

BEACH MARKS

Pt J.B.M. "T-1" Elev. 434.86
White Point On Northwest Corner Of
G&E Pad 31' Left Of Centerline Road
Station 11+07 Hobson Choice Lane.

Pt J.B.M. "T-2" Elev. 383.78
E.R. Spike Set In 30 Inch Beach 88'
Left Of Center Line Road Station
17+50 Hobson Choice Lane.

Pt J.B.M. "T-3" Elev. 434.54
E.R. Spike Set In 30 Inch Paper
85' Right Of Centerline Road
Station 22+36 Hobson's Choice Lane.

Pt J.B.M. "T-5" Elev. 412.49
E.R. Spike In 8 Inch Pine 63'
Left Of Center Line Road
Station 44+95 Green Clover
Drive.

DEVELOPER'S CERTIFICATE

I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Wm. W. C. Lightner 5/6/75
Signature of Developer Date

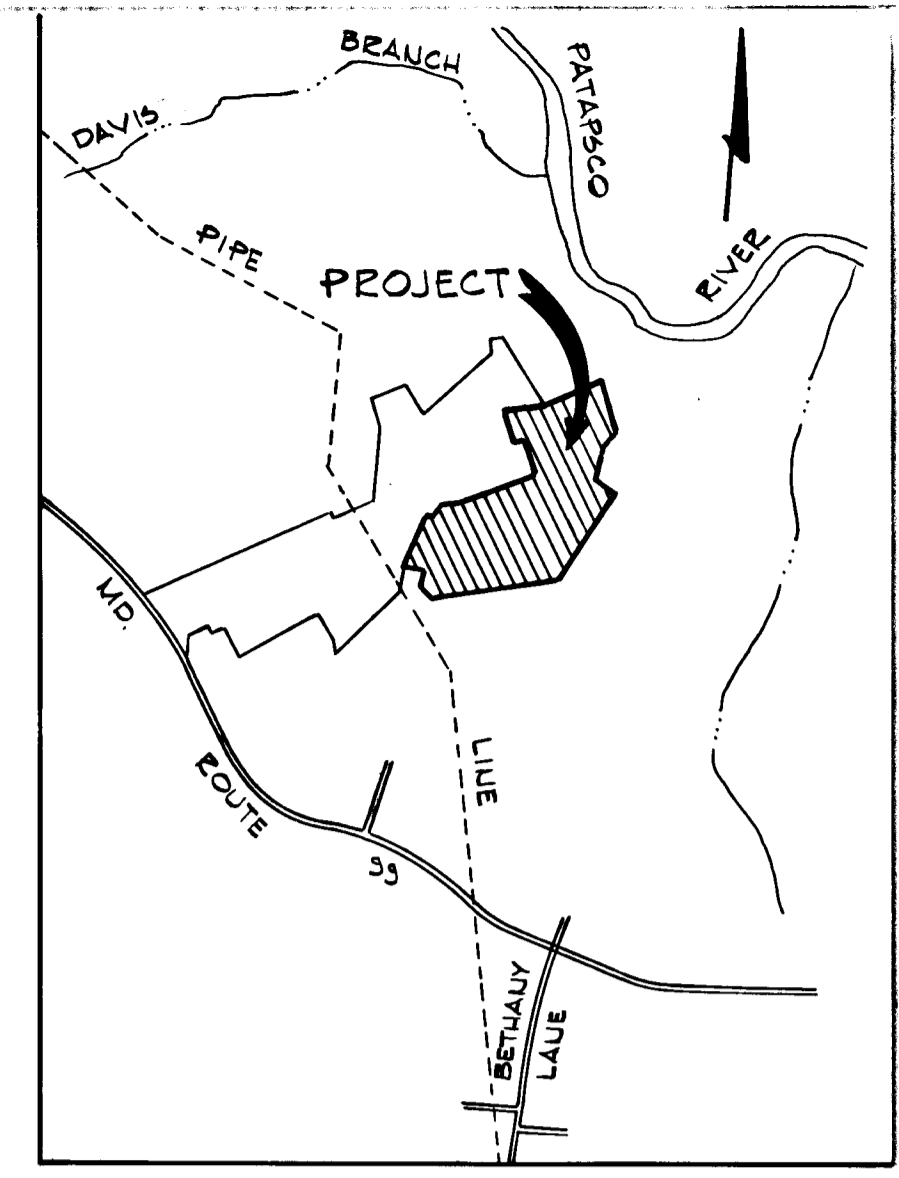
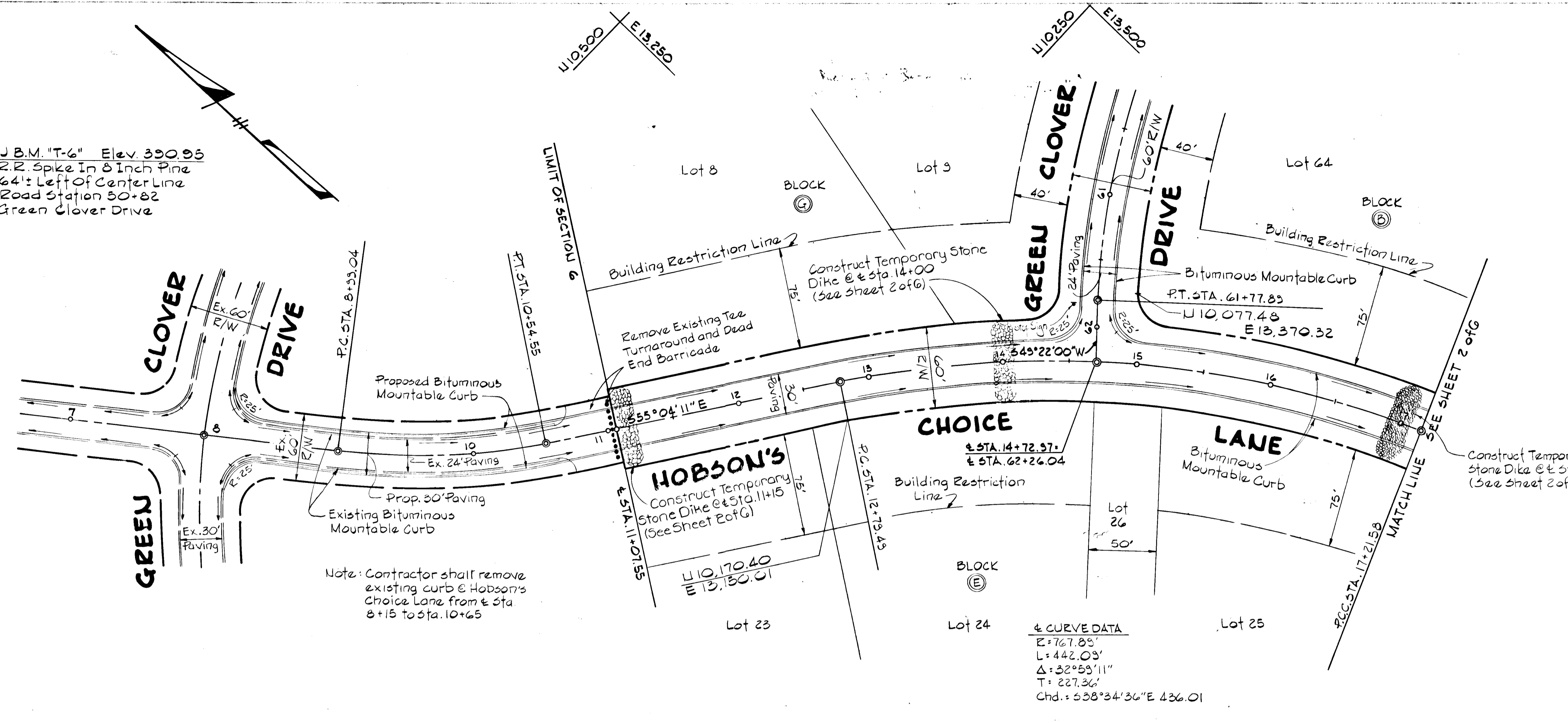
ENGINEER'S CERTIFICATE

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 Howard Soil Conservation District.

William G. Rasch 5/6/75
Signature of Engineer Date

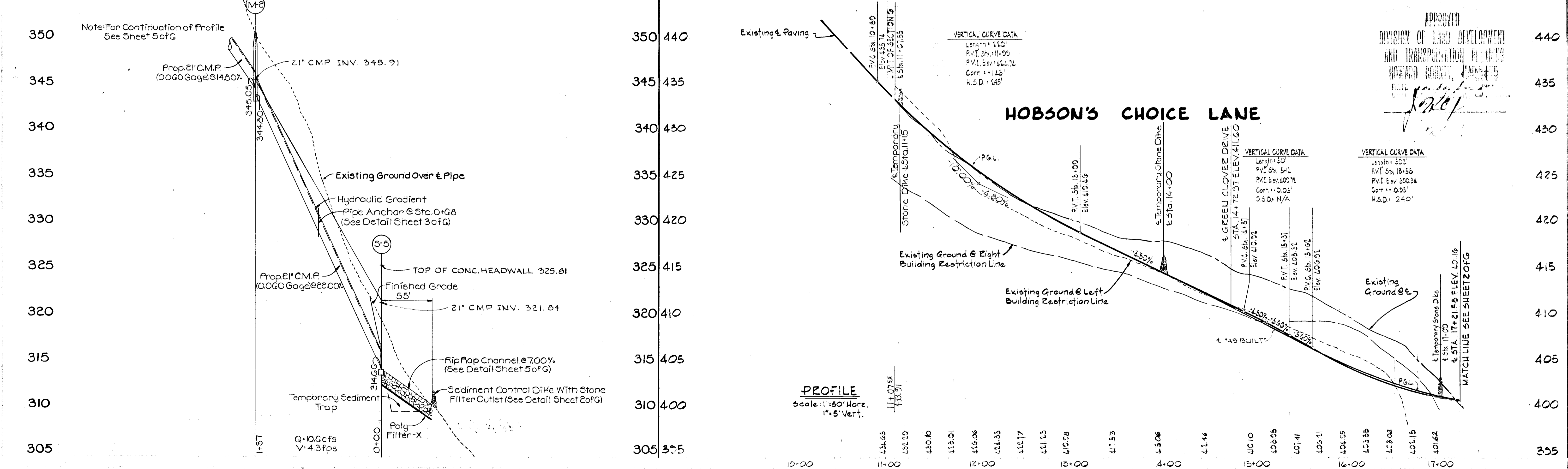
Reviewed for Howard County Soil Conservation District and meets Technical Requirements
C. V. Korman 10/14/75
U.S. Soil Conservation Service Date

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
Robert W. Johnson 10/14/75
APPROVED: District Coordinator Date
Howard Soil Conservation District



PLAN
Scale: 1"=50'

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
John J. ...



APPROVED: DEPARTMENT OF PUBLIC WORKS
D. B. ... 10/21/75
CHIEF, BUREAU OF HIGHWAYS

APPROVED: OFFICE OF PLANNING AND ZONING
W. H. ... 10/21/75
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

PLAN AND PROFILE: HOBSON'S CHOICE LANE

ALLENFORD

2nd ELECTION DISTRICT SECTION 6 HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN

OWNER AND DEVELOPER
THE CHAMBERLEA COMPANY
10094 MAPLEWOOD DRIVE
ELLCOTT CITY, MARYLAND 21143

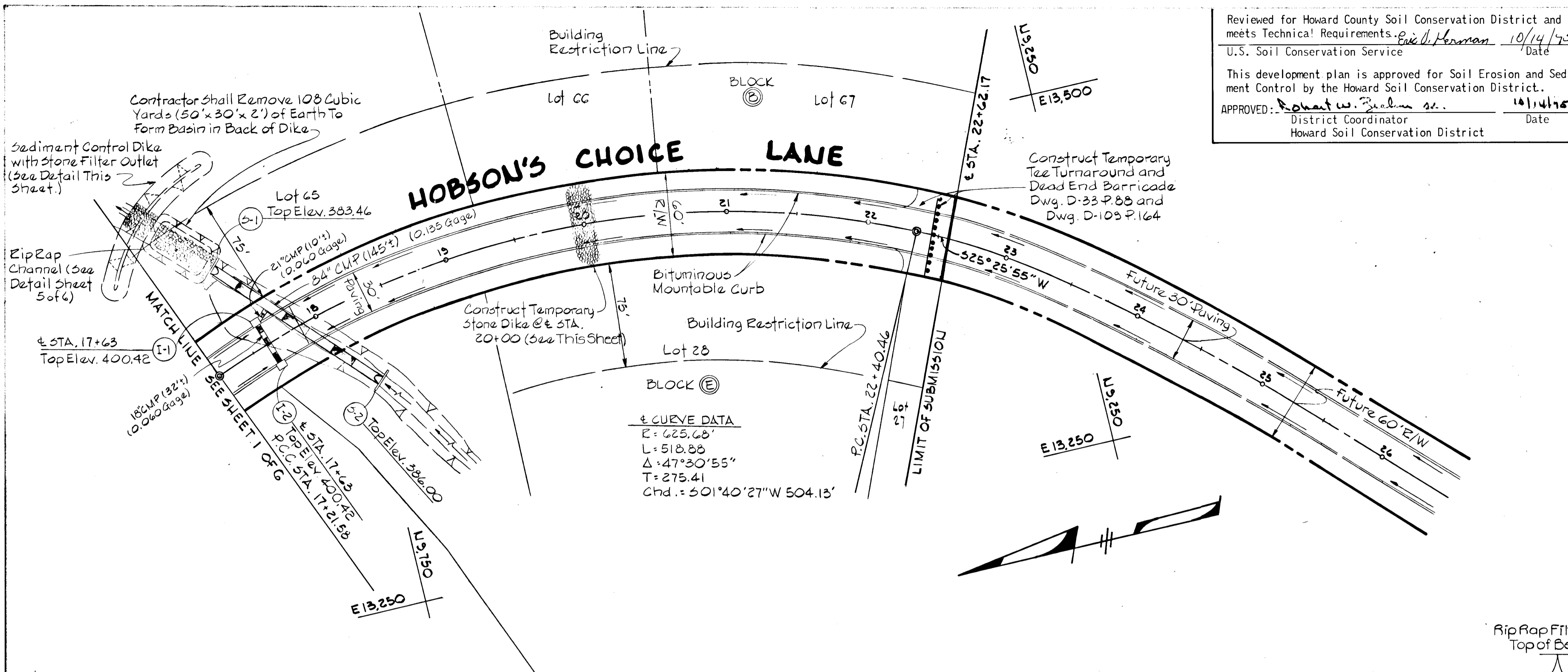
DESIGNED: C. J. CHOYO
DRAFTED: R. A. ZELINKA
CHECKED: R. B. ...

WILLIAM G. RASCH II REG. NO. 4575
DATE: 5/6/75

SHEET 1 OF 6

#6

10-16-76 75 83



PLAN
Scale: 1"=50'

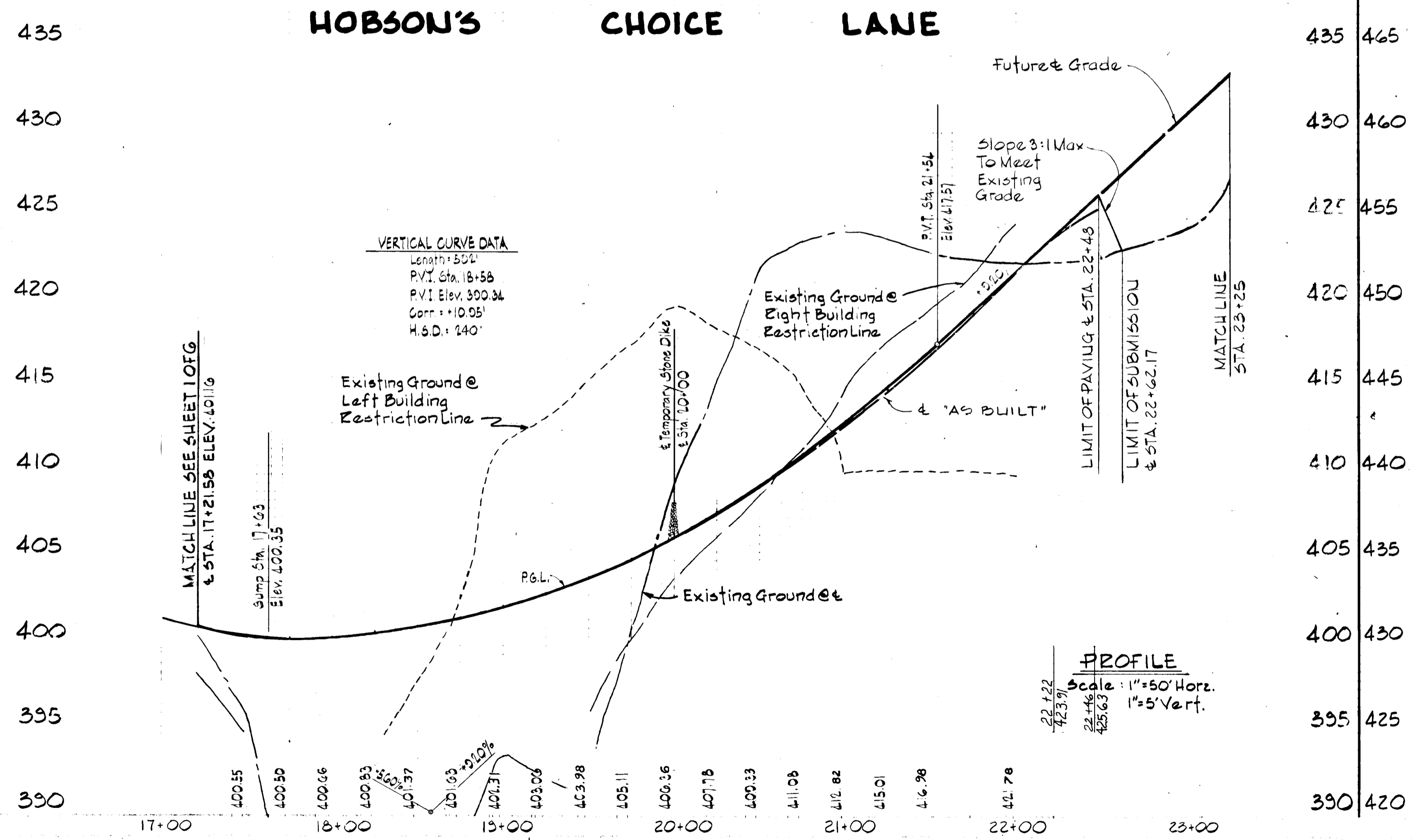
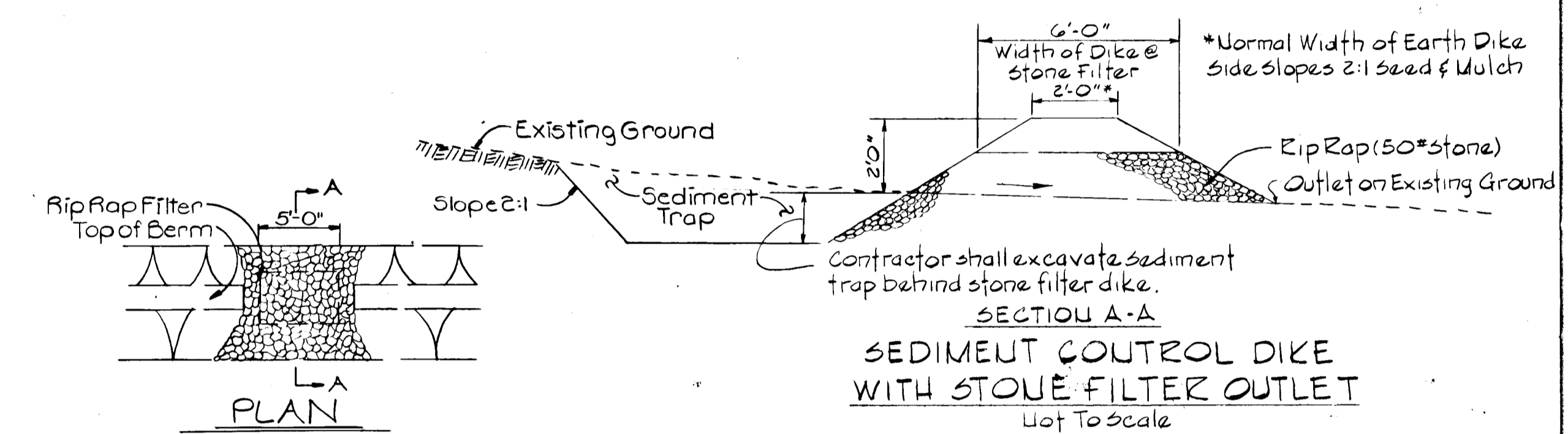
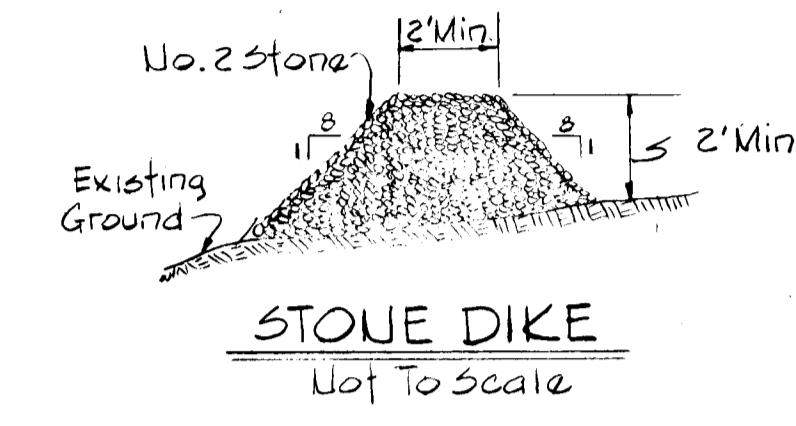
Reviewed for Howard County Soil Conservation District and meets Technical Requirements. *Paul D. Henman* 10/14/75 Date
U.S. Soil Conservation Service
This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
APPROVED: *Robert W. Ziehm Sr.* 10/14/75 Date
District Coordinator
Howard Soil Conservation District

DEVELOPER'S CERTIFICATE
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Howard L. C. Lichter 5/6/75 Date
Signature of Engineer

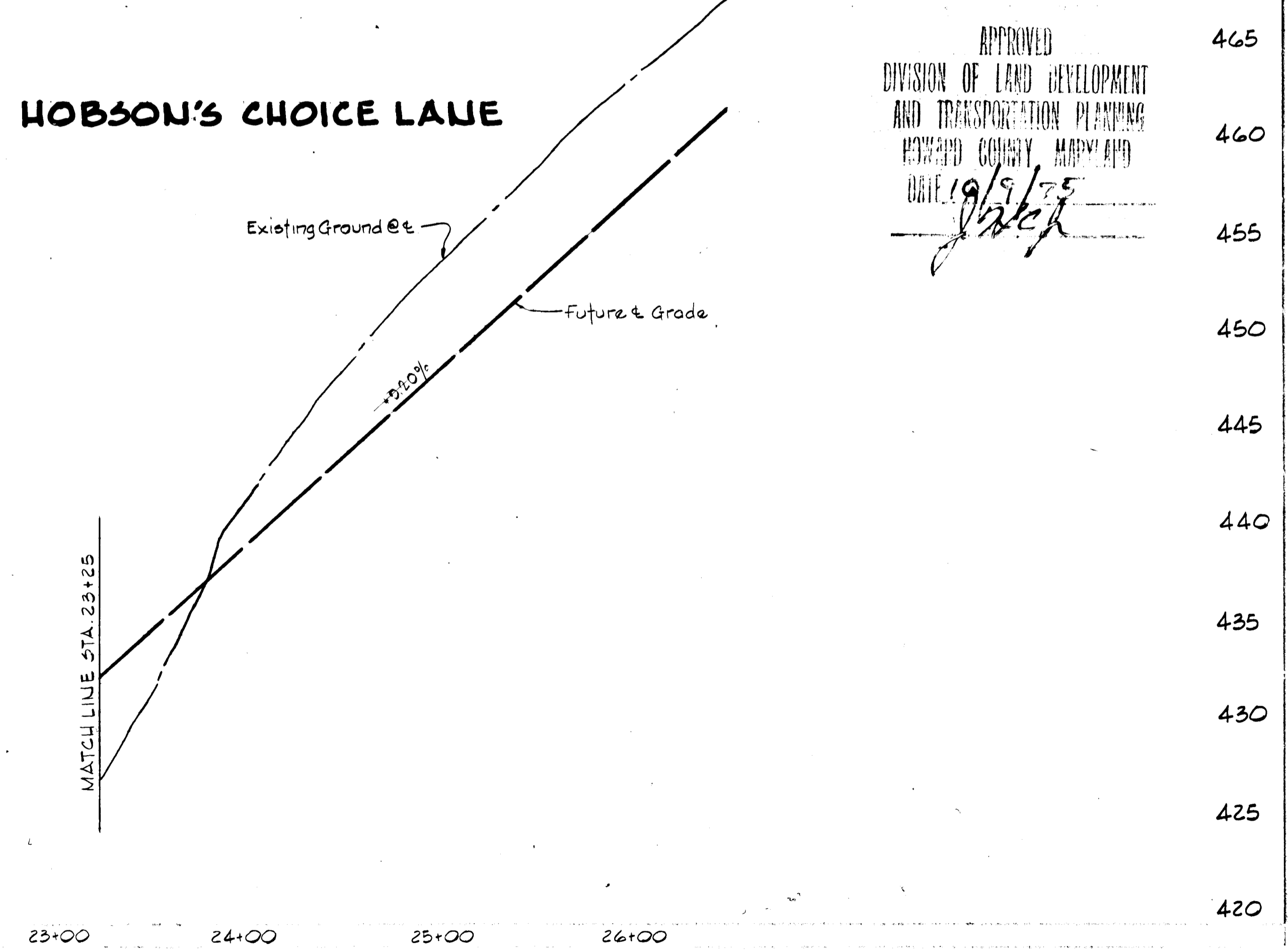
ENGINEER'S CERTIFICATE
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
William G. Rasch 5/6/75 Date
Signature of Engineer

STRUCTURE SCHEDULE						
STRUCTURE NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS	
I-1	A-5	398.14	398.89	400.42	P. 119-A DWG. 64-A	
I-2	A-5	---	398.67	400.42	P. 119-A DWG. 64-A	
I-3	A-10	387.80	388.60	391.93	P. 119-A DWG. 64-A	
I-4	A-5	---	388.18	391.93	P. 119-A DWG. 64-A	
I-5	A-10 W. DEFLECTORS	---	388.80	391.25	P. 116-A DWG. 64-A	
I-6	A-5	390.00	388.75	398.46	P. 119-A DWG. 64-A	
I-7	A-5	---	398.92	398.46	P. 119-A DWG. 64-A	
I-8	A-10 W. DEFLECTORS	408.75	408.50	418.11	P. 119-A DWG. 64-A	
I-9	A-10 W. DEFLECTORS	---	408.78	418.11	P. 119-A DWG. 64-A	
M-1	STANDARD	388.25	388.50	392.41	P. 158 DWG. D-103	
M-2	STANDARD	348.05	344.80	358.00	P. 158 DWG. D-103	
S-1	CUT OFF WALL	---	378.96	388.46	SEE SHEET 5 OF 6	
S-2	CUT OFF WALL	381.50	---	388.00	SEE SHEET 5 OF 6	
S-3	TYPE "C"	---	378.75	388.75	P. 107 DWG. D-52	
S-4	TYPE "C"	390.00	---	398.50	P. 107 DWG. D-52	
S-5	TYPE "C"	---	314.66	317.41	P. 107 DWG. D-52	
S-6	TYPE "C"	---	388.50	391.50	P. 107 DWG. D-52	
S-7	JUNCTION BOX	391.19	391.94	393.36	P. 163 DWG. D-108	

FOR "AS BUILT" STORM DRAIN Elev.
SEE SHEET 5 OF 6



PROFILE
Scale: 1"=50' Horiz.
1"=5' Vert.



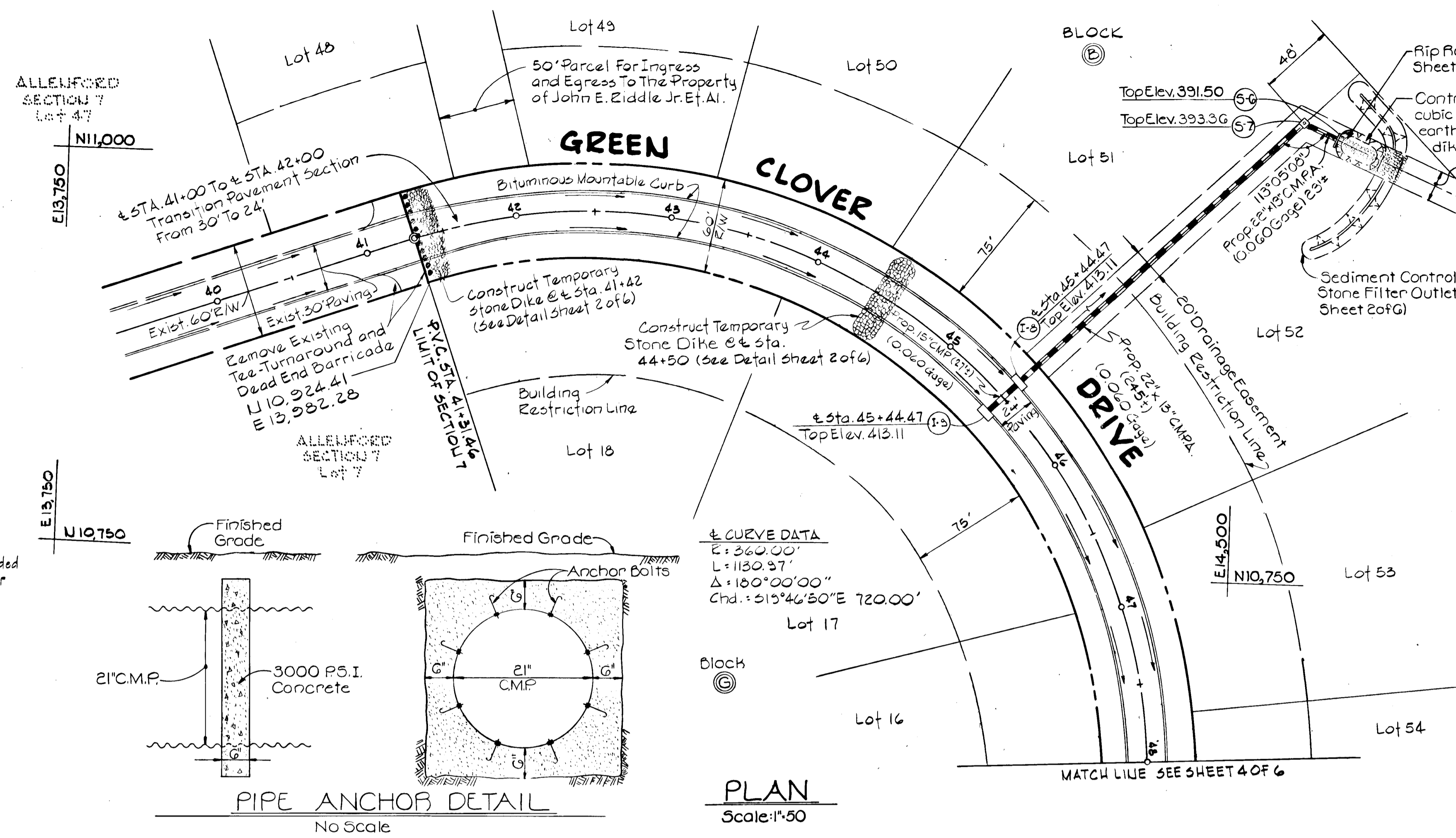
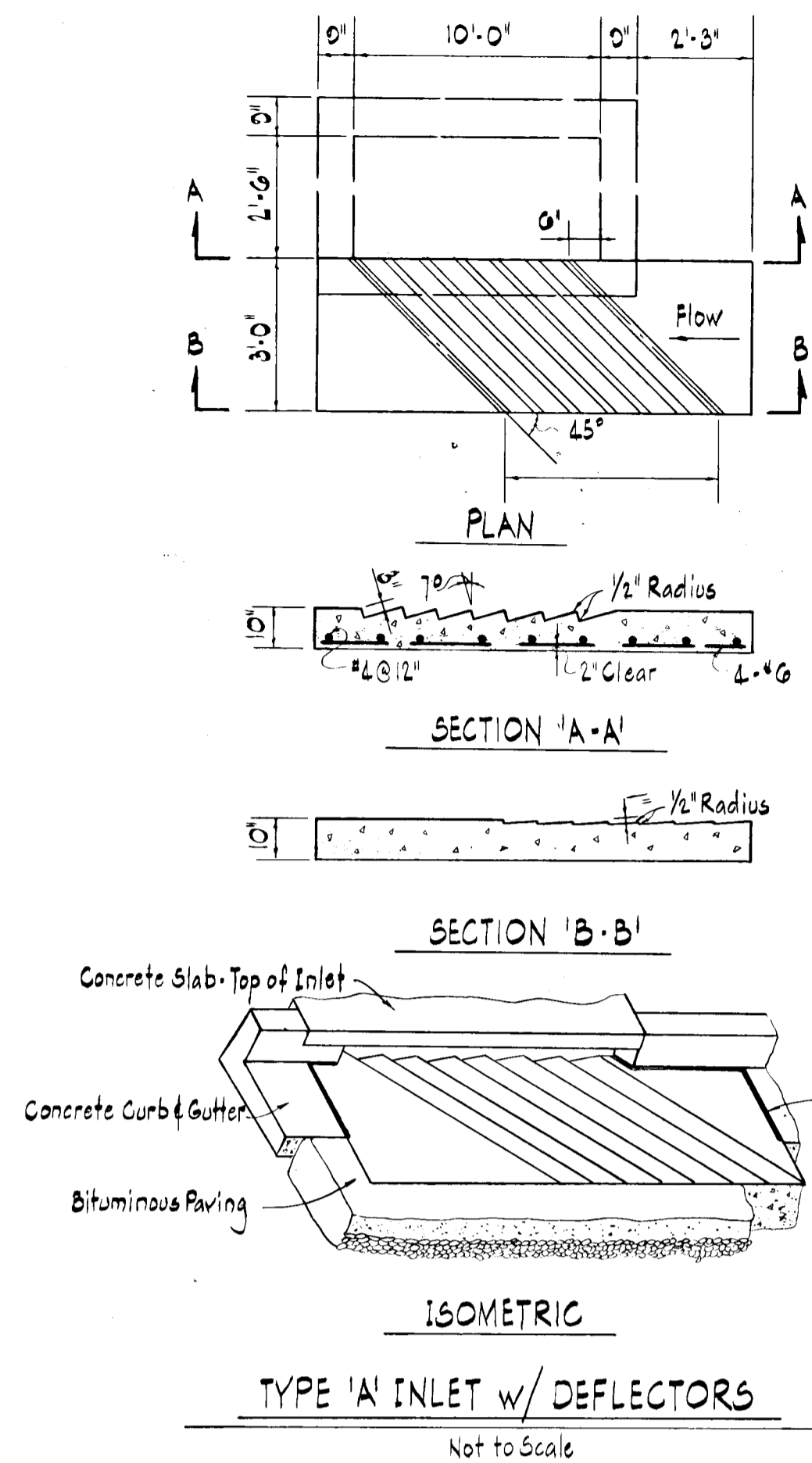
APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 10/9/75
[Signature]

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] 10/21/75 DATE
CHIEF, BUREAU OF HIGHWAYS
APPROVED: OFFICE OF PLANNING AND ZONING
[Signature] 10/16/75 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

PLAN AND PROFILE: HOBSON'S CHOICE LANE AND SEDIMENT CONTROL DETAILS
ALLENFORD
2nd ELECTION DISTRICT SECTION 0 HOWARD COUNTY, MARYLAND
MAY 6, 1975 SCALE: AS SHOWN

WILLIAM G. RASCH
CONSULTING ENGINEER
REG. NO. 4575
DATE 5/6/75

OWNER AND DEVELOPER
THE CHAMBERLEA COMPANY
10094 MAPLEWOOD GRIVE
ELLCOTT CITY, MARYLAND 21043
DESIGNED: C.J. CROVO
DRAFTED: R.A. ZELINKA
CHECKED: R.B. CARTER
SHEET 2 OF 6

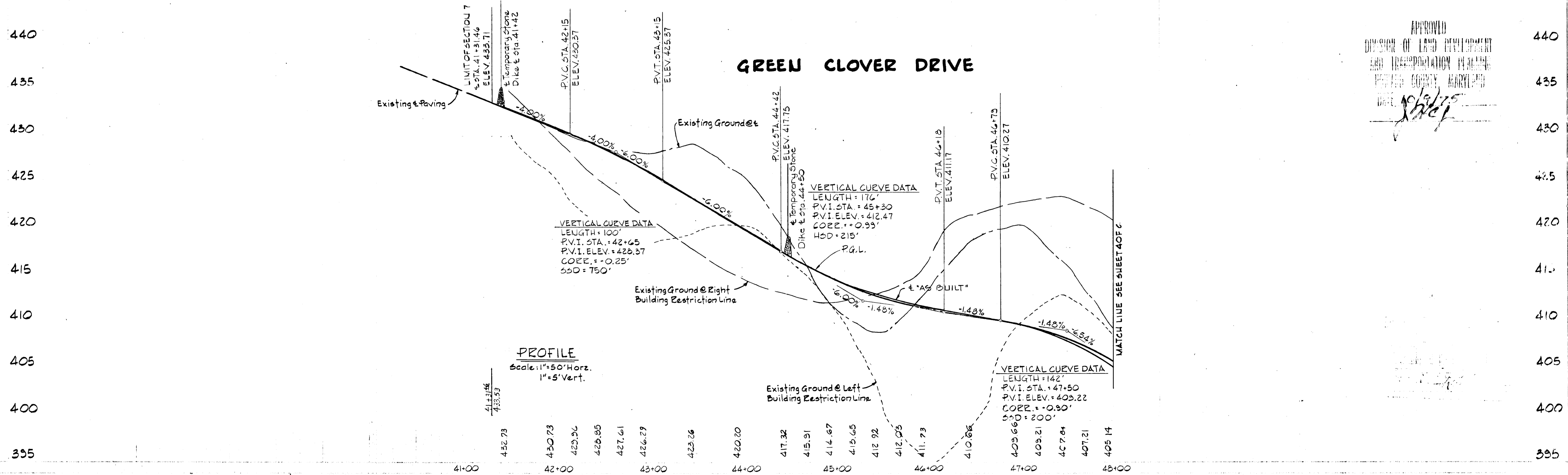


DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
 Signature of Developer: Robert W. Zelman Date: 5/16/75

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.
 Signature of Engineer: William G. Rasch Date: 5/16/75

Reviewed for Howard County Soil Conservation District and meets Technical Requirements.
 Signature of Reviewer: Eric H. Hanson Date: 10/14/75
 U.S. Soil Conservation Service

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 APPROVED: Robert W. Zelman Date: 10/14/75
 District Coordinator
 Howard Soil Conservation District



APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND RECREATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE: 5/16/75

APPROVED: DEPARTMENT OF PUBLIC WORKS
D. N. McKeown 10/21/75
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: OFFICE OF PLANNING AND ZONING
W. H. Claverman 10/16/75
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

PLAN AND PROFILE: GREEN CLOVER DRIVE
ALLENFORD
 2nd ELECTION DISTRICT SECTION 8 HOWARD COUNTY, MARYLAND
 MAY 6, 1975 SCALE: AS SHOWN

FURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 461-837-0186

William G. Rasch 5/16/75
 WILLIAM G. RASCH II REG. NO. 4575 DATE

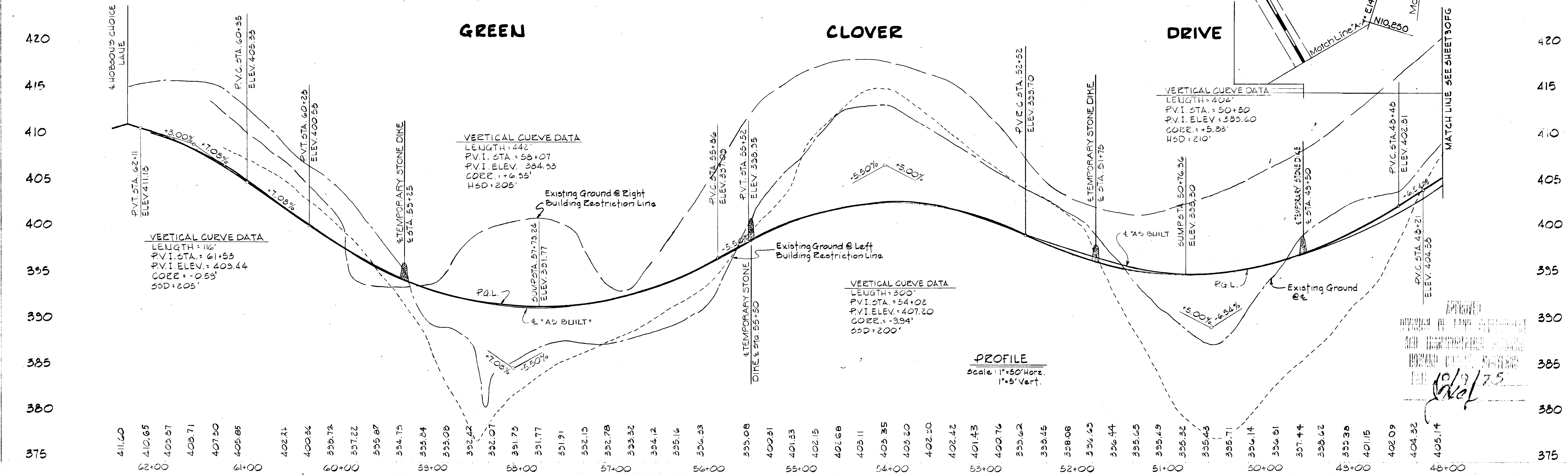
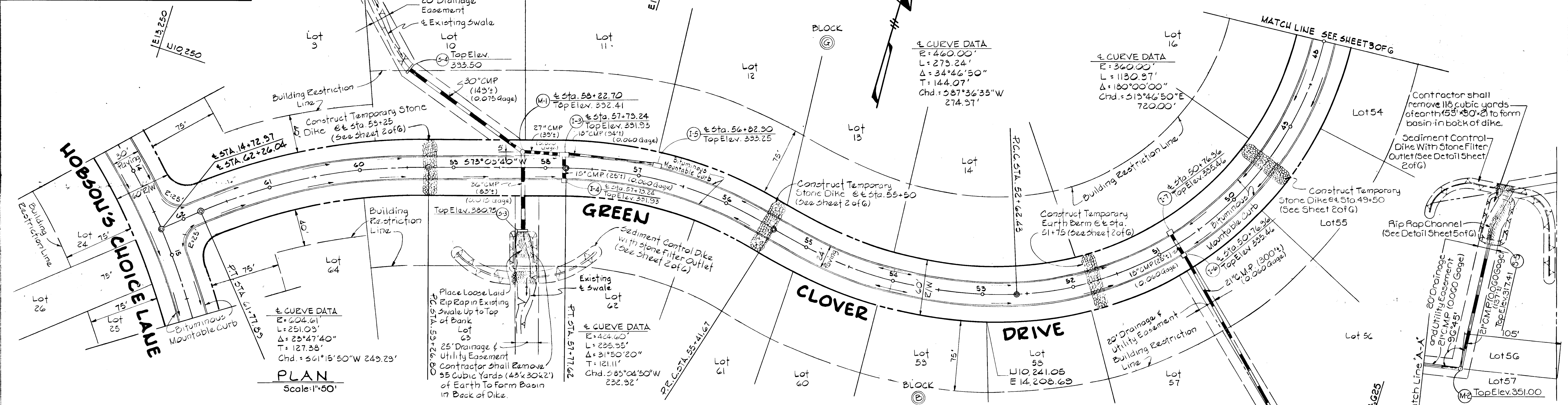
OWNER AND DEVELOPER
 THE CHAMBERLAIN COMPANY
 10094 MAPLEWOOD DRIVE
 ELLICOTT CITY, MARYLAND 21043

DESIGNED: C. J. GROVO
 DRAFTED: R. A. ZELINKA
 CHECKED: R. B. CARTER

DEVELOPER'S CERTIFICATE
 I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
William G. Rasch II
 5/14/75
 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 Howard Soil Conservation District.
William G. Rasch II
 5/16/75
 Signature of Engineer Date

Reviewed for Howard County Soil Conservation District and meets Technical Requirements. *Richard R. Hanson* 10/14/75
 U.S. Soil Conservation Service Date
 This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 APPROVED: *Robert W. Johnson II* 10/14/75
 District Coordinator Date
 Howard Soil Conservation District



APPROVED: DEPARTMENT OF PUBLIC WORKS
J. P. McKeand 10/21/75
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: OFFICE OF PLANNING AND ZONING
R. Hanson 10/14/75
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

PLAN AND PROFILE: GREEN CLOVER DRIVE
ALLENFORD
 2nd ELECTION DISTRICT SECTION 8 HOWARD COUNTY, MARYLAND
 MAY 6, 1975 SCALE: AS SHOWN

DESIGNED: C.J. GROVO
 DRAFTED: P.A. ZELINKA
 CHECKED: S.S. GAFFER
 SHEET 4 OF 6

OWNER AND DEVELOPER
 THE CHAMBERLEA COMPANY
 10394 MAPLEWOOD DRIVE
 ELLICOTT CITY, MARYLAND 21043

WILLIAM G. RASCH II REG. NO. 4575
 DATE

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control meets a practical and portable plan based on my knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard County Construction District.

Signature of Engineer: *Eric V. Herman* Date: *10/14/75*

Signature of District Coordinator: _____ Date: _____

GENERAL NOTES

- All construction shown hereon shall be in accordance with the Howard County Road Construction Code and Standard Specifications dated November 27, 1962 and revised August 1967.
- Reference to page and drawing numbers shown hereon are referred to the above mentioned Road Construction Code and Standard Specifications.
- Design Speed: 35 MPH (Hobson's Choice Lane) 25 MPH (Green Clover Drive)
- Contractor shall call "Miss Utility" (559-0100) a minimum of 5 days in advance of construction operations.
- Elevations shown hereon are based on Howard County Topographic Datum.

SEEDING AND EROSION CONTROL NOTES

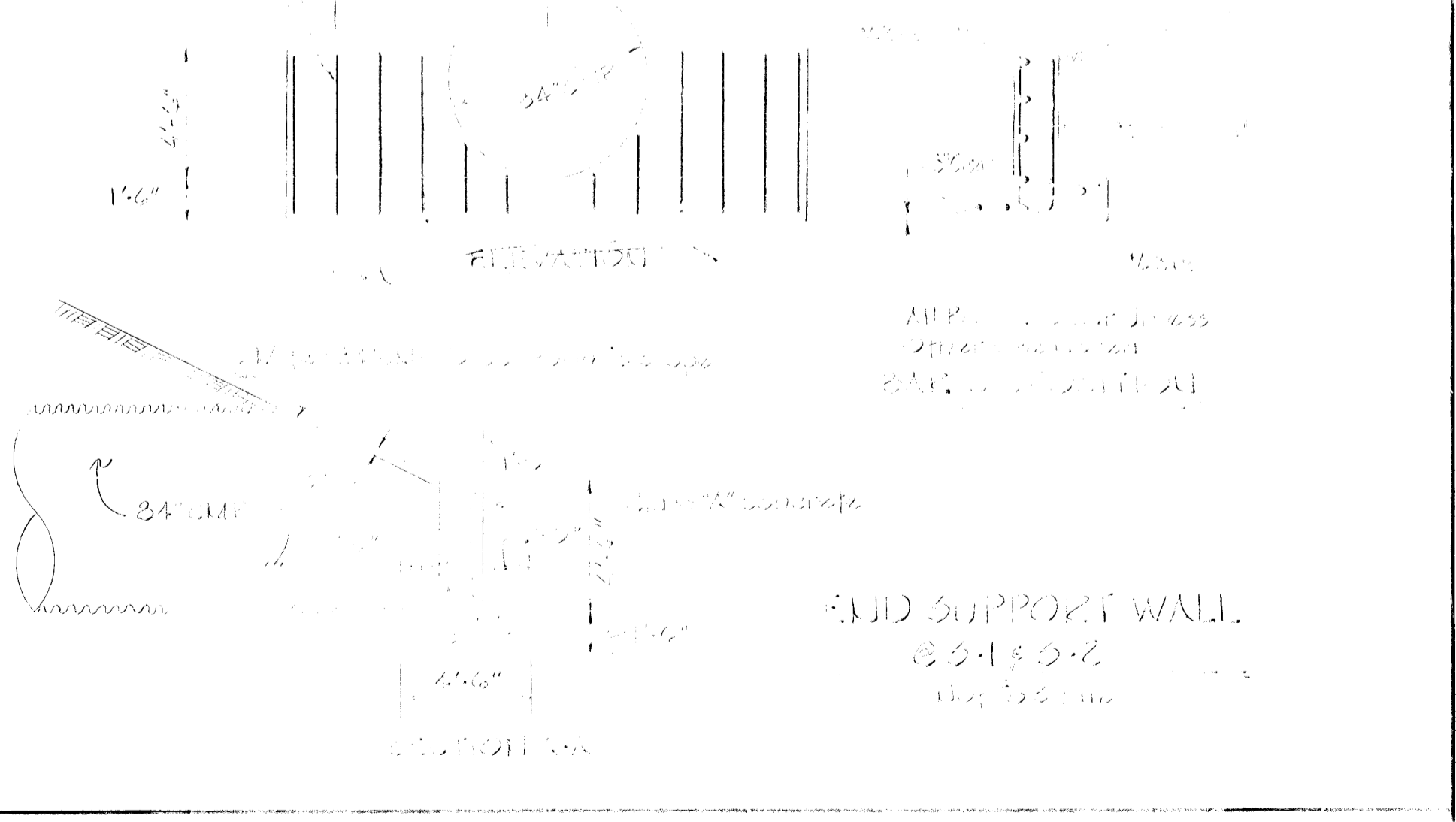
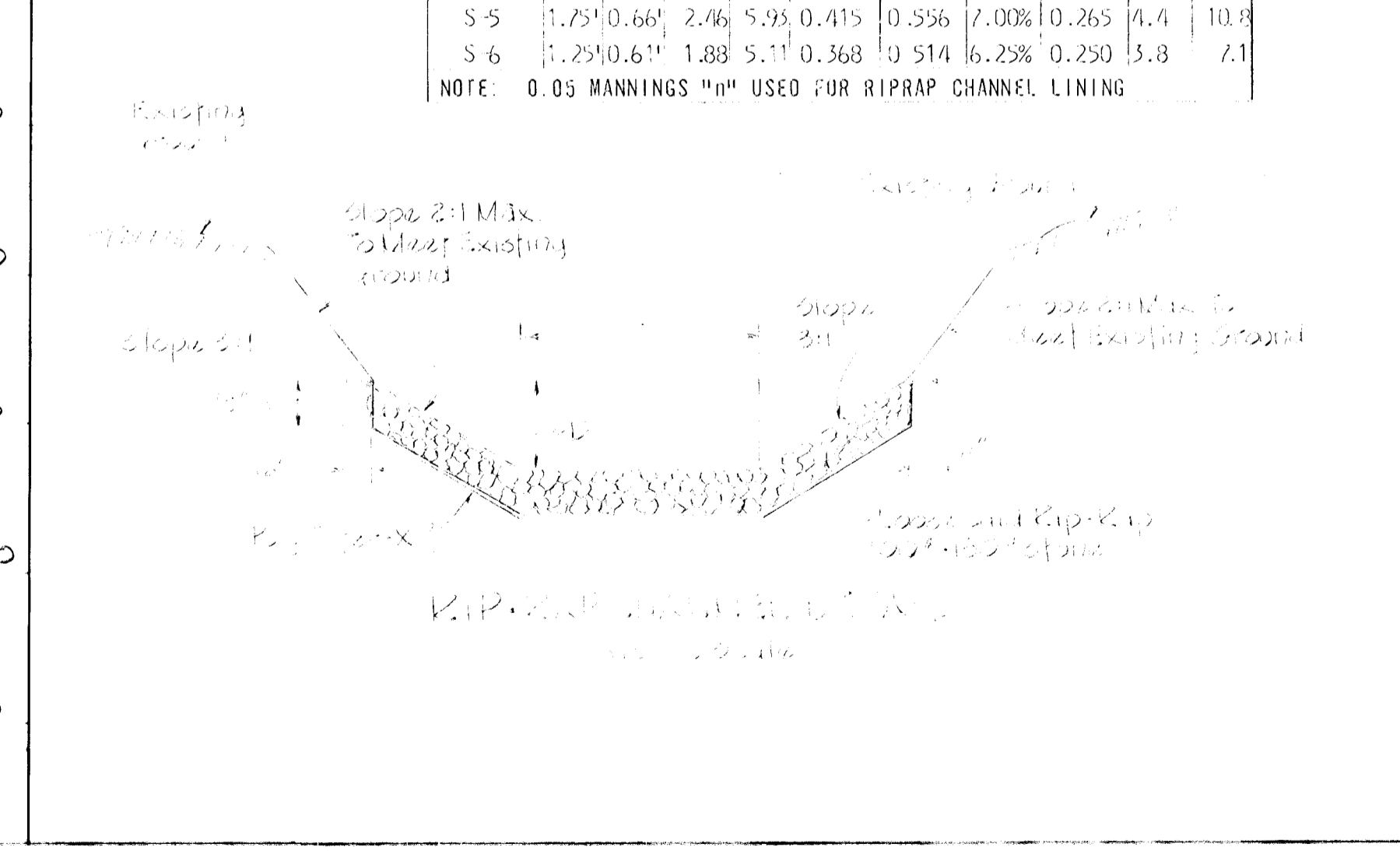
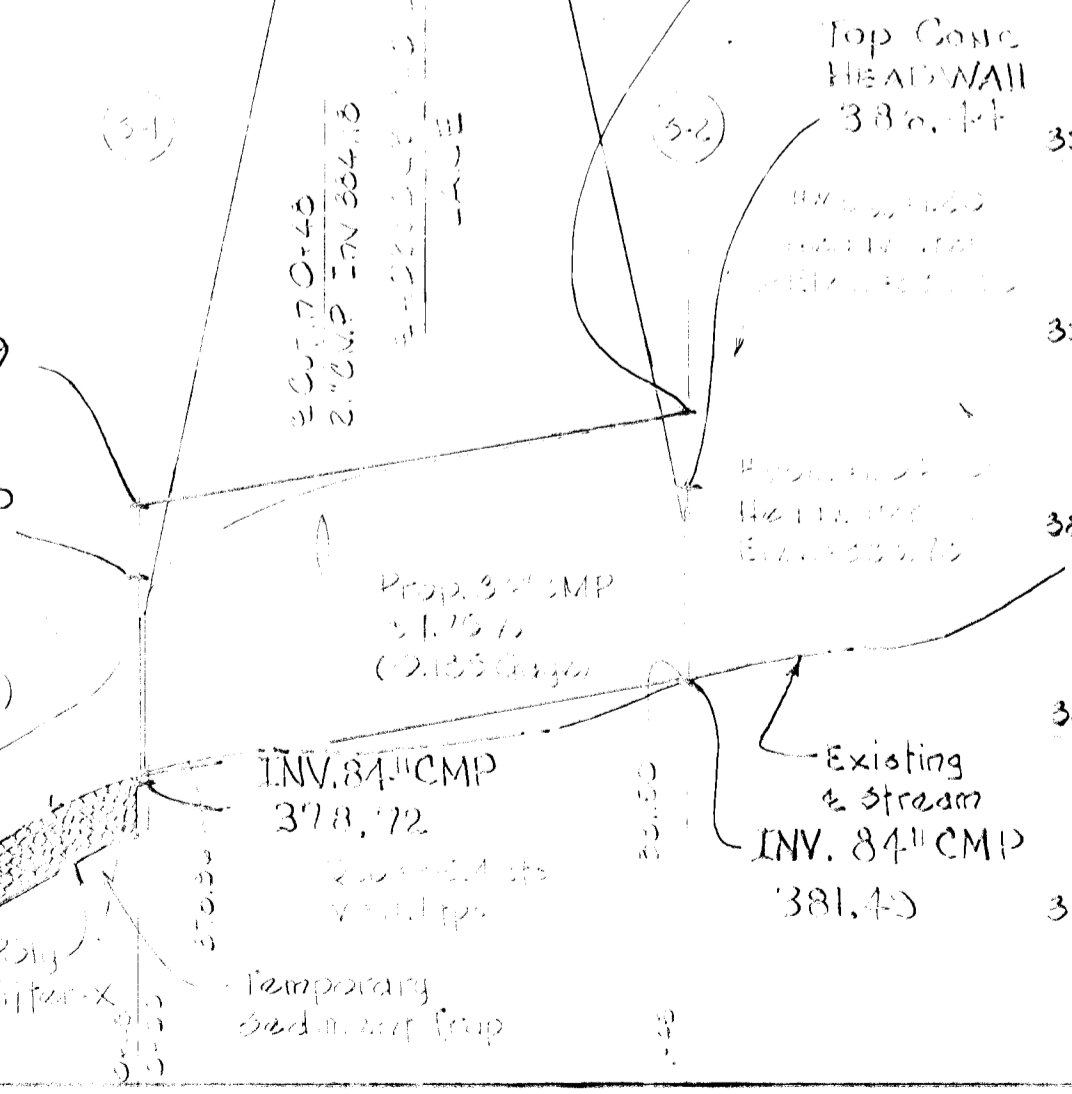
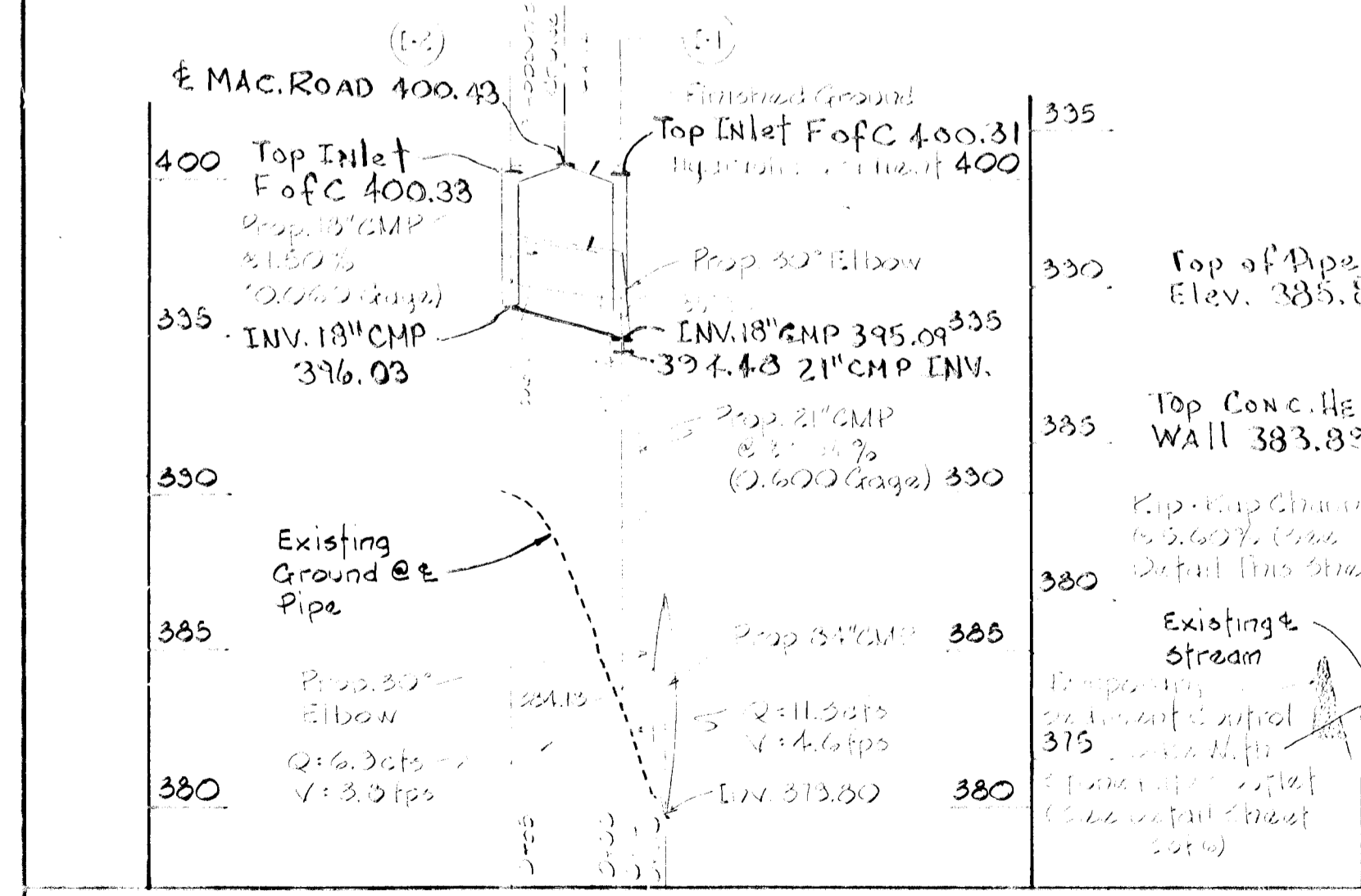
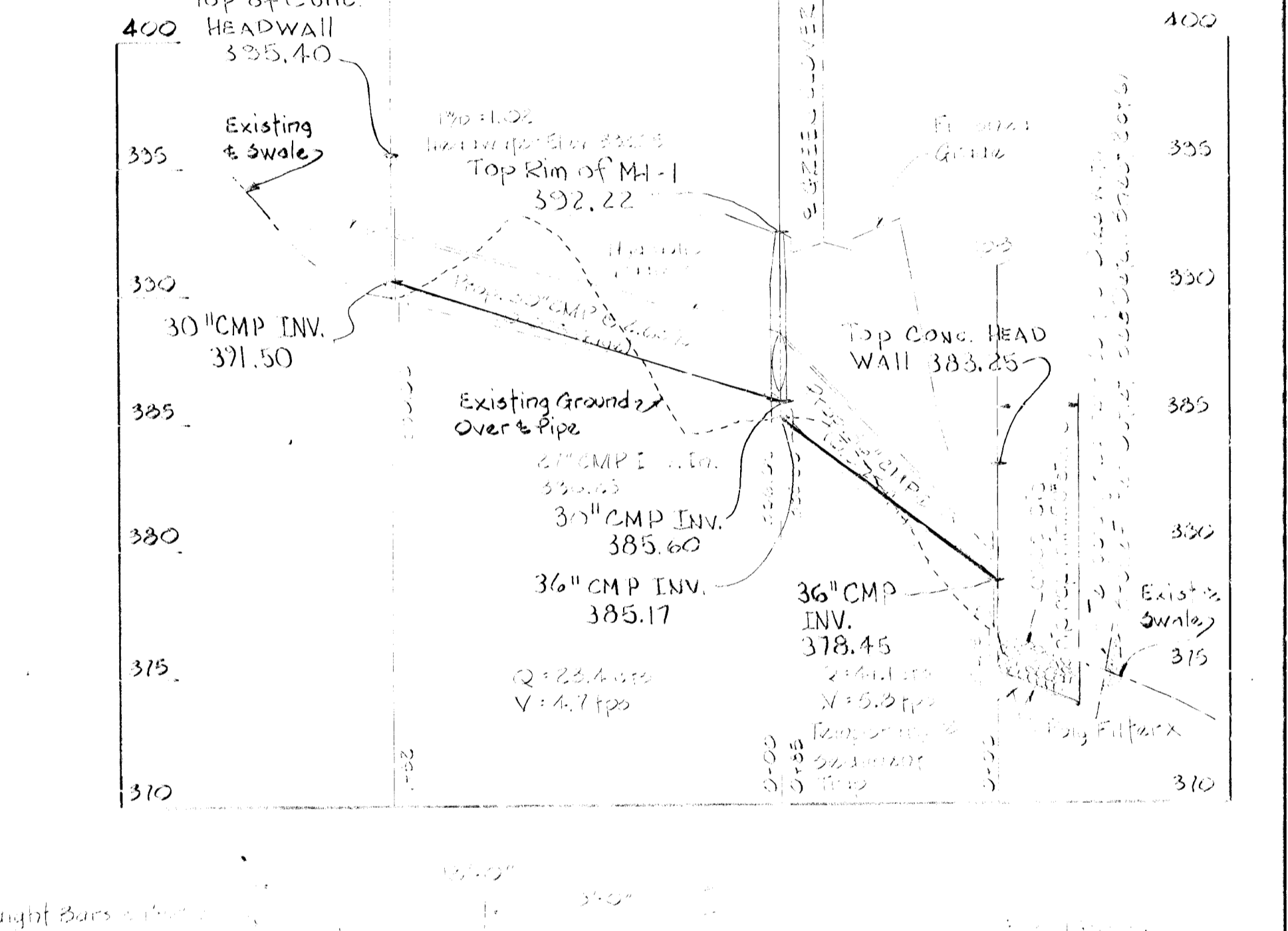
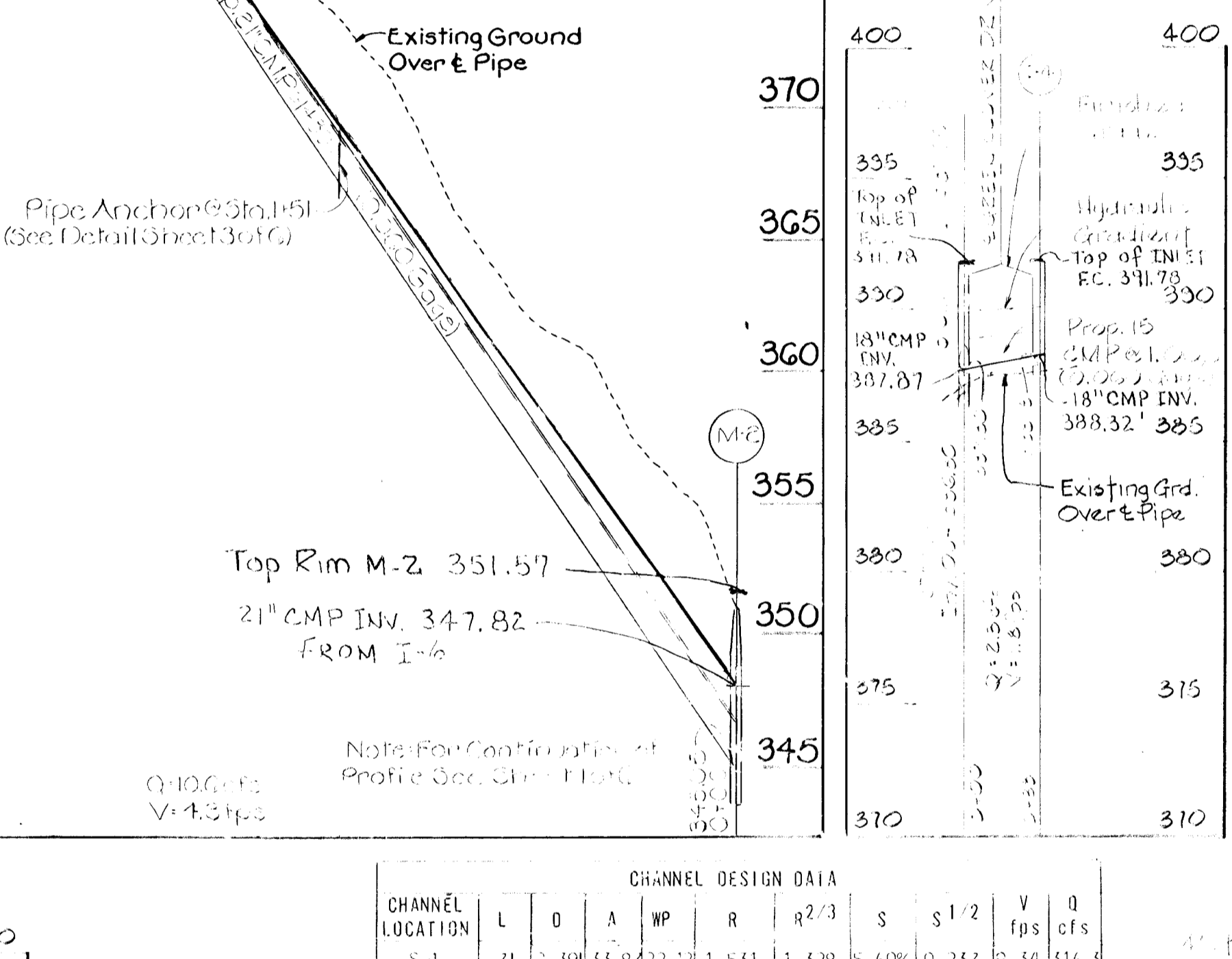
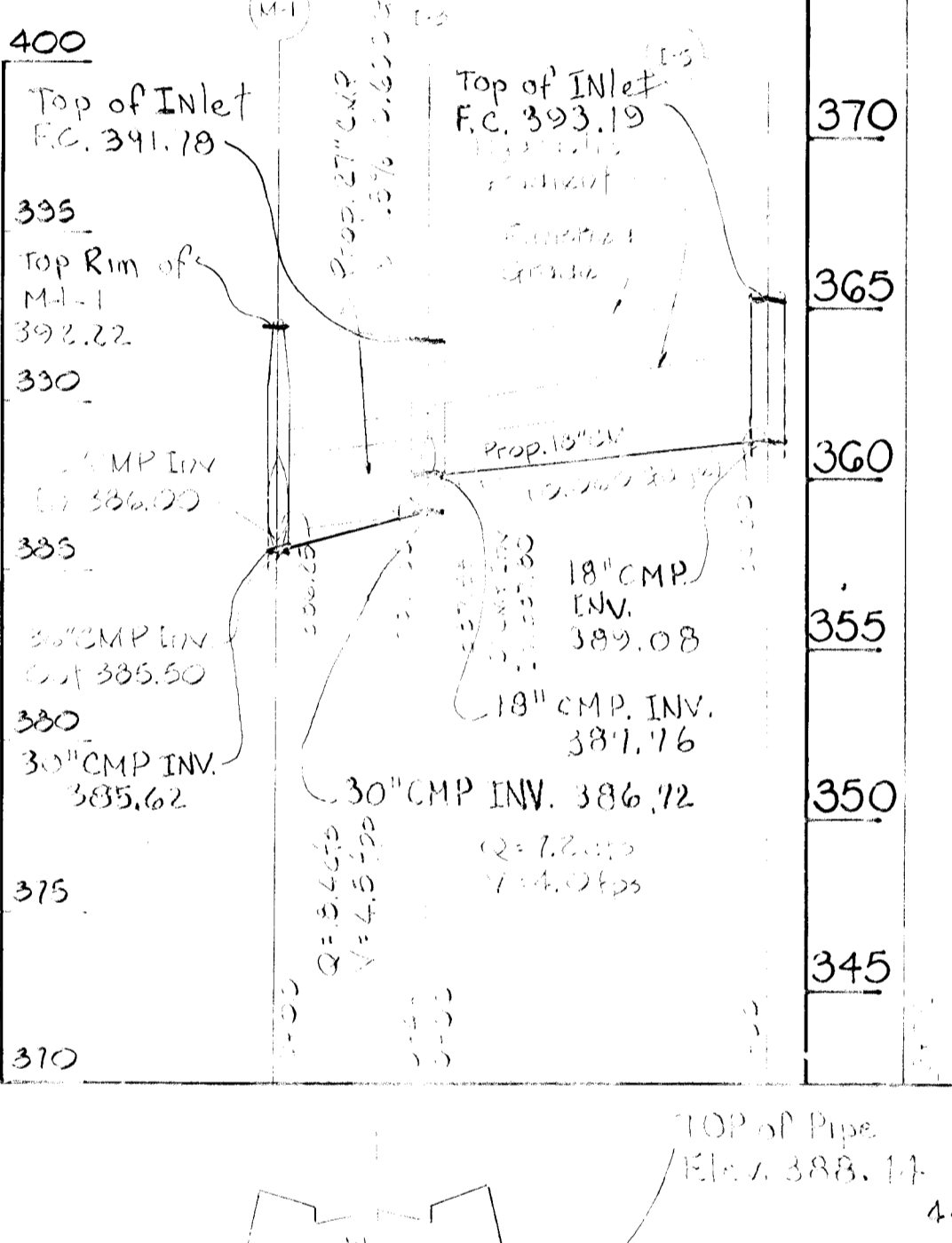
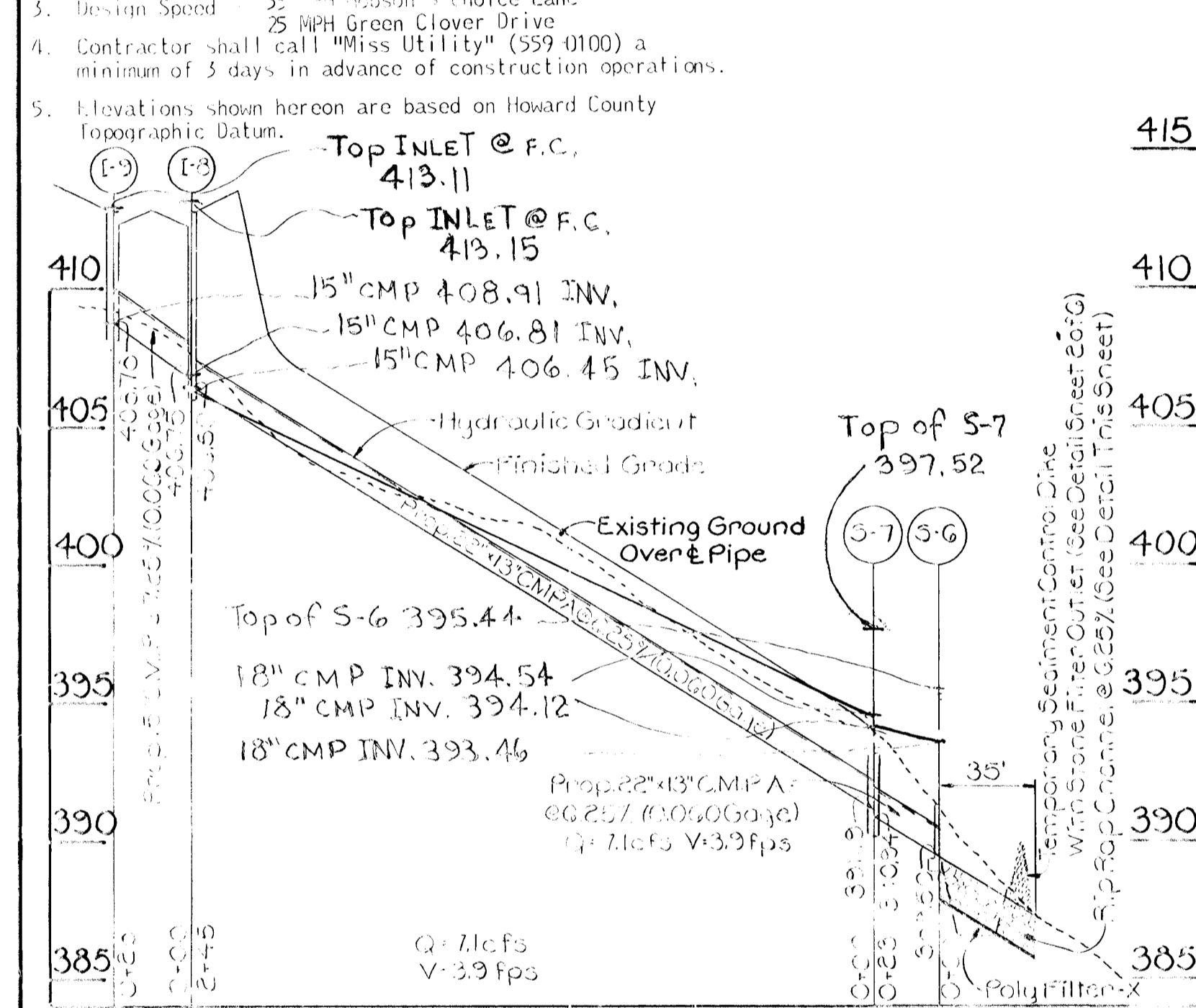
- Site Preparation:
 - Remove or trim all vegetation from seeded the following materials at the proposed site:
 - Phosphorus (38 lbs./Acre)
 - Commercial Fertilizer (10 lb./Acre)
 - Super Phosphate (600 lbs./Acre)
- Seeding:
 - Use the following seed mixture at the rate of 200 lbs./acre with a mechanical spreader:
 - 20% Annual Ryegrass
 - 80% Kentucky 31 Fescue
 - The seeded area shall then be raked with a York Rake (a minimum of two passes), covered and compacted with Cultipacker or other approved method.
- Mulching:
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 tons to 2 tons/acre
 - Tie mulch down with liquid asphalt at 0.1 gal/sy. or emulsified asphalt at 0.04 gal/sy. or mulch netting.
- Sediment and Erosion Control Requirements shown hereon are for road and storm drain construction only. Further development of individual lots are subject to additional Sediment and Erosion Control Requirements, if any.
- The developer shall provide a sediment control plan for improvements for the individual lots, and if more than one lot is being developed at a time an overall plan for sediment control shall be submitted for review and approval.

CONSTRUCTION SEQUENCE

- Place rip-rap dikes and stone filters downstream of S-1, S-3, S-5 and S-6 behind dikes, seed and mulch disturbed areas.
- Begin preliminary grading.
- Install pipes for S-1, S-3, S-5 and S-6.
- Place roads to subgrade creating stone dikes across road right of ways at stations shown.
- Construct balance of storm drain systems.
- Remove stone dikes and place road base and surface courses and curbing.
- Bring road slopes to finished grade; seed and mulch in accordance with sediment control note No. 4.
- Remove earth dikes, stone filters, and traps at S-1, S-3, S-5 and S-6 and install ungrouted stone rip-rap according to design of each structure.
- Stabilize remaining disturbed areas.

SITE ANALYSIS

1. Total Area	56.9 Ac.
2. Area to be Graded	5.4 Ac.
3. Area to be Paved	2.0 Ac.
4. Area to be Revegetated	3.4 Ac.
5. Undisturbed Area	51.5 Ac.



CHANNEL DESIGN DATA

CHANNEL LOCATION	L	D	A	WP	R	R2/3	S	S 1/2	V	Q
									fps	cms
S-1	7'	2.39'	53.87	22.22	1.351	1.328	5.60%	0.237	7.54	116.5
S-5	1.75'	0.66'	2.46	5.95	0.415	0.556	7.00%	0.265	4.4	10.8
S-6	1.25'	0.61'	1.88	5.11	0.368	0.514	6.25%	0.250	3.8	7.1

NOTE: 0.05 MANNINGS "n" USED FOR RIPRAP CHANNEL LINING

Department of Public Works
 Bureau of Highways
 Planning and Construction
 Date: *10/14/75*

STORM DRAIN AND SEDIMENT CONTROL DETAILS

ALLENFORD

2nd ELECTION DISTRICT SECTION HOWARD COUNTY MARYLAND
 MAY 6, 1975 SCALE: As Shown

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS

1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0193

OWNER AND DEVELOPER
 THE CHAMBERLAIN COMPANY
 13004 MAPLEWOOD DRIVE
 ELLICOTT CITY, MARYLAND 21043

DESIGNED BY: C.J. GROVO
 DRAWN BY: R.A. ZELINSKA
 CHECKED BY: R.B. CARTER
 SHEET 5 OF 6

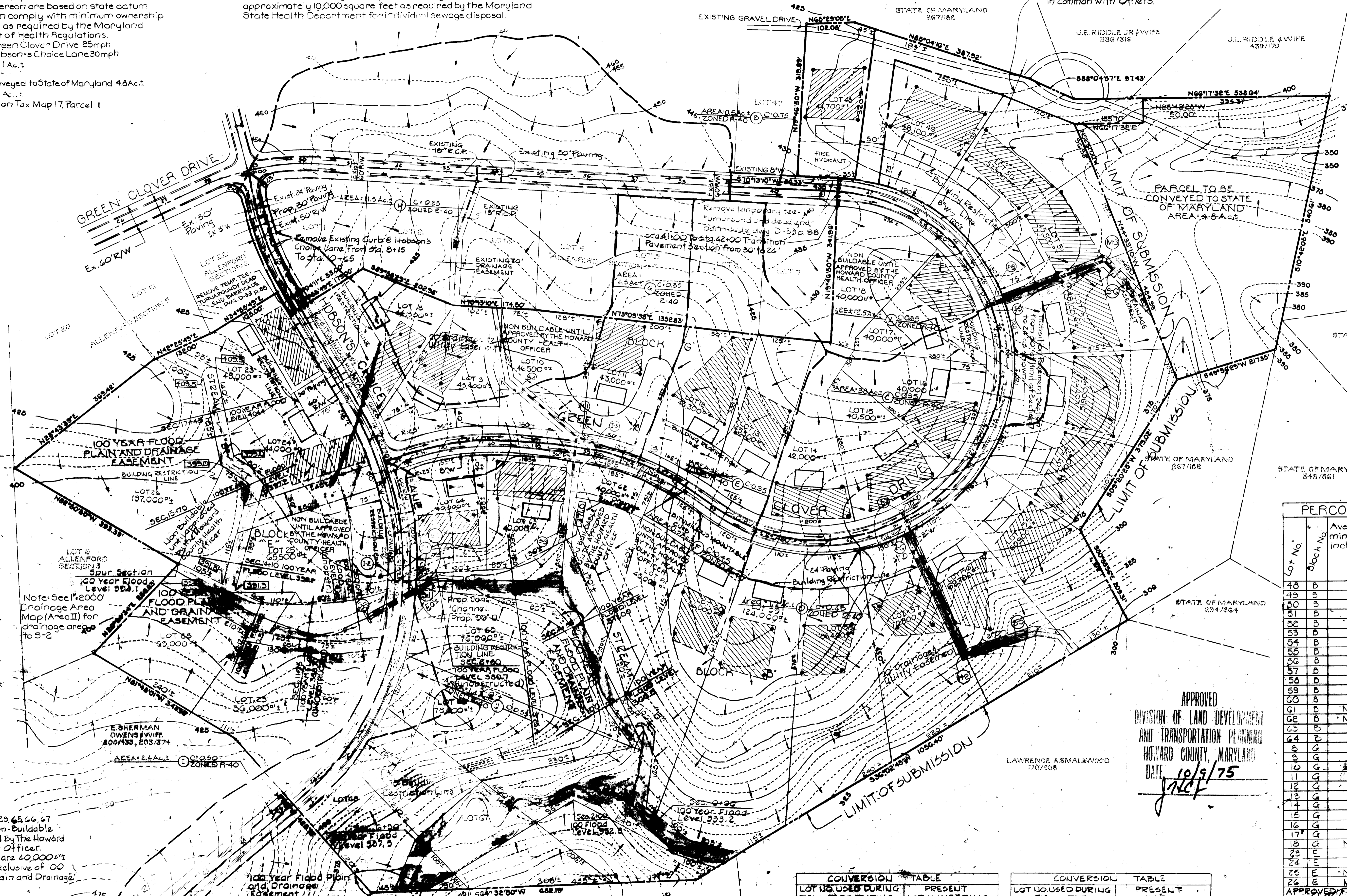
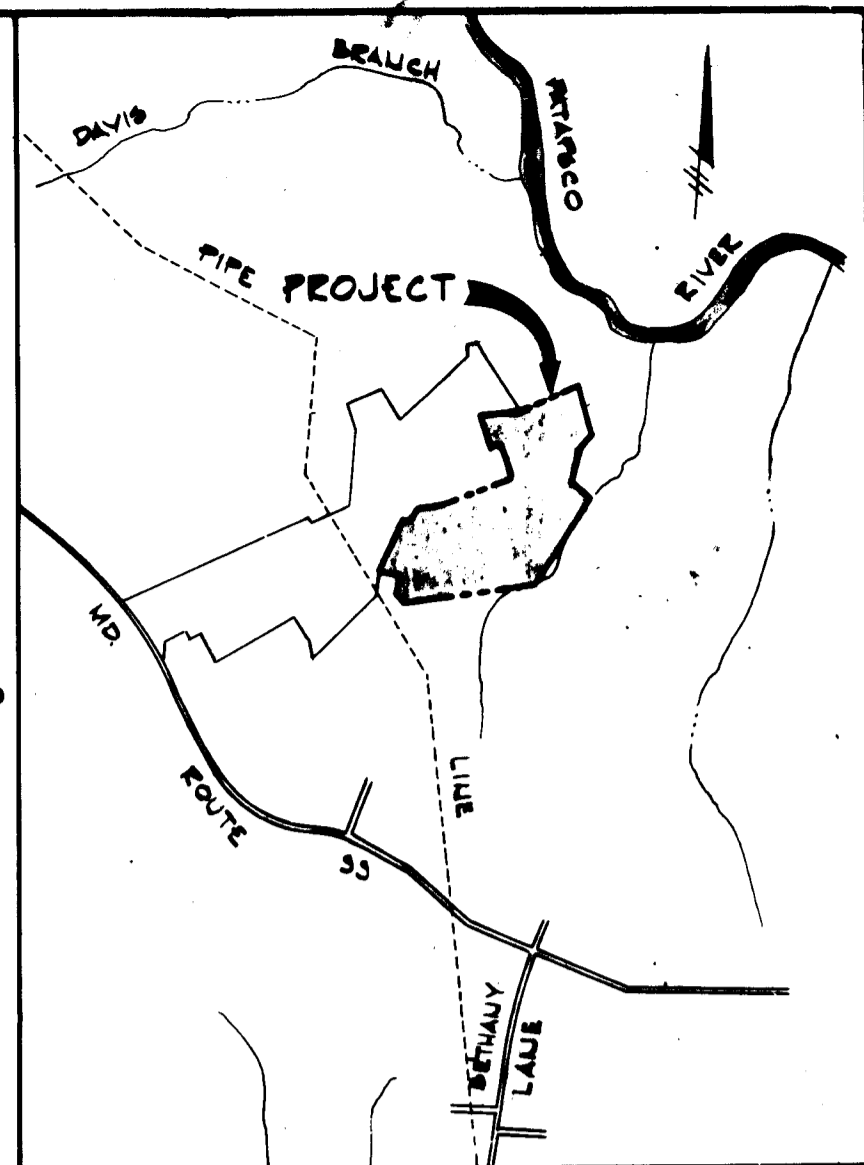
GENERAL NOTES

LEGEND

- 1) Zoned R-40
- 2) Total number of lots - 25
- 3) Private sewage and public water will be used within this development.
- 4) Contours shown herein are based on state datum.
- 5) Lots shown herein comply with minimum ownership width and lot area as required by the Maryland State Department of Health Regulations.
- 6) Design Speed - Green Clover Drive 25mph
Hobson's Choice Lane 30mph
- 7) Area of lots - 2.1 Ac.
- 8) Area of roads - 1.1 Ac.
- 9) Area of parcel conveyed to State of Maryland - 4.8 Ac.
- 10) Total Area - 30.3 Ac.
- 11) Property located on Tax Map 17, Parcel 1

- 1) - 425 - Existing contours (5' interval).
- 2) ● Denotes location of test hole.
- 3) [Symbol] Approximate location of dwellings.
- 4) [Symbol] This area designates a private sewage easement of approximately 10,000 square feet as required by the Maryland State Health Department for individual sewage disposal.

50' Parcel for Ingress and Egress to the Property of John E. Riddle, Jr. and J.L. Riddle with the Use thereof in common with Others.



VICINITY MAP
Scale: 1"=2000'

PERCOLATION TEST DATA

Lot No.	Block No.	Average percolation in minutes for second inch.	Minimum depth permitted for 4" fluted pipe to enter sewage disposal area at its highest elevation with reference to existing grade at time of percolation test.
48	B	6 MIN.	3 FT.
49	B	6 MIN.	3 1/2 FT.
50	B	8 MIN.	4 FT.
51	B	4 MIN.	4 FT.
52	B	6 MIN.	3 1/2 FT.
53	B	4 MIN.	3 FT.
54	B	3 MIN.	3 FT.
55	B	7 MIN.	4 FT.
56	B	2 MIN.	4 FT.
57	B	2 MIN.	4 FT.
58	B	3 MIN.	4 FT.
59	B	3 MIN.	5 FT.
60	B	6 MIN.	4 FT.
61	D	Non-Buildable	
62	D	Non-Buildable	
63	D	3 MIN.	4' MAX. DEPTH 12"
64	D	3 MIN.	4' MAX. DEPTH 12"
65	D	5 MIN.	5' MAX. DEPTH 12"
66	D	4 MIN.	4' MAX. DEPTH 12"
67	D	Non-Buildable	
68	D	6 MIN.	3 FT.
69	D	12 MIN.	3 1/2 FT.
70	D	2 MIN.	4 FT.
71	D	4 MIN.	4 FT.
72	D	5 MIN.	6 FT.
73	D	3 MIN.	4 FT.
74	D	8 MIN.	4 1/2 FT.
75	D	Non-Buildable	
76	D	10 MIN.	4' MAX. DEPTH 12"
77	D	3 MIN.	5' MAX. DEPTH 12"
78	D	Non-Buildable	
79	D	Non-Buildable	

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 10/9/75
JNEP

CONVERSION TABLE	CONVERSION TABLE
LOT US. USED DURING FIELD PERC. TESTING	PRESENT LOT NUMBERING SECTION 3
25	43
26	44

Note: 1) Lots 20, 23, 45, 66, 67 and 68 are Non-Buildable until Approved by The Howard County Health Officer.
2) All lots are 40,000 sq ft or greater exclusive of 100 Year Flood Plain and Drainage Easement.

PURDUM & JESCHKE
CONSULTING ENGINEERS &
LAND SURVEYORS
1000 N. CALVERT STREET
BALTIMORE, MARYLAND 21202

APPROVED: DEPARTMENT OF PUBLIC WORKS
DATE 10/14/75
OFFICE OF PLANNING AND ZONING
DATE 10/14/75
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING



OWNER/DEVELOPER
DOUGLAS C. LICHTER
CHAMBERLEA CORPORATION
10054 MAPLEWOOD DRIVE
ELLICOTT CITY, MD. 21043

DRAINAGE AREA MAP
ALLENFORD
SECTION 3
ELECTION DISTRICT HOWARD COUNTY, MD.
APRIL 21, 1975
SCALE 1"=100'
SHEET 6 of 6
PROJECT 10-16
E-75-85