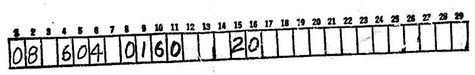
CITY OF

ALBUQUERQUE—NEW MEXICO

PLANS
FOR CONSTRUCTION
OF

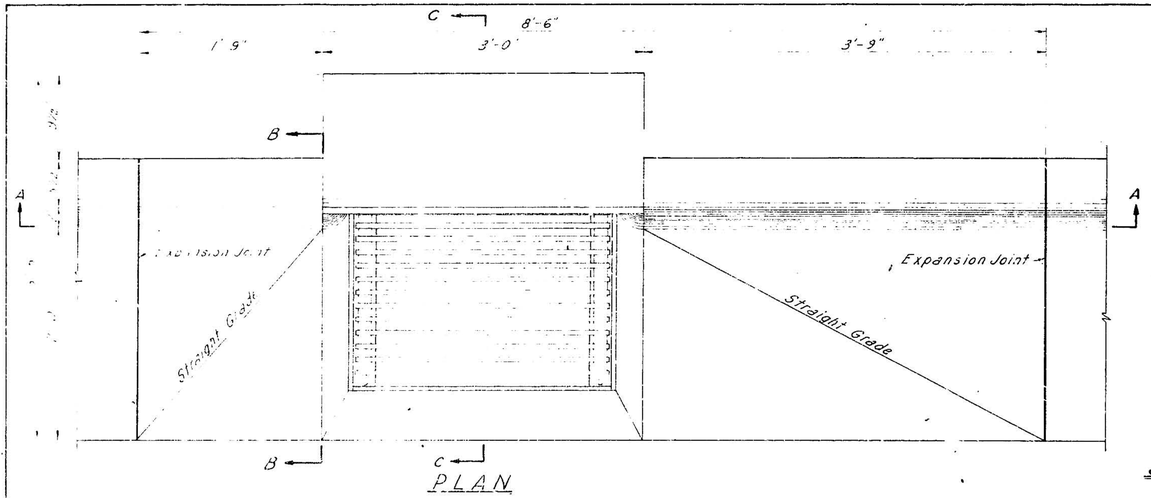
DALLAS ST., PENNSYLVANIA ST. INTERCEPTOR STORM SEWER



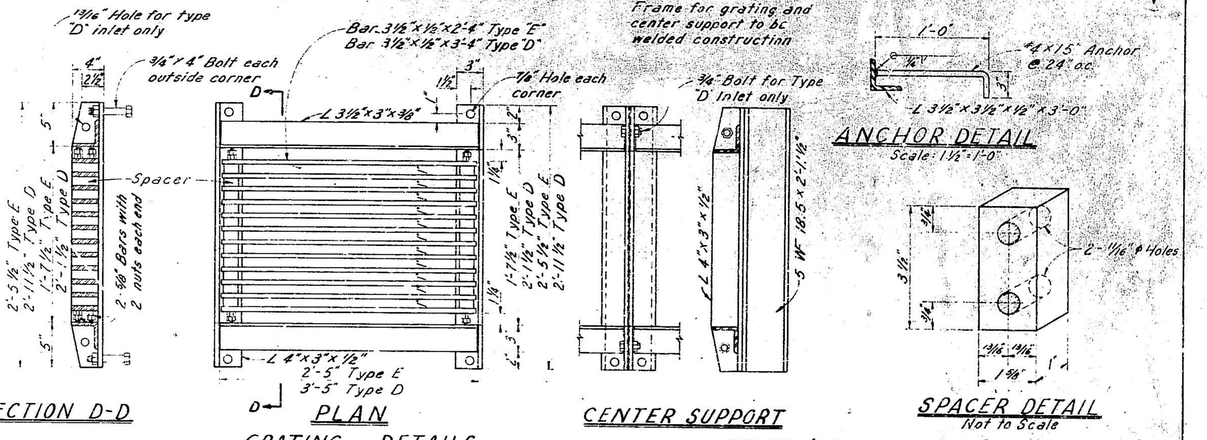
PRELIM

GORDON HERKENHOFF AND ASSOCIATES INC.

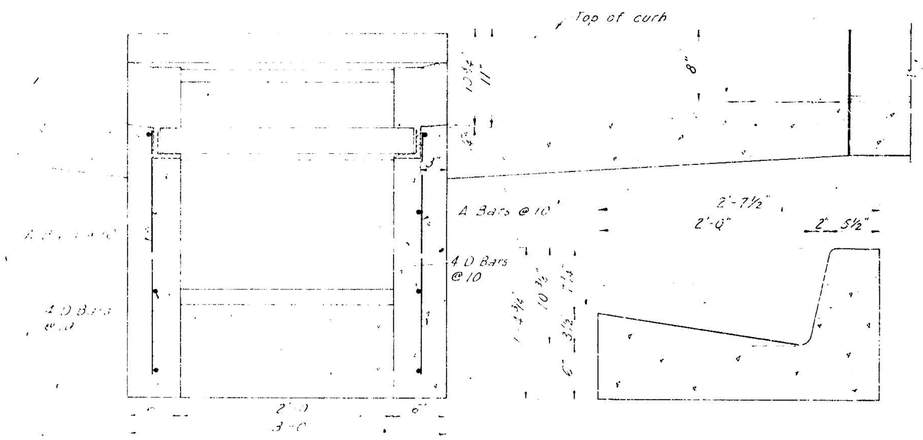
SHT 1 OF



PLAN

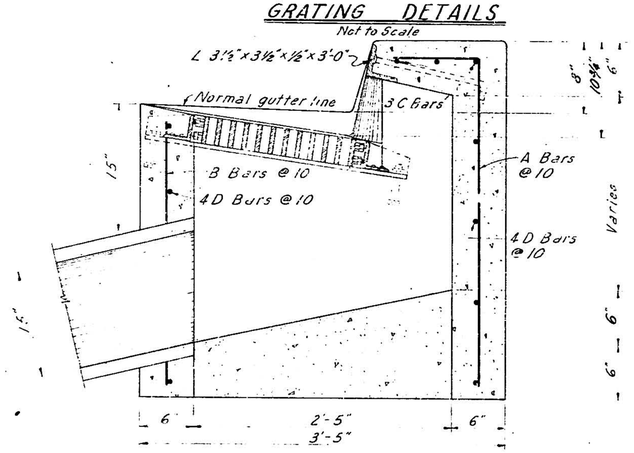


GRATING DETAILS

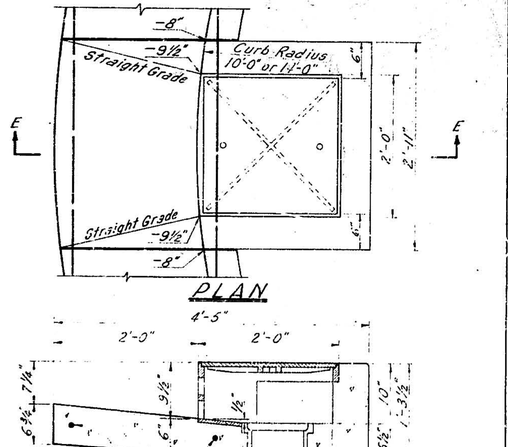


SECTION A-A

SECTION B-B
TYPE E INLET
Scale: 1½"=1'-0"



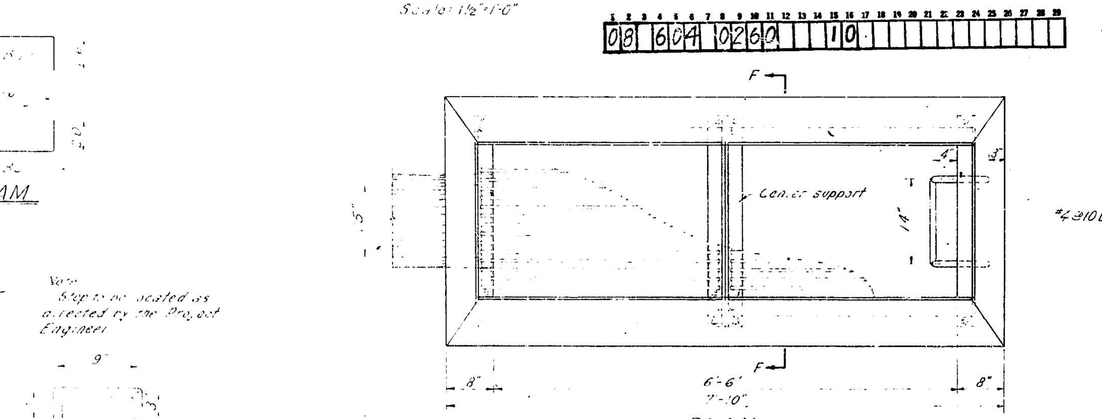
SECTION C-C



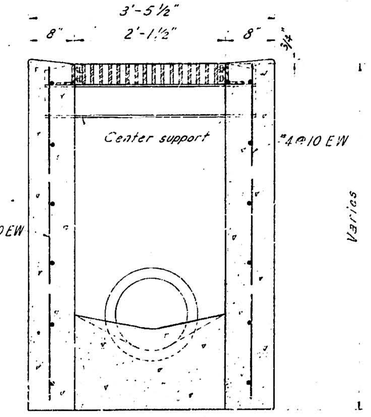
Type "F" inlet is Albuquerque Foundry casting. F-130

SECTION E-E
TYPE F INLET
Scale: 1"=1'-0"

BAR BENDING DIAGRAM



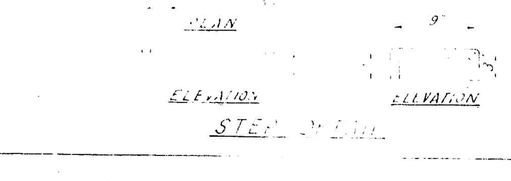
PLAN



SECTION F-F

TYPE D INLET
Scale: 1"=1'-0"

Note:
Step to be located as directed by the Project Engineer



STEP DETAIL

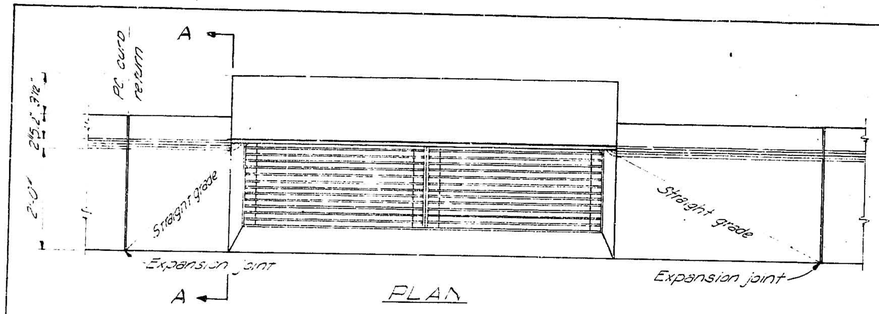
ALBUQUERQUE, NEW MEXICO

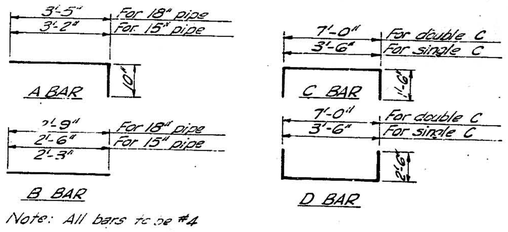
STORM SEWER STANDARDS

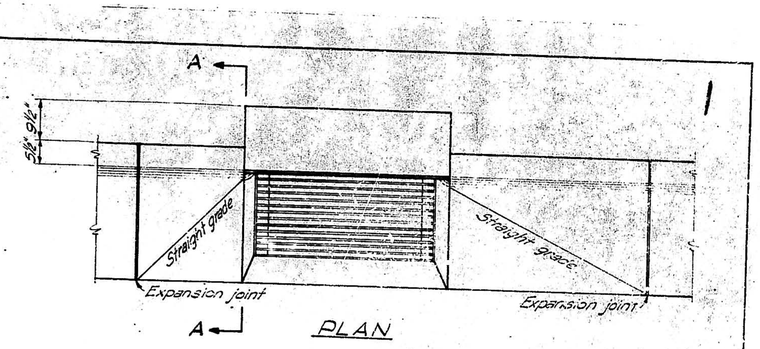
DROP INLET DETAILS
TYPE D, E, AND F

GORDON HERKENHUFF & ASSOCIATES, INC
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

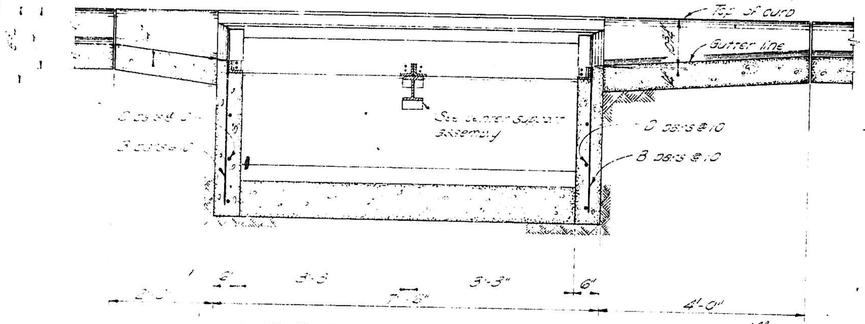
SCALE	DATE	DRAWN: R.M.	SHEET 2
AS SHOWN	OCTOBER 1958	CHECKED: G.A.J.	OF

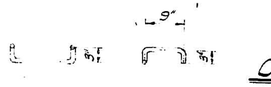






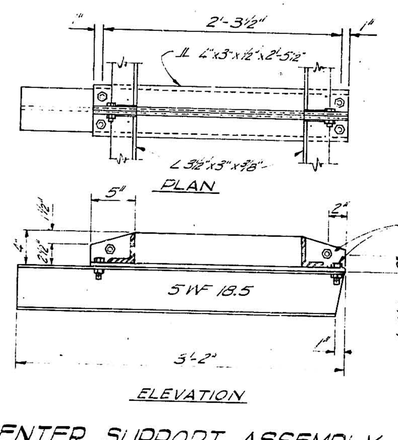
BAR BENDING DETAILS

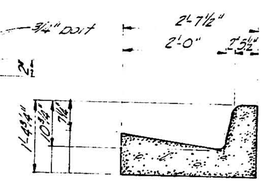




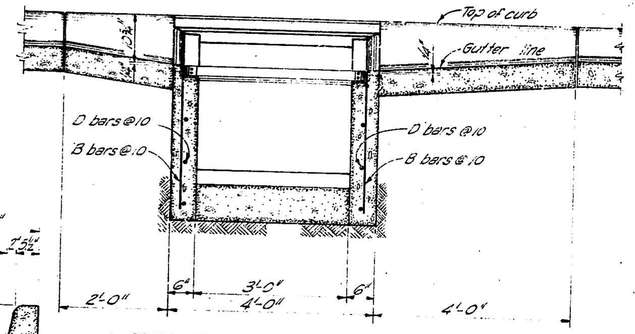
Note:
Step to be located as directed by the project engineer.

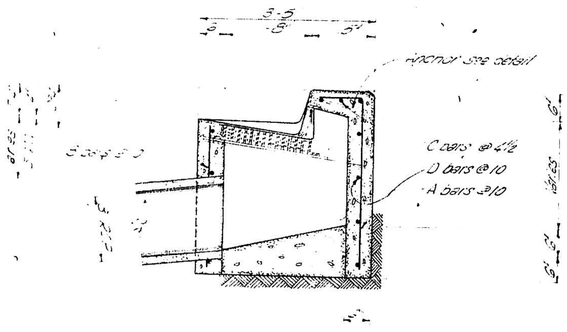
STEP DETAIL
Scale: 3/4"=1'-0"

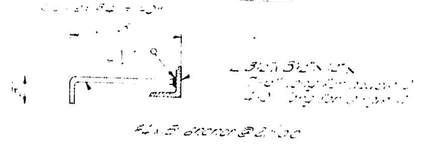




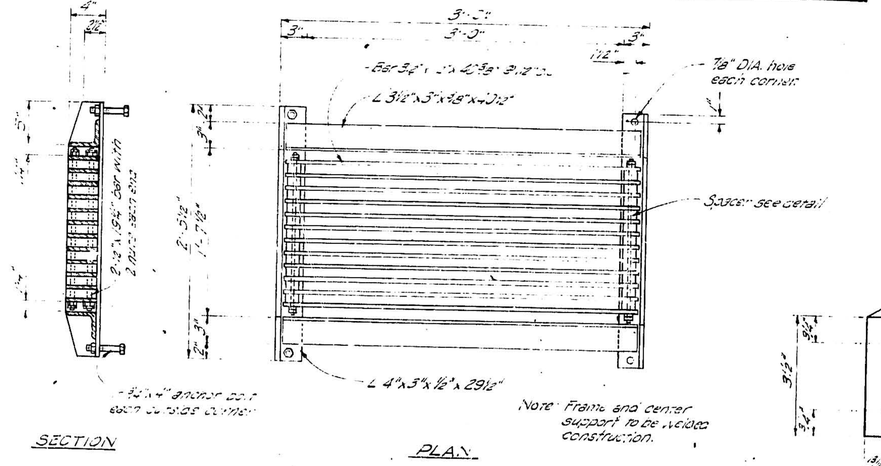
SECTION A-A
Scale: 3/4"=1'-0"





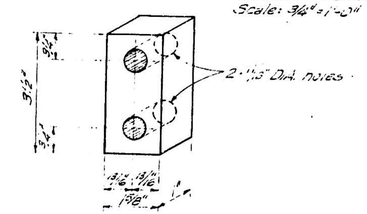


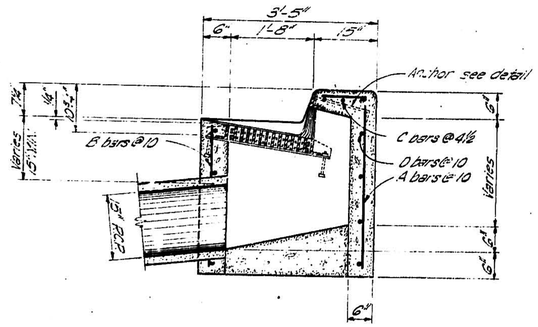
ANCHOR DETAIL
Not to scale



Note: Frame and center support to be welded construction.

FRAME AND GRATING DETAILS
Scale: 2"=1'-0"

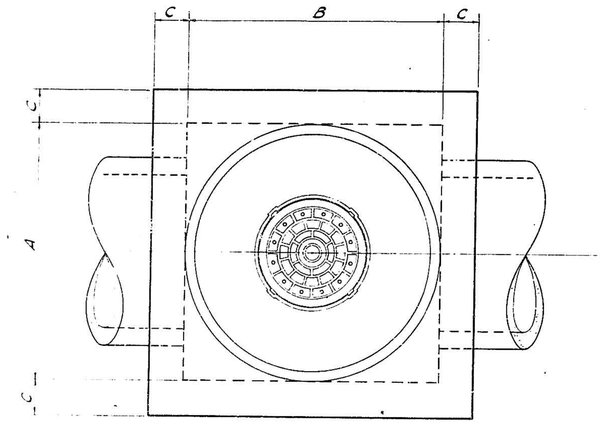


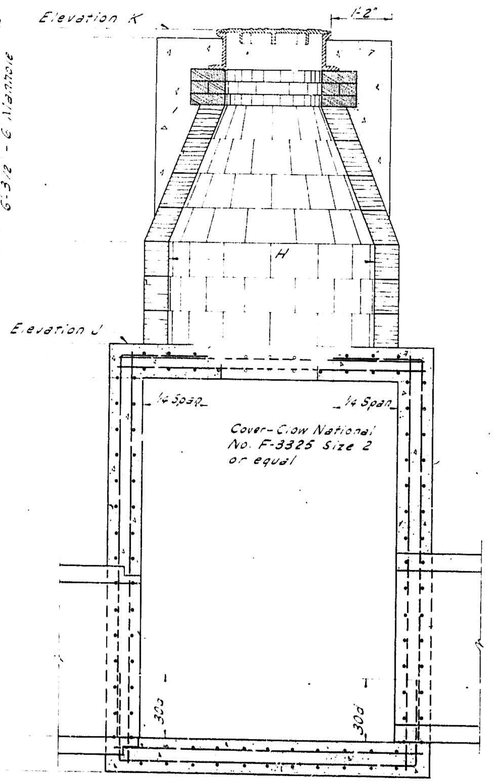


TRANSVERSE SECTION
SINGLE C INLET
Scale: 3/4"=1'-0"

ALBUQUERQUE, NEW MEXICO	
STORM SEWER STANDARDS	
DROP INLET DETAILS DOUBLE C AND SINGLE C	
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS ALBUQUERQUE NEW MEXICO	
SCALE: AS SHOWN	DATE: OCTOBER 1958
DRAWN: G.A.F CHECKED: C.A.J.	SHEET 3 OF

PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
NO.	S.P.'S NOTED	
	STRUCTURE POINTING DATA	





SECTION

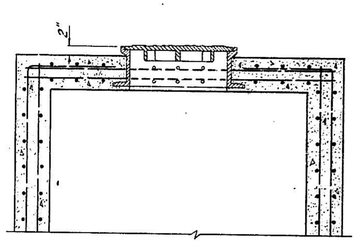
JUNCTION BOX DETAILS

Scale: 3/4"=1'-0"

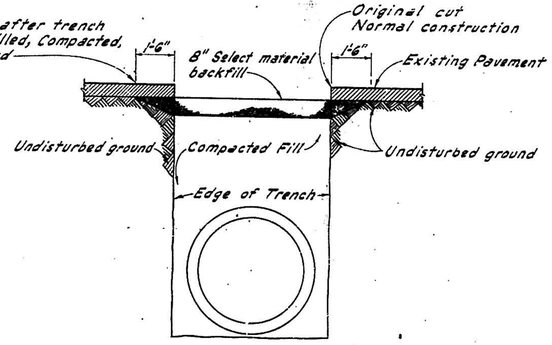
PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	CHECKED	
NO. — —	S.P.'S NOTED	
	STRUCTURE POINTING DATA	

JUNCTION BOX SCHEDULE

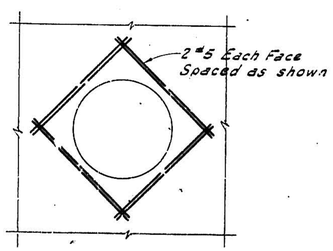
Line	Junction Box	STATION	INLET	OUTLET	DIMENSIONS A	B	C	D.	E	F	G	H	INVERT EL.	Elevation J or K	REINFORCING Roof	Walls	Floor
A	A	24+80	72"	72"	9'-0"	6'-0"	10"	7'-0"	12"	10"	2'-9½"	4'-0"	5314.47	5330.10 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	B	26+10.00	72"	72"	9'-0"	6'-0"	10"	7'-0"	12"	10"	2'-0½"	4'-0"	5315.99	5331.00 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	C	37+10.00	72"	72"	9'-0"	6'-0"	12"	7'-0"	12"	12"	9'-10½"	4'-0"	5320.91	5343.45 (K)	#6@6 Each Way	#6@6 Each Way	#6@6 Each Way
A	D	40+75.00	72"	72"	9'-0"	6'-0"	12"	7'-0"	12"	12"	8'-10½"	4'-0"	5322.39	5344.50 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	E	45+52.00	66"	72"	9'-0"	6'-0"	8"	7'-0"	12"	10"	0'-4½"	4'-0"	5324.90	5337.20 (K)	#5@6 Each Way	#6@6 Each Way	#5@12 Each Way
A	F	52+00.00	66"	66"	8'-0"	8'-0"	8"	7'-0"	12"	12"	1'-2½"	4'-0"	5329.69	5343.00 (K)	#6@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	G	53+15.62	66"	66"	8'-0"	8'-0"	8"	7'-0"	12"	10"	1'-10½"	4'-0"	5330.99	5344.00 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	H	61+69.75	66"	66"	8'-0"	6'-0	8"	7'-0"	12"	10"	2'-0½"	4'-0"	5333.70	5354.10 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	J	68+57.73	66"	66"	8'-0"	6'-0	8"	7'-0"	12"	10"	2'-0½"	4'-0"	5340.60	5354.40 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A	K	72+18.82	66"	66"	8'-0"	6'-0"	8"	6'-8½"	12"	10"	0'-0"	4'-0"	5342.80	5354.40 (K)	#5@6 Each Way	#6@6 Each Way	#5@12 Each Way
A J	L	74+83.88 0+16.62	66" 36"	66"	8'-0"	8'-0"	8"	7'-0"	12"	10"	0'-6½"	4'-0"	5345.00	5357.50 (K)	#5@6 Each Way	#6@6 Each Way	#5@9 Each Way
A B	M	81+95.08 0+16.62	52" 36"	66"	8'-0"	7'-0"	8"	6'-6"	12"	8"	0'-0"	4'-0"	5350.01	5359.80 (K)	#4@6 Each Way	#5@6 Each Way	#5@12 Each Way
B C	N	26+81.67 0-15.00	48" 42"	48"	6'-0	6'-0"	8"	9'-5"	12"	8"	0'-0"	4'-0"	5380.90	5394.40 (K)	#5@6 Each Way	#4@6 Each Way	#4@12 Each Way
C	O	3+92.03	48"	48"	6'-0"	6'-0"	8"	5'-11½"	12"	8"	0'-0"	No Manhole	5384.95	5391.58 (J)	#4@8 Each Way	#4@8 Each Way	#4@18 Each Way
K	P	14+75.00	42"	48"	6'-0"	6'-0"	8"	5'-8"	12"	8"	0'-0"	4'-0"	5339.50	5349.90 (K)	#5@6 Each Way	#4@6 Each Way	#4@12 Each Way



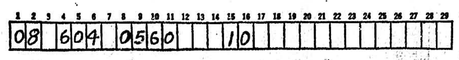
JUNCTION BOX "O"
STATION 3+92.03 LINE "C"



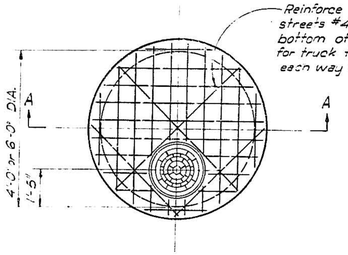
PAVEMENT CUT DETAIL
Not to Scale



ADDITIONAL REINFORCING AT OPENINGS

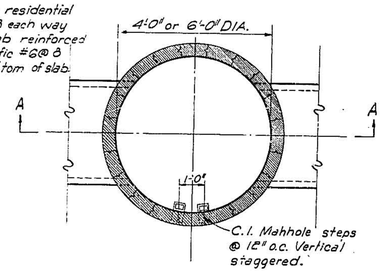


100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.



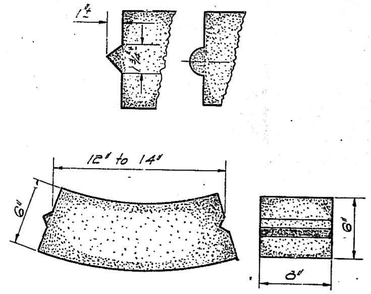
TOP PLAN OF TYPE A

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



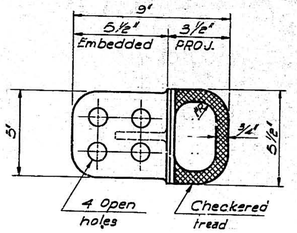
SECTION PLAN OF TYPE A AND TYPE B

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

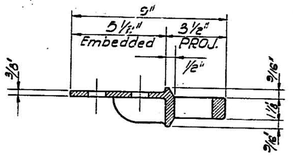


TYPICAL DETAIL OF CONCRETE BLOCK

1/8" SCALE: 1/8" = 1"



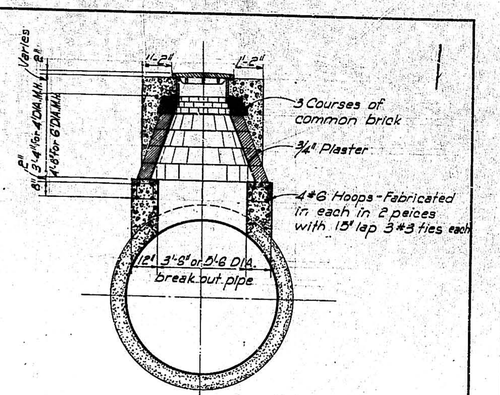
PLAN



SECTION

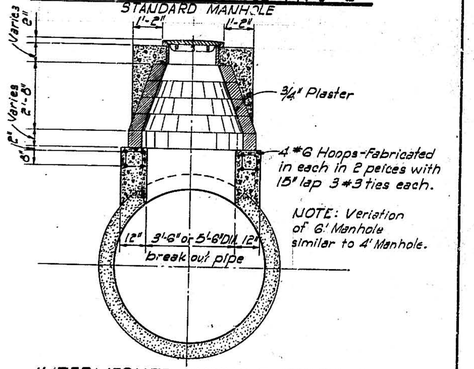
TYPICAL DETAILS OF STANDARD MANHOLE STEPS

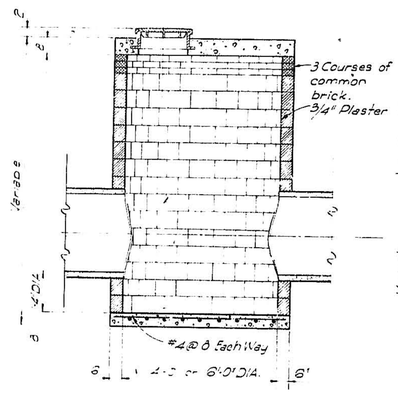
SCALE: ½" = 1'-0"



INTERMEDIATE MANHOLE-TYPE C

STANDARD MANHOLE

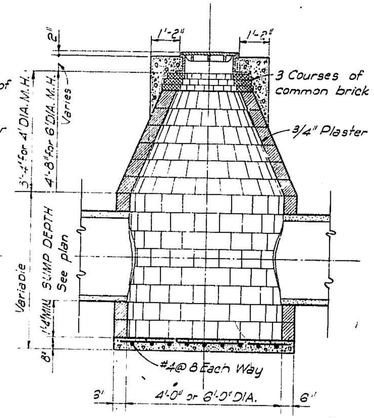




SECTION A-A - TYPE A MANHOLE

(STANDARD INVERT)

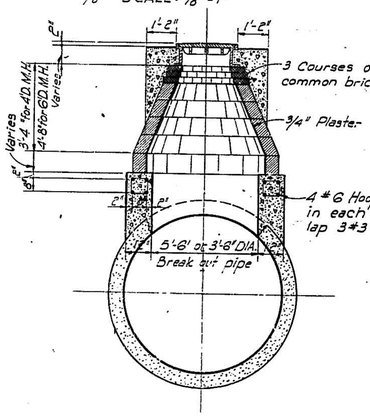
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE B MANHOLE

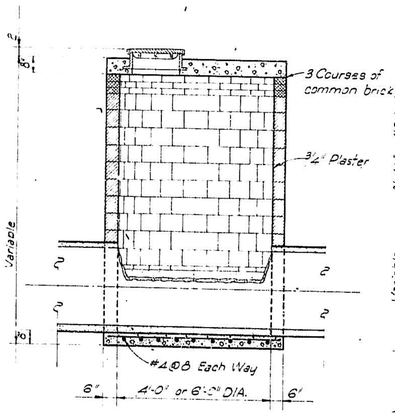
(WITH SUMPED INVERT)

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



INTERMEDIATE MANHOLE-TYPE C

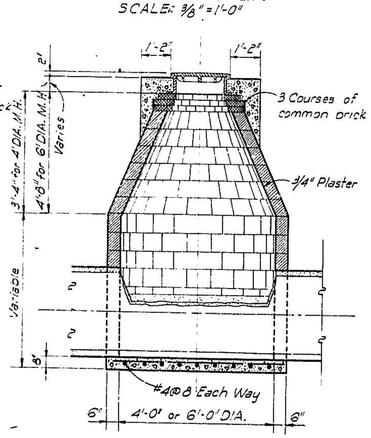
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE A MANHOLE

(STANDARD INVERT)

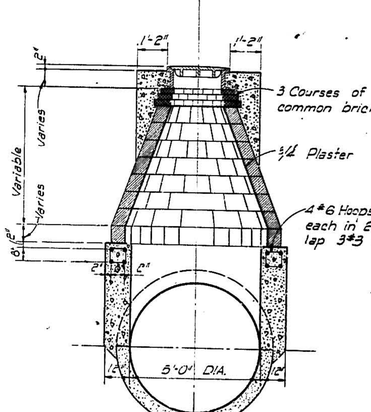
SCALE: 3/8" = 1'-0"



SECTION A-A - TYPE B MANHOLE

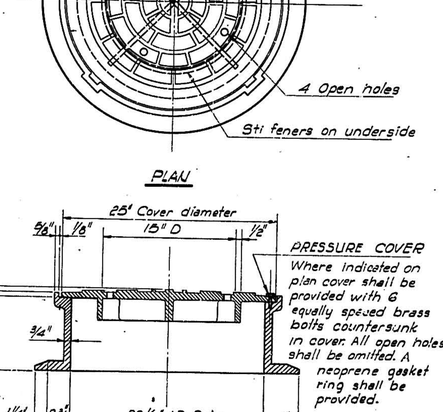
(STANDARD INVERT)

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



INTERMEDIATE MANHOLE-TYPE C

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



PLAN

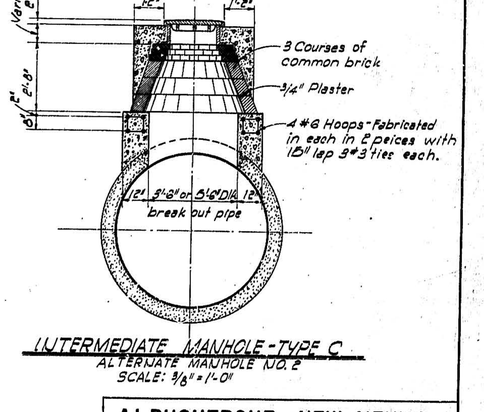
SECTION

TYPICAL DETAILS OF CAST IRON MANHOLE RING AND COVER

SCALE: ½" = 1'-0"

INTERMEDIATE MANHOLE - TYPE C

ALTERNATE MANHOLE NO. 1



INTERMEDIATE MANHOLE - TYPE C

ALTERNATE MANHOLE NO. 2

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

ALBUQUERQUE, NEW MEXICO

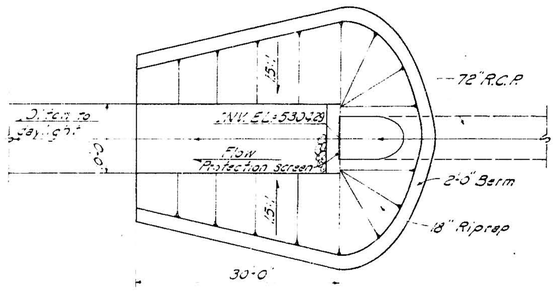
STORM SEWER STANDARDS

MANHOLE DETAILS

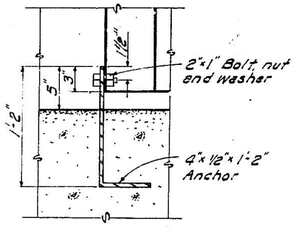
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.G.	SHEET 4
AS SHOWN		CHECKED: G.A.F	OF

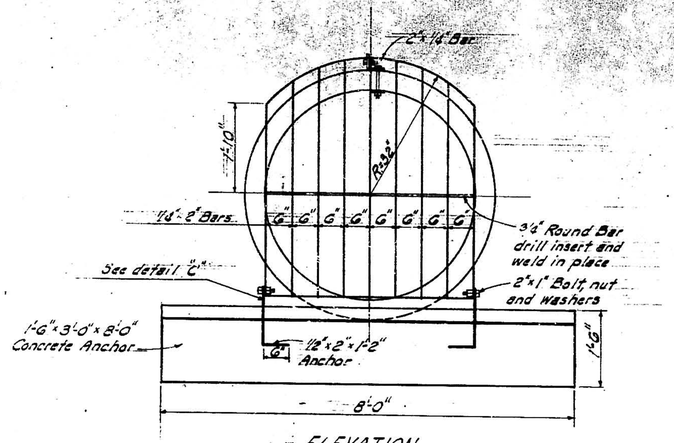
08 | 6 | 04 | 04 | 6 | 0 | 1 | 0



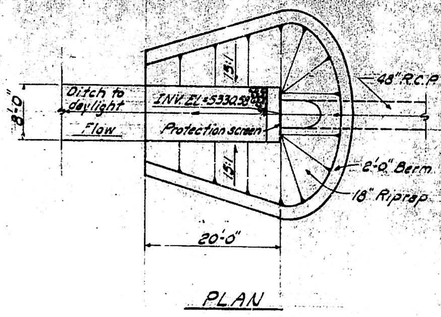
PLAN



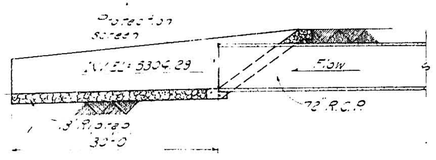
DETAIL "A"



ELEVATION



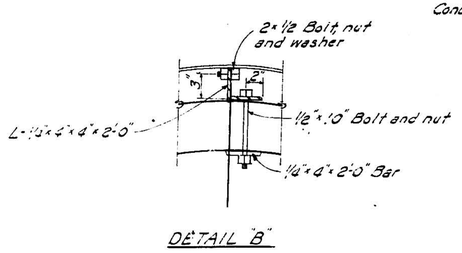
PLAN



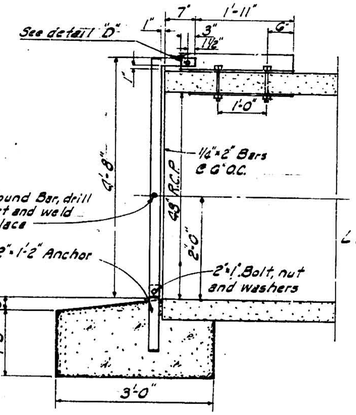
SECTION

OUTLET STRUCTURE DETAILS - STA. 2+00 LINE "A"

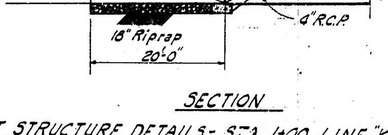
Scale: 1"=10'



DETAIL "B"



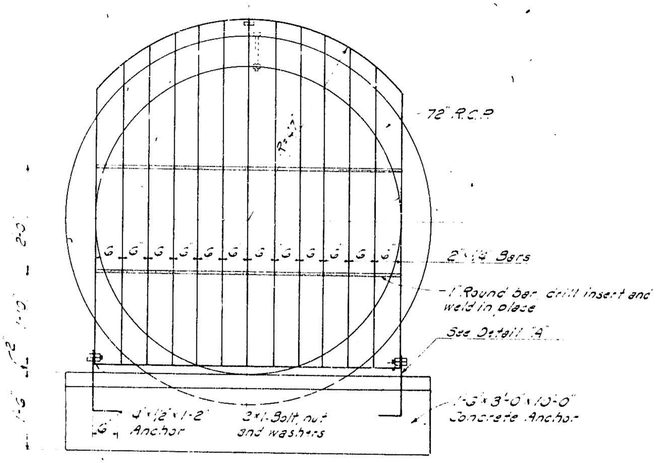
SECTION



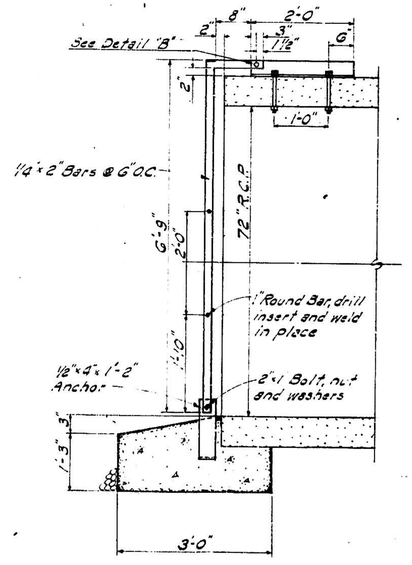
SECTION

OUTLET STRUCTURE DETAILS - STA. 1+00 LINE "K"

Scale: 1"=10'



ELEVATION

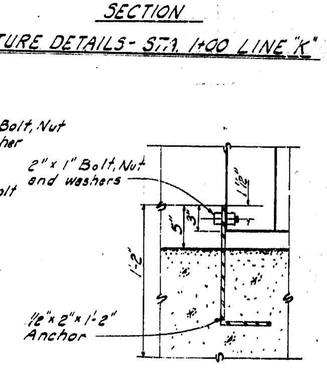


SECTION

PROTECTION SCREEN DETAILS - STA. 2+00 LINE "A"

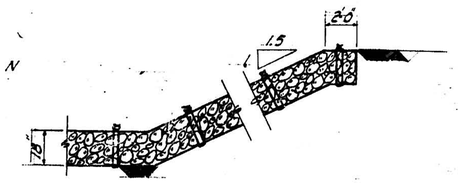
Scale: 3/4"=1'-0"

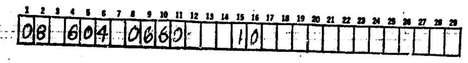
DETAIL "D"



DETAIL "C"

PROTECTION SCREEN DETAILS - STA. 1+00 LINE "K"





SHT 6

C-60

36"X60" Black on White
Letters 6" Series C
Reflectorize with O.D. .425 bottons 7/8 O.C.

O.D. = Optical Diameter

C-28

30"X30" Black on Yellow
Letters 6" Series C.
Reflectorize with O.D. 0.425 bottons 7/8" O.C.

C-50

24"X24" Black on Yellow
Letters 8" Series B.
Reflectorize with O.D. 0.610 1 1/8" O.C.

C-26

30"X30" Black on Yellow. Letters 6" Series C
Reflectorize with O.D. 0.425 bottons
7/8" O.C.

C-55

24"X24" Black on Yellow
Letters 5" Series C.
Reflectorized.

C-64

24"X24" Black on Yellow
Letters 5" Series C.
Reflectorized

C-87

24"X24" Black on Yellow
Letters 5" Series C.
Reflectorized.

D-31

24"X6" Black on White.
Letters 3" Series C.
Reflectorize with O.D. .260 bottons.

D-32

24"X24" Black on White
Reflectorize shank with 0.80 bottons 1 1/2" O.C., head with O.D. 0.610 bottons 1 1/8 O.C. min.

D-14

24"X24" Black on Yellow.
Letters 4" Series C.
Reflectorized.

C-67

24"X24" Black on Yellow.
Letters 2" Series B
Plain

C-69

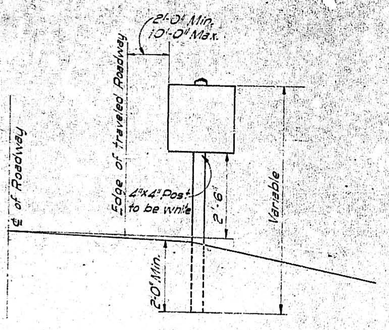
24"X24" Black on Yellow.
Letters 4" Series B
Plain

C-29

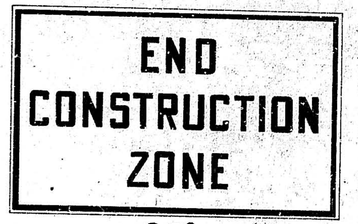
24"X24" Black on Yellow.
Letters 4" Series C.
Plain

C-89

24"X24" Black on White
Letters 2" Series D.
Reflectorized

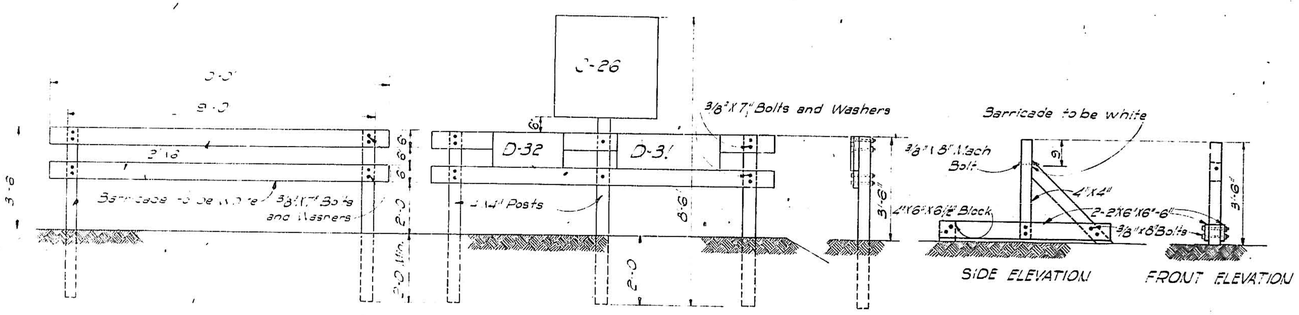


PLACEMENT OF SIGNS



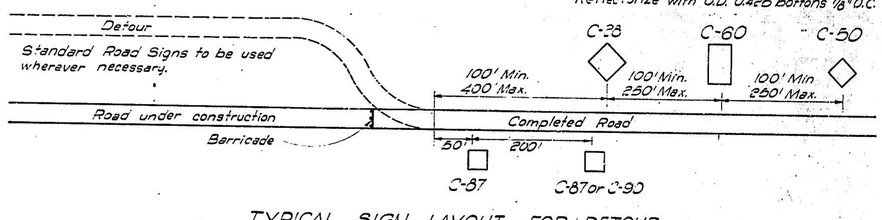
C-90

36"X60" Black on White Letters 6" Series C
Reflectorize with O.D. 0.425 bottons 7/8" O.C.



BARRICADE

BARRICADE STAND (OPTIONAL)



TYPICAL SIGN LAYOUT FOR DETOUR

SPECIFICATIONS

ERECTION AND DISPLAY

All signs and barricades shall be erected on posts of the dimensions shown elsewhere on this sheet. They shall be securely bolted to their standards with three-eighths (3/8") inch bolts.

Where it is impracticable to place barricades on posts set in the ground, the above bottons stand may be used. Two posts or stands shall be used for each ten (10) foot section of barricade except where a "Road Closed" sign is used in conjunction with the barricade. In the latter case a solid barricade shall be used.

Temporary signs, such as "Men Working" "Watch for Grader" etc., may be erected on posts or temporary stands to facilitate prompt removal when the purpose for which they have been erected has been fulfilled. Tripods and stands shall be properly weighted to prevent their being blown over. Methods and types of devices shall be subject to the approval of the Engineer.

DISPLAY

The above signs have been designed so as to afford maximum protection and convenience to the contractor and traffic alike. In order to obtain maximum efficiency from these signs, this sheet shall be closely adhered to and no variation will be allowed without express permission by the Engineer. All signs, with exception of the barricade shall be erected facing on the right hand side of approaching traffic. Care shall be taken to place these signs so as to afford maximum visibility.

Temporary signs, such as "Men Working" "Watch for Trucks" etc., shall only be displayed when the hazard they refer to actually exists.

Signs not reflectorized shall have Toledo Torches placed in front of them during the hours of darkness.

On reconstruction projects, widening project, etc., where traffic is passed over the project, only that part of the project shall be signed where work is actually prosecuted or construction hazards exist. In no case shall the spacing between signs be less than one hundred feet.

Approaching a surfacing project etc. requiring to detour, the first warning sign shall be placed two hundred and fifty feet from the point of hazard.

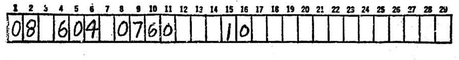
All signs required shall be furnished, installed and maintained in good order by the contractor.

The contractor shall be responsible for damages to any persons or property resulting from defects, obstructions or any other cause during the progress of the work and the erection and maintenance of Standard Signs does not in any way affect this responsibility.

All lettering to be rounded and shall conform to standard Lettering as adopted by the A.A.S.H.O., 1947

Reflector bottons shall be Signal Service Reflector Bottons No. ALA-11 or equivalent, as approved by the Engineer, and of the optical diameter as shown.

Optional Barricade Signs shall be used at each end of construction or major repair projects only when some form of work is being performed which creates a traffic hazard throughout the entire length of the project. In case of several short sections of construction or major repair projects which are separated by intervals, each section shall be barricaded with Optional Barricade Signs.



W-3

30"X30" Black on Yellow
Letters 10" Series C.
Reflectorize with O.D. 0.610 bottons 1 1/8" O.C.

MEANS OF REFLECTORIZATION

1. Reflector bottons or units set in the symbol or message.
2. Reflecting coatings on the sign background, or in the symbol or message.
3. All reflecting elements shall reflect white lights, except that if a reflecting coating is used as a background of a yellow sign it shall reflect yellow light.
4. Bottons for 4", 6" and 8" letters shall be O.D. 0.425-7/8 O.C. Bottoms for 8" and 10" letters shall be O.D. 0.610-1 1/8" O.C.

NEW MEXICO

DALLAS ST., PENN. ST. INTERCEPTOR STORM SEWER

STANDARD CONSTRUCTION SIGNS

IN ACCORDANCE WITH N.M.S.H.D. STANDARDS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.C.	SHEET 7
		CHECKED: G.A.J.	OF

MESA DEL NORTE ADDITION

NOTE: For riprap and screen details see sheet

STA 1+10 Begin Rip Rap

STA 2+00 Begin Construction

R.O.W.

ARROYO

EMBUDO

FRAZEMAN

BLOCK A

BLOCK B

BLOCK C

BLOCK 1

BLOCK 2

BLOCK 3

275'

300'

50'

60'

120'

Ditch to daylight

New 6' DIA. Type 'C' M.H.

Bench Mark: Nail in power pole S.E. corner Pennsylvania and Constitution. EL. 5310.52

SUMMER STREET, N.E.

DALLAS STREET N.E.

MOUNTAIN ROAD, N.E.

LINE "A"

MESA DEL NORTE ADDITION

Existing ground

2" Fill over pipe

72" R.C.P. S=0.0047

Ditch to daylight

New 6' DIA. Type 'C' Manhole STA 3+00 INV 5303.70

New 6' DIA. Type 'C' Manhole STA 8+50 INV 5307.47

New 6' DIA. Type 'C' Manhole STA 13+50 INV 5308.15

New 6' DIA. Type 'C' Manhole STA 17+50 INV 5310.44

ENV. 5304.29

72" R.C.P. S=0.0047

72" R.C.P. S=0.0043

5325

5320

5315

5310

5305

5300

5295

MESA DEL NORTE ADDITION

B & R ADDITION

BLOCK C

BLOCK 3

600'

120'

60'

50'

G' DIA. M.H. Type C

DALLAS STREET N.E.

MARBLE AVENUE, N.E.

Junction Box

15" R.C.P.

18" R.C.P.

6' C.I. M.H. 7.6' Deep

36" C Inlet

24" C Inlet

15" C Inlet

Weld Steel

6' DIA. M.H. Type C

Alley

LOMAS BLVD. Double Inlet

STA 25+65.05 Back = EQUATION STA 26+10.00 Ahead

LINE "A"

MESA DEL NORTE ADDITION

B & R ADDITION

Existing ground

New 6' DIA. Type 'C' Manhole STA 18+10 INV 5311.39

New 6' DIA. Type 'C' Manhole STA 21+00 INV 5312.84

Junction Box STA 24+40

Junction Box STA 26+10

72" R.C.P. S=0.0043

5330

5325

5320

5315

5310

PLAN

SURVEYED
PLOTTED
CHECKED
BY
NOTE BOOK
NO.

DATE

PROFILE

SURVEYED
PLOTTED
CHECKED
BY
NOTE BOOK
NO.

DATE

PLATE 2-PLAN-PROFILE O. P. R. & R. E.
DIS. RAG TRANSPARENTIZED TRACING PAPER-MADE IN U. S. A.
CHARLES BRUNING COMPANY, INC.

CAUTION! FILM SPLICES MAY CAUSE SCANNING ERRORS (ANSI/AIIM MS51-1991)

08 6047 0060 01 58192 57191

SHT 8

MESA DEL NORTE ADDITION

NOTE: For riprap and screen details see sheet

ARROYO

STA. 1+70 Begin Rip Rap

STA. 2+00 Begin Construction

R.O.W.

BLOCK A

275'

50'

STREET, N.E.

BLOCK B

10

ROAD, N.E.

ADDITION

15

2

BLOCK C

Ditch to daylight

New 6' DIA. Type 'C' M.H.

New 6' DIA. Type 'C' M.H.

New 6' DIA. Type 'C' M.H.

New 6' DIA. Type 'C' M.H.

DALLAS STREET N.E.

EMBUDO

FREEWAY

300'

BLOCK 1

Bench Mark: Nail in power pole S.E. corner Pennsylvania and Constitution EL. 5310.52

SUMNER

50'

BLOCK 2

MOUNTAIN

60'

BLOCK 3

LINE "A"

MESA DEL NORTE ADDITION

Existing ground

2" Fill over pipe

72" R.C.P. S=.00047

Ditch to daylight

INV. 5304.29

New 6' DIA. Type 'C' Manhole STA. 3+00 INV. 5308.10

72" R.C.P. S=.00047

New 6' DIA. Type 'C' Manhole STA. 4+50 INV. 5307.74

72" R.C.P. S=.00047

Existing ground

New 6' DIA. Type 'C' Manhole STA. 7+50 INV. 5308.15

72" R.C.P. S=.00047

72" R.C.P. S=.00043

New 6' DIA. Type 'C' Manhole STA. 11+50 INV. 5310.04

72" R.C.P. S=.00043

53.5 5310 5305 5300 5295

5320 5315 5310

5325 5320 5315 5310 5305

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

MESA DEL NORTE ADDITION

B & R ADDITION

15

BLOCK C

600'

30'

ARENUE, N.E.

10 9 8 7 6 5 4 3 2 1

20

60' " " " " " " " " 60'

6' DIA. M.H. Type C

6' DIA. M.H. Type C

DALLAS STREET N.E.

Junction Box

600'

BLOCK 3

MARBLE

60' " " " " " " " " 60'

9 10 11 12 13 14 15 16 17 18

120'

50'

LINE "A"

15"x25" R.C.P. Inlet

Wall 6' L.W. Steel

6' L.W. Steel

Junction Box

Double C. Inlet

18" R.C.P.

LOMAS BLVD.

Double C. Inlet

STA. 25+65.28 Back = EQUATION STA. 26+10.00 Ahead

25' 25' 30'

100'

B & R ADDITION

Alley

22 21 20 19 18

60'

6' DIA. M.H. Type C

36" C. Inlet

18" R.C.P.

6' C.I. M.H. 76 Deep

15" R.C.P.

36" C. Inlet

135'

50'

10 11 12

9 8 7 6 5

CAUTION! THIS MAP MAY NOT BE COMPLETE OR ACCURATE. CALL CEL. CO. CIV. 1971

08 609 0860 01 5B192

5719

Existing ground

New 6' DIA. Type 'C' Manhole STA. 18+10 INV. 5317.39

New 6' DIA. Type 'C' Manhole STA. 21+00 INV. 5318.84

72" R.C.P. S=.00043

72" R.C.P. S=.00043

72" R.C.P. S=.00043

Junction Box STA. 25+65.28

Junction Box STA. 26+10.00

72" R.C.P. S=.00043

72" R.C.P. S=.00043

Existing ground

New 6' DIA. Type 'C' Manhole STA. 28+00 INV. 5319.00

5330 5325 5320 5315 5310

5330 5325 5320 5315 5310

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

PLATE 2-PLAN-PROFILE O. P. R. & R. E.

DIS. BAR TRANSPARENTIZED TRACING PAPER-MADE IN U.S.A. CHARLES BRUNING COMPANY, Inc.

SHT 3

PLAN — SURVEYED 1971 PLOTTED CHECKED ALIGNMENT CHECKED BY OF MAP CHECKED — NOTE BOOK — NO. 1 — DATE — BY

PROFILE — SURVEYED PLOTTED CHECKED CHECKED BY OF MAP CHECKED — NOTE BOOK — NO. 1 — STRUCTURE NOTATION CHECK — DATE — BY

B. & R. ADDITION

LINE "A"

New Single "C" Inlet
New Double "C" Inlet
Junction box
New 6' DIA. Type "C" manhole
New 6' DIA. Type "O" manhole
72" R.C.P.
66" R.C.P.
15" R.C.P.
12" R.C.P.
2" H.P.
6" Steel line
20" Steel line
ROMA AVE., N.E.
GRAND AVE., N.E.
COPPER AVE., N.E.
DOMINGO ROAD
Existing ground
Existing single "C" inlet
MESA VERDE ADDITION
KAY ADDITION

PLAN
SURVEYED
PLOTTED
TRACED
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.

PLAT 2—PLAN-PROFILE C. P. R. & R. E.
100% RAG TRANSPARENTOID TRACING PAPER—MADE IN U. S. A.
CHARLES BRUNING COMPANY, INC.

SHT 9

B. & R. ADDITION

LINE "A"

New Single "C" Inlet
New Double "C" Inlet
Junction box
New 6'DIA. Type "C" manhole
72" R.C.P.
66" R.C.P.
60" R.C.P.
15" R.C.P.
2" H.P.
5" L.W.S.
20" N. Steel line
6" Steel line
M.H. 4.5' deep
M.H. 10' deep
M.H. 9.92' deep
M.H. 9.5' deep
POMA AVE., N.E.
GRAND AVE., N.E.
COPPER AVE. N.E.
DOMINGO ROAD
Existing single "C" inlet
Existing ground
Junction box Sta. 37+30 Inv. 5342.25
Sta. 37+10 Inv. 5332.09
Sta. 38+38 Inv. 5327.67
Sta. 41+00 Inv. 5323.39
Sta. 43+00 N. Inv. 5322.75 S. Inv. 5322.39
Sta. 44+00 Inv. 5322.39
Sta. 0+00 Line F = Sta. 53+15.62 Line A
Sta. 54+20
Sta. 55+60
S=0.0043
S=0.0038
S=0.0058
S=0.0063

PLAN — SURVEYED, PLOTTED, DRAWN, TRACED, CHECKED, NOTE BOOK, NO., STRUCTURES NOTATIONS CK'D.

PROFILE — SURVEYED, PLOTTED, DRAWN, TRACED, CHECKED, NOTE BOOK, NO., STRUCTURES NOTATIONS CK'D.

PLATE 2-PLAN-PROFILE O. P. R. & R. E.
10CS 1149 TRANSPARENTIZED TRACING *PAPER-MADE IN U.S.A.
CHARLES PFENNING COMPANY, INC.

SHT 9

CAVALIER ADDITION

ROAD, N.E.

DALLAS

New 6' DIA Type 'C' Manhole

M.H. 9.92' deep

New 6' DIA Type 'C' Manhole

66" R.C.P.

4' LWS

M.H. 8.65' deep

66" R.C.P.

M.H.

5' LWS

DOMINGO

CHICO

LINE "A"

KAY

Junction Box

M.H. 8.22' deep

66" R.C.P.

Junction Box

M.H. 8.19' deep

6" C.I.

M.H. 7.8' deep

66" R.C.P.

ALLEY

STREET, N.E.

147.10'

75.45'

101.59'

146.82'

18" R.C.P.

New Double C.I. Inlet

AVENUE "E" EAST

15" R.C.P.

New Double C.I. Inlet

Junction Box

CENTRAL

6" C.I.

8" C.I.

M.H. 9.72' deep Junction Box

66" R.C.P.

M.H. 8.2' deep

Line "J"

5' LWS

STA. 74+83.88 BK =
STA. 74+33.52 AH
EQUATION
STA. 0+16.62 "J" LINE

2

New 6' DIA. Manhole STA. 60+00 INV. ELEV. 5335.24

New 6' DIA. Manhole STA. 63+20 INV. ELEV. 5337.37

Existing ground

66" R.C.P. S=0.0058

66" R.C.P. S=0.0058

66" R.C.P. S=0.0058

66" R.C.P. S=0.0058

66" R.C.P. S=0.0058

STA. 67+29.75

STA. 68+51.73

STA. 72+18.82

UNITY ADDITION

BLOCK 1

PENNSYLVANIA

New 6' DIA Type 'C' Manhole

6" C.I.

66" R.C.P.

8" H.P.

66" R.C.P.

M.H. 9.36' deep

ALLEY

JUNIPER

Junction Box

ZUNI

ROAD, N.

S.E.

STA. 81+00.08 Line 'B'

STA. 82+00.28 Line 'A'

UNPLATTED

STA. 82+84.65 BK.

EQUATION

STA. 82+85.00 AH.

36" R.C.P.

New 6' DIA. Type 'C' Manhole

8" H.P.

M.H. 10.8' deep

36" R.C.P.

M.H. 10.25' deep

36" R.C.P.

M.H.

New 6' DIA. Type 'C' Manhole

CASAS SERENAS ADDITION

BLOCK 1

STREET, S.E.

AVENUE, S.E.

STA. 0+00 Line 'D'

STA. 89+48.8 Line 'A'

Stub out & and plug 36" R.C.P.

New 6' DIA. Type 'C' Manhole

LINE "A"

BLOCK 9

BELL

GOLDEN VIEW ADDITION

EMIL MANN ADDITION

New 6' DIA. Manhole STA. 78+00 INV. ELEV. 5341.79

66" R.C.P. S=0.0056

66" R.C.P. S=0.0056

66" R.C.P. S=0.0056

STA. 82+00.08

STA. 82+84.65 BK

STA. 82+85.00 AH

36" R.C.P. S=0.0065

36" R.C.P. S=0.0065

New 6' DIA. Manhole STA. 85+30.00

Existing ground

36" R.C.P. S=0.0065

Stub and plug

08 604 11060 01

5792

5691

PLAN

PROFILE

PLATE 2—PLAN—PROFILE O. P. R. R. E.
100% RAILTRANSPORTED FROM'S PANORAMA (M.V.) U.S.A.

SHT 10

CAVALIER ADDITION

ROAD, N.E.

DALLAS

DOMINGO

CHICO

KAY

LINE "A"

Junction Box

M.H. 9.92 deep

New 6' DIA. Type 'C' Manhole

M.H. 8.65' deep

M.H. 8.19' deep

M.H. 7.8' deep

M.H. 9.12 deep Junction Box

M.H. 8.2' deep

STREET, N.E.

Alley

New Double 2' Inlet

AVENUE, EAST

CENTRAL

Junction Box

STA. 74+83.88 P.C.=
STA. 74+33.52 AH "A" LINE
EQUATION
STA. 0+16.62 "J" LINE

Line "J"

5' L.W.S.

Existing ground

New 6' DIA. Manhole STA. 60+00 INV. ELEV. 5335.24

New 6' DIA. Manhole STA. 67+30 INV. ELEV. 5337.22

66" R.C.P. S=0.0058

UNITY ADDITION

BLOCK 1

PENNSYLVANIA

New 6' DIA. Type 'C' Manhole

M.H. 9.36' deep

8" W.P.

6" C.I.

ZUNI

Junction Box

UNPLATTED

STA. 82+84.65 B.K.

EQUATION

STA. 82+85.00 A.H.

STA. 84+00.28 Line "A"

STA. 84+00.28 Line "B"

S.E. 20" W.P.

CASAS SERENAS ADDITION

BLOCK 1

AVENUE, S.E.

STREET, S.E.

M.H. 10.8' deep

M.H. 8.26' deep

Stub out 4' and plug 36" R.C.P.

New 6' DIA. Type 'C' Manhole

GOLDEN VIEW ADDITION

BLOCK 9

BELL

EMIL MANN ADDITION

Existing ground

Stub and plug

36" R.C.P. S=0.0065

PLATE 2-PLAN-PROFILE O. P. R. R. E.

SHT 10

Sht 11

U N I T Y A D D I T I O N

BLOCK 1 | BLOCK 2 | BLOCK 3 | BLOCK 4 | BLOCK 5

PENNSYLVANIA STREET S.E. | RHODE ISLAND STREET S.E. | TENNESSEE STREET S.E. | TEXAS STREET S.E. | UTAH STREET S.E.

Junction Box W' | Line A | G" C.I. line | M.H. G.C. Deep | P.P. | F.H. | M.H. | W. G" C.I. line | New Double 'C' Inlet | 4" C.I. line

Z U N I R O A D S.E.

New G' DIA. Type 'B' M.H. | New G' DIA. TYPE B M.H. | M.H. 8.49' Deep | New G' DIA. Type 'B' M.H. | New G' DIA. Type 'B' M.H.

4' Block Wall | 549.45' | 141.05' | 247.01'

Line C | Line B | Line A | 8" W. | 6" S.

B.M. E. Lug San. M.H. intersection of PENN. and Zuni. 5359.78.

LINE "B"

U N P L A T T E D I O W A N A A D D I T I O N U N P L A T T E D

Junction Box N' | N. INV. = 60.01 | E. INV. = 60.27 | S. INV. = 61.41

Existing Ground

54" R.C.P. S=0.010

New Type 'B' M.H. W. INV. EL. 53.10 E. INV. EL. 53.20

New Type 'B' G' DIA. M.H. W. INV. EL. 56.20 E. INV. EL. 56.30

New Type 'B' G' DIA. M.H. W. INV. EL. 59.01 E. INV. EL. 59.05

48" R.C.P. S=0.010

New Type 'B' G' DIA. M.H. W. INV. EL. 63.40 E. INV. EL. 64.22

18" R.C.P. S=0.012

5365 | 5360 | 5355 | 5350 | 5345 | 5375 | 5370 | 5365 | 5360 | 5355

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15

U N I T Y A D D I T I O N

BLOCK 5 | BLOCK 6 | BLOCK 7 | BLOCK 8

VERMONT STREET S.E. | VIRGINIA STREET S.E. | WISCONSIN STREET S.E. | W. 80' Deep WYOMING BLVD. S.E. Line C

Z U N I R O A D S.E.

T.P. | 4" C.I. line | M.H. | P.P. | Double 'C' Inlet | 18" R.C.P. | M.H. | F.H. | Signs

New G' DIA. Type 'B' M.H. | 243.01' | 36.63' | New G' DIA. Type 'B' M.H. | 288.26' | New G' DIA. Type 'B' M.H. | New G' DIA. Type 'B' M.H.

Dbl. 'C' inlet | 18" R.C.P. | P.I. Sta. 26+81.67 Line "B" = Sta. 0+00 Line "C" | Stub-out and plug at 42" dia. R.C.P. | Double 'C' Inlet | Junction Box N' | 18" R.C.P. | 18+45 = 13+36

B.M. E Lug Sen. M.H. intersection of ZUNI and WISCONSIN. 5393.47

LINE "B"

U N P L A T T E D U N P L A T T E D

6' DIA. Type 'B' M.H. W. INV. EL. 67.82 E. INV. EL. 67.92

6' DIA. Type 'B' M.H. W. INV. EL. 71.52 E. INV. EL. 71.62

Existing Ground

48" R.C.P. S=0.012

6' DIA. Type 'B' M.H. W. INV. EL. 75.02 E. INV. EL. 75.12

6' DIA. Type 'B' M.H. W. INV. EL. 79.04 E. INV. EL. 79.92

48" R.C.P. S=0.012

42" C.I. Junction Box N' W. INV. EL. 80.90 E. INV. EL. 80.90 N. INV. EL. 81.19

5385 | 5380 | 5375 | 5370 | 5365 | 5390 | 5385 | 5380 | 5375 | 5370

15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26

PLAT 2 PLAN-PROFILE O. P. R. J. R. E.
100% RAG TRANSLUCENTIZED TRACING PAPER-MADE IN U. S. A.
CHARLES E. BRUNING COMPANY, INC.

SHT 11

2

UNITY ADDITION

BLOCK B

WAGGOMAN-DENISON ADDN.

WAGGOMAN-DENISON ADDN.

BLOCK 1

BLOCK 2

WYOMING BLVD. N.E.

GENERAL MARSHALL STREET N.E.

CENTRAL AVE. EAST

WYOMING BLVD. S.E.

New Double "C" Inlet

18" RCP

New 4' Type A Manhole

24" RCP

48" RCP

New 6' Type A Manhole

Junction Box

New Double "C" Inlet

330.24

B.M. East Lug of Sanitary Manhole at Intersection of Zuni and Wyoming. ELEV 5393.47

ZUNI AVE. SE

BLOCK A

57192

LINE "C"

18" RCP-S=0.01 CENTRAL

AVE. EAST

New 6' Dia. Type 'A' Manhole

New Double "D" Inlet

M.H.

Drainage

242.70'

301.96'

BLOCK A

BLOCK B

WAGGOMAN-DENISON ADDN.

Sta 0+00 ℄ Line "C"

Sta 26+78.67 Line "B"

Sta 0+92.03 ℄ Line "A"

Sta 0+00 ℄ Line "A"

Sta 3+34.95 ℄ Line "C"

Sta 3+36.14 ℄ Line "C"

Sta 5+38.42 ℄ Line "C"

Stub-out and plug - 4 length 48" R.C.P.

48" RCP S=0.0091

48" RCP S=0.0090

48" RCP S=0.0090

48" RCP S=0.0090

Junction Box

New 6' Manhole

Sta 1+52.03

Sta 2+50

Sta 4+50.36

Sta 5+14.00

Sta 0+92.03

Inv. 5334.95

Inv. 5333.91

Inv. 5333.67

Inv. 5336.14

Inv. 5336.42

5335

5330

5385

5380

5395

5390

5385

5380

CASAS SERENAS ADDN.

BLOCK 1

BLOCK 2

BLOCK 8

BLOCK 7

RHODE ISLAND STREET S.E.

TENNESSEE STREET S.E.

PENNSYLVANIA STREET S.E.

8" BELL

30" R.C.P.

MH-10.95' Deep

MH-9.85' Deep

5" L.W.S.

New 6' Dia. Type 'B' Manhole

New 6' Dia. Type 'A' Manhole

℄ - New Double "C" Inlets with 18" R.C.P. lines.

4 ℄'s

LINE "D"

LINE "E"

56191

Sta 0+00 ℄ Line "A"

Sta 3+34.95 ℄ Line "C"

TRUMBULL AVE. S.E.

121.04'

20.61'

R-25'

135'

135.01'

75'

CASAS SERENAS ADDN.

SOUTHERN TERRACE ADDN.

New 6' Manhole

Sta 0+00

℄ Inv. 5352.07

New 6' Manhole

Sta 3+00

W. Inv. 5352.07

E. Inv. 5360.17

New 6' Manhole

Sta 6+35

New 6' Manhole

Sta 6+79

Inv. 5363.72

E. Inv. 5363.82

Inv. 5364.00

30" R.C.P. S=0.010

30" R.C.P. S=0.010

24" R.C.P. S=0.008

5370

5365

5360

5355

5375

5370

5365

5360

0 8 6 0 4 1 2 6 0 0 1

57192

56191

PLATE 2-PLAN-PROFILE O. P. R. & P. E.

SHT 12

UNITY ADDITION

BLOCK B

Sta 0+00 ℄ Line "C" = Sta 26+81.67 ℄ Line "B"

50' 50' 14.23'

New Double "C" Inlet

18" RCP

WYOMING BLVD. S.E.

New Double "C" Inlet

New 4' Type A Manhole

24" RCP

45° RCP

Junction Box

18" RCP

New Double "C" Inlet

330.24'

B.M. East Lug of Sanitary Manhole at Intersection of Zuni and Wyoming. ELEV. 5893.47

ZUNI AVE. SE

BLOCK A

WAGGOMAN-DENISON ADDN.

57192

CENTRAL AVE. EAST

WYOMING BLVD. N.E.

BLOCK 1

2 3 4 5 6 7 8 9 10

GENERAL MARSHALL STREET N.E.

BLOCK 2

1 2 3 4

New Double "C" Inlet

18" RCP-S=0.01 CENTRAL

AVE. EAST

New 6' Dia. Type "A" Manhole

New Double "D" Inlet

18" RCP

Junction Box

MH

New Double "D" Inlet

℄ Drainage

242.70'

301.96'

57192

LINE "C"

BLOCK A

WAGGOMAN-DENISON ADDN.

BLOCK B

5395 5390 5385 5380

Sta 0+00 ℄ Line "C" = Sta 26+81.67 ℄ Line "B"

Inv. 5388.38

Sta 0+00 ℄ Line "C"

Inv. 5383.67

Inv. 5383.91

S. Inv. 5384.95

E. Inv. 5385.43

S. Inv. 5386.95

E. Inv. 5390.43

Inv. 5388.40

Stub out and plug 4 length 48" RCP

48" RCP S=0.0020

48" RCP S=0.0020

48" RCP S=0.0090

New 6' Manhole Sta 2+50

New 4' Manhole Sta 2+50

Sta 3+93.03

Junction Box Sta 4+82.03

New 6' Manhole Sta 5+40

-5 0 1 2 3 +32.03 4 5 6 7

CASAS SERENAS ADDN.

BLOCK 1

7 10 8 9 135' 135'

RHODE ISLAND STREET S.E.

BLOCK 2

7 10 8 9 135' 135'

TENNESSEE STREET S.E.

BLOCK 3

35 135' 22 2 21

PENNSYLVANIA STREET S.E.

Sta 0+00 ℄ Line "A"

Sta 26+13.13 ℄ Line "A"

NE A

8" BELL 30" RCP ℄ MH-095' Deep AVE. S.E. 30" RCP MH-985' Deep 5' FLWB.

New 6' Dia. Type 'B' Manhole

New 6' Dia. Type 'B' Manhole

2-New 6' Dia. Type 'A' Manholes

℄ 4 ℄

4-New Double 'C' Inlets with 18" R.C.P. lines.

LINE "D"

56191

CASAS SERENAS ADD.

BLOCK 8

10 13. 12 135' 135.01'

BLOCK 7

10 13 11 135.01'

RHODE ISLAND STREET S.E.

Sta 0+00 ℄ Line "A"

Sta 1+95 ℄ Line "A"

PENNSYLVANIA STREET S.E.

TRUMBULL AVE. S.E.

121.04' 20.01'

R-25'

75'

26 1 11 1 21

TENNESSEE STREET S.E.

LINE "E"

CASAS SERENAS ADDN.

SOUTHERN TERRACE ADD.

5375 5370 5365 5360

New 6' Manhole Sta 0+00 Inv. 5357.07

New 6' Manhole Sta 2+00 Inv. 5359.27

Inv. 5360.72

Inv. 5361.82

Inv. 5364.20

24" R.C.P. S=0.008

30" R.C.P. S=0.010

30" R.C.P. S=0.010

New 6' Manhole Sta 5+15.55

New 6' Manhole Sta 5+49.18

0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

08 60 4 12 60 01 57192

56191

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% MAT. TRANSPARENT-DED TRACING PAPER—MADE IN U. S. A.

SHT 12

B. & R. ADD. | MESA VERDE ADD.

LINE "F"

CAVALIER ADD. | MESA VERDE ADD.

MESA VERDE ADD.

LINE "F"

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG TRANSLUCENTIZED TRACING PAPER—MADE IN U. S. A.
CHARLES FRUNING COMPANY, INC

SHT

14

MESA VERDE ADD.

BLOCK 24 5

24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

25 " Hub 25

COPPER AVE. N.E.

DOMINGO ROAD N.E.

New 6' DIA Type 'A' Manhole

New 6' DIA Type 'B' Manhole

WISCONSIN STREET N.E. 18" RCP

New 6' DIA. Type 'A' Manhole M.H.

Double 'C' Inlet

Sta. 24+9.38 Line 'E' Sta. 0+00 Line 'G' for continuation see sheet

25 Hub 25 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

LINE "G"

BLOCK 23

MESA VERDE ADD.

BLOCK 20 5

24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

COPPER AVE. N.E.

DOMINGO ROAD N.E.

New 6' DIA. Type 'A' Manhole

New 4' DIA Type 'B' Manhole

TEXAS STREET N.E. 18" RCP

New 6' DIA. Type 'A' Manhole M.H.

Sta. 11+7.25 Line 'F' Sta. 0+00 Line 'H' for continuation see sheet

1" Iron Pin

25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

LINE "H"

BLOCK 19

Double 'C' Inlets

NOTE: New curb and gutter by others.

MESA VERDE ADD.

5380 5375 5370 5365 5360

New 6' Manhole Sta. 0+00 S'INV. 5364.28 W'INV. 5364.00

New 6' Manhole Sta. 3+00 S'INV. 5366.78 W'INV. 5366.50

New 6' Manhole Sta. 6+40 N'INV. 5369.50

Existing ground

24" RCP S=0.0080

24" RCP S=0.0080

0 1 2 3 4 5 6 7

New 6' Manhole Sta. 0+00 N'INV. 5371.50 E'INV. 5371.14 S'INV. 5369.18

New 4' Manhole Sta. 3+00 N'INV. 5373.09 S'INV. 5372.69

New 6' Manhole Sta. 6+40 N'INV. 5374.40 W'INV. 5374.00

Existing ground

24" RCP S=0.0090

24" RCP S=0.0090

0 1 2 3 4 5 6 7

5360 5355 5350 5345 5340

MESA VERDE ADD.

BLOCK 1 1 2 3 4 5 6 7 8 9 10 11

BLOCK 2 5 1 2 3 4 5 6 7 8 9 10 11

BLOCK 3 1 2 3 4 5 6 7 8 9 10 11

BLOCK 4 10 1 2 3 4 5 6 7 8 9 10 11

25.16 " " 25.16 20.13 25.16 " " 25.16

PENNSYLVANIA STREET

RHODE ISLAND STREET

TENNESSEE STREET

TEXAS STREET

UTAH STREET

Double 'C' Inlet

18" RCP

30" RCP

24" RCP

CENTRAL AVENUE

EAST

New 6' DIA Type 'B' Manhole

New 6' DIA. Type 'A' Manhole

M.H.

Sta. 0+00 Line 'A' Sta. 74+33.2 Line 'J' for continuation see sheet

136.06 136.07 136.07 136.07 136.06 136.07 136.07 136.07

1 22 1 20 1 18 1 18

BLOCK 1 BLOCK 2 LINE "J" BLOCK 3 BLOCK 4

UNITY ADD.

5365 5360 5355 5350 5345

New 6' Manhole Sta. 2+30 N'INV. 5350.80 E'INV. 5350.90

New 6' Manhole Sta. 6+00 N'INV. 5355.70 E'INV. 5355.90

New 6' Manhole Sta. 9+25 N'INV. 5356.80 E'INV. 5356.90

New 6' Manhole Sta. 13+00

New 6' Manhole Sta. 14+15

Existing ground

30" RCP S=0.0120

30" RCP S=0.0120

30" RCP S=0.0120

24" RCP S=0.0120

24" RCP S=0.0120

24" RCP S=0.0120

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

5370 5365 5360 5355 5350

New 6' Manhole Sta. 10+00 N'INV. 5360.10 E'INV. 5360.20

New 6' Manhole Sta. 13+00 N'INV. 5364.00 E'INV. 5364.10

New 6' Manhole Sta. 14+15 N'INV. 5365.00

08 6.04 1960 01 57 192

PLAN — CHECKED / PLOTTED / NOTE BOOK / NO. — ALIGNMENT CHECKED / BY / CHECKED

PROFILE — CHECKED / PLOTTED / NOTE BOOK / NO. — GRADES CHECKED / BY / CHECKED / STRUCTURE QUANTITIES CHECK

PLATE 2-PLAN-PROFILE O.P.R.R.R.E.

100% RA - TRANSPARENTIZED TRACING PREPARED BY THE REVELL CO.

CHARLES GRUNTIG COMPANY, LTD.

SHT 14

EAST END ADDITION

OUTLEY PARK

600'

UTAH STREET, N.E.

300'

AVENUE, N.E.

BOULEVARD, N.E.

LOMAS

BLOCK C

OUTLEY PARK

600'

MOUNTAIN ROAD, N.E.

ARROYO SOMBUDO

MARBLE

LINE "K"

EAST END ADDITION

48" R.C.P. S=0.3100

48" R.C.P. S=0.0100

48" R.C.P. S=0.0070

48" R.C.P. S=0.0070

48" R.C.P. S=0.0060

New G. Manhole Sta. 4+00 W. Inv. 5332.78 S. Inv. 5330.71

New G. Manhole Sta. 7+00.0

New G. Manhole Sta. 10+32.00

New G. Manhole Sta. 13+91.00

New G. Manhole Sta. 14+15.00

W. Inv. 5339.40 S. Inv. 5339.00

W. Inv. 5339.50 E. Inv. 5341.50

5340 5335 5330 5325

5350 5345 5340 5335

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

EAST END ADDITION

UTAH ST. N.E.

VERMONT STREET, N.E.

VIRGINIA STREET, N.E.

BOULEVARD, N.E.

WYOMING

LOMAS

BOULEVARD, N.E.

*Apparent Property Corner

BLOCK C

BLOCK D

LINE "K"

MESA VILLAGE ADDITION

MUNICIPAL ADDITION

BOSQUE REDONDO ADDITION

42" R.C.P. S=0.0090

42" R.C.P. S=0.0070

42" R.C.P. S=0.0040

30" R.C.P. S=0.0070

New G. Manhole Sta. 17+58.0 W. Inv. 5345.00 E. Inv. 5346.21

New G. Manhole Sta. 21+42.0 W. Inv. 5345.25 E. Inv. 5345.25

New G. Manhole Sta. 23+00 W. Inv. 5350.00 E. Inv. 5351.25

New G. Manhole Sta. 24+50 W. Inv. 5352.00

5360 5355 5350 5345

15 16 17 18 19 20 21 22 23 24 25 26

PLAN: SURVEYED, PLOTTED, NOTE BOOK, NO.

PROFILE: H. PLATE, V. PLATE, SCALE, CHECKED, NOTE BOOK, NO., STRUCTURE NO. PATHS OF CP

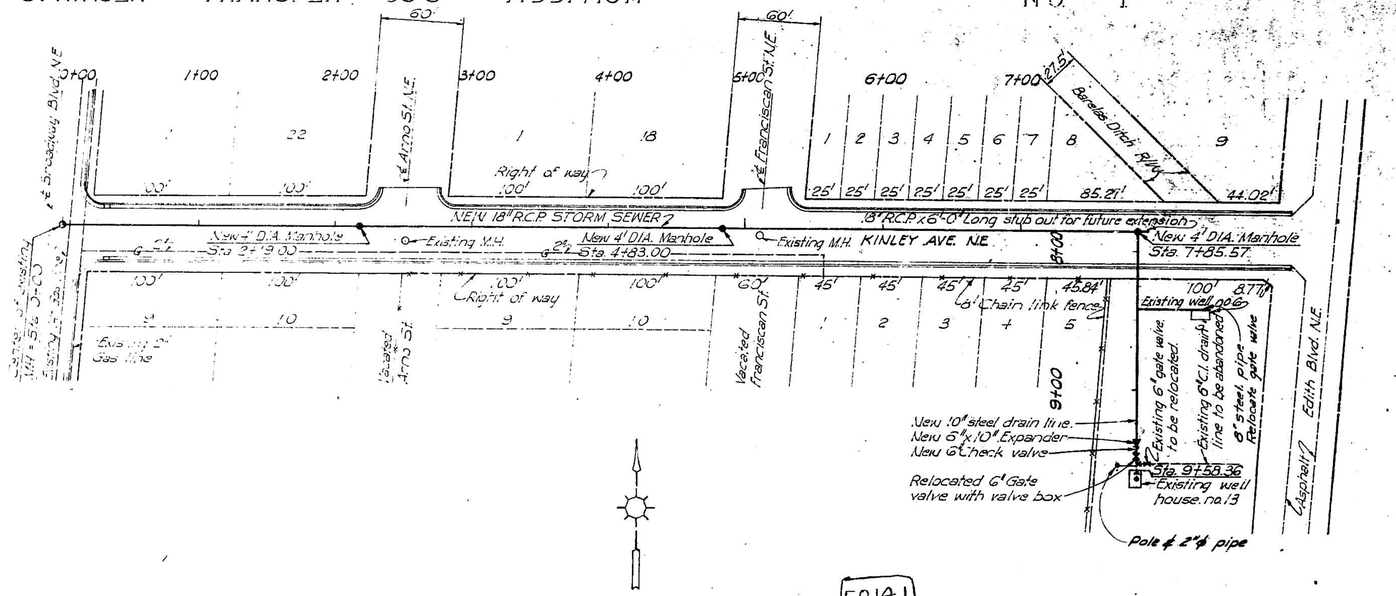
PLATE 2—PLAN—PROFILE O. P. R. & N. E.

SHT 15

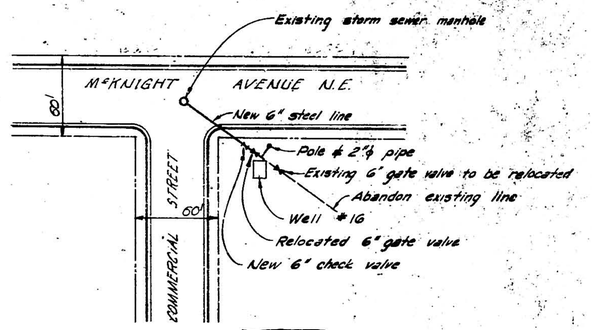
SPRINGER TRANSFER CO'S ADDITION NO. 1

FRANCISCAN ACRES ADDITION

2



58141

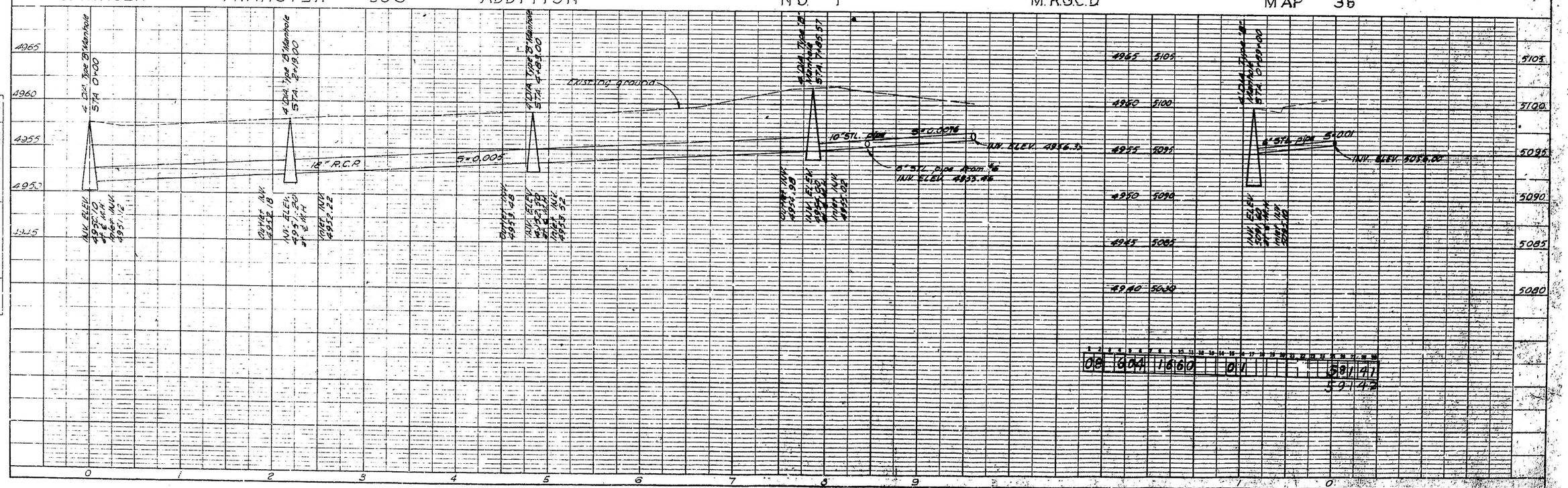


59142

PLAN

SPRINGER TRANSFER CO'S ADDITION NO. 1 M.R.G.C.D. MAP 36

PROFILE



58141

59142

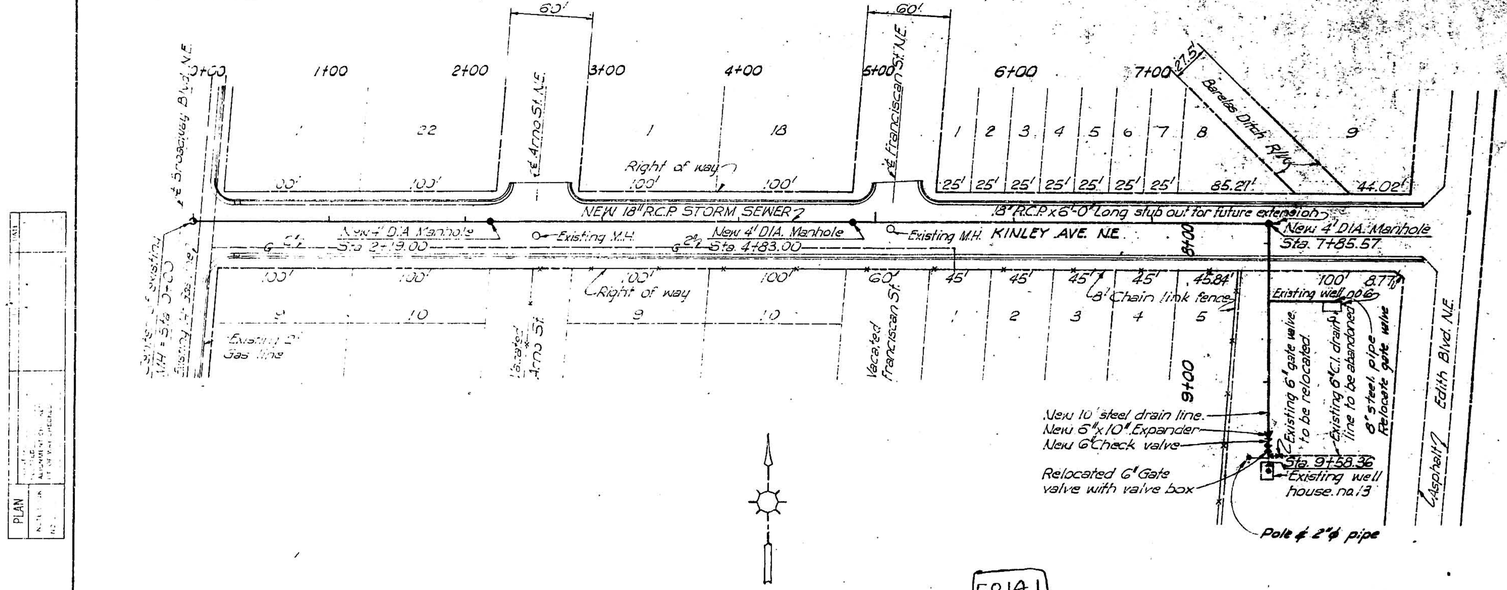
SHT 16

PLATE 1—PLAN-PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC

SPRINGER TRANSFER CO'S ADDITION NO 1

FRANCISCAN ACRES ADDITION

2



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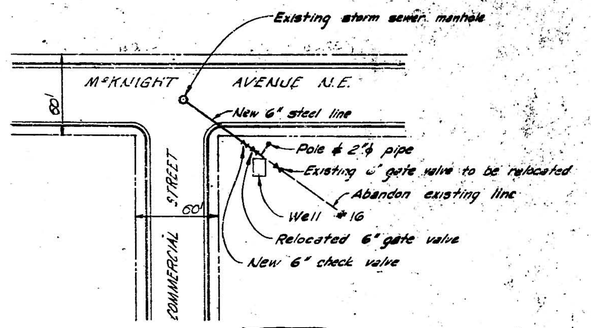

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SPRINGER TRANSFER CO'S ADDITION NO 1 M.R.G.C.D MAP 36

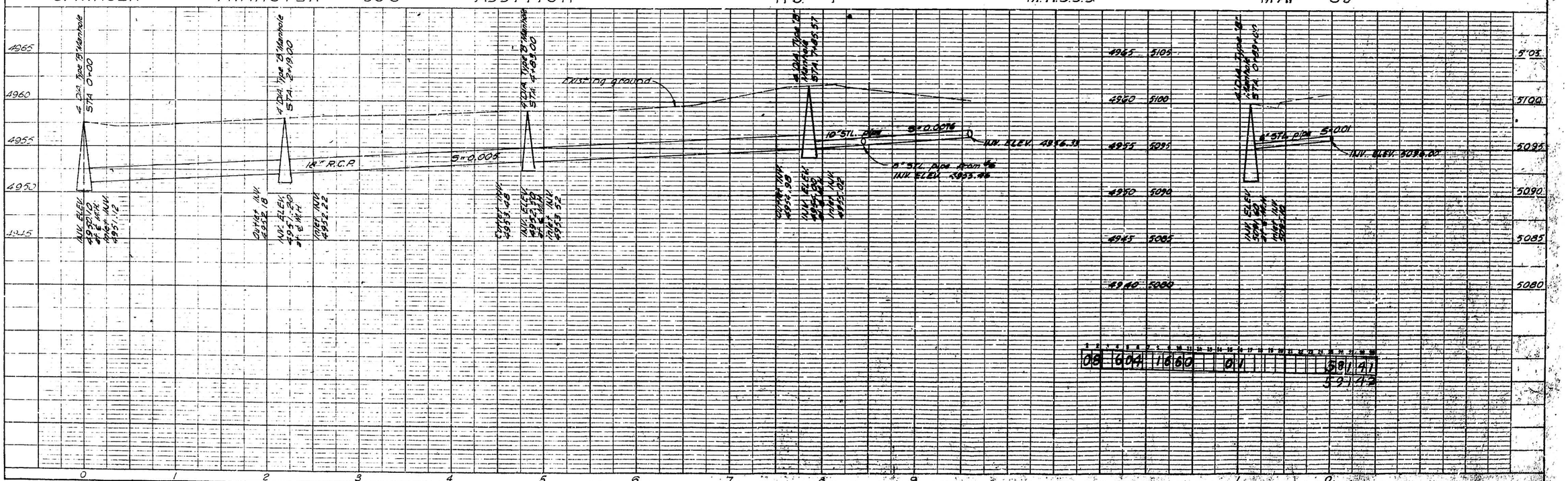
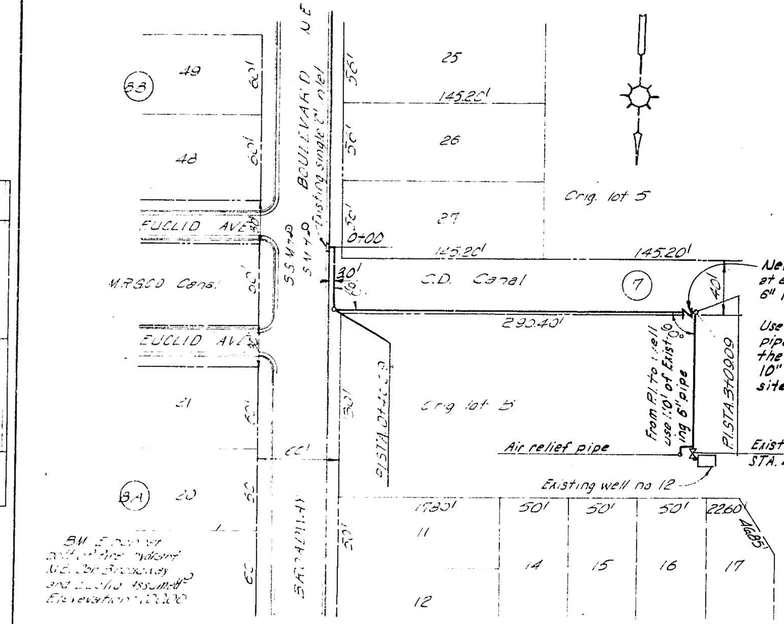


PLATE 1—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

SHT 16

FRANCISCAN ACRES ADDITION



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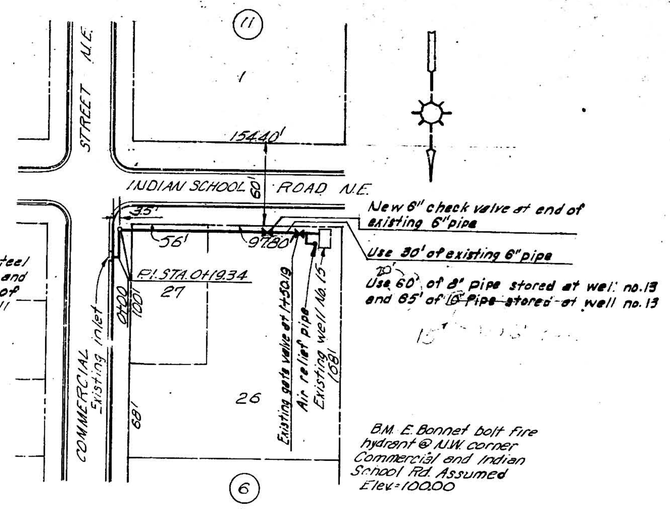

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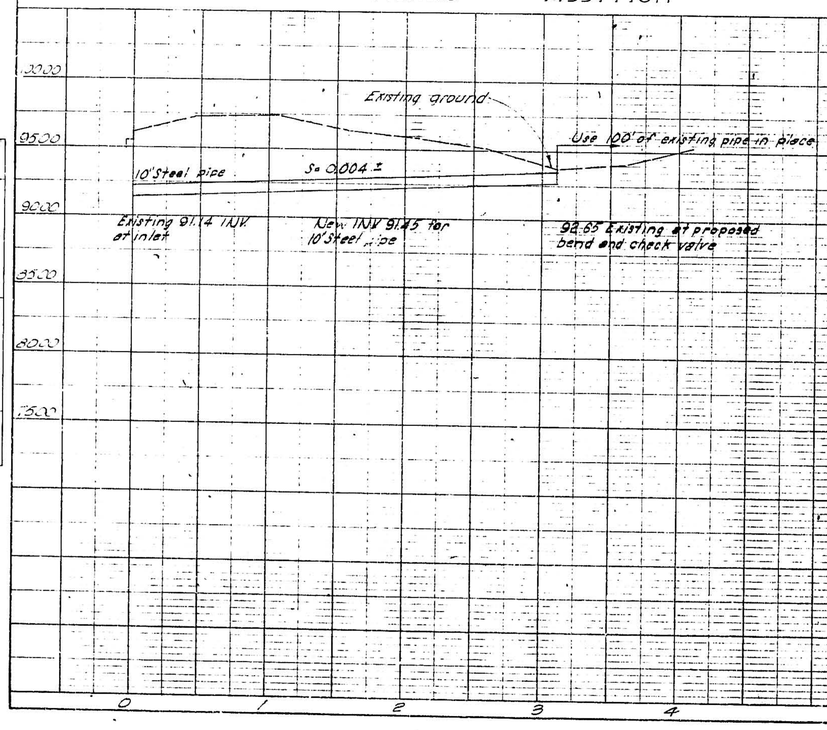

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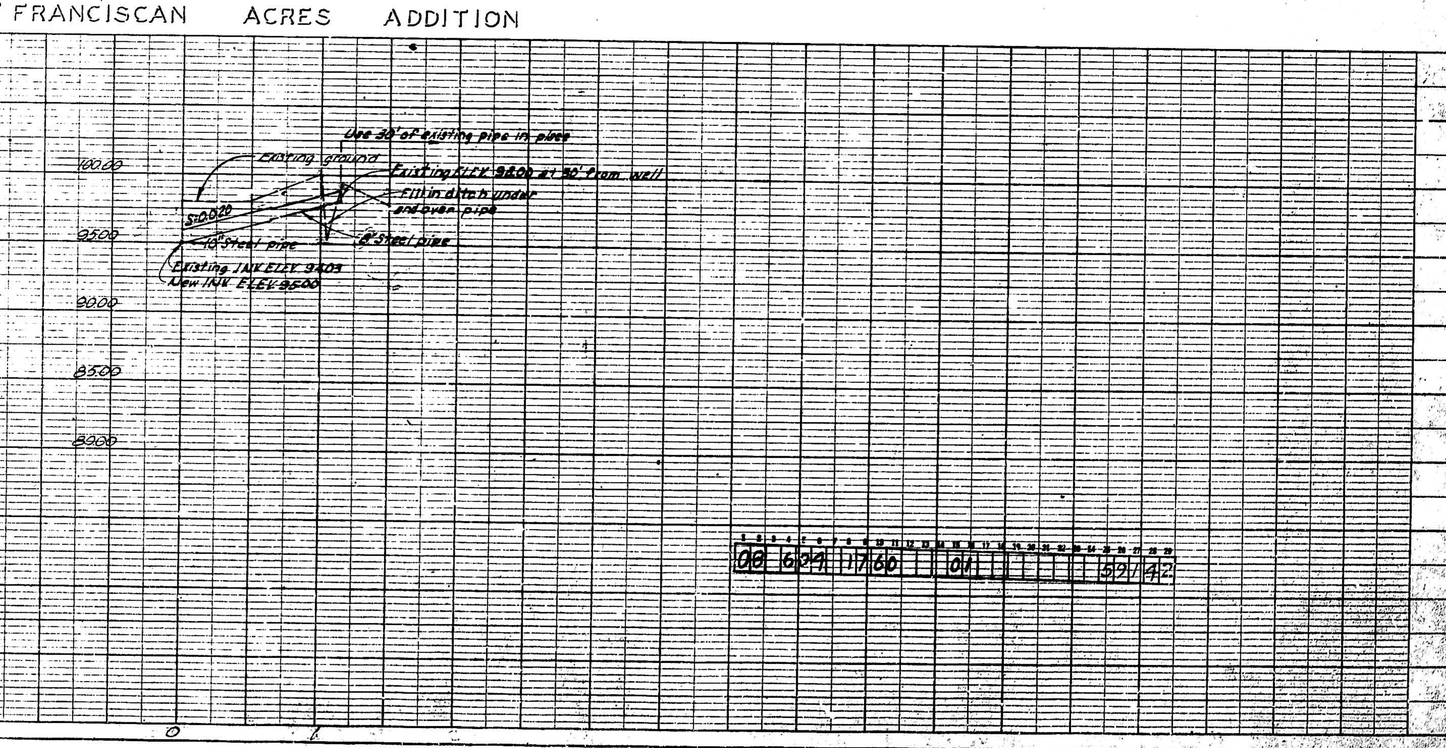
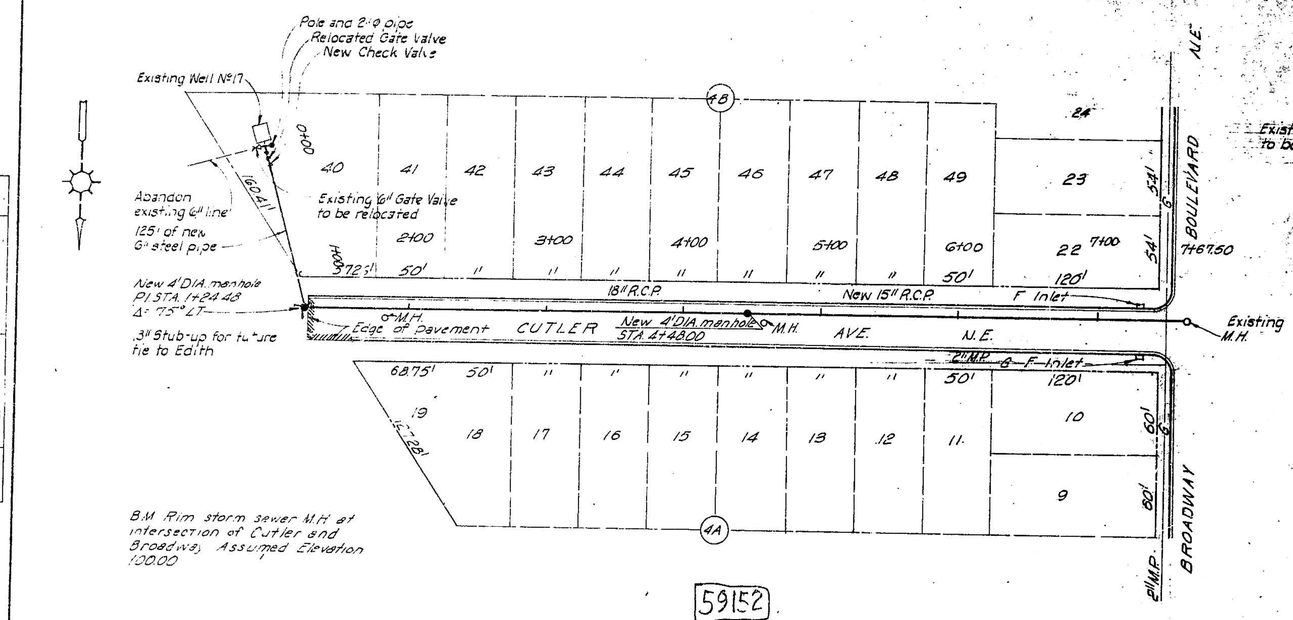


PLATE 1—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

SHT 17

FRANCISCAN ACRES ADDITION



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FRANCISCAN ACRES ADDITION

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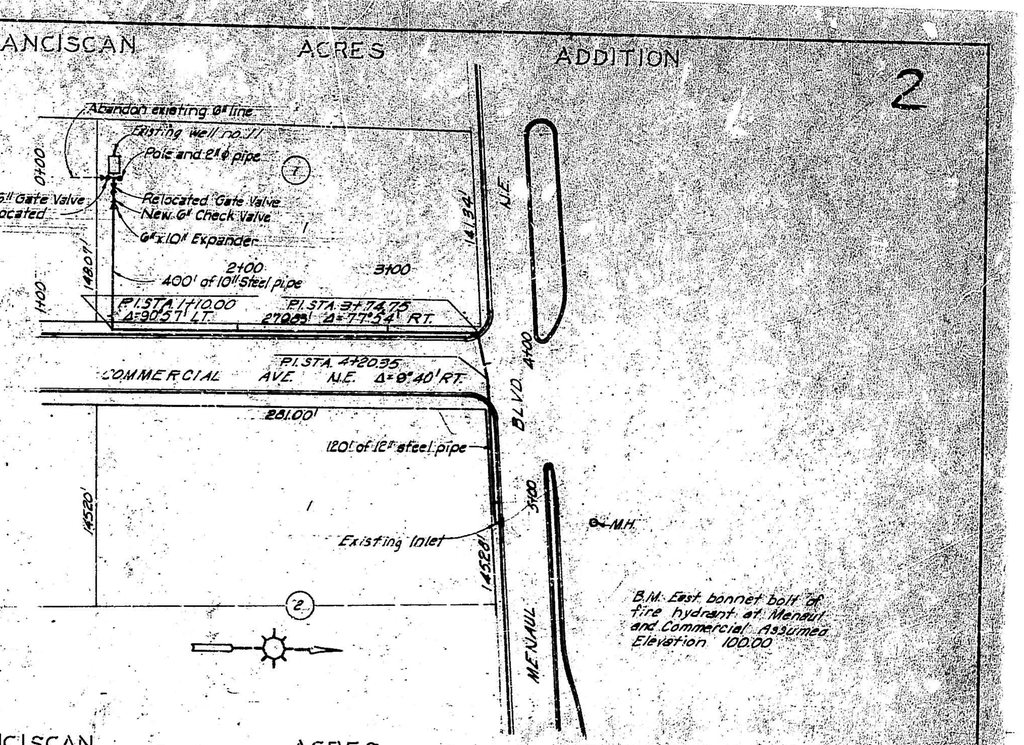

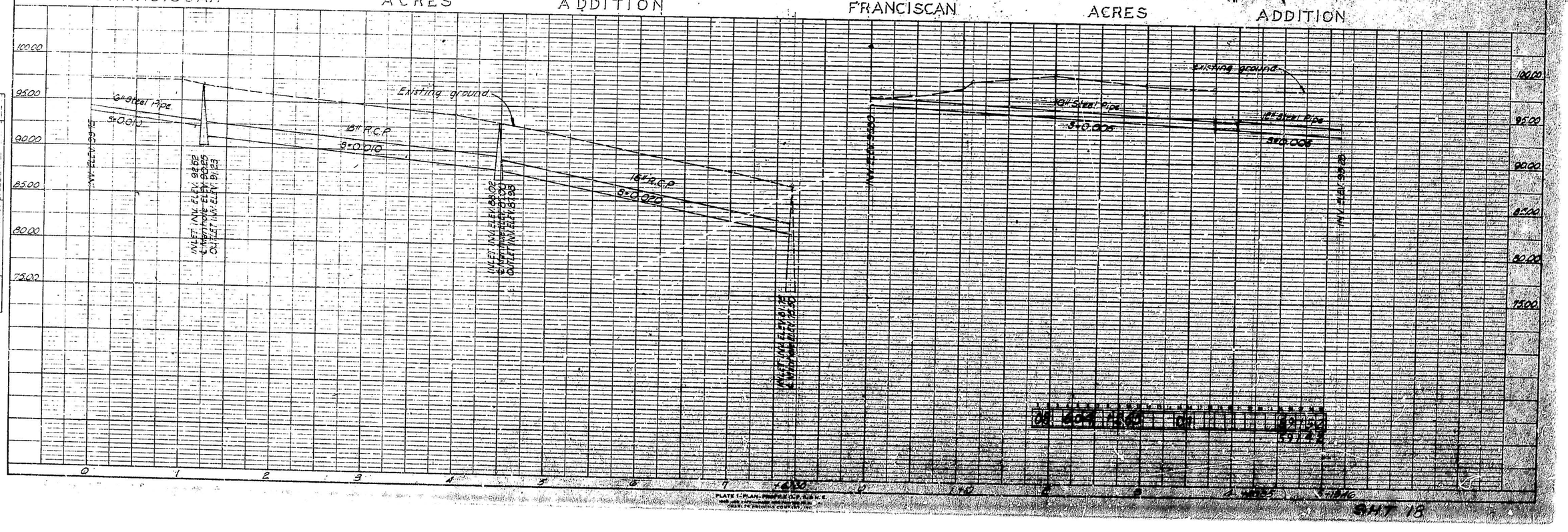

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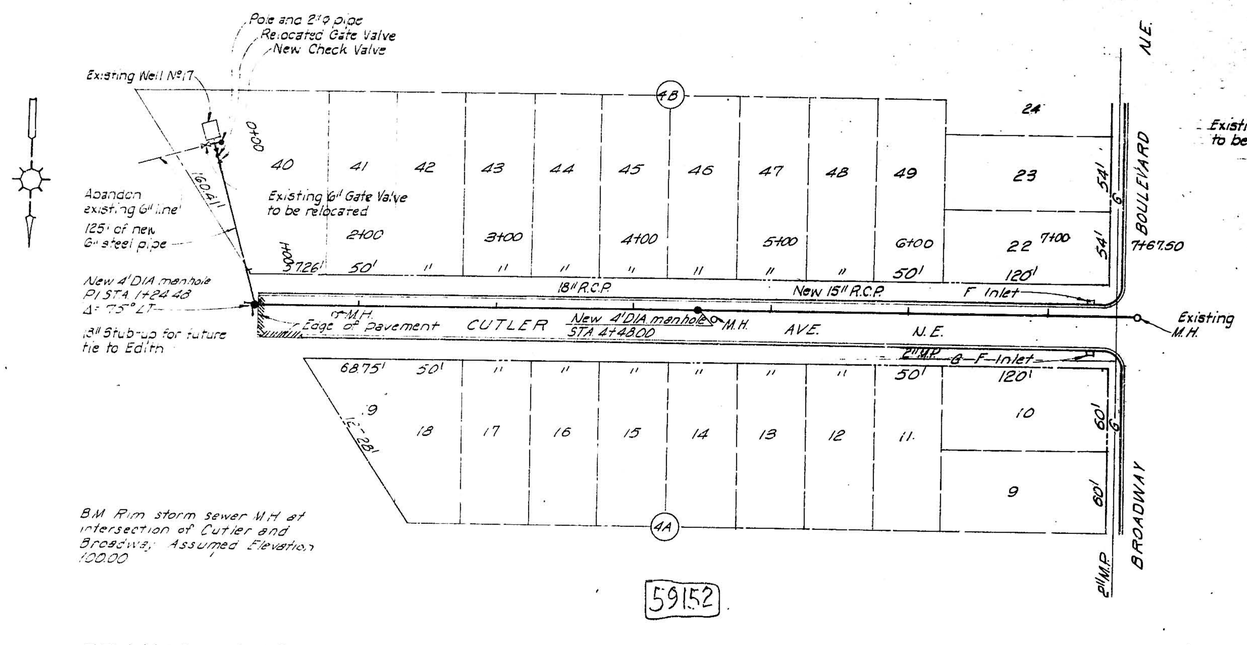

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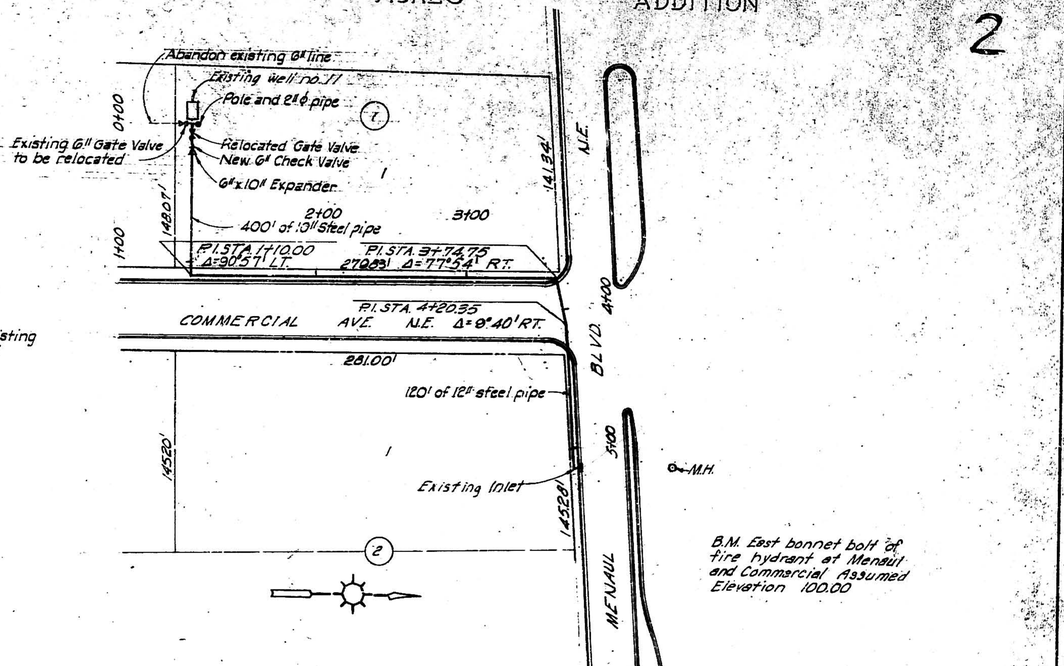


PLAN

PROFILE

FRANCISCAN ACRES ADDITION

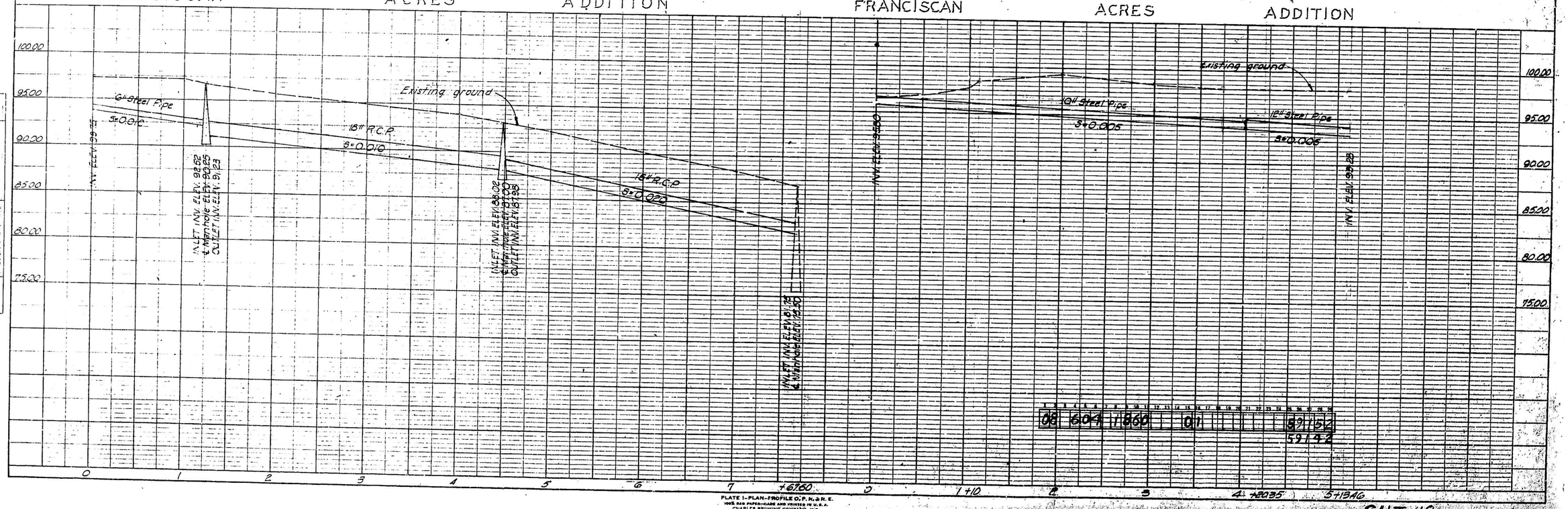
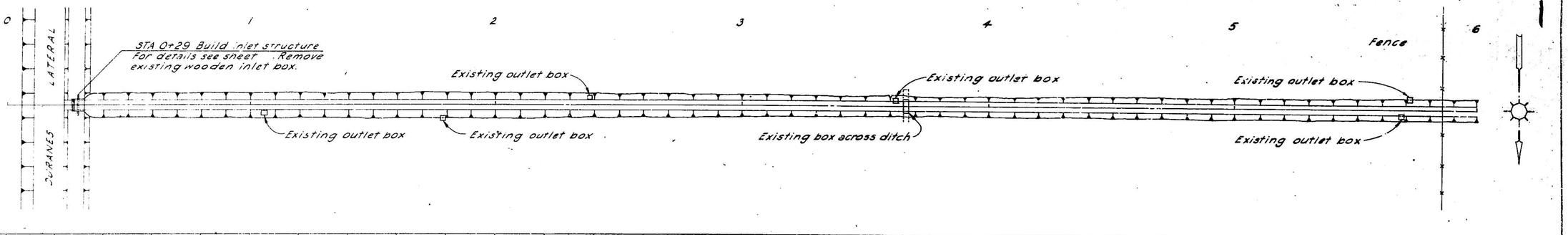
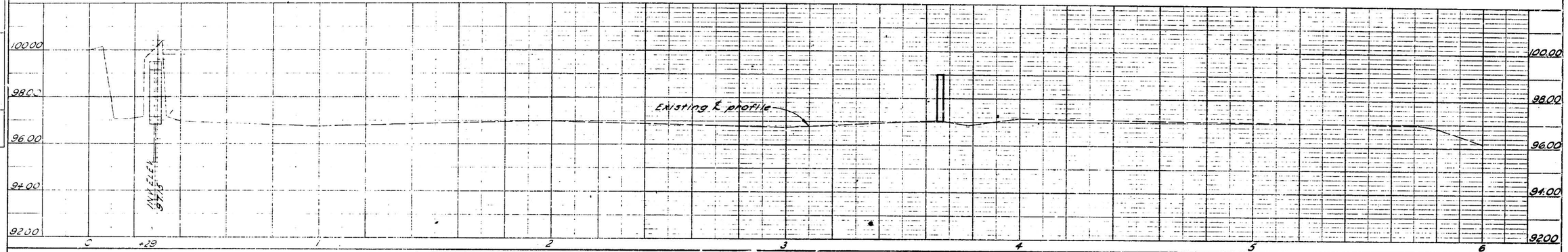
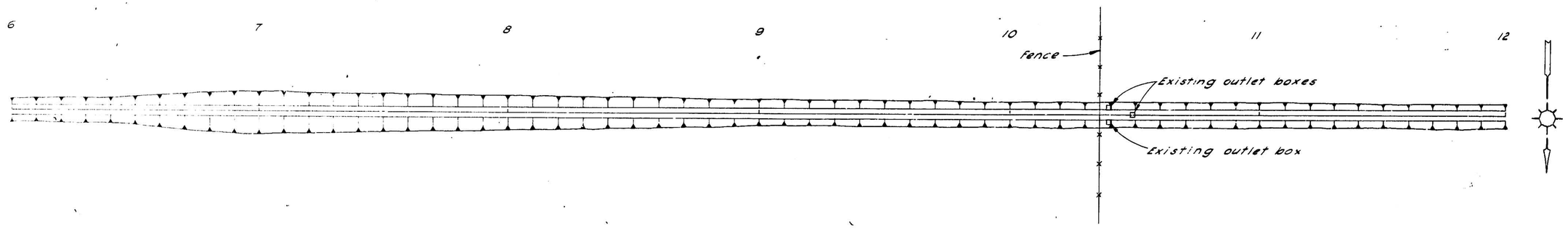


PLATE I—PLAN—PROFILE O. F. N. A. R. E.
1005 BAR PAPER—CARE AND VERNES IN U.S.A.
CHARLES BRUNING COMPANY, INC.

SHT 18







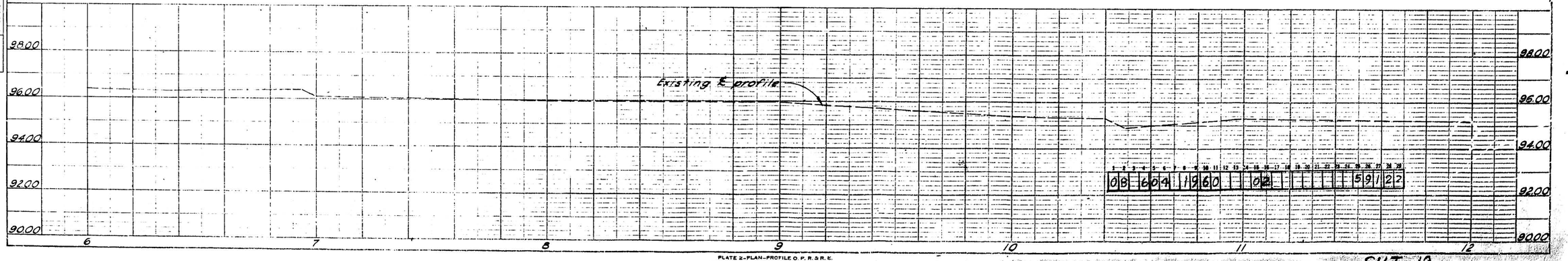
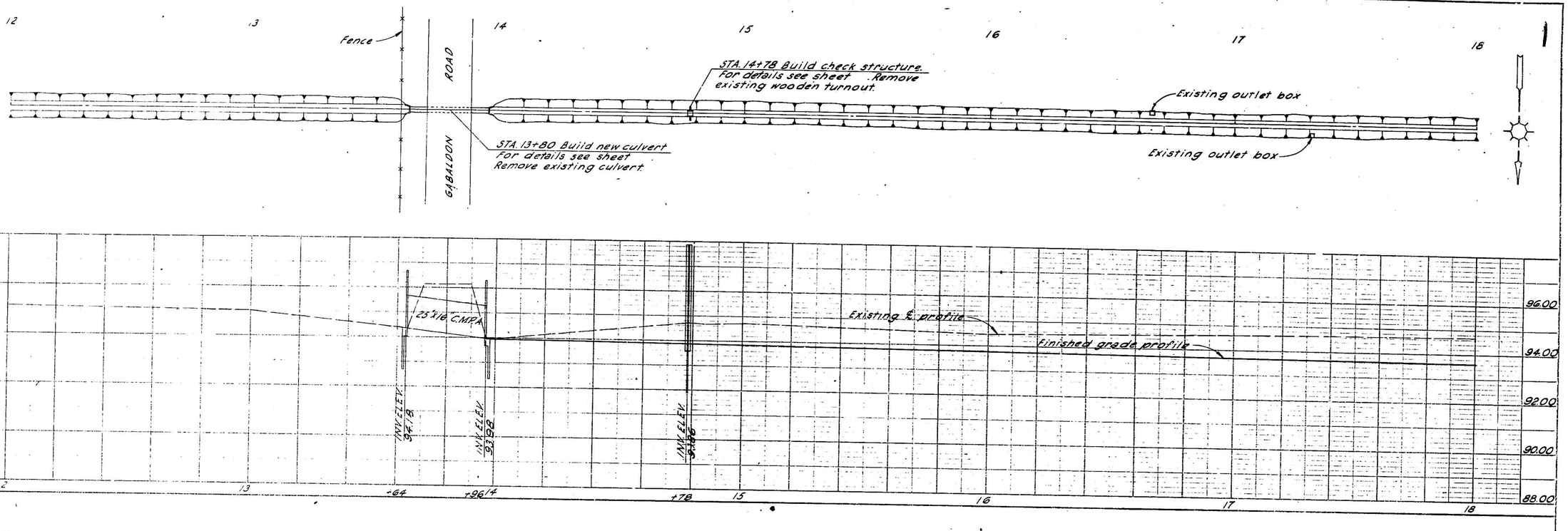


PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG TRANSPARENTIZED TRACING PAPER—MADE IN U. S. A.
CHARLES BRUNING COMPANY, INC.

SHT 19

PLAN

PROFILE



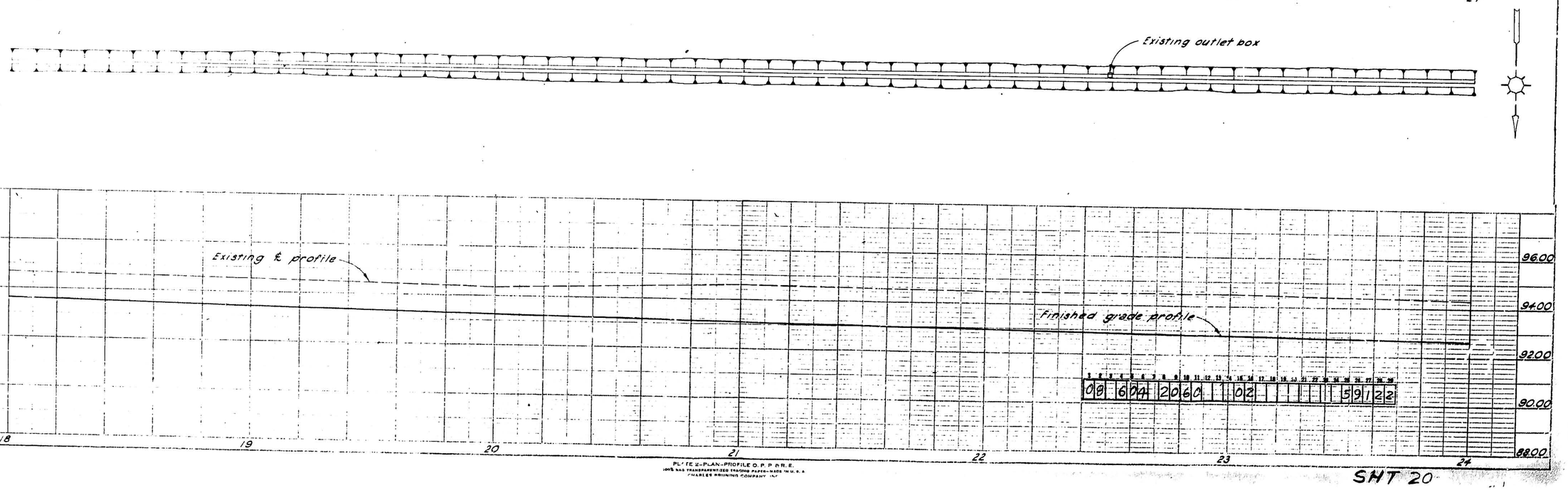
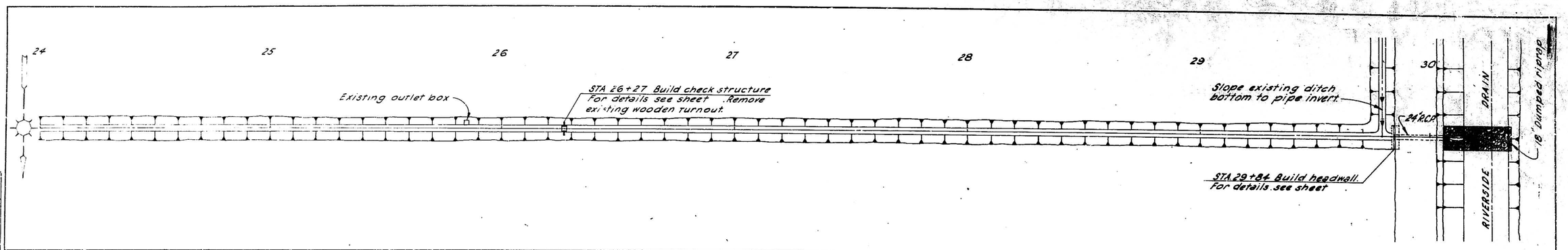
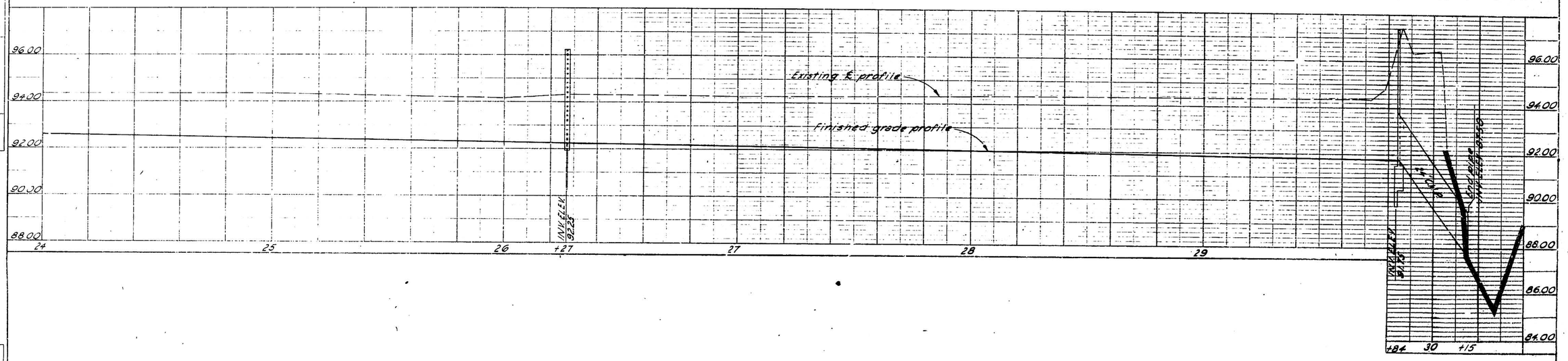


PLATE 2—PLAN-PROFILE O. P. P. R. R.
100% RAG TRANSPARENTIZED TRACING PAPER—MADE IN U. S. A.
CHARLES BRUNING COMPANY, INC.

SHT 20





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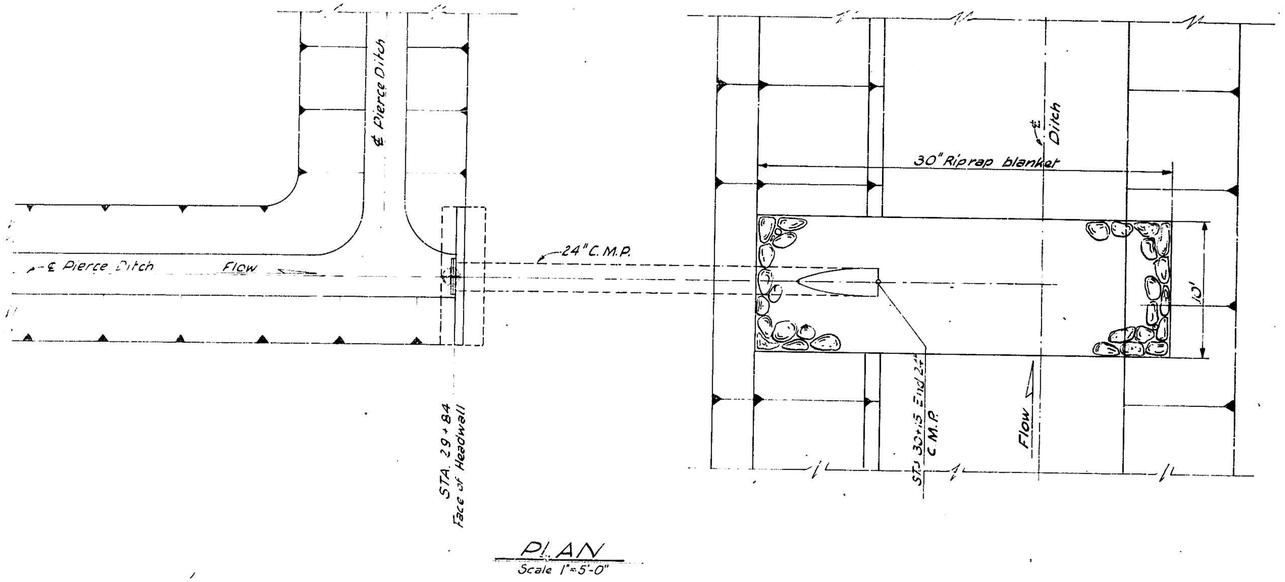
00 6 04 2 1 6 0 0 2 5 9 1 2 2

PLAN

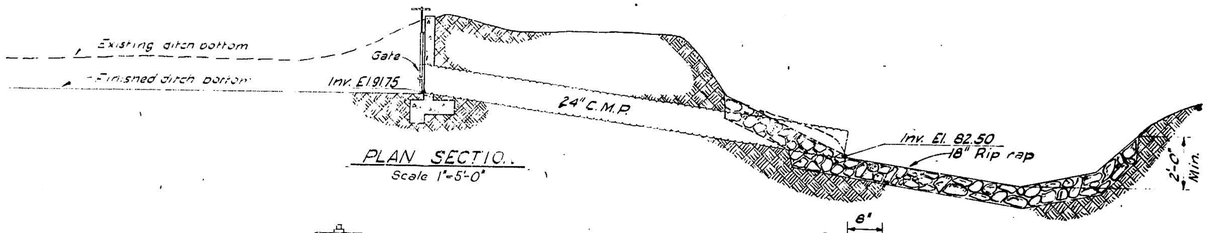
PROFILE

PLATE 2-PLAN-PROFILE O. P. R. & R. E.
100% RAG TRANSPARENTIZED TRACING PAPER—MADE IN U. S. A.
CHARLES BRUNING COMPANY, INC

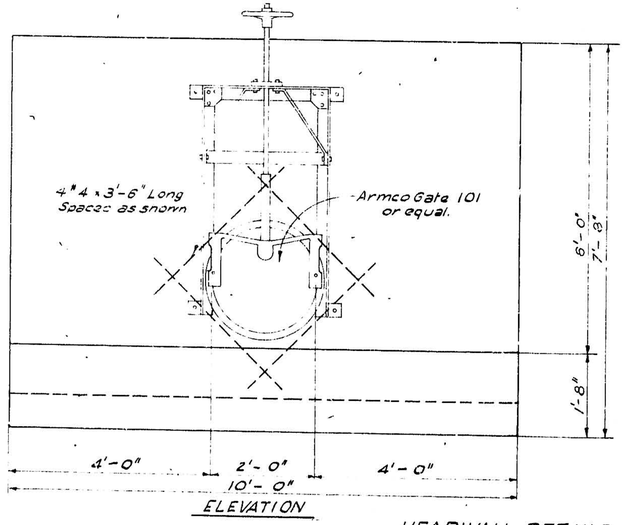
SHT 21



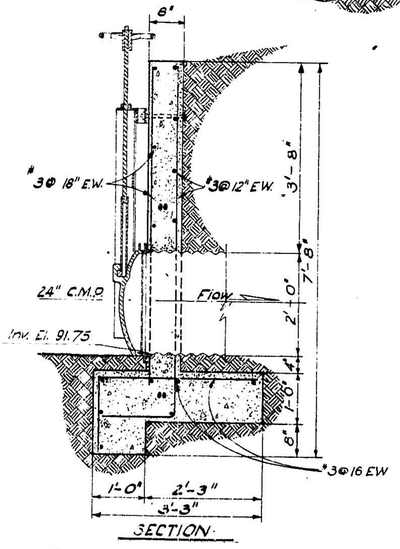
PLAN
Scale 1"=5'-0"



PLAN SECTION
Scale 1"=5'-0"



ELEVATION

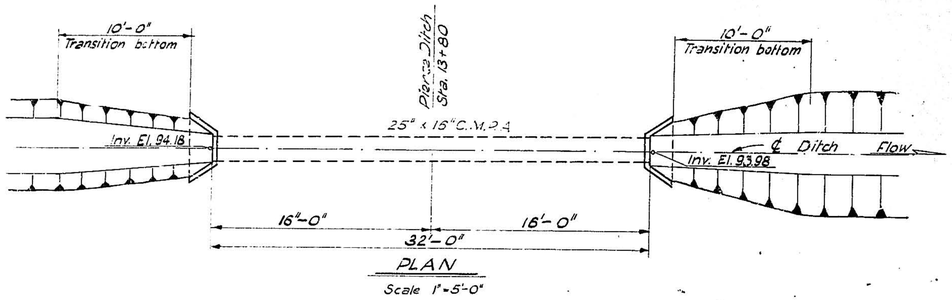


SECTION

HEADWALL DETAILS
Scale 1/2"=1'-0"

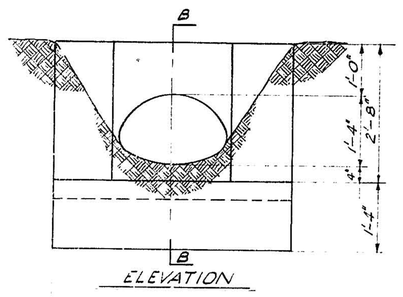
08 | 6 | 04 | 2 | 2 | 6 | 0 | | | 1 | 0

ALBUQUERQUE- NEW MEXICO	
DALLAS ST., PENN. ST. INTERCEPTOR STORM SEWER	
PIERCE DITCH OUTLET STRUCTURE	
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS ALBUQUERQUE NEW MEXICO	
SCALE: AS SHOWN	DATE: MAY 1959
DRAWN: A.O.H. CHECKED: G.A.J.	SHEET 22 OF



PLAN

Scale 1"=5'-0"



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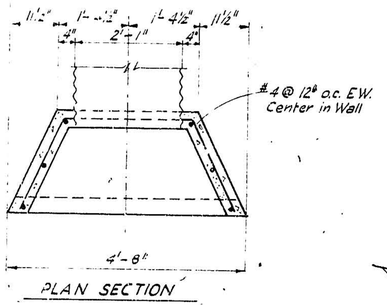
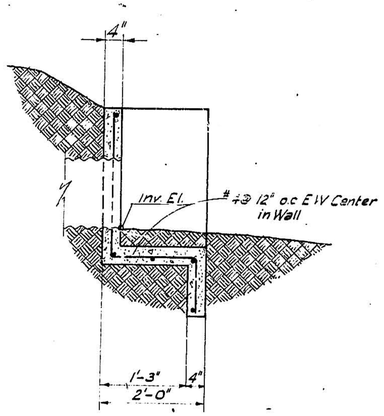


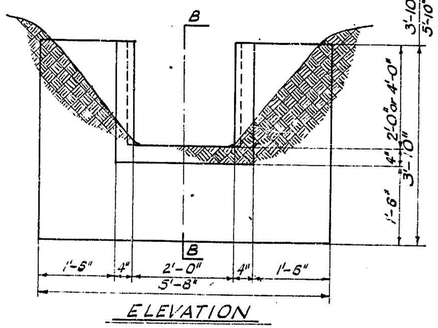
PLAN SECTION



SECTION B-B

DETAILS OF 25" x 16" C.M.P.A. CULVERT

Scale 1"=5' and 3/4"=1'-0"



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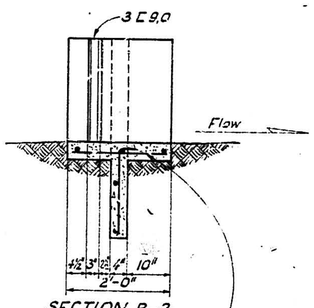
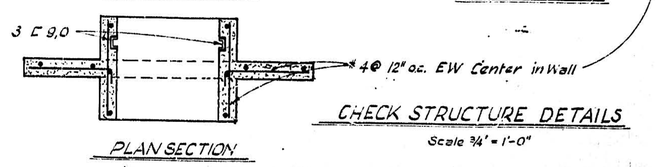


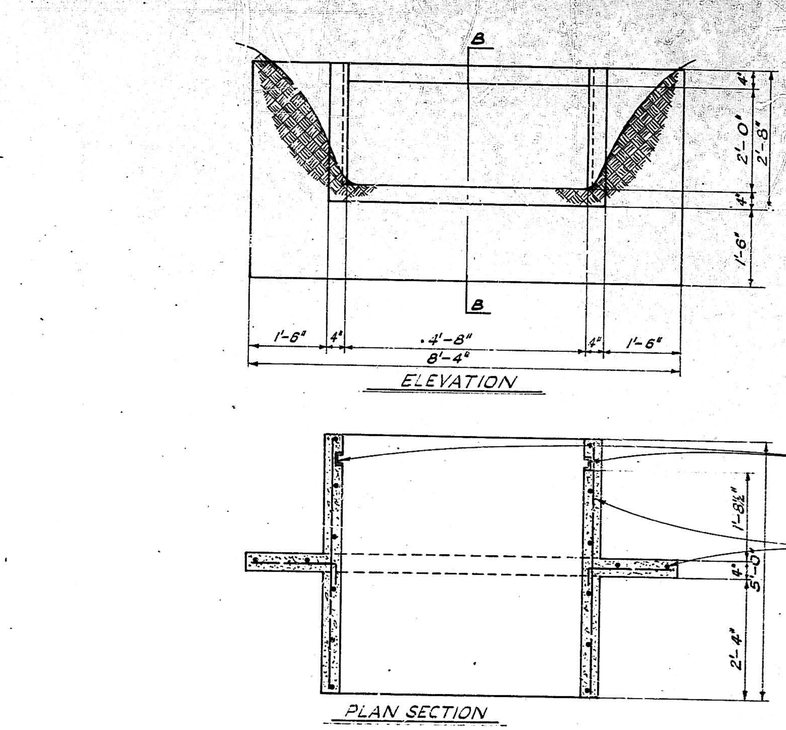
SECTION B-B



PLAN SECTION

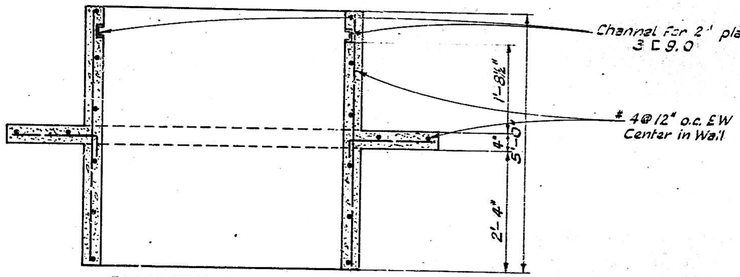
CHECK STRUCTURE DETAILS

Scale 3/4"=1'-0"



ELEVATION

SECTION B-B



PLAN SECTION

INLET STRUCTURE DETAILS

Scale 3/4"=1'-0"

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

0 8 | 6 0 4 | 2 3 6 0 | | | 1 0 | | | | | | | | | | | | | | | | | | | | | | | | |

ALBUQUERQUE - NEW MEXICO

DALLAS ST., PENN. ST. INTERCEPTOR STORM SEWER

PIERCE DITCH

CULVERT, INLET AND CHECK STRUCTURE DETAILS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: A.O.H.	SHEET 28
AS SHOWN	MAY 1959	CHECKED: G.A.J.	OF