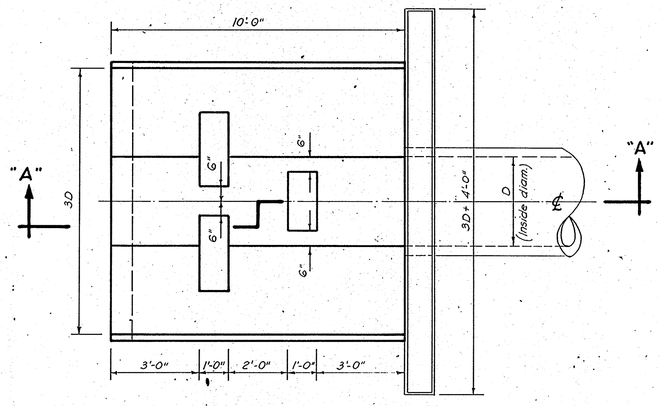
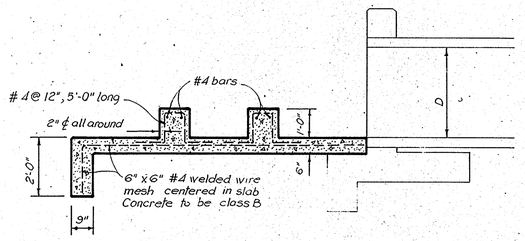
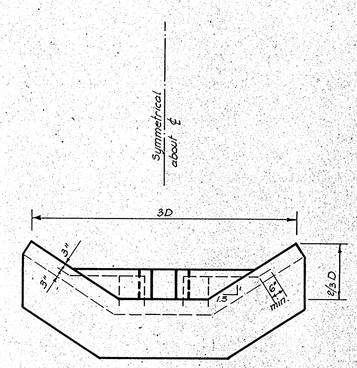


PLAN



SECTION "A"-"A"

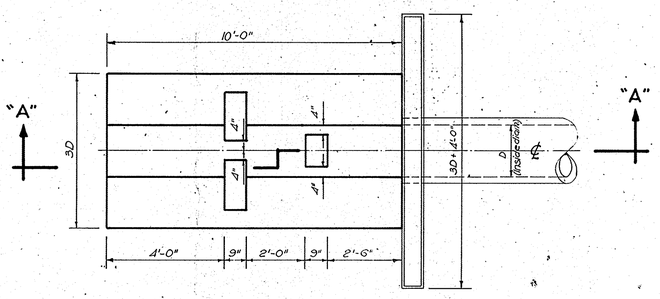


FRONT ELEVATION

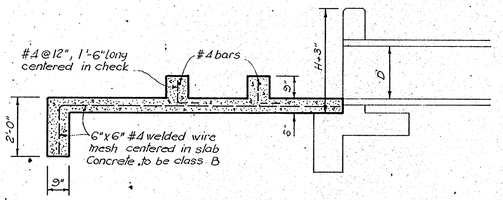
SD# D-31, 63023-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 14, 1963
FOR STORM DRAINS ONLY
John A. Mary
SENIOR DESIGNING ENGINEER

VELOCITY CHECK FOR 27" THRU 48" PIPES

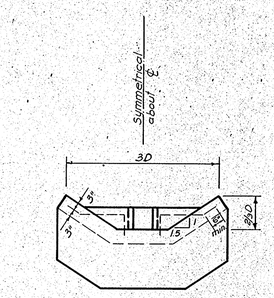
STRUCTURE Nº 150



PLAN



SECTION "A"-"A"



FRONT ELEVATION

VELOCITY CHECK FOR 15" THRU 24" PIPES

732

DATE	REVISION	DRAFTING: PS & JF CHECK: J² DESIGN: A.E.I CHECK: J²	HAMPSHIRE INVESTORS CORPORATION 8600 16th Street Silver Spring, Maryland	CIVIL ENGINEERS ▪ LAND PLANNERS ▪ LAND SURVEYORS THOMAS G. OYSTER AND ASSOCIATES INC. 2419 REEDIE DRIVE ▪ WHEATON ▪ MARYLAND ▪ 949-2011	PAVING & STORM DRAINS	REGENCY ESTATES MONTGOMERY COUNTY, MARYLAND	DATE June, 1962 SCALE No Scale	JOB NO. 1290 L-1 SHEET NO. 3 OF 3

SD FILE NO. 732

CE487-719-1

PRELIMINARY STORM DRAIN PLAN

This plan is satisfactory as to storm drainage design subject to revisions necessary to coordinate with other utilities. The plans must be completed and submitted to W.S.S.C. for approval prior to construction after water and sewer plans are completed.

4/11/62
Date

Senior Designing Engineer

Place compacted fill on bank of stream as shown. See Sheet 8 for typical section and profile.

Edge of shoulder — Varies — 6'-8" — 3'-4" — 3'-4" — Sod — Sod — 1.5:1 — 1.5:1 — 12" — 2:1 — 2:1 — 1'-8" — 6" Concrete ditch Class A Concrete — 6" x 6" x #4 Wire Mesh

DITCH SECTION A

Scale ¼"=1'-0"

Sod side slopes — 3'-0" — 2:1 — 2:1 — Existing ground — Existing Ground

DITCH SECTION B

Scale ¼"=1'-0"

Sod — Ex. Ground — 1.5:1 — 3'-0" — 3'-0" — 3'-0" — Sod — Ex. ground — 1.5:1 — 2:1 — 2:1 — Class B Concrete — 6" x 6" x #4 Wire mesh — Concrete Cutoff wall — 6" — 5' — X — X

Section X-X

Bend wire mesh down into cutoff wall. — 3'-0" — 9"

Provide grouted riprap over sewer as shown; provide cutoff wall 2 deep across upstream and downstream ends. Riprap to be 12" thick.

DITCH SECTION C

Scale ¼"=1'-0"

50 year flood plain indicated by solid shading

Contractor grouted rip rap across existing stream at bottom of Ditch Section E. See detail on sheet No 2

Grade Lot 5 to provide positive drainage to new ditch

Sta 215+09 to Sta 215+83 Lt. Remove existing guard rail

Sta 215+09 to Sta 214+49 Lt. Install M.S.R.C. Std Beam Type Guard Fence (Std PLGR 16 f 17) 4' off new edge of paving

Sta. 215+12 to Sta. 215+61 Rt. Remove existing concrete ditch and replace with pipe and ditch section A.

Sta 215+83 to Sta 215+85 Lt
Sta 215+50 to Sta 214+45 Rt
Sta 216+26 to Sta 216+58 Rt
Install M.S.R.C. Std Beam Type Guard Fence (Std PLGR 16 f 17) 4' off new edge of paving

Existing Concrete ditch

Existing sod ditch

Provide temporary bituminous concrete turn-around

Provide Mont. Co. Std. Barricade Posts - 11 @ 5'-0" o.c.

Provide temporary bituminous concrete turn-around

Provide Mont. Co. Std. Barricade Posts - 11 @ 5'-0" o.c.

Ditch Section E

Ditch Section F

Ditch Section G

Drainage Easement

20' Drainage Easement

Easement for slopes

Right of Way

Match to Sheet 4 of 7

Match to Sheet 5 of 7

W.S.S.C. Std cutoff wall & 20' concrete paving

M.S.R.C. Std Cutoff wall and 20' Concrete paving

CHARLESTON ROAD

SEVEN OAKS ROAD

ASHLEIGH DRIVE

SCHEDULE

STRUCTURE No.	Type	Top Elev.		Remarks	PIPE From	To	Dia.	Length	Type
1	F	—	—	M.S.R.C. Std EW-18 Mod.	1	2	18"	33	R.C.P. Cl. IV.
2	A-5	228.66	228.81		2	15	18"	36	R.C.P. Cl. IV.
3	B-15	228.61	229.03		1	4	60"x31"	310	ACCM.P.Arch.
4	F	—	—	M.S.R.C. Std EW-18	5	6	36"	132	R.C.P. Cl. IV.
5	F	—	—	M.S.R.C. Std EW-5	11	53	36"	86	R.C.P. Cl. IV.
6	F	—	—	M.S.R.C. Std EW-5	23	10	30"	27	R.C.P. Cl. IV.
7	C	—	—	M.S.R.C. Std EW-2	8	9	15"	56	R.C.P. Cl. IV.
8	A-10	228.61	228.61		9	35	18"	53*	R.C.P. Cl. IV.
9	A-10	228.61	228.61		11	M-2	36"	22	R.C.P. Cl. IV.
10	C	—	—	M.S.R.C. Std EW-2	M-2	12	30"	65	R.C.P. Cl. IV.

*Asphalt Coated Paved Invert. 16 gauge

STRUCTURE No.	Type	Top Elev.		Remarks	PIPE From	To	Dia.	Length	Type
11	Endwall	—	—	Standard Detail 60.48-L	M-2	13	21"	38	R.C.P. Cl. IV.
12	Endwall	—	—	" " "	13	14	21"	26	R.C.P. Cl. IV.
13	A-10	244.16	244.16	" " "	14	M-1	21"	148	R.C.P. Cl. IV.
14	A-10	244.16	244.16	" " "	M-1	15	21"	45	R.C.P. Cl. IV.
15	A-5	250.32	250.32	" " "	15	16	21"	36	R.C.P. Cl. IV.
16	B-15	250.82	250.49	" " "	16	17	15"	32	R.C.P. Cl. IV.
17	A-10	250.02	250.03	" " "	16	32	15"	164	R.C.P. Cl. IV.
32	B-15	253.45	254.13	" " "	Inlet				B.C.P. Cl. IV.
33	B.M.H.	253.43	—	48" Square Std. Detail 86.12-L					
M-1	B.M.H.	248.51	—	48" Square " " "					
M-2	B.M.H.	245.44	—	48" Square " " "					
34	Endwall	—	—	Std. Detail 60.48-L					

GENERAL 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. All storm drainage construction shown on these plans is to be maintained by the Montgomery County Department of Public Works.
5. All pipe to conform to A.S.T.M. Spec/C 76-58T.

SD #D 31, 63017-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Feb. 1, 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.

SENIOR DESIGNING ENGINEER

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE May 7, 1962
BY

* Storm Drainage Subject to Final Approval by W.S.S.C. & M.C.D.P.W.

CE487-719-2

P-2-33
Sheet No. 3 of 8

STORM DRAIN & PAVING PLAN - VARIOUS STREETS 732 ASHLEIGH

MONTGOMERY COUNTY, MARYLAND

SHEPHERD, WORTHINGTON & PRESCOTT, INC.
CIVIL ENGINEERS - LAND SURVEYORS - LAND PLANNERS
8226 FENTON STREET, SILVER SPRING, MD.

SCALE 1" = 50' DATE January 22, 1962

OWNER W. O. Gooley et al, 5301 Wisconsin Ave., N.W. Washington 15, D.C.

SD FILE NO. 732

Maryland State Archives

SD."D-31,63017-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Feb. 1, 1963
FOR STORM DRAINS ONLY

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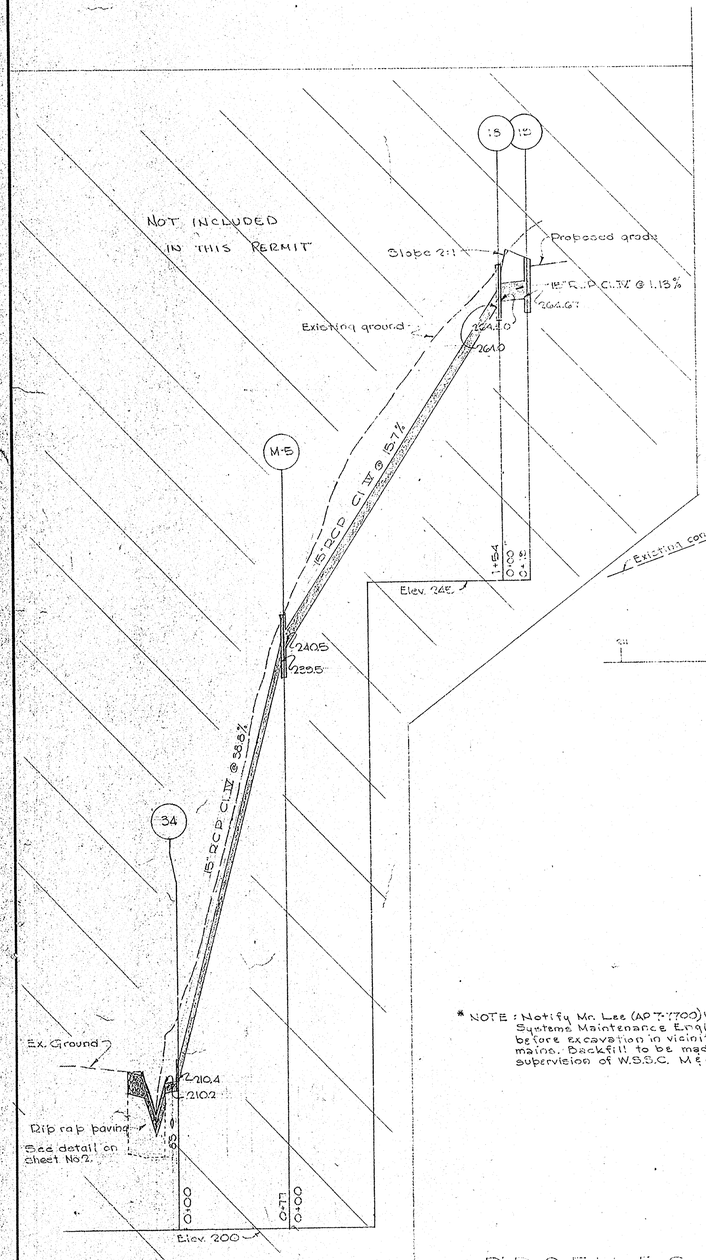
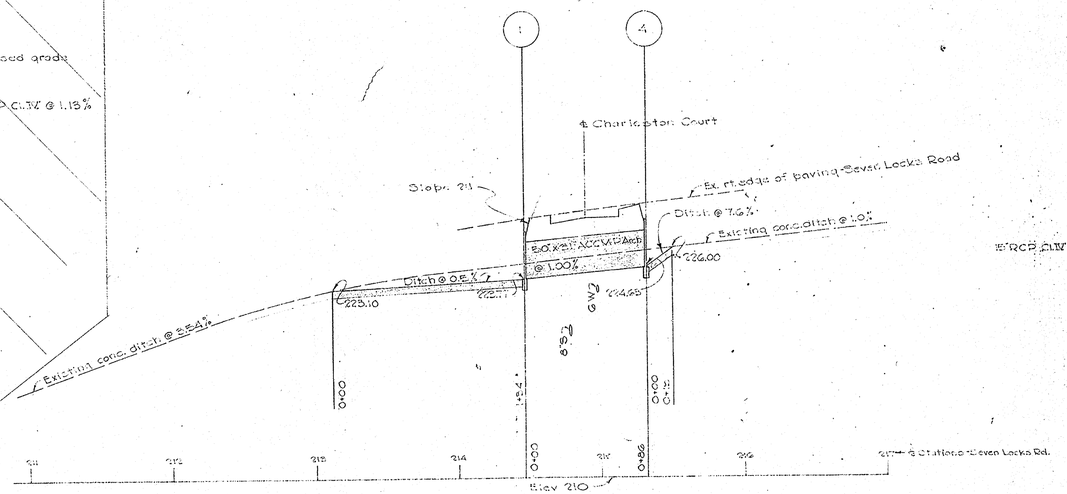
SENIOR DESIGNING ENGINEER



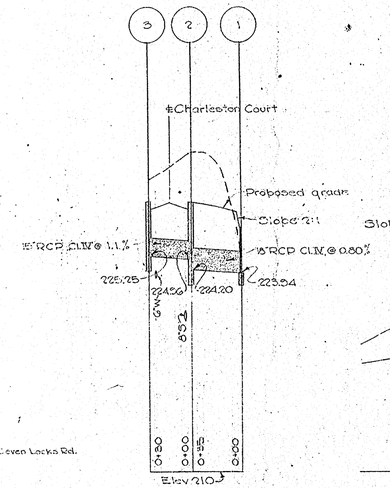
SEVEN LOCKS ROAD

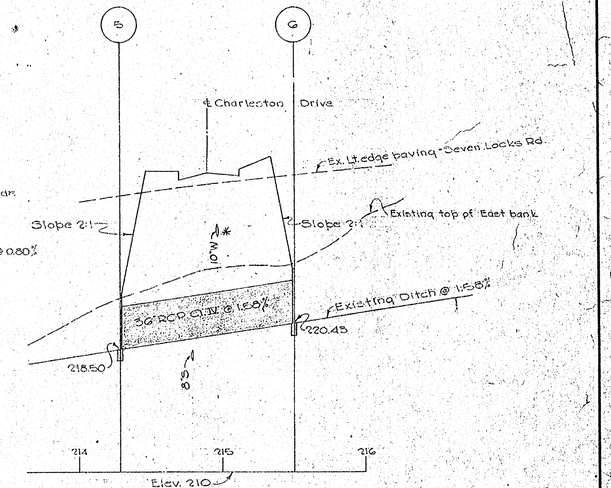
℄ Profile approved M.N.C.P.P.C. 5-8-62



SEVEN LOCKS ROAD

℄ Profile approved M.N.C.P.P.C. 5-8-62



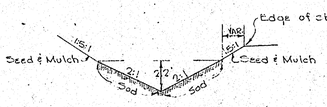


MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL

DATE _____ 19____

BY _____



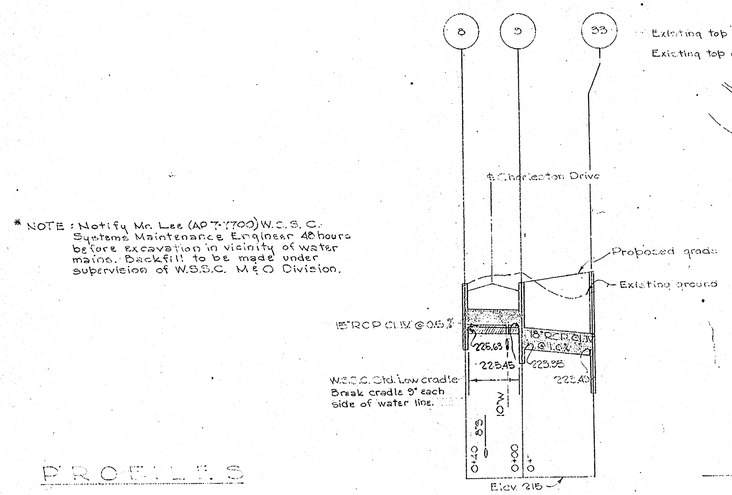
DITCH SECTION O-O
No scale
Existing ditch section at entrance and outlet to Pipe S-6.

PRELIMINARY STORM DRAIN PLAN

This plan is satisfactory as to storm drainage design subject to revisions necessary to coordinate with other utilities. The plan must be completed and submitted to W.S.S.C. for approval prior to construction of water and sewer plans are complete.

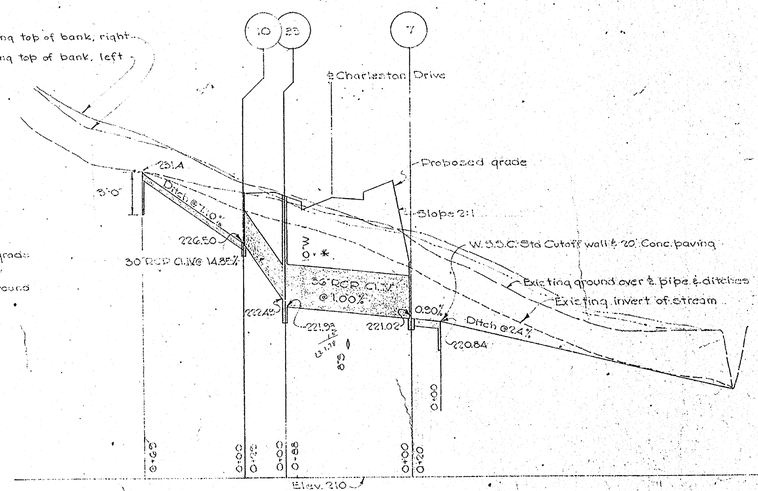
4/11/62 — Arthur D. Mast
Date — Senior Designing Engineer

P-2-33
Sheet No. 7 of 8



* NOTE: Notify Mr. Lee (AP 7-1700) W.S.S.C. Systems Maintenance Engineer 48 hours before excavation in vicinity of water mains. Backfill to be made under supervision of W.S.S.C. M&O Division.

W.S.S.C. Std. Low cradle. Break cradle 9" each side of water line.



PROFILES

Scales: Horizontal 1"=50'
Vertical 1"=5'

CE487-719-3

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
ASHLEIGH
MONTGOMERY COUNTY, MARYLAND

SHEPHERD, WORTHINGTON & PRESCOTT, INC.
CIVIL ENGINEERS - LAND SURVEYORS - LAND PLANNERS
8226 FENTON STREET, SILVER SPRING, MD.

SCALE As shown — DATE January 22, 1962

OWNER W.O. Cooley et. al
5501 Wisconsin Ave.
Washington, D.C.

SD FILE NO. 732

Maryland State Archives

SD# D 31,63017-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Feb 1, 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 THIS DRAINAGE STRUCTURES SHOWN HEREON.
Arthur A. Marx
CHIEF DESIGNING ENGINEER

Profile revision 16 to 15 approved 6/7/63 dfw

DETAIL-OUTLET DITCH FROM STRUCTURE #20

PLAN
Scale 1"=10'

SECTION B-B
Scale 1"=10'

SECTION A-A
Scale 1"=10'

CHARLESTON DRIVE

℄ Profile approved M.N.C.P.&P.C. 12-29-61

CARTER ROAD

℄ Profile approved M.N.C.P.&P.C. 12-29-61

SAVANNAH COURT

℄ Profile approved M.N.C.P.&P.C. 1962

SAVANNAH DRIVE

℄ Profile approved M.N.C.P.&P.C. 1962

PROFILES
Horizontal 1"=50'
Vertical 1"=10'

NOT INCLUDED IN THIS PERMIT

PRELIMINARY STORM DRAIN PLAN
This plan is not to be used as a storm drain permit. Permission to connect to storm drains will be given only after the final plan has been completed and submitted to W.S.S.C. for approval prior to construction. Prior water and sewer plans must be approved.
4/11/62 Arthur A. Marx
Date Chief Designing Engineer

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE 7-7-62
BY Joseph Gage

#! Structures 1-27, 5-16, 7-10, 17-21, 5-32 = Subject to Final Approval of W.S.S.C. & M.C.D.P.W.

* NOTE: Notify Mr. Lee (AP7-1700) W.S.S.C. Systems Maintenance Engineer 48 hours before excavation in vicinity of water mains. Backfill to be made under supervision of W.S.S.C. or M.C.D.P.W. Division.

CE487-719-4

P-2-33

Revisions: 1. M-2, 13, 14 grades changed 12-21-62. Sheet No. 2 of 8

STORM DRAIN & PAVING PLAN
VARIOUS STREETS
ASHLEIGH
MONTGOMERY COUNTY, MARYLAND

SHEPHERD, WORTHINGTON & PRESCOTT, INC.
CIVIL ENGINEERS - LAND SURVEYORS - LAND PLANNERS
8226 FENTON STREET, SILVER SPRING, MD. 732

SCALE — DATE
OWNER

SD FILE NO. 732