

Number	Drainage Area		Possible Ultimate Flows				
	Acres	Pop. Density	Dom. Peak	Dom. Peak	Dom. Peak	Peak	
A	3220	18600	5.7	1.37	4.30	0.82	5.02
B	2665	18635	7.0	1.40	4.20	0.67	4.87
C	5725	17255	10.1	4.44	10.70	1.46	12.16
D	11780	76505	10.6	7.23	16.00	2.95	18.95
E	4240	44760	10.6	3.38	6.75	1.48	10.10
F	1620	141465	8.0	10.61	22.20	4.38	26.58
G	2115	16090	8.0	1.27	3.90	0.44	4.34
H	1885	158885	8.4	11.08	24.50	4.82	29.32
I	180	800	4.0	0.06	0.24	0.09	0.33
J	17015	159155	11.4	11.44	24.40	4.71	29.11
K	6830	6830	9.5	0.44	1.45	0.27	1.72
L	1507	165685	12.6	12.68	25.50	5.18	30.68
M	1843	1843	3.00	3.00	8.00	2.00	10.00
N	1843	1843	3.00	3.00	8.00	2.00	10.00
O	1843	1843	3.00	3.00	8.00	2.00	10.00
P	1843	1843	3.00	3.00	8.00	2.00	10.00
Q	1843	1843	3.00	3.00	8.00	2.00	10.00
R	1843	1843	3.00	3.00	8.00	2.00	10.00
S	1843	1843	3.00	3.00	8.00	2.00	10.00
T	1843	1843	3.00	3.00	8.00	2.00	10.00
U	1843	1843	3.00	3.00	8.00	2.00	10.00
V	1843	1843	3.00	3.00	8.00	2.00	10.00
W	1843	1843	3.00	3.00	8.00	2.00	10.00
X	1843	1843	3.00	3.00	8.00	2.00	10.00
Y	1843	1843	3.00	3.00	8.00	2.00	10.00
Z	1843	1843	3.00	3.00	8.00	2.00	10.00

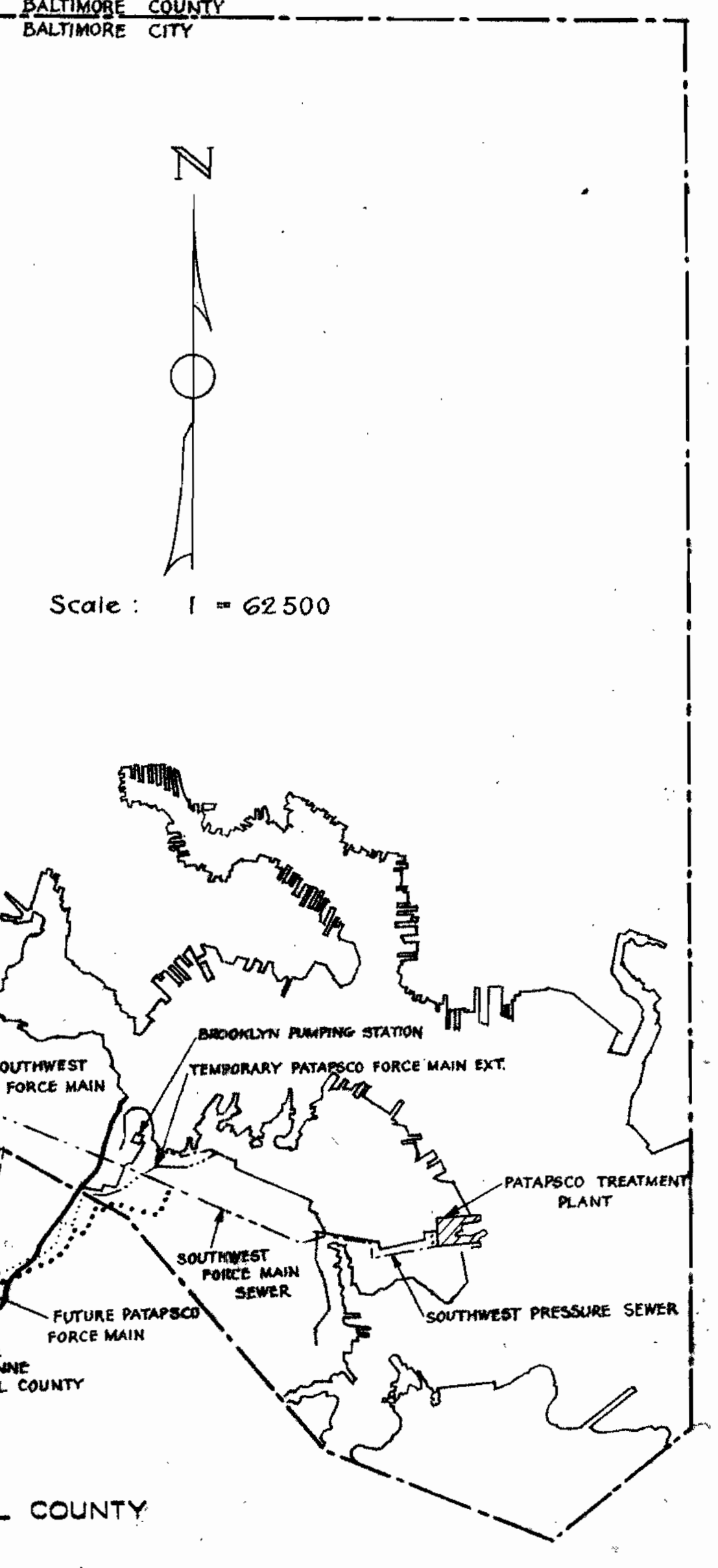
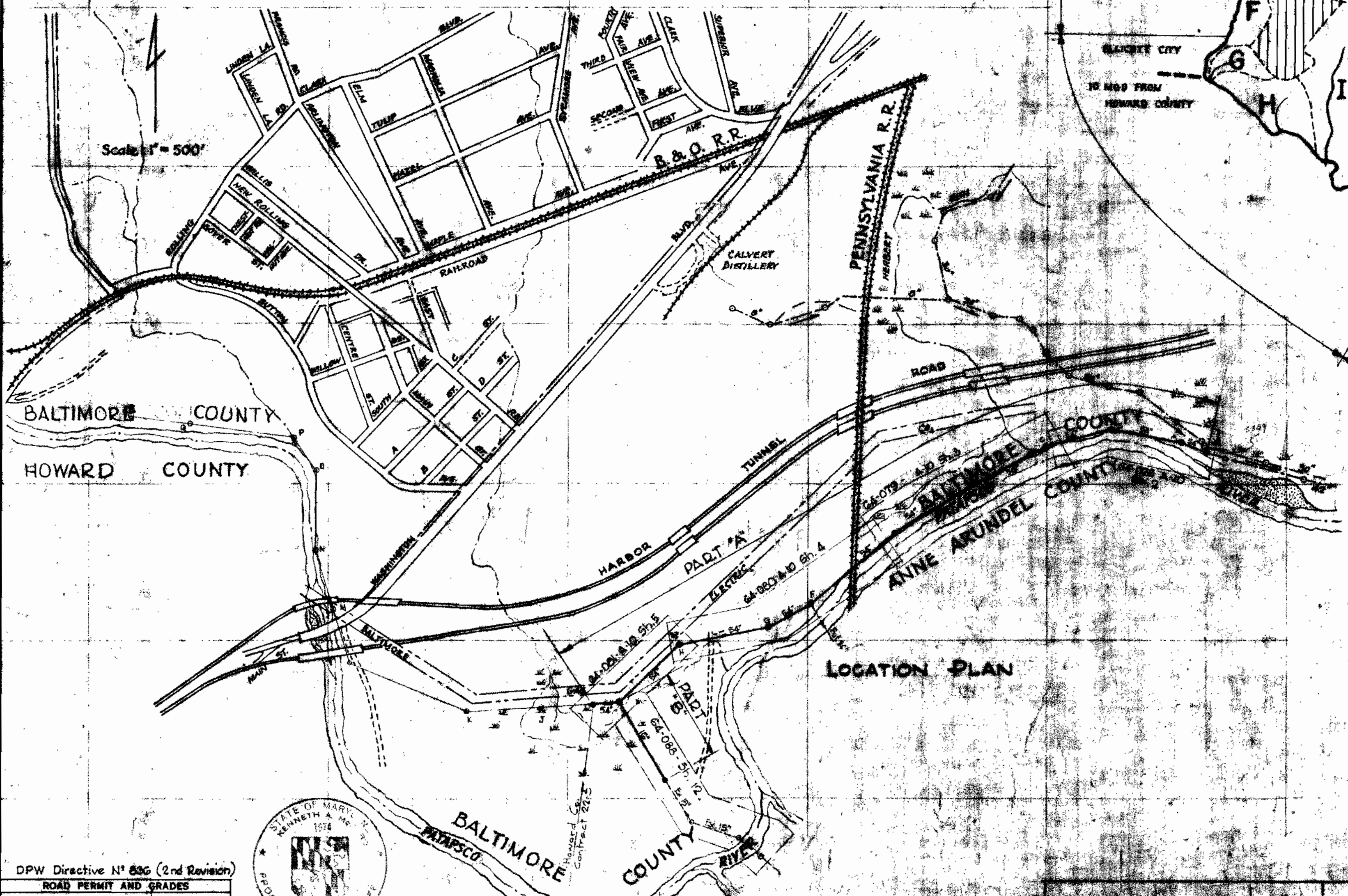
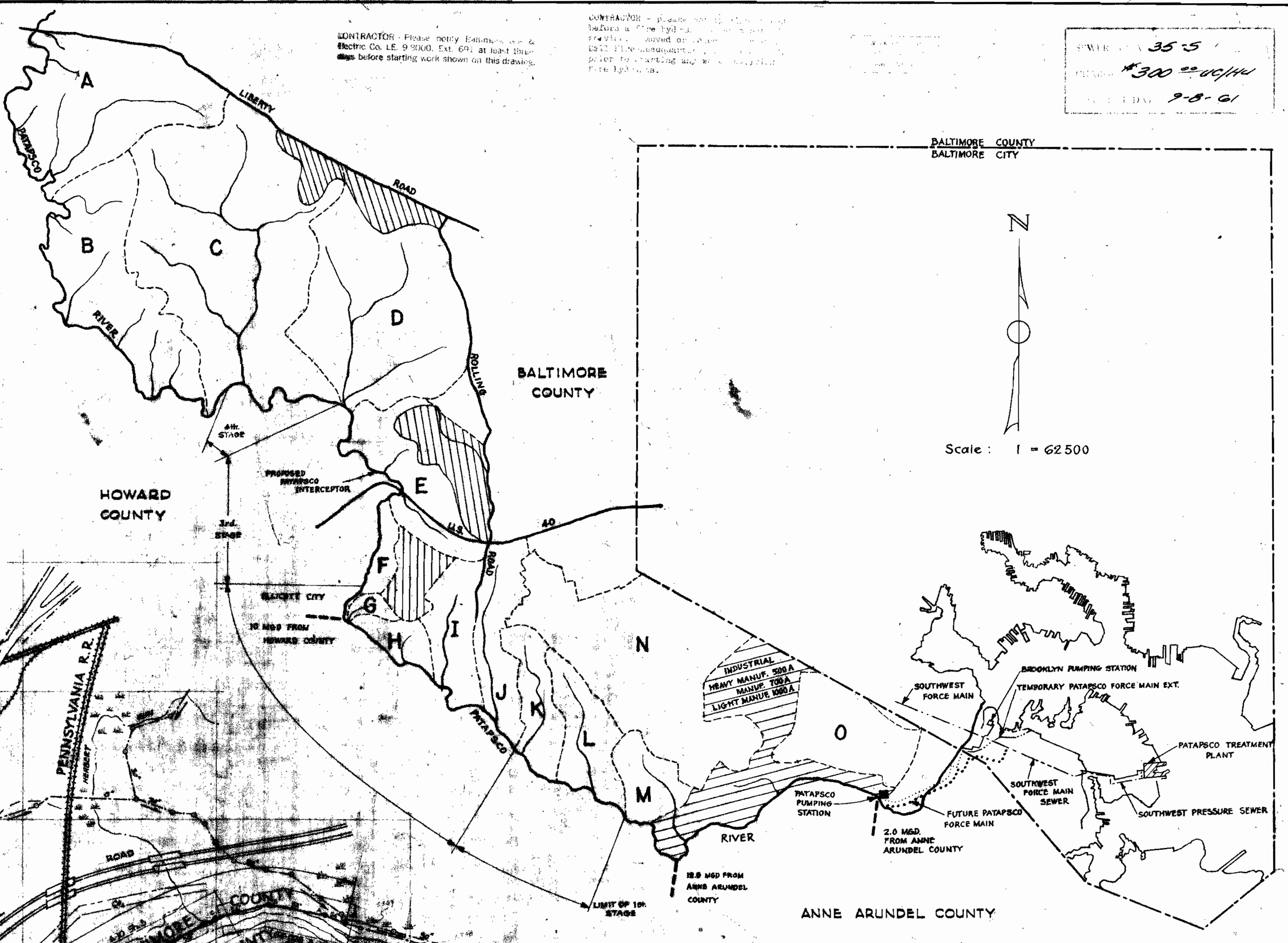
A permit is required before cutting or trimming any part of any tree on the right-of-way of a Public or County Road. Violators will be prosecuted. For permits call the District Forester's Office, Bel Air, Maryland.

Obstructions shown on this drawing are for the convenience of the Contractor only. The County does not warrant or guarantee the correctness or the completeness of the information given. The Contractor must verify all such information to his own satisfaction.

THE OUTSIDE OF ALL MANHOLES SHALL BE PROVIDED WITH A COATING OF WATERPROOF BITUMASTIC COMPOUND, SIMILAR TO INERTOL OR APPROVED EQUAL FROM THE BASE OF MANHOLE TO THE UNDERSIDE OF THE FRAME COVER

CONNECTION OF THE SEWER TO THE EXISTING SYSTEM SHALL NOT BE MADE UNTIL FINAL INSPECTION AND INFILTRATION TEST HAS BEEN SUCCESSFULLY COMPLETED

* Flow from Report of July 1947 - Report of Design and Recommendations for the Patapsco River Intersecting Sewer - Baltimore County, Md. by William A. Goff, Inc.
 ** Break down of Design Flow estimated by B.C.B.E.
 *** Design Flow: 12.0 m.g.d. from Robert T. Ragsdale's Report of 1956.
 **** Estimated steady flow (Infiltration & Inflow) by B.C.B.E.



- GENERAL NOTES**
- All pipe elevations shown are invert elevations.
 - For other standard details, see Baltimore County Standard Details.
 - Manholes noted, all manholes to be Type "C" and shall have 18" walls throughout; tops to be set 1'0" above finished grade.
 - Manhole #2553 to be standard Type "A".
 - Manholes on 54" sewers to have 30" frames & covers, or 36" water tight frames & covers if noted.
 - See General Structural Notes, see sheet No. 9, Drwg. 64-085 A-10.
 - Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately. For Log of Borings, see Sheet No. 11, Drwg. 64-087 A-10.

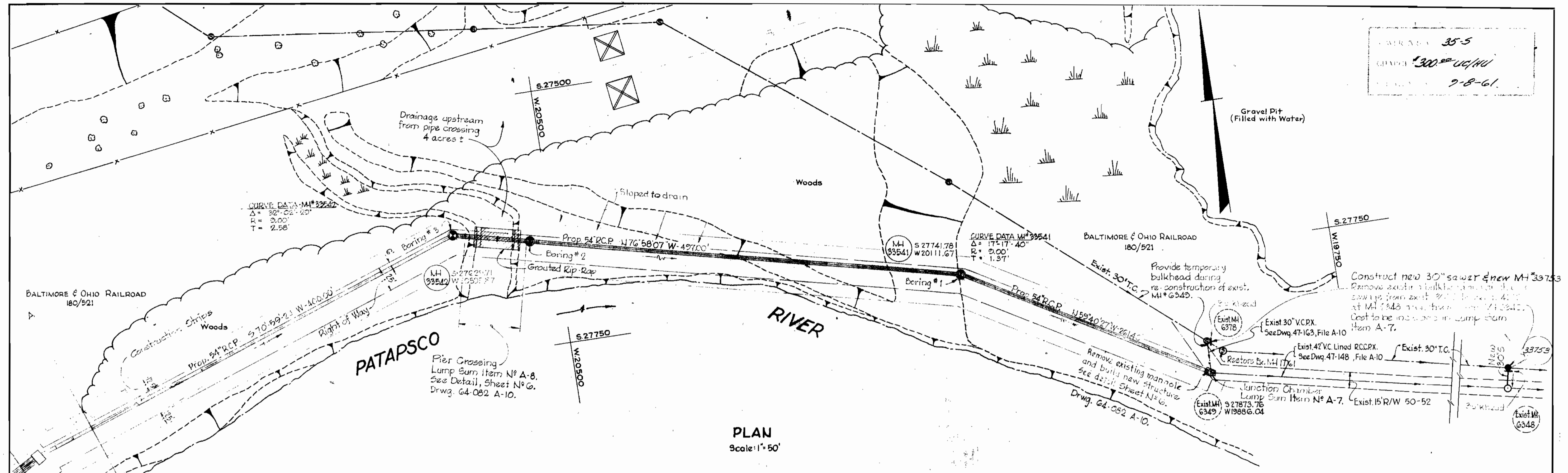
- BENCH MARKS**
- BM # 2605 Elev. 25.120
Set plus in E of curb S.E. side of Washington Blvd. N.E. end of bridge over Pennsylvania Railroad.
 - BM # 2874 Elev. 15.580
Bench mark in N. corner base plate, N. pier of Tower No. 292, second Tower S.W. of Pennsylvania Railroad.

DPW Directive No. 63C (2nd Revision)
 ROAD PERMIT AND GRADES
 PERMIT REQUESTED
 PERMIT NUMBER
 GRADE ESTABLISHED
 PROFILE NUMBER
 DATE RIGHT OF WAY REF.
 ENGINEER
 DESIGNED
 DRAWN
 CHECKED
 DATE

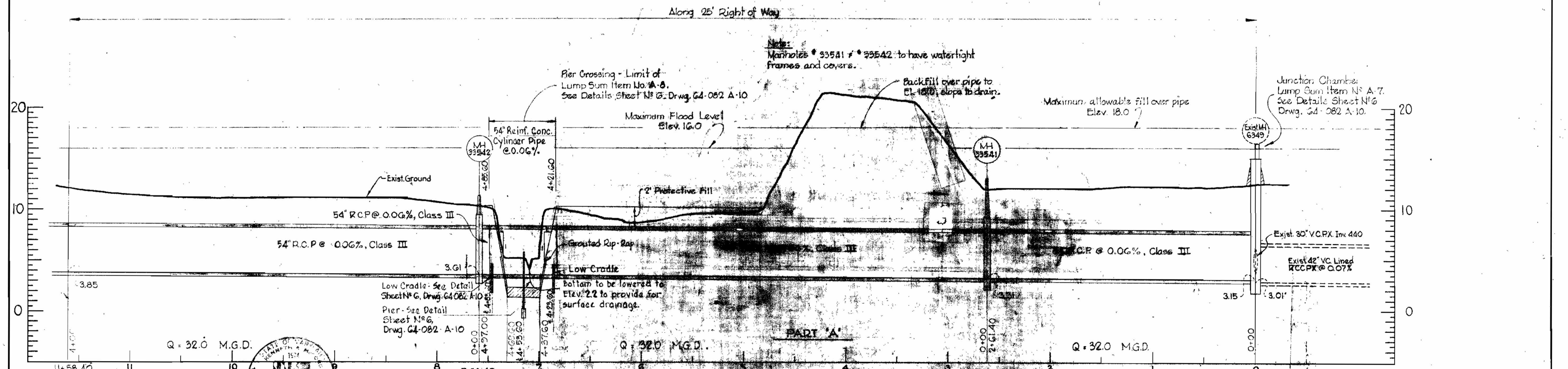
DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 APPROVED
 DIRECTOR & CHIEF SANITARY ENGINEER
 DATE

CONTRACT NO. 745
 HOWARD COUNTY METROPOLITAN COMMISSION
 WHITMAN REQUARDT & ASSOCIATES
 ENGINEERS
 1304 ST. PAUL ST.
 BALTIMORE, MARYLAND
 DRAWING COMPLETED 10/20/64
 SCALE AS SHOWN
 KEY SHEET C-N.W.
 SHEET NO. 4
 POSITION SHEET OF 13
 J.O. 1-20-1
 64-077
 FILE A-10

COVER AREA 35-5
 GRADE 30" V.C.P. / H.U.
 7-8-61



PLAN
 Scale: 1" = 50'



DPW Directive No 836 (2nd Revision) ROAD PERMIT AND GRADES PERMIT REQUESTED PERMIT NUMBER GRADE ESTABLISHED PROFILE NUMBER		DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING APPROVED: <i>[Signature]</i> DIRECTOR & CHIEF SANITARY ENGINEER DATE: 4/6/61		CONTRACT NO. 749 HOWARD COUNTY METROPOLITAN COMMISSION WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND		10-14-64 34" SEWER LOWERED 1.0' DATE REVISION BY E.A.M. DRAWING COMPLETED Feb 23, 1961	
DATE RIGHT OF WAY REF. R/W 63-106	ENGINEER REG. NO. 1774 DESIGNED E.W.R.J.R. DRAWN E.W.R.J.R. CHECKED DATE 4/2/61	APPROVED: <i>[Signature]</i> CHIEF DATE 4/3/61	STORM DRAINS WATER SEWER SANITARY STREET LIGHTS PUBLIC UTILITIES	PATAPSCO INTERCEPTOR HERBERT RUN TO STILLHOUSE RUN ELECT. DIST. NO. 13		SCALE AS SHOWN	KEY SHEET NO. 2 POSITION SHEET NO. 28 SW 14 OF 13 SHEETS J.O. 1-20-1 NO. 64-078 FILE: A-10

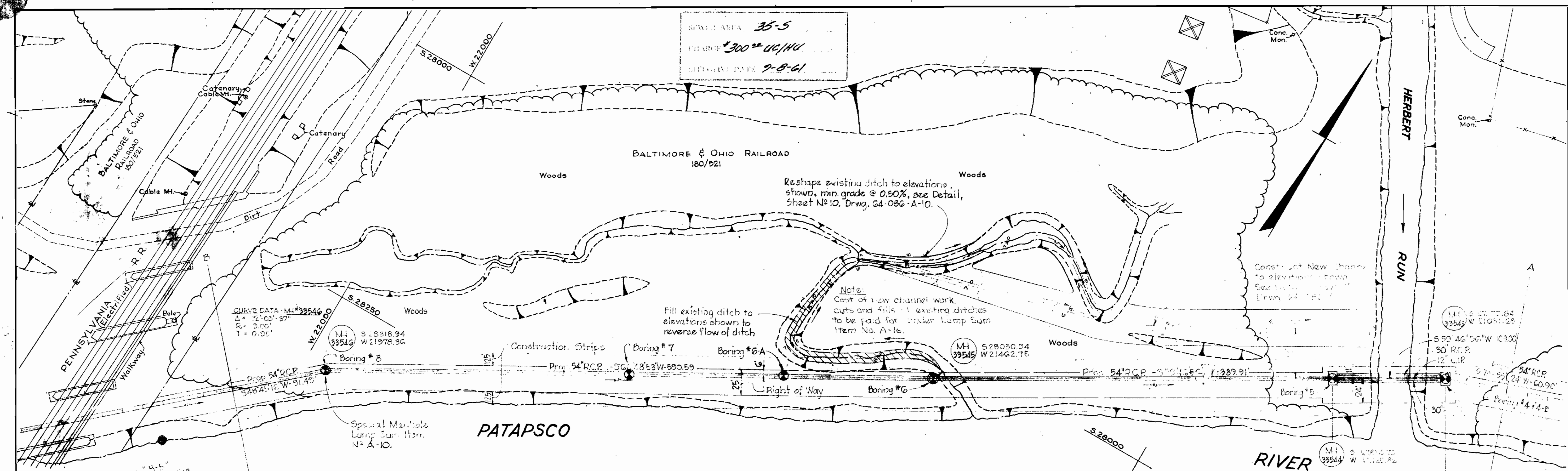
WO. 4068-2

AS BUILT 23 AUG. 65

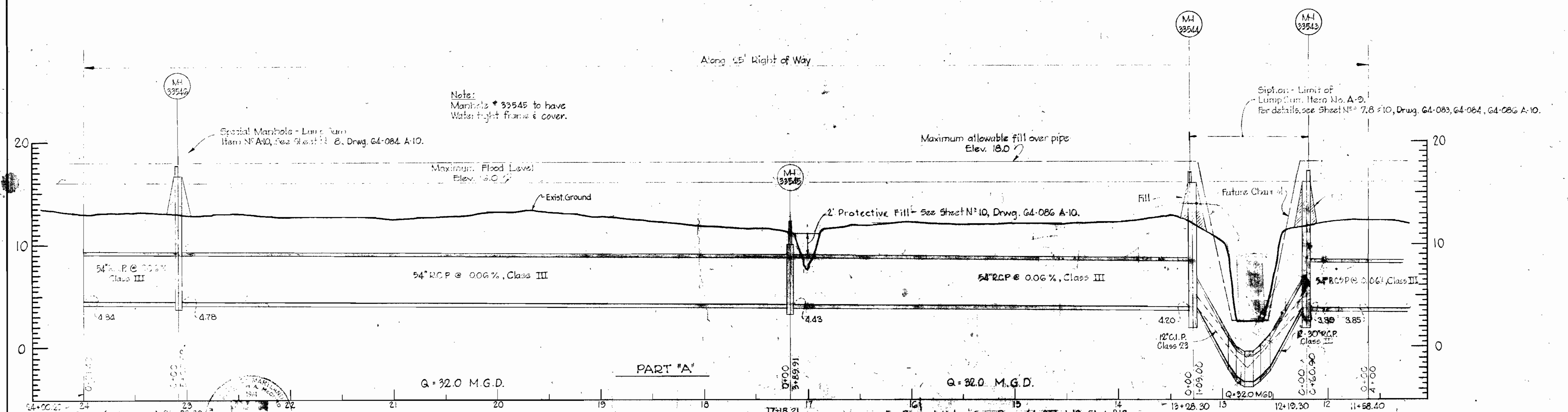
Planfile 4 Pocket 11 Folder 2

WS 745/2

SEWER AREA 35-5
 CLEARANCE 300" @ 11/10
 DEFLECTIVE DATE 7-8-61



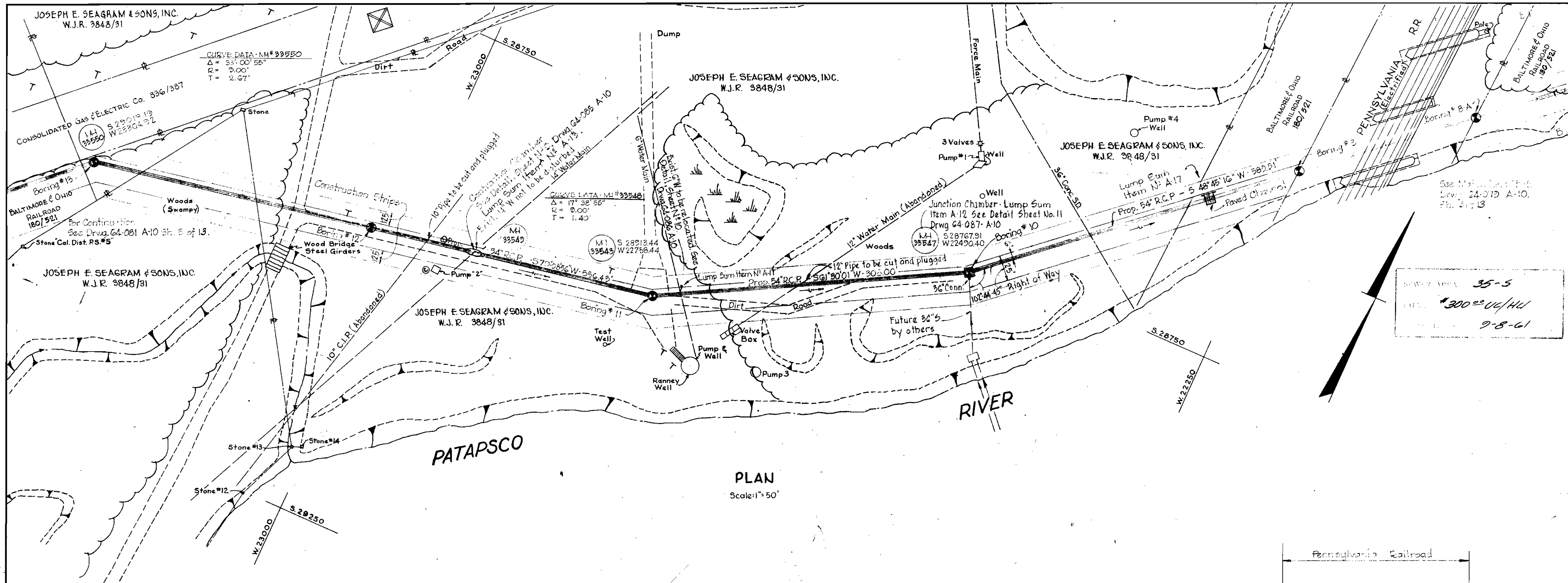
PLAN
 Scale: 1"=50'



PROFILE
 Scale: Horiz: 1"=50'
 Vert: 1"=5'

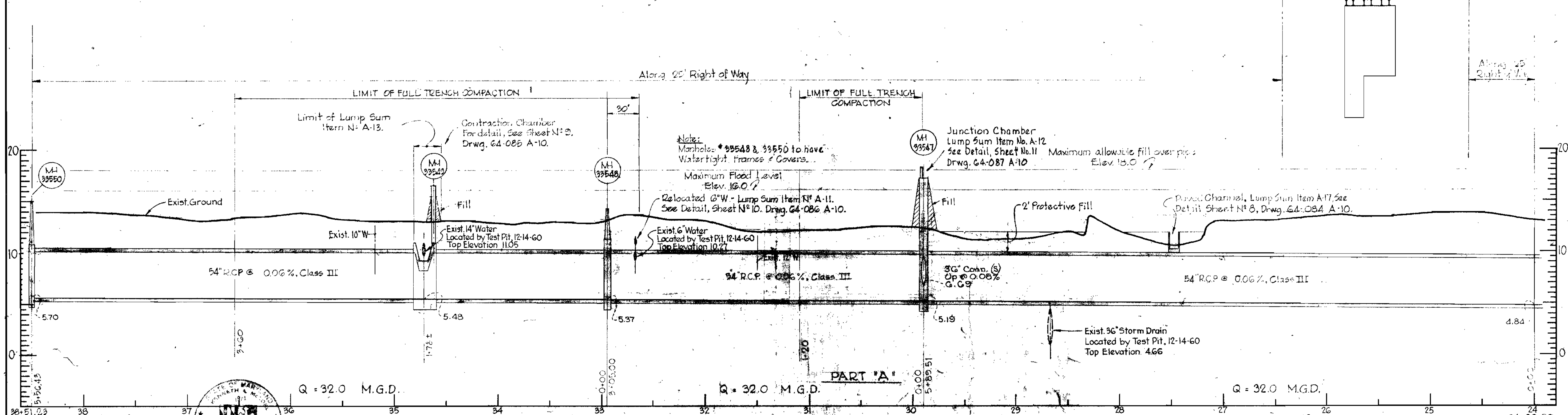
DPW Directive No. 836 (2nd Revision) ROAD PERMIT AND GRADES PERMIT REQUESTED PERMIT NUMBER GRADE ESTABLISHED PROFILE NUMBER		DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING APPROVED: [Signature] DIRECTOR & CHIEF SANITARY ENGINEER		CONTRACT NO. 74S HOWARD COUNTY METROPOLITAN COMMISSION BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING		WHITMAN REQUARD & ASSOCIATES ENGINEER 1304 ST. PAUL ST. BALTIMORE, MARYLAND		DATE: 4/2/64 CHIEF ENGINEER		SCALE: AS SHOWN KEY SHEET NO. 3 POSITION SHEET NO. 13 SHEET NO. 1-20-1 FILE: 64-079-A-10	
DATE: 4/2/64 RIGHT OF WAY REF: B/W 63-106 ENGINEER: [Signature]		DESIGNED: F.W.R./J.B. DRAWN: F.W.R./J.B. CHECKED: [Signature]		DATE: 4/2/64 APPROVED: [Signature] CHIEF		DATE: 4/2/64 APPROVED: [Signature]		DATE: 4/2/64 APPROVED: [Signature]		DATE: 4/2/64 APPROVED: [Signature]	

WS 745/3



PLAN
Scale: 1" = 50'

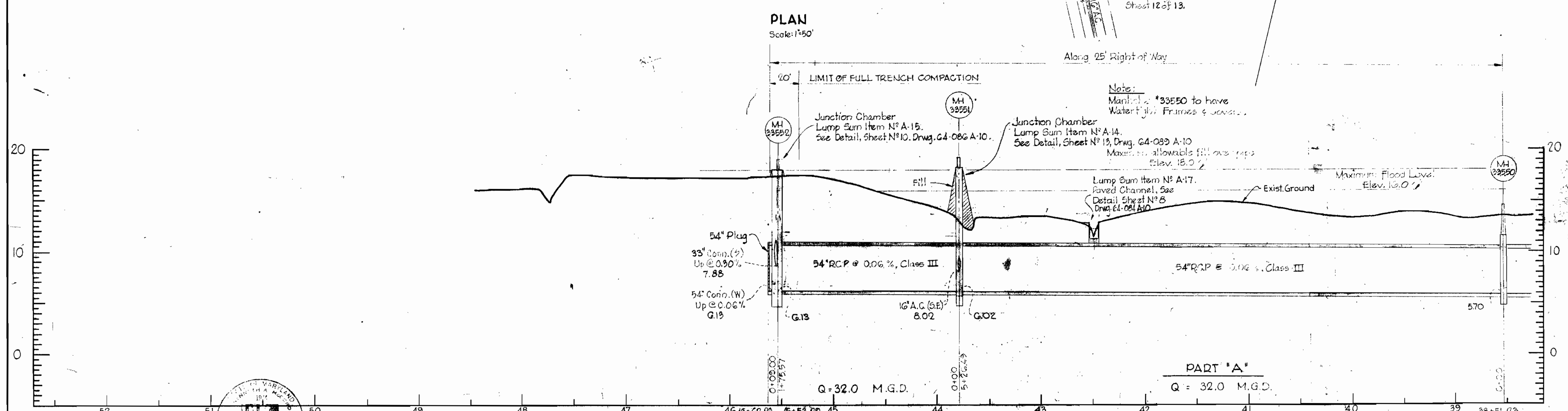
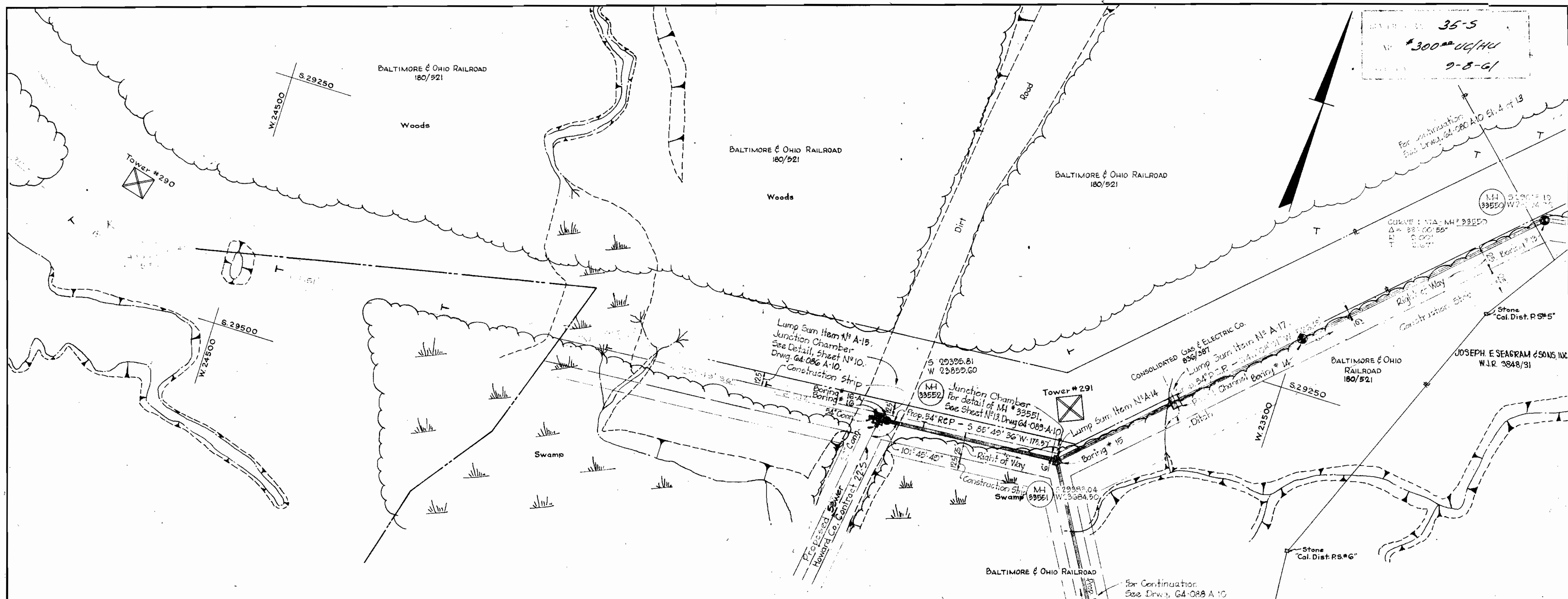
35-5
300' U/H
9-8-61



PROFILE
Scale: Vert: 1" = 5'
Horiz: 1" = 50'

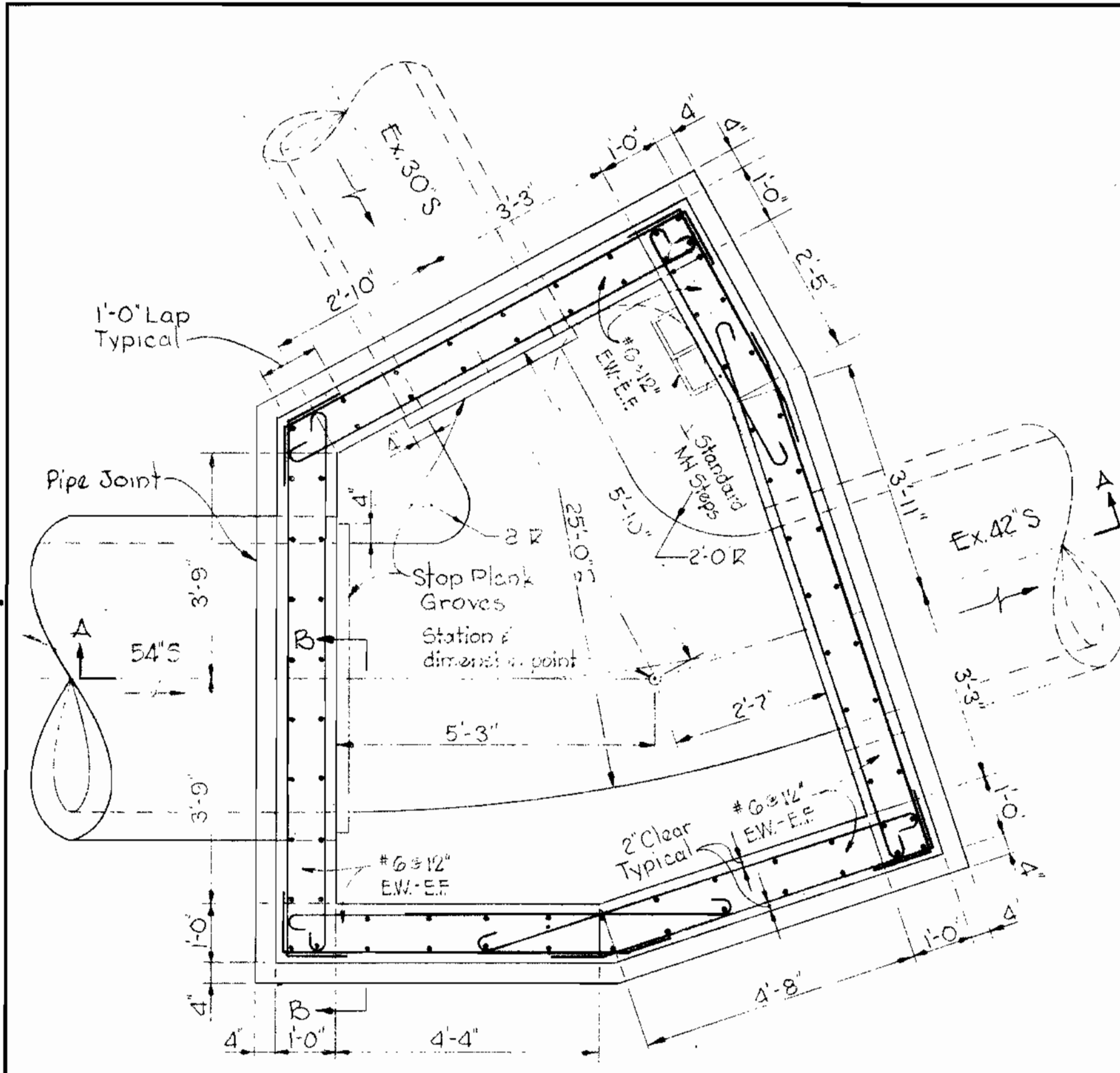
DRW Directive N° 836 (2nd Revision) ROAD PERMIT AND GRADES PERMIT REQUESTED PERMIT NUMBER GRADE ESTABLISHED PROFILE NUMBER		DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING STORM DRAINS WATER SEWER HIGHWAYS STRUCT. USES FIELD LOCATIONS		CONTRACT NO. 74S HOWARD COUNTY METROPOLITAN COMMISSION DATE CHIEF ENGINEER		WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST BALTIMORE, MARYLAND		KEY SHEET NO. 4 POSITION SHEET 29 & 30 SWIG OF 13	
DATE RIGHT OF WAY REF. ENGINEER REG. NO. DATE		DESIGNED F.W.R./JR DRAWN F.W.R./JR CHECKED DATE		APPROVED DIRECTOR & CHIEF SANITARY ENGINEER DATE		APPROVED CHIEF DATE		SCALE AS SHOWN J.O. 1-20-1 64-080 FILE: A-10 AS BUILT 23 AUG 65	

WS 74514

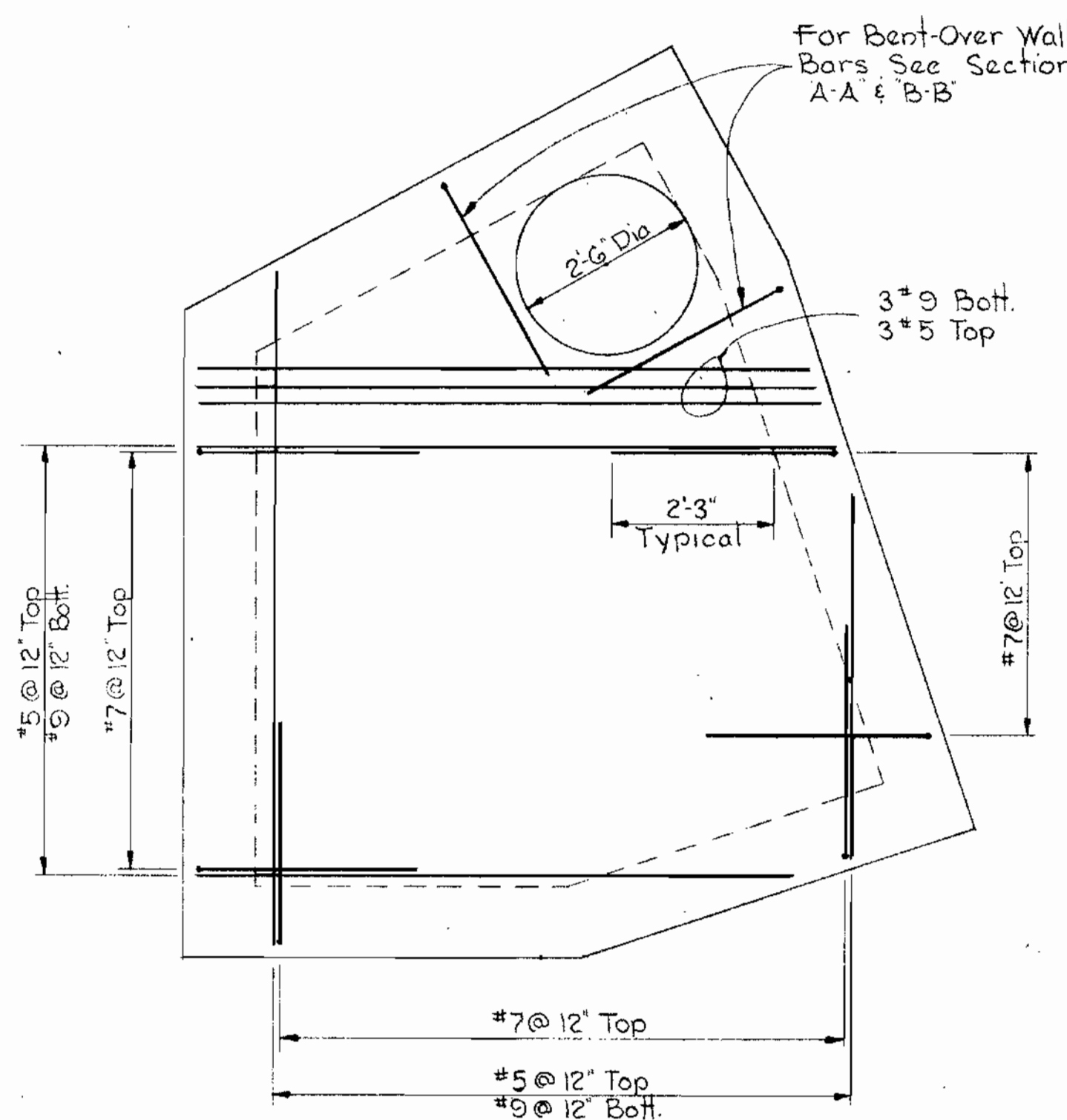


DPW Directive N ^o 836 (2nd Revision) ROAD PERMIT AND GRADES PERMIT REQUESTED PERMIT NUMBER GRADE ESTABLISHED PROFILE NUMBER		ENGINEER REG. NO. DATE		DESIGNED F.W.R. DRAWN F.W.R. CHECKED		DEPARTMENT OF PUBLIC WORKS APPROVED DATE		BUREAU OF ENGINEERING APPROVED DATE		STORM DRAINS WATER SEWER HIGHWAYS STRUCTURES FIELD LOCATION		CONTRACT NO. 74S HOWARD COUNTY METROPOLITAN COMMISSION DATE CHIEF ENGINEER BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING ST. DENNIS		WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND DATE CHIEF ENGINEER		KEY SHEET C-NW POSITION SHEET 30 SW16&17 NO. 5 OF 13 J.O. 1-20-1 64-081 FILE: A-10	
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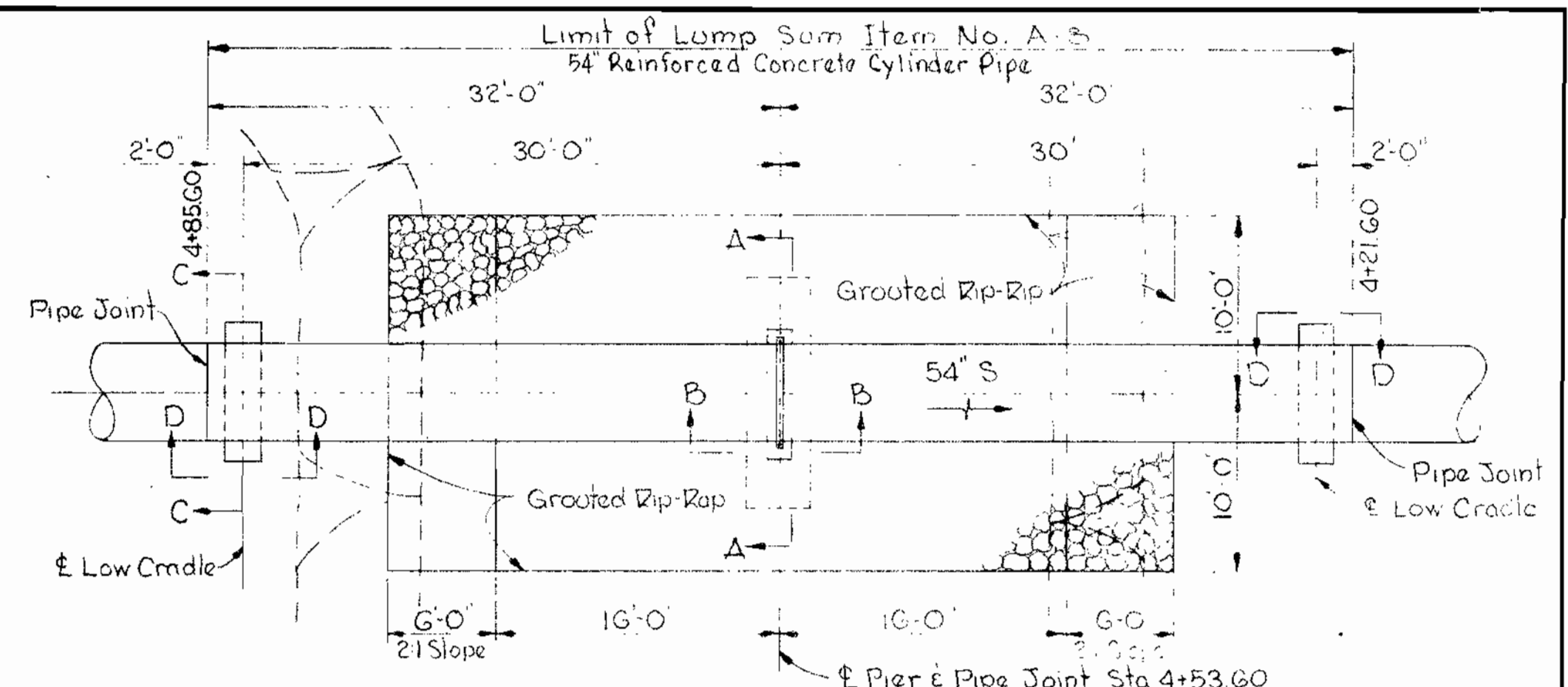
WS 74515



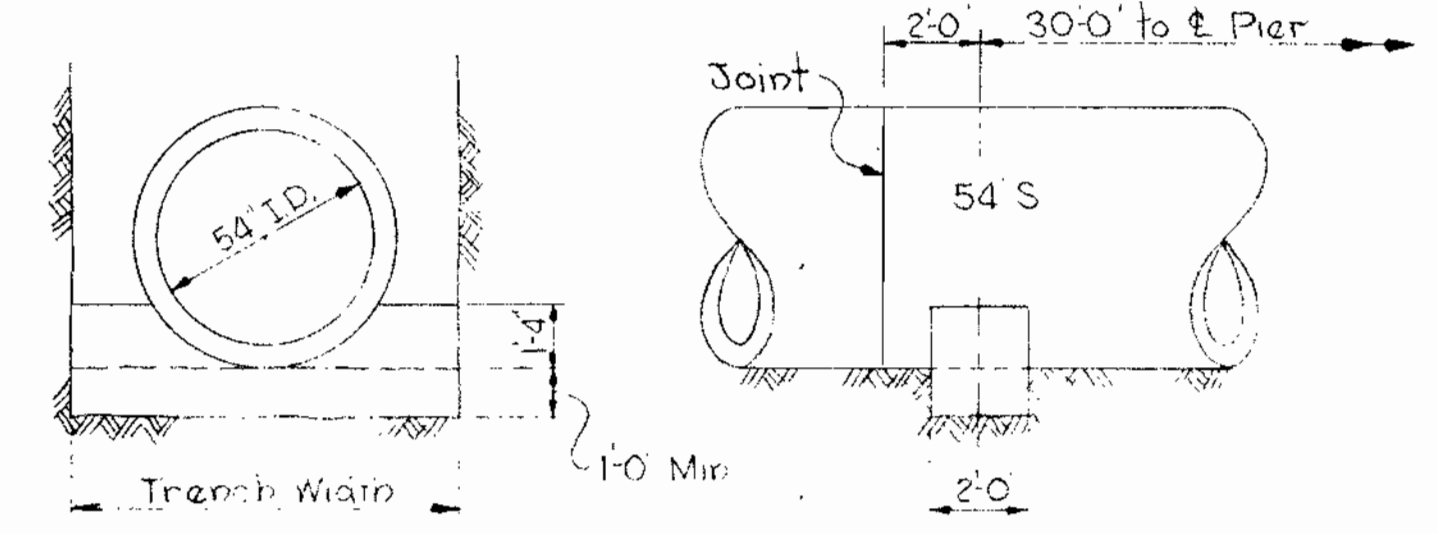
PLAN



TOP SLAB PLAN

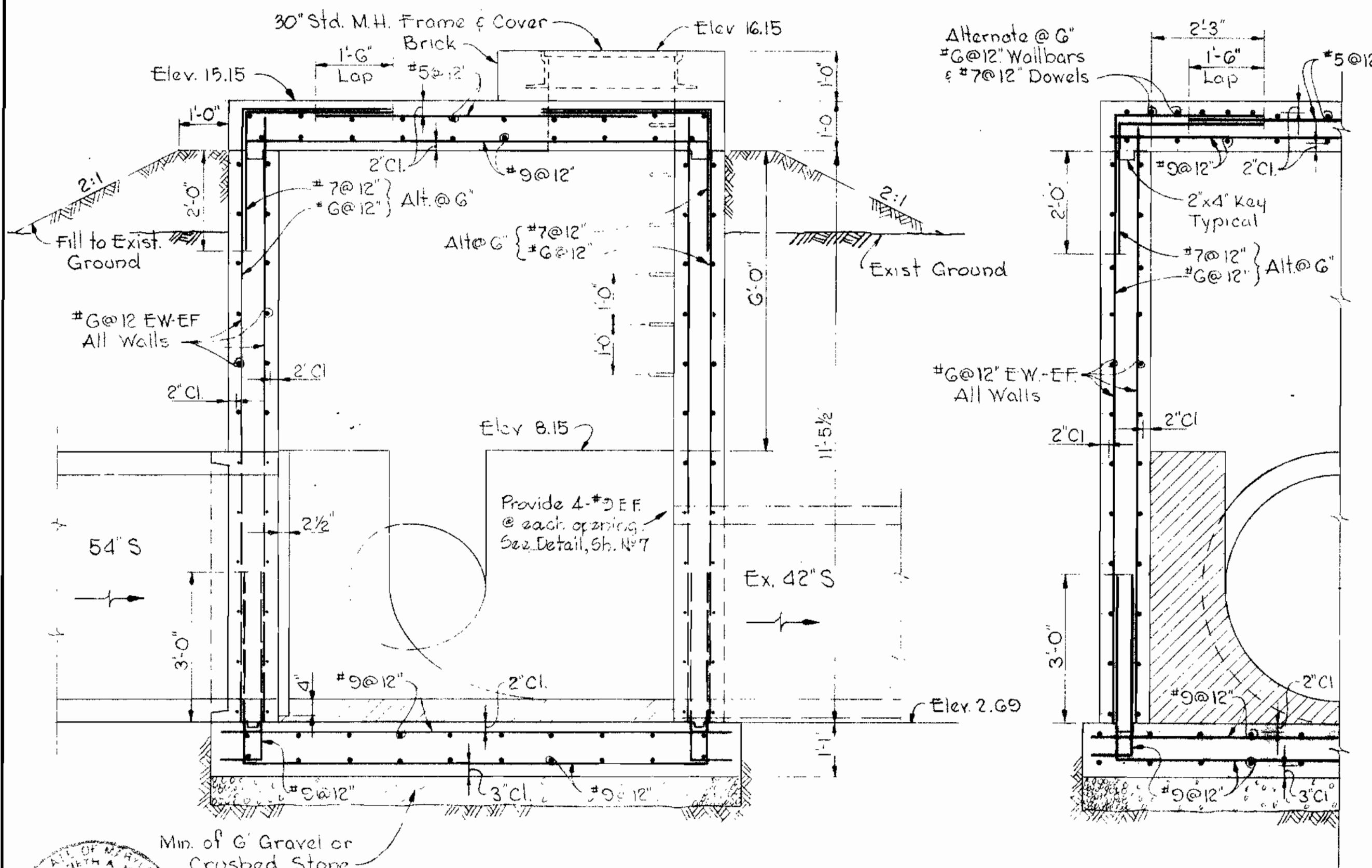


PLAN
Scale: 1/8"=1'-0"



SECTION "C-C" SECTION "D-D"

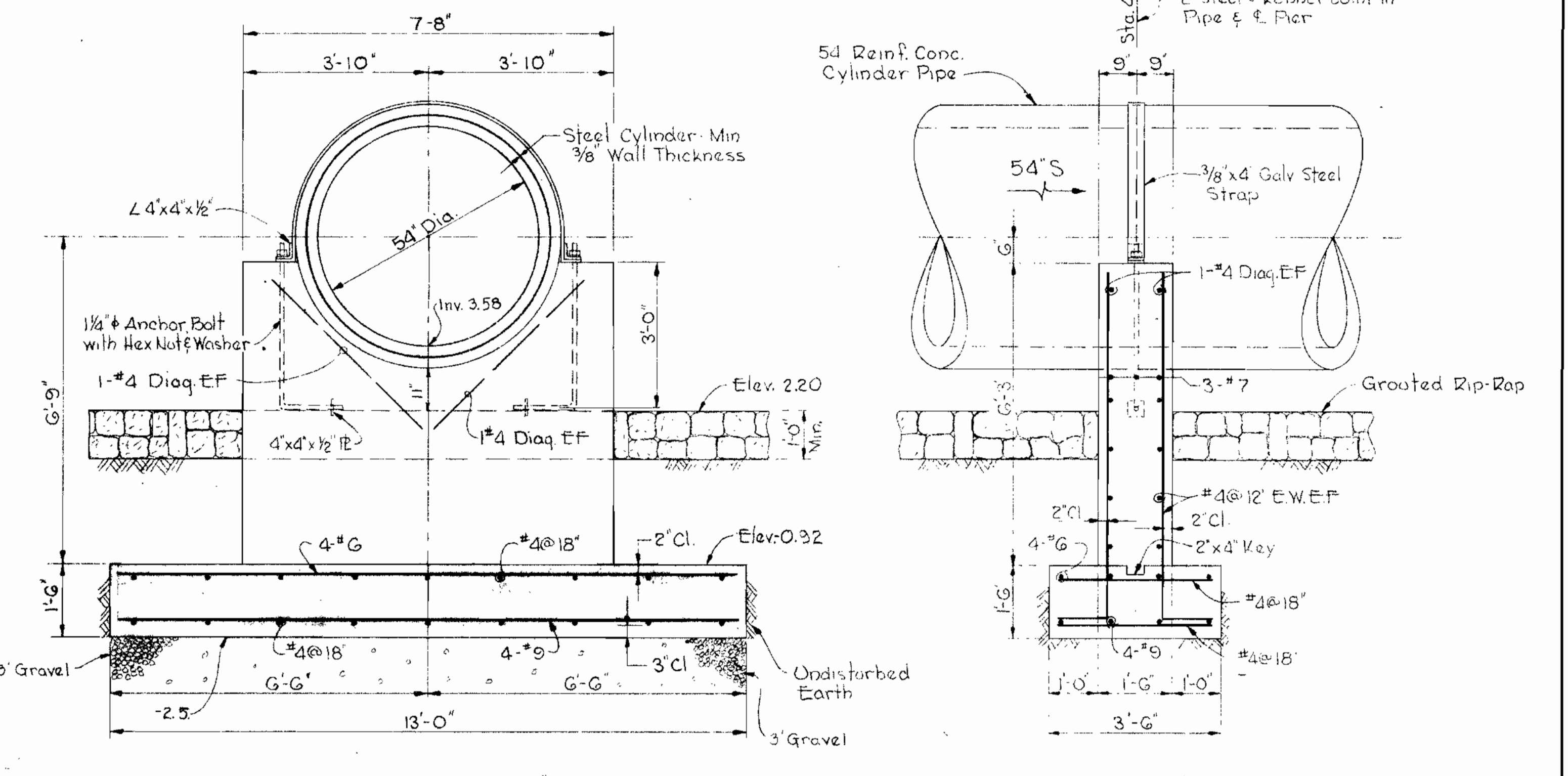
DETAIL OF LOW CRADLE
Scale: 1/4"=1'-0"



SECTION "A-A"

SECTION "B-B"

JUNCTION CHAMBER MANHOLE NO. 6349
Scale: 1/2"=1'-0"



SECTION "A-A"

SECTION "B-B"

DETAILS OF PIER
Scale: 1/2"=1'-0"

ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	
DATE	RIGHT OF WAY REF.
	EW 63-106
ENGINEER	
REG. NO.	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DEPARTMENT OF PUBLIC WORKS	
APPROVED	
DIRECTOR & CHIEF SANITARY ENGINEER	
DATE	

BUREAU OF ENGINEERING	
APPROVED	
CHIEF	
DATE	

STORM DRAINS	
WATER	
SEWER	
HIGHWAYS	
STRUCT. LINES	
FIELD LOCATION	

CONTRACT NO. 74S

HOWARD COUNTY METROPOLITAN COMMISSION
DATE
CHIEF ENGINEER

WHITMAN REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

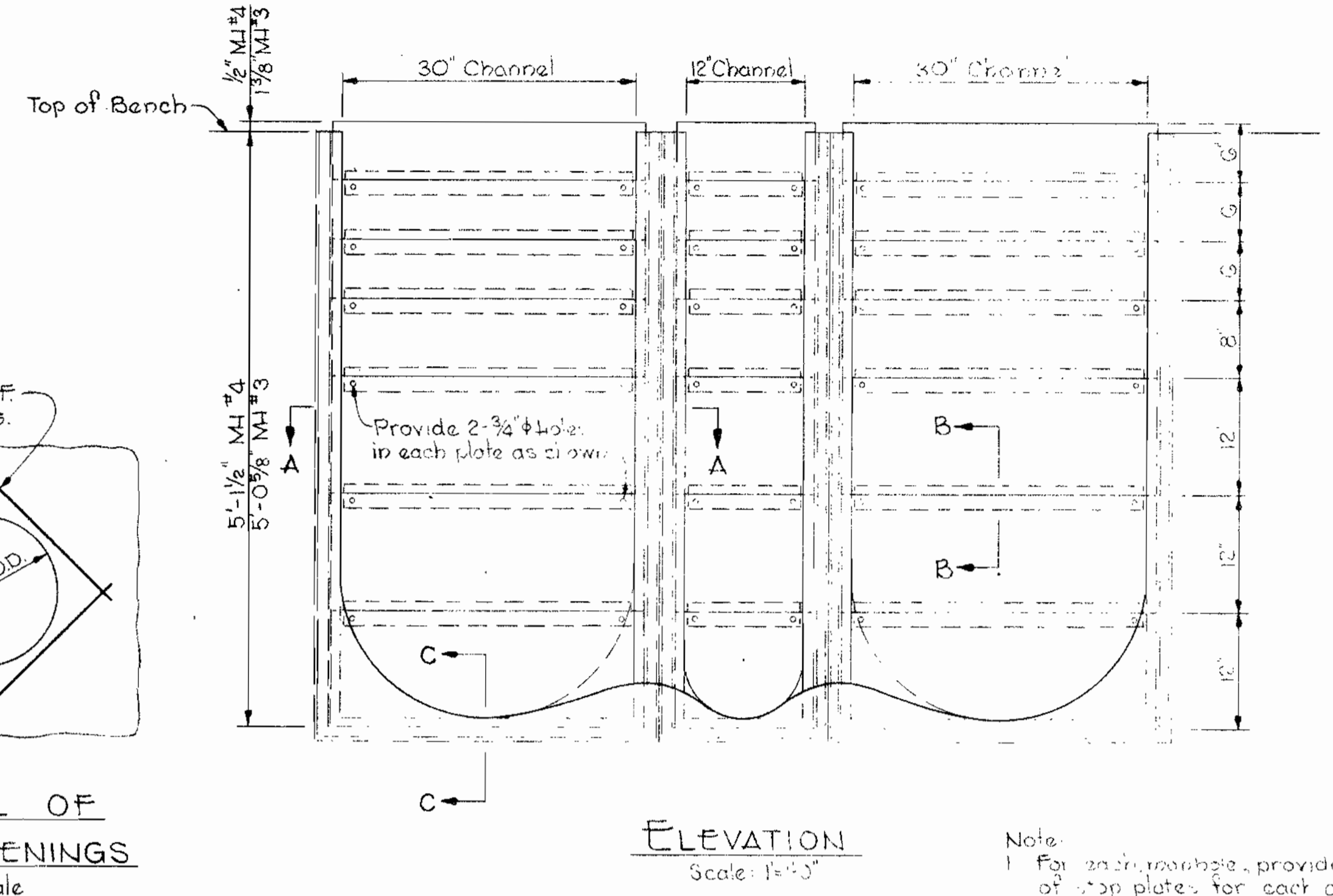
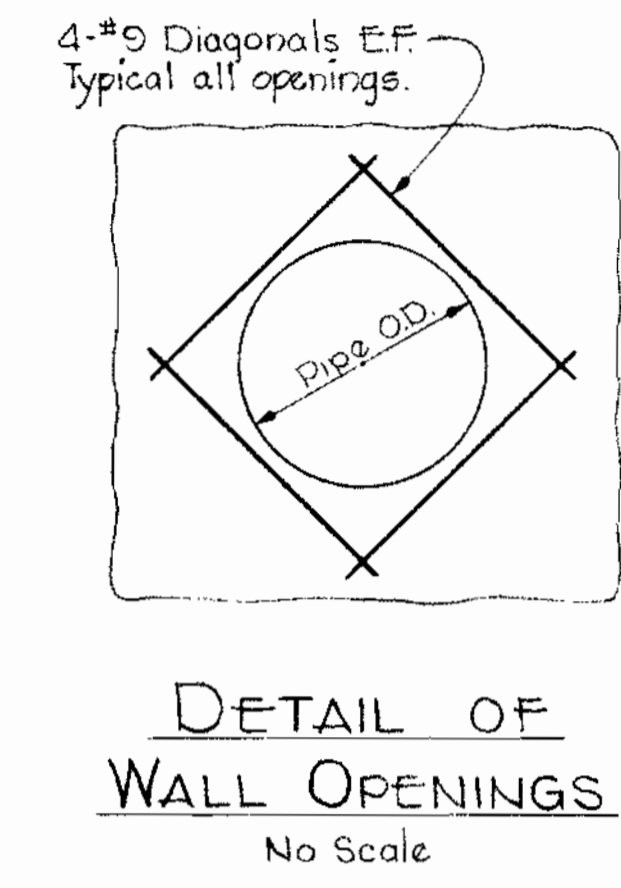
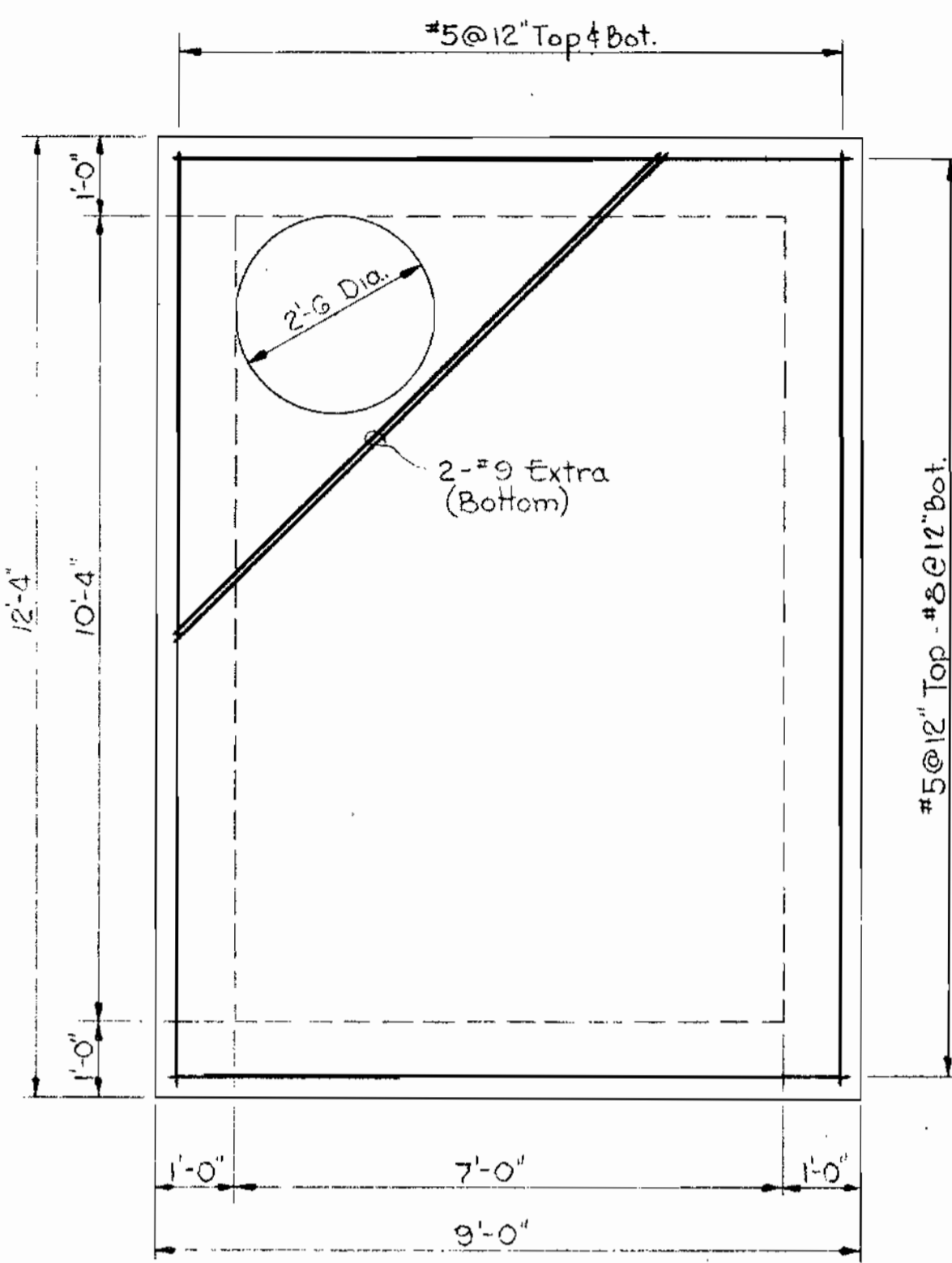
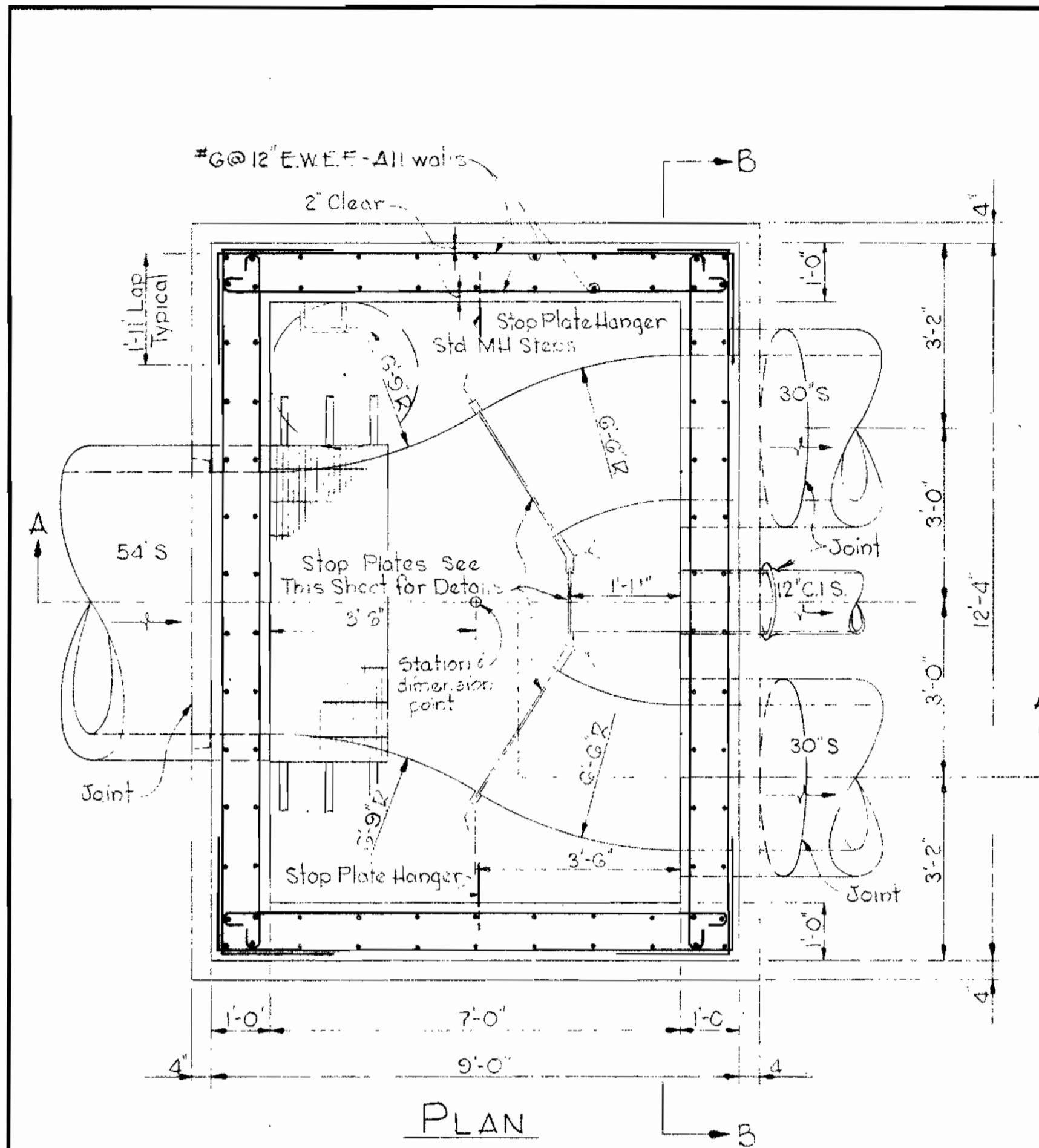
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
54" SEWER
PATAPSCO INTERCEPTOR
HERBERT RUN TO STILLHOUSE RUN
ELECT. DIST. NO. 13

10-14-64	54" SEWER LOWERED TO	K.A.M.
DATE	REVISION	BY
DRAWING COMPLETED	200 20, 1964	
SCALE	KEY SHEET	SHEET
AS SHOWN	C-N.W.	6
	POSITION SHEET	NO. 6
		OF 13
		J.O. 1-20-1
		64-082
		FILE: A-10

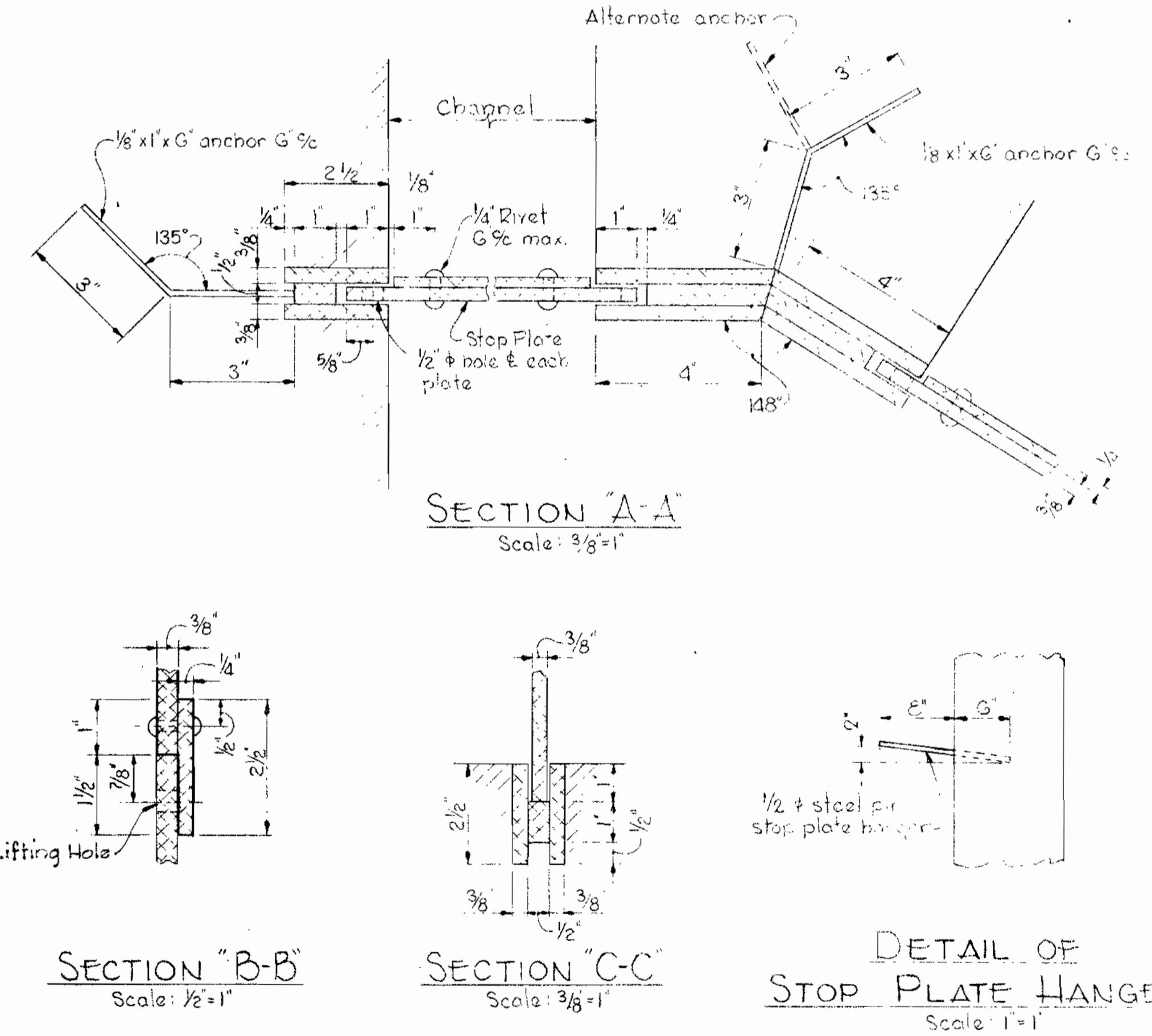
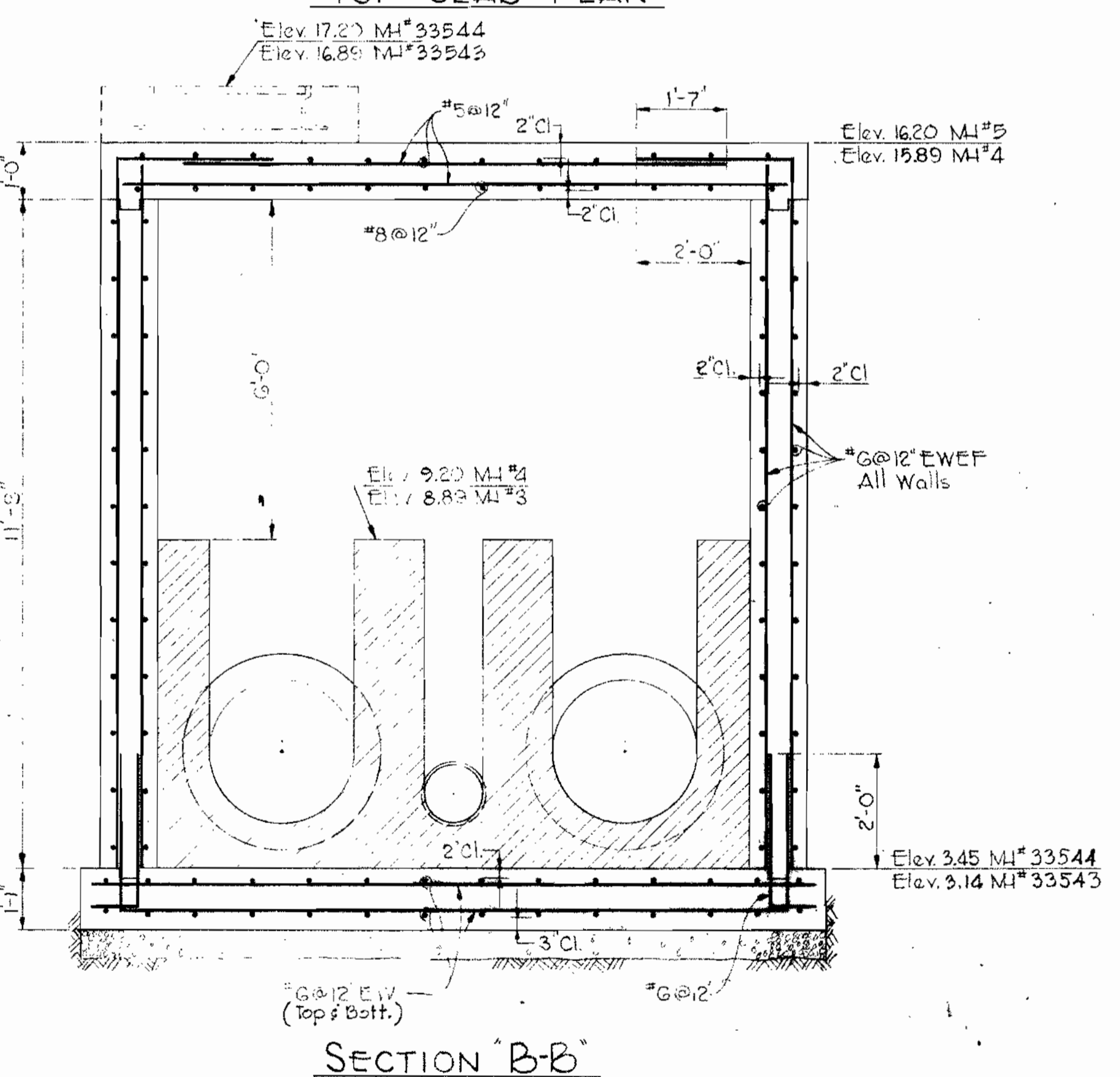
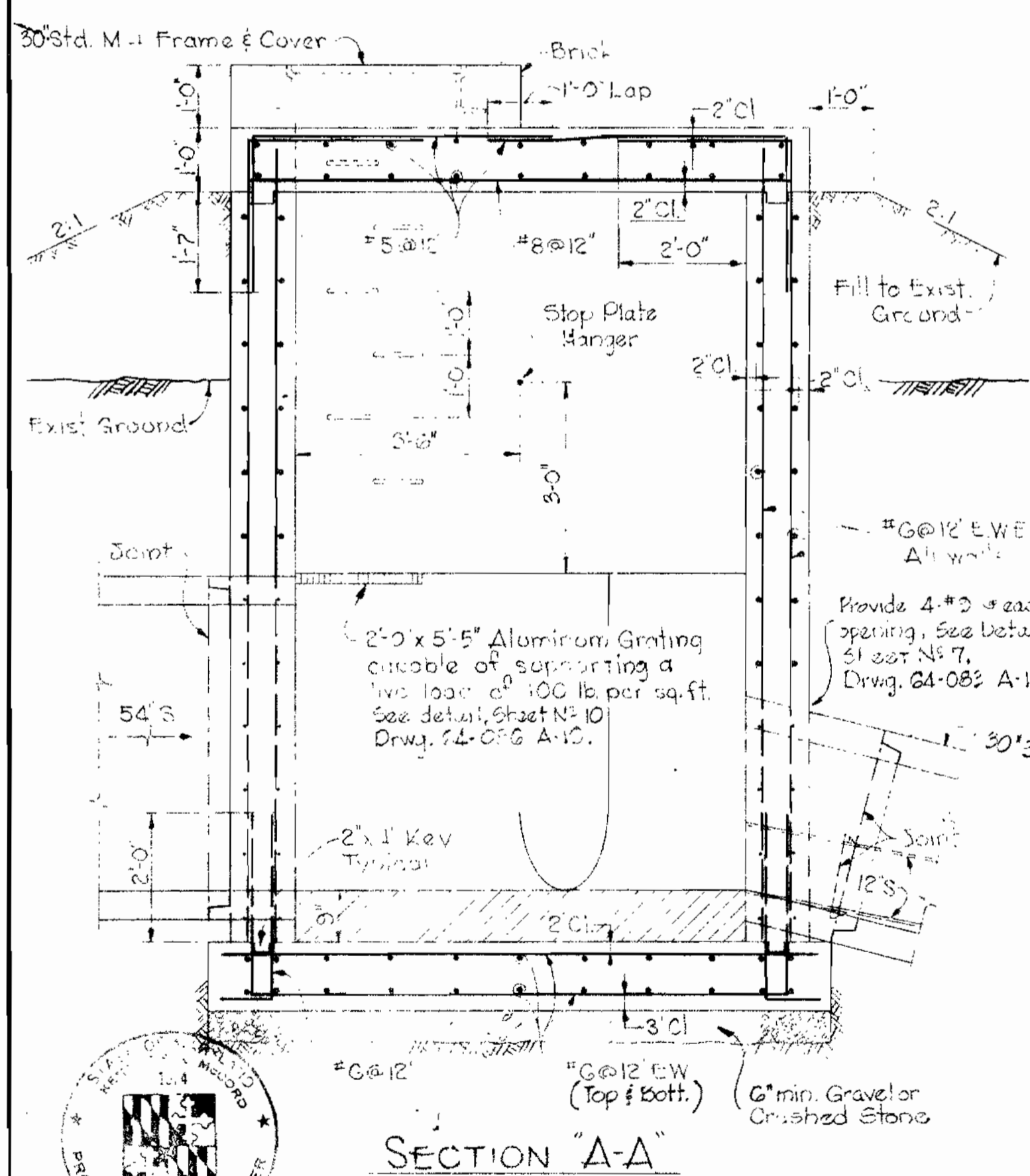
WO.4968-2

BUILT 23 AUG 65

WS 74516
SM



- Note:
1. For each channel, provide one set of stop plates for each channel.
 2. Stop plates and stop plate frames to be of aluminum, 3031-H4 Grade.
 3. Connections to be welded throughout.



DETAILS OF SIPHON MANHOLE No. 33544
REVERSE DETAIL FOR MANHOLE No. 33543
Scale: 1/2" = 1'-0"

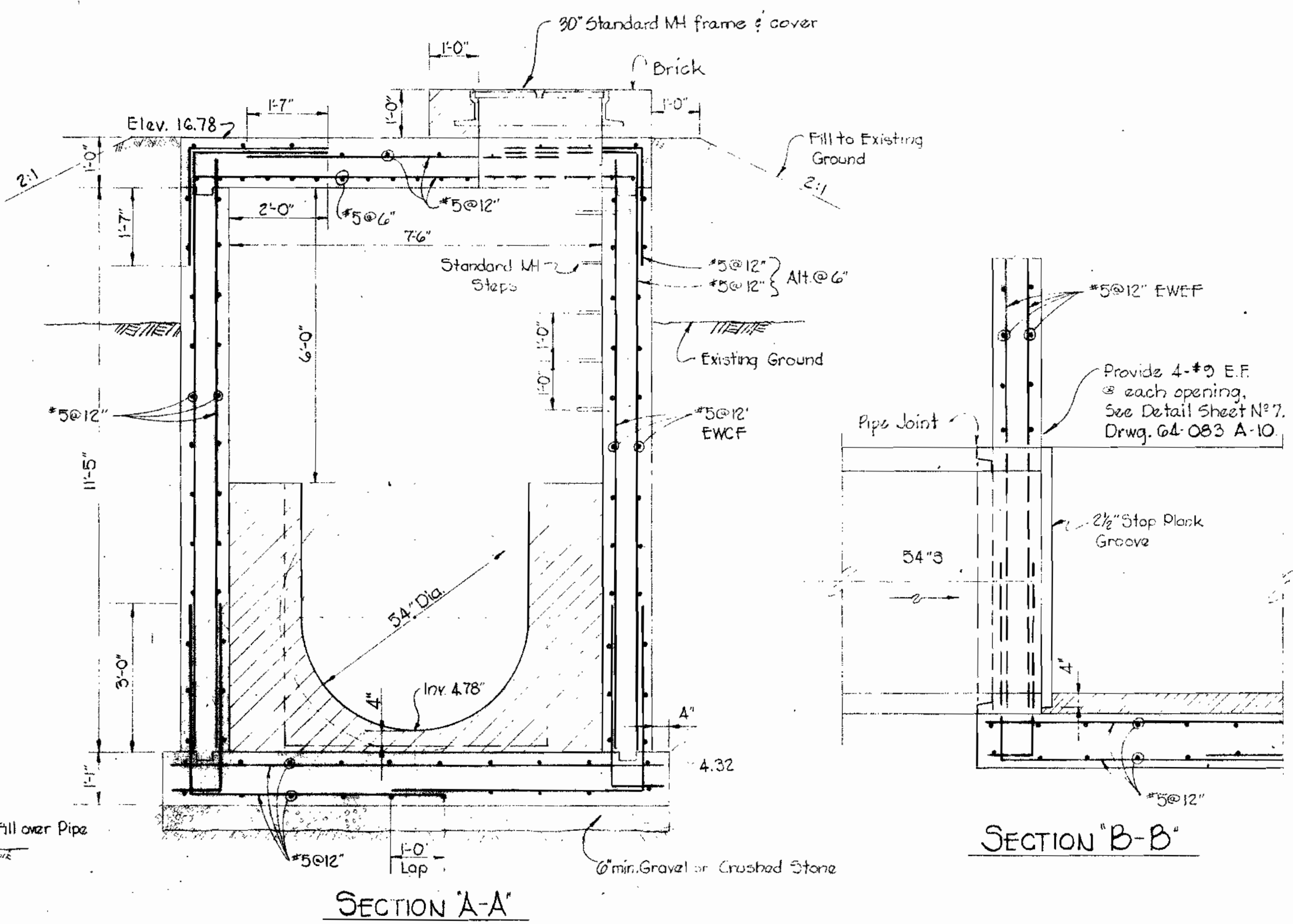
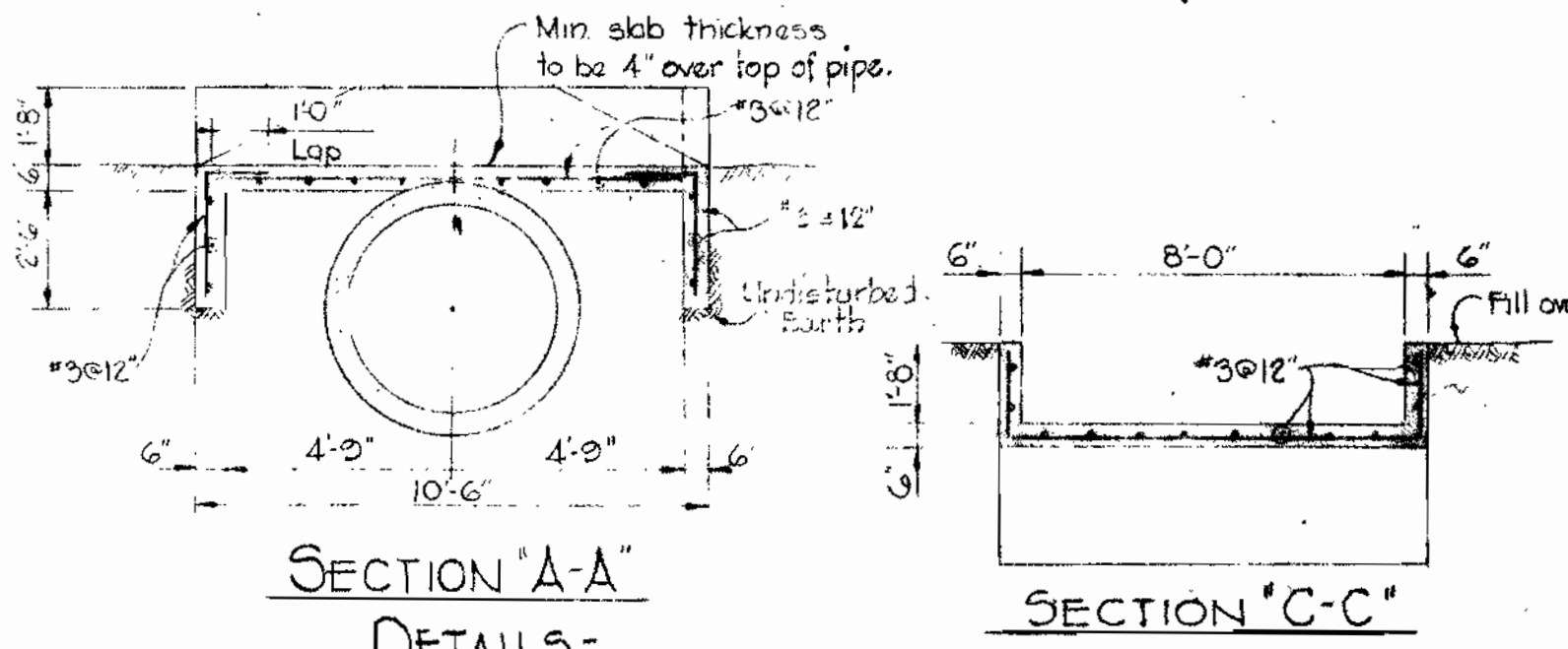
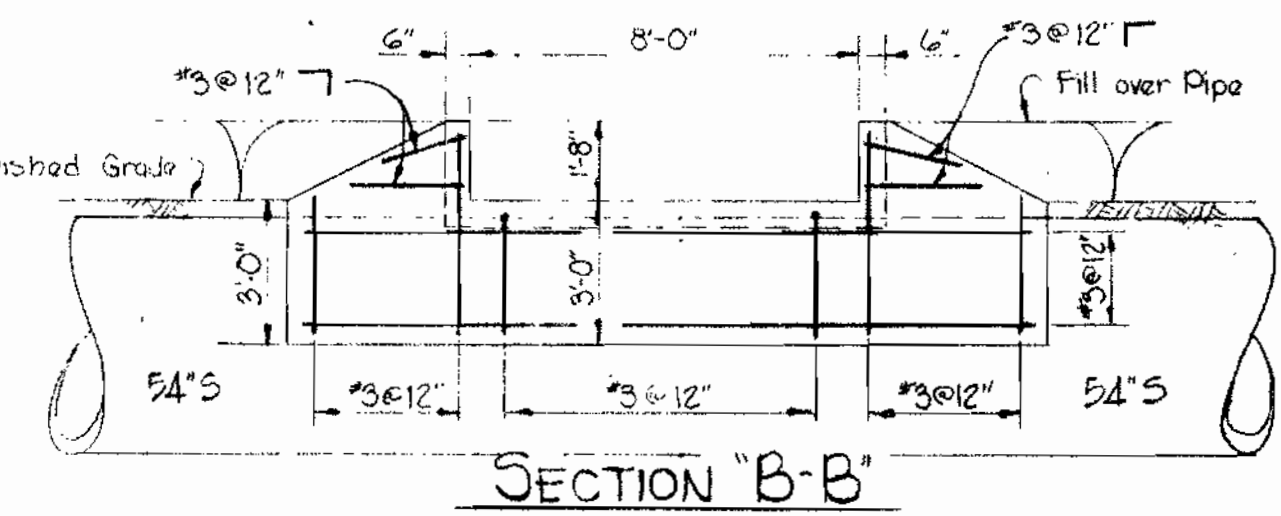
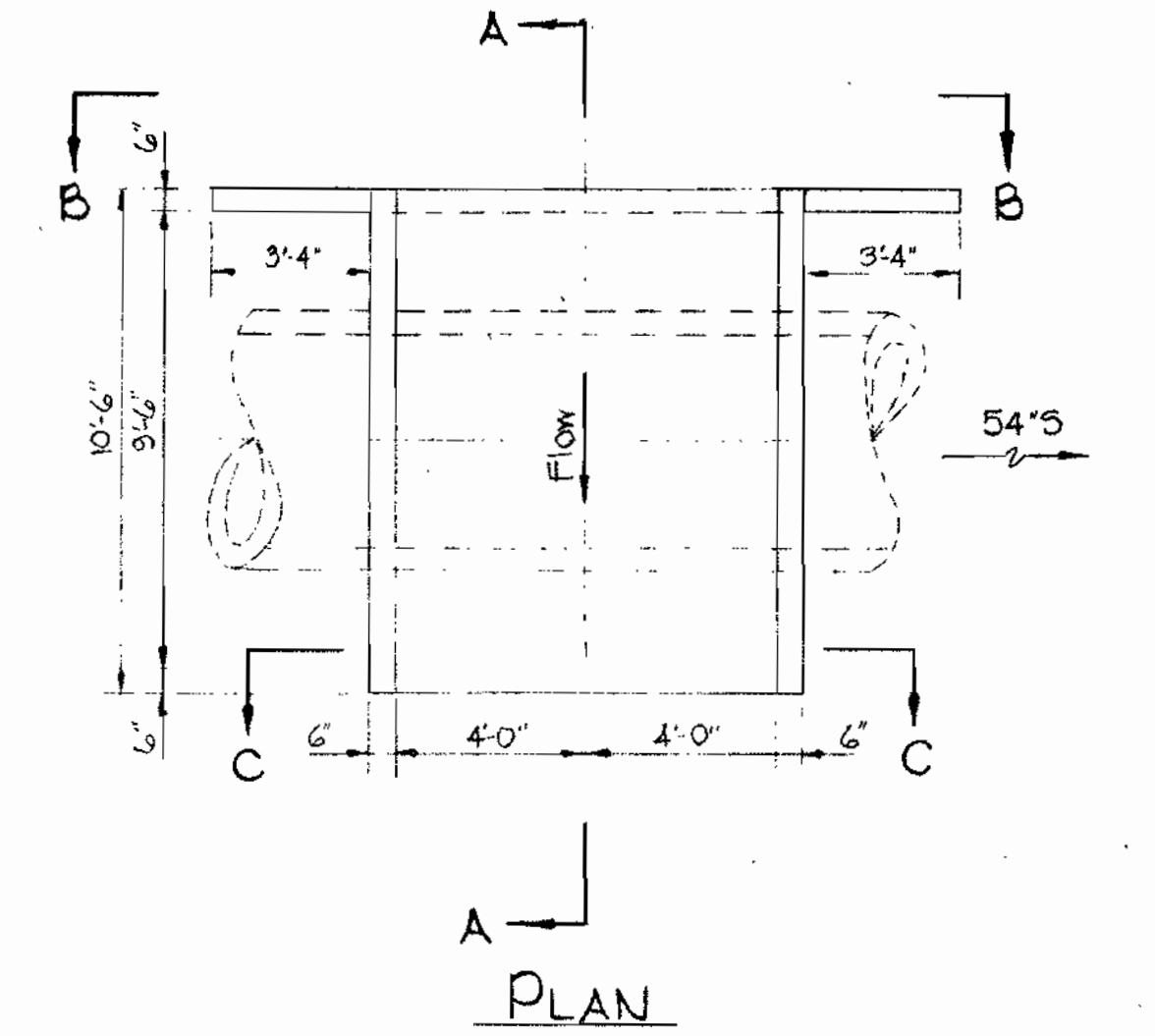
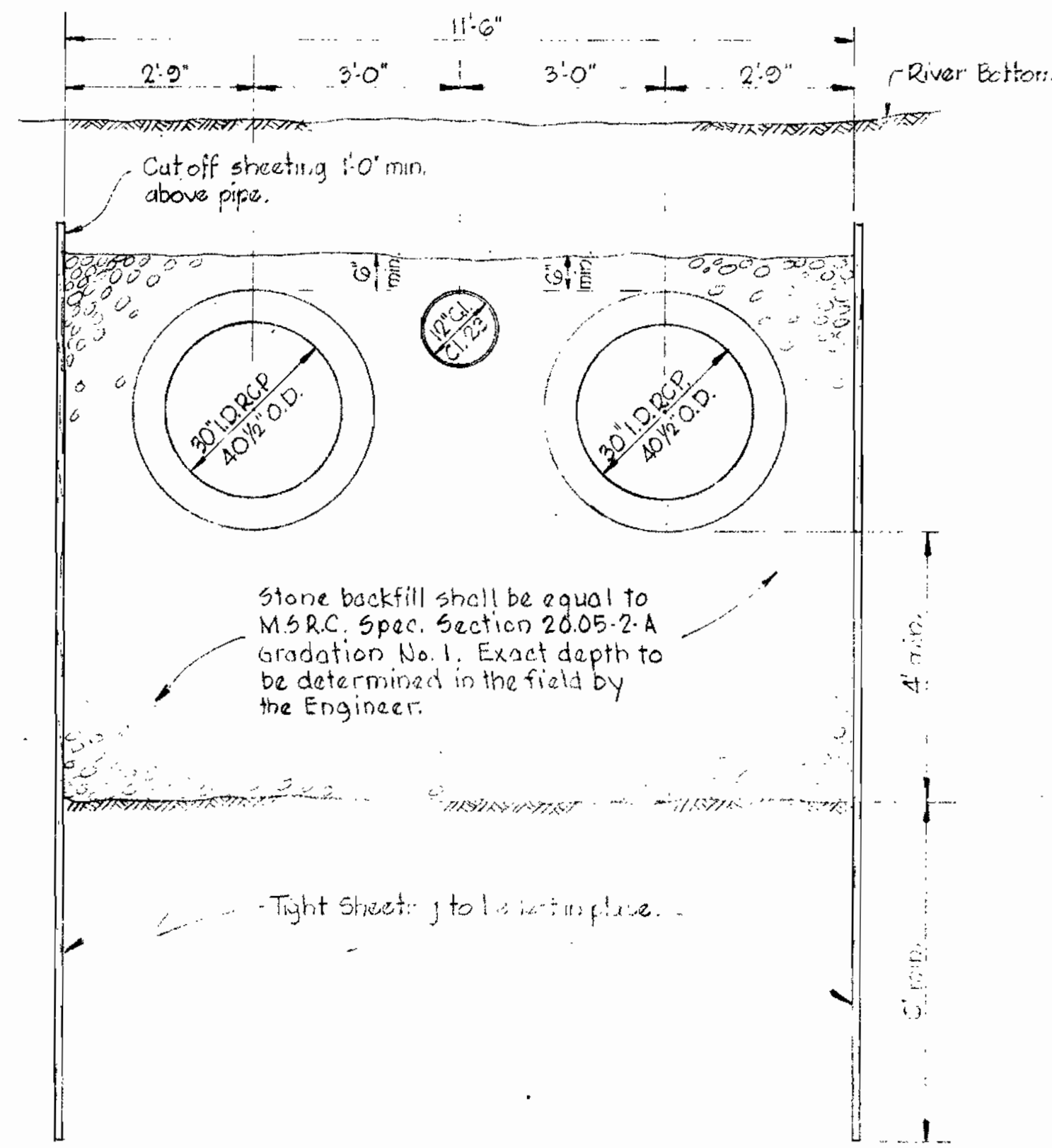
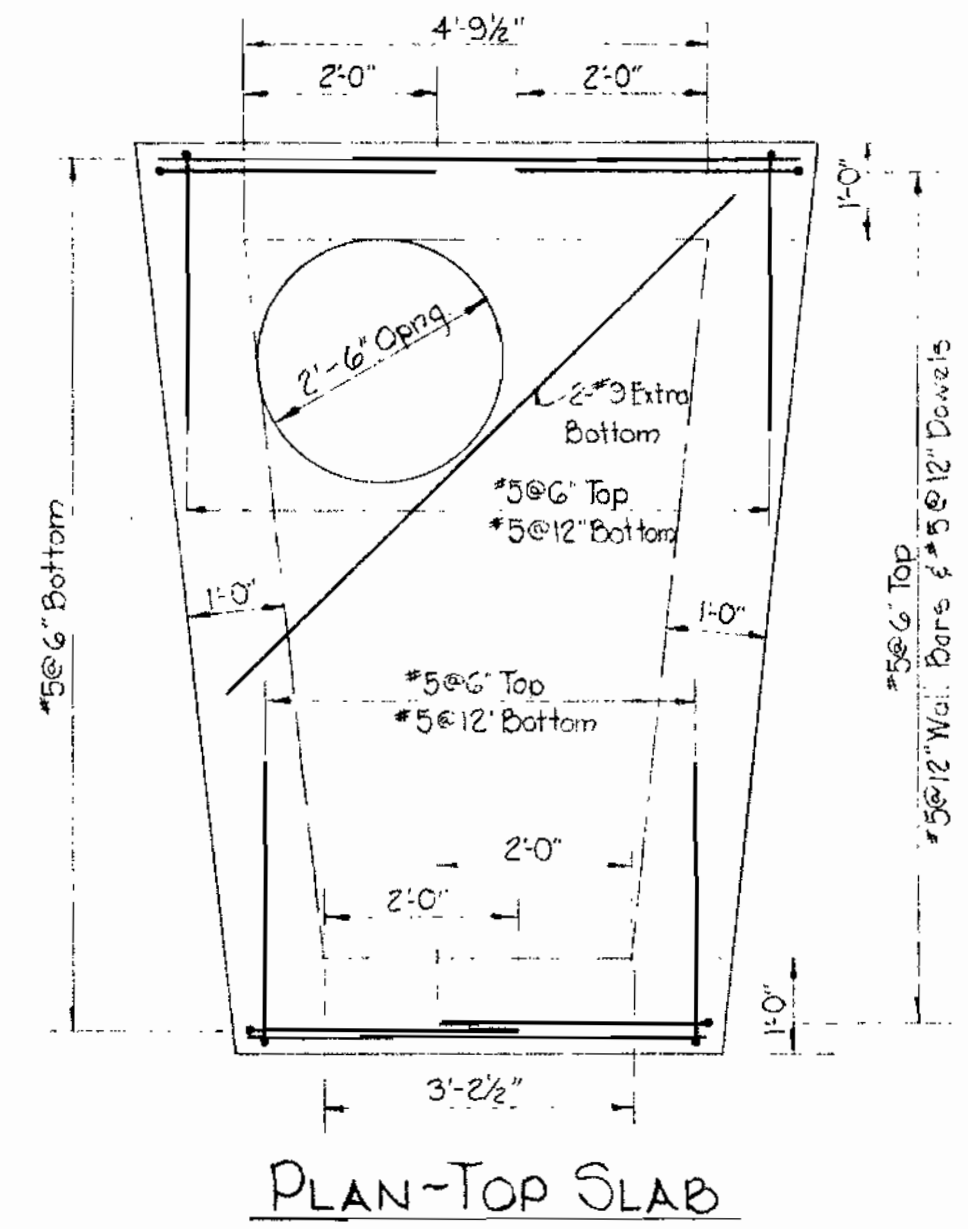
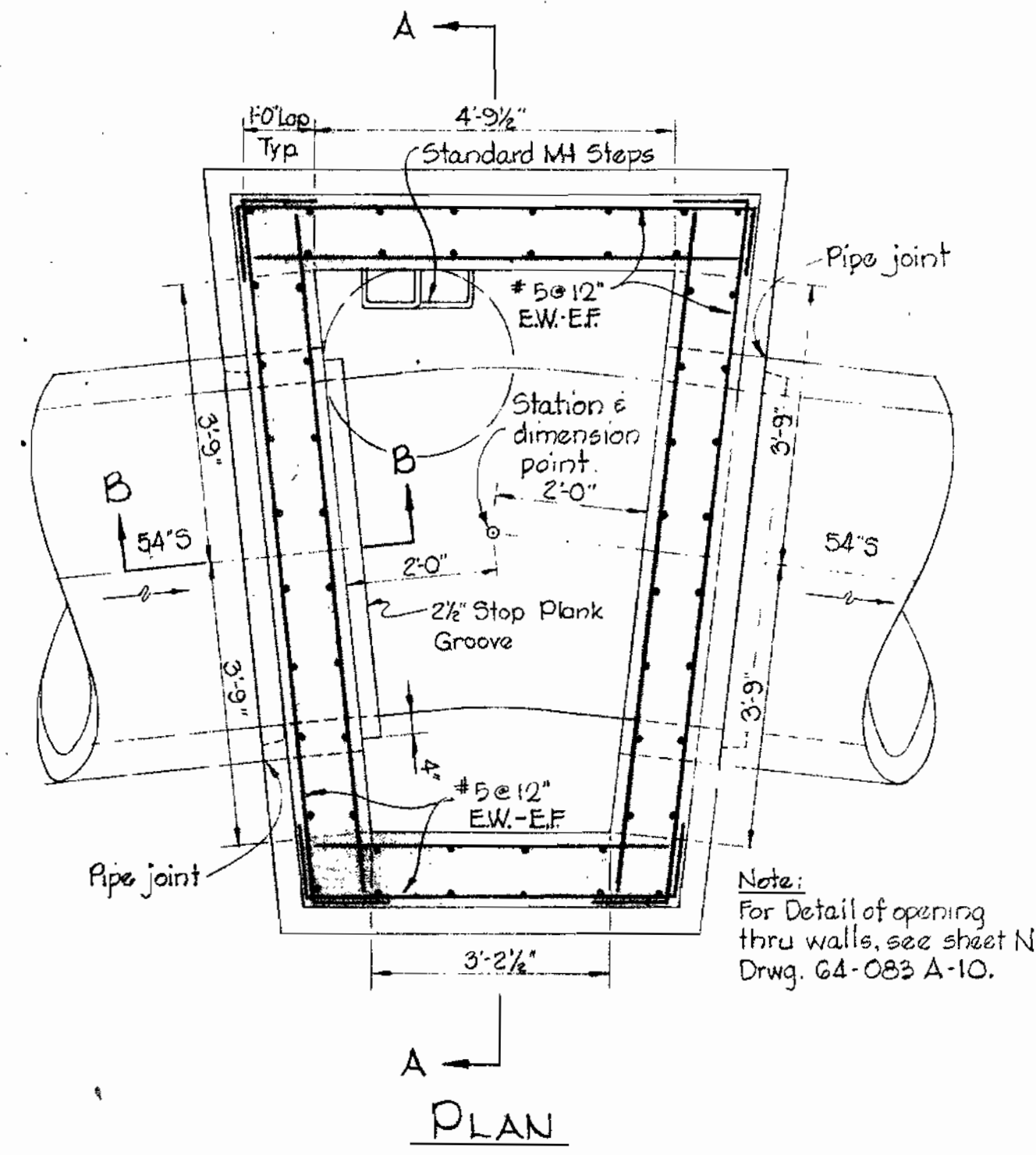
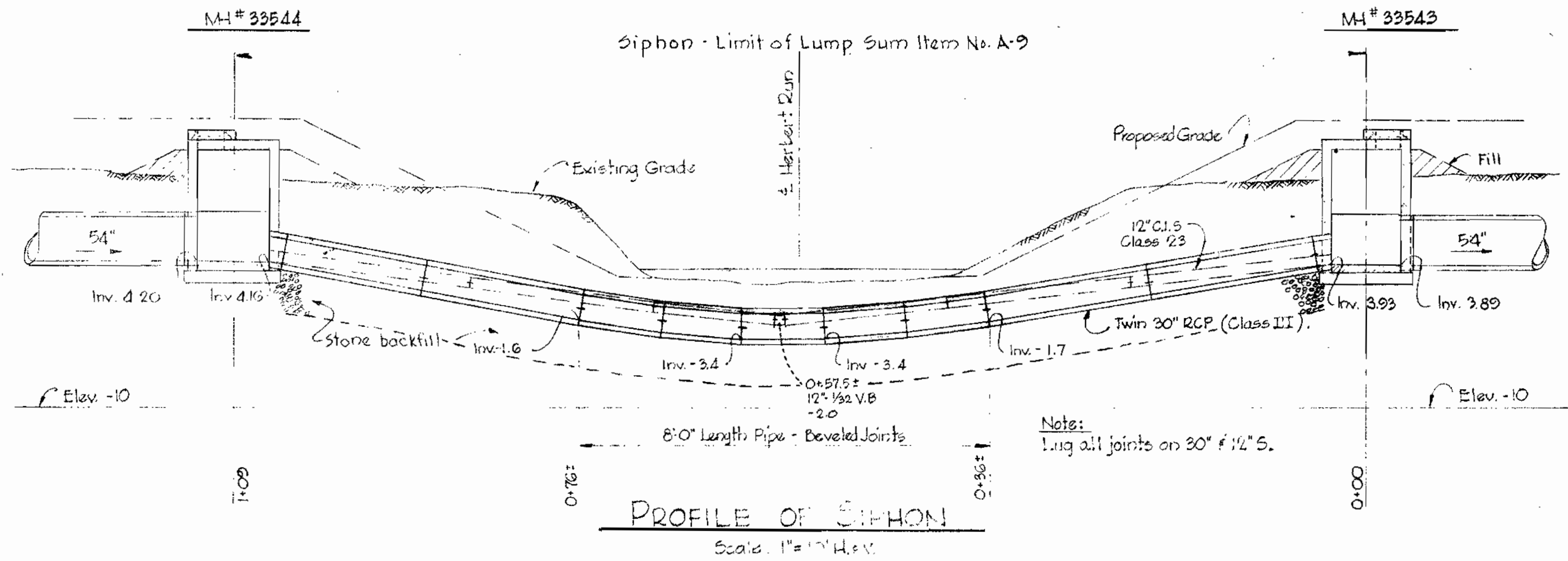
PART "A"

ROAD PERMIT AND GRADES PERMIT REQUESTED PERMIT NUMBER GRADE ESTABLISHED PROFILE NUMBER		DEPARTMENT OF PUBLIC WORKS APPROVED: <i>[Signature]</i> DIRECTOR & CHIEF SANITARY ENGINEER DATE: 7/2/64		BUREAU OF ENGINEERING APPROVED: <i>[Signature]</i> CHIEF DATE: 7/2/64		CONTRACT NO. 74S HOWARD COUNTY METROPOLITAN COMMISSION DATE:		WHITMAN REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND CHIEF ENGINEER		10-14-64 54" SEWER LOWERED 10" DATE REVISION DRAWING COMPLETED FEB 28, 1964		K.A.M. BY	
DATE RIGHT OF WAY REF. <i>EW 63-106</i> ENGINEER REG. NO. DATE		DESIGNED DRAWN CHECKED		STORM DRAINS WATER SEWER HIGHWAYS STRUCTURES FIELD LOCATION B.M.B. 4-3-64		BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS PATAPSCO INTERCEPTOR HERBERT RUN N.W. TO STILLHOUSE RUN ST. DENNIS		BUREAU OF ENGINEERING SCALE AS SHOWN		KEY SHEET C-NW POSITION SHEET NO. 7 OF 13		J.O. 1-20-1 64-083 FILE: A-10	

WO. 4968-2

23 AUG 65

WS 74517



ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	
DATE	RIGHT OF WAY REF.
	EW 63-106

ENGINEER	
REG. NO.	DESIGNED
DATE	DRAWN
	CHECKED

DEPARTMENT OF PUBLIC WORKS	
APPROVED	DIRECTOR & CHIEF SANITARY ENGINEER
DATE	4/6/64

BUREAU OF ENGINEERING	
STORM DRAINS	WATER
SEWER	HIGHWAYS
STRUCTURES	FIELD LOCATION
DATE	4-3-64

CONTRACT NO. 74S

HOWARD COUNTY METROPOLITAN COMMISSION
CHIEF ENGINEER
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
54" SEWER
PATAPSCO INTERCEPTOR
HERBERT RUN TO STILLHOUSE RUN
ELECT. DIST. NO. 13

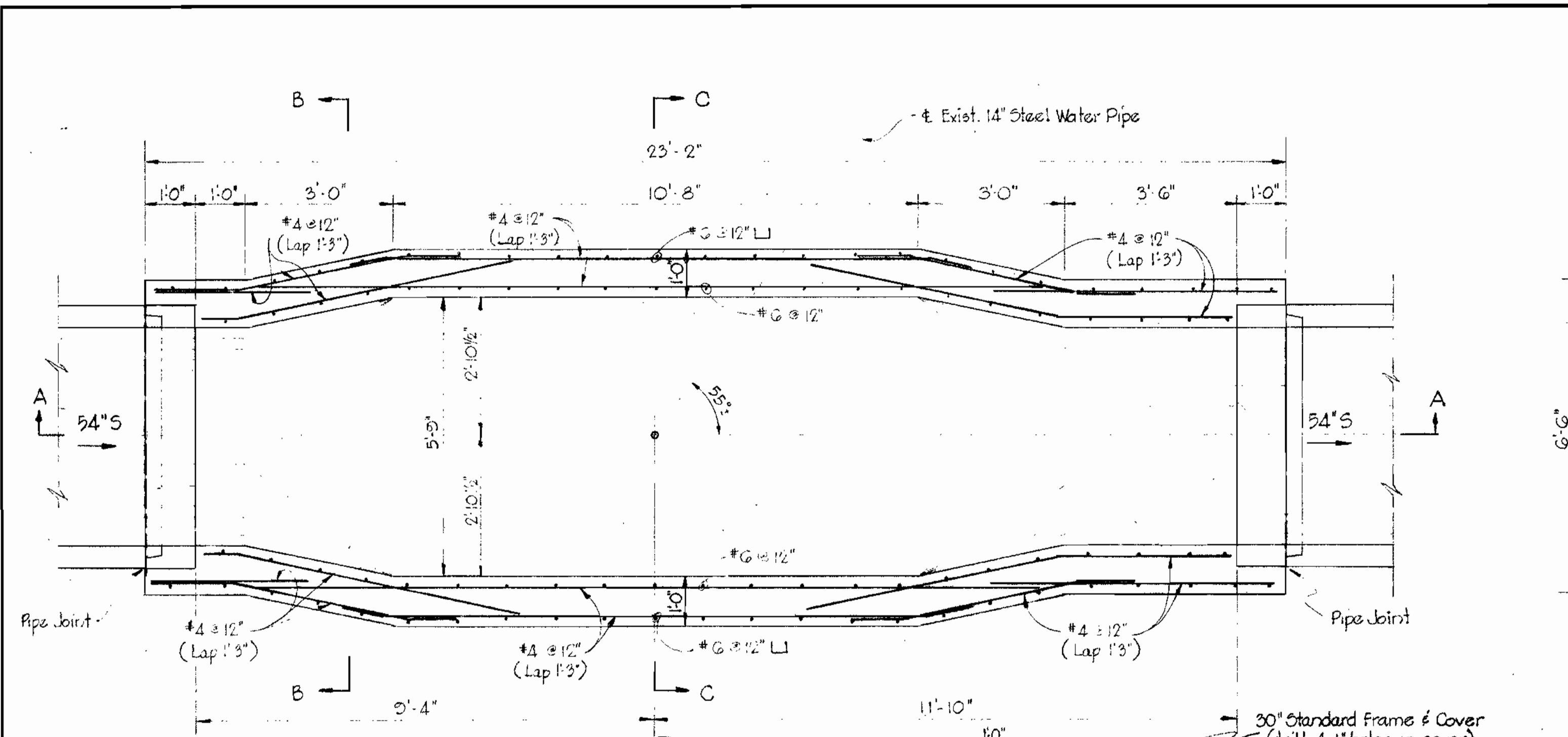
WHITMAN REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

10-14-24	54" SEWER LOWERED 1'-0"	E.A.M.
DATE	REVISION	BY
DRAWING COMPLETED	100 20, 1964	
KEY SHEET	SHEET	
C-N.W.	NO. 8	J.O. 1-20-1
POSITION SHEET	OF 13	64-084
		FILE: A-10

WC 4968-2

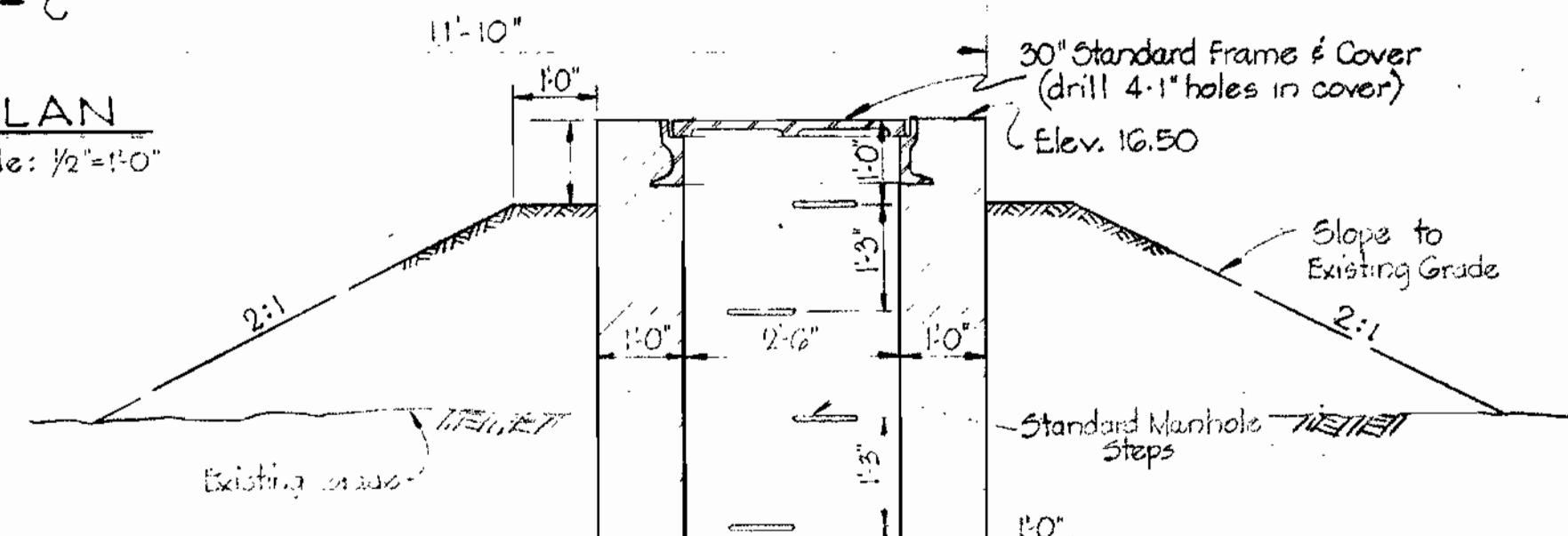
23 AUG 65

WS 745/8

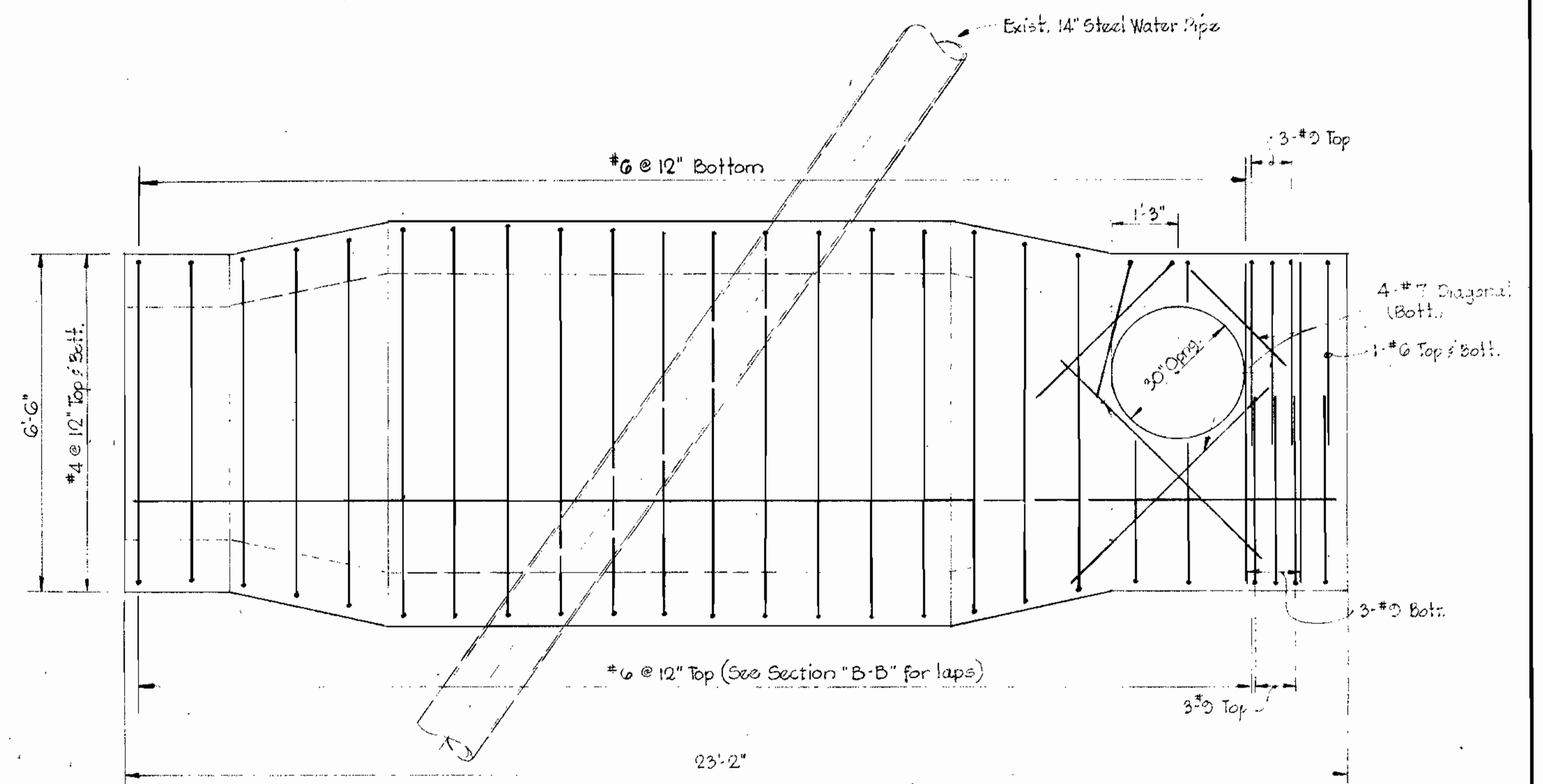


PLAN
Scale: 1/2" = 1'-0"

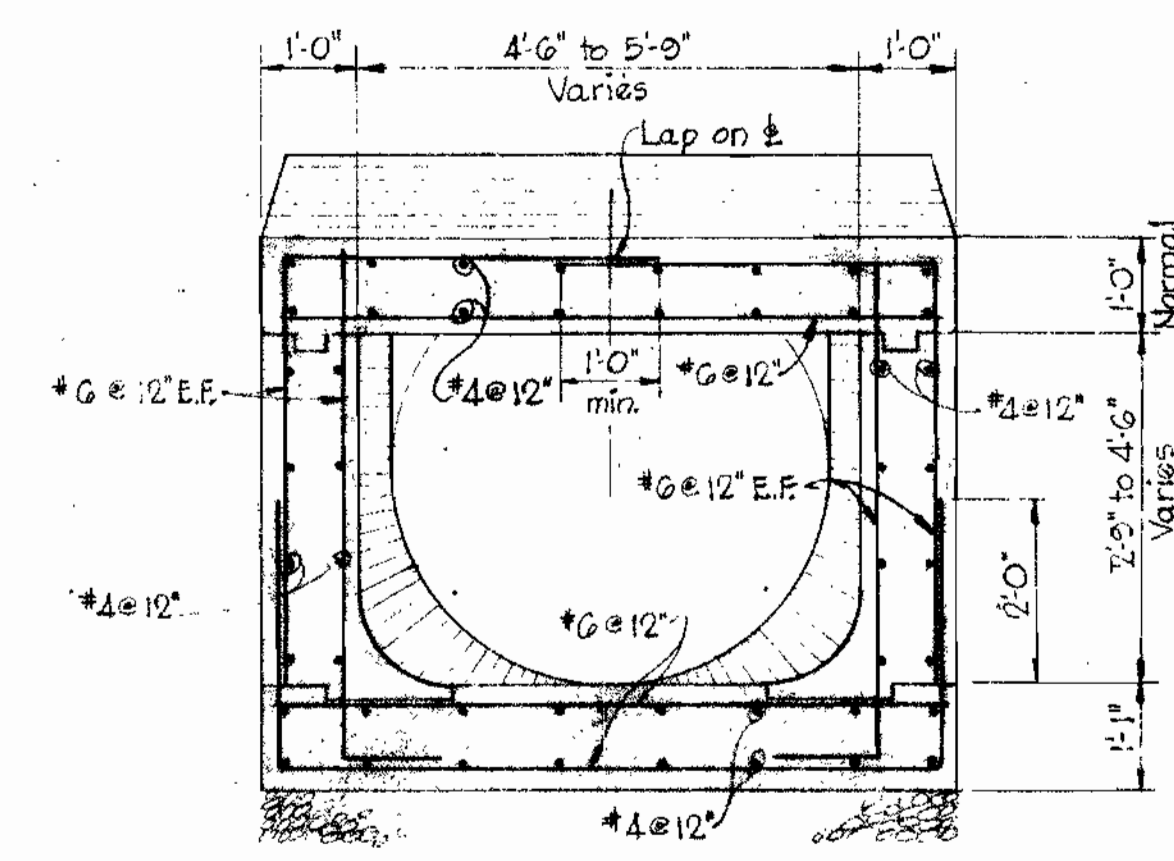
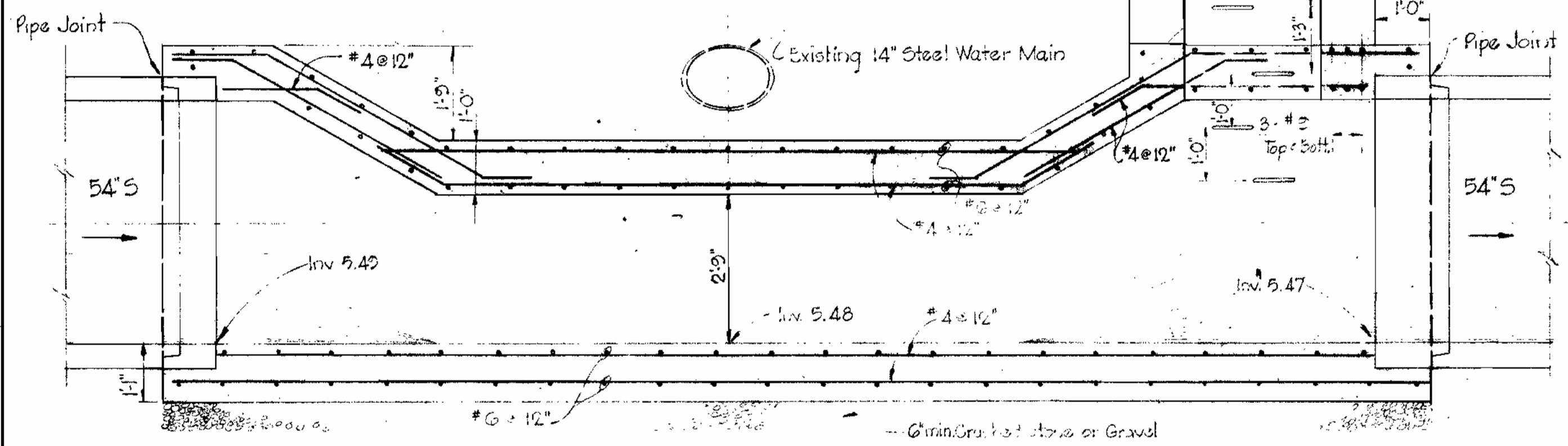
Note:
Existing 14" Steel Water Main not to be disturbed, any damage to coating of pipe shall be repaired immediately.



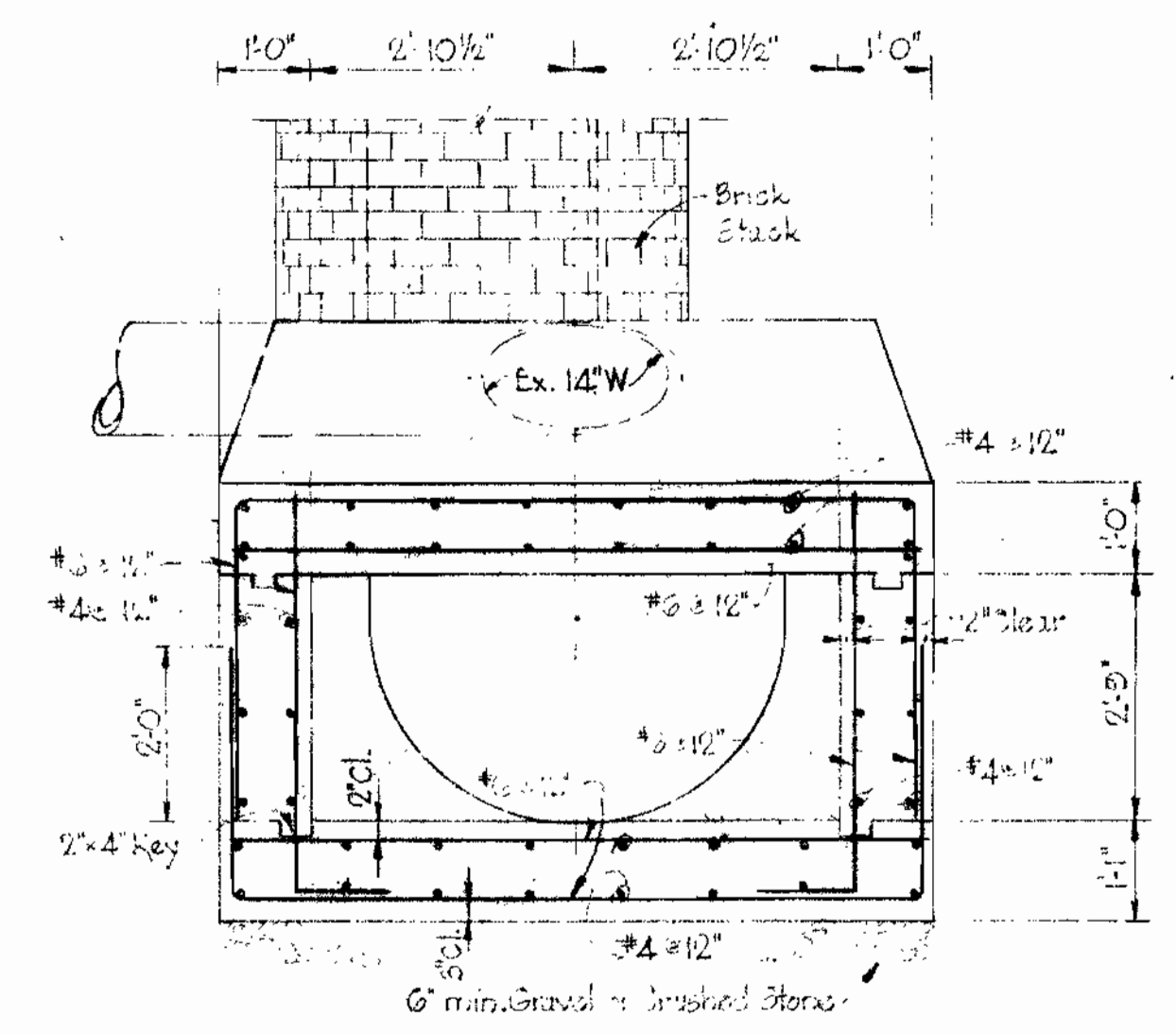
SECTION "A-A"



PLAN - TOP SLAB
Scale: 1/2" = 1'-0"



SECTION "B-B"
Scale: 1/2" = 1'-0"



SECTION "C-C"
Scale: 1/2" = 1'-0"

GENERAL STRUCTURAL NOTES

- All Concrete shall be Class "A" Concrete having a minimum compressive strength of 3500 psi. at 28 days.
- All Reinforcing shall be hot rolled grade steel (ASTM-A 305) with deformation conforming to ASTM-A 305.
- Concrete cover shall be 1 1/2" except at bottom of slab, corners or walls, where it shall be 3".
- Reinforcing laps shall be 40 bar diameters or 1'-0" minimum, except as otherwise noted.
- Chamfer 3/4" all exposed concrete corners.

DETAILS OF CONTRACTION CHAMBER AT MANHOLE 33549

PART "A"

ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	

DATE	RIGHT OF WAY	REF.
ENGINEER		
REG. NO.	DESIGNED	
DATE	CHECKED	

DEPARTMENT OF PUBLIC WORKS	
APPROVED	DIRECTOR & CHIEF SANITARY ENGINEER
DATE	

BUREAU OF ENGINEERING	
APPROVED	CHIEF
DATE	

STORM	WATER	SEWER	HIGHWAYS	STRUCTURES	FIELD LOCATION

CONTRACT NO.	74S
DATE	

HOWARD COUNTY METROPOLITAN COMMISSION	
CHIEF ENGINEER	
DATE	
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS	
BUREAU OF ENGINEERING	

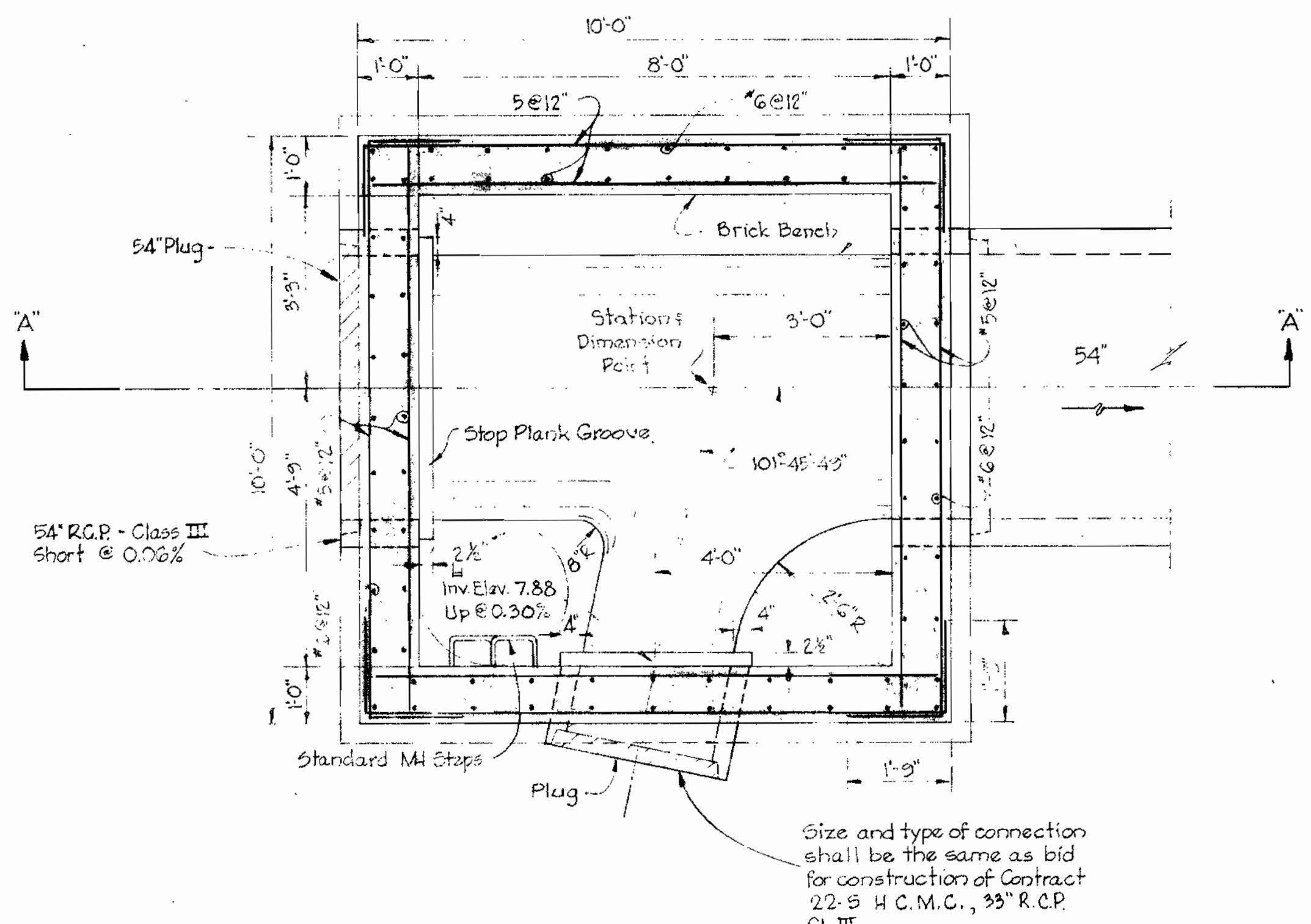
WHITMAN REQUARDT & ASSOCIATES	
ENGINEERS	
1304 ST. PAUL ST.	
BALTIMORE, MARYLAND	
CHIEF ENGINEER	
DATE	

DATE	5/15/64	54" SEWER LOWERED 1'-0"	E.A.M.
REVISION			BY
DRAWING COMPLETED FEB 28, 1964			
SCALE	AS SHOWN	KEY SHEET	SHEET
		C-N.W.	9
		POSITION SHEET	NO.
			OF 13
			J.O. 1-20-1
			64-085
			FILE A-10

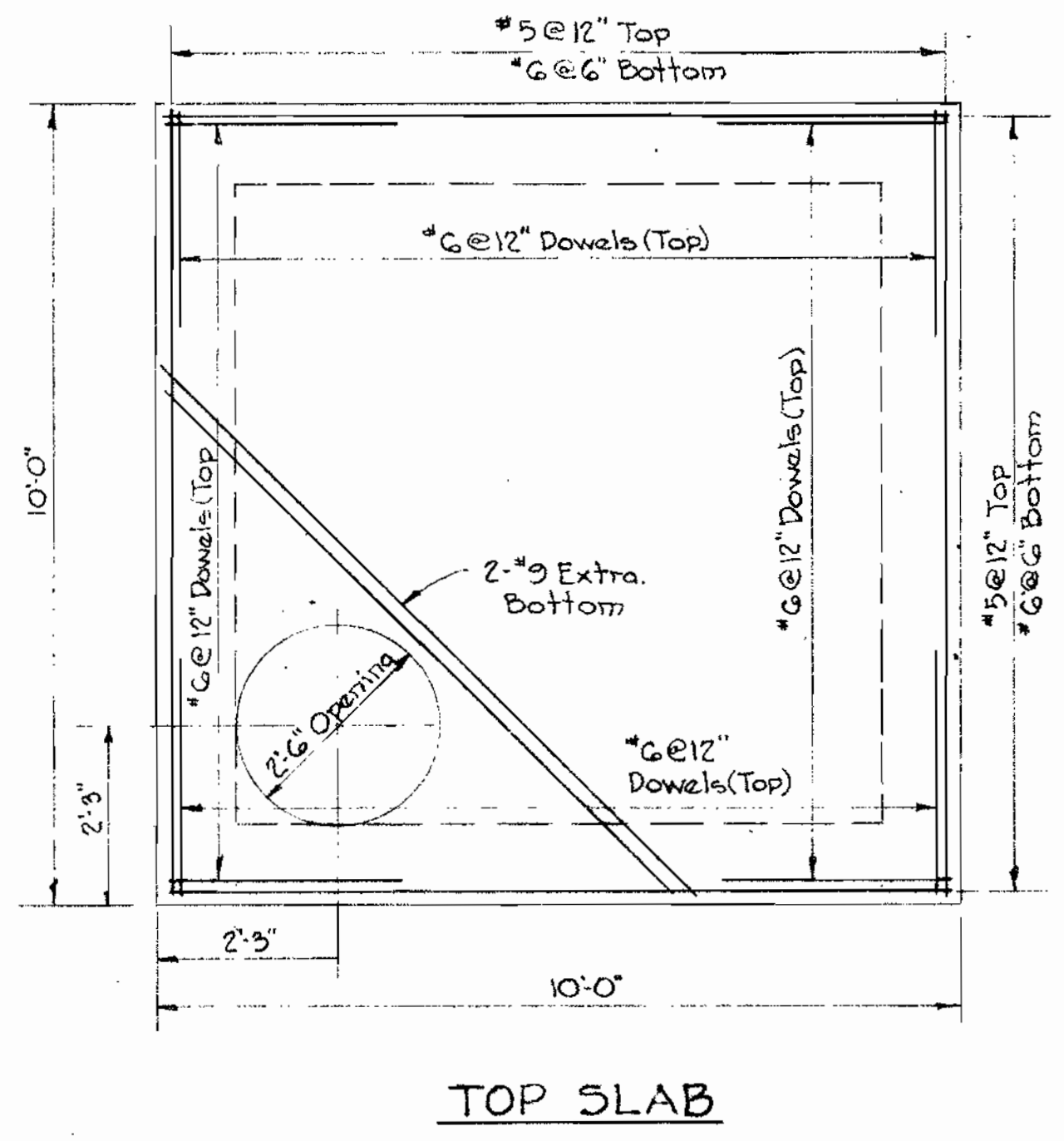
WO. 4968-2

BUILT 23 AUG 65

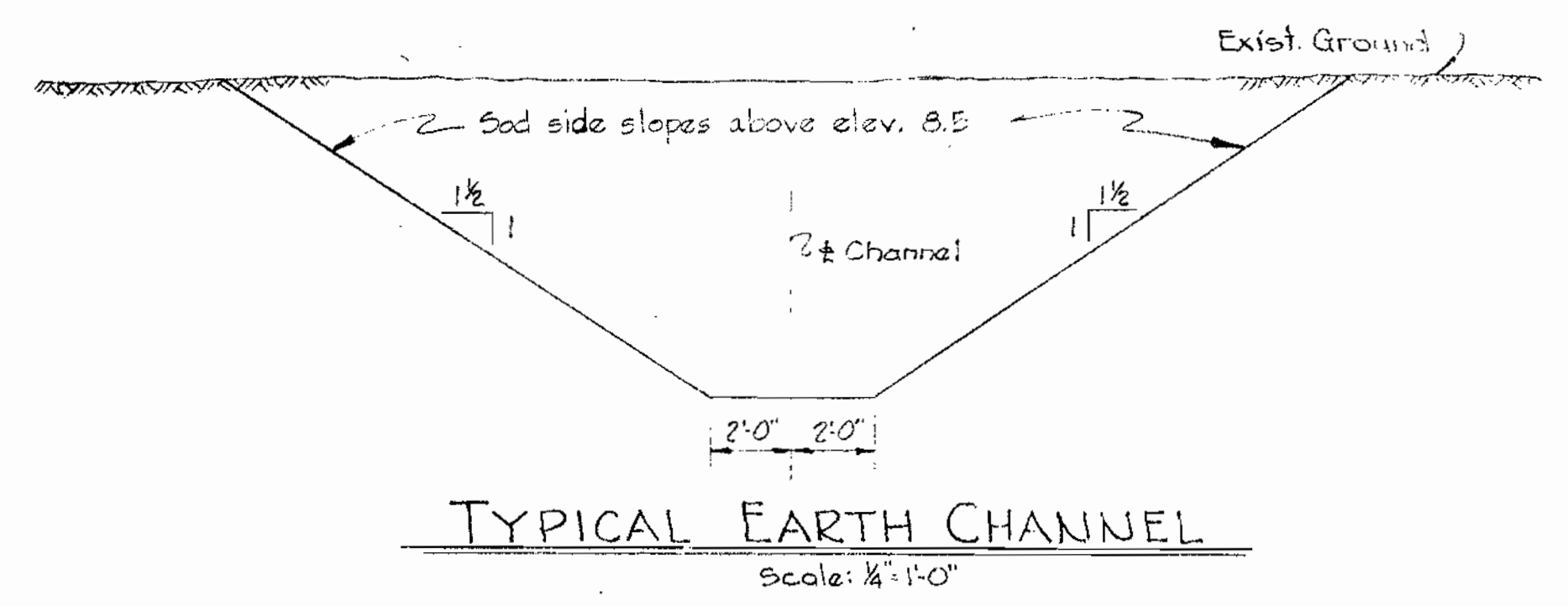
WS 74519



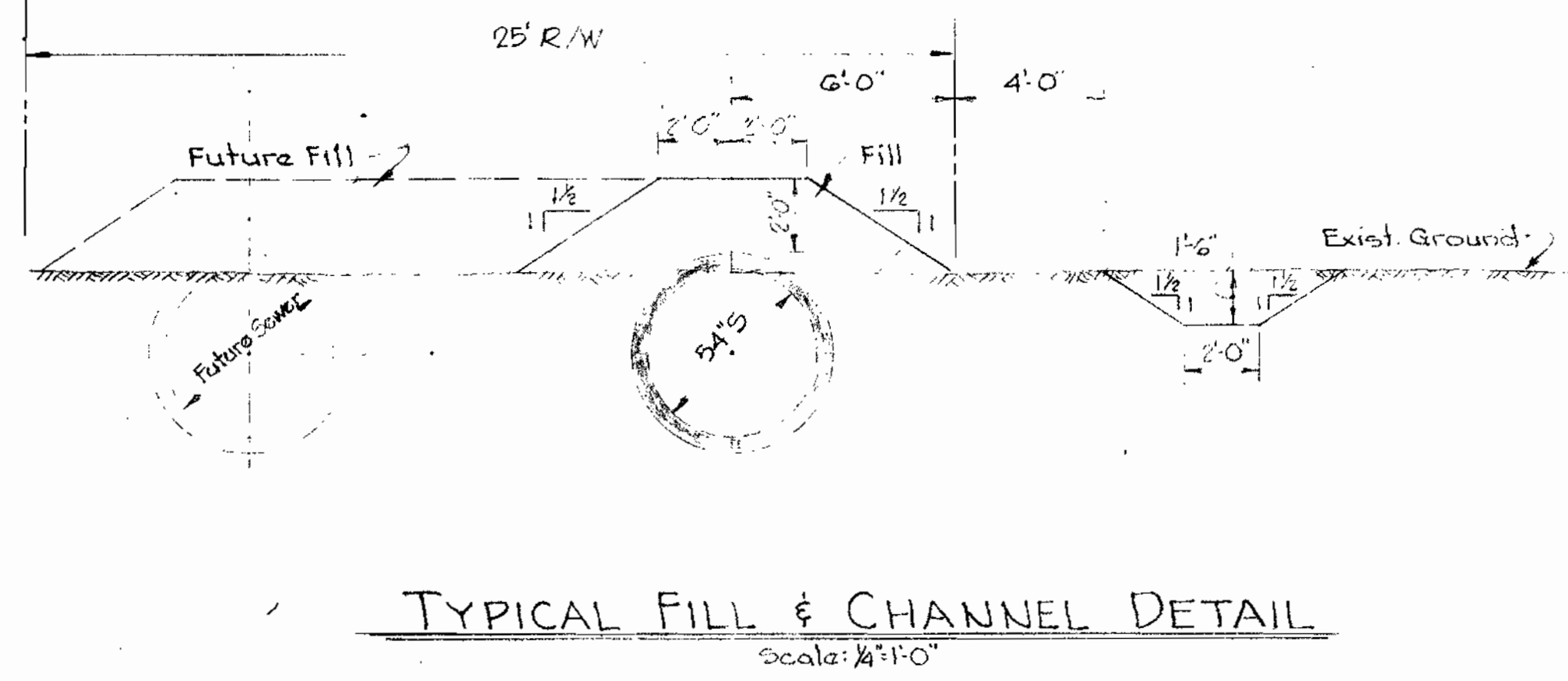
Size and type of connection shall be the same as bid for construction of Contract 22-5 H.C.M.C., 33" R.C.P. Cl. III



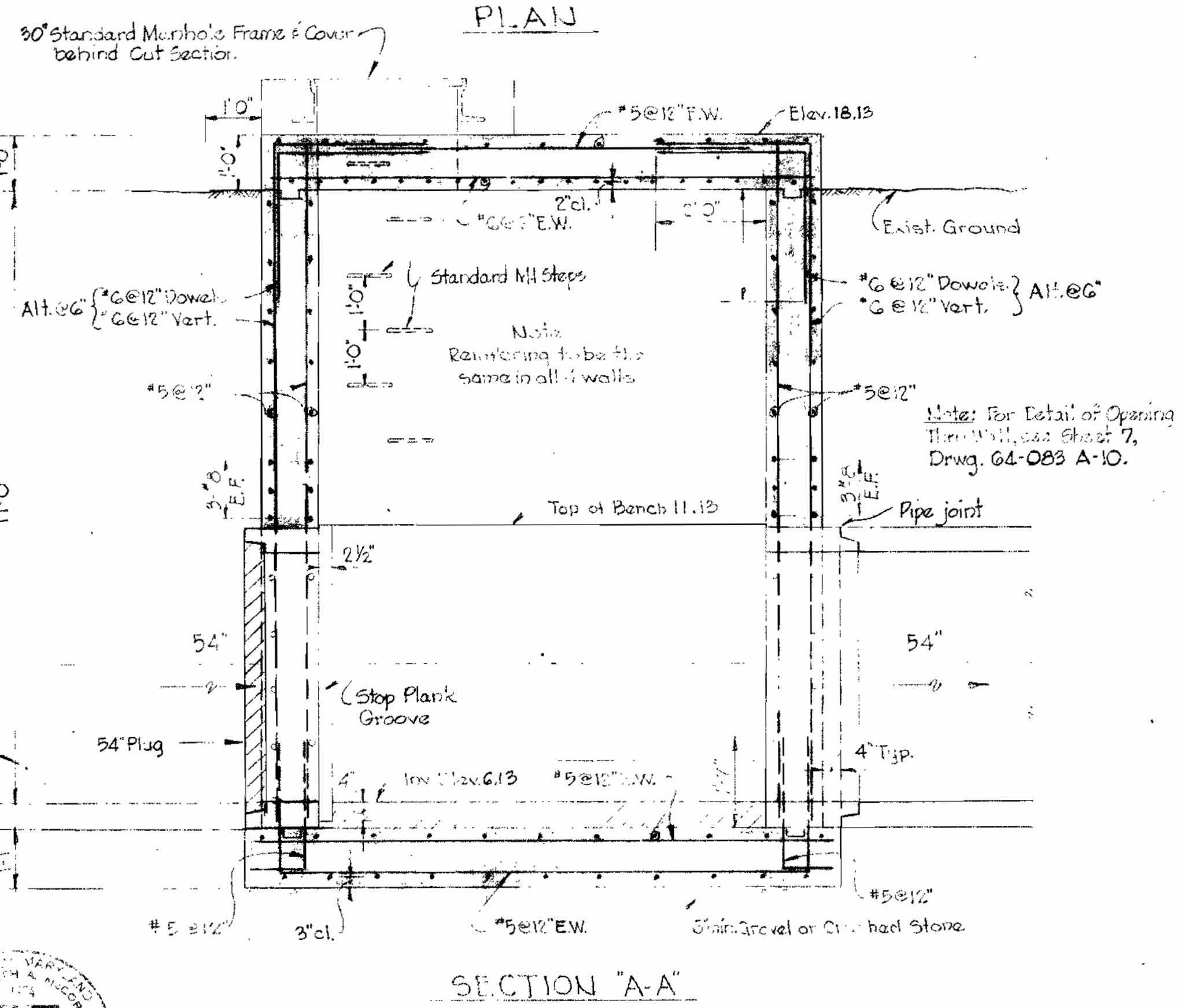
TOP SLAB



TYPICAL EARTH CHANNEL
Scale: 1/2" = 1'-0"

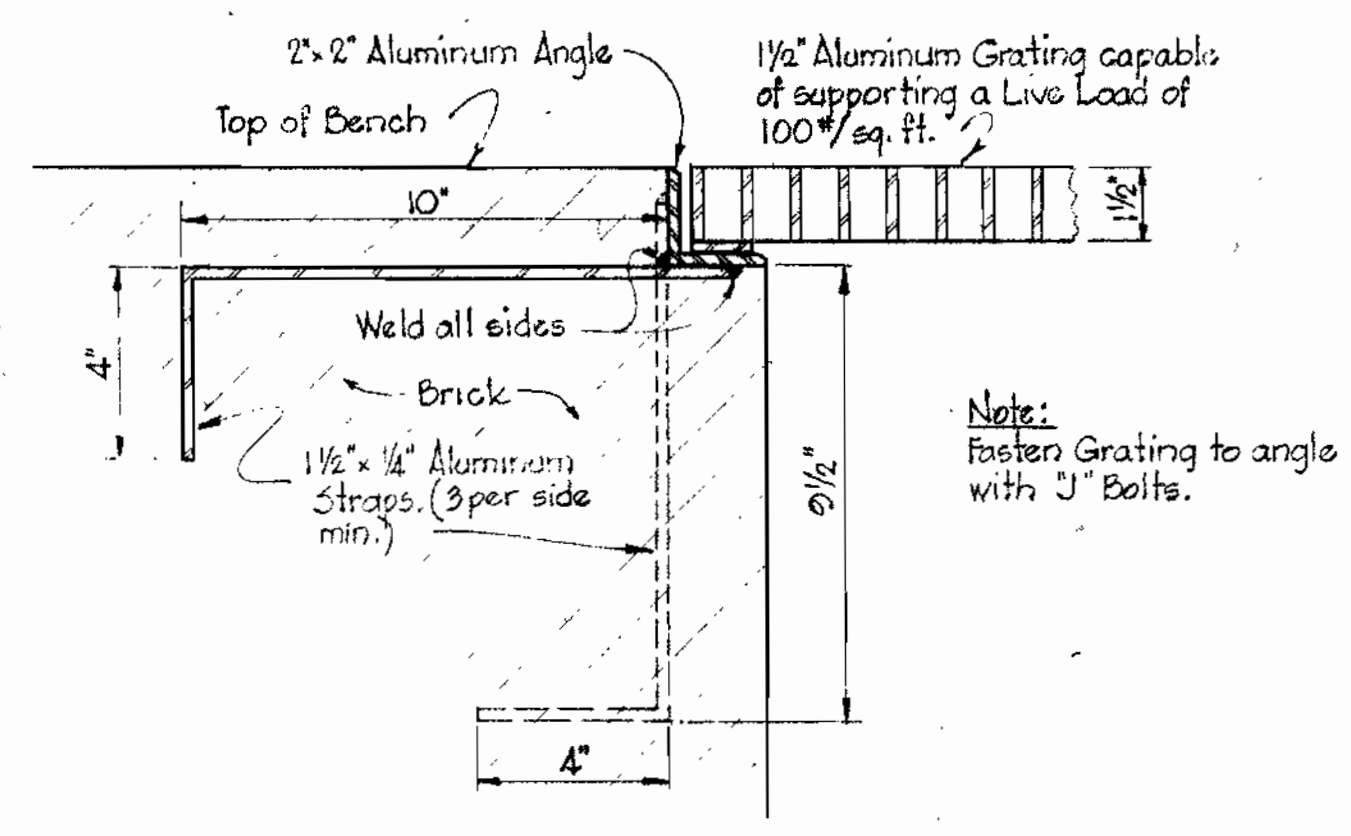


TYPICAL FILL & CHANNEL DETAIL
Scale: 1/2" = 1'-0"

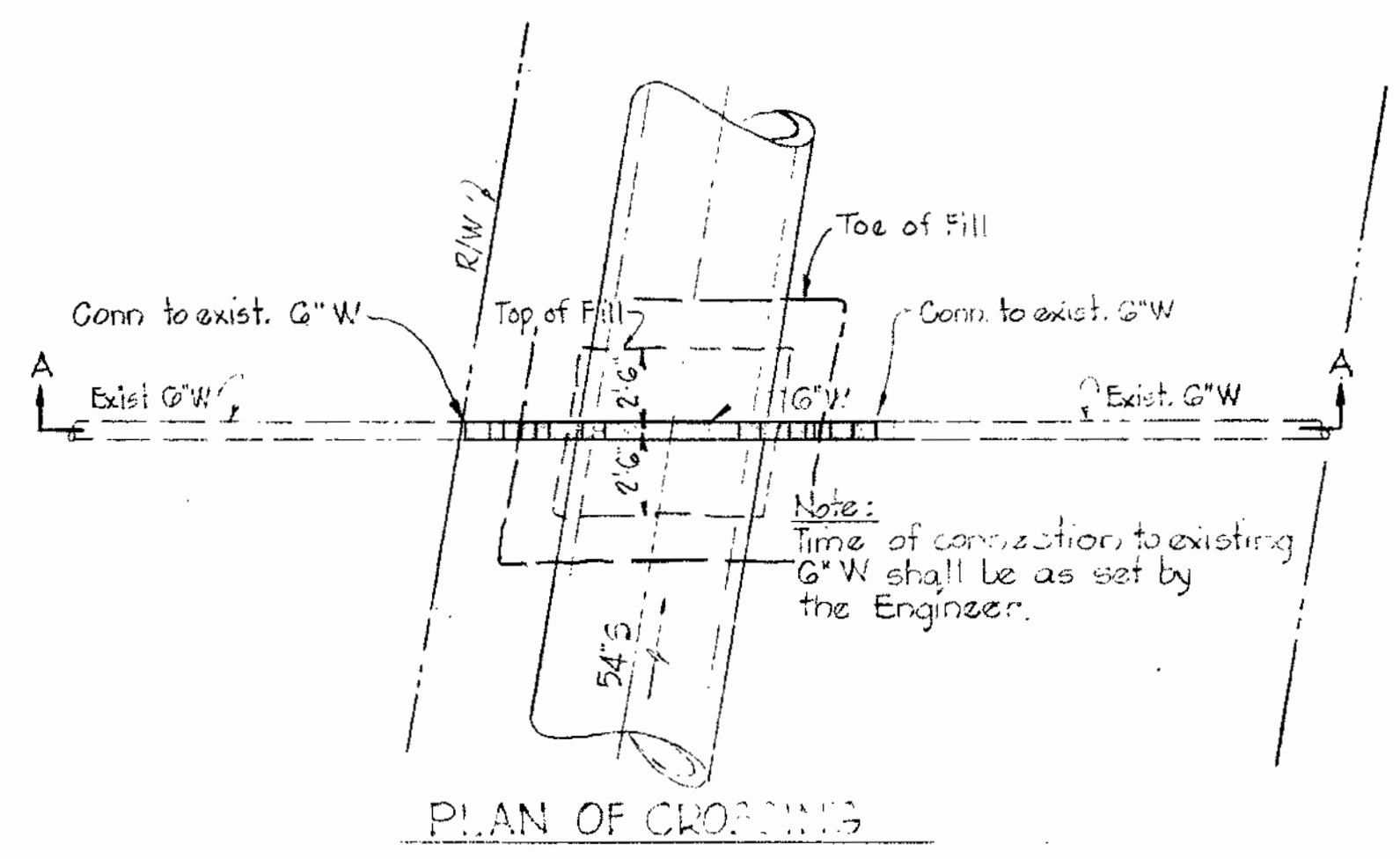


SECTION "A-A"

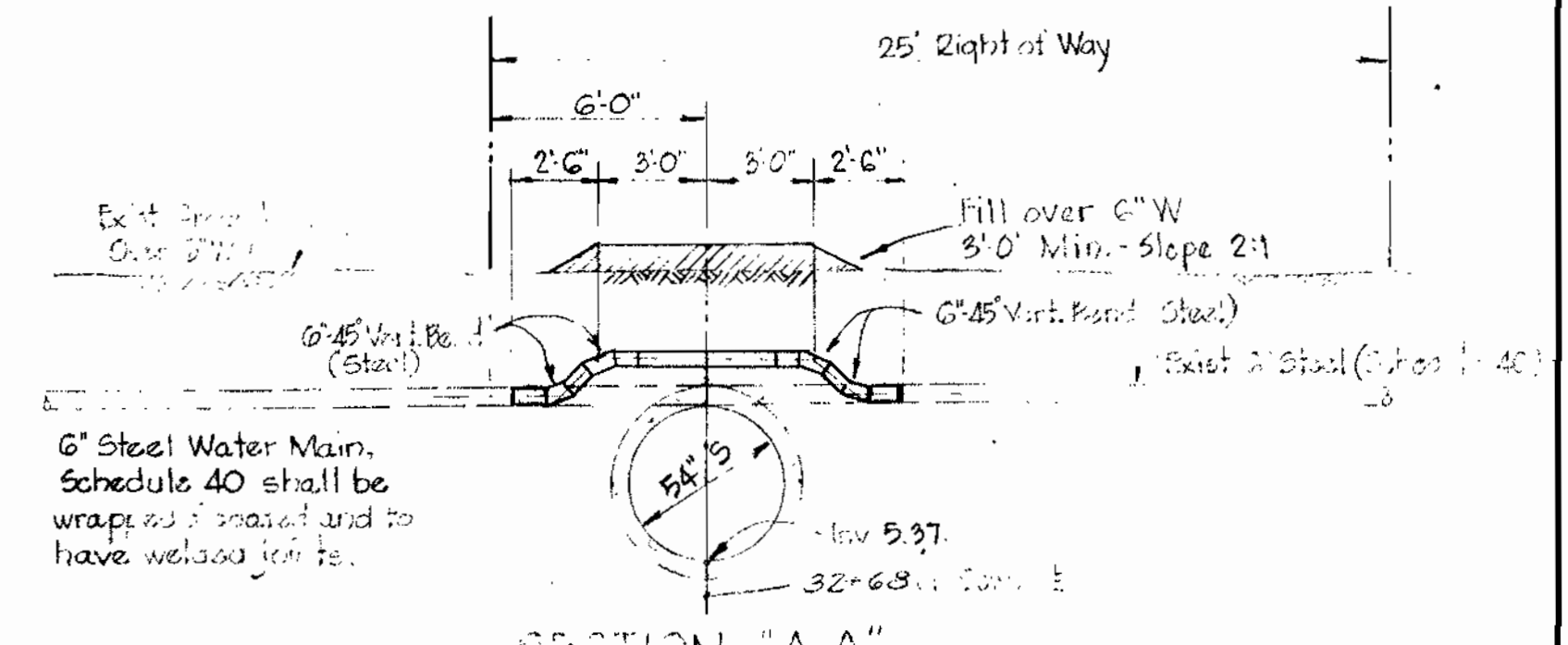
JUNCTION CHAMBER MANHOLE #33552
Scale: 1/2" = 1'-0"



DETAIL OF GRATING BRACKET
Scale: 3/8" = 1'-0"



PLAN OF CROSSING



SECTION "A-A"

DETAIL OF 6" WATER MAIN CROSSING
Scale: 1/2" = 1'-0"

PART "A"



ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	
DATE	RIGHT OF WAY REF.
	R/W 43-100

DEPARTMENT OF PUBLIC WORKS	
ENGINEER	DESIGNED
REG. NO.	DRAWN
DATE	CHECKED

BUREAU OF ENGINEERING	
APPROVED	APPROVED
DIRECTOR & CHIEF SANITARY ENGINEER	CHIEF
DATE	DATE

STORM DRAIN	WATER	SEWER	HIGHWAYS	STRUCTURES	FIELD LOCATION

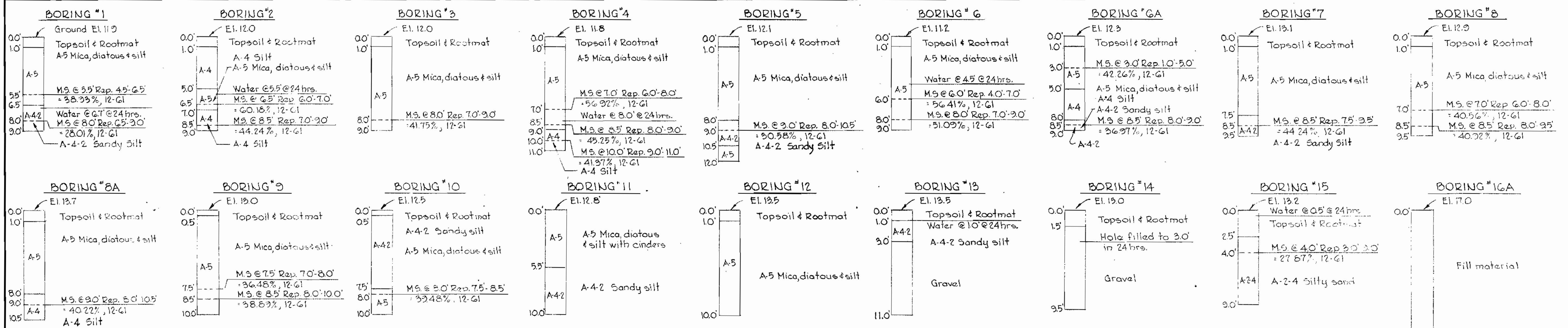
CONTRACT NO. 74S	HOWARD COUNTY METROPOLITAN COMMISSION	WHITMAN REQUARDT & ASSOCIATES ENGINEERS
	DATE	1304 ST. PAUL ST. BALTIMORE, MARYLAND
	CHIEF ENGINEER	

BALTIMORE COUNTY	DEPARTMENT OF PUBLIC WORKS	BUREAU OF ENGINEERING
54" SEWER PATAPSCO INTERCEPTOR HERBERT RUN TO STILLHOUSE RUN		
SCALE AS SHOWN	KEY SHEET C-N.W.	SHEET NO. 10
	POSITION SHEET	NO. 13
		J.O. 1-20-1
		64-086
		FILE: A-10

W.O. 4968-2

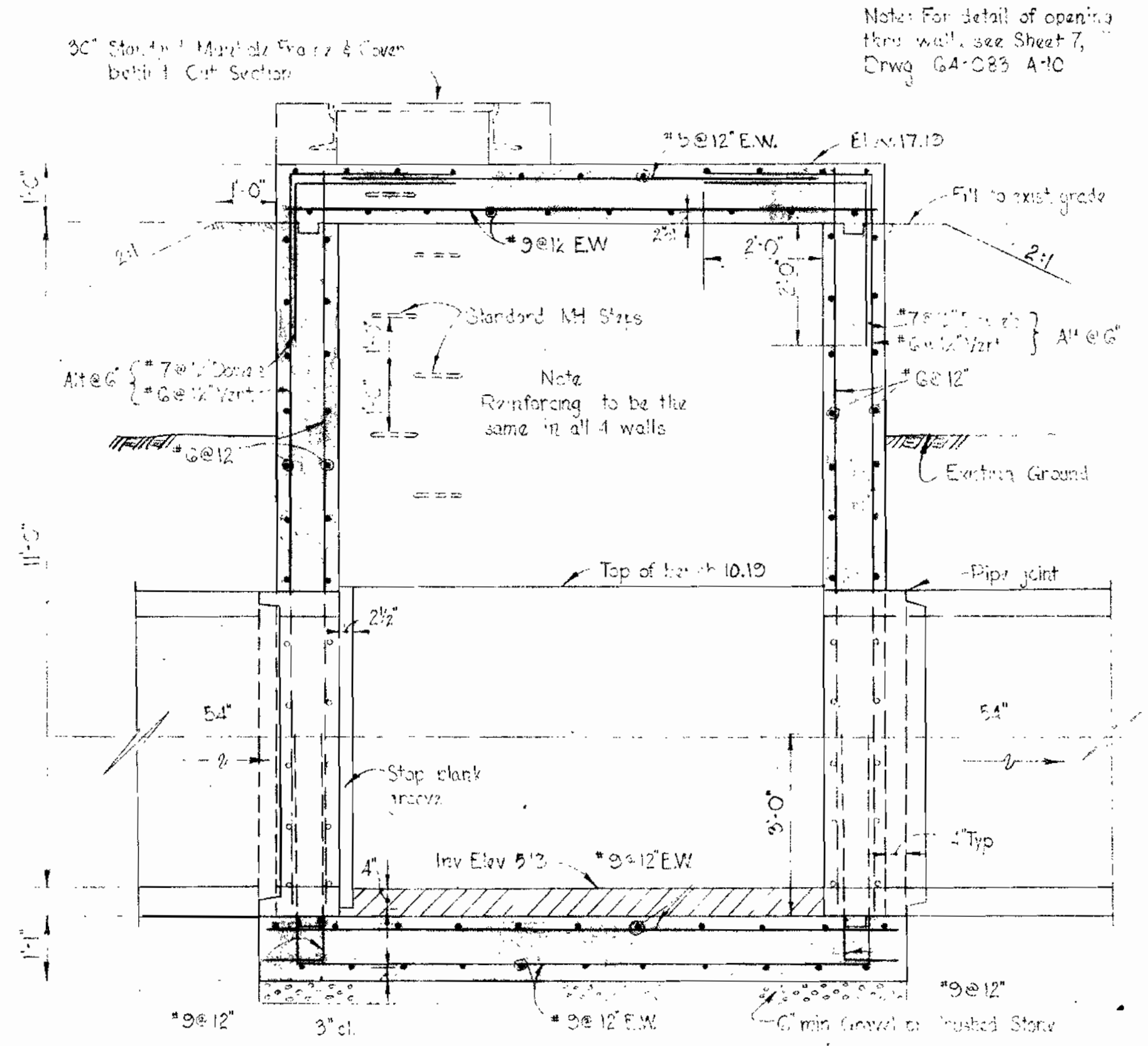
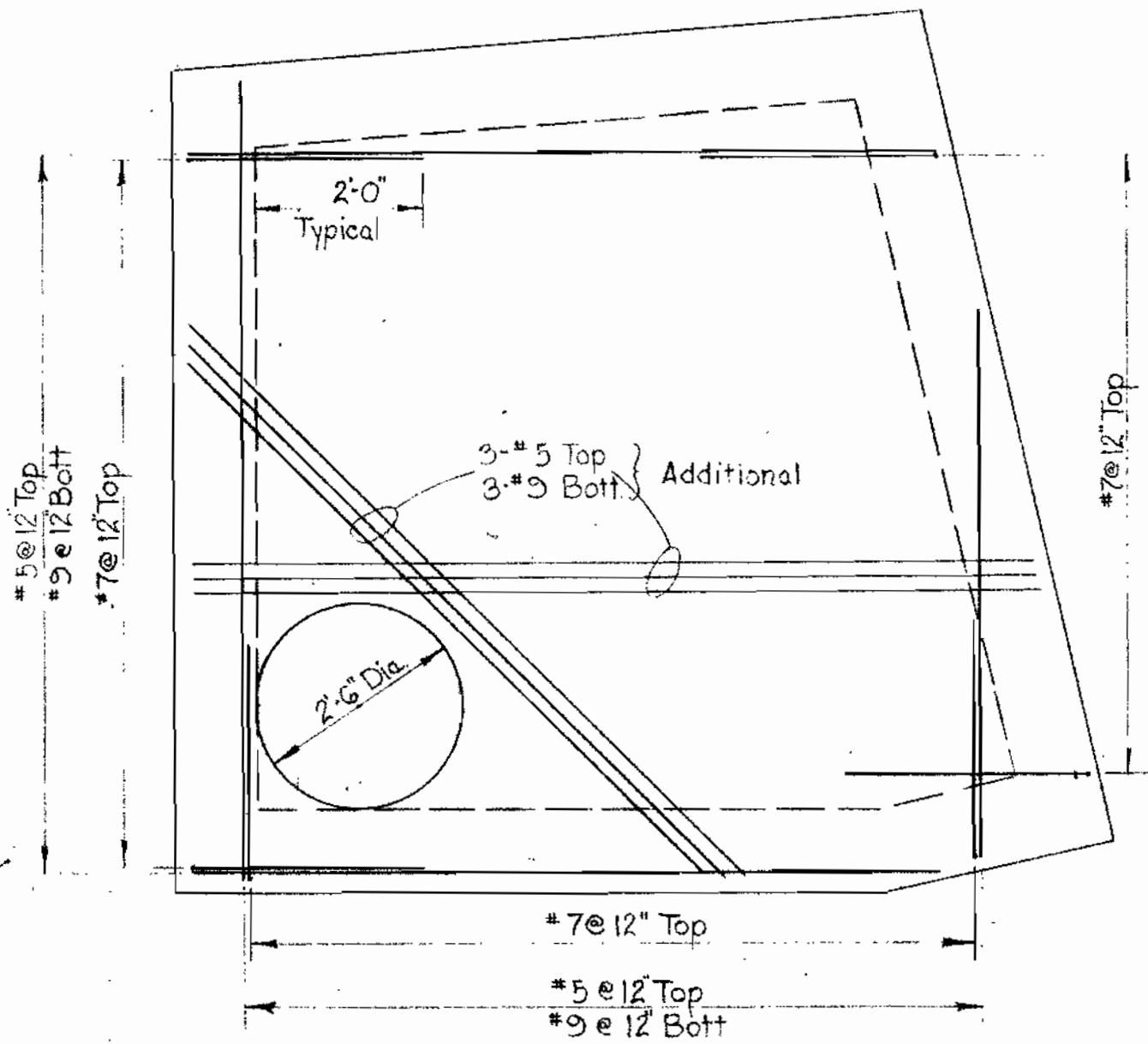
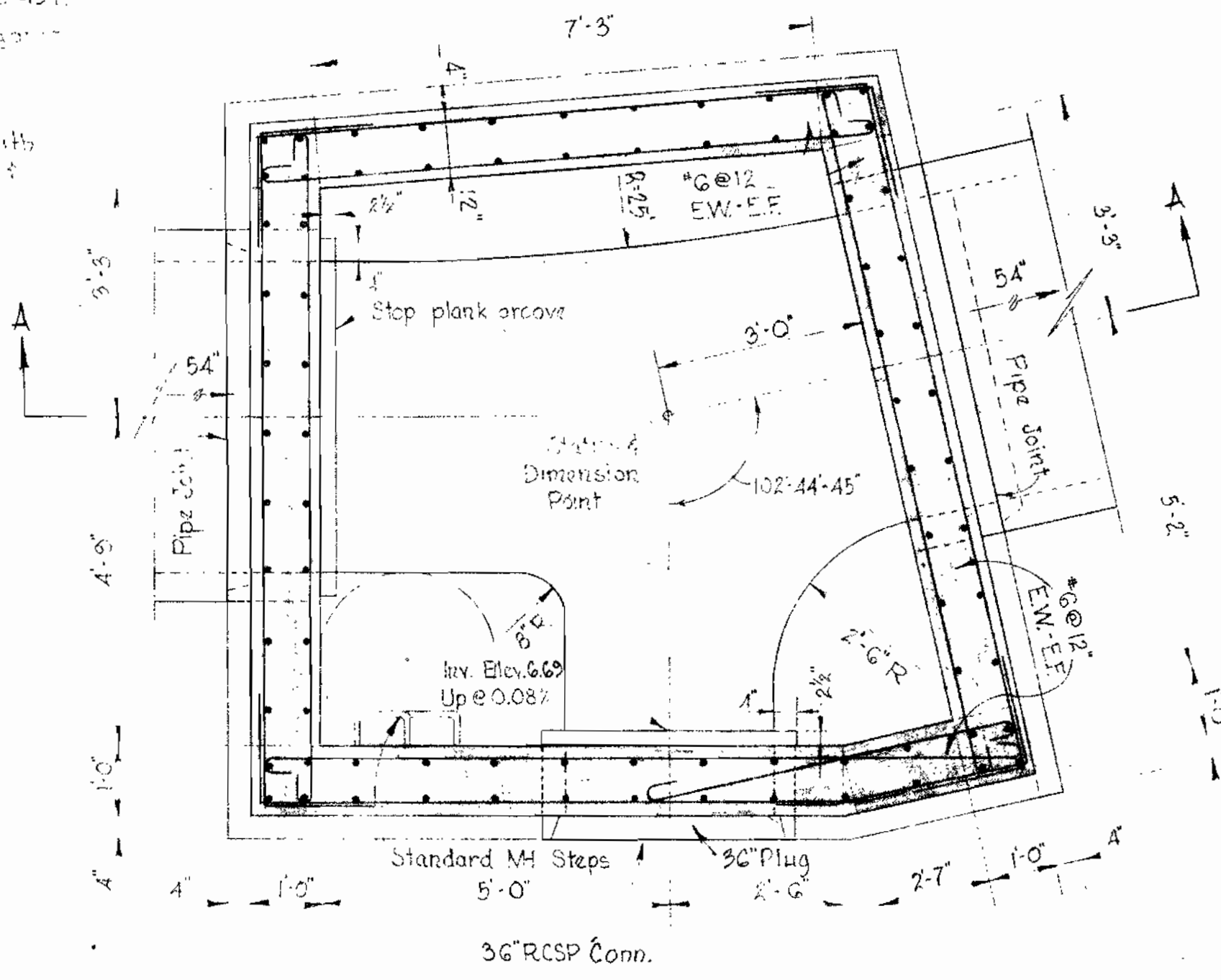
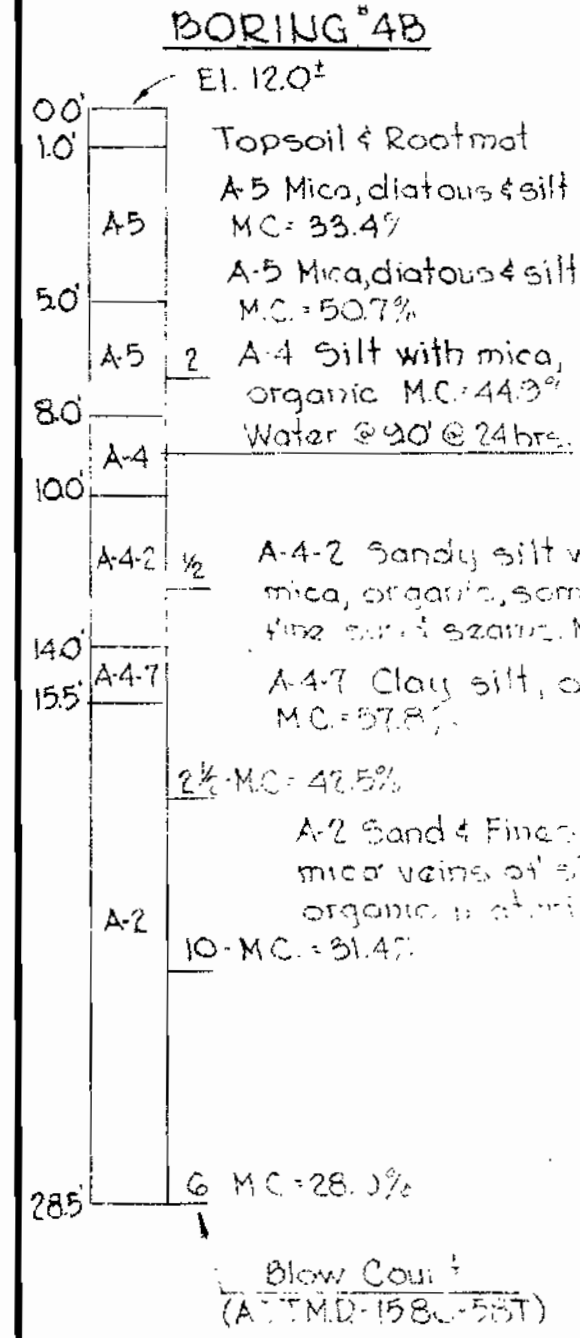
AS BUILT 23 AUG 65

WS 745/10



Note:
Soil Borings #1 thru #15 and #16A were taken by the Baltimore County Materials Testing Laboratory in December, 1961. Borings were made with a 6-inch auger drill. Soil boring #4B was taken by the B.C.M.T.L. in July, 1965. Log of borings are shown for informational purposes only. If the contractor relies, for any purpose upon the accuracy or completeness of said Borings and the results obtained by the borings, he does so at his own risk.

LOG OF BORINGS



JUNCTION CHAMBER MANHOLE No. 33547
Scale: 1/2"=1'-0"

ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	



DATE	RIGHT OF WAY REF.	ENGINEER	DEPARTMENT OF PUBLIC WORKS
	B.M. 65-106		
REG. NO.	DESIGNED	APPROVED	APPROVED
		Director & Chief Sanitary Engineer	Chief
DATE	DRAWN	DATE	DATE
	CHECKED		

BUREAU OF ENGINEERING					
STORM DRAINS	WATER	SEWER	HIGHWAYS	STRUCT. UTILITIES	FIELD LOCATION
B-7	B-7	B-7	B-7	B-7	B-7
3-7-64	3-7-64	3-7-64	3-7-64	3-7-64	3-7-64

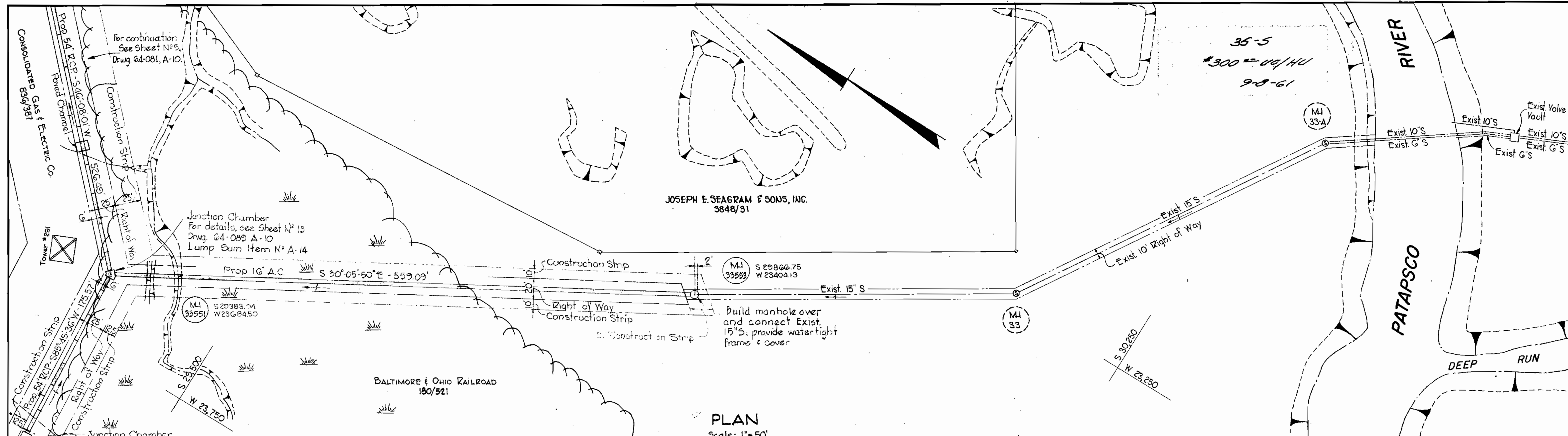
CONTRACT NO. 74S		HOWARD COUNTY METROPOLITAN COMMISSION	WHITMAN, REQUARDT & ASSOCIATES
DATE	CHIEF ENGINEER	DATE	CHIEF ENGINEER
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING			
54\"/>			

10-14-64	64\"/>
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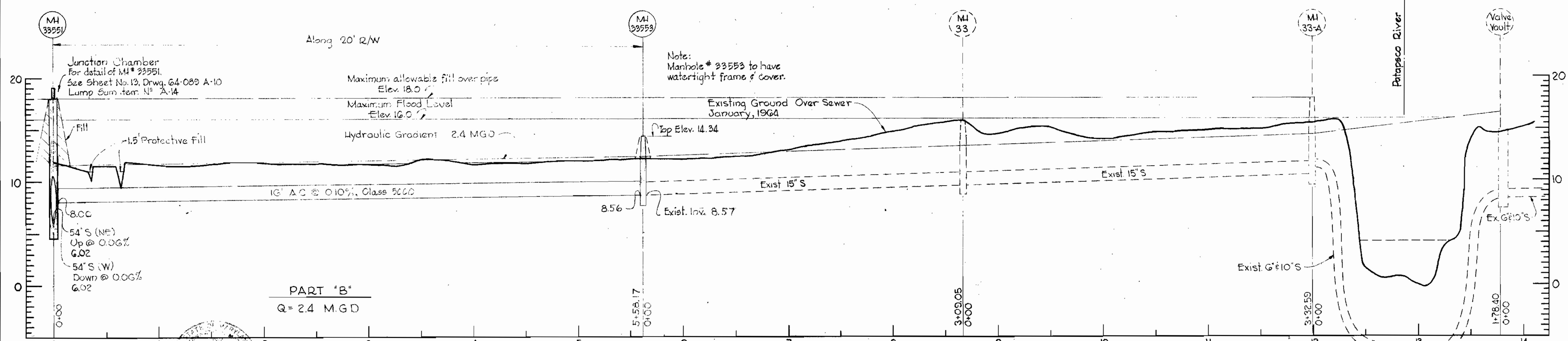
W.O. 496B-2

AS BUILT 23 AUG 65

WS 74S/11



PLAN
Scale: 1"=50'



PART "B"
Q = 2.4 MGD

PROFILE
Scale: Vert: 1"=5'
Horiz: 1"=50'

D.P.W. Directive No. 836 (2nd Remand)

ROAD PERMIT AND GRADES	
PERMIT REQUESTED	
PERMIT NUMBER	
GRADE ESTABLISHED	
PROFILE NUMBER	
DATE	RIGHT OF WAY REF.
	R/W 63-106

DEPARTMENT OF PUBLIC WORKS		BUREAU OF ENGINEERING	
APPROVED	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>
DIRECTOR & CHIEF SANITARY ENGINEER		CHIEF	
REG. NO.	DESIGNED	DATE	4/6/64
	DRAWN	DATE	4/6/64
	CHECKED		

HOWARD COUNTY METROPOLITAN COMMISSION		WHITMAN REQUARDT & ASSOCIATES	
CONTRACT NO.	74 S	ENGINEERS	
DATE		1304 ST. PAUL ST.	
		BALTIMORE, MARYLAND	
		CHIEF ENGINEER	
		BALTIMORE COUNTY	DEPARTMENT OF PUBLIC WORKS
		BUREAU OF ENGINEERING	
		STONEY RUN TRUNK SEWER	
		CONNECTION TO PATAPSCO INTERCEPTOR	
		ELECT. DIST. NO. 13	

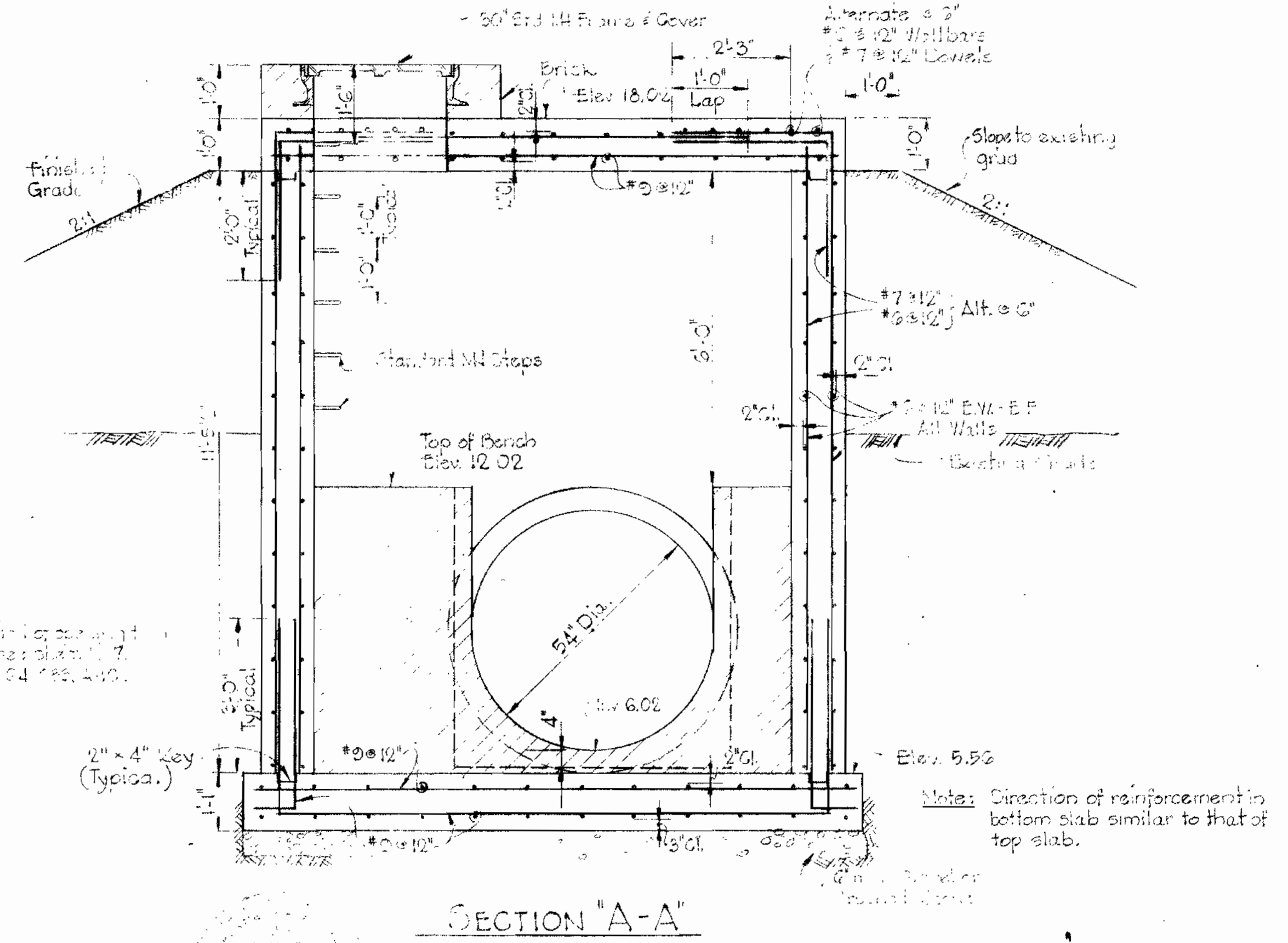
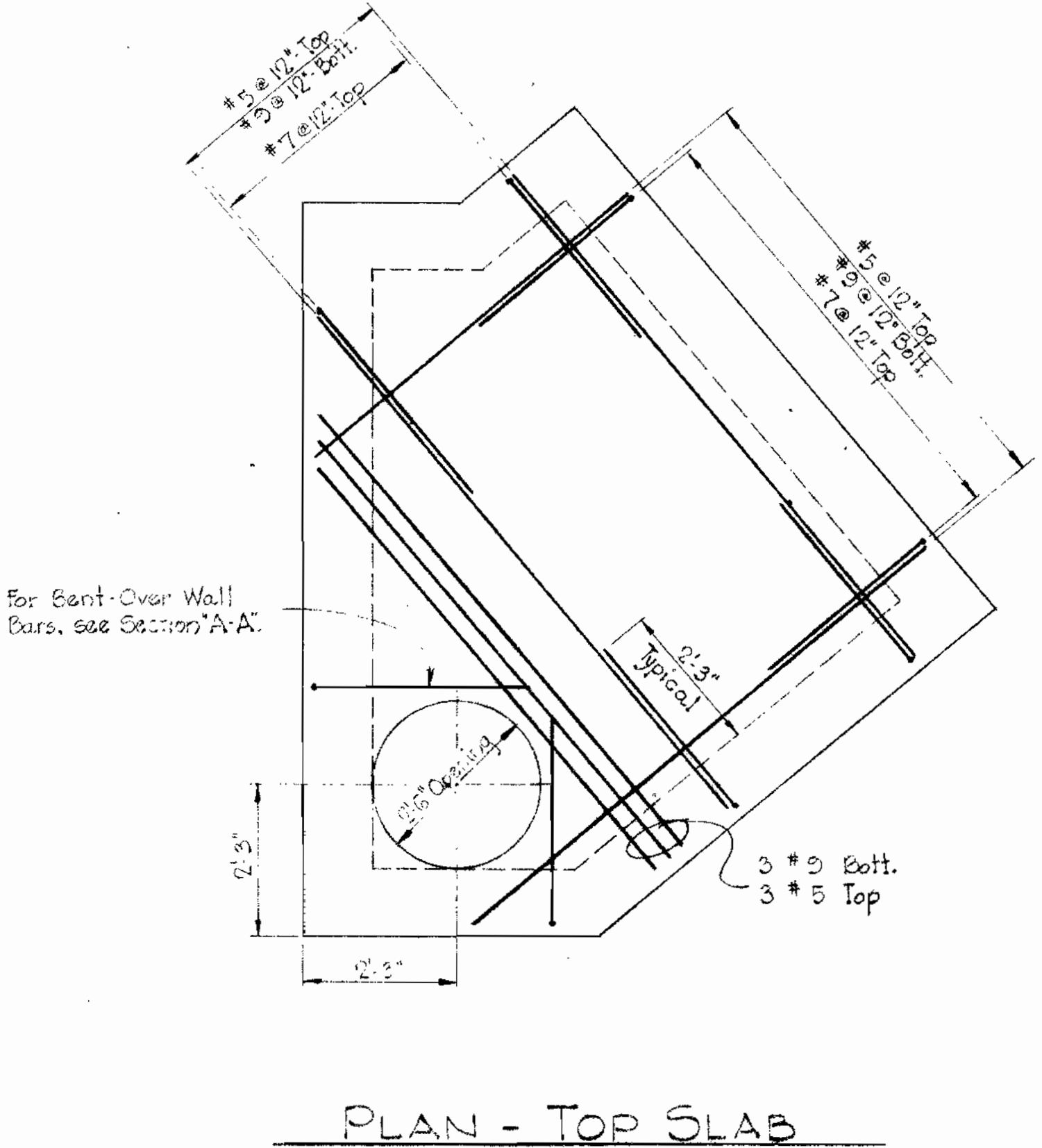
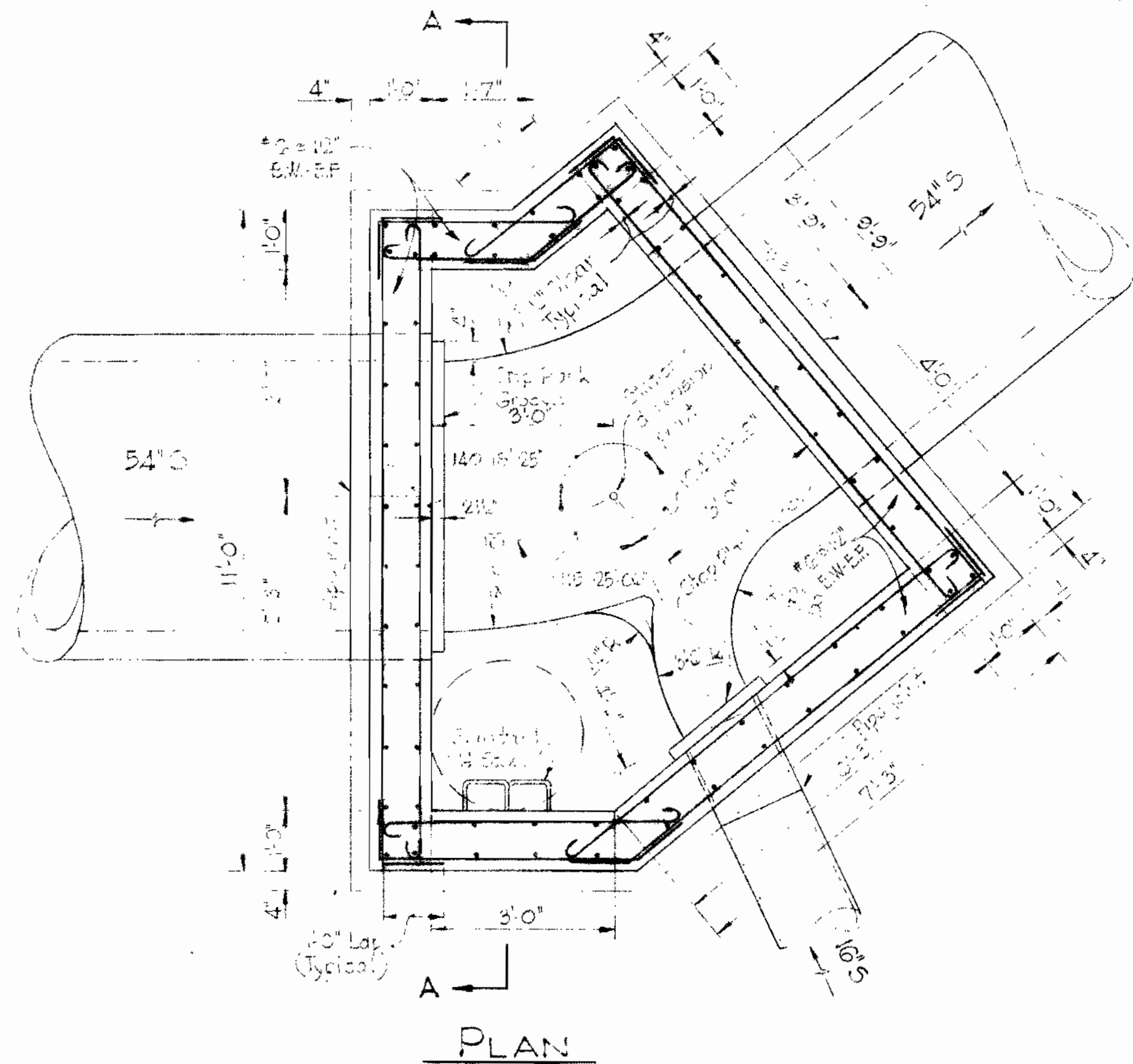
KEY SHEET		SHEET	
10-16-64	54" SEWER LOWERED 1.0'	NO.	12
DATE	REVISION	J.O.	1-20-1
		NO.	64-088
		OF	13
		FILE	A-10

4968

AS BUILT 23 AUG 65

Planfile 4 Pocket 11 Folder 2

WS 74S/12



Notes:
 For details of bent-over wall bars, see Section A-A.
 Dwg. 64-089-100

SECTION "A-A"
JUNCTION CHAMBER MANHOLE
 54" Dia. 18.04'

PART "A"

ROAD PERMIT AND GRADES PERMIT REQUESTED _____ PERMIT NUMBER _____ GRADE ESTABLISHED _____ PROFILE NUMBER _____		DEPARTMENT OF PUBLIC WORKS APPROVED: <i>[Signature]</i> DIRECTOR & CHIEF SANITARY ENGINEER DATE: 4/1/64		BUREAU OF ENGINEERING APPROVED: <i>[Signature]</i> CHIEF DATE: 4/1/64		CONTRACT NO. 74 S		HOWARD COUNTY METROPOLITAN COMMISSION DATE _____ CHIEF ENGINEER _____		WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND		10-14-64 DATE 54" SEWER LOWERED 1.0' REVISION DRAWING COMPLETED <i>6-28-1964</i>		C.A.M. BY _____	
DATE RIGHT OF WAY REF. 8/11/63-106		ENGINEER REG. NO. _____ DESIGNED _____ DRAWN _____ CHECKED _____ DATE _____		STORM DRAINS _____		WATER _____		SEWER _____		HIGHWAYS _____		STRUCTURES _____		FIELD LOCATION _____	
						BALTIMORE COUNTY		DEPARTMENT OF PUBLIC WORKS		BUREAU OF ENGINEERING		SCALE AS SHOWN		KEY SHEET C-N.W.	
						ST. DENNIS		10" SEWER CONNECTION TO PATAPSCO INTERCEPTOR		ELECT. DIST. #13		NO. 13 OF 13		J.O. 1-20-1 64-089 FILE: A-10	

W.O. 4968

AS BUILT 23 AUG 65

WS 7HS/13