

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.

Date: 1-30-76
James W. King Sr.

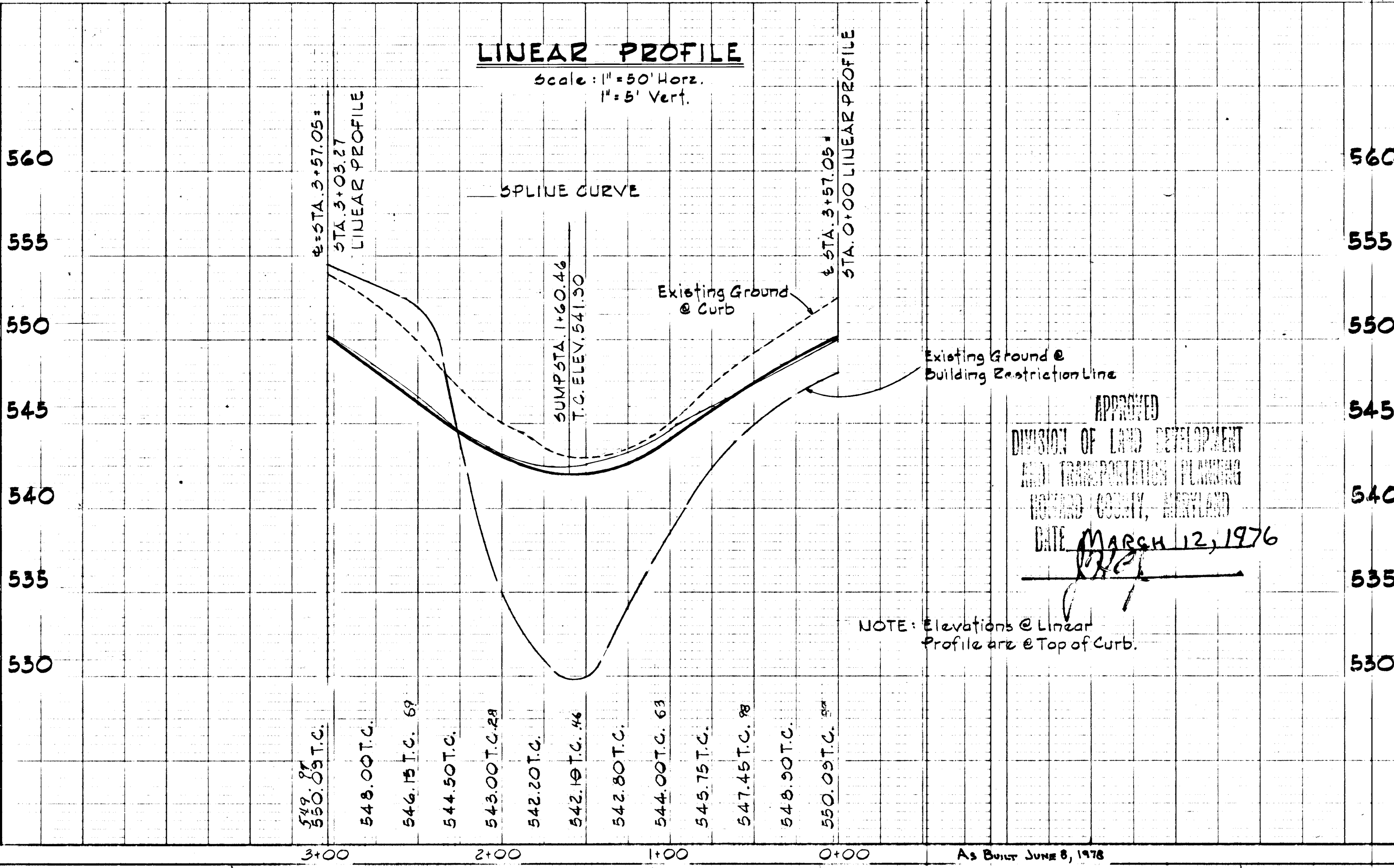
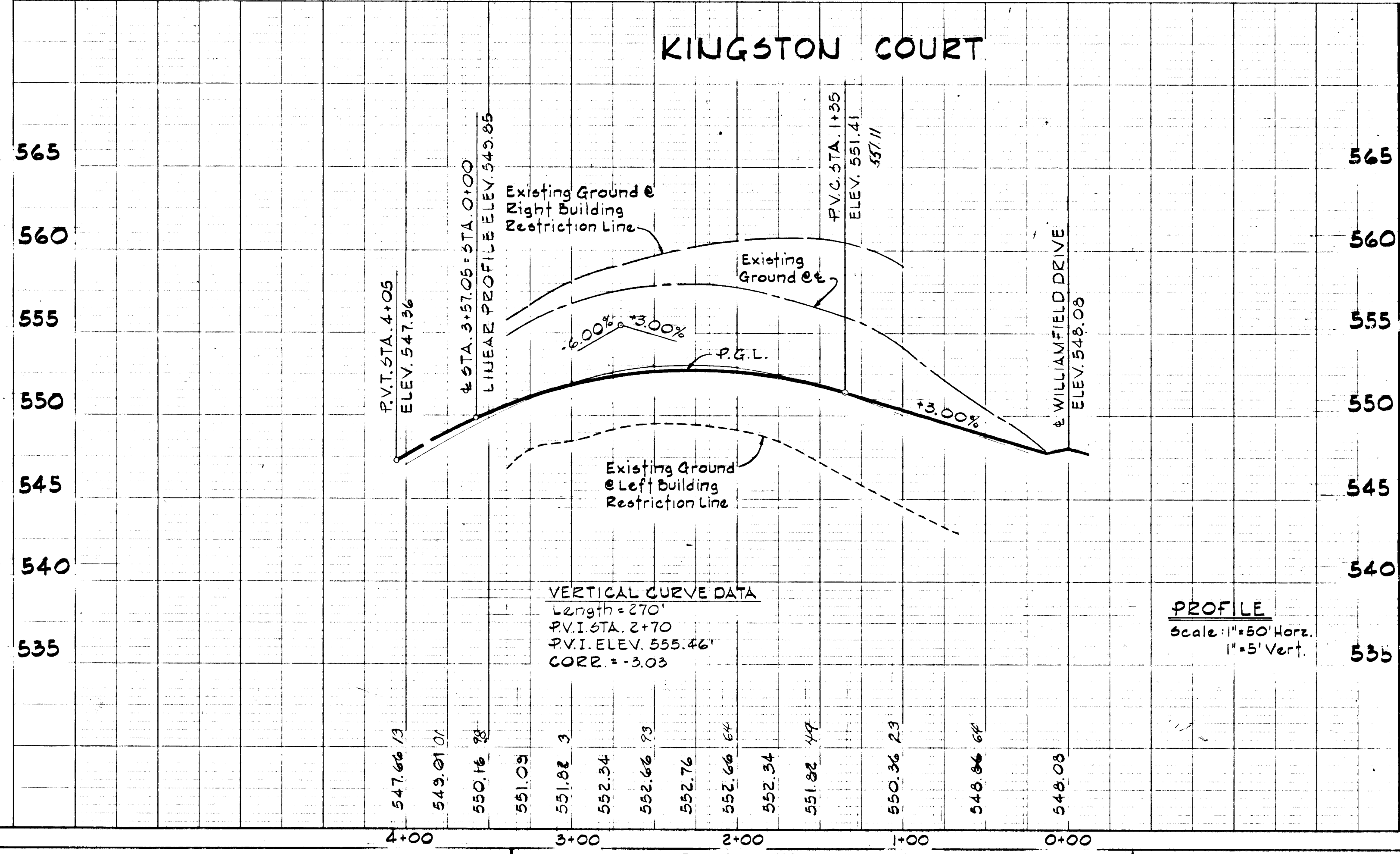
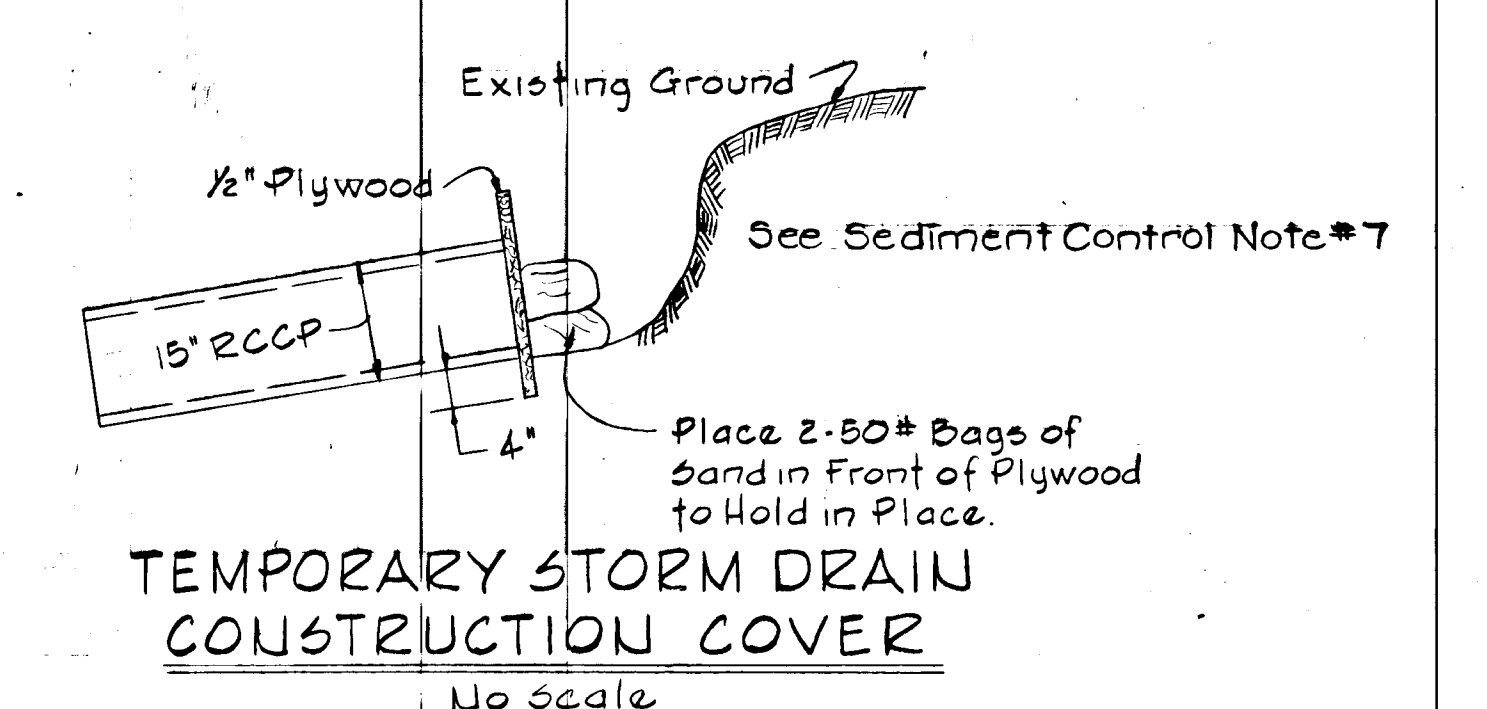
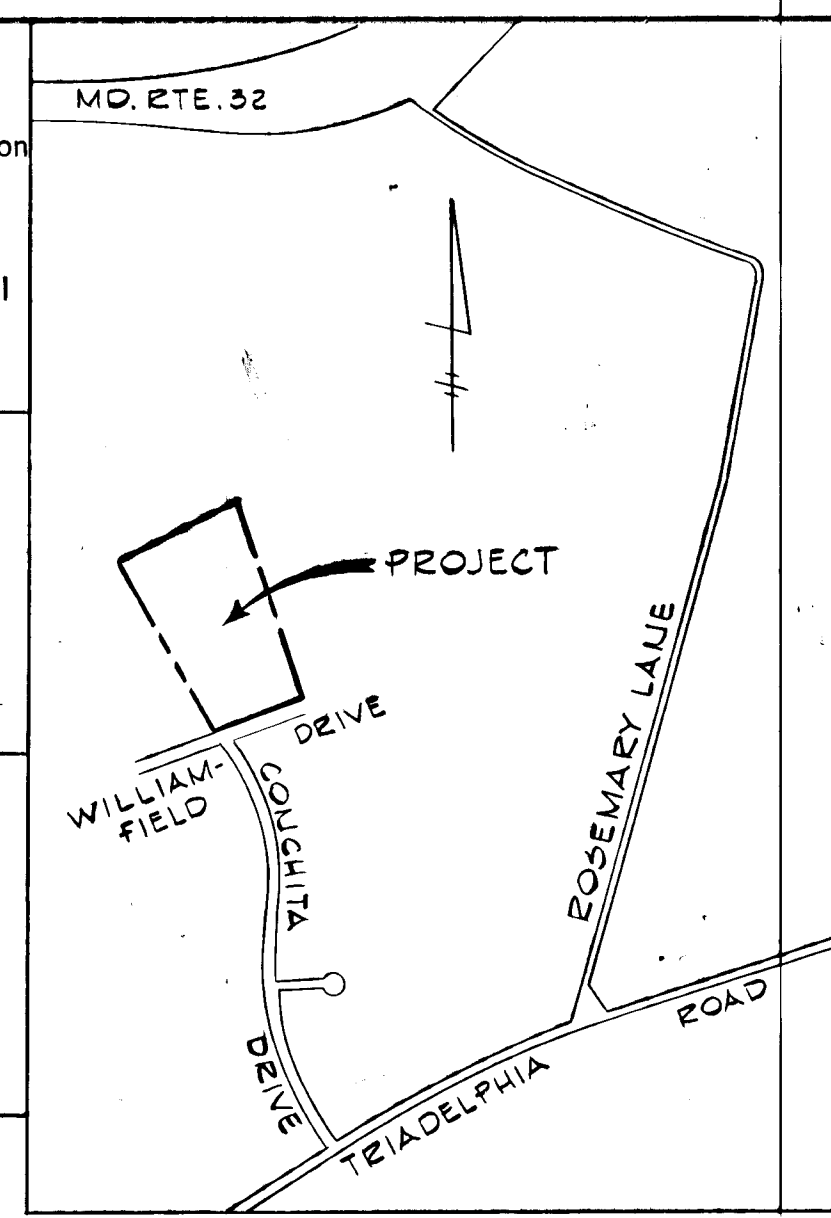
ENGINEER'S CERTIFICATE

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.

Date: 4/12/76
Signature of Engineer: C. B. Hain

Reviewed for Howard County Soil Conservation District and meets Technical Requirements:
Date: 4/12/76
Signature: Eric V. Herman
U.S. Soil Conservation Service

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
Date: 4/12/76
Signature: Robert Zick
District Coordinator
Howard Soil Conservation District



APPROVED: Department of Public Works
Francis P. Newland 4/19/76
Chief, Bureau of Highways

APPROVED: Office of Planning and Zoning
W. Clawson 4/13/76
Chief, Division of Land Development and Transportation Planning

KINGSTON
SECTION 3
THIRD ELECTION DISTRICT
JANUARY 30, 1976

HOWARD COUNTY, MARYLAND
SCALE As Shown

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS

1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

As Built Certification Prepared By
CRDO & ASSOCIATES INC.
8669 OAK ROAD
BALTIMORE, MARYLAND 21234
661-9373

Cay G. Weinel Jr. 1-3-76
Cay G. Weinel Jr., Reg. 8182 Date

DESIGNED BY: C. J. Clove
DRAFTED BY: N. A. Zelinka
CHECKED BY: N. B. Carter
SHEET 1 OF 3

OWNER AND DEVELOPER
JAMES W. KING SR.
6567 FREETOWN ROAD
SIMPSONVILLE, MARYLAND 21150

DEVELOPER'S CERTIFICATE
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James W. King Sr.
James W. King Sr. 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.

Ray S. Weinel Jr.
Ray S. Weinel Jr. 1-30-76
Signature of Engineer Date

Reviewed for Howard County Soil Conservation District and meets Technical Requirements.
Eric J. Harman
Eric J. Harman 4/12/76
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 Zehner*
Robert Zehner 4/12/76
District Coordinator Date
Howard Soil Conservation District

SEDIMENT CONTROL NOTES

- The developer shall notify the Howard County Soil Conservation District at least 24 hours prior to beginning any construction shown hereon (465-3180).
- Berms, sediment traps, etc., to be constructed prior to any on-site grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Soil Conservation District (465-3180 or 465-5000 Ext. 291).
- All graded areas shall be stabilized by seeding and mulching in accordance with the following:
 - Site Preparation:
 - Harrow or disc in areas proposed to be seeded the following materials at the specified rate, to a depth of 3":
 - Pulverized limestone at 1 1/2 tons/acre
 - Commercial fertilizer 5-10-10 at 3/4 tons/acre
 - Super phosphate at 600 lbs/acre.
 - Seeding:
 - Sow 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/s.y. or emulsified wire bound asphalt at 0.04 gal/s.y. 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 and as directed by the Howard Soil Conservation District.
- A conceptual grading plan is to be developed by the builder before any building permit shall be issued.
- The Contractor shall cover all open storm drain pipe at the end of each working day in accordance with the temporary storm drain construction cover detail on sheet 1 of 3.

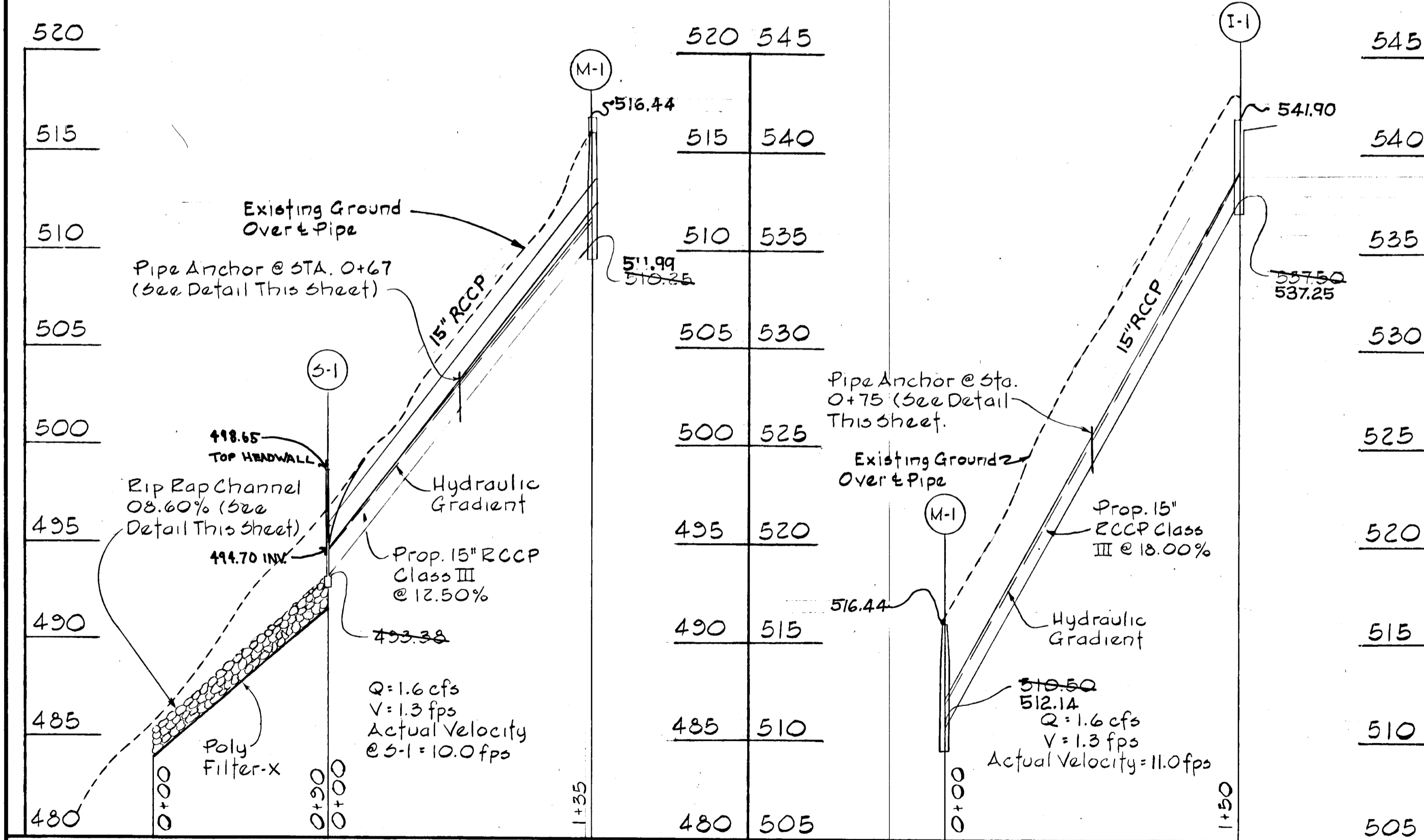
- GENERAL NOTES**
- All construction shown hereon shall be in accordance with the Howard County Road Construction Code and Standard Specifications dated November 27, 1962 and revised August 1967.
 - Reference to page and drawing numbers shown hereon are referred to the above mentioned Road Construction Code and Standard Specifications.
 - Design Speed - 30 miles per hour.
 - Contractor shall call "Miss Utility" (559-0100) a minimum of 3 days in advance of construction operations.
 - Elevations shown hereon are based on assumed datum.

SITE ANALYSIS

- Total area.....8.7 Ac.±
- Area to be graded.....0.6 Ac.±
- Area to be paved.....0.4 Ac.±
- Area to be revegetated.....0.2 Ac.±
- Undistributed area.....8.1 Ac.±

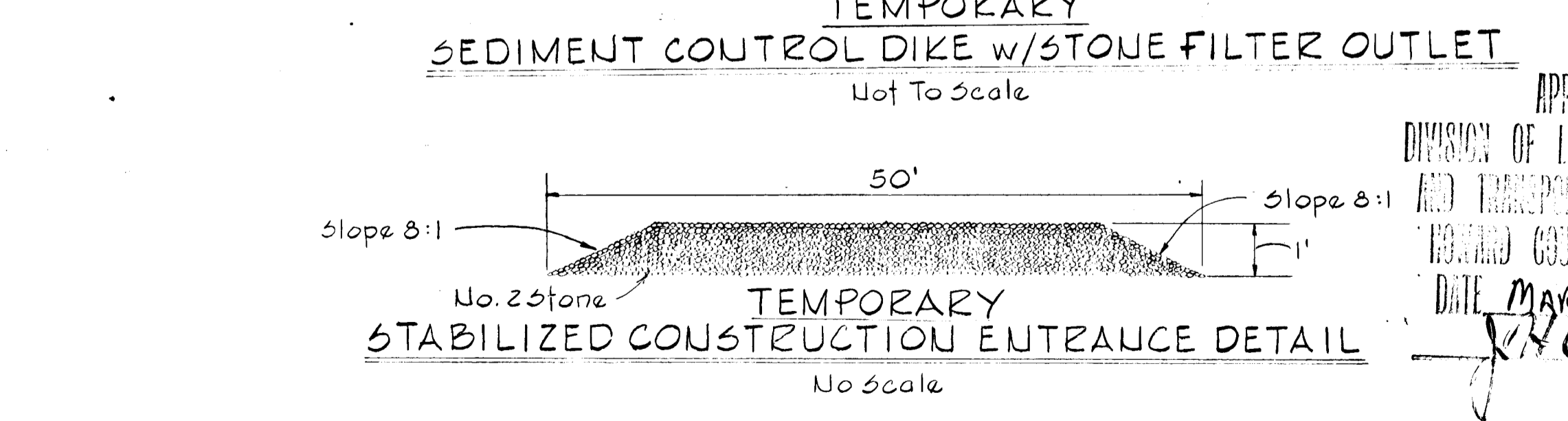
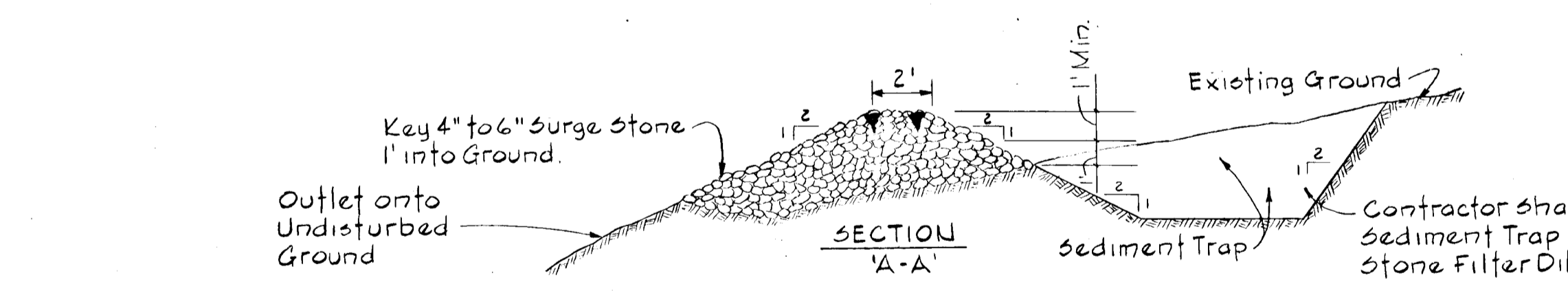
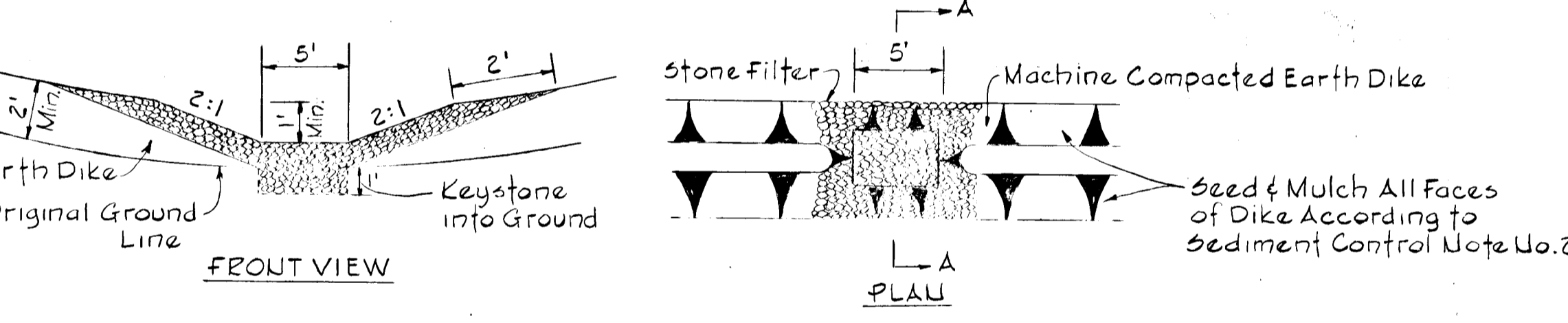
CONSTRUCTION SEQUENCE

- Place earth dike and stone filter downstream of S-1, place 3' straw bale dikes, seed & mulch.
- Begin preliminary grading
- Place road to subgrade creating stone dikes stabilized construction entrance across road right of ways at stations shown
- Install pipe @ S-1
- 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 the earth dike, stone filter, and trap @ S-1
- Stabilize the remaining disturbed areas



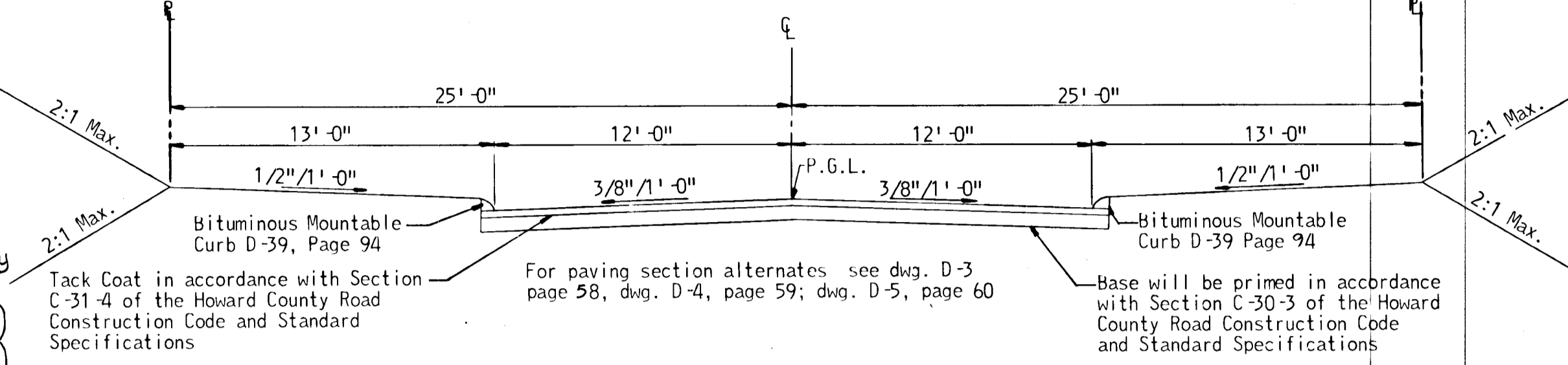
STRUCTURE SCHEDULE

STRUCTURE NO.	TYPE	INV. IN.	INV. OUT.	TOPELEV.	REMARKS
I-1	A-B		537.50	541.90	P.119-A Dwg. 64-A
M-1	Std.	510.50	510.25	516.00	P.158 Dwg. D-103
S-1	"C"		493.38	495.38	P.107 Dwg. D-52



KINGSTON COURT

DESIGN SPEED 30MPH
ZONED R-40

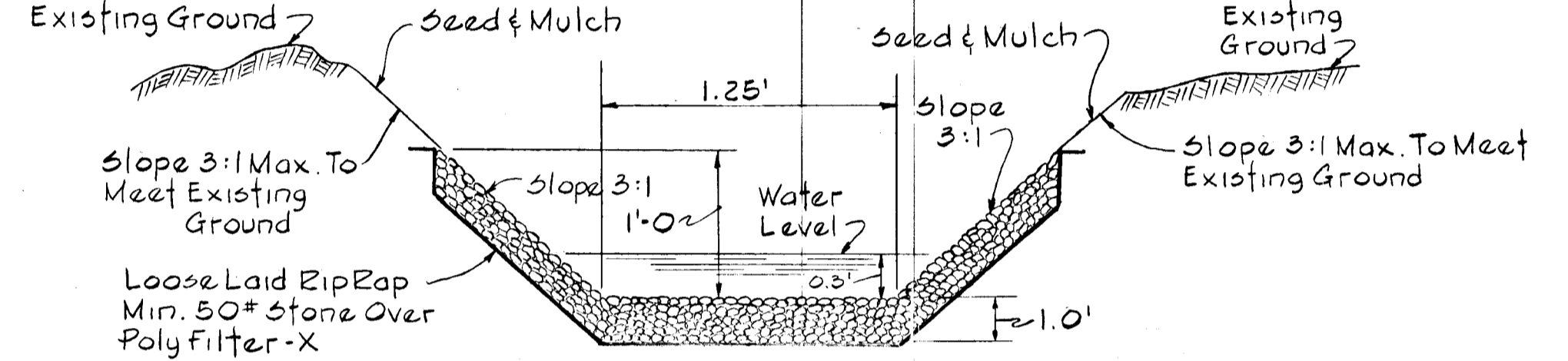


TYPICAL SECTION

No Scale

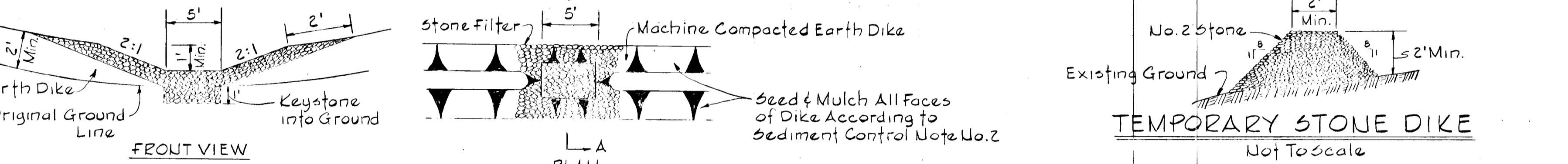
CHANNEL DESIGN DATA @ S-1

A = 0.65a'	V = 1.485 x R ^{2/3} x S ^{1/2}
P = 3.15'	V = 1.485 x 0.343 x 0.253
R = 2.06	V = 3.0 fps
R ^{2/3} = 0.343	Q = A x V
S = 8.60%	S = 0.165 x 3.0
S ^{1/2} = 0.293	Q = 2.0 cfs
n = 0.05	



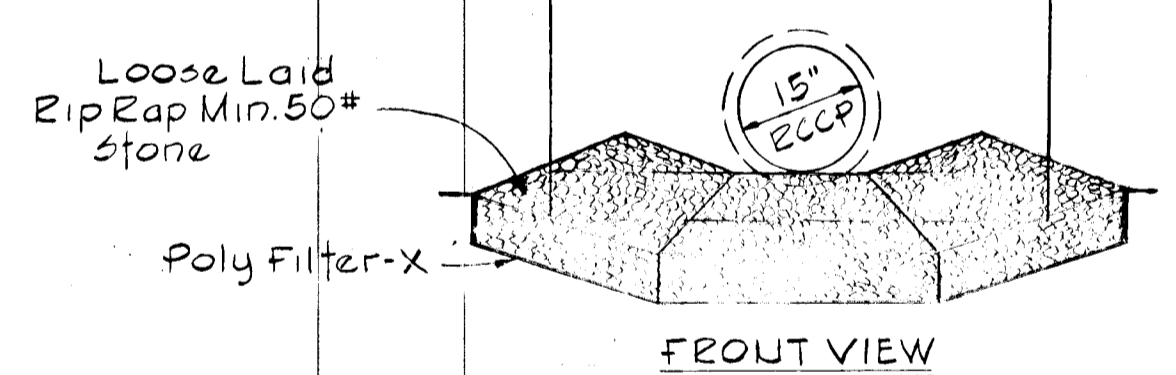
RIP RAP CHANNEL DETAIL @ S-1

No Scale

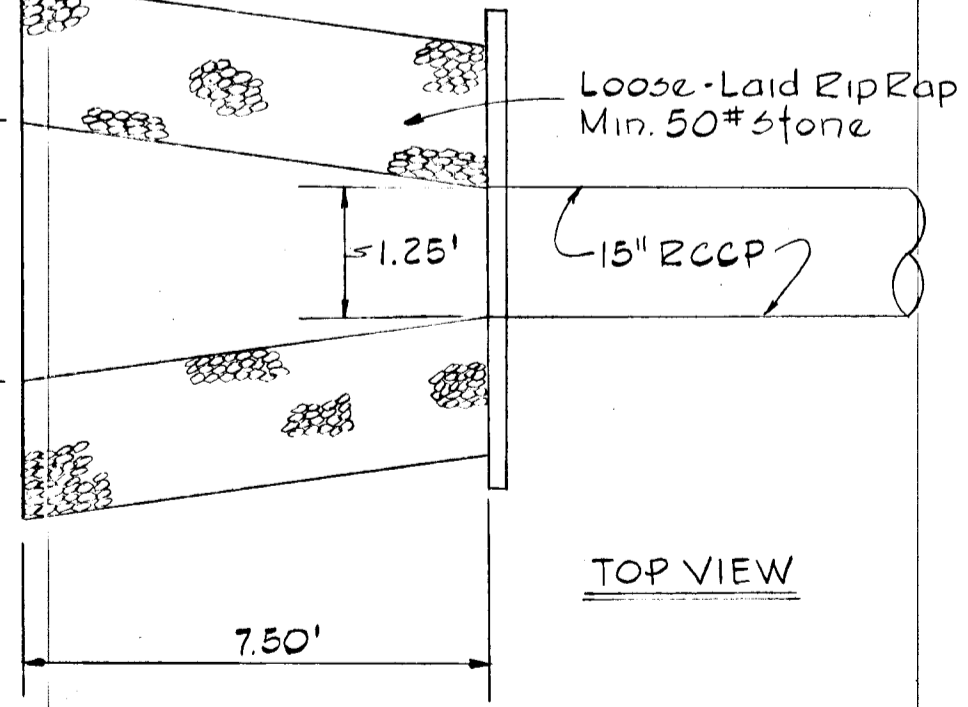


TEMPORARY STONE DIKE

Not To Scale



FRONT VIEW



TOP VIEW

RIP RAP CHANNEL @ S-1

No Scale

APPROVED: Department of Public Works
Francis H. McKeand
Francis H. McKeand 4/19/76
Chief, Bureau of Highways Date

APPROVED: Office of Planning and Zoning
Ray S. Weinel Jr.
Ray S. Weinel Jr. 4/13/76
Chief, Division of Land Development and Transportation Planning Date

STORM DRAIN AND SEDIMENT CONTROL DETAILS

KINGSTON

THIRD ELECTION DISTRICT SECTION 3 HOWARD COUNTY, MARYLAND
JANUARY 30, 1976 SCALE: As Shown

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS

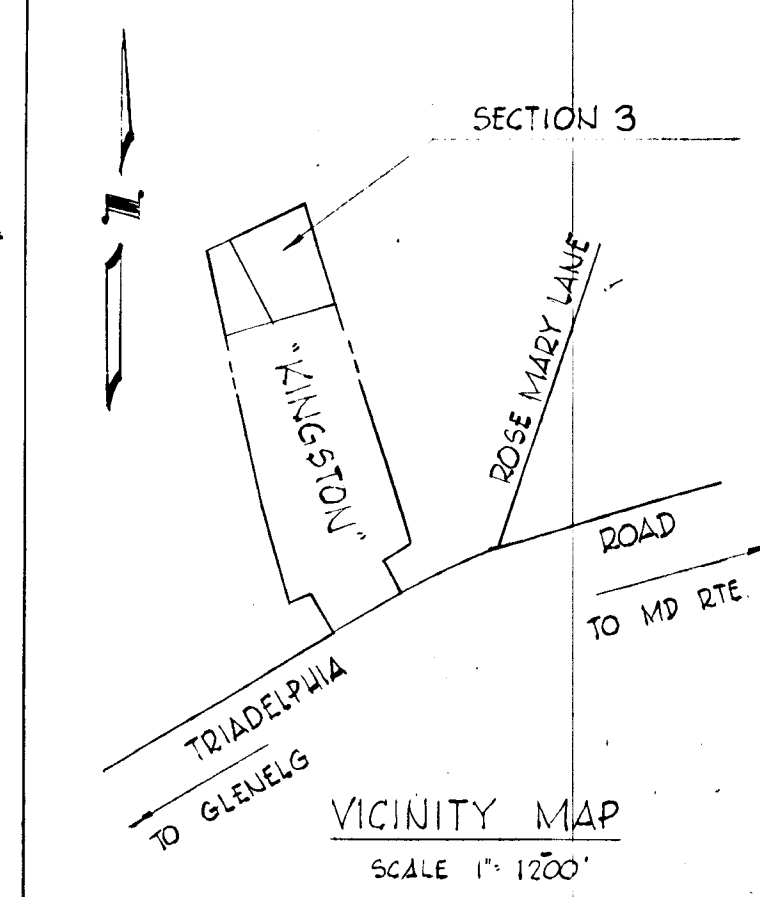
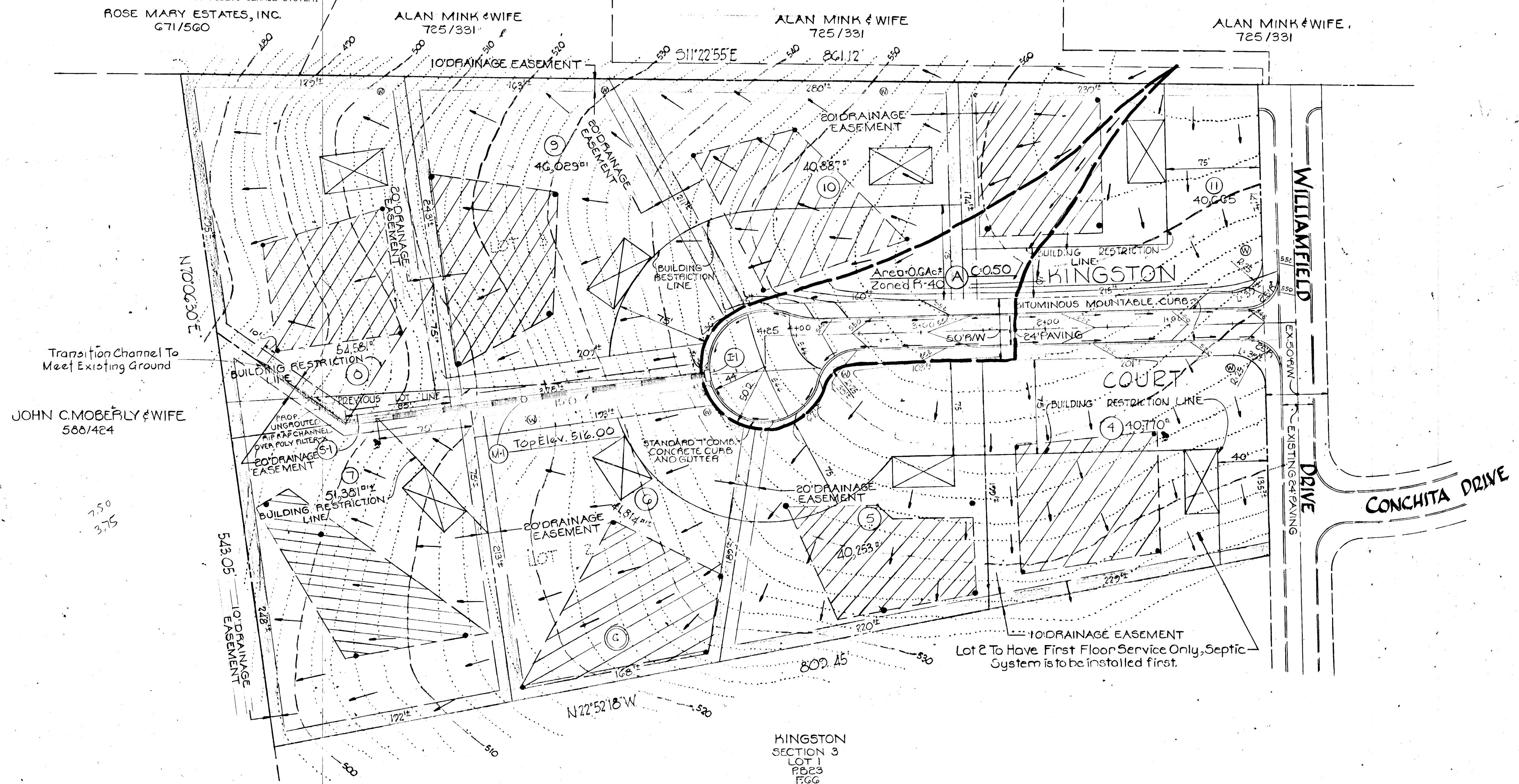
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE MARCH 12, 1976
Ray S. Weinel Jr.

OWNER AND DEVELOPER
JAMES W. KING, SR.
6567 FREETOWN ROAD
SIMPSONVILLE, MARYLAND 21150

DESIGNED BY: C.J. Crowe
DRAFTED BY: R.A. Zelinka
CHECKED BY: R.B. Carter
SHEET 2 OF 3

- LEGEND**
- ① DENOTES LOCATION OF WELL
 - DENOTES LOCATION OF TEST HOLE
 - ⊠ APPROXIMATE LOCATION OF DWELLINGS
 - ▨ 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. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURE CONSTRUCTED ON THESE BUILDING SITES. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM.



JOHN C. MOBERLY & WIFE
580/424

7.50
3.75

Lot 2 To Have First Floor Service Only, Septic System is to be installed first.

KINGSTON
SECTION 3
LOT 1
PDE3
FGG

GENERAL NOTES

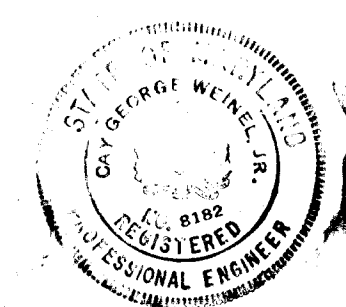
- TOTAL AREA - 8.754 Ac.
- AREA OF LOTS - 8.161 Ac.±
- AREA OF ROAD - 0.573 Ac.±
- PRESENT ZONING - R-40
- PRIVATE WATER AND SEWER SYSTEMS TO BE UTILIZED WITHIN THIS DEVELOPMENT
- TAX MAP 22 - PART OF PARCEL 152
- TOTAL NUMBER OF LOTS - 8

OWNER & DEVELOPER
James W. King Sr.
6867 Freetown Road
Simpsonville, Maryland 21150

PERCOLATION TEST DATA			
Lot No.	Block No.	Average percolation in minutes for second inch.	Maximum depth permitted for effluent pipe to enter disposal area at its high elevation with reference to existing grade at time of colation test.
2	C	17 MIN.	3 FT.
3	C	10 MIN.	4 FT.
4	C	15 MIN.	3 FT.
5	C	6 MIN.	3 FT.
6	C	3 MIN.	3 FT.
7	C	14 MIN.	4 FT.
8	C	9 MIN.	3 FT.
9	C	6 MIN.	3 FT.

APPROVED: FOR INDIVIDUAL SEWER AND PRIVATE WATER SYSTEM.
BRETT LAZAR, MD. COUNTY HEALTH OFFICER

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE MARCH 12, 1976



Carl S. Stein, P.E. 1-30-76

DRAINAGE AREA MAP
"KINGSTON"

SECTION 3

A RESUBDIVISION OF LOTS 2 AND 3, BLOCK C, SECTION THREE, KINGSTON
THIRD ELECTION DISTRICT HOWARD CO., MARYLAND
SEPTEMBER 3, 1975 SHEET 3 OF 3 SCALE 1"=50'

PURDUM & JESCHKE
ENGINEERS - SURVEYORS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND 21202

APPROVED: Department of Public Works
G. N. Deblund
Chief, Bureau of Highways

4/13/76
Date

APPROVED: Office of Planning and Zoning
J. H. Adams, Jr.
Chief, Division of Land Development and Transportation Planning

4/13/76
Date

As-Built June 8, 1978

F-76-