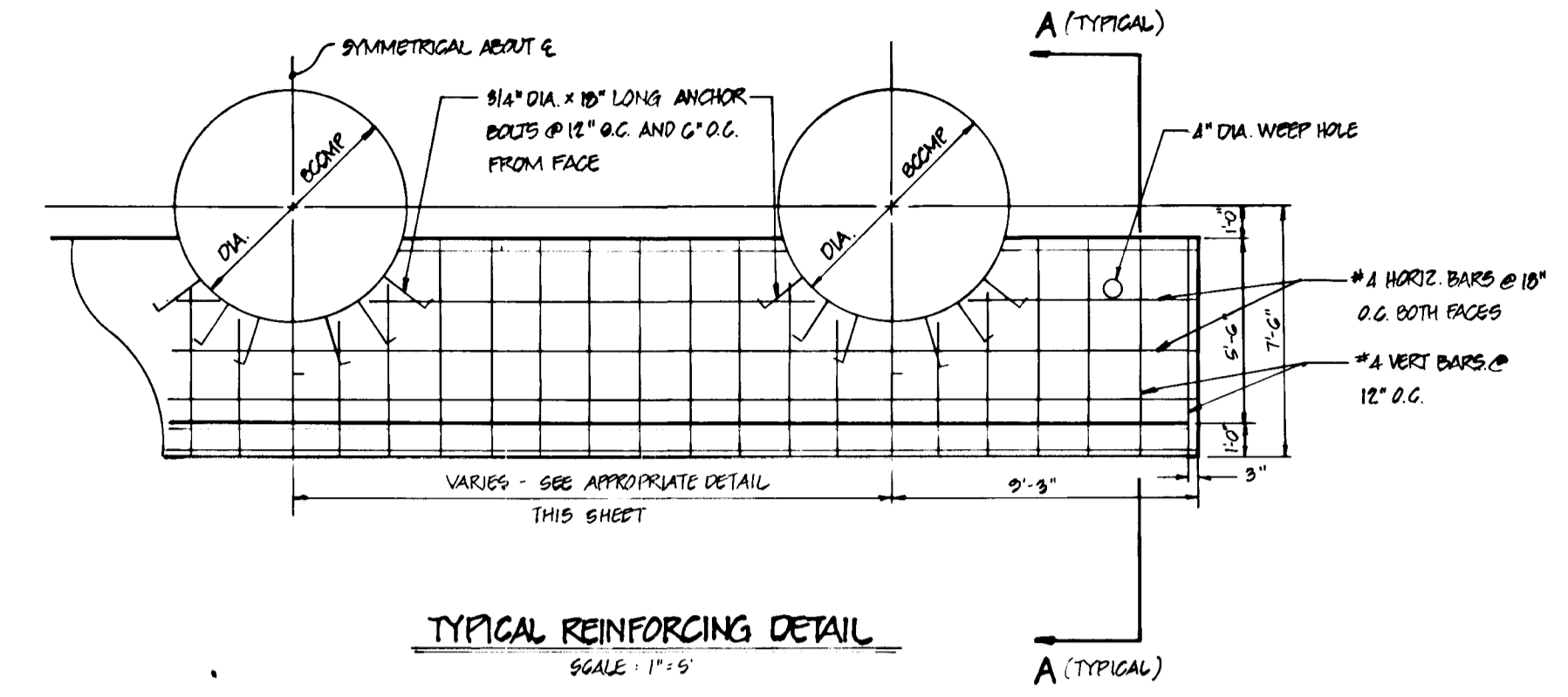
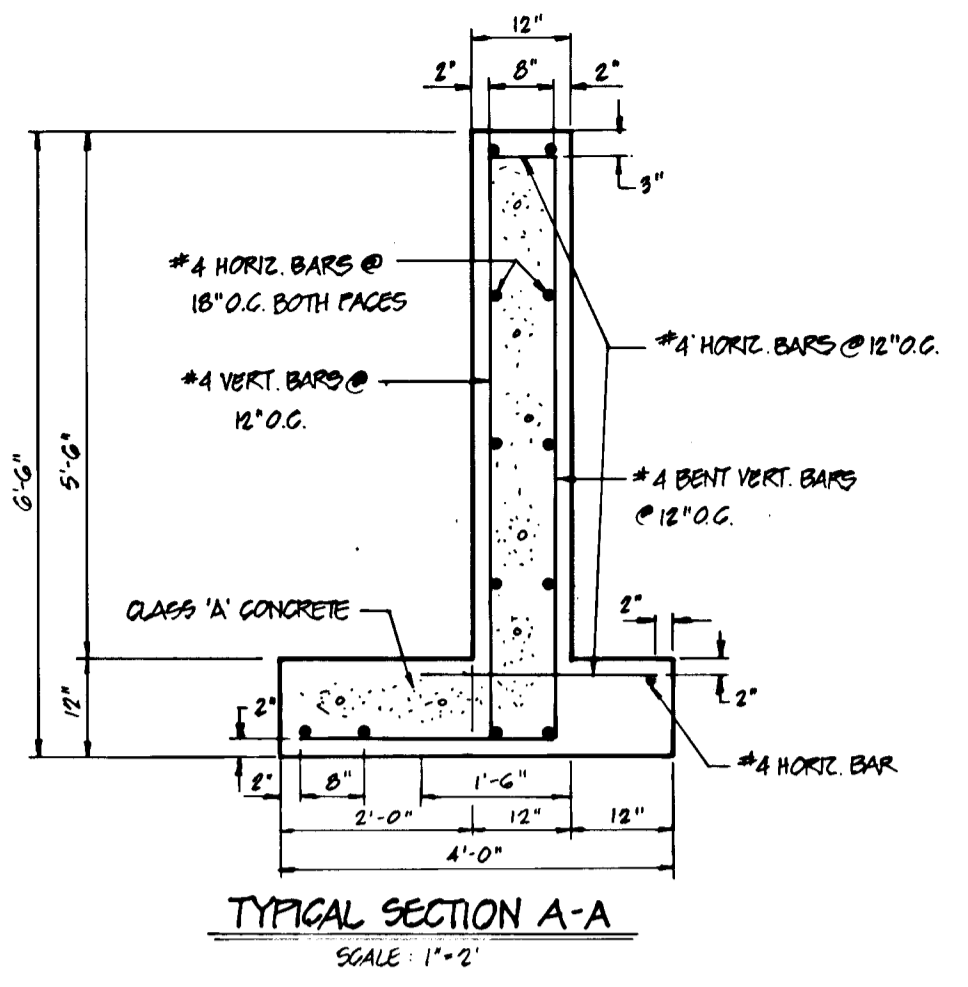
*Donald L. Johnson* 10/27/88  
 DONALD L. JOHNSON, LAND DEVELOPMENT DIVISION DATE

*Franklin W. Wellbaum* 10/02/88  
 FRANKLIN W. WELLBAUM, CHIEF, BUREAU OF HIGHWAY DATE

*W. S. Ryan* 11-17-88  
 W. S. RYAN, CHIEF, BUREAU OF ENGINEERING DATE

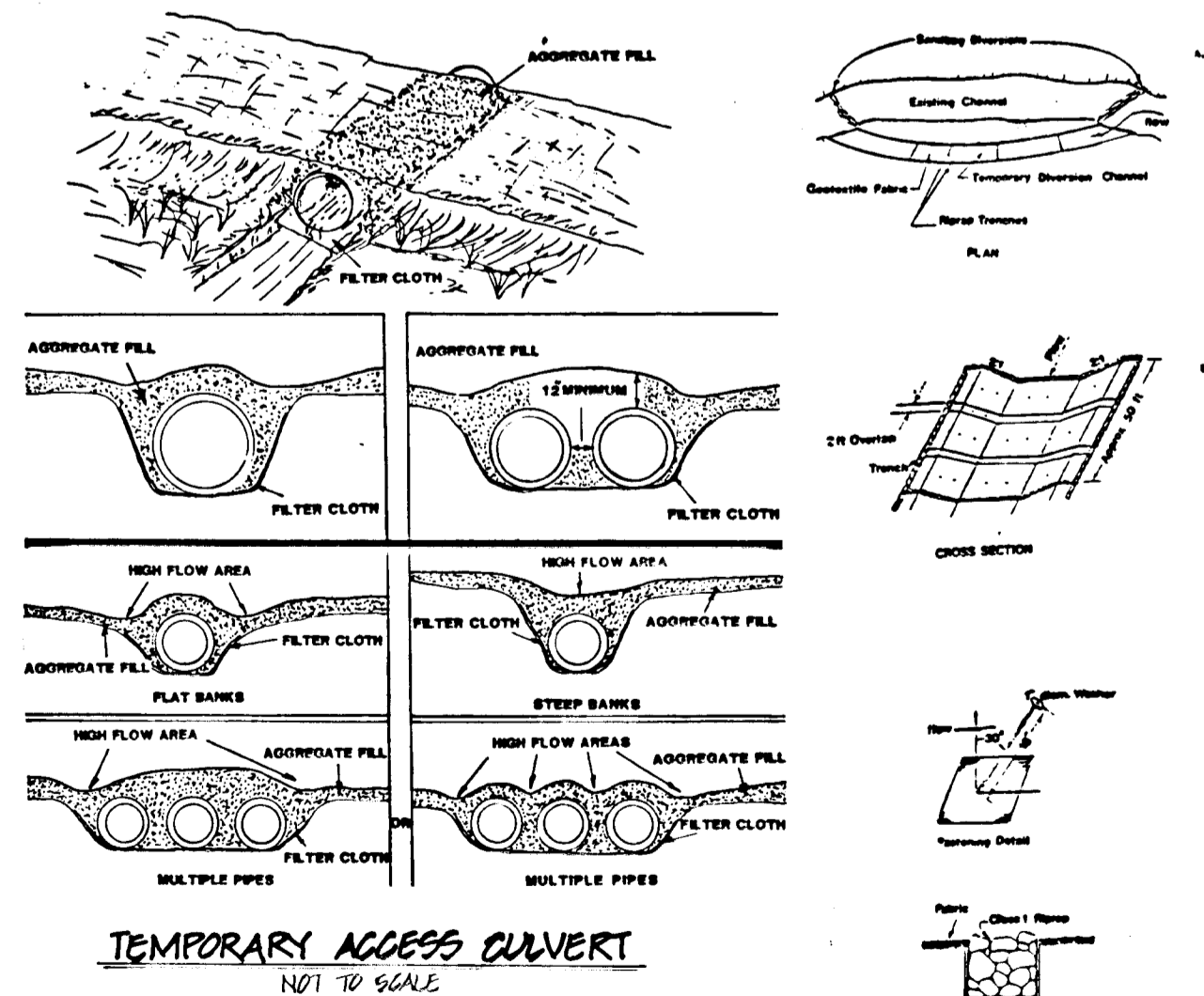
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Mark J. J. Doyle* 11-20-88  
 MARK J. J. DOYLE, CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



**CONSTRUCTION SPECIFICATIONS FOR TEMPORARY ACCESS CULVERT**

- Restrictions** - No construction or removal of a temporary access culvert will be permitted between October 1 through April 30 for all Class III and Class IV Trout Waters or between March 15 through June 15 for non-trout waterways.
- Culvert Strength** - All culverts shall be strong enough to support their cross sectional area under maximum expected loads.
- Culvert Size** - The size of the culvert pipe shall be the largest pipe diameter that will fit into the existing channel without major excavation of the roadway channel or without major approach fills. If a channel width exceeds 3 feet, additional pipes may be used until the cross sectional area of the pipes is greater than 60 percent of the cross sectional area of the existing channel. The minimum size culvert that may be used is a 12" diameter pipe.
- Culvert Length** - The culvert(s) shall extend a minimum of one foot beyond the upstream and downstream toe of the aggregate placed around the culvert. In no case shall the culvert exceed 40 feet in length.
- Filter Cloth** - Filter cloth shall be placed on the streambed and streambanks prior to placement of the pipe culvert(s) and aggregate. The filter cloth shall cover the streambed and extend a minimum six inches and a maximum one foot beyond the end of the culvert and bedding material. Filter cloth reduces settlement and improves crossing stability.
- Culvert Placement** - The invert elevation of the culvert shall be installed on the natural streambed grade to minimize interference with fish migration (free passage of fish).
- Culvert Protection** - The culvert(s) shall be covered with a minimum of one foot of aggregate. If multiple culverts are used they shall be separated by at least 12" of compacted aggregate fill. At a minimum, the bedding and fill material used in the construction of the temporary access culvert crossings shall conform with the aggregate requirements cited in Section I.B. 1. above.
- Stabilization** - All areas disturbed during culvert installation shall be stabilized within 14 calendar days of the disturbance in accordance with the Standard for "Critical Area Stabilization With Permanent Seeding."



- Aggregate shall be placed on the streambed and streambanks prior to placement of the pipe culvert(s) and aggregate.
- The aggregate shall be placed on the streambed and streambanks prior to placement of the pipe culvert(s) and aggregate.
- The aggregate shall be placed on the streambed and streambanks prior to placement of the pipe culvert(s) and aggregate.
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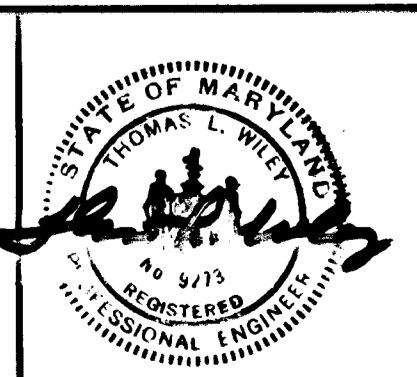
CULVERT PIPE WALL SIZE		
MATERIAL	SIZE	WALL THICKNESS
STEEL (BCCMP)	60"	10 GA
STEEL (BCCMP)	120"	10 GA
ALUMINIUM	60"	0.105"
ALUMINIUM	120"	0.105"

NOTE: 60" AND 120" CMP TO BE 10 GA STEEL WITH FULL BITUMINOUS COATING (3"x1" COR.)  
 ALUMINIUM TO BE 0.105" (ANNOIDIZED 3"x1" COR.)

1399

DESIGNED		DATE		DESCRIPTION	
B. BURTON	12-3-87	5/2/88	DD	PER HO. CO. COMMENTS DATED 4/16/88	
DM PETERS	12-31-87				
B. BURTON	12-3-87				
T. L. WILEY	1-20-88				

**Dewberry & Davis**  
 ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478



**OWNER/DEVELOPER**  
 N.V. LAND, INC.  
 6820 ELM STREET  
 MCLEAN, VA. 22101  
 (703) 734-9730

**STORM DRAIN CULVERT DETAILS**  
**AMBERWOODS**  
 SECTION ONE  
 LOT 1 THRU LOT 42  
 TAX MAP 9, PARCEL 4 B 144  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN CONTRACT NO. DATE: DEC 31, 1987 SHEET 10 OF 16

**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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas L. Wiley* 6-20-88  
 THOMAS L. WILEY, MDR 6 NO 9273 DATE

**DEVELOPER'S CERTIFICATE**  
 I HAVE CERTIFIED THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Kenneth G. Malm* 6/20/88  
 KENNETH G. MALM, N.V. LAND INC. DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

*John M. Johnson* 9-23-88  
 U.S. SOIL CONSERVATION SERVICE DATE

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

*John M. Johnson* 9/23/88  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

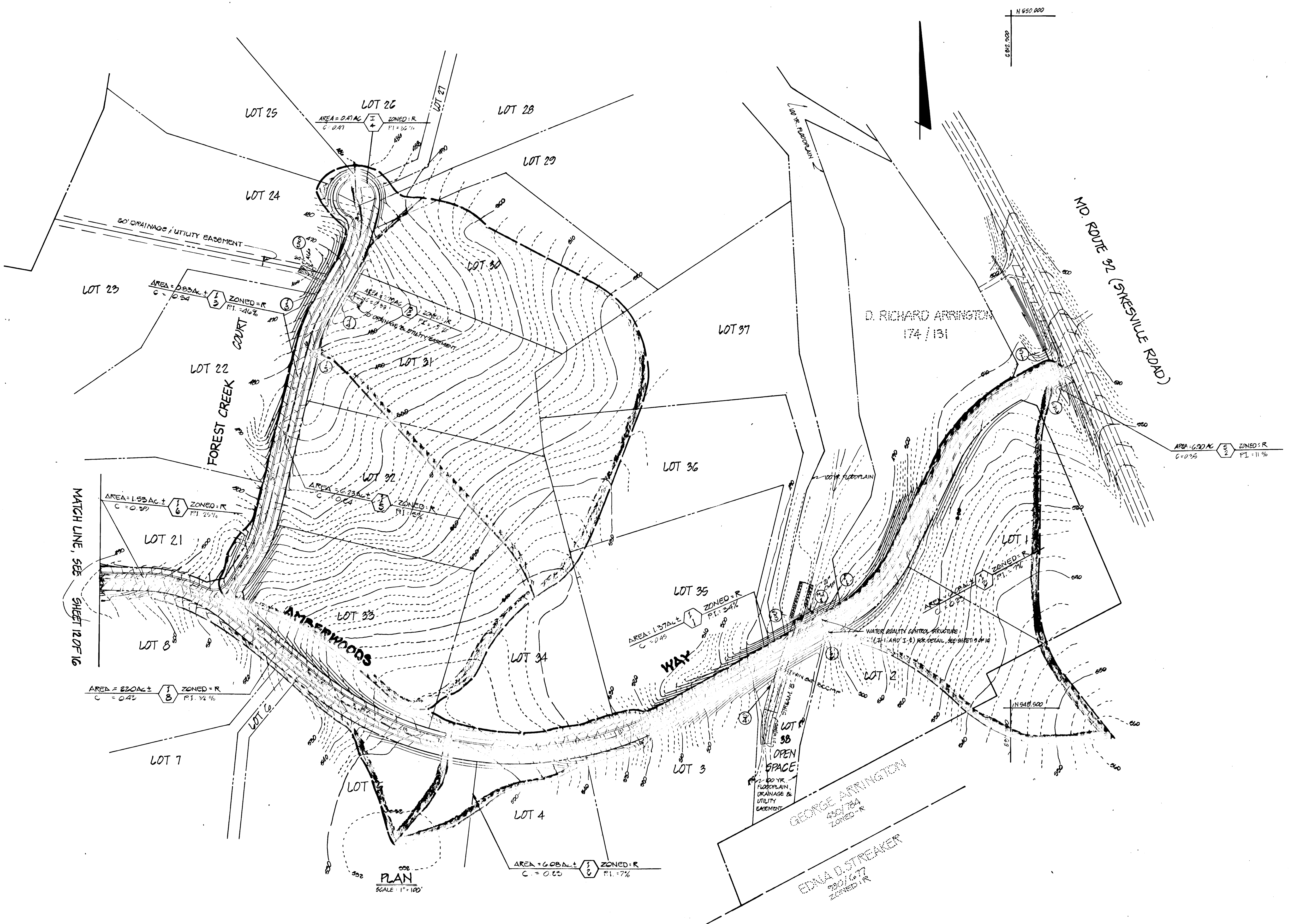
*Donald W. Johnson* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*Stanville W. W. Seal* 10/27/88  
 CHIEF, BUREAU OF HIGHWAY DATE

*R. S. ...* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*David J. ...* 11-25-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



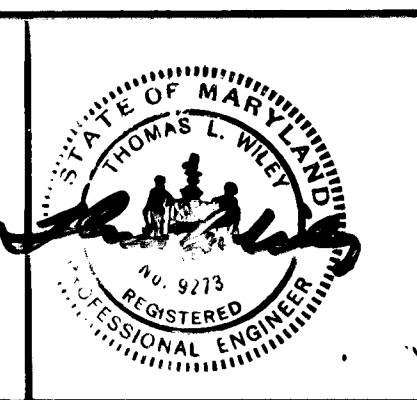
N 548.000  
 680.000

N 550.000  
 680.500

1399

DESIGNED		DATE		BY		DESCRIPTION	
J.P. HANNA	12/29/87	5/2/88	DD	PER HQ GOVERNMENTS DATED 4/15/88			
DM PETERS	12/29/87						
DB BURTON	12/31/87						
TL WILEY	1/20/88						

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478



**OWNER/DEVELOPER**  
 NV LAND, INC.  
 6820 ELM STREET  
 McLEAN, VA 22101  
 (703) 734-9730

**DRAINAGE AREA MAP**  
**AMBERWOODS**  
 SECTION ONE  
 LOT 1 THRU LOT 42  
 TAX MAP 9, PARCEL 4 B 144  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN CONTRACT NO. DATE: DEC. 31, 1987 SHEET 11 OF 16

**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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas L. Wilby* 6-20-88  
 THOMAS L. WILBY, MD. REG. NO. 9073 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Ronald S. Mohr* 9/24/88  
 RONALD S. MOHR, N.V. LAND, INC. DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

*James W. Holsen* 9-23-88  
 JAMES W. HOLSEN, U.S. SOIL CONSERVATION SERVICE DATE

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

*John L. Edinger* 9/23/88  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

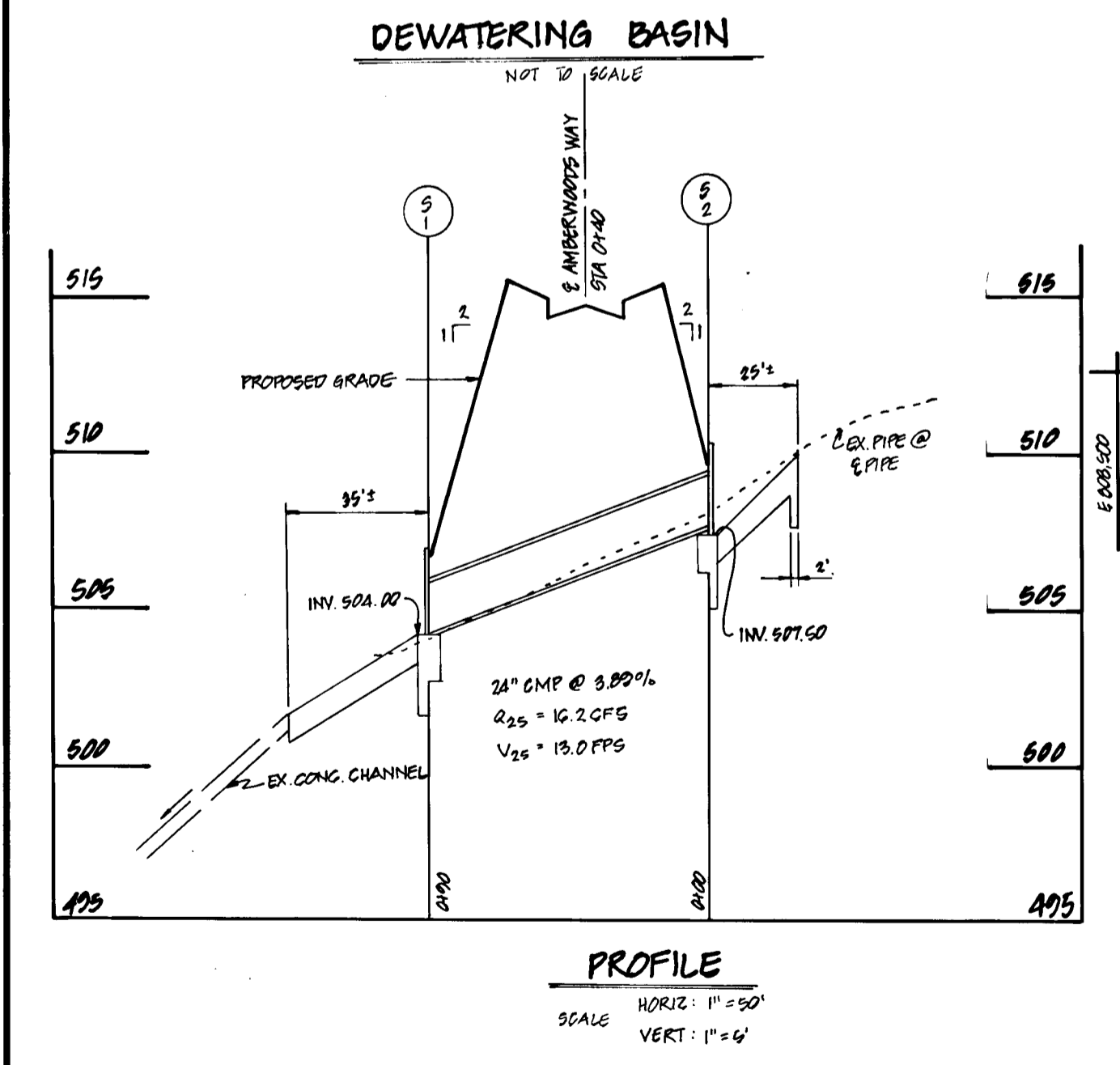
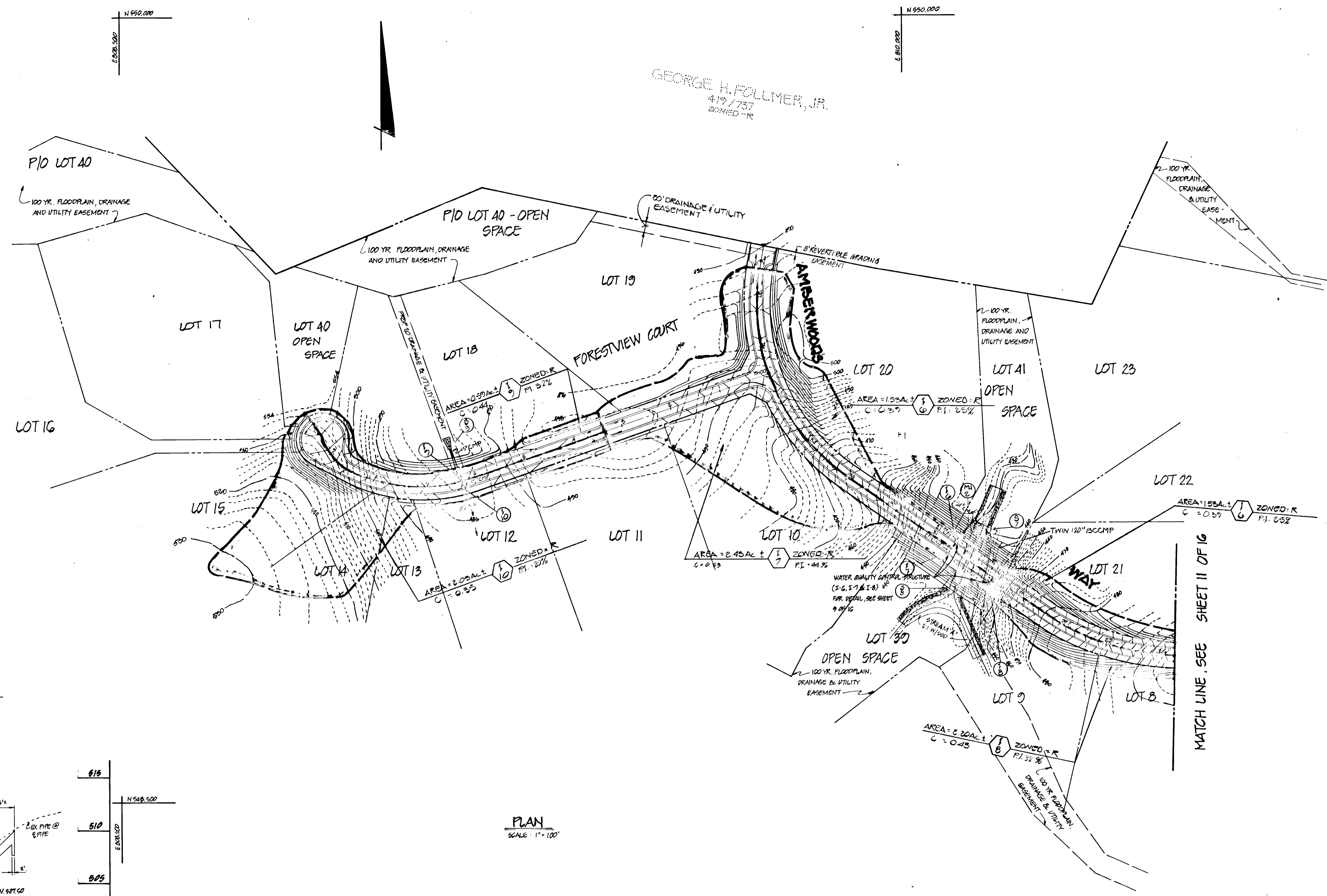
*Donald W. Johnson* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*Stanley W. W. W. W.* 10/27/88  
 CHIEF, BUREAU OF HIGHWAY DATE

*W. S. E. R. E.* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Mark S. P. P.* 11-25-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

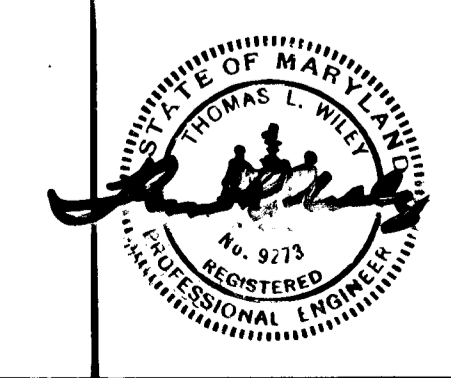


**PLAN**  
 SCALE: 1" = 100'

1399

DESIGNED		DATE		REVISIONS	
J.P. HANNA	12/31/87	DATE	BY	DESCRIPTION	
D.M. PETERS	12/31/87	5/2/88	D.D.	PER HD. CO. COMMENTS DATED 4/19/88	
B.D. BURTON	12/31/87				
T.L. WILEY	1/20/88				

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478



**OWNER/DEVELOPER**  
 N.V. LAND, INC.  
 8820 ELM STREET  
 MCLEAN, VA. 22101  
 (703) 734-9730

**DRAINAGE AREA MAP**  
**AMBERWOODS**  
 SECTION ONE  
 LOT 1 THRU LOT 42  
 TAX MAP 9, PARCEL 4 B 144  
 3rd ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas L. Wiley* 6-20-88  
 THOMAS L. WILEY, MD. REG. NO. 5271 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

*Renata G. Mabin* 6/20/88  
 RENATA G. MABIN, N.Y. LAND, INC. DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

*James M. Stehler* 9-23-88  
 JAMES M. STEHLER, U.S. SOIL CONSERVATION SERVICE DATE

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

*John R. Robertson* 7/23/88  
 JOHN R. ROBERTSON, HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Donald W. Jessom* 10/27/88  
 DONALD W. JESSOM, CHIEF, LAND DEVELOPMENT DIVISION DATE

*Francis W. Weckland* 10/27/88  
 FRANCIS W. WECKLAND, CHIEF, BUREAU OF HIGHWAY DATE

*W. Reedman & P. Reilly* 11-19-88  
 W. REEDMAN & P. REILLY, CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*David J. Dwyer* 11-25-88  
 DAVID J. DWYER, CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

**DESIGN DATA TRAP #6**

- DRAINAGE AREA TO TRAP: 1.66 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 104 CY
- VOLUME PROVIDED: 189 CY
- TRAP SIZE (BOTTOM DIMENSION): 28' x 28'
- TRAP DEPTH: 3.0'
- BOTTOM ELEVATION: 487.00
- CREST ELEVATION: 491.00
- CLEANOUT ELEVATION: 488.50
- OUTLET WIDTH: 8.0'
- SIDE SLOPES: 2:1

**DESIGN DATA TRAP #5**

- DRAINAGE AREA TO TRAP: 2.19 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 149 CY
- VOLUME PROVIDED: 178 CY
- TRAP SIZE (BOTTOM DIMENSION): 28' x 40'
- TRAP DEPTH: 3.0'
- BOTTOM ELEVATION: 489.00
- CREST ELEVATION: 491.00
- CLEANOUT ELEVATION: 488.50
- OUTLET WIDTH: 10.0'
- SIDE SLOPES: 2:1

**WATER QUALITY DESIGN DATA TRAP #9**

- DRAINAGE AREA TO TRAP: 4.36 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 103 CY
- VOLUME PROVIDED: 106 CY
- TRAP SIZE (BOTTOM DIMENSION): 25' x 65'
- TRAP DEPTH: 2.0'
- BOTTOM ELEVATION: 479.00
- CREST ELEVATION: 482.00
- CLEANOUT ELEVATION: 480.00
- OUTLET WIDTH: 12.0'
- SIDE SLOPES: 2:1

**DESIGN DATA TRAP #3**

- DRAINAGE AREA TO TRAP: 4.36 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 292 CY
- VOLUME PROVIDED: 313 CY
- TRAP SIZE (BOTTOM DIMENSION): 30' x 35'
- TRAP DEPTH: 2.0'
- BOTTOM ELEVATION: 479.00
- CREST ELEVATION: 482.00
- CLEANOUT ELEVATION: 480.00
- OUTLET WIDTH: 18.0'
- SIDE SLOPES: 2:1

**DESIGN DATA TRAP #4**

- DRAINAGE AREA TO TRAP: 4.74 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 918 CY
- VOLUME PROVIDED: 966 CY
- TRAP SIZE (BOTTOM DIMENSION): 60' x 38'
- TRAP DEPTH: 3.0'
- BOTTOM ELEVATION: 489.75
- CREST ELEVATION: 494.75
- CLEANOUT ELEVATION: 487.25
- OUTLET WIDTH: 14.0'
- SIDE SLOPES: 2:1

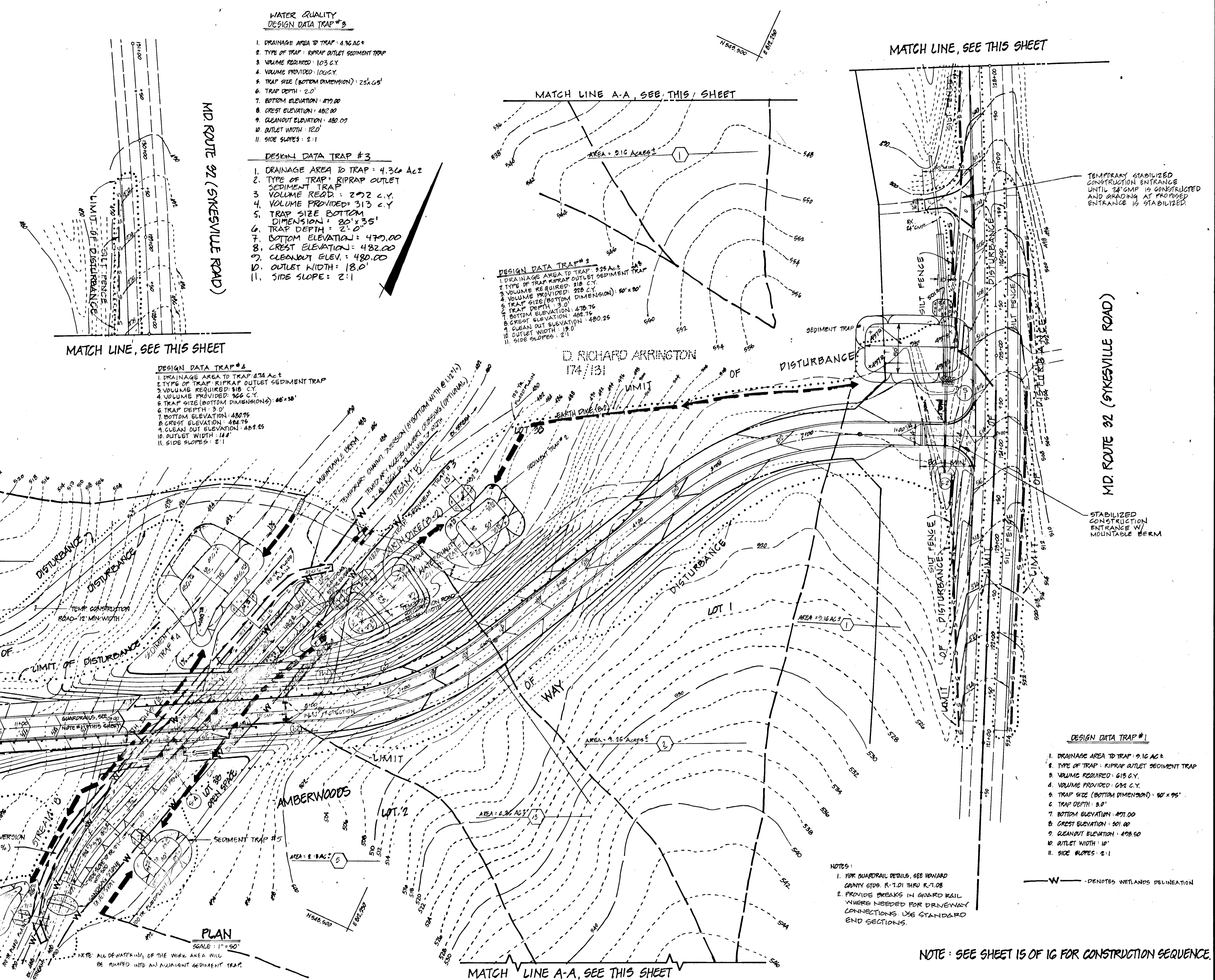
**DESIGN DATA TRAP #1**

- DRAINAGE AREA TO TRAP: 9.16 AC ±
- TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP
- VOLUME REQUIRED: 615 CY
- VOLUME PROVIDED: 696 CY
- TRAP SIZE (BOTTOM DIMENSION): 60' x 95'
- TRAP DEPTH: 8.0'
- BOTTOM ELEVATION: 491.00
- CREST ELEVATION: 501.00
- CLEANOUT ELEVATION: 498.50
- OUTLET WIDTH: 10'
- SIDE SLOPES: 2:1

**NOTES:**

- FOR GUARDRAIL DETAILS, SEE HOWARD COUNTY STD. R-1.01 THRU R-1.08
- PROVIDE BREAKS IN GUARD RAIL WHERE NEEDED FOR DRIVEWAY CONNECTIONS USE STANDARD END SECTIONS.

NOTE: SEE SHEET 15 OF 16 FOR CONSTRUCTION SEQUENCE.



1599  
10/31

DESIGNED	REVISIONS	
	DATE	DESCRIPTION
K.M. CHAMARA	12-31-87	
D.M. PETERS	12-31-87	
B.D. BURTON	12-31-87	
T.L. WILEY	1-19-88	

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
 3300 N. RIDGE ROAD, SUITE 100  
 ELLICOTT CITY, MD. 21043  
 (301) 461-7478

**OWNER/DEVELOPER**  
 NYLAND, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

**GRADING AND SEDIMENT CONTROL PLAN**  
**AMBERWOODS**  
 SECTION ONE  
 LOT 1 THRU LOT 42  
 TAX MAP 9 PARCELS 4 & 144  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN CONTRACT NO. DATE: DEC. 31, 1987 SHEET 15 OF 16

MATCH LINE A-A. SEE THIS SHEET.

MATCH LINE SEE SHEET 13 OF 16

- DESIGN DATA TRAP #7**
- 1 DRAINAGE AREA TO TRAP 14.78 ACRES\*
  - 2 TYPE OF TRAP RIFLED OUTLET SEDIMENT TRAP
  - 3 VOLUME REQUIRED 910 C.Y.
  - 4 VOLUME PROVIDED 1104 C.Y.
  - 5 TRAP SIZE (BOTTOM DIMENSIONS) 50" x 120"
  - 6 TRAP DEPTH 4.0'
  - 7 BOTTOM ELEVATION 454.00
  - 8 GROUND ELEVATION 449.00
  - 9 CLEAN OUT ELEVATION 460.00
  - 10 INLET WIDTH 12.0'
  - 11 SIDE SLOPES 2:1

**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 HOWARD SOIL CONSERVATION DISTRICT.  
*Thomas L. Wiley* 6-20-88  
 THOMAS L. WILEY MD REG. NO. 9275 DATE

**DEVELOPER'S CERTIFICATE**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONS ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.  
*Kenneth S. Malm* 6/20/88  
 KENNETH S. MALM NV LAND, INC. DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.  
*James M. DeJohn* 9-23-88  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Walter R. Robertson* 9/23/88  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Samuel M. Johnson* 10/27/88  
 CHIEF, LAND DEVELOPMENT DIVISION DATE

*Brantley W. Weiland* 10/27/88  
 CHIEF, BUREAU OF HIGHWAY DATE

*James R. P. Day* 11-17-88  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Barbara S. J. Langley* 11-25-88  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

NOTE: SEE SHEET 15 OF 16 FOR CONSTRUCTION SEQUENCE.

DESIGNED		DATE		BY		DESCRIPTION	
K.M. CHAVARA	12-31-87	9/2/88	D.D.	PER. NO. 00 COMMENTS DATED 4/16/88			
DRAWN		DATE		BY		DESCRIPTION	
Q.M. PETERS	12-31-87						
CHECKED		DATE		BY		DESCRIPTION	
B.D. BURTON	12-31-87						
APPROVED		DATE		BY		DESCRIPTION	
I.L. WILEY	1-19-88						

**Dewberry & Davis**  
 ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS  
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**OWNER/DEVELOPER**  
 N V LAND, INC.  
 6820 ELM STREET  
 MCLEAN, VIRGINIA 22101  
 (703) 734-9730

**GRADING AND SEDIMENT CONTROL PLAN**  
**AMBERWOODS**  
 SECTION ONE  
 LOT 1 THRU LOT 42  
 TAX MAP 9 PARCELS 4 & 144  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN CONTRACT NO. DATE: DEC 31, 1987 SHEET 14 OF 16

1399

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 HOWARD SOIL CONSERVATION DISTRICT.

*Thomas L. Willey* 6-20-88  
THOMAS L. WILEY, MD REG. NO. 8773 DATE

DEVELOPER'S CERTIFICATE  
I HAVE CERTIFIED THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEFINED NECESSARY.  
*John J. Mohr* 9/27/87  
KENNETH G. MOHR, N.Y.L. REG. NO. 110,000 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.  
*John J. Mohr* 9-23-88  
U.S. DEPARTMENT OF AGRICULTURE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
*John J. Mohr* 9/27/87  
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Paul J. Johnson* 10/27/88  
CHIEF, LAND DEVELOPMENT DIVISION DATE

*Grainger W. Wencora* 10/27/87  
CHIEF, BUREAU OF HIGHWAY DATE

*David S. P. P. P.* 11-17-88  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Frank J. P. P.* 11-25-87  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

DESIGN DATA TRAP #10  
1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 67 CY  
4. VOLUME PROVIDED: 68 CY  
5. TRAP SIZE (BOTTOM DIMENSIONS): 20' x 20'  
6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 488.00  
8. CREST ELEVATION: 489.50  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 2'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #11  
1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
2. TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 67 CY  
4. VOLUME PROVIDED: 70 CY  
5. TRAP SIZE (BOTTOM DIMENSIONS): 20' x 20'  
6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 488.00  
8. CREST ELEVATION: 489.50  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 2'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #12  
1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
2. TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 67 CY  
4. VOLUME PROVIDED: 70 CY  
5. TRAP SIZE (BOTTOM DIMENSION) 20' x 20'  
6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 489.50  
8. CREST ELEVATION: 491.00  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 4'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #13  
1. DRAINAGE AREA TO TRAP: 3.11 ACRES ±  
2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 224 CY  
4. VOLUME PROVIDED: 218 CY  
5. TRAP SIZE (BOTTOM DIMENSIONS): 50' x 24'  
6. TRAP DEPTH: 3'-0"  
7. BOTTOM ELEVATION: 480.00  
8. CREST ELEVATION: 484.00  
9. CLEANOUT ELEVATION: 481.50  
10. OUTLET WIDTH: 6'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #8  
1. DRAINAGE AREA TO TRAP: 1.40 ACRES ±  
2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 96 CY  
4. VOLUME PROVIDED: 111 CY  
5. TRAP SIZE (BOTTOM DIMENSIONS): 20' x 25'  
6. TRAP DEPTH: 3'-0"  
7. BOTTOM ELEVATION: 430.00  
8. CREST ELEVATION: 434.00  
9. CLEANOUT ELEVATION: 431.00  
10. OUTLET WIDTH: 2'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #9  
1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
2. TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 67 CY  
4. VOLUME PROVIDED: 70 CY  
5. TRAP SIZE (BOTTOM DIMENSION) 20' x 20'  
6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 488.00  
8. CREST ELEVATION: 489.50  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 2'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #10  
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6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 489.50  
8. CREST ELEVATION: 491.00  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 4'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #11  
1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
2. TYPE OF TRAP: RIPRAP OUTLET SEDIMENT TRAP  
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4. VOLUME PROVIDED: 70 CY  
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6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 488.00  
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9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 4'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #13  
1. DRAINAGE AREA TO TRAP: 3.11 ACRES ±  
2. TYPE OF TRAP: STONE OUTLET SEDIMENT TRAP  
3. VOLUME REQUIRED: 224 CY  
4. VOLUME PROVIDED: 218 CY  
5. TRAP SIZE (BOTTOM DIMENSIONS): 50' x 24'  
6. TRAP DEPTH: 3'-0"  
7. BOTTOM ELEVATION: 480.00  
8. CREST ELEVATION: 484.00  
9. CLEANOUT ELEVATION: 481.50  
10. OUTLET WIDTH: 6'-0"  
11. SIDE SLOPES: 2:1

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10. OUTLET WIDTH: 4'-0"  
11. SIDE SLOPES: 2:1

DESIGN DATA TRAP #13  
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8. CREST ELEVATION: 484.00  
9. CLEANOUT ELEVATION: 481.50  
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11. SIDE SLOPES: 2:1

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8. CREST ELEVATION: 489.50  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 2'-0"  
11. SIDE SLOPES: 2:1

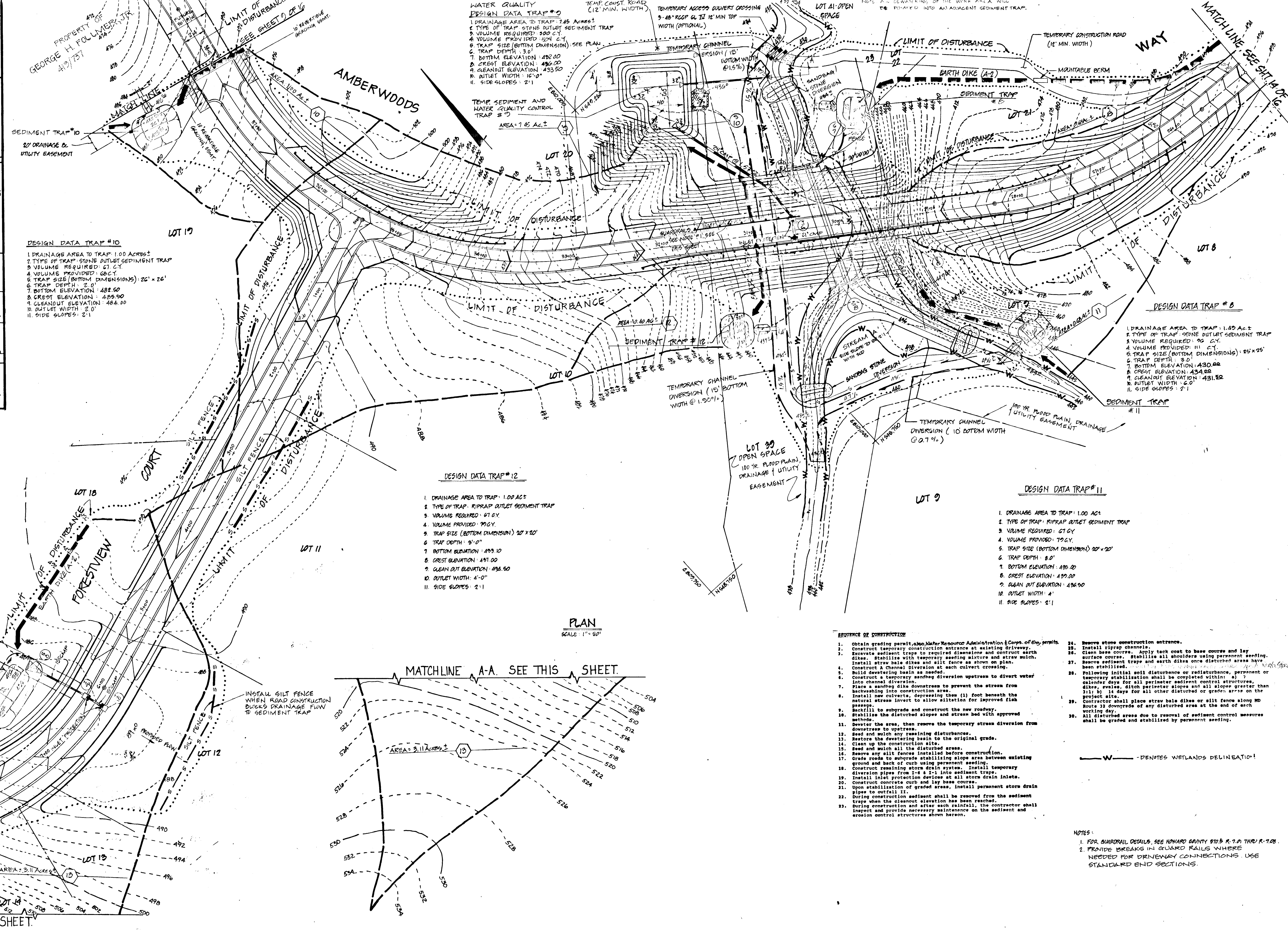
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1. DRAINAGE AREA TO TRAP: 1.00 ACRES ±  
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11. SIDE SLOPES: 2:1

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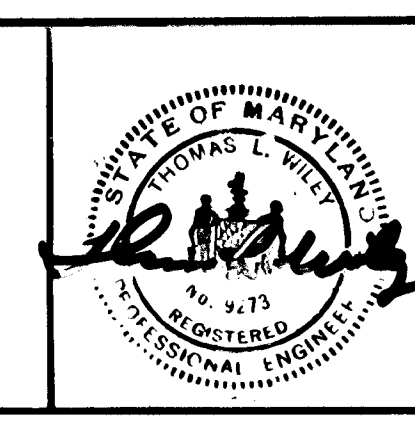
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3. VOLUME REQUIRED: 67 CY  
4. VOLUME PROVIDED: 70 CY  
5. TRAP SIZE (BOTTOM DIMENSION) 20' x 20'  
6. TRAP DEPTH: 2'-0"  
7. BOTTOM ELEVATION: 489.50  
8. CREST ELEVATION: 491.00  
9. CLEANOUT ELEVATION: 484.50  
10. OUTLET WIDTH: 4'-0"  
11. SIDE SLOPES: 2:1



REVISIONS table with columns for DATE, BY, and DESCRIPTION. Includes entries for 12/1/87 and 1-19-88.

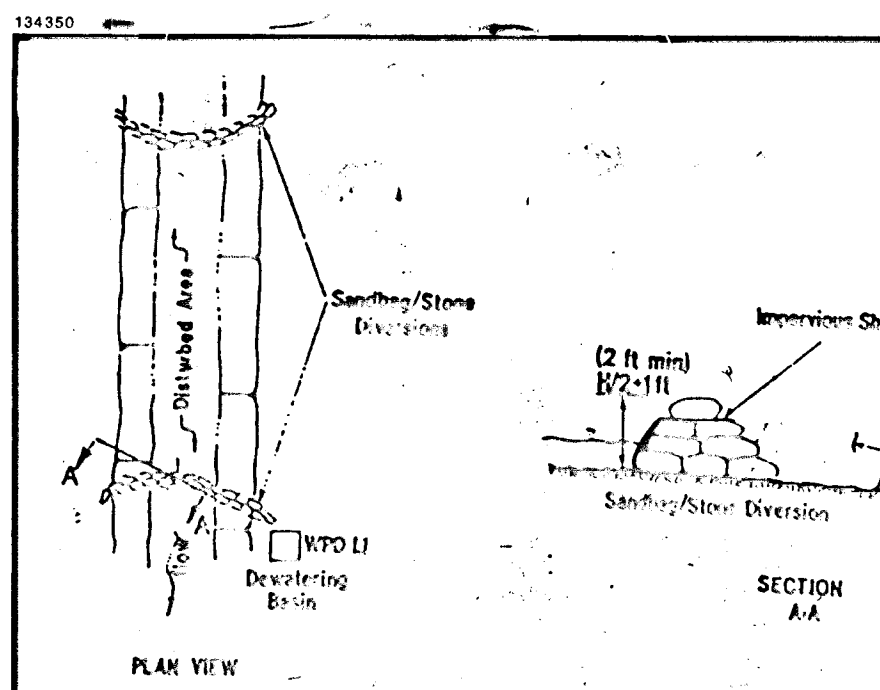
DESIGNED, DRAWN, CHECKED, APPROVED table with names and dates for K.M. CHAVARA, D.M. PETERS, B.D. BURTON, and T.L. WILEY.

Dewberry & Davis ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS. 3300 N. RIDGE ROAD, SUITE 100, ELLICOTT CITY, MD. 21043. (301) 461-7478.

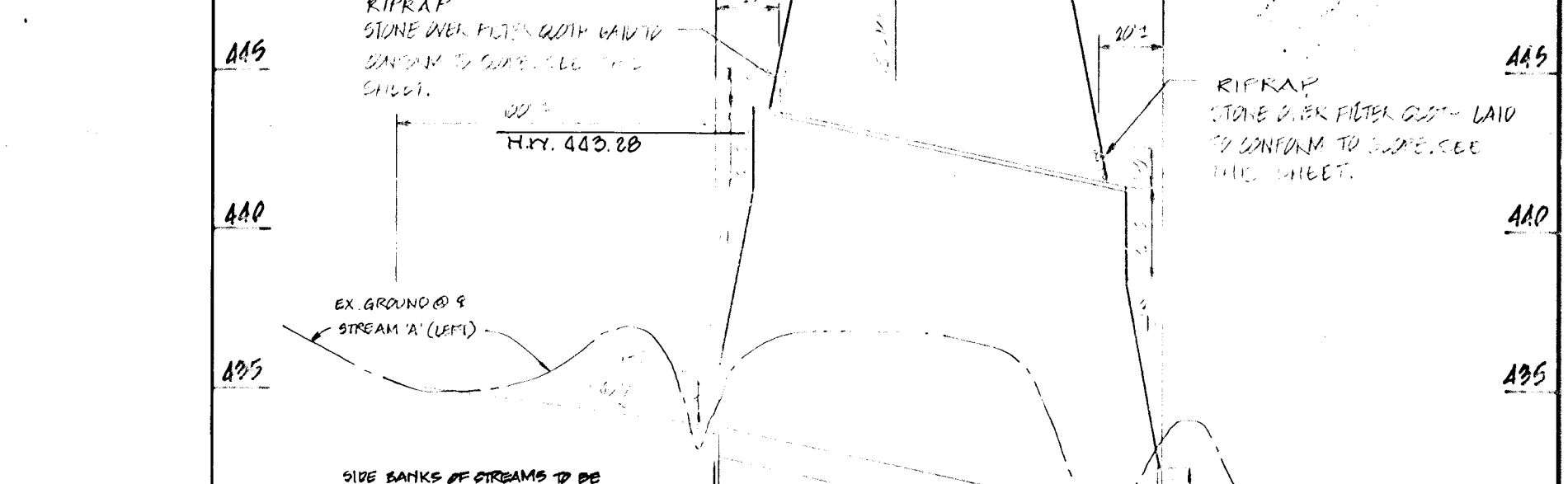
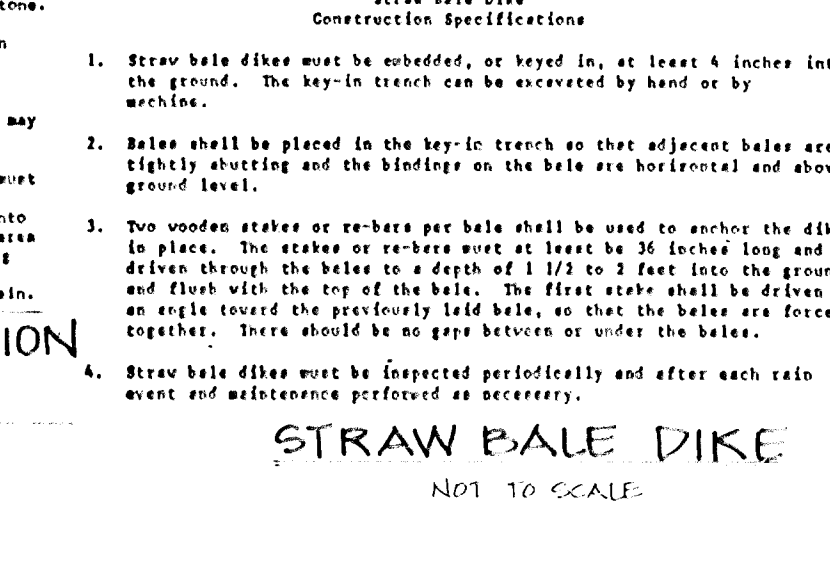
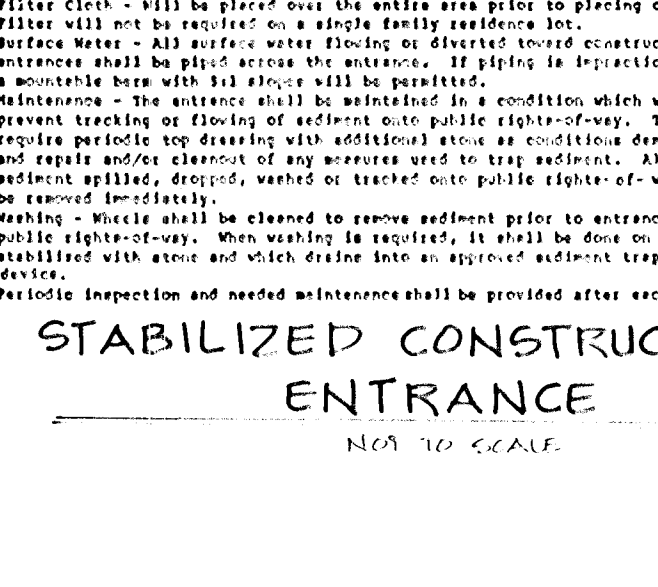
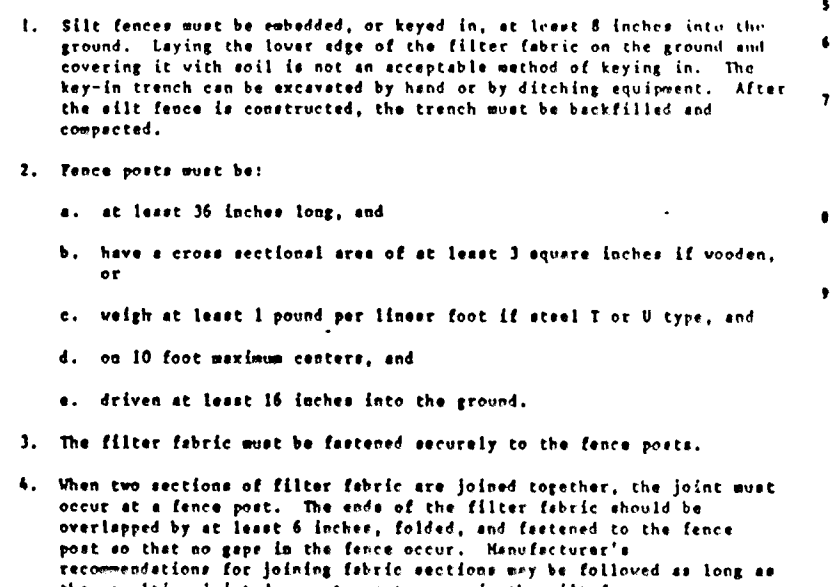
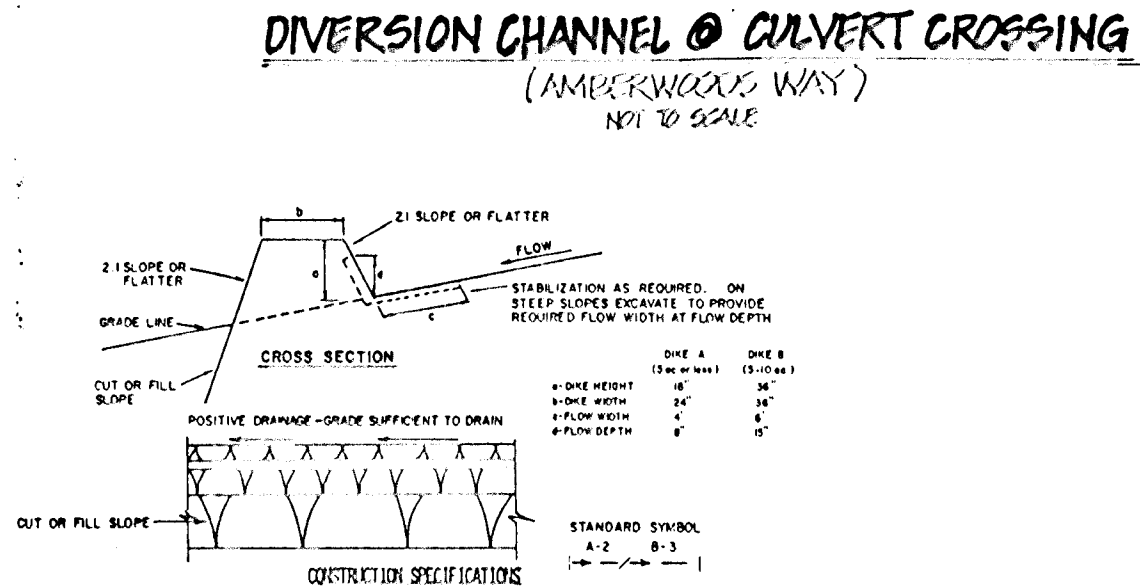
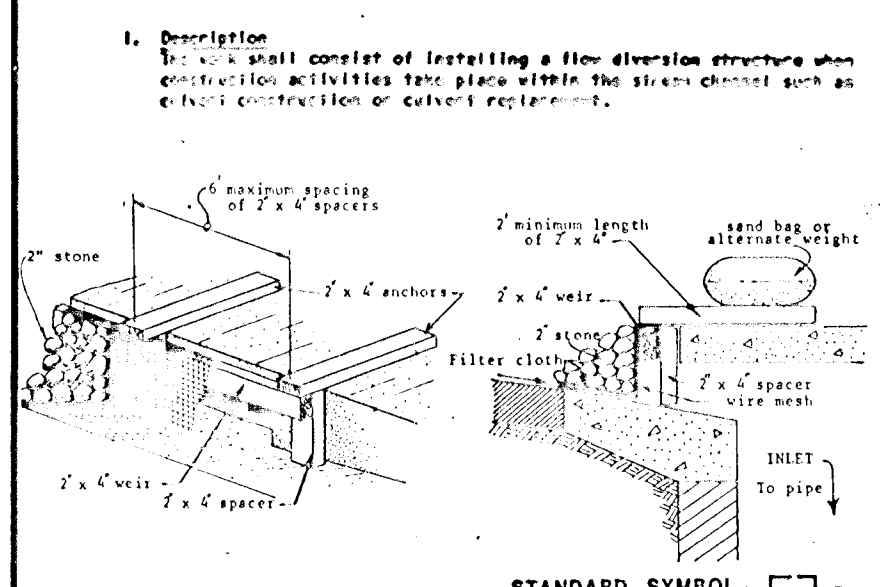
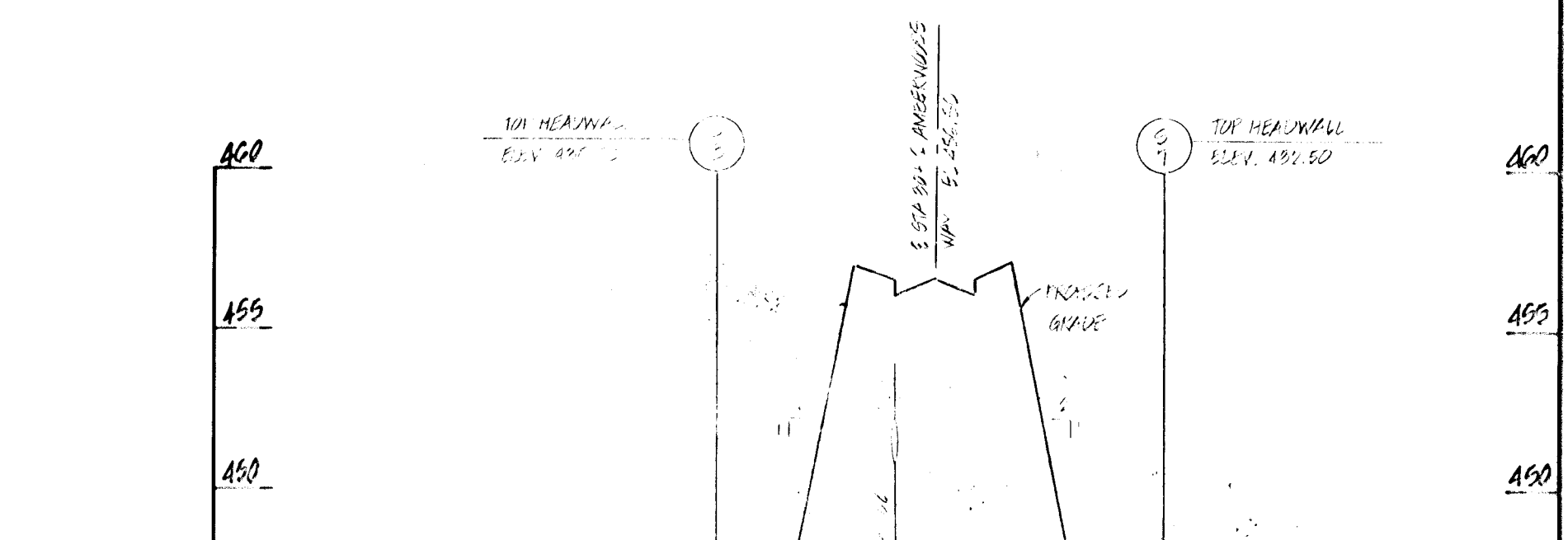
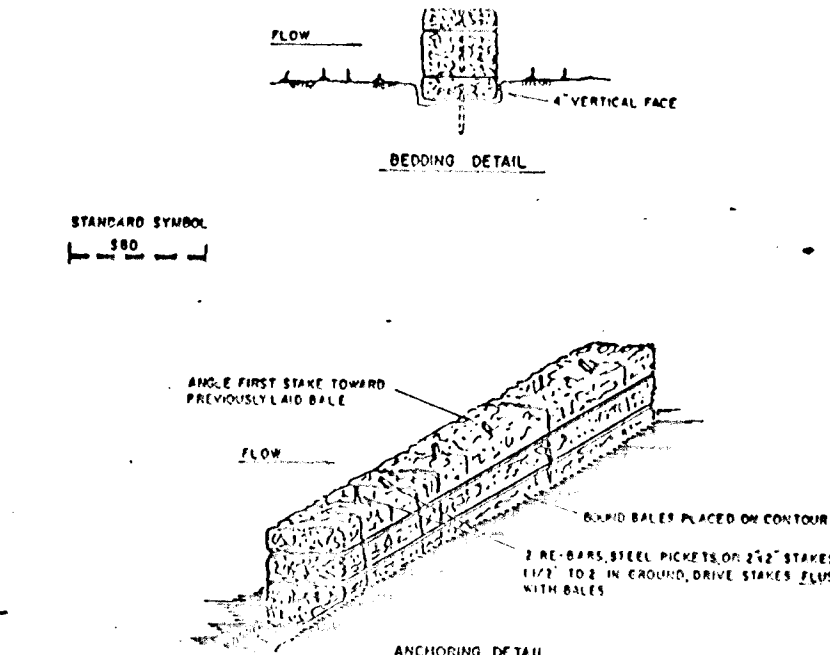
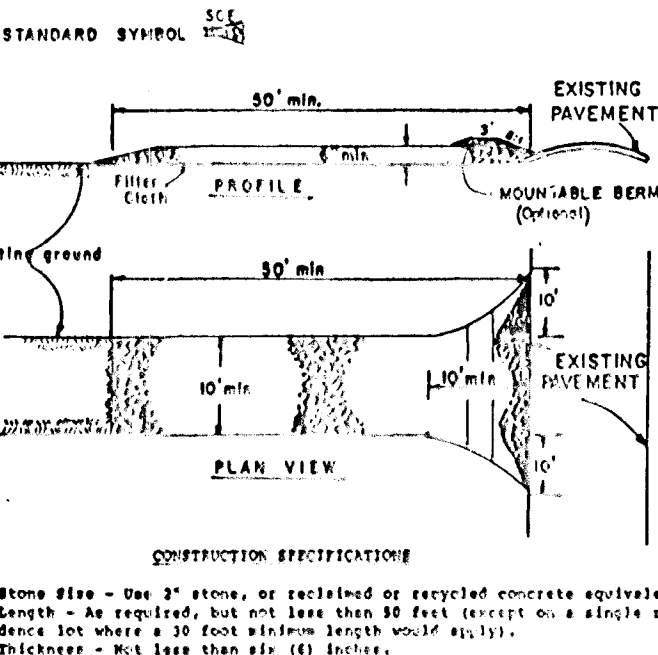
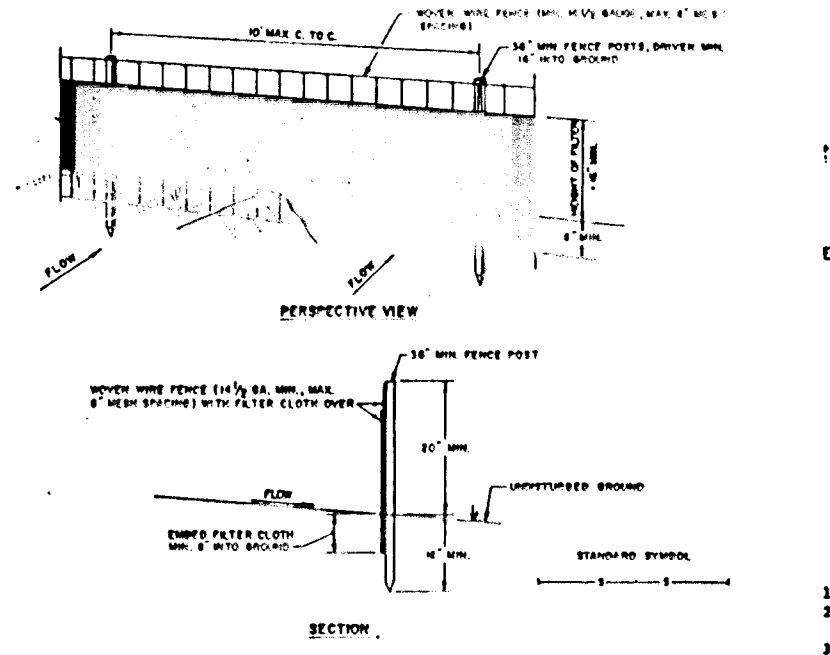


OWNER / DEVELOPER: N.V. LAND, INC. 6820 ELM STREET, MCLEAN, VIRGINIA 22101, (703) 734-9730.

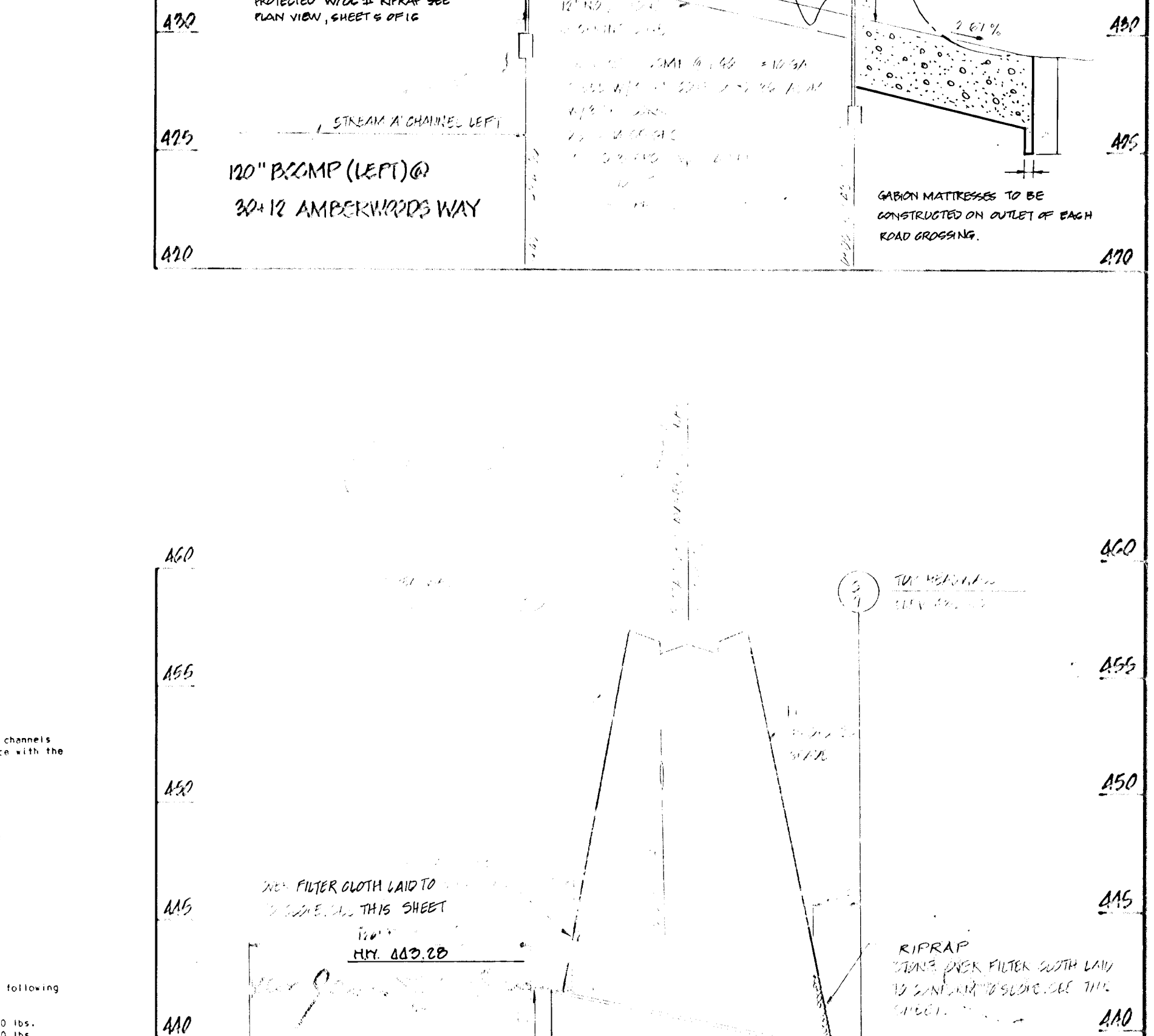
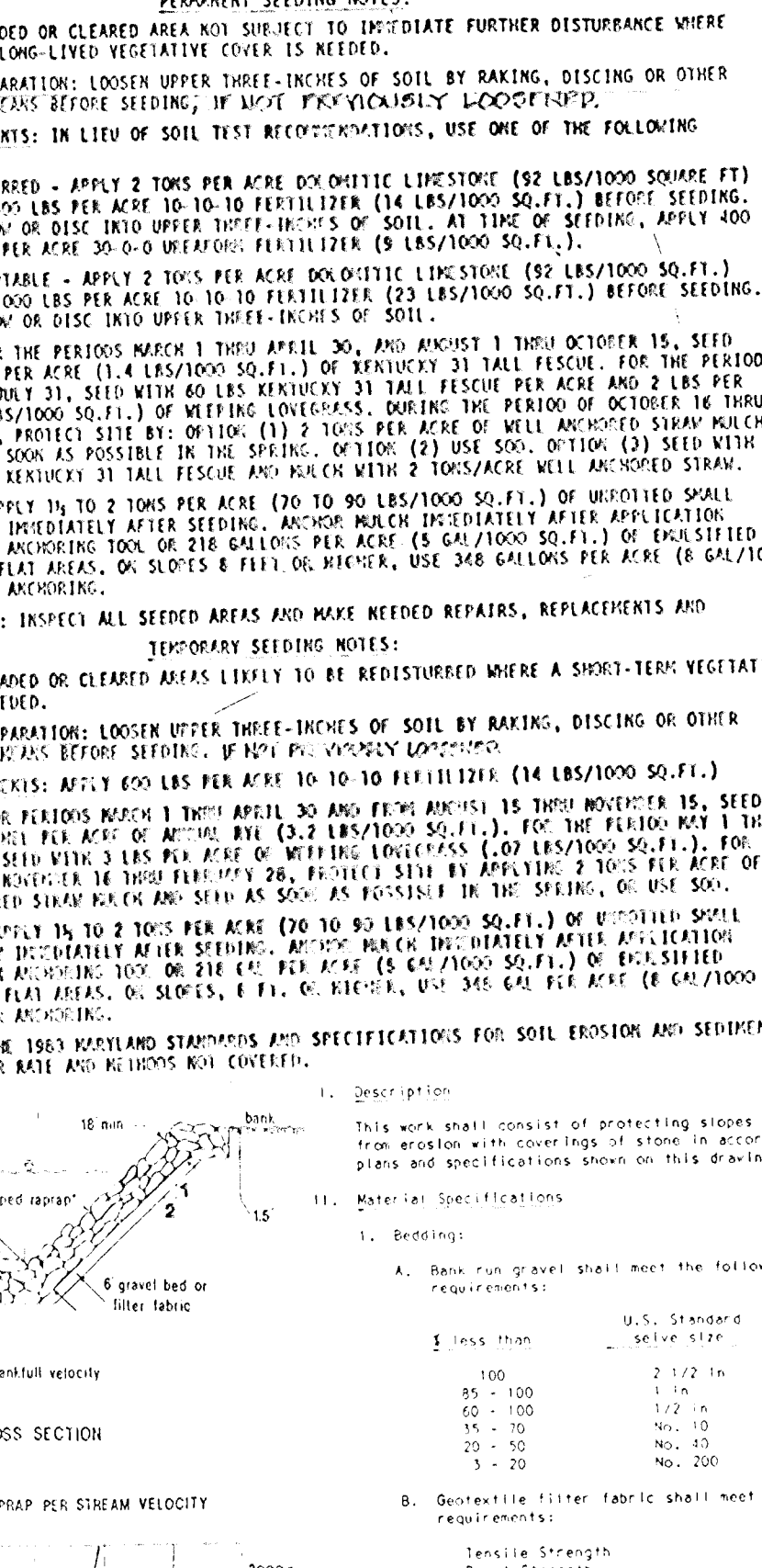
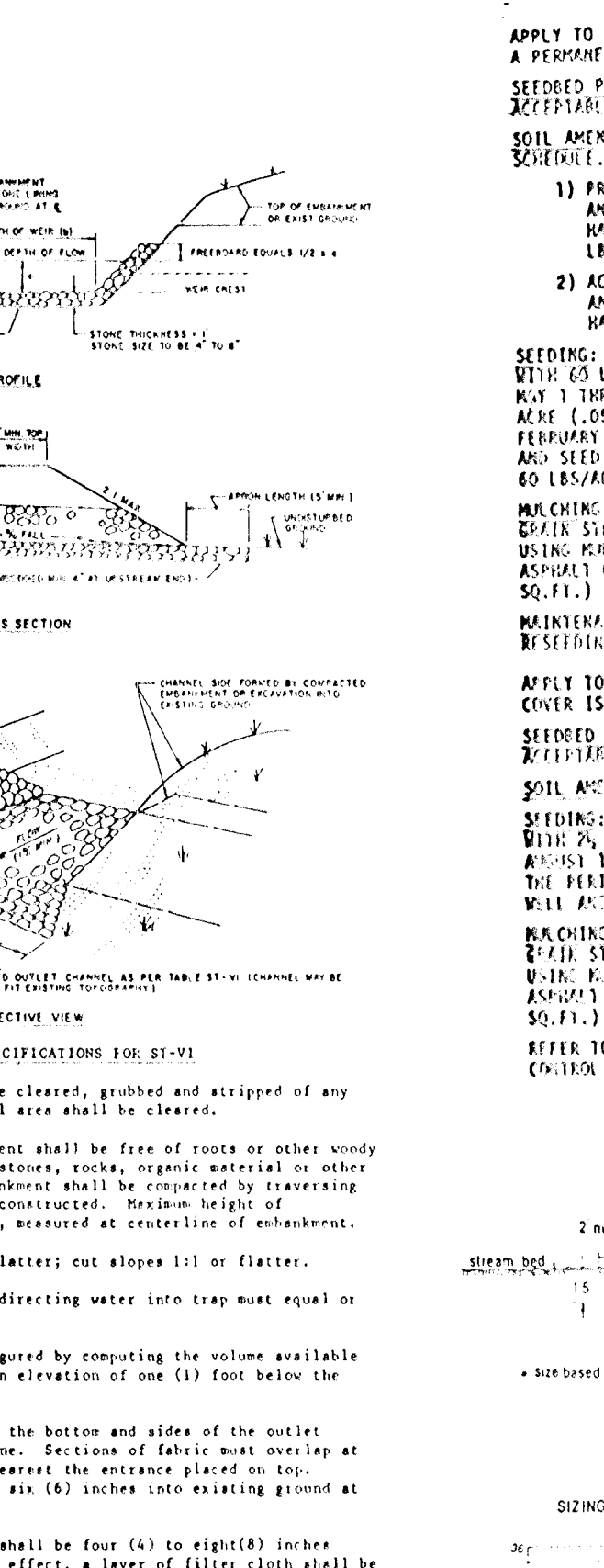
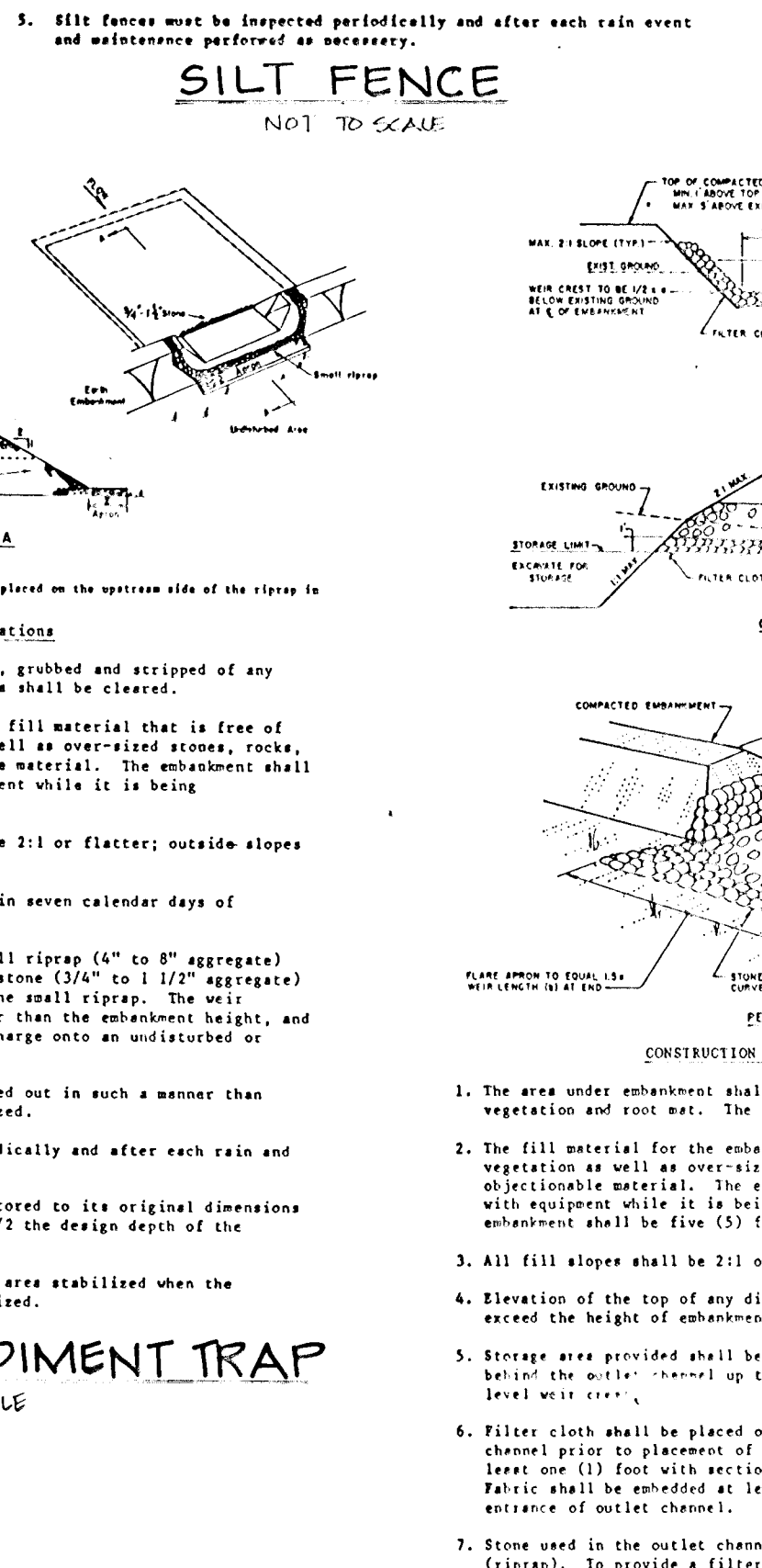
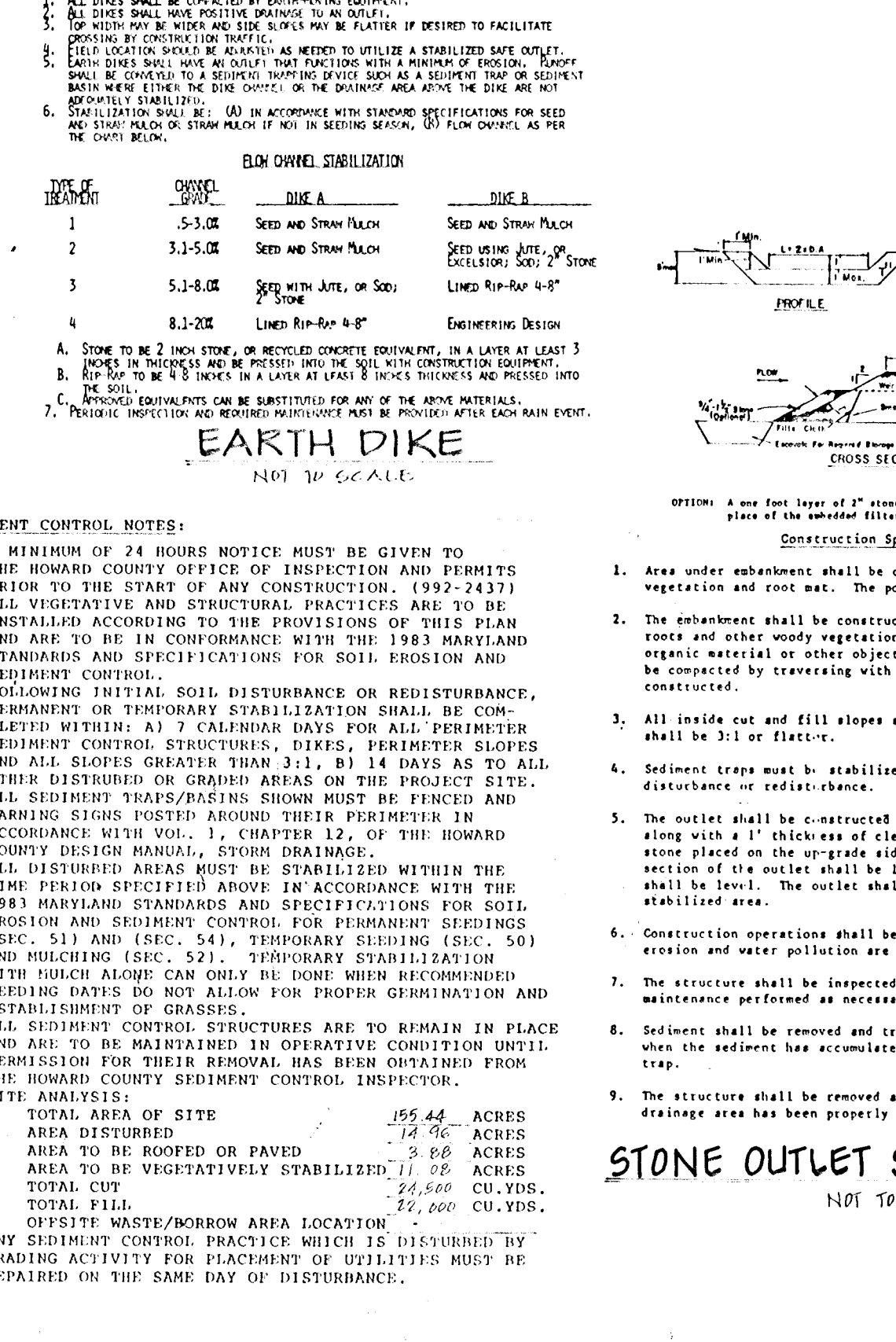
GRADING AND SEDIMENT CONTROL PLAN. AMBERWOODS SECTION ONE. LOT 1 THRU LOT 42. TAXMAP 9 PARCEL 48144. 3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND.



- 1. Material Specifications
- 2. Construction Requirements



- 1. Description
- 2. Materials
- 3. Construction Specifications
- 4. Procedure
- 5. Erosion Control Notes



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

THOMAS L. WILEY, MD. REG. NO. 9273  
DEVELOPER'S CERTIFICATE  
DATE: 6-30-88

"I ME CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

RENNETH G. MALM, N.V.I. AND, INC.  
DATE: 6/1/88

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

DATE: 1-30-88

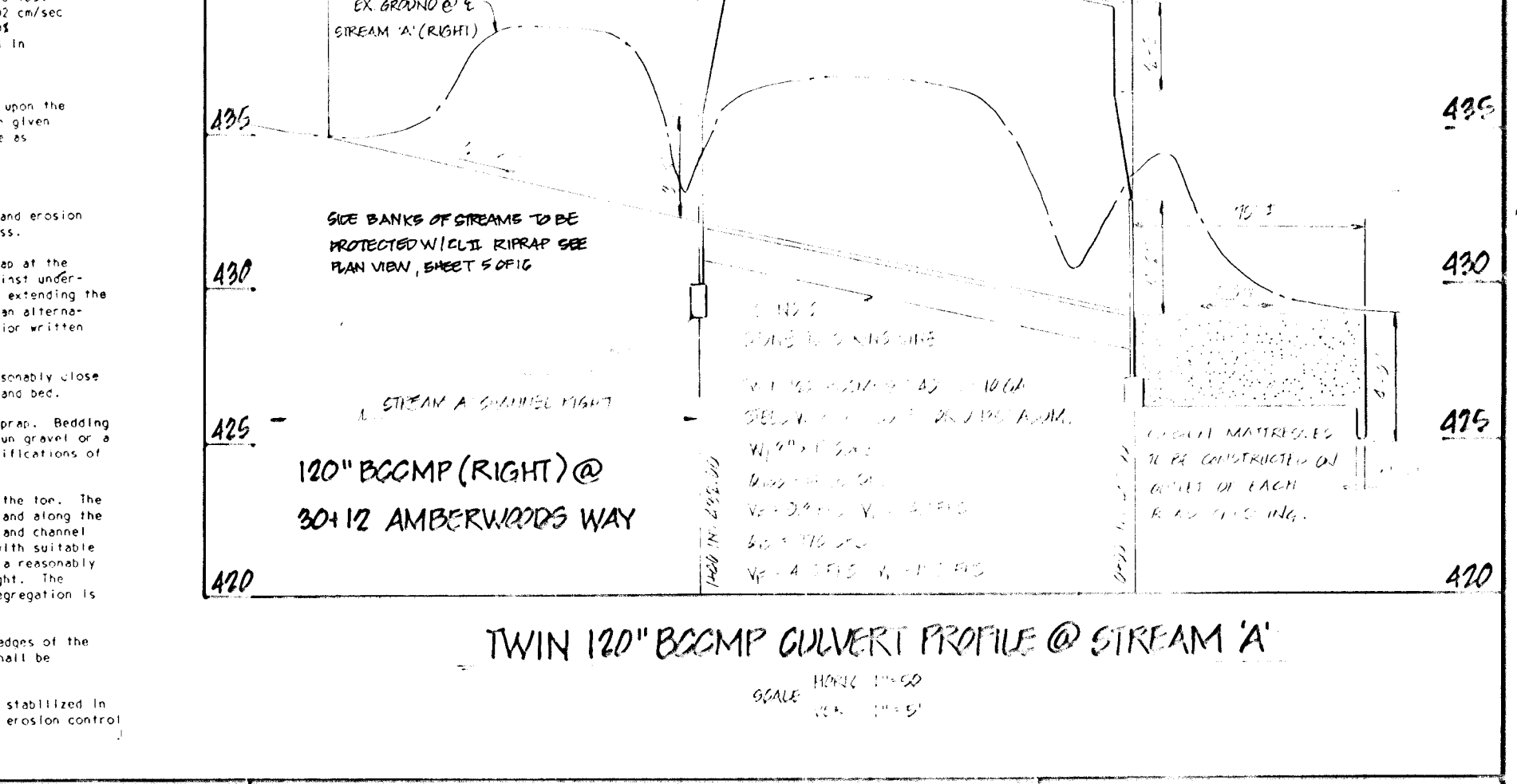
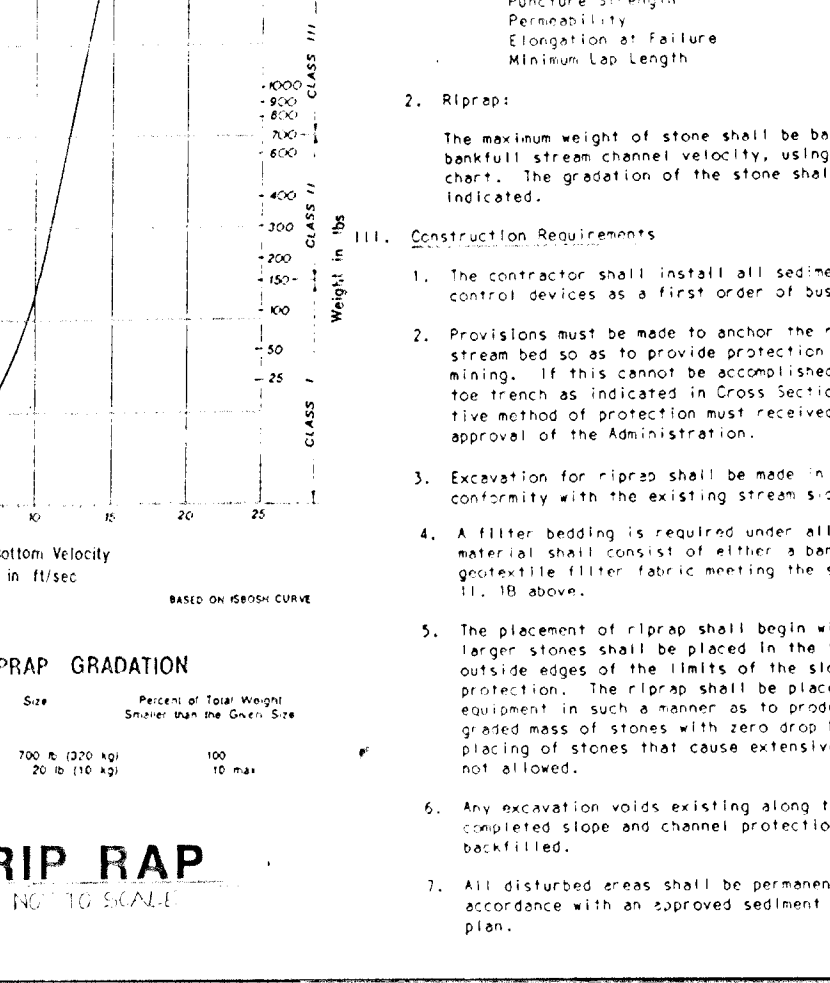
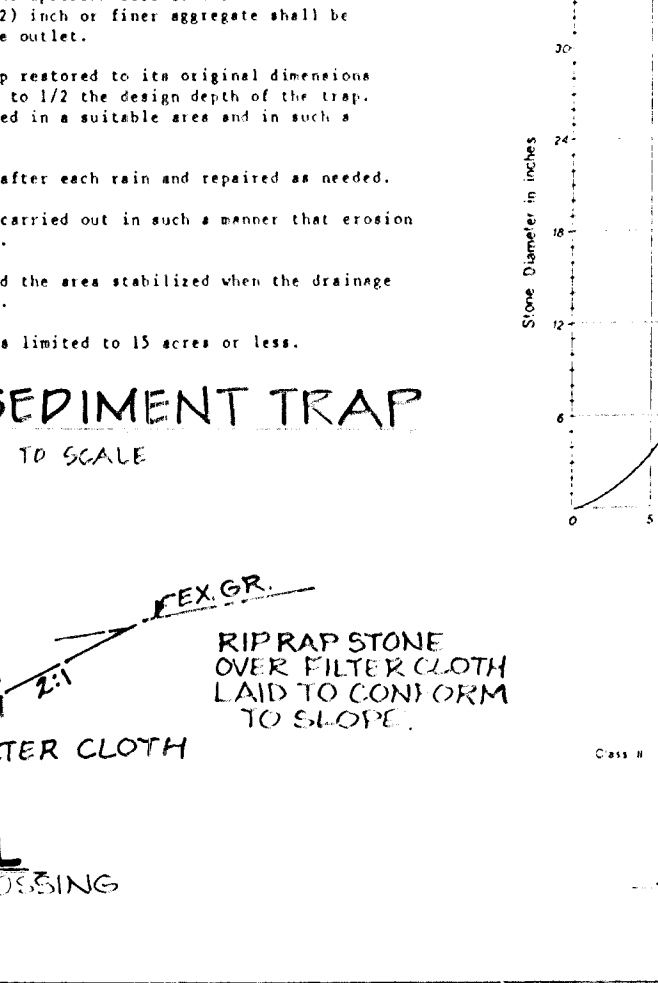
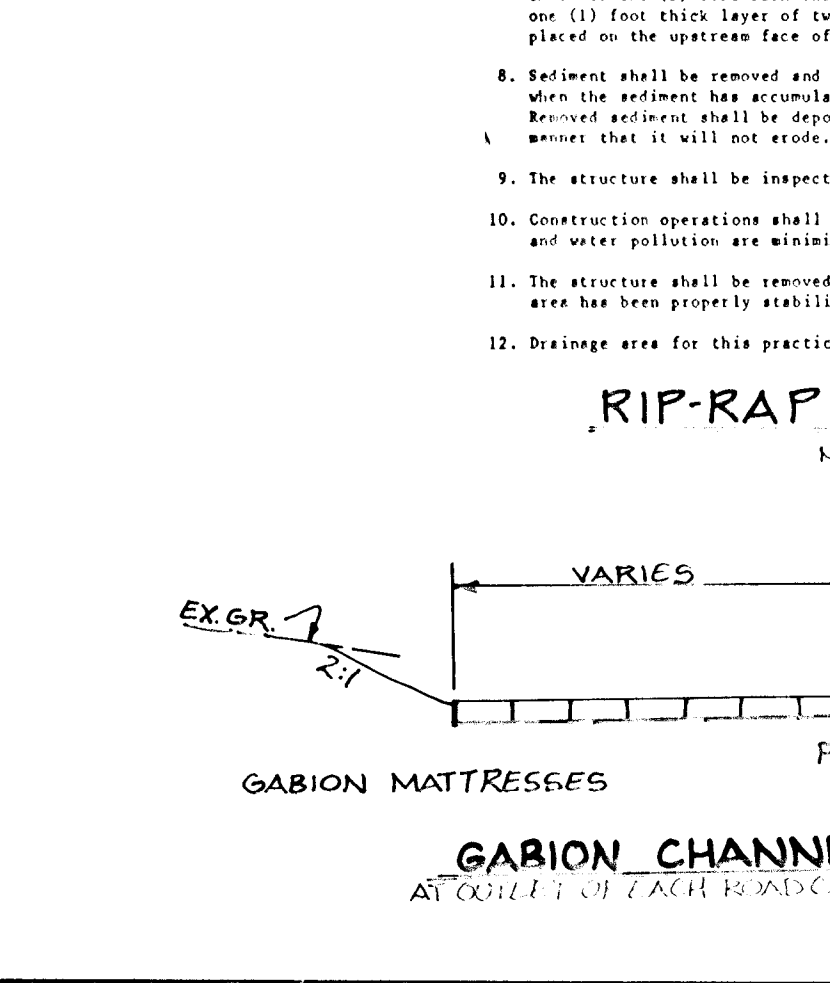
U.S. SOIL CONSERVATION SERVICE

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

APPROVED: DEPARTMENT OF PUBLIC WORKS.

DATE: 1-17-88

DATE: 6/1/88



DESIGNED BY	DATE	BY	DATE
J.F. HANNA	12-31-87	J.A. UDICH	12-31-87
J.A. UDICH	12-31-87	B.D. BURTON	12-31-87
B.D. BURTON	12-31-87	J.L. WILEY	1-19-88

REVISIONS	DESCRIPTION
1	PER NO. 60 COMMENTS UNDER 10/10/86

**Dewberry & Davis**  
ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS  
3300 N. RIDGE ROAD, SUITE 100  
ELLICOTT CITY, MD. 21043  
(301) 461-7478

OWINE R. DEVELOPER  
N.V.LAND, INC.  
6620 I STREET  
MCLEAN, VIRGINIA 22101  
(703) 734-9730

SEDIMENT CONTROL DETAILS  
AMBERWOODS  
SECTION ONE  
1001 THRU 1002  
TAX MAP 5 PARCELS 4 & 144  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND