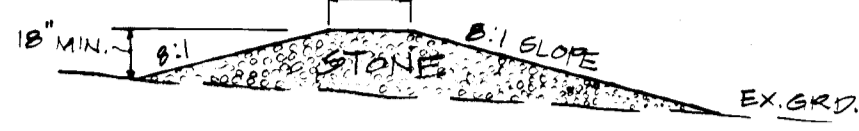


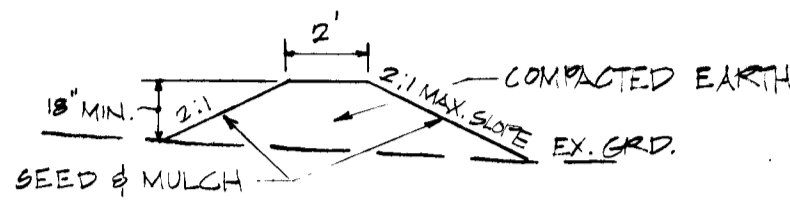
**SEDIMENT CONTROL GENERAL NOTES**

1. CONTRACTOR TO GIVE MINIMUM 24 HOUR NOTICE TO HOWARD CO. DEPT. OF INSPECTIONS 465-5000 EXT-361 AND HOWARD SOIL CONSERVATION DISTRICT 468-3180.
2. EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED PRIOR TO GENERAL SITE GRADING.
3. PERMANENT SLOPES NOT TO EXCEED 3:1 IN FILL & 2:1 IN CUT.
4. ALL FILLS TO BE BERMED AT TOP AFTER EACH WORKING DAY, FILL SLOPES TO BE LEFT ROUGH TO PREVENT UNDER EROSION UNTIL READY TO STABILIZE.
5. LOCATION OF TEMP. EARTH BERMS ARE APPROXIMATE AND SHALL MEET FIELD CONDITIONS.
6. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY FIELD CONDITIONS.

NOTE: STONE MAY BE USED FOR PAVING BASE @ COMPLETION OF GRADING.



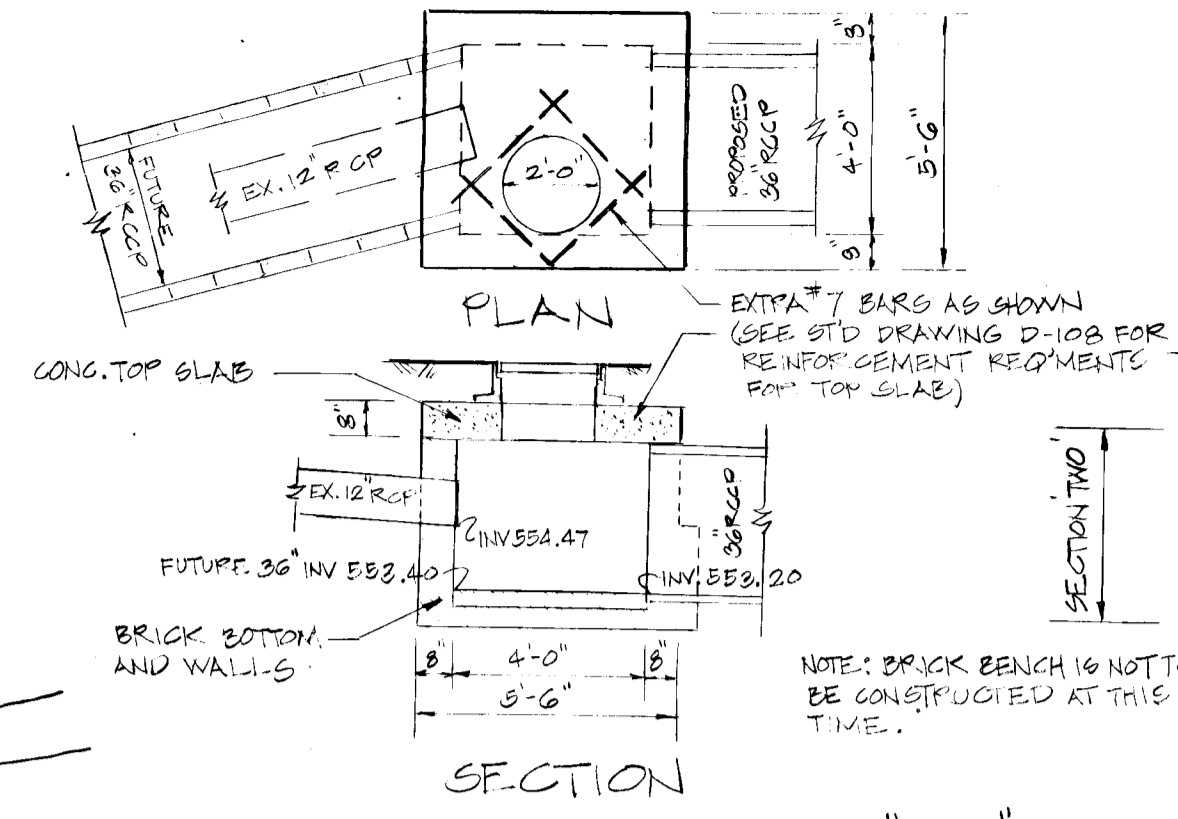
TEMPORARY STONE BERM



TEMPORARY EARTH BERM

**GENERAL NOTES FOR SOD AND SEEDING**

1. TEMPORARY AND PERMANENT SEEDING AND SODDING SHALL CONFORM WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. SEE PAGES 6, 20, 21 THRU 24, 24 OF THE STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN DEVELOPING AREAS DATED JULY 1975. TYPE OF SEED USED SHALL DEPEND ON TIME OF YEAR APPLIED. ALL SOU SHALL BE MARYLAND OR VIRGINIA STATE "CERTIFIED" OR "APPROVED".

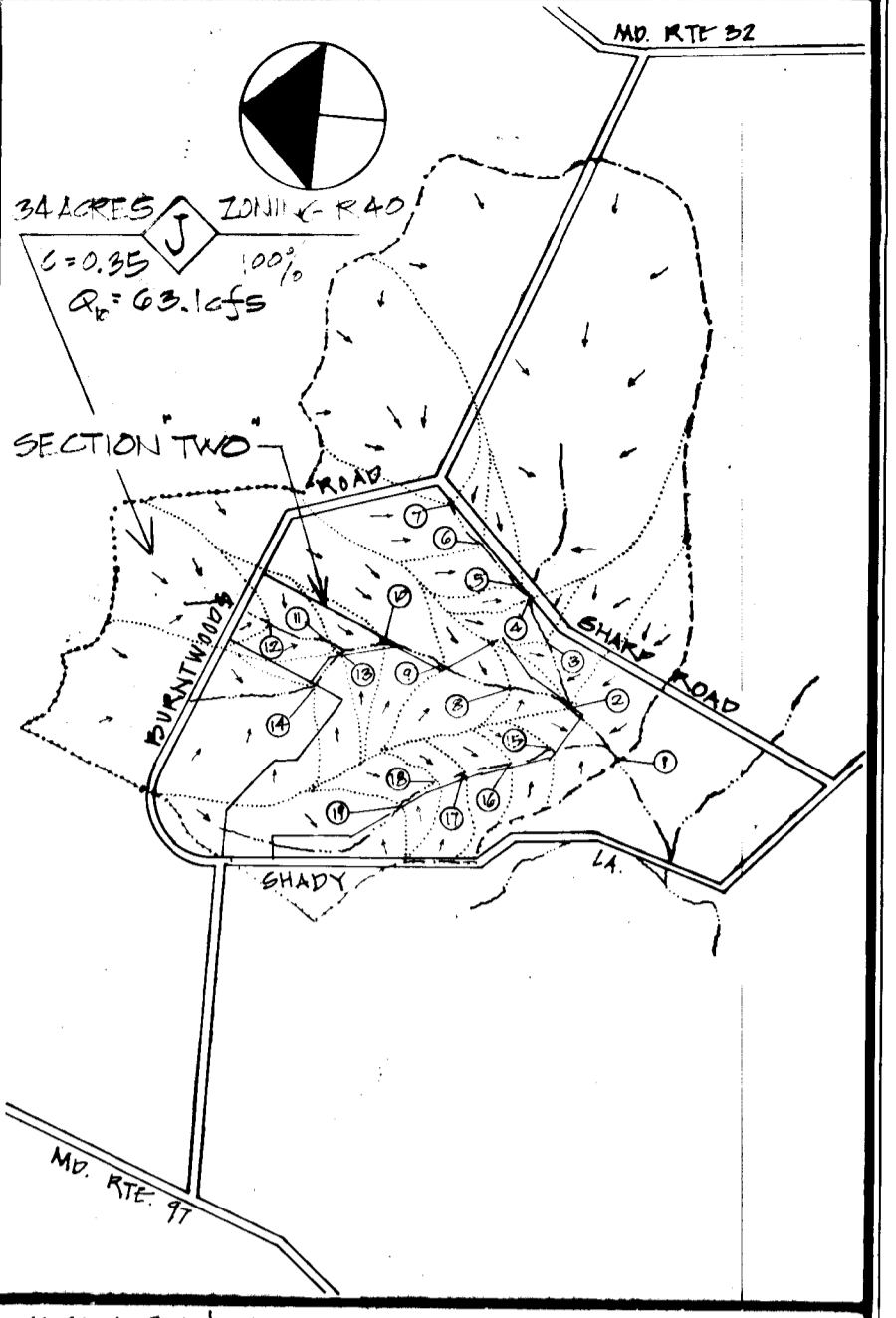


DETAIL OF MANHOLE "M-1" SCALE 1"=4'-0" (SEE STD DRAWING D-108 FOR ADDITIONAL NOTES)

**FLOOD PLAIN FLOW COMPUTATIONS**

STREAM SECTION	ACRES	C	CA	TIME	T <sub>100</sub>	Q <sub>100</sub>
1	771.4	0.50	277.56	22.8	6.67	1831.30
2	242.8	0.50	81.48	21.5	6.74	1574.00
3	552.6	0.40	141.44	20.9	7.6	1060.00
4	244.4	0.30	57.76	19.5	7.7	1062.40
5	116.9	0.35	40.81	18.2	7.9	283.82
6	100.1	0.35	35.04	17.2	8.1	283.82
7	250.7	0.35	87.75	24.0	7.5	698.15
8	227.8	0.35	79.75	19.8	7.7	615.92
9	161.9	0.35	56.67	18.6	7.9	469.81
10	80.9	0.35	28.33	18.6	8.2	146.74
11	57.7	0.35	20.20	14.0	8.5	112.2
12	105.6	0.35	36.96	17.8	8.0	249.68
13	91.8	0.35	32.13	16.8	8.2	249.68
14	101.0	0.35	35.35	21.3	7.5	249.68
15	71.9	0.35	25.17	20.9	7.5	249.78
16	68.9	0.35	24.12	19.7	7.7	189.72
17	50.7	0.35	17.75	19.2	7.7	155.58
18	44.1	0.35	15.44	17.9	7.1	121.98

\* NOTE: T<sub>100</sub> ADJUSTED FOR AREAS > 500 ACRES

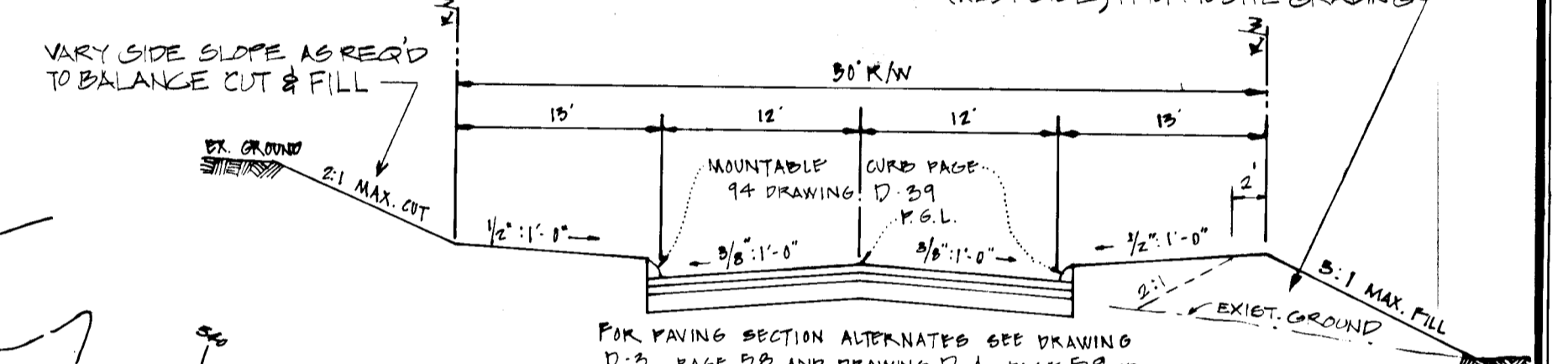


VICINITY & DRAINAGE AREA MAP SCALE: 1"=200'

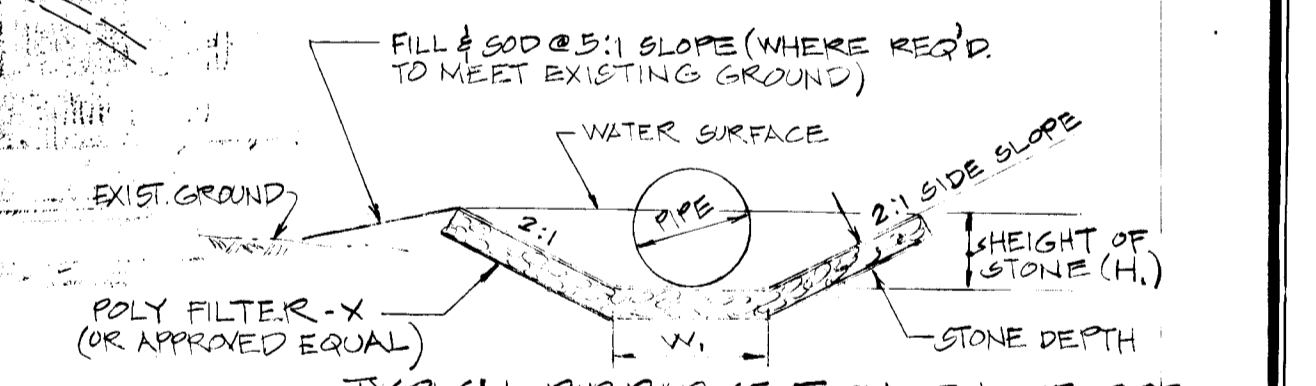
APPROVED  
DIVISION OF LAND DEVELOPMENT  
AND TRANSPORTATION PLANNING  
HOWARD COUNTY, MARYLAND  
DATE 4/27/76



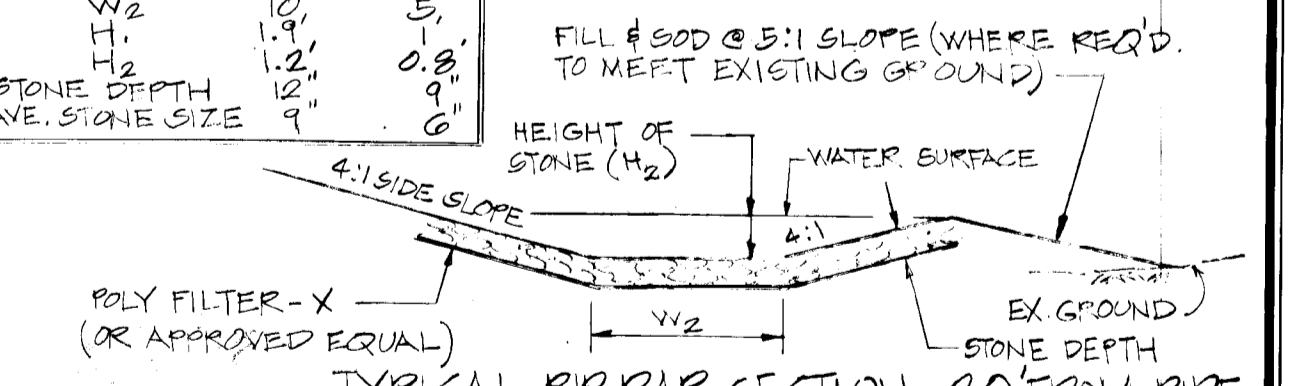
STD. 7" CURB & GUTTER FOR CUL-DE-SAC ONLY NO SCALE



TYPICAL SECTION-SADDLE HORSE CT. 50 FT. RIGHT OF WAY RESIDENTIAL STREET (ZONED "R-40") NO SCALE DESIGN SPEED 30 MPH. SEE SHEET 2 OF 2 FOR GENERAL NOTES.

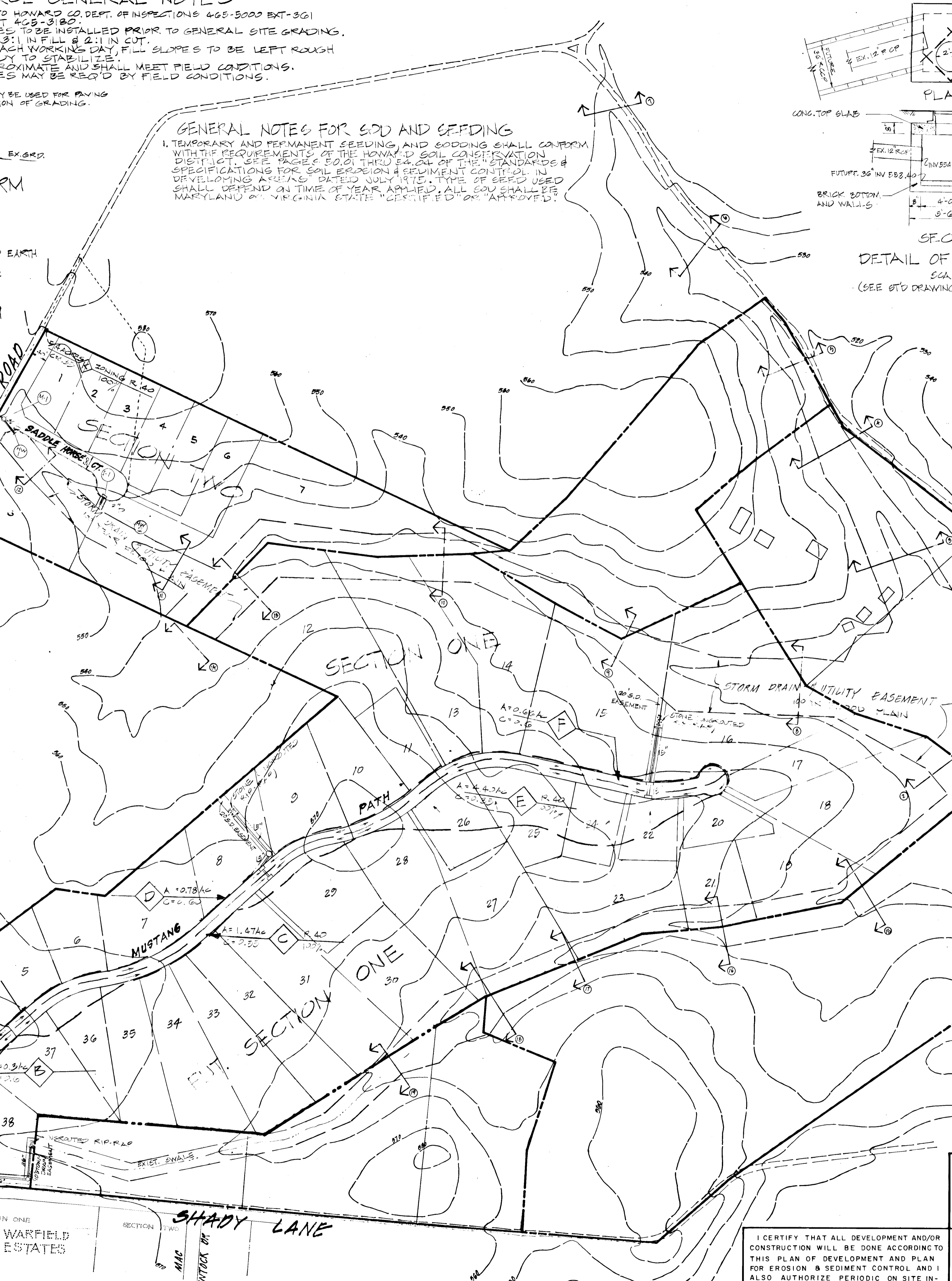
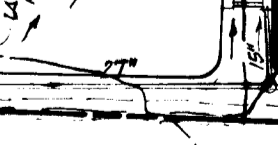
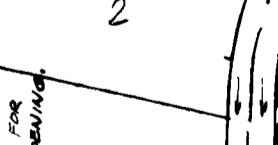
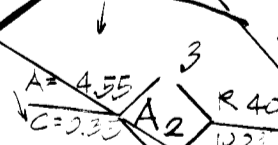
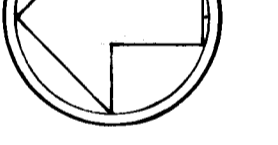
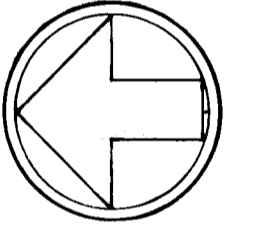
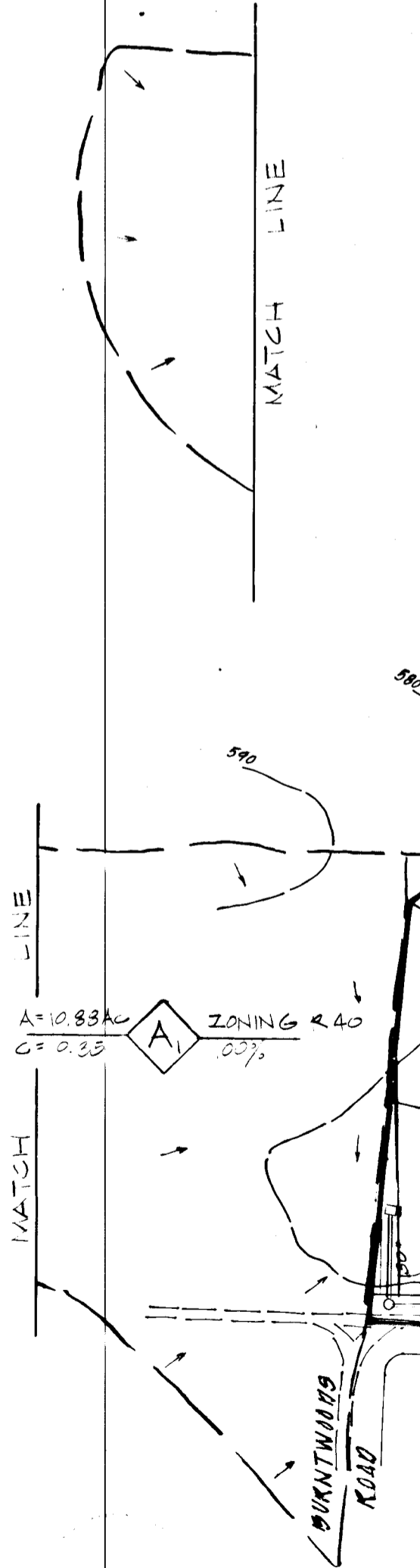


TYPICAL RIP-RAP SECTION @ END OF PIPE NO SCALE



TYPICAL RIP-RAP SECTION 20' FROM PIPE NO SCALE

OWNER-DEVELOPER  
JUSTICE TRACT JOINT VENTURE  
1131 UNIVERSITY BLVD. WEST  
SILVER SPRING, MD. 20902



LOCATION AND DRAINAGE AREA MAP SCALE 1"=200'

REVIEWED FOR HOWARD SOIL CONSERVATION AND MEETS TECHNICAL REQUIREMENTS:  
Eric V. Herman 5/26/76  
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. Zander 5/26/76  
APPROVED HOWARD S.C.D. DATE

**GLENWOOD ESTATES**  
SECTION TWO  
ELECTION DISTRICT NO. 4

**HOWARD COUNTY MARYLAND**  
DEPARTMENT OF PUBLIC WORKS

PREPARED BY  
**H. MALMUD & ASSOC. INC.**  
8815 MEADOW HEIGHTS RD.  
RANDALLSTOWN, MD. 21133  
TELEPHONE (301)-655-6465

R. W. Malmud 4/27/76  
CHIEF: BUREAU OF HIGHWAYS DATE  
J. F. Clauson 6/13/76  
CHIEF: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS THEY ARE DEEMED NECESSARY  
Levin Rosenberg 5-5-76  
DEVELOPER DATE

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.  
Richard Malmud 1-5-75  
ENGINEER DATE





PLAN  
 SURVEYED, GRADES CHECKED, ALIGNED, RT. OF WAY CHECKED, NO. \_\_\_\_\_

PROFILE  
 SURVEYED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHECKED, NO. \_\_\_\_\_

OWNER-DEVELOPER  
 JUSTICE TRACT JOINT VENTURE  
 1131 UNIVERSITY BLVD WEST  
 SILVER SPRING, MD 20902

H. MALMUD ASSOCIATES  
 SURVEYORS ENGINEERS PLANNERS  
 8815 MEADOW HEIGHTS ROAD  
 RANDALLSTOWN, MD 21133  
 655-6465

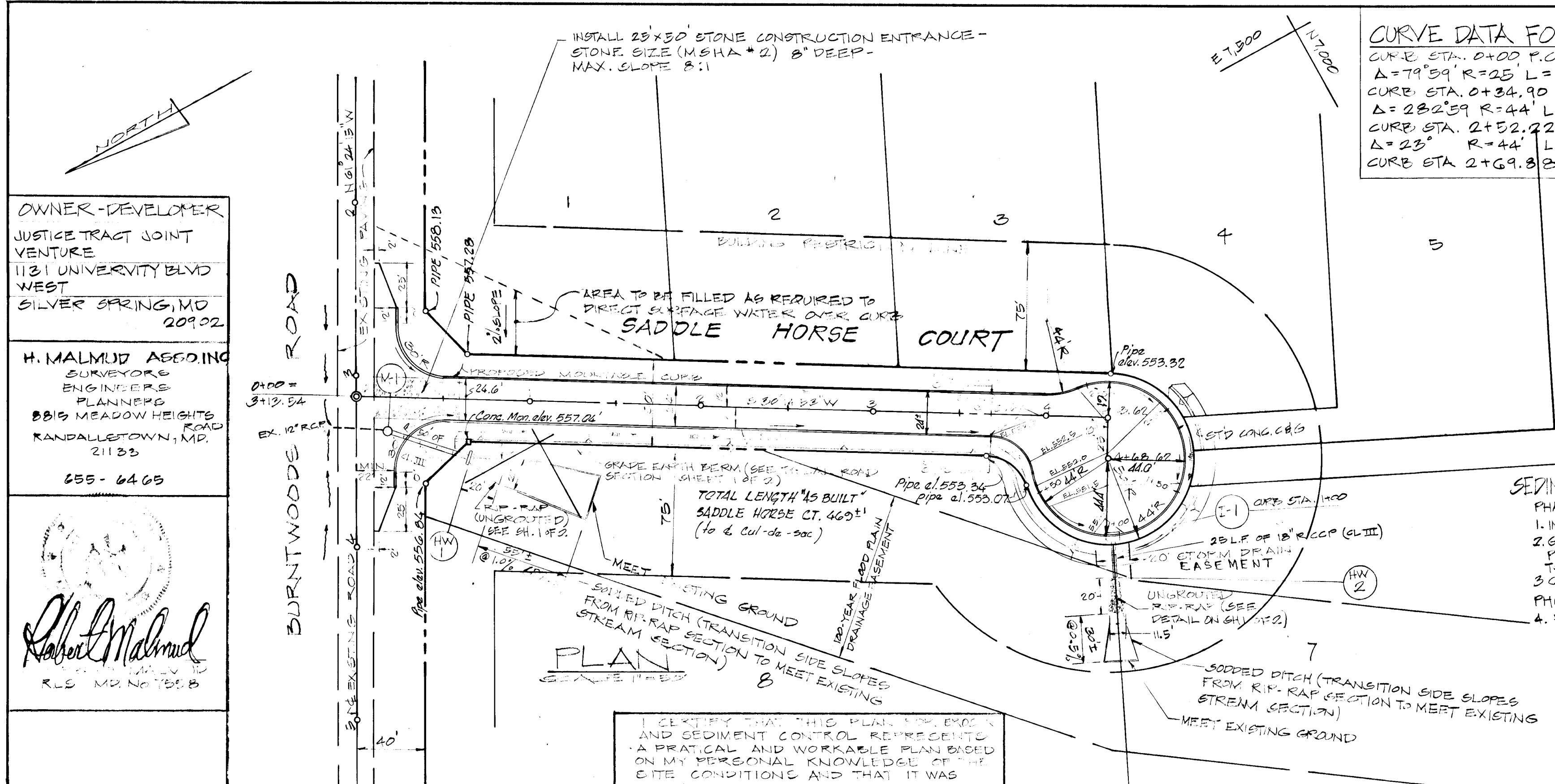
*Robert Malmud*  
 REGISTERED PROFESSIONAL SURVEYOR  
 R.L.S. MD. NO. 10318

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE

*Simon Rosenberg*  
 5-5-76

*Robert Malmud* 1-5-76

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 REVIEWED *Eric V. Herman* 5/26/76  
 SOIL APPROVED *Robert W. Johnson* 5/26/76



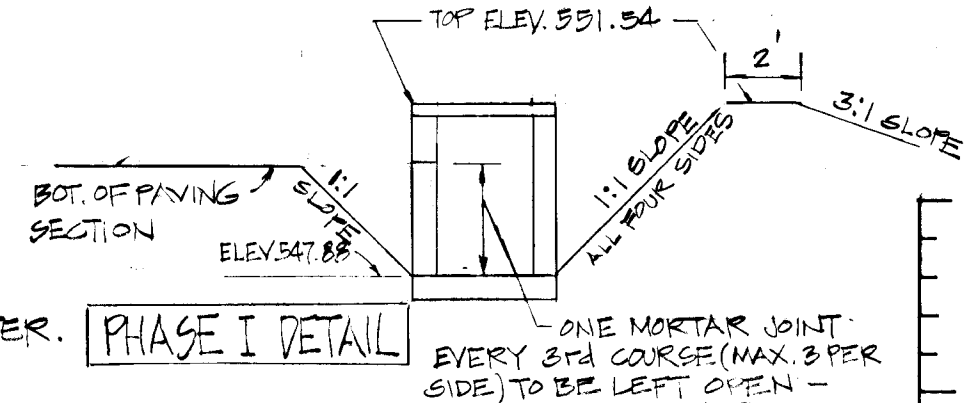
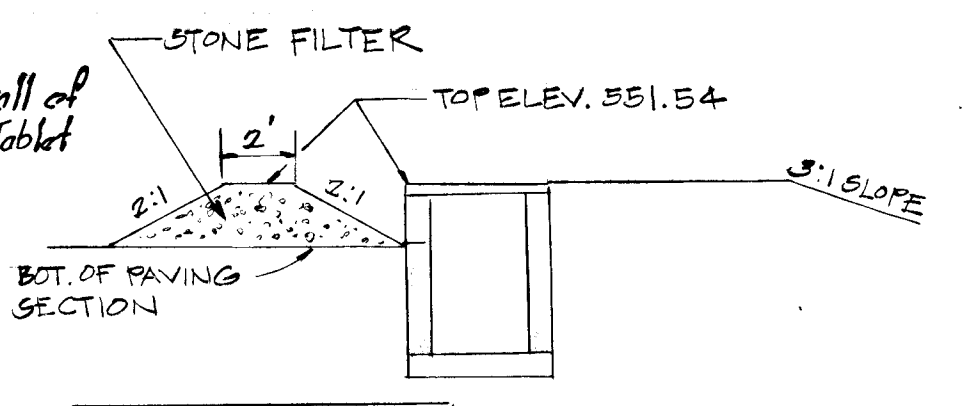
**CURVE DATA FOR CUL-DE-SAC C&G**  
 CURVE STA. 0+00 P.C.  
 $\Delta = 79^{\circ}59' R=25 L=34.90$   
 CURVE STA. 0+34.90 P.R.C.  
 $\Delta = 282^{\circ}59' R=44' L=217.32'$   
 CURVE STA. 2+52.22 P.R.C.  
 $\Delta = 23^{\circ} R=44' L=17.66'$   
 CURVE STA 2+69.88 B.P.T.

- GENERAL NOTES**
- 1) ALL CONSTRUCTION SHOWN HEREON SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS DATED NOV. 27, 1962 AND REVISED AUGUST 1967.
  - 2) REFERENCE TO PAGE AND DRAWING NUMBERS REFER TO ABOVE MENTIONED SPECIFICATIONS.
  - 3) PAGE WILL BE PROVIDED IN ACCORDANCE WITH SECTION C-30-3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE & STD. SPECIFICATIONS.
  - 4) TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE & STD. SPECIFICATIONS.
  - 5) DESIGN SPEED 30 MPH

**REFERENCE:** W&C 2037  
 Dorsey Branch @ Gary Rd., S.E. Vinwell of Bridge over Dorsey Branch W&C B.M. Tablet Elevation 482.987

Horizontal Control - *Referenced Coordinates*

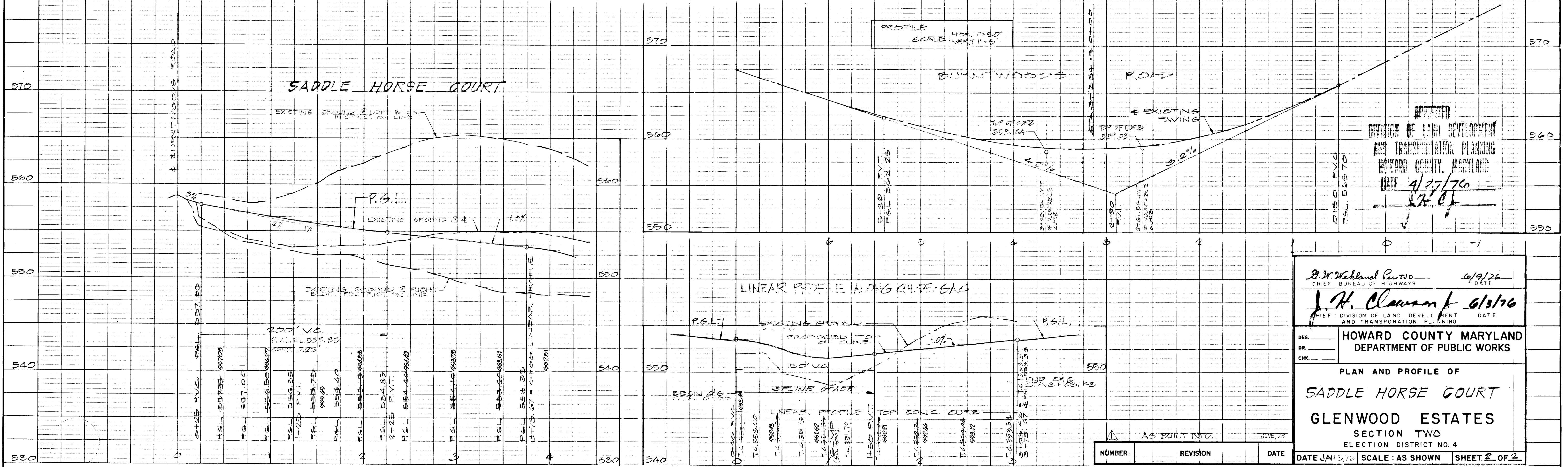
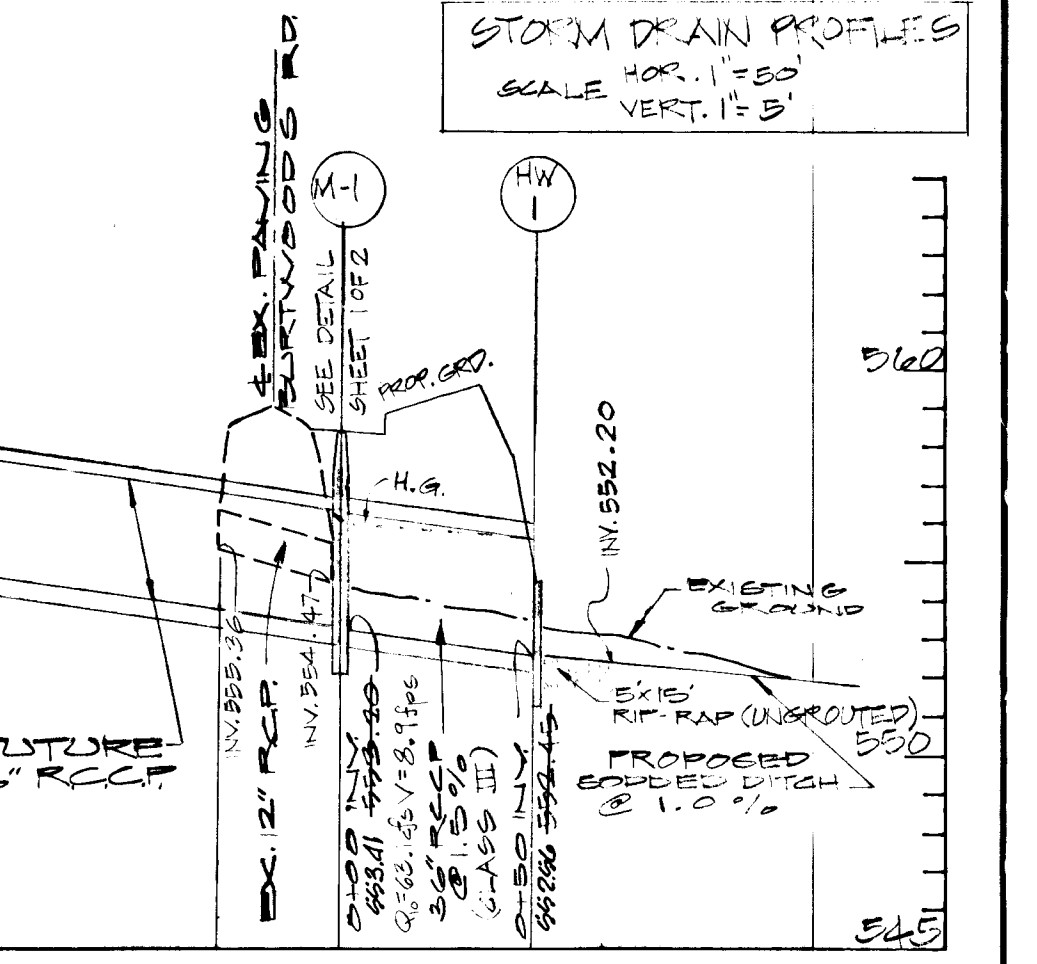
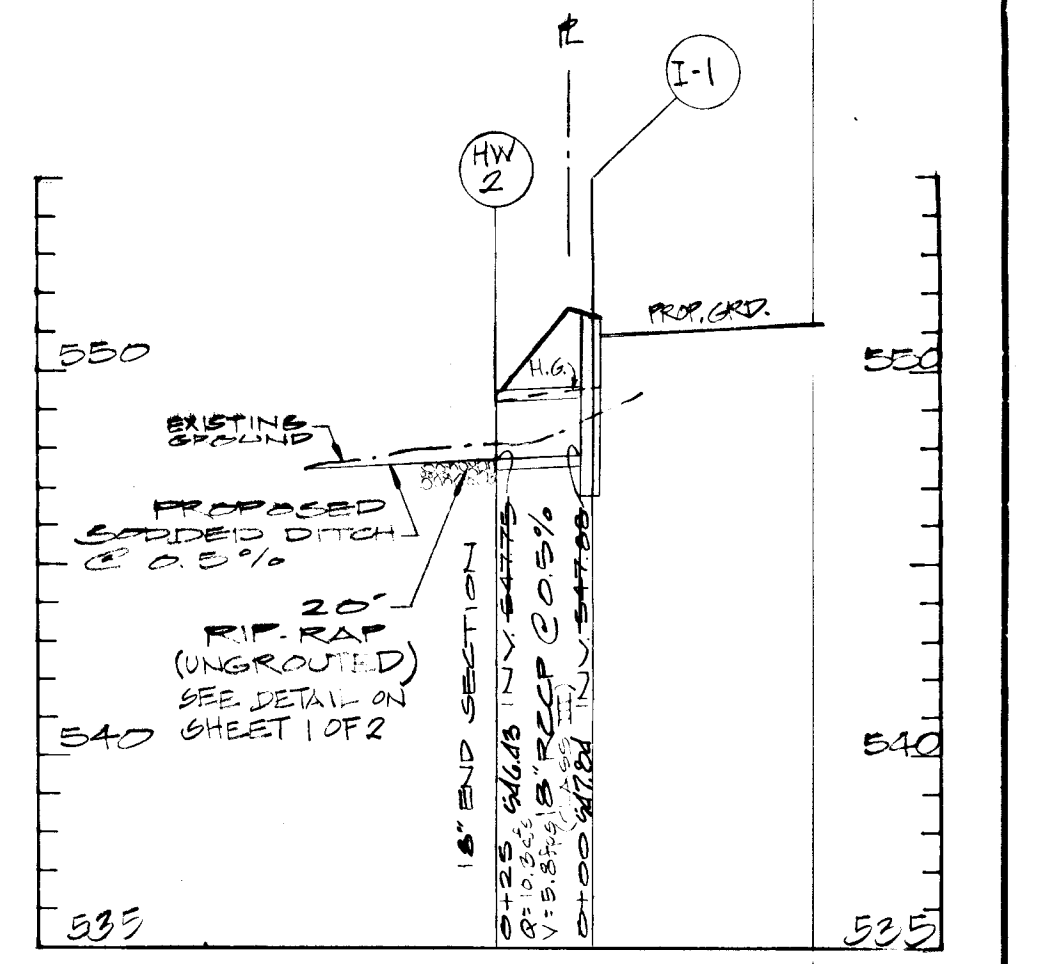
- SEDIMENT CONTROL SEQUENCE OF CONSTR.**
- PHASE I  
 1. INSTALL 18" R.C.C.P. AND CONSTRUCT I-1  
 2. GRADE EARTH BERM ALONG WEST SIDE OF PROPOSED ROAD TO DIRECT SURFACE WATER TO TEMP. SEDIMENT BASIN AT I-1.  
 3. COMPLETE SITE GRADING & INSTALL 36" DRAIN  
 PHASE II  
 4. FILL AREA AROUND 'I-1' AND INSTALL STONE FILTER.



**DETAIL OF SEDIMENT BASIN @ I-1**  
 SCALE: 1/2" = 5' (FACING SOUTH)

STRUCTURE SCHEDULE					
NUMBER	TYPE	INV. IN	INV. OUT	TOP ELEV.	STD. DET.
I-1	CLASS. INLET	-	547.88	7.0.551.54	DN'S 64-A
M-1	STD. MANHOLE	554.47	553.20	553.51	DN'S 103-B
HW-1	CURB. WALL	-	547.75	-	547.4. STD. DET. 103-B (1)
HW-2	END CURB WALL	-	552.45	-	DN'S 103-B

\* ALSO SEE DETAIL ON SHEET 1 OF 2



*B. W. Weiland* 6/9/76  
 CHIEF BUREAU OF HIGHWAYS DATE

*J. H. Clawson* 6/13/76  
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

DES. \_\_\_\_\_  
 DR. \_\_\_\_\_  
 CHK. \_\_\_\_\_

**HOWARD COUNTY MARYLAND**  
 DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF  
**SADDLE HORSE COURT**  
**GLENWOOD ESTATES**  
 SECTION TWO  
 ELECTION DISTRICT NO. 4

DATE JAN 13/76 SCALE: AS SHOWN SHEET 2 OF 2