ALBUQUERQUE — NEW MEXICO

SOUTH SIDE SEWAGE TREATMENT PLANT

OUTFALL SEWER

INDEX TO DRAWINGS

SHEET	TITLE	SHEET	TITLE
1	TITLE AND INDEX	11	STA. 225+00 TO STA. 243+26
2	LOCATION & VICINITY MAP	12	RAILROAD AND HIGHWAY CROSSINGS
3	STA. 0+00 TO STA. 30+00	13	MANHOLES-PLANS AND SECTIONS
4	STA. 30+00 TO STA. 58+00	14	MANHOLES-LAYOUTS AND DETAILS
5	STA. 58+00 TO STA. 87+00	15	DISTRIBUTION BOX
6	STA. 87+00 TO STA. 106+42	16	CHLORINATOR STATION-MANUEL AND JOHN
7	STA. 105+65 TO STA. 135+00	17	CHLORINE CYLINDER HANDLING STRUCTURE
8	STA. 135+00 TO STA. 165+00	18	NON-CLIMBABLE FENCE
9	STA. 165+00 TO STA. 195+00	19	BARR CANAL SIPHON
10	STA 195+00 TO STA. 225+00		

CITY OF ALBUQUERQUE

APPROVED [illegible] DATE 2-11-1960
DIRECTOR PUBLIC WORKS

William Turney

1 2 3 4 5 6 7 8 9 10 11 12
07 030 0169

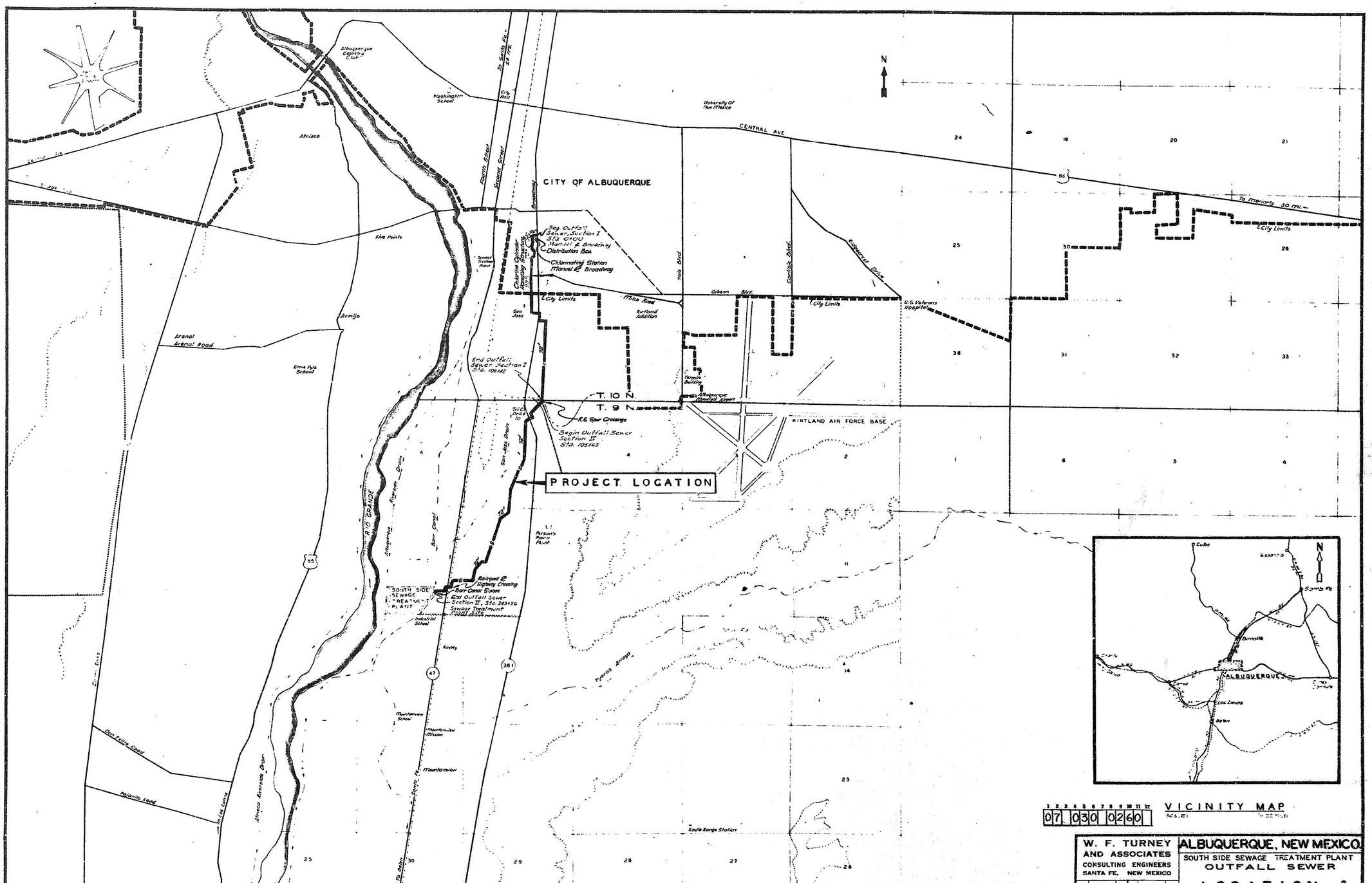
W. F. TURNEY
AND ASSOCIATES
CONSULTING ENGINEERS
SANTA FE NEW MEXICO

AS CONSTRUCTED

PROJECT NO. 59-20

SHEET 1 OF 19

Kodak



W. F. TURNEY AND ASSOCIATES CONSULTING ENGINEERS SANTA FE, NEW MEXICO	ALBUQUERQUE, NEW MEXICO SOUTH SIDE SEWAGE TREATMENT PLANT OUTFALL SEWER LOCATION & VICINITY MAP
BY / REVISION / DATE	
O.A.E. DESIGNATES AS APPROVED FINAL	DRAWN: CHECKED: JFM
PROJECT No. 59-20	SCALE:
DATE: MARCH 60	SHEET 2 OF 19

07 030 0260

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CITY OF ALBUQUERQUE

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City Clerk Recorder

OFFICIAL SEAL
CONNY M. SENA
NOTARY PUBLIC - NEW MEXICO
My Bond Filed with Secretary of S
My Commission Expires 9/26/89

TRUMBULL AVE. STORM SEWER

PLAN
SCALE: 1"=100'

PROFILE
SCALE: 1"=10' V.

PLOT PLAN
MANUEL AVENUE
SCALE: 1" = 30 Ft.

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SEWER VELOCITIES & CAPACITIES

Depth Of Flow in Feet	54" Pipe S=0.0005 Ft. Velocity Ft. Per Sec.	54" Pipe S=0.0005 Ft. Capacity M.G.D.	Depth Of Flow in Feet	72" Pipe S=0.0005 Ft. Velocity Ft. Per Sec.	72" Pipe S=0.0005 Ft. Capacity M.G.D.
0.90	1.5	3.7	1.2	1.9	6.2
1.80	2.5	9.5	2.4	3.0	21.0
2.70	3.1	19.4	3.6	3.8	43.0
3.60	3.2	28.8	4.8	3.9	63.0
4.24	3.1	31.4	5.52	3.8	69.0
4.50	2.8	28.8	6.0	3.4	63.0

n = 0.013

Depth Of Flow in Feet	72" Pipe S=0.0004 Ft. Velocity Ft. Per Sec.	72" Pipe S=0.0004 Ft. Capacity M.G.D.
1.2	1.7	7.3
2.4	2.7	19.5
3.6	3.2	35.1
4.8	3.5	56.0
5.65	3.4	61.0
6.0	3.0	56.0

PROJECT No.	59-20	ALBUQUERQUE, NEW MEXICO
DATE:	Dec. 1960	OUTFALL SEWER STA. 0+00 TO STA. 30+00
		W. F. TURNEY & ASSOCIATES — CONSULTING ENGINEERS — SANTA FE, N. MEX.
SCALE:	H. 1"=100 FT. V. 1"=10 FT.	SHEET OF 9

AS CONSTRUCTED

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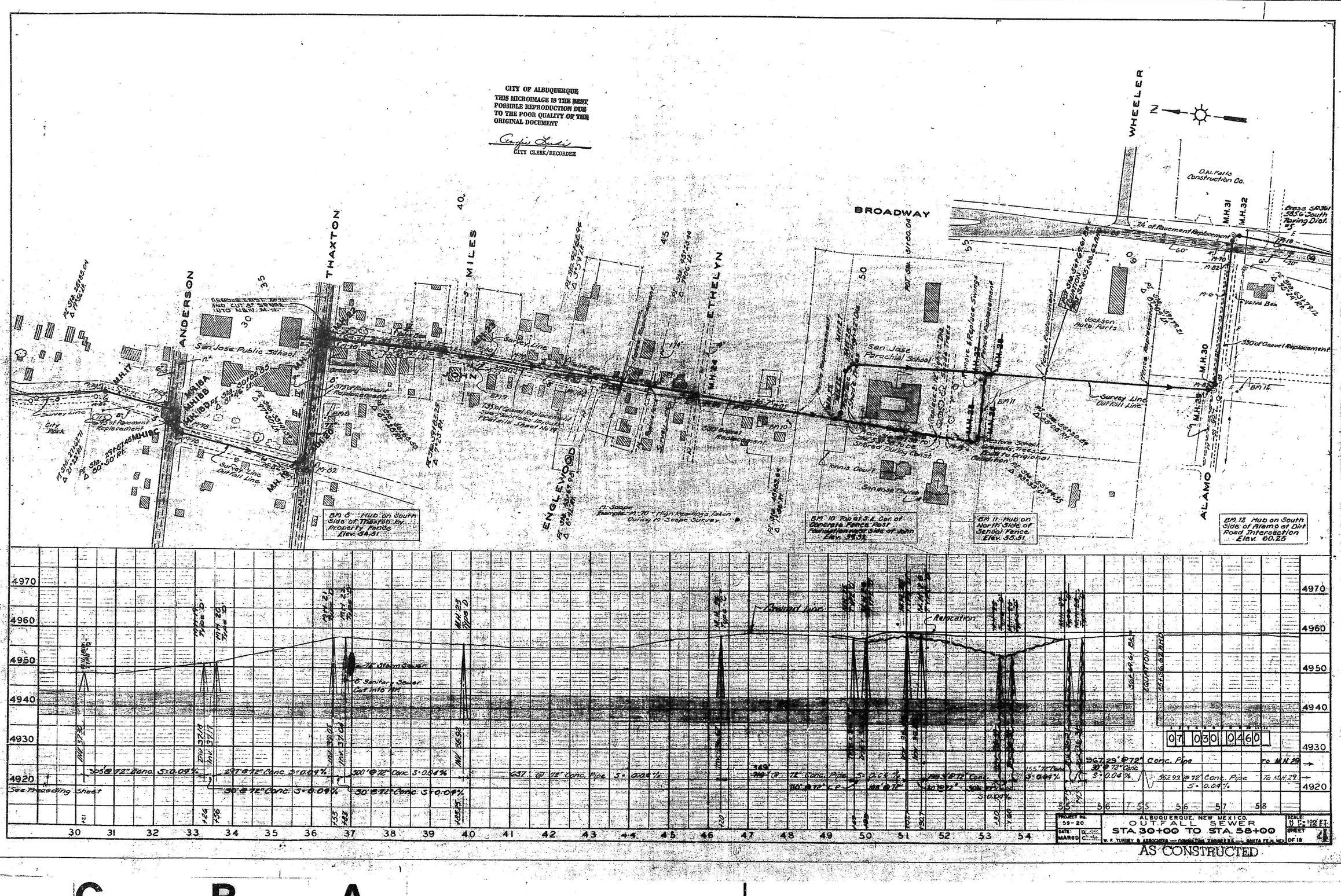
Carolyn Gudis
CITY CLERK/RECORDER



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WHEELER

Dirt Road

Note: Out Fall Line Subject to Const. Re-Location between MH 35 to MH 39

D.W. Falls Construction Co.

ALAMO

M.H.31 M.H.32

Survey Line

Pt. Δ 3°26' Rt. Radius = 6750'

Pt. Sta. 67+06.50 dk. = Sta. 66+71.65 Mod.

Pt. Δ 9°13' 48" Lt.

M.H. 35 M.H. 35 A

M.H. 36B

BM 14

Survey Line

25'

Survey Line

76 x 30 dry

72 x 52

78.145

Pt. Sta. 83+20.04 Δ 74°38'12"

Radio Tower

M.H. 37

BM 17 82138

ARNO

Dirt Road

N

Line to be Constructed with Rubber Gasket Joints for Minimum of 300' from Well

San Jose Well No. 3

M.H. 38 M.H. 39A

Pt. Sta. 82+24.05 Δ 22°56'24"

BM 167

Line 100' or more clear from Well

M.H. 39C

M.H. 39D

Pt. Sta. 92+20.00 Δ 24°03'22"

Jackson Auto Parts

Fence Replacement

Fence Replacement

Pt. Sta. 69+79.21 Δ 31°00'41" Rt.

Pt. Sta. 67+06.50 Δ 31°04'

20'

Service Station

Gasoline Tank

Vent Pipe

Sta. 67+06.50

Survey Line Out Fall Line

BM 12

M.H. 30

M.H. 29

BROADWAY

Pt. Sta. 67+06.50 dk. = Sta. 66+71.65 Mod.

Pt. Sta. 69+79.21 Δ 31°04'

Pt. Sta. 76+30.65 Δ 31°49' Rt.

Pt. Sta. 82+24.05 Δ 32°33' Rt.

M.H. 33 M.H. 34

BM 13

Survey Line

Survey Line

Fence Replacement

Water Service 3/4" at Gravel Replacement

Pt. Sta. 69+79.21 Δ 31°04' Rt.

Pt. Sta. 76+30.65 Δ 31°49' Rt.

Pt. Sta. 82+24.05 Δ 32°33' Rt.

Pt. Sta. 92+20.00 Δ 24°03'22"

W E S M E C O

N Scale Example M 33 High Reading Mean Setting N Scale Survey

M.H. 39B

Line 100' or more clear from Well

San Jose Well No 4

BM 12 Hub on South Side of Alamo at Dirt Road Intersection Elev. 60.26

BM 13 Hub 30' East of Broadway Elev. 58.14

BM 14 Hub 30' East of Cold Mill Sta. 83+00 Elev. 52.26

BM 15 Hub 30' Left of Sta. 92+00 Elev. 49.61

BM 16 Hub 130' Left Sta. 91+20 Elev. 56.72

4970 4960 4950 4940 4930 4920

M.H. 29 Type D 30" M.H. 30 Type D

M.H. 31 Type D

M.H. 32 Type D

60° Horiz. Bend

Overburden taken March 9, 1961

Ground Line

Overburden taken March 9, 1961

M.H. 33 Type D

M.H. 36 A Type D

M.H. 36 B Type D

M.H. 38 Type D

M.H. 39 A Type D

Overburden taken out

Ground Line

Inv. 36.05 Inv. 36.08 Inv. 35.74 Inv. 35.94 Inv. 35.78 Inv. 35.55 Inv. 35.28 Inv. 34.91 Inv. 34.84

55299 @ 72" Conc. S=0.04% To MH 28

295' @ 72" Conc. S=0.04%

208' @ 72" Conc. S=0.04%

540' @ 72" Conc. Pipe

55' @ 72" Conc. Pipe S=0.04%

67+06.50 Sta. of Sewer Line

S=0.04%

346' @ 72" Conc. S=0.05%

379' @ 72" Conc. Pipe S=0.05%

8' @ 72" Conc. Pipe S=0.04%

58' @ 72" Conc. Pipe S=0.05%

639' @ 72" Conc. S=0.05%

279' @ 72" Conc. S=0.05%

18" @ 72" Conc. S=0.05%

33" C.M.P. Pipe

33" C.M.P. Pipe

33" C.M.P. Pipe

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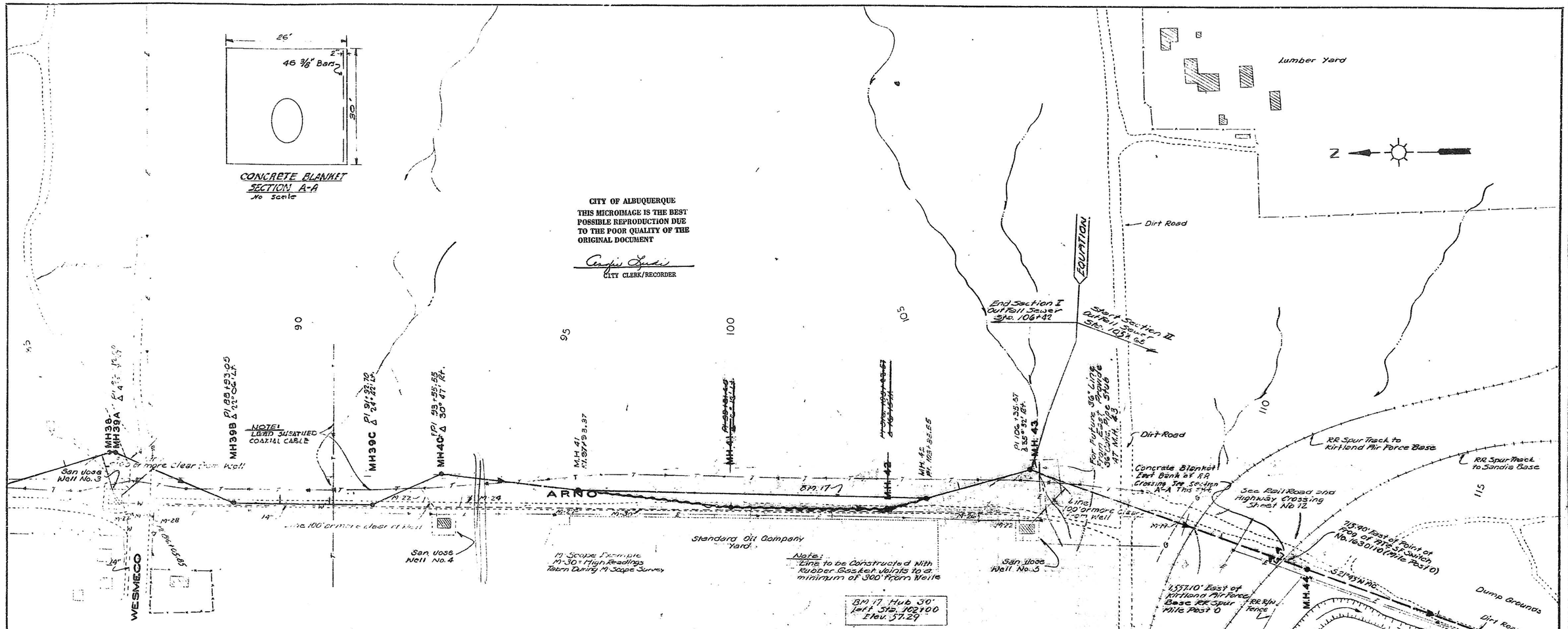
CONCRETE BLANKET
SECTION A-A
No scale



PROJECT No. 59-20
DATE MAR 60
ALBUQUERQUE, NEW MEXICO
OUTFALL SEWER
STA 87+00 TO STA. 106+42
SCALE 1" = 100 FT
SHEET 6 OF 19
A. T. TURNEY & ASSOCIATES — CONSULTING ENGINEERS — ALBUQUERQUE, N. MEX.

AS CONSTRUCTED

CITY OF ALBUQUERQUE
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Lumber Yard

RR Spur Track to Kirtland Air Force Base

Dirt Road

Rebuild Fence

Fill to Top Ditch Berm

Compact Base to 90% Mod. Proctor

4" Gravel

Ground Line

72" Conc. Pipe

CROSS-SECTION A-A'

Scale 1"=10'

Start Section B Outfall Sewer Sta. 103+65

Conoco Gasoline 5" Above Outfall Invert

See Rail Road and Highway Crossing Sheet No 12

Shamrock Gasoline 7½" Above Outfall Invert

715.40' East of Point of Frog of RR Switch No. 1 of 30110 (Mile Post 0)

Standard Gasoline 5" Above Outfall Invert. Will be Moved to 9" Above Outfall Invert

RR Spur Track to Sandia Base

Dump Grounds

For Future 36" Line From East Provide 36" Conc. Pipe Stub

Dirt Road

BM 20

Guy Line

ARNO ROAD

M.H. 42

M.H. 43

M.H. 44

M.H. 41

Standard Oil Company yard

San Jose Well No. 5

1557.10' East of Kirtland Air Force Base RR Spur Mile Post 0

RR R/W Fence

Rebuild 700' Fence

Dirt Road

380' of Gravel Replacement See Manholes Layouts & Details Sheet No. 19

M-Scope Example M-19 = High Readings Taken From M-Scope Survey

San Jose Lateral

Note: From MH 43 to Sta. 109+50 to be Constructed With Rubber Gasket Joints

BM 20 South of North RR Spur at Dirt Road Crossing Elev. 63.57

Cross SR 361 71.40' South R/W Marker 312126 at Sta. 511+59.60

Pt. 96° 12'15.62" Δ 42° 01' Lt.

Pt. 96° 12'56.05" Δ 26° 26' Lt.

S.R. 361

R/W Fence

Gibson Trucking Co. 24' of Gravel Replacement

R/W Fence

M.H. 47

M.H. 48

M.H. 49

M.H. 50

BM 21

Survey Line Out Fall Line

Tip Potato Chip Factory

R/W Fence

Pt. Sta. 137+07.63 Δ 2°31' Lt.

Fence Replacement

BM 22

M.H. 51

San Jose Lateral

BM 21 Hub East of Highway in ℄ of Ditch Elev. 44.77

BM 22 Hub 25' Right of Sta. 136+00 Elev. 46.12

4970
4960
4950
4940
4930
4920

M.H. 43 Rim 70.

Start Section A Outfall Sewer Sta. 105+65

Manhole

C.M.P.

Overburden taken out

Ground Line

M.H. 44 Type D

Old Standard Pipe Line, Mk. 3124

From Sta. 111+70 to Sta. 122+80 Cover Pipe as Shown on Cross-Section A-A' Above

M.H. 45

M.H. 46 Type D

M.H. 47 Type D

M.H. 48 Type D

M.H. 49 Type D

M.H. 50 Type D

Ground Line

≤ 320' @ 72" Conc. S=0.05%

315' @ 72" CMC S=0.50%

600' Of Pipe With Rubber Gasket Joints

1001.9' 996' @ 72" Conc. S=0.05%

15.9' 14' @ 72" Conc. Pipe S=0.05%

306.5' 305' @ 72" Conc. S=0.05%

150.7' 149.2' @ 72" Conc. S=0.05%

941' @ 72" Conc. Pipe S=0.05%

22' @ 72" Conc. Pipe S=0.05%

105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135

07 03 0 07 60

PROJECT No. 59-20	ALBUQUERQUE, NEW MEXICO	SCALE: H. 1"=100 FT. V. 1"=10 FT.
DATE: MARCH 1960	OUTFALL SEWER STA. 105+65 TO STA. 135+00	SHEET 7 OF 19
	W. F. TURNEY & ASSOCIATES — CONSULTING ENGINEERS — ALBUQUERQUE, NEW MEXICO	

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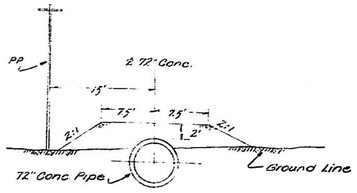

CROSS-SECTION A-A'
Scale 1" = 10'

RR Spur Track to Sandia Base

Z

RR Spur Track to Sandia Base

Z OR 361 R/W Fence

Lip Potato Chip Factory

135 140 145 150 155 160 165

Pt Sta. 137+02.63 ∆ 2°51'27"

OR 361 R/W Fence

M.H. 52

BM 23 Fence Replacement

Pt Sta. 153+05.05

Pt Sta. 157+41.67 ∆ 16°51'42"

Pt Sta. 165+31.05 ∆ 2°30'12"

Fence Replacement

Survey Line Out Fall Line

M.H. 51

Fence Replacement

Fence Replacement

Dirt Road

Trash Pile

M.H. 53

M.H. 54

Pipe Offset 5' East of Survey Line

BM 24

10' Graded Road Replacement

Survey Line Out Fall Line

BM 25

BM 22

Property Fence

Pt Sta. 145+00.50 ∆ 25°24'48"

San Jose Lateral

Pt Sta. 160+40.20 ∆ 3°03'41"

BM 22 Hub 25' Right
Sta. 136+00
Elev. 46.12

BM 23 Hub 30' Left
Sta. 145+15
Elev. 37.15

BM 24 Hub 25' Right
Sta. 158+00
Elev. 44.59

BM 25 Hub 30' Right
Sta. 165+00
Elev. 45.18

4960
4950
4940
4930
4920
4910

M.H. 51 Type 'D'

Inv. 35.26

107.43

M.H. 52 Type 'D'

From Sta. 1921+50 to Sta. 1987+50 Cover Pipe as Shown in Cross Section Above

Ground Line

Inv. 31.86

100.50

M.H. 53 Type 'D'

Inv. 31.26

121.05

Overburden taken out

M.H. 54 Type 'D'

Inv. 32.86

See Preceding Sheet

793 @ 72" Conc. Pipe S= 0.05 %

1220.48
+214' @ 72" Conc. Pipe S= 0.05 %

800.52
~~516'~~ @ 72" Conc. Pipe S=0.05 %

135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165

1 2 3 4 5 6 7 8 9 10 11 12
07 030 0860

PROJECT No. 59-20
DATE: MAR 60
DRAWN
CHECKED

ALBUQUERQUE, NEW MEXICO.
OUTFALL SEWER
STA. 135+00 TO STA. 165+00

W. F. TURNEY & ASSOCIATES — CONSULTING ENGINEERS — SANTA FE, N.M.

SCALE: H. 1" = 100 FT. V. 1" = 10 FT.
SHEET 8 OF 19

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Schwarteman Packing Co.
Property Owner 207.67 Ac. Tr. 26.

SR 361 R/W Fence

POT Sta. 169+98.60

Trail Road

Survey ℄

R/W

M.H. 59
M.H. 60

Sta. 182+51.90 Outfall Line =
Sta. 191+02.0 Survey ℄
N.M.P.S-1348(2)

POT 187+42.50

Pt. Sta. 183+92.50
75°-13' Rt.

Pt. Sta. 188+12.40
73°-03' Lt.

Pt. Sta. 179+27.40
66°-35' Lt.

Pt. Sta. 169+91.05
2°-20' Rt.

From MH 53 to Sta. 170+00
Restore Reservoir
Bank & Trail Road

M.H. 54

M.H. 55
M.H. 56

M.H. 57
M.H. 58

BM 25

BM 26

BM 27

BM 28

Survey Centerline
Outfall Line

100' Under Other Contract 100'

Schwarteman Packing Co.
Property Owner 78.20 Ac. Tr. 26

Pt. Sta. 171+10.45
70° Rt.

Schwarteman Packing Co.
Property Owner Tr. 26.

San Jose Lateral

Corral

Survey Line
Out Fall Line

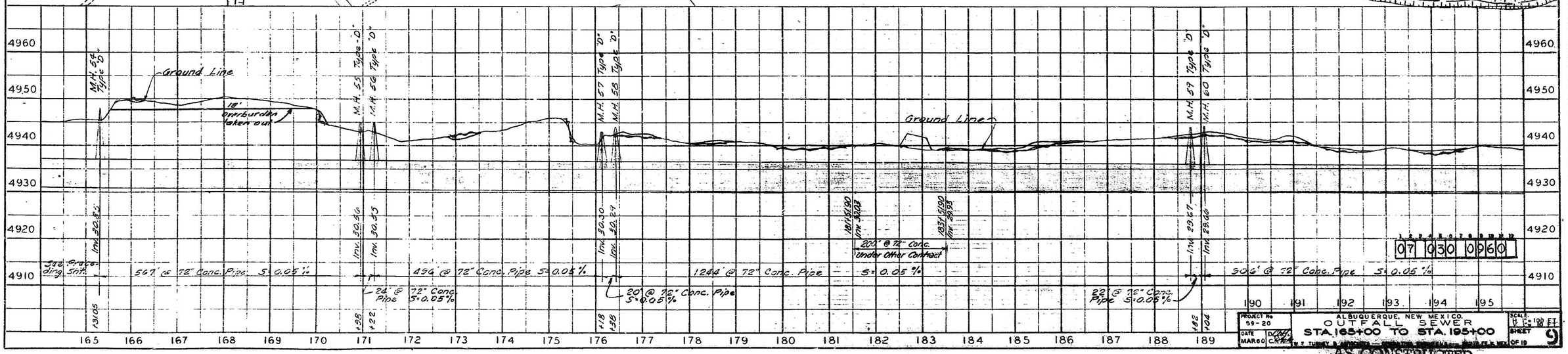
Trail Road

BM 25 Hub 30' Right
Sta. 165+00
Elev. 45.18

BM 26 Hub 30' Right
Sta. 175+00
Elev. 44.15

BM 27 Hub 30' Right
Sta. 185+00
Elev. 38.92

BM 28 Hub 30' Right
Sta. 195+00
Elev. 39.05



PROJECT No 59-20
DATE MAR 60
DRAWN
CHECKED

ALBUQUERQUE, NEW MEXICO
OUTFALL SEWER
STA. 165+00 TO STA. 195+00

SCALE 1" = 100' H
1" = 10' V
SHEET 9 OF 19

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GRAPE

PRINCE

M.H. 64
M.H. 65

For Future 48" Line From Southeast Provide 48" Conc. Pipe Stub to MH 69

BM 30

Mountain View Addition

Mountain View Addition

Dirt Road

Fence Replacement

Schwartzman Packing Co.
Property Owner 207.67 Ac. Tr 2a.

Mountain View Addition

U.F. Branson 23.70 Ac.
Property Owner Tr 2a.

Cross AT&SF RR Main Line 984' North M.P. 907

M.H. 63

Fence Replacement

BM 29

BM 28

M.H. 61
M.H. 62

Survey Line
Cut Fall Line

Schwartzman Packing Co.
Property Owner 207.67 Ac. Tr 2a

M-Scope Example
M-62 = High Readings Taken From M-Scope Survey

Estanislado Gonzales
Property Owner Tr 2

See Rail Road & Highway Crossing Sheet No 12

Estanislado Gonzales
Property Owner 17.02 Ac. Tr 2

For Future 36" Line From East Provide 36" Conc. Pipe Stub to MH 68

M.H. 68
M.H. 69

M.H. 72
M.H. 73

M.H. 70
M.H. 71

Survey Line
Cut Fall Line

Fence Replacement

BM 31

M.H. 66
M.H. 67

AT&SF RR Main Line Track

AT&SF RR R/W Fence

Trail Road

For Future 36" Line From North Provide 36" Conc. Pipe Stub to MH 70

Happy Toy Tunnel

San Jose Lateral

San Jose Lateral

BM 28 30' Right
Sta. 195+00
Elev. 39.05

BM 29 25' Right
Sta. 206+35
Elev. 38.99

BM 30 Hub Lt. Sta.
205+10 at base of RR
Elev. 45.32

BM 31 Hub 35' Right
Sta. 226+70
Elev. 38.16

4960
4950
4940
4930
4920
4910

M.H. 61 Type "D"
M.H. 62 Type "D"
M.H. 63 Type "D"
M.H. 64 Type "D"
M.H. 65

Ground Line

Inv. 29.71
Inv. 29.10

Inv. 28.79

Inv. 28.32
Inv. 28.22

Overburden to be taken out

Ground Line

For Future 48" Line from East Provide 48" Conc. Pipe Stub to MH 64

Inv. 31.32

See Preceding Sheet

805' @ 72" Conc. Pipe S=0.05%

24' @ 72" Conc. Pipe S=0.05%

905' @ 72" Conc. Pipe S=0.05%

1200' @ 72" Conc. Pipe S=0.05%

30' @ 72" Conc. Pipe S=0.05%

195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225

07 030 1060

PROJECT No. 59-20	ALBUQUERQUE, NEW MEXICO. OUTFALL SEWER STA 195+00 TO STA 225+00	SCALE: H. 1"=100 FT. V. 1"=10 FT.
DATE: MAR 60	W. F. TURNEY & ASSOCIATES — CONSULTING ENGINEERS — SANTA FE, N. MEX.	SHEET 10 OF 19

AS CONSTRUCTED

Trail Road

MARY AVE

Lumber Yard

Barr Canal Property Line

South Side Sewage Treatment Plant Property Line

AT&SF RR R/W Fence

AT&SF RR Main Line

Southern Union Gas Line

Good Humor Gro.

U.E. Baldridge 23.76 Ac. Property Owner

See Rail Road and Highway Crossing Sheet No. 12

Cross AT&SF RR Main Line 789 North of M.P. 907

For Future 36" Line From East Provide 36" Conc. Pipe Stub to MH 66

For Future 36" Line From South Provide 36" Conc. Pipe Stub to MH 73

Pt Sta 239+31.55 Δ 90°20'00" Rt

Pt Sta 237+34.80 Δ 02°35'00" Rt

Pt Sta 233+69.26 Δ 90°00'00" Rt

Pt Sta 293+20.00 Δ 90°00'00" Rt

Build 1-66" 90° Siphon Conc. Outfall Sewer Sta. 243+26 to Sta. 239+31.55 See Detail For Details

Happy Toy Kennel

568' of Gravel Replacement

North St. R/W line

NORTH STREET

Remove Bridge

From Sta. 243+26 to Sta. 248+08.35 to be Constructed by Others

South Side Sewage Treatment Plant Site

Sta 248+02.35 End of Outfall Sewer Line

Inlet Works

Fence Replacement

Survey Line Out Fall Line

BM 31

Cross SR 47 1.83 Miles North of Bridge No.

For Future 36" Line From North Provide 36" Conc. Pipe Stub to MH 70

29' of Pavement Replacement See Manholes Layouts and Details Sheet No. 14

Pt Sta 233+69.26 Δ 90°00'00" Rt

End Outfall Sewer Section "L" Sta. 243+26

Pt Sta 246+86.31 Δ 28°35'00" Lt

Corral

Barr Canal

SR 47 R/W Fence

M-Scope Example M-82 = High Readings Taken From M-Scope Survey

BM 31 Hub 35' Right Sta. 226+70 Elev. 38.16

BM 32 Hub at base RR at NW Cor. North Ave. & SR 47 Elev. 37.45

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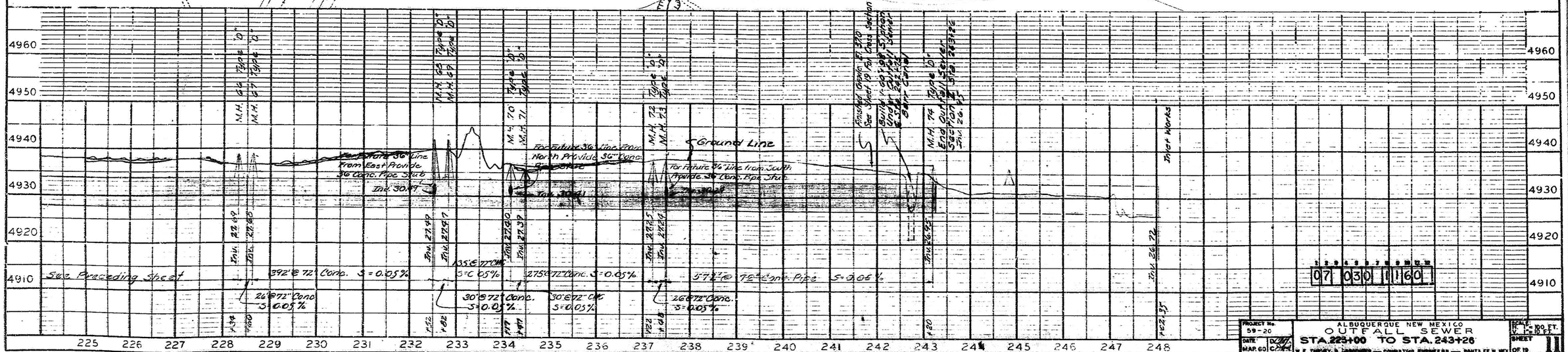
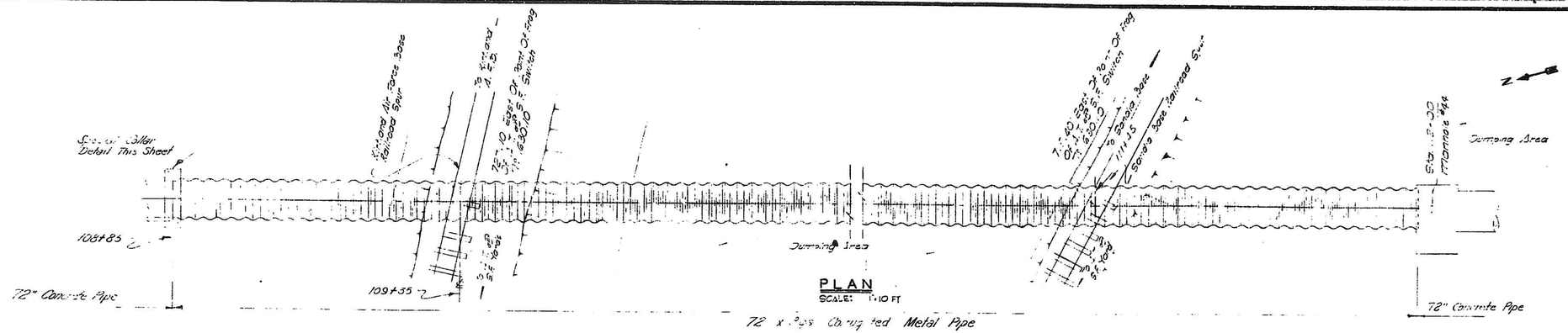


PROJECT No. 59-20	ALBUQUERQUE NEW MEXICO OUTFALL SEWER STA. 225+00 TO STA. 243+26	SCALE H. 1"=100 FT. V. 1"=10 FT.
DATE: MAR. 60		SHEET 11 OF 19

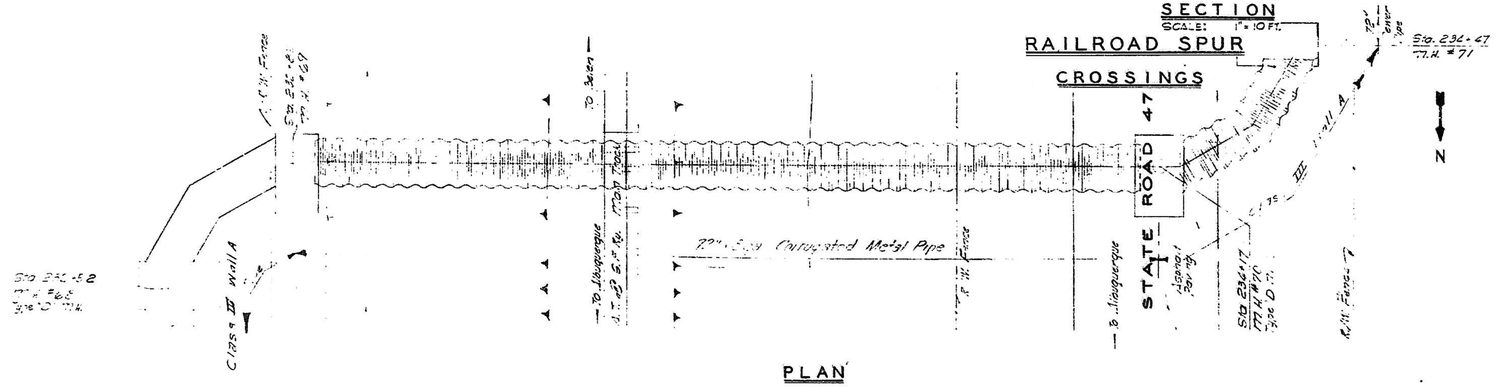
AS CONSTRUCTED



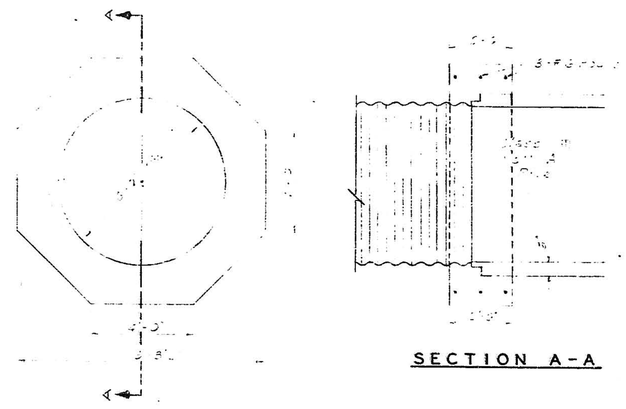
PLAN
SCALE: 1"=10 FT

SECTION
SCALE: 1"=10 FT.

RAILROAD SPUR
CROSSINGS



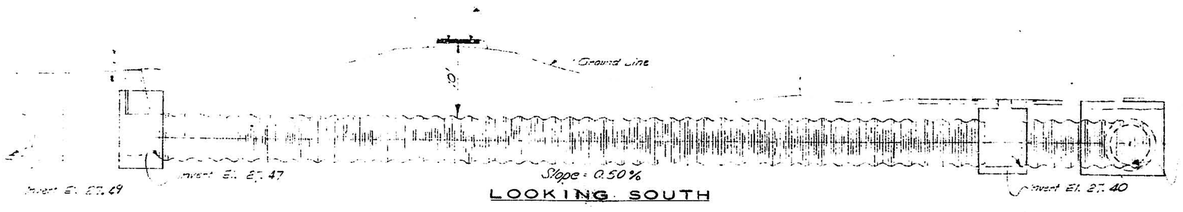
PLAN



SECTION A-A

SPECIAL COLLAR CONNECTION

WALL A TO WALL C CONCRETE PIPE



LOOKING SOUTH

SECTION

RAILROAD AND HIGHWAY CROSSING
SCALE: 1"=10 FT.

CITY OF ALBUQUERQUE
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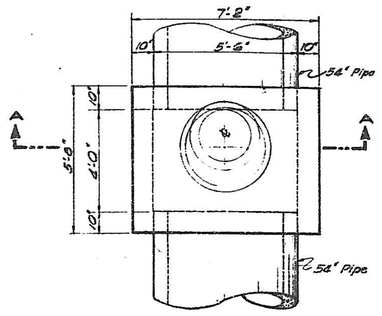
CITY CLERK/RECORDER

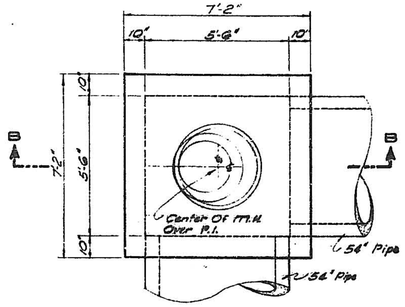
1 2 3 4 5 6 7 8 9 10 11 12
0 7 0 3 0 1 2 6 0

AS CONSTRUCTED

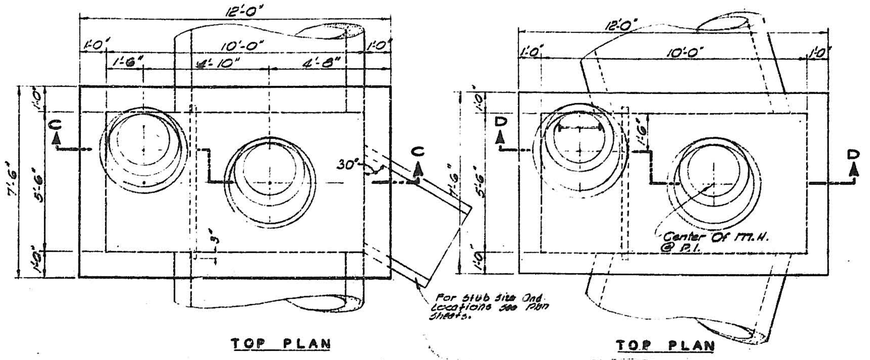
W. F. TURNEY AND ASSOCIATES CONSULTING ENGINEERS SANTA FE, NEW MEXICO		ALBUQUERQUE, NEW MEXICO	
BY	REVISION	DATE	SOUTH SIDE SEWAGE TREATMENT PLANT OUTFALL SEWER RAILROAD & HIGHWAY CROSSINGS
O. A. E. DESIGNATES OR APPROVED EQUAL	DRAWN: R. H. CHECKED: J. F. T.	PROJECT No. 58-20	SCALE: 1"=10 FT. DATE: MARCH '60 SHEET OF 19 12



TOP PLAN



TOP PLAN

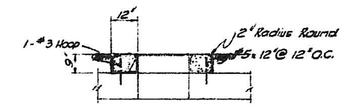


TOP PLAN

TOP PLAN

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

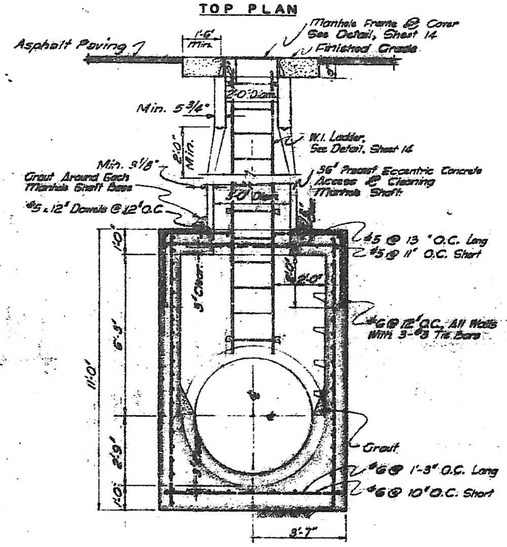
CITY CLERK/RECORDER



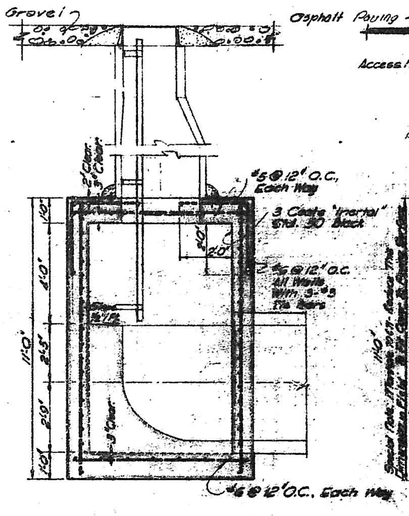
COVER AT SHALLOW MANHOLE

SCALE: 3/8" = 1 FT.

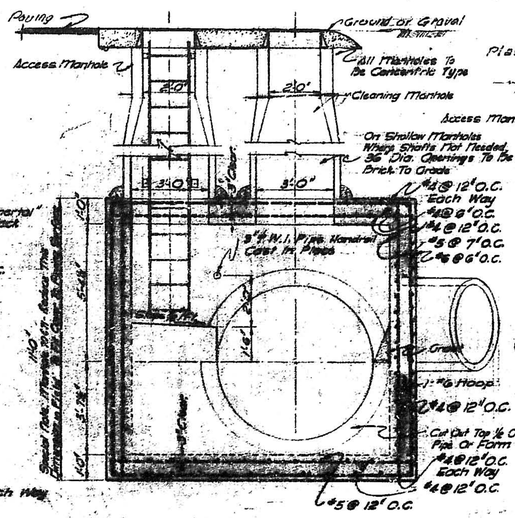
NOTE:
Exposed Access Shaft With Perforated Cover Shall Be Constructed On Manhole Nos 51, 52, 53, 54, 55, 56, 57, 58 59, 60, 61, 62, 63, 66, 67, 68 and 69



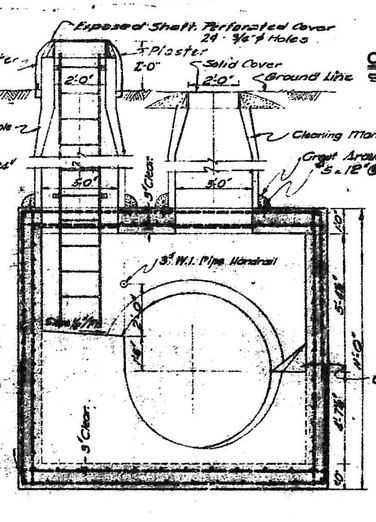
SECTION A-A



SECTION B-B

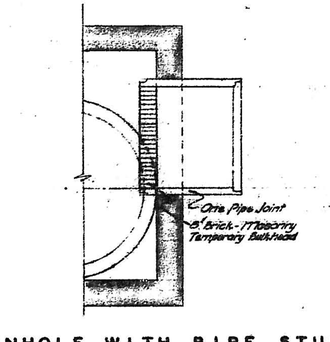


SECTION C-C



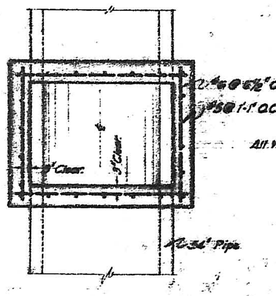
SECTION D-D

NOTE: Type C & Type D Manholes To Be Reinforced With Same Steel.



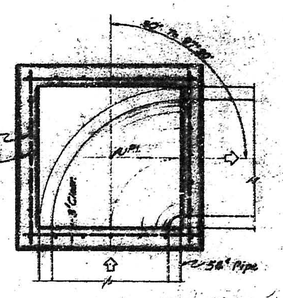
MANHOLE WITH PIPE STUBS

SCALE: 3/8" = 1 FT.



FLOOR PLAN

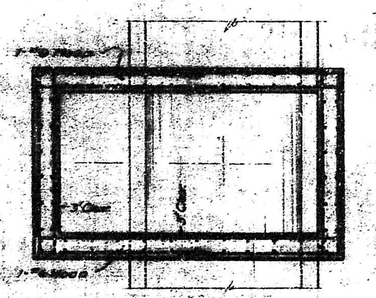
TYPE A



FLOOR PLAN

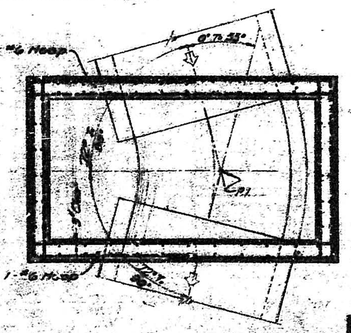
TYPE B

NOTE:
Manhole Type Refers To Concrete Box Only. Shafts Type Shall Depend On Location And Surface As Shown Above.



FLOOR PLAN

TYPE C



FLOOR PLAN

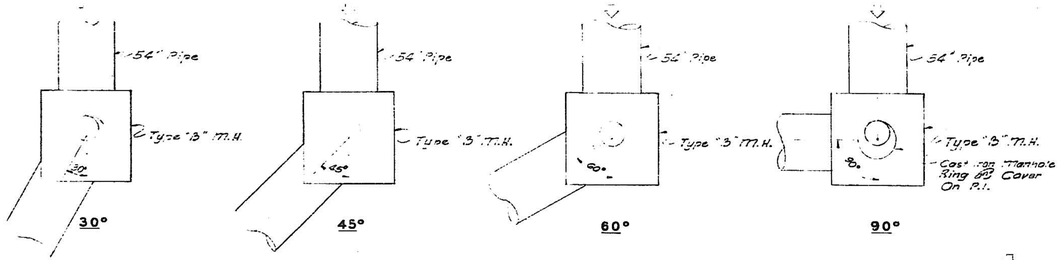
TYPE D

NOTE:

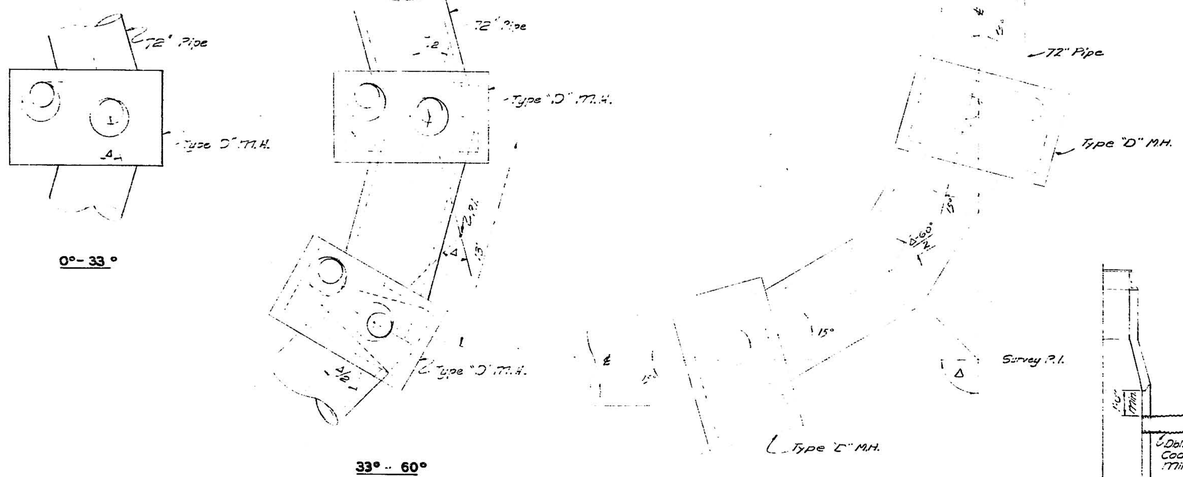
- Field Inside Surfaces Of All Manholes & Shafts With Two Coats Of Inertol Standard Black.
- Access & Cleanout Manhole Shafts Shall Be equivalent In Strength To 4000 P.S.I. Reinforced Concrete Pipe.

07 030 1360 AS CONSTRUCTED

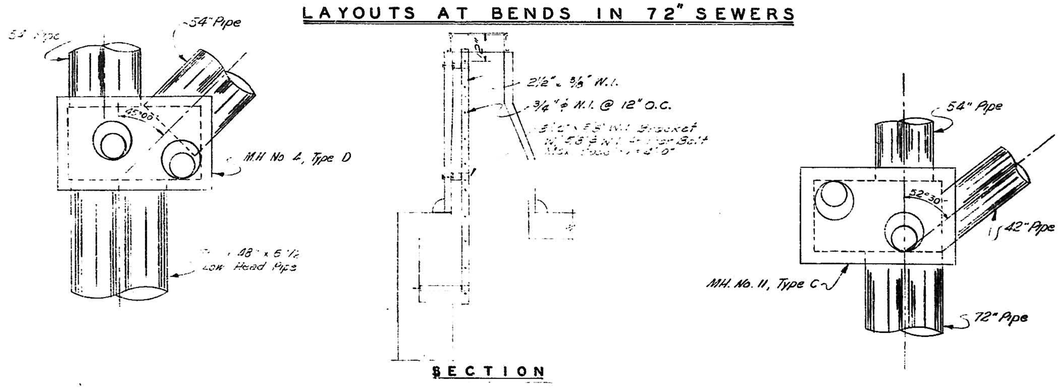
W. F. TURNEY AND ASSOCIATES CONSULTING ENGINEERS SANTA FE, NEW MEXICO	ALBUQUERQUE, NEW MEXICO SOUTH SIDE SEWAGE TREATMENT PLANT OUTFALL SEWER MANHOLES PLANS & SECTIONS



LAYOUTS AT BENDS IN 54" SEWERS



LAYOUTS AT BENDS IN 72" SEWERS



MANHOLE 4

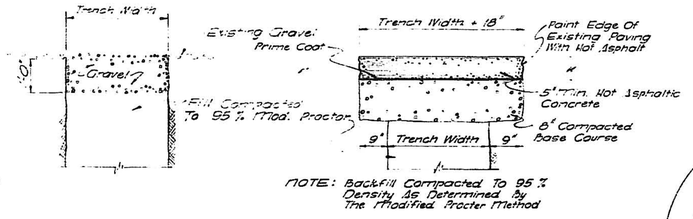
SCALE: 3/16" = 1 FT.

MANHOLE 11

SCALE: 3/16" = 1 FT.

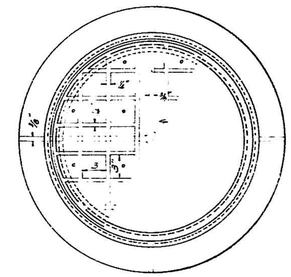
LADDER

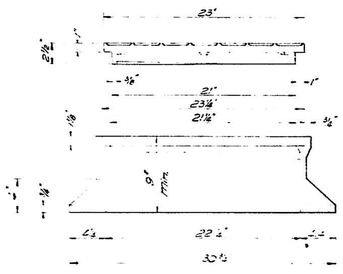
SCALE: 3/8" = 1 FT.



GRAVEL REPLACEMENT

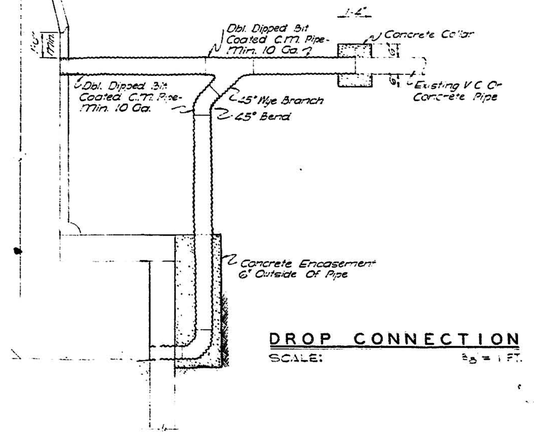
PAVING REPLACEMENT





CAST IRON MANHOLE RING AND COVER

NOTE 350# Min For Ring & Cover. Dimensions Approximate.



DROP CONNECTION

SCALE: 3/8" = 1 FT.

CITY OF ALBUQUERQUE
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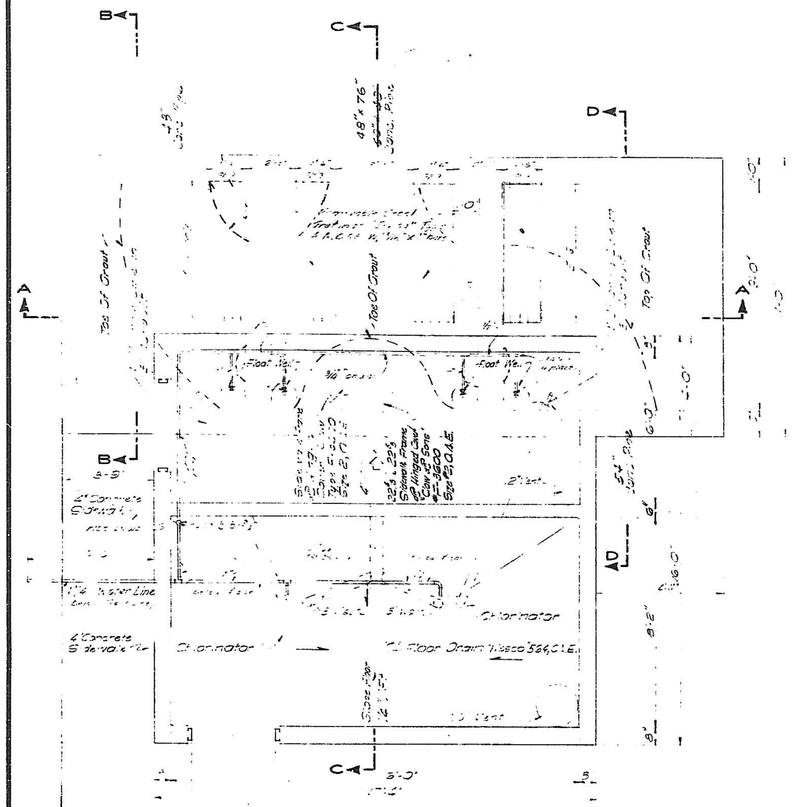
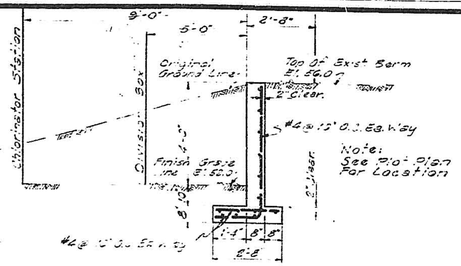
CITY CLERK/RECORDER

07 030 14460

AS CONSTRUCTED

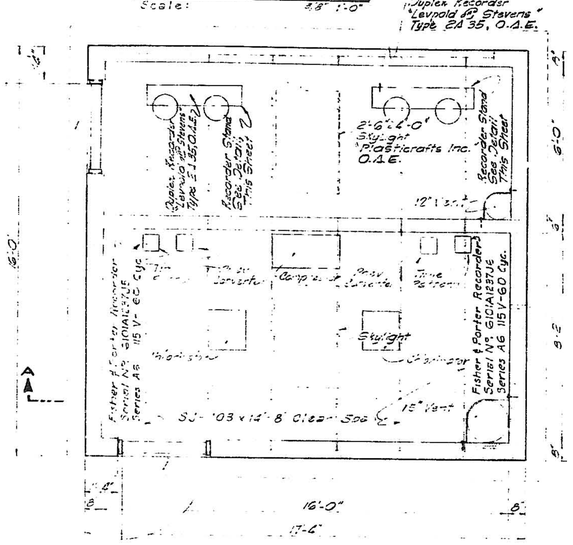
W. F. TURNEY AND ASSOCIATES CONSULTING ENGINEERS SANTA FE, NEW MEXICO	ALBUQUERQUE, NEW MEXICO SOUTH SIDE SEWAGE TREATMENT PLANT OUTFALL SEWER MANHOLES LAYOUTS & DETAILS
BY REVISION DATE	
O. A. E. DESIGNATES OR APPROVED EQUAL	DRAWN: CHECKED:
PROJECT No. 59-20	SCALE: 3/16" = 1'-0"
DATE: MARCH '80	SHEET 14 OF 19


B
C
D
A
Top Of Grout
Top Of Grout
Top Of Grout
Float Well
Float Well
Chlorinator
Chlorinator
Chlorinator
Concrete
Concrete
Floor Drain
Floor Drain
Sump
Pump
Vent
Vent
Sewer Line
Sewer Line
Sump
Pump
Concrete
Concrete
Concrete



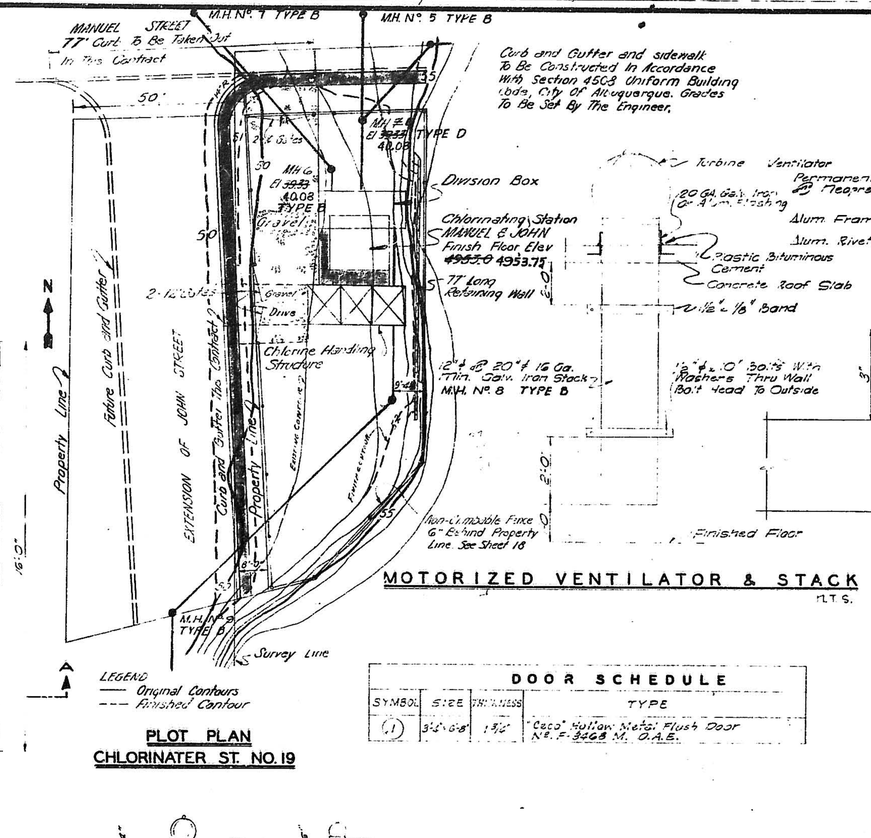
RETAINING WALL DETAIL

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



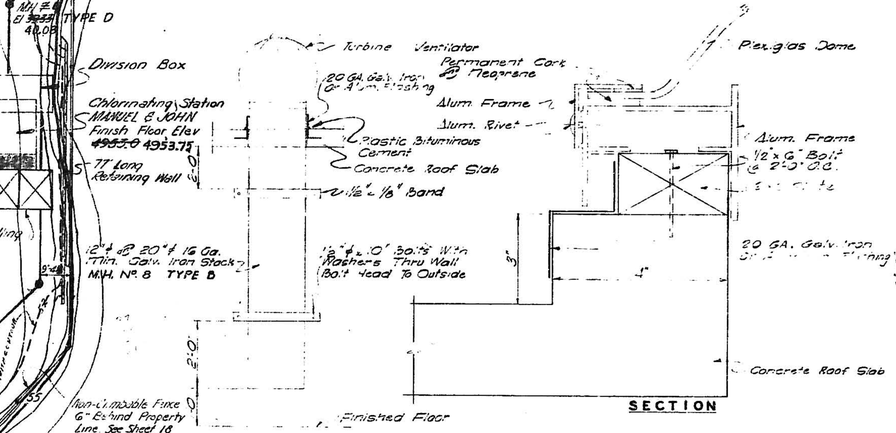
PLAN

SCALE: 3/8" = 1 FT.



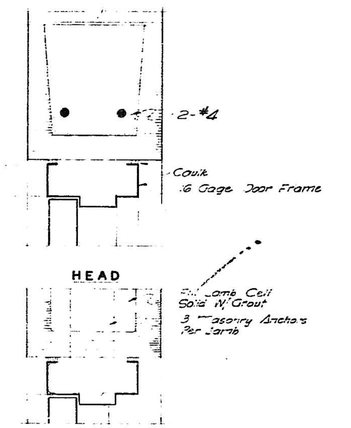
LEGEND
— Original Contours
--- Finished Contour

PLOT PLAN
CHLORINATER ST. NO. 19



SECTION

SKYLIGHT



METAL DOOR

SCALE: 3" = 1 FT.

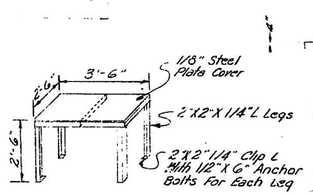
SYMBOL	SIZE	THICKNESS	TYPE
(1)	3'-0" x 6'-8"	1 3/4"	Ceco Hollow Metal Flush Door No. F-3668 M. O.A.E.

DOOR SCHEDULE

MOTORIZED VENTILATOR & STACK

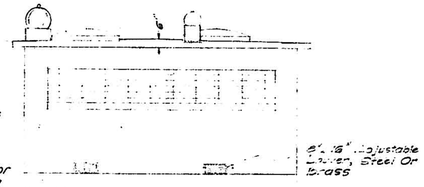
PLAN

SCALE: 3/8" = 1 FT.

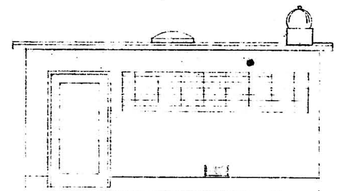


RECORDER STAND

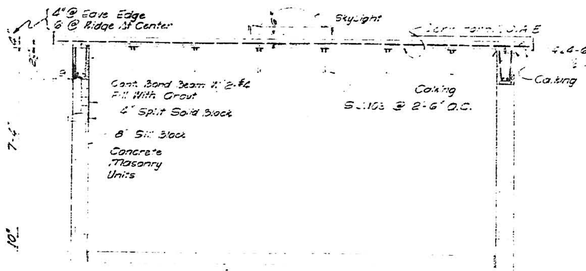
SCALE: 1" = 1'-0"



EAST

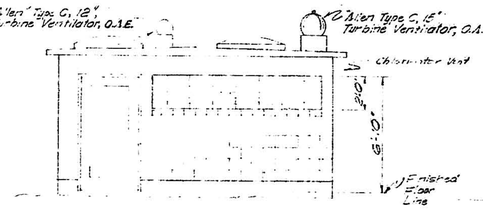


SOUTH

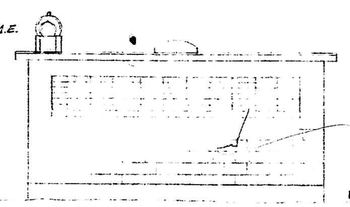


SECTION A-A

SCALE: 3/8" = 1 FT.



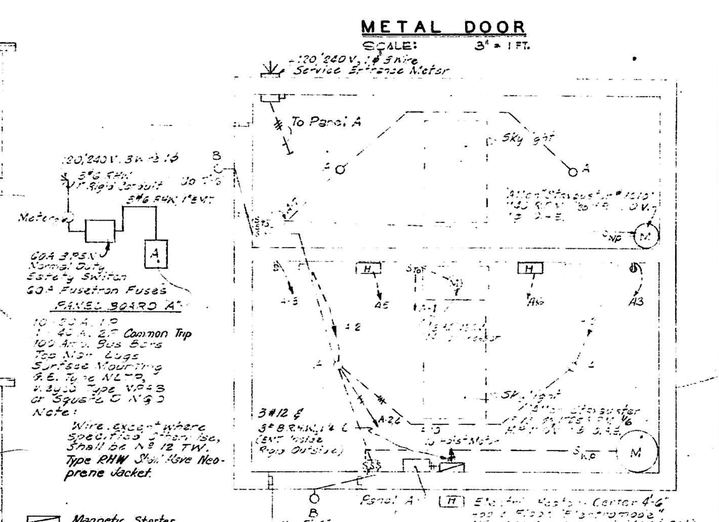
WEST



NORTH

ELEVATIONS

SCALE: 1/4" = 1 FT.



ELECTRICAL

SCALE: 3/8" = 1 FT.

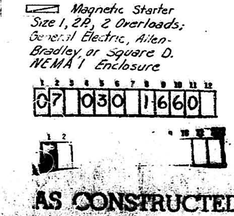
Locate opposite Chlorinator

ELECTRICAL SYMBOLS

- Ceiling Light Fixture, Benjamin #1964S, 200W Lamps
- Bracket Light Fixture #1965, 150 W. Lamps
- Duplex Wall Receptacle Outlet, #5962
- Switch, Arrow #1221 or Hubbell #1221
- Thermal Overload Switch
- Buss "SSU" Switch & Fuse
- Weatherproof Switch
- Electric Heater
- Baseboard
- Exposed Conduit May Be E.M.T.
- Concealed Conduit
- Magnetic Starter

120/240 V. 3 Wire Service Entrance Meter
Meter
200A 3 Pole Normal Duty Safety Switch
60A Fusetron Fuses
PANEL BOARD A
100 A.M.P. 2 Pole Common Trip
100 Amp. Bus Bars
Top Main Lugs
Surface Mounting
N.E. Type NL-2
With Type W.E.S. or Square D. N.G.D.
Note: Wire except where Specified Otherwise, Shall Be N.E. 12 TW, Type RHW Rubber Neoprene Jacket.

Magnetic Starter Size 1, 2Ø, 2 Overloads; General Electric, Allen-Bradley, or Square D. NEMA 1 Enclosure



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CITY CLERK/RECORDER

W. F. TURNEY AND ASSOCIATES
CONSULTING ENGINEERS
SANTA FE, NEW MEXICO

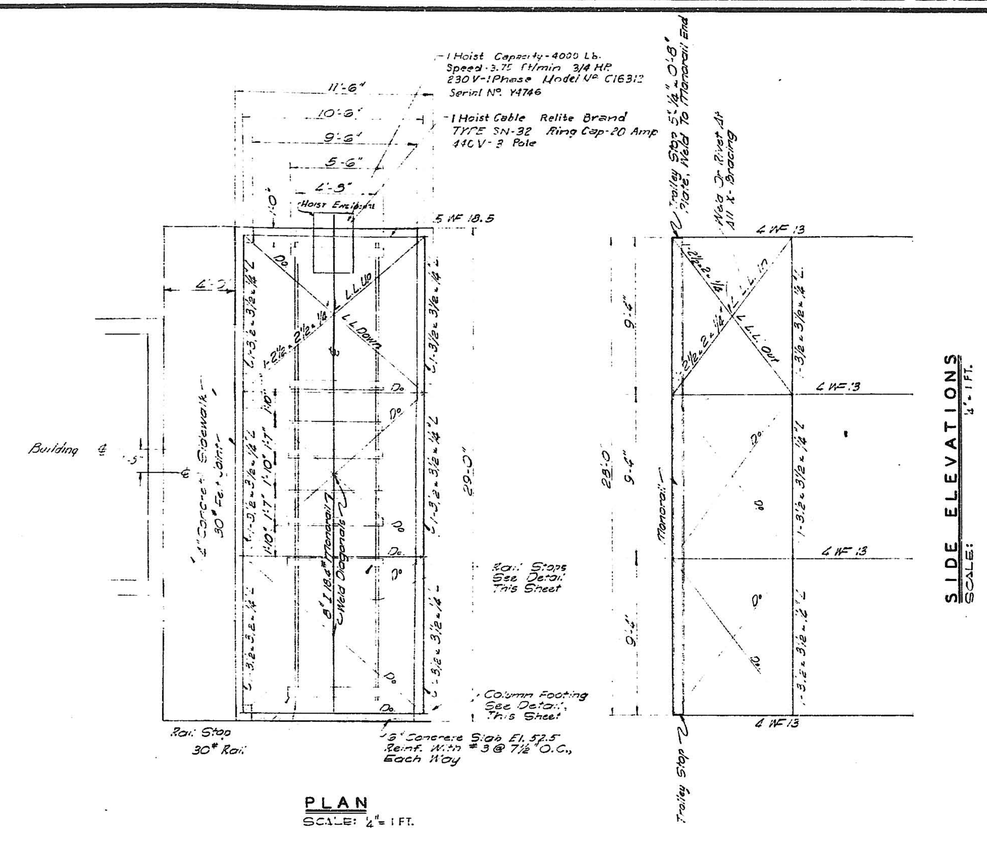
BY	REVISION	DATE

O. A. E. DESIGNATES AN APPROVED SIGNAL

DRAWN: E. L. S.
CHECKED: W. F. T.

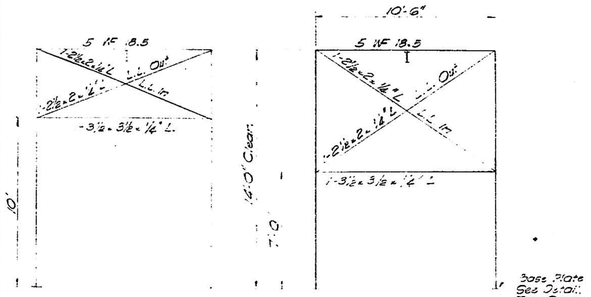
ALBUQUERQUE, NEW MEXICO
SOUTH SIDE SEWAGE TREATMENT PLANT
OUTFALL SEWER
CHLORINATOR STATION
MANUEL & JOHN

PROJECT No.	SCALE:	DATE:	SHEET
59-20	3/8"=1'-0"	MARCH '60	16 OF 18



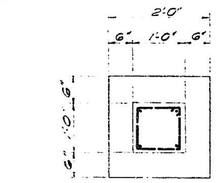
PLAN
SCALE: ¼" = 1 FT.

SIDE ELEVATIONS
SCALE: ¼" = 1 FT.

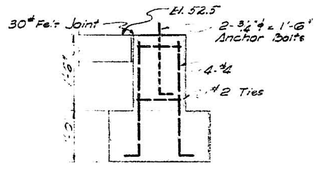


ACCESS ELEVATION
SCALE: ½" = 1 FT.

REAR ELEVATION
SCALE: ¼" = 1 FT.

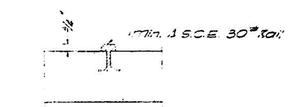


PLAN

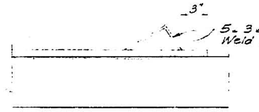


SECTION

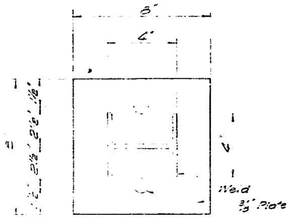
COLUMN FOOTING
SCALE: ¾" = 1 FT.



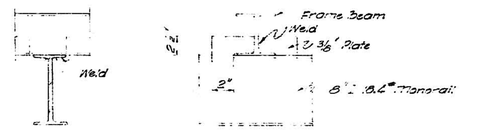
RAIL SETTING
SCALE: 1½" = 1 FT.



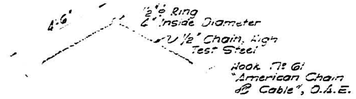
RAIL STOP
SCALE: 1½" = 1 FT.



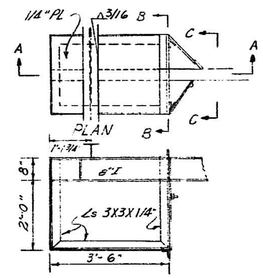
BASE PLATE
SCALE: 3" = 1 FT.



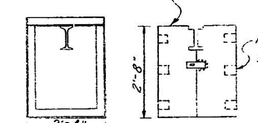
MONORAIL SUPPORT
SCALE: 1½" = 1 FT.



LIFTING SLING
2-REQ'D FOR EACH STATION



Enclosure To Be Constructed Of 1/4 PL And 3X3X 1/4" ∠ With All Joints Welded



HOIST ENCLOSURE
1/2" = 1 FT

NOTES:

- Weld Vertical Bracing Members To Outer Flanges Of Columns & Horizontal Bracing Members To Upper Flanges Of Monorail Support Beams.
- Lifting Sling: As Details
- Provide One Hoist & Lifting Sling, Complete, At Each Chlorinator Station.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT
CITY CLERK/RECORDER

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

AS CONSTRUCTED

W. F. TURNEY AND ASSOCIATES
CONSULTING ENGINEERS
SANTA FE, NEW MEXICO

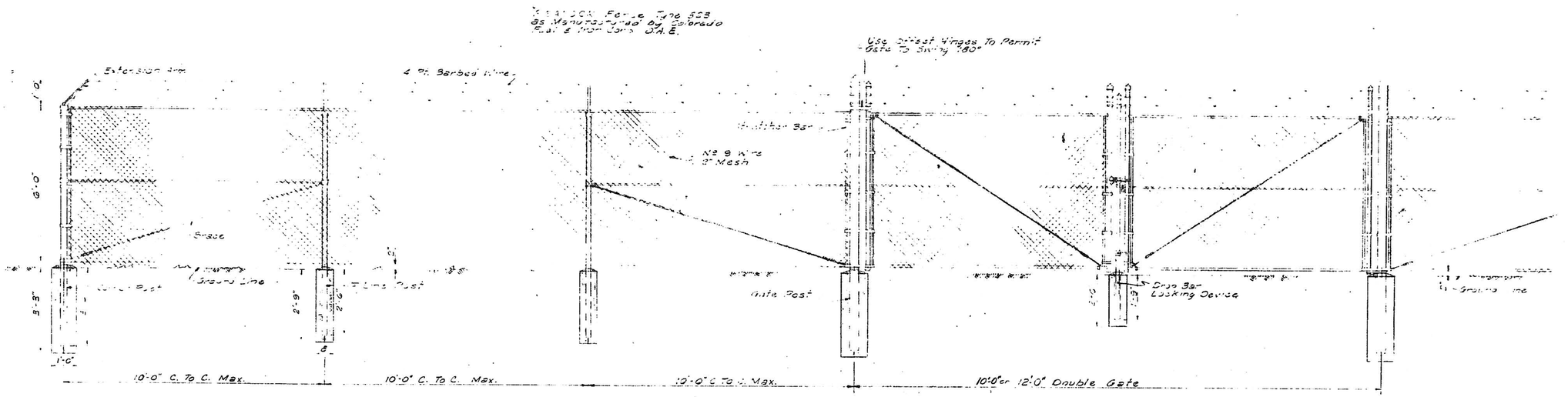
BY	REVISION	DATE

O. A. E. DESIGNATES OR APPROVED EQUAL

DRAWN: Sandoval
CHECKED: W.F.T.

ALBUQUERQUE NEW MEXICO
SOUTH SIDE SEWAGE TREATMENT PLANT
OUTFALL SEWER
CHLORINE CYLINDER HANDLING STRUCTURE

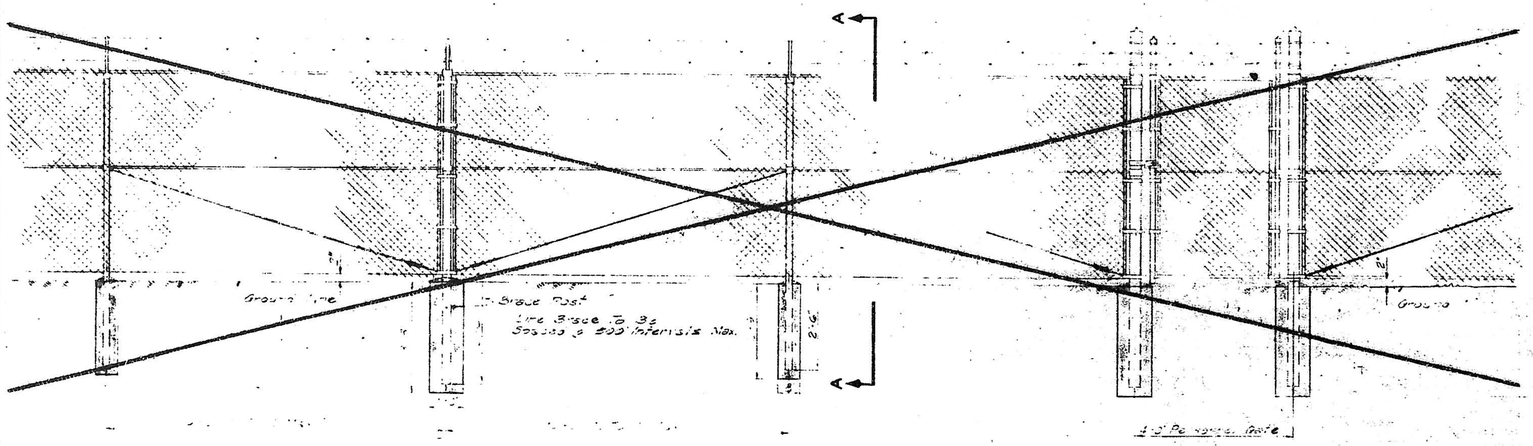
PROJECT No. 59-20
SCALE: 1/4"=1'-0"
DATE: MARCH '60
SHEET 1 OF 19



CORNER BRACE PANEL

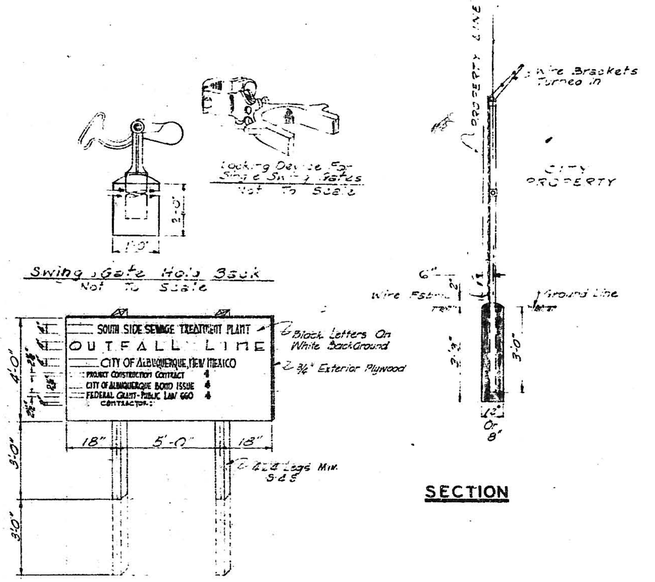
LINE PANEL

DOUBLE GATE PANELS



LINE BRACE PANELS

SINGLE GATE PANEL



PROJECT SIGN

SCALE: 3/8" = 1 FT

2 REQUIRED

SECTION

NON-CLIMBABLE FENCE

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

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT
Angie Lucio
CITY CLERK/RECORDER

07 030 1860

AS CONSTRUCTED

W. F. TURNEY AND ASSOCIATES
CONSULTING ENGINEERS
SANTA FE, NEW MEXICO

ALBUQUERQUE, NEW MEXICO
SOUTH SIDE SEWAGE TREATMENT PLANT
OUTFALL SEWER
NON-CLIMBABLE FENCE
DETAILS

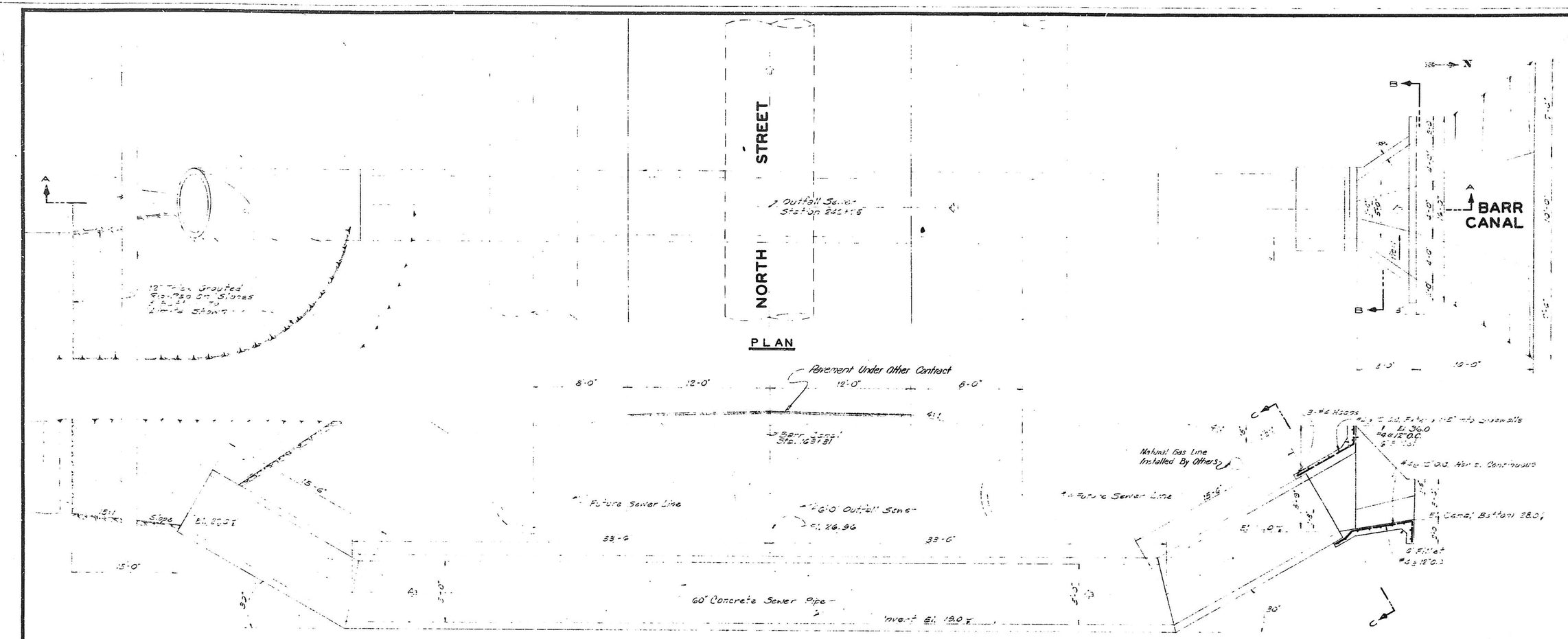
BY	REVISION	DATE

O. A. E. DESIGNATES OR APPROVED EQUAL

DRAWN: J. L. R.
CHECKED: W. F. T.

PROJECT No. 59-20
SCALE: 1/2" = 1'-0"
DATE: MARCH 60
SHEET No. 19

18



CITY OF ALBUQUERQUE
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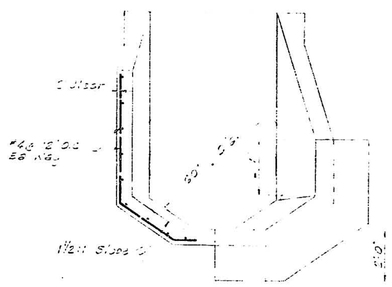
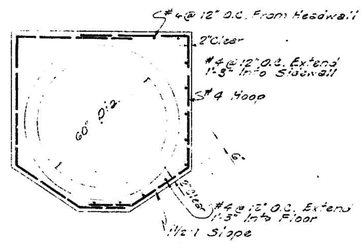
CITY CLERK/RECORDER



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



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

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

AS CONSTRUCTED

W. F. TURNEY AND ASSOCIATES CONSULTING ENGINEERS SANTA FE, NEW MEXICO	ALBUQUERQUE, NEW MEXICO SOUTH SIDE SEWAGE TREATMENT PLANT OUTFALL SEWER BARR CANAL SIPHON
BY / REVISION / DATE	
O. A. E. DESIGNATES OR APPROVED EQUAL	DRAWN: J.L.S. CHECKED: W.F.T.
PROJECT No. 59-20	SCALE: 1/4"-1'-0"
DATE: MARCH '60	SHEET 19 OF 19

Kodak