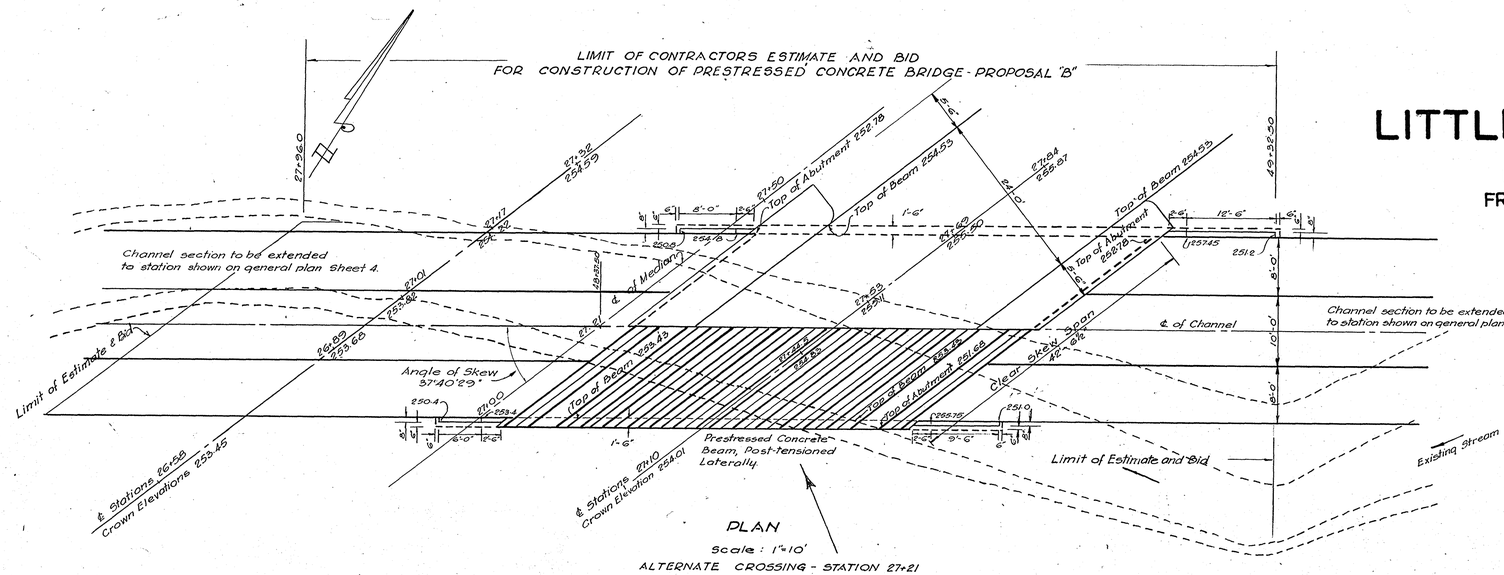
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

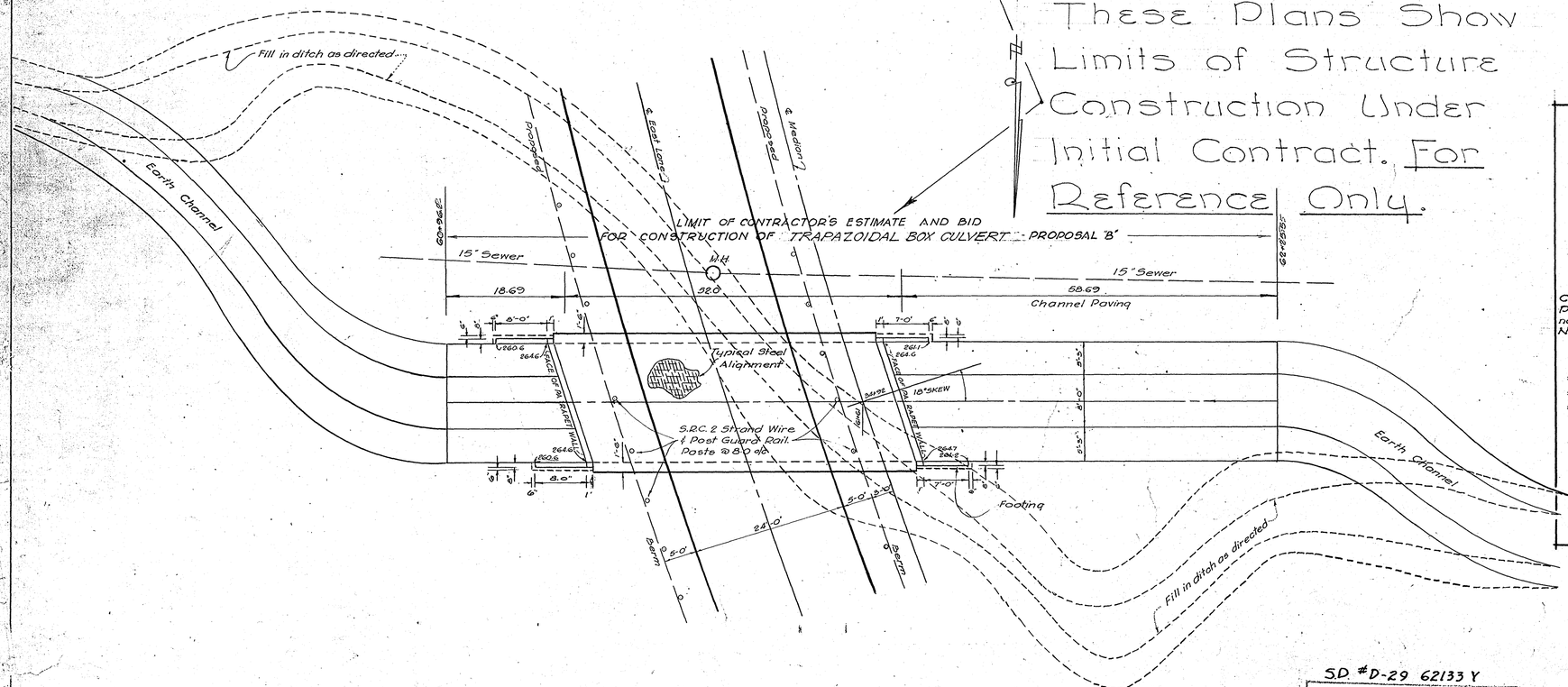
LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD
PROPOSAL "B"



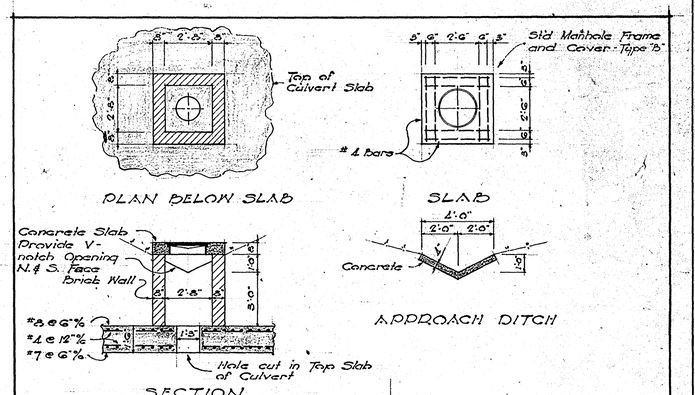
PLAN
Scale : 1"=10'
ALTERNATE CROSSING - STATION 27+21

These Plans Show Limits of Structure Construction Under Initial Contract. For Reference Only.



PLAN
Scale : 1"=10'
ALTERNATE CROSSING - STATION 34+92

NOTE:
This sheet shows the alternate proposal whereby it is proposed to construct the abutments for only one crossing. In place of the extended abutments as shown on plans 7 and 8 for future deck construction, paved channel only will be built.



INLET DETAIL FOR CULVERT AT STATION 34+02
Scale : ½" = 1'-0"

DEPARTMENT OF PARKS
MD. NAT. CAP. PARK & PLANNING COMMISSION
SILVER SPRING - MARYLAND - RIVERDALE
STAFF RECOMMENDED: John W. Hewitt
DATE Feb. 13, 1957
COMMISSION APPROVED: Sidney McOliver
VICE CHAIRMAN AND PARK COMMISSIONER
DATE Feb. 13, 1957

S.D. #D-29 62133 Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED July 31, 1962
FOR STORM DRAINS ONLY
John A. Marx
SENIOR DESIGNING ENGINEER
* Inlet detail at Sta. 34+92

S.D. #D-16 57001-Y
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Jan. 31, 1957
FOR STORM DRAINS ONLY
James A. Stapp
SENIOR DESIGNING ENGINEER

GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

690

CE487-678-1

SD FILE NO. 690

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD

SCALES

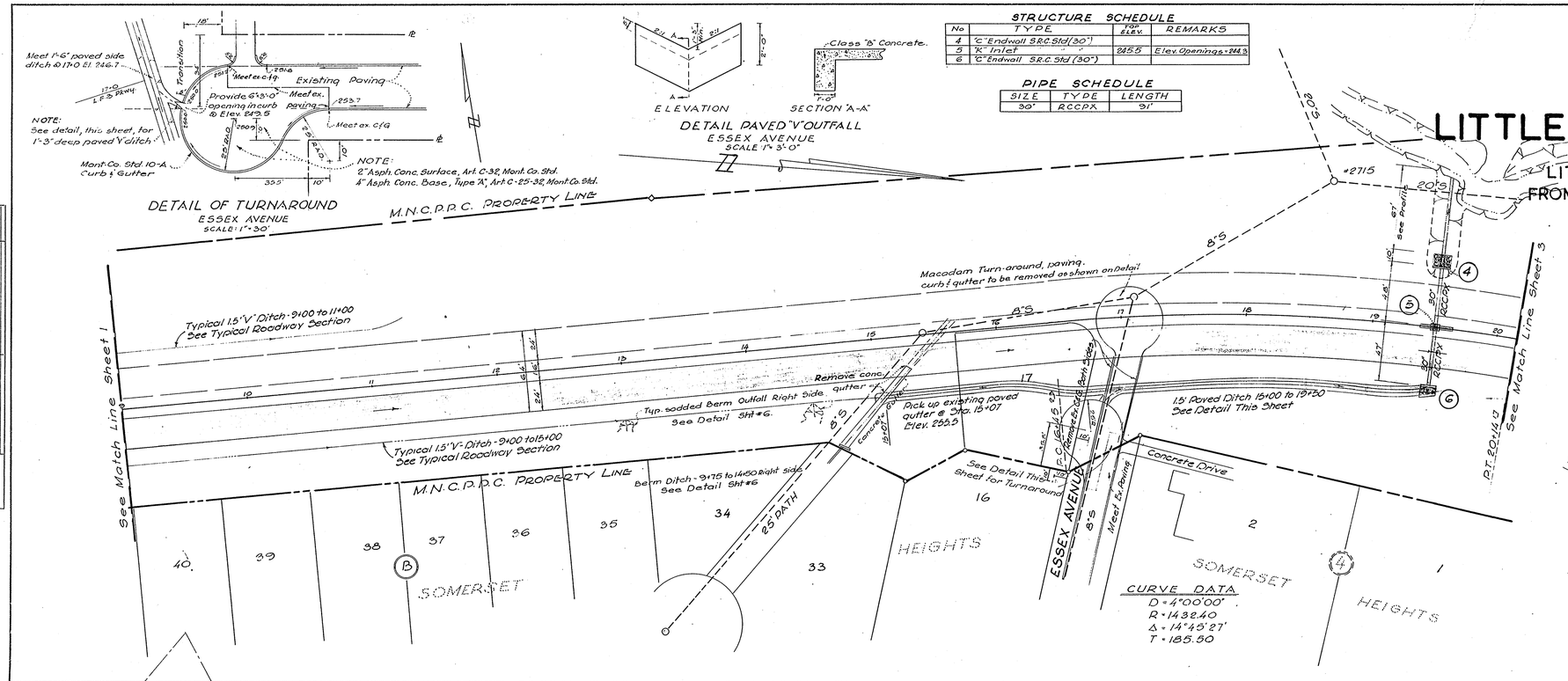
PLAN	1" = 50'
PROFILE	1" = 50' (HOR)
"	1" = 5' (VERT)

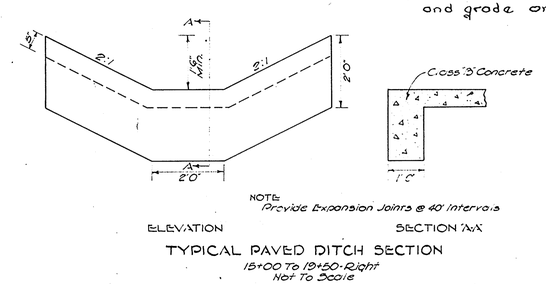
STRUCTURE SCHEDULE

No	TYPE	TOP ELEV.	REMARKS
4	"C" Endwall S.R.C. Std (30")		
5	"K" Inlet " "	245.5	Elev. Openings = 244.3
6	"C" Endwall S.R.C. Std (30")		

PIPE SCHEDULE

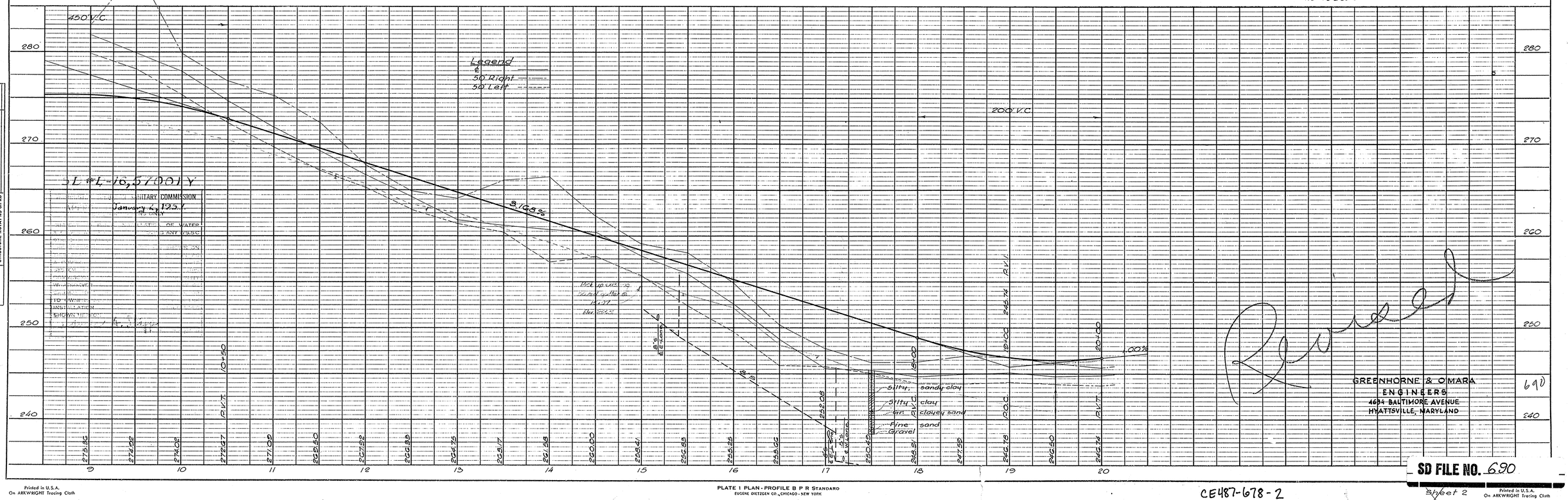
SIZE	TYPE	LENGTH
30"	RCCPX	91'





TYPICAL PAVED DITCH SECTION
15+00 To 19+50 - Right
Not To Scale

* APPROVED
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION
BY Sidney M. Oliver
* Tentative for alignment and grade only.



GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

690

SD FILE NO. 690

Sheet 2

CE487-678-2

PLATE 1 PLAN - PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Printed in U.S.A. On ARKWRIGHT Tracing Cloth

Printed in U.S.A. On ARKWRIGHT Tracing Cloth

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

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

Maryland State Archives

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD

SCALES

PLAN 1" = 50'
PROFILE 1" = 50'(HOR)
" 1" = 5' (VERT)

Feb. 13, 1957
Feb. 13, 1957

APPROVED
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION
BY Sidney M. Oliver DATE
*Tentative for alignment and grade only.

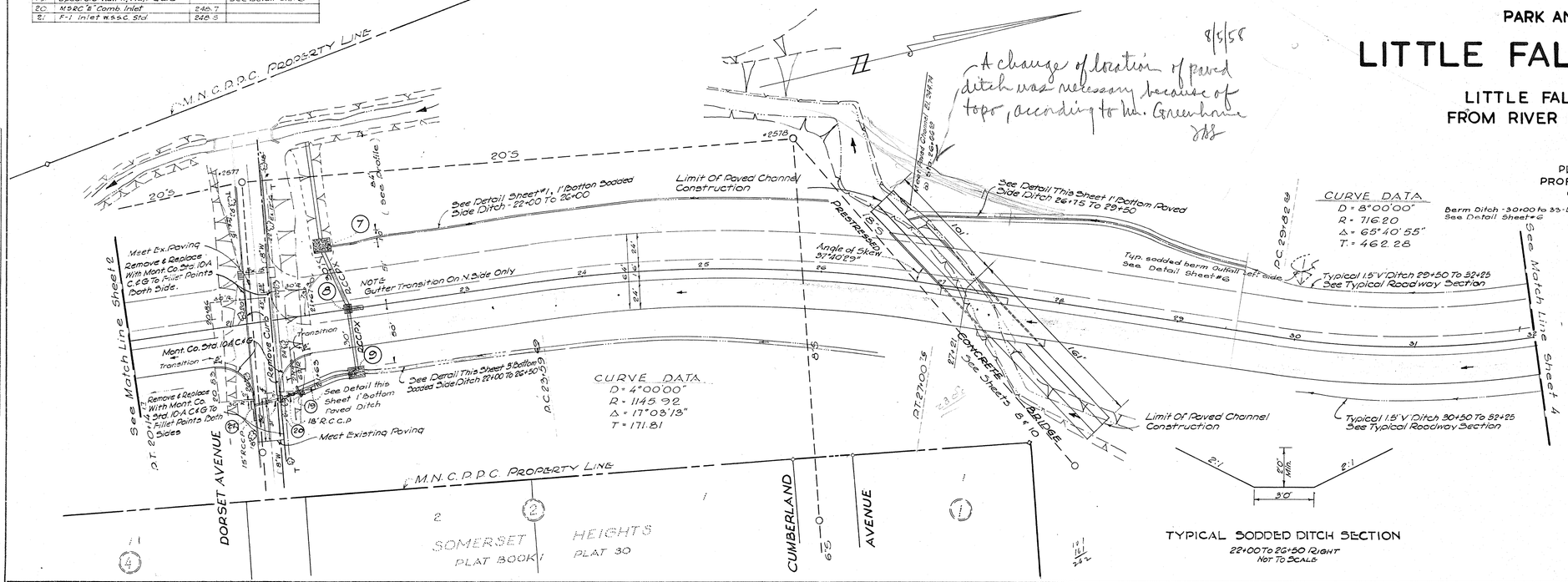
STRUCTURE SCHEDULE

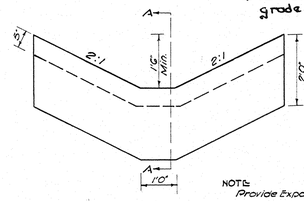
No	TYPE	FOR S.L.B.V.	REMARKS
7	'C' Endwall S.R.C. Std. (30")		
8	'K' Inlet S.R.C. Std	241.9	Exp. Openings=2166
9	'C' Endwall S.R.C. Std		℄
19	Spec. C.O. Wall w/ Iron Gate		See Detail Sht 6
20	M.S.R.C. 'E' Comb. Inlet	246.7	
21	F-1 Inlet M.S.S.C. Std	248.3	

PIPE SCHEDULE

SIZE	TYPE	LENGTH	HIGH CRADLE
15"	R.C.C.P.	18'	
18"	R.C.C.P.	16'	
30"	R.C.C.P.X.	97'	

9/5/58
A change of location of paved ditch was necessary because of topo, according to Mr. Greenhorne
JBS



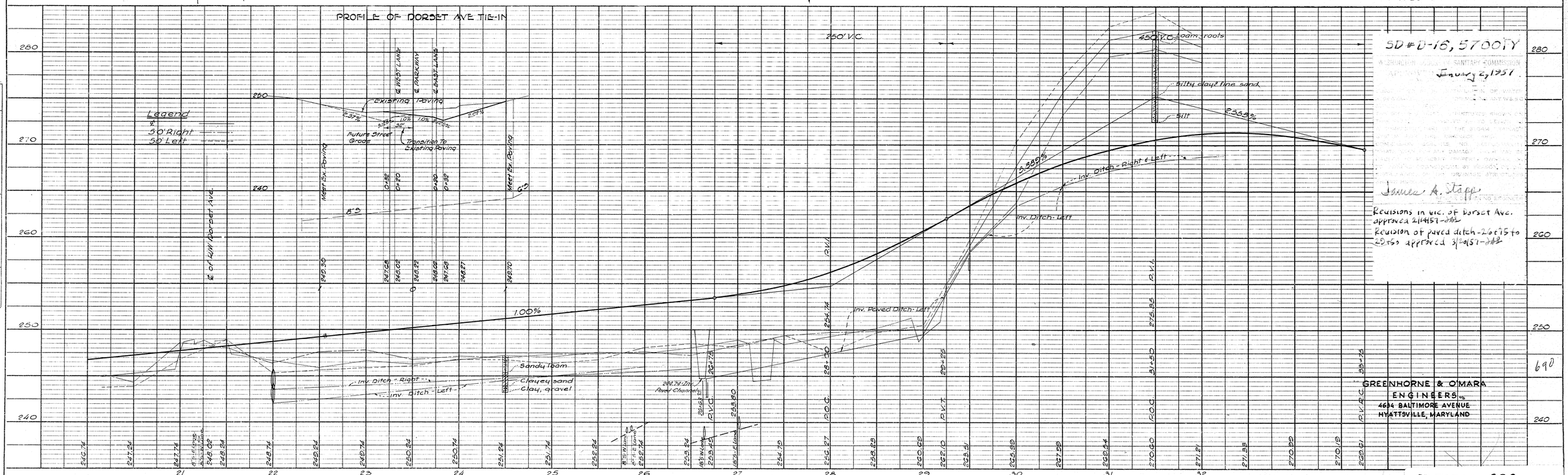


TYPICAL SODDED DITCH SECTION
22+00 To 26+50 Right
Not To Scale

NOTE: Provide Expansion Joints @ 40' Intervals

TYPICAL PAVED DITCH SECTION
27+50 to 29+50 Left & Tie-In From +9 to 19
Not To Scale

PROFILE OF DORSET AVE TIE-IN


Legend
50' Right
50' Left
℄ of Dorset Ave.
Existing Paving
℄ West Lane
℄ Parkway
℄ East Lane
Future Street Grade
Transition To Existing Paving
Meet Ex. Paving
Meet By Paving
0.37%
5.98%
2.07%
1.00%
2.38%
5.98%
250' V.C.
450' V.C.
Loam - roots
Silty clay & fine sand
Silt
Inv. Ditch - Right & Left
Inv. Ditch - Left
Inv. Paved Ditch - Left
Sandy Loam
Clayey sand
Clay, gravel
282.79 Tie Paved Channel
Inv. Ditch - Right
Inv. Ditch - Left
8" W. Main
8" S.E. Main
18" Storm
Future Street
Existing Paving
Future Street
Existing Paving
Future Street
Existing Paving

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD

SCALES

PLAN	1" = 50'
PROFILE	1" = 50'(HOR)
"	1" = 5' (VERT)

CURVE DATA
D = 8°00'00"
R = 716.20
A = 65°40.55
T = 462.28

See Match Line Sheet 5

See Match Line Sheet 5

Berm Ditch 30+00 to 33+00
See Detail Sht #6

Typ. sodded berm Outfall Left Side
See Detail Sht #6

Angle of Skew 18°00'00"

Typ. sodded berm Outfall Right Side
See Detail Sht #6

Typ. sodded berm Outfall Right Side
See Detail Sht #6

Berm Ditch 36+0 to 38+50
See Detail Sht #6

Typical 15' V Ditch 40+00 To 83+00
See Typical Roadway Section

B&O R/W Line

B&O R/W Line

B&O RAILROAD

NOTE:
Standard B&O Bituminous Concrete Highway Grade Crossing required. Paving to meet existing top of rail elevations.

Reference angle = 7 Courses to Tangent to curve at ℄ station noted on B&O Railroad.

Reference angle = ℄ Line to tangent to curve at ℄ station noted on B&O Railroad.

See Detail Sheet #1 - 1' Bottom Section
Side Ditch 42+00 To 46+50

Transition 100

P.T. 38+03.86

Right of Way Dedi.

B&O R/W Line

B&O R/W Line

B&O CURVE DATA
(From BC = 37+05.42 To 40+83.27)
Δ = 13°29'16"
D = 13°0.00'
Chd. = 360.08
Brg. = N25°32.37'E
A = 360.63'

(From BC = 37+05.42 To 40+45.04)
Δ = 11°7'16.58"
R = 440.00'
Chd. = 337.90'
Brg. = N25°42.41'E
A = 338.34'

Legend
50' Right
50' Left

450' V.C.

400' V.C.

200' V.C. (RIGHT LANE)
200' V.C. (LEFT LANE)

200' V.C. (RIGHT LANE)
200' V.C. (LEFT LANE)

400' V.C.

1.00%
1.02%
2.60%
2.53.3%
3.06%

Silty sand
Silt, gravel

Left Lane
Right Lane

P.V.I.
P.V.C.
P.V.T.
P.O.C.
P.O.T.

GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

690

★ APPROVED
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION
BY _____ DATE _____
★ Tentative for alignment and grade only.

SD FILE NO. 690

CE 487-678-4

RT OF WAY CHECKED
NO
B.M.'s NOTED
STRUCTURE NOTATN'S CH'KD
NO

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On ARKWRIGHT Tracing Cloth

PLATE 1 PLAN - PROFILE B P R STANDARD
EUGENE DIETZGEN CO. CHICAGO NEW YORK

On ARKWRIGHT Tracing Cloth

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

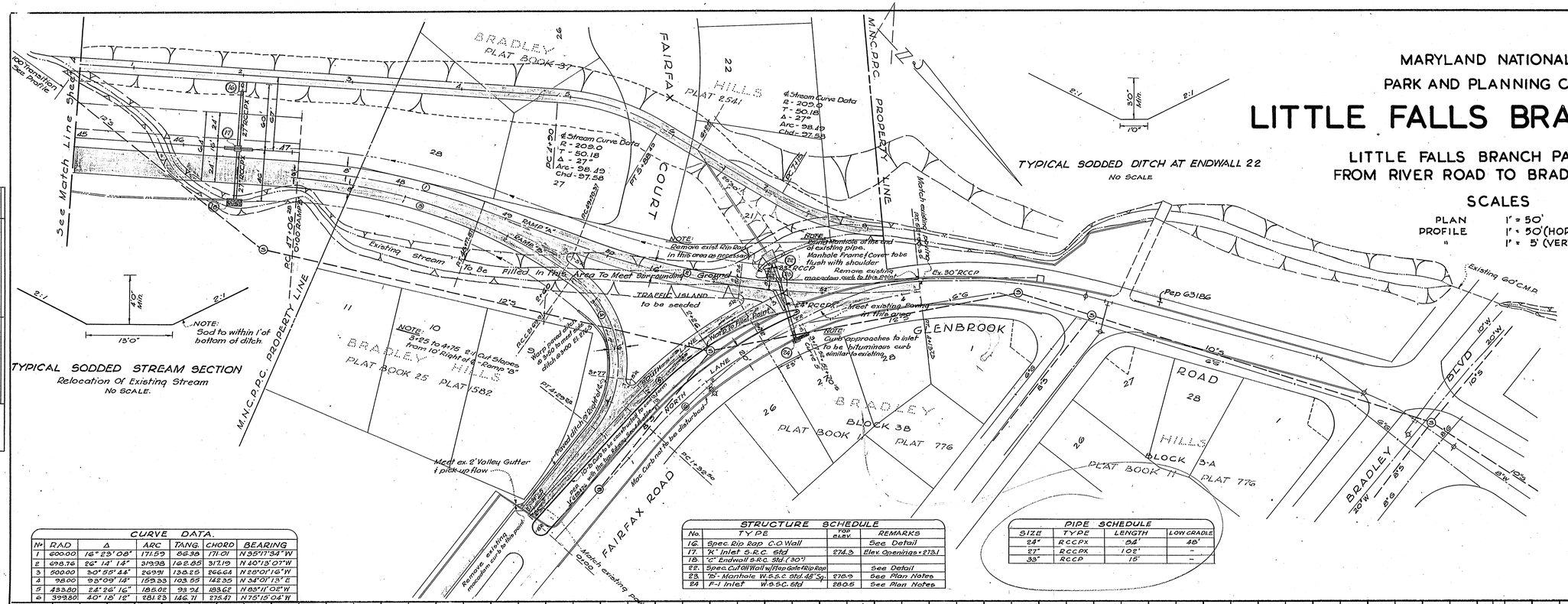
LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD

S.D. # D-16, 57001-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 14-57
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.
James A. Stapp
SENIOR DESIGNING ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

SCALES

PLAN	1" = 50'
PROFILE	1" = 50' (HOR)
"	1" = 5' (VERT)



TYPICAL SODDED DITCH AT ENDWALL 22
No SCALE

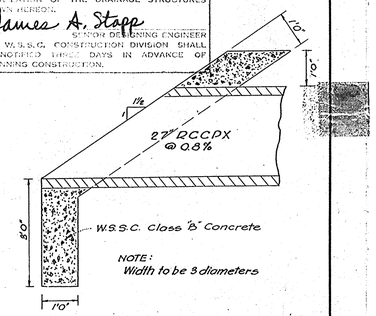
TYPICAL SODDED STREAM SECTION
Relocation Of Existing Stream
No SCALE.

NOTE: Sod to within 1' of bottom of ditch.

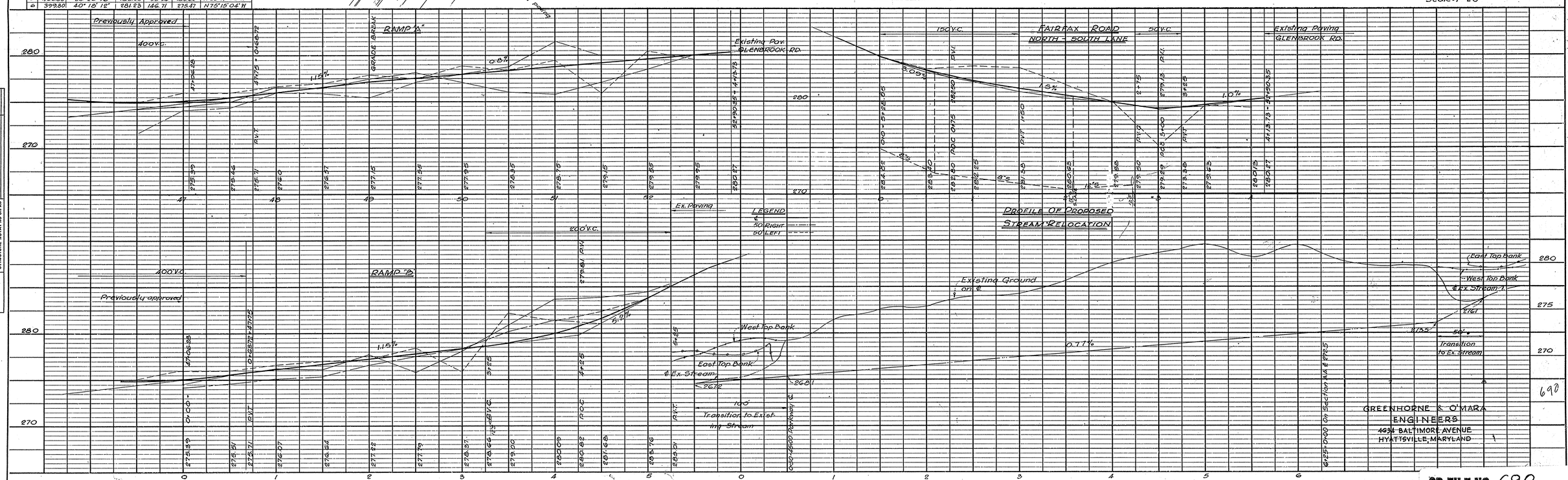
CURVE DATA.						
No.	RAD	Δ	ARC	TANG.	CHORD	BEARING
1	600.00	16° 23' 08"	171.59	86.38	171.01	N 35°17'34" W
2	698.76	26° 14' 14"	319.98	162.85	317.19	N 40°13'07" W
3	500.00	30° 55' 44"	269.91	138.25	266.64	N 28°01'16" W
4	98.00	93°09' 14"	159.33	103.55	142.35	N 34°01'13" E
5	433.80	24° 26' 16"	185.02	93.94	183.62	N 83°11'02" W
6	399.80	40° 18' 12"	281.23	146.71	275.47	N 75°15'04" W

STRUCTURE SCHEDULE			
No.	TYPE	TOP ELEV.	REMARKS
16.	Spec. Rip Rap C.O. Wall		See Detail
17.	"K" Inlet S.R.C. Std	274.3	Elev. Openings = 273.1
18.	"C" Endwall S.R.C. Std. (30")		
22.	Spec. Cut Off Wall w/ Flap Gate & Rip Rap		See Detail
23.	"B"- Manhole W.S.S.C. Std. 48" Sq.	278.9	See Plan Notes
24	F-1 Inlet W.S.S.C. Std	280.5	See Plan Notes

PIPE SCHEDULE			
SIZE	TYPE	LENGTH	LOW CRADLE
24"	RCCPX	84'	48'
27"	RCCPX	102'	–
33"	RCCP	15'	–



DETAIL OF SPECIAL RIP-RAP CUT-OFF WALL No. 16
Scale - 1" = 2'0"



690

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

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

Printed in U.S.A.
On ARKWRIGHT Tracing Cloth

PLATE 1 PLAN - PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

SD FILE NO. 690

CE487-678-5

Sheet 5 On ARKWRIGHT Tracing Cloth

Maryland State Archives

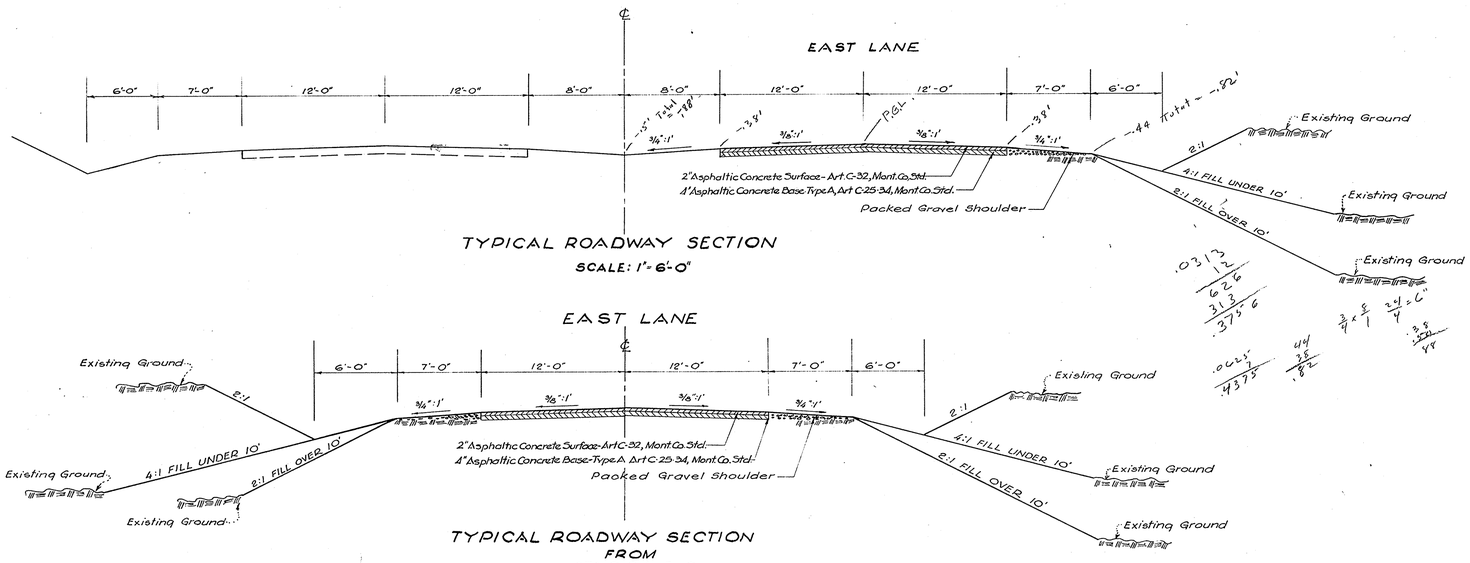
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD

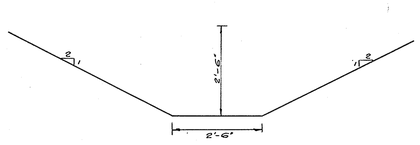
SCALES

PLAN	1" = 50'
PROFILE	1" = 50'(HOR)
"	1" = 5' (VERT)

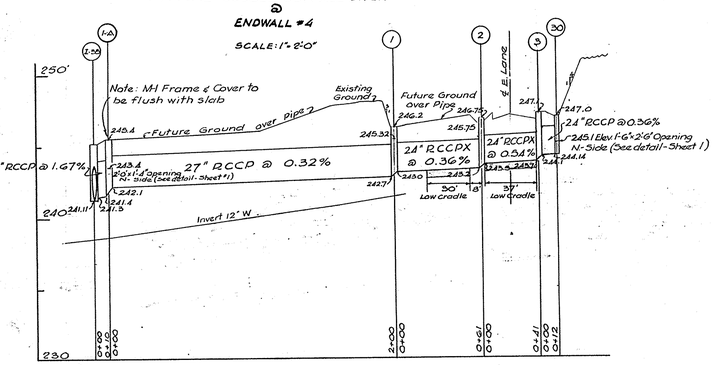


TYPICAL ROADWAY SECTION
SCALE: 1"= 6'-0"

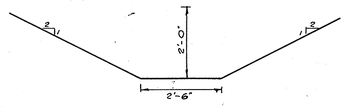
TYPICAL ROADWAY SECTION
FROM
STA 0+0 to 3+0
STA 47+0 to 51+50
SCALE: 1"= 6'-0"



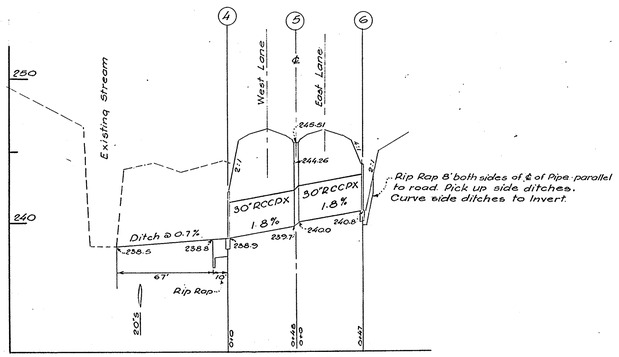
TYPICAL SODDED OUTFALL DITCH
@
ENDWALL #4
SCALE: 1"= 2'-0"



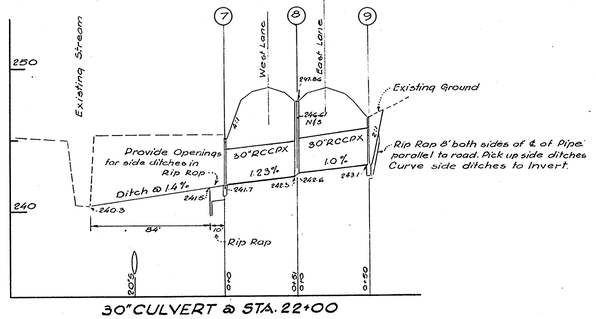
STORM DRAIN SYSTEM
AT
RIVER ROAD



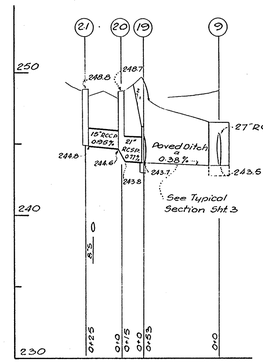
TYPICAL SODDED OUTFALL DITCH
@
ENDWALL #7
SCALE: 1"= 2'-0"



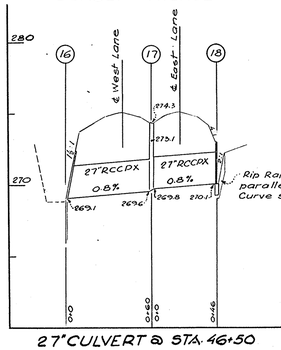
30" CULVERT @ STA. 19+50



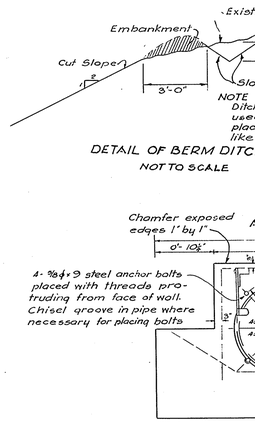
30" CULVERT @ STA. 22+00



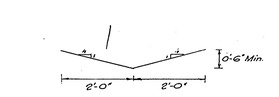
STORM DRAIN SYSTEM
AT
DORSET AVENUE



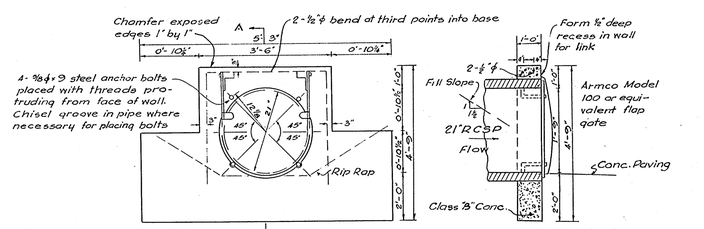
27" CULVERT @ STA. 46+50



DETAIL OF BERM DITCH
NOT TO SCALE



DETAIL OF SODDED BERM OUTFALL
NOT TO SCALE



SPECIAL CUTOFF WALL WITH FLAP GATE
NO SCALE
NOTE: Flap gate shall be furnished with brass studs, bushing and nuts, and bronze cotter pins.

SD #D-75,5700Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED January 19, 1951
FOR STORM DRAINS ONLY
SUBJECT TO PRIOR INSTALLATION OF WATER AND SEWER AND [illegible] FOR MOVING ANY WS.S.C. STRUCTURE AFFECTED. THE STORM DRAIN STRUCTURES SHOWN ON THIS PLAN ARE APPROVED AS TO DESIGN AS A COMPONENT PART OF THE STORM DRAINAGE SYSTEM FOR THE DRAINAGE AREA. THIS COMMISSION ASSUMES NO RESPONSIBILITY WHATSOEVER FOR ANY DAMAGE WHICH MAY BE CAUSED TO ADJACENT PROPERTY OWNERS OR TO OWNERS OF CONTIGUOUS BY REASON OF THE INSTALLATION OF THE DRAINAGE STRUCTURES SHOWN HEREON.
A. Hipp
SENIOR DESIGNING ENGINEER

Revised
See other sheet 6

GENERAL NOTES

1. All [illegible] to be constructed in accordance with [illegible] Standard Specifications [illegible]

GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

690

SD FILE NO. 690

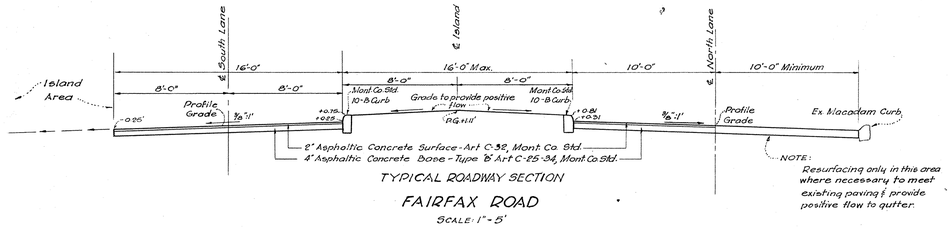
Sheet 6

CE 487-678-6

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

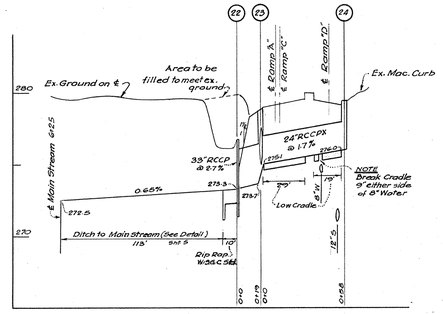
LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD



TYPICAL ROADWAY SECTION

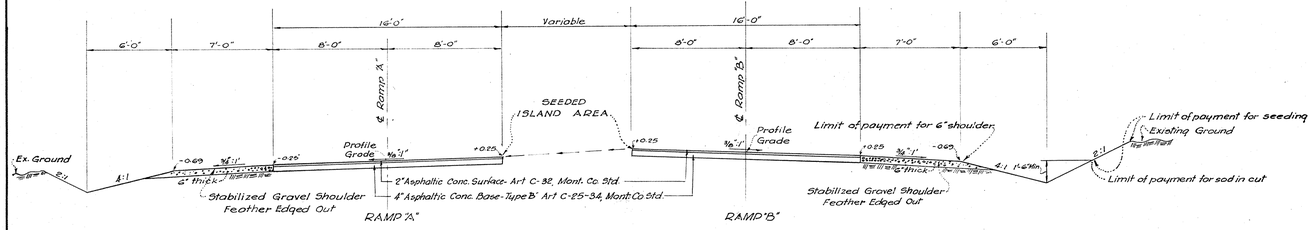
FAIRFAX ROAD

SCALE: 1" = 5'



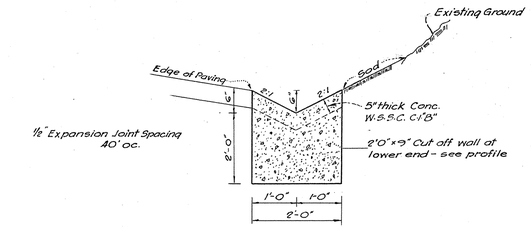
STORM DRAIN SYSTEM
AT
FAIRFAX ROAD

SCALES
VERT: 1" = 5'
HOR: 1" = 50'

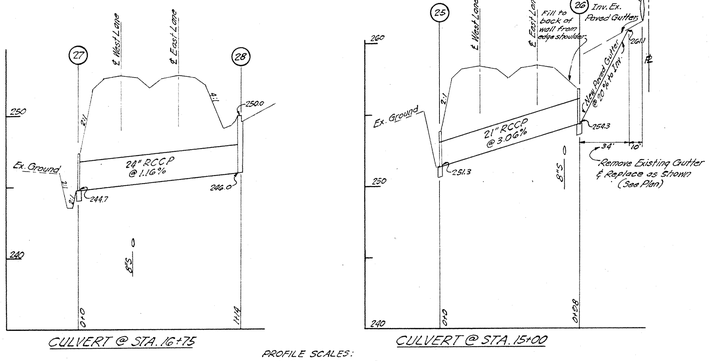


TYPICAL ROADWAY SECTIONS

SCALE: 1"=5'



PAVED DITCH SECTION
RAMP 'B'
NO SCALE



CULVERT @ STA. 16+75

CULVERT @ STA. 15+00

PROFILE SCALES:
VERT. 1"=5'
HOR. 1"=50'

DEPARTMENT OF PARKS
MD. NAT. CAP. PARK & PLANNING COMMISSION
SILVER SPRING - MARYLAND - RIVERDALE

STAFF RECOMMENDED
DATE Feb. 13, 1957
John P. Hurley

COMMISSION APPROVED
DATE Feb. 13, 1957
Sidney McClure
VICE CHAIRMAN AND PARK COMMISSIONER

S.D. # D-16, 57001-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED February 14-57
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.

James A. Stapp
SENIOR DESIGNING ENGINEER

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

Addition of profiles between (25) & (26) approved 3/20/57 - DAS

GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

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SD FILE NO. 690

Sheet 7

CE487-678-7

Maryland State Archives

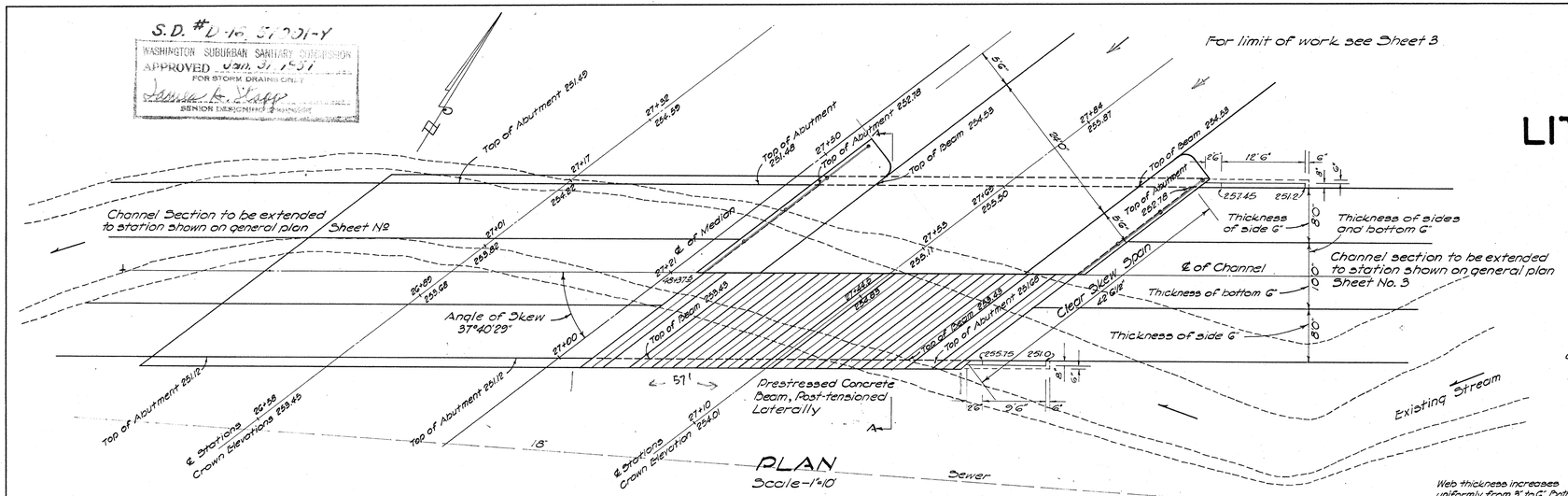
S.D. # D-16-81-01-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED Jan. 31, 1951
FOR STORM DRAINS ONLY
James K. Yapp
SENIOR ENGINEERING DRAFTSMAN

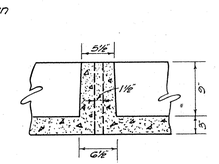
MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

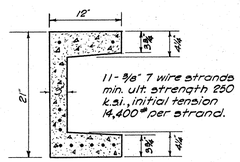
LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD



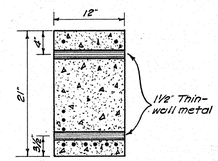
PLAN
Scale-1"=10'



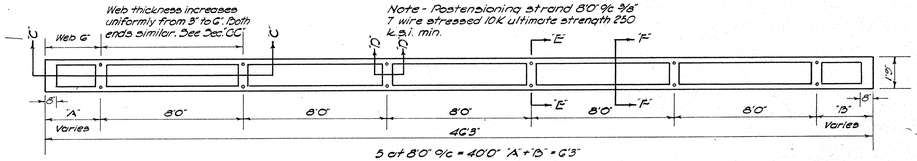
SECTION "D-D"
Scale-1"=1'0"



SECTION "F-F"
Scale-1"=1'0"

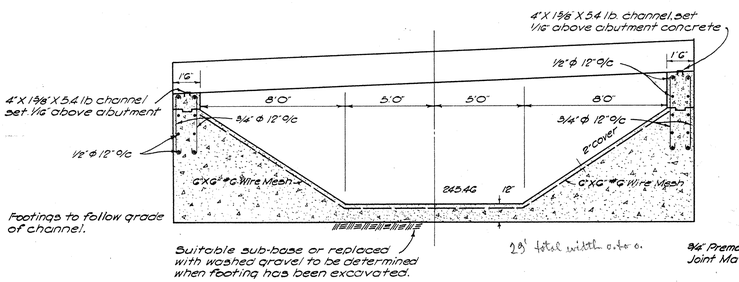


SECTION "E-E"
Scale-1"=1'0"

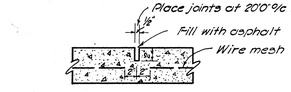


5 at 8'0" ℄ = 40'0" "A" + "B" = 6'3"

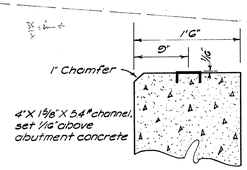
PRESTRESSED PRE-CAST BEAM
Scale-1"=4'0"



SECTION "A-A"
Scale-1"=4'

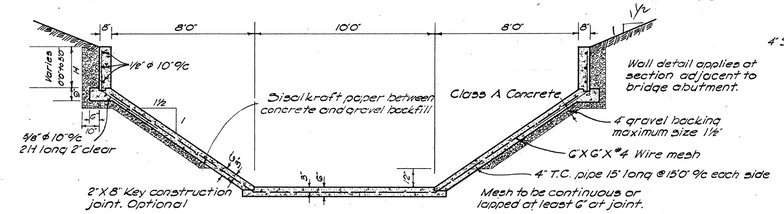


DUMMY CONTRACTION JOINT
Scale-1"=1'0"

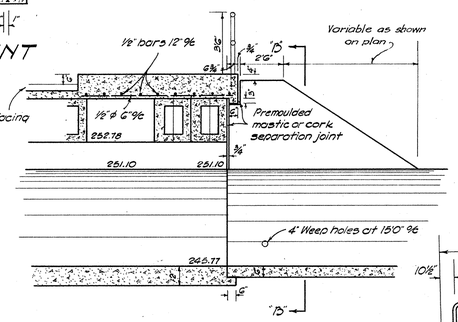


ABUTMENT BEARING DETAIL
Scale-1"=1'0"

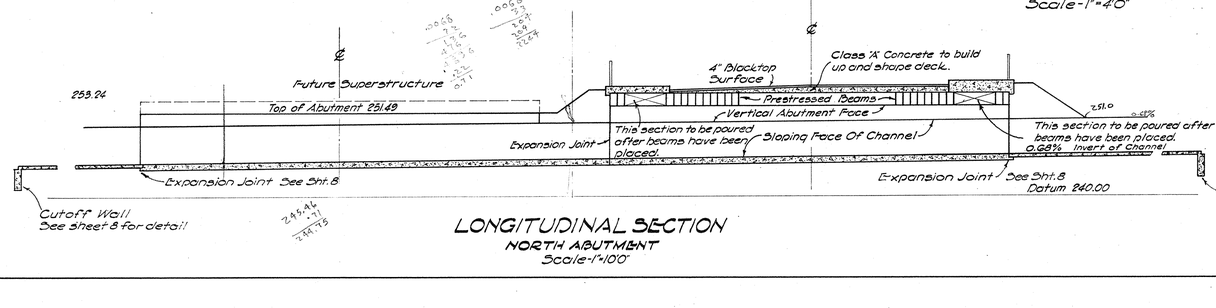
EXPANSION JOINT
Scale-1"=1'0"



PAVED CHANNEL CONSTRUCTION DETAIL - SECTION "BB"
Scale-1"=4'0"



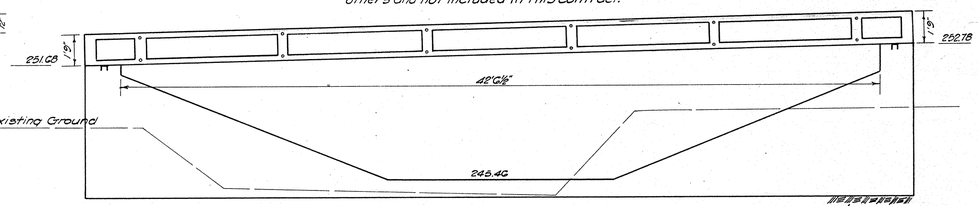
SECTION DETAIL - BEAMS & SIDEWALK
Scale-1"=4'0"



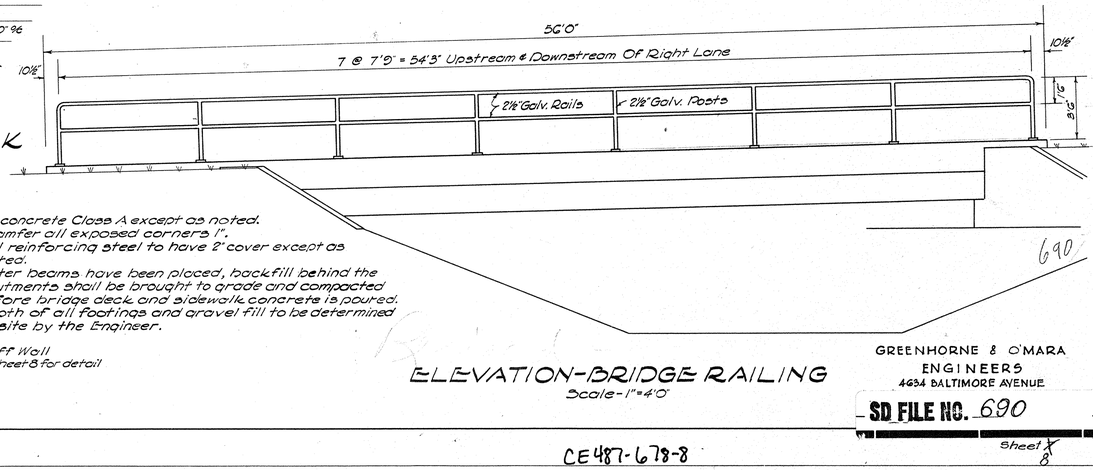
LONGITUDINAL SECTION
NORTH ABUTMENT
Scale-1"=100'

1. All concrete Class A except as noted.
2. Chamfer all exposed corners 1".
3. All reinforcing steel to have 2" cover except as noted.
4. After beams have been placed, backfill behind the abutments shall be brought to grade and compacted before bridge deck and sidewalk concrete is poured.
5. Depth of all footings and gravel fill to be determined on site by the Engineer.

Prestressed beams to be fabricated, put in place and post-tensioned laterally by others and not included in this contract.



SKEW SECTION ALONG ℄ OF EAST LANE
Scale-1"=4'0"



ELEVATION - BRIDGE RAILING
Scale-1"=4'0"

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GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE

SD FILE NO. 690

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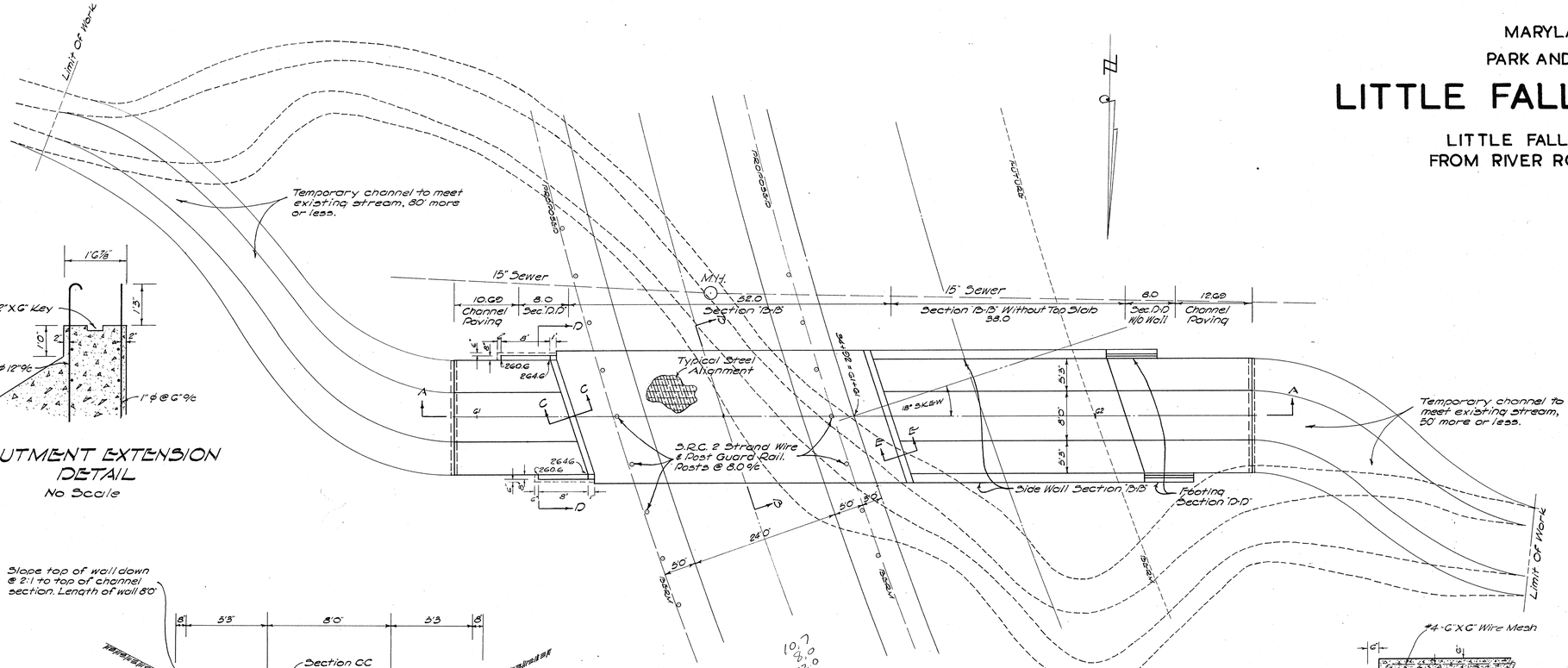
Maryland State Archives

MARYLAND NATIONAL CAPITAL
PARK AND PLANNING COMMISSION

LITTLE FALLS BRANCH PARKWAY

LITTLE FALLS BRANCH PARKWAY UNIT 2
FROM RIVER ROAD TO BRADLEY BOULEVARD



ABUTMENT EXTENSION DETAIL
No Scale

PLAN
Scale: 1"=10'

NOTE:
1. All concrete Class A except as noted.
2. Chamfer all exposed corners 1".
3. All reinforcing steel to have 2" cover except as noted.
4. Depth of all footings and gravel fill to be determined on site by the Engineer.

CUTOFF WALL DETAIL
Scale: ⅜"=1'0"

EXPANSION JOINT
Scale: 1"=1'0"

NOTE - This joint to be used between Sections B-B & D-D.

SECTION C-C
Scale: ⅜"=1'0"

SECTION D-D & CHANNEL PAVING
Scale: ¼"=1'0"

SECTION E-E
Scale: ⅜"=1'0"

SECTION B-B
PARALLEL TO ℄ OF ROAD
Scale: ¼"=1'0"

SECTION A-A
AT ℄ PROPOSED CHANNEL
Scale: 1"=100'

GREENHORNE & O'MARA
ENGINEERS
4634 BALTIMORE AVENUE
HYATTSVILLE, MARYLAND

S.D. File No. 690
WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED FOR STORM DRAINS ONLY
James A. Stapp
SENIOR DESIGNING ENGINEER

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