CHARRED OAK DRIVE

Sta 12+30 ± Charred Oak Drive Begin Standard Side Ditch

M.S.R.C. Std. Type 'J' Inlet for 12" Pipe

18"x11" CMPA

M.S.R.C. Std. Type 'E' Endwall for 11"x 18" Arch Pipe

Provide Montgomery County Std Barricade Posts-7 @ 50' o.c.

12"x11" CMPA

M.S.R.C. Std. Type 'E' Endwall for 11"x 18" Arch Pipe

Provide 6"x 1'-0" cutoff wall & chds. at all paved ditches

Work side ditch to clear envelope

Provide Montgomery County Std Barricade Posts- 8 @ 10' o.c. 7 at each endwall

℄ Sewer — 7.5' — R 1' — 4' — ℄ Ditch — Existing Ground Line — Sod — 2:0"

8" Sanitary Sewer

TYPICAL SECTION- OUTFALL DITCH FROM 'F'
Scale: 1"=5'-0"

TYPICAL FILL SECTION

Slope ½"-0" ± Grass — 2" Asphaltic Conc. Surface — 4" Asphaltic Conc. Base — Existing Ground Line — Slope 1:1 — Slope 1:1 — 5¾" Crown

2" Asphaltic Conc. Surface
4" Asphaltic Conc. Base

HALF PAVING SECTION
Scale ½"=1'-0"

Slope 4:1 — Slope ½"-0" — Edge of Paving

Provide 6"x 1'-0" cutoff wall & chds. at all paved ditches

TYPICAL CONCRETE SIDE DITCH
Scale 4"=1'-0"

Slope 4:1 — Ex. Ground over ℄ Pipe — 10' Dibrek paving, Sec W.S.S.C. Std. Detail 56/1225-L — Lot 5 Bl. D — Slope 4:1

Plan Scale 1"=50'

Asphalt Plane 100'± @ 1.5% — $240/SY 1"x 150' End section Rip rap $40/CY — $3,600 — $1,000 — $4,000

Slope 4:1 — Ex. & Sewer Locks Rd — Ex. Ditch — 1.5% — Inv 24.16 — Inv 24.60 — 15"x 10" CMPA @ 1.32 16 gage

Ex. Grd. over ℄ Pipe

Inv 23.20 — Inv 23.77 — Inv 22.37 — Inv 22.20 — Inv 21.80 — Inv 21.50 — Inv 21.30 — Inv 20.80 — Inv 20.50

Slope 4:1 — Top of bank Lt & Rt — Ex Grd over ℄ Pipe — Invert of side ditch — Slope 4:1 — Top of ditch, Lt & Rt — Slope 0.82 — Slope 4:1 — Future ℄ grade Seven Locks Rd — Existing ℄ Seven Locks Rd — Inv of side ditch — Existing Ditch Line — Inv of Side Ditch — Inv of Outlet Ditch

Invert of Side ditch. Provide Bank run Gravel back fill where pipe is above existing ground

Owner to provide 8' R/W thru Lot 6 on north line

Provide Montgomery County Std Barricade Posts-6 @ 50' o.c.

M.S.R.C. Std. Type 'J' Inlet for 16" Pipe

16"x 10" CMPA - 16 gauge @ 1.6%

M.S.R.C. Std. Type 'J' Inlet for 12" Pipe

25"x 16" CMPA 16 gauge @ 2.7%

18"x 11" CMPA 16 gauge @ 2.4%

25"x 16" CMPA 16 gauge @ 2.7%

M.S.R.C. Std. 'C' End Wall for 20"x 13" Arch Pipe 10' Riprap paving

#9012

Patterson

#9016

Fuller

Provide Montgomery County Std Barricade Posts-6 @ 50' o.c.

25"x 16" CMPA

Provide Montgomery County Std Barricade Posts-7 @ 50' o.c.

Provide Montgomery County Std Barricade Posts-8 @ 10' o.c. 7 at each endwall at edge of shoulder

Provide Concrete Side Ditch Sta 7+54 To Sta 7+77.4

Provide Concrete Side Ditch Sta 6+85 To Sta 7+05.4

Provide "Embankment" for minimum concrete turn around

M.S.R.C. Std End Section Wall for 18" Pipe

18"x 11" CMPA

Note: concrete side ditches to be constructed in fill areas as directed by field inspector.

PIPE PROFILES
Scale: Horiz 1"=50' Vert 1"=5'

M.S.R.C. Std Type 'E' Endwall for 11"x 18" Arch pipe

18"x 11" CMPA

Provide Montgomery County Std Barricade Posts @ 50' o.c. 7 at each endwall at edge of shoulder

Notes

1- All storm drains shall be constructed in accordance with the General Specifications of the Washington Suburban Sanitary Commission adopted September 30, 1964.

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 hand dug test pits 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 W.S.S.C. before proceeding with construction.

SCHEDULE

STRUCTURE No	Type	To-El	Remarks	PIPE Dia	Line	Length	Remarks
A	B	-	M.S.R.C. Std.	12"-11"	A-B	47'	16 gauge CMPA
B	B	-	M.S.R.C. Std.	18"x11"	C-D	61'	16 gauge CMPA
C	J	-	M.S.R.C. Std.	25"x16"	B-F	53'	16 gauge CMPA
D	B	-	M.S.R.C. Std.	18"x11"	G-H	60	16 gauge CMPA
E	J	-	M.S.R.C. Std.	16"x10"	K-J	32	16 gauge CMPA
F	E	-	M.S.R.C. Std.	All pipe to be as shown Coated with paved inverts			
G	C	-	M.S.R.C. Std.				
H	End Sect	-	M.S.R.C. Std.				
J	E	-	M.S.R.C. Std.				
K	E	-	M.S.R.C. Std.	* Provide			

470.25 to STP
459.04 to 20' S/D Easement
11.21

SD # D-25 60189 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Sept. 29, 1960
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.
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE BEFORE BEGINNING CONSTRUCTION.

Revised location of structures A & B and connecting pipes and revised structure type @ F approved 12/29/60 Jtm
Side ditch revisions along lots 2/3 & 4, Block D, approved 3/30/61 JTM

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS

PAVING & STORM DRAINAGE
October 7th 60
DChalwell

* West Line, Lot 1, Blk. A to Seven Locks Road.
** Subject to Necessary easements
*** First line Lot 2 Blk A to West ROW Line Seven Locks Rd
**** Line Bet. 2 Blk D Charred Oak Dr. and from Charred Oak Dr To South line of Lot 12 Blk B on Honey bee Lane 12-9-60 JTM

NOTE:
1. No work shall be done until the proper permits have been obtained.
2. Paving fillet radii shall be 25'-0".
3. One driveway apron shall be provided for each lot location as directed.
4. All work shall be performed in accordance with the Specifications of the Montgomery County Department of Public Works.
5. Provide one drive-away culvert for each lot, 20'-0" long - 18"x 11" CMPA 16 gage with 2 C.I. End sections with 2:1 Slope Locate as directed.

STORM DRAIN & PAVING
VARIOUS STREETS
CHARRED OAK ESTATES
MONTGOMERY COUNTY, MARYLAND

SCALE: 1" = NOTED — JULY 1960

SHEPHERD & WORTHINGTON
LAND SURVEYORS
SILVER SPRING, MARYLAND

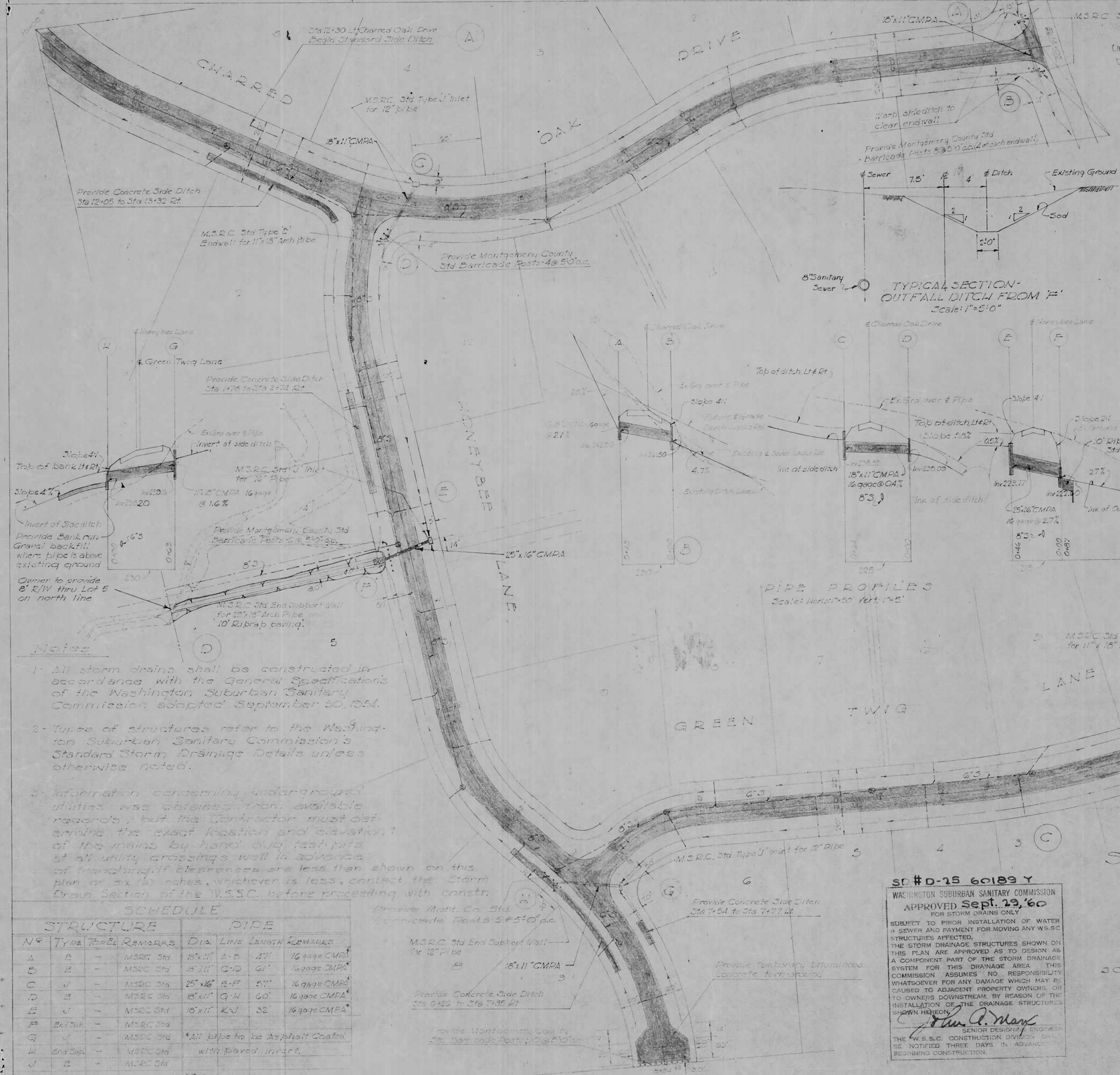
Owner: Cook Enterprises
6619 Seltzer Drive
Bethesda 14, Maryland

CE487-532-1

SD FILE NO. 539

P.O. 2600-D

#61



SD # D-25 60189 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Sept. 29, '60
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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.

SENIOR DESIGNING ENGINEER

THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
CHARRED OAK ESTATES
MONTGOMERY COUNTY, MARYLAND

SCALE: NOTED — JULY, 1960

SHEPHERD & WORTHINGTON
LAND SURVEYORS
SILVER SPRING, MARYLAND

Owner: Cook Enterprises
6812 Selkirk Drive
Bethesda 14, Maryland

CE487-532-2

SD FILE NO. 539 #61