

- NOTES
1. Existing Zoning of Tract = RA-1.
 2. Tax Map "10"
 3. Existing Use of Tract "No Use"
 4. Proposed Use of Tract "Swimming Pool"
 5. Total Area of Tract = 4.4321 AC. ± = 193,162.90 SQ. FT.
 6. Proposed Parking Spaces = 52 Spaces
 7. (1) Denotes number of parking spaces
 8. 4 feet of deck shall be provided behind diving board
 9. 12" Chain Link Fence around Wading Pool
 10. 6" Chain Link Fence around Pool Area.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *[Signature]* DATE 7/16/74

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR *[Signature]* DATE 8/19/74

CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING
[Signature] DATE 7/24/74

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAIN SYSTEMS AND ROADS
 HOWARD CO. DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* DATE 7/23/74

CHIEF, BUREAU OF HIGHWAYS
[Signature] DATE 7/22/74

I CERTIFY, THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF EROSION & SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY 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.

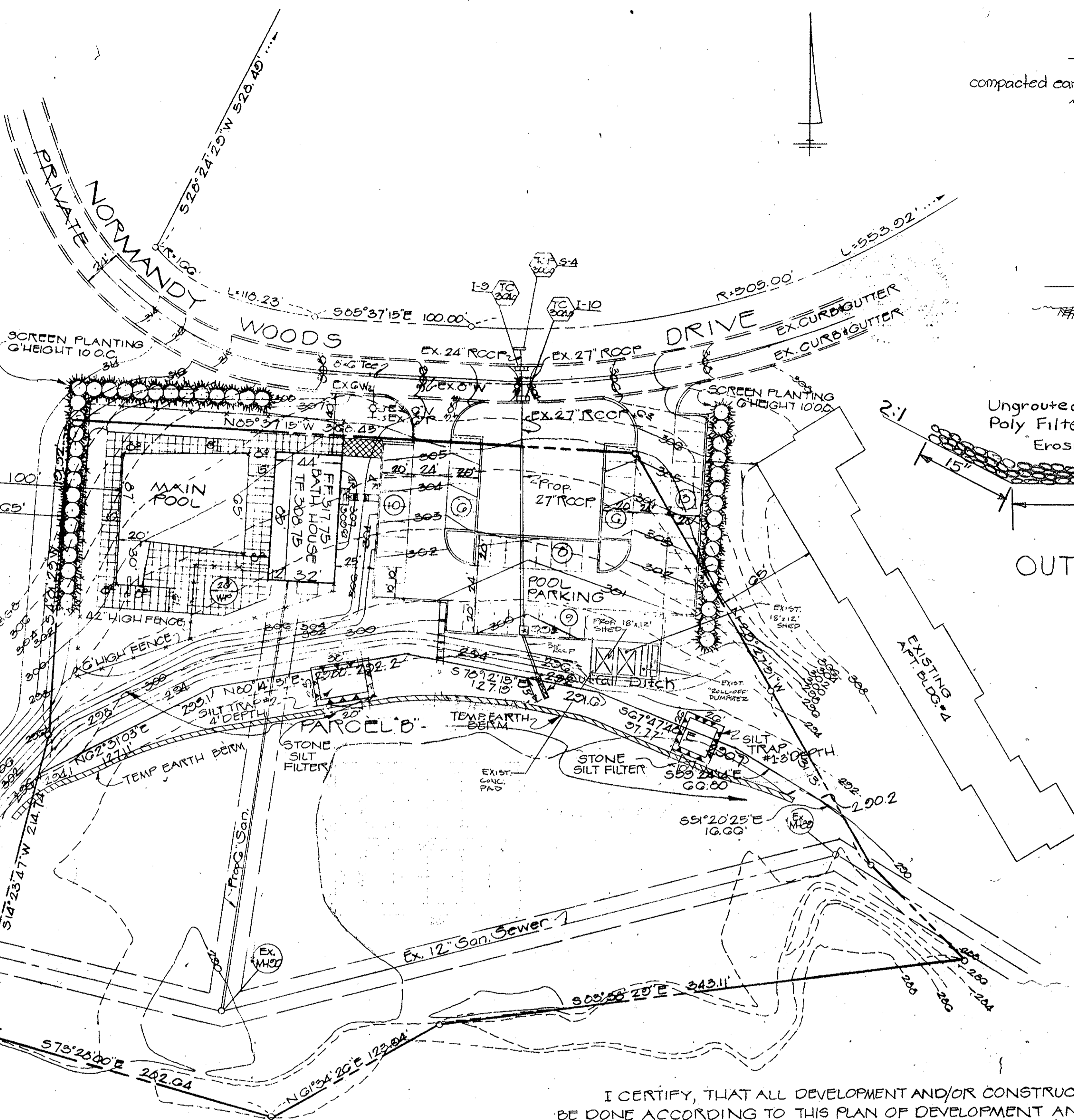
[Signature] DATE 5/3/74
 S. V.P.

I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] DATE 7/3/74

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 U.S. SOIL CONSERVATION SERVICE DATE 7-19-74

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED *[Signature]* DATE 7-19-74

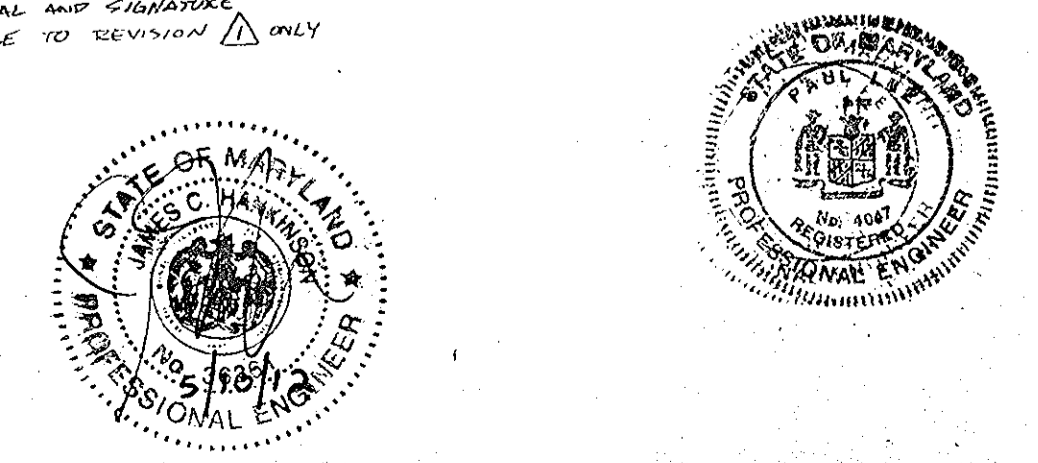


NOTE:
 1. POOL DECKS WILL SLOPE 1/8" - 1/2" AWAY FROM POOL EDGE TO POINTS OF DRAINAGE AND BE OF A NON-SLIP FINISH.

2. Slopes Steeper than 3:1 will be stabilized in accordance with "Critical Area Stabilization (with ground covers,)" see page 2500 thru 3507 - Std. Spec. Soil Erosion & Sediment Control In Urban Areas. U.S.D.A.: S.E.S.

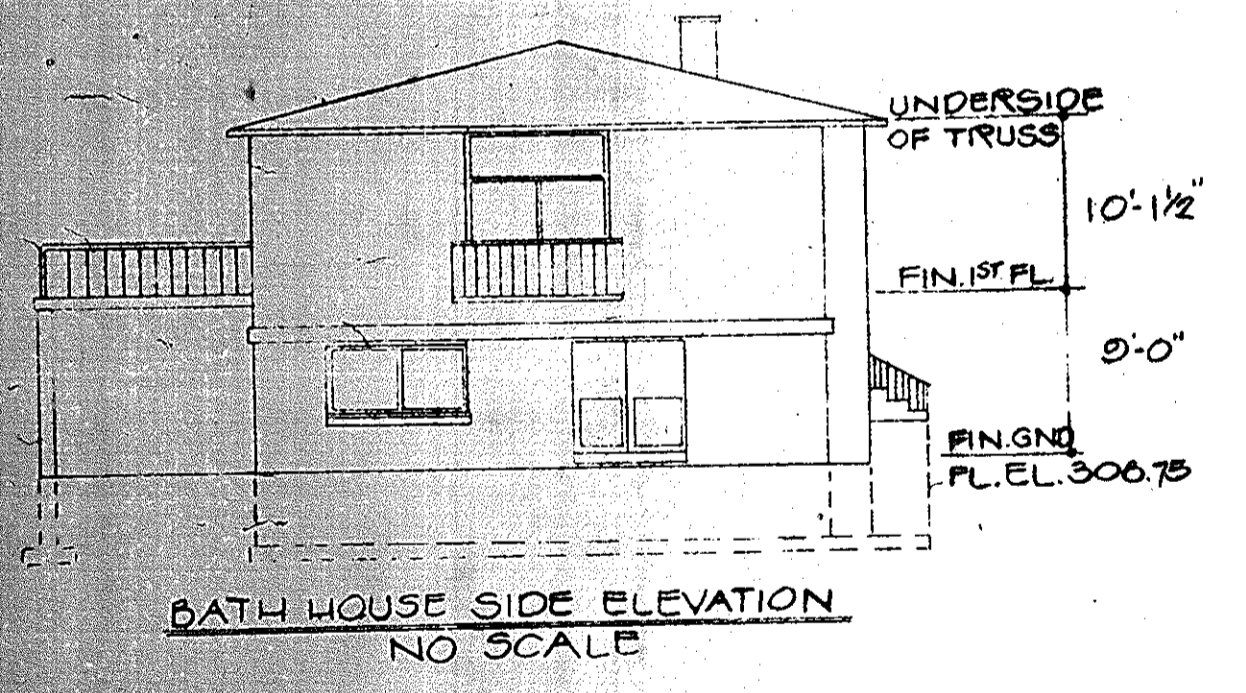
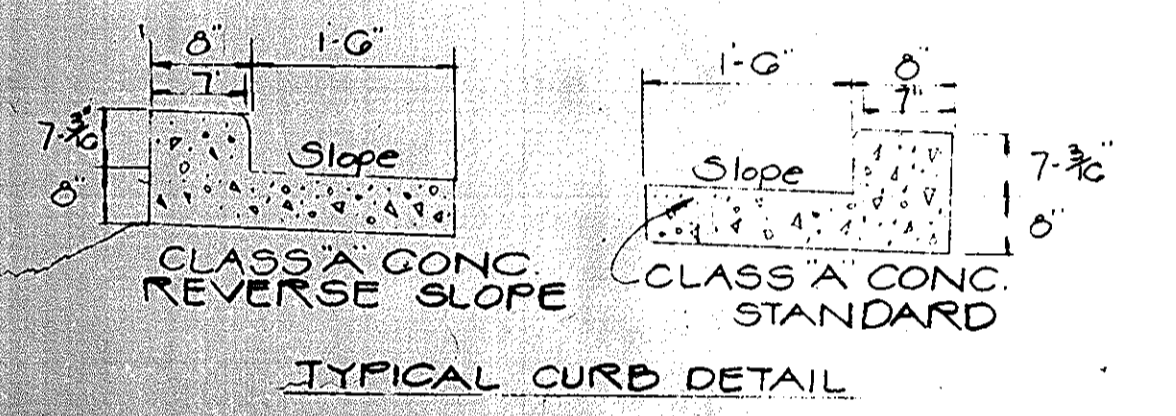
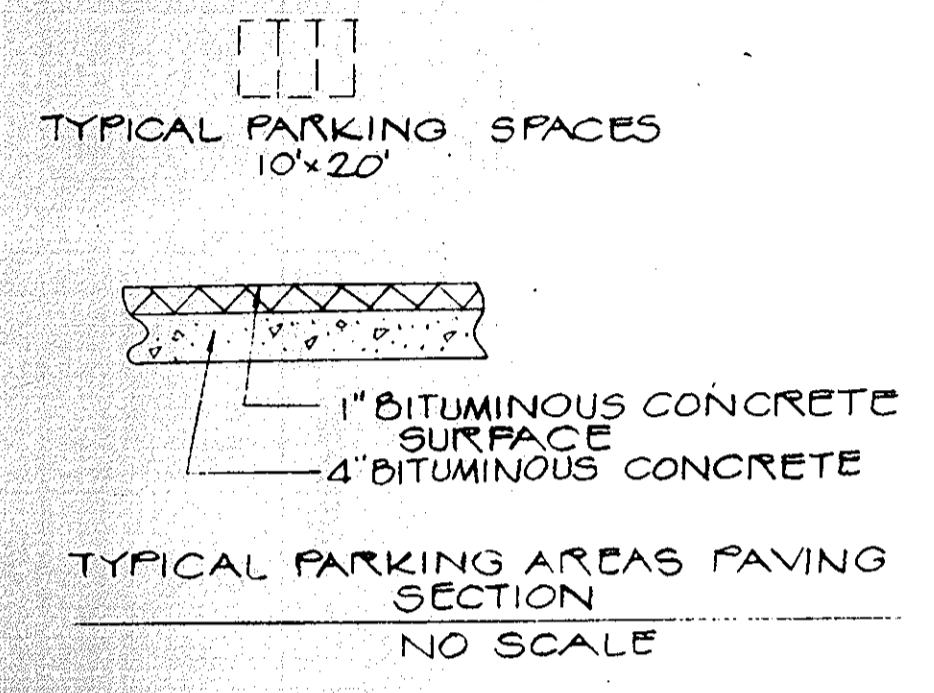
PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36301 EXPIRATION DATE: 10-20-12

NEW SEAL AND SIGNATURE APPLICABLE TO REVISION ONLY



ENGINEERS
 MOA ENGINEERING CORP
 1020 CROWWELL BRIDGE RD.
 BALTIMORE, MD. 21204

OWNER & DEVELOPER
 UNIVERSAL HOUSING & DEVELOPMENT CO.
 800 LANIERSTON ROAD
 BALTIMORE, MD. 21220



SEDIMENT CONTROL NOTES

1. Contractor to notify the Howard County Soil Conservation District & the Howard Co. Bureau of Licenses, Inspection & permits 24 hrs prior to starting grading operations
2. Before general grading operations begin contractor to construct temp. earth berms & silt traps with stone silt filters. Temp earth berms are to be seeded & mulched immediately using mixture listed below. Constant maintenance is required for earth berms & stone silt filters. When stone used as filter becomes 50% clogged with silt, stone to be removed & replaced.
3. All areas not stabilized by bldg. or paving to be seeded & mulched.

Seedbed Preparation: (Per Acre)

- A. 2 tons limestone
- B. 600 lbs. 0-20-20 worked 3" depth
- C. 400 lbs. 35-0-0 area from fertilizer
- D. 500 lbs. 10-20-10

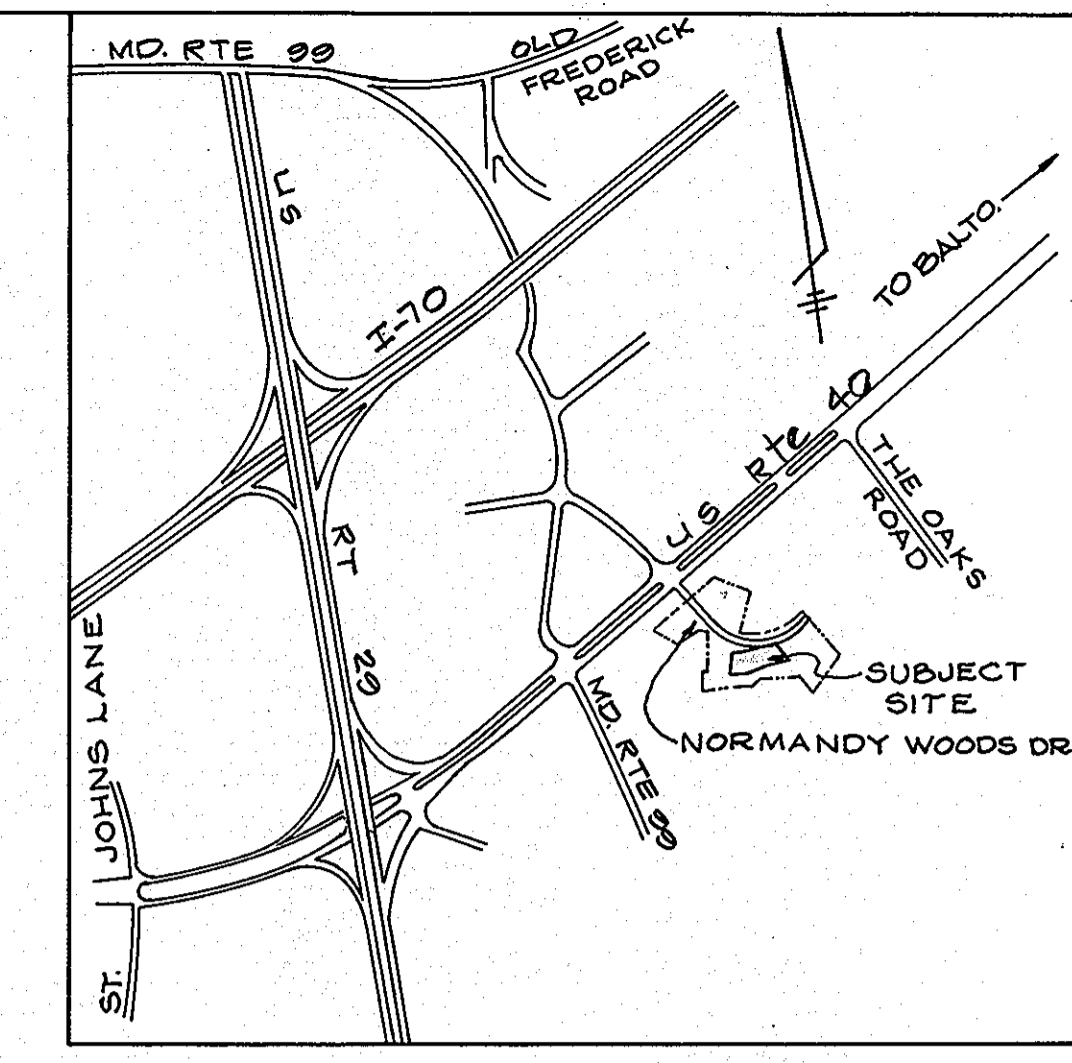
Seed seed shall be Kentucky 21 Tall Fescue @ 60 lbs./acre applied to a firm moist seedbed. After seeding, uniformly mulch these areas with unweathered small grain straw (preferably wheat) @ the rate of 1.5 tons/bc. After mulching use asphalt tie down (Liquid asphalt) rapid curving (RC-70, RC-200, or RC-600) applied @ 0.1 gal./sq. yd. seeded areas to be watered as necessary until plant growth has been firmly established.

4. Other sediment control measures may be necessary in addition to those outlined & if inspected so deems.

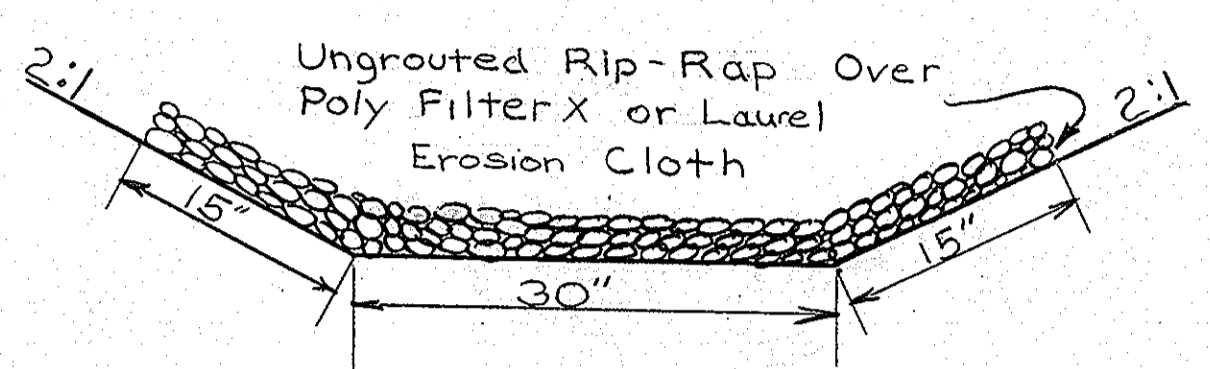
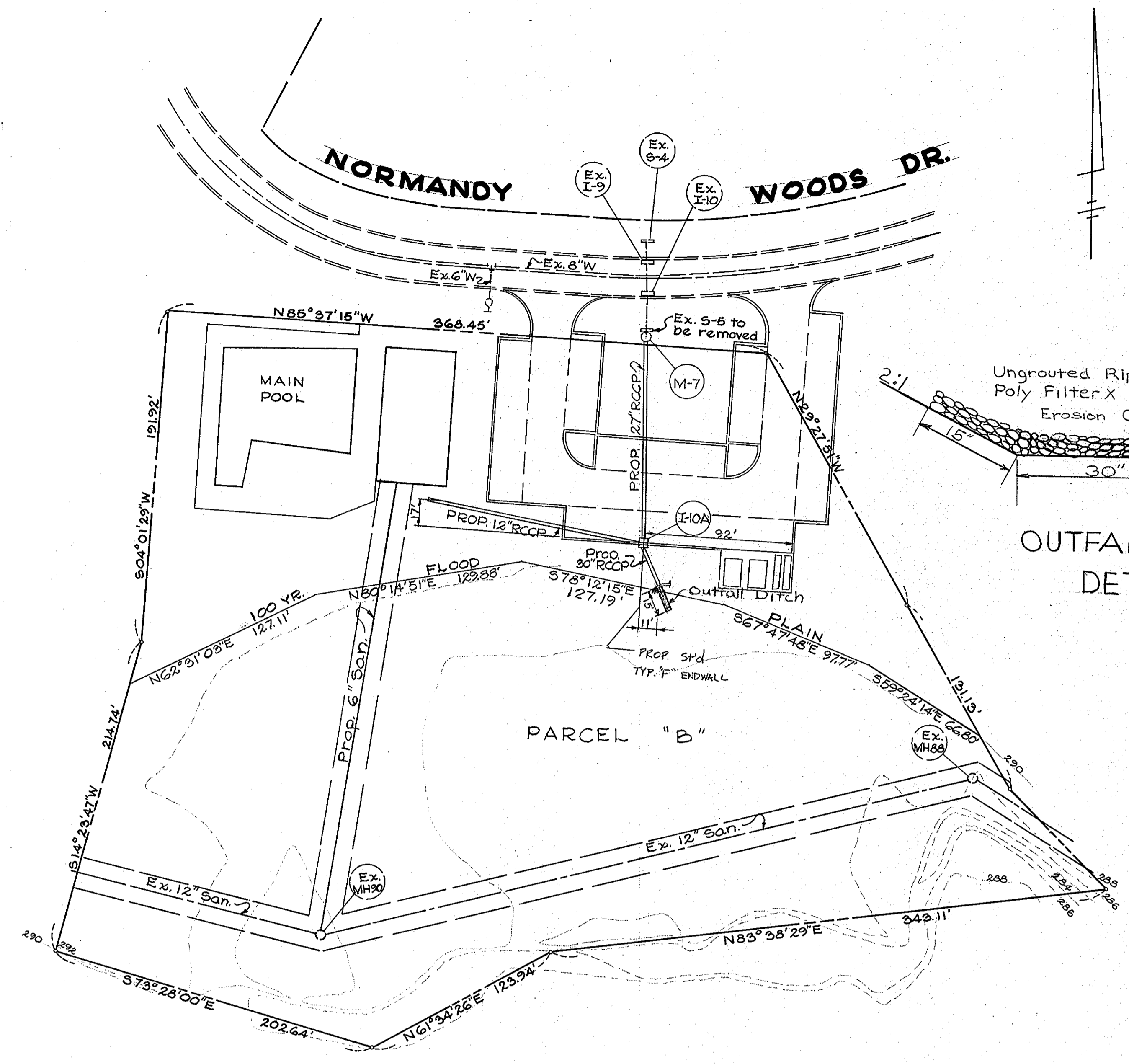
APPROVED
 PLANNING DIRECTOR
 OF HOWARD COUNTY
 DATE 5/20/74
[Signature]

SWIMMING POOL
 SEDIMENT CONTROL PLAN
 CHARLESTON PLACE APARTMENTS, SECTION ONE
 (FORMERLY NORMANDY WOODS APT. SECTION ONE)
 U.S. ROUTE 40 & NORMANDY WOODS DRIVE
 ELECTION DISTRICT 2 HOWARD CO. MD
 SCALE: 1" = 50' APRIL 23, 1974

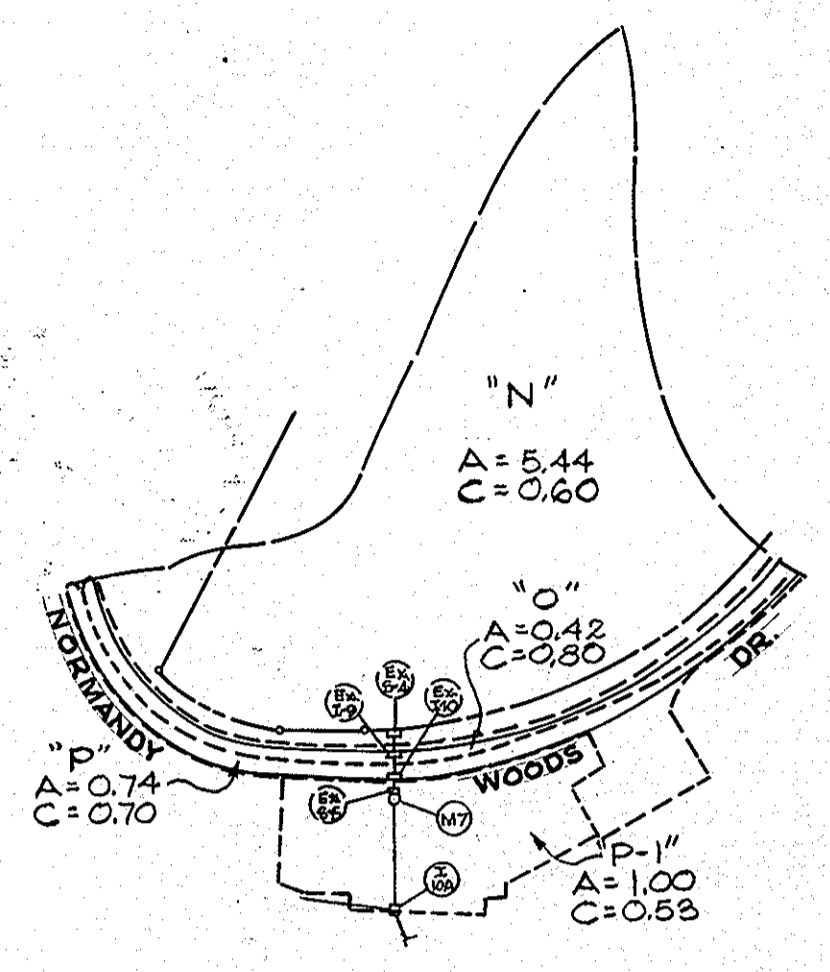
DATE	NO.	REVISION
4/24/72	1	SHOW EXIST. CURB AND DRIVEWAY, SEED AND MULCH TEMP. EARTH BERM



LOCATION MAP
Scale: 1"=2000'



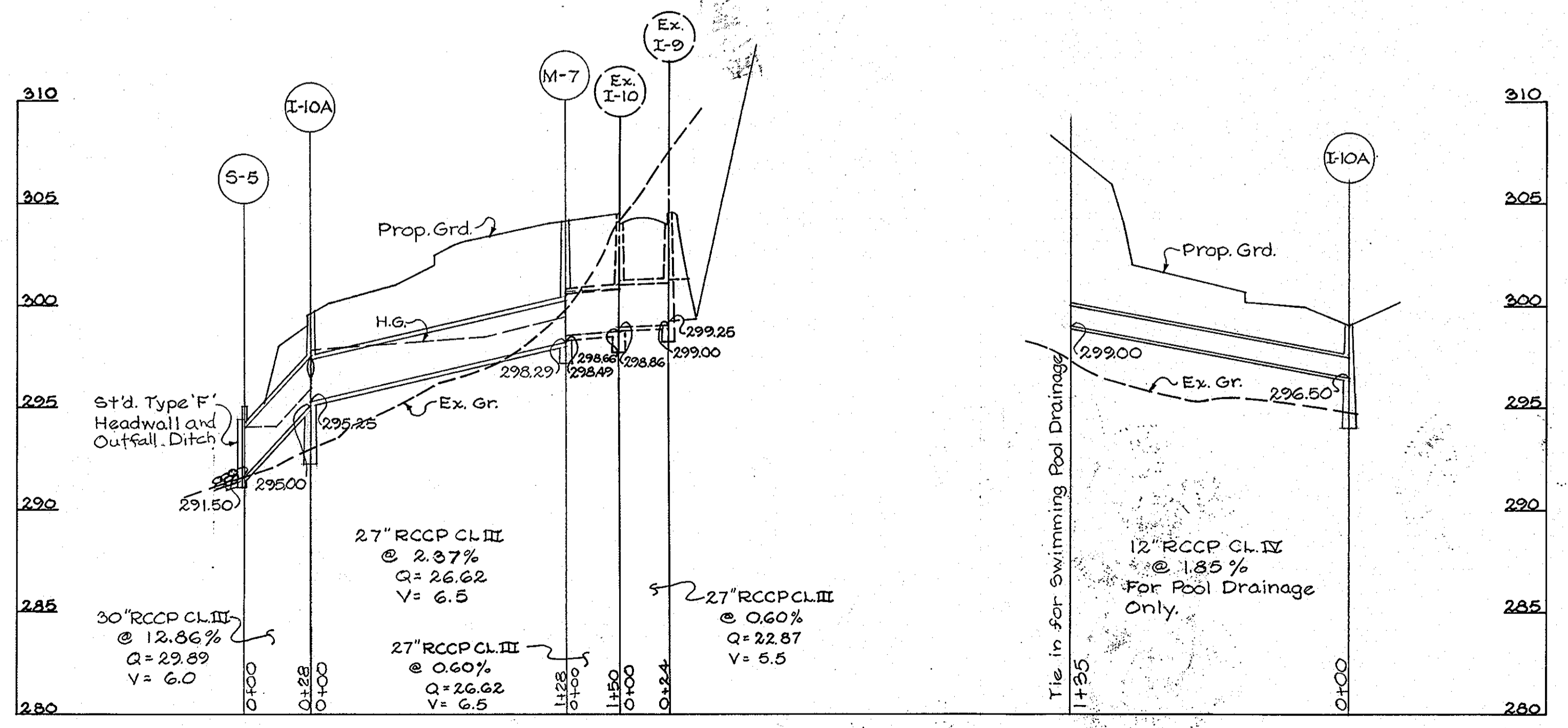
OUTFALL DITCH
DETAIL



DRAINAGE AREA MAP
SCALE: 1"=200'

STORM DRAIN DESIGN DATA

LOCATION	FROM	TO	AREA	ACRES		COEFF	CA	ΣCA	TIME CONC-MIN		INTEN	Q=C.I.A.	PIPE n=0.014	REMARKS				
				SUB	TOTAL				INLET	DRAIN					"I"	C.F.S.	SIZE	SLOPE
S-4	I-9	N	5.44		0.60	3.26			9.0	9.0	6.25	20.38	24"	0.90	6.3	12'	20 yr/10 yr.	
	I-9	O	0.42		0.80	0.80			7.0	7.0	1.66	2.66					20 yr/10 yr.	
I-9	I-10	N+O		5.86				3.66	9.0	9.0	6.25	22.87	27"	0.60	5.5	24'	20 yr/10 yr.	
	I-10	P	0.74		0.70	0.70			7.0	7.0	1.66	3.95					20 yr/10 yr.	
I-10	I-10A	N+P		6.60				4.26	9.0	0.1	9.1	6.25	26.62	27"	0.81	6.5	150'	20 yr/10 yr.
	I-10A	P-1	1.00		0.50	0.50			8.2	8.2	1.80	3.87					* For Swimming Pool Drainage	
Swimming Pool Drain	I-10A	*		Shown in Profile								12"						
I-10A	S-5	N+P+1		7.60				4.86	9.1	0.4	9.5	6.15	29.89	30"	0.59	6.0	32'	



INLET SCHEDULE

No.	Type	Inv. Out	Top Elev	Qcfs
I-10A	A	295.00	299.50	3.87

MANHOLE SCHEDULE

No.	Type	Size	Inv. Out	Top Elev
M-7	A	48"	298.29	304.20

PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36361. EXPIRATION DATE: 10-20-12



APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department. *[Signature]* 7/26/74
 APPROVED: Howard Co. Office of Planning and Zoning. *[Signature]* 8/19/74
 APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads. *[Signature]* 7/22/74
 APPROVED: *[Signature]* 7/22/74

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE: 6/26/74
[Signature]

ENGINEERS MCA ENGINEERING CORP. 1020 CROMWELL BRIDGE RD. BALTIMORE, MARYLAND 21204 <i>[Signature]</i> P.E. Reg No. Date	OWNER & DEVELOPER UNIVERSAL HOUSING & DEVELOPMENT CO. 305 LANNERTON ROAD BALTIMORE, MARYLAND 6/22/74 Date	HOWARD COUNTY DEPT. of PUBLIC WORKS Bureau of Highways Approved: <i>[Signature]</i> 7/22/74 Chief	OFFICE OF PLANNING & ZONING Division of Land Development Approved: _____ Chief Engineer	STORM DRAINS AND DRAINAGE AREA MAP CHARLESTON PLACE APARTMENTS SECTION ONE (FORMERLY NORMANDY WOODS APT. SECTION ONE) Howard County, Maryland Election District 2	REVISIONS Date Description By Sheet 9/29/74	Sheet _____ Drawing No. _____ Contract No. _____
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