THEODORE HOBART COHEN AND RUTH COHEN L2803 F216

ELSIE CHAPMAN AND ZELMAN SNOWDEN L1345 F295 OCTOBER 20, 1949

FRED BURKA & MARVIN J. GOLDMAN L2696 F267

ETHEL GARRISON L1633 F123 FEBRUARY 20, 1952

LEROY SMITH AND REBECCA SMITH L524 F410

ALVIN BERLIN & FLORENCE BERLIN L2761 F389

JOCELYN S. STOBBS L2758 F276

JOHN D. WHEATON & MARY H. WHEATON APRIL 18, 1952 L1656 F524

CASHELL ROAD

EMORY LANE

SURVEYORS CERTIFICATE

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

DATE: 3/6/62 — L.S. # 2364

TENTATIVE APPROVAL — Grade Only — BY JDR 11-17-61; BBB 11-24-61

WASHINGTON SUBURBAN SANITARY COMMISSION — APPROVED MARCH 8, 1962 FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING BY WSSC. STRICTURE IS 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 DRAINING ENGR.

LEGEND
Property Line 35' Rt. ----------
Property Line 35' Lt. ----------
Existing ———
Proposed & Grade ———

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

12-8-61

DES. J.A.M.	MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS ROCKVILLE, MD.	
CHK.	PLAN & PROFILE	
DR. E.T.C.	CASHELL ROAD	
CODE REQ.	EMORY LANE TO BOWIE MILL RD.	
STORM DRAINS	SCALE: 1" = 50' HOR. 1" = 5' VERT.	657
RIGHT OF WAY	DATE: APPROVED:	
UTILITIES	CHIEF, HIGHWAY ENG. DIV. DIRECTOR DEPT. OF PUB. WKS.	
CONTRACT	PROJ. 1153 FILE DWG. 1 of 12	

NUMBER	REVISION	DATE

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, NO. OF MH'S CHECKED, NOTE BOOK, NO. — BY — DATE

PROFILE: SURVEYED, PLOTTED, BENCHES CHECKED, NOTE BOOK, NO. — BY — DATE — STRUCTURE NOTATIONS CHKD.

SDD-78, G-2041Y

PLATE 1 — PLAN-PROFILE O. P. R. & R. E. STANDARD
2SL FM-3 ACEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

CE487-646-1

SD FILE NO. 657

PLAT No. 13 CHERRY VALLEY
SUBMITTED TO M.N.C.P. & P.C. FOR APPROVAL
SEPTEMBER 21, 1959
WITHDRAWN OCTOBER 15, 1959

See Ditch Section "C"

See Ditch Section "A"

Cherry Volley Country Club Inc.
LIBER 2889 FOLIO 692
Property Lines Indicated by Letter (P)

CASHELL ROAD

ESTEN MARSHALL WARREN
L 874 F 129
APRIL 9, 1942

THEODORE HOBART COHEN AND RUTH COHEN
L 2803 F 216

ALVIN BERLIN AND FLORENCE BERLIN
L 2761 F 389

ELEANOR K. KASKE
APRIL 27, 1957
L 2339 F 179
Kaske Property Lines Indicated by Letter (K)

LEROY SMITH
JULY 16, 1937
L 673 F 423

JOHN D. WHEATON & MARY H. WHEATON
APRIL 18, 1952
L 1656 F 524

Trav. Sta. G-12 to G-11
Az. 319°15'56"
Dist. 408.33

Trav. Sta. G-11 to 842
Az. 339°39'34"
Dist. 997.23

Trav. Sta. 842 to 843
Az. 310°55'32"
Dist. 606.21

See Outfall Ditch Section "B"

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/6/62 — L.S. #2264

LEGEND
Property Line 35' Rt. ----------
Property Line 35' Lt. — — — —
Existing ℄ ———
Proposed ℄ Grade ———

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

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 6, 1962
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C. STRUCTURE AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A CONNECTING LINE TO THE MAIN 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.
Paul C. Marx
SENIOR DRAINAGE ENGINEER

11-17-61
11-28-61
Grade Only

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

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

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

PROJ. 1153 | FILE | DWG. 2 of 12

SD FILE NO. 657

CE487-646-2

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

Maryland State Archives

Cherry Valley Bldg. Co. Inc.
LIBER 2679 FOLIO 347

Cherry Valley Country Club Inc.
LIBER 2889 FOLIO 692
Property Lines
Indicated by Letter (P)

CASHELL ROAD

See Ditch Section "D"

See Ditch Section "C"

See Ditch Section "E"

See Outfall Ditch Section "F"

DEPRESS DRWY.

PROVIDE CUT-OFF WALL SEE SHEET 10 OF 12

Trav. Sta. G-14 N 30,008.34 W 21,387.31

Trav. Sta. G-14 to G-13 AZ. 338° 05' 21" Dist. 504.93

Trav. Sta. G-13 N 29,540.12 W 21,703.39

Trav. Sta. G-12 N 28,669.93 W 21,251.61

PC = 22+98.42

PT = 27+83.41

AZ. 344°14'32" 310.60'

℄ Curve #1
D = 5°45'
Δ = 30°10'20"
½ = 15°05'10"
R = 996.45'
T = 268.60'
C = 518.69'
A = 524.74'
Ext. = 35.57'

℄ Curve #2
D = 7°
Δ = 21°19'20"
½ = 10°39'40"
R = 818.51'
T = 154.08'
C = 302.85'
A = 304.60'
Ext. = 14.38'

ELEANOR K. KASKE
APRIL 27, 1957
L 2339 F179
Kaske Property Lines
Indicated by Letter (K)

ELEANOR K. KASKE
APRIL 27, 1957
L 2339 F179

LEGEND
Property Line 35' Rt. ----------
Property Line 35' Lt. ——— ———
Existing ℄ ———————
Proposed ℄ Grade ———————

20' Right of Way for entrance to Ladson 5 Acre Parcel, Exception in Liber 2339 Folio 179.

Remove Existing Thrm. 12" Conc. Pipe

SCARIFY OLD ROAD, SEED & MULCH OVER FILL.

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY MARYLAND		11-17-61
MARYLAND NATIONAL CAPITAL PK AND PLANNING COMMISSION Grade Only		11-24-61
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/16/62 — L.S.# 2364

WASHINGTON SUBURBAN SANITARY COMMISSION
NO PLAN FOR WATER OR SEWER
12-8-61

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 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.
SENIOR DESIGNING ENGINEER

SD #D: 28, CATOCTIN

Transition | Full Superelevation 0.053 per ft. | Transition

Transition | Full Superelevation 0.048 per ft. | Transition

600' V.C. e = 6.29

110' V.C. e = 0.28

500' V.C. e = 2.78

400' V.C.

K = 8.900%

K = 4.456%

K = 2.100%

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

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

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

PROJ. 1153 | FILE | DWG. 8 of 12

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

CE487-646-3

SD FILE NO. 657

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

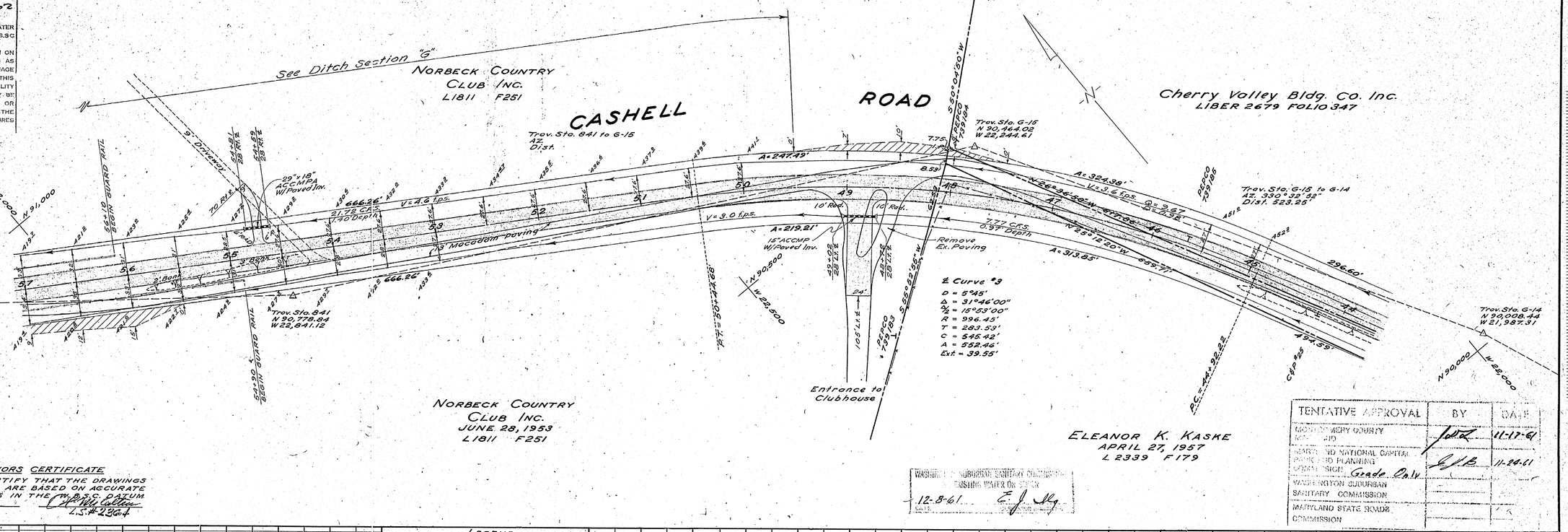
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B. M. NOTED, STRUCTURES (TOATING CK'ED), NOTE BOOK, NO., BY, DATE

SD#D-28; 62041 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 1962
FOR STORM DRAINS ONLY

SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAVMENT 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.

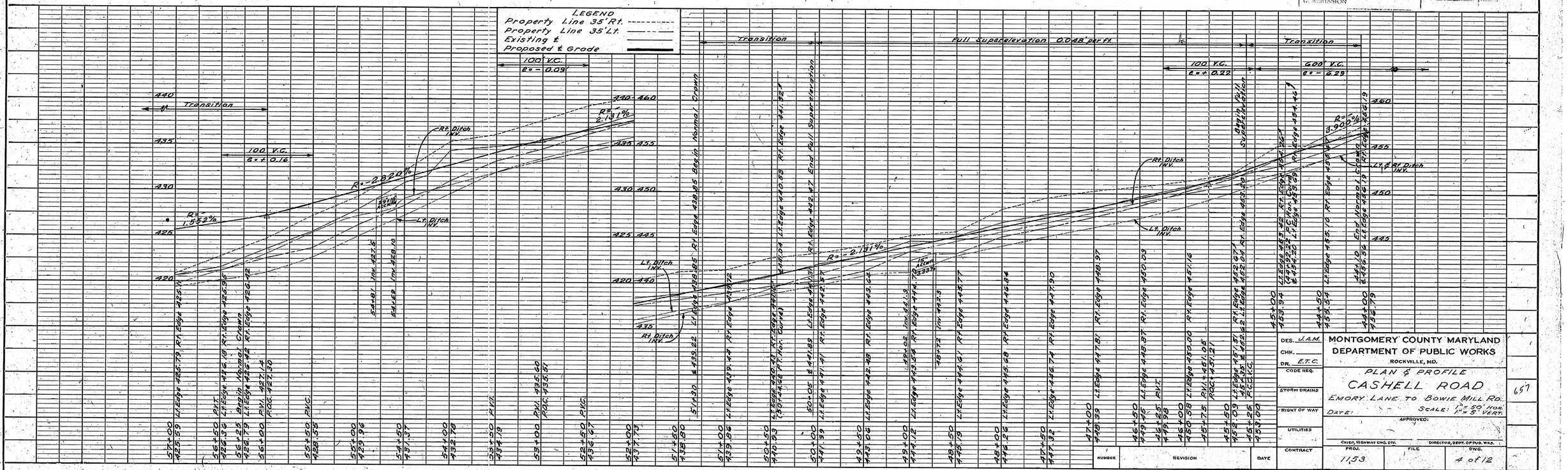
John A. Mary
SENIOR DESIGNING ENGINEER



TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY MARYLAND	JWL	11-17-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	JJB	11-24-61
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

WASHINGTON SUBURBAN SANITARY COMMISSION
EXISTING WATER ON SITE
12-8-61 E. J. Illy

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/6/62 L.S. #2364



DES. J.A.M.	MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS ROCKVILLE, MD.
CHK.	
DR. E.T.C.	PLAN & PROFILE
CODE REQ.	CASHELL ROAD
STORM DRAINS	EMORY LANE TO BOWIE MILL RD.
RIGHT OF WAY	DATE: SCALE: 1" = 50' HOR. 1" = 5' VERT.
UTILITIES	APPROVED:
CONTRACT	CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.
	PROJ. 1153 FILE DWG. 4 of 12

657

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

CE487-646-4

SD FILE NO. 657

SD#D-28, 6204LY

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 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
MONTGOMERY COUNTY	JDL	11-17-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	JJB	11-24-61
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		

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

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/6/62 R. McCullum
L.S. #2364

DES. J.A.M.	**MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS** ROCKVILLE, MD.
CHK.	
DR. E.T.C.	
CODE REQ.	PLAN & PROFILE
STORM DRAINS	CASHELL ROAD
RIGHT OF WAY	EMORY LANE TO BOWIE MILL RD. SCALE: 1" = 50' HOR. 1" = 5' VERT. DATE:
UTILITIES	APPROVED: CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.
CONTRACT	PROJ. 1153 / FILE / DWG. 5 of 12

NUMBER	REVISION	DATE

657

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

CE487-646-5

SD FILE NO. 657

Maryland State Archives

ABBA P. SCHWARTZ
WALLACE M. COHEN
SYLVIA J. COHEN
FEBRUARY 23, 1951
L1499 F240

ARTHUR D. CASHELL
JUNE 24, 1912
L228 F316
10 acres excepted from deed to Schwartz et. al. L1499, F240.

OLNEY ACRES
(E)
PLATBOOK 33
PLAT NO. 2158

HARO & MARY E. GRAY
L1258 F23 L1258 F25

ANNA C. TURTON
L2580 F587

HOLMES I. & P.M. STONER
L1284 F395

CASHELL ROAD

ATLANTIC SEABOARD CORPORATION
X Indicates stakes
367 over Gas Main
Figures indicate cover

HENRY E. HUTTEMAN
L1152 F333

ANNA C. TURTON
L2580 F587

OLNEY ACRES
(B)
PLATBOOK 33
PLAT NO. 2158

MELVIN A. & D.P. TORNEY
L2626 F149

PEARL D. & V.E. FORD
L1151 F285

GEORGE E. & JOYCELENE F. GREGG
L1849 F262

PERMINIA C. & RUBY G. MORRIS
L1628 F280

OLMONT HOMES INC.

BREADY ROAD

BLOCK A OLNEY ACRES
PLATBOOK 33 PLAT 2153

LOTS 23 TO 26 INCL.
BLOCK A OLNEY ACRES
PLATBOOK 40 PLAT 2854

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE Mar. C. 1962
L.S.

12-8-61

LEGEND
Property Line 35' Rt. ----------
Property Line 35' Lt. ----------
Existing ℄ ——————
Proposed ℄ Grade ——————

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 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. THE 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

Grade Only
J.A.M. 11-17-61
J.A.M. 11-20-61

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

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

PLAN & PROFILE
CASHELL ROAD
EMORY LANE TO BOWIE MILL RD.
DATE:
SCALE: 1"=50' HOR. 1"=5' VERT.
APPROVED:
CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.
PROJ. 1153 FILE DWG. 7 of 12

NUMBER REVISION DATE

657

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

CE487-646-6

SD FILE NO. 657

Maryland State Archives

WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
12-8-61 E. J. Lly
DATE

CASHELL ROAD

ALFRED L. BENNETT AND ELLIS P. BLOCK
OCTOBER 26, 1955
L2129 F530

ABBA P. SCHWARTZ
WALLACE M. COHEN
SYLVIA J. COHEN
FEBRUARY 23, 1951
L1499 F240

EDWARD M. & M.L. RUMSEY
L1781 F350

CARROLL D. SCHULTZ
L2347 F55

RAY P. & MARJORIE B. GALLAGHER
L1149 F369

OUT LOT "B"
BLOCK A OLNEY ACRES
PLATBOOK 33 PLAT 2153

PEARL D. & V.E. FORD
L1151 F285

GEORGE E. & JOYCELENE F. GREGG
L1849 F262

SCHWARTZ ET AL
CASHELL

Trav. Sta. 828 to 830
Az. Dist.

Trav. Sta. 830 to 831
Az. 19°51'43"
Dist. 566.27'

Trav. Sta. 830
N 95,392.60
W 23,790.92

N 95,368.27
W 23,765.41

N 95,358.02
W 23,780.87

N 94,520.23
W 23,997.84

Trav. Sta. 831
N 94,860.02
W 23,973.31

Scarify Old Road Bed Seed & Mulch over Fill Area.

Scarify & Seed & Mulch Old Roadway

NOTE:
IF NECESSARY TO PROTECT T-12, CONSTRUCT A CONCRETE SPILLWAY CONNECTION FROM THE EXISTING POND TO T-12 AS DIRECTED BY THE ENGINEER IN THE FIELD.

See Ditch Section "M"

See Ditch Section "L"

Remove Ex. MH 21' @ I.P.

Begin Guard Rail

End Guard Rail

Meet Ex. Stream

Drainage Easement

Outfall Ditch Section "N"

Begin Paved Ditch

End Paved Ditch

Begin Paved Ditch on Rt.

End Paved Ditch on Rt.

Begin Ditch on Rt.

End Ditch on Rt.

Begin Ditch on Lt.

End Ditch on Lt.

Pipe Found

Pepco 731009

Pepco 731008

Pepco 736238

Pepco 736503

Pepco 740268

Pepco 742680

1½ Story Frame

1 Story Brick

Curve #7
D = 5°45'
Δ = 37°49'30"
D/2 = 18°54'45"
R = 996.45'
T = 341.40'
C = 645.95'
A = 657.83'
Ext. = 56.86'

SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/16/62
O.P. McCallum
L.S. # 2364

LEGEND
Property Line 35' Rt. ----------
Property Line 35' Lt. — — —
Existing ℄
Proposed ℄ Grade

Transition | Full Superelevation .048 per ft. | Transition

Unsymmetrical V.C.
e = +4.36

100' V.C.
e = -0.13

Rt. Ditch Inv.
Lt. Ditch Inv.

Lt. Ditch Inv. 438.03
Inv. 437.65

SD #D-28,C 204 Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 1962
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PERMIT FOR MOVING ANY STRUCTURE APPROVED
THIS STORM DRAIN SYSTEM IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE STORM DRAINAGE SYSTEM SHOWN ON THE PLAN AND PROFILE OF CASHELL ROAD
COMMISSION ASSUMES NO RESPONSIBILITY FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS, OR TO OWNERS OF PROPERTY DAMAGED BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON
BY: Wm. C. Hawk
SENIOR DRAINAGE ENGINEER

TENTATIVE APPROVAL
MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS
MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
MONTGOMERY COUNTY PLANNING BOARD
MARYLAND STATE ROADS COMMISSION
DATE 11-13-62

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

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B. M.'s NOTED, STRUCTURES NOTATIONS ON TAN, BY, DATE

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

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD.

PLAN & PROFILE
CASHELL ROAD
EMORY LANE TO BOWIE MILL RD.
DATE: SCALE: 1" = 50' HOR. 1" = 5' VERT.

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

PROJ. 1153 | FILE | DWG. 8 of 12

NUMBER | REVISION | DATE

657

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

SD FILE NO. 657

CE487-646-7

Maryland State Archives

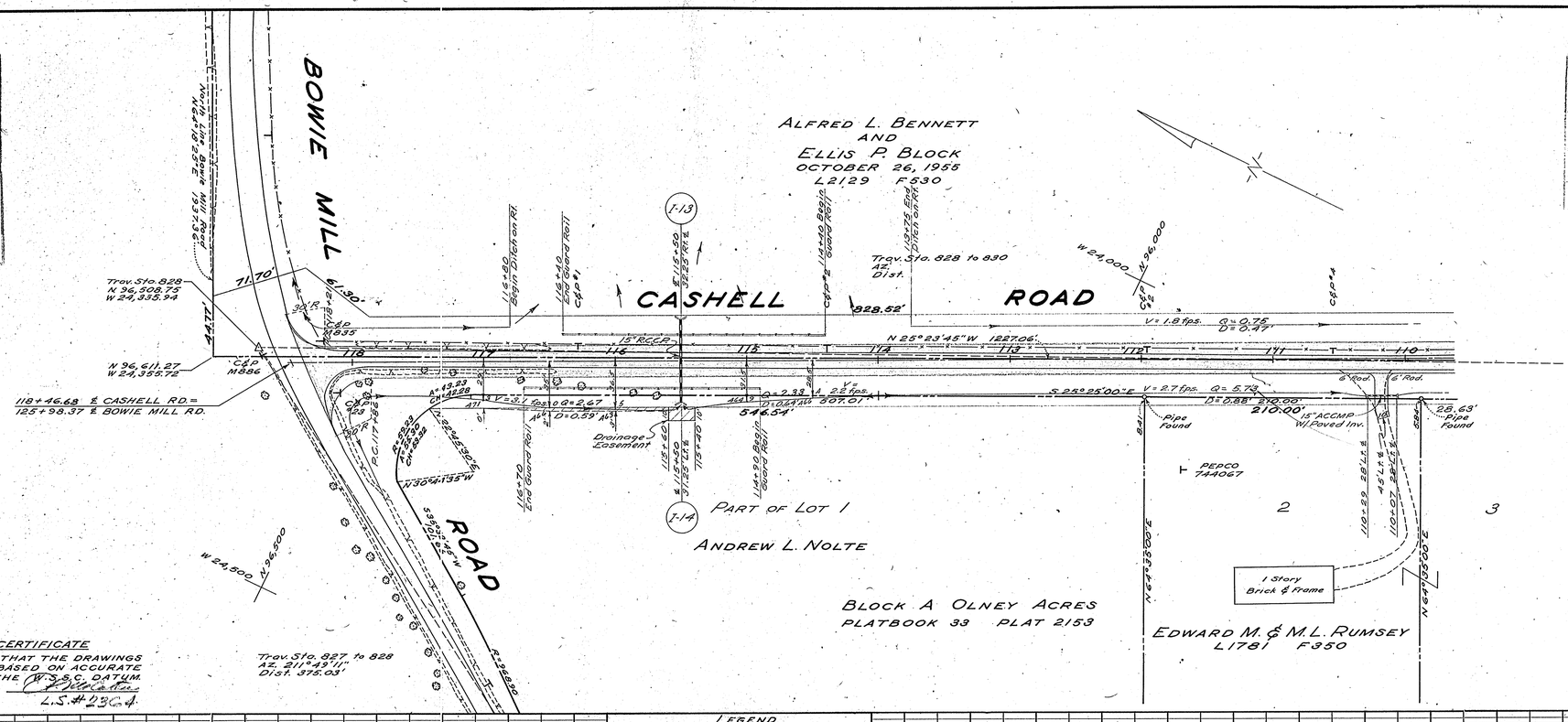
SD#D-28,62041Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 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.

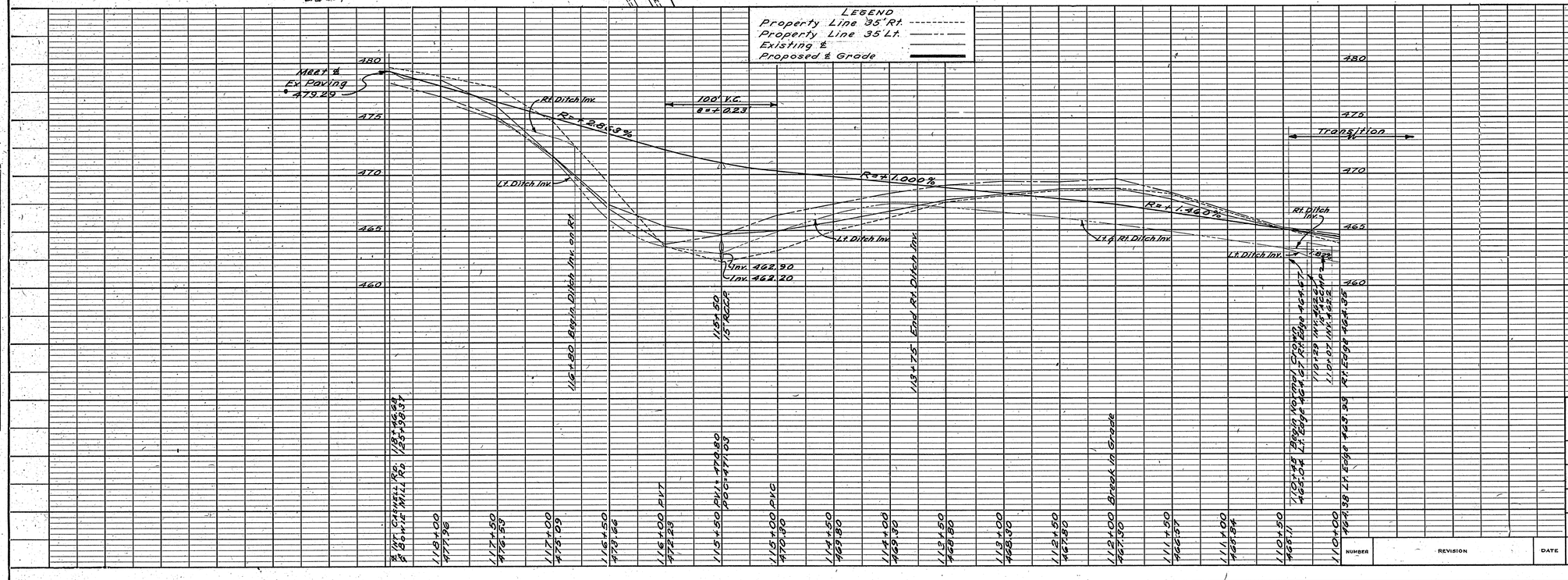
SENIOR DESIGNING ENGINEER

TENTATIVE APPROVAL	BY	DATE
MONTGOMERY COUNTY MARYLAND	JDL	11-17-61
MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION Grade Only	JJB	11-24-61
WASHINGTON SUBURBAN SANITARY COMMISSION		
MARYLAND STATE ROADS COMMISSION		



SURVEYORS CERTIFICATE
I HEREBY CERTIFY THAT THE DRAWINGS SHOWN HEREON ARE BASED ON ACCURATE FIELD SURVEYS IN THE W.S.S.C. DATUM.
DATE 3/6/62 L.S. #2364

WASHINGTON SUBURBAN SANITARY COMMISSION
NO EXISTING WATER OR SEWER
12-8-61



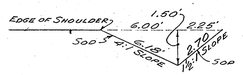
DES. J.A.M.	MONTGOMERY COUNTY MARYLAND DEPARTMENT OF PUBLIC WORKS ROCKVILLE, MD.
CHK.	
DR. E.T.C.	PLAN & PROFILE
CODE REQ.	CASHELL ROAD
STORM DRAINS	EMORY LANE TO BOWIE MILL RD.
RIGHT OF WAY	DATE: SCALE: 1" = 50' HOR. 1" = 5' VERT.
UTILITIES	APPROVED: CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.
CONTRACT	PROJ. 1153 FILE DWG. 9 of 12

657

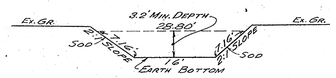
PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
261 FM-3 AGEPROOF FILM MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO., CHICAGO

CE487-646-8

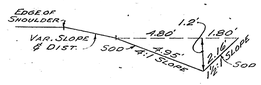
SD FILE NO. 657



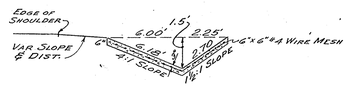
DITCH SECTION "A"
SODDED DITCH ON RT.
APPROX. 17+04 TO 28+25



OUTFALL DITCH SECTION "B"
DITCH ON LT. AT 17+04



DITCH SECTION "C"
SODDED DITCH ON RT.
28+25 TO 31+05

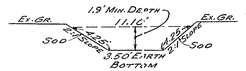


DITCH SECTION "D"
CONCRETE DITCH ON RT.
31+05 TO 35+50

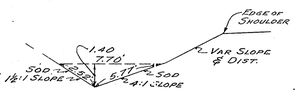
OUTFALL DITCH SECTION "E"
DITCH ON LT. FROM I-4 TO I-5

OUTFALL DITCH SECTION "F"
DITCH ON LT. AT I-3

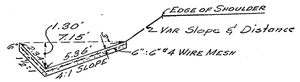
DITCH SECTION "G"
SODDED DITCH ON LT.
49+50 TO 59+10±



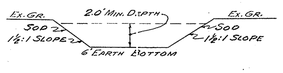
OUTFALL DITCH SECTION "H"
DITCH ON RT. AT I-7



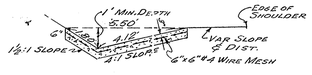
DITCH SECTION "I"
SODDED DITCH ON LT.
58+80± TO 63+50



DITCH SECTION "J"
CONCRETE DITCH ON LT.
63+50 TO 75+50±

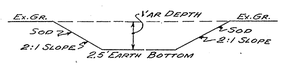


DITCH SECTION "K"
DITCH ON RT.
73+50 TO 75+50

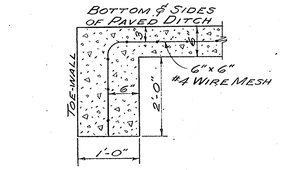


DITCH SECTION "L"
CONCRETE DITCH ON LT.
97+08 TO 98+47±

DITCH SECTION "M"
CONCRETE DITCH ON LT.
98+47± TO 102+10±



OUTFALL DITCH SECTION "N"
DITCH ON RT. AT I-11
98+47



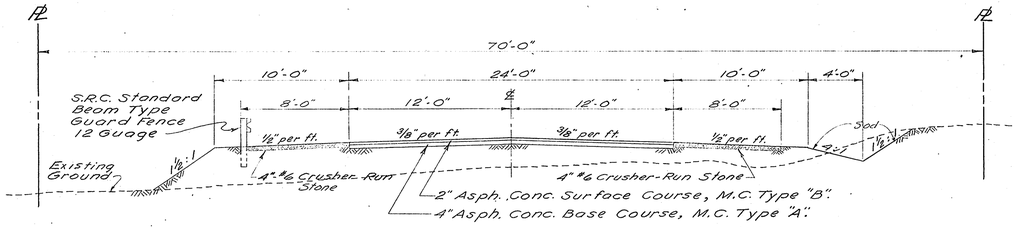
SECTION FOR CUT-OFF WALL AT END OF PAVED DITCHES

SP#0-38, 67041 Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED MARCH 8, 1962
FOR STORM DRAINS ONLY

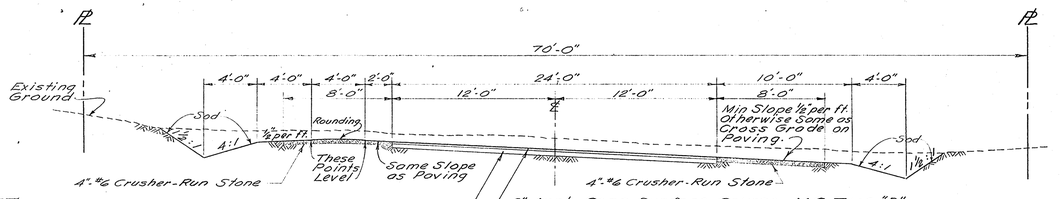
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY W.S.S.C STRUCTURES AFFECTED.
THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER 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.

SENIOR DESIGNING ENGINEER



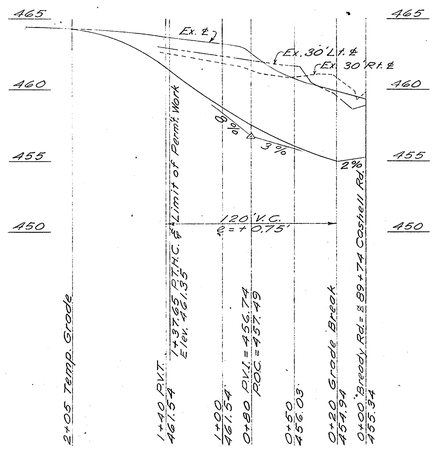
NOTE: Adjacent to Developed Property Sod All Unpoved Area.

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



NOTE: Adjacent to Developed Property Sod All Unpoved Area.

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



PROFILE
BREADY ROAD
SCALE: Vert. 1" = 5'
Hor. 1" = 50'

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.

DES. J.A.M.	MONTGOMERY COUNTY MARYLAND
CHK.	DEPARTMENT OF PUBLIC WORKS
DR. E.T.C.	ROCKVILLE, MD.
CODE REQ.	ROADWAY & DITCH SECTIONS
STORM DRAINS	PROFILE - BREADY RD.
RIGHT OF WAY	CASHELL ROAD 67
UTILITIES	EMORY LANE TO BOWIE MILL RD.
CONTRACT	DATE: SCALE: AS SHOWN
	APPROVED:
	CHIEF, HIGHWAY ENG. DIV. — DIRECTOR, DEPT. OF PUB. WKS.
	PROJ. 1153 — FILE — DWG. 10 of 12

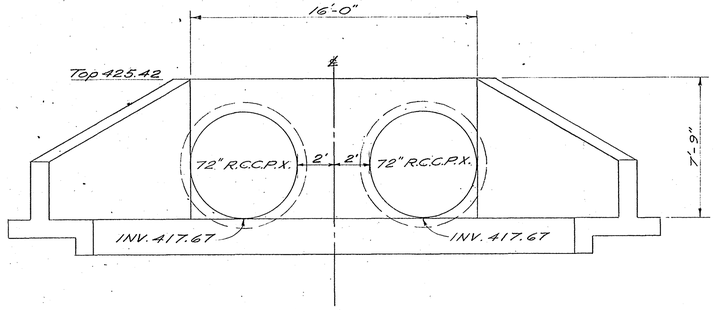
NUMBER	REVISION	DATE

CE487-646-9

SD FILE NO. 657

35/26/7

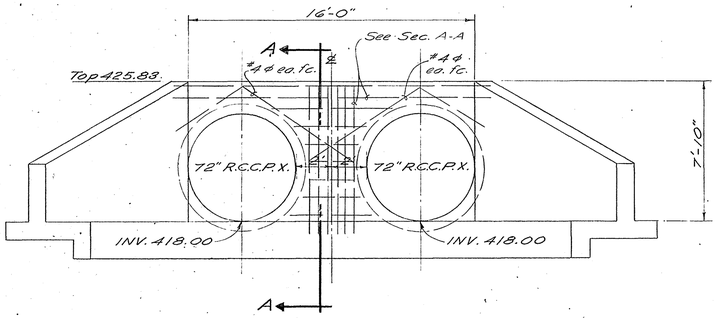
Maryland State Archives



FRONT ELEVATION VIEW
SPECIAL HEADWALL AT I-1

SCALE: 1/4"=1'-0"
FOR REINF. SEE I-2 BELOW

NOTE:
ALL OTHER DETAILS AND SPECIFICATIONS NOT SHOWN THIS SHEET MUST CONFORM TO THE S.R.C. STANDARD B-72 HEADWALL ON PAGE #17 OF THE S.R.C. BOOK OF STANDARDS.



FRONT ELEVATION VIEW
SPECIAL HEADWALL AT I-2

SCALE: 1/4"=1'-0"
REINF. FOR I-1 & I-2

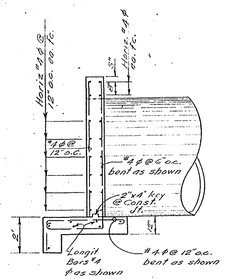
SD#D-78, G2041Y

WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED MARCH 8, 1972
FOR STORM DRAINS ONLY

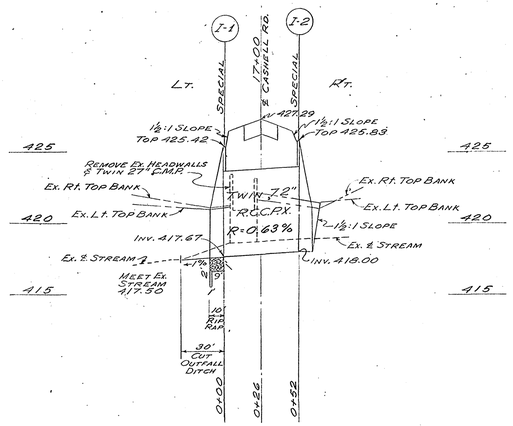
SUBJECT TO PRIOR INSTALLATION OF WATER & SEWER AND PAYMENT FOR MOVING ANY WS.SC STRUCTURE AFFECTED. THE STORM DRAINAGE STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THIS DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER 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.

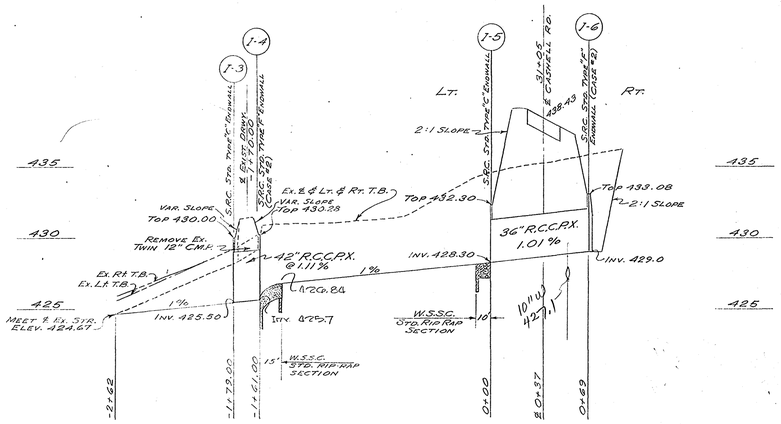
John O. Mark
SENIOR DESIGNING ENGINEER

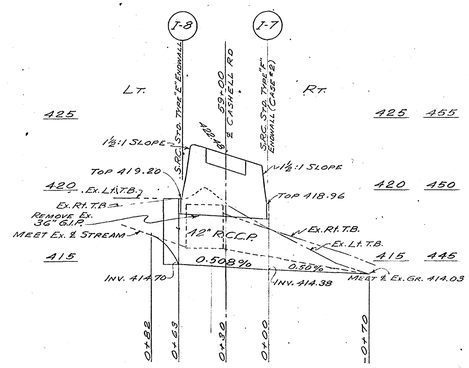
* Box Culvert @ Sta. 75+60 not included.

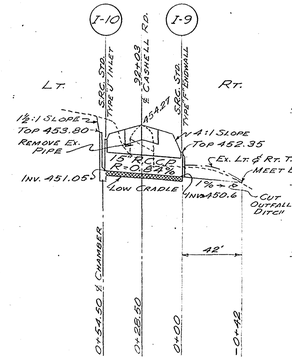


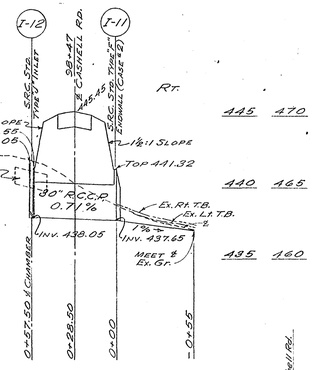
SECTION A-A
TYPICAL FOR I-1 & I-2
Scale: 1/4"=1'-0"

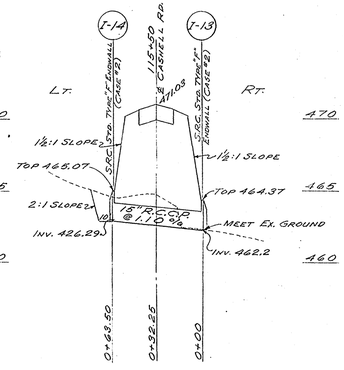










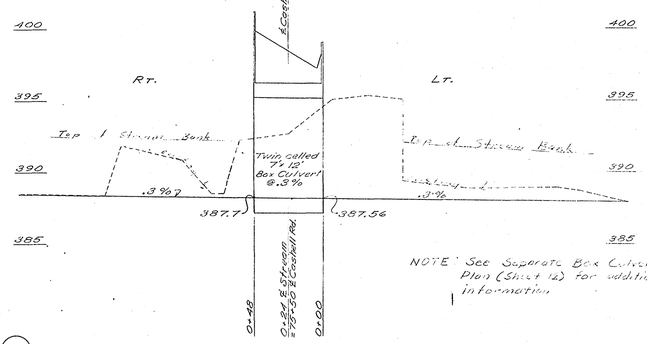


PIPE SCHEDULE

TOTAL LENGTH	SIZE	TYPE	REMARKS
140 L.F.	15"	A.C.C.M.P.	#16 GAGE W/PAVED INVERT & 12 SHOP FAB. END SECTIONS
110 L.F.	18"	A.C.C.M.P.	#16 GAGE W/PAVED INVERT & 10 SHOP FAB. END SECTIONS
88 L.F.	22"x 13"	A.C.C.M.P.A.	#16 GAGE W/PAVED INVERT & 8 SHOP FAB. END SECTIONS
46 L.F.	29"x 18"	A.C.C.M.P.A.	#14 GAGE W/PAVED INVERT & 4 SHOP FAB. END SECTIONS
117 L.F.	15"	R.C.C.P. (CLASS III)	54 L.F. TO HAVE LOW - CRADLE
58 L.F.	30"	R.C.C.P. (CLASS III)	
69 L.F.	36"	R.C.C.P.X. (CLASS IV)	
63 L.F.	42"	R.C.C.P. (CLASS III)	
18 L.F.	42"	R.C.C.P.X. (CLASS IV)	
104 L.F.	72"	R.C.C.P.X. (CLASS IV)	
150 L.F.	6"	VIT. TILE PIPE	

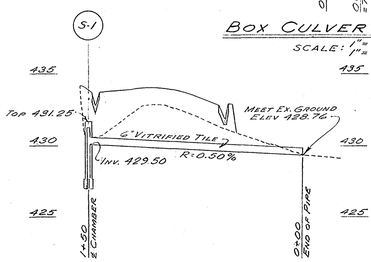
STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. ELEV.	REMARKS
I-1	SPECIAL	425.42	417.67	SEE DETAILS THIS SHEET
I-2	SPECIAL	425.83	418.00	SEE DETAILS THIS SHEET
S-1	STD. SPRING BOX	431.25	429.50	PAGE #131 S.R.C. BOOK OF STDS.
I-3	STD. TYPE "C" ENDWALL	430.00	425.50	PAGE #18 S.R.C. BOOK OF STDS.
I-4	STD. TYPE "F" ENDWALL	430.28	425.70	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)
I-5	STD. TYPE "C" ENDWALL	432.30	428.30	PAGE #18 S.R.C. BOOK OF STDS.
I-6	STD. TYPE "F" ENDWALL	433.08	429.00	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)
I-7	STD. TYPE "F" ENDWALL	418.96	414.38	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)
I-8	STD. TYPE "E" ENDWALL	419.20	414.70	PAGE #19 S.R.C. BOOK OF STDS.
I-9	STD. TYPE "F" ENDWALL	452.35	450.60	PAGE #21 S.R.C. BOOK OF STDS.
I-10	STD. TYPE "J" INLET	453.80	451.05	PAGES #23 & #24 S.R.C. BOOK OF STDS. W/GRATE
I-11	STD. TYPE "F" ENDWALL	441.32	437.65	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)
I-12	STD. TYPE "J" INLET	441.55	438.05	PAGES #23 & #24 S.R.C. BOOK OF STDS. W/GRATE
I-13	STD. TYPE "F" ENDWALL	464.37	462.20	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)
I-14	STD. TYPE "F" ENDWALL	465.07	462.90	PAGES #21 & #23 S.R.C. BOOK OF STDS.(CASE #2)



NOTE: See Separate Box Culvert Plan (Sheet 12) for additional information.

BOX CULVERT PROFILE
SCALE: 1"=50' Hor.
1"=5' Vert.



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

MONTGOMERY COUNTY MARYLAND
DEPARTMENT OF PUBLIC WORKS
ROCKVILLE, MD. 657

PIPE PROFILES & DETAILS
CASHELL ROAD
EMORY LANE to BOWIE MILL RD.
SCALE: 1"=50' HOR. 1"=5' VERT.
DATE:
APPROVED:
CHIEF, HIGHWAY ENG. DIV. DIRECTOR, DEPT. OF PUB. WKS.

PROJ.	FILE	DWG.
1153		11 of 12

NUMBER	REVISION	DATE

EXCLUDE Box Culvert

CE487-646-10

SD FILE NO. 657

Maryland State Archives