STRUCTURE SCHEDULE			
No.	Type	Top El.	Remarks
I-1	F-1	300.6	Std WSSC Detail
I-2	F-1	299.3	" " "
I-3	A-1	299.3	" " "
I-4	B-2	274.6	" " "
I-5	Special F	260.4	See Detail, Sheet 4
I-6	" "	261.0	" " " "
I-7	B-1	259.2	Std W.S.S.C Detail
I-8	Special F	245.8	See Detail, Sheet 4
I-9	F-1	245.9	Std W.S.S.C Detail
I-10	Special B	245.5	See Detail Sheet 5
I-11	A-1	260.3	Std W.S.S.C Detail
I-12	Special B	260.3	See Detail Sheet 5
I-13	F-1	260.1	Std. W.S.S.C Detail
I-14	Special	236.85	See Detail Sheet 8
I-15	F-1	236.35	Std W.S.S.C Detail
M-1	B-48"	296.8	" " "
M-2	B-60"	271.7	" " "
M-3	B-72"	243.4	" " "
M-4	B-48"	255.2	" " "
M-5	B-48"	265.2	" " "
W-1	Entrance Structure with flap gate See sheet 3		
W-2	" " " " " " 6		
W-3	" " " " " " 7		
W-4	Special Cut-off wall with flap gate. See sheet 10		
E-1	Entrance Structure with flap gate See sheet 9		
T-1	42"x15 Field connection		

PIPE SCHEDULE			
Dia.	Line	Lgth	ASTM Design
15"	I-1 to I-2	39'	RCSP ✓
15"	M-1 to I-4	268'	" ✓
15"	I-6 to I-5	28'	RCCP ✓
15"	I-7 to T-1	24'	" ✓
15"	I-9 to I-8	28'	" ✓
15"	I-13 to I-12	31'	" ✓
15"	I-15 to I-14	31'	" ✓
15"	E-1 to I-3	127'	RCSP ✓
18"	I-2 to I-3	26'	RCCP ✓
18"	I-3 to M-1	69'	" ✓
18"	I-4 to M-2	59'	" ✓
24"	W-3 to M-5	220'	RCSP ✓
27"	W-2 to M-5	130'	RCCP ✓
30"	M-5 to I-12	80'	" ✓
30"	M-4 to I-10	127'	" ✓
30"	I-10 to M-3	25'	" ✓
33"	I-11 to M-4	97'	RCCPX ✓
36"	I-12 to I-11	28'	" ✓
42"	M-2 to I-5	242'	RCCP ✓
42"	I-5 to I-8	309'	RCCPX ✓
48"	W-1 to M-2	228'	RCCP ✓
42"	I-8 to M-3	70'	RCCPX ✓
54"	M-3 to I-14	336.2'	RCCP ✓
48"	I-14 to W-4	130'	" ✓

S.D. # D-17, 57104-4

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED *August 27-57*
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.

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL

Date: ____________

By: ____________

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. Steps shall be provided in the channels of structures involving pipes larger than 27" in accordance with the Washington Suburban Sanitary Commission's Standard Detail.
3. Types of structures refer to the Washington Suburban Sanitary Commission's Standard Storm Drainage Details unless otherwise noted.
4. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching.

File No ____________

Sheet 1 of 10

STORM DRAIN PLAN
MARYKNOLL
MARYKNOLL AVE. & FULBRIGHT COURT
MONTGOMERY COUNTY, MARYLAND

B.F. SAUL CO.
925 15th STR., N.W.
WASHINGTON, D.C.

MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, MD.

Scale: 1" = 50'
Date: JULY 11, 1956
Design: A.Z.
Drawn: A. Zagaris

CE487-303-1

SD FILE NO. 305

Maryland State Archives

NOTE: Foundations of structures to rest on firm bearing soil

NOTE: Backfill with Bank Run gravel where original ground is below pipe.

SAGE WAY
MNCP&PC APPROVED PROFILE
NO 6118, 8-20-56

EULBRIGHT COURT
MNCP&PC APPROVED PROFILE
NO 6116, 8-20-56

TRANFORD DRIVE
MNCP&PC APPROVED PROFILE NO 6120, 8-20-56

MARYKNOLL AVENUE
MNCP&PC APPROVED PROFILE NO 6112, 8-20-1956

MARYKNOLL COURT
MNCP&PC APPROVED PROFILE NO 6114, 8-20-56

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
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 HAS 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.
CHIEF ENGINEER
THE W.S.S.C. CONSTRUCTION DIVISION SHALL BE NOTIFIED THREE DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

S.D. # D-17, 57104-7

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL

Date: _____

By: _____

File No _____

Sheet 2 of 10

B.F. SAUL CO.
925 15th STR., N.W.
WASHINGTON, D.C.

MADDOX & HOPKINS
Civil Engineers
SILVER SPRING, MD.

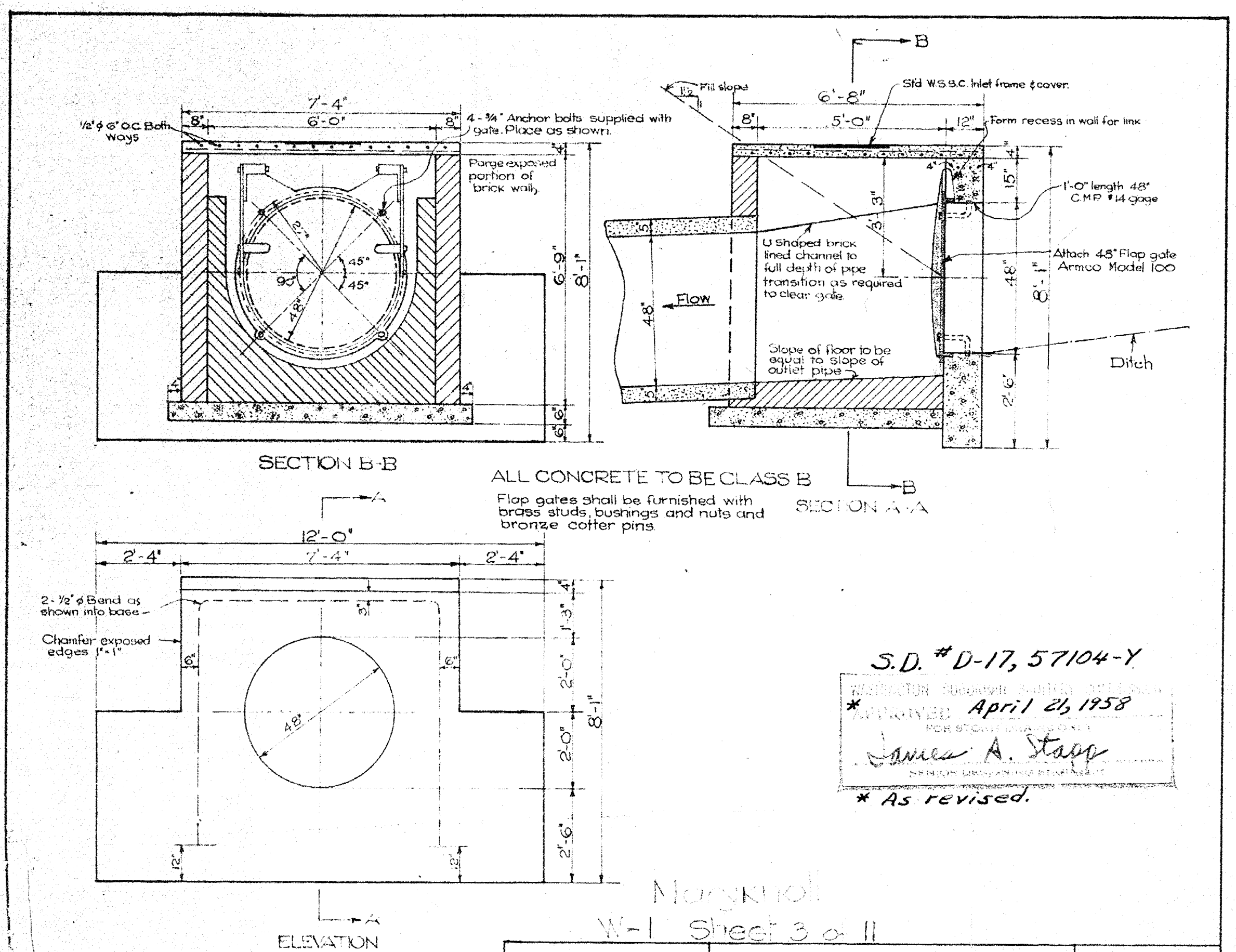
STORM DRAIN PLAN
MARYKNOLL
MARYKNOLL AVE. & FULBRIGHT COURT
MONTGOMERY COUNTY, MARYLAND

Scale: 1" = 50'/5'
Date: May 28, 1957
Design: A.Z.
Drawn: A.Zagaris

CE 487-303-2

SD FILE NO. 305

Maryland State Archives



S.D. # D-17, 57104-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
* APPROVED April 21, 1958
FOR STORM DRAINS ONLY
James A. Stapp
SENIOR DESIGNING ENGINEER

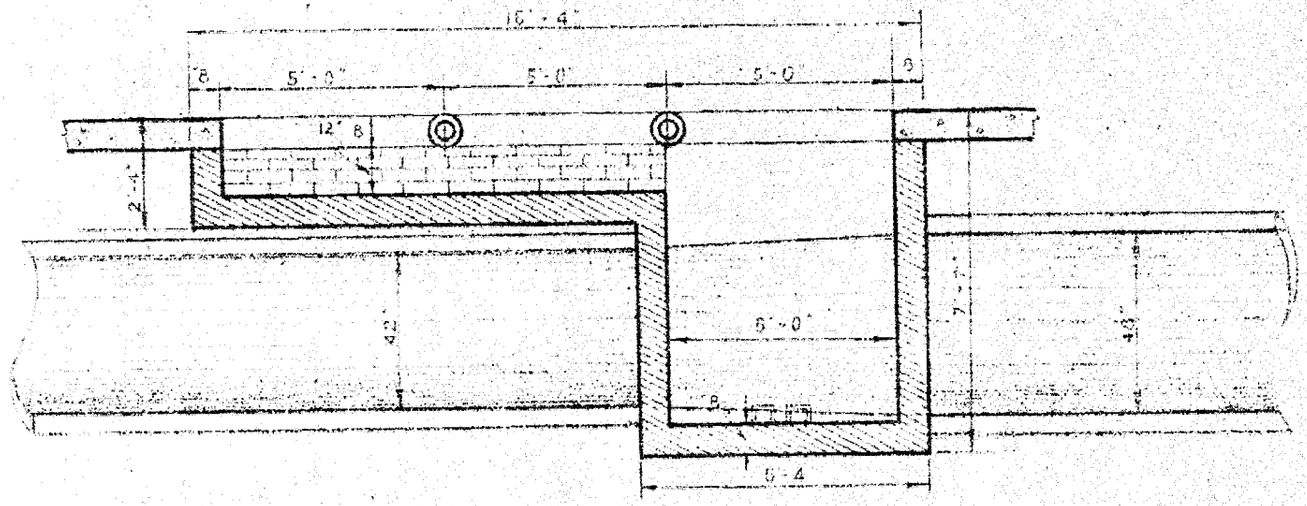
* As revised.

Marykroll
W-1 Sheet 3 of 11

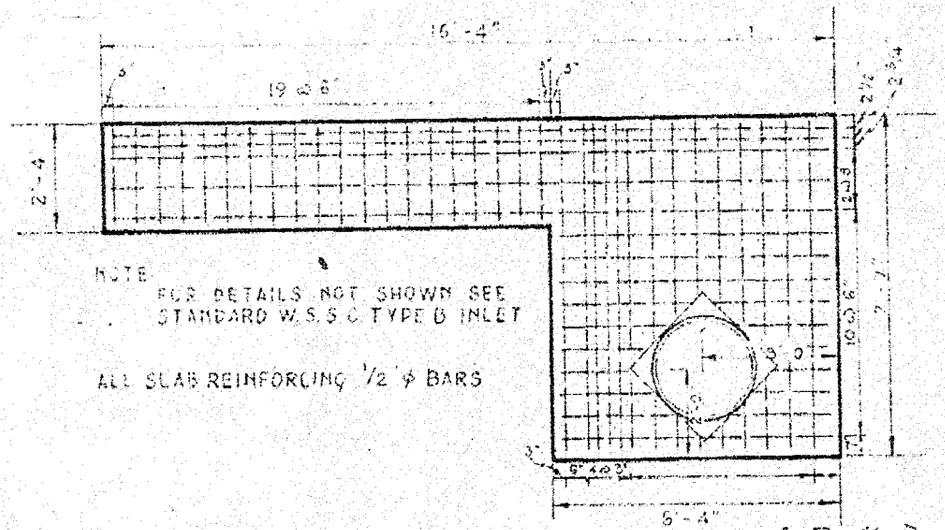
MADDOX & HOPKINS CIVIL ENGINEERS SILVER SPRING, MD.	ENTRANCE STRUCTURE WITH FLAP GATE AT ENTRANCE FOR 48" PIPE	[illegible] Date [illegible] Design Drawn A.[illegible]

CE487-303-3

Maryland State Archives



PLAN BELOW SLAB



NOTE
FOR DETAILS NOT SHOWN SEE
STANDARD W.S.S.C. TYPE B INLET

ALL SLAB REINFORCING 1/2" φ BARS

S.D. #D-17, 57104-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
[signature]
SENIOR DESIGNING ENGINEER

Maddox & Hopkins
Civil Engineers
SILVER SPRING, MD.

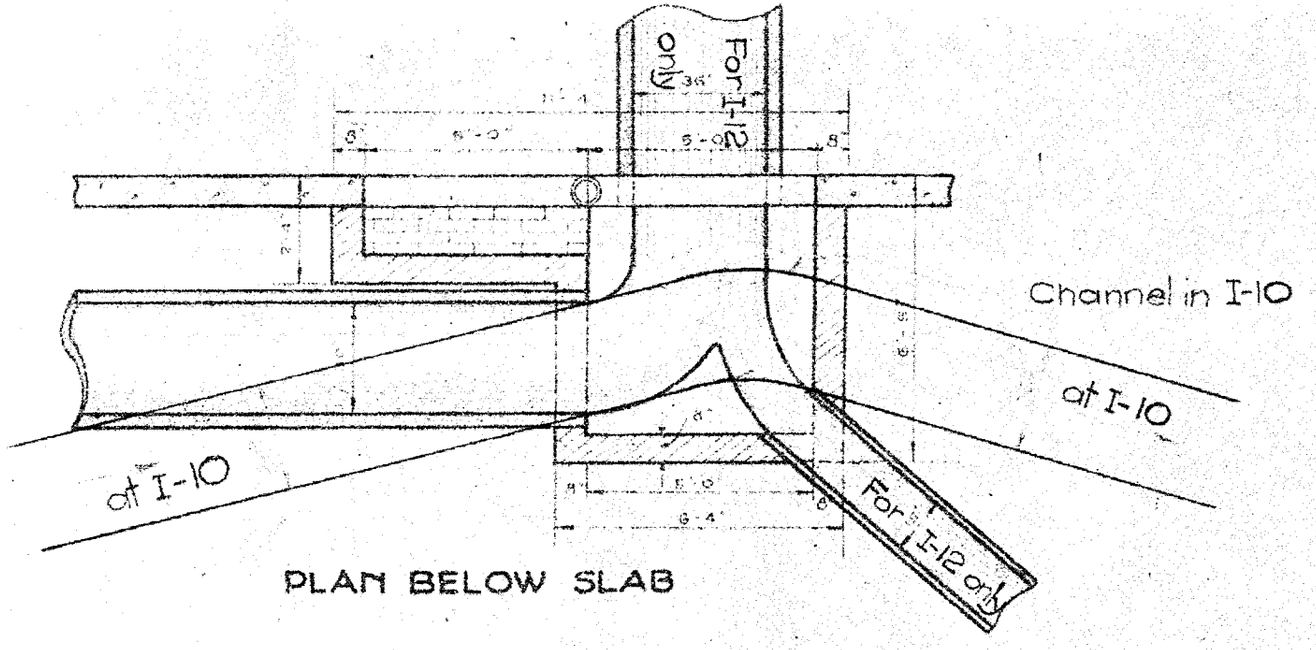
15' THROAT
SPECIAL INLET

SCALE 1/4" = 1'-0"
DATE May 31, 57
DESIGN A.Z.
DRAWN J. Rulkis

CE487-303-4

S/D 305

Maryland State Archives



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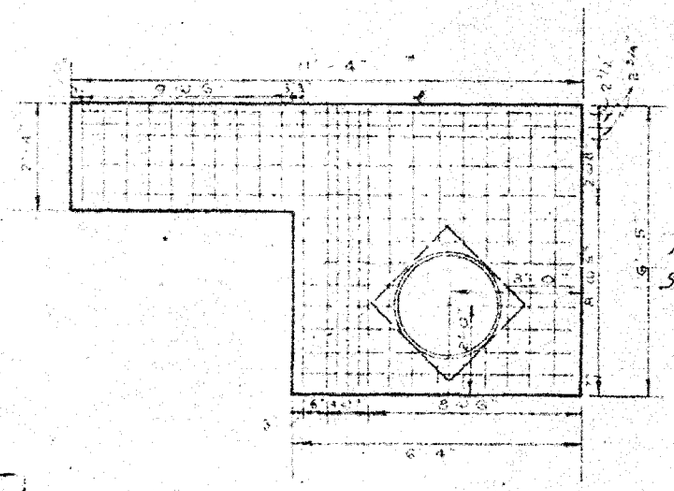


For details not shown see Std. W.S.S.C. B-inlet.

S.D. #2-19, 57104-7

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
SENIOR DESIGNING ENGINEER

I-12 5-0 5 of 11

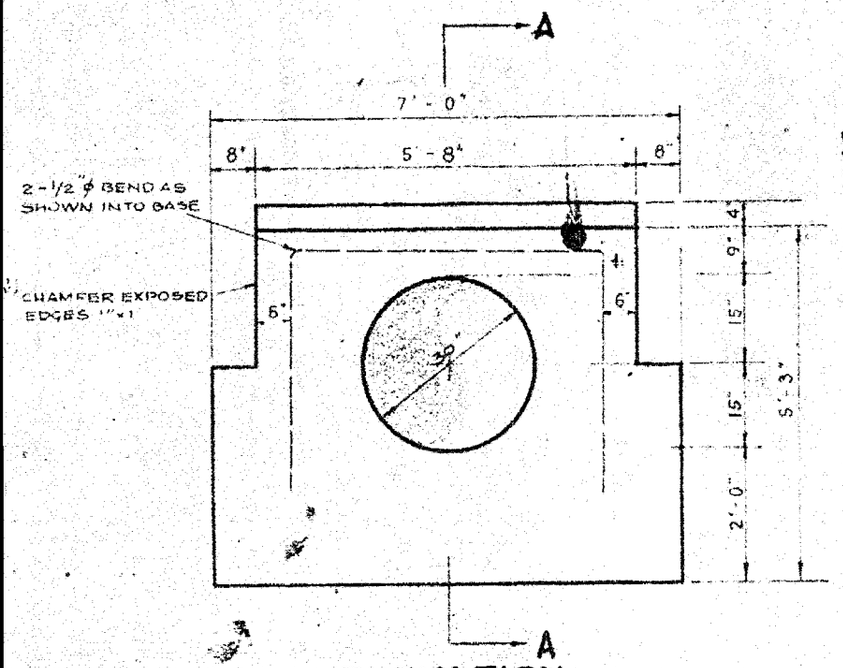
MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, MD.

10' THROAT SPECIAL INLET

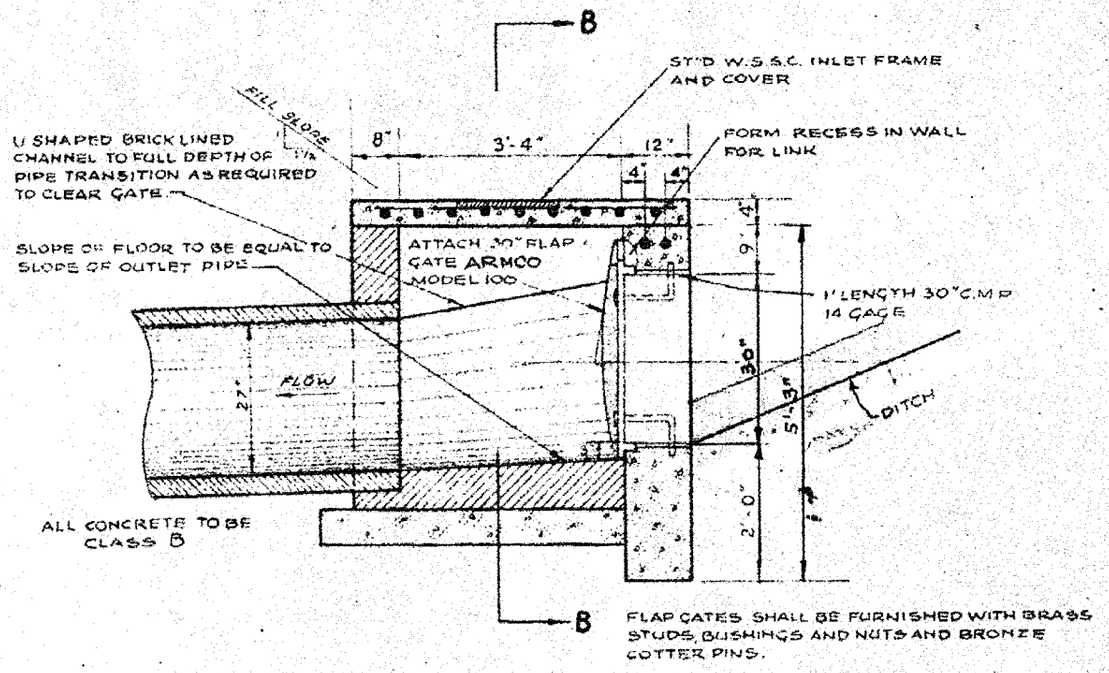
Scale 1/4" = 1'-0"
Date June 12, 1957
Design A.Z.
Drawn J.Rinkus

CE487-303-5

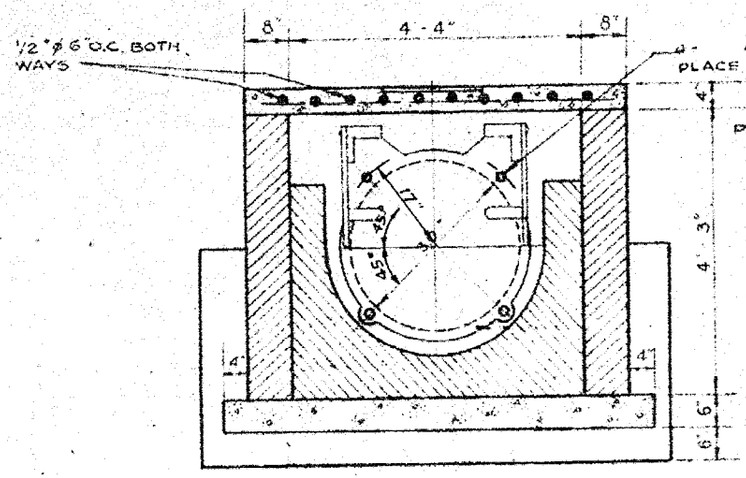
Maryland State Archives



ELEVATION



SECTION A-A



SECTION B-B

S.D. # D-17, 5710 4-1

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
Daniel A. Stern
SENIOR DESIGNING ENGINEER

W-2 Sheet 6 of 11

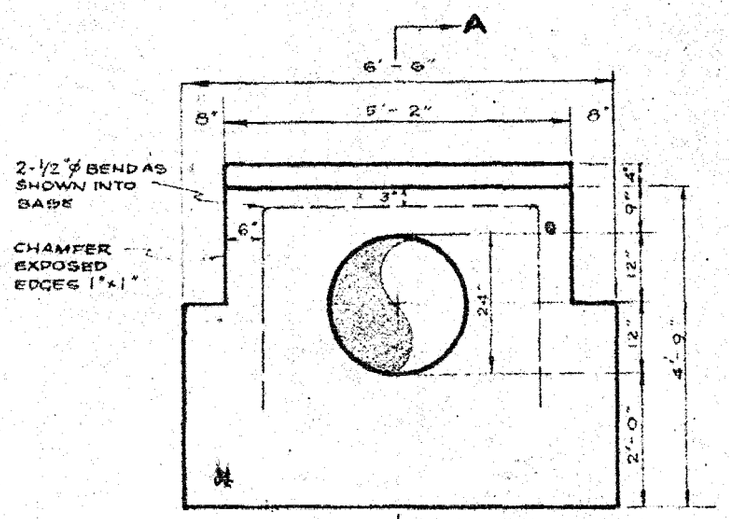
Maddox & Hopkins
Civil Engineers
SILVER SPRING, MD

ENTRANCE STRUCTURE WITH FLAP GATE AT ENTRANCE FOR 30" PIPE

SCALE: 3/8" = 1'-0"
DATE: JUNE 3rd, 1957
DESIGN: A.Z.
DRAWN: J. Rinnis

CE487-303-6

Maryland State Archives



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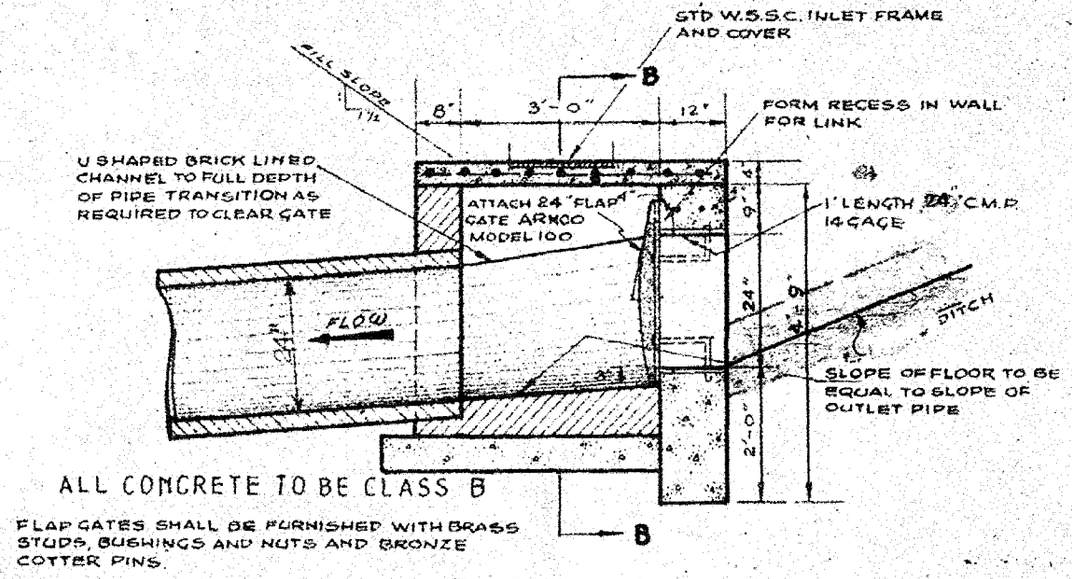
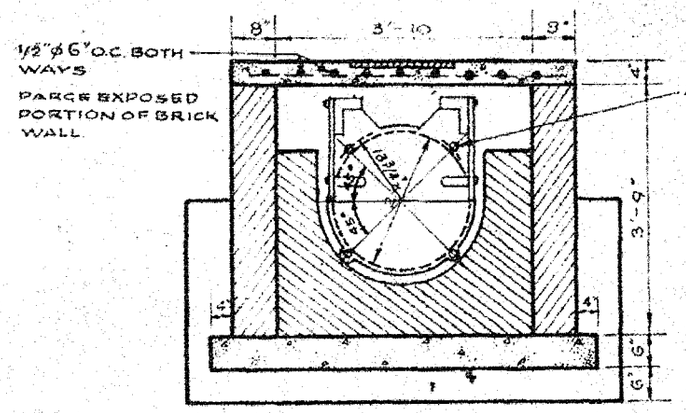


ALL CONCRETE TO BE CLASS B

FLAP GATES SHALL BE FURNISHED WITH BRASS STUDS, BUSHINGS AND NUTS AND BRONZE COTTER PINS.

SECTION A-A



SECTION B-B

S.D.#D-17, 57104-7

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 22, 57
FOR STORM DRAINS ONLY
Walter L. Stone
SENIOR DESIGNING ENGINEER

W-3 Sheet 7 of 11

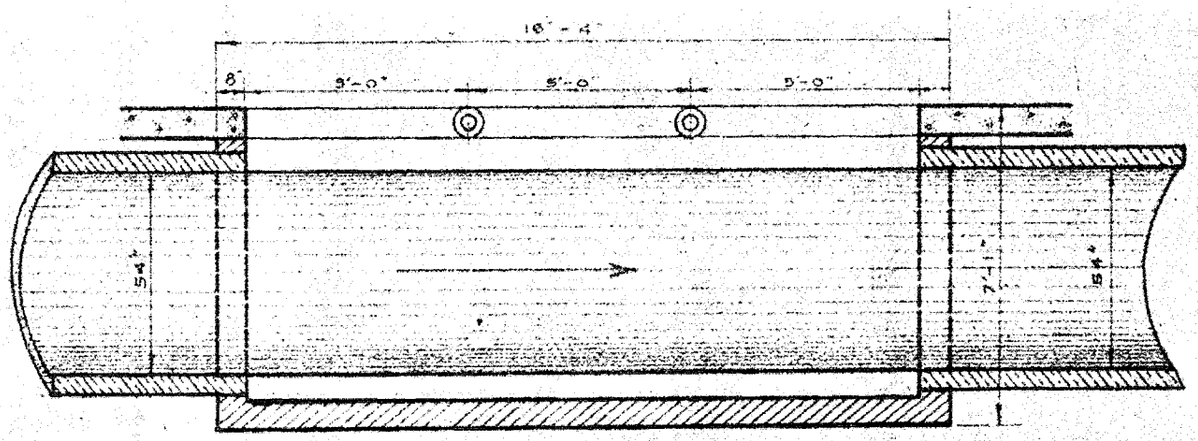
MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, Md.

ENTRANCE STRUCTURE WITH FLAP GATE AT ENTRANCE FOR 24" PIPE

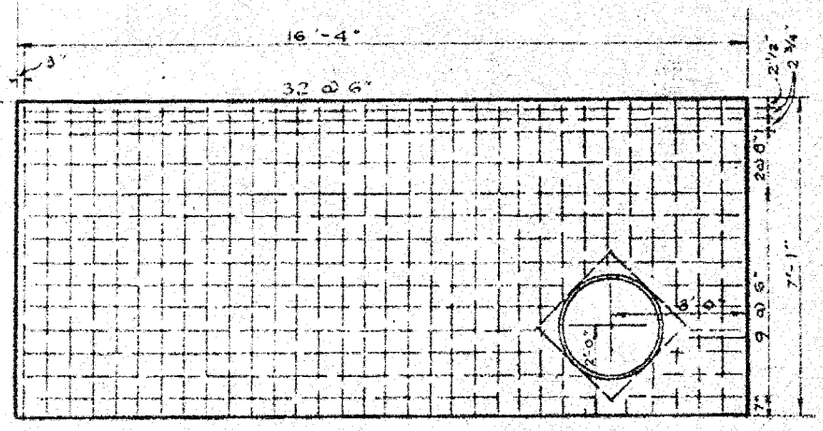
SCALE: 3/8"=1'-0"
DATE JUNE 11, 1957
DESIGN: A.Z.
DRAWN: J.R.

CE487-203-7

Maryland State Archives



PLAN BELOW SLAB



NOTE:
FOR DETAILS NOT SHOWN
SEE STANDARD W.S.S.C.
TYPE B INLET

ALL SLAB REINFORCING 1/2"ϕ BARS

S.D. # D-17, 57.104-7

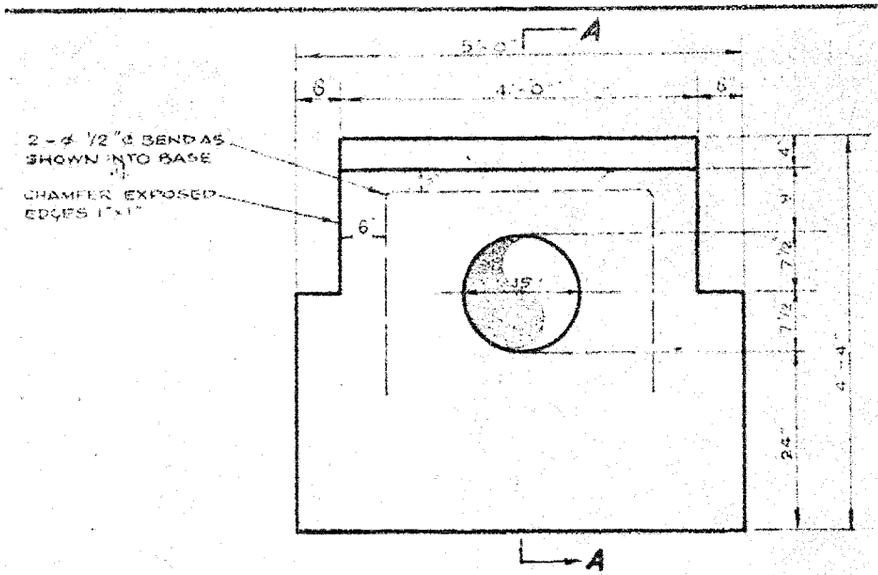
I-14 Sheet 8 of 11

MADDOX & HOPKINS CIVIL ENGINEERS SILVER SPRING, Md.	15' THROAT SPECIAL INLET	SCALE 1/4"=1'-0" DATE JUNE 12,1957 DESIGN A.E. DRAWN A.R.

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
Charles A. Stapp
SENIOR DESIGNING ENGINEER

CE487-303-8

Maryland State Archives



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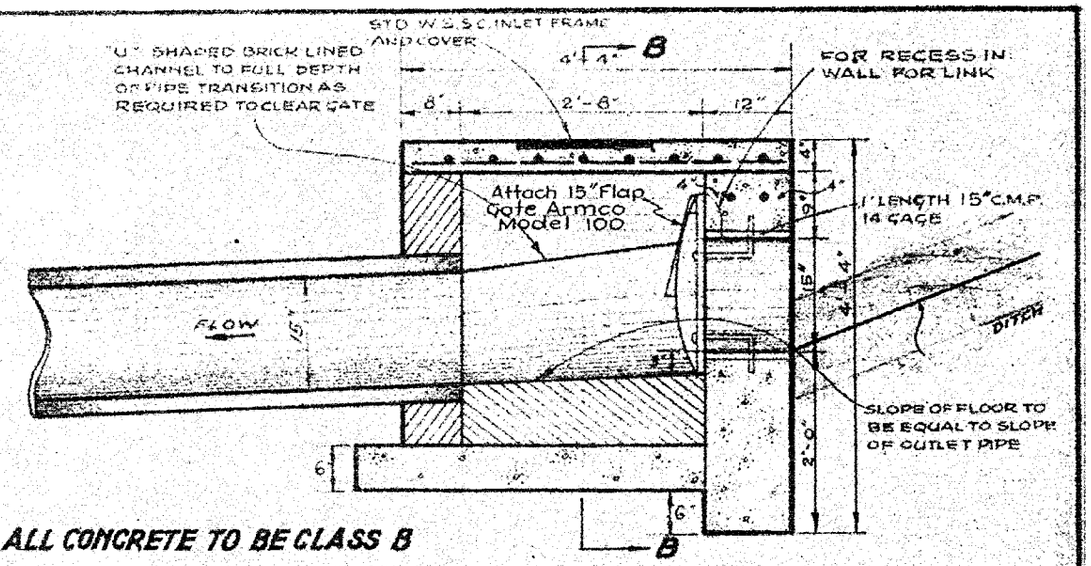
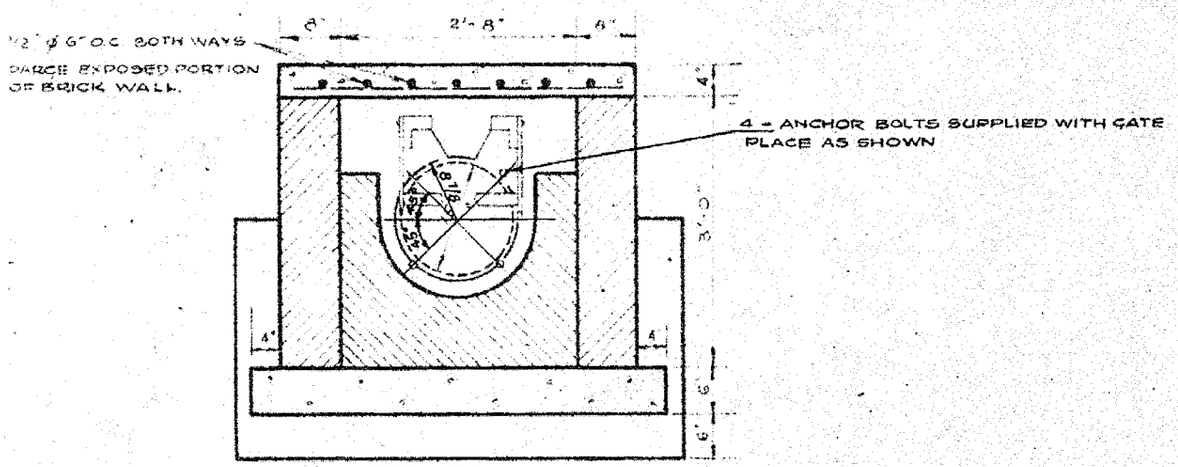


ALL CONCRETE TO BE CLASS B

FLAP GATES SHALL BE FURNISHED WITH BRASS STUDS, BUSHINGS AND NUTS AND BRONZE CUTTER PINS

SECTION A-A



SECTION B-B

S. D. # D-17, 57104-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
Senior Designing Engineer

E-1 Sheet 9 of 11

MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, Md.

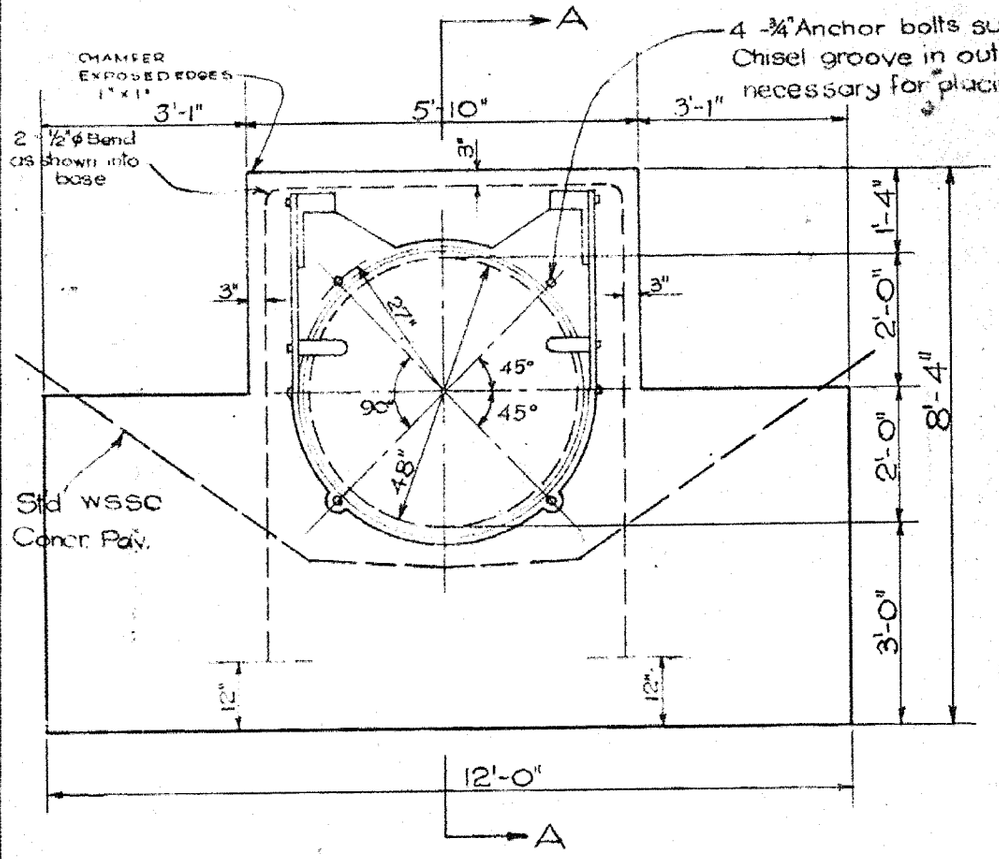
ENTRANCE STRUCTURE WITH FLAP GATE AT ENTRANCE FOR 15" PIPE

SCALE 1/2"=1'-0"
DATE JUNE 11, 1957
DESIGN A.Z.
DRAWN JR

CE487-303-9

Maryland State Archives

Note: Flap gates shall be furnished with brass studs, bushings and nuts and bronze cotter pins.



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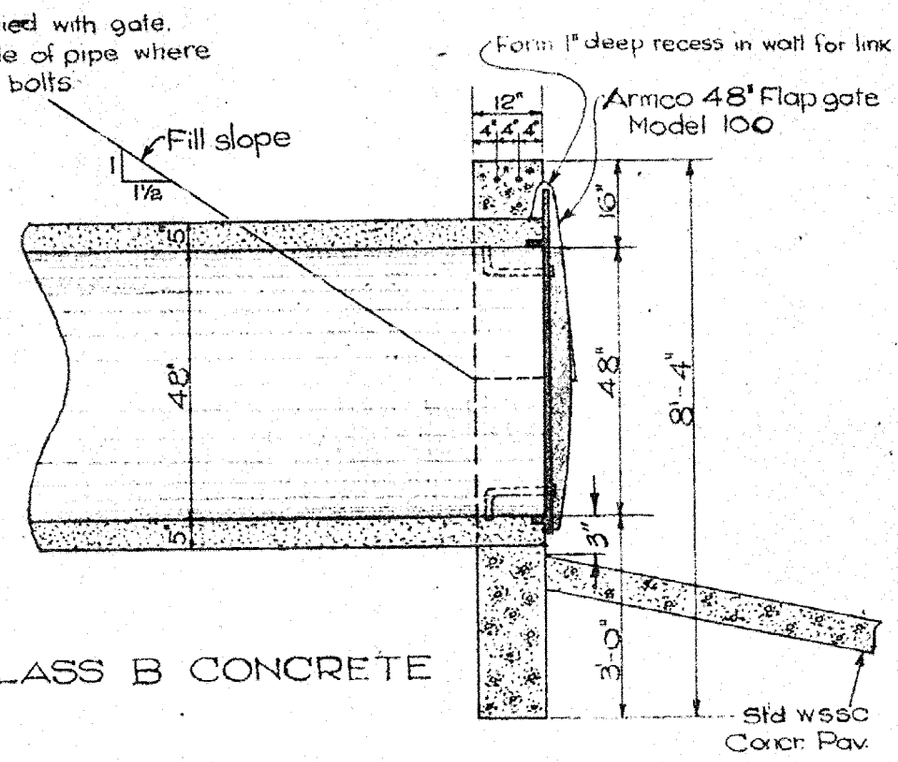


SECTION A-A

Maryknoll

W-4 Sheet 10 of 11 CE487-303-10

S.D. #D-17, 57104-Y

WASHINGTON SUBURBAN SANITARY COMMISSION
*APPROVED April 21, 1958
FOR STORM DRAINS ONLY
James A. Stapp
SENIOR DESIGNING ENGINEER
*As revised.

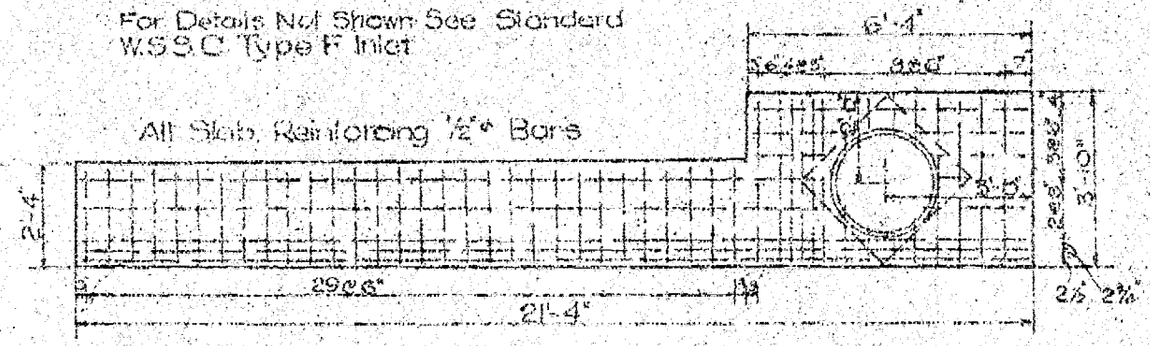
MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, MD

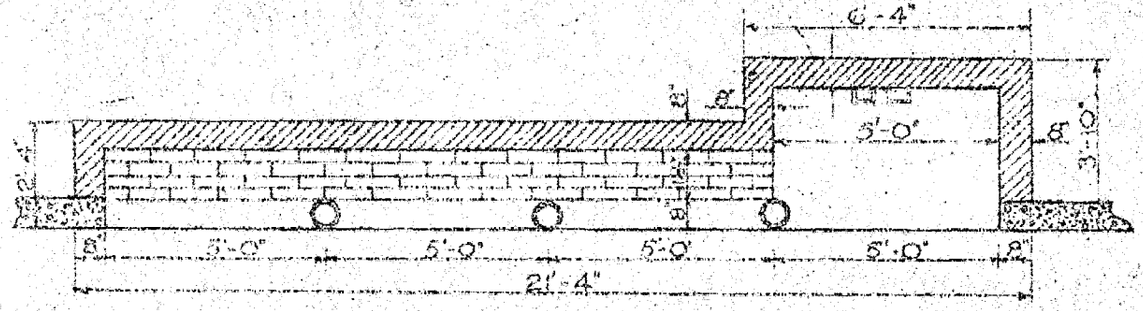
SPECIAL CUT-OFF WALL WITH FLAP GATE FOR 48" PIPE

Scale: 3/8" = 1'-0"
Date: 4-1-58
Design:
Drawn: A. Zugerg

Maryland State Archives

NOTE:
For Details Not Shown See Standard
W.S.S.C. Type F Inlet





PLAN BELOW SLAB

S. D. #D-17, 57104-7

I-6 Sheet 11 of 11

WASHINGTON SUBURBAN SANITARY COMMISSION
APPROVED August 27-57
FOR STORM DRAINS ONLY
SENIOR DESIGNING ENGINEER

MADDOX & HOPKINS
CIVIL ENGINEERS
SILVER SPRING, MD

20' THROAT SPECIAL INLET

Scale: 1/4"=1'-0"
Date: July 1957
Design:
Drawn:

CE487-303-11

Maryland State Archives