

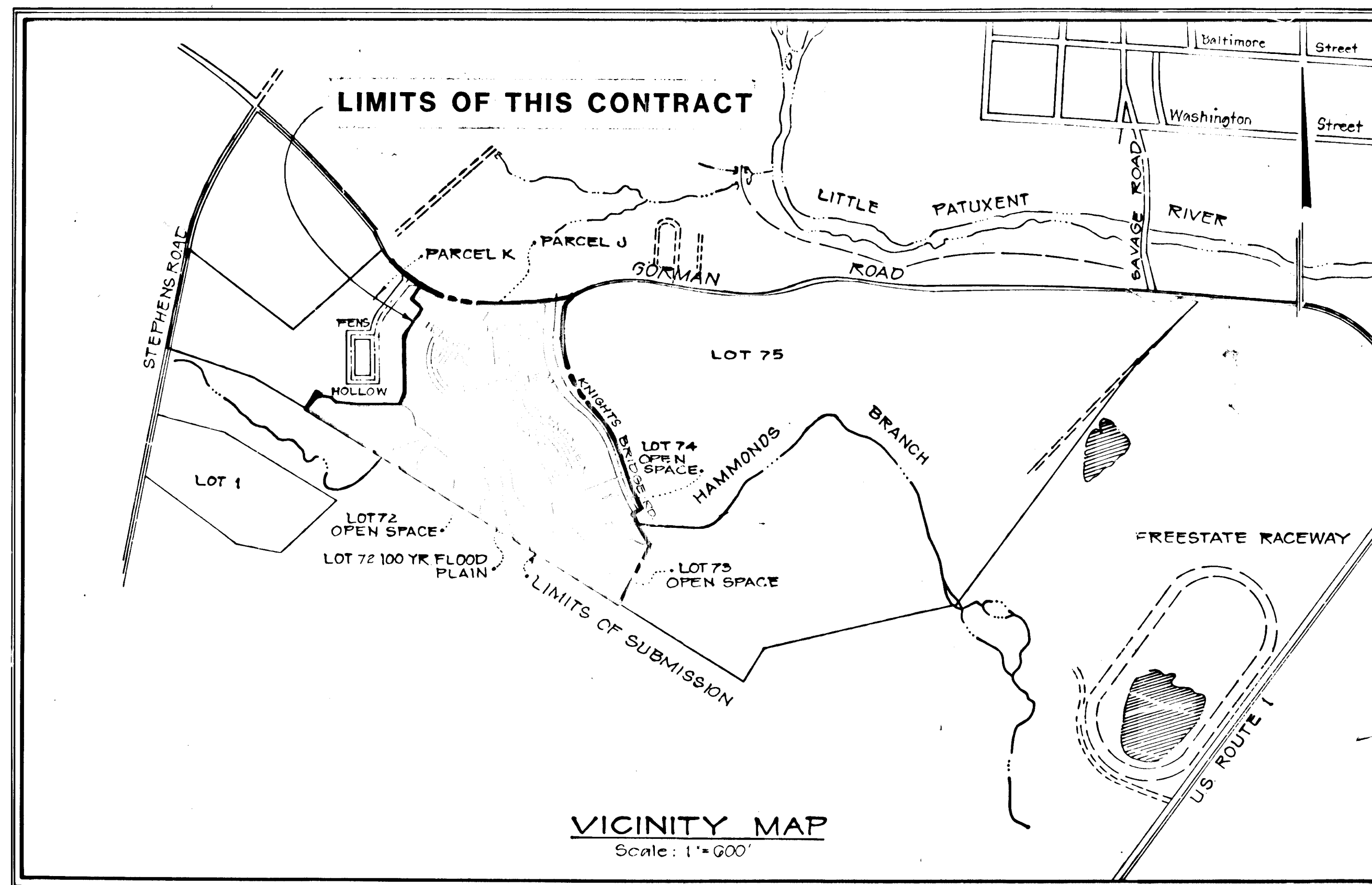
GENERAL NOTES

1. THE APPROXIMATE LOCATION OF ALL UTILITIES IS SHOWN BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL LOCATE, PROTECT AND SUPPORT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER/INSPECTOR, AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
3. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
STATE HIGHWAY ADMINISTRATION - 531-5533
BALTIMORE GAS & ELECTRIC COMPANY - 561-2585 (CONTRACTOR SERVICES)
BALTIMORE GAS & ELECTRIC COMPANY - 234-6313 (UNDERGROUND DAMAGE CONTROL)
BALTIMORE GAS & ELECTRIC COMPANY - 298-9013 (TROUBLE SHOOTING)
"MISS UTILITY" - 888-257-7777
CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
BUREAU OF UTILITIES/HOWARD COUNTY - 992-2366
4. ALL DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.
5. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND HOWARD COUNTY DESIGN MANUAL, VOLUME IV.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
7. TREES SHALL BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE. TREES SIX INCH (6") DIAMETER OR GREATER (MEASURED FOUR FEET (4') ABOVE EXISTING GRADE) ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL NOT BE REMOVED OR DAMAGED BY THE CONTRACTOR.
8. ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE PLANE COORDINATES SYSTEM PROVIDED BY HOWARD COUNTY.
9. TOPOGRAPHY TAKEN FROM MAPS PREPARED BY PHOTOGRAMMETRY BY "AERIAL SURVEYS" IN 1984. TOPOGRAPHY FIELD CHECKED 1986.
10. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
11. CLEAR ALL UTILITIES BY A MINIMUM OF 12" CLEAR, CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION AND SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION BACKFILL.
12. ALL PIPE BEDDING SHALL BE CLASS C.
13. ROAD RIGHT OF WAY INFORMATION IS SHOWN ON THE RECORD PLATS.
14. SPOT ELEVATIONS SHOWN ARE TOP OF CURB UNLESS OTHERWISE NOTED.
15. SHADED AREAS INDICATE WATER, SEWER, UTILITY, DRAINAGE AND ACCESS EASEMENT.

BOWLING BROOK FARMS

LOTS 72-211

SECTION I AREA 2



PAVING AND STORM DRAIN CONSTRUCTION PLAN

HOWARD COUNTY, MARYLAND

STRUCTURE SCHEDULE						
NO	TYPE	INV. IN	INV. OUT	UPPER END	LOWER END	HO. CO. STD. & LOCATION*
I-2	A-5 INLET	259.50	265.13	264.24	265.13	SD-4.02 8+27.14'R
I-3	A-10 INLET	268.25	273.88	272.99	273.88	SD-4.02 9+50.14'L
I-4	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 5+76.14'L
I-5	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 3+02.14'R
I-6	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02
I-7	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 22+87.32'L
I-8	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 22+87.32'R
I-9	YARD INLET					SD-4.14 Sec Plan
I-10	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 42+35.19'R
I-11	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 42+35.19'L
I-12	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 45+30.19'L
I-13	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 45+30.19'R
I-13A	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 48+09.30'R
I-14	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 15+08.15'L
I-15	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 15+08.15'R
I-16	A-5 INLET	278.75	284.38	283.49	284.38	SD-4.01 17+08.14'L
I-17	A-5 INLET	278.75	284.38	283.49	284.38	SD-4.01 17+08.14'R
I-18	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 0+45.14'L
I-19	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 0+47.14'L
I-20	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 4+98.32'L
I-21	A-10 INLET	278.75	284.38	283.49	284.38	SD-4.02 5+75.32'L
E-2	FLARED END SECT	278.75				SD-551 Sec Plan
E-3	FLARED END SECT	278.75				SD-551 Sec Plan
MH-2A	MANHOLE	278.75	278.75	278.75	278.75	
MH-2	MANHOLE	278.75	278.75	278.75	278.75	SD-G512 24+43.22'L
MH-3	MANHOLE	278.75	278.75	278.75	278.75	SD-G512 6cc Plan
MH-4	MANHOLE	278.75	278.75	278.75	278.75	SD-G512 17+30.19'L
MH-5	MANHOLE	278.75	278.75	278.75	278.75	SD-G512 Sec Plan
MH-6	MANHOLE	278.75	278.75	278.75	278.75	SD-G513 41+43.05'R
I-22	A-5 INLET	278.75	284.38	283.49	284.38	SD-4.02 53+77.36'R
I-23	A-5 INLET	278.75	284.38	283.49	284.38	SD-4.02 53+77.36'L
I-36	A-5 INLET W/O	278.75	284.38	283.49	284.38	SD-4.02 0+96.22'R

* STRUCTURE LOCATION IS TO FACE OF CURB
 ** STRUCTURE WIDTH SHALL BE 2'-0" UNLESS NOTED OTHERWISE
 ① - STRUCTURE WIDTH SHALL BE 3'-0" UNLESS NOTED OTHERWISE
 ② - STRUCTURE WIDTH SHALL BE 3'-6" UNLESS NOTED OTHERWISE

LEGEND

STORM DRAIN PROPOSED & PROPOSED R/W

LIMITS OF SUBMISSION EASEMENT

HC HANDICAP PKG SPACE
 FLARED END SECTION HANDICAP RAMP
 HCR

□ 250 WATT MERCURY VAPOR LAMP PENDANT MOUNTED ON 30 FOOT GALVANIZED STEEL POLE
 ● 175 WATT MERCURY VAPOR LAMP POST TOP FIXTURE ON 14 FOOT GRAY FIBERGLASS POLE

DIA.	MATERIAL	CLASS	LENGTH (FD)
15"	RCP	IV	63
15"	RCP	V	694
18"	RCP	III	307
18"	RCP	IV	118
18"	RCP	V	44
21"	RCP	IV	250
24"	RCP	III	—
24"	RCP	IV	734
27"	RCP	III	50
36"	RCP	III	54

- NOTES:
1. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO PLANTING (SEE NOTE #3 ON SHEET #1).
 2. ALL PLANT MATERIAL AND PLANTING SHALL BE IN ACCORDANCE WITH "AMERICAN STANDARD FOR NURSERY STOCK" BY THE A.A.N.
 3. SUBSTITUTIONS MAY BE PERMITTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT. (762-2220).
 4. PLACE "GREEN VASE ZELKOVA" AND "SUMMER SHADE MAPLE" AT RADIUS POINTS ON THE *PARKING ISLANDS AND 5' BEHIND THE SIDEWALK ALONG THE ROADWAYS.
 5. PLACE "REGENT SCHOLAR TREE", "GREENSPIRE LINDEN", AND "HEDGE MAPLE" 3' BEHIND SIDEWALK.

KEY	PLANT NAME	SIZE	QUANTITY	REMARKS
Z	ZELKOVA SERRATA "GREEN VASE"	2 1/2"-3" CAL		B & B
Z	GREEN VASE ZELKOVA	12-14' HT.		
P	ACER PLATANOIDES "SUMMERSHADE"	SUMMER SHADE MAPLE		
S	SOPHORA JAPONICA "REGENT"	REGENT SCHOLAR TREE		
T	TILIA CORDATA "GREENSPIRE"	GREENSPIRE LINDEN		
C	ACER CAMPESTRE	HEDGE MAPLE		

SHEET #	DESCRIPTION
1	TITLE SHEET
2	PAVING AND STORM DRAINAGE - HORSHAM DRIVE
3	PAVING AND STORM DRAINAGE - HADLEIGH COURT
4	PAVING AND STORM DRAINAGE - GLENDOWER COURT
5	PAVING AND STORM DRAINAGE - KNIGHTS BRIDGE ROAD
6	PAVING AND STORM DRAINAGE - KNIGHTS BRIDGE ROAD
7	STORM DRAIN PROFILES
8	STORM DRAIN PROFILES
9	DRAINAGE AREA MAP
10	PAVING AND STORM DRAINAGE SECTIONS AND DETAILS
11	PAVING AND STORM DRAINAGE CONTROL PLAN - DETAIL SHEET
12	EROSION AND SEDIMENT CONTROL PLAN - HORSHAM DRIVE AND HADLEIGH COURT
13	EROSION AND SEDIMENT CONTROL PLAN - KNIGHTS BRIDGE ROAD
14	EROSION AND SEDIMENT CONTROL PLAN - GLENDOWER COURT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John W. M... 11-6-87
 Chief, Division of Land Development & Zoning Administration

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

James W. Helm 11-5-87
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED: *Stefan L. Faden 11/4/87*
 HOWARD SCD DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Michael F. F... 11-6-87
 Chief, Land Development Division Date

James W. Weareana 11/12/87
 Chief, Bureau of Highways Date

Michael F. F... 11-9-87
 Chief, Bureau of Engineering Date

OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT DEVELOPMENT CORPORATION
 118 WEST ROAD, SUITE 203
 TOWSON, MARYLAND 21284
 (801) 321-6436

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	AS-BUILT REVISIONS	5/6/91		
2	PARCEL JACK	6/20/91		
3	REVISION FOR 11/20/87	11/20/87		
4	REVISION FOR 11/21/87	11/21/87		
5	REVISION FOR 11/21/87	11/21/87		

REVISION

TITLE SHEET

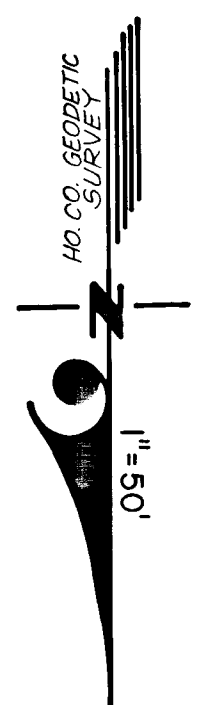
PROFESSIONAL SEAL

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 Fairfax, Va./Bridgewater, Va./Leesburg, Va./Rockville, Md./Tidewater, Va.

BOWLING BROOK FARMS
 SECTION I, AREA 2
 LOTS 72 THRU 211
 A RESUBDIVISION OF BOWLING BROOK, LOT 2
 TAX MAP 47 PARCEL M1
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

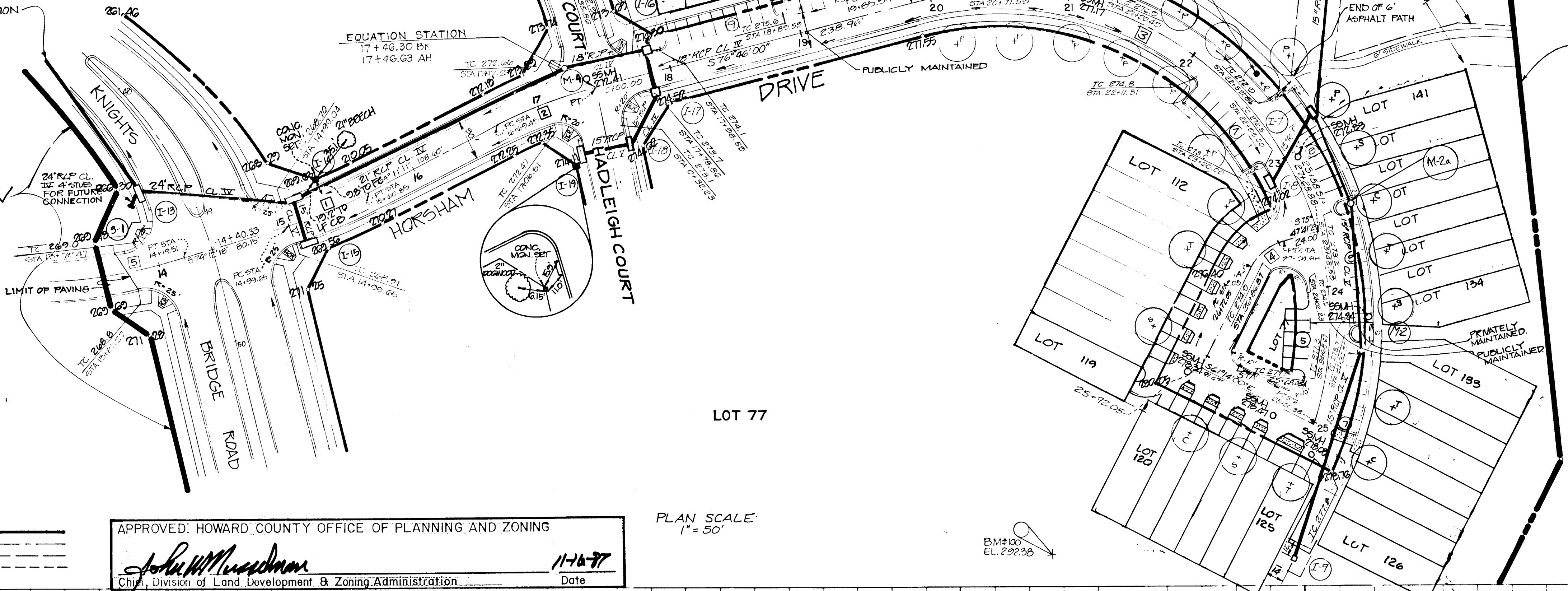
SURVEY 04/11
 DESIGN 3-9-87
 DRAWN GES
 CHECKED
 SCALE FILE NO. 2184-1-0
 C.L. AS SHOWN

CURVE NO.	PC TO PT	RADIUS	ARC LENGTH	TAN	CHORD	BEARING
1	14+99.65 to 15+60.85	350.00	10 01'07"	61.20	30.68	S69 11'44"W
2	16+69.45 to 17+46.30	350.00	12 34'49"	76.85	77.00	S70 28'35"W
3	19+85.59 to 25+00.38	240.00	122 53'53"	514.79	441.09	N41 47'04"W
4	26+72.05 to 27+04.88	400.00	47 01'41"	32.83	17.40	S52 16'51"W
5	12+29.50 to 14+19.51	400.00	27 13'01"	190.01	96.83	S87 48'48"W



LIMITS OF SUBMISSION

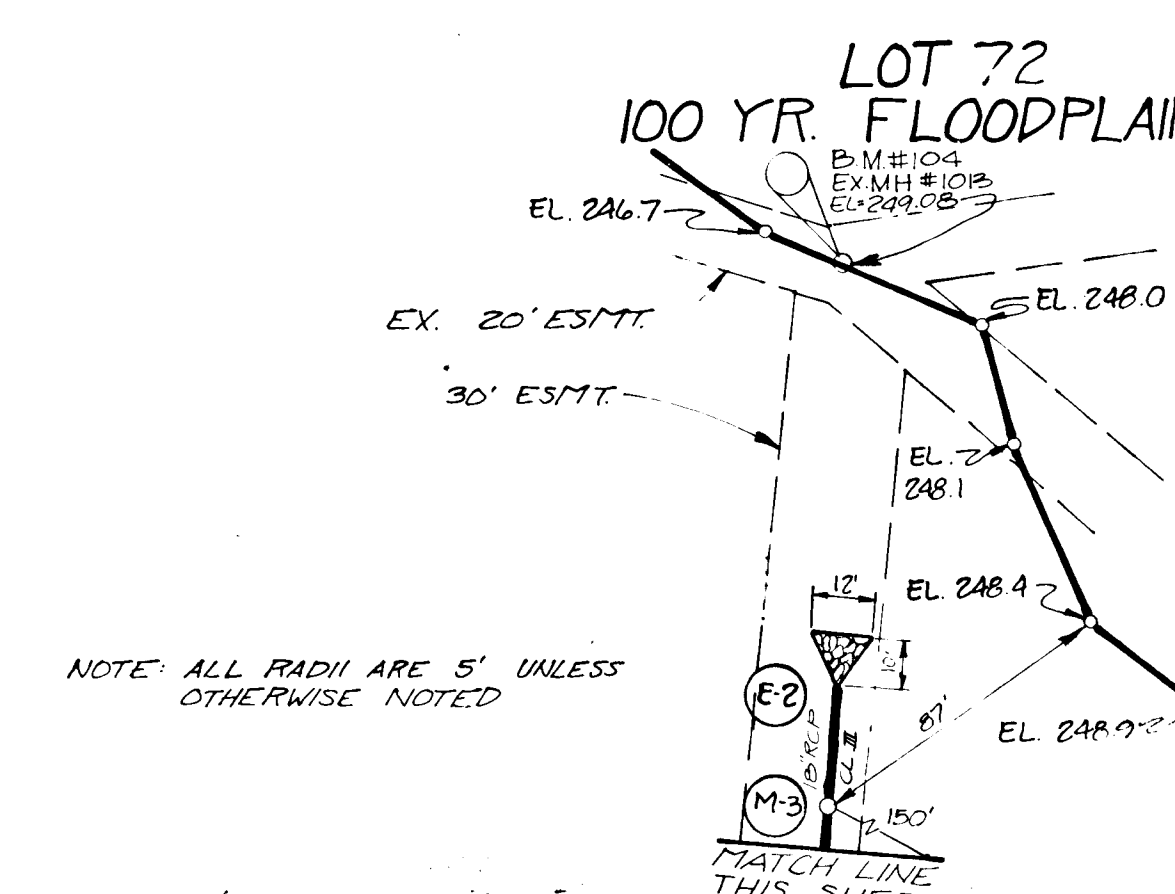
SEE SHEET 6 FOR CONTINUATION



LIMITS OF SUBMISSION

B.M.#100
R.R. SPIKE IN 18" SWEET GUM TREE
LOCATED BETWEEN Δ1023 & Δ1024
ABOUT 80' SOUTH OF GORMAN RD.

B.M.#104
CHISELED X IN RIM OF EXISTING
M.H.#1013



NOTE: ALL RADII ARE 5' UNLESS OTHERWISE NOTED

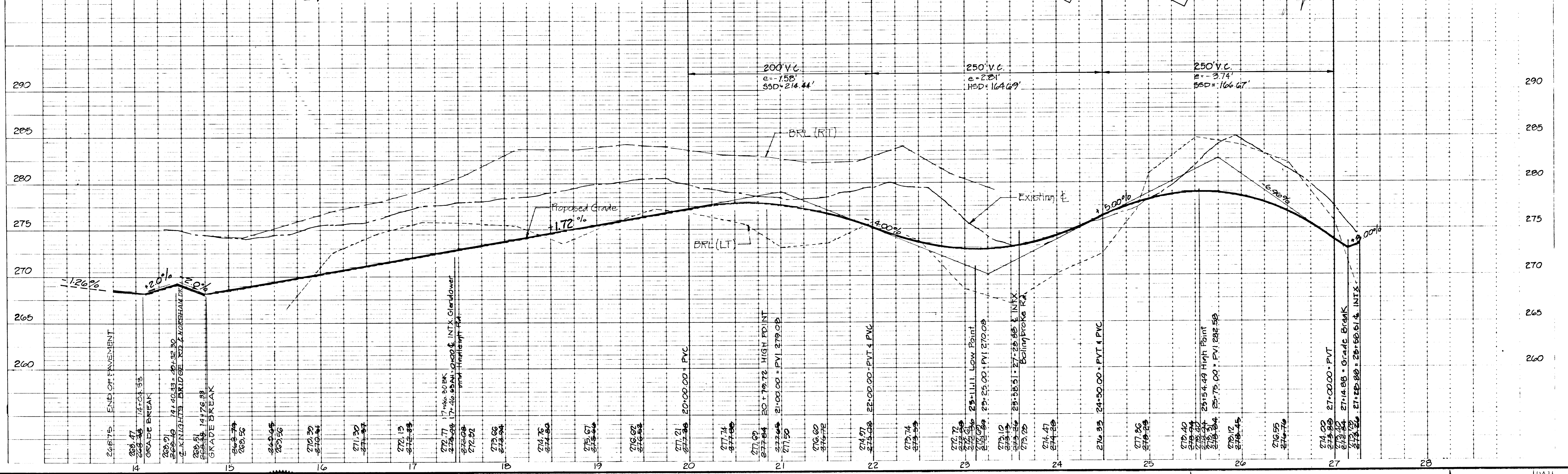
PROFILE SCALE:
HORIZ: 1" = 50'
VERT: 1" = 5'

PROFILE LEGEND:
Profile Grade Line
Existing &
B.R.L. (Rt)
B.R.L. (Lt)

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John M. Muscardin
Chief, Division of Land Development & Zoning Administration
Date: 11-16-77

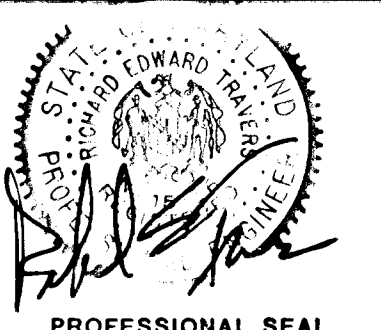
PLAN SCALE:
1" = 50'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Chief, Land Development Division
Travis W. Weiland
Chief, Bureau of Highways
Michael F. [Signature]
Chief, Bureau of Engineering
Date: 11/12/87



1271

NO.	DESCRIPTION	DATE	APPROVED	DATE
D	AS-BUILT REVISIONS			3/6/91
C	REVISIONS			8/20/87
B	REVISIONS			9/26/87
A	REVISIONS			3/27/87



REVISOR
PAVING & STORM DRAINAGE CONSTRUCTION PLANS
HORSHAM DRIVE
BOWLING BROOK FARMS

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place Rockville, Md. 20855 (301) 762-2220

BOWLING BROOK FARMS
SECTION 1, AREA 2
LOTS 72 THRU 211
A RESUBDIVISION OF BOWLING BROOKE, LOT 2
TAX MAP 47 PARCEL 141
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY	DATE
DESIGN	3/9/87
DRAWN	SHEET
JDW	2 OF 14
CHECKED	SCALE AS SHOWN
JPC	C.I.
FILE NO.	
2184-1-0	

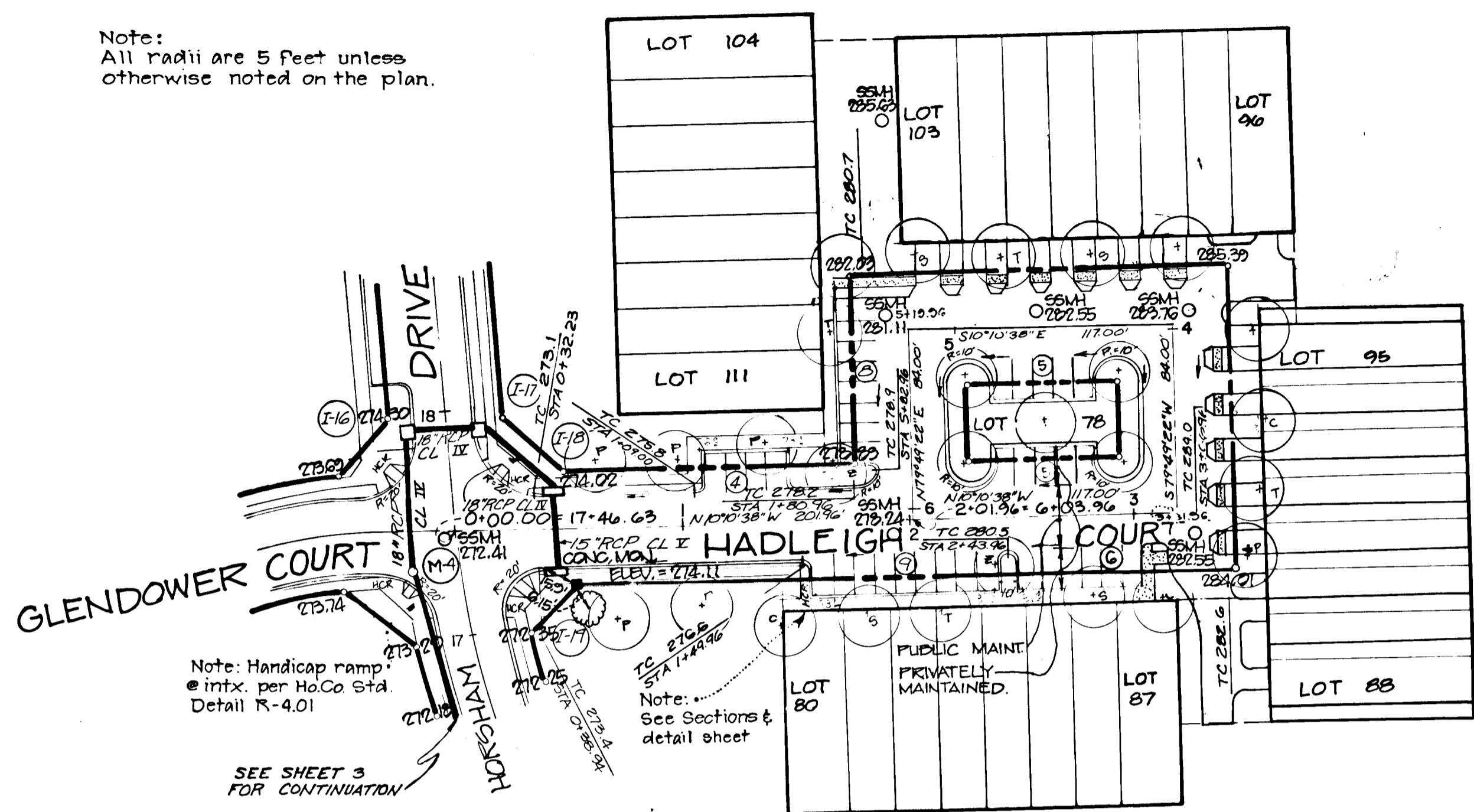
AS-BUILT F-88-45



Note:
All radii are 5 feet unless
otherwise noted on the plan.

BM#100
EL. 292.28

B.M.#100
R.R. SPIKE IN 18" SWEET GUM TREE
LOCATED BETWEEN Δ 1023 & Δ 1024
ABOUT 80' SOUTH OF GORMAN RD.



Note: Handicap ramp
@ Intx. per Ho.Co Std
Detail R-4.01

Note:
See Sections &
detail sheet

SEE SHEET 3
FOR CONTINUATION

PROFILE SCALE:
HORIZ: 1" = 80'
VERT: 1" = 5'

PROFILE LEGEND:
Profile Grade Line
Existing &
B.R.L. (Rt.)
B.R.L. (Lt.)

PLAN SCALE:
1" = 50'

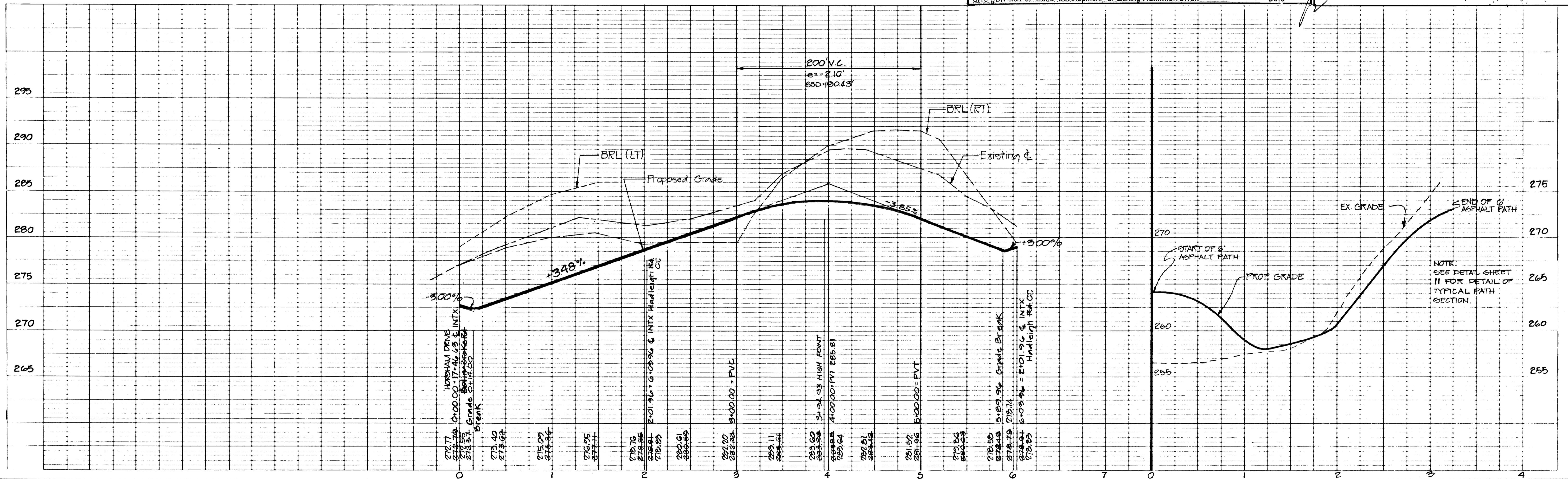
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John Marchion
Chief, Division of Land Development & Zoning Administration

11/16/87
Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Michael J. ...
Chief, Land Development Division
Dravella W. Weiland
Chief, Bureau of Highways
Phillip L. ...
Chief, Bureau of Engineering



NOTE:
SEE DETAIL SHEET
II FOR DETAIL OF
TYPICAL PATH
SECTION.

277

NO.	DESCRIPTION	DATE	APPROVED	DATE
E	AS-BUILT REVISIONS	BP		5/6/91
D	REVISED LOT LINES & ADDED DIMENSIONS			5/14/87
C	REVISED FOR UTILITY PARCEL LINES			8/20/87
B	REVISED FOR HO CO REVIEW COMMENTS			9/24/87
A	REVISED 60' ADDED & LAYOUT INFO.			2/17/87



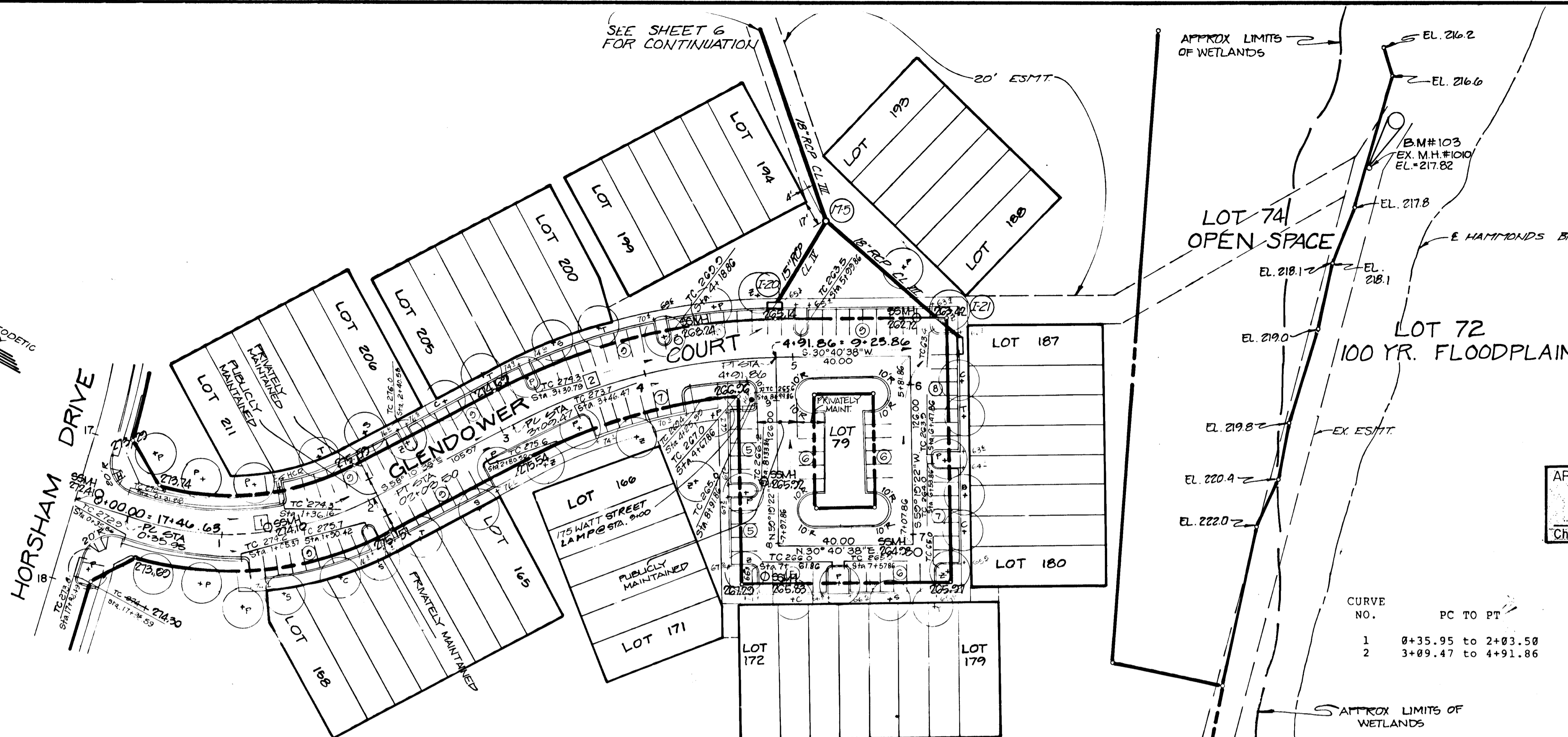
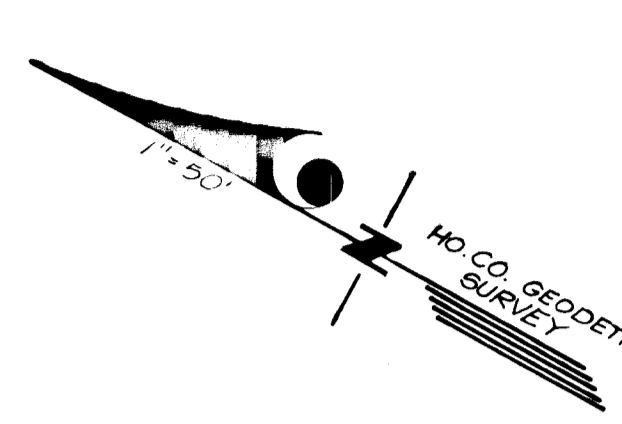
PAVING & STORM DRAINAGE CONSTRUCTION PLANS
HADLEIGH COURT
BOWLING BROOK FARMS

Patton Harris Rust and Associates
A Professional Corporation
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7609 Standish Place Rockville, Md. 20855 (301) 762-2220

BOWLING BROOK FARMS
SECTION 1, AREA 2
LOTS 72 THRU 211
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
TAX MAP 47 PARCEL 141
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY	DATE
DESIGN	3/7/87
DRAWN JDW/PA	SHEET
CHECKED JPC	3 OF 14
SCALE AS SHOWN	FILE NO.
C.I.	2184-1-C

AS-BUILT F-88-45



B.M.#103
CHISELED X IN RIM OF EXISTING
M.H.#1010

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John M. Marchman
Chief, Division of Land Development & Zoning Administration
Date: 11-16-87

CURVE DATA

CURVE NO.	PC TO PT	RADIUS	Δ	ARC LENGTH	TAN	CHORD	BEARING
1	0+35.95 to 2+03.50	200.00	48°00'00"	167.55	89.05	162.69	S34°10'38"E
2	3+09.47 to 4+91.86	380.00	27°30'00"	182.39	92.99	188.64	S44°25'38"E

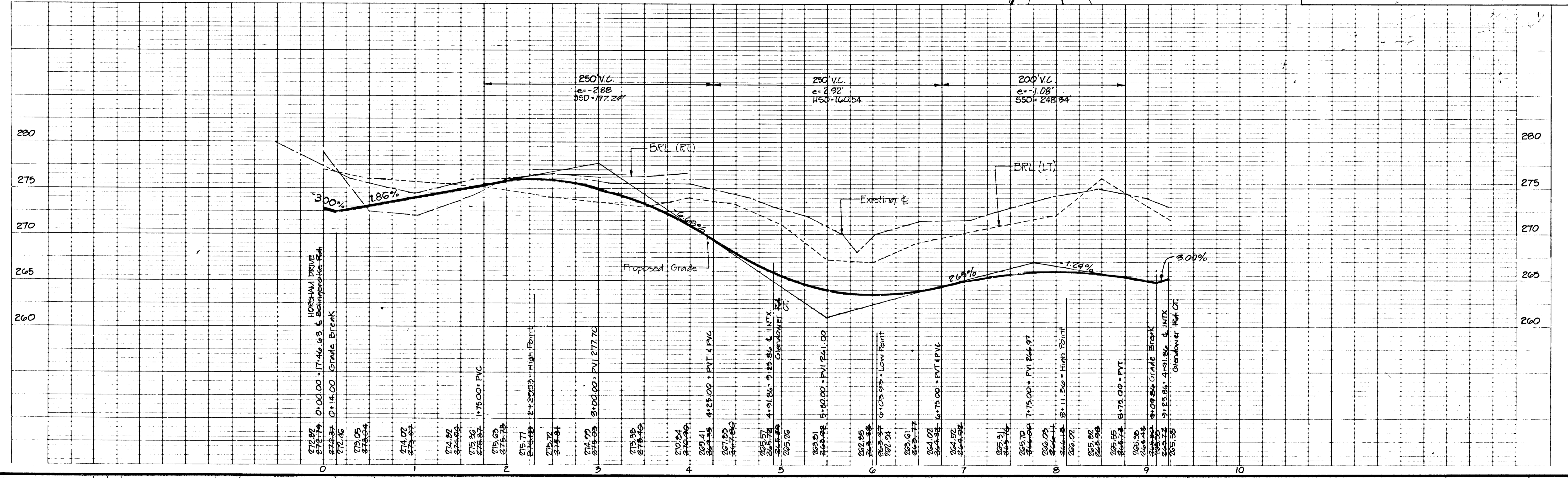
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Michael V. F.
Chief, Land Development Division
Date: 11/12/87
Drayton W. Weiland
Chief, Bureau of Highways
Date: 11/12/87
Michael V. F.
Chief, Bureau of Engineering
Date: 11/12/87

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

PROFILE LEGEND:
Profile Grade Line
Existing &
B.R.L. (Rt)
B.R.L. (Lt)

PLAN SCALE: 1" = 50'

NOTE: ALL CURB RADII 500' UNLESS NOTED OTHERWISE.



NO.	DESCRIPTION	DATE	APPROVED	DATE
D	AS-BUILT REVISIONS	EP		3/6/91
C	REVISED FOR SPLIT PARCELS			3/20/87
B	REVISED FOR NO. CO. REVIEW COMMENTS			9/26/87
A	REVISED FOR ADDED & LAYOUT INFO			3/17/87



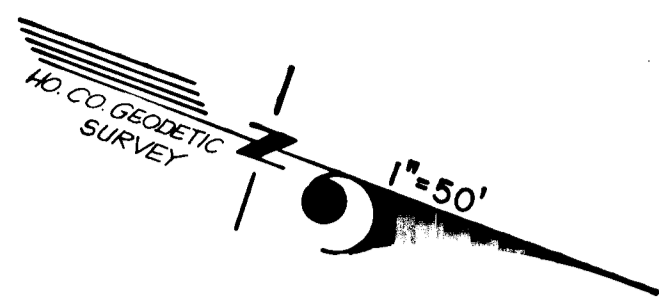
REVISION APPROVED BY

PAVING & STORM DRAINAGE CONSTRUCTION PLANS
GLEN DOWER COURT
BOWLING BROOK FARMS

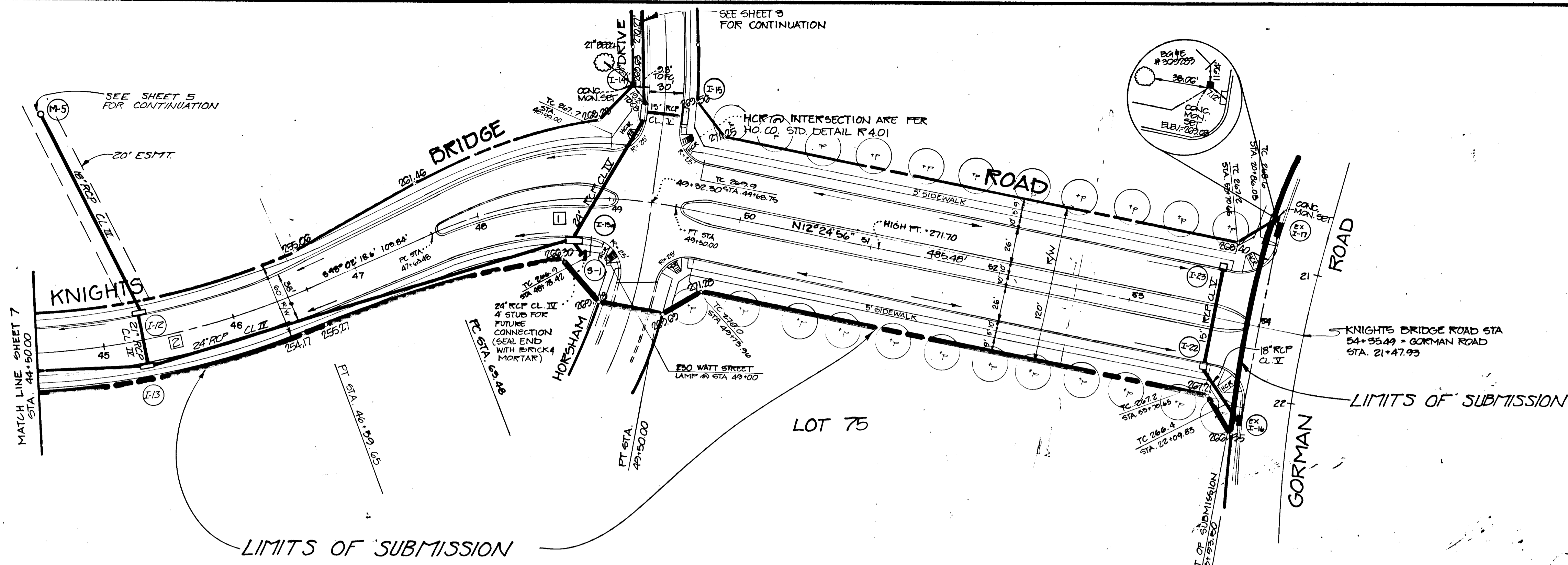
Patton Harris Rust and Associates
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Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place Rockville, Md. 20855 (301) 762-2220

BOWLING BROOK FARMS
SECTION 1, AREA 2
LOTS 72 THRU 211
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
TAX MAP 47 PARCEL 141
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY	DATE
DESIGN	3/9/87
DRAWN J.C.W.	SHEET
CHECKED J.P.C.	4 OF 14
SCALE AS SHOWN	FILE NO.
C.I.	2184-1-0



CURVE DATA							
CURVE NO.	PC TO PT	RADIUS	ARC LENGTH	TAN	CHORD	BEARING	
1	47+63.48 to 49+50.00	300.00	35°37'22"	186.52	96.39	N30°37'22"W	
2	43+82.14 to 46+59.65	600.00	26°30'00"	277.51	141.28	N34°47'19"W	
3	40+13.03 to 42+13.03	650.00	17°37'46"	200.00	100.80	N30°21'12"W	



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

PROFILE LEGEND:
Profile Grade Line
Existing &
BRL (RT)
BRL (LT)

B.M.#102
R.R. SPIKE IN 20" TULIP POPLAR
40° NORTHEAST OF Δ1072

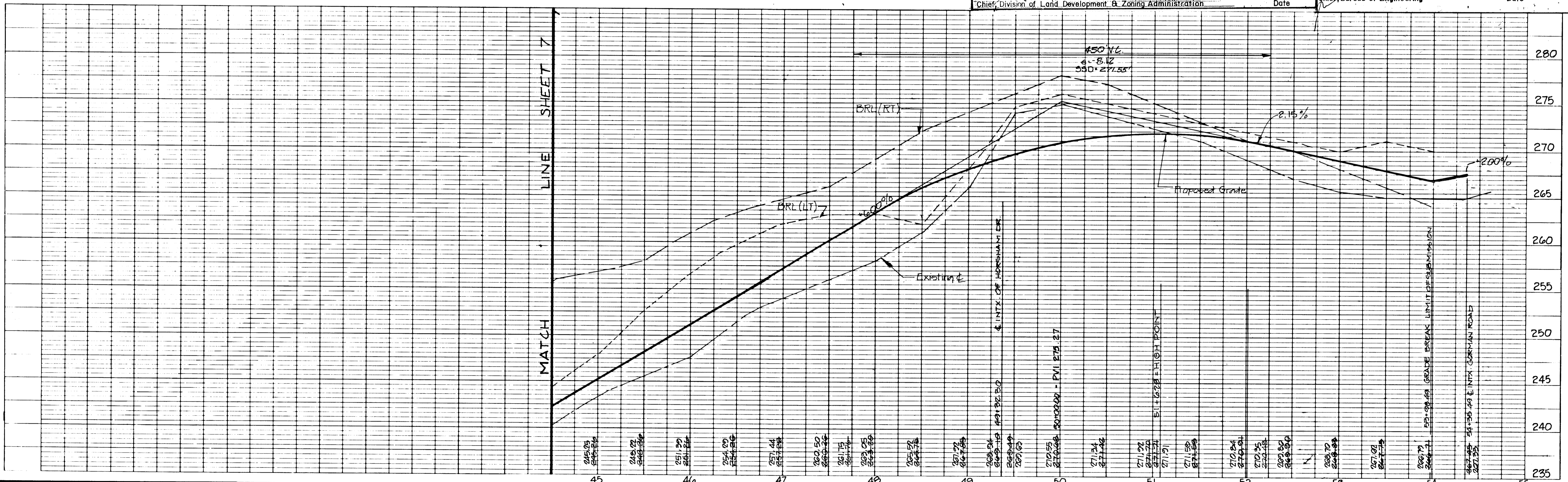
PLAN SCALE:
1" = 50'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John W. Marchman
Chief, Division of Land Development & Zoning Administration
Date: 11/16/87

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William L. P.
Chief, Land Development Division
Date: 11/12/87

William W. Wehner
Chief, Bureau of Highways
Date: 11/12/87

Hubert L. P.
Chief, Bureau of Engineering
Date: 11/12/87



NO.	DESCRIPTION	DATE	APPROVED	DATE
D	AS-BUILT REVISIONS	5/6/91		
C	REVISED TO SPLIT PAVED LANE	5/2/89		
P	REVISED FOR H.C. REVIEW COMMENTS	5/26/87		
A	REVISED AND ADDED LAYOUT INFO	3/27/87		



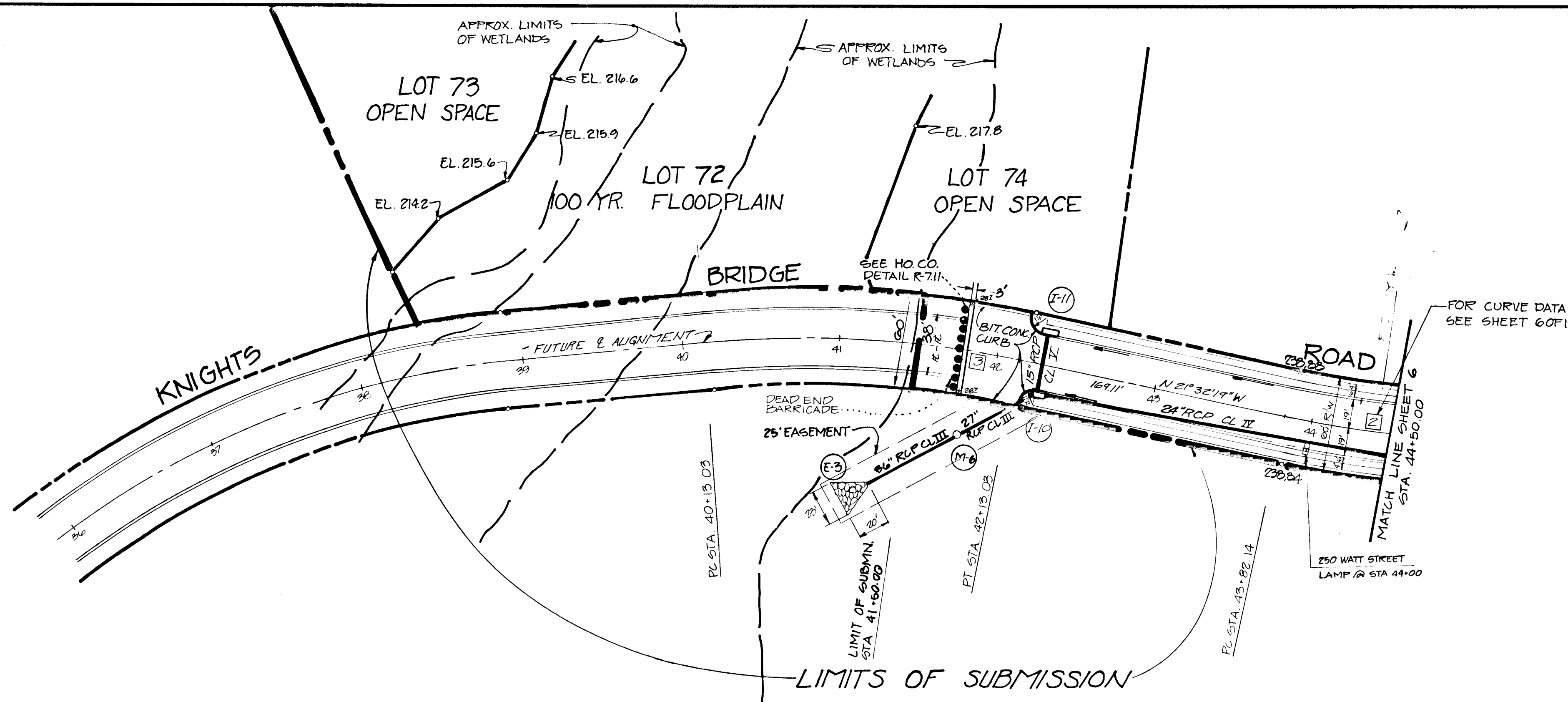
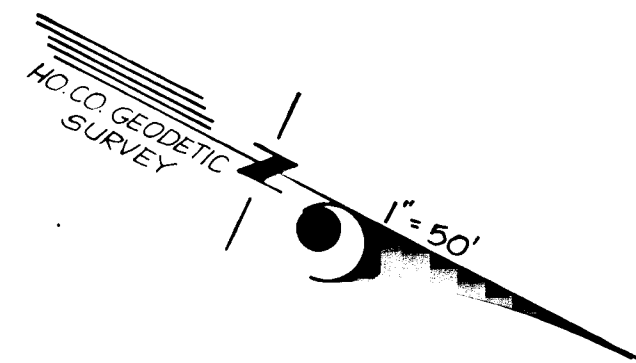
REVISION APPROVED BY

PAVING & STORM DRAINAGE CONSTRUCTION PLANS
KNIGHTS BRIDGE ROAD
BOWLING BROOK FARMS

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place, Rockville, MD 20855 (301)762-2220

BOWLING BROOK FARMS
SECTION 1, AREA 2
LOTS 72 THRU 211
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
TAX MAP 47 PARCEL 141
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY DATE: 3/9/87
DESIGN DATE: 3/9/87
DRAWN: JDW
CHECKED: RET
SCALE: AS SHOWN
FILE NO.: 2184-1-0



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

PROFILE LEGEND:
 Profile Grade Line
 Existing &
 B.R.L. (RT.)
 B.R.L. (LT.)

PLAN SCALE:
 1"=50'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John W. Munchman
 Chief, Division of Land Development & Zoning Administration

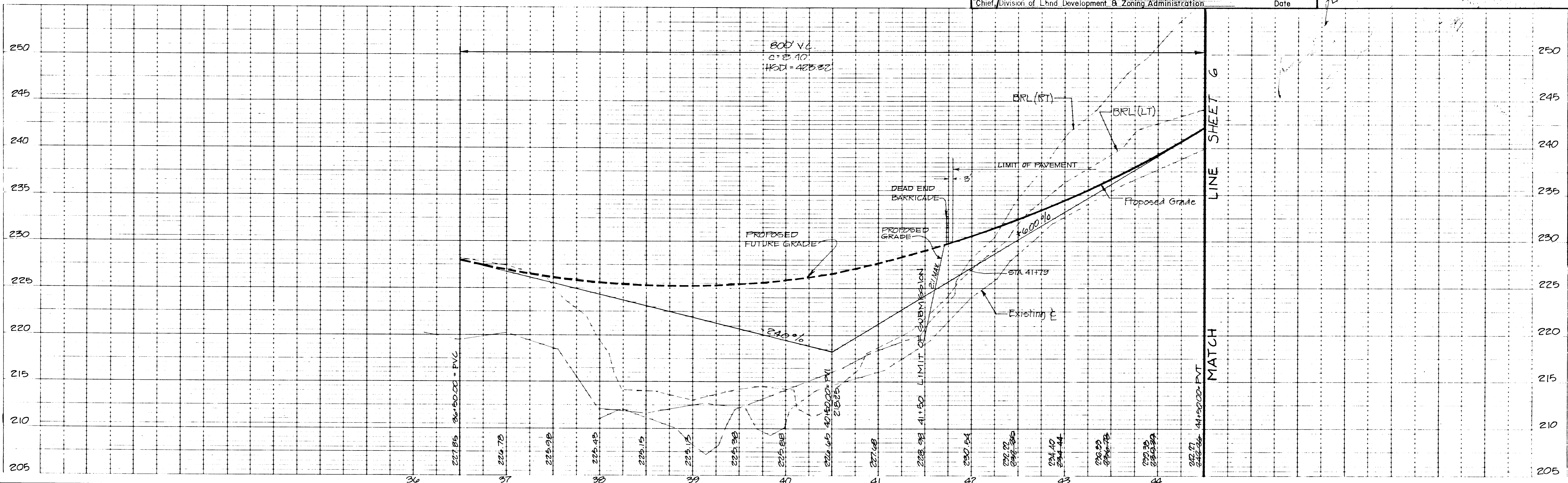
11-16-87
 Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Pravica W. W. W.
 Chief, Land Development Division
 Date 11/12/87

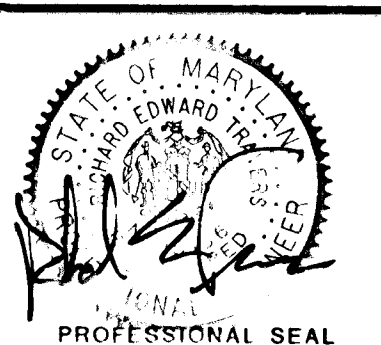
Pravica W. W. W.
 Chief, Bureau of Highways
 Date 11/16/87

Pravica W. W. W.
 Chief, Bureau of Engineering
 Date



127

NO.	DESCRIPTION	DATE	APPROVED	DATE
D	AS-BUILT REVISIONS	08/01		5/6/91
C	REVISIONS TO CIVIL	3/20/87		
B	PARCEL J.R.R.	2/26/87		
A	REVISIONS FOR H.C.	2/26/87		
	REVIEW COMMENTS	2/26/87		
	REVISIONS ADDED	2/27/87		
	LAUNCH INFO			



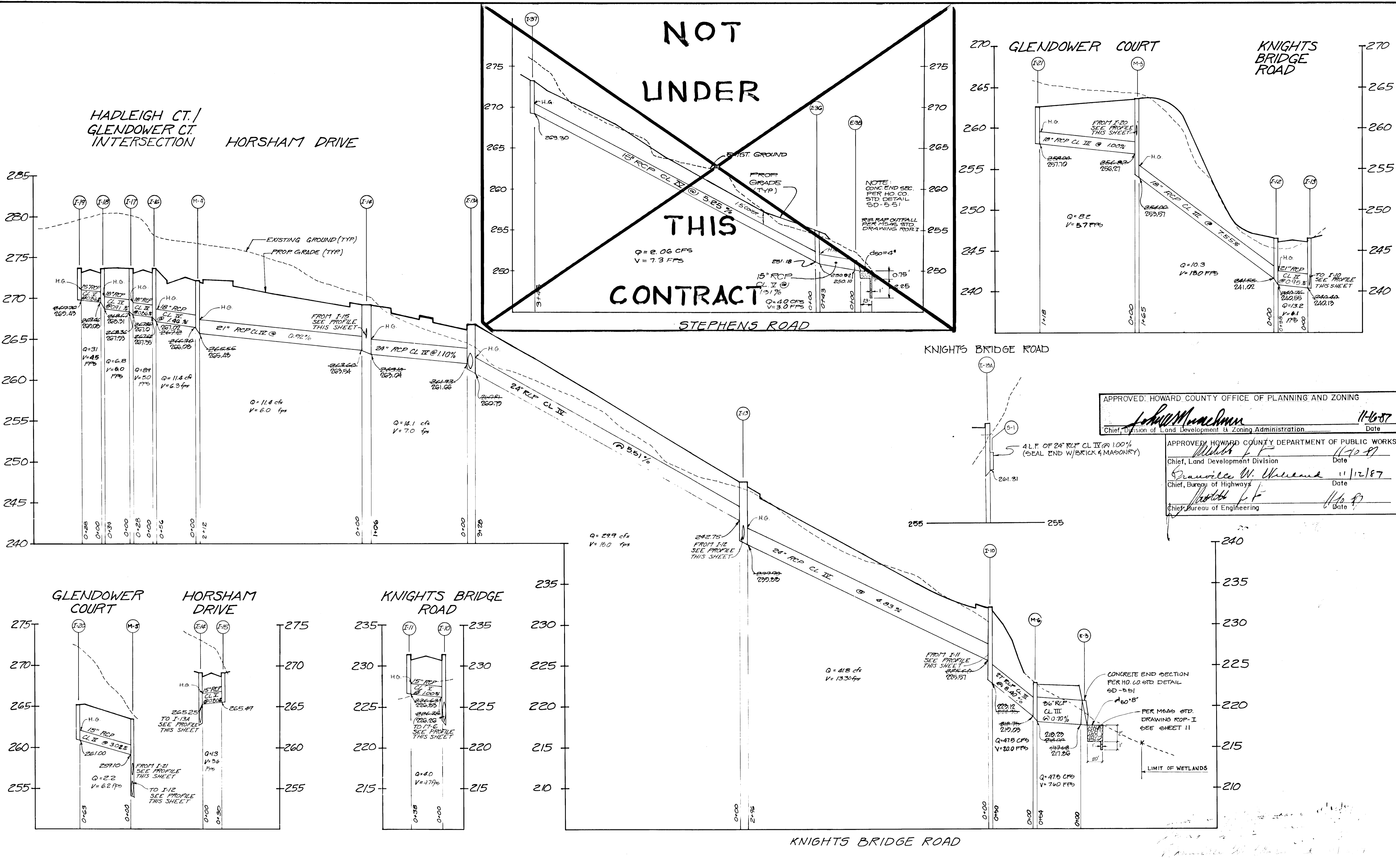
REVISED

PAVING & STORM DRAINAGE CONSTRUCTION PLANS
 KNIGHTS BRIDGE ROAD
 BOWLING BROOK FARMS

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place, Rockville, MD 20855 (301)762-2220

BOWLING BROOK FARMS
 SECTION 1, AREA 2
 LOTS 72 THRU 211
 A RESUBDIVISION OF BOWLING BROOKE, LOT 2
 TAX MAP 47 PARCEL 141
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY	DATE
DESIGN MJK	3/9/87
DRAWN JDW	SHEET
CHECKED RET	6 OF 14
SCALE AS SHOWN	FILE NO.
CL	2184-1-0



NOT
UNDER
THIS
CONTRACT

STEPHENS ROAD

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John M. Monahan 11-16-87
Chief, Division of Land Development & Zoning Administration Date

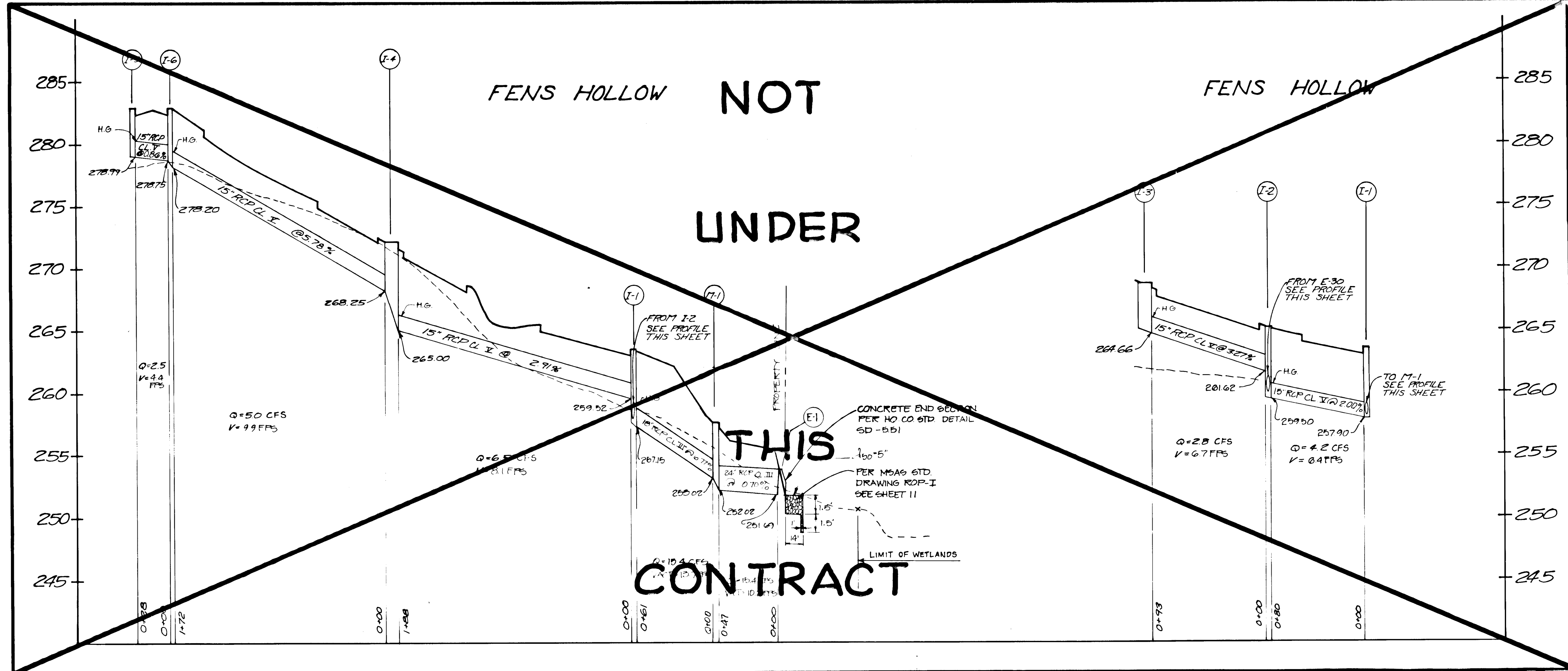
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

William F. F. 11-10-87
Chief, Land Development Division Date

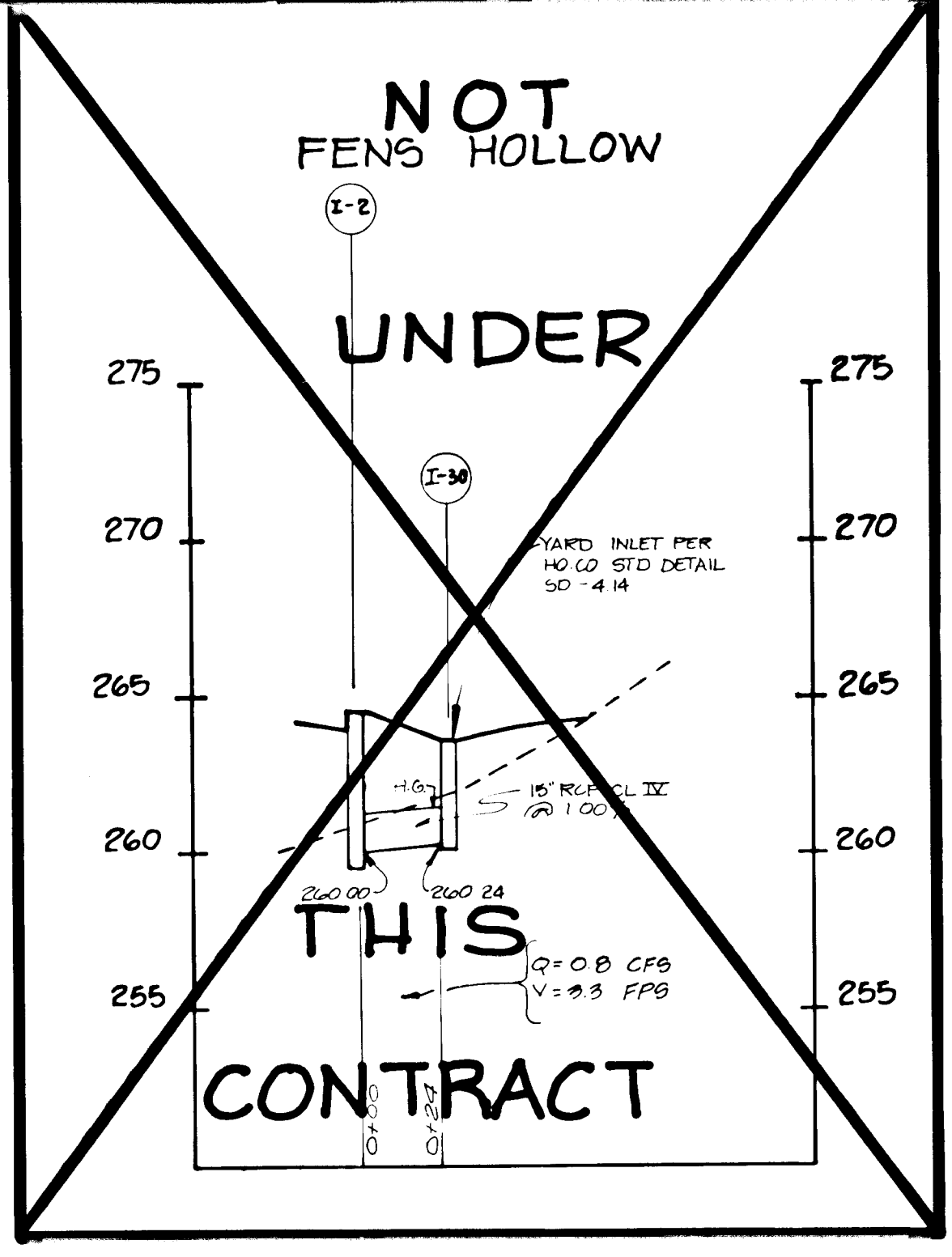
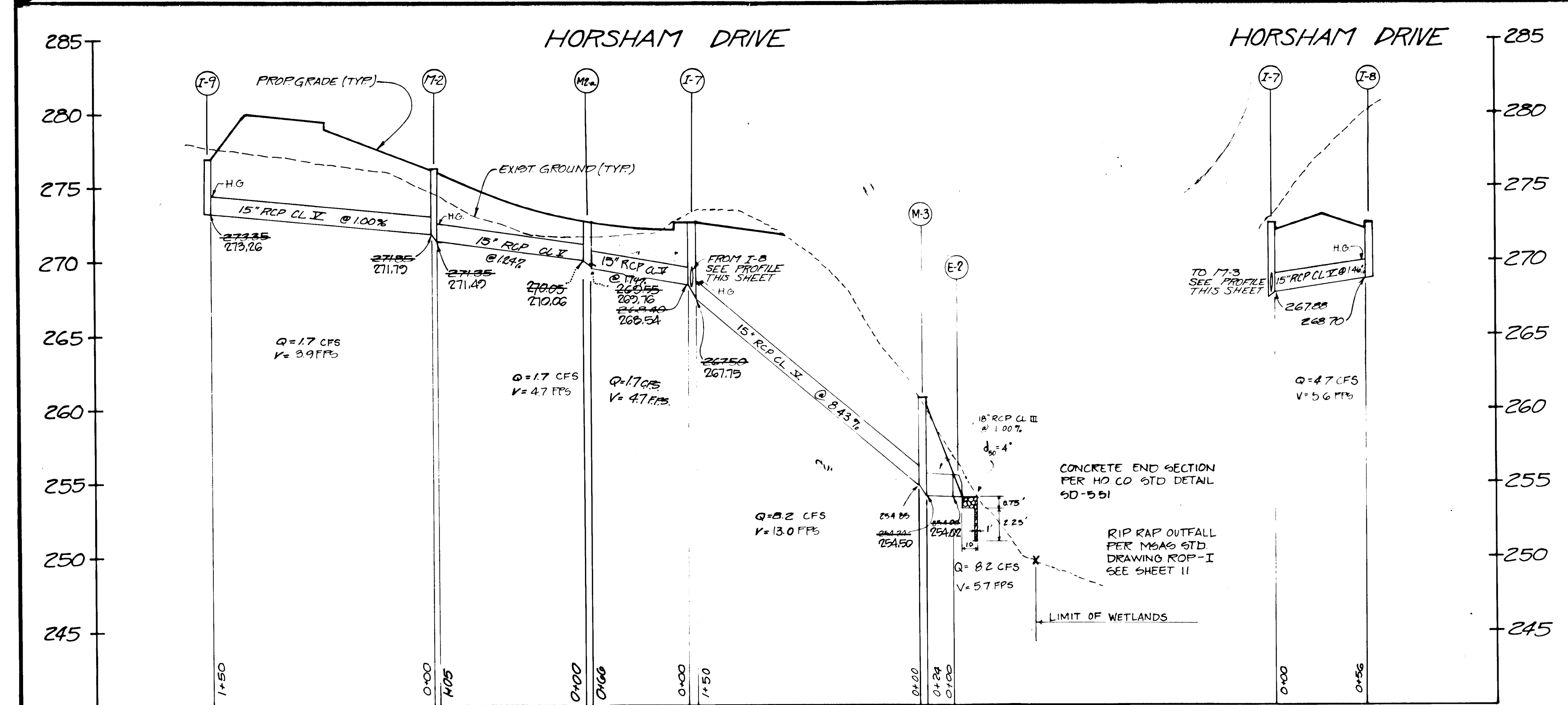
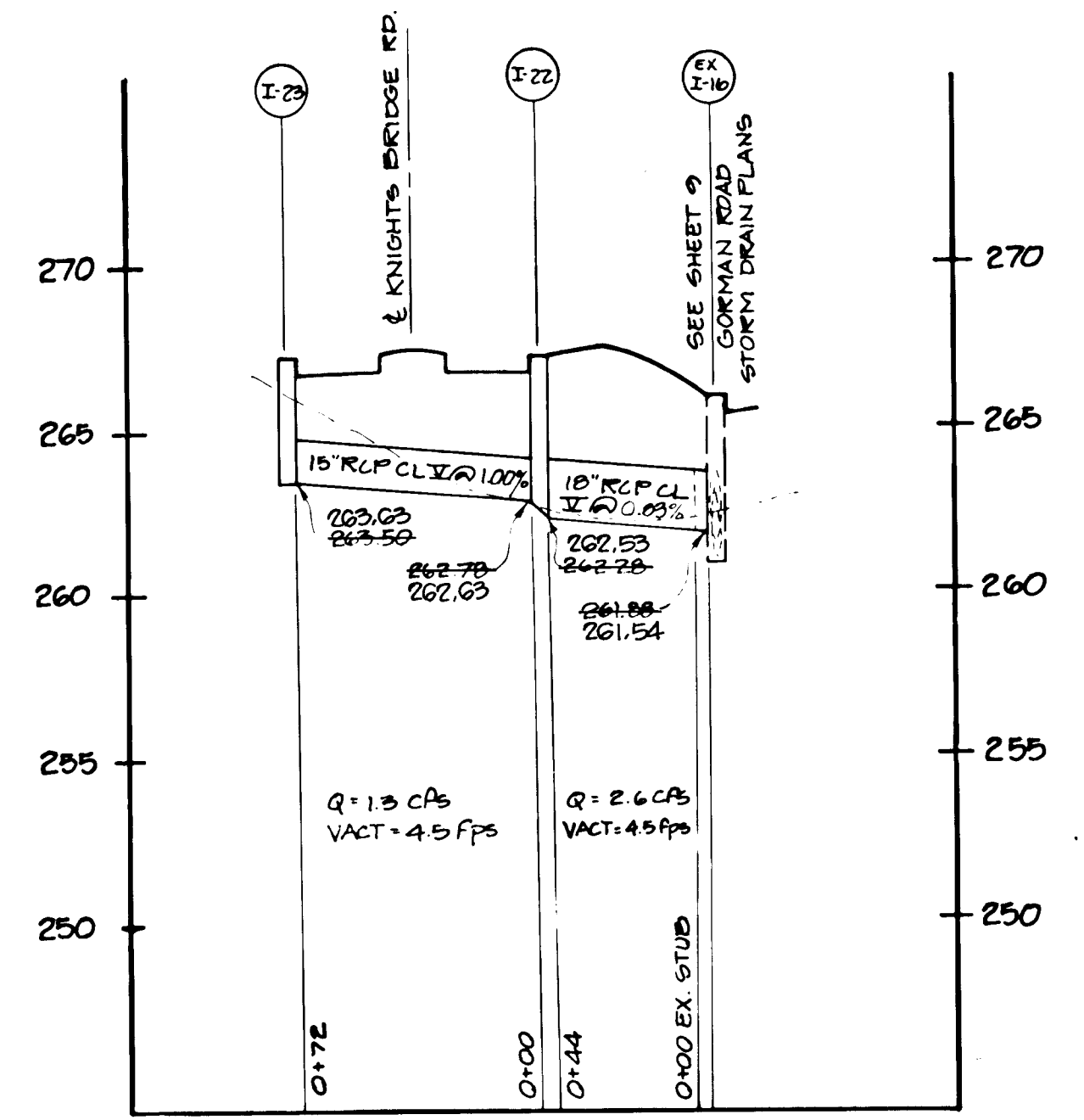
Granville W. Wheland 11/12/87
Chief, Bureau of Highways Date

William F. F. 11/6/87
Chief, Bureau of Engineering Date

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 0.8em;">D AS-BUILT REVISIONS</td> <td style="font-size: 0.8em;">BY</td> <td style="font-size: 0.8em;">DATE</td> </tr> <tr> <td style="font-size: 0.8em;">A</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">5/6/91</td> </tr> <tr> <td style="font-size: 0.8em;">B</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">C</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">E</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">F</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">G</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">H</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">I</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">J</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">K</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">L</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">M</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">N</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">O</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">P</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">Q</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">R</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">S</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">T</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">U</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">V</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">W</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">X</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">Y</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> <tr> <td style="font-size: 0.8em;">Z</td> <td style="font-size: 0.8em;">[Signature]</td> <td style="font-size: 0.8em;">8/22/87</td> </tr> </table>	D AS-BUILT REVISIONS	BY	DATE	A	[Signature]	5/6/91	B	[Signature]	8/22/87	C	[Signature]	8/22/87	E	[Signature]	8/22/87	F	[Signature]	8/22/87	G	[Signature]	8/22/87	H	[Signature]	8/22/87	I	[Signature]	8/22/87	J	[Signature]	8/22/87	K	[Signature]	8/22/87	L	[Signature]	8/22/87	M	[Signature]	8/22/87	N	[Signature]	8/22/87	O	[Signature]	8/22/87	P	[Signature]	8/22/87	Q	[Signature]	8/22/87	R	[Signature]	8/22/87	S	[Signature]	8/22/87	T	[Signature]	8/22/87	U	[Signature]	8/22/87	V	[Signature]	8/22/87	W	[Signature]	8/22/87	X	[Signature]	8/22/87	Y	[Signature]	8/22/87	Z	[Signature]	8/22/87	<p>STORM DRAIN PROFILES</p> <p style="font-size: 1.2em; font-weight: bold;">BOWLING BROOK FARMS</p>	<p style="font-size: 1.2em; font-weight: bold;">Patton Harris Rust and Associates</p> <p style="font-size: 0.8em;">A Professional Corporation Engineers, Surveyors, Planners and Landscape Architects 7609 Standish Place, Rockville, MD 20855 (301)762-2220</p>	<p style="font-size: 1.2em; font-weight: bold;">BOWLING BROOK FARMS</p> <p style="font-size: 0.8em;">SECTION 1, AREA 2 LOTS 72 THRU 211 A RESUBDIVISION OF BOLLING BROOKE, LOT 2 TAX MAP 47 PARCEL 141 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 0.8em;">SURVEY</td> <td style="font-size: 0.8em;">DATE</td> </tr> <tr> <td style="font-size: 0.8em;">DESIGN 170K</td> <td style="font-size: 0.8em;">3/9/87</td> </tr> <tr> <td style="font-size: 0.8em;">DRAWN PA</td> <td style="font-size: 0.8em;">SHEET</td> </tr> <tr> <td style="font-size: 0.8em;">CHECKED RET</td> <td style="font-size: 0.8em;">7 OF 14</td> </tr> <tr> <td style="font-size: 0.8em;">SCALE: HORIZ: 1"=50'</td> <td style="font-size: 0.8em;">FILE NO.</td> </tr> <tr> <td style="font-size: 0.8em;">VERT: 1"=5'</td> <td style="font-size: 0.8em;">2184-10</td> </tr> </table>	SURVEY	DATE	DESIGN 170K	3/9/87	DRAWN PA	SHEET	CHECKED RET	7 OF 14	SCALE: HORIZ: 1"=50'	FILE NO.	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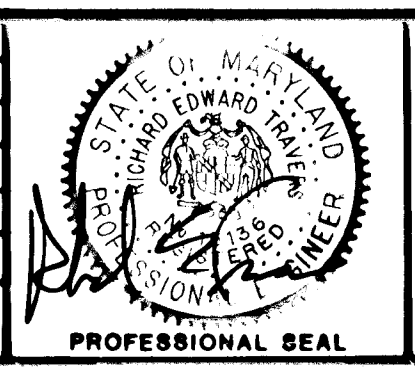
KNIGHTS BRIDGE AT GORMAN ROAD



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Land Development Division
 Date: 11/10/87
 Approved: Howard W. Woodman
 Chief, Bureau of Highways
 Date: 11/10/87
 Approved: [Signature]
 Chief, Bureau of Engineering
 Date: 11/10/87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Chief, Division of Land Development & Zoning Administration
 Date: 11/10/87

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	AS-BUILT REVISIONS	5/9/91		
2	REVISED HORSHAM DR	5-11-88		
3	REVISED TO SHOW	8/22/87		
4	REVISIONS	1-26-87		
5	REVISIONS	1-27-87		

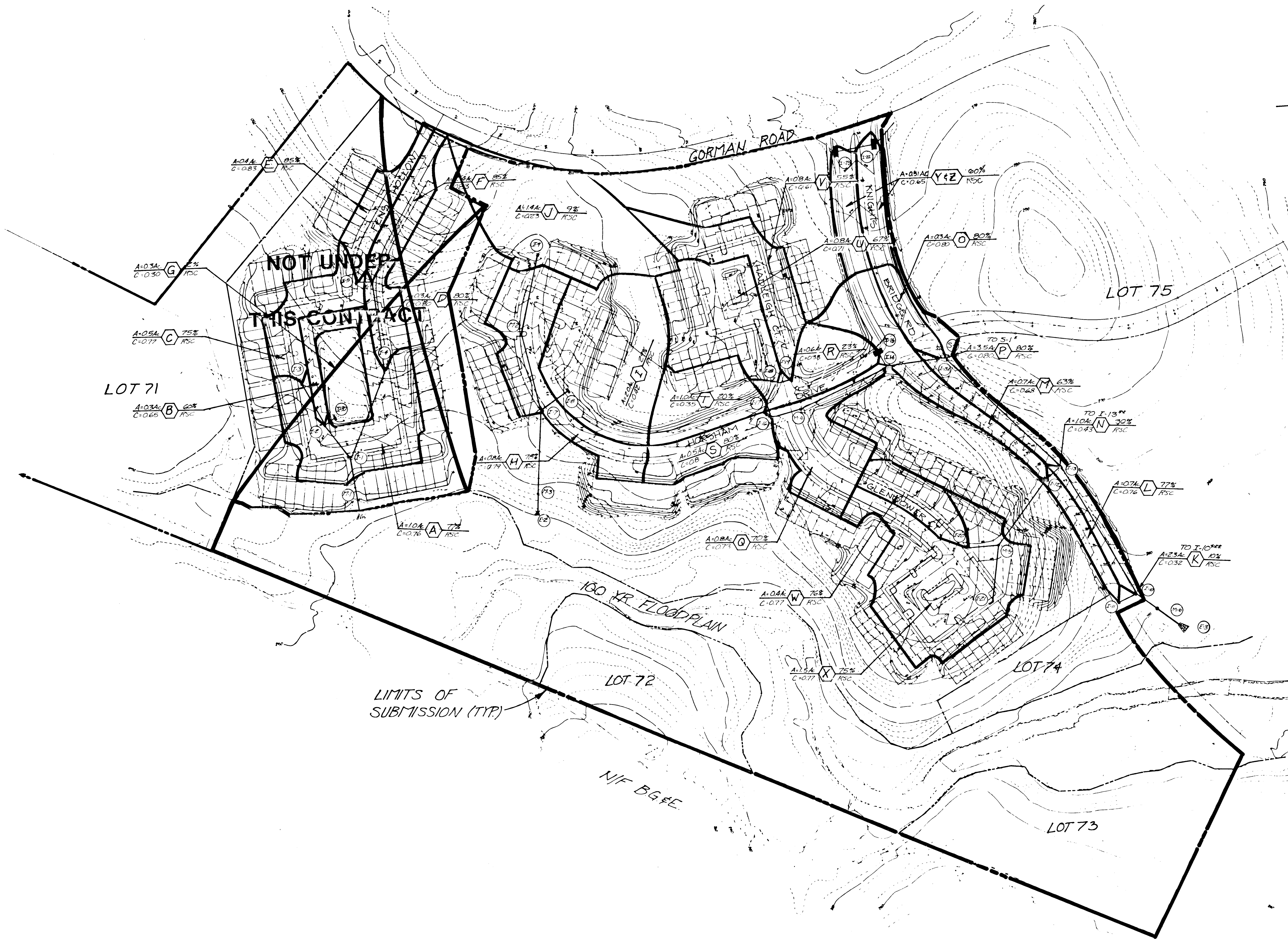
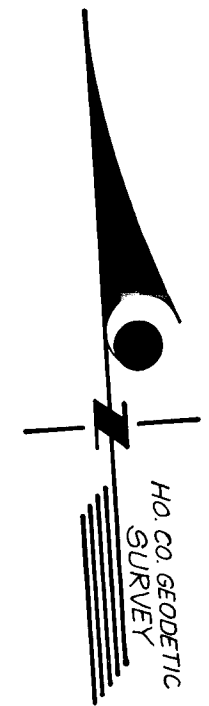


REVISED
 STORM DRAIN PROFILES
BOWLING BROOK FARMS

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place, Rockville, MD 20855 (301)762-2220

BOWLING BROOK FARMS
 SECTION 1, AREA 2
 LOTS 72 THRU 211
 A RESUBDIVISION OF BOWLING BROOKE, LOT 2
 TAX MAP 47 PARCEL 141
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY	DATE
DESIGN MJK	3/9/87
DRAWN PA	SHEET
CHECKED RET	8 of 14
SCALE: HORIZ. 1"=50'	FILE NO.
VERT. 1"=5'	2184-1-0



NOT UNDER THIS CONTRACT

- NOTES**
- * INCLUDES ADDITIONAL DRAINAGE AREA FROM FUTURE DEVELOPMENT OF LOT 11
 - ** INCLUDES ADDITIONAL DRAINAGE AREA FROM FUTURE DEVELOPMENT OF PARCEL G
 - *** INCLUDES ADDITIONAL DRAINAGE AREA FROM FUTURE DEVELOPMENT OF PARCELS G & H

LIMITS OF SUBMISSION (TYP)

N/F B.G.#E

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Robert L. F. 11/22/87
 Chief, Land Development Division Date

Dr. William W. Weaver 11/17/87
 Chief, Bureau of Highways Date

Shelley L. L. 11/18/87
 Chief, Bureau of Engineering Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Shelley L. L. 11-18-87
 Chief, Division of Land Development & Zoning Administration Date

DRAINAGE AREA MAP
BOWLING BROOK FARMS

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place, Rockville, MD 20855 (301)762-2220

BOWLING BROOK FARMS
 SECTION 1, AREA 2
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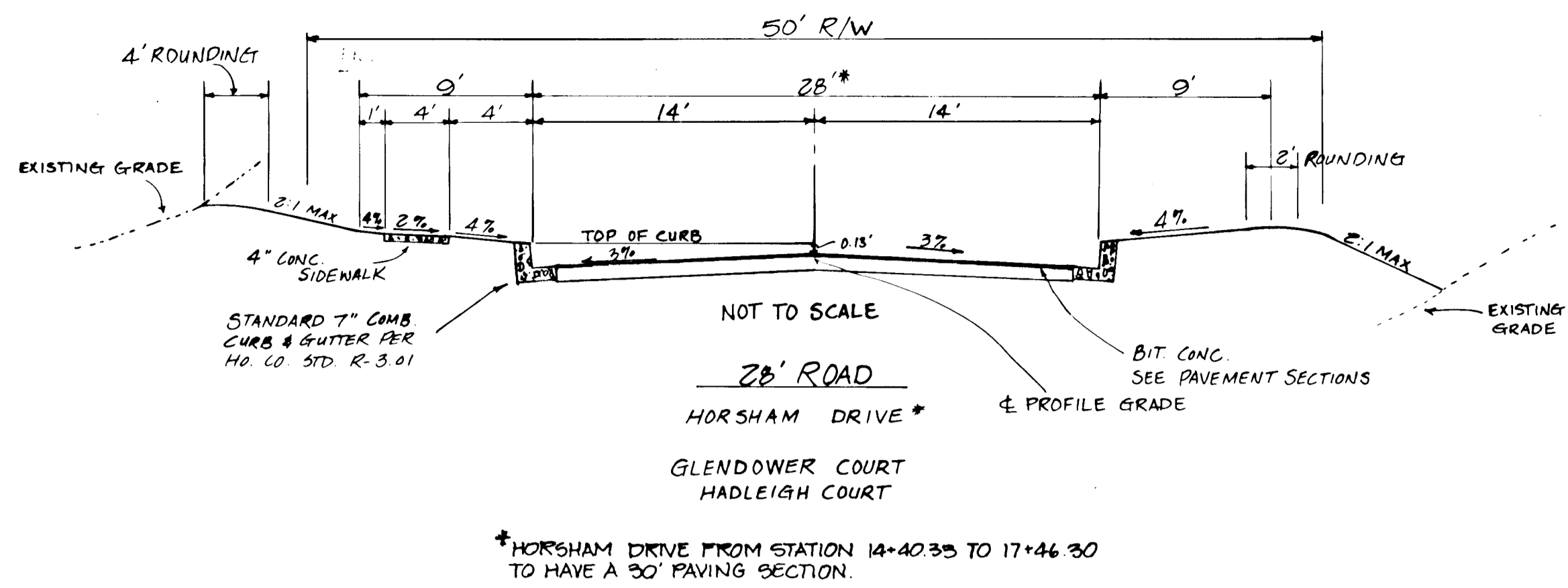
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DRAWN <i>MJC</i>	SHEET
CHECKED <i>MJC</i>	2 of 14
SCALE 1"=100'	FILE NO
C.I.=2'	208-10

NO.	DESCRIPTION	DATE	APPROVED	DATE
C	REVISION TO SPLIT PARCEL 141 & 142	8/19/87		
D	REVISION TO SPLIT PARCEL 141 & 142	8/26/87		
A	REVISION TO SPLIT PARCEL 141 & 142	8/27/87		

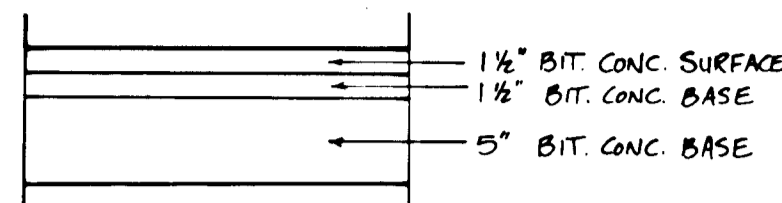
REVISION APPROVED BY

127

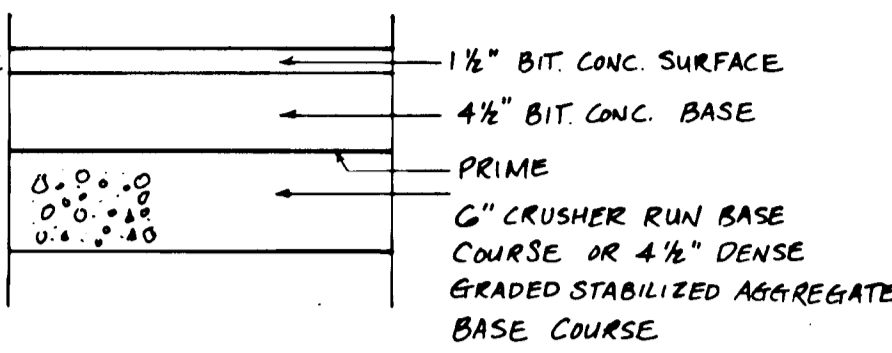
BIT. CONC. PAVEMENT SECTION (HO. CO. STD. R-2.01 P-3)



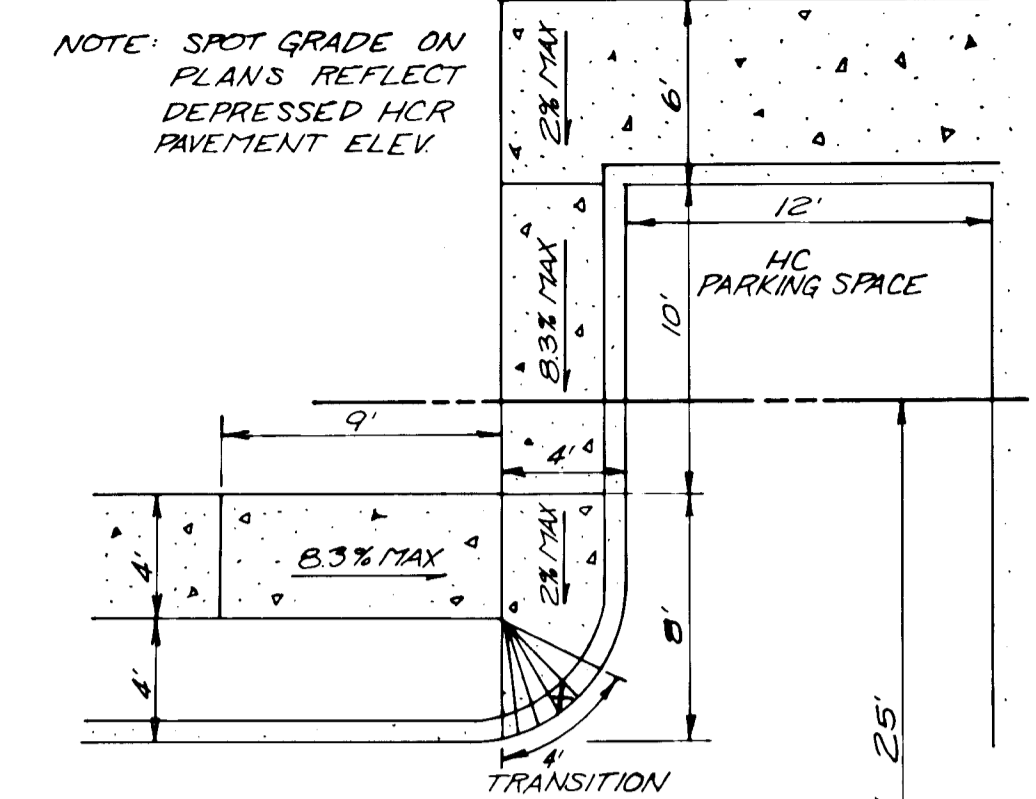
FULL DEPTH BIT. CONC. ALTERNATE



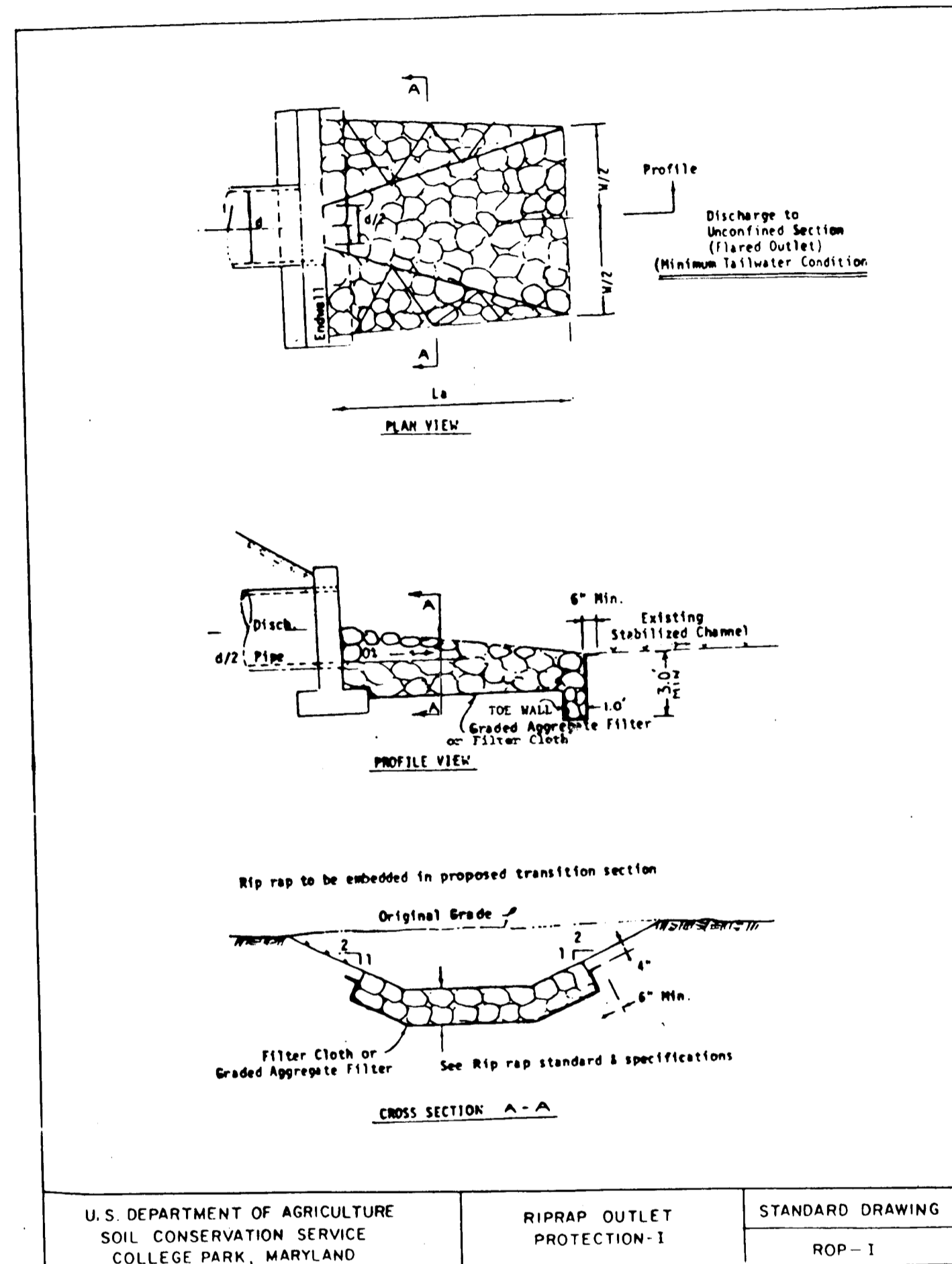
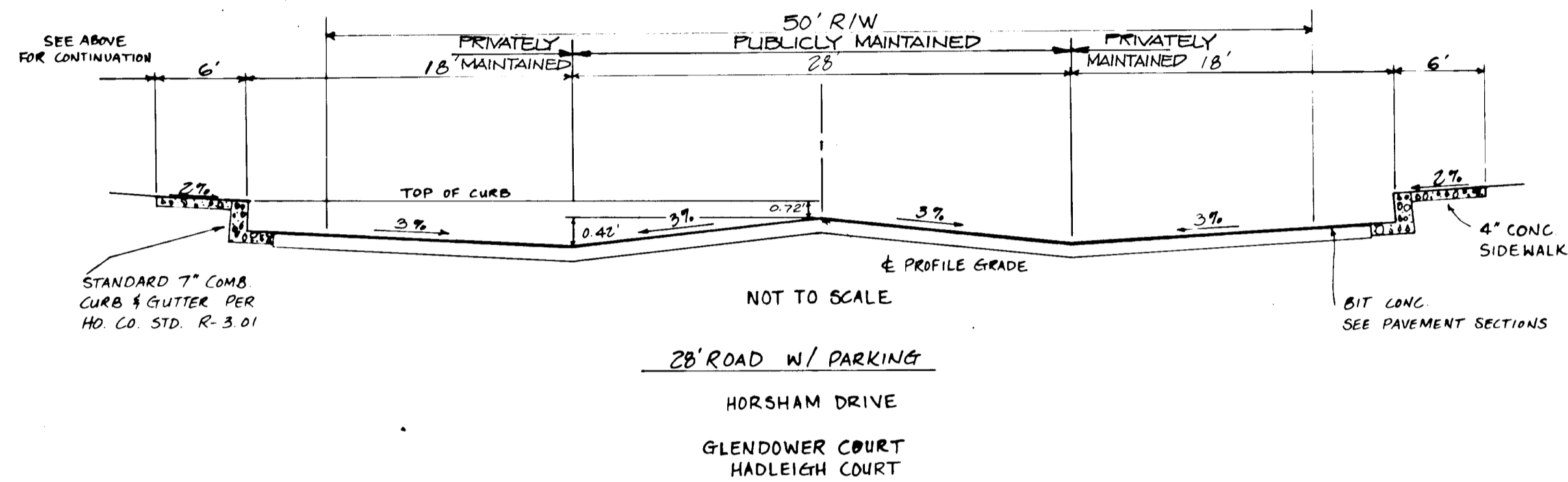
GRANULAR BASE ALTERNATE



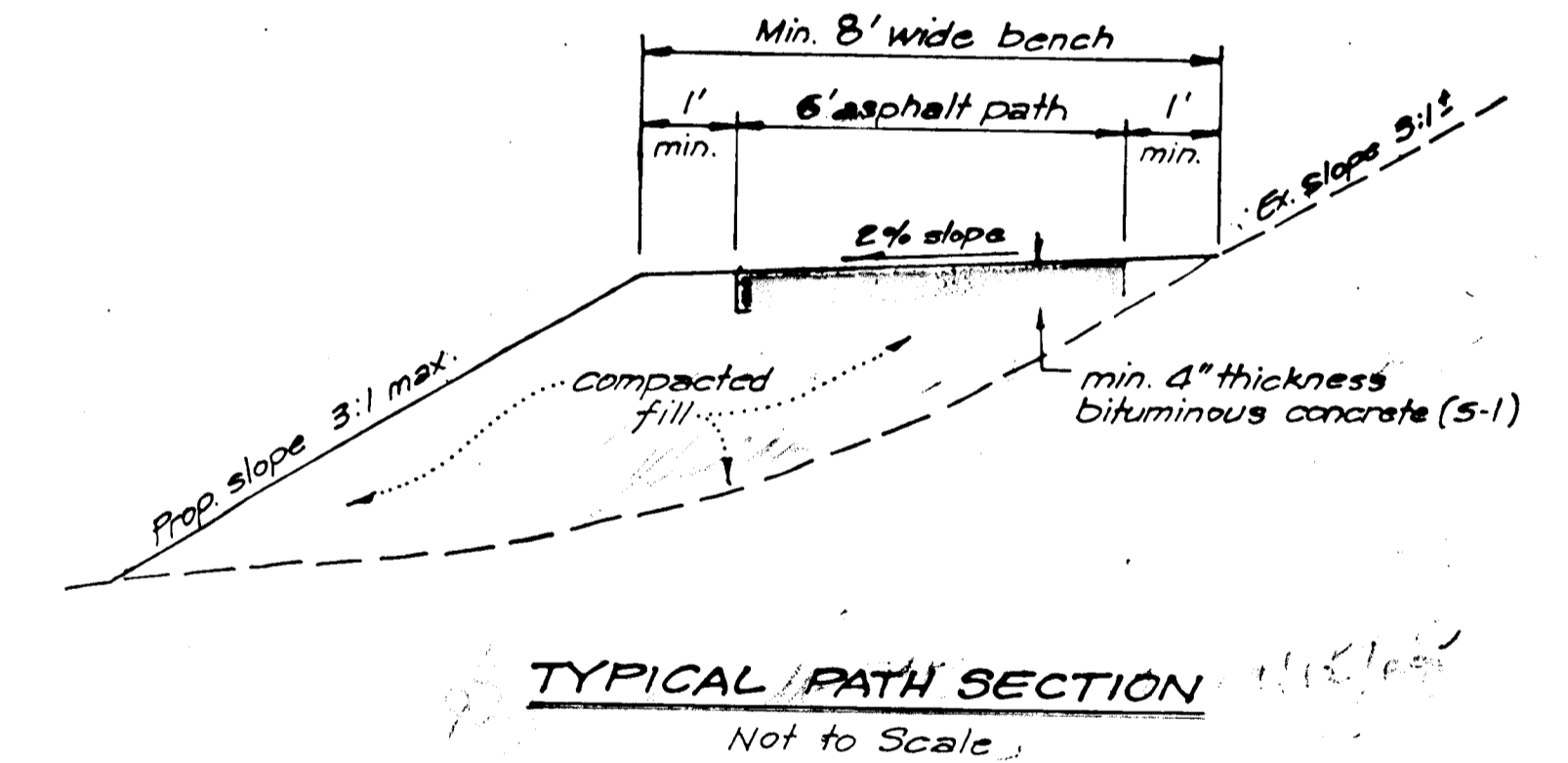
NOTE: ONE PAVEMENT SECTION SHALL BE USED THROUGHOUT THE WORK.



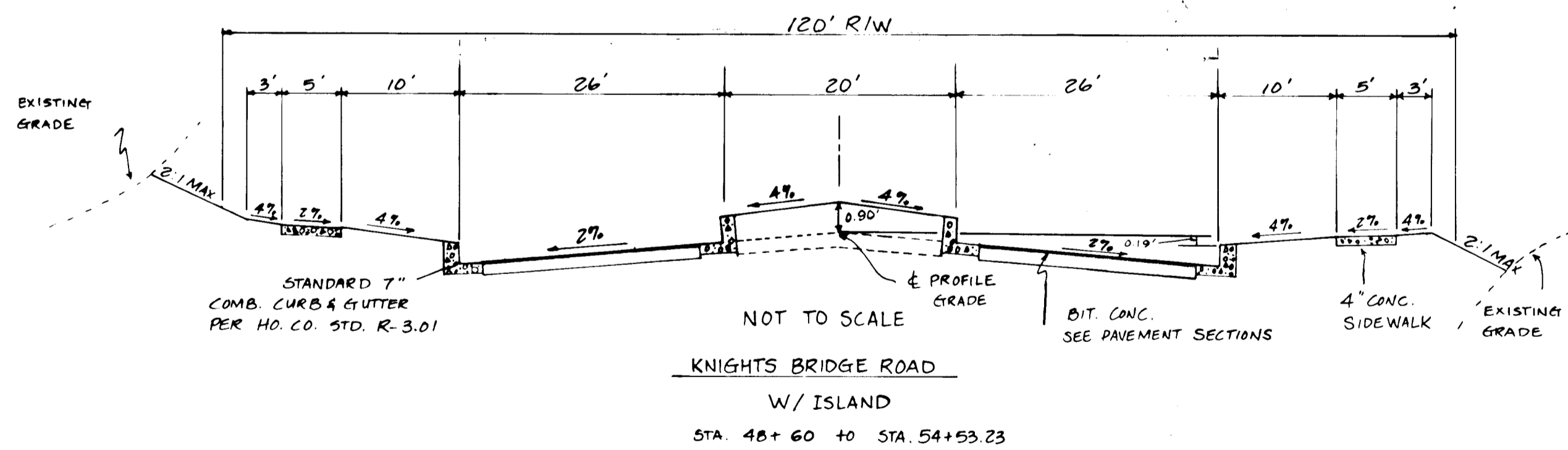
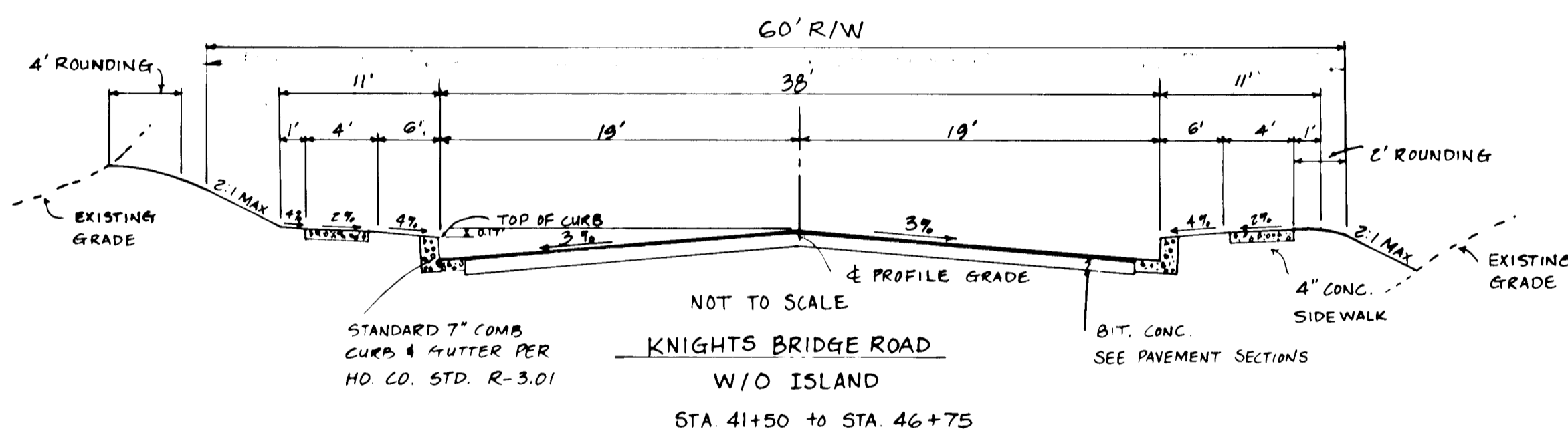
HANDICAP RAMP DETAIL NOT TO SCALE



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND
RIPRAP OUTLET PROTECTION-I
STANDARD DRAWING ROP-1



TYPICAL PATH SECTION Not to Scale



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Land and Development Division
 Chief, Bureau of Highways
 Chief, Bureau of Engineering

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John W. Marchman
 Chief, Division of Land Development & Zoning Administration

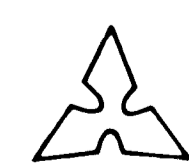
11-16-87
 Date

NO.	DESCRIPTION	DATE	APPROVED	DATE
D	REVISION KNIGHTS BRIDGE RD.	4/24/89		
C	REVISION KNIGHTS BRIDGE RD.	8/20/87		
B	REVISION KNIGHTS BRIDGE RD.	5/20/87		
A	REVISION KNIGHTS BRIDGE RD.	3/21/87		



REVISION APPROVED BY

PAVING & STORM DRAINAGE SECTIONS & DETAILS



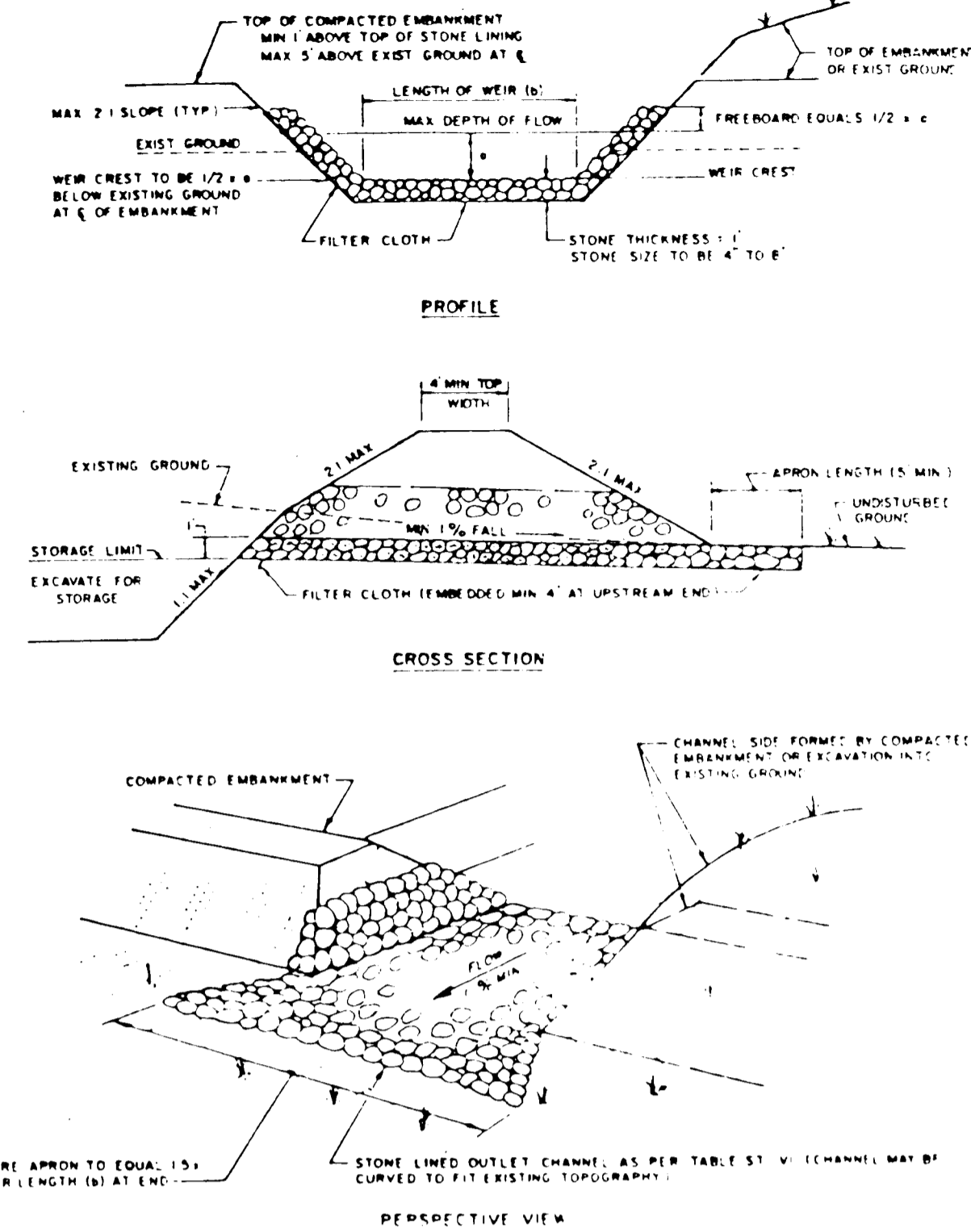
Patton Harris Rust and Associates
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 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place Rockville, Md 20855 (301) 762-2220

BOWLING BROOK FARMS		SURVEY		DATE
SECTION 1, AREA 2		DESIGN		MJK
LOTS 72 THRU 211		DRAWN		MJK
A RESUBDIVISION OF BOLLING BROOKE, LOT 2		CHECKED		
TAX MAP 47 PARCEL 141		SCALE		AS SHOWN
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		FILE NO.		2104-1-0

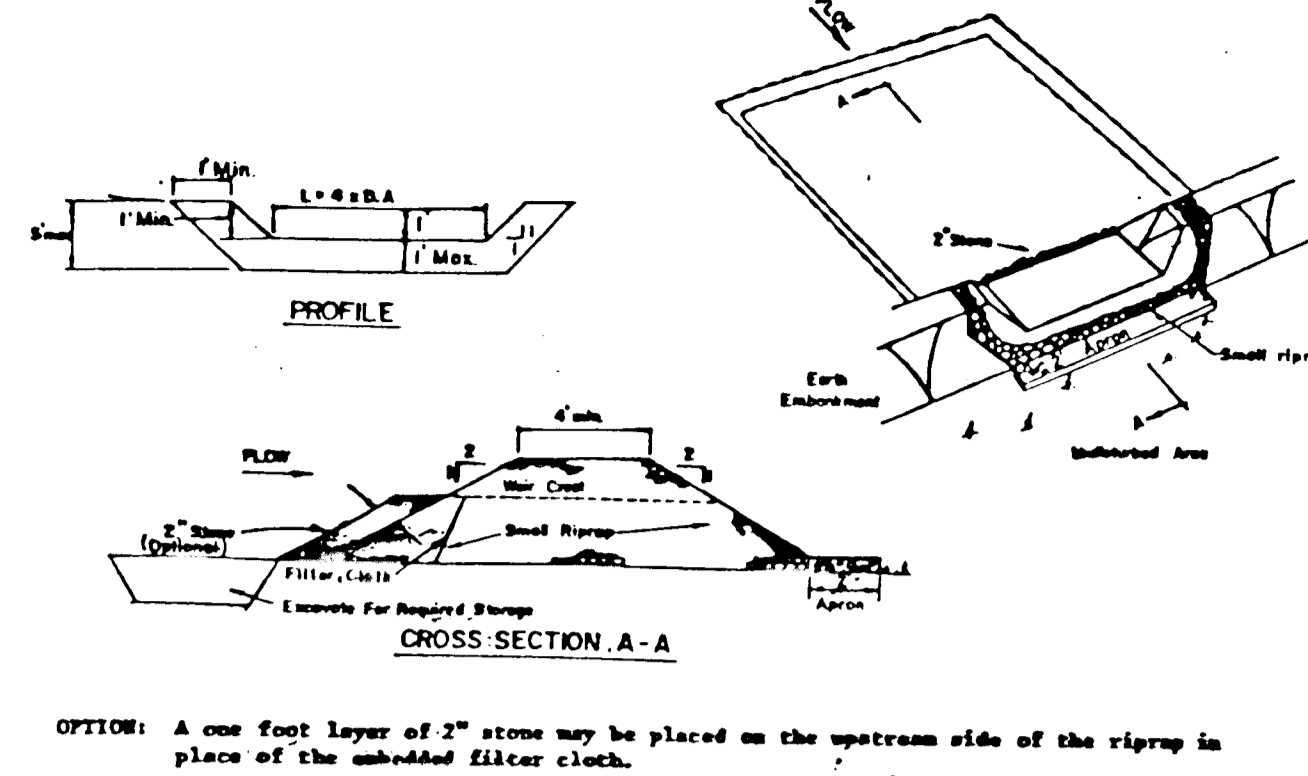
CONSTRUCTION SPECIFICATIONS FOR ST-VI

- 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 oversized stones, rocks, organic material or other objectionable material.

RIPRAP OUTLET SEDIMENT TRAP ST-VI



STONE OUTLET SEDIMENT TRAP ST-VI

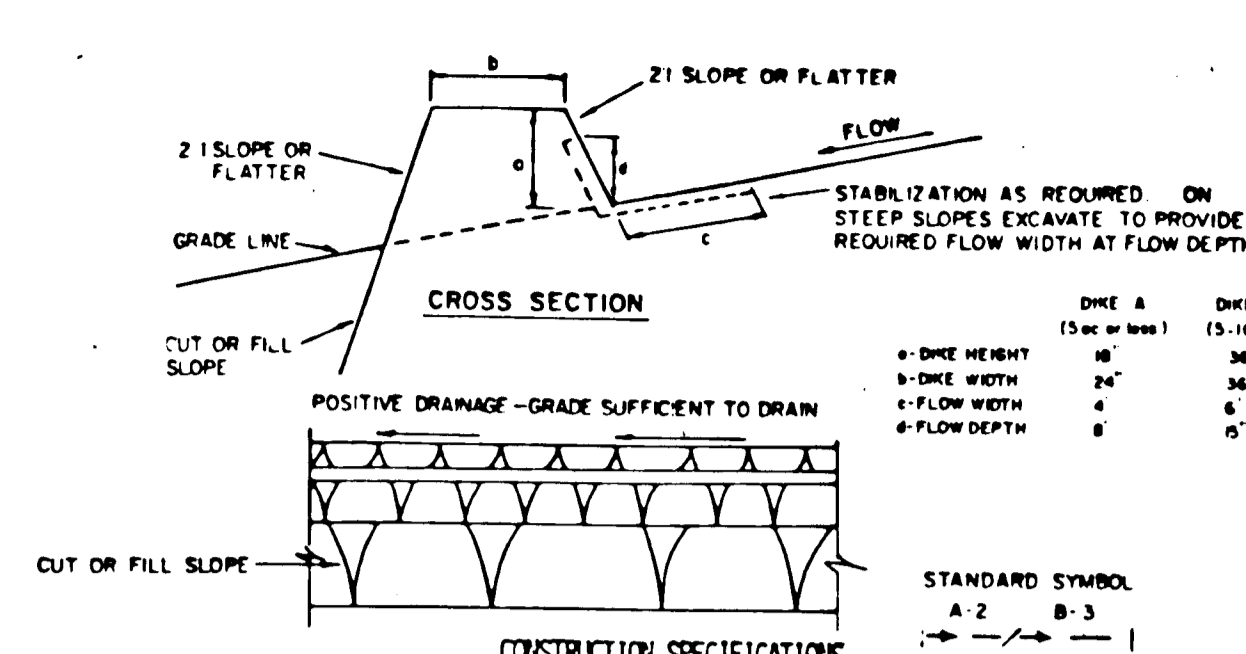


OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

CONSTRUCTION SPECIFICATIONS FOR ST-VI

- 1. 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 and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material.

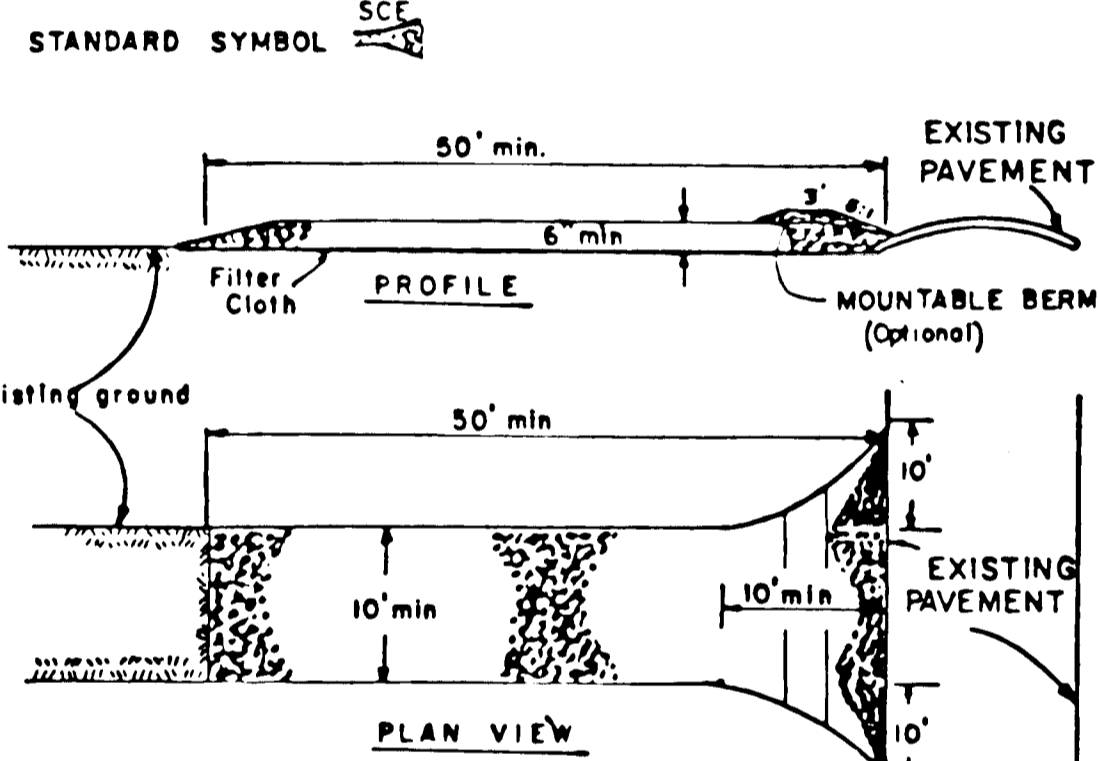
EARTH DIKE



- 1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTED TRAFFIC.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND EARTH DIKE STANDARD DRAWING ED-1

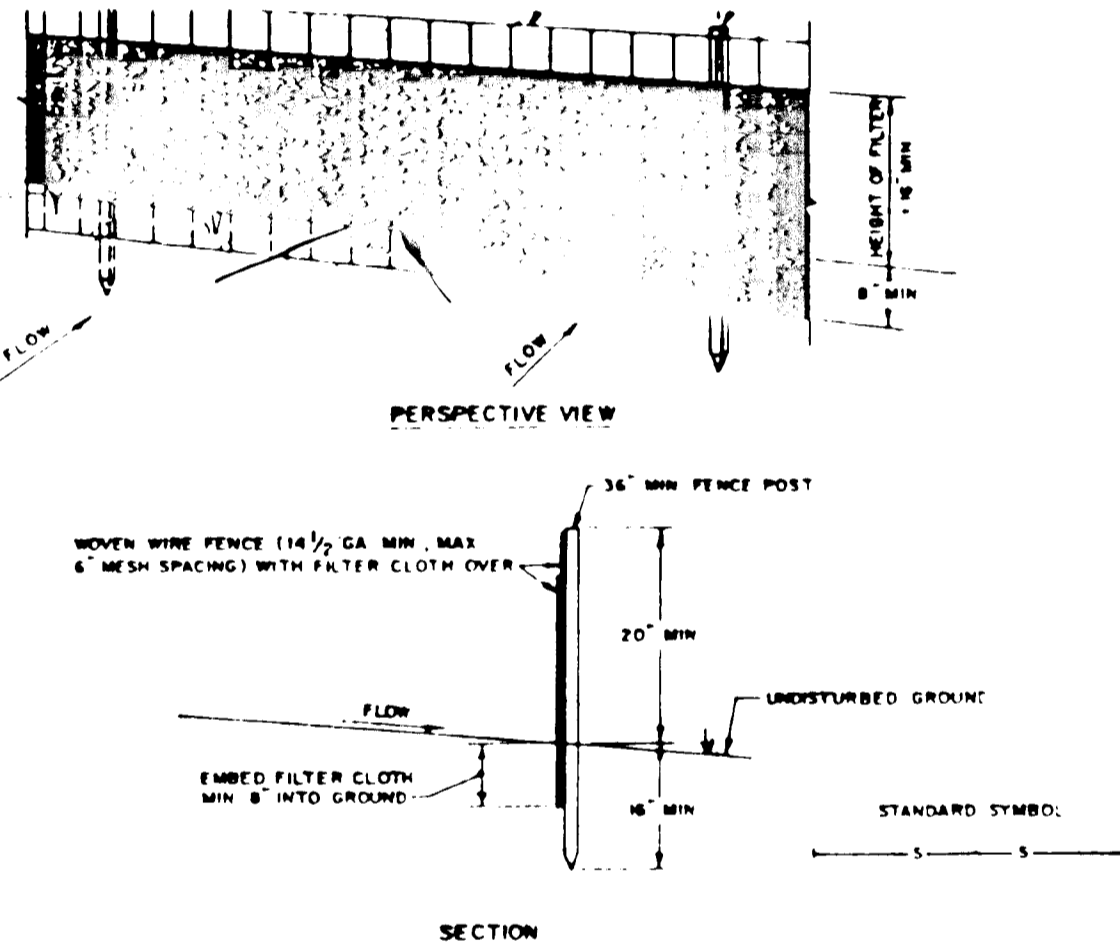
STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS

- 1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MD. STABILIZED CONSTRUCTION ENTRANCE Standard Drawing SCE-1



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND SILT FENCE STANDARD DRAWING SF-1

SEDIMENT TRAP SCHEDULE

Table with 5 columns for Sediment Trap # (1-5) and rows for Type of Trap, Drainage Area, Storage Required, Storage Provided, Base Dimensions, Weir Length, Storage Depth, Embankment HT & Top Elev, and Max Depth of Flow.

SCHEDULE CONTINUED BELOW

SEDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspectors and Permits prior to the start of any construction.
2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

DEVELOPER'S/BUILDER'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.

Signature of Developer/Builder: R.P. Rosewith, Date: 10/22/87

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.

Signature of Engineer: [Signature], Date: 11/20/87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Signature of Planning and Zoning Administrator: [Signature], Date: 11/20/87

SEDIMENT TRAP SCHEDULE

Table with 2 columns for Sediment Trap # and rows for Type of Trap, Drainage Area, Storage Required, Storage Provided, Base Dimensions, Weir Length, Storage Depth, Embankment HT & Top Elev, and Max Depth of Flow.

PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN REVISED GRADING PERMIT.
2. MODIFY EXISTING SEDIMENT CONTROL MEASURES IN PLACE FROM ROUGH GRADING OPERATIONS AND INSTALL ADDITIONAL DEVICES AS REQUIRED BY THIS PLAN AND THE SEDIMENT CONTROL INSPECTOR.

NOTE: ULTIMATE REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE CONTINGENT ON ALL SITE WORK, INCLUDING DWELLING UNITS, BEING COMPLETED.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Chief of Planning and Development Division: [Signature], Date: 11/20/87. Chief, Bureau of Highways: [Signature], Date: 11/20/87. Chief, Bureau of Engineering: [Signature], Date: 11/20/87.

THIS PLAN FOR STREET AND UTILITY CONSTRUCTION ONLY.

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

Signature of Soil Conservation District: [Signature], Date: 11-5-87

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

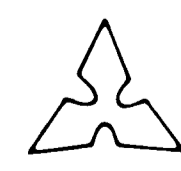
APPROVED: [Signature], Date: 11/4/87. Howard SCD

PLAN NUMBER: 11-1

Table with columns for NO., DESCRIPTION, DATE, APPROVED, and DATE. Includes revision history and approval signatures.



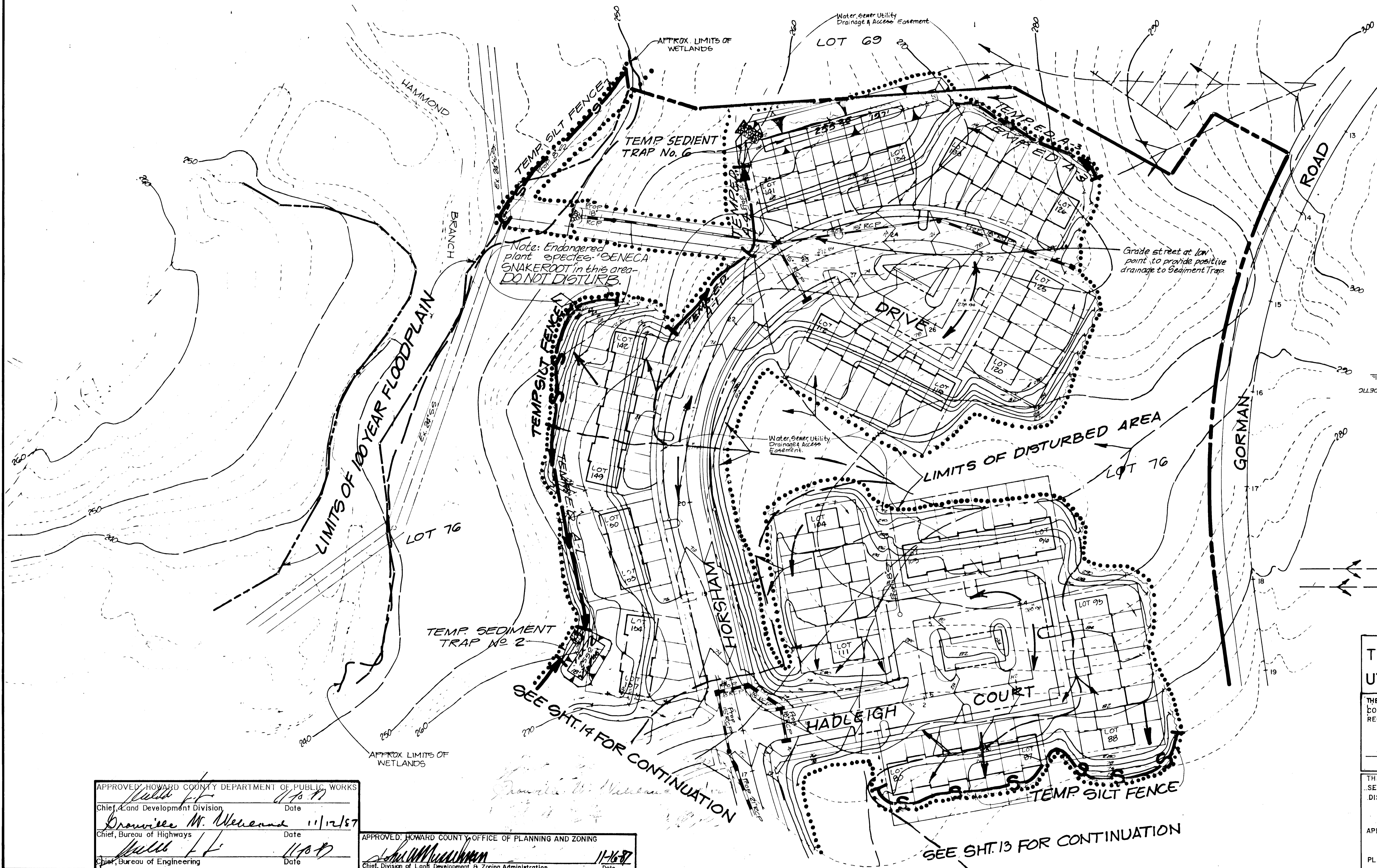
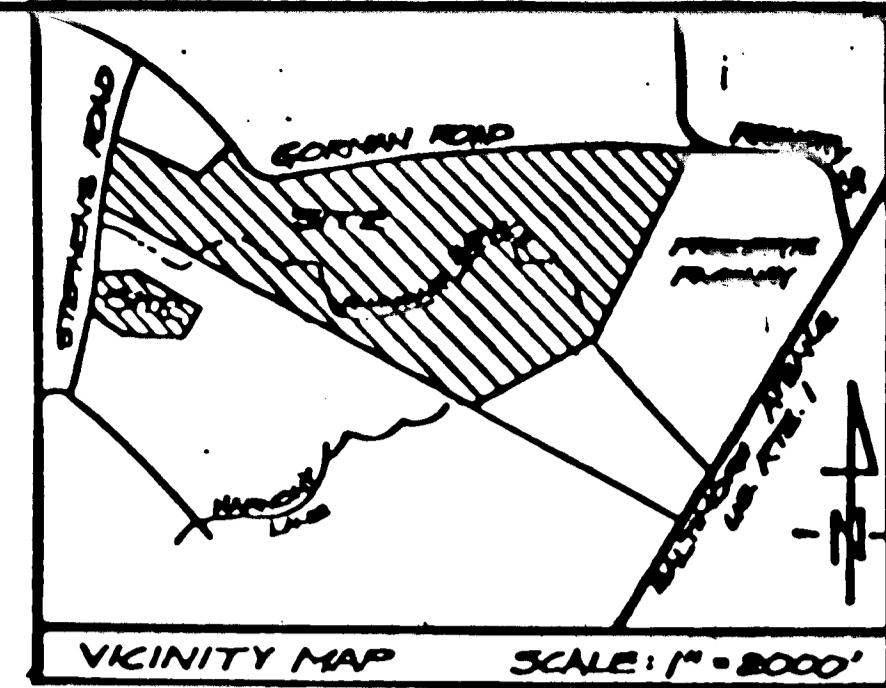
EROSION AND SEDIMENT CONTROL PLAN



Patton Harris Rust and Associates A Professional Corporation Engineers, Surveyors, Planners and Landscape Architects 7609 Standish Place, Rockville Md. 20855 (301) 762-2220

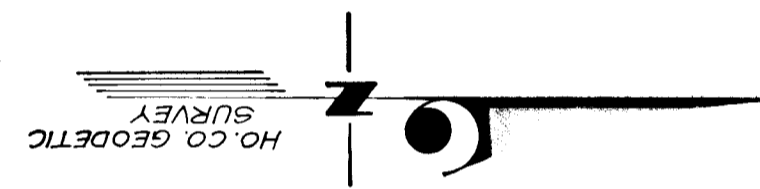
BOWLING BROOK FARMS SECTION 1, AREA 2 LOTS 72 THRU 211 A RESUBDIVISION OF BOLLING BROOKE, LOT 2 TAX MAP 47 PARCEL 141 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Table with columns for SURVEY, DESIGN, DRAWN, CHECKED, SCALE, FILE NO., and DATE. Includes project details and sheet number 11 of 14.



Note: Endangered plant species: **GENECA SNAKEROOT** in this area. **DO NOT DISTURB.**

Grade street at low point to provide positive drainage to Sediment Trap



LEGEND

- Ex. Drainage divide to Sediment Trap
- Prop. Drainage divide to Sediment Trap

THIS PLAN FOR STREET AND UTILITY CONSTRUCTION ONLY

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

APPROVED: *James M. Nelson* 11-5-87
U.S. Soil Conservation Service Date

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

APPROVED: *Stephen T. Parker* 11/4/87
Howard S.C.D. Date

PLAN NUMBER _____

APPROVED: *John F. ...* 11/12/87
Chief, Land Development Division Date

Dorville W. Wever 11/12/87
Chief, Bureau of Highways Date

... 11/16/87
Chief, Bureau of Engineering Date

APPROVED: *...* 11-16-87
Chief, Division of Land Development & Zoning Administration Date

NO.	DESCRIPTION	DATE	APPROVED	DATE
0	Revised Per HSCD	10/15/87		
1	Revised TO SPLIT PARCEL 141	8/20/87		

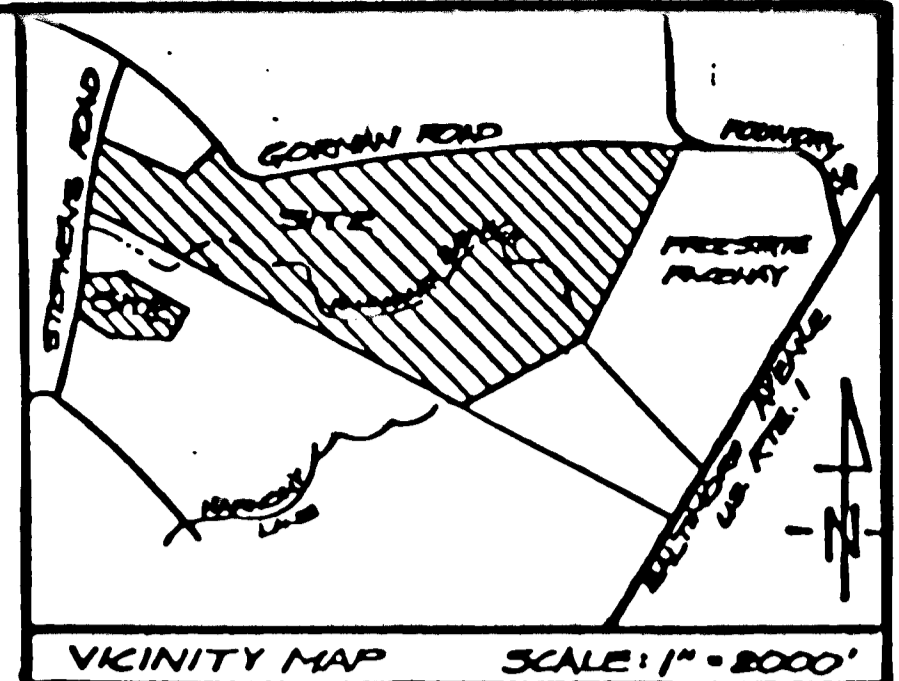
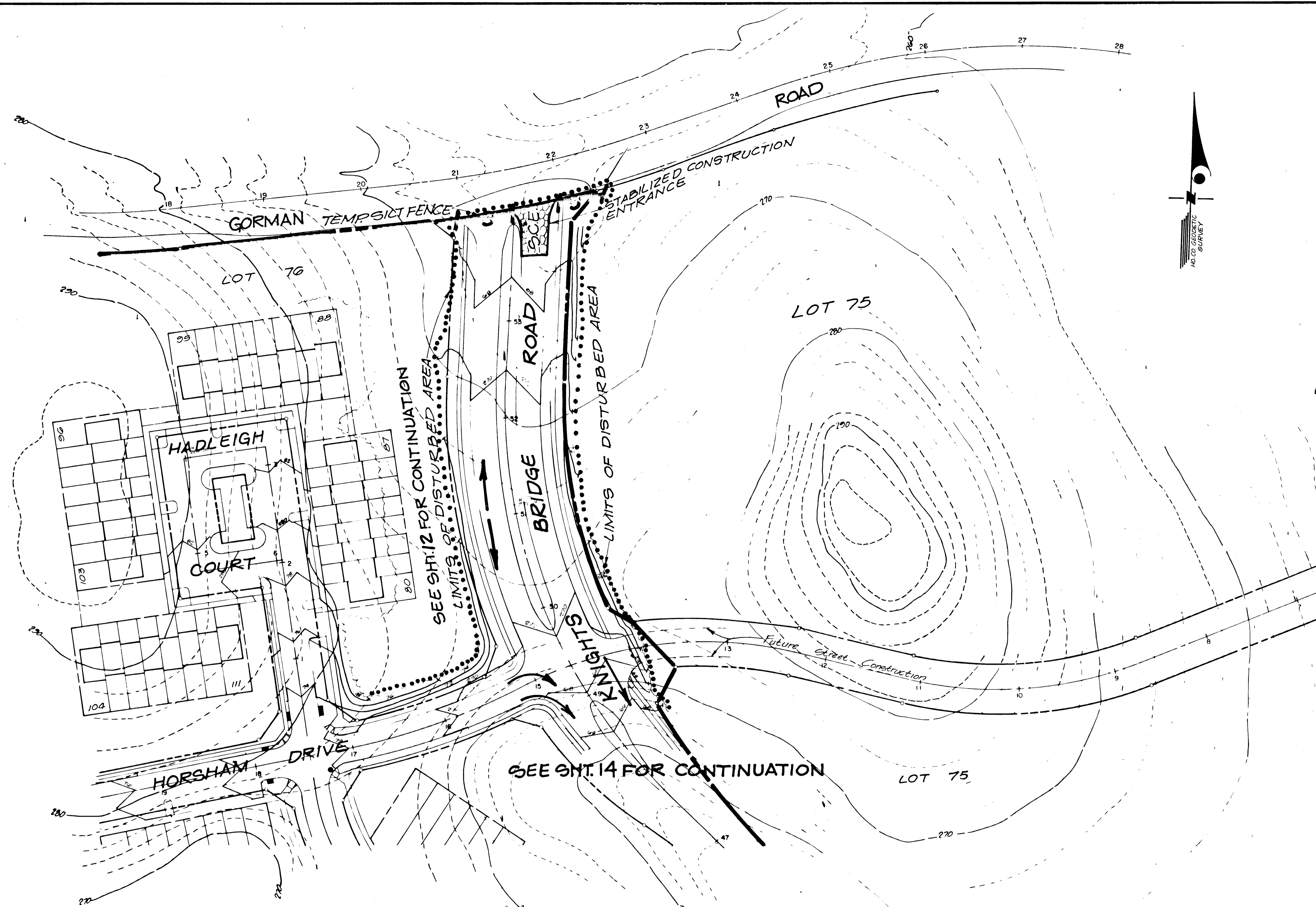


EROSION AND SEDIMENT CONTROL PLAN

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Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place, Rockville Md. 20855 (301) 762-2220

BOWLING BROOK FARMS
SECTION 1, AREA 2
LOTS 72 THRU 211
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
TAX MAP 47 PARCEL 141
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY P.H.R. & A. DATE 5-27-87
DESIGN JPC SHEET
DRAWN JDW/CSR SHEET
CHECKED JPC 12 OF 14
SCALE 1" = 50' FILE NO.
C.L. 2' 2184-1-0



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

John M. Helm
 Soil Conservation Service
 11-5-87
 Date

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

APPROVED *Stephen L. Gule* 11/4/87
 Howard S C D Date

PLAN NUMBER _____

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Mark E. F. 11/10/87
 Chief, Land Development Division Date

Draville W. Wiersma 11/12/87
 Chief, Bureau of Highways Date

Mark E. F. 11/10/87
 Chief, Bureau of Engineering Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John W. Muncie 11-12-87
 Chief, Division of Land Development & Zoning Administration Date

THIS PLAN FOR STREET AND UTILITY CONSTRUCTION ONLY

NO.	DESCRIPTION	DATE	APPROVED	DATE
D	REVISED PER NSCD	10/15/87		
C	REVISED TO SPLIT PARCEL J & K	8/20/87		
B	REVISED PER HOWARD COUNTY COMMENTS	5/24/87		
A	REVISED TO ADD LAYOUT INFO	2/27/87		

REVISION APPROVED BY _____

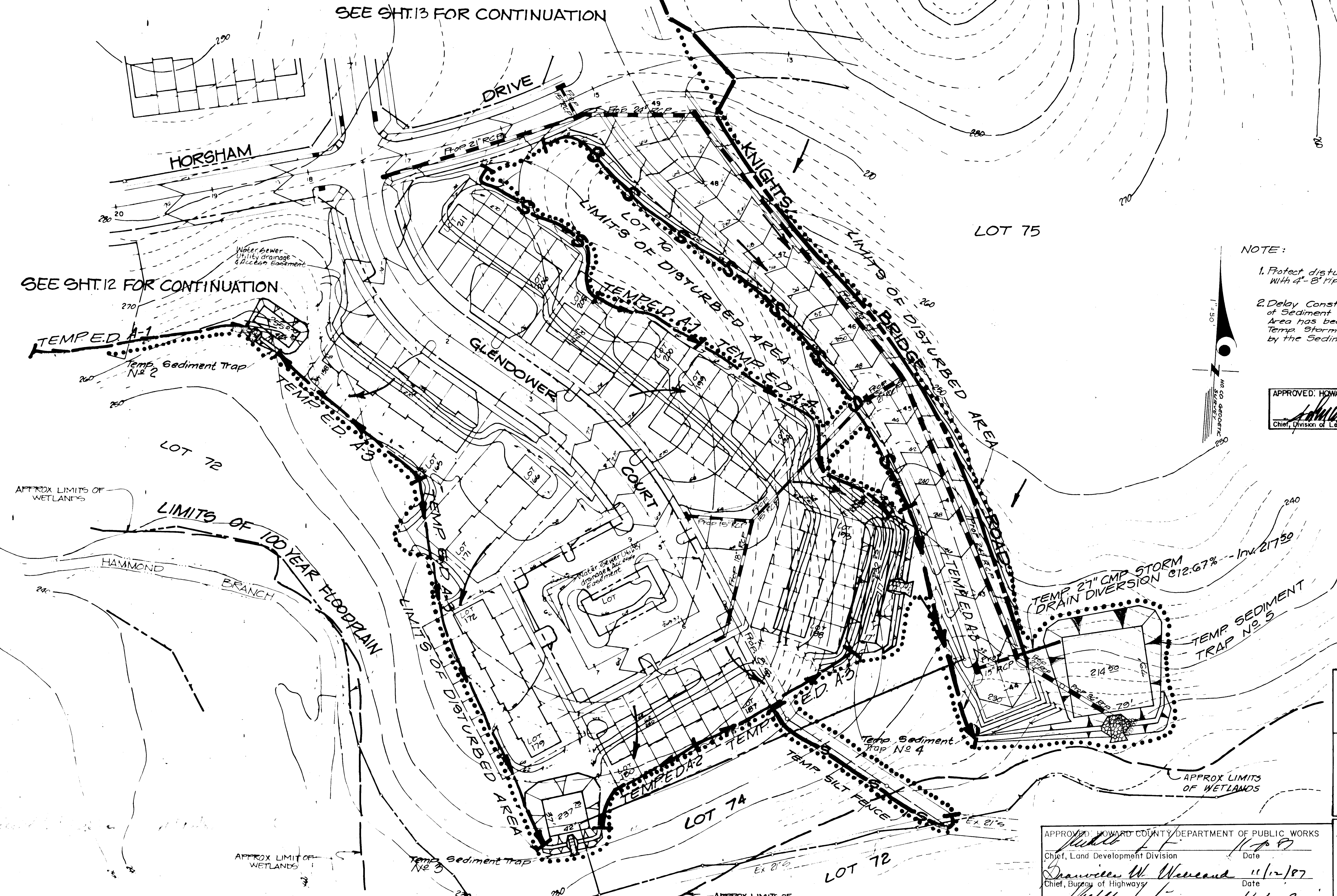
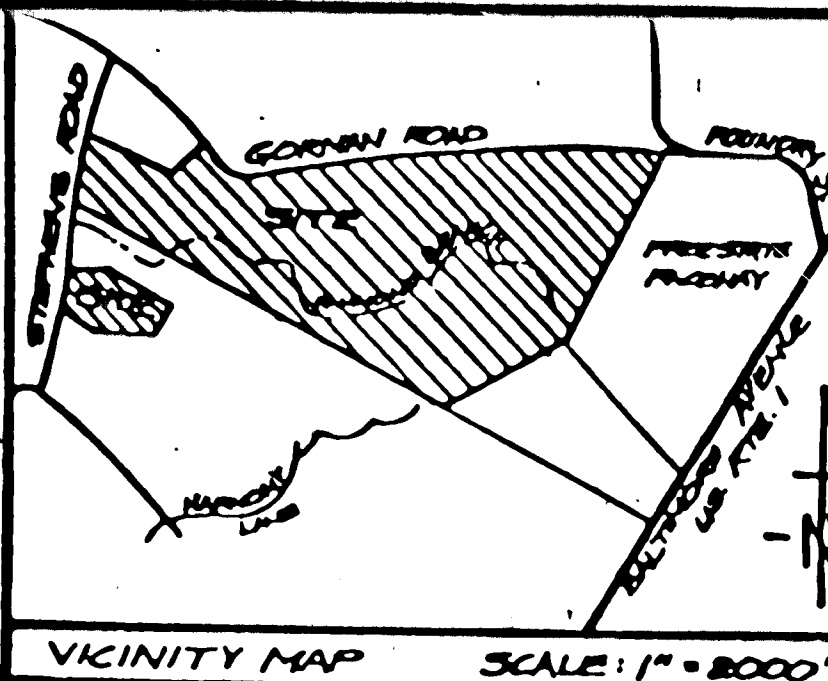


EROSION AND SEDIMENT CONTROL PLAN

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 7609 Standish Place, Rockville Md 20855 (301) 762-2220

BOWLING BROOK FARMS
 SECTION 1, AREA 2
 LOTS 72 THRU 211
 A RESUBDIVISION OF BOLLING BROOKE, LOT 2
 TAX MAP 47 PARCEL 141
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SURVEY P.H.R. & A.	DATE
DESIGN J.P.C.	5-29-87
DRAWN JDW/CSR	SHEET
CHECKED J.P.C.	13 of 14
SCALE 1" = 50'	FILE NO.
C.I. 2	2184-1-0



NOTE:

1. Protect disturbed fill area below Sediment Trap No. 4 with 4'-8" riprap.
2. Delay construction of Storm Drain Outfall in vicinity of Sediment Trap No. 5 until Contributing Drainage Area has been stabilized and removal of trap and Temp. Storm Drain Diversion has been authorized by the Sediment Control Inspector.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 11/16/87
 Chief, Division of Land Development & Zoning Administration Date

THIS PLAN FOR STREET AND UTILITY CONSTRUCTION ONLY

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

[Signature] 11-5-87
 U.S. Soil Conservation Service Date

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

APPROVED: *[Signature]* 11/10/87
 Chief, Bureau of Highways Date

APPROVED: *[Signature]* 11/10/87
 Chief, Bureau of Engineering Date

PLAN NUMBER	
SURVEY	PHR & A
DESIGN	JPC
DRAWN	JDW/CSR
CHECKED	JPC
SCALE	1" = 50'
FILE NO.	2184-1-0

NO.	DESCRIPTION	DATE	APPROVED	DATE
D	REVISED PER HSCD			10/19/87
C	REVISED TO SP-11			01/23/87
B	REVISED PER NO. 00			07/26/87
A	REVISED: G&A ADDED & LAYOUT INFO			02/18/87



EROSION AND SEDIMENT CONTROL PLAN

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BOWLING BROOK FARMS
 SECTION 1, AREA 2
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 A RESUBDIVISION OF BOLLING BROOKE, LOT 2
 TAX MAP 47 PARCEL 141
 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND