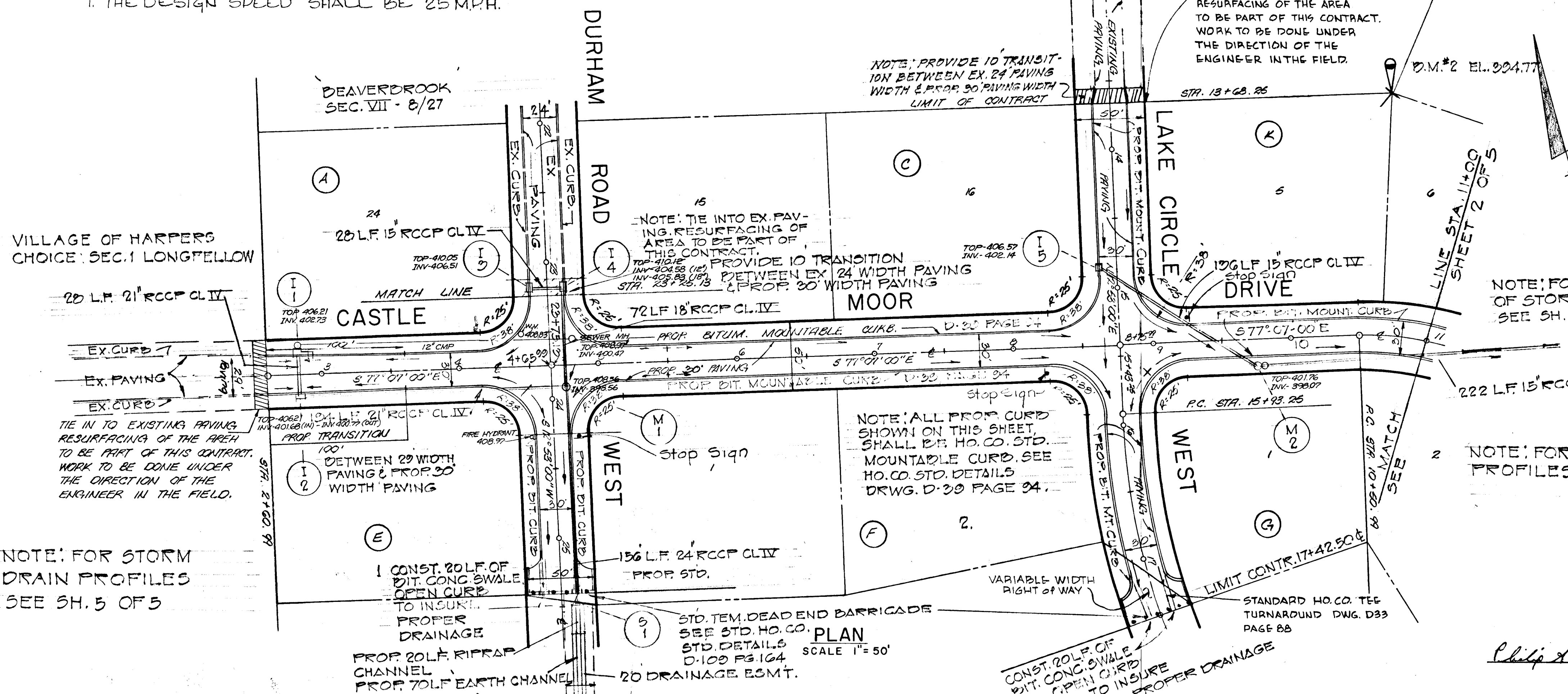


GENERAL NOTES
 1. THE DESIGN SPEED SHALL BE 25 M.P.H.

STRUCTURE		SCHEDULE				REMARKS
N°	TYPE	STATION	INV. IN	INV. OUT	TOP EL.	
I-1	STD. CL. 8" INLET	2+84.97 & LT. 14.83 & BOX	-	401.21	406.67	
I-2	STD. CL. A-5 INLET	2+84.97 & RT. 14.83 & BOX	400.00	400.70	406.67	
I-3	STD. CL. S INLET	23+20 & RT. 10.72	-	403.17	410.41	
I-4	STD. CL. S INLET	23+20 & LT. 10.72	404.00	404.70	410.41	
I-5	STD. CL. S INLET	14+88.25 & RT. 10.72	-	401.76	406.20	
M-1	STD. MANHOLE	4+78 & RT. 14.00	397.45	397.15	408.20	
M-2	STD. MANHOLE	2+75 & RT. 20.00	397.45	397.15	402.45	
S-1	STD. C ENDWALL	AS SHOWN	-	392.81	395.56	

NOTE: I-1 SHALL BE STD. CL. 8" INLET SEE HO. CO. STD. DETAIL DRWG. 64-B PG. 110-B
 I-2 SHALL BE STD. CL. A-5 INLET SEE HO. CO. STD. DETAILS DRWG. 64-A PG. 110-A
 I-3, I-4, I-5 SHALL BE STD. CL. S INLETS SEE HO. CO. STD. DETAILS DRWG. 98 PG. 150
 M-1, M-2 SHALL BE STD. MANHOLES SEE HO. CO. STD. DETAILS DRWG. 103 PG. 150
 S-1 " " " " TYPE C ENDWALL " " " " D-52 PG. 107



PLAN & PROFILE OF CASTLE MOOR DRIVE SECTION 8

BEAVERBROOK

FIFTH ELECTION DISTRICT HOWARD COUNTY, MD. SCALE AS SHOWN

SHEET 1 of 5

F.G. MARKER and CO. INC.
 7580 ANNAPOLIS ROAD
 LANHAM, MARYLAND 20801

BOENDER ASSOCIATES
 8726 TOWN & COUNTRY BLVD.
 ELLICOTT CITY, MARYLAND 21043



Philip A. Papetta 11/22/72

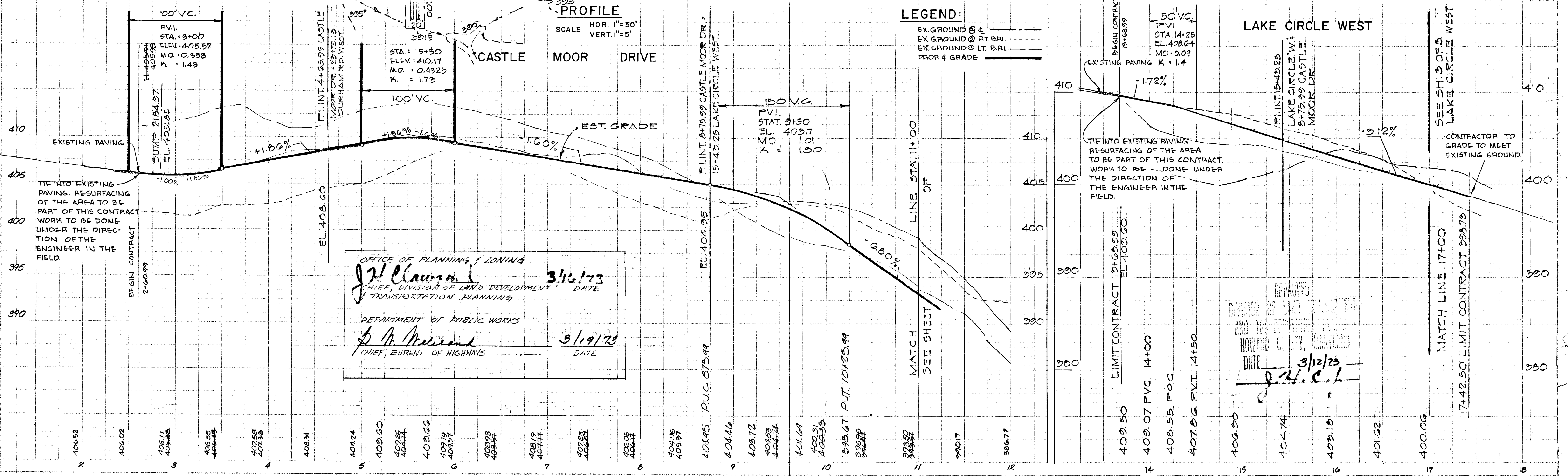
NOTE: FOR STORM DRAIN PROFILES SEE SH. 5 OF 5

NOTE: FOR CONTINUATION OF STORM DRAIN PLAN SEE SH. OF

NOTE: FOR STORM DRAIN PROFILES SEE SH 5 OF 5

PROFILE

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



LEGEND:

- EX. GROUND @ &
- EX. GROUND @ RT. B.L.
- EX. GROUND @ LT. B.L.
- PROP. & GRADE

OFFICE OF PLANNING & ZONING
 J. J. Clawson, Chief, Division of Land Development & Transportation Planning, DATE 3/16/73

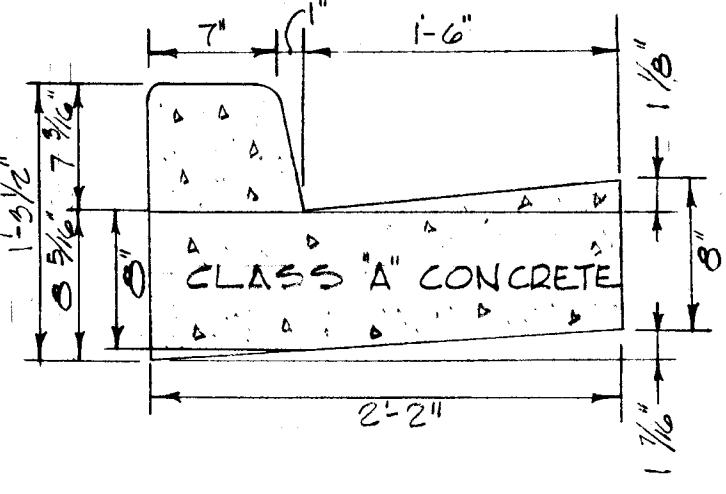
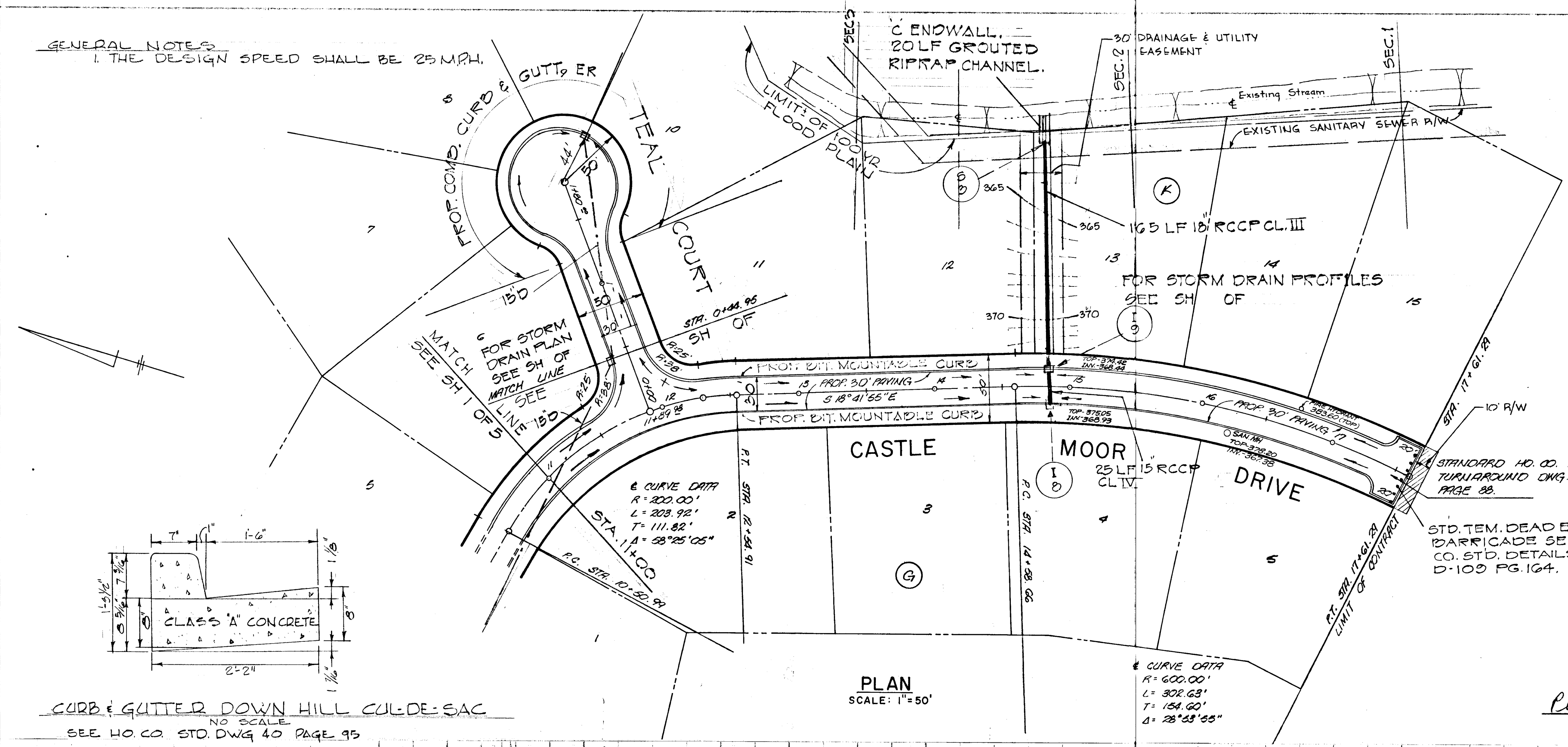
DEPARTMENT OF PUBLIC WORKS
 S. M. McCreary, Chief, Bureau of Highways, DATE 3/19/73

DATE 3/12/73
 J. H. C. H.

GENERAL NOTES
 1. THE DESIGN SPEED SHALL BE 25 MPH.

STRUCTURE SCHEDULE						
Nº	TYPE	STATION	INV. IN	INV. OUT	TOP EL.	REMARKS
1-8	STD. CL. 10 INLET	14+80 & 14.85 RT.	368.15	374.97		
1-9	STD. CL. 5 INLET	14+80 & 11.00 LT.	368.40	368.15	374.25	TOP GRATE
5-2	STD. C. ENDWALL	AS SHOWN	363.20	363.45		

1-8 SHALL BE A STD. CL. 10 INLET. SEE HO. CO. STD. DETAILS DRWG. 64-B PAGE 110-B
 1-9 " " " " CL. 5 INLET " " " " DRWG. 98 PAGE 130
 5-2 " " " " TYPE C ENDWALL. SEE HO. STD. DETAILS DRWG. D-52 PAGE 107



CURB & GUTTER DOWN HILL CUL-DE-SAC
 NO SCALE
 SEE HO. CO. STD. DWG 40 PAGE 95

PLAN
 SCALE: 1"=50'

PLAN & PROFILE OF CASTLE MOOR DRIVE
 SECTION 8

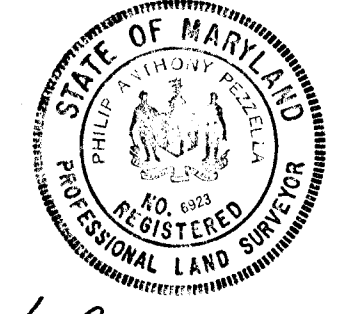
BEAVER BROOK

FIFTH ELECTION DISTRICT HOWARD COUNTY, MD.
 SCALE: AS SHOWN

SHEET 2 of 5

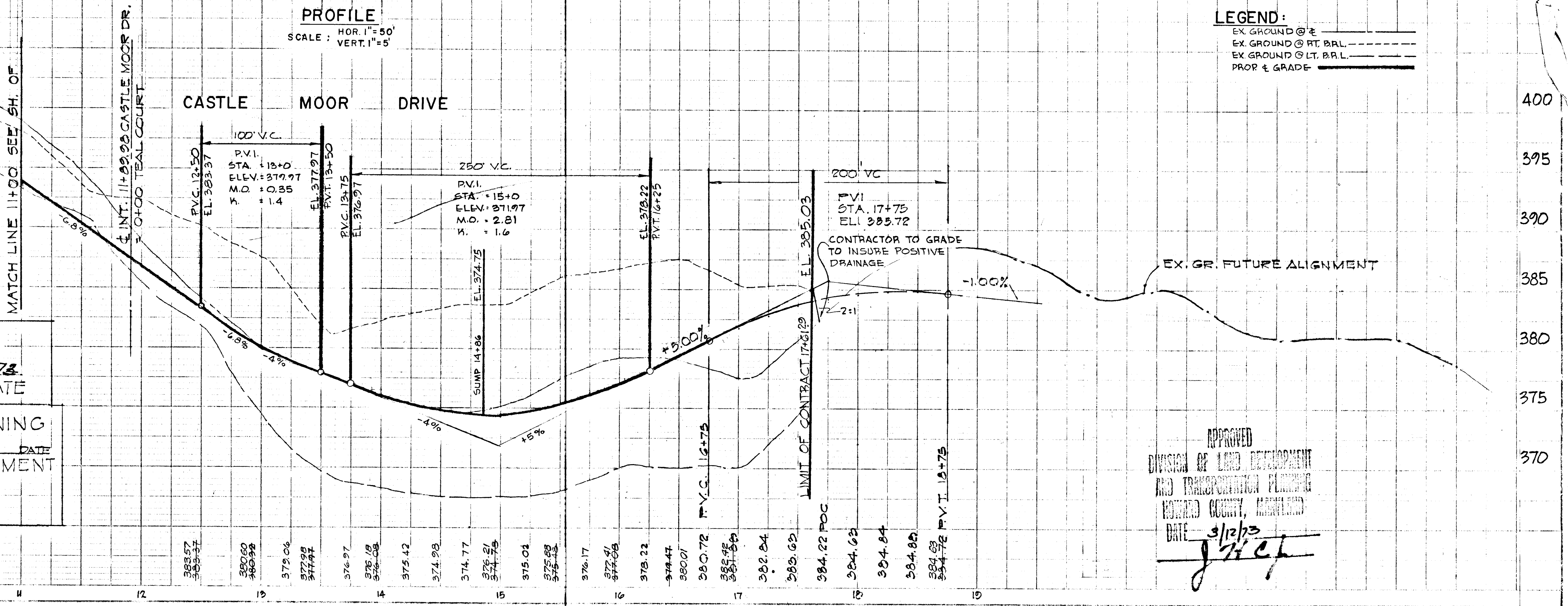
F.G. MARKER and CO. INC.
 7580 ANNAPOLIS ROAD
 LANHAM, MARYLAND 20801

BOENDER ASSOCIATES
 8726 TOWN & COUNTRY BLVD
 ELLICOTT CITY, MARYLAND 21043



Philip A. Pegella 11/22/72

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



LEGEND:
 EX. GROUND @ RT. B.R.L.
 EX. GROUND @ LT. B.R.L.
 PROP. & GRADE

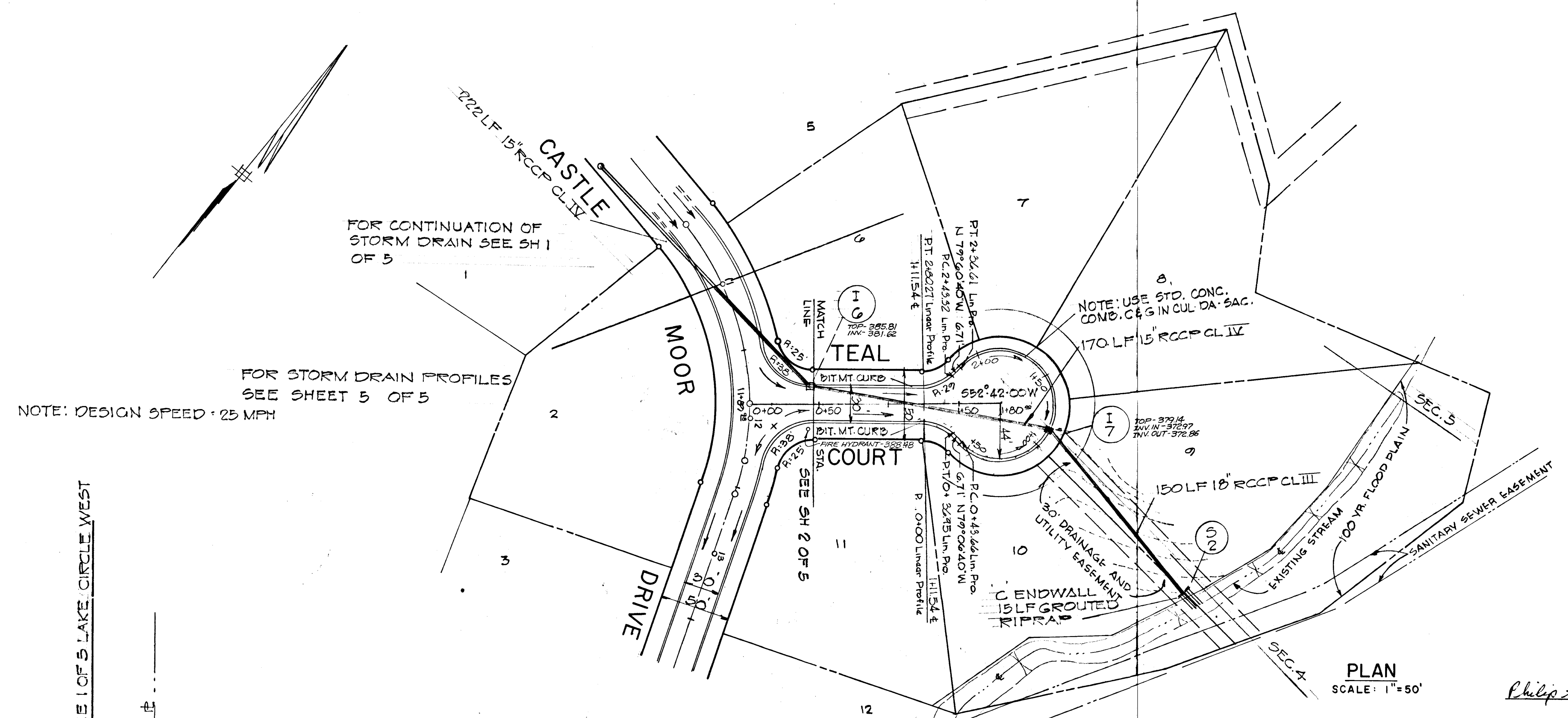
DEPARTMENT OF PUBLIC WORKS
B. M. McKeown 3/19/73
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING
J. R. Clavon 3/16/73
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

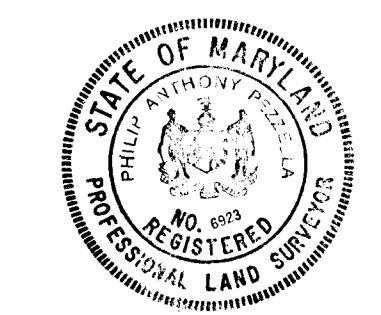
APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 3/12/73
J. R. Clavon

STRUCTURE		SCHEDULE				
Nº	TYPE	STATION	INV. IN	INV. OUT	TOP EL.	REMARKS
I-6	STD. CL. S INLET	0+42.4	381.05	380.85	385.20*	*GRATE
I-7	STD. CL. S INLET	1+00 LIN.	372.65	372.40	372.71	
5-2	STD. C ENDWALL	AS SHOWN		370.92	372.55	

NOTE:
 I-6 & I-7 SHALL BE STD. CLASS S INLETS, SEE HO. CO. STD. DETAILS DRWG. 08 PAGE 153
 5-2 " " " TYPE C ENDWALL " " " " " 52 " 107



PLAN
 SCALE: 1" = 50'

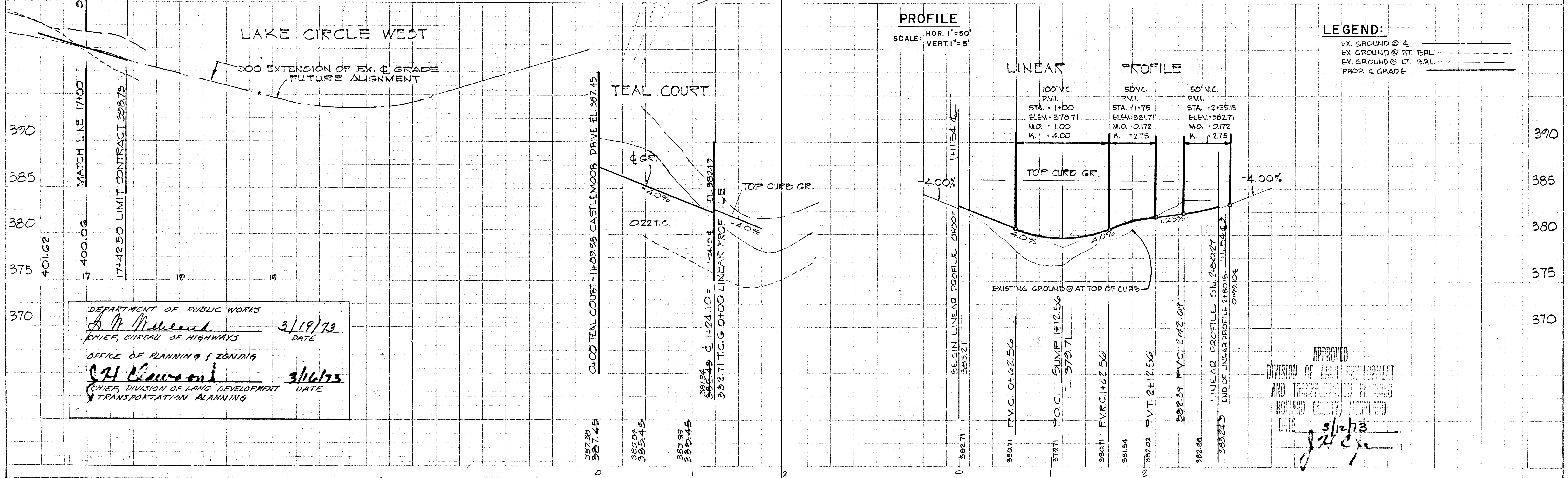


Philip A. Puzella 11/22/72

PLAN & PROFILE OF TEAL COURT
 SECTION 8
BEAVERBROOK

FIFTH ELECTION DISTRICT HOWARD COUNTY, MD.
 SCALE: AS SHOWN
 SHEET 2 of 5

F.G. MARKER and CO. INC. 7580 ANNAPOLIS ROAD LANHAM, MARYLAND 20801
 BOENDER ASSOCIATES 8726 TOWN & COUNTRY BLVD. ELLICOTT CITY, MARYLAND 21043



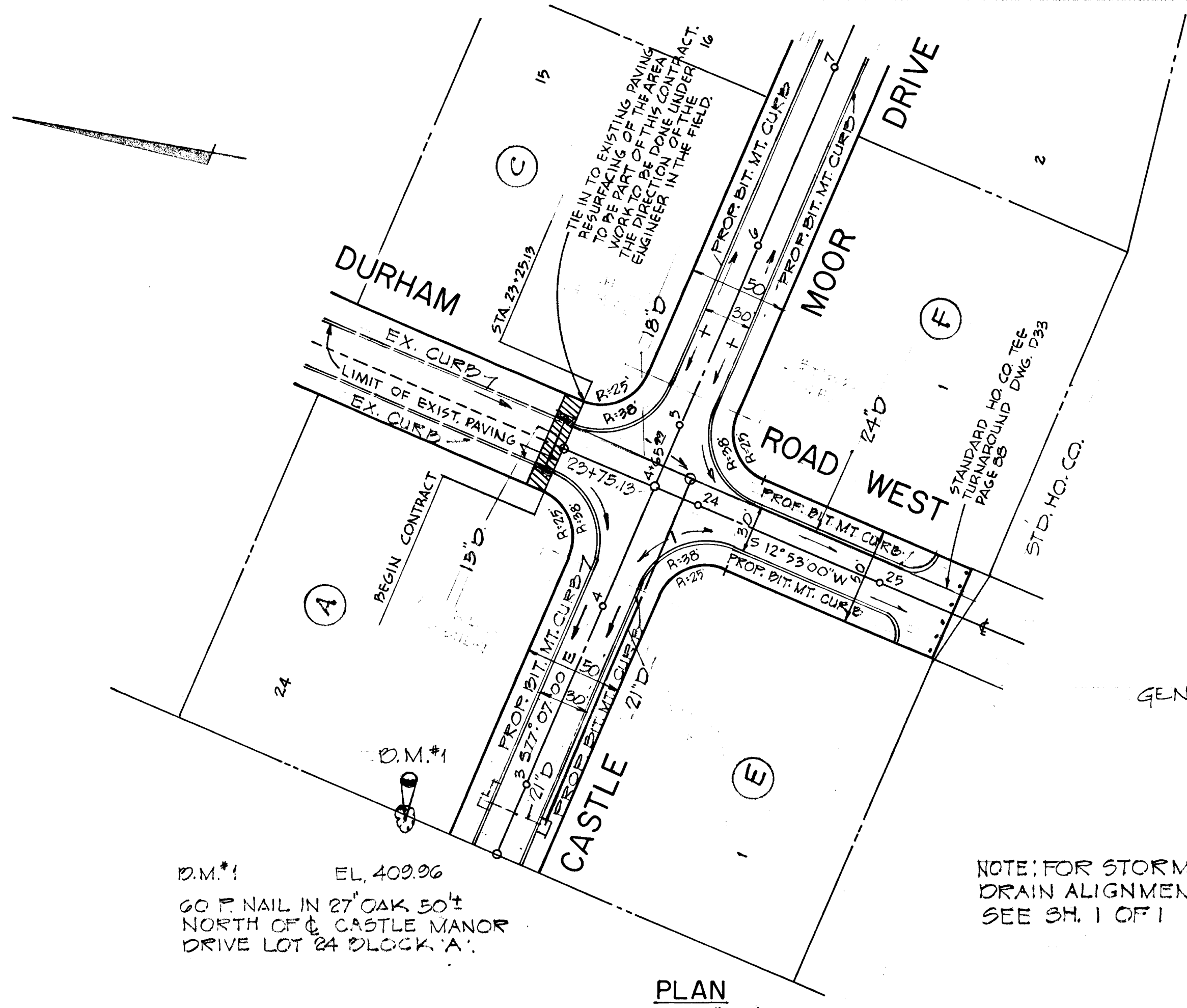
PROFILE
 SCALE: HOR. 1" = 50'
 VERT. 1" = 5'

LEGEND:
 EX. GROUND @ G. ———
 EX. GROUND @ RT. P.R.L. - - - -
 EX. GROUND @ LT. P.R.L. - - - -
 PROP. & GRADE ———

DEPARTMENT OF PUBLIC WORKS
D. M. McLeod 3/19/73
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING & ZONING
J. H. Clouse 3/16/73
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
 TRANSPORTATION PLANNING

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 3/12/73
J. H. Clouse

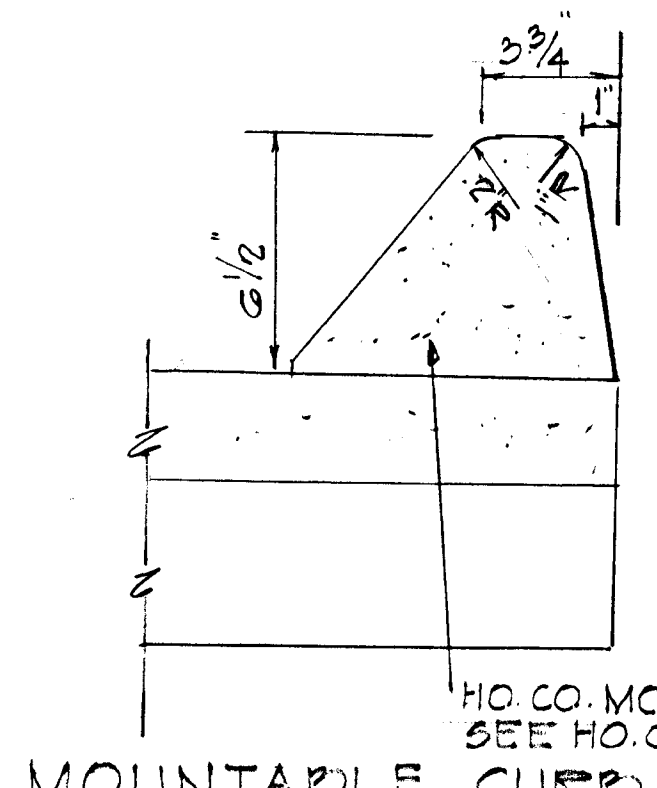


D.M.#1 EL. 409.86
 60" NAIL IN 27" OAK 50'
 NORTH OF CASTLE MANOR
 DRIVE LOT 24 BLOCK 'A'

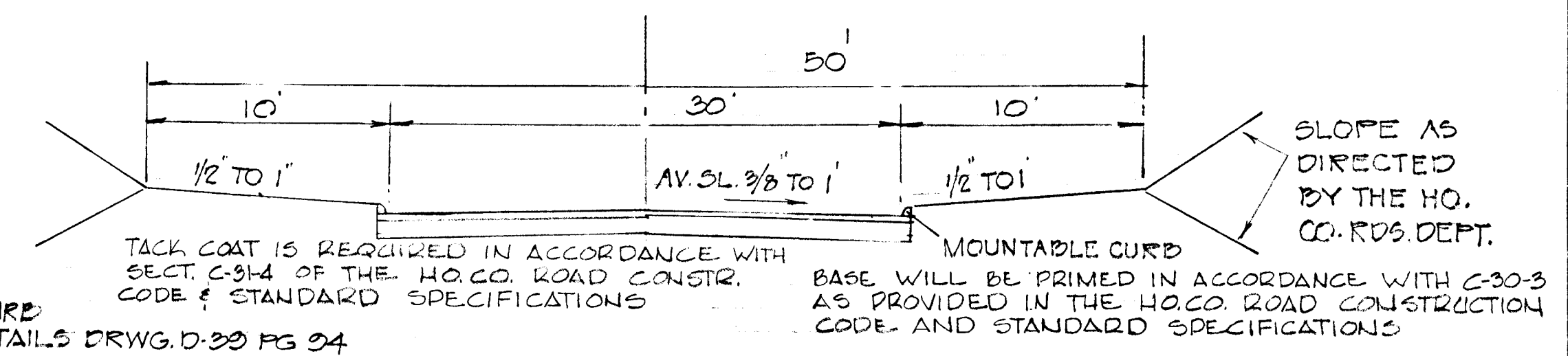
PLAN
 SCALE: 1" = 50'

GENERAL NOTES
 1. THE DESIGN SPEED SHALL BE 25 MPH.

NOTE: FOR STORM
 DRAIN ALIGNMENT
 SEE SH. 1 OF 1



MOUNTABLE CURB
 NO SCALE



TYPICAL PAVING SECTION
 NO SCALE

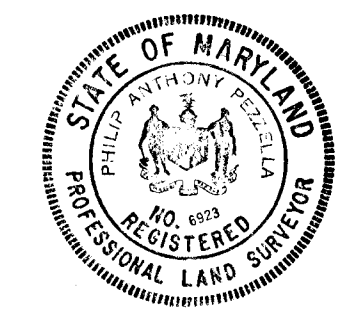
BIT. CONCRETE SURFACE	1/2" BAND C-3
BIT. CONCRETE BASE	5" (GRAVEL MIX)

NO SCALE	TYPICAL HO. CO. SECT. SEE DWG. 0-16 PAGE 71
NO SCALE	NOTE: PROVIDE 10' TRANSITION BETWEEN EX. 24' WIDTH PAVING SECTION AND PROPOSED 30' WIDTH PAVING SECTION.

PLAN & PROFILE OF DURHAM ROAD WEST
 SECTION 8

BEAVERBROOK

FIFTH ELECTION DISTRICT HOWARD COUNTY, MD.
 SCALE: AS SHOWN

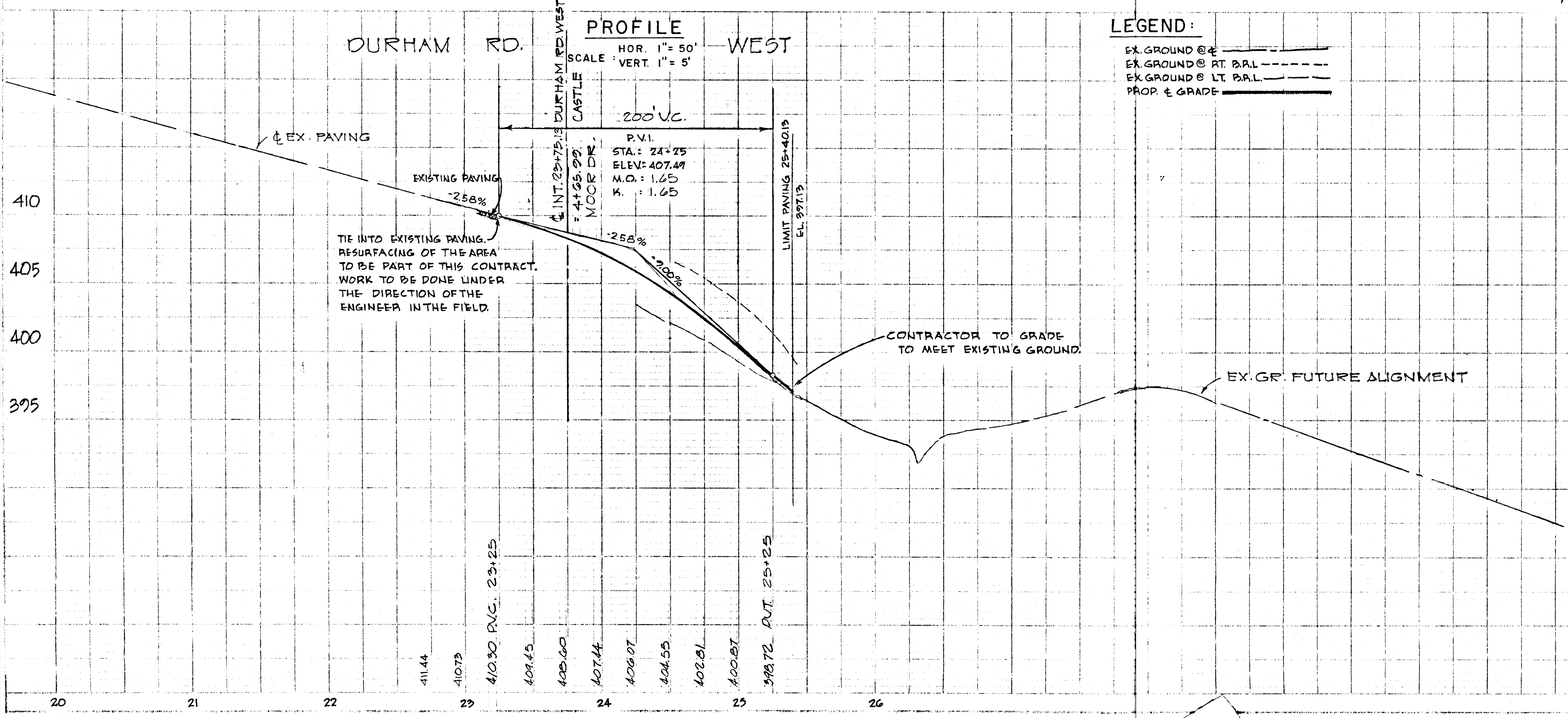


Philip J. Loyella 11/23/72

FG. MARKER and CO. INC.
 7580 ANNAPOLIS ROAD
 LANHAM, MARYLAND 20801

BOENDER ASSOCIATES
 8726 TOWN & COUNTRY BLVD.
 ELLICOTT CITY, MARYLAND 21043

SHEET 4 of 5



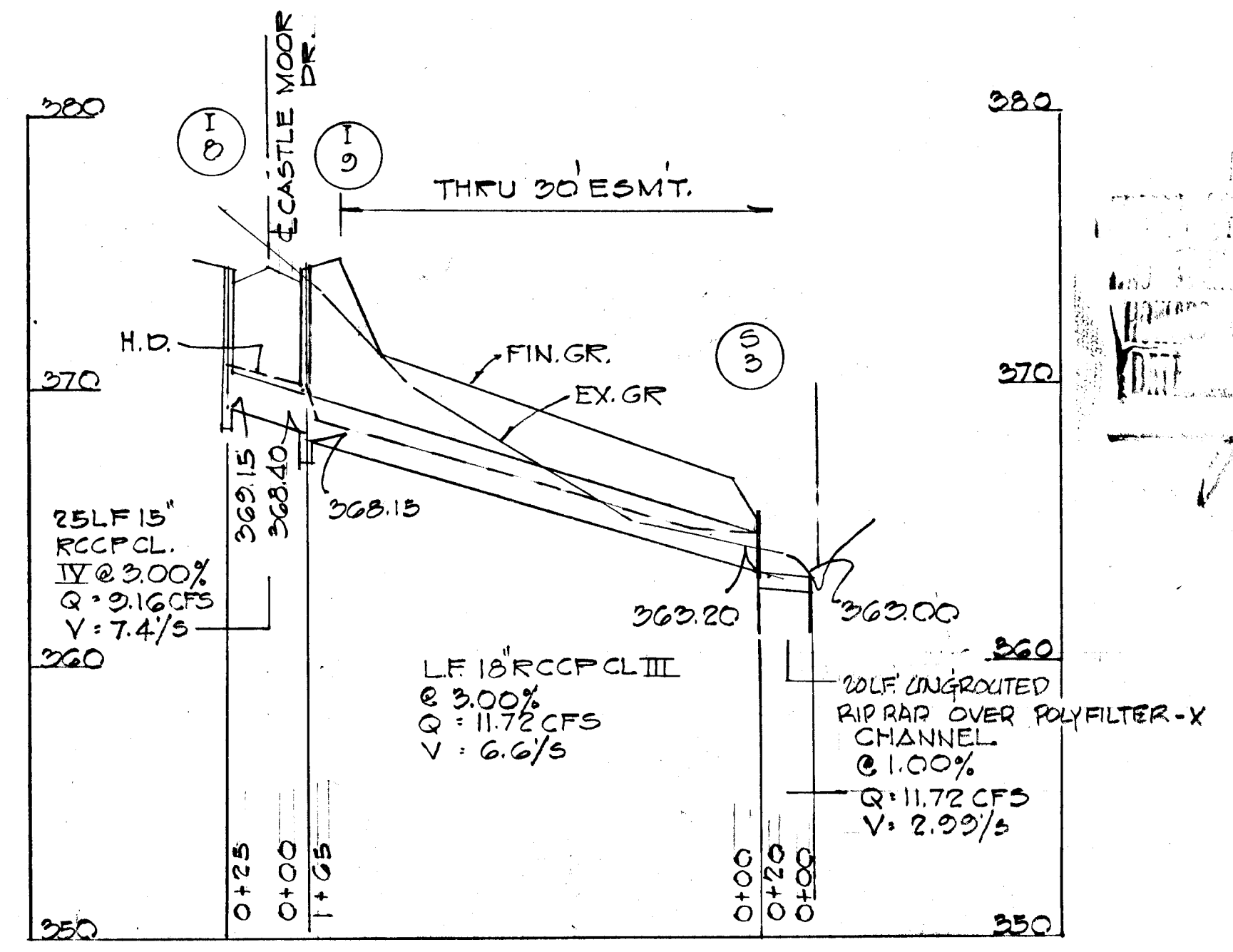
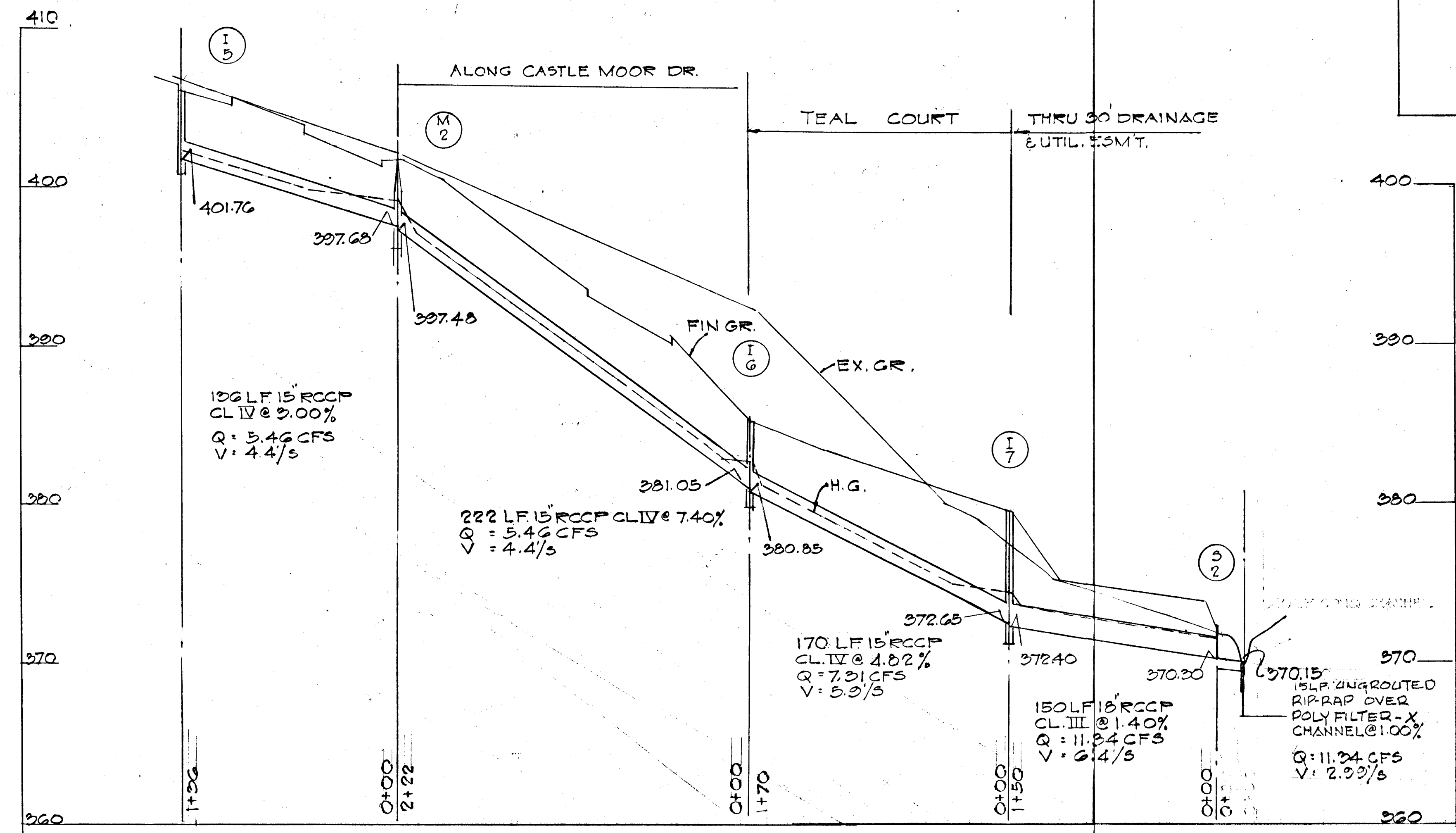
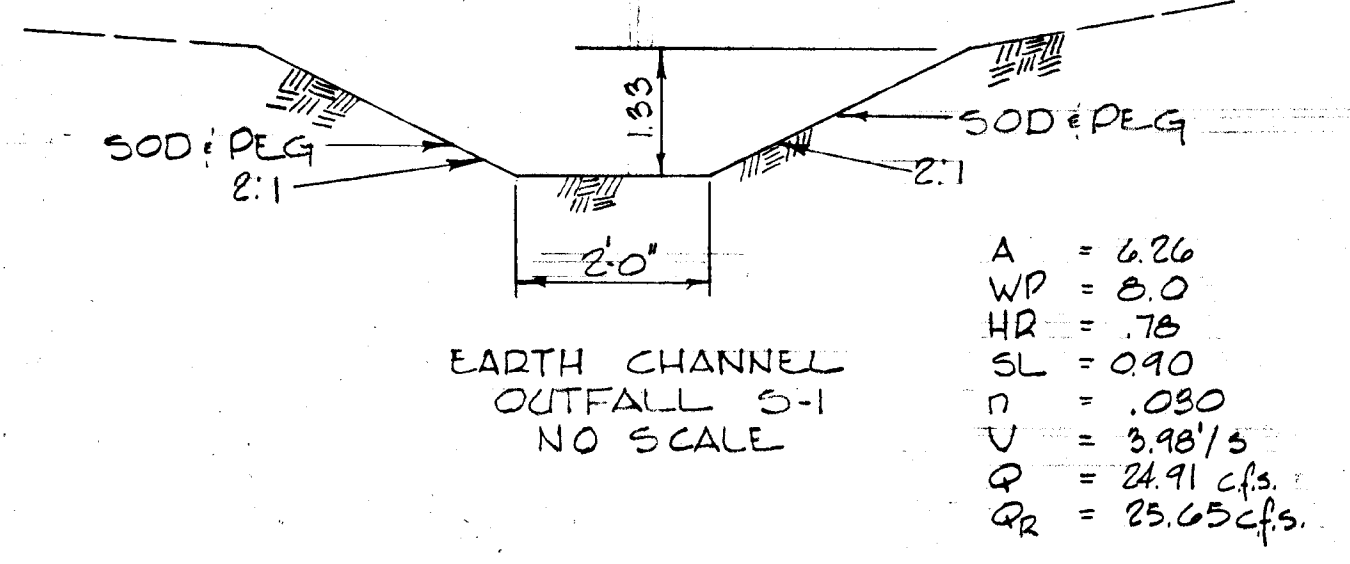
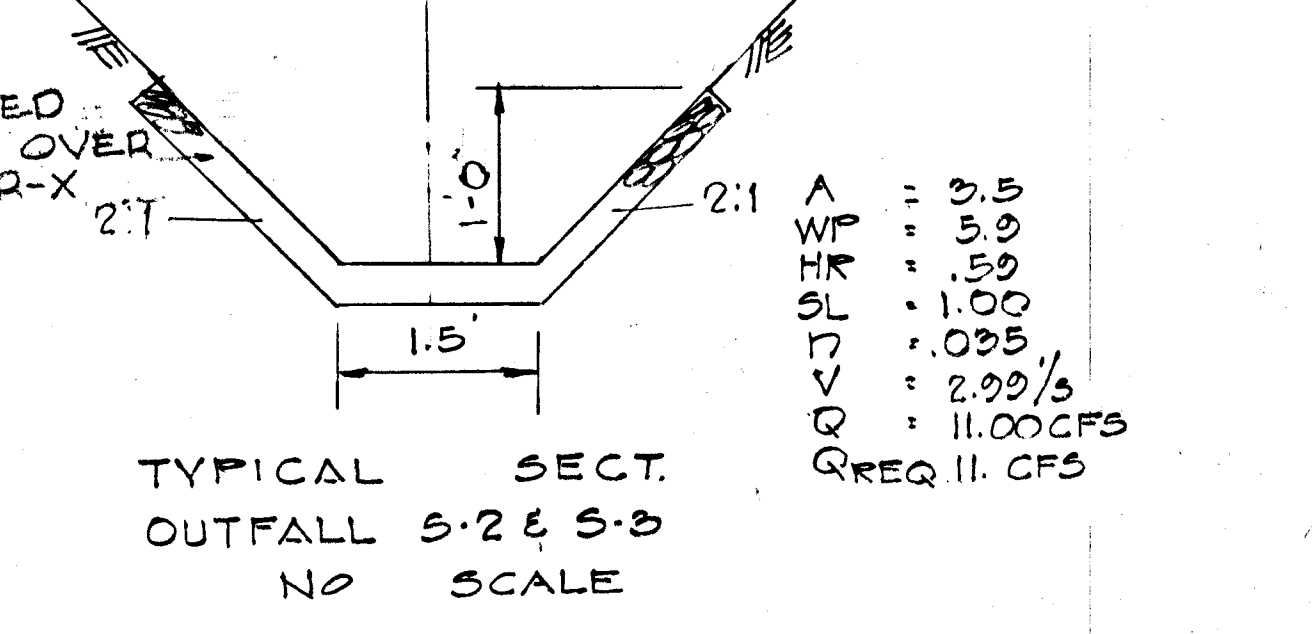
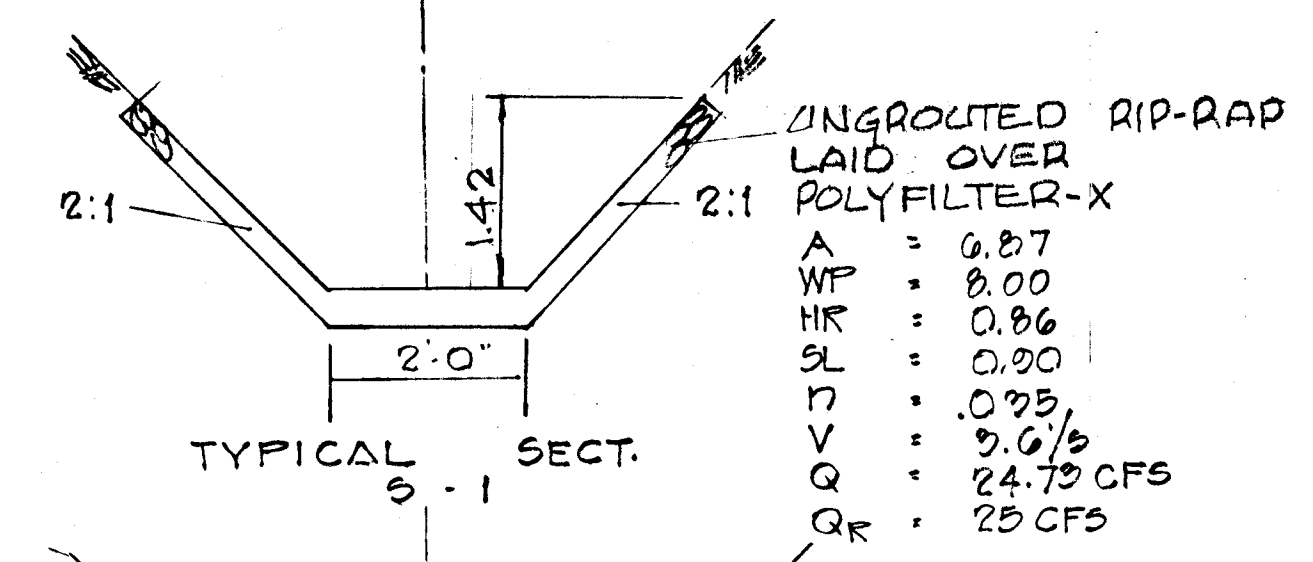
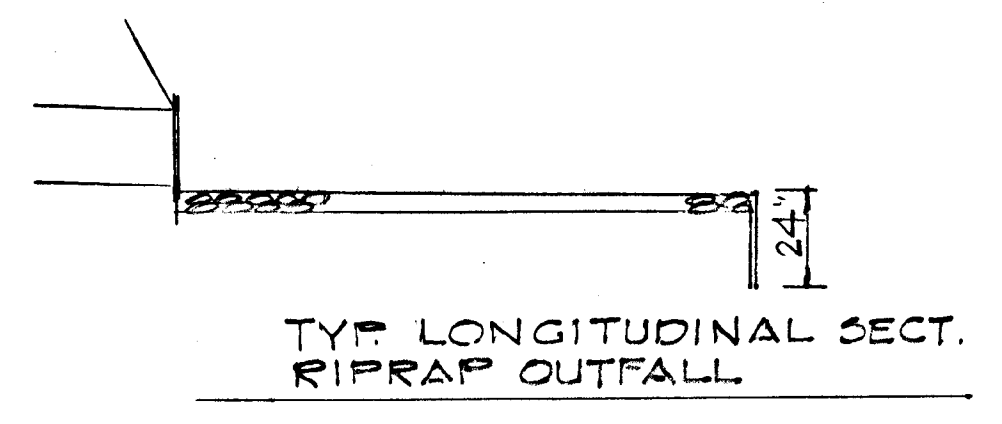
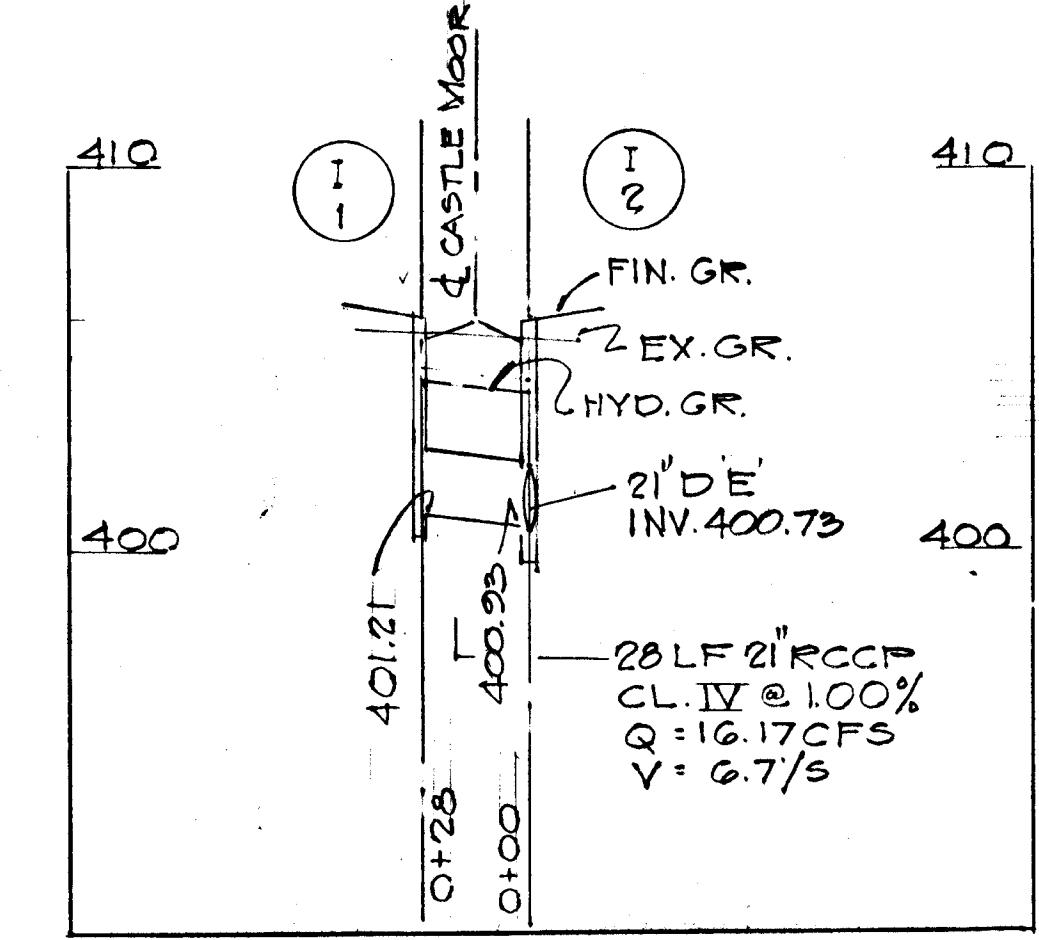
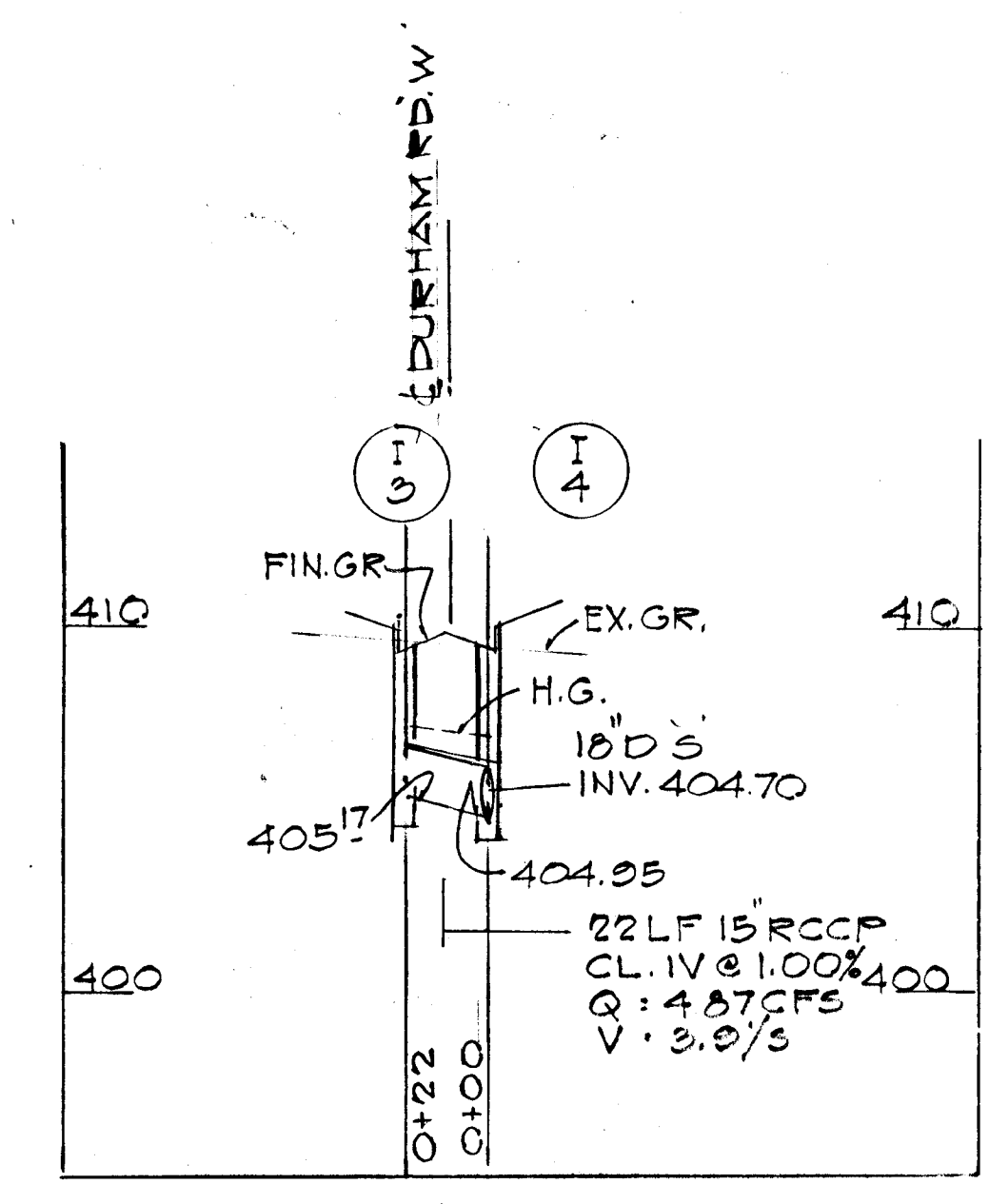
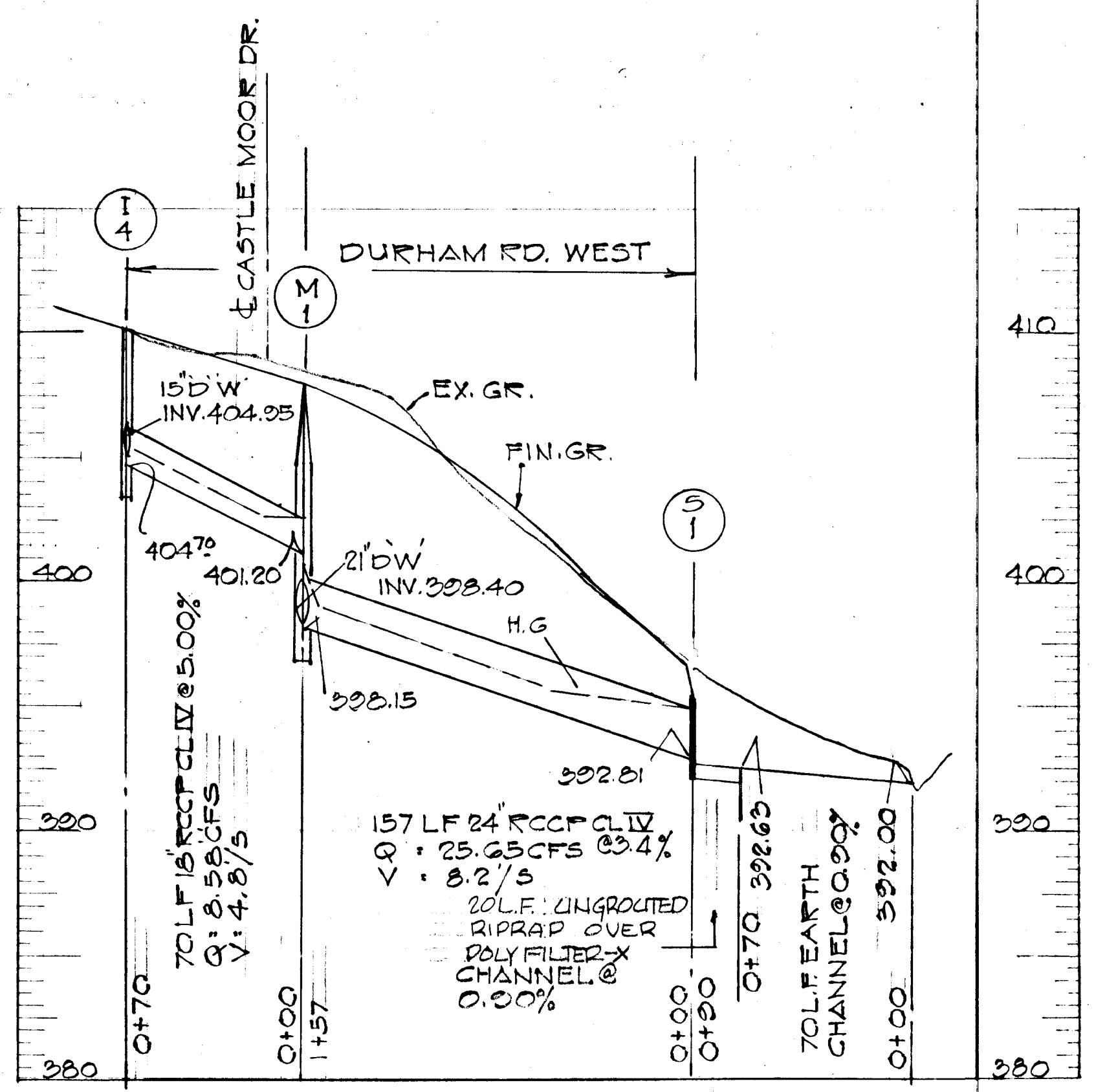
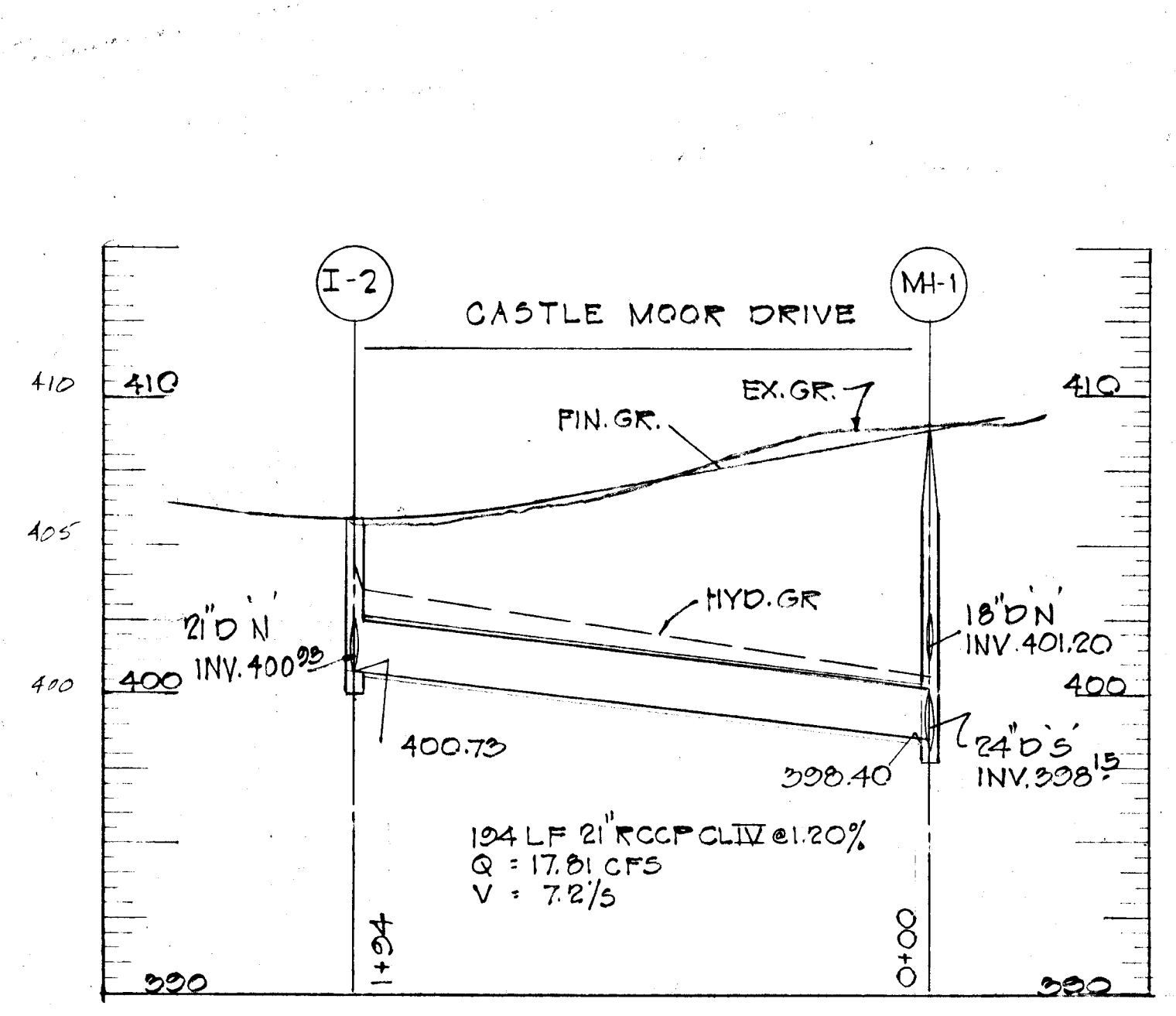
LEGEND:

- EX. GROUND @ C-1
- EX. GROUND @ RT. B.A.L.
- EX. GROUND @ LT. B.A.L.
- PROP. & GRADE

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 3/12/73
[Signature]

DEPARTMENT OF PUBLIC WORKS
 S. M. McKeown 3/19/73
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING & ZONING
 J. H. Clavens 3/16/73
 CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING DATE



APPROVED
 9/12/73
 [Signature]

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

DEPARTMENT OF PUBLIC WORKS
 J. M. Weiland 3/19/73
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING
 J. H. Clouston 3/16/73
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

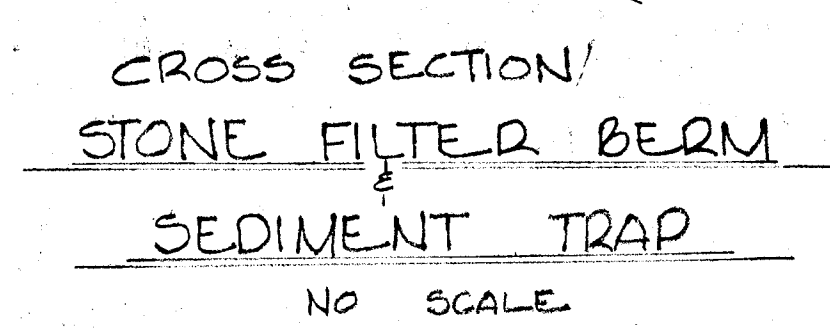
Philip A. Regella 11/21/73

TITLE STORM DRAIN PROFILES & DETAILS		ENGINEERING PLANNING SURVEYING	
PROJECT BEAVERDROOK SEC. 8		BY BOENDER ASSOCIATES INC.	
DATE: 15 NOV 72	DES. BY: TKD	DRAWN BY: S	CHKD BY: S
SCALE:	JOB NO.:	DRWG. NO.: SH 50-5	

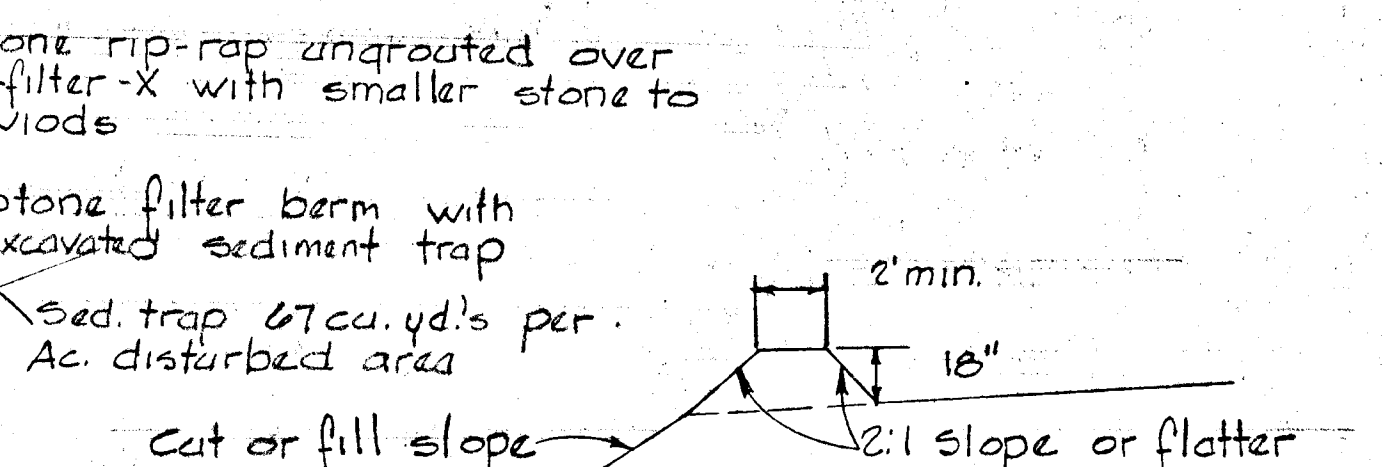




HOUSE SCHEDULE	
LOT NO.	HOUSE TYPE
1	NO. 1 TWO STORY
2	SPLIT LEVEL REV.
3	NO. 2 TWO STY. REV.
4	SPLIT Foyer
5	SPLIT Foyer
6	SPLIT LEVEL REV.
7	SPLIT LEVEL
8	NO. 2 TWO STY. REV.
9	SPLIT LEVEL REV.
10	NO. 1 TWO STY.
11	NO. 2 " REV.
12	NO. 2 TWO STY.
13	NO. 1 " "
14	NO. 2 " "
15	NO. 1 TWO STY. REV.
16	NO. 2 TWO STORY
17	NO. 1 TWO STORY
18	SPLIT LEVEL



3" stone rip-rap ungrouted over poly-filter-X with smaller stone to fill voids.
Sed. trap 67 cu. yd. per Ac. disturbed area
Stone filter berm with excavated sediment trap



2' min.
Cut or fill slope
2:1 slope or flatter
apeloase toe positive grade
Side slopes 2:1 or flatter
cut or fill slope
Sed. trap 67 cu. yd. per Ac. disturbed area
Stone filter berm with excavated sediment trap

- CONSTRUCTION SEQUENCE**
1. Provide sediment control as indicated.
 2. Construct Roads
 3. GRADE LOTS - Provide additional sediment West side of Castle Moor Drive
 4. Sediment Control will remain in effect throughout duration of all construction.

- SEDIMENT CONTROL NOTES:**
1. The H.S.C.D. Bureau of license, inspection & permits will be given 24 HR. notice prior to any grading.
 2. All sediment control structures shown on this plan unless otherwise specified, will be installed and stabilized in accordance with note #9 prior to any other grading or earth disturbance on this site.
 3. As soon as rough grading is completed area to be paved will be stabilized with base material.
 4. All cut & fill slopes will be a max of 3:1
 5. Following the stabilization of all areas upgrade, the area of the sediment control measures may be removed & graded to the final grades planned & stabilized immediately
 6. Elevations marked thus (X) are finished grade
 7. In the event of excess of material the waste will be stockpiled with a max 2:1 slope on an area which has been cleared on the site, stockpiled material will be stabilized in accordance with note #9.
 8. Sediment control measures will not be removed until approval is obtained from the H.S.C.D.
 9. Temporary stabilization:
Apply: 2000 LBS/Acre or 46 LBS/1000# of pulverized dolomitic limestone
500 LBS/Acre or 11.5 LBS/1000# of 5-5-5 fertilizer. Plant to Ryegrass @ 40 lbs/Acre
Fertilize with 5-10-10 and mulch with straw @ 1/2 T/Ac.
 10. Permanent stabilization
Apply: 2000 LBS/Acre of pulverized dolomitic limestone
700 LBS/Acre of 0-20-0 Super Phosphate
1000 LBS/Acre of 5-10-10 Fertilizer
Seed: 85 LBS/Acre of Kentucky 31 tall fescue
40 LBS/Acre of Kentucky Blue Grass
25 LBS/Acre of Annual Ryegrass
Note: Seeding may be done between March 1st May 1st or Aug 1st - October 1st only
Mulch 2 tons/Acre of unweathered wheat straw tie Mulch down with 400-gal/Acre of liquid asphalt.

DEVELOPER'S STATEMENT
I certify that all development and/or construction will be done according to this plan of development and plan for erosion & sediment control DEL-HAVEN and I also authorize periodic on site inspection by Howard Soil Conservation District or their authorized agents as are deemed necessary
L.RHM-342 F-483

Fredrick & Markes 16 MAR 73
ENGINEER'S STATEMENT
I certify that this Plan for Erosion & Sediment Control represents a practical & workable plan based on my personal knowledge of this site conditions & that it was prepared in accordance with the requirements of H.S.C.D.
A.P. Fisher 16 March 1973

U.S. SOIL CONSERVATION SERVICE
This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District
Approved *Charles E. Mullip* Date 3/19/73
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District
Approved *Robert W. Zehm* Date 3/20/73
Howard S.C.D.

TITLE GRADING STUDIES & SEDIMENT CONTROL PLAN		ENGINEERING PLANNING SURVEYING BY	
PROJECT BEAVERBROOK SECTION B		BOENDER ASSOCIATES INC.	
LOCATION ELECTION DISTRICT HOWARD COUNTY MARYLAND		ELICOTT CITY, MD. 21043 SALISBURY, MD. 21801 301-465-7777	
DATE: Jan 1973	DES. BY: TKS	DRAWN BY: LVS GAF	CHKD BY: S
SCALE: 1" = 50'	JOB NO.: 72114	DRWG. NO.:	