METROPOLITAN STORM SEWER EXTENSIONS PHASE IV-A

ROMANWAY HUSTON INC.

ALBUQUERQUE SEAL NEW MEXICO 1706

INDEX

TITLE SHEET	1
PROJECT LOCATION MAP	2
PLAN AND PROFILE SHEETS STORM SEWER AND SANITARY SEWER	3-7
INTERSECTION PLAN AND PROFILE SIDE STREETS STORM SEWER PLAN AND PROFILE	8-14
DETAILS 90° JUNCTION BOX	15
TRAFFIC CONTROL	16

LEGEND

- WATER VALVES
- FIRE HYDRANTS
- POWER POLES
- EXISTING MANHOLES
- EXISTING DROP INLETS
- EXISTING SANITARY SEWER
- EXISTING WATER LINES
- EXISTING STORM SEWER
- EXISTING CHAIN LINK FENCE

GENERAL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT CURB AND GUTTER AND CONCRETE SIDEWALK WITHIN THE LIMITS OF CONSTRUCTION AND AS APPROVED BY THE ENGINEER.
2. ANY SHORING AND/OR SHEET PILING THE CONTRACTOR DEEMS NECESSARY TO CONSTRUCT THE STORM SEWER FACILITY SHALL BE CONSIDERED INCIDENTAL TO THAT CONSTRUCTION, AND NO SEPARATE MEASUREMENT OR PAYMENTS WILL BE MADE FOR THE SHORING AND/OR SHEET PILING OPERATION.
3. THE CONTRACTOR IS ADVISED THAT NO SEPARATE MEASUREMENT AND/OR PAYMENT SHALL BE MADE FOR ADJUSTING MANHOLE RINGS, VALVE BOXES, WATER METER, WATER METER BOXES, ETC. THIS WORK SHALL BE DONE BY THE CONTRACTOR, AS REQUIRED BY THE ENGINEER, AS PART OF THE BID ITEMS "PAVEMENT REPLACEMENT AND/OR SIDEWALK REPLACEMENT".
4. THE CONTRACTOR IS ADVISED THAT NO SEPARATE MEASUREMENT AND/OR PAYMENT WILL BE MADE FOR THE REMOVAL AND REPLACEMENT OR RELOCATION OF EXISTING WATER METERS. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO OTHER CONTRACT ITEM.
5. THE CONTRACTOR SHALL CONFIRM THE SIZE AND TYPE OF EXISTING UTILITIES IN THE FIELD.

ON MAP 3-80
APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER-FIELD
DATE 10/19/79

08 | 002 | 01 | 79

08-002-79

Date Sept. 19, 1979

AS BUILT

EDA PROJECT NO. 08-51-20459



CITY OF ALBUQUERQUE NEW MEXICO

METROPOLITAN STORM SEWER EXTENSIONS

PHASE IV-A C.I.P. 444-66-018

SEAL

PROJECT LOCATION MAP

DRAWN BY	SCALE	SHEET
TLM	1" = 250' Approx.	2
CHECKED BY	DATE	
CJM	SEPT. 1977	16

LOMAS

GRANITE

See Sheet 6 for Profile

See Sheet 4

Tie into Existing 8" VC Sanitary Sewer Manhole

Tie New 8" VCP into Existing Manhole

8" VC Sanitary Sewer

RCP Sanitary Sewer

6" CI Water

7th Street

8th St. ℄ Profile

CONSTRUCTION LIMITS

Remove Abandoned 6" CI Water

27" RCP Sanitary Sewer

8" VC Sanitary Sewer

CONSTRUCT (3) DROP INLETS, TYPE C, 75' OF 15" DIA. CLASS III RCP. S=1.00%

CONSTRUCT (2) TYPE C DROP INLETS, 30' OF 15" DIA. CLASS III RCP S=1.00%

CONSTRUCT (2) TYPE C DROP INLETS, 30' OF 15" DIA. CLASS III RCP. S=1.00%

15" RCP

10" RCP Storm Sewer

Type C 4' MH Inv. 51.14 Rim 54.58

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 45.09 Type E

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 46.28 Type E

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 46.18 Type E

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 46.31 Type E

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 47.84 Type E

CONSTRUCT 4' DIA. SANITARY SEWER MANHOLE INV. 49.40 Type E

CONSTRUCT 8' DIA. STORM SEWER MANHOLE TYPE E

CONSTRUCT 8' DIA. STORM SEWER MANHOLE TYPE E

CONSTRUCT 8' DIA. STORM SEWER MANHOLE TYPE E

CONSTRUCT 8' DIA. STORM SEWER MANHOLE TYPE E

CONSTRUCT 8' DIA. STORM SEWER MANHOLE TYPE E

CONSTRUCT 66" Dia RCP

CONSTRUCT SANITARY SEWER

Begin Construction

Existing 72" RCP Storm Sewer

Existing 66" RCP Storm Sewer

66" Dia. Class III RCP

8" Dia VCP S=.361

8" Dia VCP S=.443% S=.392%

8" Dia. VCP S=.446% S=0.465%

66" Dia. Class III RCP S=.322% S=.311%

66" Dia. Class III RCP S=0.321%

8" Dia. VCP Inv. 49.95

S=.322

+31.0 Existing Manhole Inv. 40.46

+17.0 Existing Manhole Inv. 41.0

+66.80 Inv. 41.86

Inv. 42.05

Inv. 42.37

Inv. 42.69

Out 42.72 In 42.87

Inv. 42.82

Inv. 43.02

Inv. 43.65

Inv. 43.97

Inv. 44.19

Inv. 44.51

Inv. 44.83

Inv. 45.15

+29.03

+90.38

Type B Rim Elev. 54.99

Type B Inv. 54.77 Rim

Type C

Type E

Type B

Type E

Type E

Type E



CITY OF ALBUQUERQUE NEW MEXICO

METROPOLITAN STORM SEWER EXTENSIONS

PHASE IV-A C.I.P. 444-66-018

PLAN AND PROFILE SHEET

8TH STREET ALIGNMENT

S.V.S.	Horizontal 1" = 40' / Vertical 1" = 8'	4
C.J.M.	SEPT., 1977	16

NOTE: REPLACE 8" STEEL WATERLINE IN BELLAMAH FROM 7TH TO 8TH ST. WITH 12" CI.
REPLACE 6" STEEL WATERLINE IN 7TH STREET FROM BELLAMAH AVE. TO ASPEN AVE. WITH 6" CI.

FOR PLAN & PROFILE SAWMILL ROAD SEE SHEET 7 OF 16

FOR INTERSECTION DETAILS SEE SHEET 11 OF 16

FOR INTERSECTION DETAILS SEE SHEET 12 OF 16

MATCH LINE SEE SHEET 5

MATCH LINE SEE SHEET 6

8 TH. STREET

7 TH. STREET

BELLAMAH

ASPEN

SAWMILL RD.

8" VC Sanitary Sewer

6" Steel Water

Bellamah Ave. ℄ Profile

7th St. ℄ Profile

8th St. Profile

8" Dia VCP S=.154

54" Dia. Class III RCP S=.136 .125% 255.43'

54" Dia. Class III RCP 455.12' S=.136 .119%

54" Dia. Class III RCP S=.136 .122 % 419.17'

8" Dia. VCP S=.285

66" Dia Class III RCP 487.53' S=.136 S=.121%

54" Dia. Class III RCP S=.136

53.0' 54" Dia. Class III RCP S=.136 .132%

27.27' 54"Dia. Class III RCP S=.110%

Date Sept. 19, 1979 AS BUI

EDA PROJECT NO CE 5: 20459

CITY OF ALBUQUERQUE NEW MEXICO

METROPOLITAN STORM SEWER EXTENSIONS

PHASE IV-A C.I.P. 444-66-018

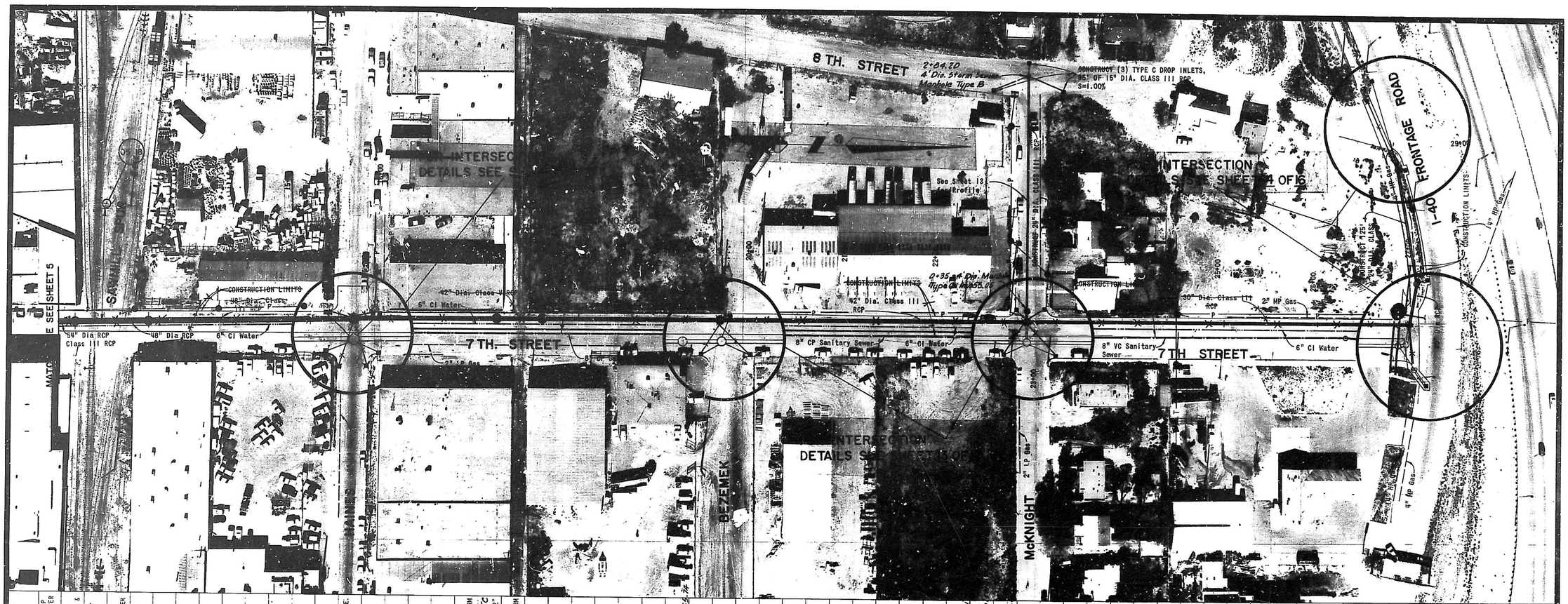
PLAN AND PROFILE SHEET

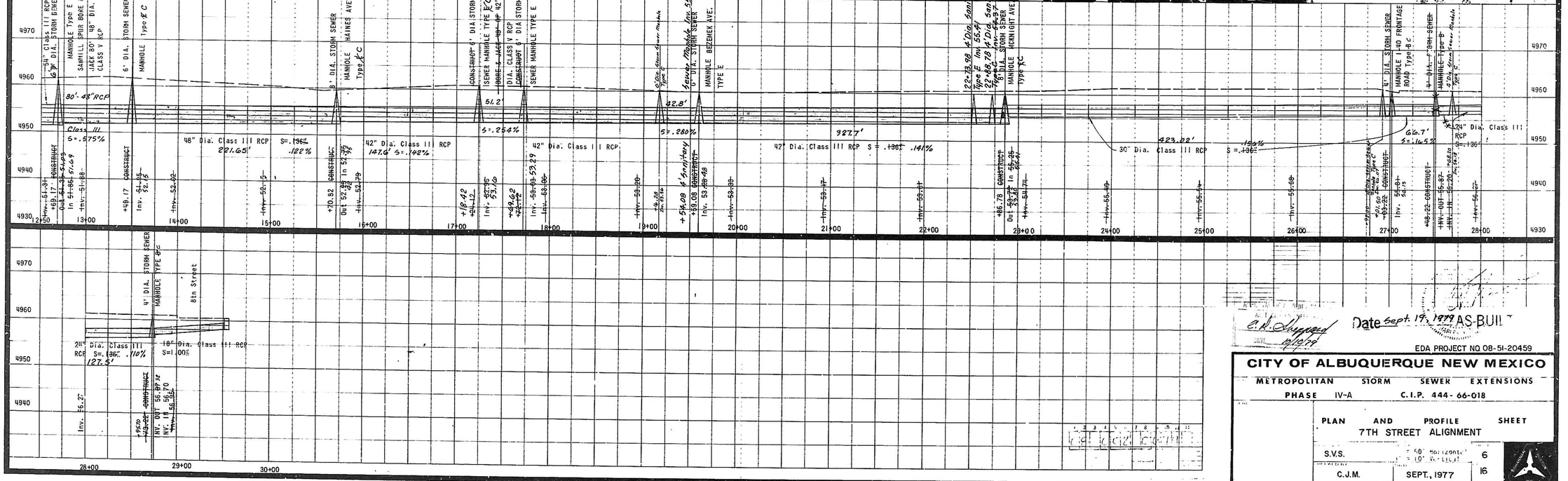
8TH & 7TH STREET ALIGNMENT

S.V.S. 1" = 50' Horizontal 5

1" = 10' Vertical 16

C.J.M. SEPT., 1977





C.N. Sheppard 10/19/77

Date Sept. 19, 1979 AS-BUILT

EDA PROJECT NO 08-51-20459

CITY OF ALBUQUERQUE NEW MEXICO

METROPOLITAN STORM SEWER EXTENSIONS

PHASE IV-A C.I.P. 444-66-018

PLAN AND PROFILE SHEET

7TH STREET ALIGNMENT

S.V.S. 1" = 50' Horizontal, 1" = 10' Vertical 6

C.J.M. SEPT., 1977 16

NOTE: All Water Service Placed This Sheet Were 3/4" Plastic. New Meters & Setters Were Installed at Locations.

SAW MILL ROAD

12th STREET

8TH. STREET

BELLAMAH

7TH. STREET

FOR PLAN & PROFILE 8TH. STREET & BELLAMAH 7TH. STREET SEE SHEET 8 OF 16

FOR INTERSECTION DETAILS SEE SHEET 9 OF 16

CONSTR. TWO (2) TYPE C DROP INLETS AND 15" DIA. CLASS III RCP S=1.00%

CONSTRUCT (2) Stanoard 4' Dia. MH Type C

CONSTRUCT TWO (2) TYPE C DROP INLETS AND 15" DIA. CLASS III RCP S = 1.00%

CONSTRUCT STANDARD 4' DIA. MH TYPE C

CONSTRUCT STANDARD 4' DIA. MANHOLE TYPE C

24" Dia. Class III RCP Storm Sewer

CONSTRUCTION LIMITS

CONSTR(1) TYPE C DROP INLET AND 15" DIA CLASS III RCP S=1.00%

CONSTR(1) TYPE C DROP INLET AND 15" DIA CLASS III RCP S=1.00%

Replace existing 8" Steel Waterline with 12" CI and Tie to Existing 12" CI Line

4" SEWER SERVICE

CONSTRUCT MH

12" CI Water

6" St Water

4" St Water

8" CP Sanitary Sewer

15" CP Sanitary Sewer

8" H.P. Gas

6" H.P. Gas

8" Dia. Class III RCP

30" Dia. Class III RCP

24" Dia. Class III RCP

8" CI Water

4" Dia. Class III RCP

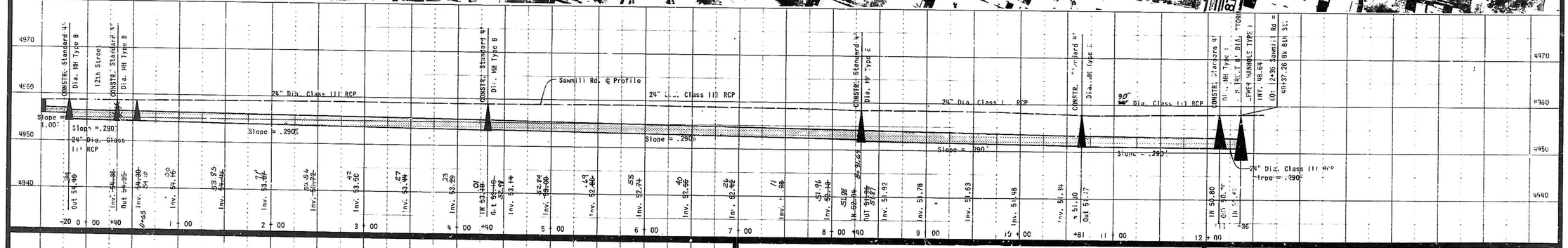
Sta. 4+00 Sawmill Rd = Sta. 49+37.26 Bk 8th St.

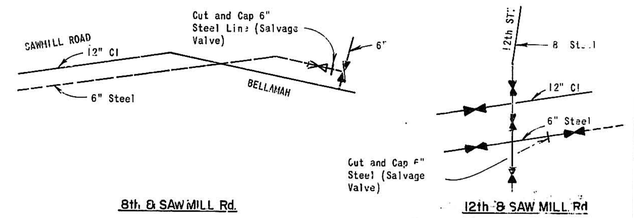
JOWEY HAMMONDS TYPE I

INV. 48.64

EQ: 12+36 Sawmill Rd =

49+37.26 Bk 8th St.





The 6" Steel Line shown in Sawmill Raod shall be cut and capped at 8th St. and Sawmill Road and 12th St. and Sawmill Road as shown. This 6" Steel Line be abandoned and existing service lines transferred to the existing 12" CI line.

CITY ENGINEER

DATE 10/10/79

Date Sept. 19 1979 AS-BUILT

EDA PROJECT NO. 08-51-20459

CITY OF ALBUQUERQUE NEW MEXICO

JOB METROPOLITAN STORM SEWER EXTENSIONS

PHASE IV-A C.I.P. 444-66-018

SEAL

PLAN AND PROFILE SHEET

SAW MILL RD. AND BELLAMAH AVE. ALIGNMENT

DRAWN BY J.R.J.

CHECKED BY C.J.M.

SCALE 1" = 50' Horizontal 1" = 5' Vertical

DATE SEPT. 1977

SHEET 7 OF 16

DWG. NO. 7

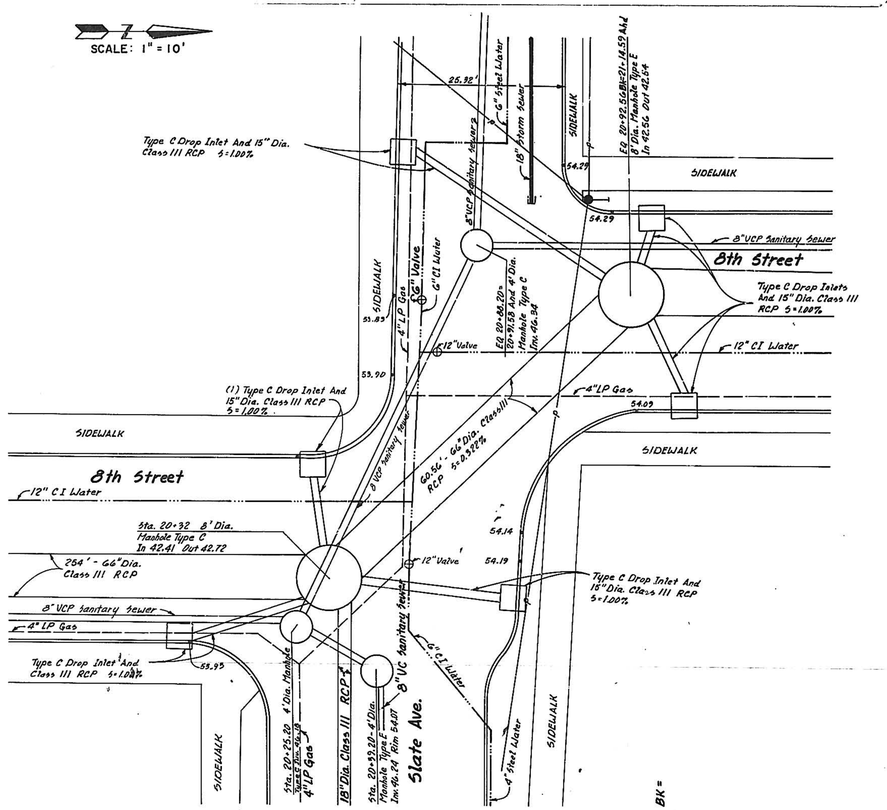
REVISIONS

NO. DATE BY

1 ADDENDUM

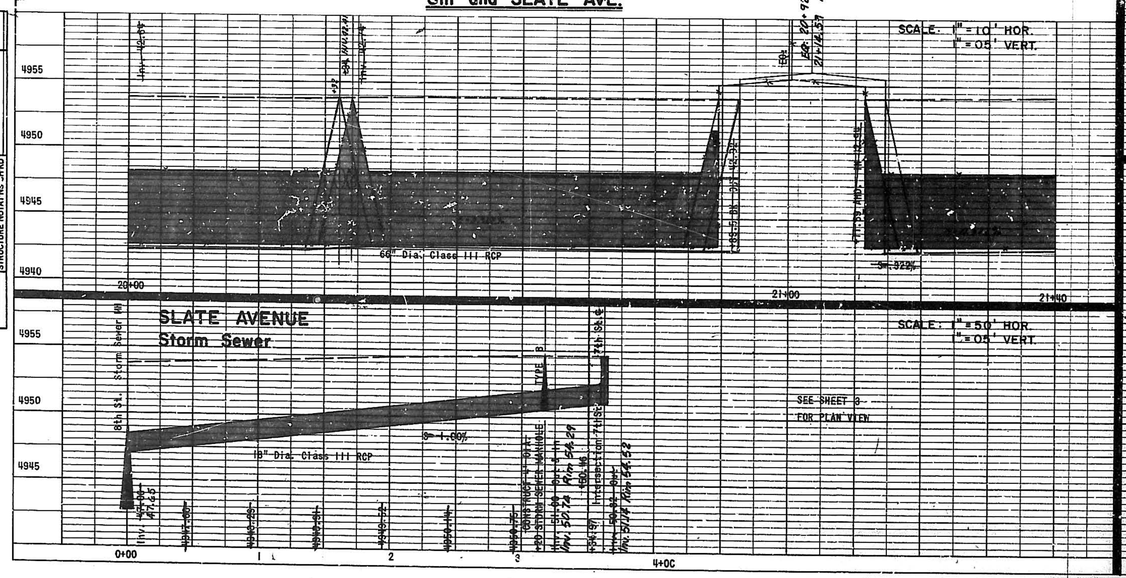
PLAN
SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
PIT OF UNIT CHECKED
NOTE BOOK
NO.
DATE
BY

SCALE: 1" = 10'



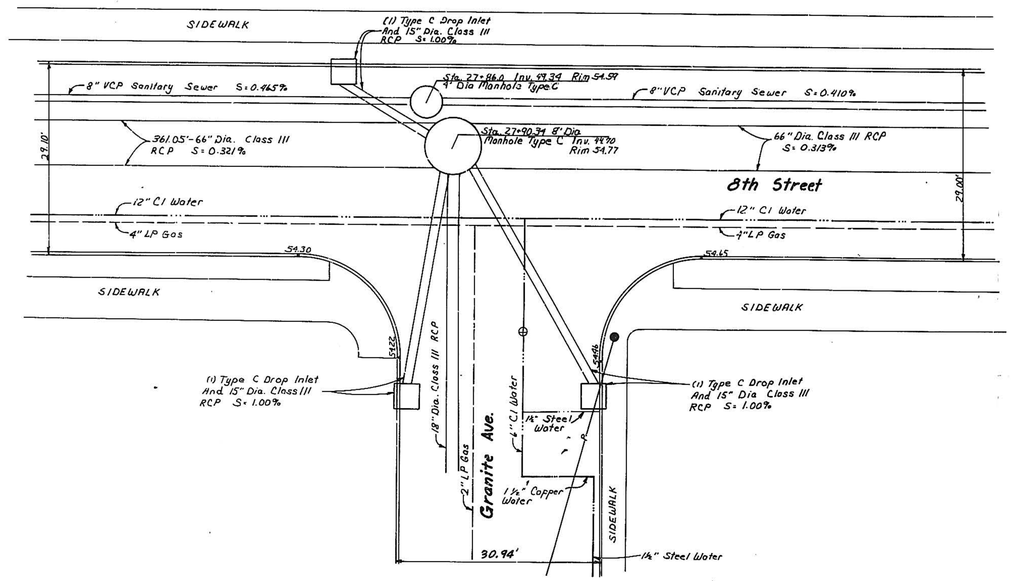
8th and SLATE AVE.

SCALE: 1" = 10' HOR.
1" = 05' VERT.



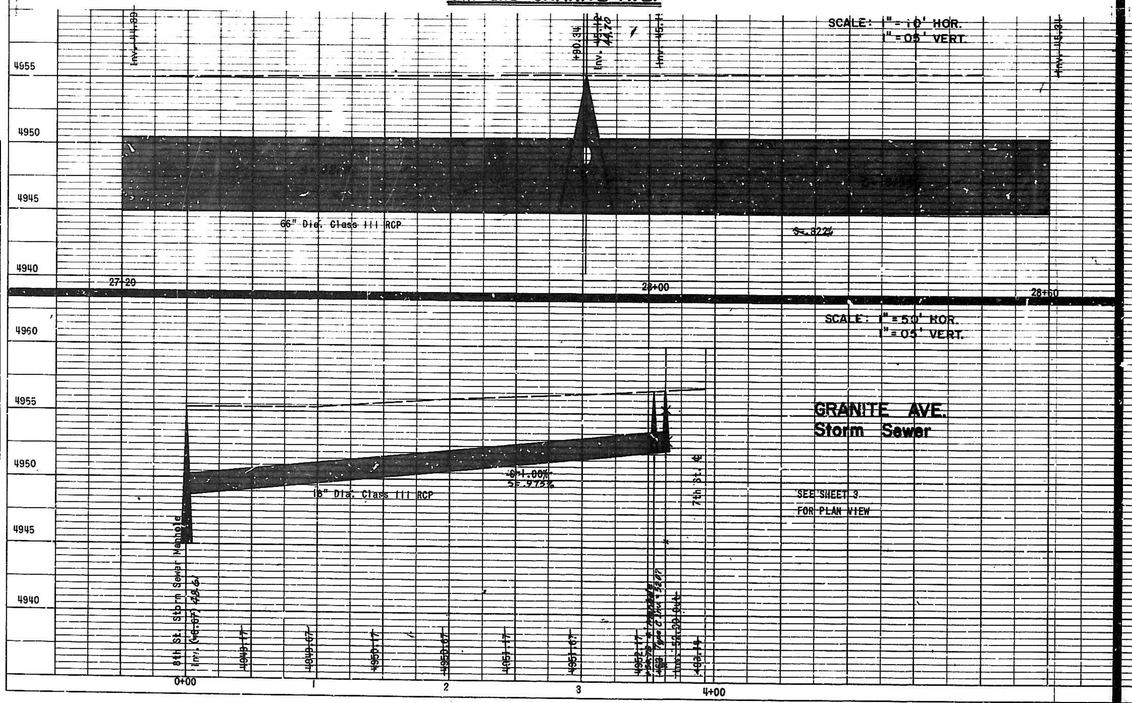
PLAN
SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
NOTE BOOK
NO.
BY
DATE

SCALE: 1" = 10'



8th and GRANITE AVE.

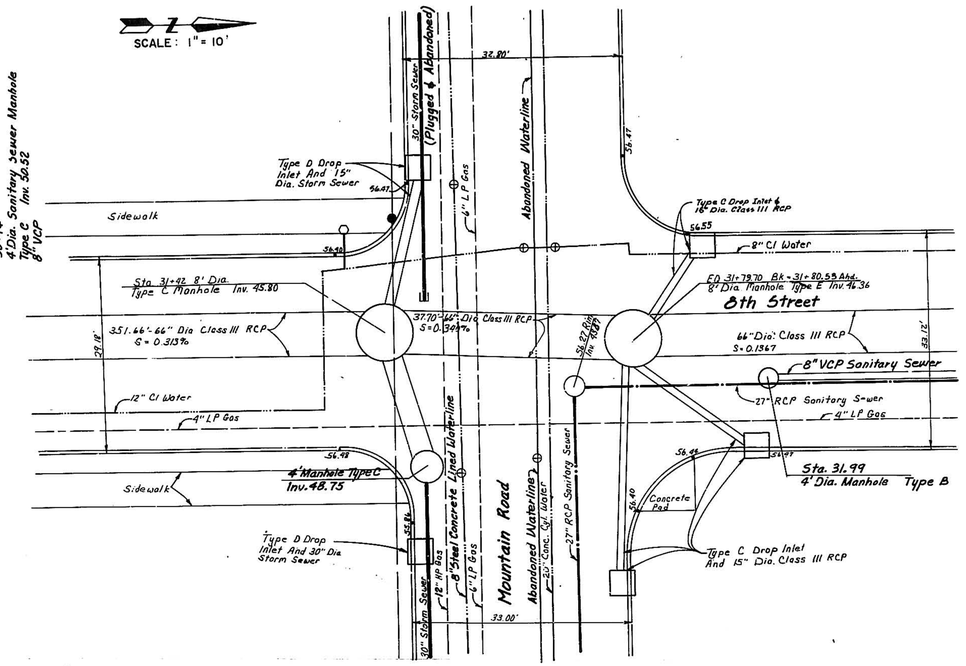
SCALE: 1" = 10' HOR.
1" = 05' VERTICAL



SEE SHEET 3
FOR PLAN VIEW

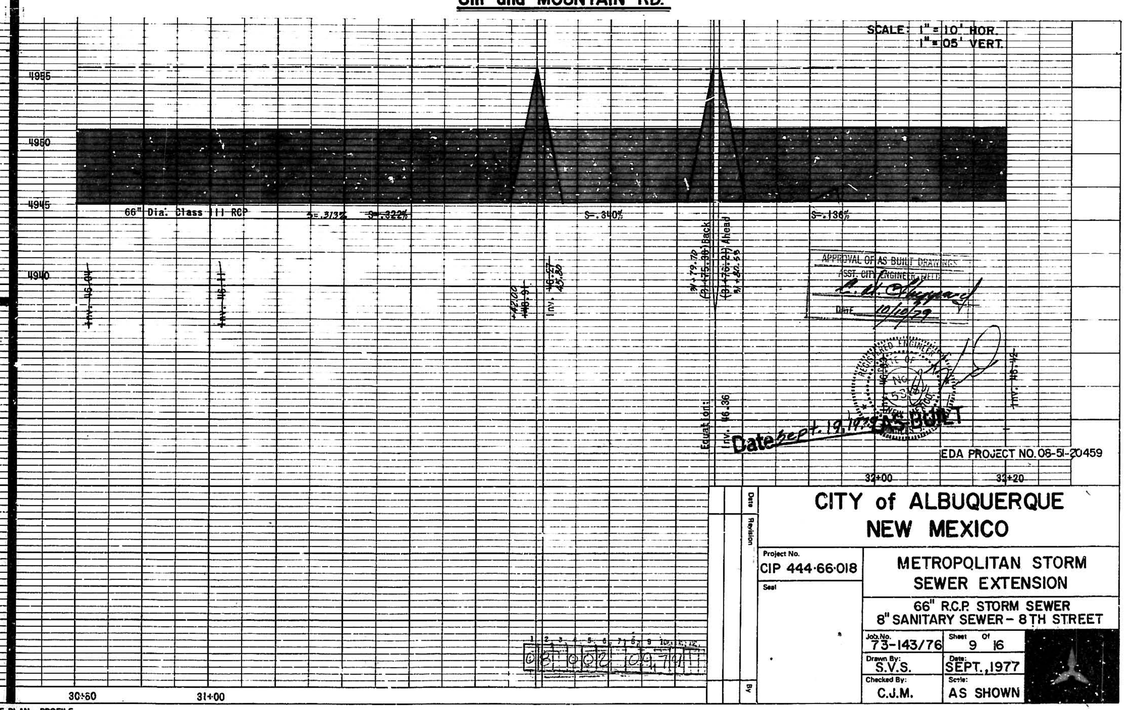
PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
NOTE BOOK
NO.
BY
DATE
STRUCTURE NOTATNS CHKD

SCALE: 1" = 10'



8th and MOUNTAIN RD.

SCALE: 1" = 10' HOR.
1" = 05' VERTICAL



No.	Revision	Date

CITY of ALBUQUERQUE
NEW MEXICO

Project No. CIP 444-66-018
Seal

METROPOLITAN STORM SEWER EXTENSION
66" R.C.P. STORM SEWER
8" SANITARY SEWER – 8TH STREET

Job No. 75-143/76	Sheet 9	Of 16	
Drawn By: S.V.S.	Date: SEPT., 1977		
Checked By: C.J.M.	Scale: AS SHOWN		

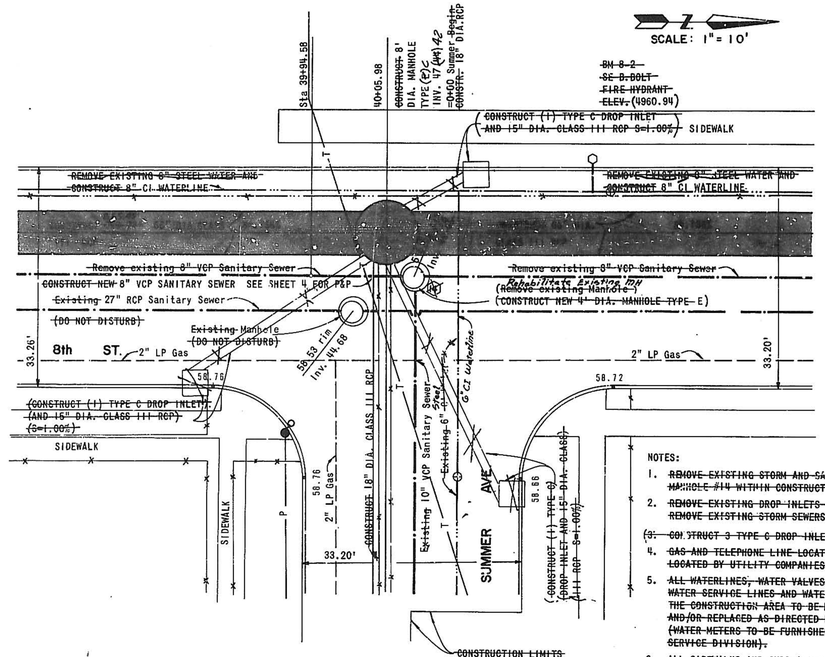
PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

PLAN

DATE	BY	
		SURVEYED.
		DRAWN.
		GRADES CHECKED.
		ALIGNMENT CHECKED.
		PT. OF INT CHECKED.

NOTE BOOK NO.

SCALE: 1" = 10'

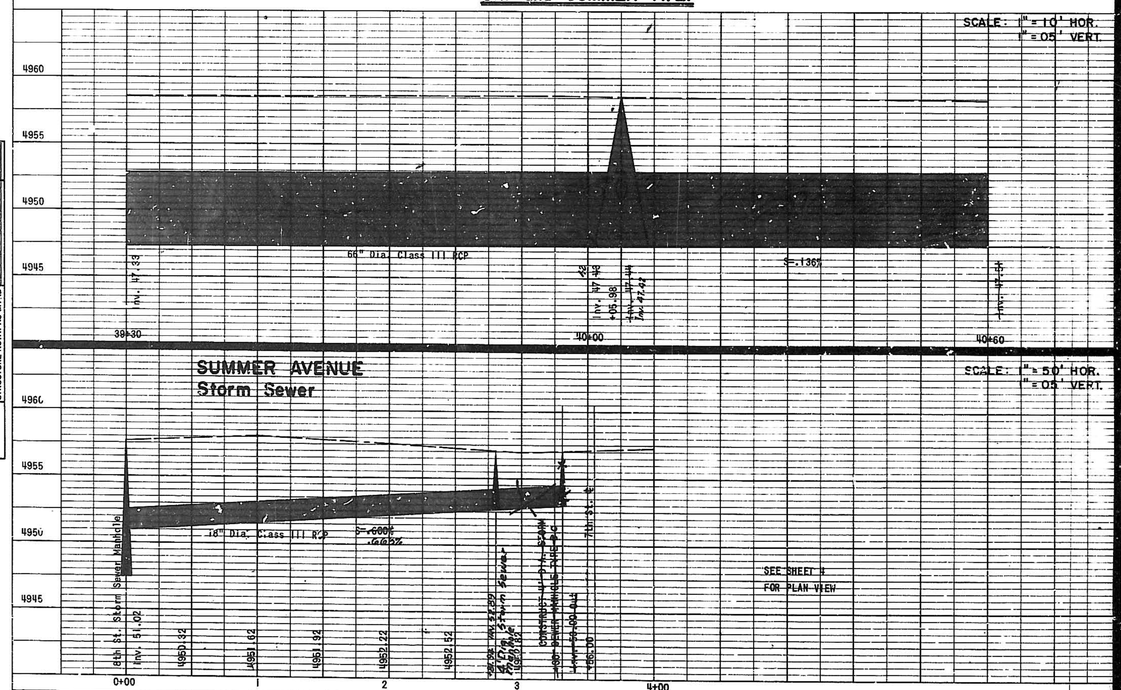


NOTES:

1. ~~REMOVE EXISTING STORM AND SANITARY SEWER MANHOLE #14 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLETS — NONE. REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 3 TYPE C DROP INLETS.~~
4. ~~GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.~~
5. ~~ALL WATERLINES, WATER VALVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION).~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

8th and SUMMER AVE.

SCALE: 1" = 10' HOR.
1" = 05' VERT.

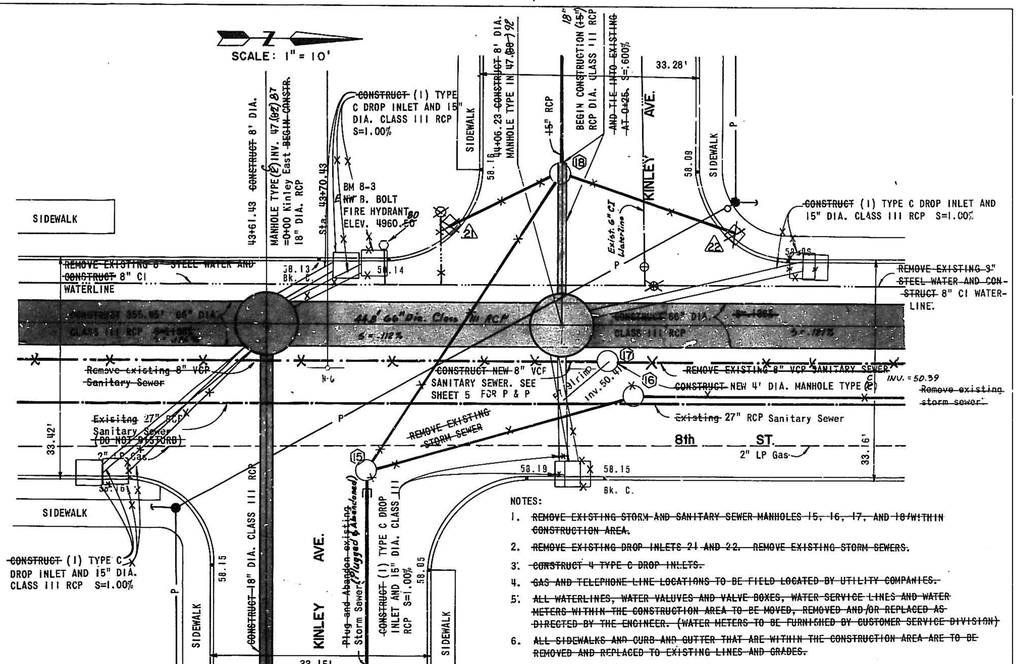


PROFILE

DATE	BY	
		SURVEYED.
		DRAWN.
		GRADES CHECKED.
		ALIGNMENT CHECKED.
		STRUCTURE NO. & TYPE CHKD

NOTE BOOK NO.

SCALE: 1" = 10'

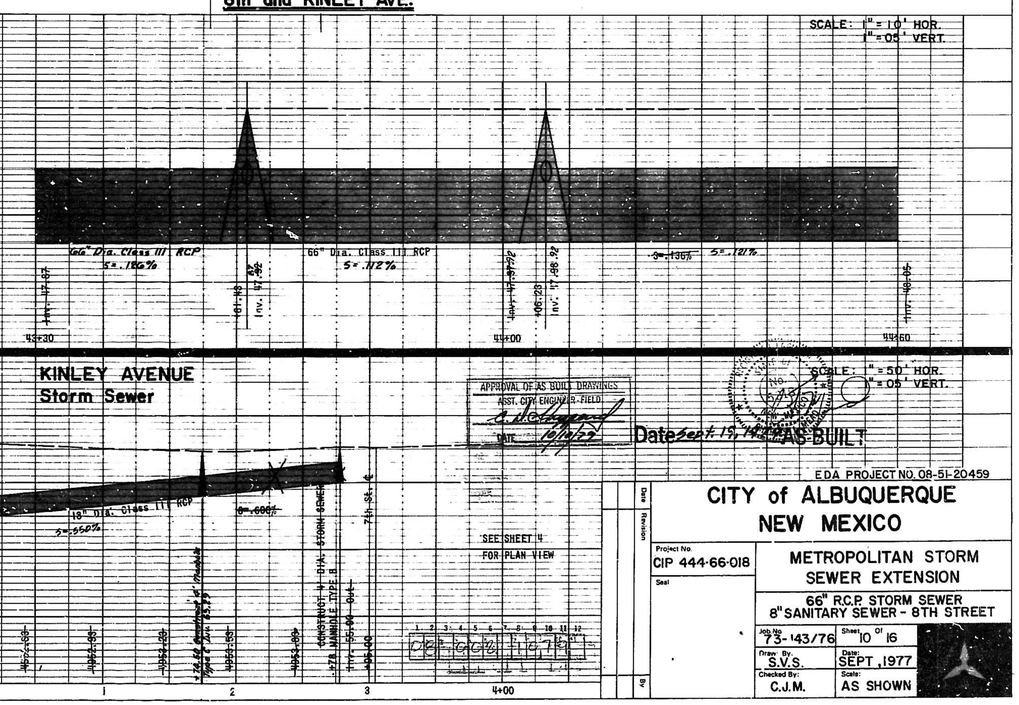


NOTES:

1. ~~REMOVE EXISTING STORM AND SANITARY SEWER MANHOLES 15, 16, 17, AND 18 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLETS 21 AND 22. REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 4 TYPE C DROP INLETS.~~
4. ~~GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.~~
5. ~~ALL WATERLINES, WATER VALUVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION)~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

8th and KINLEY AVE.

SCALE: 1" = 10' HOR.
1" = 05' VERT.



APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 10/6/77

Date Sept. 15, 1977 AS BUILT

EDA PROJECT NO. 08-51-20459

CITY of ALBUQUERQUE
NEW MEXICO

Project No. CIP 444-66-018

Seal

Date | Revision | By

METROPOLITAN STORM SEWER EXTENSION

66" R.C.P. STORM SEWER
8" SANITARY SEWER - 8TH STREET

Job No. 73-143/76	Sheet 10 Of 16
Draw. By: S.V.S.	Date: SEPT., 1977
Checked By: C.J.M.	Scale: AS SHOWN

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

NOTES:

1. ~~REMOVE EXISTING STORM AND SANITARY SEWER MANHOLES 19 AND 20 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLETS 23, 24, AND 25. REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 3 TYPE C DROP INLETS.~~
4. ~~GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.~~
5. ~~ALL WATERLINES, WATER VALVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION).~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

SCALE: 1"= 10'

~~CONSTRUCT~~ (1) TYPE C DROP INLET AND 15" DIA. CLASS III RCP S=1.00%

~~48+93.76 CONSTRUCT~~ 8' DIA. MANHOLE TYPE E ~~OUT 48.64~~ IN 93.64

~~CONSTRUCT~~ 8' DIA. MANHOLE TYPE E IN 50.88 ~~OUT 50.74~~ Type C

12+18 Sawmill Road

BELLAMAH AVE.

12" D.I. WATER

SIDEWALK

~~REMOVE EXISTING 8" STEEL WATER AND CONSTRUCT~~ 8" CI WATERLINE

~~REMOVE EXISTING 8" VCP SANITARY SEWER~~

~~Existing~~ 27" RCP Sanitary Sewer ~~(DO NOT DISTURB)~~

~~Remove existing~~ Storm Sewer

8th ST.

2" LP GAS

2" LP Gas

~~CONSTRUCT NEW~~ 4' DIA. SANITARY MANHOLE TYPE E INV. 51.60 ~~50~~

~~CONSTRUCT~~ (1) TYPE C DROP INLET AND 15" DIA. CLASS III RCP. S=1.00%

49+36.95

EQ: ~~48+37.25~~ Bk. =0+52.~~42~~ Ahd.

~~CONSTRUCT~~ 8' DIA. MANHOLE

INV. ~~49.70~~ TYPE E C 49.58

~~CONSTRUCT~~ (1) TYPE C DROP INLET AND 15" DIA. CLASS III RCP S=1.00%

BM 8-5
" □ " TOP CURB
S.E. CORNER CURB RETURN
8TH AND BELLAMAH
ELEV. 4958.35

~~Existing~~ 21" RCP Sanitary Sewer ~~(DO NOT DISTURB)~~

~~REMOVE 8" STEEL WATERLINE AND CONSTRUCT~~ 12" CI WATERLINE

~~REMOVE 8" STEEL WATERLINE AND~~ REPLACE WITH 12" CI WATERLINE

~~Existing~~ 21" RCP Sanitary Sewer ~~(DO NOT DISTURB)~~

~~CONSTRUCT~~ 8' DIA CLASS III RCP S=2.20%

~~CONSTRUCT~~ 4' DIA. MANHOLE TYPE E ~~OUT 48.64~~ IN 93.64

~~CONSTRUCT~~ (1) TYPE C DROP INLET AND 15" DIA. CLASS III RCP S=1.00%

~~CONSTRUCT~~ 8' DIA CLASS III RCP S=2.20%

~~CONSTRUCTION LIMITS~~

8th and BELLAMAH AVE.

SCALE: 1"= 10' HOR.
1"= 05' VERT.

66" Dia. Class III RCP

54" Dia. Class III RCP

S=.136%

Inv. 48.58

Inv. 49.70

Inv. 49.58

Inv. 49.79

48+50 49+00 1+00

SCALE: 1" = 10'

33.00'

(1) Type C Drop Inlet And 15" Dia. Class III RCP S=1.00%

58.41

SIDEWALK

2"LP Gas

12"CI Water

255.45' 54" Dia. Class III RCP S=2.85%

8'

58.35

2"LP Gas

12"CI Water

58.37

G"DI Water

58.34

(1) Type C Drop Inlet And 15" Dia. Class III RCP S=1.00%

6"CI Water

4" Steel Water

Plugged & Abandoned Storm Sewer

18" RCP Class III Stub

54" Dia. Class III RCP

8"VCP Sanitary Sewer

8"VCP Sanitary Sewer

58.80 Rim

31.35'

7th Street

EQ. 3+07.56 Bk = 3+21.88 Ahd.
90° Junction Box Inv. 49.30 And 4' Manhole Type B on Top of Junction Box.

21" RCP Sanitary Sewer

58.58 Rim Inv. 49.63

4' Dia Manhole Type C Inv. 52.70

8" DI

34.35'

58.35

4" CP Gas

4" LP Gas

58.42

58.32

(1) Type C Drop Inl. And 15" Dia. Class III RCP S=1.00%

(1) Type C Drop Inlet And 15" Dia. Class III RCP S=1.00%

8"VCP Sanitary Sewer

12" CI Water

Bellamah Ave.

8" Steel Water

7th and BELLAMAH AVE.

~~AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

SCALE: 1" = 10' HOR.
1" = 05' VERT.

EQUATION Inv. 50+05 49.30

4965 4960 4955 4950 4945 4940

54" Dia. Class III RCP S=.125%

Inv. 49.45

Inv. 50.05

3+07.56 Bk. 3+21.88 Ahead

3+21.88 Ahead

S=.136%

S=.114%

Inv. 50.12

2+40 3+00 3+20

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE Sept. 19, 1978

AS BUILT

EDA PROJECT NO. 08-51-20459

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
B.M.# NOTED
NOTE BOOK
NO. STRUCTURE NOTATNS CHKD
BY DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.# NOTED
NOTE BOOK
NO. STRUCTURE NOTATNS CHKD
BY DATE

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

CITY of ALBUQUERQUE
NEW MEXICO

Project No. CIP 444-66-018

Seal

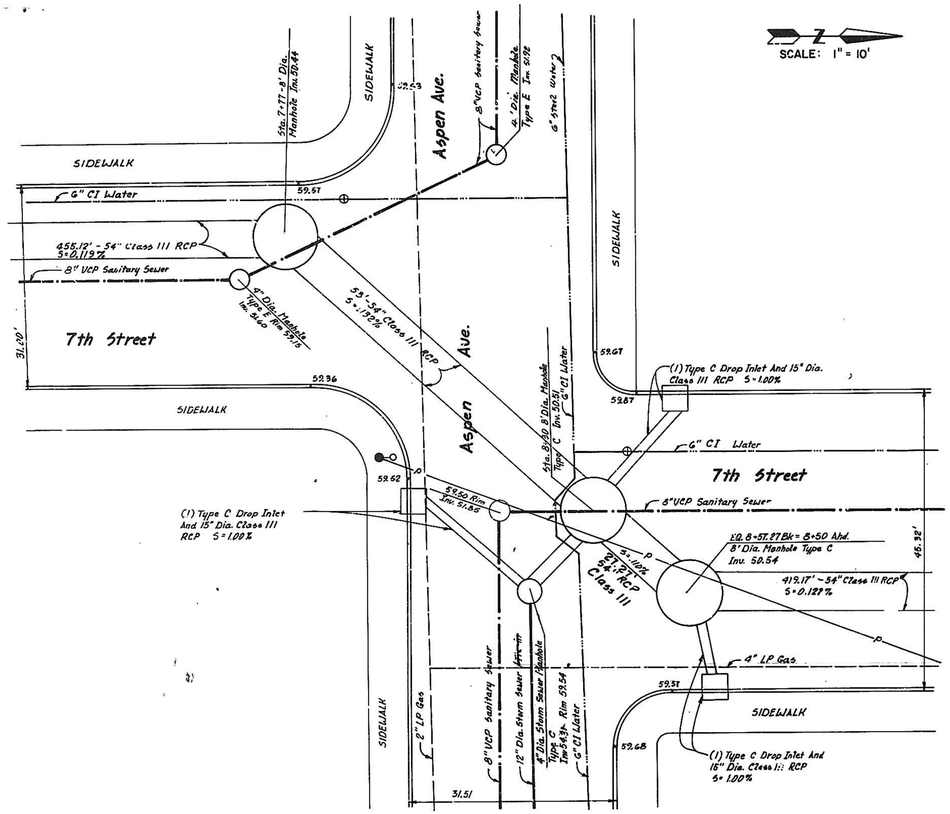
METROPOLITAN STORM SEWER EXTENSION

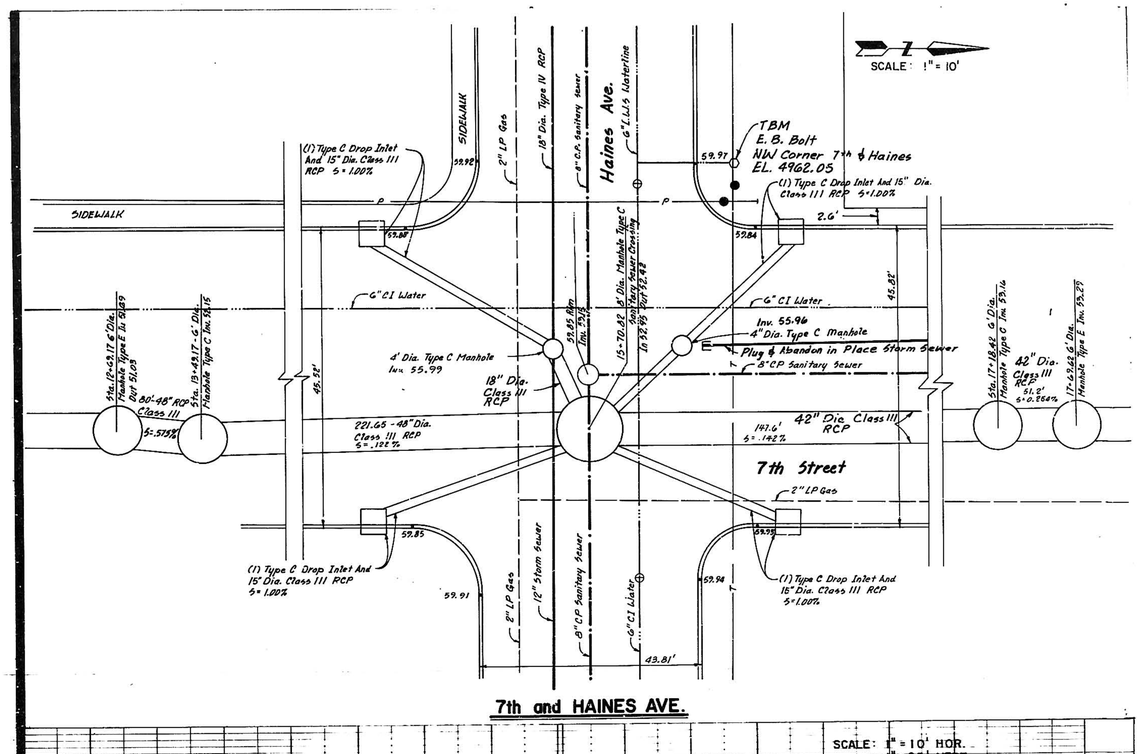
66"a 54" R.C.P. STORM SEWER
8" SANITARY SEWER - BELLAMAH AVE.

Job No. 73-143/76	Sheet 11 Of 16		
Drawn By: S.V.S.	Date: SEPT. 1977		
Checked By: C.J.M.	Scale: AS SHOWN		

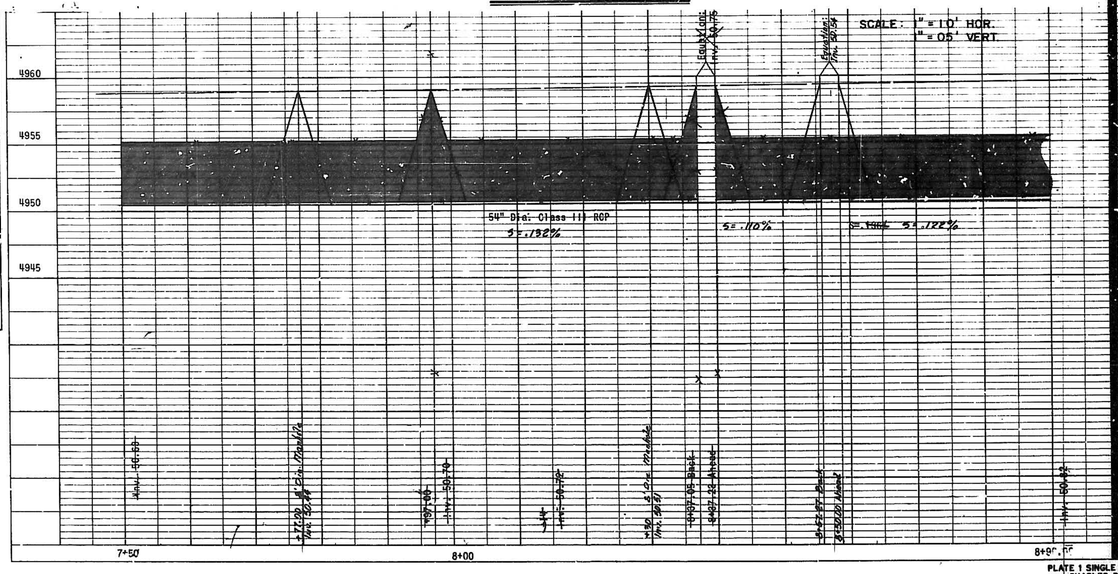
DATE | Revision | By



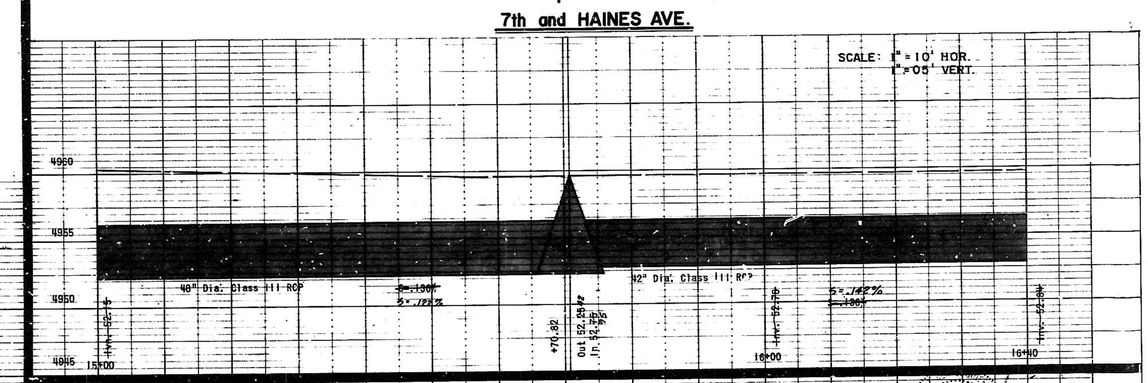




7th and ASPEN AVE.



7th and HAINES AVE.



APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
Name
Date

Date Sept. 19, 1977 AS BUILT

EDA PROJECT NO. 08-51-20459

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE
STRUCTURE NOTATIONS CHKD

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUHING CO.
MADE IN U.S.A.

CITY of ALBUQUERQUE
NEW MEXICO

Project No. CIP 444-66-018

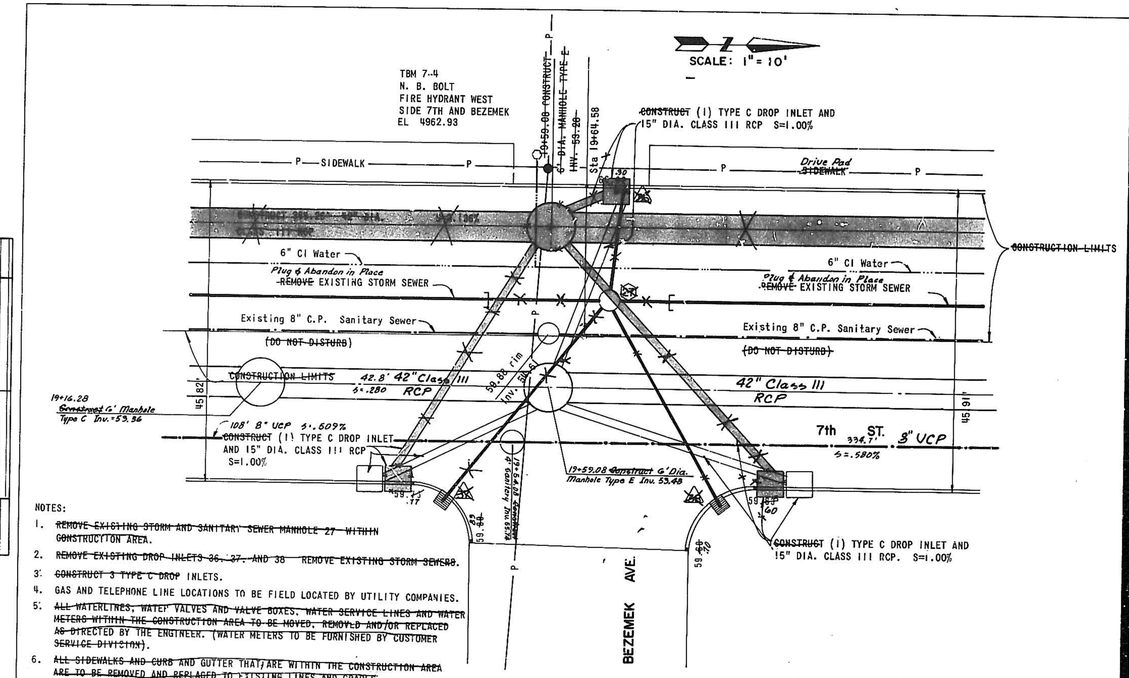
Seal

METROPOLITAN STORM SEWER EXTENSION

54", 48", & 42" R.C.P. STORM SEWER
8" SANITARY SEWER - 7TH STREET

Job No. 73-143/76	Sheet 12 Of 16
Drawn By: S.V.S.	Date: SEPT., 1977
Checked By: C.J.M.	Scale: AS SHOWN

Date | Revision | By

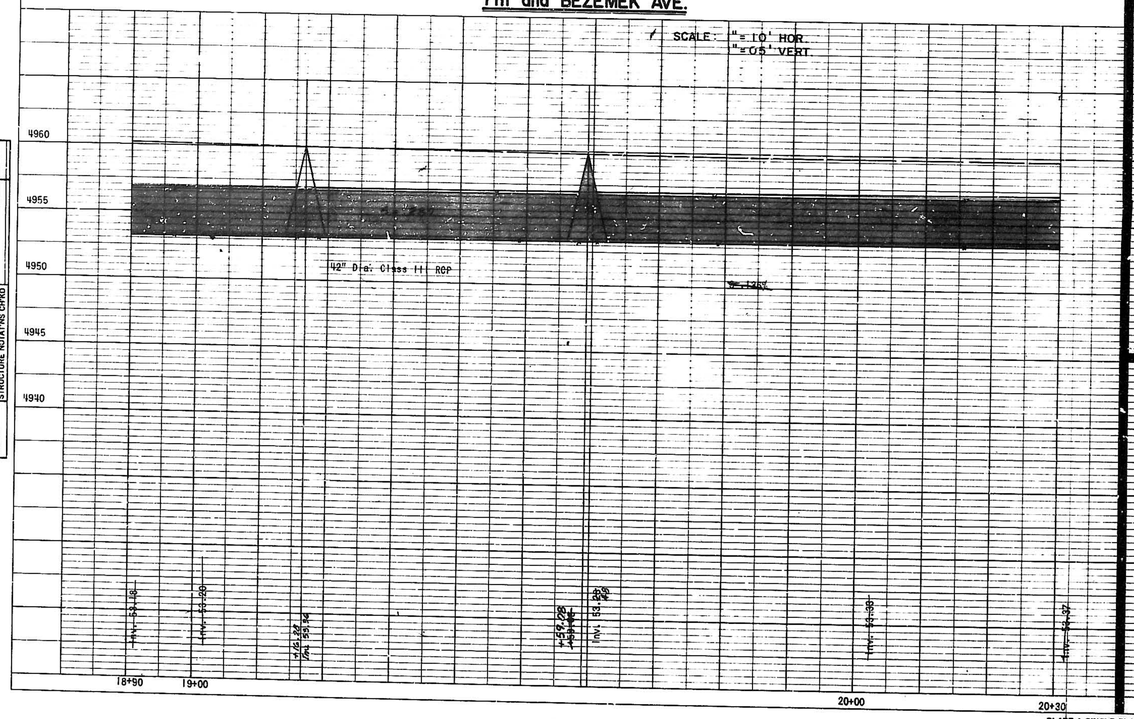


NOTES:

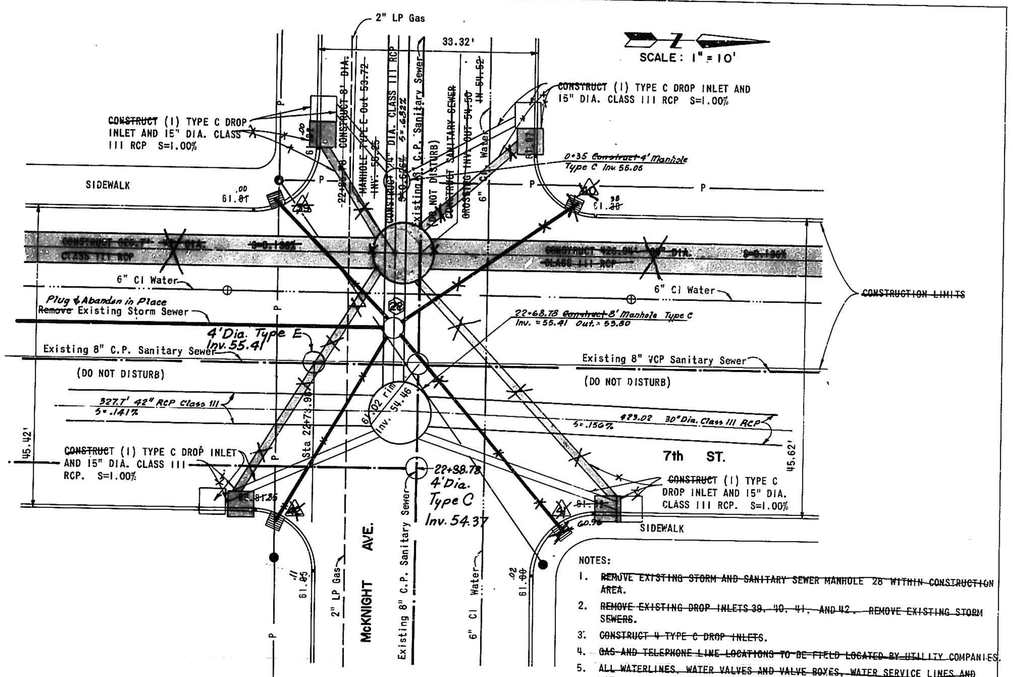
1. ~~REMOVE EXISTING STORM AND SANITARY SEWER MANHOLE 27 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLETS 36, 37, AND 38 REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 3 TYPE C DROP~~ INLETS.
4. GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.
5. ~~ALL WATERLINES, WATER VALVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION).~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
PLOT MAP CHECKED
NOTE BOOK NO.
BY
DATE

7th and BEZEMEK AVE.



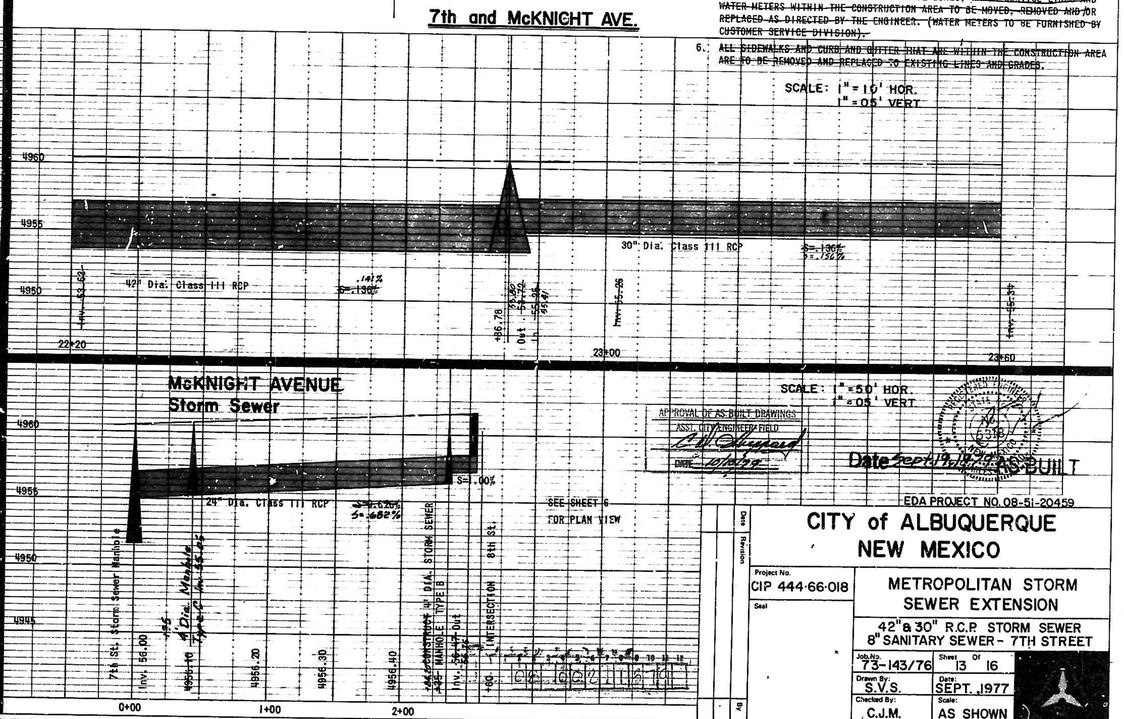
PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.= NOTED
STRUCTURE LOCATING CHKD
NOTE BOOK NO.
BY
DATE



NOTES:

1. ~~REMOVE EXISTING STORM AND SANITARY SEWER MANHOLE 28 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLETS 39, 40, 41, AND 42. REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 4 TYPE C DROP INLETS.~~
4. ~~GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.~~
5. ~~ALL WATERLINES, WATER VALVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION).~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

7th and McKNIGHT AVE.



PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.= NOTED
STRUCTURE LOCATING CHKD
NOTE BOOK NO.
BY
DATE

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER/FIELD
Date Sept 19, 1977

AS BUILT

SEE SHEET 6 FOR PLAN VIEW

EDA PROJECT NO. 08-51-20459

CITY of ALBUQUERQUE NEW MEXICO

Project No. CIP 444-66-018

Seal

METROPOLITAN STORM SEWER EXTENSION

42"ø & 30" R.C.P. STORM SEWER & 8" SANITARY SEWER - 7TH STREET

Job No. 73-143/76	Sheet 13 Of 16
Drawn By: S.V.S.	Date: SEPT. 1977
Checked By: C.J.M.	Scale: AS SHOWN

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

NOTES:

1. ~~REMOVE EXISTING STORM SEWER MANHOLE #29 WITHIN CONSTRUCTION AREA.~~
2. ~~REMOVE EXISTING DROP INLET 43. REMOVE EXISTING STORM SEWERS.~~
3. ~~CONSTRUCT 2 TYPE C DROP INLETS AND 2 TYPE DOUBLE C DROP INLETS.~~
4. ~~GAS AND TELEPHONE LINE LOCATIONS TO BE FIELD LOCATED BY UTILITY COMPANIES.~~
5. ~~ALL WATERLINES, WATER VALVES AND VALVE BOXES, WATER SERVICE LINES AND WATER METERS WITHIN THE CONSTRUCTION AREA TO BE MOVED, REMOVED AND OR REPLACED AS DIRECTED BY THE ENGINEER. (WATER METERS TO BE FURNISHED BY CUSTOMER SERVICE DIVISION)~~
6. ~~ALL SIDEWALKS AND CURB AND GUTTER THAT ARE WITHIN THE CONSTRUCTION AREA ARE TO BE REMOVED AND REPLACED TO EXISTING LINES AND GRADES.~~

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK NO., BY, DATE

SCALE: 1" = 20'

TBM 7-5
"+" N. B. BOLT
FIRE HYDRANT
SW CORNER 7TH
AND FRONTAGE
EL. 4964.10

~~CONSTRUCT~~ 417.44' ~~30" DIA.~~ ~~S=0.136%~~ CLASS III RCP

2" MP Gas

6" CI Water

8" VCP Sanitary sewer

Rim El. 59.49 Inv. 55.49

Rim El. 59.50 Inv. 55.50

Asphalt Pavement

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

7th ST

45.60'

6' SIDEWALK

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

26+42 4' Manhole Type C Inv. =56.07

~~CONSTRUCT~~ (1) TYPE DOUBLE C DROP INLET INV. EL. OUT 57.50

~~CONSTRUCT~~ 4' DIA. TYPE B MANHOLE INV. 57.20

27+01.50 4' Manhole Type C Inv. 56.13

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

~~CONSTRUCT~~ (1) TYPE DOUBLE C DROP INLET INV. EL. OUT 57.50

Sta 26+85.12

~~CONSTRUCT~~ 4' DIA. TYPE B INV. 55.81 (12" CI)

12"x12" ~~CONSTRUCT~~ 4' DIA. TYPE B INV. 56.39

~~CONSTRUCT~~ 4' DIA. TYPE B INV. 56.39

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

~~CONSTRUCT~~ (1) TYPE DOUBLE C DROP INLET INV. EL. OUT 57.50

37.66'

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

~~CONSTRUCT~~ (1) TYPE DOUBLE C DROP INLET INV. EL. OUT 57.50

~~MANHOLE TYPE A~~ ~~INV. IN 56.07~~ ~~INV. OUT 55.97~~ ~~INV. IN 56.20~~ 56.18

12" MP Gas

~~CONSTRUCT~~ 30" DIA. CLASS III RCP

Expansion Joint

FRONTAGE RD.

Concrete Pavement

~~(NO WORK THIS CONTRACT)~~

8" C.P. Sanitary Sewer

~~CONSTRUCT~~ 4' DIA. TYPE B MANHOLE INV. 57.20

27+01.50 4' Manhole Type C Inv. 56.13

~~4" MP Gas~~

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

~~CONSTRUCT~~ (1) TYPE DOUBLE C DROP INLET INV. EL. OUT 57.50

~~4" LP Gas~~

~~4" MP Gas~~

Existing 8" C.P. Sanitary Sewer

7th and FRONTAGE RD.

SCALE: 1" = 20' HOR.
1" = 05' VERT.

4965
4960
4955
4950

30" Dia. Class III RCP

S= ~~1.36%~~ 1.65%
30" Dia. Class III RCP

24" Dia. Class III RCP

S= ~~1.00%~~ 1.10%

18" Dia. Class III RCP S=1.00%

Inv. 56.88

Inv. 56.27

26+00
27+00
28+00
29+00

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK NO., BY, DATE, STRUCTURE NOTATING GIVEN

PLATE 1 SINGLE PENN - PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

125

SCALE=1"=20'

~~CONSTRUCT~~ 4' DIA. MANHOLE
22+35.22 38°52'32" TYPE B INV. OUT 56.32
INV. IN 56.70

20" RCP
8" LWS
20" CIP
12" CI
8th ST.

8" CI
12" CI

~~CONSTRUCT~~ 125' OF 24" DIA. CLASS III RCP S=~~1.36%~~ 1.10%

Chain Link Fence

~~CONSTRUCT~~ 15" CLASS III RCP S=1.00%

~~CONSTRUCT~~ (1) TYPE C DROP INLET

~~CONSTRUCT~~ (1) TYPE C DROP INLET

Expansion Joint

~~CONSTRUCT~~ 15" DIA. CLASS III RCP S=1.00%

CONCRETE PAVEMENT

FRONTAGE RD.

8th and FRONTAGE RD.

SCALE: 1" = 20' HOR.
1" = 05' VERT.

4965
4960
4955
4950

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 1/10/78

Date Sept 19 1977 AS-BUILT

EDA PROJECT NO. 08-51-20459

Date	Revision	By

CITY of ALBUQUERQUE
NEW MEXICO

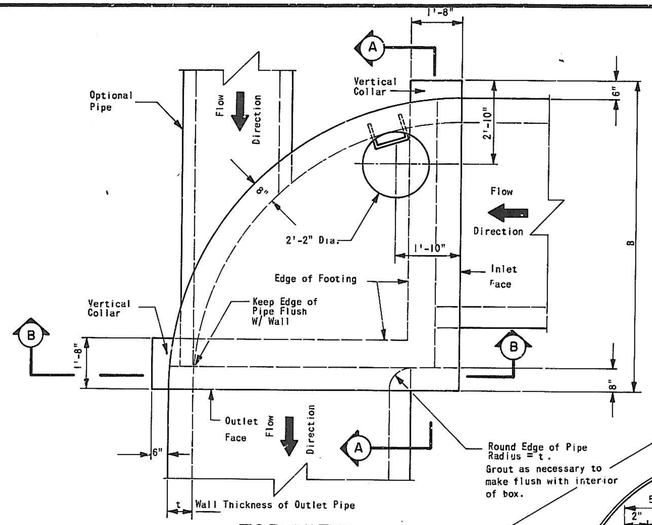
Project No. CIP 444-66-018

Seal

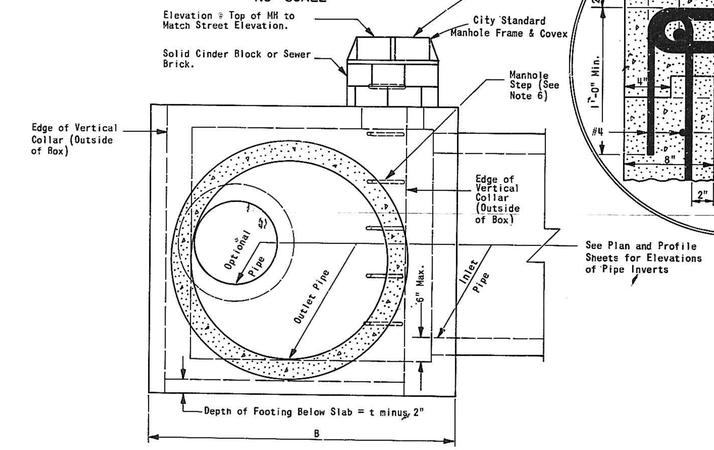
METROPOLITAN STORM SEWER EXTENSION

30" R.C.P. STORM SEWER
7 TH STREET

Job No. 73-143/76	Sheet 13 Of 16
Drawn By: S.V.S.	Date: AUG. 1977
Checked By: C.J.M.	Scale: AS SHOWN

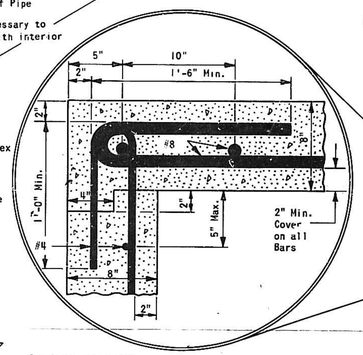


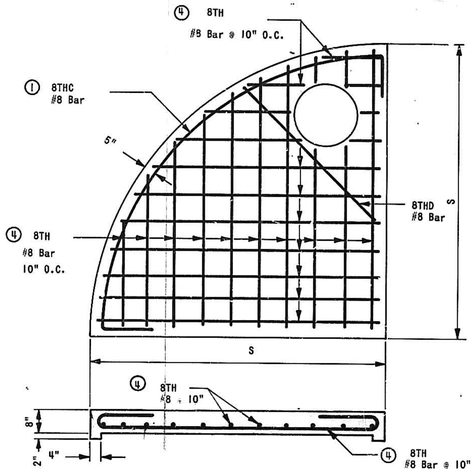
TOP VIEW
NO SCALE



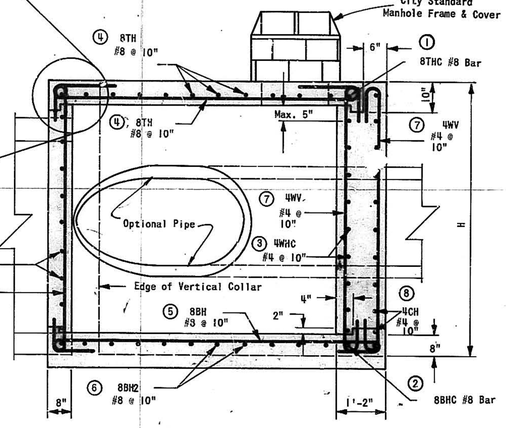
END VIEW
NO SCALE

CONTRACTOR SHALL CONSTRUCT MANHOLE ON TOP OF THE JUNCTION BOX. TO THE DIMENSIONS REQUIRED BY THE ENGINEER. SUCH MANHOLE SHALL BE CONSIDERED AS AN INTEGRAL PART OF THE JUNCTION BOX AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS MANHOLE.

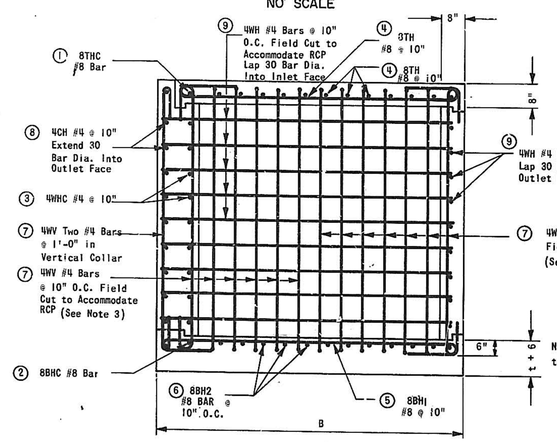




TOP SLAB BAR DETAILS
NO SCALE

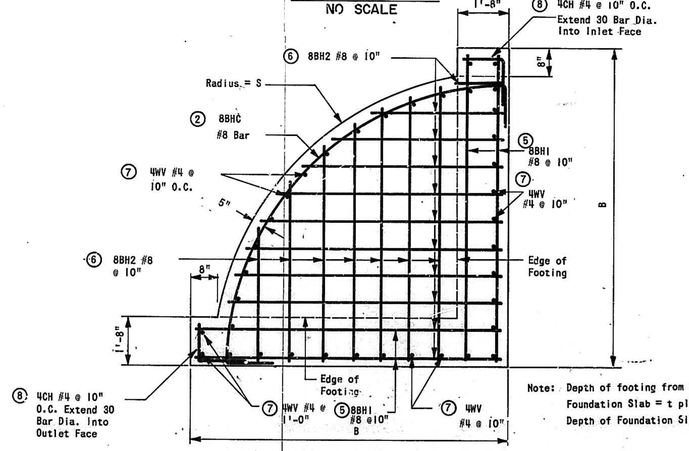


SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

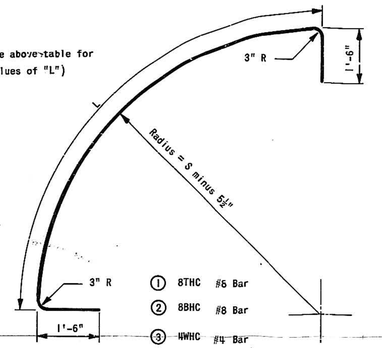
Note: t = Wall thickness of Outlet Pipe. See table this Sheet.



Note: Depth of footing from top of Foundation Slab = t plus 6"
Depth of Foundation Slab = 8"

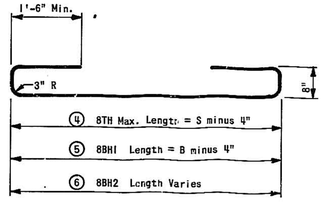
FOUNDATION BAR DETAILS
NO SCALE

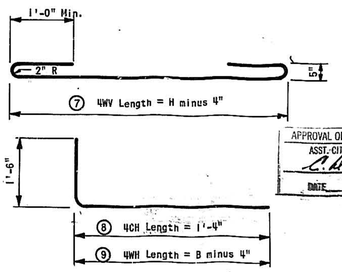
RT. ANGLE PIPE DIA. OUT/IN	S	B	H	t	L	CONCRETE CU.YD.	STEEL, LBS.
48/48	6'-3½"	6'-9½"	6'-3⅜"	5⅜"	9'-1"	4.05	1173
54/48	6'-10½"	7'-4½"	6'-10⅜"	6⅛"	10'-0"	4.77	1288
54/54	6'-10½"	7'-4½"	6'-10⅜"	6⅛"	10'-0"	4.73	1288
60/48	7'-5½"	7'-11½"	7'-4⅜"	6⅞"	10'-1"	5.57	1448
60/54	7'-5½"	7'-11½"	7'-4⅜"	6⅞"	10'-1"	5.53	1448
60/60	7'-5½"	7'-11½"	7'-4⅜"	6⅞"	10'-1"	5.49	1448
66/54	8'-0½"	8'-6½"	7'-11⅛"	7⅝"	11'-10"	6.42	1635
66/60	8'-0½"	8'-6½"	7'-11⅛"	7⅝"	11'-10"	6.38	1635
66/66	8'-0½"	8'-6½"	7'-11⅛"	7⅝"	11'-10"	6.34	1635
72/60	8'-7½"	9'-1½"	8'-5⅜"	7⅜"	12'-9"	7.35	1800
72/66	8'-7½"	9'-1½"	8'-5⅜"	7⅜"	12'-9"	7.31	1800
72/72	8'-7½"	9'-1½"	8'-5⅜"	7⅜"	12'-9"	7.27	1800
78/66	9'-2½"	9'-8½"	9'-0⅛"	8⅛"	13'-8"	8.29	2011
78/72	9'-2½"	9'-8½"	9'-0⅛"	8⅛"	13'-8"	8.25	2011
78/78	9'-2½"	9'-8½"	9'-0⅛"	8⅛"	13'-8"	8.21	2011

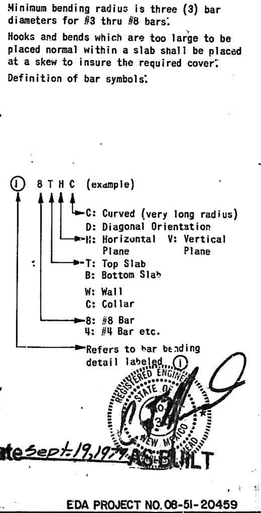


NOTES:

1. All deformed reinforcing bars shall be of Grade 60 Billet Steel conforming to ASTM A 615-68.
2. Lap shall be at least 30 bar diameters. Do not lap steel at bends or hooks.
3. Field cut rebar where required to receive RCP or manhole. Use #4 Bar to join cut ends together around entire opening.
4. Rebar shall have 2" of concrete cover from edge of bar to edge of concrete unless otherwise noted.
5. Concrete shall be designed for a minimum of 3000 PSI Compressive Loading and shall comply with the Uniform Standard Specifications for Public Works Construction for New Mexico, Section 100 and 500. Aggregate size shall not exceed 3".
6. Manhole steps shall be of Aluminum Alloy at 16" O.C. with bottom step not greater than 2'-0" from floor of junction box.
7. t is the wall thickness of the outlet pipe.
8. See plan and profile sheets for sizes of RCP.
9. All steel dimensions are given out to out except that the bending radius is given to the inside edge of the bar.
10. Minimum bending radius is three (3) bar diameters for #3 thru #8 bars.
11. Hooks and bends which are too large to be placed normal within a slab shall be placed at a skew to insure the required cover.
12. Definition of bar symbols.







BAR BENDING DETAILS
NO SCALE

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 12/10/79

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO

Date Sept. 19, 1979 AS BUILT

EDA PROJECT NO. 08-51-20459

CITY OF ALBUQUERQUE
NEW MEXICO

Project No. CIP 444-66-018

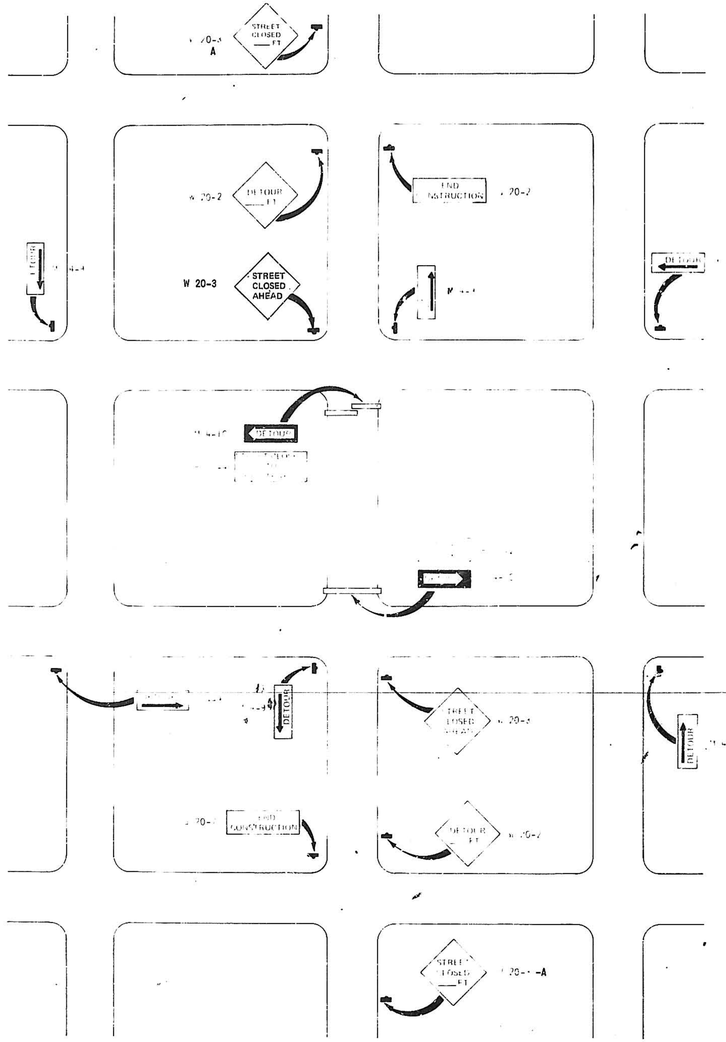
METROPOLITAN STORM SEWER EXTENSIONS

90° JUNCTION BOX

Job No. 73-143
Sheet 15 Of 16
Drawn By: J.D.J.
Date: SEPT. 1977
Checked By: R.W.M.
Scale: AS SHOWN

Date | Revision

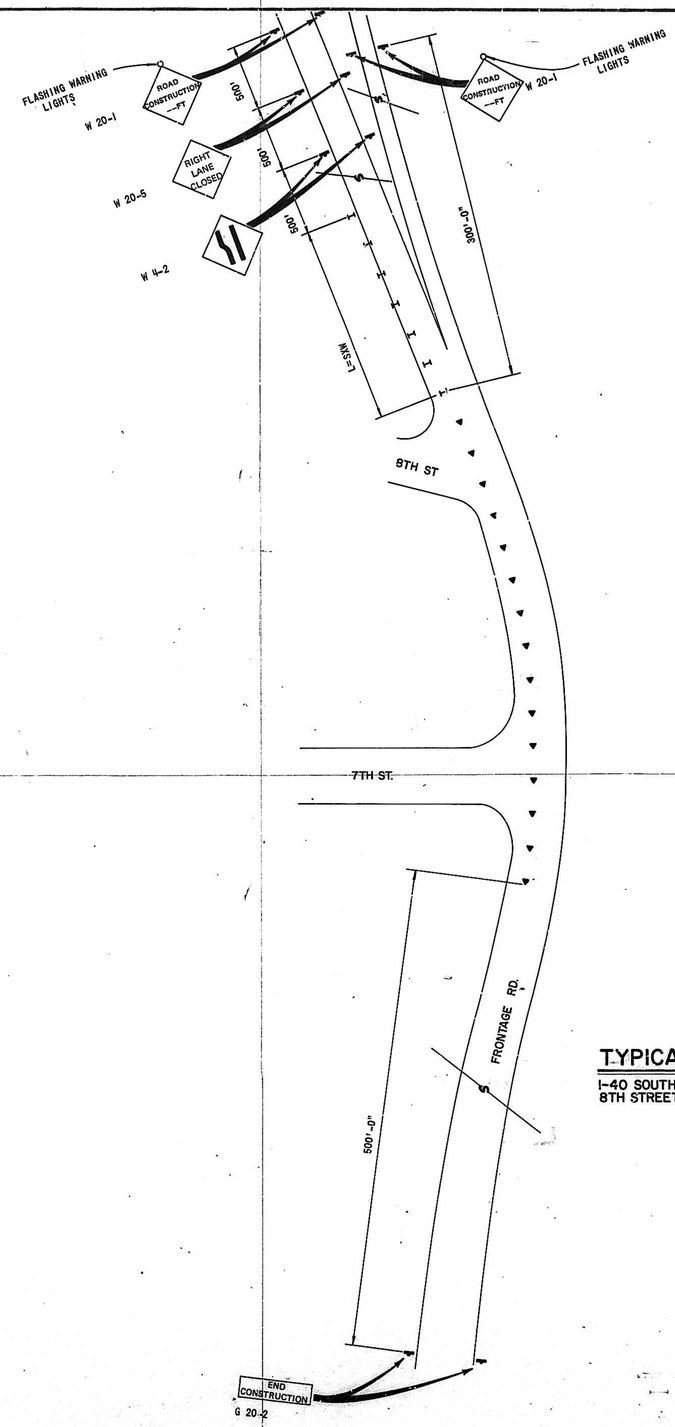
dgl 12/17/79



TYPICAL DETOUR SCHEMATIC FOR:

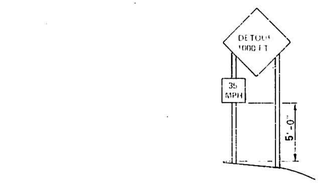
All INTERSECTIONS WITHIN CONSTRUCTION AREA EXCEPT 12TH ST. & SAW MILL RD. (See Note 8) FRONTAGE RD. & 8TH ST. FRONTAGE RD. & 7TH ST.

2 ADVANCE WARNING SIGNS, W-20-3-A, AT LOW TRAFFIC VOLUME INTERSECTIONS IS ACCEPTABLE. LOW TRAFFIC VOLUME INTERSECTIONS SHALL INCLUDE ALL INTERSECTIONS EXCEPT 12TH AND SAWMILL ROAD, FRONTAGE ROAD AND 8TH, FRONTAGE ROAD AND 7TH, 8TH AND MOUNTAIN ROAD, AND BELLAMAH @ 7TH AND 8TH.

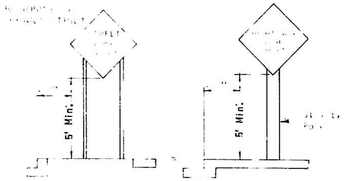


TYPICAL DETOUR SCHEMATIC FOR:

I-40 SOUTH FRONTAGE ROAD AND 8TH STREET AND 7TH STEET



TYPICAL ADVISORY SPEED PLATE



TYPICAL ADVANCE WARNING SIGN INSTALLATIONS

NOTES:

1. The Contractor shall submit detailed Detour Schematic for each location to be approved by The Engineer and the City Traffic Engineering Division before construction starts. The Contractor shall also obtain a barricading permit from the Traffic Engineering Division before starting the barricading.
2. [illegible] and barricades shall be [illegible] sheeting. Barricades and [illegible] reflectorized.
3. [illegible] 48".
4. [illegible] for channelization [illegible] be equipped [illegible] hours of [illegible] warning signs shall have [illegible] of darkness.
5. [illegible] be done by the City [illegible] days notice shall be given.
6. All signing and barricading shall conform to the New Mexico Manual and Specifications for a Uniform System of Traffic Control Devices for streets and highways.
7. The Contractor shall provide and maintain all traffic channelization devices. No separate measurement or payment will be made for this work. This work shall be considered incidental to other contract items.
8. Traffic must be maintained on 12th.St. at all times with appropriate Traffic Control devices per Note 1 and 6.
9. Portable Signing is acceptable for this signing and shall be maintained by the contractor.

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
DATE 10/19/78

Date Sept. 19, 1978 AS-BUILT

EDA PROJECT NO. 08-51-20459

CITY of ALBUQUERQUE
NEW MEXICO

DETOUR SHEET

ALBUQUERQUE, NEW MEXICO

Job No.	73-143/76	16 16
Drawn	PVC, JDJ	SEPT. 1977
Checked	RPB CJM	NO SCALE

L = Minimum Length of Taper
S = Numerical Value of Speed Limits
W = Width of Offset

08 [illegible] 10 11 12

SHEET NUMBER 1