66152-Y

STRUCTURE SCHEDULE						
NO	TYPE		W	NOTCH EL	TOP EL	REMARKS
I-12	J	INLET		433.77		S.R.C. STD DETAIL WITH GRATE
I-13	"	"		430.23		" " " "
I-14	B-48	MANHOLE			429.71	STD W.S.S.C. DETAIL WITH 4'-0" DIA. STEEL IN 4" SLAB TO BE AS IN STD. D-MANHOLE
I-15	J	INLET		429.63		S.R.C. STD. DETAIL WITH GRATE
M-1	B-48	MANHOLE			429.39	STD W.S.S.C. DETAIL WITH 4'-0" DIA. STEEL IN 4" SLAB TO BE AS IN STD. D-INLET FRAME & COVER
E-9	F	END WALL				S.R.C. STD. DETAIL
W-1	"	"				" " "
W-2	"	"				" " "
I-16	B-48	MANHOLE			408.00	STD W.S.S.C. DETAIL WITH 4'-0" DIA. STEEL IN 4" SLAB TO BE AS IN STD. D-MANHOLE
I-16A	B-48	"			420.10	W.S.S.C. STD. DETAIL
I-17	J	INLET		409.06		S.R.C. DETAIL WITH GRATE

PIPE SCHEDULE			
Dia.	LINE	LENGHT	TYPE
15"	I-15 TO M-1	60'	RCP CL V
21"	"	456'	" "
21"	M-1 TO I-16A	318'	RCP CL IV
24"	I-14 TO M-1	49'	RCP CL V
33"	I-16 TO M-1	128'	" "
29"x18"	W-2 TO W-1	168'	H.E.R.T. GAGE 14

BM #2 El. 432.91
R.R. spike in 16" Cherry

E-9 to I-12: 12" RCP CL V @ 0.5%, 48.0'; 12" ditch @ 10%, V=6.0', A=0.9 sq ft; ditch @ 39.40%, V=8.0', A=0.9 sq ft; 8'6"W; 12"x8" RCP CL V @ 0.5%, 42.5'; 8'6"W; 42.5; 43.5

FLOWER VALLEY DRIVE
FLOWER VALLEY COURT
PUBLIC WORKS APPROVED PROFILE NO. 8722-6-8-65

W-1 to W-2: 4'-0" R.C.P. @ 0.5%, 45.0'; existing ground; temporary 18"x29" C.M.P. ARCH @ 0.59%; 18"W; ditch @ 10%, V=6.0', A=0.9 sq ft; 45.0'; 45.15; 45.25; 45.5; 44.5

SUNFLOWER DRIVE
WESTBURY ROAD
FLOWER VALLEY DRIVE
FLOWER VALLEY COURT
FLOWER ROAD
NORBECK ROAD
ROCKVILLE ROAD

M-1 to I-14 to I-13: 24" RCP CL V @ 1.42%; 21" RCP CL V @ 1.91%; 6'W; 42.75; 42.66; 42.62; 42.55; 0.60; 1.00; 0.50; 8'8"; 8'8"; 4.20

SD # D-39, 66152-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED July 25, 1966
FOR STORM DRAINS ONLY

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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.

Hugh A. Mark
SENIOR DESIGNING ENGINEER

RCH

* See letter dated 7-25-66 to Mont. Co. Dept. of Public Works.
*Subject to issuance of permit by Maryland State Department of Health

"ATTENTION IS DIRECTED TO THE NECESSITY OF OBTAINING APPROVAL AND PERMITS FROM THE STREET AND HIGHWAY AUTHORITY"

STATE OF MARYLAND — PAGE FILMORE HOPKINS — No 1585 — PROFESSIONAL ENGINEER & LAND SURVEYOR

GENERAL NOTES

FOR STORM DRAIN CONSTRUCTION

1. All storm drains shall be constructed in accordance with the latest Edition of the General Specifications of the W.S.S.C.
2. Types of structures refer to the Standard Storm Drainage Details of the W.S.S.C., unless otherwise noted.
3. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevations 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 drain construction shown on this plan to be maintained by MONTGOMERY COUNTY, MARYLAND
5. Storm drain construction W-1 & W-2 to be maintained by Maryland State Road Commission.

DTP #10-A El. 456.07
R.R. SPIKE IN 48 TRIPLE POP

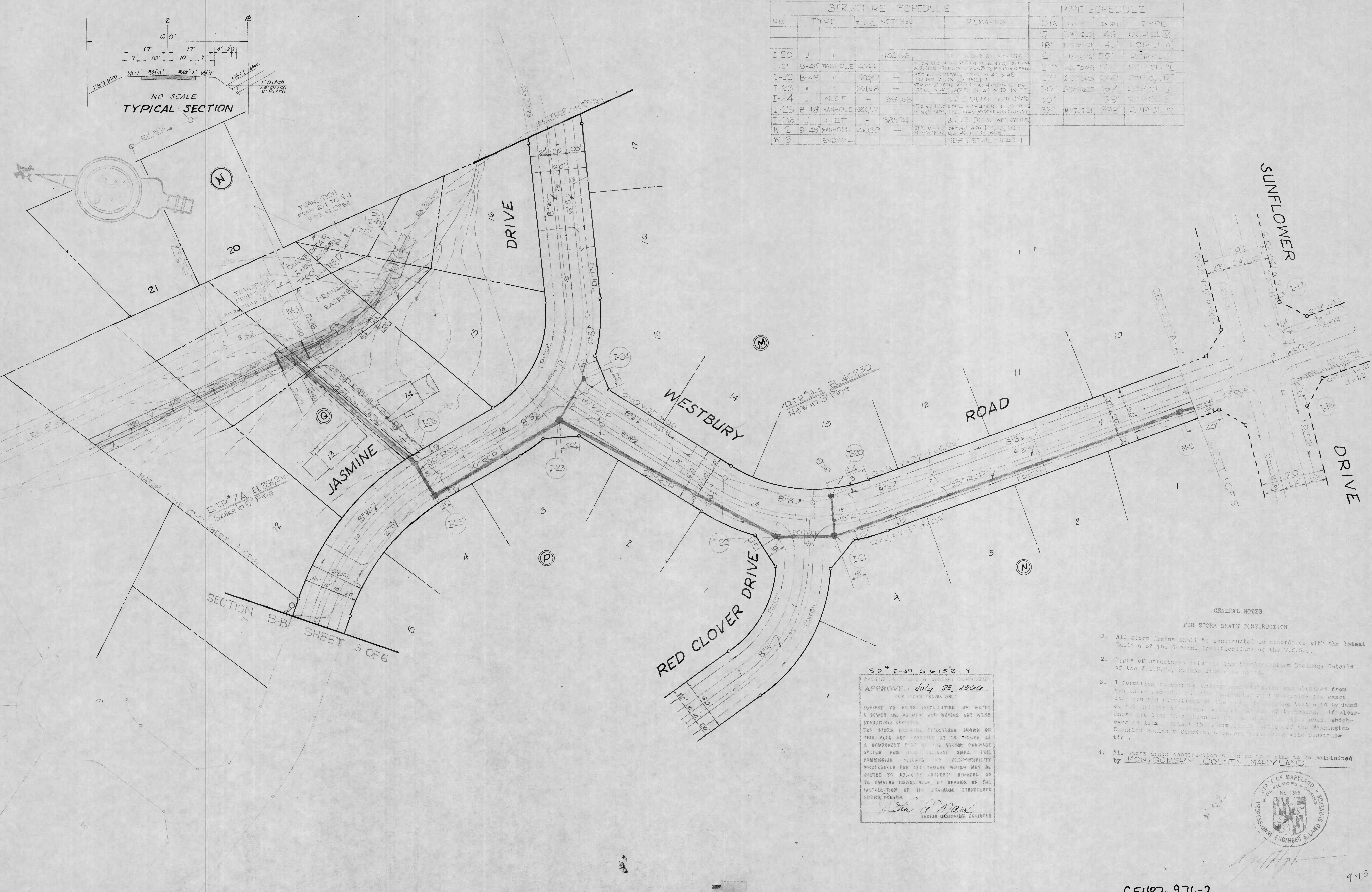
SIDES TO BE SODDED
NO SCALE

993

CE487-976-1

DRAWN TRACED CHECKED EXAMINED STARTED		ORDER NO. 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO. 2041 WILSON BOULEVARD ARLINGTON, VA	MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	STREETS: WESTBURY ROAD, FLOWER VALLEY DRIVE, FLOWER VALLEY COURT, SUNFLOWER DRIVE	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 1 OF	SCALE 1"=50'

SD FILE NO. 993



STRUCTURE SCHEDULE					
NO.	TYPE		TOP EL	NOTCH EL	REMARKS
I-20	J	"	—	402.66	S.R.C. DETAIL WITH GRATE
I-21	B-48"	MANHOLE	404.41	—	ST. D.W.S.S.C. DETAIL WITH 4" SLAB 4'x0.5' OPENING IN S. SIDE STEEL IN 4" SLAB TO BE AS IN D-INLET
I-22	B-48"	"	403.47	—	ST. D.W.S.S.C. DETAIL, STEEL IN 4" SLAB TO BE AS IN D-INLET
I-23	"	"	391.68	—	ST. D.W.S.S.C. DETAIL WITH 4" SLAB 4'x0.5' IN S. SIDE STEEL IN 4" SLAB TO BE AS IN D-INLET
I-24	J	INLET	—	391.63	S.R.C. DETAIL WITH GRATE
I-25	B-48"	MANHOLE	386.57	—	ST. D.W.S.S.C. DETAIL WITH 4" SLAB 4'x0.5' OPENINGS IN N & S SIDES, STEEL IN 4" SLAB TO BE AS IN D-INLET
I-26	J	INLET	—	385.74	S.R.C. DETAIL WITH GRATE
M-2	B-48"	MANHOLE	410.39	—	ST. D.W.S.S.C. DETAIL WITH 4" SLAB, STEEL IN 4" SLAB TO BE AS IN D-INLET
W-3		ENDWALL			SEE DETAIL SHEET 1

PIPE SCHEDULE			
DIA.	LINE	LENGHT	TYPE
15"	I-24 TO I-23	49'	RCP CL.V
18"	I-20 TO I-21	43'	RCP CL.IV
21"	I-17 TO I-16	55'	RCP CL.V
27"	I-26 TO W-3	172'	RCP CL.III
27"	I-22 TO I-23	268'	RCP CL.IV
30"	I-23 TO I-25	157'	RCP CL.IV
30"		99'	RCP CL.V
33"	M-2 TO I-21	398'	RCP CL.IV

SD# D-39 6615'2-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED July 25, 1966
FOR STORM DRAINS ONLY

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[signature]
SENIOR DESIGNING ENGINEER

GENERAL NOTES

FOR STORM DRAIN CONSTRUCTION

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4. All storm drain construction shown on this plan to be maintained by MONTGOMERY COUNTY, MARYLAND

STATE OF MARYLAND
PAGE FILMORE HOPKINS
No 1585
PROFESSIONAL ENGINEER & LAND SURVEYOR

993

CE487-976-2

DRAWN	ORDER NO 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO. 2041 WILSON BOULEVARD ARLINGTON, VA.	MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	STREETS: SUNFLOWER DRIVE JASMINE DRIVE RED CLOVER DRIVE WESTBURY ROAD	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 2	SCALE 1" = 50'
TRACED							
CHECKED							
EXAMINED							
STARTED							

SD FILE NO. 993

SD 1/137

STRUCTURE SCHEDULE							PIPE SCHEDULE			
NO.	TYPE		TOP EL	NOTCH EL	REMARKS		DIA	LINE	LENGHT	TYPE
D-1	J	INLET		373.6	S.S.C. STD. DETAIL WITH GRATE		15"		343'	RCP CL. IV
D-3	J	"		368.29	" " " " "					
D-4	CUT OFF WALL				W.S.S.C. STD. DETAIL					

NO SCALE
TYPICAL SECTON

NO SCALE
TYPICAL SECTION

TYPICAL FILL SECTION
NO SCALE

B.M.#6 EL. 351.76
R.R. Spike in 48" Poplar

PROPERTY OF W.R. WINSLOW

VELOCITY CHECKS SEE DETAIL THIS SHEET

TO BE SODDED

EXISTING GROUND

PROPOSED GROUND

15" RCP CL IV @ 3.20%

DITCH @ 6.81%

DITCH @ 2.5%

W.S.S.C. STD. CUT OFF WALL & CONCRETE PAVING

PT.P.#8-A EL. 384.32
Spike in 12" Poplar

TP#4 EL. 341.86
N&W IN 42" OAK 30'± N.W.
△65-A-181

JASMINE DRIVE

JASMINE COURT

EMORY LANE

SECTION B-E

SHEET 2 OF 6

50' D-39, 66152-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED July 25 1966
FOR STORM DRAINS ONLY

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SENIOR DESIGNING ENGINEER

SECTION A-A

VELOCITY CHECKS AT STA. 0+15 & 0+35
SCALE: 1/4" = 1'-0"

FRONT ELEVATION

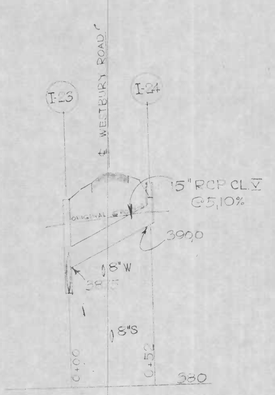
STATE OF MARYLAND — JOHN FILMORE HOPKINS — No. 1565 — PROFESSIONAL ENGINEER & LAND SURVEYOR

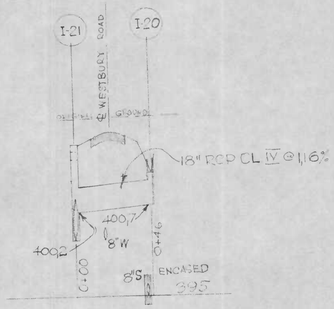
993

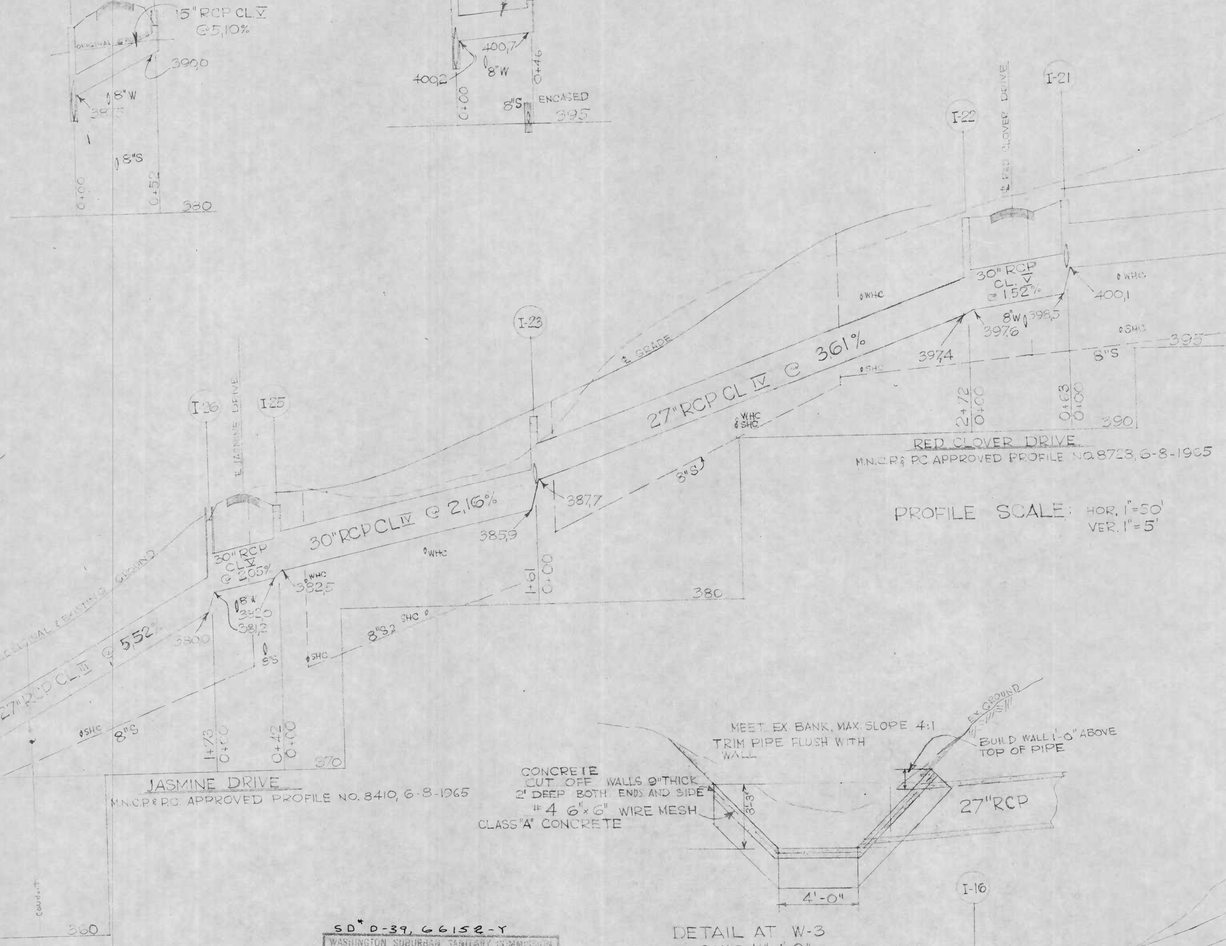
CE487-976-3

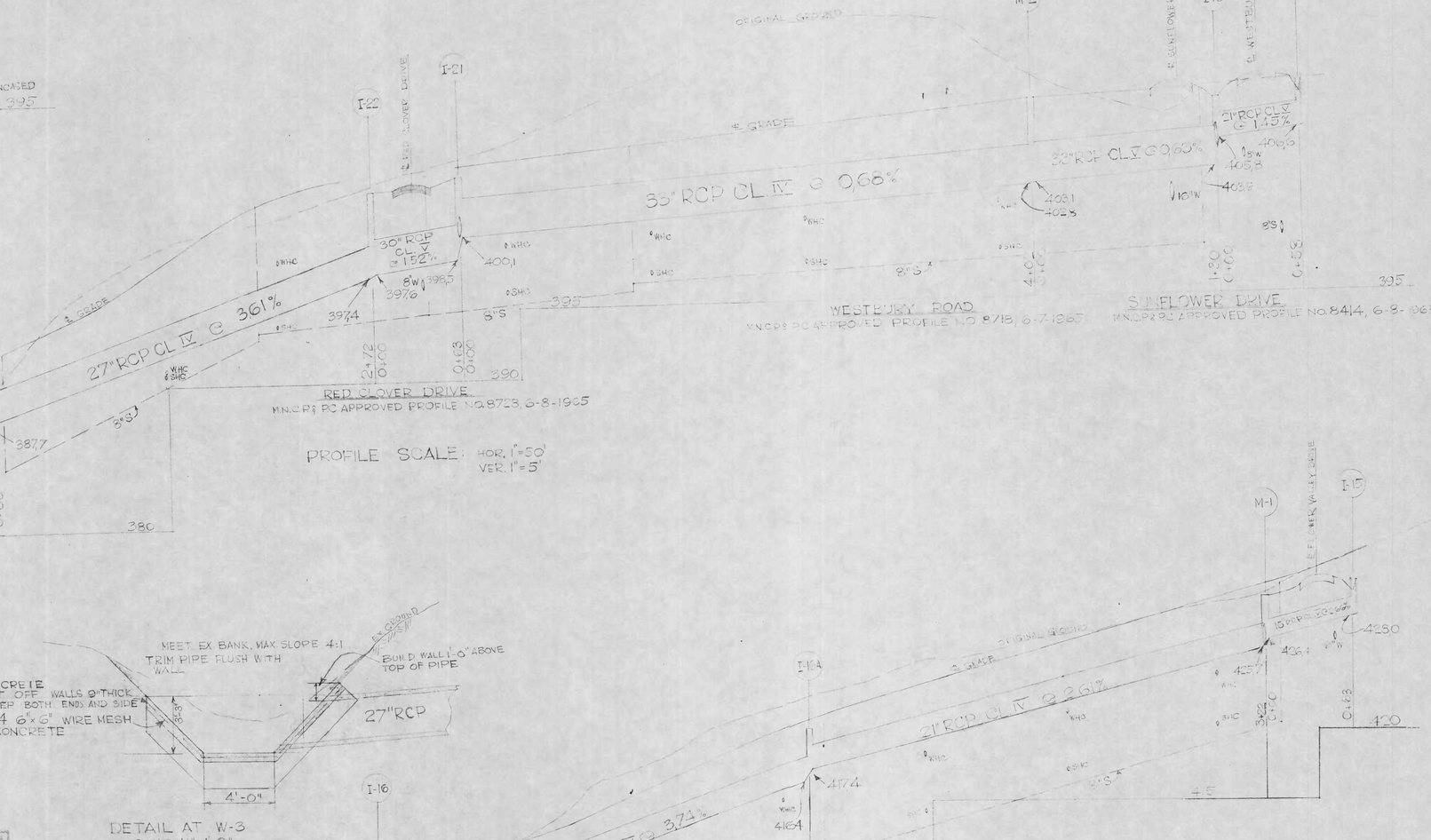
DRAWN TRACED CHECKED EXAMINED STARTED			ORDER NO: 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO. 2041 WILSON BOULEVARD ARLINGTON, VA.		MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	STREETS: EMORY LANE JESMINE COURT JESMINE DRIVE	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 3 OF 6 SCALE 1" = 50'

SD FILE NO. 993

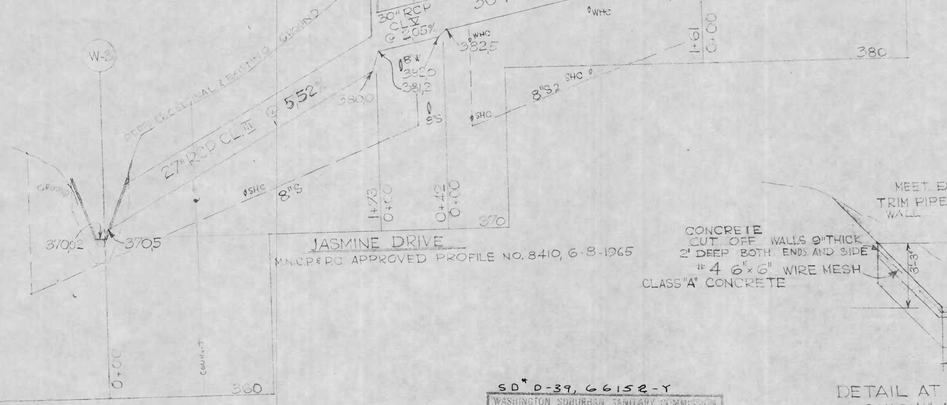




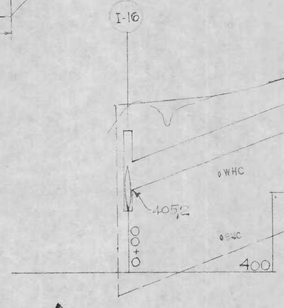




PROFILE SCALE: HOR. 1"=50'
VER. 1"=5'



DETAIL AT W-3
SCALE 1/4"=1'-0"



SD D-39, 66158-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED July 25, 1966
FOR STORM DRAINS ONLY

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Ina L. Mars
SENIOR DESIGNING ENGINEER

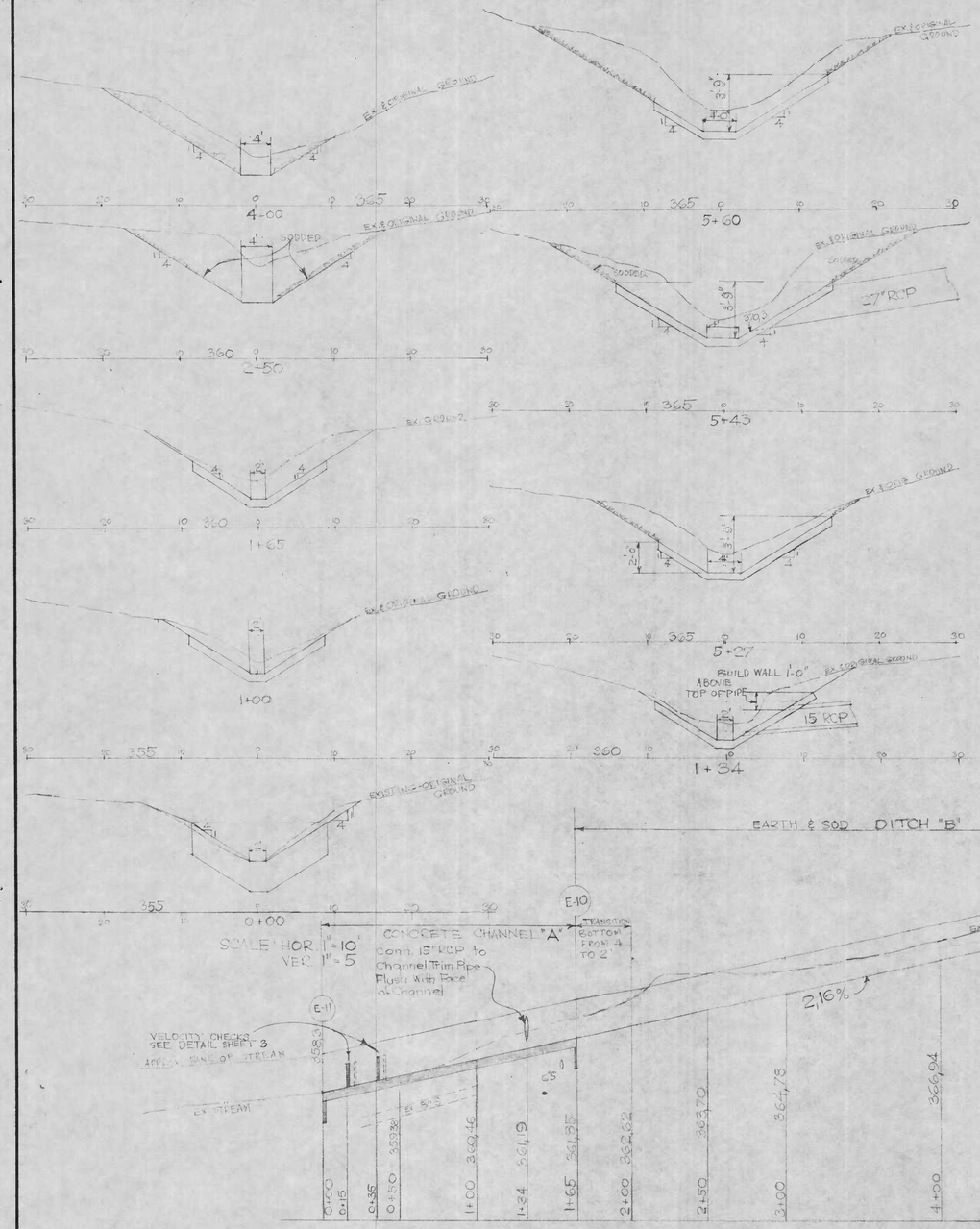
STATE OF MARYLAND
No. 1585
PAGE FILLMORE NORRIS
PROFESSIONAL ENGINEER & LAND SURVEYOR

993

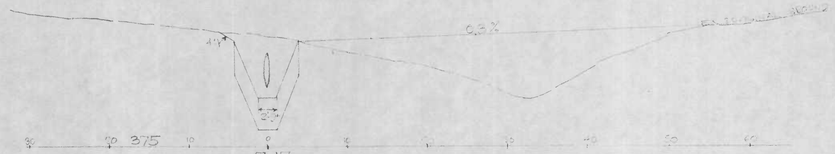
CE487-976-4

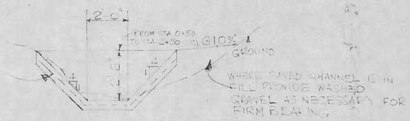
DRAWN TRACED CHECKED EXAMINED STARTED			ORDER NO 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO. 2041 WILSON BOULEVARD ARLINGTON, VA		MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	STREETS: WESTBURY ROAD SUNFLOWER DRIVE RED CLOVER DRIVE JASMINE DRIVE	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 1 OF 6	SCALE AS SHOWN

SD FILE NO. 993

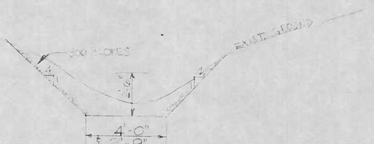


PROFILES
Scale: Hor. 1"=50'
Vert. 1"=5'

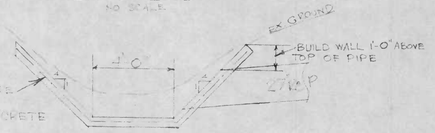




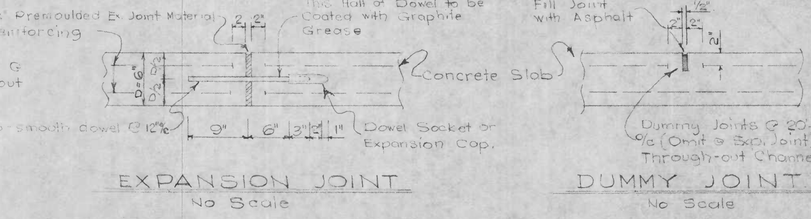
CHANNEL 'A'
NO SCALE



DITCH 'B'
NO SCALE

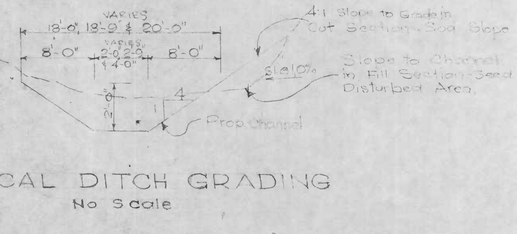


CHANNEL 'C'
NO SCALE



EXPANSION JOINT
No Scale

DUMMY JOINT
No Scale



TYPICAL DITCH GRADING
No Scale

SD# D-39, 66152-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED July 25, 1966
FOR STORM DRAINS ONLY

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Senior Designing Engineer

STATE OF MARYLAND
JAMES T. GIBSON
No. 5301

993

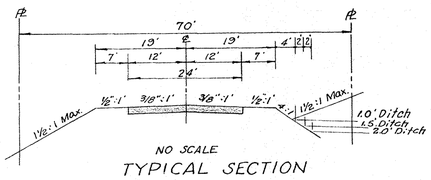
CE487-976-5

DRAWN TRACED CHECKED EXAMINED STARTED			ORDER NO. 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO. 2041 WILSON BOULEVARD ARLINGTON, VA	MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 5	SCALE AS SHOWN

SD 11739

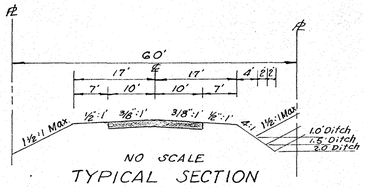
SD FILE NO. 993

Maryland State Archives



NO SCALE

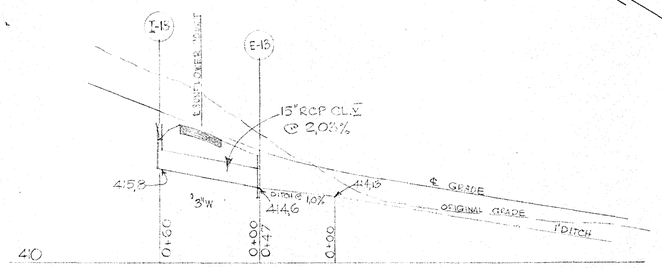
TYPICAL SECTION

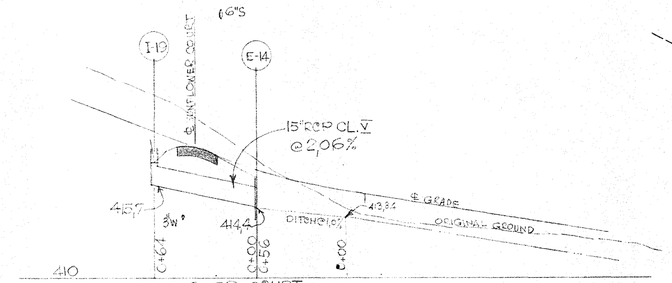


NO SCALE

TYPICAL SECTION

STRUCTURE SCHEDULE						PIPE SCHEDULE			
NO	TYPE		NOTCH EL	TOP EL.	REMARKS	DIA.	LINE	LENGHT	TYPE
I-18	J	INLET	417.58	—	S.R.C. STD DETAIL WITH GRATE				
I-19	"	"	417.16	—	" " " " "	15"		122'	RCP CL. V
E-13	F	ENDWALL			" " "				
E-14	"	"			" " "				



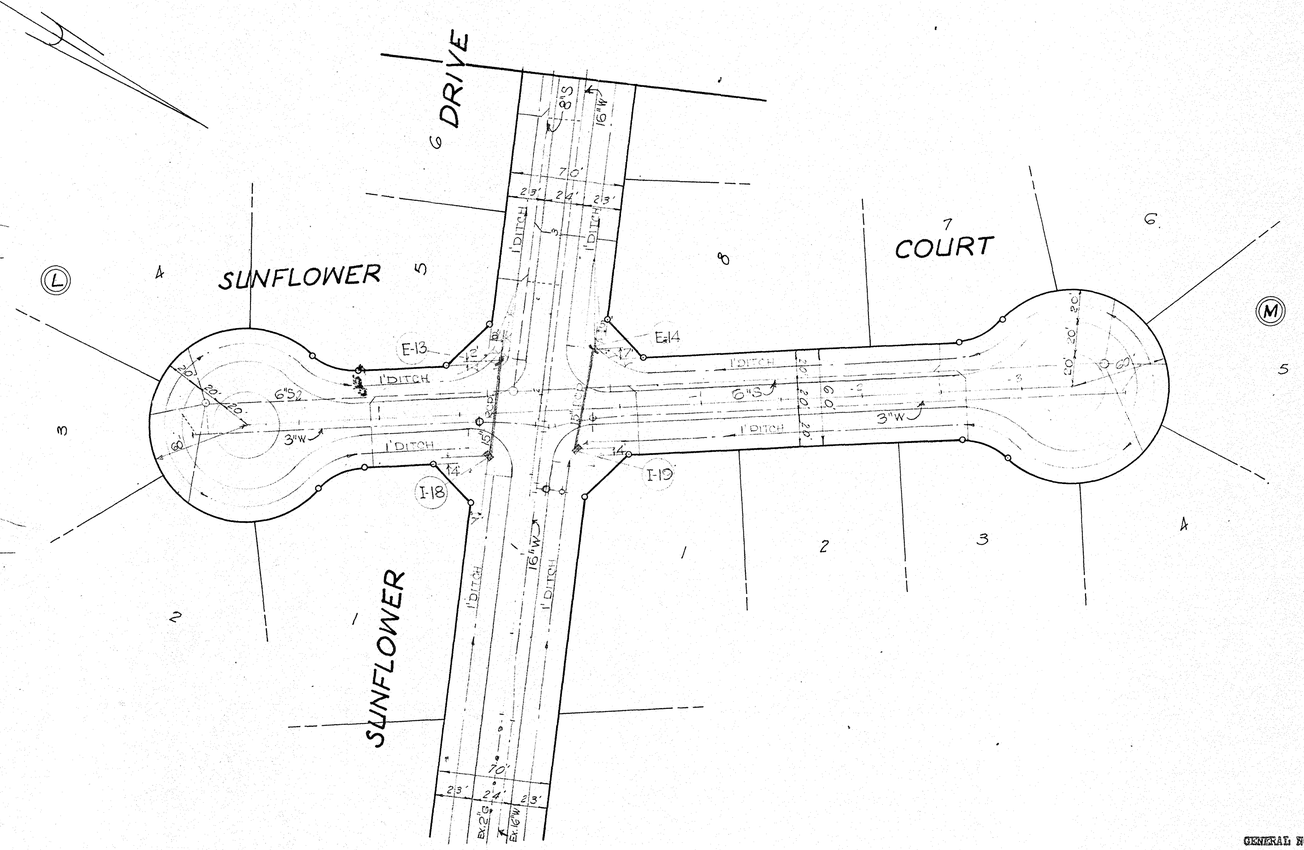


SUNFLOWER COURT

M.N.C.P.&P.C. APPROVED PROFILE NO. 8724. 6-8-1965

I-6'S

PROFILE SCALE: HOR. 1"=50'
VER. 1"=5'



SD # D-39, 66152-Y

WASHINGTON SUBURBAN SANITARY COMMISSION

APPROVED July 25, 1966

FOR STORM DRAINS ONLY

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John A. Marx

SENIOR DESIGNING ENGINEER

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4. All storm drain construction shown on this plan to be maintained by MONTGOMERY COUNTY, MARYLAND

STATE OF MARYLAND — PAGE FILMORE HOPKINS — No 1585 — PROFESSIONAL ENGINEER & LAND SURVEYOR

993

CE487-976-6

DRAWN TRACED CHECKED EXAMINED STARTED			ORDER NO: 65-935	DEVELOPER: CAVALIER CONSTRUCTION CO 2041 WILSON BOULEVARD ARLINGTON, VA.		MADDOX & HOPKINS CIVIL ENGINEERS & SURVEYORS SILVER SPRING, MARYLAND JU 8-3111	STREETS: SUNFLOWER COURT SUNFLOWER DRIVE	NORBECK DISTRICT STORM DRAIN PLAN FLOWER VALLEY III MONTGOMERY COUNTY, MARYLAND	SHEET NO. 5 OF	SCALE 1" = 50'

SD FILE NO. 993

SD 41724