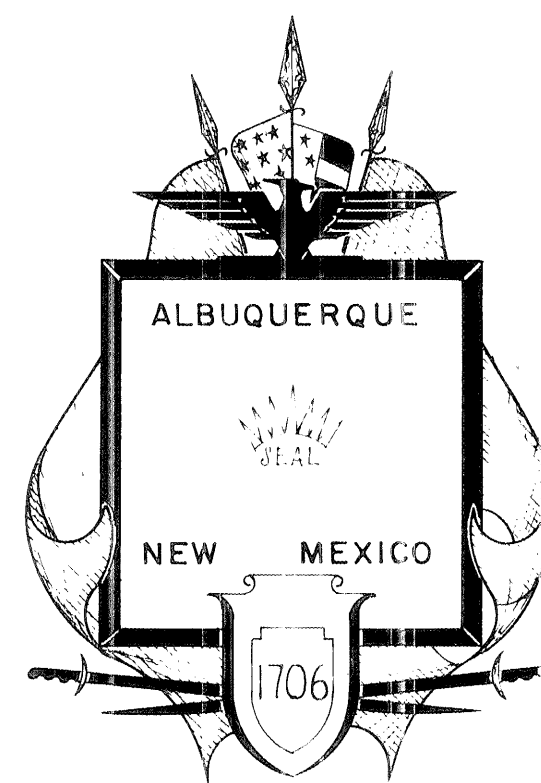




CITY OF ALBUQUERQUE
DEPARTMENT OF PUBLIC WORKS

PLANS
FOR CONSTRUCTION
OF

I-025 INTERCEPTOR STORM DRAIN

08 002 0172

APPROVAL OF AS BUILT DRAWINGS
BY CITY ENGINEER - FIELD
McKearney
DATE 4-4-85



AS CONSTRUCTED

CHAIRMAN OF THE CITY COMMISSION & EX-OFFICIO MAYOR *George E. Kimery*
CITY MANAGER *Frank Herkenhoff*
CITY ATTORNEY *Frank Herkenhoff*

DIRECTOR OF PUBLIC WORKS _____
CITY ENGINEER *William J. Thomas*



GORDON HERKENHOFF AND ASSOCIATES
ENGINEERS · PLANNERS



ALBUQUERQUE, NEW MEXICO

1-025 INTERCEPTOR STORM DRAIN

LOCATION MAP

AS CONSTRUCTED

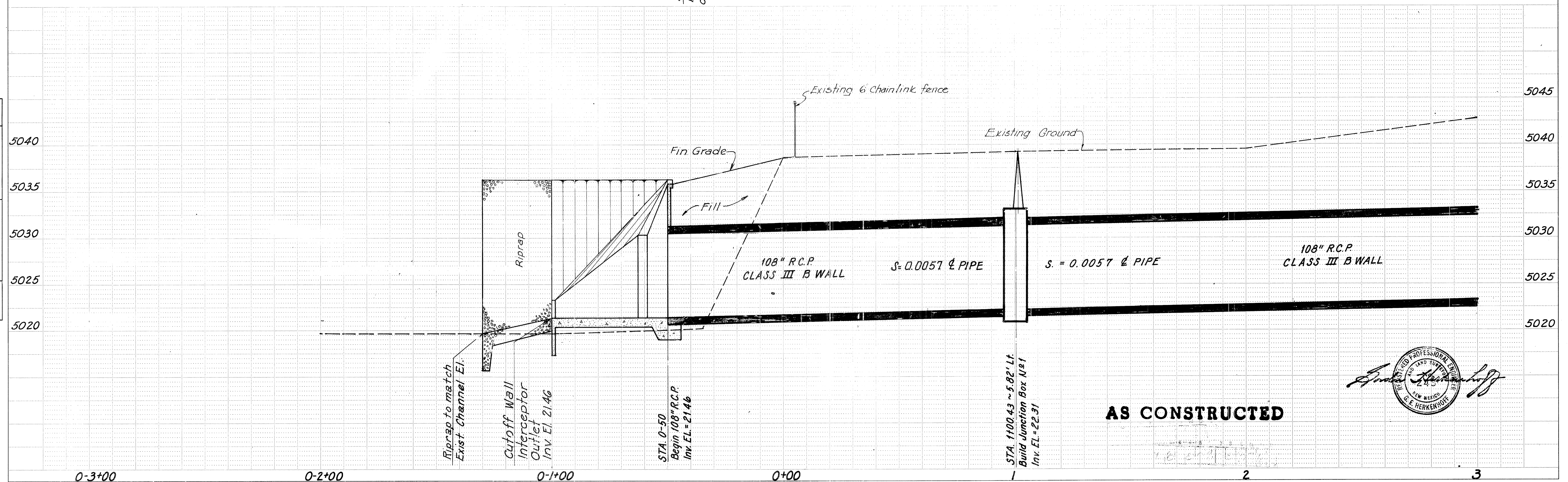
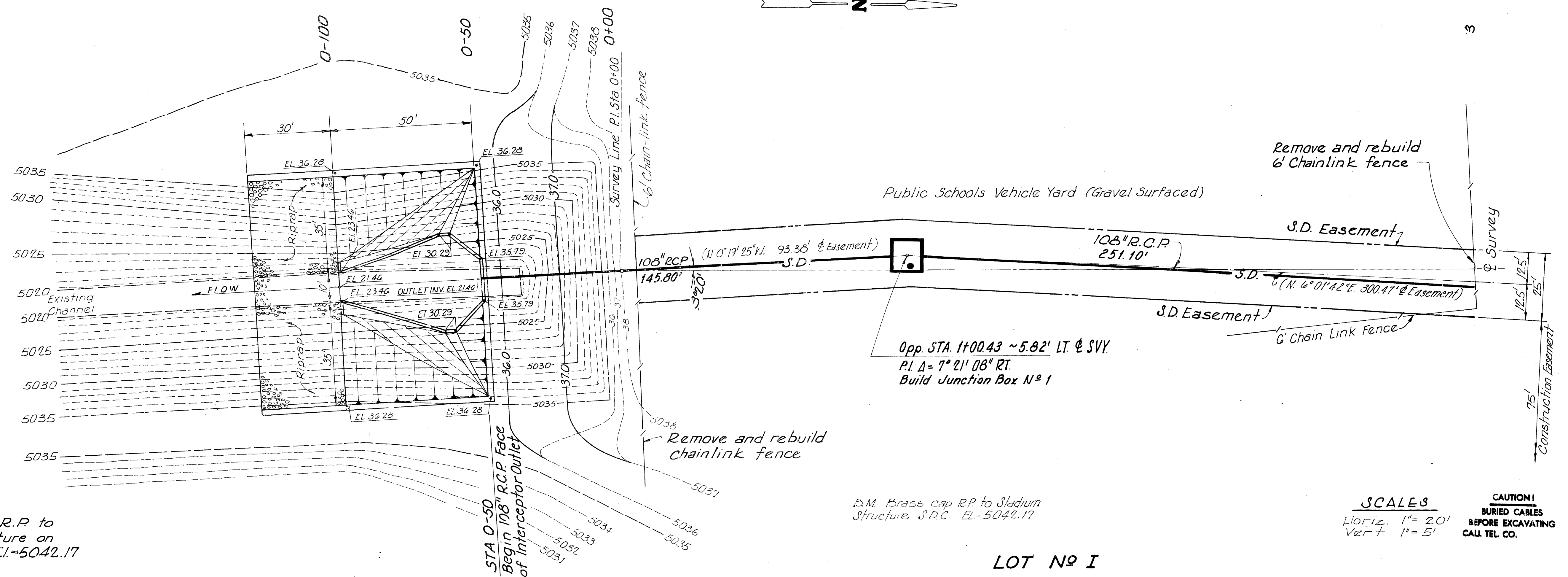
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS

ALBUQUERQUE	DATE	DRAWN: A.A.L.	SHEET 2
SCALE	Feb. 1972	CHECKED: G.A.J.	OF 25

PLAN	DATE	BY
DESIGNED		
PLOTTED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
DESIGNED		
PLOTTED		
NOTE BOOK		
NO.		

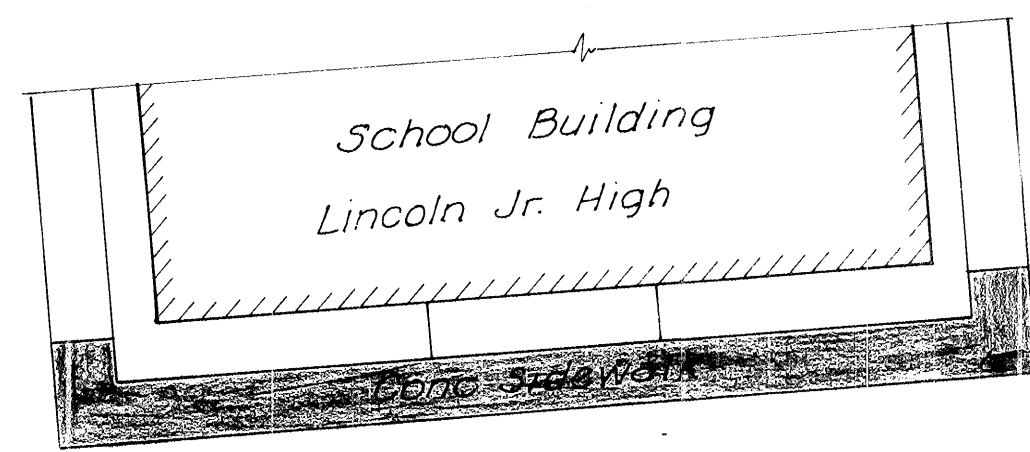
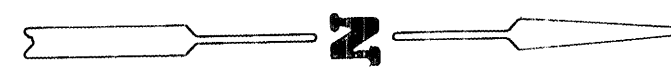
Bench Mark: Brass Cap R.P. to Stadium Boulevard Structure on South Diversion Channel E.L.=5042.17



PLAN	SURVEYED	DATE
NO.	BY	

PROFILE	SURVEYED	DATE
NO.	BY	

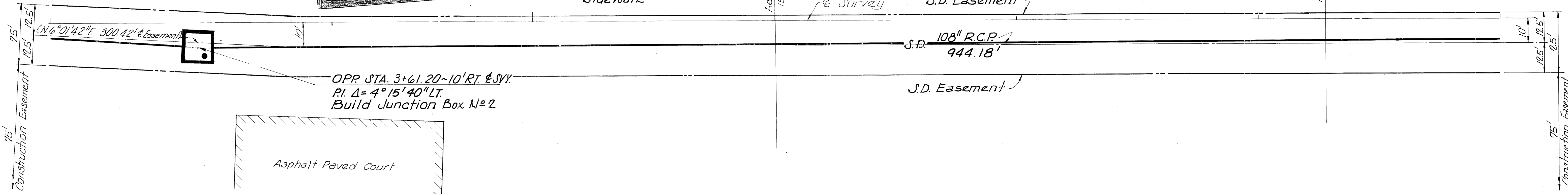
Bench Mark - N.E. Cor. Sidewalk @
N.E. of Lincoln Jr. High El. 5044.14



Remove and replace
sidewalk

Aerial Cable Xing
15' Clearance

Aerial Crossing
(Drop Wire)



B.M. = N.E. Corner of sidewalk at
N.E. of Lincoln Jr. High. El. 5044.14

LOT NO I

SCALE 8
Horiz. 1" = 20'
Vert. 1" = 5'

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

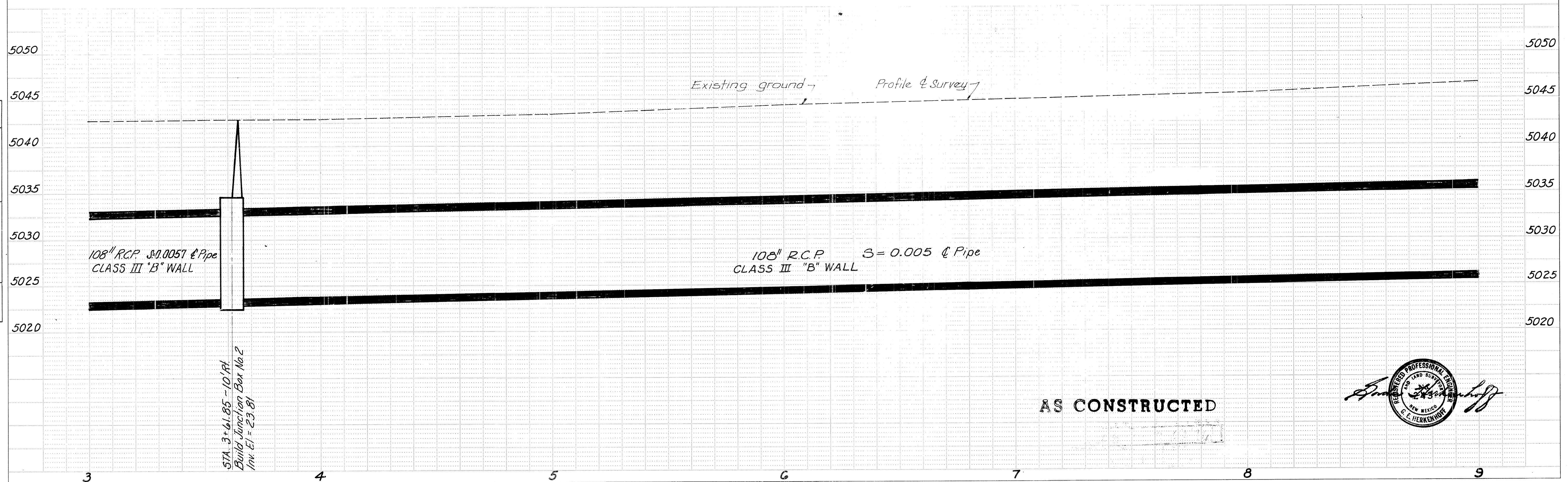


PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

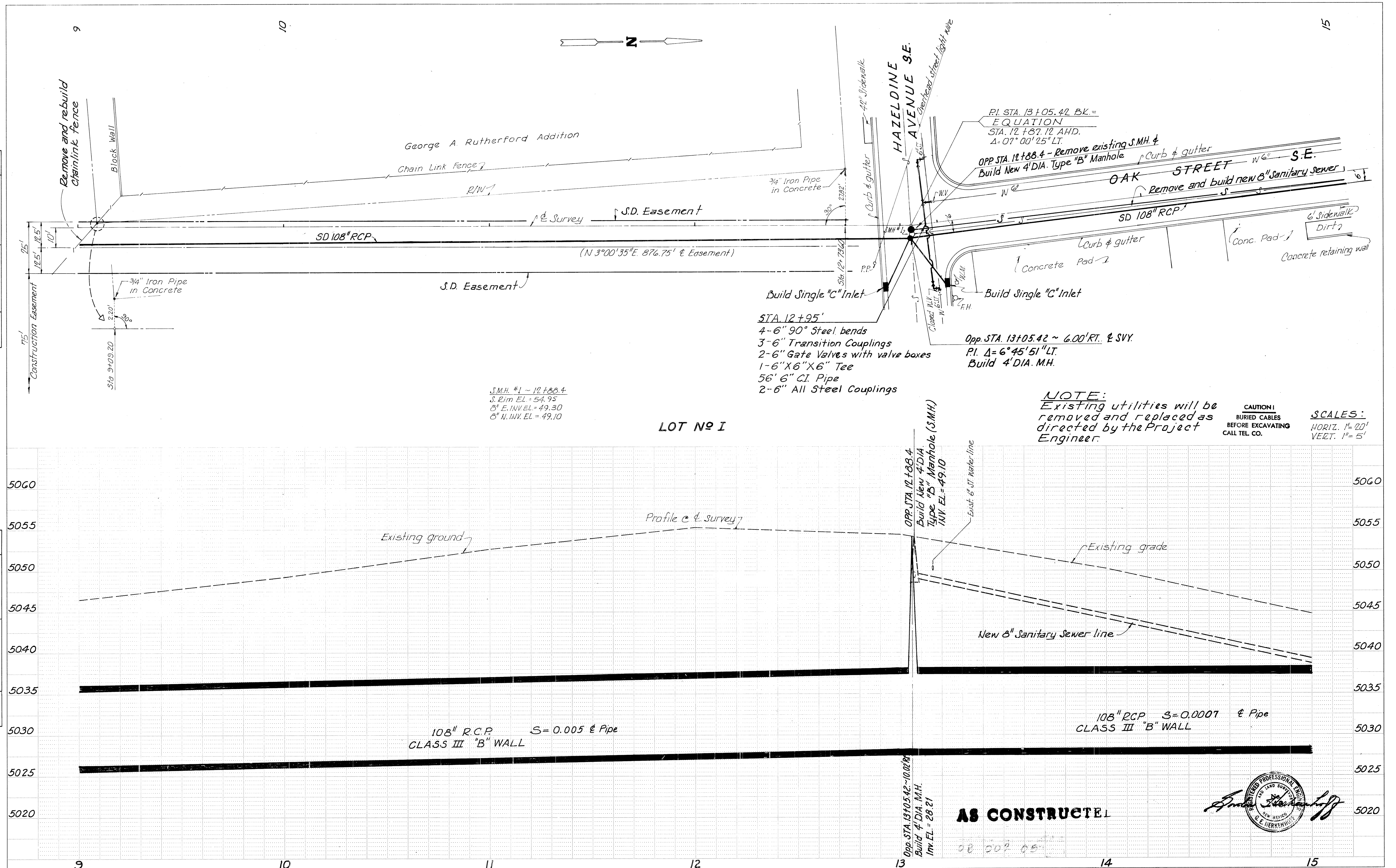
I-025 INTERCEPTOR STORM DRAIN

SHEET 4 OF 25 SHEETS

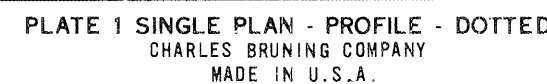


PLAN	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
NO.	

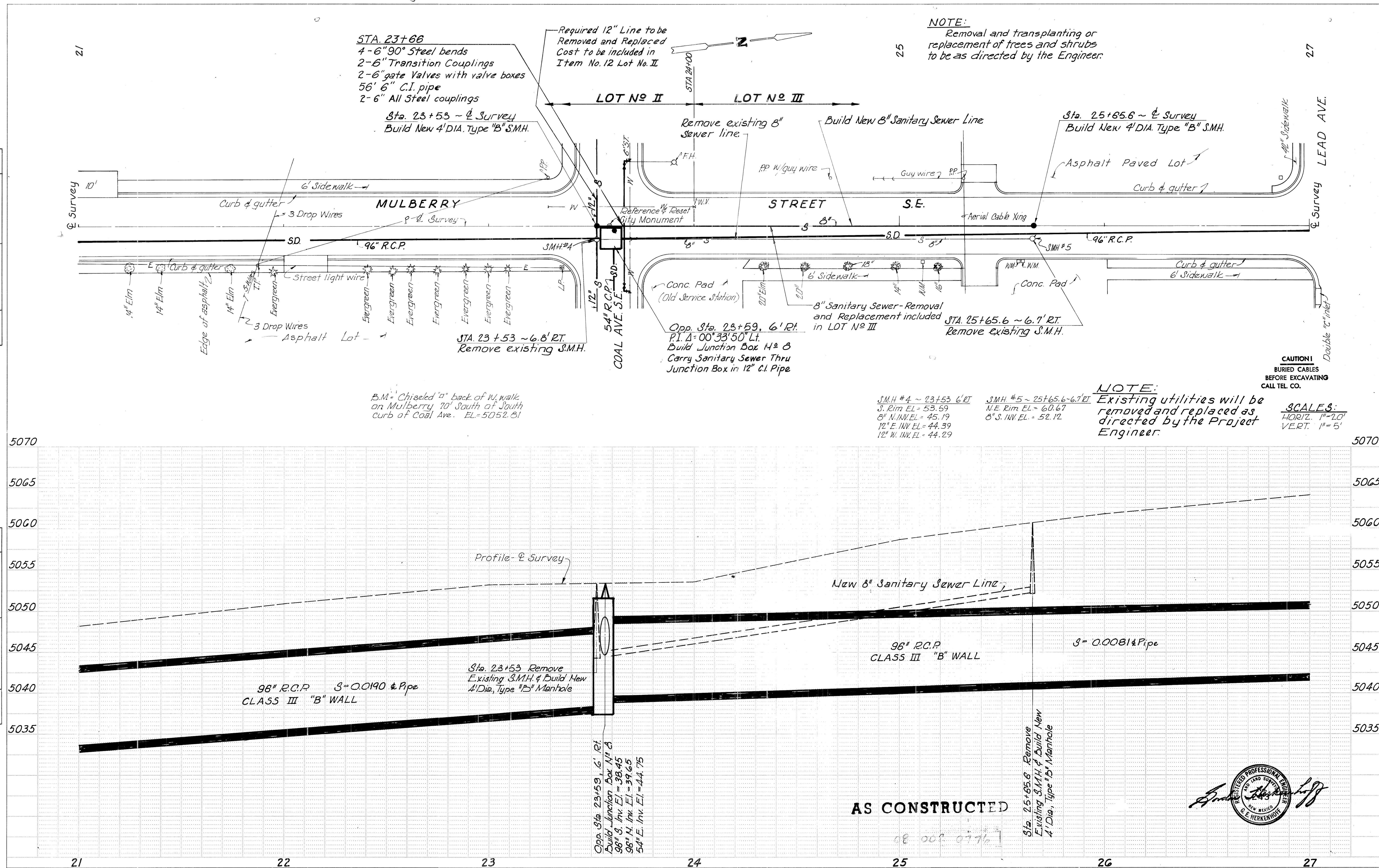
PROFILE	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
NO.	



PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M.'s NOTED			
STRUCTURE NOTATIONS CHECKED			
NOTE BOOK			
NO. _____			

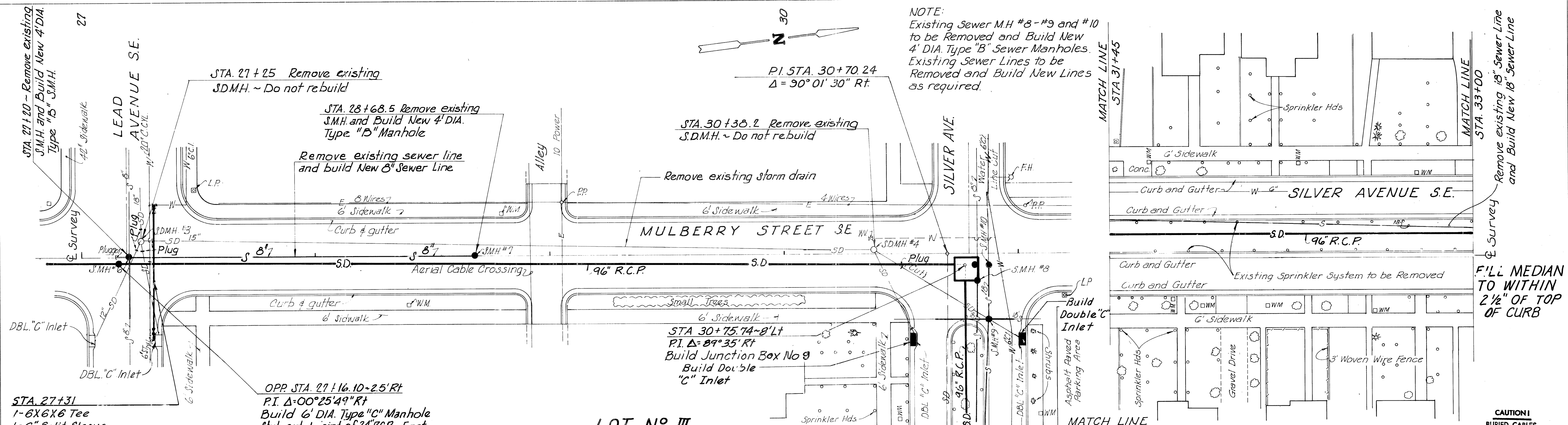


PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M.'s NOTED			
STRUCTURE NOTAT'NS CH'KD			

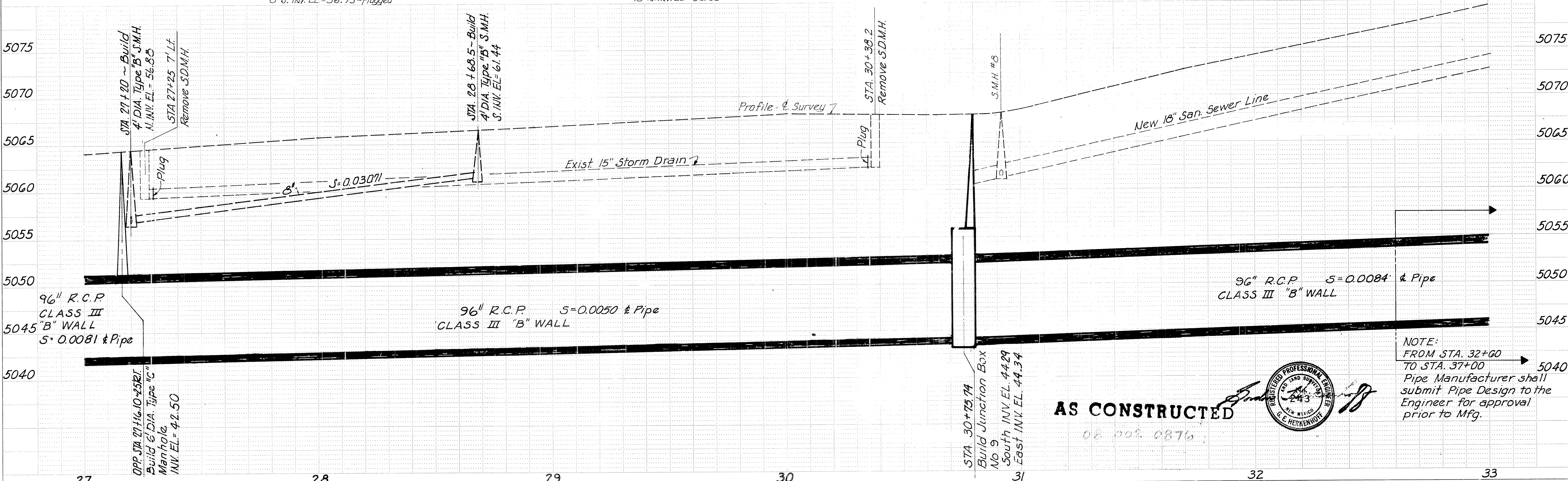


PLAN	DATE	BY	CHECKED	NO.
SURVEYED				
PLOTTED				
GRADES CHECKED				
STRUCTURE NOTATIONS OK'D				

PROFILE	DATE	BY	CHECKED	NO.
SURVEYED				
PLOTTED				
GRADES CHECKED				
STRUCTURE NOTATIONS OK'D				



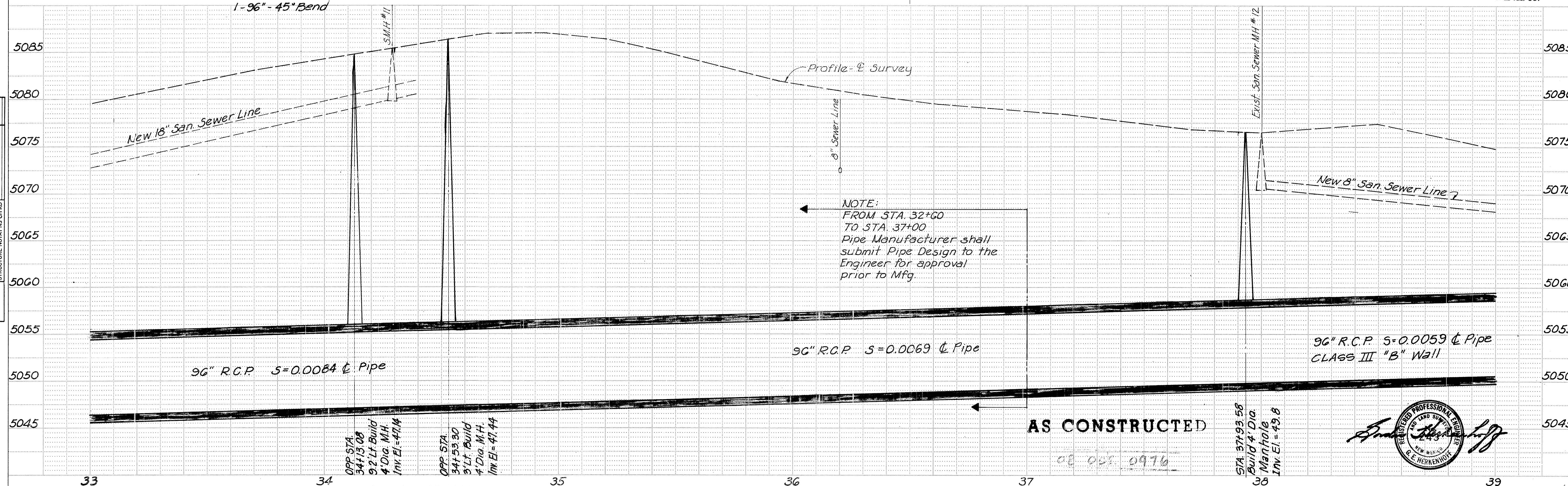
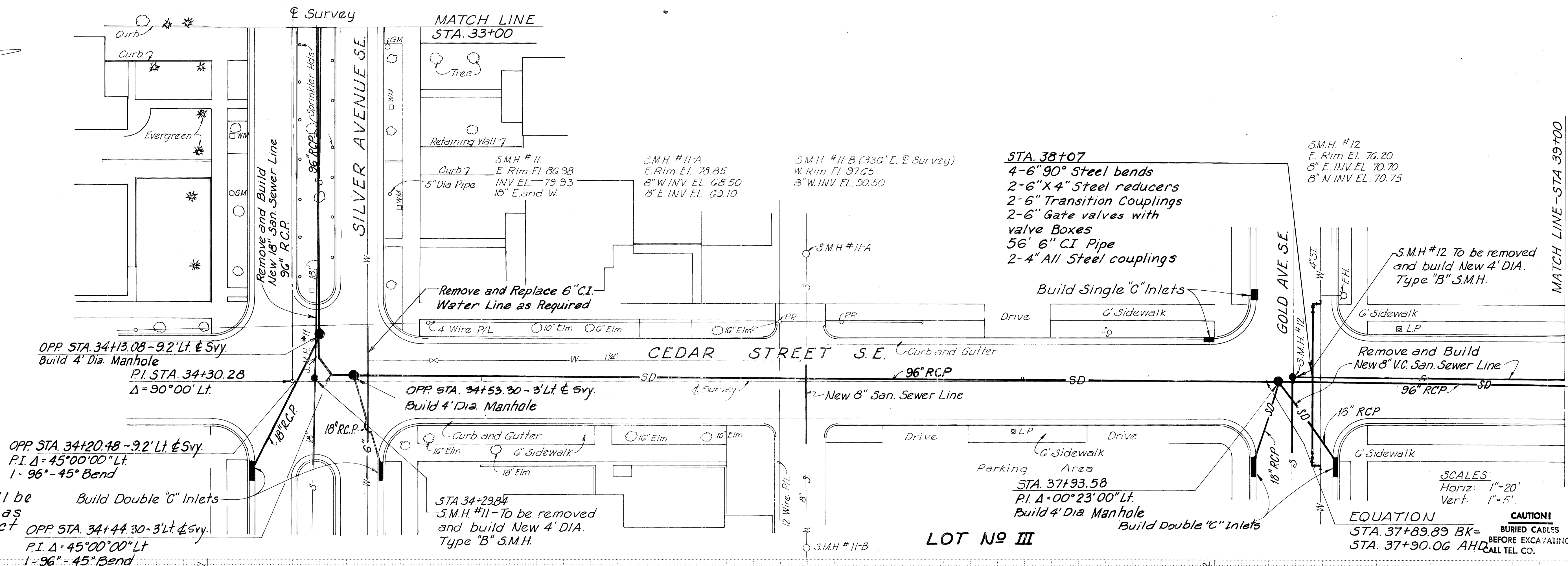
STA 27+31 1-6X6X6 Tee 1-6" Solid Sleeve 2-6" Gate valves with valve boxes 1-6" Transition coupling 2-6" 90° Steel bends 52' 6" C.I. Pipe 2-6" All Steel couplings	OPP STA 27+16.10 ~ 25' RT P.I. Δ=00°25'49" RT Build 6' DIA. Type "C" Manhole Stub out 1 joint of 24" R.C.P. ~ East	S.M.H. #6 ~ 27+20 Rim EL = 64.43 8" E. INV. EL = 56.83 8" W. INV. EL = 56.83 8" N. INV. EL = 56.83 8" S. INV. EL = 56.93 ~ Plugged	S.M.H. #7 ~ 28+68.5 Rim EL = 66.74 8" E. INV. EL = 61.44	S.M.H. #8 ~ 30+82.8 ~ 11' RT Rim EL = 68.65 8" E. INV. EL = 62.80 8" W. INV. EL = 62.90	S.M.H. #9 ~ 30+87.4 ~ 28' RT Rim EL = 69.25 18" S. INV. EL = 63.55 18" E. INV. EL = 63.35 18" W. INV. EL = 63.25 18" N. INV. EL = 63.35	S.M.H. #10 ~ 30+87.4 ~ 51' RT Rim EL = 68.25 18" E. INV. EL = 62.45 18" W. INV. EL = 62.45	S.M.H. #11 ~ 32+160.4 Rim EL = 65.49 8" E. INV. EL = 57.49 8" W. INV. EL = 57.59	S.D.M.H. #3 ~ 27+25 Rim EL = 64.39 18" W. INV. EL = 53.69 12" E. INV. EL = 59.09 12" N. INV. EL = 59.19 15" N. INV. EL = 59.19	S.D.M.H. #4 ~ 30+38.2 ~ 16' LT Rim EL = 68.05 15" S. INV. EL = 62.35 12" E. INV. EL = 62.55 12" N. INV. EL = 62.45
--	---	---	--	--	--	---	---	---	--



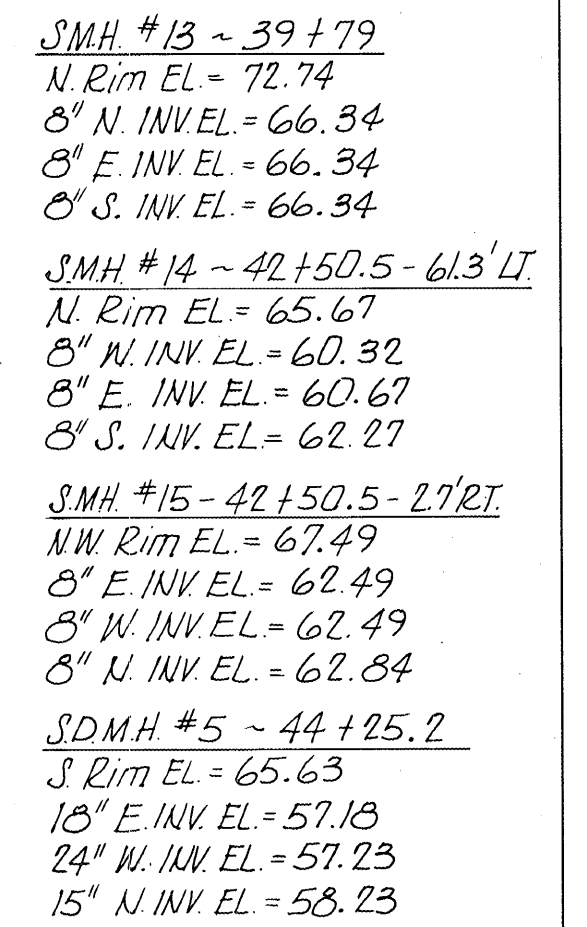
PLAN	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NO.			

PROFILE	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NO.			

NOTE:
Existing utilities will be removed and replaced as directed by the Project Engineer



PROFILE NO. _____ NOTE BOOK _____ GRADES CHECKED _____ B. M.s NOTED _____ STRUCTURE NOTATIONS CHWD _____			BY	DATE



NOTE:
Existing utilities will be removed and replaced as directed by the Project Engineer.

SCALES:
HORIZ. $1'' = 20'$
VERT. $1'' = 5'$

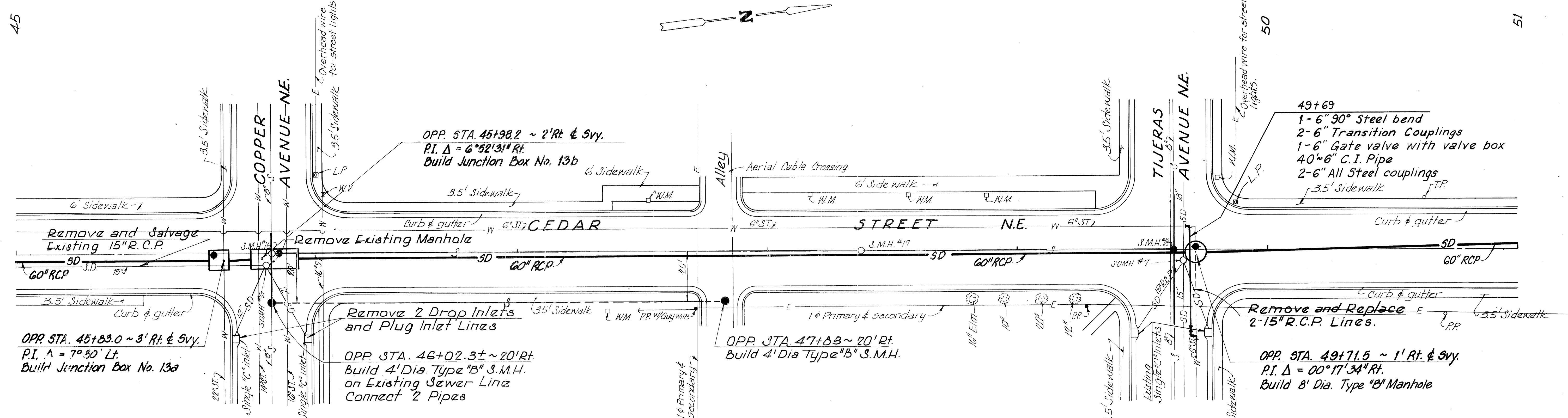


I-025 INTERCEPTOR STORM DRAIN SHEET 10 OF 25 SHEETS

PLAN	DATE	BY	CHECKED
SURVEYED			
PLOTTED			
ALIGNED			
CHECKED			
NO.			

PROFILE	DATE	BY	CHECKED
SURVEYED			
PLOTTED			
GRADES			
CHECKED			
NO.			

45



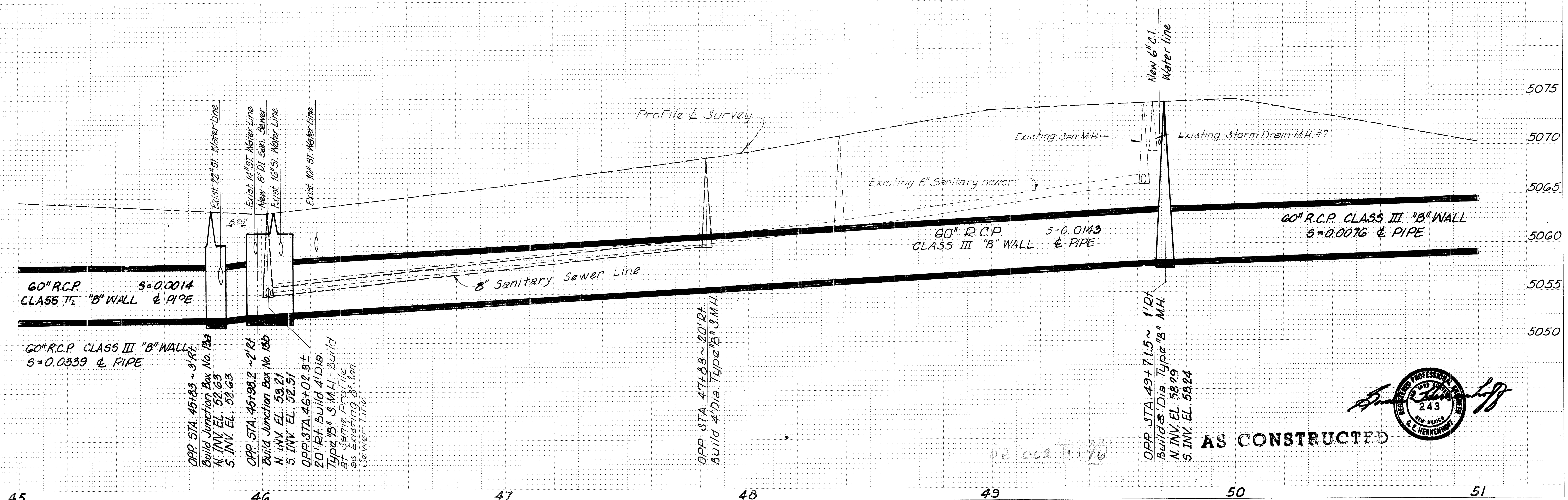
SMH #16 ~ 46+02.3 Rim EL = 63.32 8" E. INV. EL = 55.12 8" W. INV. EL = 54.97 8" N. INV. EL = 55.32	SMH #17 ~ 46+37.7 Rim EL = 71.14 8" S. INV. EL = 61.64	SMH #18 ~ 49+62.3 N. Rim EL = 75.83 8" E. INV. EL = 66.33 8" W. INV. EL = 66.23	SDMH #6 ~ 46+00 S. Rim EL = 63.52 15" S. INV. EL = 59.82 12" S.E. INV. EL = 62.62 12" N.E. INV. EL = 62.74	SDMH #7 ~ 49+66.2 N. Rim EL = 75.90 18" W. INV. EL = 69.65 15" E. INV. EL = 69.60 S.E. INV. EL = 70.90 N.E. INV. EL = 70.80
--	--	--	--	--

LOT NO IV

NOTE:
Existing utilities will be removed and replaced as directed by the Project Engineer.

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

SCALE 8
HORIZ. 1" = 20'
VERT. 1" = 5'



45

46

47

48

49

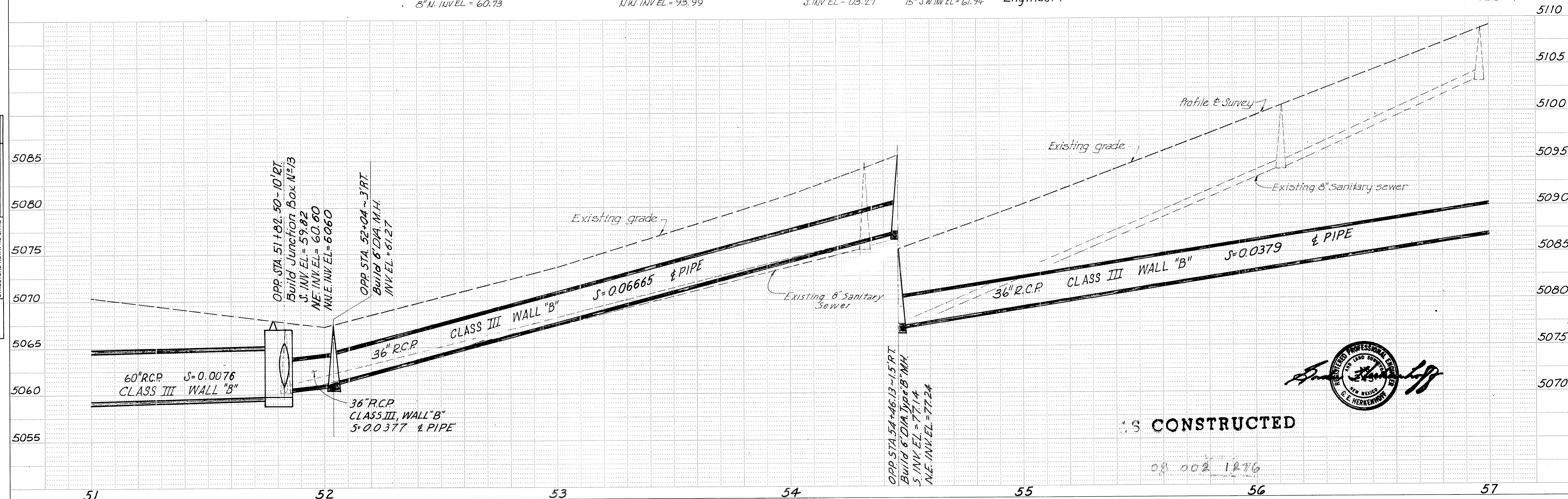
50

51

PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

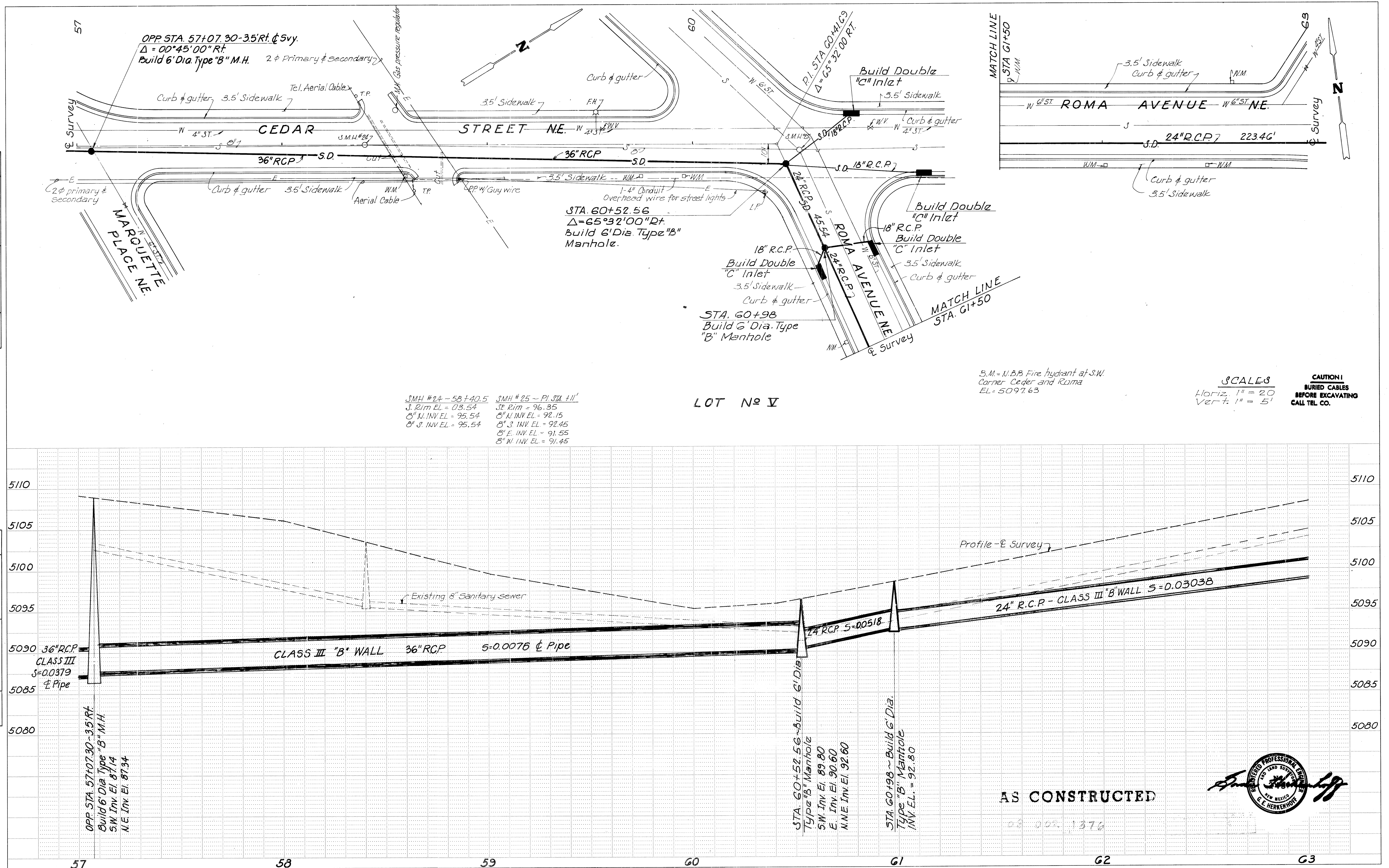
I-025 INTERCEPTOR STORM DRAIN SHEET 11 OF 25 SHEETS

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B. M.s NOTED		
NO.	STRUCTURE NOTATING CHW/NO		

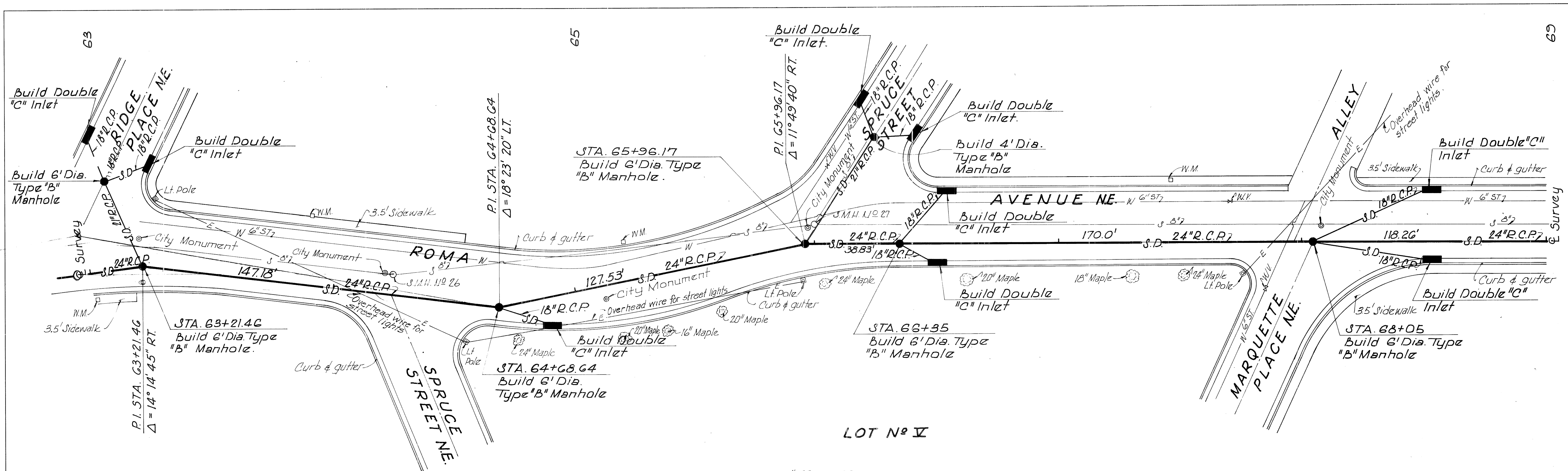


PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES	
	CHECKED	
	NO.	



PLAN	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NOTE BOOK			
NO.			



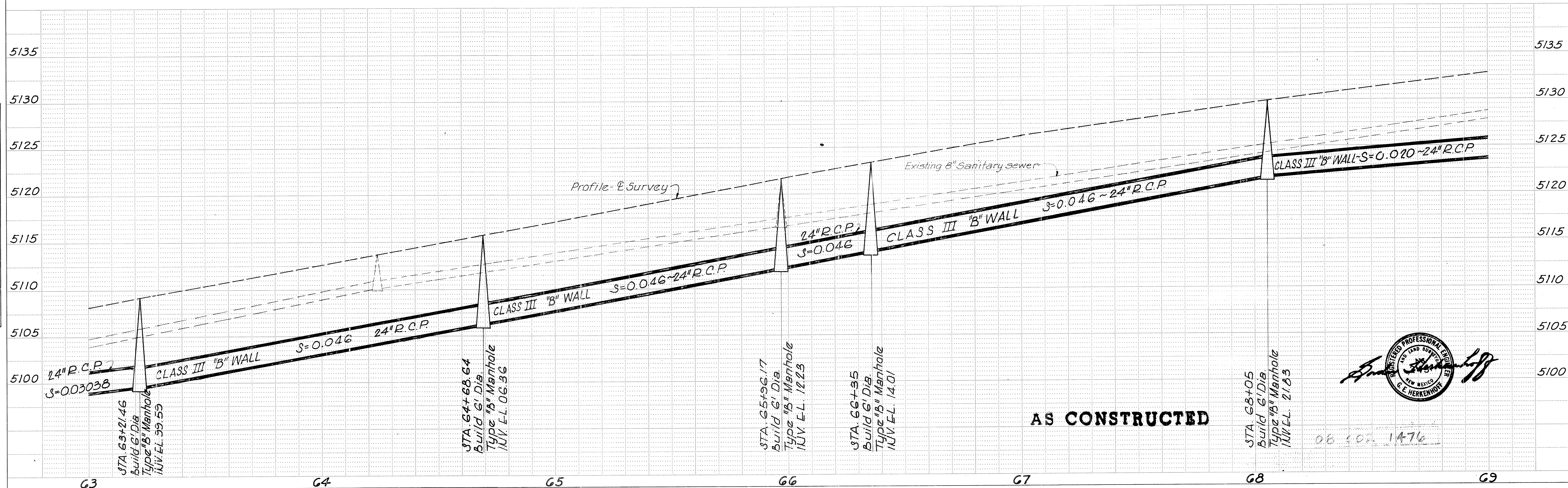
J.M.H. # 76 64+23.6
 Rim EL. 13.88
 8" E. INV. EL. = 10.18
 8" W. INV. EL. = 10.08
 8" S. INV. EL. = 10.78

J.M.H. # 27 66+00.5
 Rim EL. 21.69
 8" N.E. INV. EL. = 17.09
 8" E. INV. EL. = 16.54
 8" W. INV. EL. = 16.54

SCALE 3
 Horiz. 1" = 20'
 Vert. 1" = 5'

CAUTION!
 BURIED CABLES
 BEFORE EXCAVATING
 CALL TEL. CO.

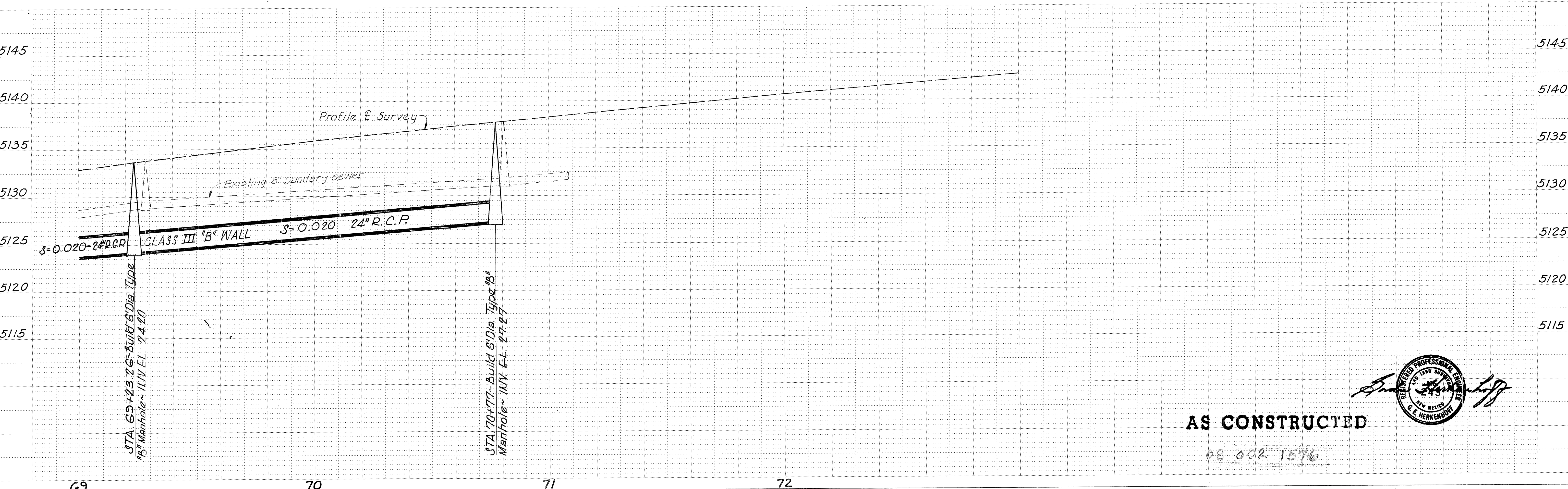
PROFILE	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NOTE BOOK			
NO.			



AS CONSTRUCTED



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO.	B.M.'s NOTED _____		



B.M. = Chiseled $\square$ E. End N.E. Return
Las Lomas and University Blvd.
EL. = 5151.70

SMH #29 ~ 70 ± 81
E. Lug. EL. = 38.01
8" N.E. INV. EL. = 31.91
8' E. INV. EL. = 31.21
8" W. INV. EL. = 31.21

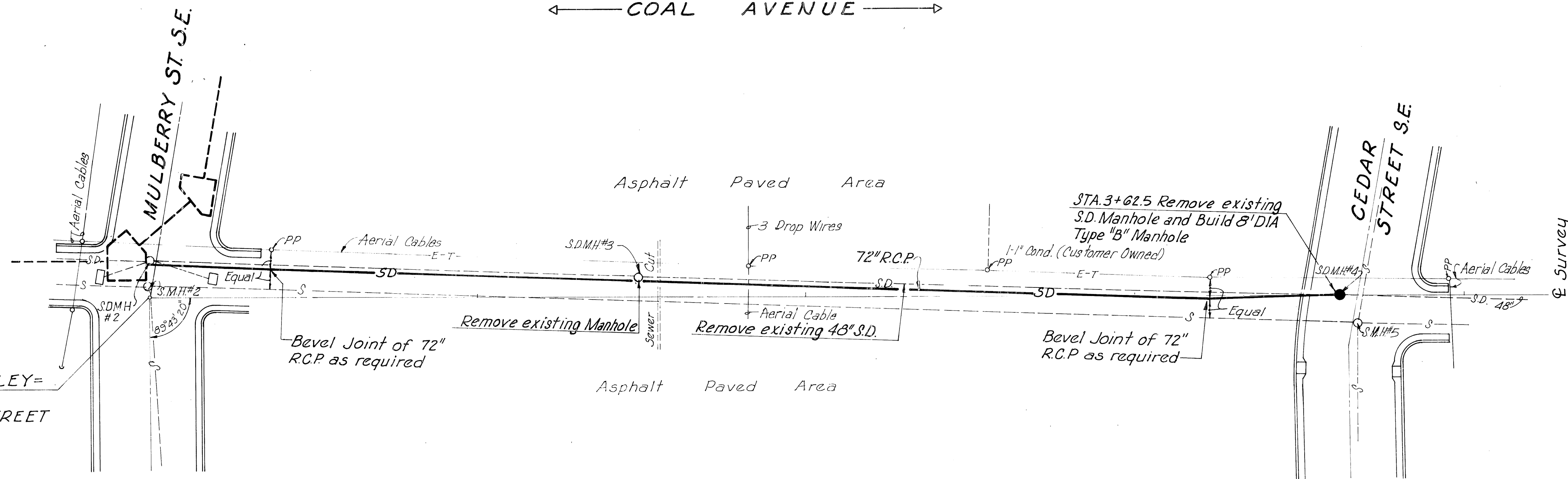
CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

08 002 1576



PLAN	DATE	BY
SURVEYED		
NOTED		
ALIGNED		
CHECKED		
RT. OF WAY		
CHECKED		
NO.		

STA 0+00 ALLEY=
STA 20+60.55
MULBERRY STREET



MANHOLE DATA

S.D.M.H. #1, 0-01
Rim EL=47.76
48\"/>

S.D.M.H. #2, 0-01
Rim EL=47.48
48\"/>

S.D.M.H. #3, 1+49
Rim EL=50.40
48\"/>

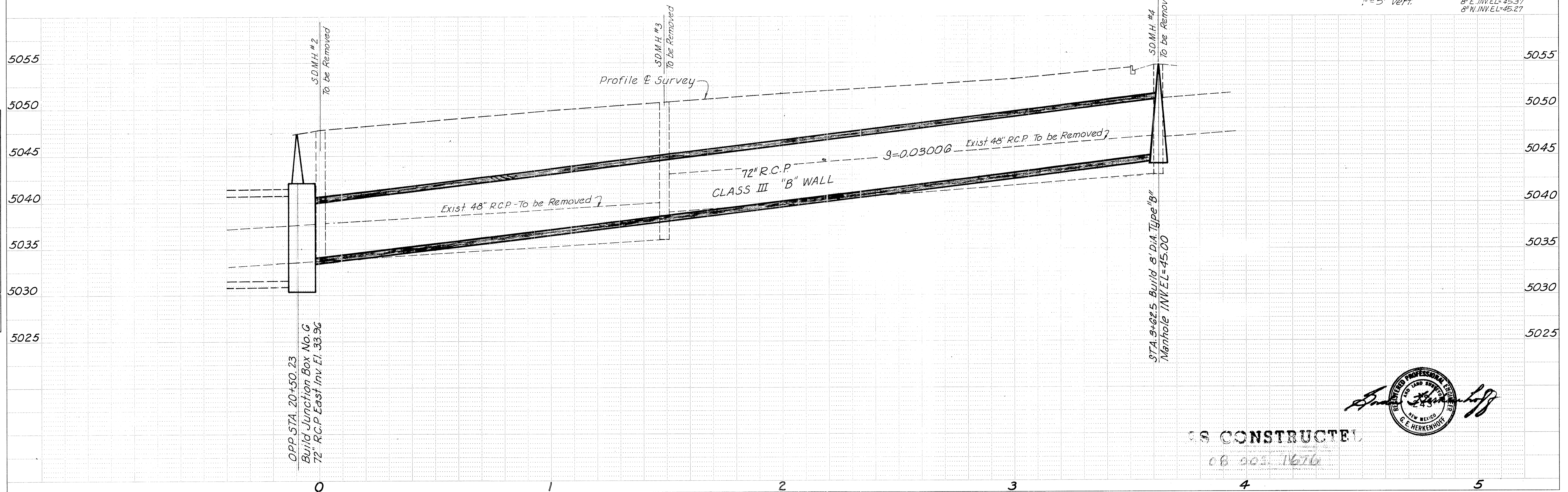
S.D.M.H. #4, 3+62.5
Rim EL=54.65
48\"/>

S.D.M.H. #5, 3+68
Rim EL=54.72
48\"/>

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

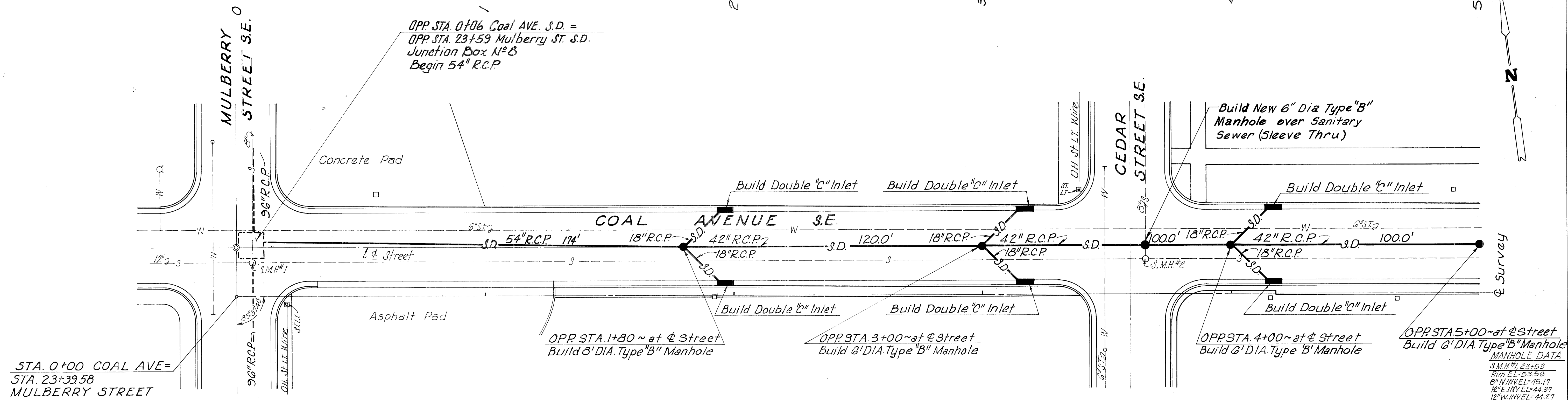
SCALE
1\"/>

PROFILE	DATE	BY
SURVEYED		
NOTED		
GRADES		
CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS		
CHNG		
NO.		



PLAN	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NO.			

PROFILE	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NO.			

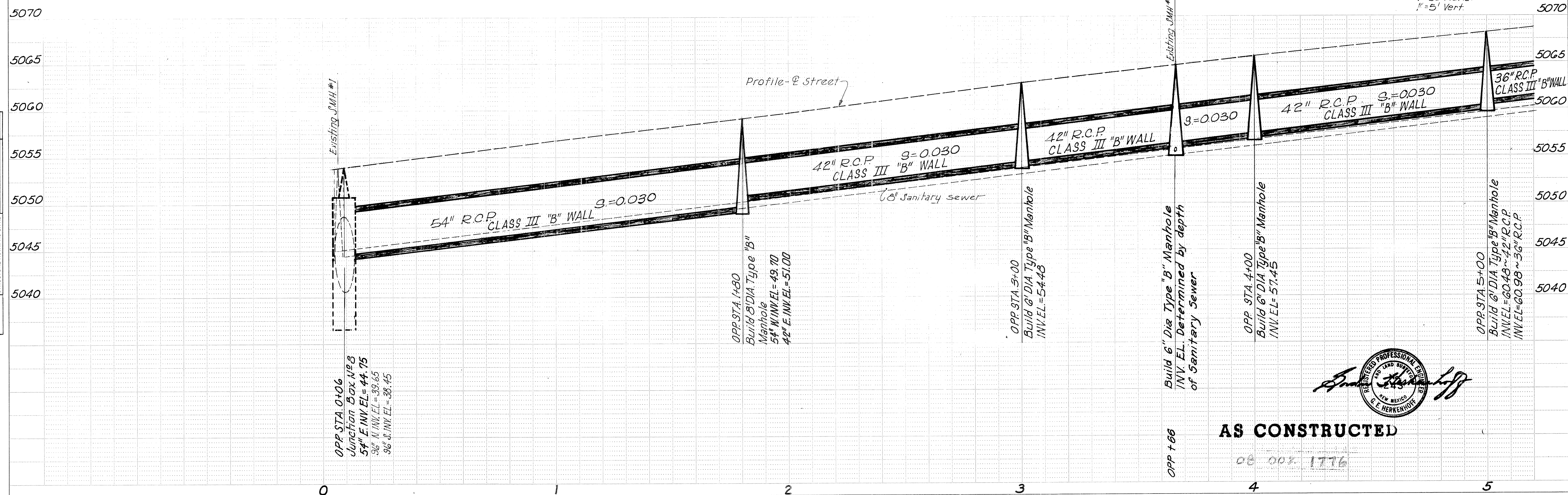


MANHOLE DATA

SMH#1 23+59
Rim EL=53.59
6\"/>
8\"/>
12\"/>
SMH#2 3+00
Rim EL=54.74
8\"/>
8\"/>
8\"/>

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

SCALES
1\"/>



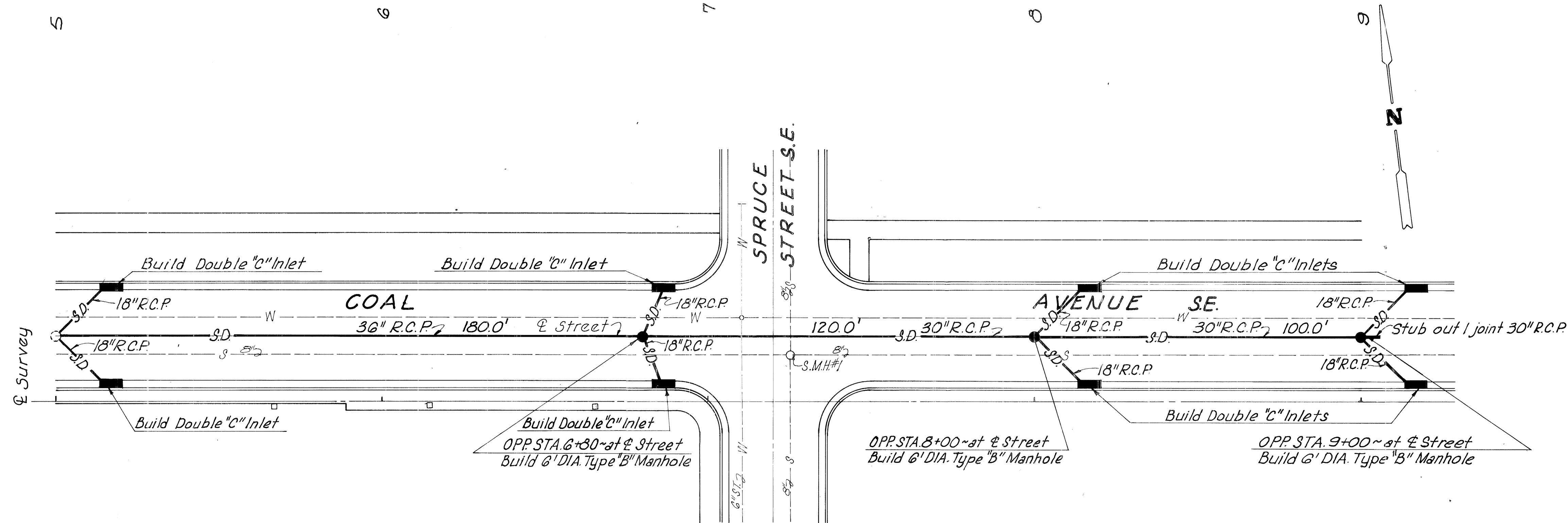
Handwritten signature
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
C. E. HERKENROT

AS CONSTRUCTED

08 002 1776

PLAN	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		



MANHOLE DATA
SMH #1 7+25.5
Rim EL=74.81
8' E. INVEL=66.56
8' W. INVEL=66.01
8' N. INVEL=66.56
8' S. INVEL=66.51

LOT N^o II

CAUTION!
BURIED CABLES
BEFORE EXCAVATING
CALL TEL. CO.

SCALES
1"=20' Horiz.
1"=5' Vert.

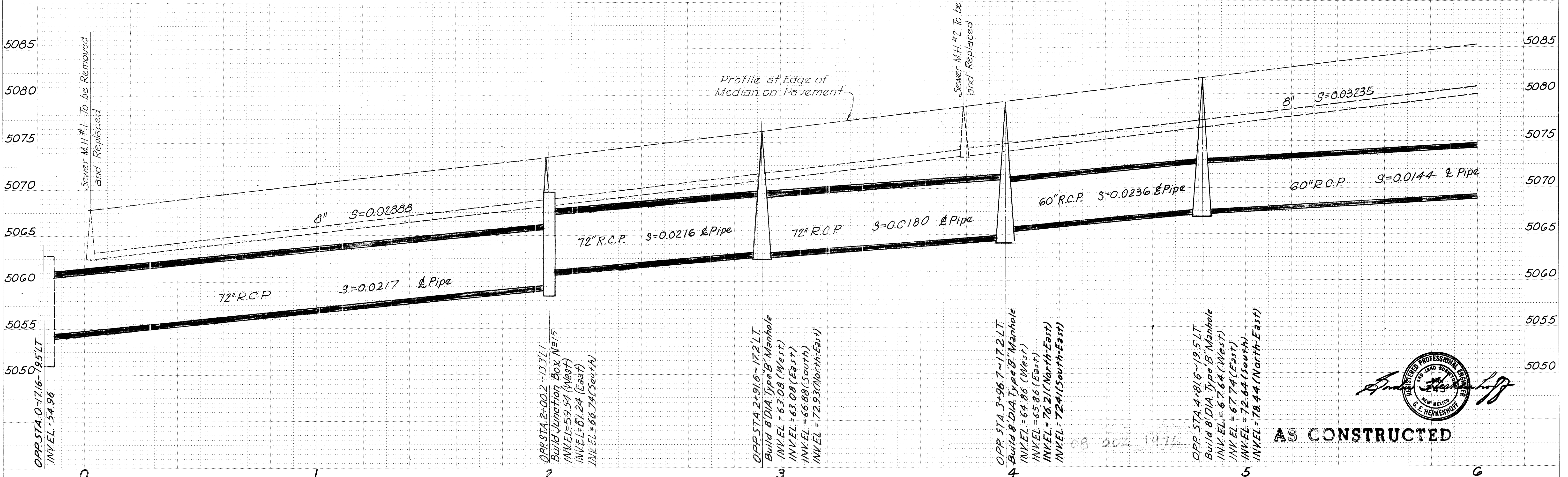
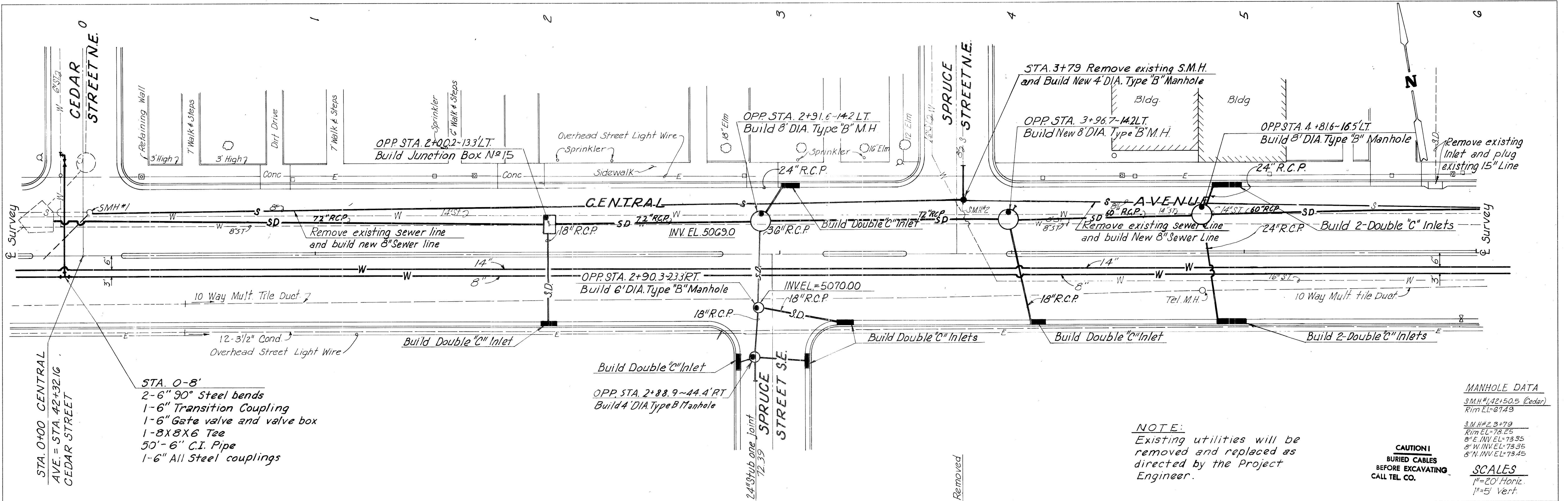


AS CONSTRUCTED

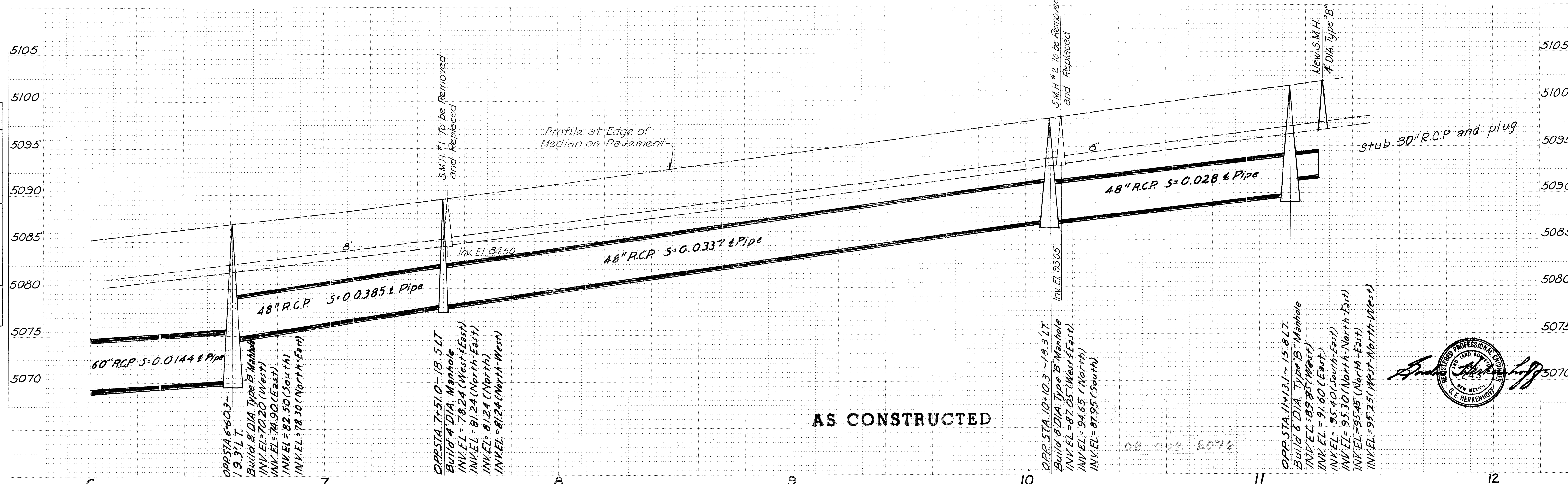


PLAN	DATE	BY
SURVEYED		
PLOTTED		
ALIGNED		
CHECKED		
NO.		

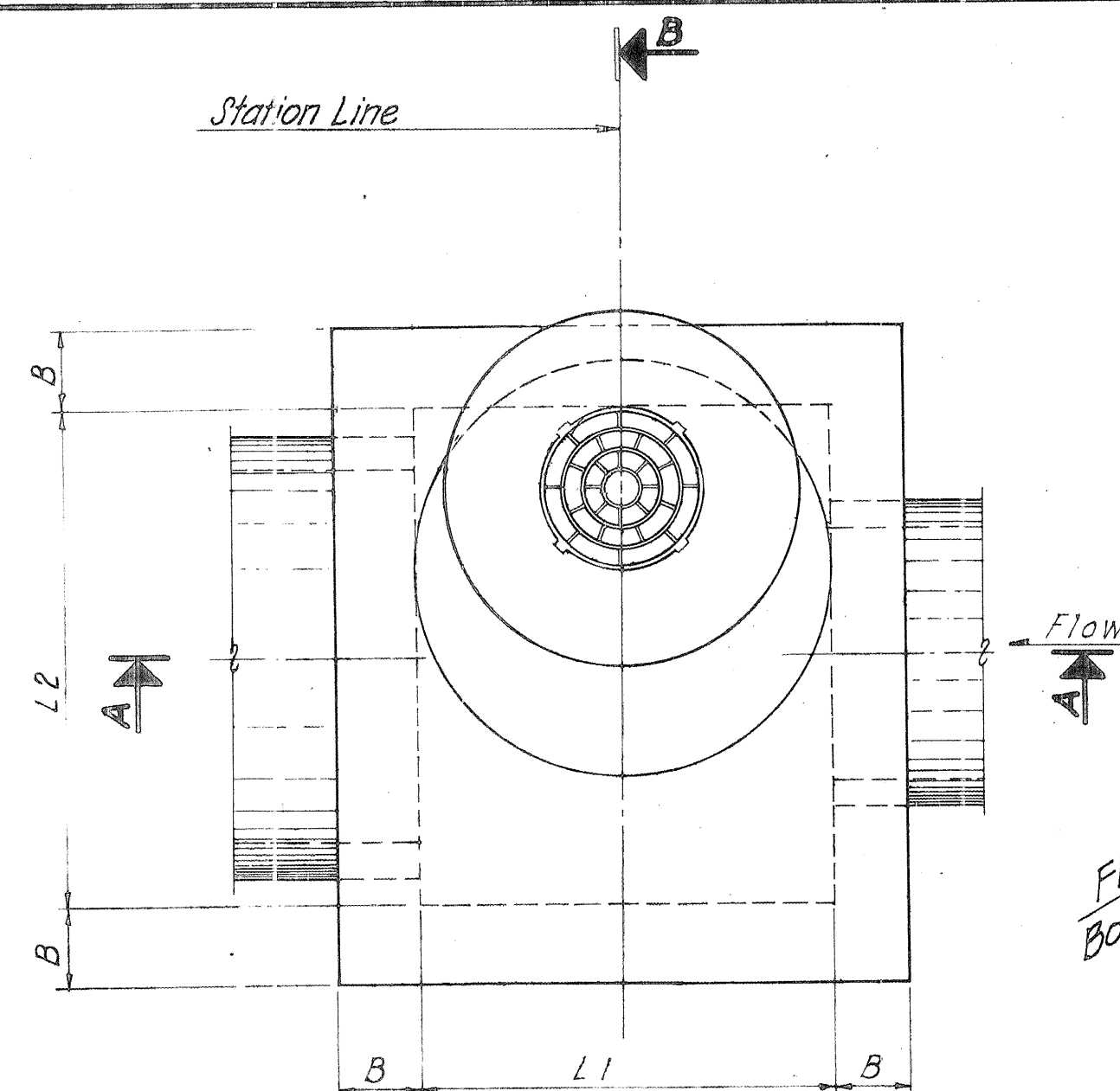
PROFILE	DATE	BY
SURVEYED		
PLOTTED		
GRADES		
CHECKED		
NO.		



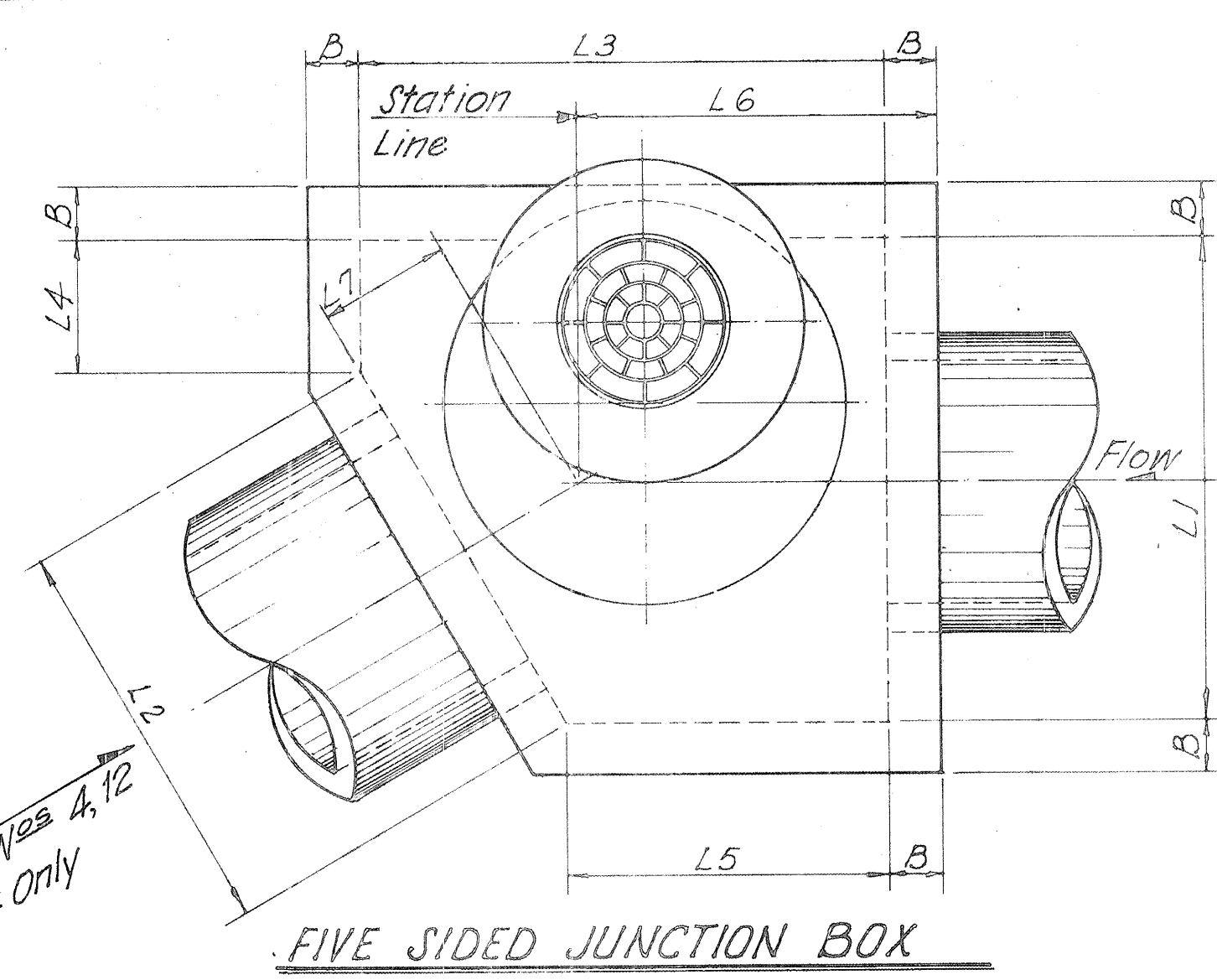
PROFILE	SURVEYED	BY	DATE
	PLOTTED _____ GRADES CHECKED _____ B. M.'s NOTED _____ STRUCTURE NOTAT'NS CH'KD _____		
NOTE BOOK NO.			



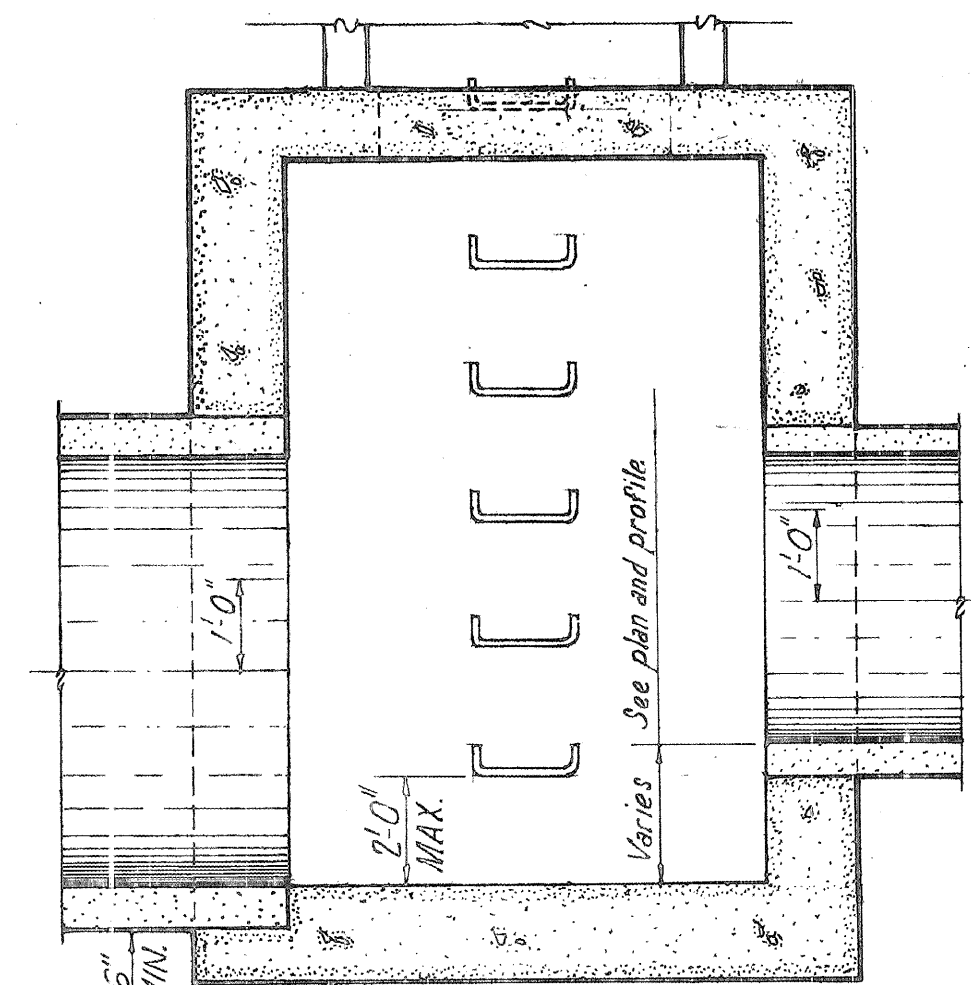
08 002 2072



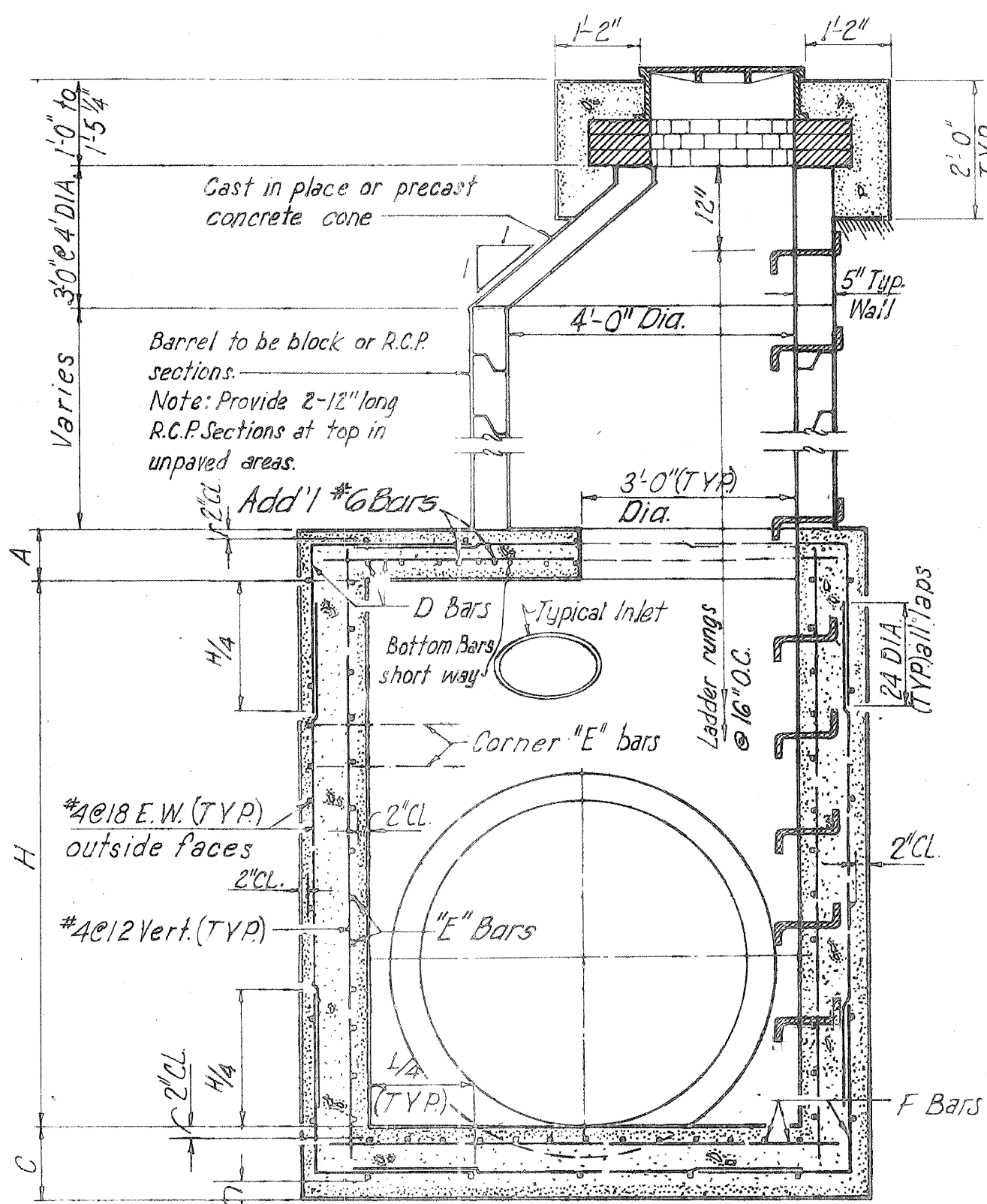
PLAN
Scale: 1/2" = 1'-0"



FIVE SIDED JUNCTION BOX

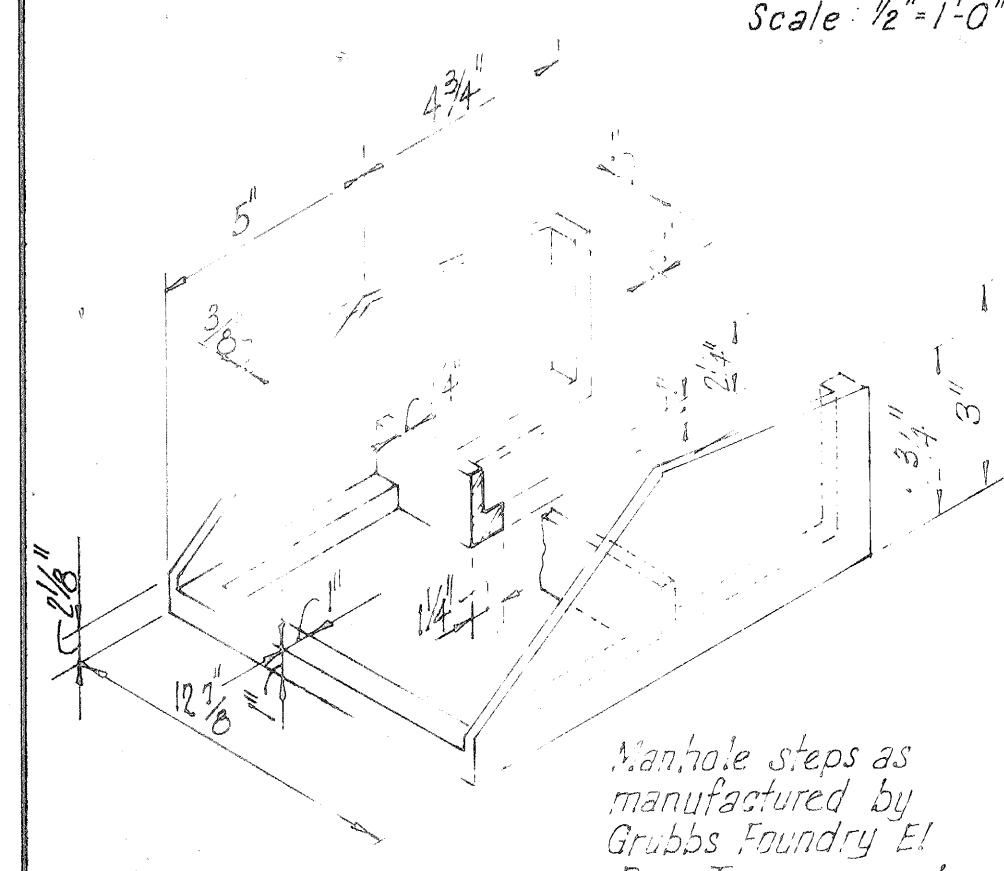


SECTION A-A
Scale: 1/2" = 1'-0"

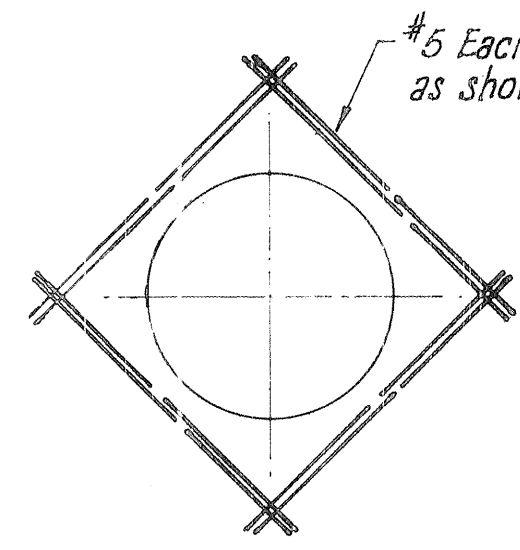


SECTION B-B
Scale: 1/2" = 1'-0"

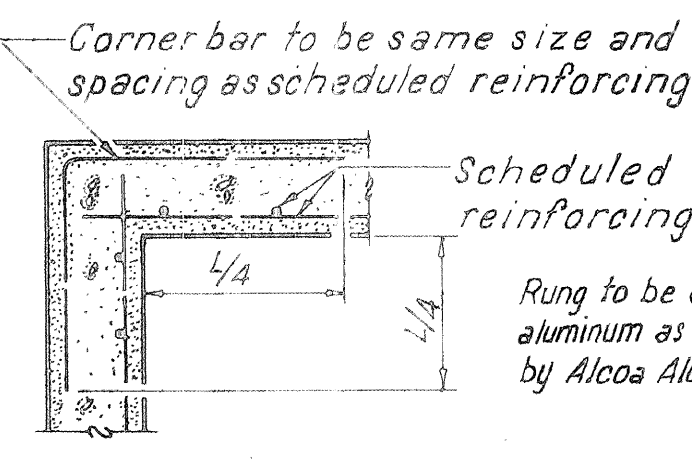
MANHOLE CONE ACCESS



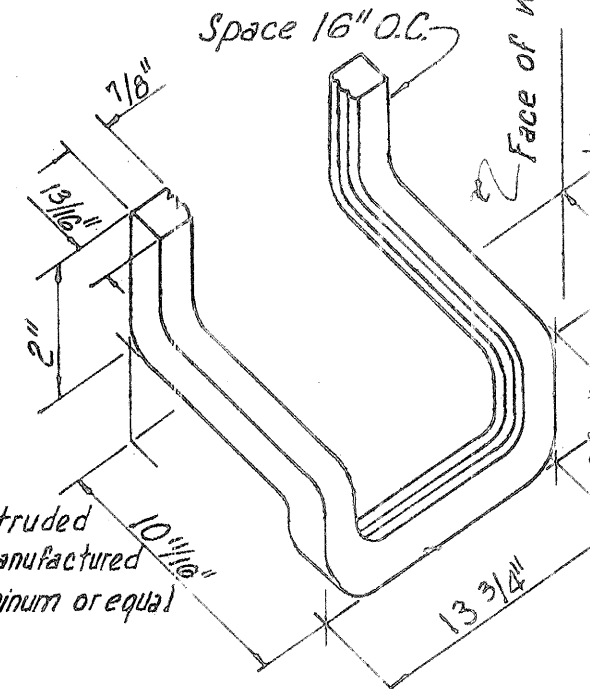
MANHOLE STEP DETAIL



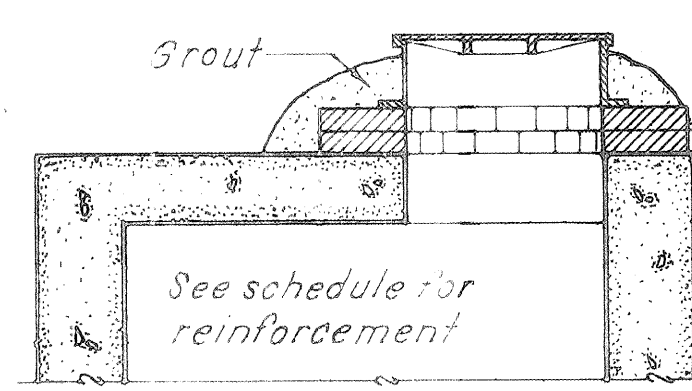
TYPICAL REINFORCING AT OPENING



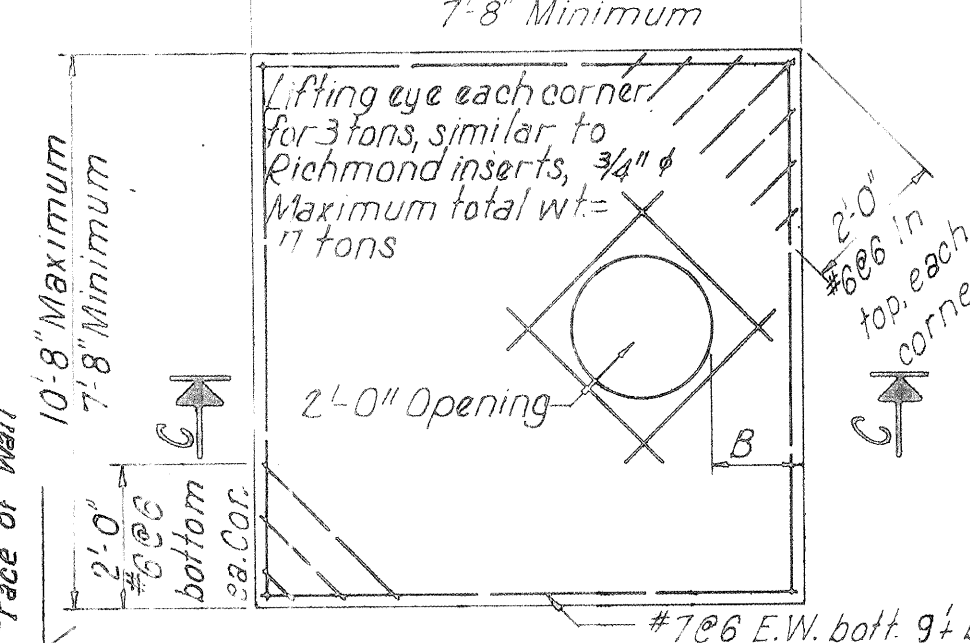
CORNER BAR DETAIL
Not to scale



LADDER RUNG DETAILS

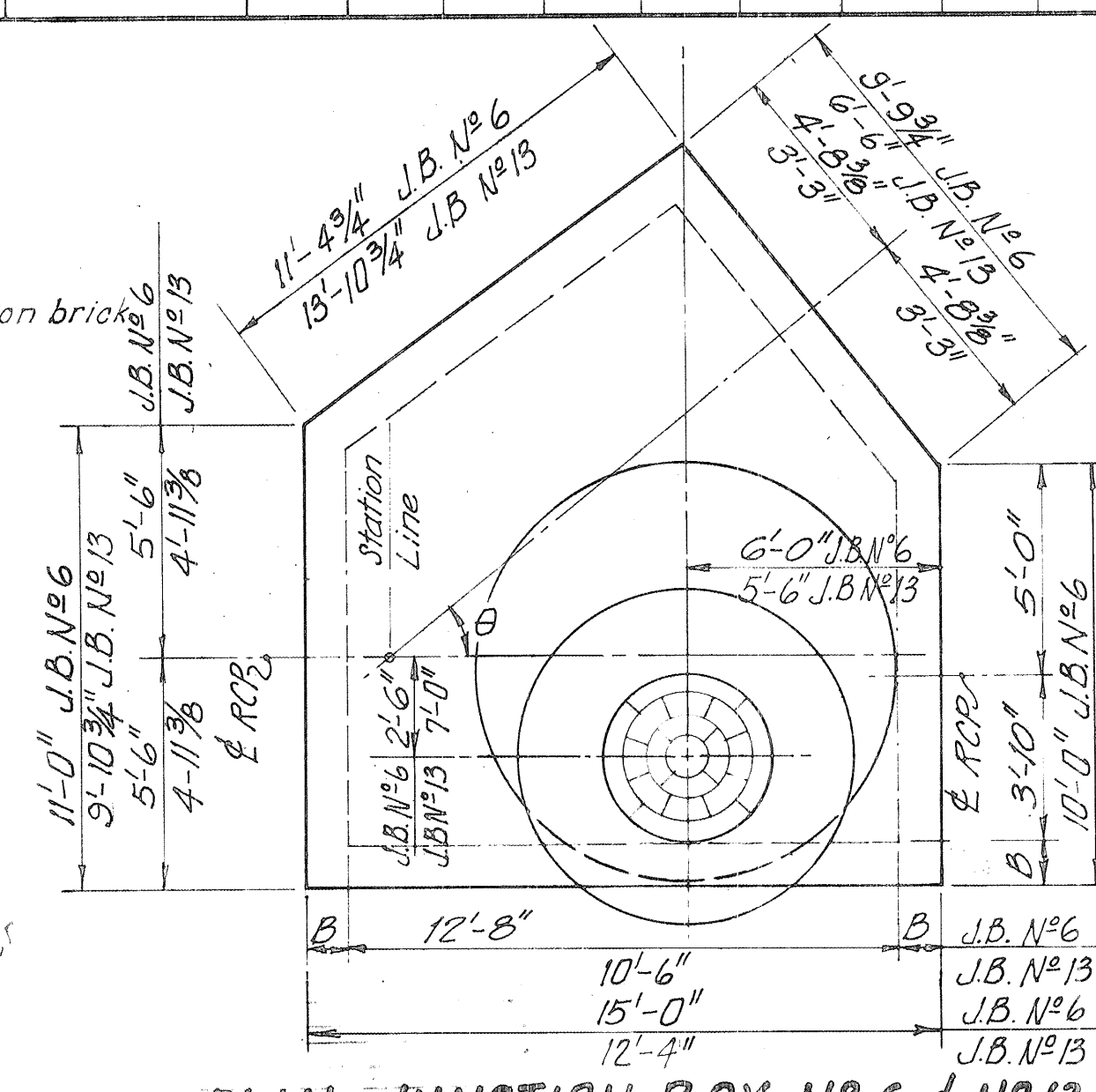


CAST IN PLACE



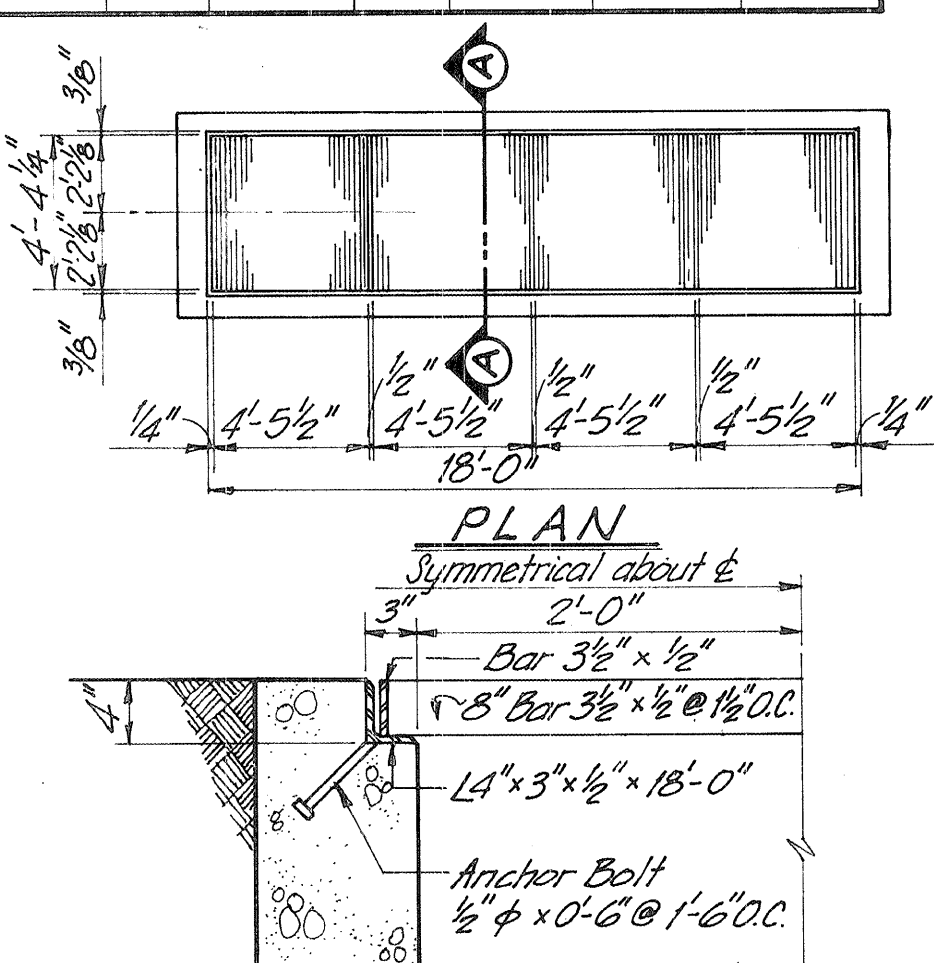
DIRECT BOX ACCESS
Scale: 3/8" = 1'-0"

SECTION C-C
Note: Precast cover shall be bedded in mastic material
PRECAST COVER (OPTIONAL)



PLAN-JUNCTION BOX No. 6 & No. 13

PLAN-JUNCTION BOX No. 14

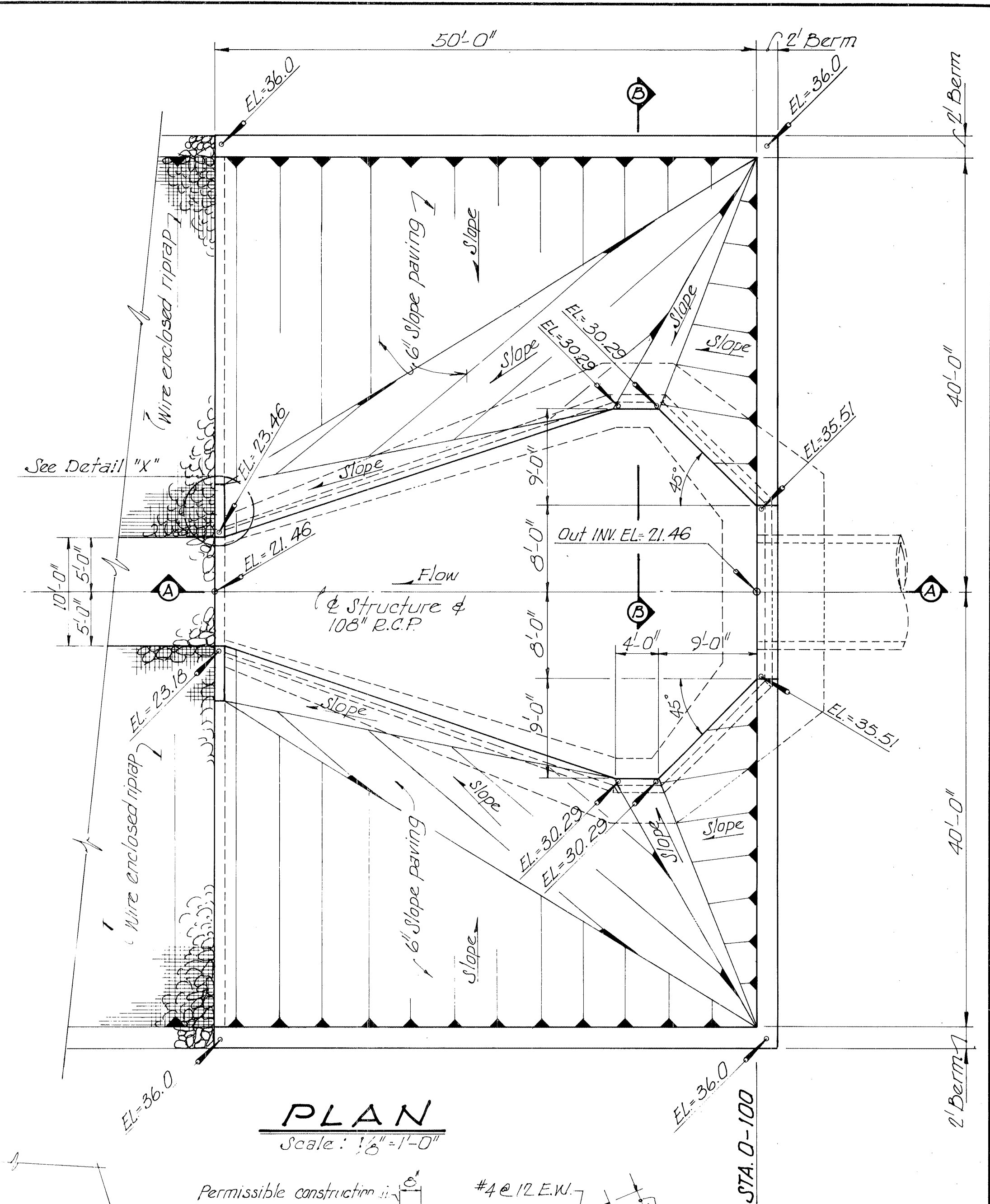


SECTION A-A
GRATING DETAIL FOR JUNCTION BOX No. 17

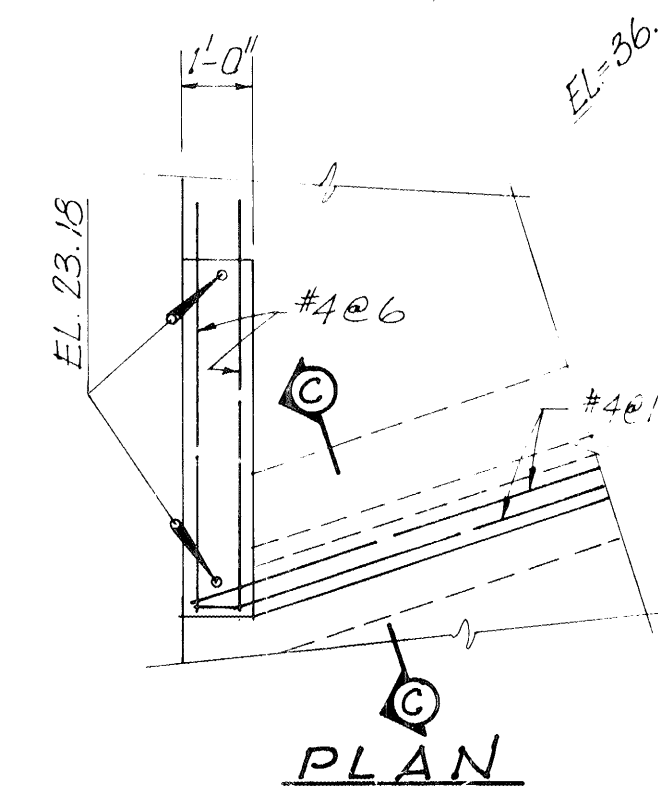
AS CONSTRUCTED

No	STATION	PIPE IN		PIPE OUT		DIMENSIONS							ROOF		WALLS		FLOOR		EST. QUANT.		
		SIZE	INV. ELEV.	SIZE	INV. ELEV.	H	L1	L2	L3	L4	L5	L6	L7	A	D	B	E	C	F	CONC. CU. YD.	STEEL Lb.
SOUTH DIVERSION CHANNEL TO ROMA AVENUE																					
1	1+00.43	108"	*5022.31	108"	*5022.31	10'-10"	9'-7 1/4"	11'-0"						10"	#5@6	12"	#3@6	12"	#6@6	23.90	7,650
2	3+61.85	108"	*23.81	108"	*23.81	10'-10"	10'-8 1/2"	11'-0"						10"	#6@7	12"	#3@6	12"	#7@7 1/2	23.90	7,650
3	13+05.42	108"	27.62	108"	27.62	10'-10"	11'-0"	11'-0"						11"	#7@7	15"	#3@6 1/2	13"	#5@7	23.56	9,460
4	15+67.00	108"	28.67	108"	28.67	10'-10"	10'-0"	11'-4"	10'-0"	3'-0"	1'-0"			10"	#4@8	11"	#7@6	12"	#6@8	19.31	6,180
5	18+63.49	108"	29.62	108"	29.42	10'-10"	10'-0"	10'-0"	10'-0"	3'-0"	2'-6"			10"	#4@8	12"	#7@6	12"	#6@8	19.07	6,100
6	20+57.4	96"	33.22	108"	31.72	10'-10"	See Detail Plan-This Sheet						10"	#7@7 1/2	14"	#3@6 1/2	13"	#3@8	35.93	11,500	
7	20+95.27	96"	36.00	96"	32.18	13'-7"	10'-11 1/2"	10'-0"	9'-1 1/4"	3'-3 1/2"	2'-7 1/2"	3'-10"	2'-6"	10"	#5@6	12"	#7@6	12"	#7@7	22.35	7,150
8	23+59.0	96"	39.15	96"	38.45	13'-4"	10'-0"	10'-0"						10"	#6@7	11"	#7@6	12"	#7@7	23.52	7,530
9	30+75.74	96"	44.34	96"	44.29	10'-11"	10'-0"	10'-0"						10"	#6@6	12"	#3@6	12"	#7@7	22.10	7,070
10	34+30.28	96"	48.60	96"	47.40	10'-11"	10'-0"	10'-0"						12"	#3@7	13"	#3@6	16"	#3@7	36.07	11,540
11	37+89.89	96"	*50.25	96"	*50.25	9'-9"	10'-0"	10'-0"						10"	#7@7	14"	#3@6	12"	#7@6	22.80	7,300
12	41+54.80	96"	51.93	96"	51.93	8'-4 1/4"	10'-0"	11'-6"	9'-2 1/2"					10"	#5@6	12"	#7@6	12"	#6@6	16.62	5,320
13	42+15.00	60"	*51.96	96"	*51.96	10'-1 1/4"	See Detail Plan-This Sheet						10"	#6@6 1/2	13"	#3@6 1/2	12"	#6@6 1/2	13.63	4,380	
13a	45+33.0	60"	52.63	60"	52.63	7'-4 1/2"	8'-6"	7'-7 1/4"						10"	#5@7	10"	#6@7 1/2	12"	#6@8	14.71	2,675.83
13b	45+98.2	60"	53.21	60"	52.91	8'-5 3/8"	19'-9 3/8"	7'-7 1/4"						10"	#6@7	12"	#7@6	12"	#7@7 1/2	30.67	7,62.08
14	51+92.50	54"	60.60	60"	59.82	See Detail Plan-This Sheet						10"	#4@9	10"	#5@7 1/2	12"	#4@7 1/2	11.29	3,610		
CENTRAL AVENUE																					
15	2+90.00	72"	5059.95	72"	5057.95	9'-7"	5'-0"	7'-6"						10"	#4@9	10"	#5@6	12"	#4@6	9.51	3,040
16	4+00	72"	64.95	72"	63.95	8'-7"	5'-0"	7'-6"						10"	#4@9	10"	#5@6	12"	#4@6	9.00	2,880
UNIVERSITY BLVD DRAINAGE STRUCTURE																					
17	69+45.24 ±	165" x 11' dia	5087.22	48"	5086.80	15'-2 1/4"	4'-0"	18'-0"						—	—	17"	#3@6	12"	#4@7	37.03	11,850
18	71+00.92 ±	36"	5089.72	165" x 11' dia	89.39	12'-11 3/8"	4'-0"	18'-0"						8"	#4@10	15"	#3@6	12"	#4@8	27.43	9,780

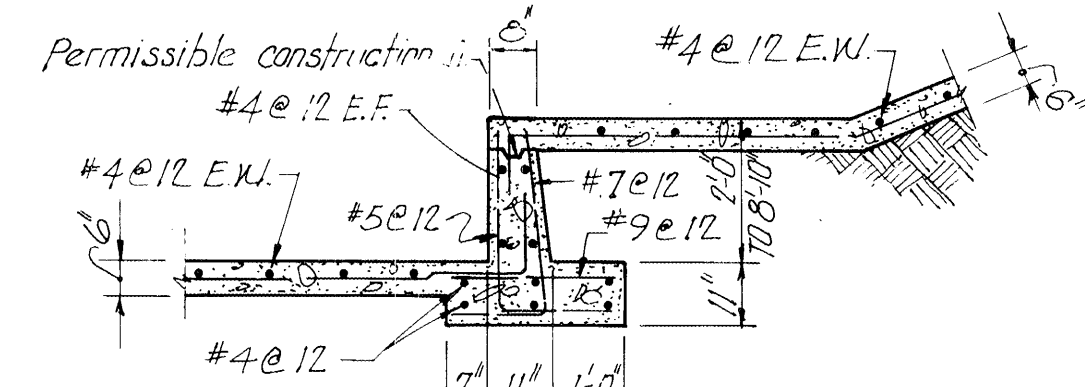
* At center of box



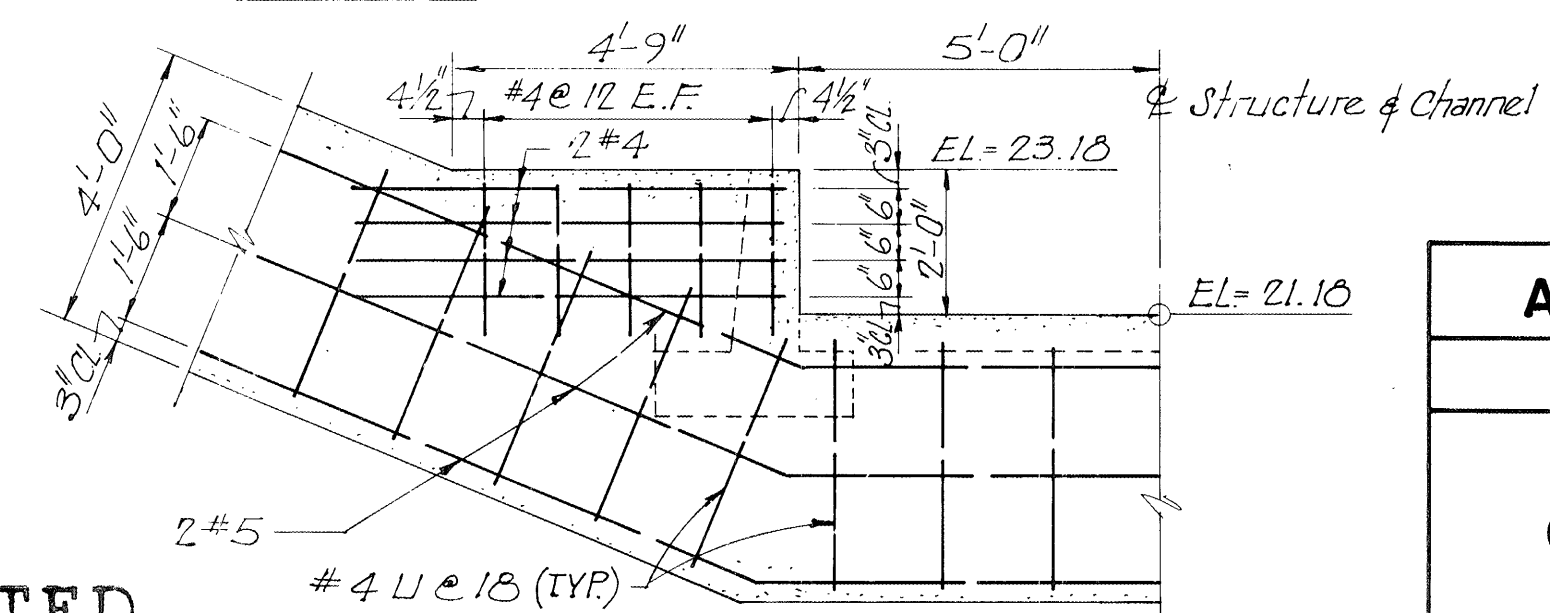
PLAN
Scale: $\frac{1}{8}" = 1'-0"$



SECTION "C-C"



PLAN



ELEVATION
DETAIL "X"

SECTION - ELEVATION "B-B"
Scale: $\frac{3}{8}" = 1'-0"$

AS CONSTRUCTED

REF. 002. 2176

ALBUQUERQUE, NEW MEXICO

I-025 INTERCEPTOR STORM DRAIN

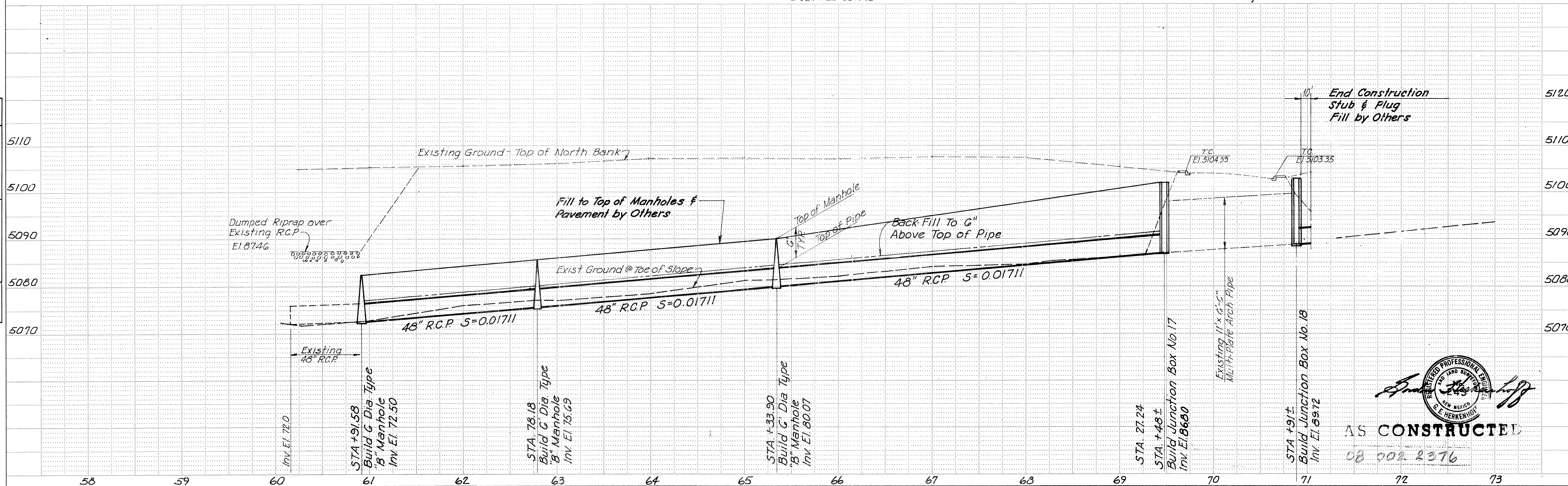
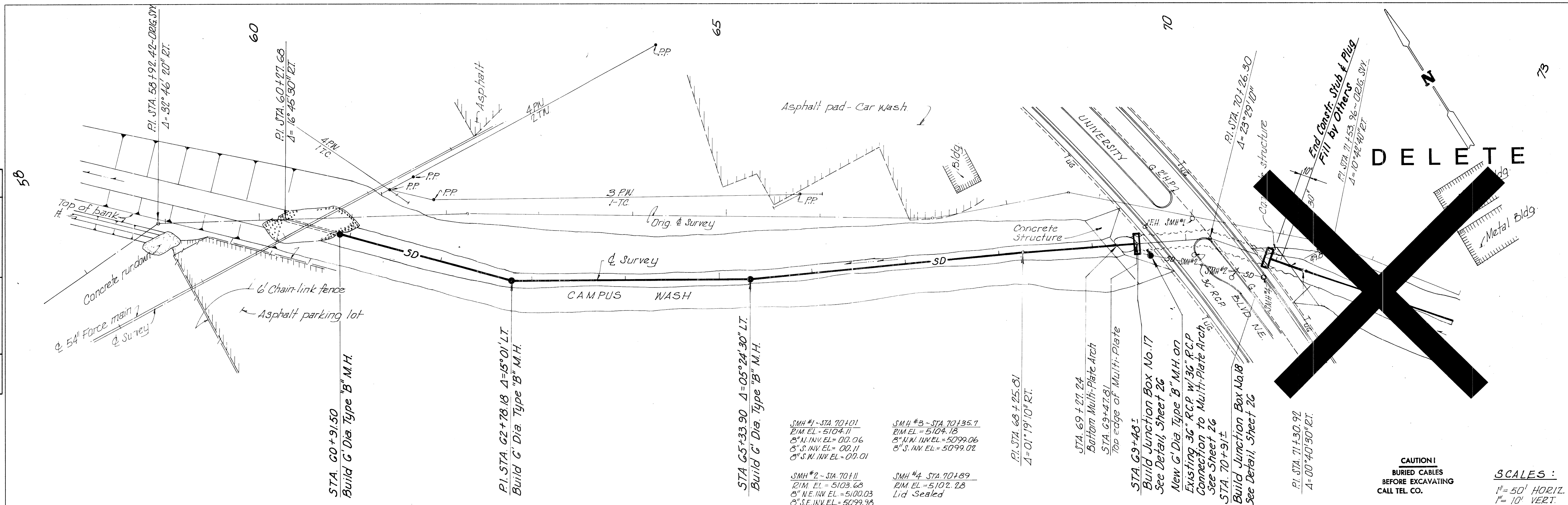
OUTLET STRUCTURE DETAILS

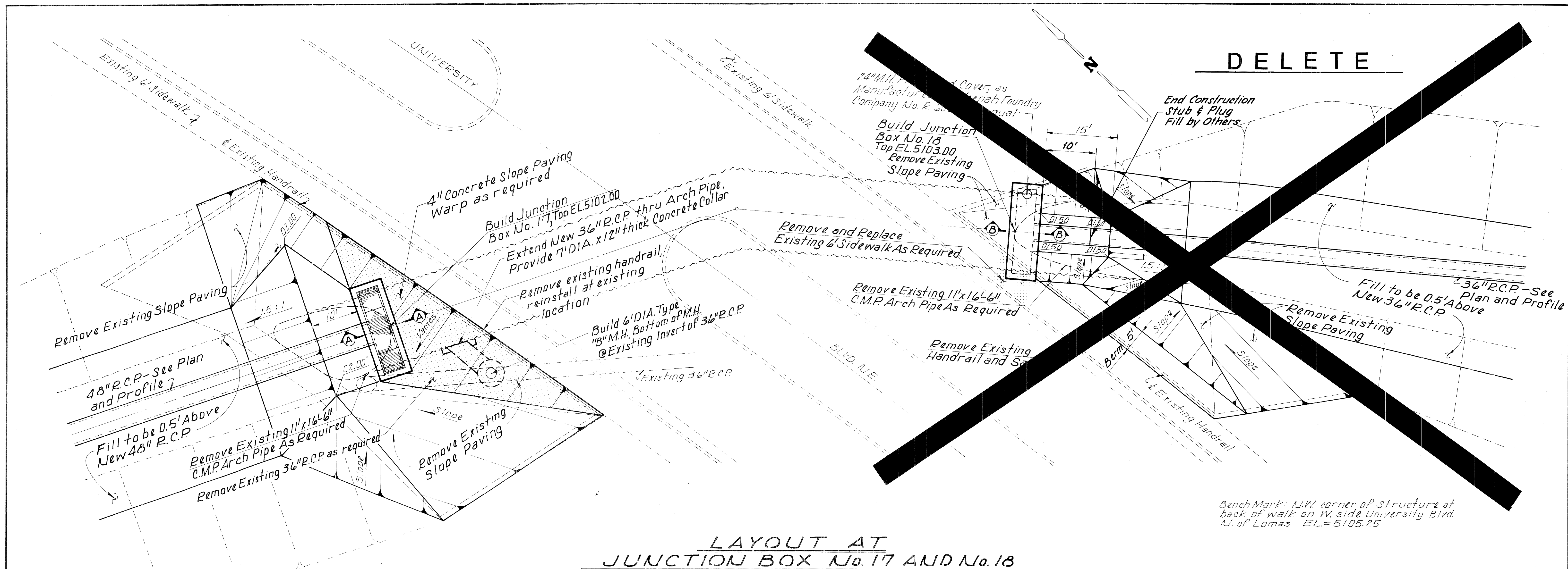
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS

ALBUQUERQUE		NEW MEXICO	
SCALE	DATE	DRAWN: M.C.	SHEET 21
AS SHOWN	JAN. 1972	CHECKED: G.A.J.	OF 25

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
DATE		
BY		
NOTE BOOK		
NO. 122		

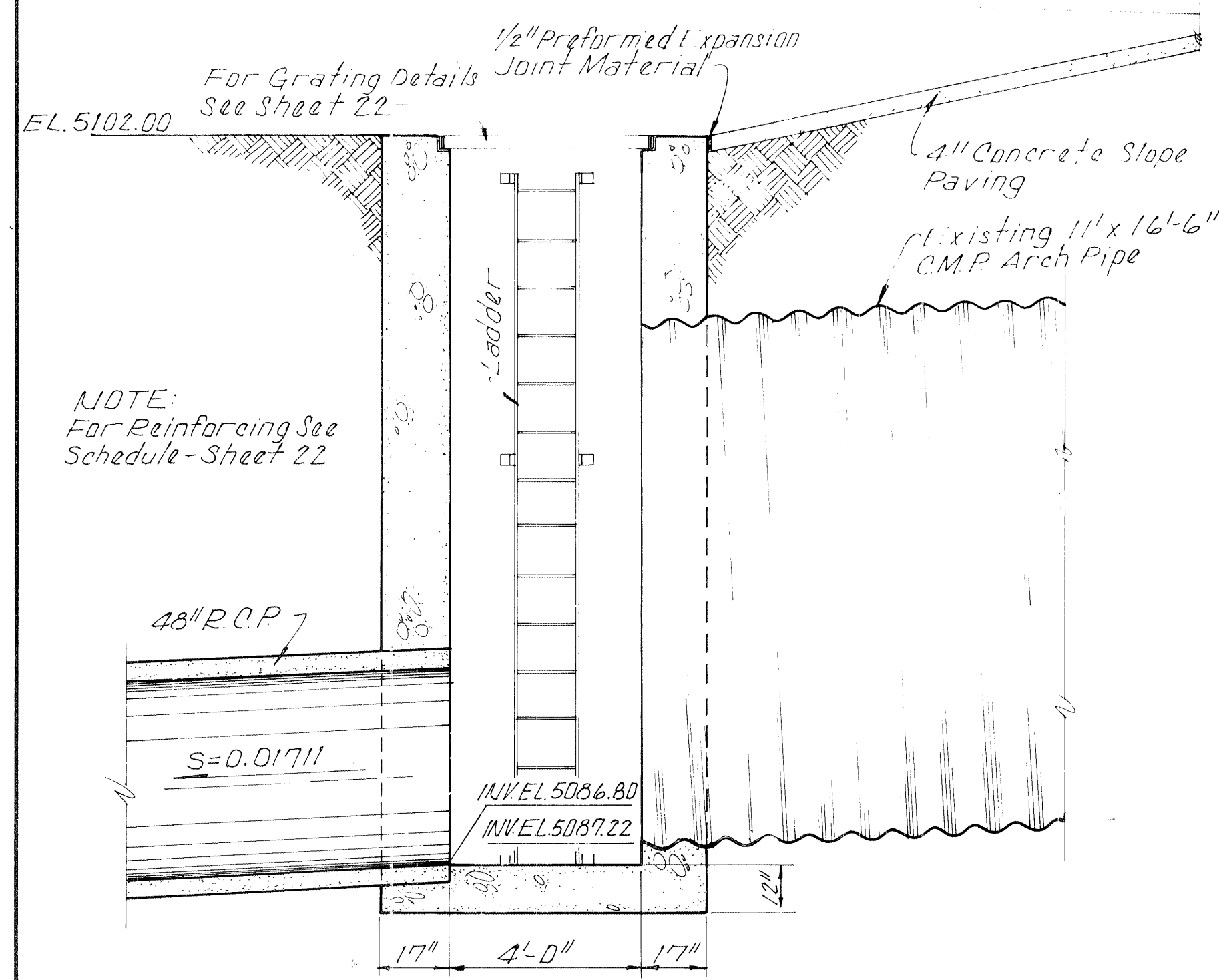
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SURVEYED		
PLOTTED		
CHECKED		
DATE		
BY		
NOTE BOOK		
NO. 122		





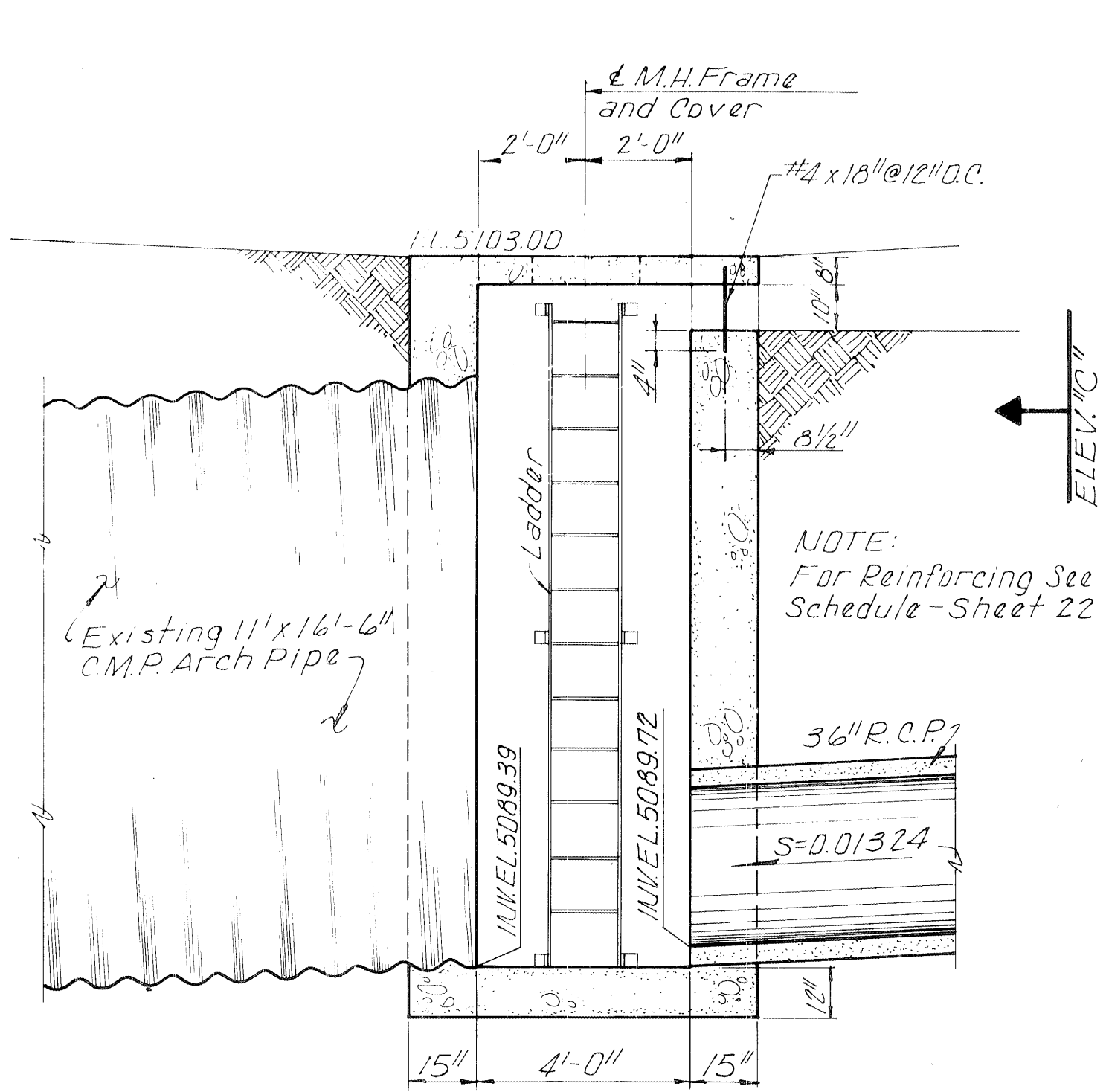
LAYOUT AT JUNCTION BOX No. 17 AND No. 18

Scale: 1"=10'



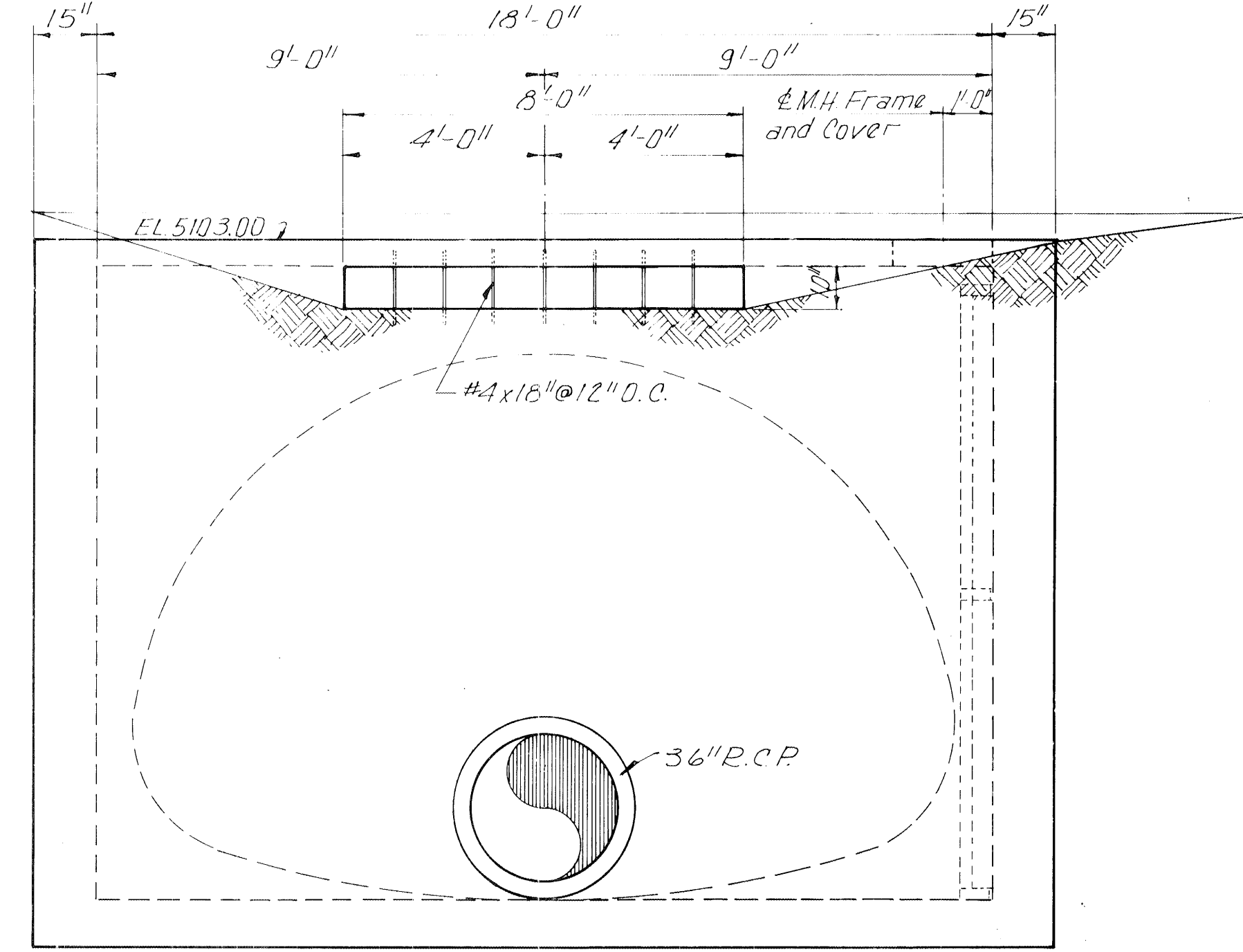
SECTION A-A

Scale: 3/8"=1'-0"



SECTION B-B

Scale: 3/8"=1'-0"



ELEVATION "C"

Scale: 3/8"=1'-0"

AS CONSTRUCTED



ALBUQUERQUE, NEW MEXICO
I-025 INTERCEPTOR STORM DRAIN
JUNCTION BOX DETAILS
AT
UNIVERSITY AND CAMPUS WASH

GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS		NEW MEXICO	
SCALE AS SHOWN	DATE FEB. 1972	DRAWN: B.G.C. CHECKED: G.A.J.	SHEET 25 OF 25