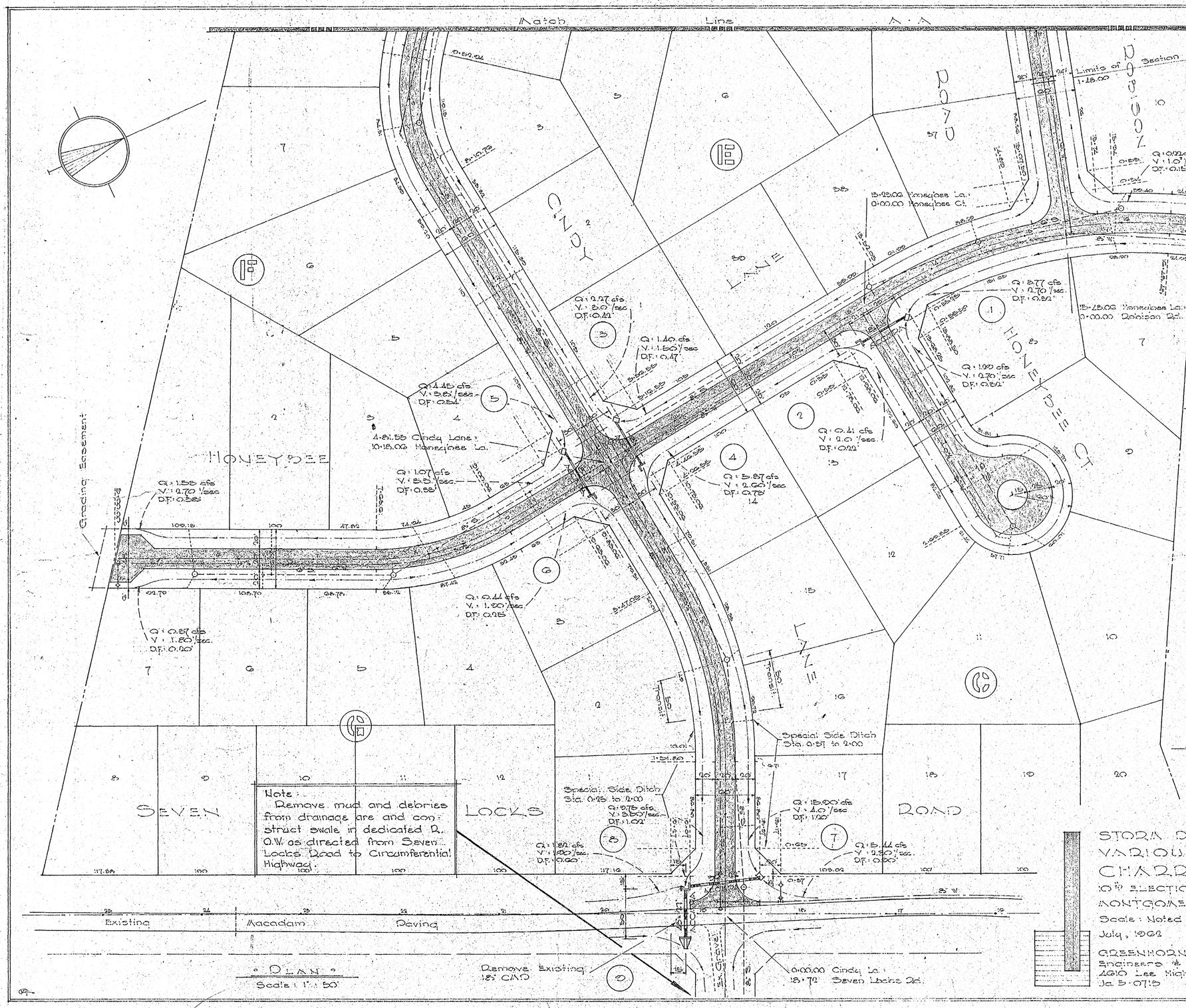


PLAN
Scale: 1" = 50'

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE 5-9 1963
BY G. M. L.

* subject to necessary easements.

S.D. #D-31, 63047-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED April 11, 1963
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURES AFFECTED. THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS OR TO OWNERS DOWNSTREAM BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
John A. Marx
SENIOR DESIGNER ENGINEER

* As temporary construction

Storm Drain Notes

1. All storm drains shall be constructed in accordance with the General Specifications of the Washington Suburban Sanitary Commission, adopted September 30, 1954.
2. Types of structures refer to the Washington Suburban Sanitary Commission's Standard Storm Drainage Details unless otherwise noted.
3. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching. If clearances are less than shown on this plan or six (6) inches, whichever is less, contact the Storm Drain Section of the Washington Suburban Sanitary Commission before proceeding with construction.
4. Storm drains shown on this plan will be maintained by Montgomery County.

S.D. #D-32, 63145-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED August 6, 1963
FOR STORM DRAINS ONLY
John A. Marx
SENIOR DESIGNING ENGINEER

* Storm Drain Notes

Owners
Blum & Cowen
5602 Albia Road
Bethesda, Maryland

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
CHARRED OAK ESTATES
10th ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND
Scale: Noted
July, 1962

GREENHORNE, O'MARA, DEWBERRY & NEALON
Engineers & Surveyors
4610 Lee Highway, Arlington, Va.
Ja. 5-0715

739

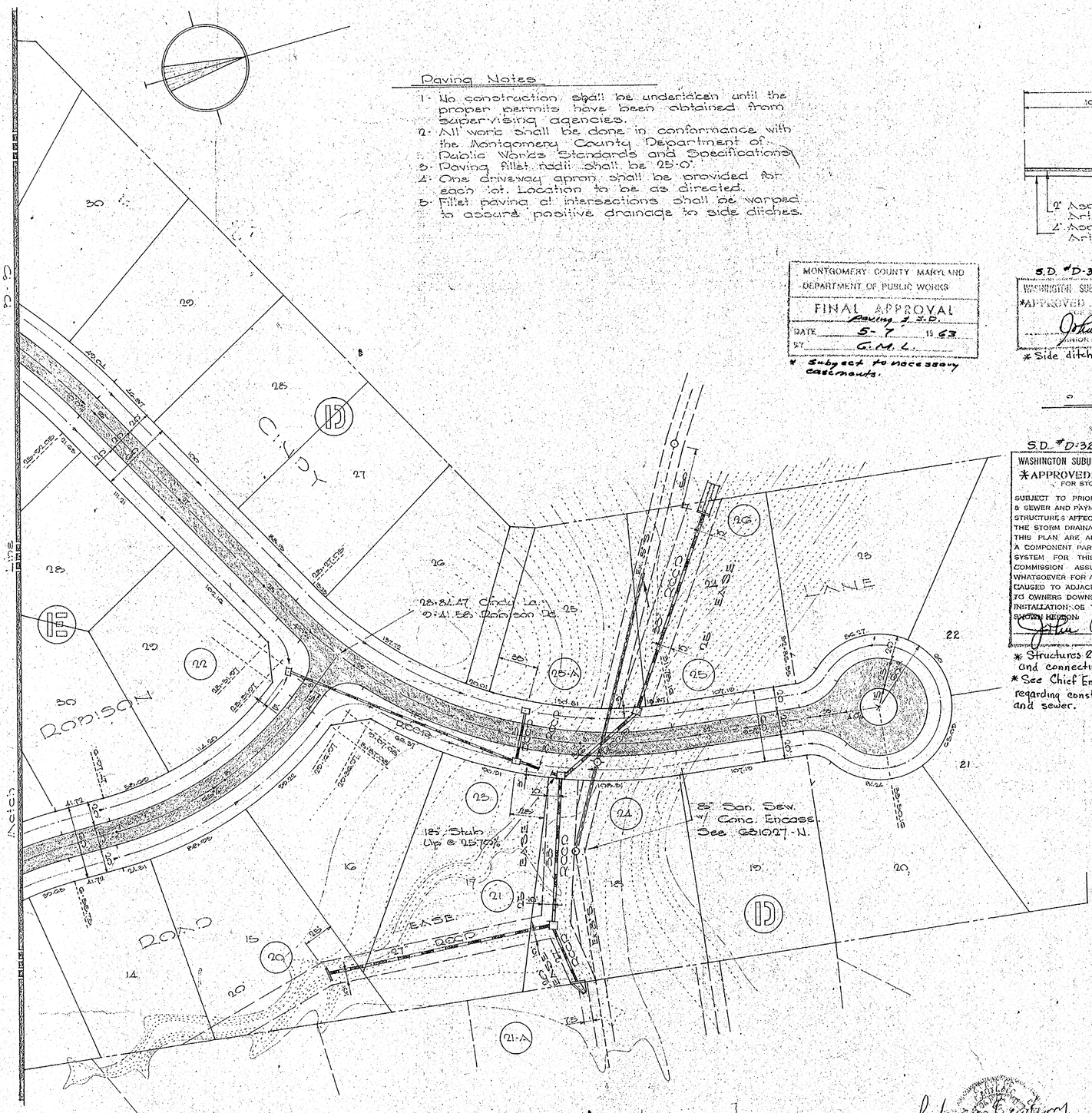
Sheet 1 of 2

CE487-726-1

SD FILE NO. 739

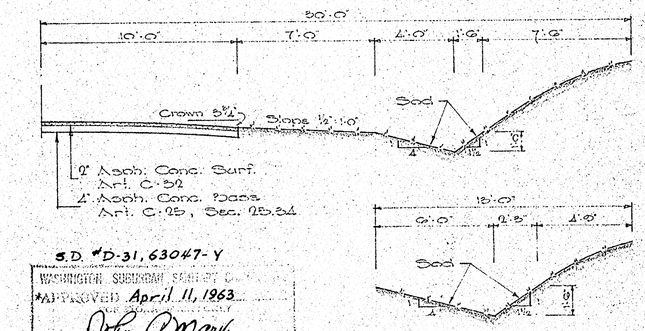
Paving Notes

1. No construction shall be undertaken until the proper permits have been obtained from supervising agencies.
2. All work shall be done in conformance with the Montgomery County Department of Public Works Standards and Specifications.
3. Paving fillet radii shall be 25'-0".
4. One driveway apron shall be provided for each lot. Location to be as directed.
5. Fillet paving at intersections shall be warped to assure positive drainage to side ditches.



PLAN
Scale : 1" = 50'

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
Paving & S.D.
DATE 5-7 1963
BY G.M.L.
* Subject to necessary easements.



S.D. #D-31, 63047-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED April 11, 1963
John A. Marx
SENIOR DESIGNING ENGINEER
* Side ditch sections

SPECIAL SIDE DITCH

HALF PAVING SECTION
Scale : ¼" = 1'-0"

S.D. #D-32, 63145-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED August 6, 1963
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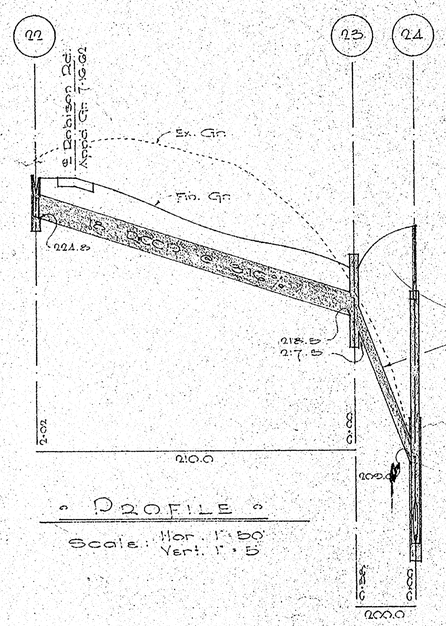
John A. Marx
SENIOR DESIGNING ENGINEER
* Structures 20, 21, 21-A, 24, 25, 26 and connecting pipes only.
* See Chief Engineer's letter of 7/5/63 regarding construction prior to water and sewer.



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

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
CHARRED OAK ESTATES
10th ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND
Scale: Noted
July, 1962
GREENHORNE, O'MARA, DEWBERRY & NEALON
Engineers & Surveyors
4610 Lee Highway, Arlington, Va.
Ja. 5-0713

739

Sidney C. Dewberry

Sheet 3 of 4

CE487-726-2

SD FILE NO. 739

S.D. #D-32, 63145-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

*APPROVED August 6, 1963

FOR STORM DRAINS ONLY

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John A. Marx

SENIOR DESIGNING ENGINEER

* See sheet 3 of 4 for limits

*See Montg. Co. Director of Public Works' letter dated Sept. 6, 1961 regarding elimination of protective gate. Structures 20, 21-A & 26

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL
paving & S.D.
DATE 5-7 1963
BY G.M.L

* subject to necessary easements.

S.D. #D-31, 63047-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

*APPROVED April 11, 1963

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John A. Marx

SENIOR DESIGNING ENGINEER

* As temporary construction.
* Structures 1 through 9 and connecting pipes only.

SCHEDULE

	STRUCTURE				PIPE		
	Nº	Type	Elevation	Remarks	Dia	Length	Type
*	1	J	241.2 @ Notch	SRC Std (15') In.	18"x11"	150'	ACCMPA *
	2	E	241.2 @ Top	" " (15)			16 Gage
*	3	J	239.0 @ Notch	" " (15') In.	36"x22"	72'	ACCMPA *
	4	E	238.7 @ Top	" " (15)			14 Gage
*	5	J	239.0 @ Notch	" " (15') In.	43"x27"	50'	ACCMPA
	6	E	238.7 @ Top	" " (15)			12 Gage *
*	7	J	222.3 @ Notch	" " (24') In.	15"φ	210'	RCCP
	8	F Mod.	221.8 @ Top	" " (30')			
	9	Endwall	222.0 @ Top	WSSC Std (27')	18"φ	664'	RCCP
*	10	J	241.0 @ Notch	SRC Std (15') In.			
	11	B	238.0 @ Top	WSSC Std 48"□	24"φ	48'	RCCP
	12	D	235.5 @ Top	WSSC Std			
*	13	J	231.6 @ Notch	SRC Std (24') In.	27"φ	412'	RCCP
*	14	J	231.6 @ Notch	" " (24') In.			
	15	B	232.0 @ Top	WSSC Std 48"□	33"φ	290'	RCCPX
	16	Cut-off Wall 7' Floodgate - 10' Rip-rap (27")					
*	17	J	240.6 @ Notch	SRC Std (18') In.	36"φ	78'	RCCPX
*	18	J	240.6 @ Notch	" " (18') In.			
	18-A	B	231.5 @ Top	WSSC Std 48"□			
	19	Cut-off Wall - 10' Rip-rap (18")					
	20	Endwall	214.5 @ Top	WSSC Std (27")			
	21	B	218.0 @ Top	" " 60"□			
	21-A	Endwall	218.0 @ Top	" " (27")	* Asphalt Paved and Coated		
*	22	J	226.5 @ Notch	SRC Std (18') In.			
*	23	J	221.5 @ Notch	" " (15') In.			
*	23-A	J	221.5 @ Notch	" " (15') In.			
	24	B	224.2 @ Top	WSSC Std 60"□			
	25	B	224.2 @ Top	" " "			
	26	Cut-off Wall & 25' Rip-rap (33")					

* All 'J' Inlet to have Grates

° PROFILES °

Scale : Hor. 1" = 50'
Vert. 1" = 5'

Sidney O. Dewberry

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
CHARRED OAK ESTATES
10th ELECTION DISTRICT
MONTGOMERY COUNTY, MARYLAND

Scale: Noted

July, 1962

GREENHORNE, O'MARA, DEWBERRY & NEALON
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739

CE487-726-3

SD FILE NO. 739