S.D.#D-28, 62027-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 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.
Betty Sachs Et. Al.
LIBER 2706 FOLIO 299
James W. Barnsley
LIBER 250 FOLIO 19
Charles P Steelman
&
Mary R. Steelman
LIBER 1969 FOLIO 71
Ralph H. Retler
&
Anita M. Retler
LIBER 1501 FOLIO 179
Jesse F. Riley
&
Grace H. Riley
LIBER 2628 FOLIO 377
Edward F. Mayne
SUBDIVISION
BOOK 52 PLAT 5407
Lot 2
Lot 1
John W. & Ola G. Goodsight
LIBER 2534 FOLIO 89
Charles L. & June Osterman
LIBER 2534 FOLIO 101
Judson I. Mather & K.G. Mather
LIBER 2664 FOLIO 452
Wm. R. Whipp & Lillian Whipp
LIBER 1655 FOLIO 477
Jocelyn S. Stobbs
LIBER 2758 FOLIO 276
W. Brooke Johns
&
Hazel M. Johns
LIBER 398 FOLIO 20
EMORY
LANE
-N-
1 Story Frame
1½ Story Brick
1-Story Brick
Construct 125' Flex-Beam Guard Rail
Construct 150' Flex Beam Guard Rail
End of Macadam
Gravel Surface
Slope Easement
D = 8°
Δ = 33°15'30"
Δ/2 = 16°37'45"
R = 716.20'
T = 213.91'
C = 409.92'
A = 415.73'
Ext. = 31.26'
S.E. = .056':1'
D = 1°
Δ = 2°14'50"
Δ/2 = 1°07'25"
R = 5729.58'
T = 112.38'
C = 224.70'
A = 224.72
Ext. = 1.1'
S.E. = .0312:1'
22'-36"x22" ACCMPA W/prefabricated End Sections
FINAL APPROVAL
DATE Oct 22 62
Grade Only
7-2-62
7-6-62
APPROVED Oct. 23, 1962
7600
7-17-62
SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 6/14/62
LS#1364
Sight Distance based on Height of Eye of 4.5 ft.
Height of Object 4 inches.
LEGEND
Property Line 36' Rt.
Property Line 36' Lt.
Existing ℄
Proposed ℄ Grade
Inv. Ditch on Rt.
Inv. Ditch on Lt.
Transition
Full Superelevation = .056' per ft.
Full Superelevation = .0312 per ft.
300' V.C.
e = -1.45'
S.D. = 325'±
100' V.C.
e = 0.36
S.D. = 325'±
100' V.C.
e = +0.11'
S.D. = 550'±
290' V.C.
e = +2.00'
S.D. = 275'±
R = +1.250%
R = -1.592%
R = -2.471%
Temp. Grade
APPD. PROFILE # 7600
P.V.I. = 478.10
P.O.C. = 480.10
28+65 End Temp. Transition
25+41.09 Begin Temp. Transition End Permanent Work
F2-290
T-2-152
MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.
PLAN & PROFILE
EMORY LANE
GEORGIA AVENUE TO
MUNCASTER MILL ROAD
SCALE: 1" = 50' HOR. 1" = 5' VERT.
DATE:
APPROVED:
CHIEF, HIGHWAY ENG. DIV.
DEP. DIRECTOR DEPT. OF PUB. WKS.
PROJ. 1152
DWG. 3 of 10
651
PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO
CE487-640-1
SD FILE NO. 651

S.D. #D-28, 62027-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 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
Meyer G. Kushner Et. Al.
LIBER 2290 FOLIO 26
Joseph Jani & Clara W. Jani
LIBER 954 FOLIO 499
Charles S. Hartung & Jeanette R. Hartung
LIBER 1978 FOLIO 487
Betty Sachs Et. Al.
LIBER 2706 FOLIO 299
EMORY LANE
PEPCO #726245
PEPCO #725171
PEPCO #725170
PEPCO #725169
PEPCO #723168
PEPCO #740527
PEPCO #740526
PEPCO #725167
N54°35'40"E 409.90
S56°03'30"W 406.36
N15°53'10"W
922.55'
S56°03'30"W 900.00'
N55°47'40"E 1451.77
127.24'
126.82'
S54°35'40"W 290.08'
N55°07'10"E 475.95'
N3°04'20"E
N54°35'40"E 1164.83'
200.00'
N54°35'40"E 200.00'
150.00'
S52°31'40"E 366.25'
N35°24'20"W 350.00'
22'-15" ACCMP w/ Prefabricated End-sections.
22'-18"x11" ACCMPA w/ prefabricated End-sections.
22'-18"x11" ACCMPA w/ prefabricated End-Sections.
℄ Drwy. 47+72
Grade Drwy. 21' Docky ℄
9' Dirt Dr. ℄ 51+87
℄ Drwy. 54+08
Gravel Dr.
Q=3.46 c.f.s.
V=3.2 f.p.s.
D=0.79'
55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40
Lot 3
Lot 2
Lot 1
1 Story Frame
Quinco Corp.
LIBER 2626
FOLIO 413
A. L. Norris
LIBER 1325 FOLIO 132
Earl B. & K. A. Lucas
LIBER 2315 FOLIO 376
W. Brooke Johns & Hazel M. Johns
LIBER 398 FOLIO 20
BLOCK G SYCAMORE ACRES
PLAT BOOK 34 PLAT 2218
MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE Oct 22, 1962
BY H.M.K.
MARYLAND - NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED Oct. 23, 1962
FOR STREET GRADE ONLY
LAND PLANNING ENGINEER
M.N.C.P.&P.C. RECORD FILE NO. 7600
TENTATIVE APPROVAL | BY | DATE
MONTGOMERY COUNTY MARYLAND | 7-2-62
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only | 7-6-62
WASHINGTON SUBURBAN SANITARY COMMISSION
MARYLAND STATE ROADS COMMISSION
WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
7-17-62
SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 6/12/62
L.S.#2364
PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE
PROFILE
GRADES CHECKED
B. M.S. NOTED
STRUCTURE NOTAT'NS CH'KD
Sight Distance based on Height of Eye of 4.5 ft.
Height of Object 4 inches.
LEGEND
36' Rt. of ℄
36' Lt. of ℄
Existing ℄
Proposed ℄ Grade
Ind. Ditch on Rt.
Ind. Ditch on Lt.
150' V.C.
e = - 0.26'
S.D. = 600'±
150' V.C.
e = + 0.33'
S.D. = 250'±
150' V.C.
e = - 0.33'
S.D. = 450'±
300' V.C.
e = - 1.45'
S.D. = 325'±
R = - 3.554%
R = - 2.193%
R = - 3.937%
R = - 3.937%
R = - 2.154%
R = - 2.607%
R = + 1.250%
4.027%
3.45%
2.19%
3.86%
445 440 435 430 425 420
445 465
440 460
435 455
430 450
425 445
420 440
415 435
465 460 455 450 445
55+00 421.60
54+50 423.38
54+00 425.16
53+75 426.04
53+50 426.90
53+00
52+50 429.78
52+25 430.36
52+00 430.94
51+50
51+00 434.01
50+75 434.95
50+50 435.94
50+00 437.91
49+50 439.87
49+00 441.84
48+75 442.83
48+50 443.77
48+00
47+50 446.82
47+25 447.40
47+00 447.93
46+50 449.01
46+00 450.09
45+50 451.17
45+00 452.24
44+50 453.32
44+00 454.63
43+50 455.93
43+00 457.23
42+50 458.54
42+00 459.84
41+50 460.98
41+00 461.81
40+50
40+00 462.49
P.V.T.
P.V.I. = 428.71
P.O.C. = 428.45
P.C.C.V.C.
P.V.I. = 432.00
P.O.C. = 432.33
P.V.C.
P.V.T.
P.V.I. = 445.78
P.O.C. = 445.45
P.V.C.
P.V.T.
P.V.I. = 463.75
P.O.C. = 462.30
Grade Brook
Ditch Inv. only = 417.60
15" ACCMP @ 3.45%
Ditch Inv. = 424.50
18"x11" ACCMPA @ 4.027%
Natural Ditch Inv. = 430.54
Natural Ditch Inv. = 442.56
18"x11" ACCMPA @ 2.19%
Natural Ditch Inv. = 445.61
F 2-290
T-2-152
DES.
CHK.
DR.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT
NUMBER
REVISION
DATE
MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.
PLAN & PROFILE
EMORY LANE
GEORGIA AVENUE TO
MUNCASTER MILL ROAD
SCALE: 1" = 50' HOR. 1" = 5' VERT.
DATE:
APPROVED:
CHIEF, HIGHWAY ENG. DIV.
DEP. DIRECTOR DEPT. OF PUB. WKS.
PROJ. 1152
FILE
DWG. 4 of 10
651
PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO
CE487-640-2
SD FILE NO. 651

S.D. #D-28, 62027-Y

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE Oct 22, 1962
BY

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 1963
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WATER 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

MARYLAND - NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED Oct. 23, 1962
FOR STREET GRADE ONLY
AND PLANNING ENGINEER
M-NCPPC RECORD FILE NO. 7600

WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
7-17-62 E. Jolly

PLAN: SURVEYED, PLOTTED, NOTE BOOK, NO., ALIGNMENT CHECKED, RT. OF WAY CHECKED, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B. M.'s NOTED, STRUCTURE NOTATIONS GIVEN, NO., BY, DATE

EMORY LANE

James B. Welsh
LIBER 384 FOLIO 300
Cross-hatched area to be filled.

James B. Welsh
LIBER 218 FOLIO 66

Meyer G. Kushner Et. Al.
LIBER 2290 FOLIO 26

Owen H. & Eliza M. Fowler
LIBER 1857 FOLIO 387

Frank A. & O.E. Michels
LIBER 1354 FOLIO 571

Charles K. & I. Stroupe
LIBER 2010 FOLIO 404

Wm. B. & V. Kelly
LIBER 2659 FOLIO 239

F.A. & M.C. Oyhus
LIBER 1186 FOLIO 206

Quinco Corp.
LIBER 2626 FOLIO 413.

PINE TREE ROAD

Block E Sycamore Acres
Plat Book 34 Plat 2217

Block G Sycamore Acres
Plat Book 34 Plat 2218

DETAIL of RIP-RAP and CUT-OFF WALL @ W-9

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 6/14/62
S # 2364

Sight Distance based on Height of Eye of 4.5 Ft.
Height of Object 8 Inches.

LEGEND
36' Rt. of ℄
36' Lt. of ℄
Existing ℄
Proposed ℄ Grade
Ind. Varies on Rt.
Ind. Varies on Lt.

Full Superelevation = .045' per ft.

150' V.C.
e = 0.38'
S.D. = 425'

250' V.C.
e = ± 1.43'
S.D. = 400'

Transition

R = -1.0%
R = +1.009%
-3.54%
+3.45%

7-2-62
7-6-62
Grade Only

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

PLAN & PROFILE
EMORY LANE
GEORGIA AVENUE TO MUNCASTER MILL ROAD
SCALE: 1" = 50' HOR. 1" = 5' VERT.
DATE:
APPROVED:
CHIEF, HIGHWAY ENG. DIV. — DEP. DIRECTOR DEPT. OF PUB. WKS.

DES. CHK. DR. CODE REQ. STORM DRAINS RIGHT OF WAY UTILITIES CONTRACT

NUMBER | REVISION | DATE

PROJ. 1152 | FILE | DWG. 5 of 10

FY-290
T-2-152

651

PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

CE487-640-3

SD FILE NO. 651

S.D. #D-28, 62027-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 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.

[signature]
SENIOR DESIGNING ENGINEER

MARYLAND - NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED Oct. 23, 1962
DATE
FOR STREET GRADE ONLY
[signature]
M-N.C.P.&P.C. ENGINEERING DEPT.
M-N.C.P.&P.C. ENGINEERING FILE NO. 7600

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY		
Grade Only	JPZ	7-2-62
MARYLAND STATE ROADS COMMISSION		
Grade Only	JJB	7-6-62

WASHINGTON SUBURBAN SANITARY COMMISSION
NO PLUMBING, WATER OR SEWER
7-17-62 [signature]
ENGINEER

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE Oct 22, 62
BY [signature]

PLAN: SURVEYED, DATES, NOTE BOOK, NO., BY, DATE, ALIGNMENT CHECKED, RT. OF WAY CHECKED

Melissa E. Welsh Et. Al.
LIBER 2178 FOLIO 317

Ruth W. Hersberger
LIBER 2178 FOLIO 325

James B. Welsh
LIBER 218 FOLIO 66

EMORY LANE

Sta 89.39 ℄ Int Emory Lane = 0+18.10 Holly Ridge Rd

N 37°09'10"E 1339.82

8' Trail Rd

Grade Only, See Detail Sheet 2.

Drainage Easement

Ex. 12" CMP

Gravel Road

S 37°09'10" W

S 37°03'30" W 1302.90

Q = 4.4 C.F.S.
Vel. 3.5 F.P.S.
D = 1.0'

N 37°09'10" E

PT 0+20.10

PC 1+69.10
PEPCO 736609

PC = 0+84.59

PT 1+50

℄ Data
Δ = 139°37'40"
T2 = 69°48'50"
R = 27.5'
A = 65.41'
T = 32.86'
C = 65.25'

1+68.18

Curb Wall

Grade Only, 40 back 12'

Grade Only, See Detail Sheet 2.

Constr. 15" R.C.P. Storm Drain

Begin 15" Storm Drain

Elbow 90°

PEPCO #731870

PEPCO #731871

PEPCO #731872

PEPCO #731873

Holly 78.54'

22" Stone Retaining Wall

Wood Fence

Chain Link Fence

1 Story Masonry

2 Story Brick & Frame

2 Car Brick

HOLLY RIDGE ROAD

Lot 15 | Lot 16 | Lot 17 | Lot 3 | Lot 4 | Lot 5

Cecil D. Cooper
LIBER 1186 FOLIO 175

John J. & J.A. Flynn
LIBER 2661 FOLIO 505

Robert R. & E.N. Pratt
LIBER 1942 FOLIO 360

O. Willard & M.F. Holloway
LIBER 1186 FOLIO 189

Stephen M. & D.M. Forbes
LIBER 1596 FOLIO 83

Wm. B. & V. Kelly
LIBER 2659 FOLIO 239

Block D Sycamore Acres
Plat Book 34 Plat 2217

Block E Sycamore Acres
Plat Book 34 Plat 2217

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 6/14/62 [signature]
L.S. # 2241

Sight Distance based on height of Eye of 4.5 Ft.
Height of Object 4 inches.

LEGEND
36' Rt. of ℄
36' Lt. of ℄
Existing ℄
Proposed ℄ Grade
Top of Bank
Top of Wall

360' V.C.
e = 6.18'
S.D. = 300'

200' V.C.
e = 1.38
S.D. = 215'

R = -4.20 %

R = +4.53 %

R = -1.0 %

PVT 1+08.82

PVT 2+82.00

PVT 4+72.10

PVT 5+25.77

PVT 6+03.00

PVT 7+25.00

PVT 8+76.00

PVT 9+44.00

PROFILE: SURVEYED, DATES, NOTE BOOK, NO., BY, DATE, ALIGNMENT CHECKED, B. M.= NOTED, STRUCTURE NO.=TAN'S CH'KD.

F2-290
A-2-152

DES. [signature]
CHK. [signature]
DR.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

PLAN & PROFILE
EMORY LANE
GEORGIA AVENUE TO
MUNCASTER MILL ROAD
SCALE: 1" = 50' HOR.
1" = 5' VERT.
DATE:
APPROVED:

CHIEF, HIGHWAY ENG. DIV. — DEP. DIRECTOR DEPT. OF PUB. WKS.

PROJ	FILE	DWG.
1152		6 of 10

NUMBER	REVISION	DATE

PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM 3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

CE487-640-4

SD FILE NO. 651

S.D. #D-28, 62027-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 1963
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W&S.CO STRUCTURES AFFECTED. IT IS UNDERSTOOD THAT 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. Mayo
SENIOR DESIGNING ENGINEER

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
FINAL APPROVAL
DATE Oct 22, 62
BY

* Subject to approval by SRC of Md.

APPROVED 11-21-62
FOR GRADE ONLY
DIST. ENG. STATE RDS COMM

MARYLAND - NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED Dec. 4, 1962
FOR GRADE ONLY
PARK AND PLANNING ENGINEER
M-NCP&PC RECORD PLAT NO. 7600

WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
7-17-62
DATE

	BY	DATE
MONTGOMERY COUNTY *		7/24/62
NATIONAL CAPITAL PARK AND PLANNING COMMISSION		7-C-62
Grade Only		
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

* Subject to S.R.C. Approval.

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED. NOTE BOOK ____ NO. ____ BY ____ DATE ____

George D. Murphy
LIBER 741 FOLIO 286

Edward W. & Lucile Fletcher
LIBER 632 FOLIO 405

Melissa E. Welsh Et. Al.
LIBER 2178 FOLIO 317

Campbell T. & Francis L. Smith
LIBER 1186 FOLIO 161

Jack & Jewell S. Baker
LIBER 1186 FOLIO 168

Cecil D. Cooper
LIBER 1186 FOLIO 175

BLOCK D SYCAMORE ACRES
PLAT BOOK 34 PLAT 2217

MUNCASTER MILL ROAD

EMORY LANE

LOT 11 | LOT 12 | LOT 13 | LOT 14 | LOT 15

Ex. 36" CMP
Ex. 12" CMP
Ex. 24" CMP
Ex. 12" C.I.P.
Ex. 12" Gas
5' Gravel Dr.
Gravel Road
Bluestone Dr.
Drainage Easement
Slope Easement
Spring Head 2' Dia.
Remove Ex. Twin 18" CMP
Construct Flex Beam Guard Rail
Construct Rock Riprap Outlet
Construct Rock Riprap Gutter
Ex. 18" Monocodom
Ex. 8" Water Line
Ex. 8" Sewer Line
PEPCO #79333
PEPCO #79332
PEPCO #720669
PEPCO #720668
PEPCO #721778
PEPCO #721780
PEPCO #731088
PEPCO #731089
90+14.50 ± ℄ Muncaster Mill Rd.
22'-18"x11" ACCMPA w/prefabricated End Sections
22'-22"x13" ACCMPA w/prefabricated End Sections

Sight Distance based on Height of Eye of 4.5 Ft.
Height of Object 4 inches.

LEGEND
36' Rt. of ℄
36' Lt. of ℄
Existing ℄
Proposed ℄ Grade
Ind. Item on Rt.
Ind. Item on Lt.

Grade from 84+65 to 90+14.50 is temporary tie in to existing Muncaster Mill Road.

PERMANENT GRADE TO 84+65

220' V.C. e = + 1.15' S.D. = 300'
270' V.C. e = - 1.25' SD = 325'
100' V.C. e = + 0.23 SD = 500'
R = - 2 %
R = + 4.10 %
R = + 1.78 %
R = - 2.47 %
R = - 4.20 %
Meet Existing Paving

PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.R.X. NOTED, STRUCTURE NOTATNS CK'KD. NOTE BOOK ____ NO. ____ BY ____ DATE ____

NUMBER	REVISION	DATE

DES. ____ CHK. ____ DR. ____ CODE REQ. ____ STORM DRAINS ____ RIGHT OF WAY ____ UTILITIES ____ CONTRACT ____

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

PLAN & PROFILE
EMORY LANE
GEORGIA AVENUE TO
MUNCASTER MILL ROAD
SCALE: 1" = 50' HOR. 1" = 5' VERT.
DATE:
APPROVED:
CHIEF, HIGH WAY ENG. DIV. DEP. DIRECTOR DEPT. OF PUB. WKS.

PROJ. 1152 | FILE | DWG 7 of 10

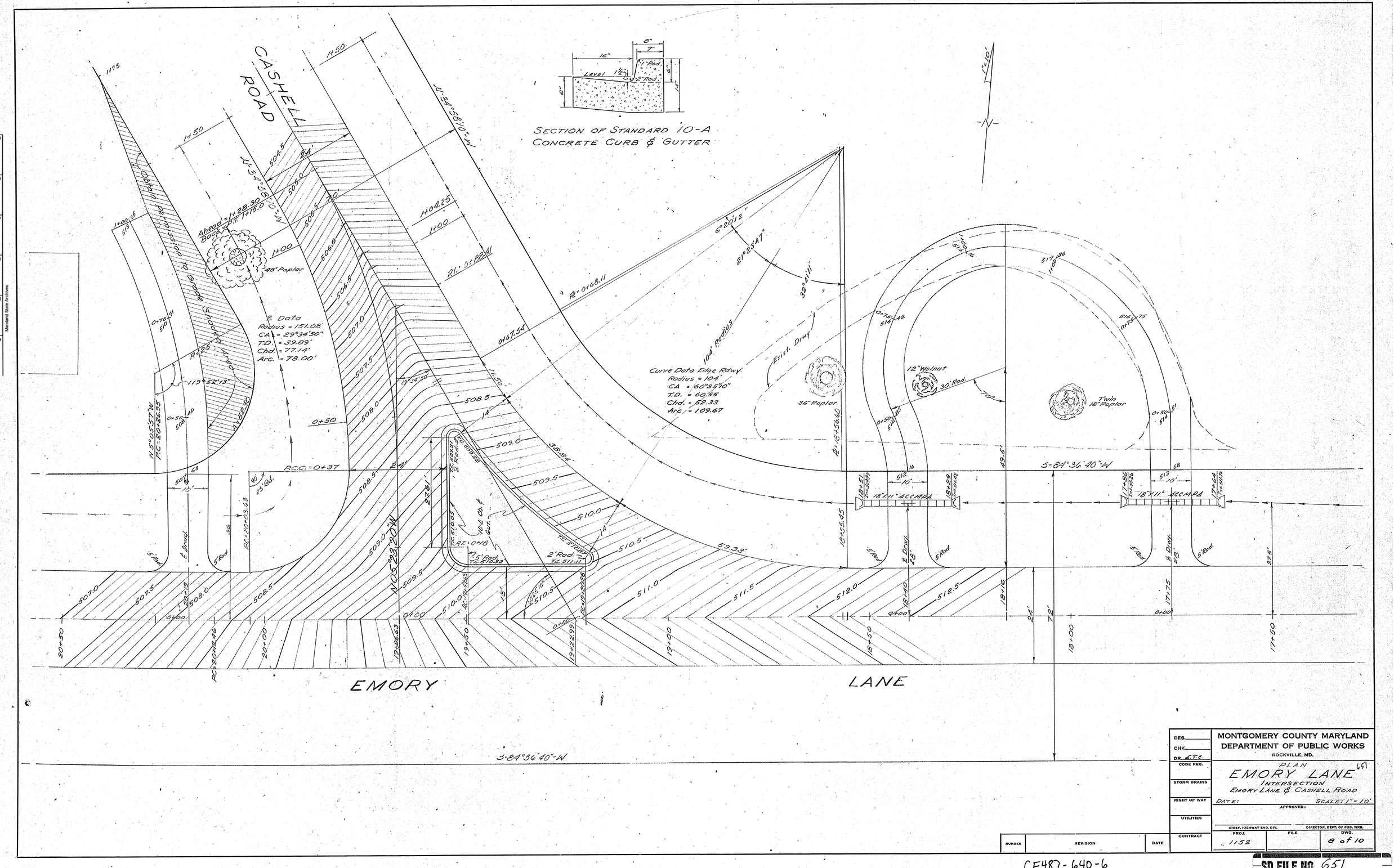
F2-290
T-2-152

651

CE487-640-5

SD FILE NO. 651

Maryland State Archives

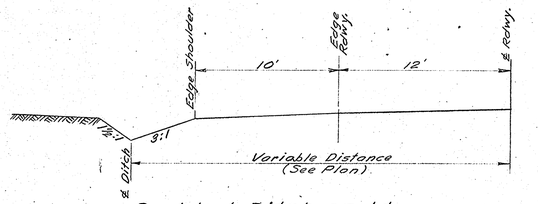


DES.	MONTGOMERY COUNTY MARYLAND	
CHK.	DEPARTMENT OF PUBLIC WORKS	
DR. E.T.E.	ROCKVILLE, MD.	
CODE REQ.	PLAN 651	
STORM DRAINS	EMORY LANE	
RIGHT OF WAY	INTERSECTION	
UTILITIES	EMORY LANE & CASHELL ROAD	
CONTRACT	DATE: SCALE: 1" = 10'	
	APPROVED:	
	CHIEF, HIGHWAY ENG. DIV. / DIRECTOR, DEPT. OF PUB. WKS.	
	PROJ. 1152 / FILE / DWG. 8 of 10	

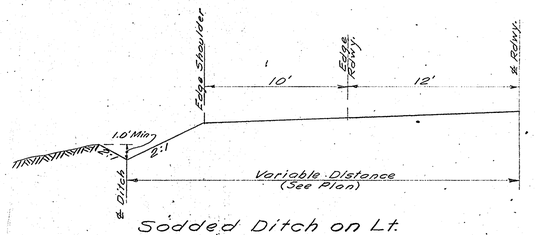
NUMBER	REVISION	DATE

CE487-640-6

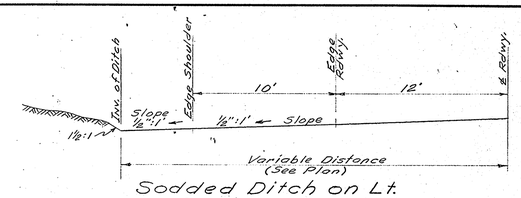
SD FILE NO. 651



Sodded Ditch on Lt.
26+30 to 30+00

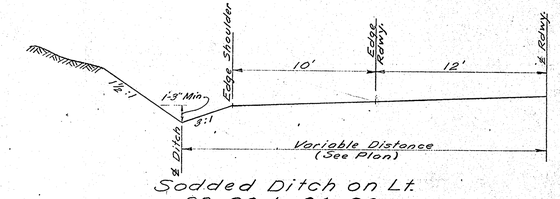


Sodded Ditch on Lt.
31+50 to 60+90

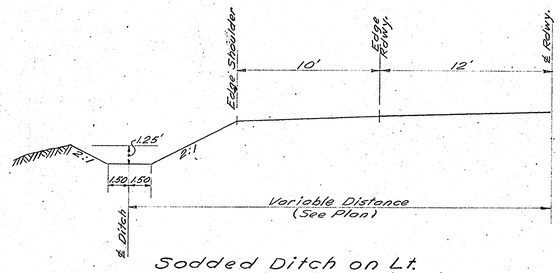


Sodded Ditch on Lt.
68+00 to 66+50

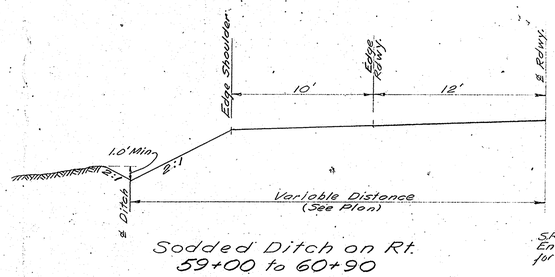
Sodded Ditch on Lt.
66+50 to W-10
Use Normal Section



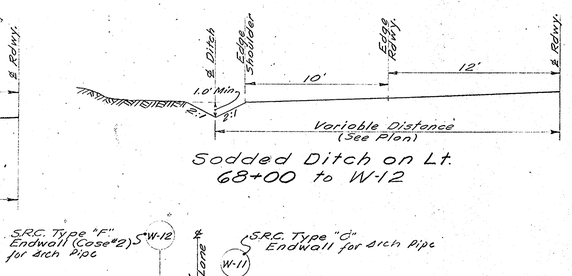
Sodded Ditch on Lt.
83+80 to 86+00



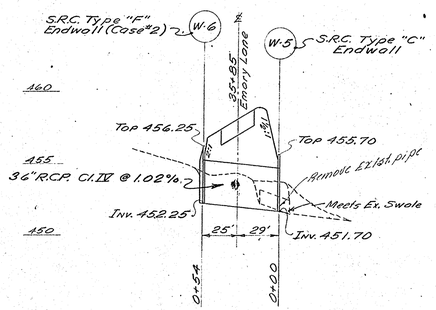
Sodded Ditch on Lt.
30+00 to 35+85 (W-6)



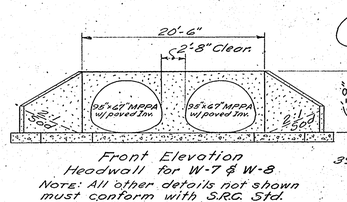
Sodded Ditch on Rt.
59+00 to 60+90



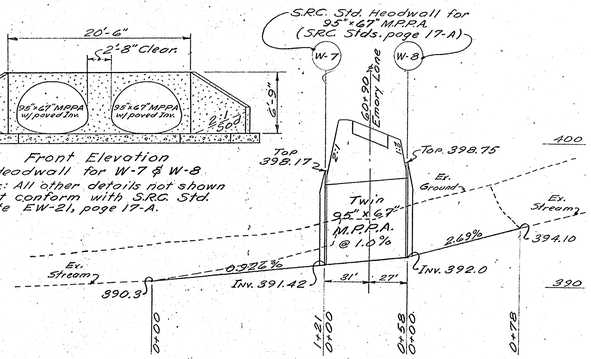
Sodded Ditch on Lt.
68+00 to W-12



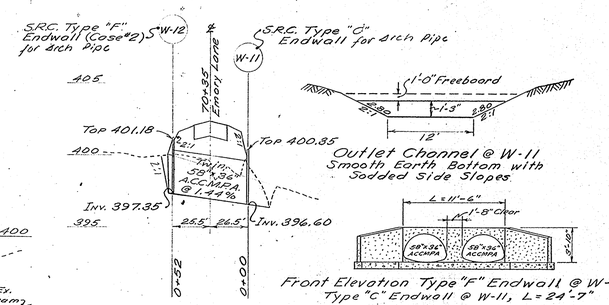
54'-36" R.C.P. Cl. IV @ 35+85



Front Elevation
Headwall for W-7 & W-8
Note: All other details not shown must conform with S.R.C. Std. Plate EW-21, page 17-A.



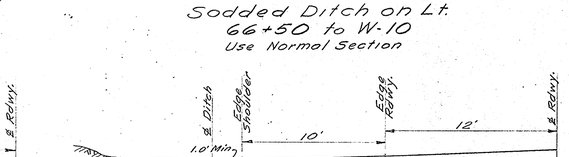
58'-Twin 95"x67" M.P.P.A. @ 60+90



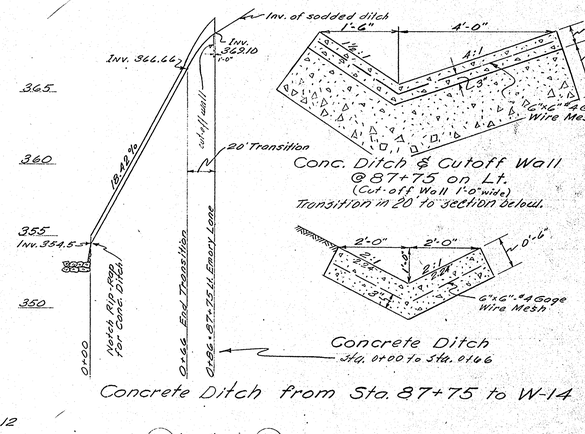
Front Elevation Type "F" Endwall @ W-12
Type "C" Endwall @ W-11, L = 24'-7"

52'-Twin 58"x36" A.C.C.M.P.A. @ 70+35

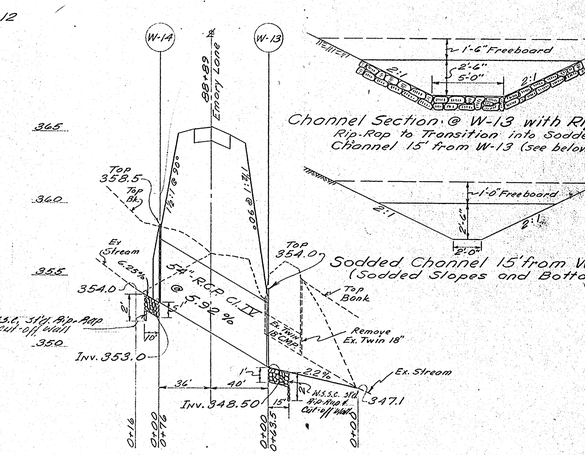
Sodded Ditch on Lt.
72+50 to 70+35 (W-11)



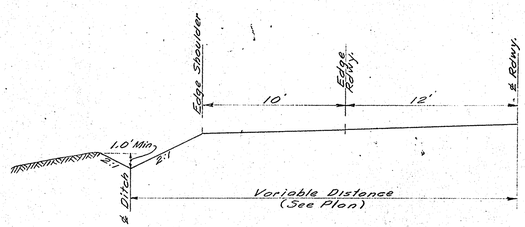
Sodded Ditch on Rt.
82+00 to 85+50



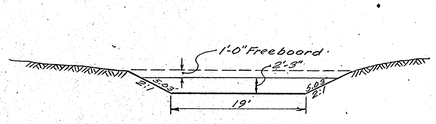
Concrete Ditch from Sta. 87+75 to W-14



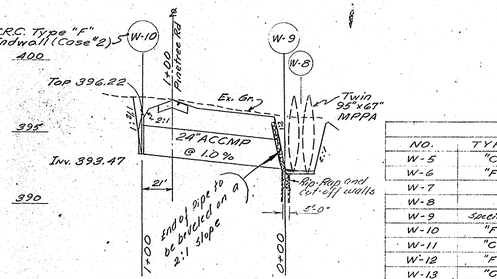
76'-54" R.C.P. Cl. IV @ 88+89



Sodded Ditch on Lt.
40+00 to 35+85



Outlet Channel @ W-7
Smooth earth bottom with sodded Side Slopes



100'-24" ACCMP
@ 1+00 Pinetree Rd.
for detail of Rip-Rap and Cut-off wall @ W-9, see Sht. 5 of 10.

S.D. #D-28, 62027-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 8, 1963
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS,SC 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

Sodded Ditch on Lt.
40+00 to 51+50
Use Normal Section

Sodded Ditch on Rt
40+00 to 59+00
Use Normal Section

Structure Schedule

NO.	TYPE	TOP ELEV.	REMARKS
W-5	"C"	455.70	S.R.C. Std. Endwall
W-6	"F"	456.25	S.R.C. Std. Endwall (Case #2)
W-7		398.17	Special Headwall to accomodate Twin 95"x67" MPPA. S.R.C. Stds. Page 17-A
W-8		398.75	Special Headwall to accomodate Twin 95"x67" MPPA. S.R.C. Stds. Page 17-A
W-9	Special		See detail, Sht. 5 of 10.
W-10	"F"	396.22	S.R.C. Std. Endwall (Case #2)
W-11	"C"	400.35	Special Endwall to accomodate Twin 58"x36" ACCMPA. S.R.C. Stds. Page 18-A, L = 24'-7"
W-12	"F"	401.18	Special Endwall to accomodate Twin 58"x36" ACCMPA S.R.C. Stds. Page 21-A
W-13	"C"	354.0	S.R.C. Std. Endwall
W-14	B-54	358.5	S.R.C. Std. Endwall

Pipe Schedule

TOTAL LENGTH	SIZE	TYPE	REMARKS
154 L.F.	18"x11"	ACCMPA	#16 Gage w/paved Invert & 14 Shop Fab. End Sections
44 L.F.	22"x18"	ACCMPA	#14 Gage w/paved Invert & 14 Shop Fab. End Sections
114 L.F.	15"	ACCMP	#16 Gage w/paved Invert & 10 Shop Fab. End Sections
100 L.F.	24"	ACCMP	#14 Gage
54 L.F.	36"	RCP Cl. III	
76 L.F.	54"	RCP Cl. III	
104 L.F.	58"x36"	ACCMPA	#12 Gage
116 L.F.	95"x67"	MPPA	#12 Gage
22 L.F.	36"x22"	ACCMPA	#16 Gage w/paved Invert & 2 Shop Fab. End Sections

DES.
CHK.
DR. E.T.G.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

STORM DRAINAGE DETAILS
EMORY LANE 651
GEORGIA AVENUE TO
MUNCASTER MILL ROAD

DATE:
APPROVED:
CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.

PROJ. 1152 | FILE | DWG. 10 of 10

NUMBER	REVISION	DATE

CE487-640-7

SD FILE NO. 651

Maryland State Archives

Brooke Manor Farms
PLAT BOOK 61
PLAT NO. 5158
LOT 1
Stanley G. Downes
LIBER 2432 FOLIO 485

Calvin S. Martin and Mary K. Martin
LIBER 1289
FOLIO 282

Hal D. & P.C. Harold
LIBER 2887
FOLIO 564

Patrick C. Jameson
LIBER 2972
FOLIO 456

Grace J. Leimbach
LIBER 2141 FOLIO 392

Allen D. & P. L. Brown

Oakdale Terrace
PLAT BOOK 64 PLAT NO. 5659

Alfred N. & B.D. Birmingham

Fred Burka and Marvin J. Goldman
LIBER 2696 FOLIO 267

W. Brooke Johns and Hazel M. Johns
LIBER 388 FOLIO 83

EMORY LANE

GEORGIA AVE.

1 Story Brick

½ Story Brick

Depress Drwy.

Remove Brick wall back to ℄, and replace end of wall.

Slope Easement in cut section

Construct Flex-Beam Guard Rail.

Constn. 25' Flex-Beam Guard Rail.

Cut new asphalt channel 55' from ℄

22'-18"x11" A.C.C.M.P.A. W/Paved Invert and Prefabricated End-Sections.

24'-22"x13" A.C.M.P.A. W/Paved Invert and Prefabricated End-Sections.

24'-17"x13" A.C.M.P.A. W/Paved Invert and Prefabricated End-Sections.

48'-25"x16" (A.C.M.P.A.)

PEPCO 944031

PEPCO 24255

PEPCO 24256

PEPCO 24257

PEPCO 24258

PEPCO 24259

PEPCO 24260

PEPCO 24261

PEPCO 24262

PEPCO 24263

PEPCO 24264

PEPCO 24265

PEPCO 24266

PEPCO 24267

PEPCO 24268

PEPCO 24269

PEPCO 24270

PEPCO 24271

PEPCO 24272

PEPCO 24273

PEPCO 24274

PEPCO

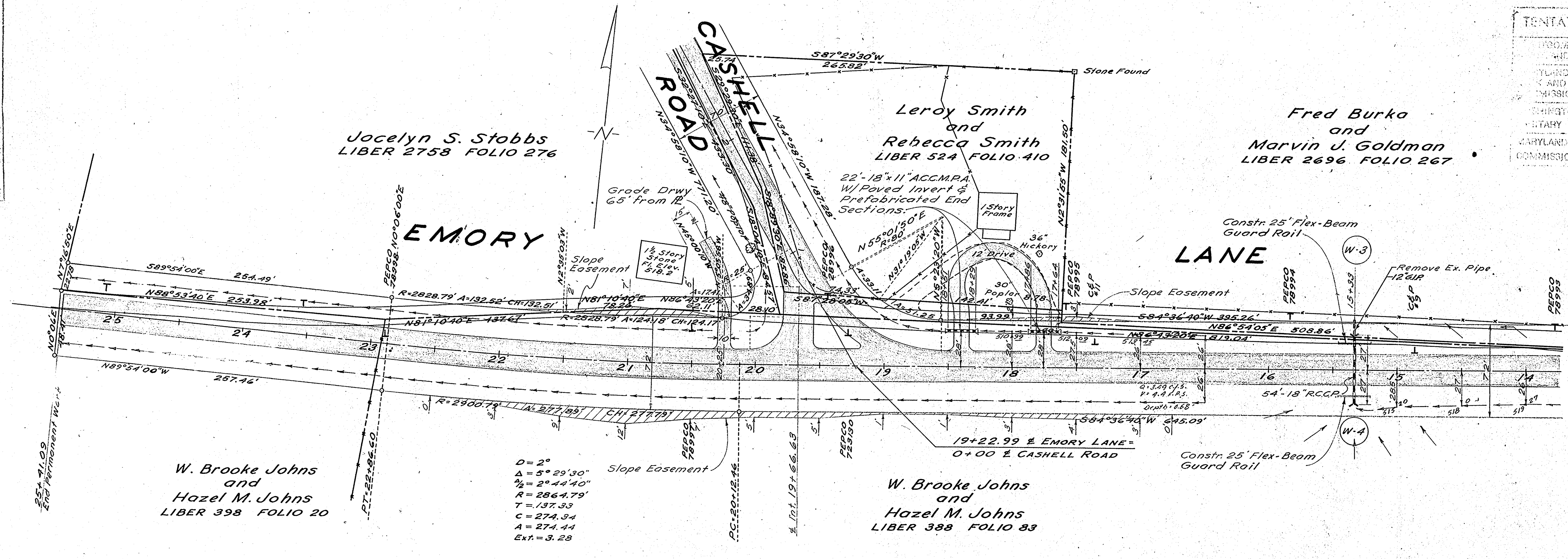
SD# D-27,62027-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED FEBRUARY 12, 1962
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. Mary
SENIOR DESIGNING ENGINEER

TENTATIVE APPROVAL	BY	DATE
[illegible]GOMERY COUNTY [illegible]	J.D.L.	11-17-61
[illegible]YLAND NATIONAL CAPITAL [illegible] AND PLANNING [illegible]MISSION Grade Only	J.J.K.	11-24-61
[illegible]SHINGTON SUBURBAN [illegible]ITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

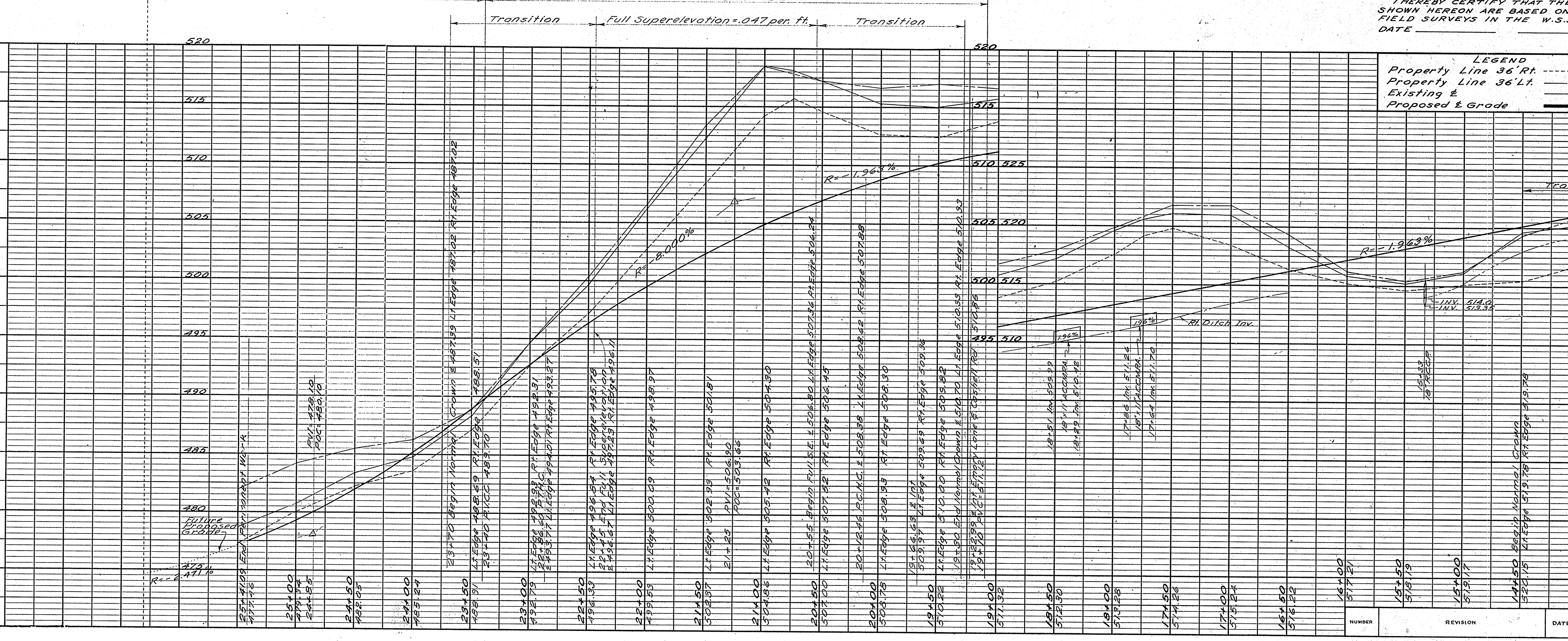
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE ______________ ______________

WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
12-8-61 E. J. [illegible]
DATE DESIGNING ENGINEER

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M.s. NOTED		
	STRUCTURE NOTAT'NS CH'KD.		



DES.	MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS ROCKVILLE, MD.		
CHK.			
DR. E.T.C.			
CODE REQ.	PLAN & PROFILE		
STORM DRAINS	EMORY LANE		
	GEORGIA AVE. TO APPROX. 925' WEST OF CASHELL RD.		
RIGHT OF WAY	DATE:	SCALE: 1" = 50' HOR. 1" = 5' VERT.	
UTILITIES	APPROVED:		
	CHIEF, HIGHWAY ENG. DIV.	DIRECTOR DEPT. OF PUB. WKS.	
CONTRACT	PROJ. 1152	FILE	DWG. 2 of 4

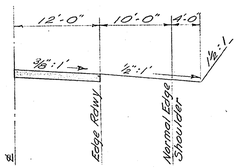
NUMBER	REVISION	DATE

651

PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

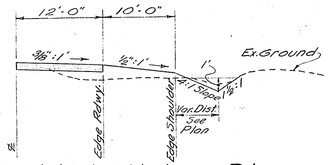
CE487-640-9

SD FILE NO. 651



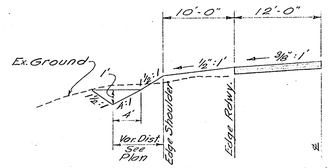
Section to allow water to flow across drwy.

Sodded Ditch on Rt.
9+00 to 7+50

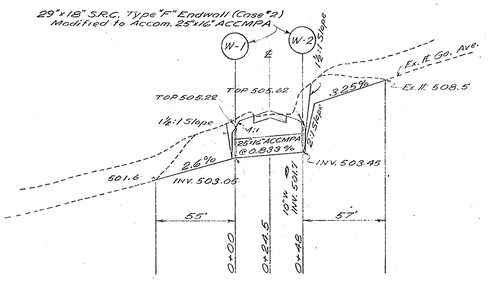


Sodded Ditch on Rt.
7+50 to 0+50

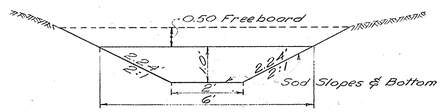
Sodded Ditch on Lt.
8+50 to 4+00
Use Normal Section



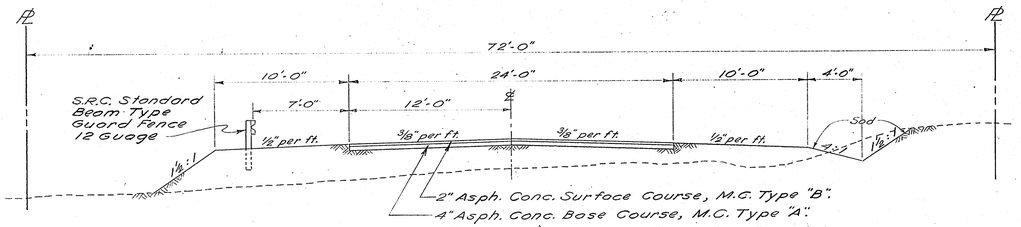
Sodded Ditch on Lt.
4+00 to 0+50



48'-25"x16" A.C.C.M.P.A. @ 0+50

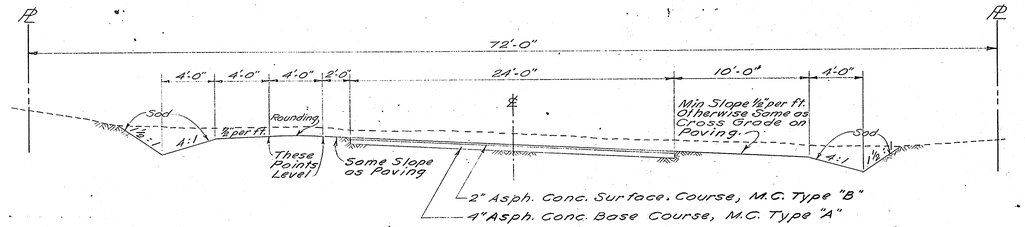


Sodded Outfall Channel @ 0+50



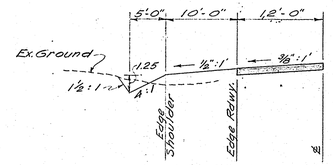
NOTE: Adjacent to Developed Property Sod All Unpaved Area.

CROSS-SECTION VIEW OF ROADWAY
NORMAL SECTION
SCALE: 3/16" = 1'-0"

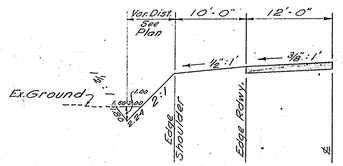


NOTE: Adjacent to Developed Property Sod All Unpaved Area.

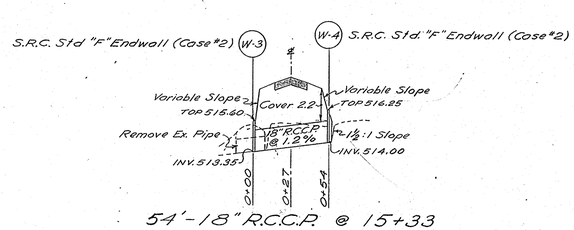
CROSS-SECTION VIEW OF ROADWAY
SUPERELEVATION SECTION
SCALE: 3/16" = 1'-0"



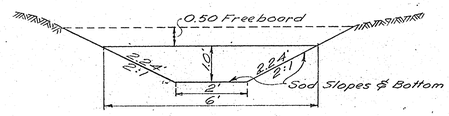
Sodded Ditch on Lt.
Section @ 14+50
Section to Contain Water



Sodded Ditch on Lt.
15+50 to 15+00
Section to Contain Water



54'-18" R.C.C.P. @ 15+33



Sodded Outfall Channel @ 15+33

Sodded Ditch on Lt.
15+33 to 25+00
Use Normal Section

PIPE SCHEDULE

TOTAL LENGTH	SIZE	TYPE	REMARKS
156 L.F.	18"x11"	A.C.C.M.P.A.	#16 GAGE W/PAVED INVERT & 14 SHOP FAB. END SECTIONS
24 L.F.	22"x13"	A.C.C.M.P.A.	#16 GAGE W/PAVED INVERT & 2 SHOP FAB. END SECTIONS
54 L.F.	18"	R.C.C.P.	
48 L.F.	25"x16"	A.C.C.M.P.A.	#16 GAGE W/PAVED INVERT

STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	REMARKS
W-1	"F"	505.22	29"x18" S.R.C. Type "F" Endwall (Case #2) Modified to Accomodate 25"x16" ACCMPA
W-2	"F"	505.62	29"x18" S.R.C. Type "F" Endwall (Case #2) Modified to Accomodate 25"x16" ACCMPA
W-3	"F"	515.60	S.R.C. ENDWALL (CASE #2)
W-4	"F"	516.25	S.R.C. ENDWALL (CASE #2)

SD # D-28, 62027-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED FEBRUARY 17, 1962
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS.SC 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.

Arthur A. Mark
SENIOR DESIGNING ENGINEER

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 of all utility crossings well in advance of trenching. If clearances are less than shown on 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 plans to be maintained by Montgomery County, Department of Public Works.

NUMBER	REVISION	DATE

DES.
CHK.
DR. E.T.C.
CODE REQ.
STORM DRAINS
RIGHT OF WAY
UTILITIES
CONTRACT

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

EMORY LANE 651
GEORGIA AVE. TO APPROX. 925± WEST OF CASHELL RD.

DATE: SCALE: AS SHOWN

APPROVED:
CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.

PROJ. 1152 FILE DWG. 3 of 4

CE487-640-10

SD FILE NO. 651

Maryland State Archives