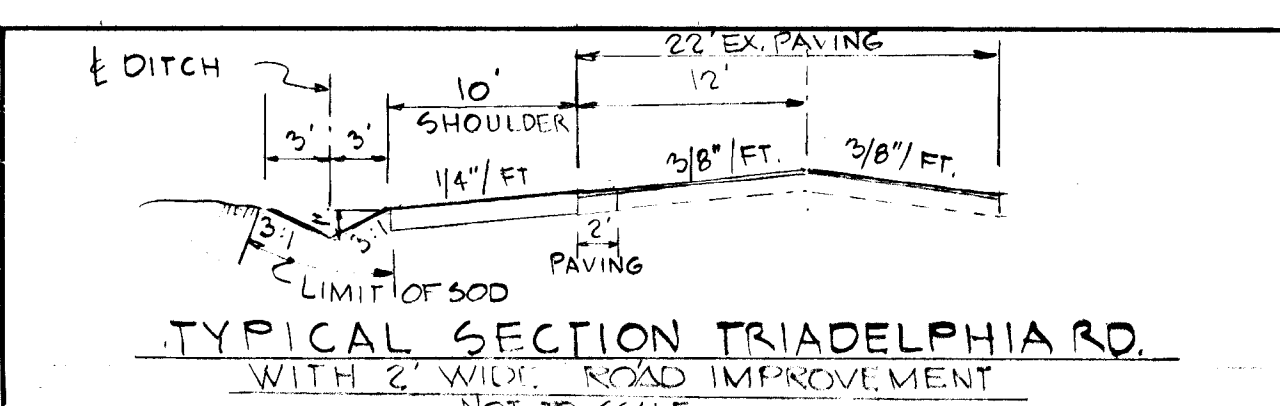
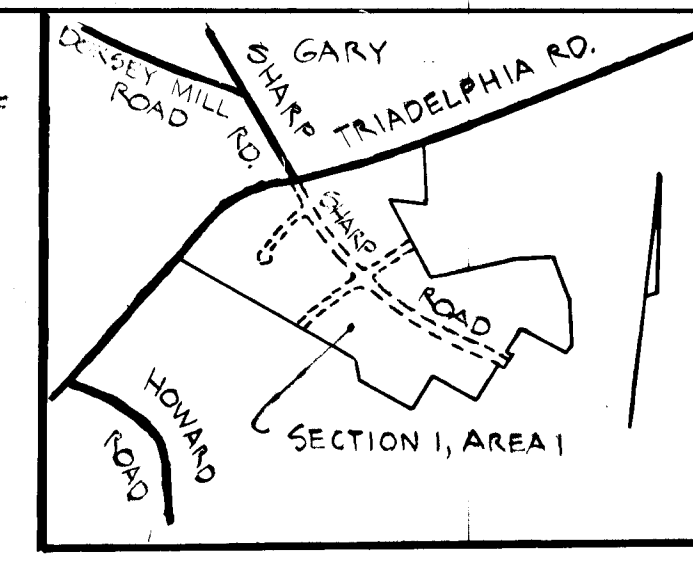
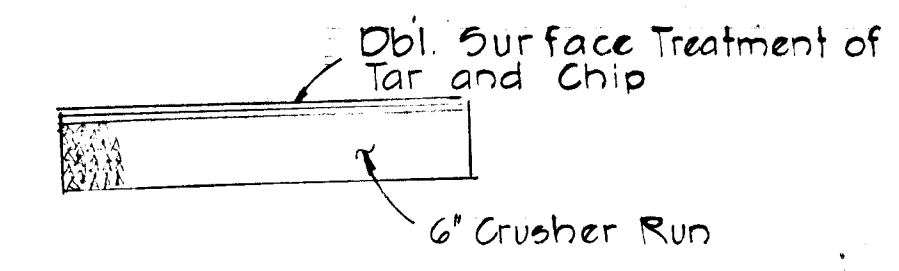


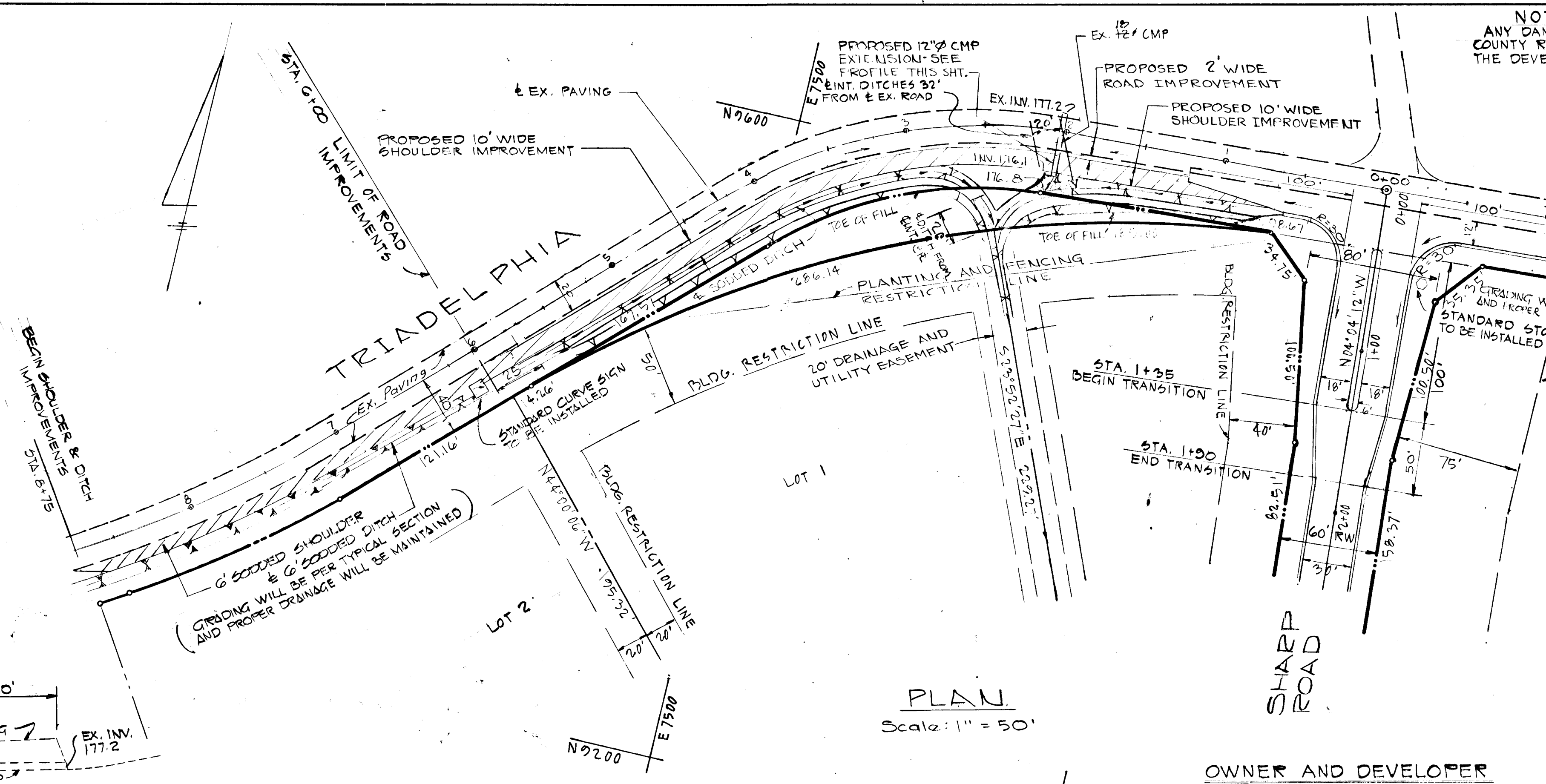
NOTE:
ANY DAMAGE DURING CONSTRUCTION TO THE EXISTING COUNTY ROAD WILL BE CORRECTED AT THE EXPENSE OF THE DEVELOPER.



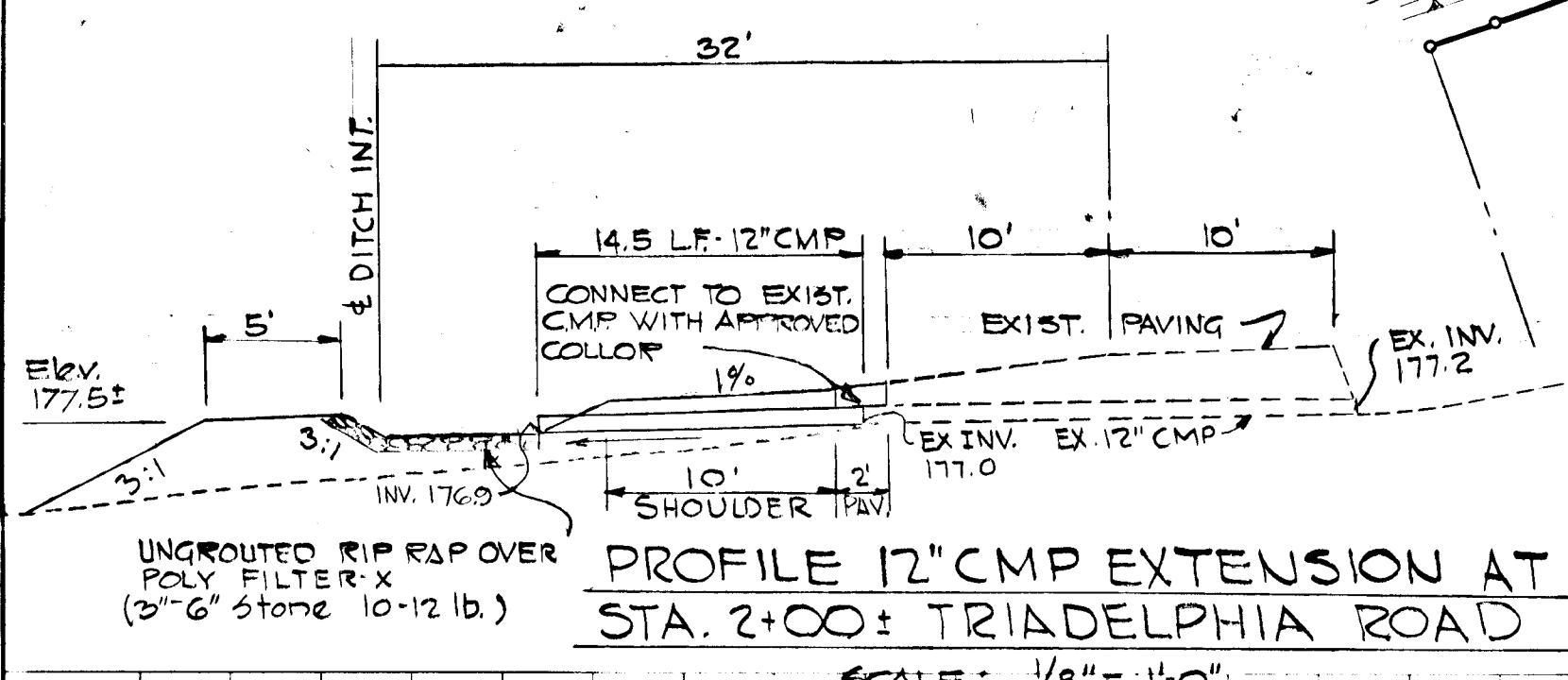
NOTE: THE PROPOSED PAVING SECTION FOR TRIADELPHIA ROAD IS TO BE THE SAME AS THAT SHOWN ON SHEET 2 OF 3.



THE CROSS SLOPE FOR THE 2' WIDENING AREA WILL BE CONSISTENT WITH THE EXISTING CROSS SLOPE OF TRIADELPHIA ROAD.

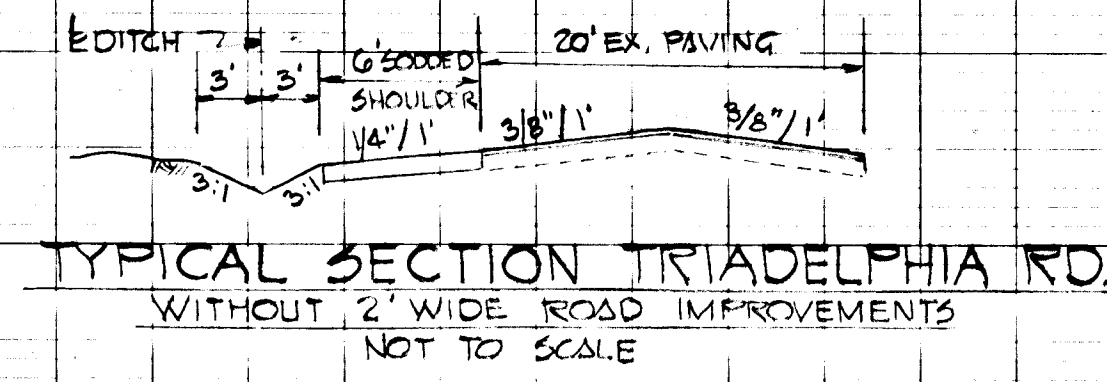


DEPARTMENT OF PUBLIC WORKS		12/2/75 DATE	
J. H. McNeilland CHIEF BUREAU OF PUBLIC HIGHWAYS		12/2/75 DATE	
OFFICE OF PLANNING AND ZONING			
J. H. Clawson CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING			
TITLE TRIADLPHIA ROAD STA. 0+00 TO 6+00		ENGINEERING PLANNING SURVEYING BY BOENDER ASSOCIATES INC.	
PROJECT THE HERITAGE			
LOCATION 5TH ELECTION DISTRICT ... HOWARD CO. MD.			
DATE: 8-1-75	DES. BY: R.J.L.	DRAWN BY: R.J.L.	CHKD. BY: J.L.S.
SCALE: AS SHOWN	JOB NO.: 7450	DRWG. NO.: 1 OF 3	BALTIMORE, MD. 465-7777 SALISBURY, MD. 749-1266

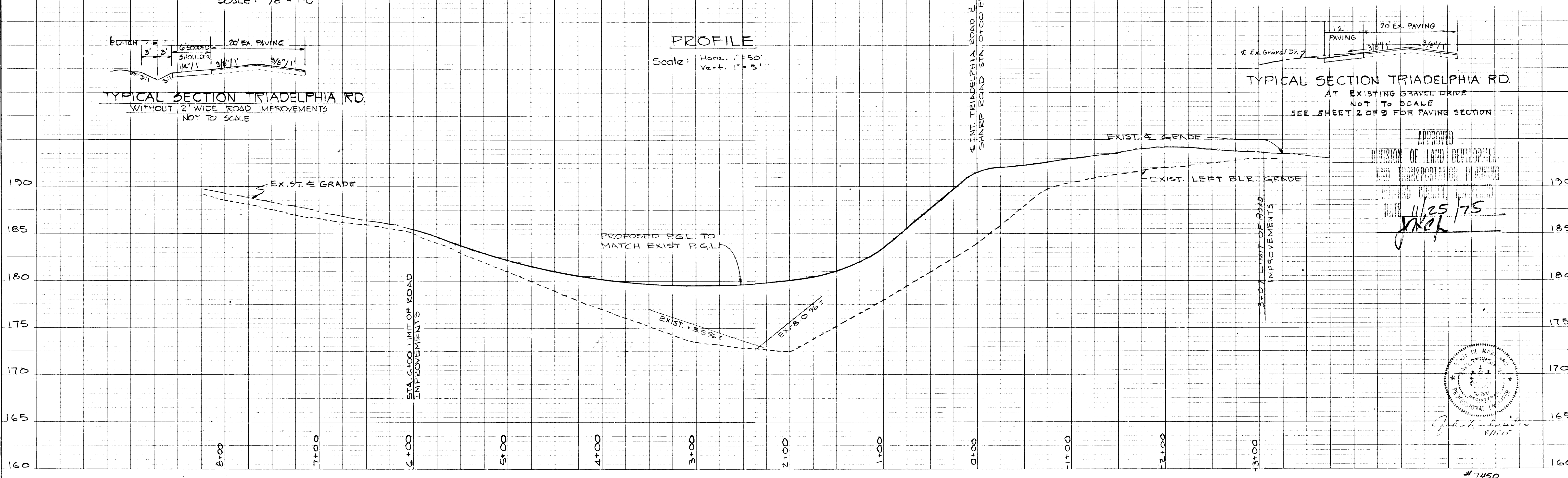
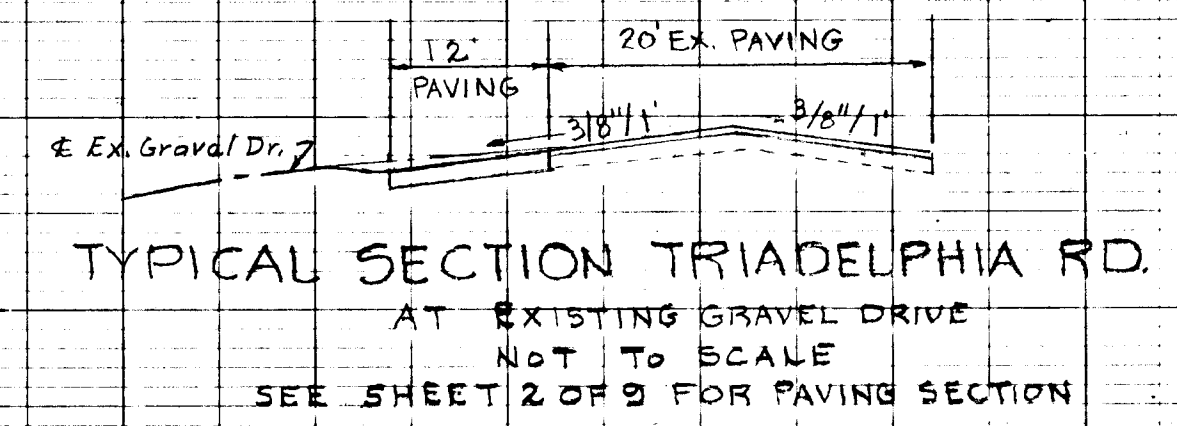


NOTE:
SEE SHEET 4 OF 3 FOR GENERAL NOTES.

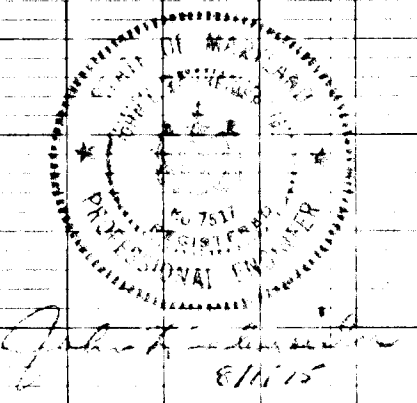
OWNER AND DEVELOPER
WALGROW JOINT VENTURE CO.
90 NORMAN REIZEN
271 MADISON AVENUE
NEW YORK, N.Y. 10018
TELEPHONE: (212) 866-0400



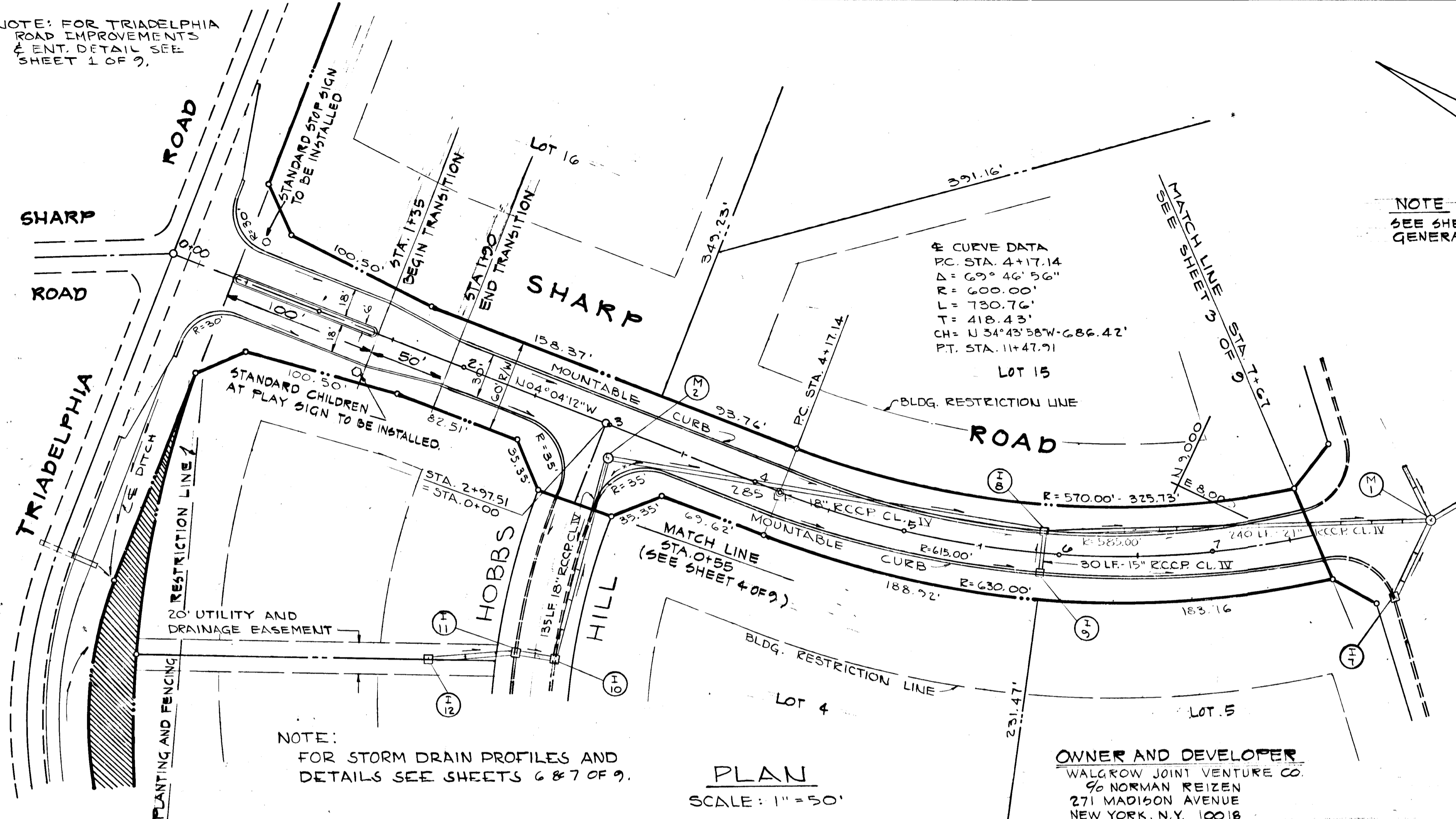
PROFILE
Scale: Horiz. 1" = 50'
Vert. 1" = 5'



APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
DATE: 11/25/75
J.M.C.



NOTE: FOR TRIADELPHIA ROAD IMPROVEMENTS SEE SHEET 1 OF 9. SEE SHEET 2 OF 9.

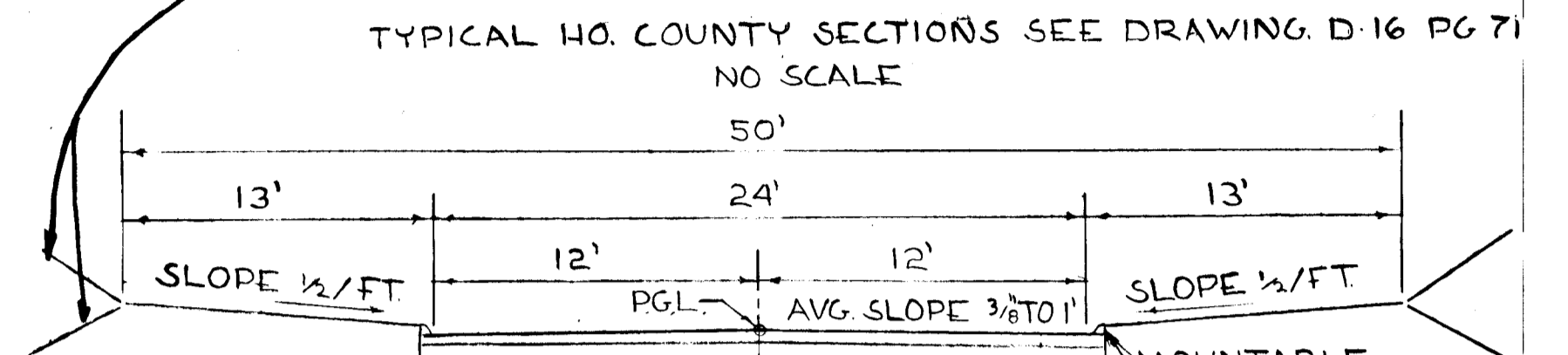
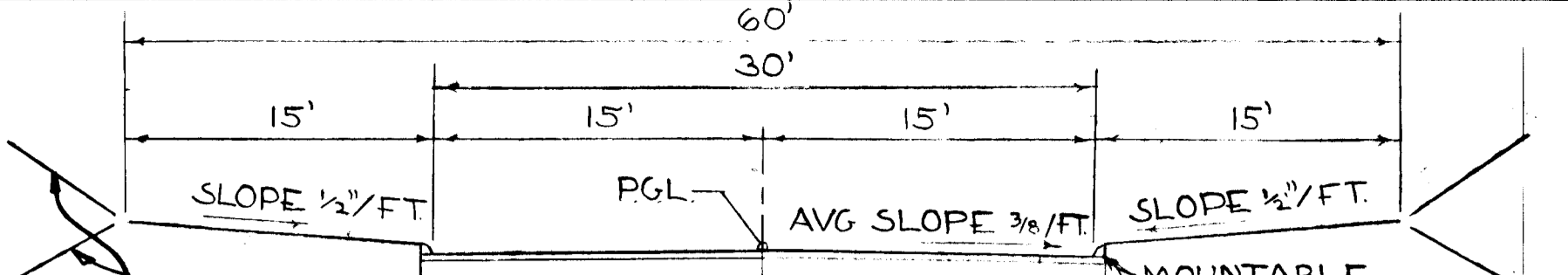


Curve Data:
PC STA. 4+17.14
D = 69° 46' 56"
R = 600.00'
L = 730.76'
T = 418.43'
CH = 1134' 43" 58" W - 286.42'
PT. STA. 11+47.91

NOTE: FOR STORM DRAIN PROFILES AND DETAILS SEE SHEETS 6 & 7 OF 9.

NOTE: SEE SHEET 4 OF 9 FOR GENERAL NOTES.

SLOPE AS DIRECTED BY THE HOWARD COUNTY ROADS DEPARTMENT



BIT CONC. SURFACE	1 1/2" BAND C3
BIT CONCRETE BASE	5" GRAVEL MIX

CLEARING AND GRADING ART C-1
SUBGRADE ART C-2
BASE COURSE ART C-33
SURFACE COURSE ART C-31

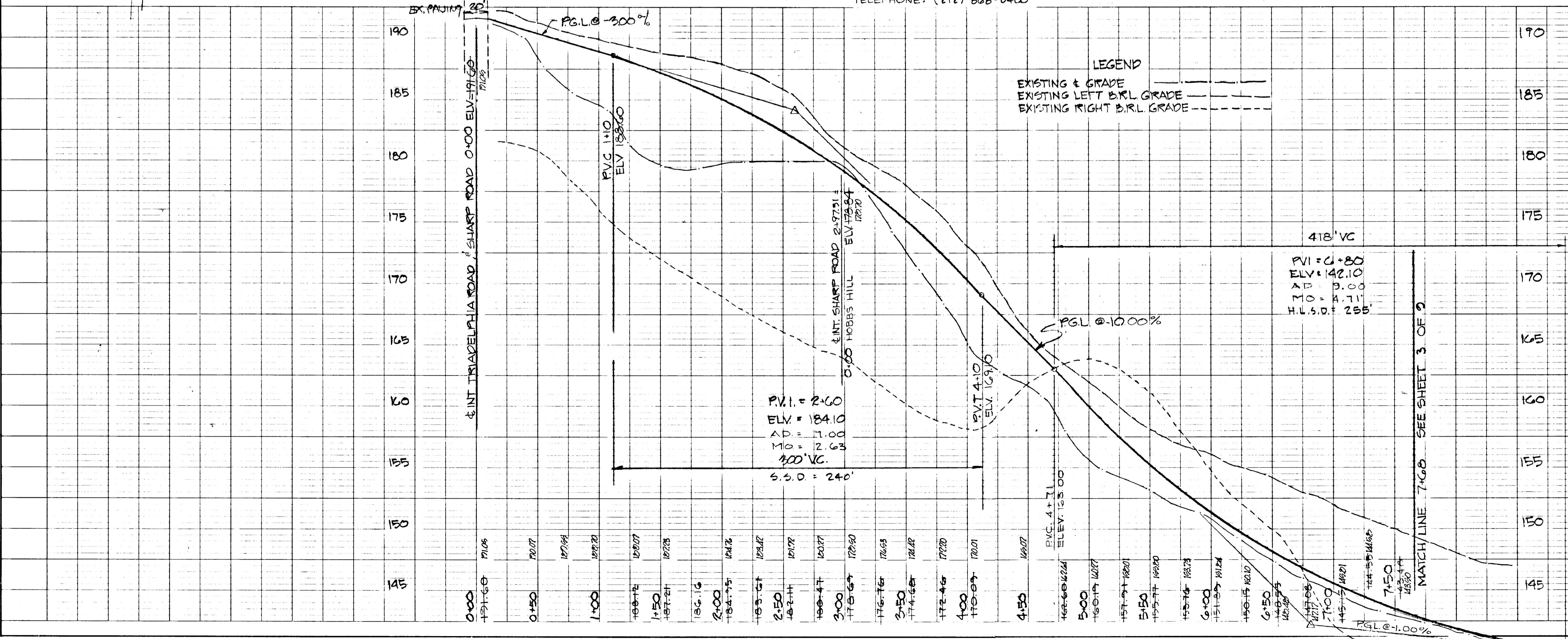
1. BASE WILL PRIME IN ACCORDANCE WITH SECTION C-30-3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECS.
2. TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECS.

TYP. PAVING SECTION
NOT TO SCALE

DEPARTMENT OF PUBLIC WORKS.		12/12/75	
CHIEF, BUREAU OF HIGHWAYS.		DATE	
OFFICE OF PLANNING AND ZONING.		12/10/75	
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING.		DATE	
TITLE	SHARP ROAD	ENGINEERING PLANNING SURVEYING BY:	BOENDER ASSOCIATES INC.
PROJECT	STA. 0+00 TO STA. 7+67		BALTIMORE, MD. 465-7777
LOCATION	5 ELECTION DISTRICT HOWARD CO. MD.		SALISBURY, MD. 749-1266
DATE:	8/1/75	DES. BY:	RJL
		DRAWN BY:	RJL
		CHKD. BY:	J.S.
SCALE:	AS SHOWN	JOB NO.:	7450
		DRWG. NO.:	2 OF 9

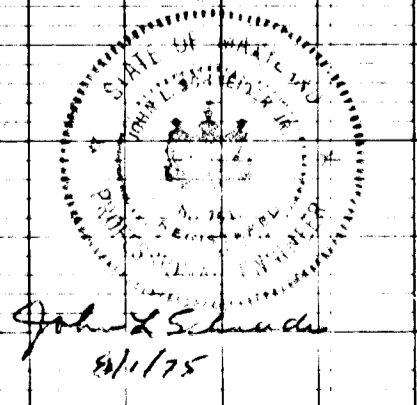
PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	ALIGNED CHECKED	
	NO. 1	
	STRUCTURE NOTING CHECKED	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	ALIGNED CHECKED	
	NO. 1	
	STRUCTURE NOTING CHECKED	



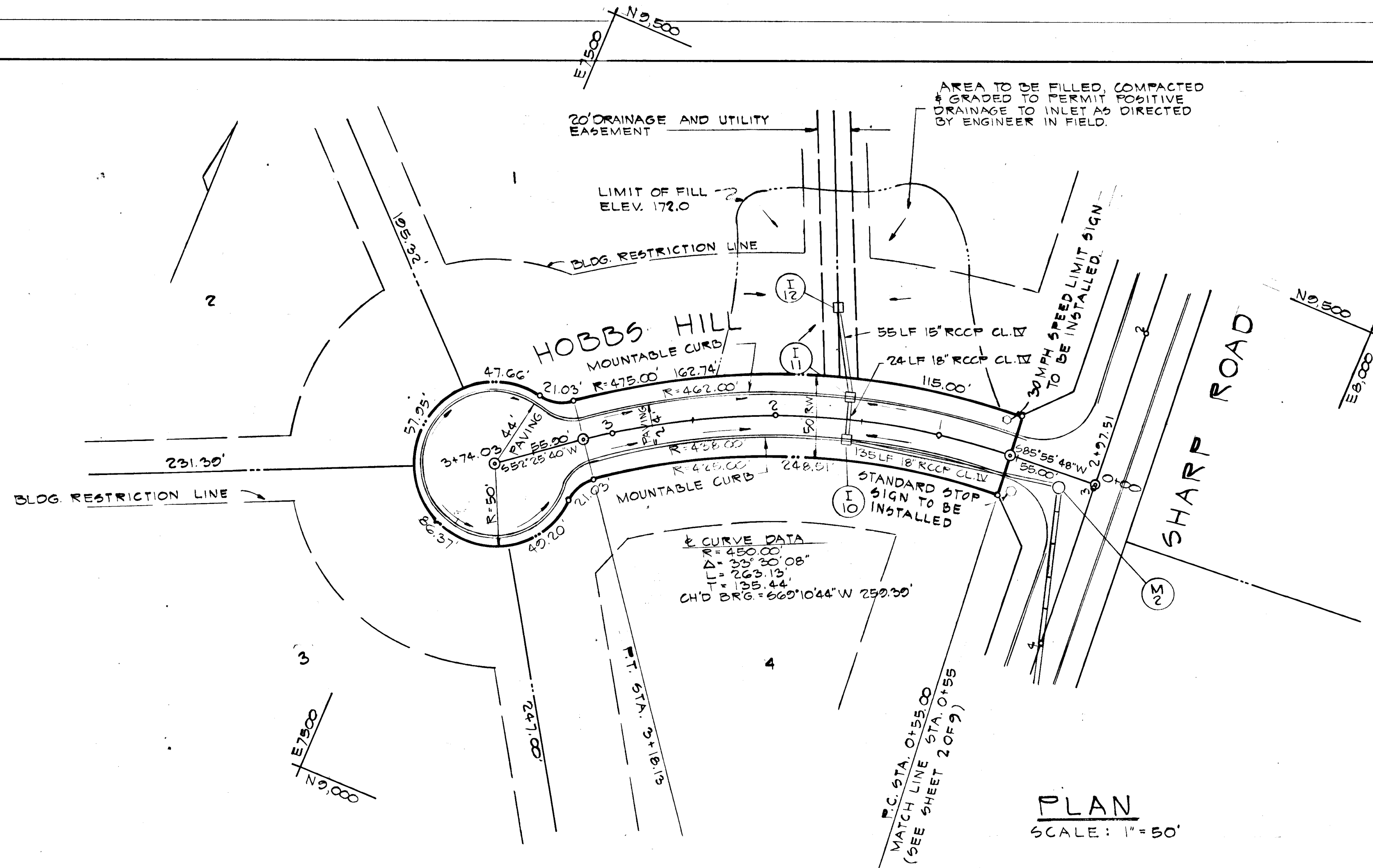
PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

APPROVED
OFFICE OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
11/25/75
J.S.



DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	
ST. OF WAY CHECKED	

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	
STRUCTURE VOTER'S CHECK	



PLAN
SCALE: 1"=50'

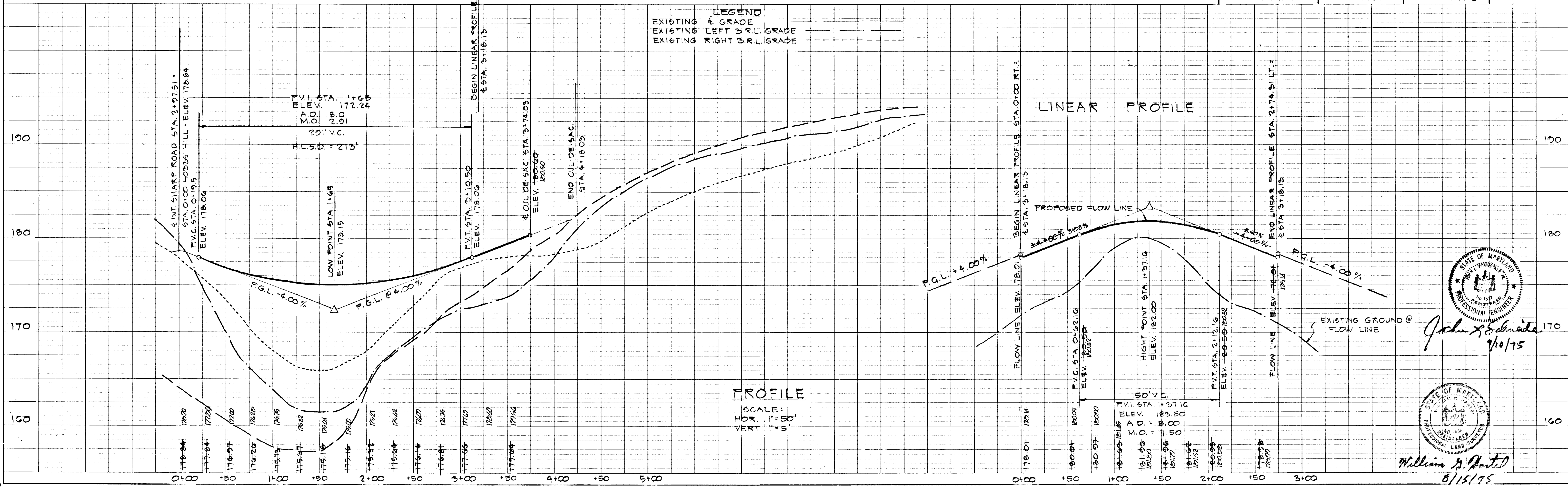
NOTE:
FOR STORM DRAIN PROFILES AND DETAILS (SEE SHEETS 6 & 7 OF 7)

GENERAL CONSTRUCTION NOTES
1. ALL ROAD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATION.
2. DESIGN SPEED ON ALL ROADS SHALL BE 30 MPH EXCEPT SHARP ROAD WHICH SHALL BE 35 MPH.

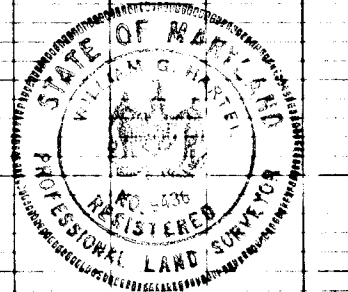
APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 11/25/75
J. H. Clewley

DEPARTMENT OF PUBLIC WORKS			
<i>D. M. McCreary</i>		12/12/75	
BUREAU OF HIGHWAYS			
DATE			
OFFICE OF PLANNING AND ZONING			
<i>J. H. Clewley</i>		12/10/75	
DATE			
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING			
TITLE		HOBBS HILL	
PROJECT		STA. 0+00 TO STA. 3+74	
LOCATION		5TH ELECTION DISTRICT HOWARD CO., MD.	
DATE		8/14/75	
DES. BY		R.J.L.	
DRAWN BY		T.O.	
CHKD. BY		J.S.	
SCALE		AS SHOWN	
JOB NO.		7450	
DRWG. NO.		4 OF 9	
ENGINEERING PLANNING SURVEYING BY		BOENDER ASSOCIATES INC.	
BALTIMORE, MD. 465-7777		SALISBURY, MD. 749-1266	

OWNER AND DEVELOPER
WALGROW JOINT VENTURE CO.
90 NORMAN REIZEN
271 MADISON AVENUE
NEW YORK, NY. 10018
TELEPHONE: (212) 868-0400



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



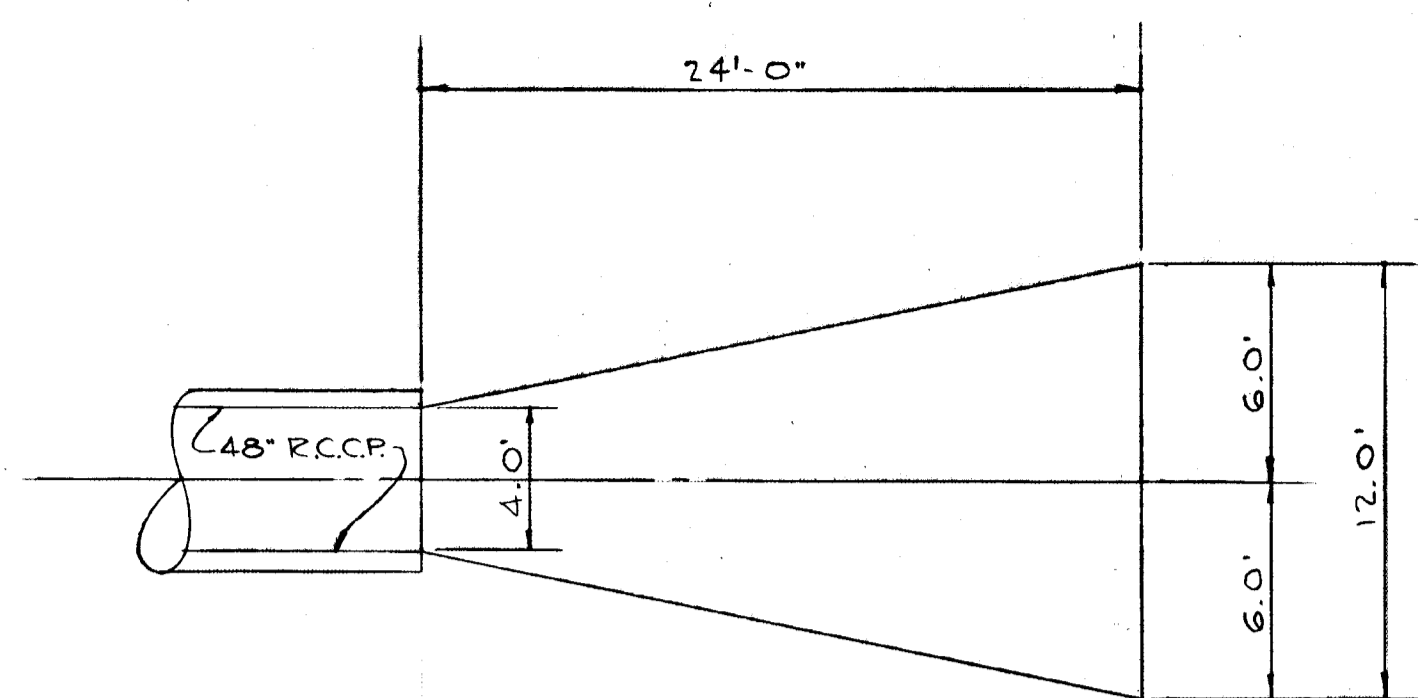
William B. Rantz
8/15/75

STORM DRAIN STRUCTURE SCHEDULE

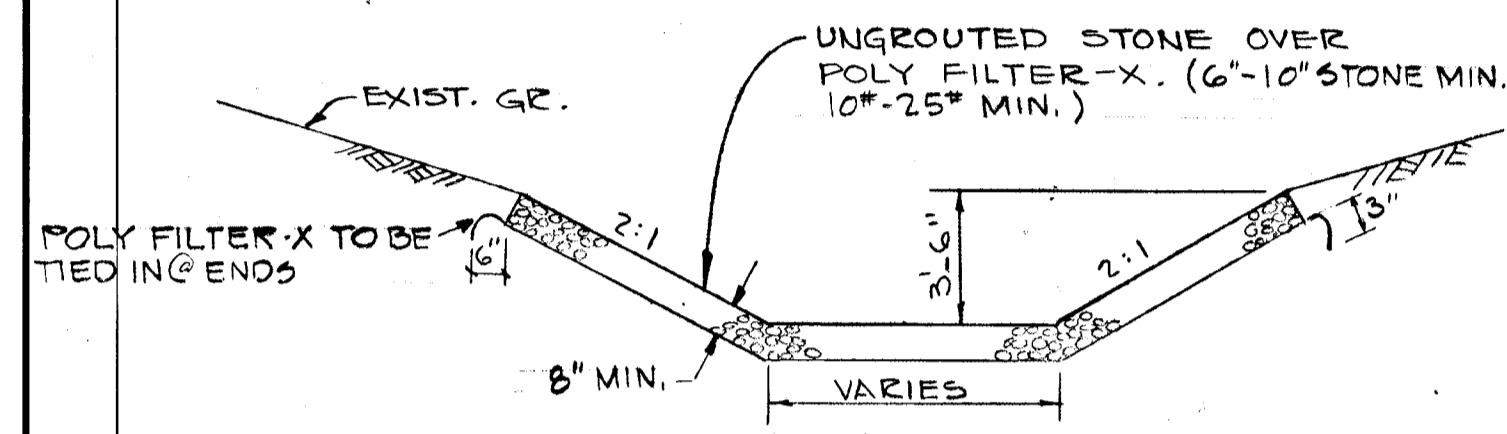
ROAD	NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	STA. OR LOCATION	REMARKS
SHARP ROAD	I-1	CLASS 'A'-5	127.10	127.10	132.17	± STA. 10+90 - 15' RT.	SEE HO. CO. STD. DETAILS DRWG. D-64-A PAGE 119-A
"	I-2	CL. A-10 W/ DEFLECTORS	131.47	131.47	132.17	± STA. 10+90 - 15' LT.	" " " " D-64-B " 119-B
"	I-3	CL. A-10 W/ DEFLECTORS	142.00	139.28	142.00	± STA. 14+10 - 15' LT.	" " " " D-64-B " 119-B
DAY FARM ROAD	I-4	CLASS 'C'-YARD	149.28	149.28	149.28	± STA. 14+10 - 115' LT.	" " " " D-64-C " 119-C
"	I-5	CLASS A-10	137.34	134.89	142.24	± STA. 0+56 - 12' RT.	" " " " D-64-B " 119-B
"	I-6	CL. A-10 W/ DEFLECTORS	132.17	132.17	142.24	± STA. 0+56 - 12' LT.	" " " " D-64-B " 119-B
"	I-7	CL. A-10 W/ DEFLECTORS	136.54	141.00	141.00	± STA. 0+55 - 12' RT.	" " " " D-64-B " 119-B
SHARP ROAD	I-8	CL. A-10 W/ DEFLECTORS	149.70	142.70	152.70	± STA. 5+90 - 15' LT.	" " " " D-64-B " 119-B
"	I-9	CL. A-10 W/ DEFLECTORS	145.88	152.70	152.70	± STA. 5+90 - 15' RT.	" " " " D-64-B " 119-B
HOBBS HILL	I-10	CLASS 'S' COMB. UNDER	165.88	162.02	174.70	± STA. 1+55 - 12' LT.	" " " " D-28 " 153
"	I-11	CLASS 'S' COMB. UNDER	166.84	165.01	174.70	± STA. 1+55 - 12' RT.	" " " " D-28 " 153
"	I-12	CLASS 'C'-YARD	166.84	166.75	171.00	± STA. 1+68 - 68' RT.	" " " " D-64-C " 119-C
SHARP ROAD	M-1	STD. MANHOLE	153.66	151.47	140.46	± STA. 8+40 - 12' RT.	" " " " D-103 " 158
HOBBS HILL	M-2	STD. MANHOLE	162.49	162.40	171.40	± STA. 0+20 - 10' LT.	" " " " D-103 " 158
"	S-1	STD. TYPE 'C' ENDWALL	-	124.67	127.00	± STA. 10+90 - 250' RT.	" " " " D-62 " 107

OUTFALL DESIGN DATA

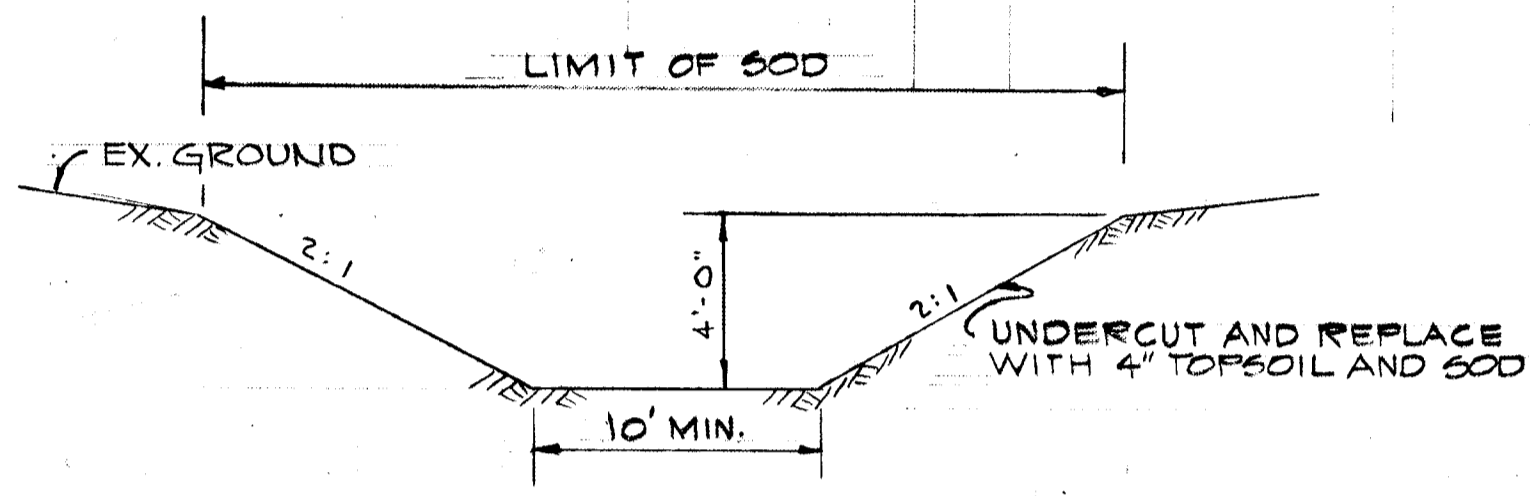
$A = 66.50$
 $WP = 27.65$
 $HE = 2.41$
 $S = 0.005$
 $n = 0.004$
 $V = 4.72$
 $Q = 313.91 CFS$
 $Q_{Regd} = 112.6 CFS$



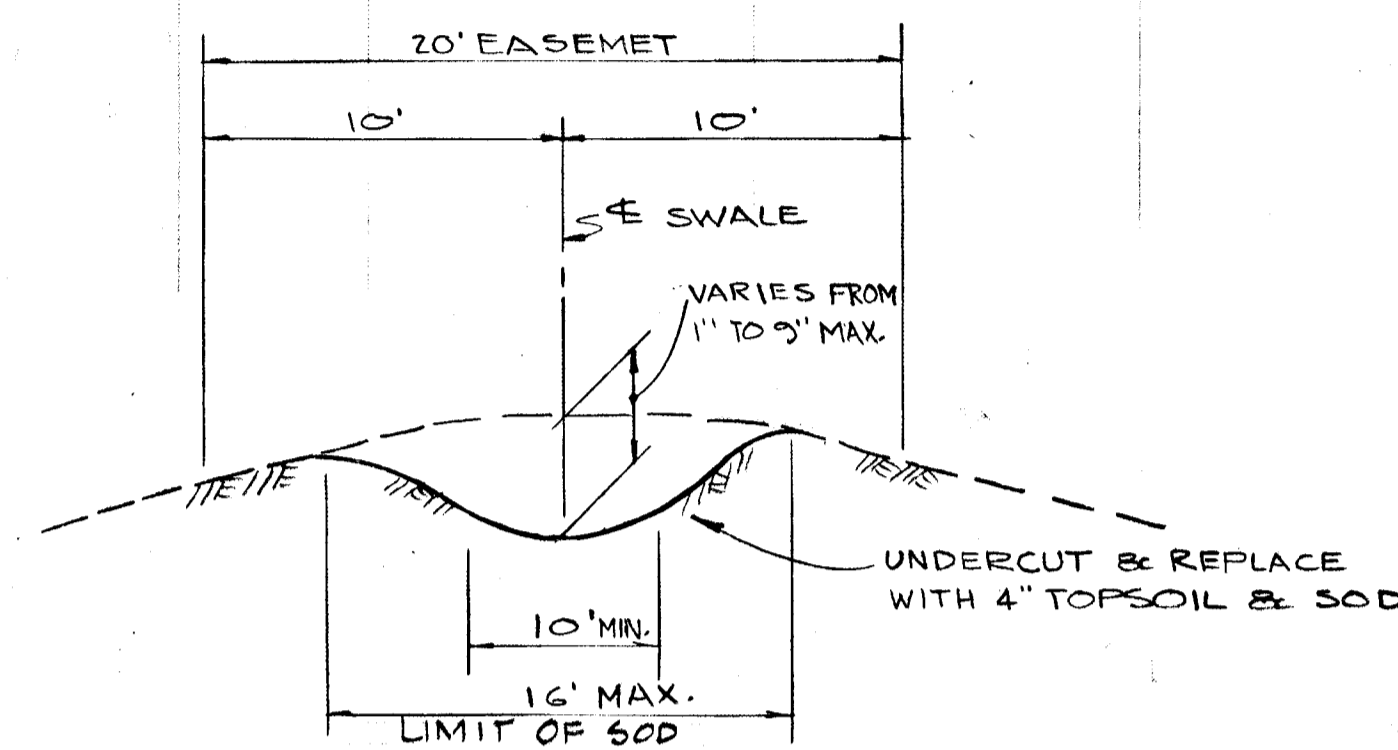
PLAN VIEW
STONE OUTFALL S-1



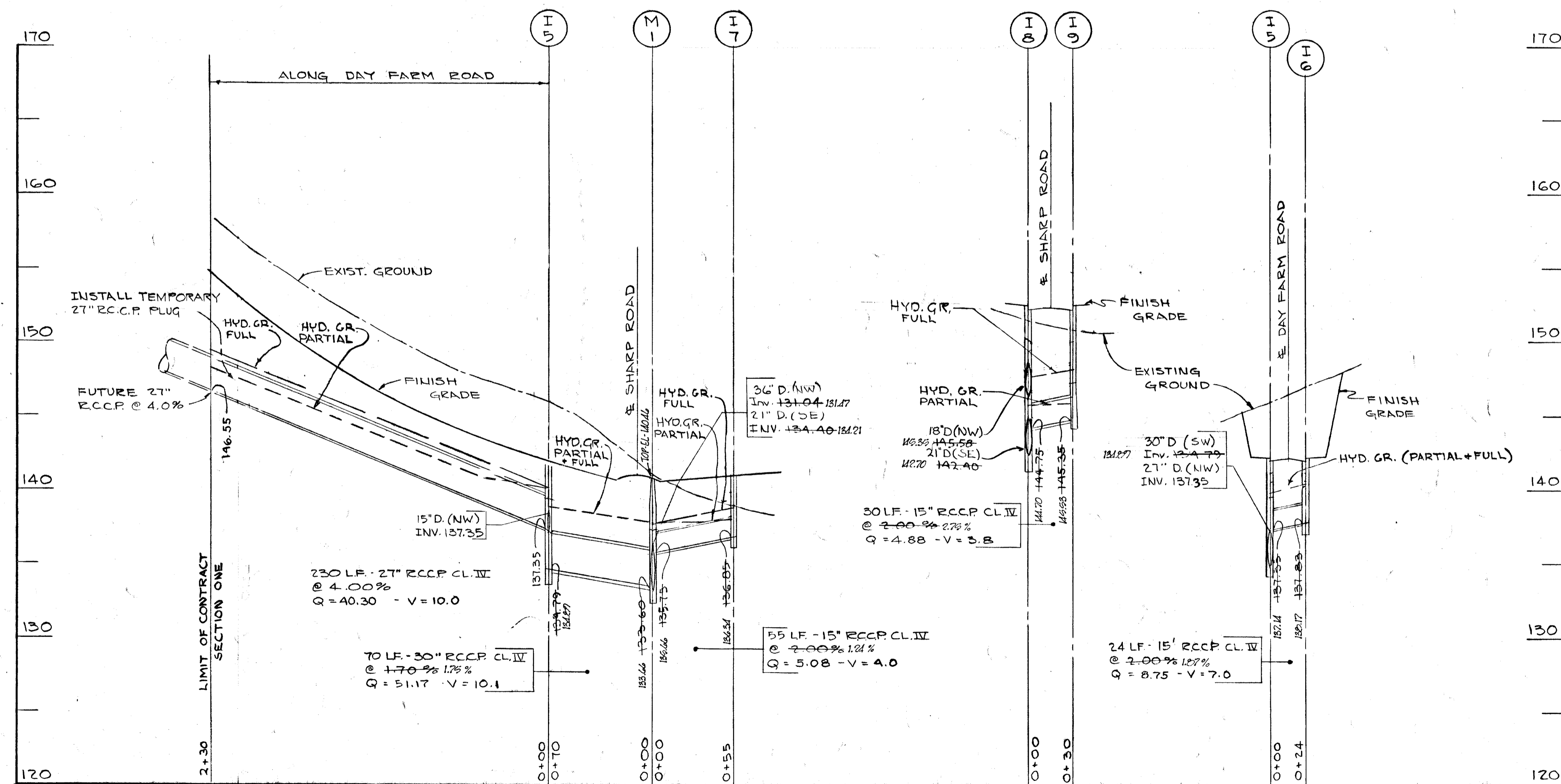
TYPICAL SECTION
STONE OUTFALL
S-1



TYPICAL SECTION
SODDED DITCH S-1



TYPICAL SODDED SWALE
NOT TO SCALE



NOTE:
SEE SHEET 4 OF 8 FOR
GENERAL NOTES.

OWNER AND DEVELOPER
WALGROW JOINT VENTURE CO.
C/O NORMAN REIZEN
271 MADISON AVENUE
NEW YORK, N.Y. 10018
TELEPHONE: (212) 868-0400

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 11/25/75

DEPARTMENT OF PUBLIC WORKS
B. M. McLeod 12/12/75
CHIEF, BUREAU OF PUBLIC HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

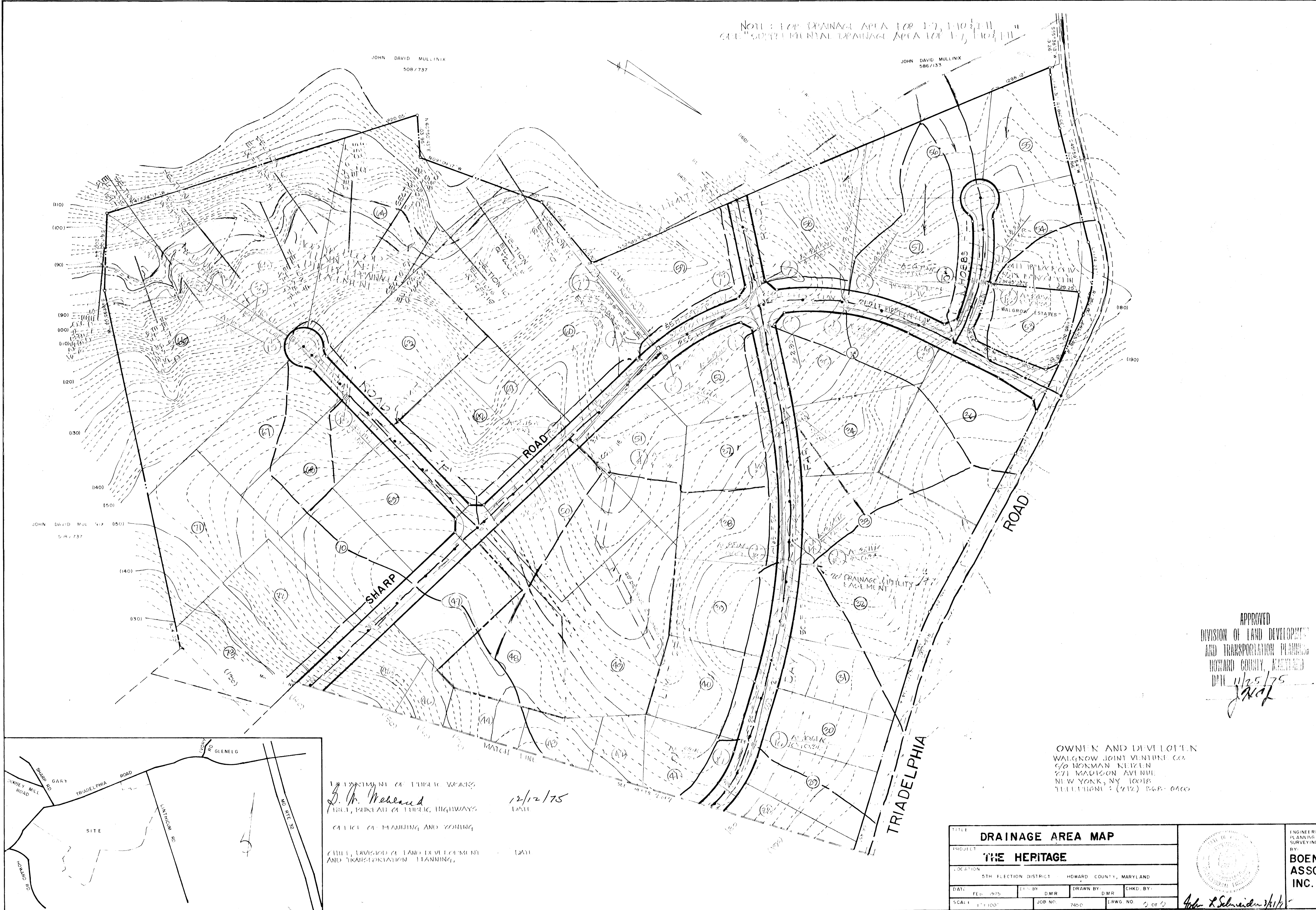
PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

TITLE STORM DRAIN PROFILES			ENGINEERING PLANNING SURVEYING BY BOENDER ASSOCIATES INC. BALTIMORE, MD. 465-7777 SALISBURY, MD. 749-1286
PROJECT THE HERITAGE			
LOCATION 5 ELECTION DISTRICT HOWARD CO. MD.		DATE 8/1/75 DES. BY R.J.L. DRAWN BY R.J.L. CHKD. BY J.L.S.	
SCALE: AS SHOWN	JOB NO. 7450	DRWG. NO. 7 OF 9	DATE 8/1/75

NOTE: FOR DRAINAGE AREA FOR 1-7, 1-10, 1-11
 SEE SUPPLEMENTAL DRAINAGE AREA FOR 1-7, 1-10, 1-11

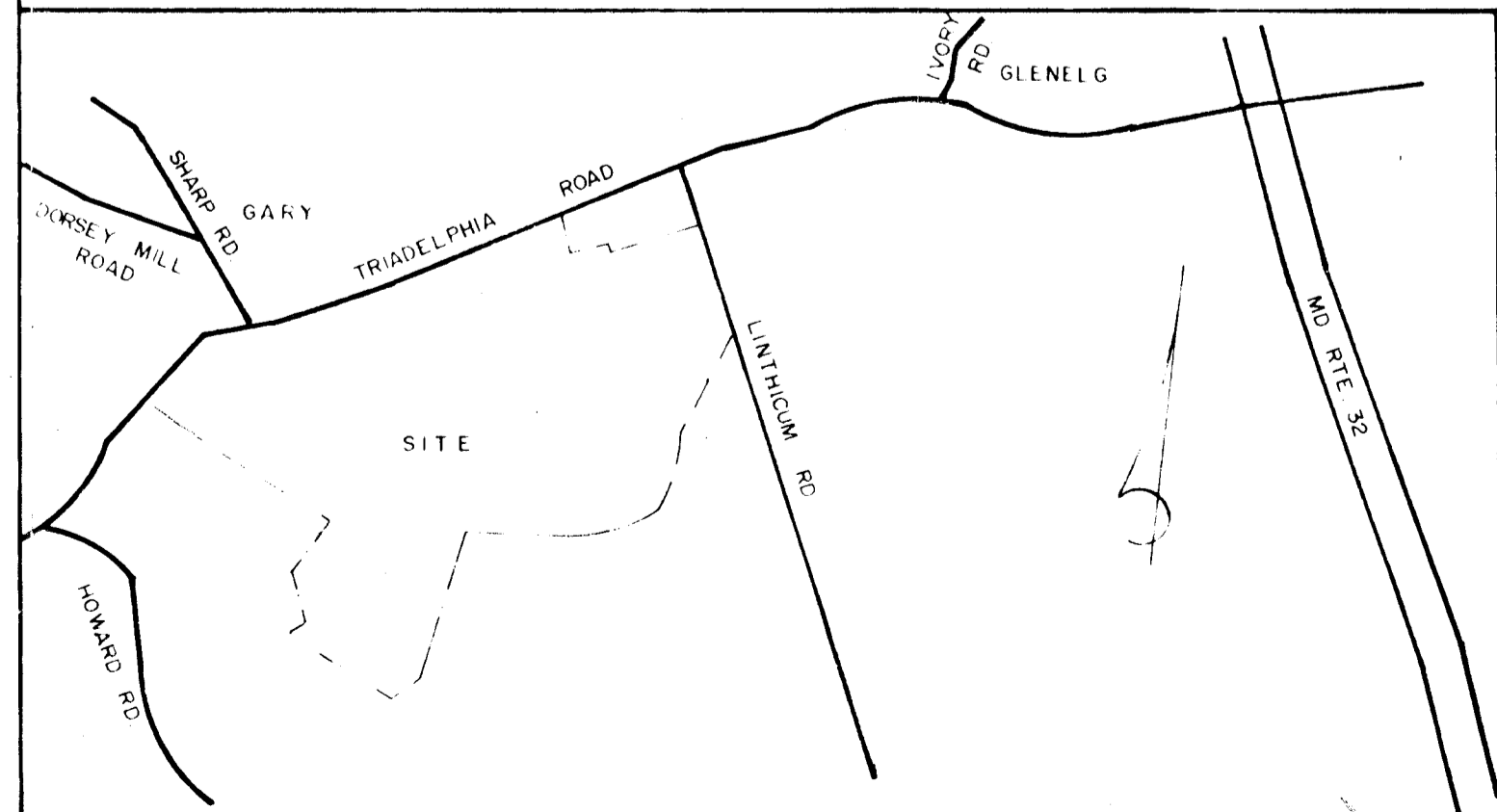
JOHN DAVID MULLINIX
 508/737

JOHN DAVID MULLINIX
 508/133



APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 11/25/75
J.M.C.

OWNER AND DEVELOPER
 WALGROW JOINT VENTURE CO.
 c/o NORMAN KLEIN
 771 MADISON AVENUE
 NEW YORK, NY 10017
 TELEPHONE: (212) 668-0400



DEPARTMENT OF PUBLIC WORKS
J. M. McLeod
 CHIEF, BUREAU OF PUBLIC HIGHWAYS
 DATE 12/12/75

OFFICE OF PLANNING AND ZONING
 DATE

CITY, DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 DATE

TITLE DRAINAGE AREA MAP			
PROJECT THE HERITAGE			
LOCATION 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
DATE FEB. 1975	DESIGNED BY DMR	DRAWN BY DMR	CHECKED BY
SCALE 1" = 100'	JOB NO. 7450	DRWG. NO. 2 OF 2	



ENGINEERING
 PLANNING
 SURVEYING
 BY
**BOENDER
 ASSOC.
 INC.**

John L. Schneider 11/17/75