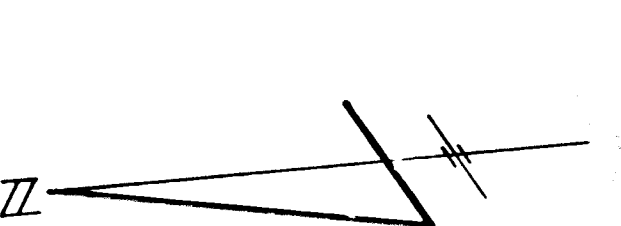


ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Frank Witz 3/1/89
 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.

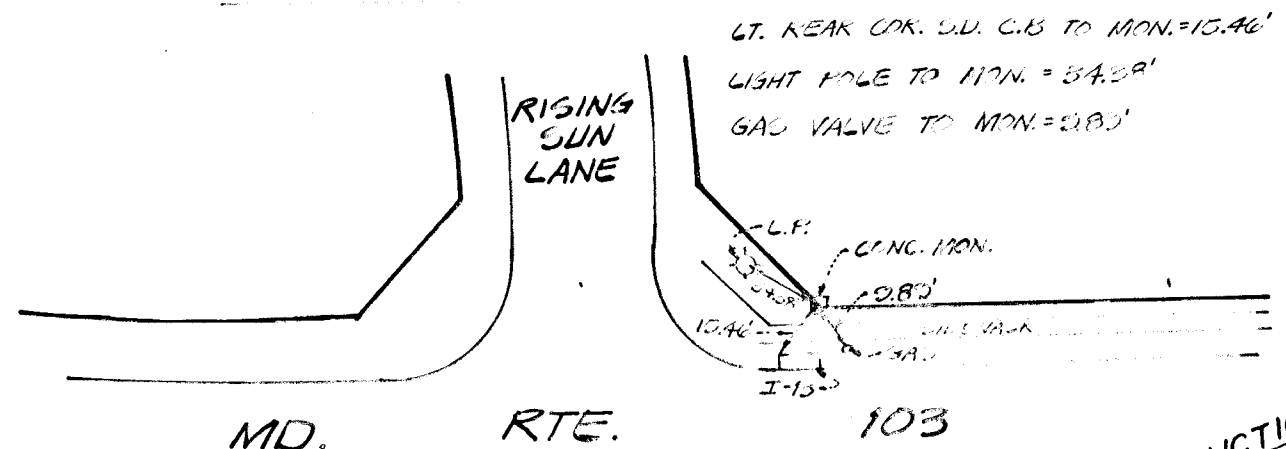
Kent D. Mohr 3/24/89
 DATE



- LIGHTING LEGEND**
- TYPE 'A' 150 WATT HIGH PRESS. SODIUM VAPOR LAMP MOUNTED ON A 30' HIGH GALVANIZED STEEL POLE.
 - TYPE 'B' 250 WATT MERCURY VAPOR LAMP MOUNTED ON A 25' HIGH GALVANIZED STEEL POLE.

PLAN
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 NOTE BOOK NO.: [Blank]
 DATE: [Blank]
 BY: [Blank]
 CHECKED BY: [Blank]

RECOVERY SKETCH-CONC. MONUMENT #3201



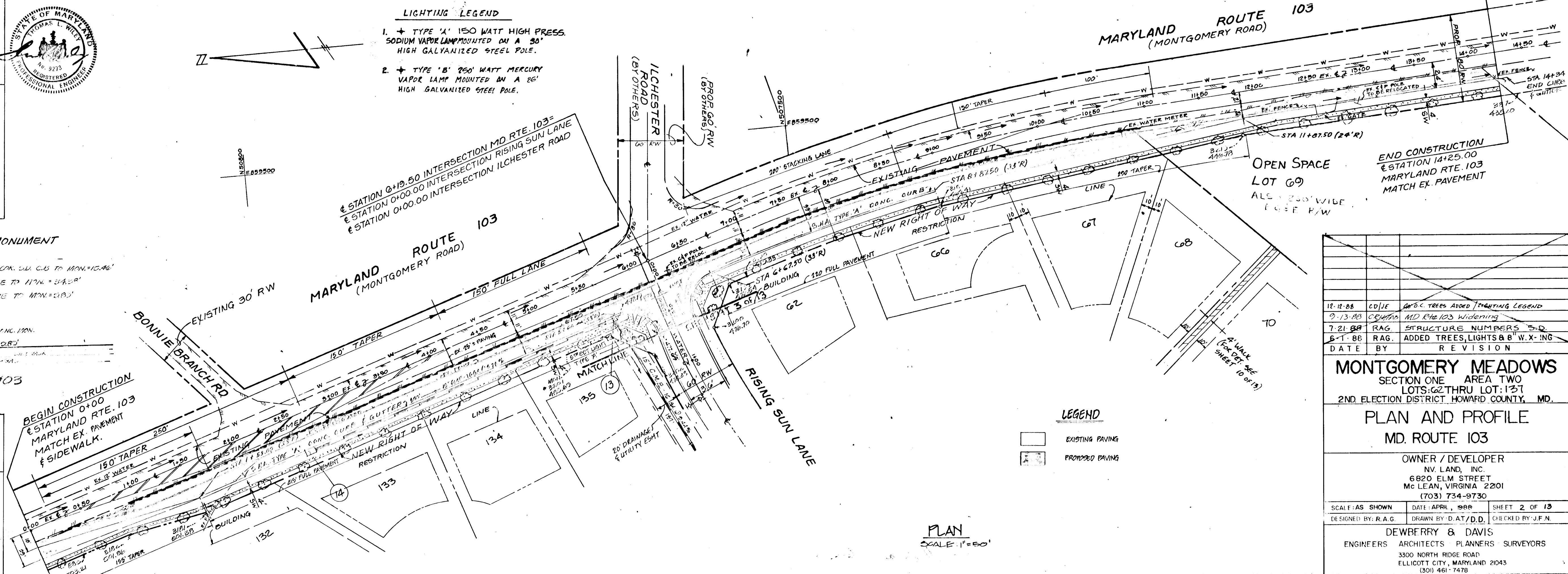
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Mark S. Taylor 4/24/89
 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Arnold O. Sporn 6/7/89
 DATE

Frank W. Weber 6/7/89
 DATE

William E. Raley 6/18/89
 DATE

BEGIN CONSTRUCTION
 STATION 0+00
 MARYLAND RTE. 103
 MATCH EX. PAVEMENT & SIDEWALK.



LEGEND

EXISTING PAVING

PROPOSED PAVING

PLAN SCALE 1"=50'

DATE	BY	REVISION
12-12-88	CD/E	ADD TREES ADDED TRAILING LEGEND
9-13-88	CD/E	MD RTE 103 Widening
7-21-88	RAG	STRUCTURE NUMBERS S-D
6-1-88	RAG	ADDED TREES, LIGHTS & W.X-ING

MONTGOMERY MEADOWS
 SECTION ONE AREA TWO
 LOTS G2 THRU LOT 137
 2ND ELECTION DISTRICT HOWARD COUNTY, MD.

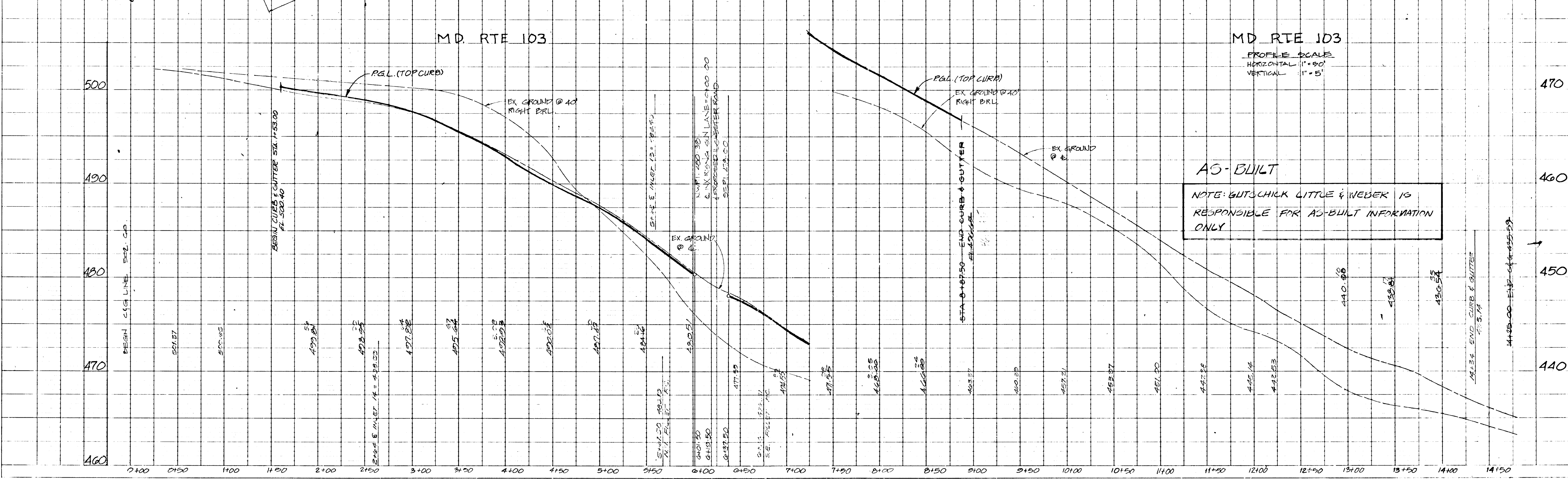
PLAN AND PROFILE
 MD. ROUTE 103

OWNER / DEVELOPER
 NV. LAND, INC.
 6820 ELM STREET
 MCLEAN, VIRGINIA 22001
 (703) 734-9730

SCALE AS SHOWN DATE APRIL, 1989 SHEET 2 OF 13
 DESIGNED BY: R.A.G. DRAWN BY: D.A.T./D.D. CHECKED BY: J.F.N.

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

PROFILE
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AS-BUILT

NOTE: BLITSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY

443

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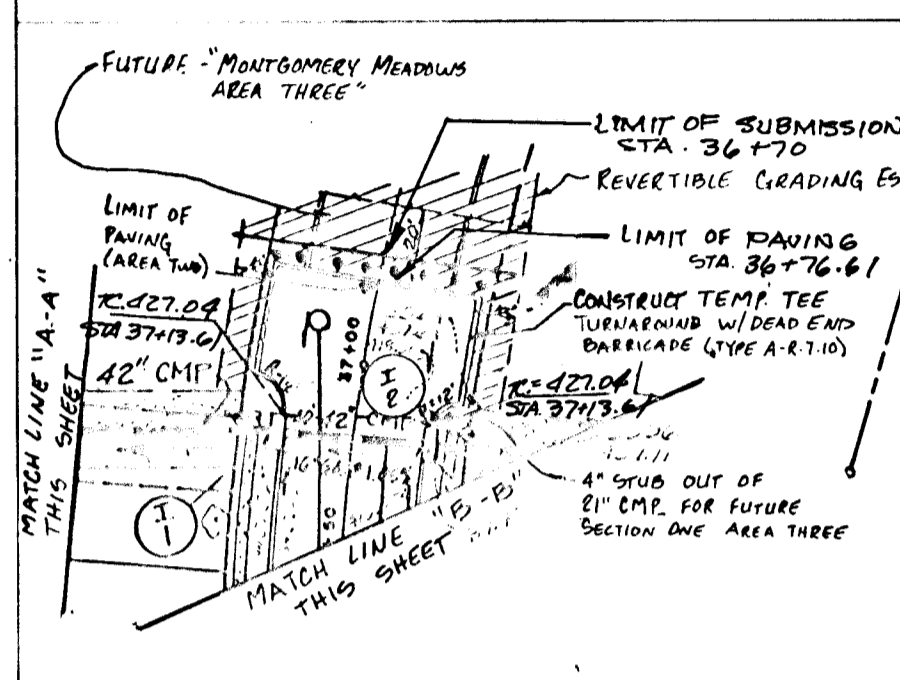
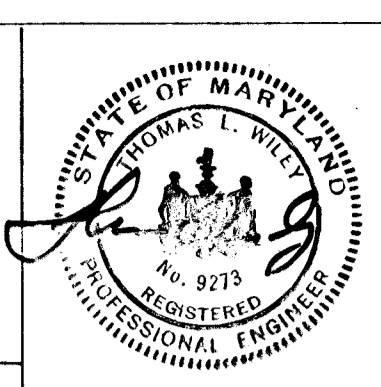
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ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD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

Thomas L. Wiley 3/21/89
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 AS A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE FEEDBACK CONSULTING INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

Kenneth J. Mahan 3/21/89
DATE



APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

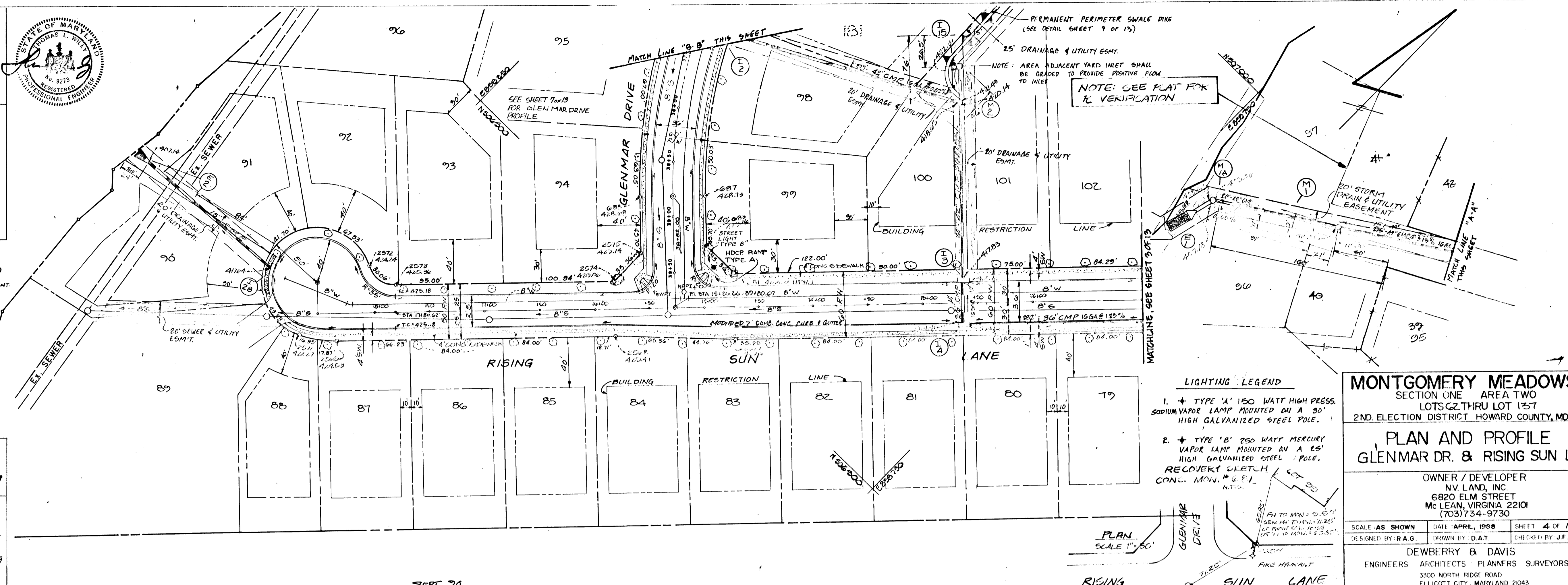
Marsha S. DeCoy 6/10/89
COMMUNITY PLANNING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Donald J. Sporn 6/7/89
DATE

Granville W. Wellwood 6/7/89
DATE

Madison & Riley 6/8/89
DATE



LIGHTING LEGEND

1. TYPE 'A' 150 WATT HIGH PRESS. SODIUM VAPOR LAMP MOUNTED ON A 30' HIGH GALVANIZED STEEL POLE.

2. TYPE 'B' 250 WATT MERCURY VAPOR LAMP MOUNTED ON A 25' HIGH GALVANIZED STEEL POLE.

RECOVER SKETCH CONC. MON. & P.L. NOTES

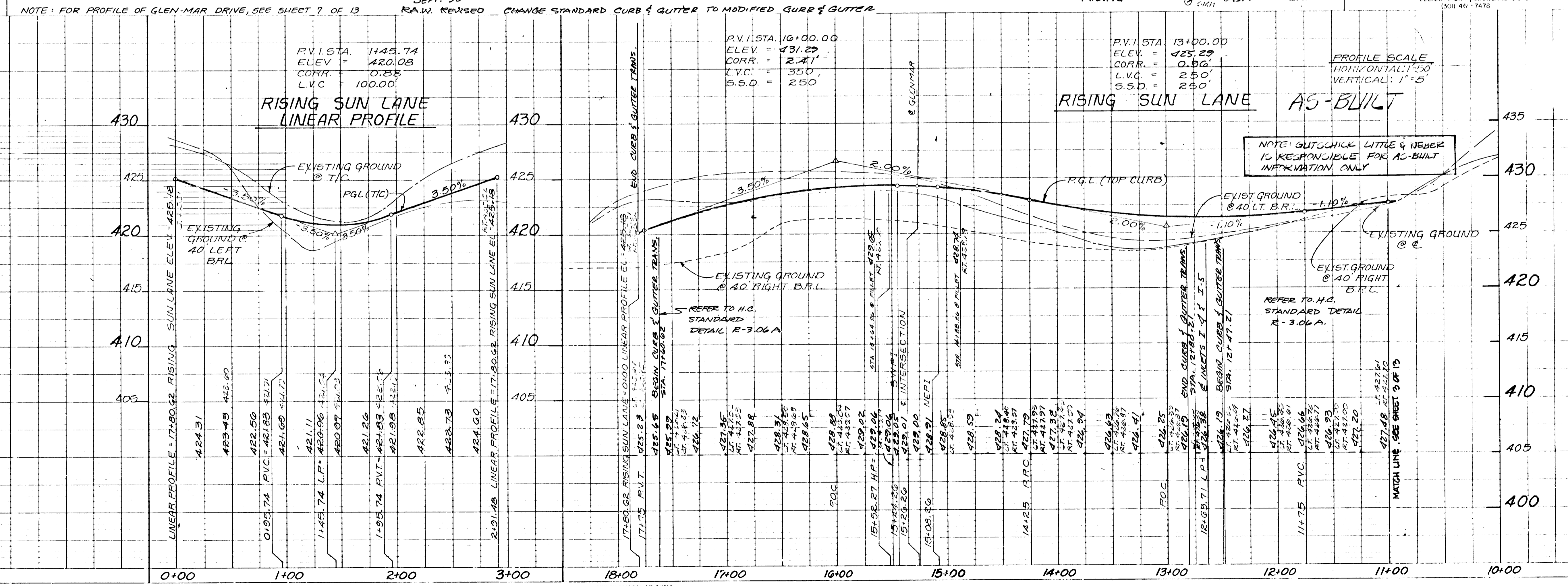
MONTGOMERY MEADOWS
SECTION ONE AREA TWO
LOTS 62 THRU LOT 137
2ND ELECTION DISTRICT HOWARD COUNTY, MD.

PLAN AND PROFILE
GLENMAR DR. & RISING SUN LN.

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

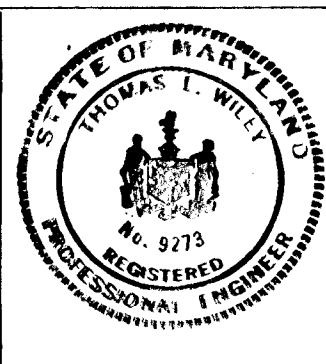
SCALE AS SHOWN DATE: APRIL, 1988 SHEET 4 OF 13
DESIGNED BY: R.A.G. DRAWN BY: D.A.T. CHECKED BY: J.F.M.

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



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.

Shirley Wilby 3/2/89
 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 AS A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THE AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

Smith & Malm 3/2/89
 DATE

NEW PROSPECT COURT
 4 CURVE DATA
 STA 0+90.19 - STA 1+71.75
 R = 643.02'
 A = 101.79°
 T = 51.00°
 Δ = 9° 0' 0"
 L.C. 101.67'

FOREST MEADOW COURT
 2 CURVE DATA
 STA 1+95.45 TO STA 2+65.37
 R = 106.37'
 L = 69.92'
 Δ = 37° 30' 45"
 T = 36.28'
 L.C. = 68.67'

PLAN
 SURVEYED, PLOTTED, NOTE BOOK ALIGNMENT CHECKED, NO. OF WAY CHECKED

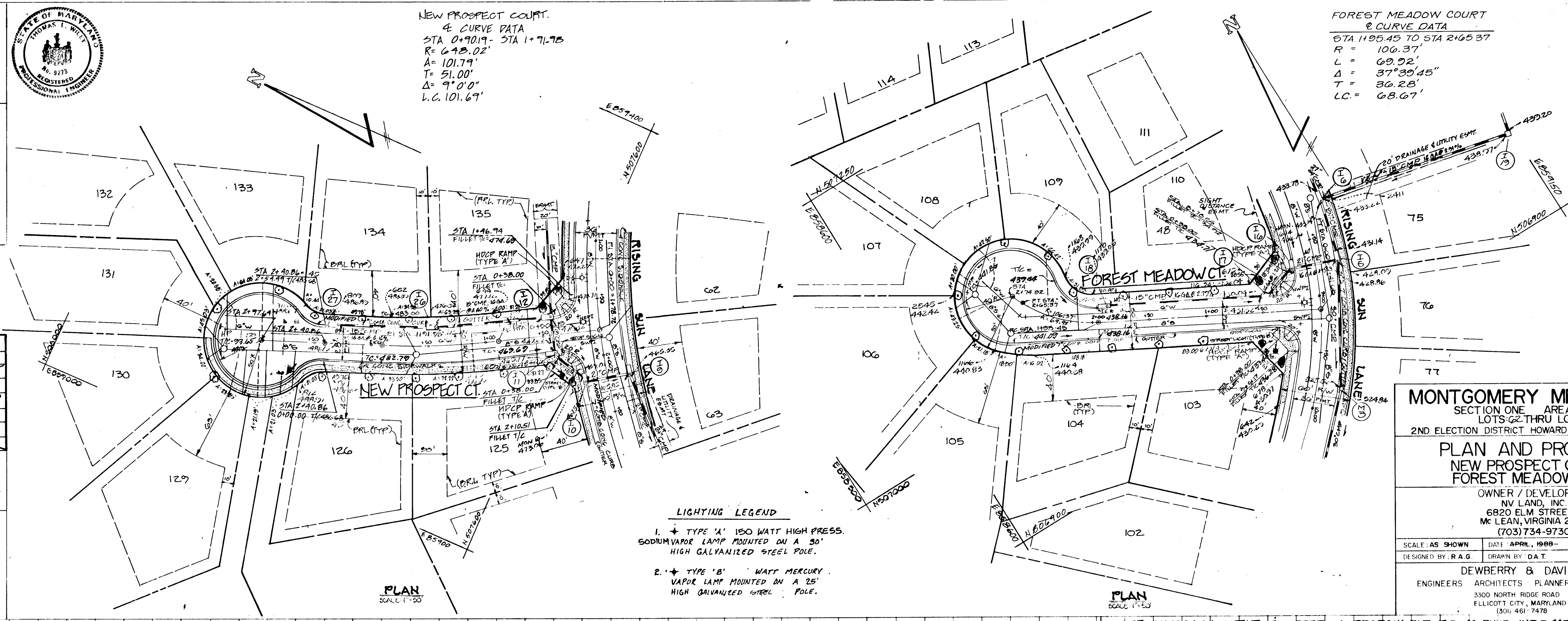
DATE	BY	DESCRIPTION
7-21-88	D.D.	REVISED STR NO'S & S.D. SYSTEMS
12-12-88	CDJ	LIGHTING LEGEND ADDED
5-27-90	EPB	CHANGE STANDARD CURB & GUTTER TO MODIFIED CURB & GUTTER

APPROVED BY: *Harsh S. J. Taylor* 6/2/89
 COMMUNITY PLANNING & LAND DEVELOPMENT

APPROVED BY: *Donald W. Sporn* 6/7/89
 COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Drummond W. Weisbach* 6/7/89
 DATE

Richard S. Reddy 6/18/89
 DATE



LIGHTING LEGEND
 1. TYPE 'A' 150 WATT HIGH PRESS. SODIUM VAPOR LAMP MOUNTED ON A 30' HIGH GALVANIZED STEEL POLE.
 2. TYPE 'B' 75 WATT MERCURY VAPOR LAMP MOUNTED ON A 25' HIGH GALVANIZED STEEL POLE.

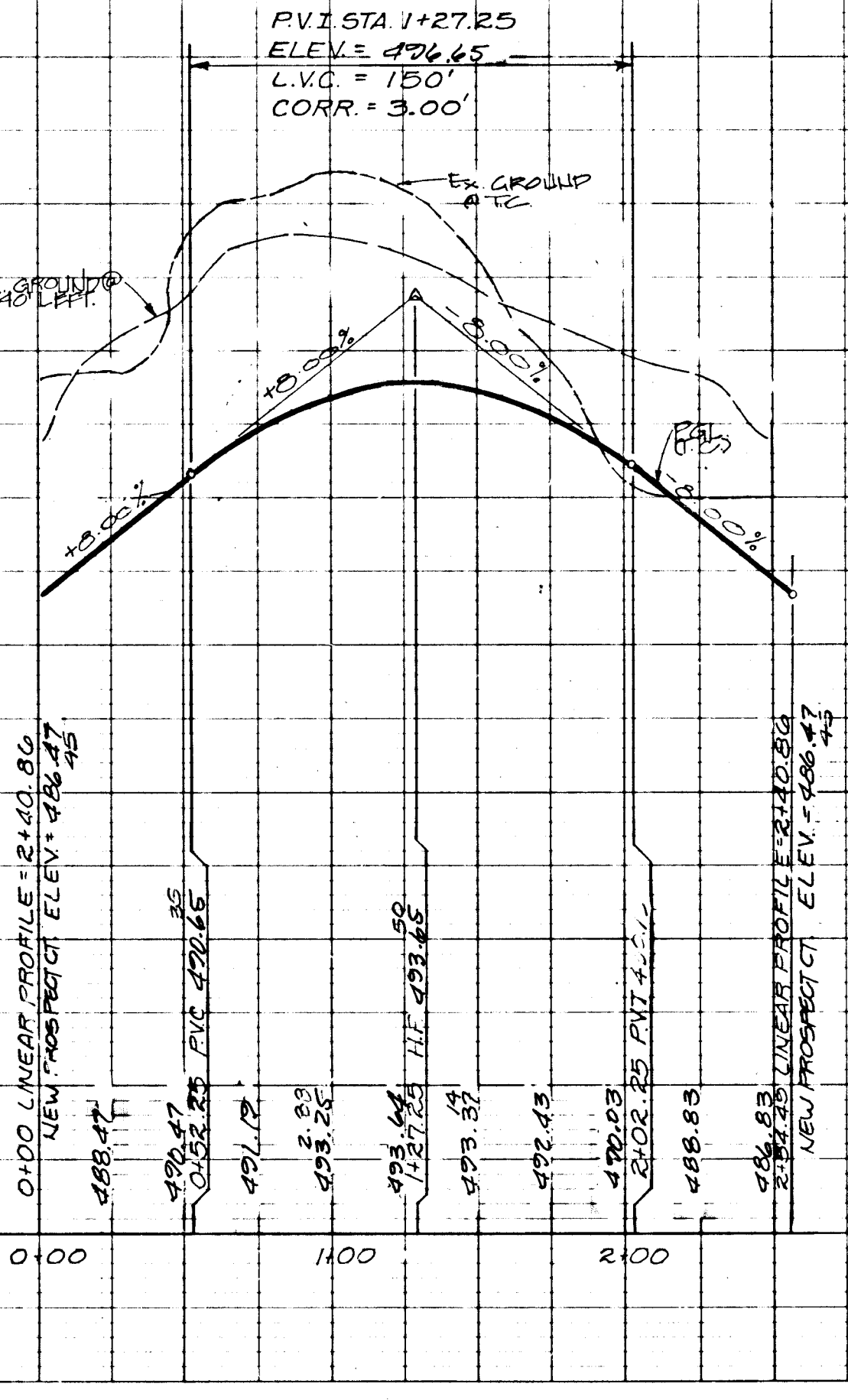
MONTGOMERY MEADOWS
 SECTION ONE AREA TWO
 LOTS 62 THRU LOT 131
 2ND ELECTION DISTRICT HOWARD COUNTY, MD.

PLAN AND PROFILE
 NEW PROSPECT CT. & FOREST MEADOW CT.

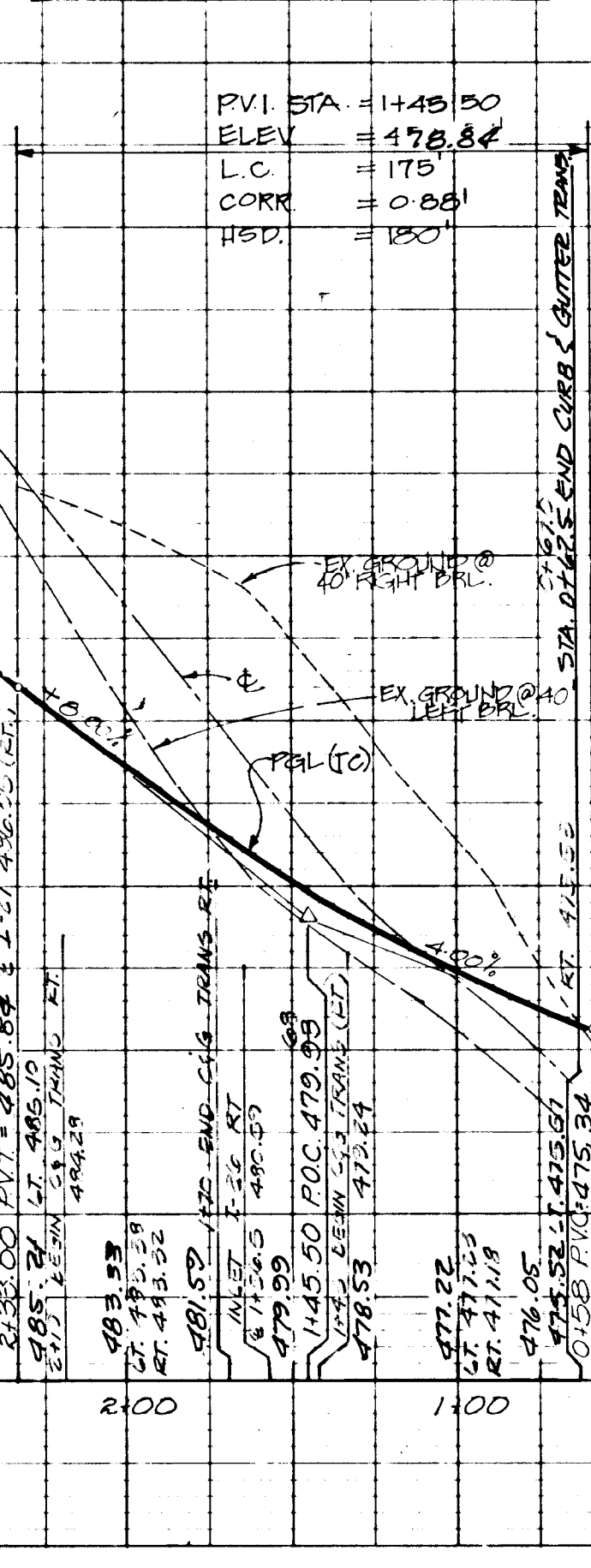
OWNER / DEVELOPER
 NV LAND, INC.
 6820 ELM STREET
 MC LEAN, VIRGINIA 22101
 (703) 734-9730

SCALE: AS SHOWN DATE: APRIL, 1988 SHEET 6 OF 13
 DESIGNED BY: R.A.G. DRAWN BY: D.A.T. CHECKED BY: J.F.N.
 DEWBERRY & DAVIS
 ENGINEERS ARCHITECTS PLANNERS SURVEYORS
 3300 NORTH RIDGE ROAD
 ELLICOTT CITY, MARYLAND 20433
 (301) 461-7478

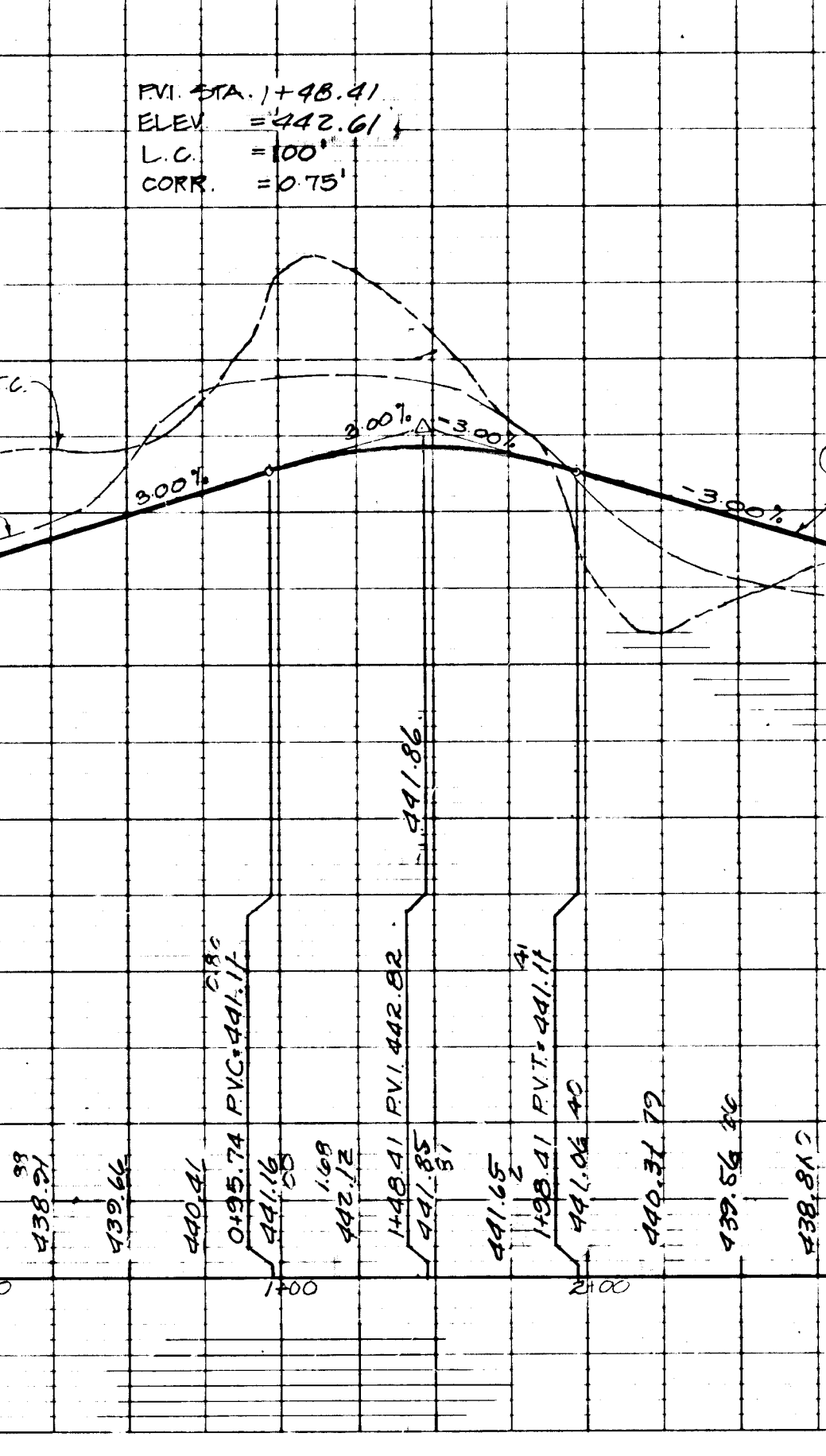
NEW PROSPECT COURT LINEAR PROFILE



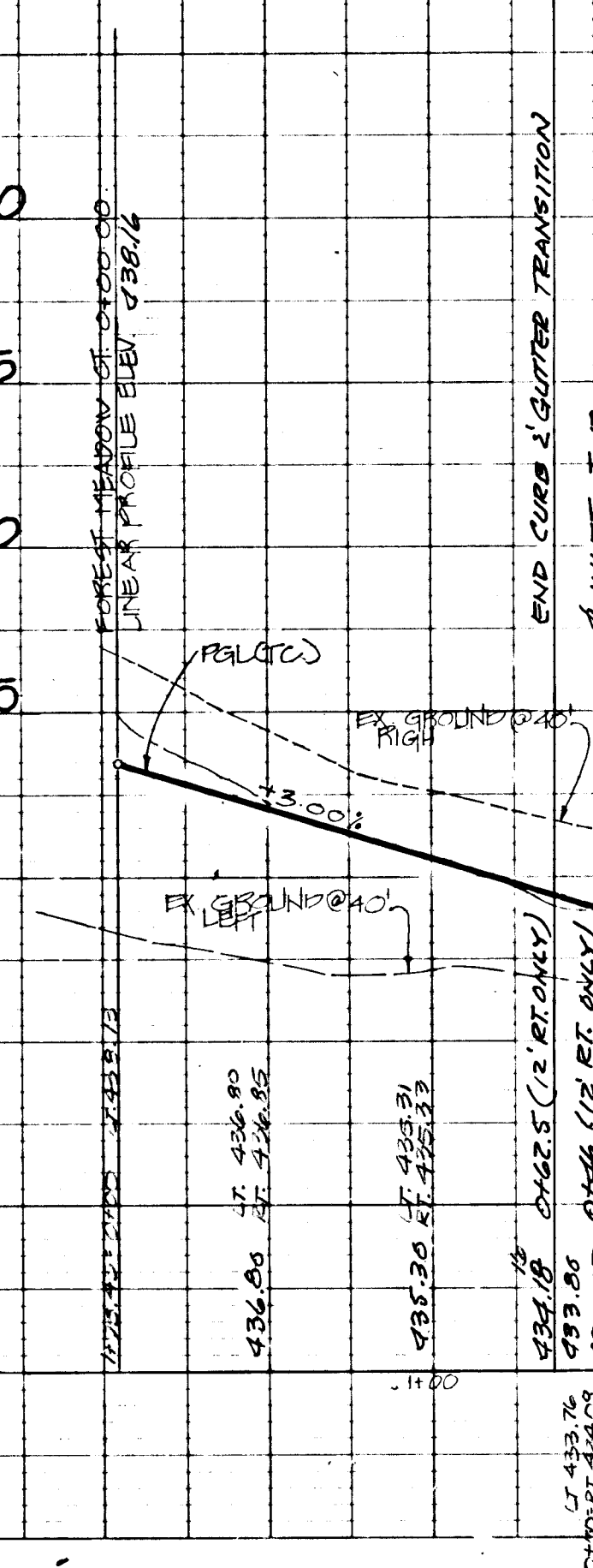
NEW PROSPECT COURT



FOREST MEADOW COURT LINEAR PROFILE



FOREST MEADOW COURT

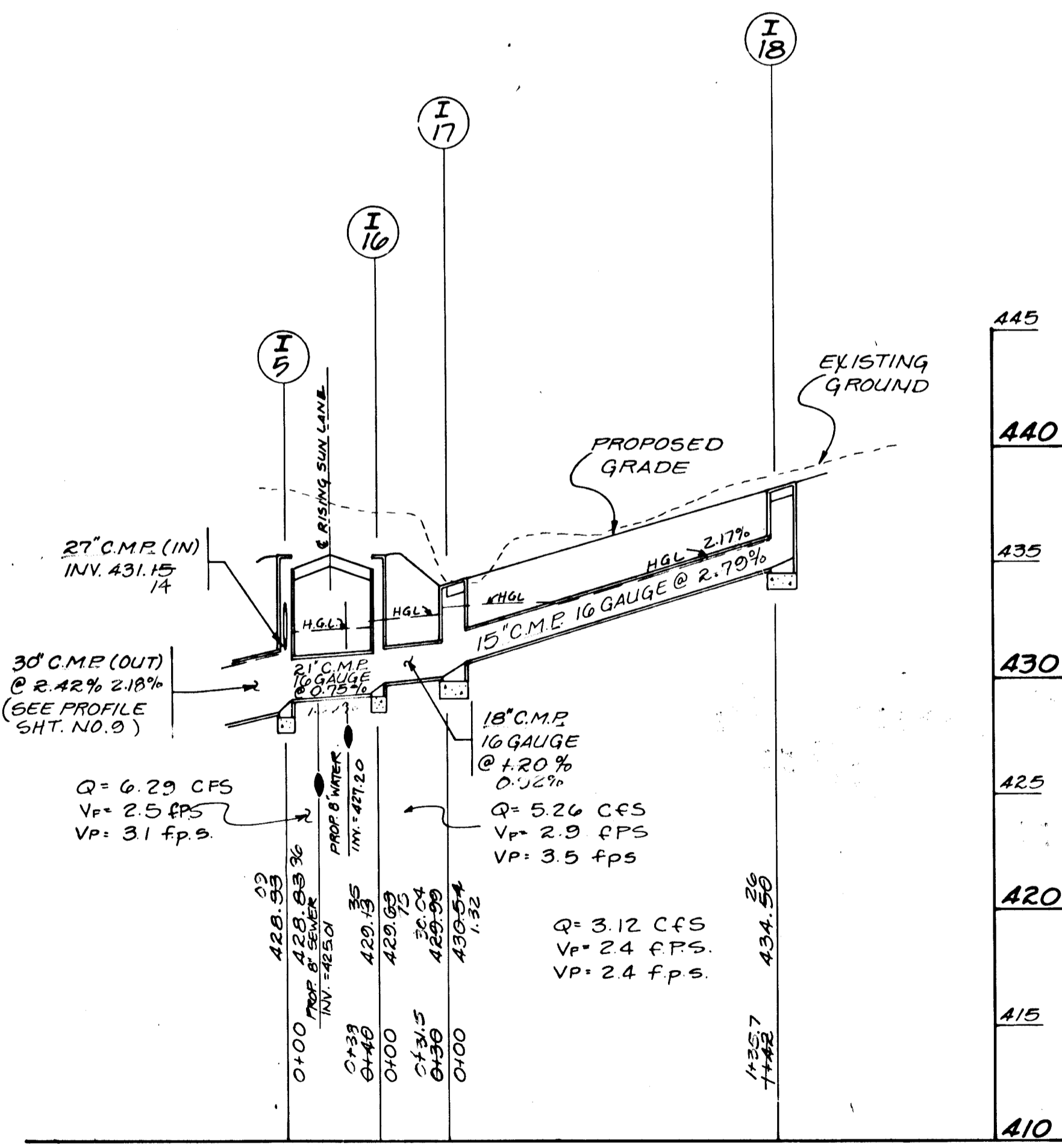
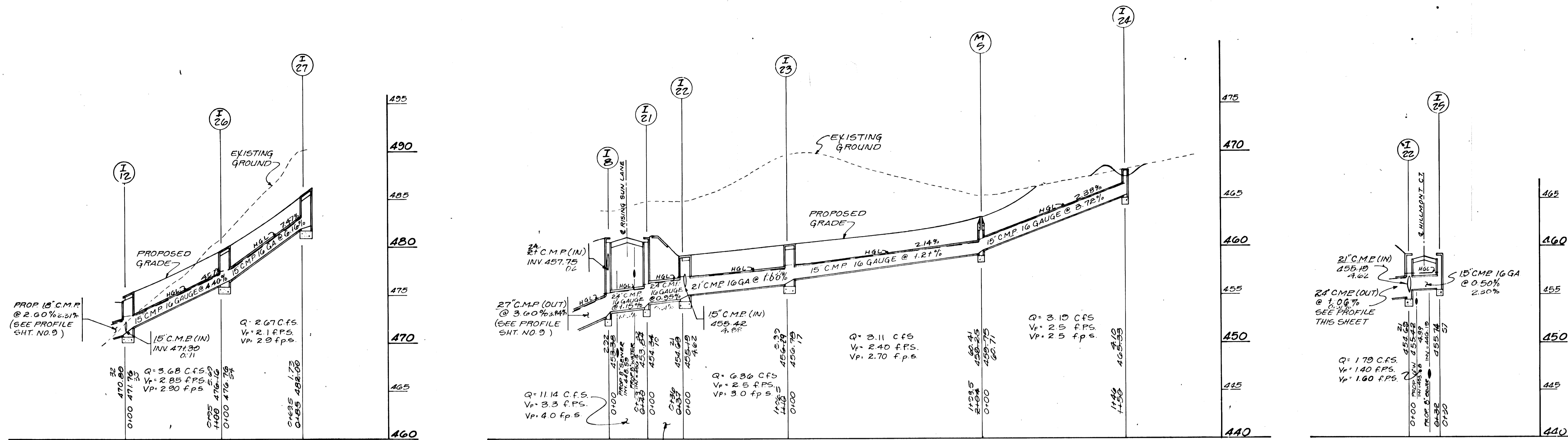


AS-BUILT

NOTE: GUTSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY

PROFILE SCALE
 HORIZ. 1" = 50'
 VERT. 1" = 5'

1443



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

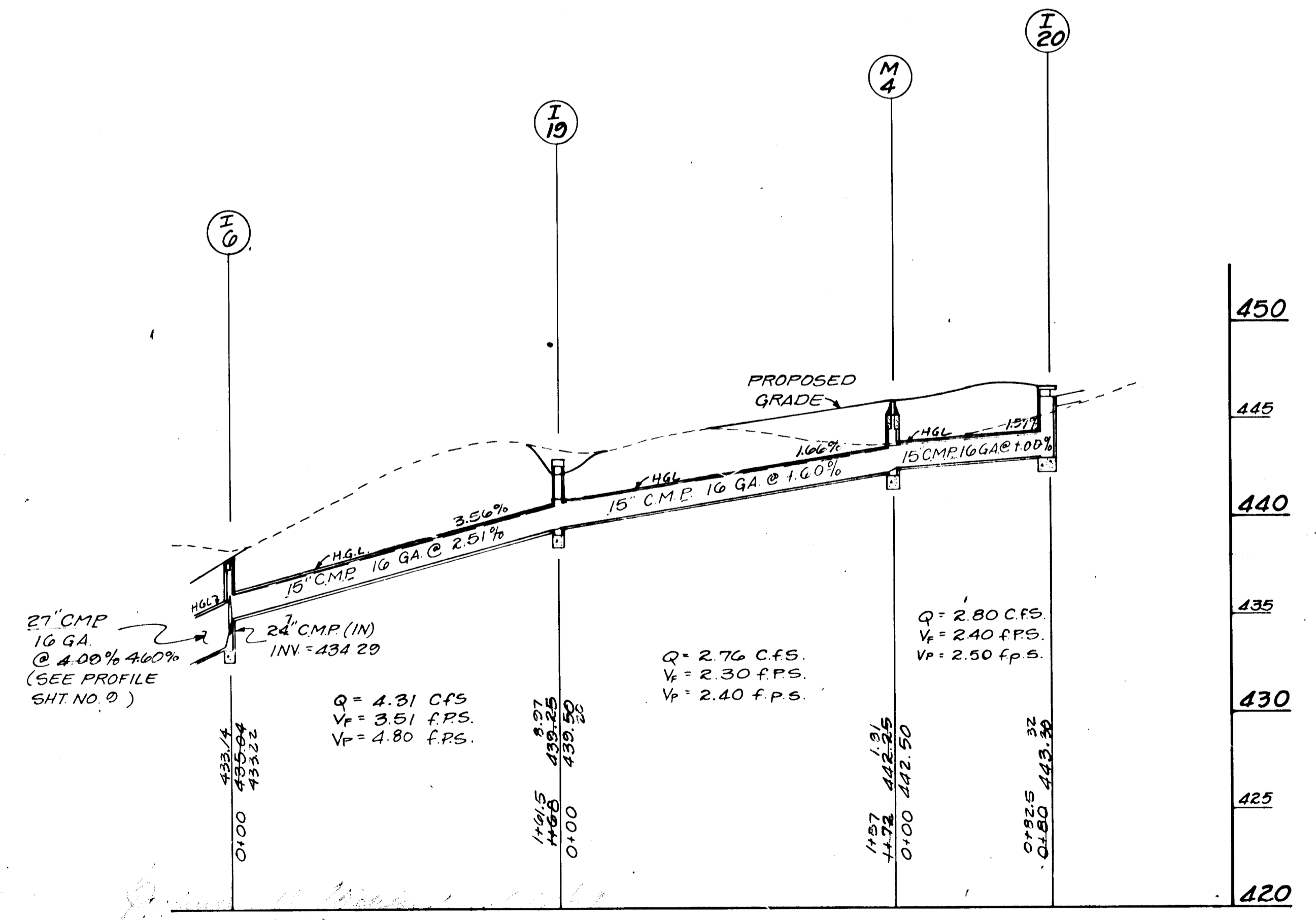
Paul W. Jopson 6/7/89
CHIEF, LAND DEVELOPMENT DIVISION DATE

James W. Welland 6/7/89
CHIEF, BUREAU OF HIGHWAY DATE

Richard B. Ray 6/8/89
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Frank S. J. Long 6/20/89
CHIEF, DIVISION OF COMMUNITY AND LAND DEVELOPMENT DATE



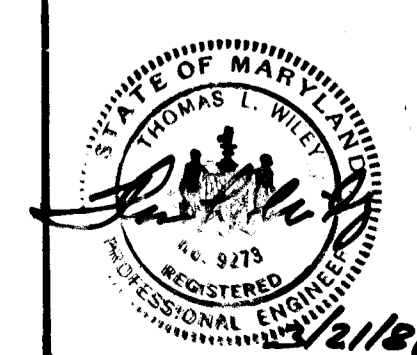
NOTE: GUTSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY.

NOTE: ALL DISTANCES ARE REFERENCED FROM CENTER OF STRUCTURE.

1443

DESIGNED		DATE		REVISIONS	
DATE	BY	DATE	BY	DESCRIPTION	

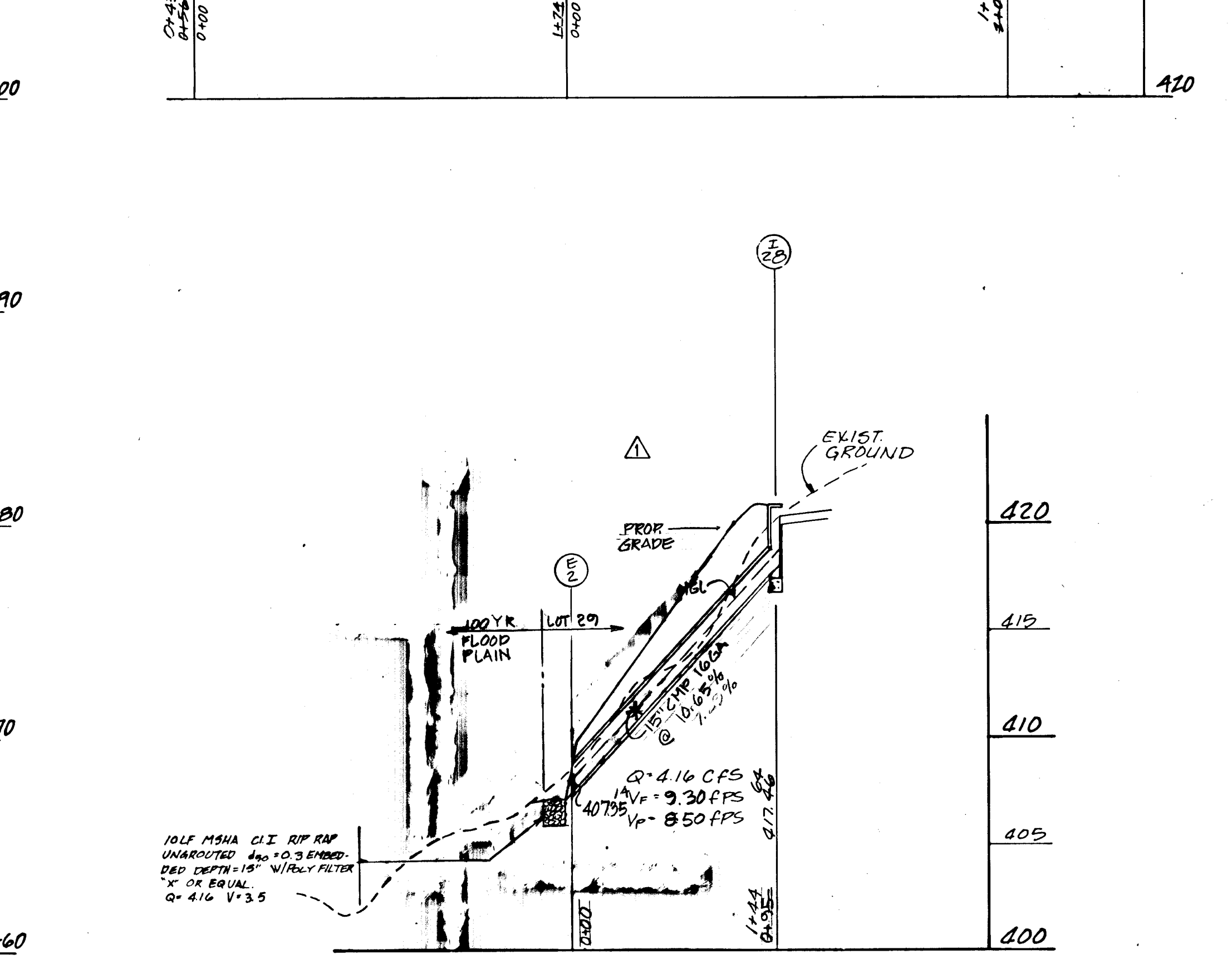
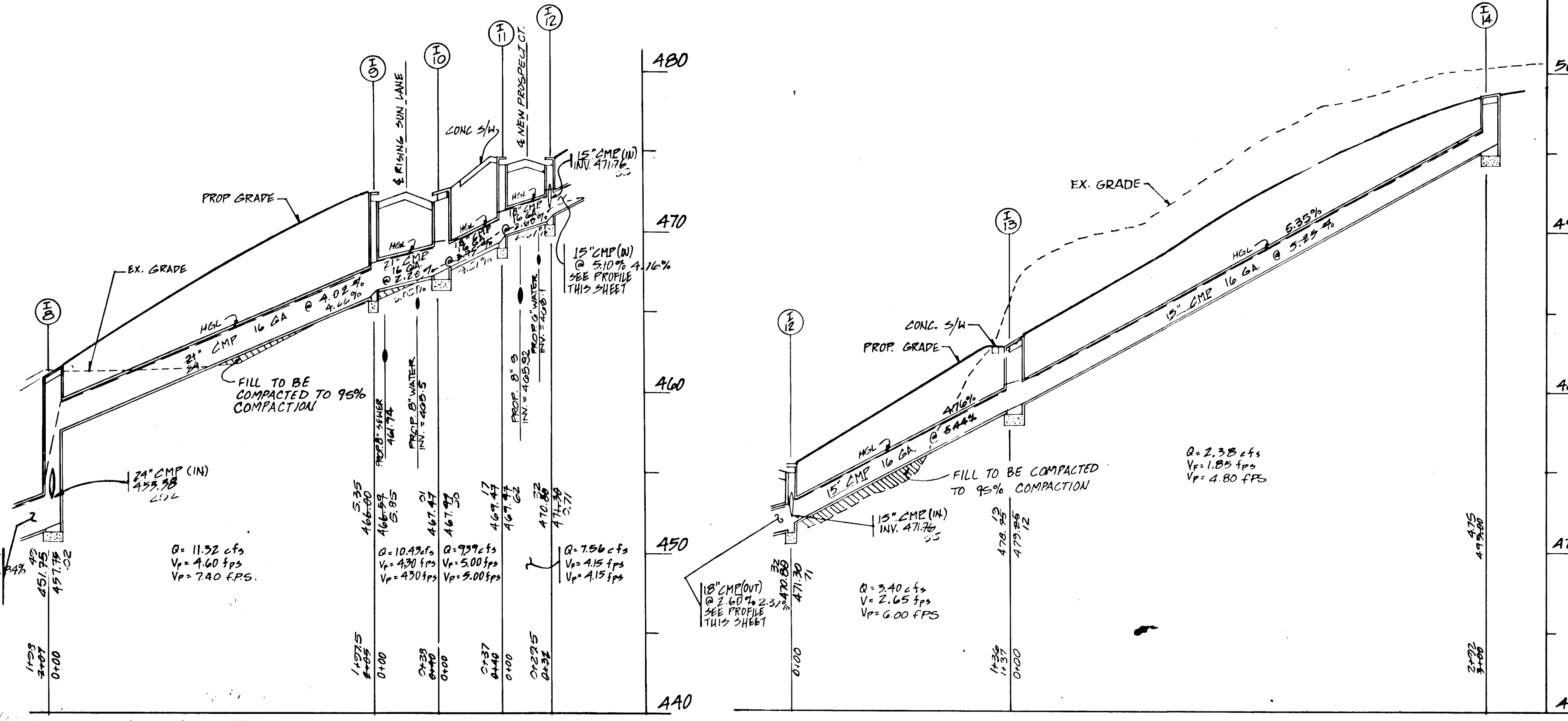
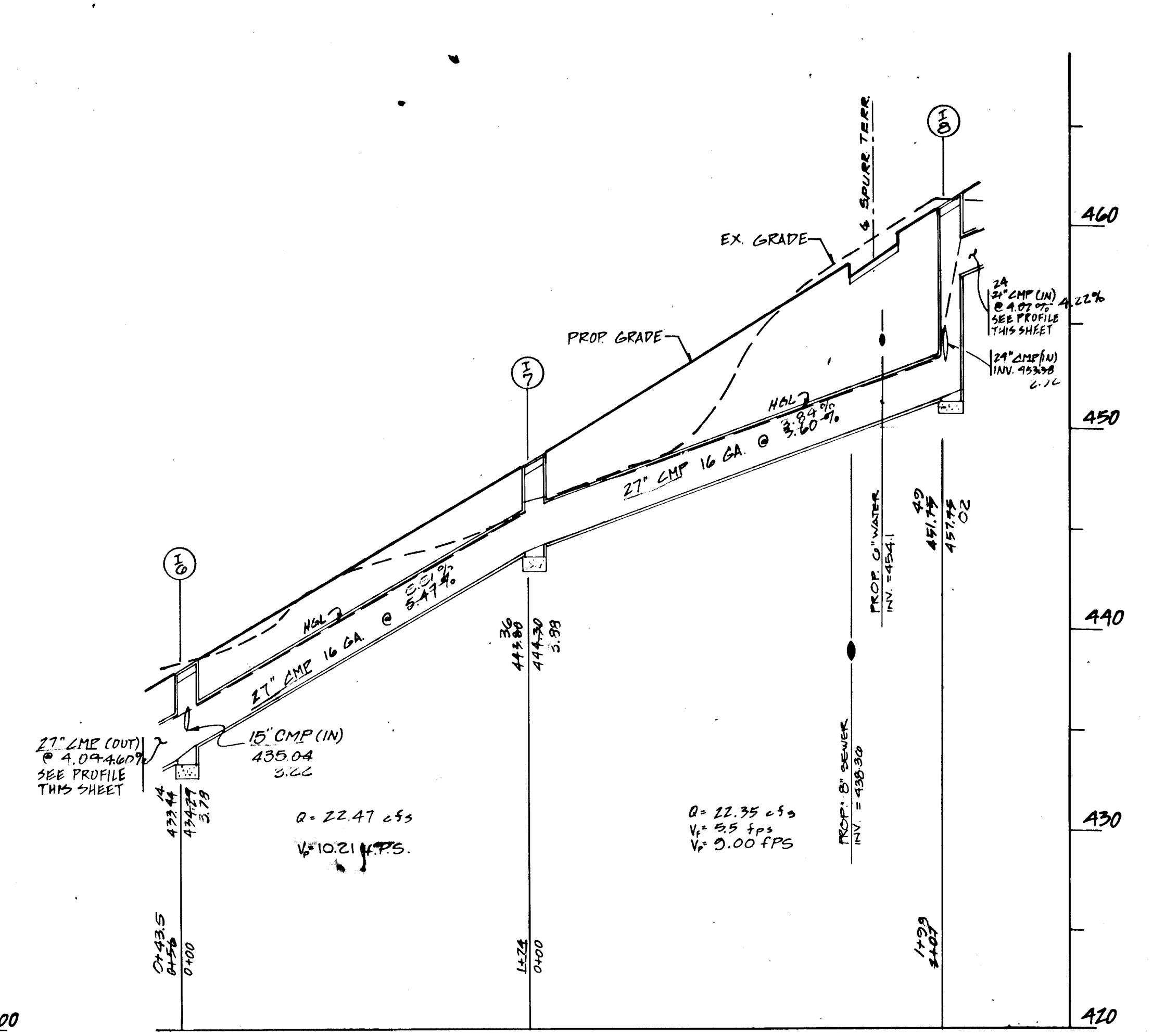
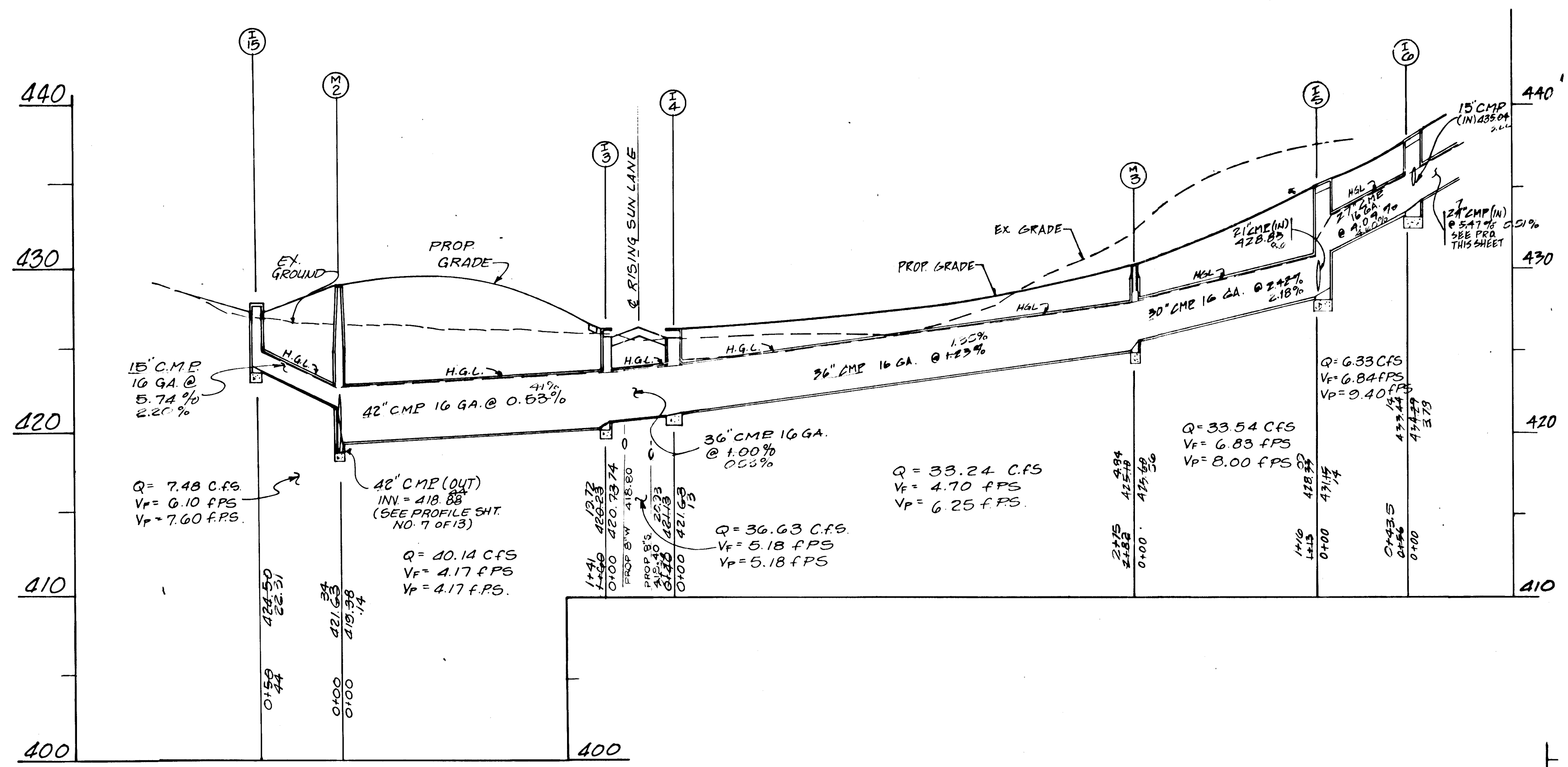
Dewberry & Davis
ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
2594 Riva Road, Annapolis, Maryland 21401
8411 Arlington Boulevard, Fairfax, Virginia 22030
18201 Montgomery Village Ave., Gaithersburg, Md. 20760



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

AS-BUILT STORM DRAIN PROFILES
MONTGOMERY MEADOWS
SECTION ONE AREA TWO
LOT 62 TO LOT 131
TAX MAP: PARCEL: BLOCKS
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' APRIL 28, 1988

SCALE: AS SHOWN CONTRACT NO. FILE NO. SHEET 2 OF 13



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

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
March S. DeCamp 6/25/89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

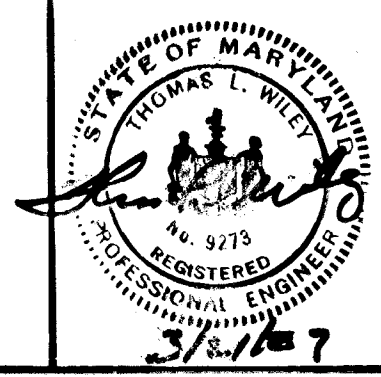
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul W. Jordan 6/7/89
 CHIEF, LAND DEVELOPMENT DIVISION
Francis W. Wickham 6/7/89
 CHIEF, BUREAU OF HIGHWAY
Robert S. Poley 6/8/89
 CHIEF, BUREAU OF ENGINEERING

NOTE: GUTSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY

DESIGNED		DATE		BY		DESCRIPTION	
RAG	1/20/88	1-20-88	CDH/RS	Inlet 13 Moved			
DRAWN		1-25-90	WAB	REMOVED CONCRETE 21\"/>			
CHECKED							
APPROVED							

Dewberry & Davis

ENGINEERS — ARCHITECTS — PLANNERS — SURVEYORS
 2594 Riva Road, Annapolis, Maryland 21401
 8411 Arlington Boulevard, Fairfax, Virginia 22030
 19201 Montgomery Village Ave., Gaithersburg, Md. 20878



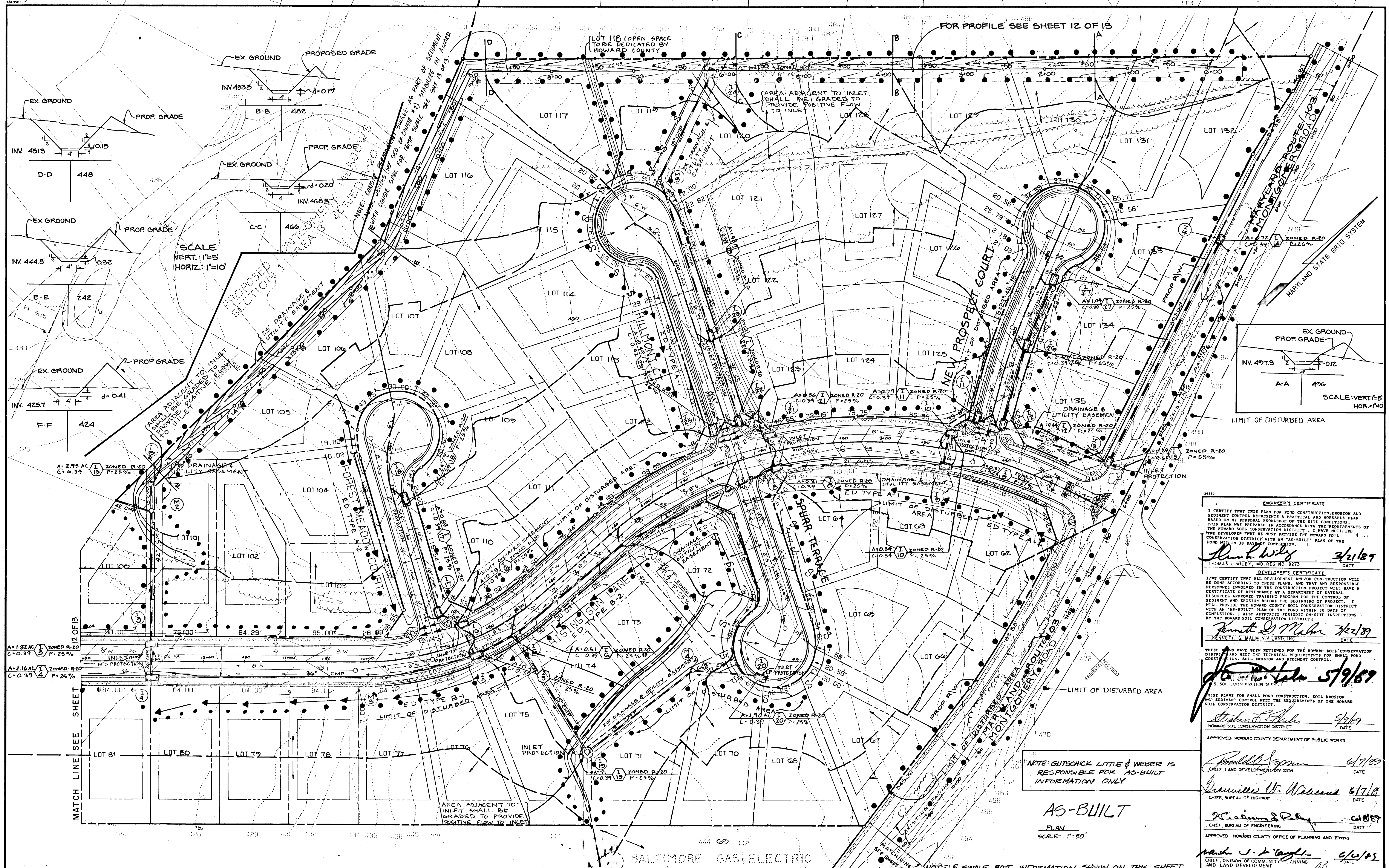
OWNER / DEVELOPER

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

AS-BUILT STORM DRAIN PROFILES

MONTGOMERY MEADOWS
 SECTION ONE AREA TWO
 LOT 62 TO LOT 137
 TAX MAP PARCEL BLOCKS
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE 1"=50' APRIL 28, 1988

1443



ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THIS POND WITHIN 30 DAYS OF COMPLETION.

Thomas L. Wiley 3/1/89
 THOMAS L. WILEY, MD. REG. NO. 9273 DATE

DEVELOPER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 THE BEGINNING OF PROJECT. I WILL PROVIDE THE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORITY PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Thomas L. Wiley 3/1/89
 THOMAS L. WILEY, MD. REG. NO. 9273 DATE

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

Stephen D. Shuler 3/1/89
 STEPHEN D. SHULER, MD. REG. NO. 9273 DATE

APPROVED - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Donald L. Soper 6/7/89
 DONALD L. SOPER, MD. REG. NO. 9273 DATE

William W. Wasson 6/7/89
 WILLIAM W. WASSON, MD. REG. NO. 9273 DATE

Robert S. Rabin 6/7/89
 ROBERT S. RABIN, MD. REG. NO. 9273 DATE

APPROVED - HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Mark S. J. Taylor 6/10/89
 MARK S. J. TAYLOR, MD. REG. NO. 9273 DATE

NOTE: GUTSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY

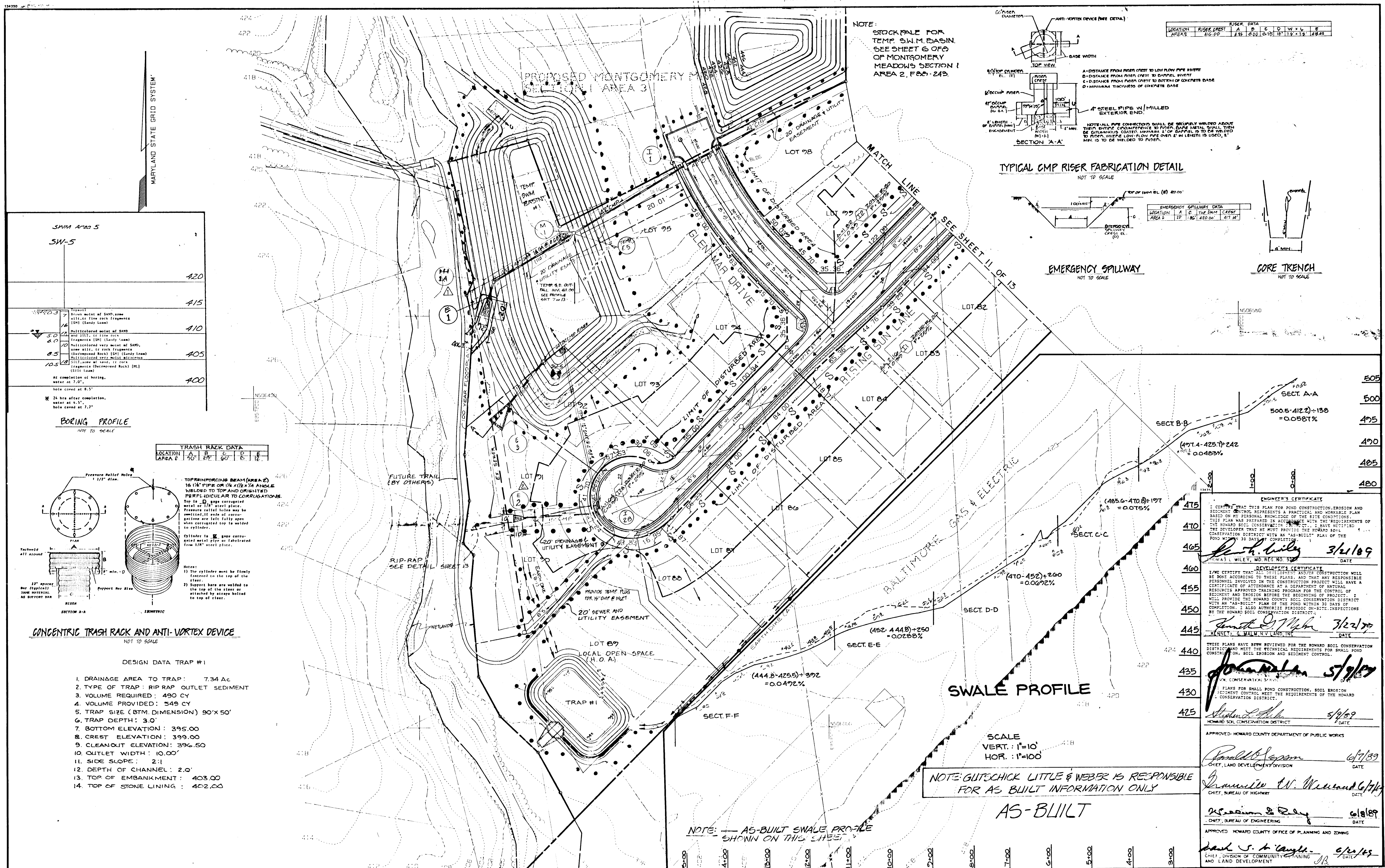
AS-BUILT
 PLAN
 SCALE: 1"=50'

DESIGNED		DATE		BY		DESCRIPTION	
JMC, RAG IV	4-24-88						
DRAWN		DATE		BY		DESCRIPTION	
MJM, K.K.	4-24-88						
CHECKED		DATE		BY		DESCRIPTION	
APPROVED		DATE		BY		DESCRIPTION	

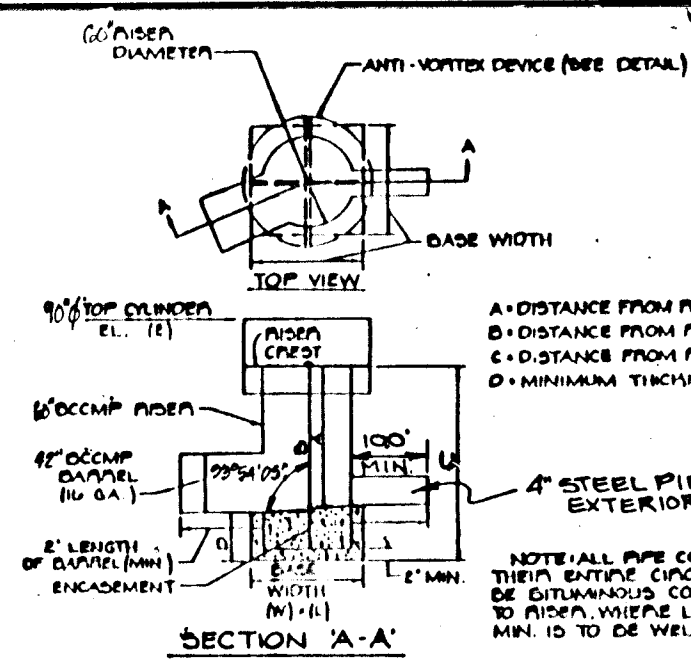
Dewberry & Davis
 ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS
 3300 N. RIDGE ROAD, SUITE 100
 ELLICOTT CITY, MD. 21043
 (301) 461-7478

OWNER / DEVELOPER
 NV LAND INC.
 6820 ELM STREET
 M^cLEAN, VA. 22101
 (703) 734-9730

DRAINAGE AREA, GRADING & SEDIMENT CONTROL PLAN
MONTGOMERY MEADOWS
 SECTION ONE AREA TWO
 LOT 62 TO LOT 137
 TAX MAP: 31 PARCEL: BLOCKS:
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=50' APRIL 28, 1988



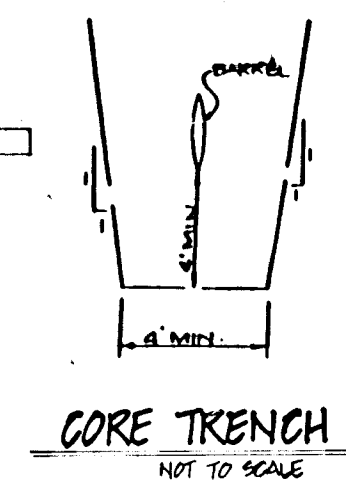
NOTE: STOCK PALE FOR TEMP SWM BASIN. SEE SHEET 6 OF 6 OF MONTGOMERY MEADOWS SECTION 1 AREA 2, F.S. 243.



TYPICAL CMP RISER FABRICATION DETAIL NOT TO SCALE



EMERGENCY SPILLWAY NOT TO SCALE



CORE TRENCH NOT TO SCALE

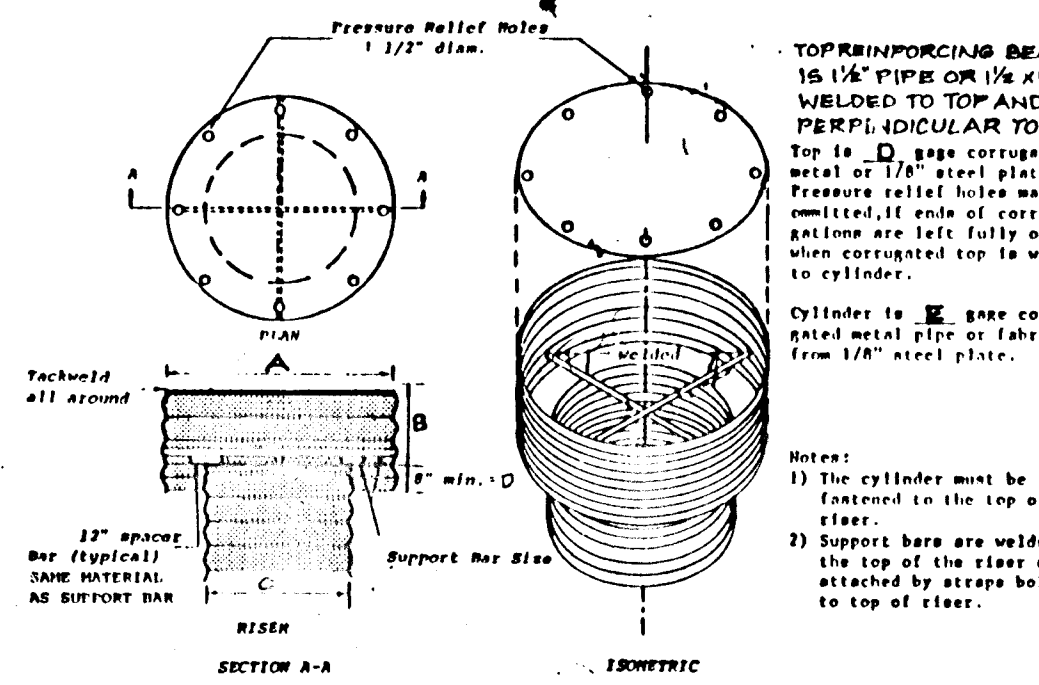
SW-5

420
415
410
405
400

BORING PROFILE NOT TO SCALE

TRASH RACK DATA

LOCATION	A	B	C	D	E
AREA 2	70'	85'	60'	5'	12'



CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE NOT TO SCALE

DESIGN DATA TRAP #1

1. DRAINAGE AREA TO TRAP: 7.34 ac
2. TYPE OF TRAP: RIP RAP OUTLET SEDIMENT
3. VOLUME REQUIRED: 490 CY
4. VOLUME PROVIDED: 549 CY
5. TRAP SIZE (BTM DIMENSION) 90' X 50'
6. TRAP DEPTH: 3.0'
7. BOTTOM ELEVATION: 395.00
8. CREST ELEVATION: 399.00
9. CLEANOUT ELEVATION: 396.50
10. OUTLET WIDTH: 10.00'
11. SIDE SLOPE: 2:1
12. DEPTH OF CHANNEL: 2.0'
13. TOP OF EMBANKMENT: 403.00
14. TOP OF STONE LINING: 402.00

SWALE PROFILE

SCALE
VERT. 1"=10'
HOR. 1"=100'

NOTE: GLITSCHICK LITTLE & WEBBER IS RESPONSIBLE FOR AS BUILT INFORMATION ONLY

AS-BUILT

NOTE: AS-BUILT SWALE PROFILE SHOWN ON THIS SHEET

RISER DATA	
LOCATION	RISER CREST
AREA 2	412.00
A	412.00
B	412.00
C	412.00
D	412.00
E	412.00

EMERGENCY SPILLWAY DATA					
LOCATION	A	B	C	D	E
AREA 2	70'	85'	60'	5'	12'

505
500
495
490
485
480

ENGINEER'S CERTIFICATE

I, **Robert Wiley**, 3/2/89

DATE

DEVELOPER'S CERTIFICATE

I, **Robert Wiley**, 3/2/89

DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Donald S. Johnson, 6/7/89

CHIEF, LAND DEVELOPMENT DIVISION

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

William W. Williams, 6/7/89

CHIEF, BUREAU OF HIGHWAY

William W. Williams, 6/7/89

CHIEF, BUREAU OF ENGINEERING

David S. Taylor, 6/7/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

DESIGNED: J.M.C., RAG iv 4/26/88

DATE: 4/26/88

DRAWN: M.J.H., K.K. 4/26/88

DATE: 4/26/88

CHECKED: 9/27/90

DATE: 9/27/90

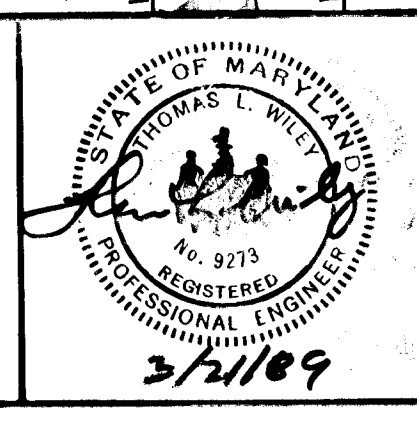
APPROVED:

DATE:

REVISIONS

DATE	BY	DESCRIPTION
1-25-90	WAJ	AS PER MD STATE DEPARTMENT OF ENVIRONMENT M4 1A WAS PROVIDED @ 5' MINIMUM LENGTH OF PIPE TO BE FROM STRUCTURE E-28 TO E-C AS PER HOWARD COUNTY COMMENTS
9-27-90	WED	Revised Grading around E1

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



OWNER / DEVELOPER

NV LAND INC.
6820 ELM STREET
MCLEAN, VA 22101
(703) 734-9730

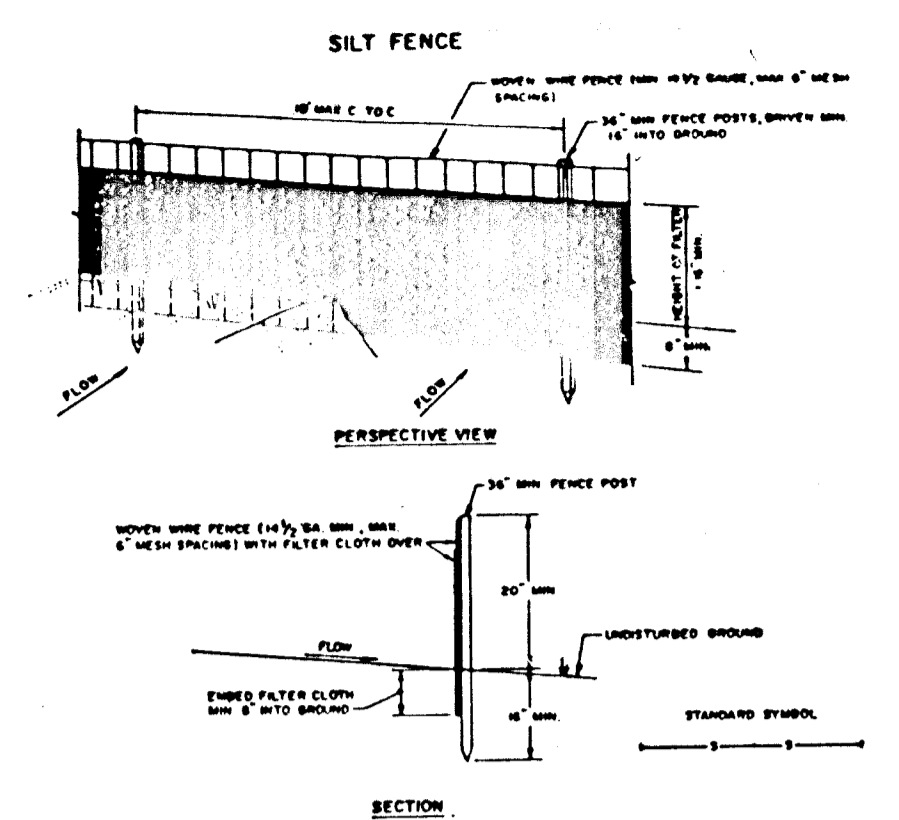
DRAINAGE AREA, GRADING & SEDIMENT CONTROL PLAN

MONTGOMERY MEADOWS
SECTION ONE AREA TWO
LOT 62 TO LOT 137

TAX MAP: PARCEL BLOCKS
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' APRIL 28, 1988

SCALE AS SHOWN CONTRACT NO. FILE NO. SHEET 12 OF 13

1443



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. MONY WIRE FENCE TO BE FASTENED REGULARLY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED REGULARLY TO MONY WIRE FENCE WITH WIRE TIES OR STAPLES EVERY 24" AT TOP AND MID SECTION.
3. WHEN THE SECTIONS OF FILTER CLOTH ALIGN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BANKS" DEVELOP IN THE SILT FENCE.

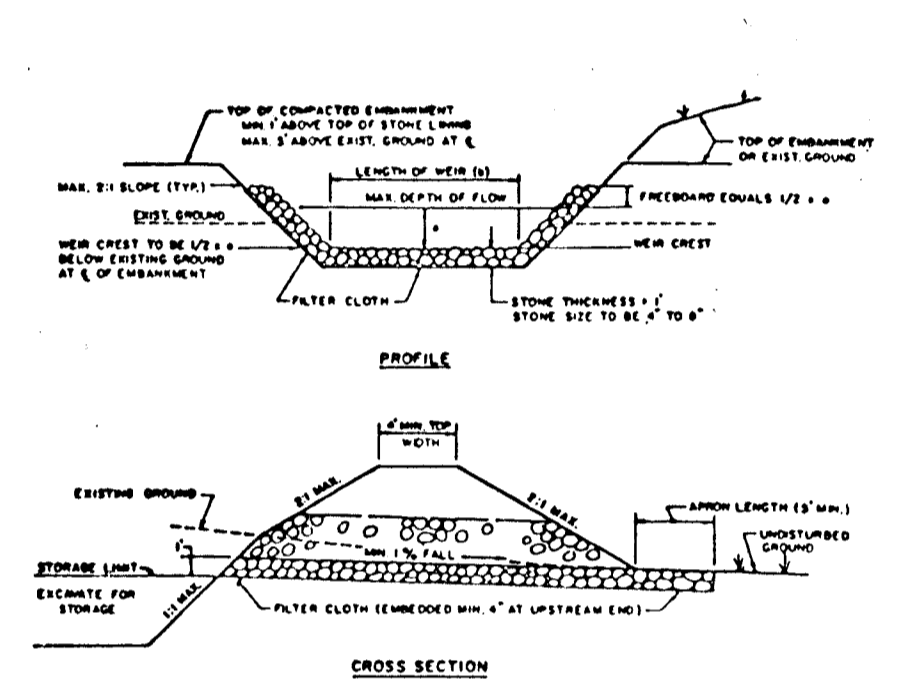
POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD

FENCE: MONY WIRE, 1/4" GAL. 6" PAW, NEW DRINKING

FILTER CLOTH: FILTER X, PERM. 100, STABILIZATION OR APPROVED EQUAL

PREFABRICATED UNIT: GEOTEX, INTERLOCK, OR APPROVED EQUAL

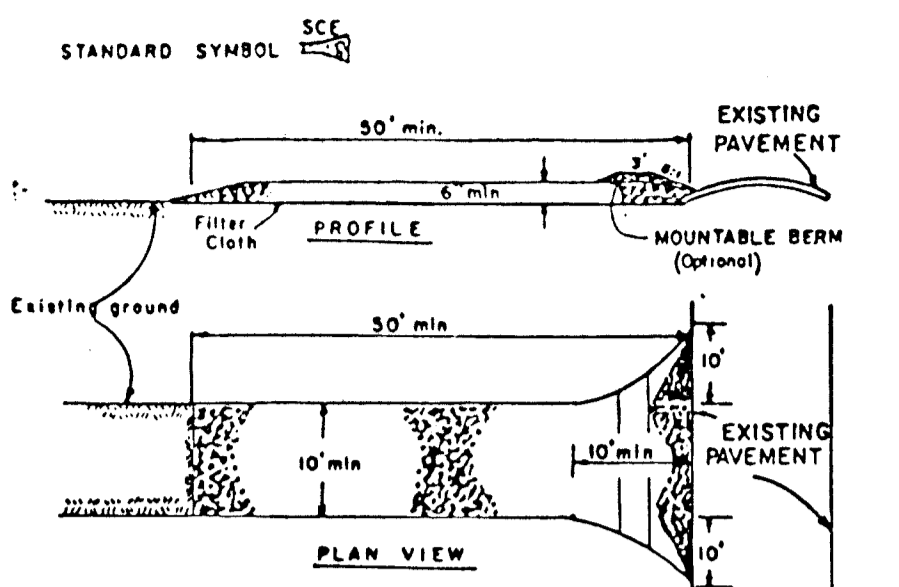
SILT FENCE
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS FOR ST-V

1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.

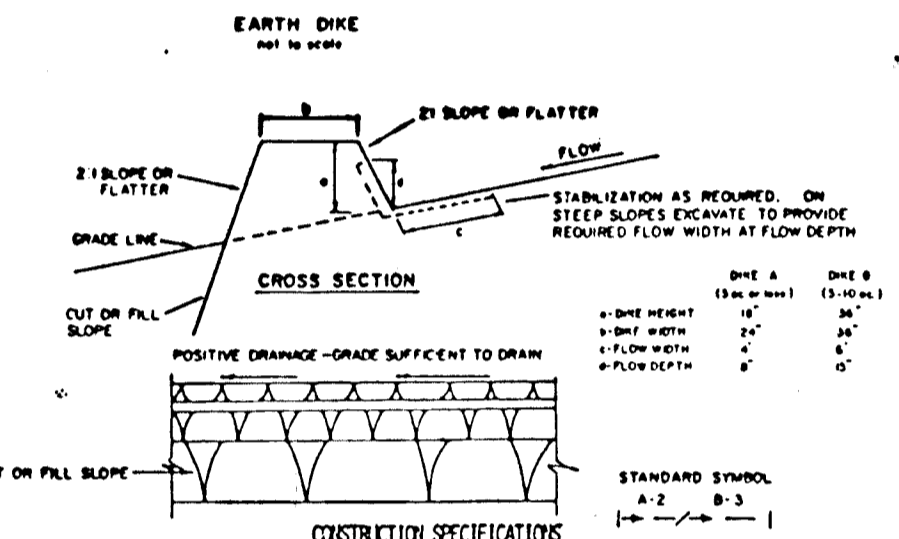
RIP-RAP OUTLET SEDIMENT TRAP
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 3" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single road-ence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction operations shall flow across the entrance. If piping is impractical, a mountable berm with 3:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Meaning - Weeds shall be cleaned or removed prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

TEMPORARY SWALE
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

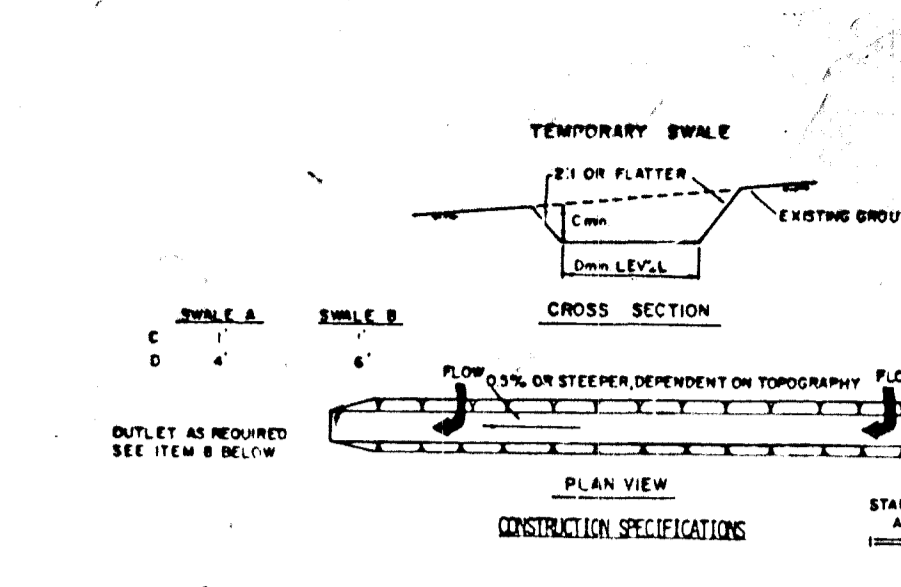
1. All dikes shall be compacted by earthmoving equipment.
2. Dikes shall have a minimum width of 2 feet and a maximum height of 2 feet.
3. Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction equipment.
4. Field location should be adapted as needed to a stabilized safe outlet.
5. Earth dikes shall have an outlet function. Dikes shall be constructed to a sediment trapping device such as a sediment trap or sediment basin where the dike channel, or the drainage area above the dike and not adequately stabilized.
6. Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per the chart below.

TYPE OF TREATMENT	CHANNEL	DIKE A	DIKE B
1	5-3.0:01	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3-1.5:01	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELUTION
3	5-1.8:01	SEED WITH JUTE OR SOO: 2" STONE	LINED RIP-RAP 4-8"
4	8-1:01	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

SEEDING NOTES:

1. APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
2. SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF ANY PREVIOUSLY COMPACTED.
3. SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE:

EARTH DIKE
NOT TO SCALE

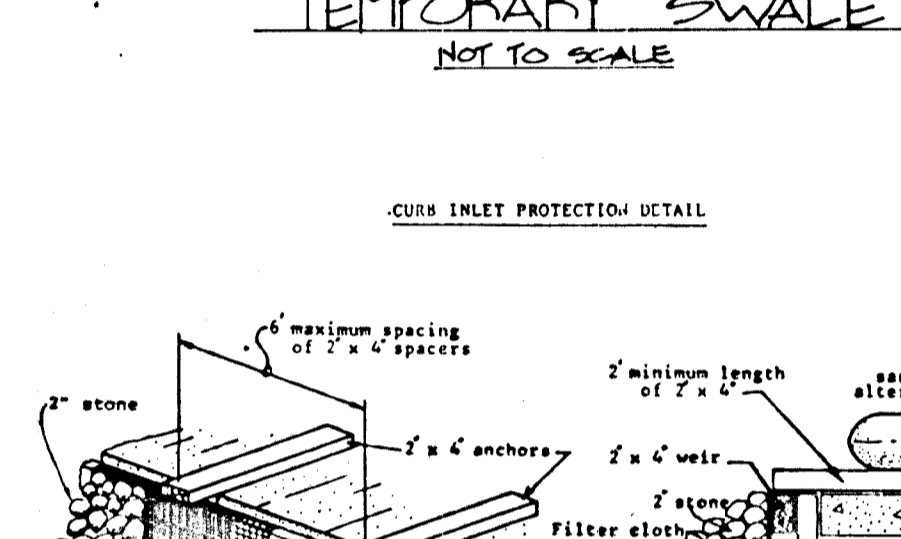


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4	8-1:01	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

TEMPORARY SWALE
NOT TO SCALE

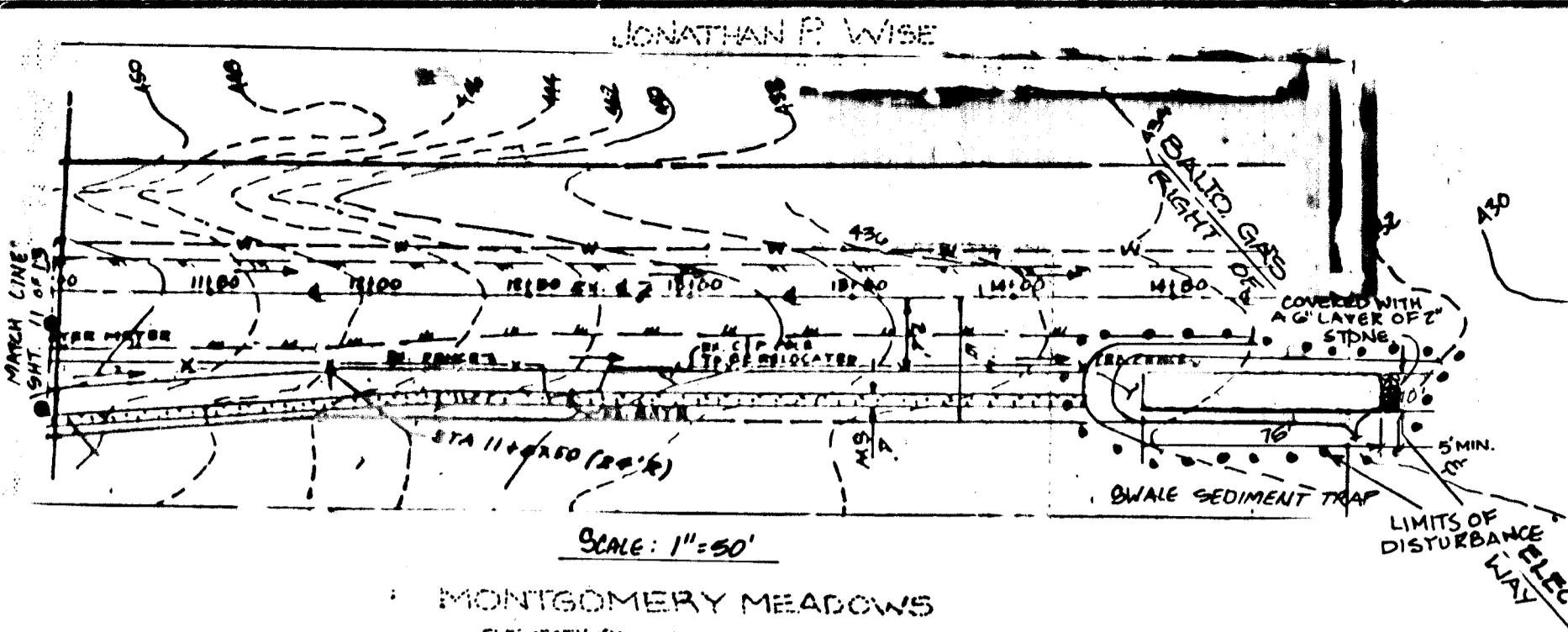


CONSTRUCTION SPECIFICATIONS

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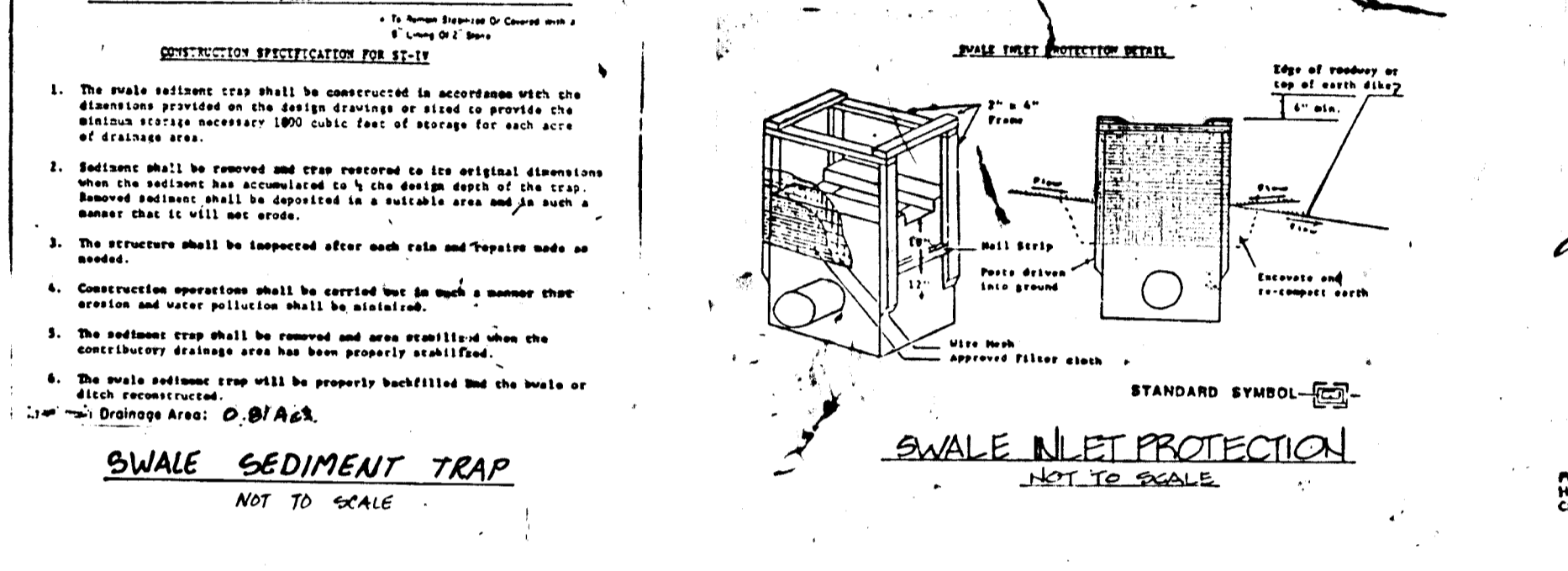
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4	8-1:01	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

CURB INLET PROTECTION
NOT TO SCALE



SWALE SEDIMENT TRAP

DRAINAGE AREA = 0.81 AC
VOLUME REQUIRED = 86 CY
VOLUME PROVIDED = 86 CY
TRAP SIZE = 75' x 10'
TRAP DEPTH = 2.0'
BOTTOM ELEV. = 43000
CREST ELEV. = 432.50
CLEANOUT ELEV. = 431.50



CONSTRUCTION SPECIFICATIONS FOR SWALE SEDIMENT TRAP

1. The swale sediment trap shall be constructed in accordance with the dimensions provided on the design drawings or stated to provide the minimum storage capacity of 100 cubic feet of storage for each acre of drainage area.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
3. The structure shall be inspected after each rain and repaired as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
5. The sediment trap shall be removed and area stabilized when the catchment drainage area has been properly stabilized.
6. The swale sediment trap will be properly stabilized and the traps or ditch construction.

SWALE SEDIMENT TRAP
NOT TO SCALE

OWNER'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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POOL WITHIN 30 DAYS OF COMPLETION.

Jonathan P. Wise 3/21/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 SEDIMENTATION DURING THE RECORDING OF PROJECT. I WILL PROVIDE THE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POOL WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

Jonathan P. Wise 3/22/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

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

Jonathan P. Wise 3/22/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

APPROVED, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Jonathan P. Wise 3/22/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

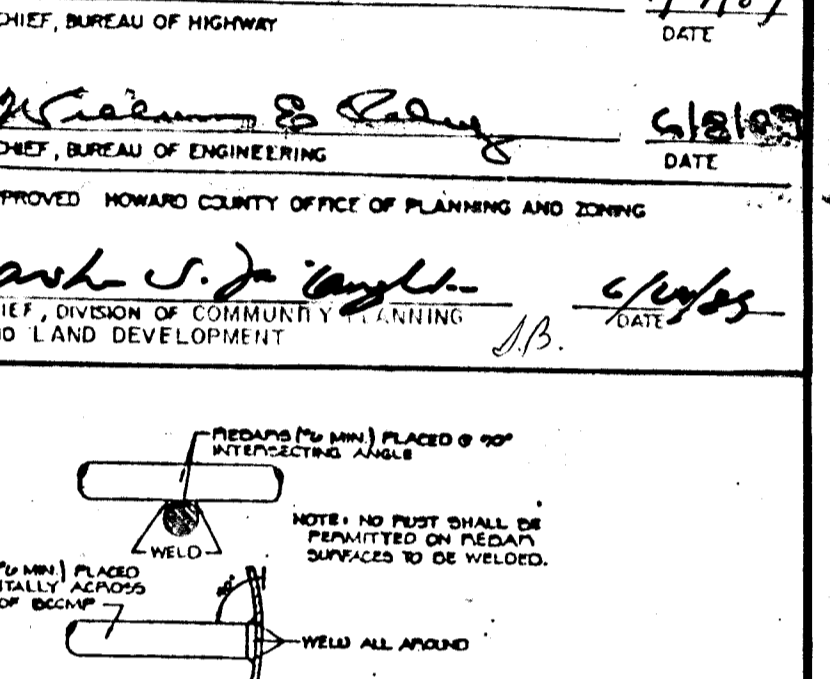
Jonathan P. Wise 3/22/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

APPROVED, HOWARD COUNTY OFFICE OF COMMUNITY PLANNING AND LAND DEVELOPMENT

Jonathan P. Wise 3/22/89
 THOMAS L. WILLY, MD. REG. NO. 9375 DATE

SWALE SEDIMENT TRAP

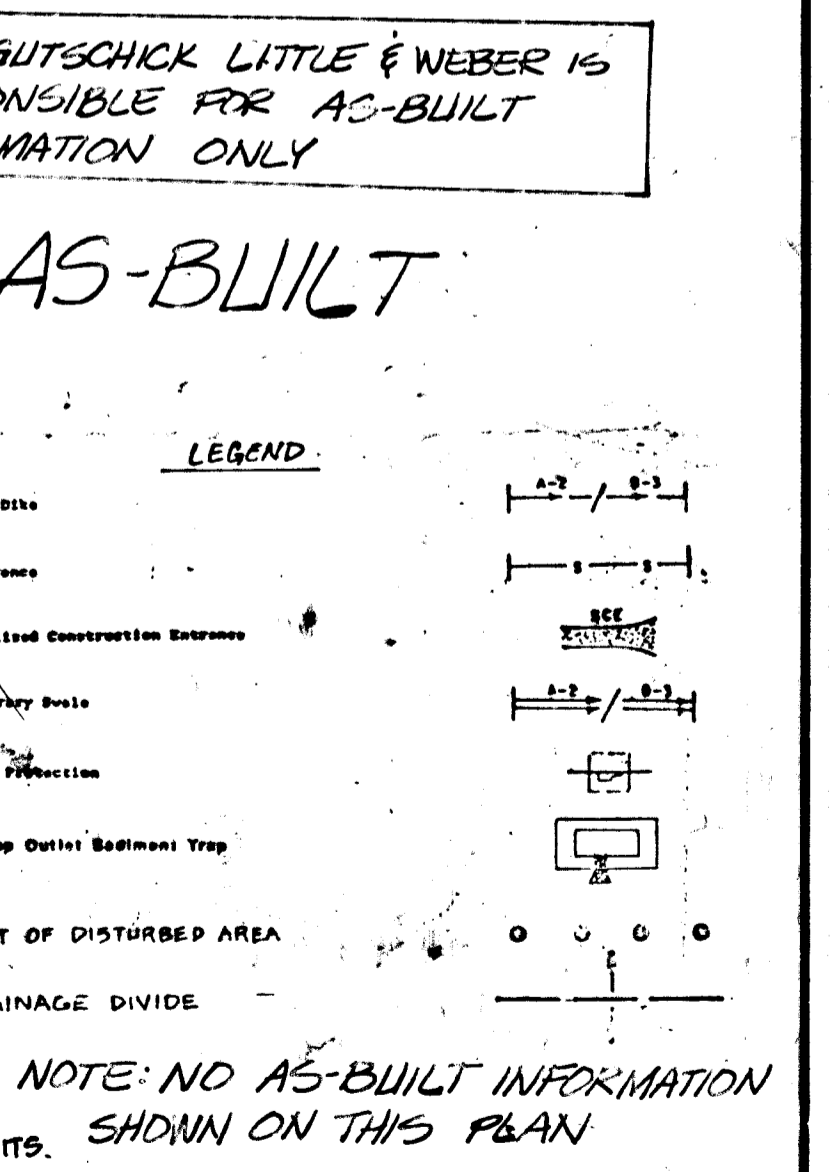
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TRAP SIZE = 75' x 10'
TRAP DEPTH = 2.0'
BOTTOM ELEV. = 43000
CREST ELEV. = 432.50
CLEANOUT ELEV. = 431.50



CONSTRUCTION SPECIFICATIONS FOR SWALE INLET PROTECTION

1. The swale inlet protection shall be constructed in accordance with the dimensions provided on the design drawings or stated to provide the minimum storage capacity of 100 cubic feet of storage for each acre of drainage area.
2. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
3. The structure shall be inspected after each rain and repaired as needed.
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6. The swale sediment trap will be properly stabilized and the traps or ditch construction.

SWALE INLET PROTECTION
NOT TO SCALE



TRASH RACK WELDING DETAIL
NOT TO SCALE

RIPRAP CHANNEL DETAIL
NOT TO SCALE

NOTE: GUTSCHICK LITTLE & WEBER IS RESPONSIBLE FOR AS-BUILT INFORMATION ONLY

AS-BUILT

LEGEND

- Earth Dike
- Silt Fence
- Stabilized Construction Entrance
- Temporary Swale
- Inlet Protection
- Rip-Rap Outlet Sediment Trap
- LIMIT OF DISTURBED AREA
- DRAINAGE DIVIDE

NOTE: NO AS-BUILT INFORMATION SHOWN ON THIS PLAN

DESIGNED	DATE	REVISIONS	
		DATE	DESCRIPTION
DATE	3-14-88	12/14/88	R1013 Widening
DRAWN	DATE		
CHECKED	DATE		
APPROVED	DATE		

Dewberry & Davis
 ENGINEERS - ARCHITECTS - PLANNERS - SURVEYORS

1443

OWNER / DEVELOPER

NV LAND INC.
 6820 ELM STREET
 MCLAIN, VA 22011
 (703)734-9730

3/21/89

MONTGOMERY MEADOWS
 SECTION ONE AREA TWO
 LOTS 62 THRU LOT 131
 2ND ELECTION DISTRICT HOWARD COUNTY, MD.
SEDIMENT CONTROL DETAILS & NOTES

SCALE: NO SCALE CONTRACT NO. FILE NO. SHEET 10 OF 19

F-88744