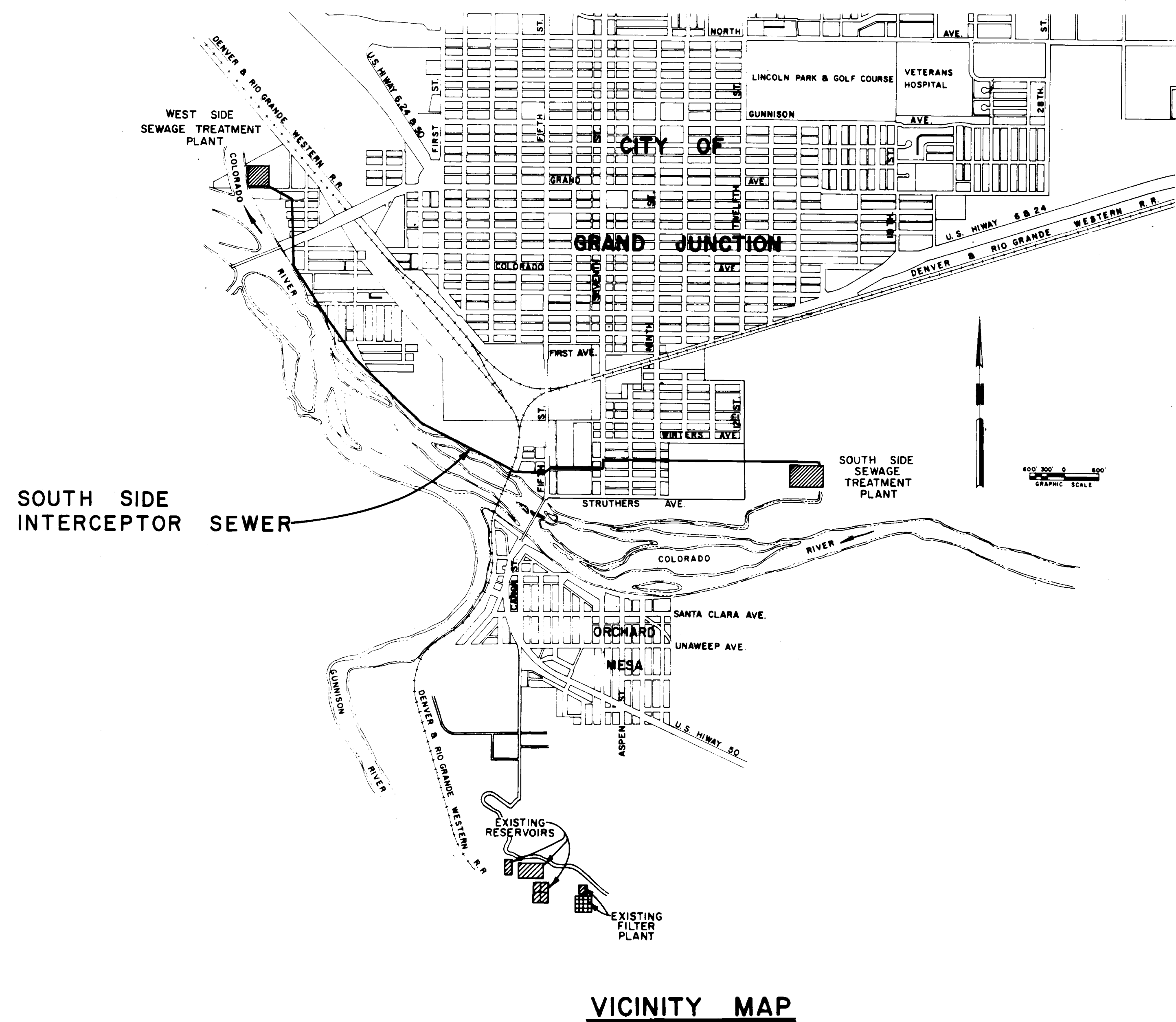


SEWER SYSTEM IMPROVEMENTS GRAND JUNCTION, COLORADO

SOUTH SIDE INTERCEPTOR SEWER 1969



INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	LOCATION MAP
2	PLAN AND PROFILE 0+00 to 17+00 SECTION II
3	PLAN AND PROFILE 17+00 34+00 SECTION II
4	PLAN AND PROFILE 34+00 51+00 SECTION II
5	PLAN AND PROFILE 51+00 68+00 SECTION II
6	PLAN AND PROFILE 68+00 76+33 SECTION II
	0+00 8+00 SECTION I
7	PLAN AND PROFILE 8+00 25+00 SECTION I
8	PLAN AND PROFILE 25+00 42+00 SECTION I
9	PLAN AND PROFILE 42+00 48+12.7 SECTION I
	MAIN STREET SPECIAL UNDERCROSSING
10	MISCELLANEOUS DETAILS

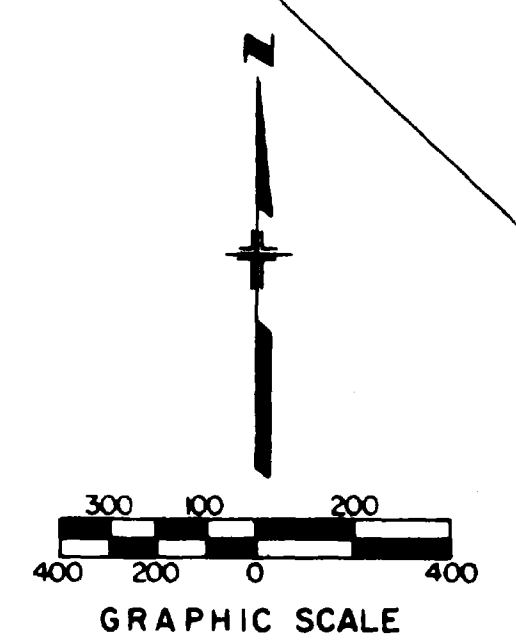
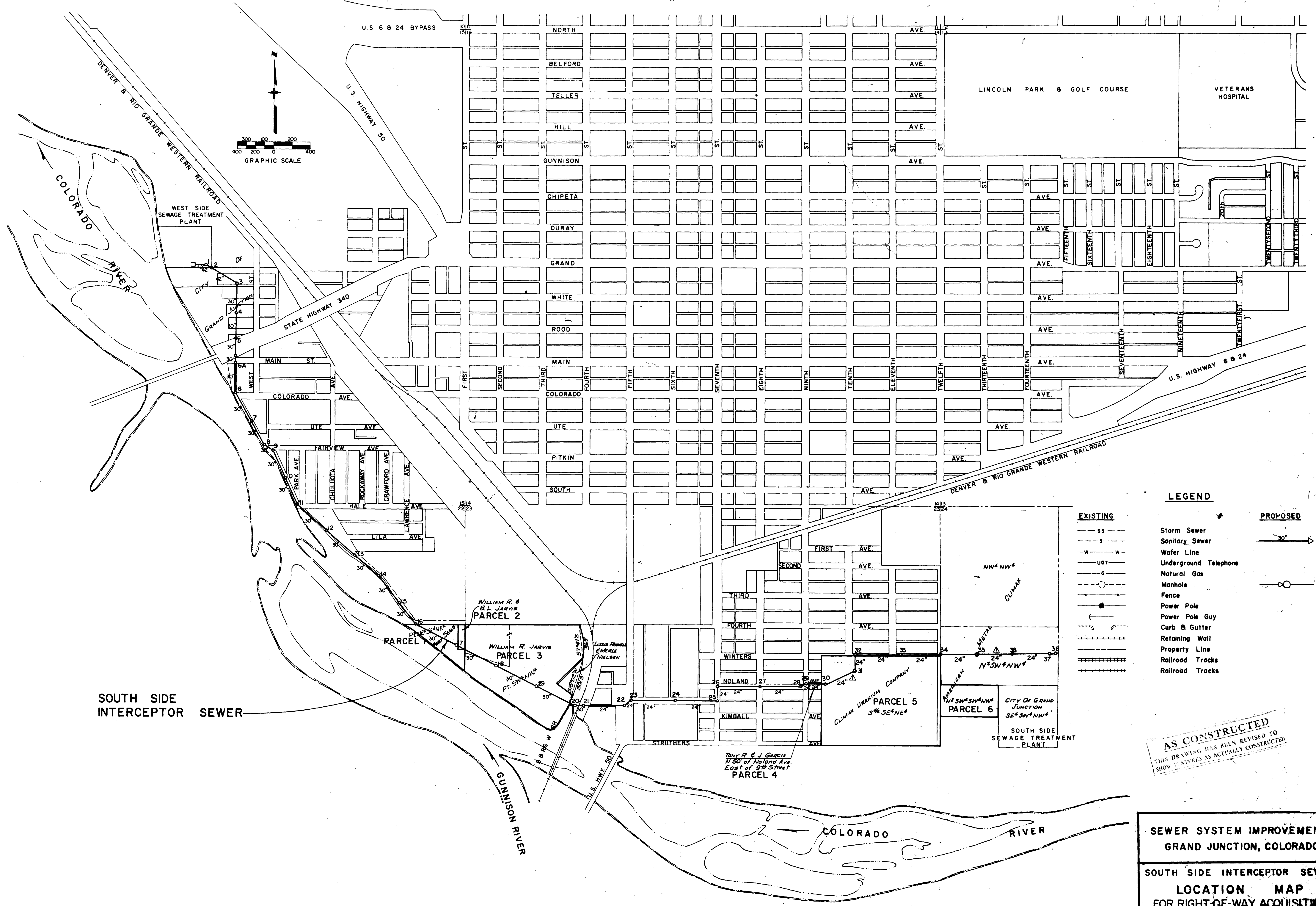
FILED WITH THE CITY OF GRAND JUNCTION, COLORADO JUNE 4, 1969

SUBMITTED: *[Signature]*
HENNINGSON, DURHAM & RICHARDSON, INC.

HENNINGSON, DURHAM & RICHARDSON
ENGINEERS • PLANNERS • CONSULTANTS
DENVER

AS CONSTRUCTED
DRAWING HAS BEEN REVISED TO
FEATURES AS ACTUALLY CONSTRUCTED





LEGEND

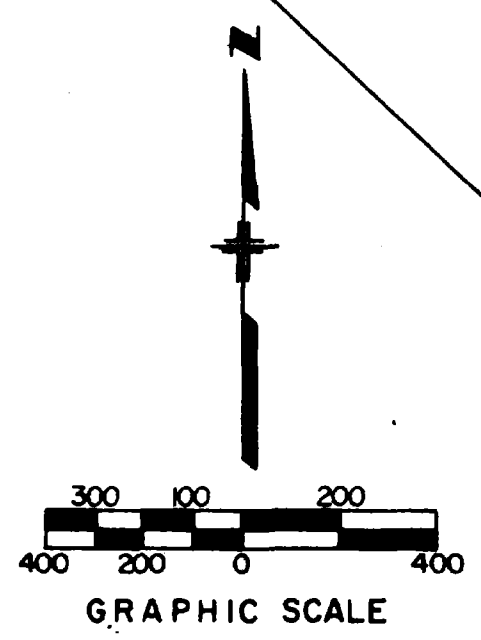
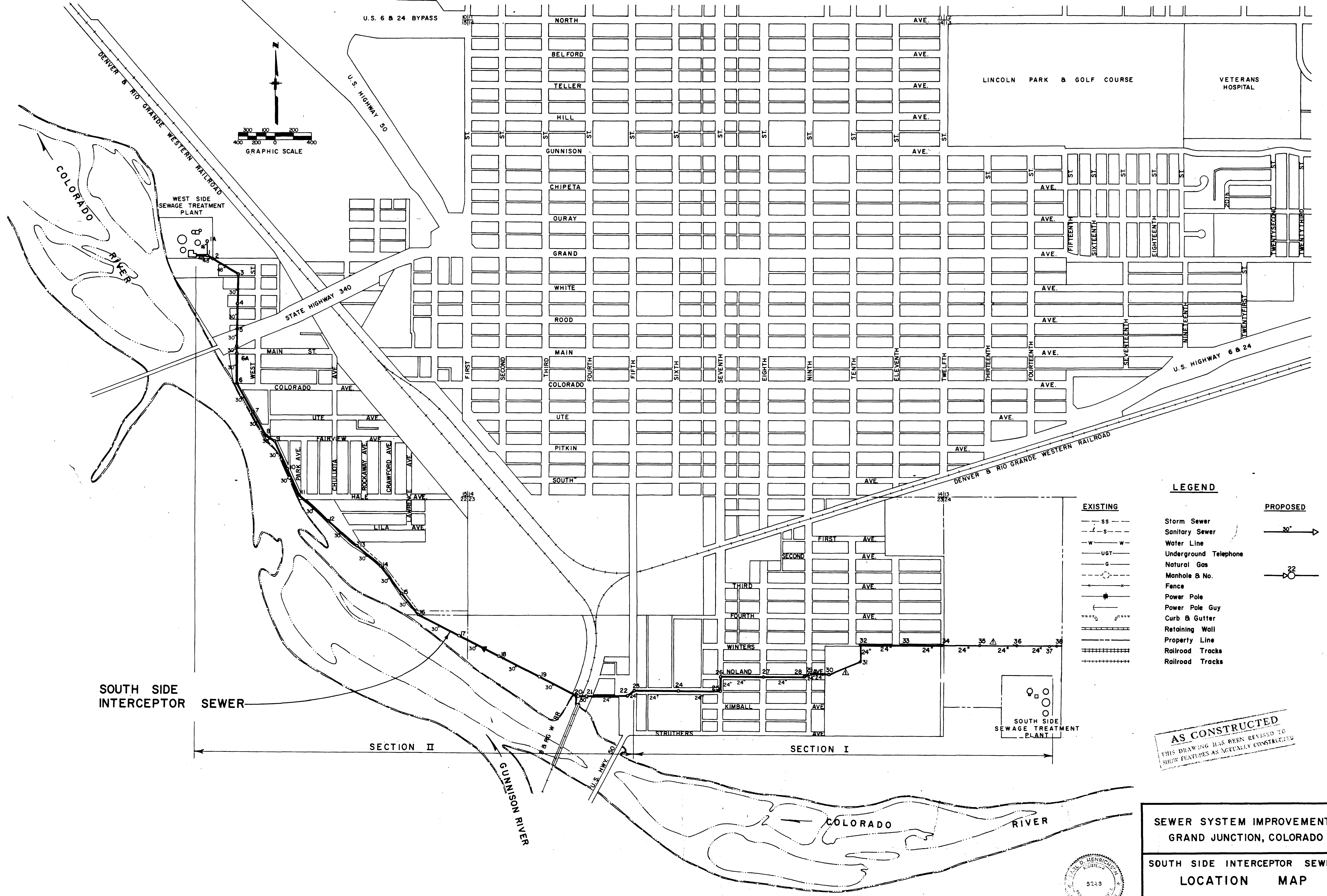
- | | | |
|-----------------|-----------------------|-----------------|
| EXISTING | | PROPOSED |
| --- ss --- | Storm Sewer | → 30" → |
| --- s --- | Sanitary Sewer | |
| --- w --- | Wafer Line | |
| --- ugt --- | Underground Telephone | |
| --- g --- | Natural Gas | |
| ○ | Manhole | |
| — x — | Fence | |
| ⋆ | Power Pole | |
| ⋆ | Power Pole Guy | |
| — | Curb & Gutter | |
| — | Retaining Wall | |
| — | Property Line | |
| — | Railroad Tracks | |
| — | Railroad Tracks | |

AS CONSTRUCTED
 THIS DRAWING HAS BEEN REVISED TO
 SHOW FEATURES AS ACTUALLY CONSTRUCTED

**SEWER SYSTEM IMPROVEMENTS
 GRAND JUNCTION, COLORADO**
**SOUTH SIDE INTERCEPTOR SEWER
 LOCATION MAP
 FOR RIGHT-OF-WAY ACQUISITION**

HERRINGSON, BURMAN & BERGMAN
 ENGINEERS - PLANNERS - ARCHITECTS
 1000 14TH STREET, GRAND JUNCTION, CO. 81501
 970-241-1111

DATE	DESCRIPTION	BY	APP'D
SEP-70	AS BUILT	A.T.	K.D.H.



LEGEND

EXISTING	PROPOSED
SS	Storm Sewer
S	Sanitary Sewer
W	Water Line
UGT	Underground Telephone
G	Natural Gas
Manhole & No.	Manhole & No.
Fence	Fence
Power Pole	Power Pole
Power Pole Guy	Power Pole Guy
Curb & Gutter	Curb & Gutter
Retaining Wall	Retaining Wall
Property Line	Property Line
Railroad Tracks	Railroad Tracks
	30"
	22"

AS CONSTRUCTED
 THIS DRAWING HAS BEEN REVISED TO
 SHOW FEATURES AS ACTUALLY CONSTRUCTED

SOUTH SIDE INTERCEPTOR SEWER

SECTION II

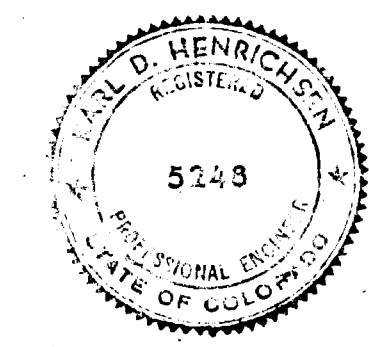
SECTION I

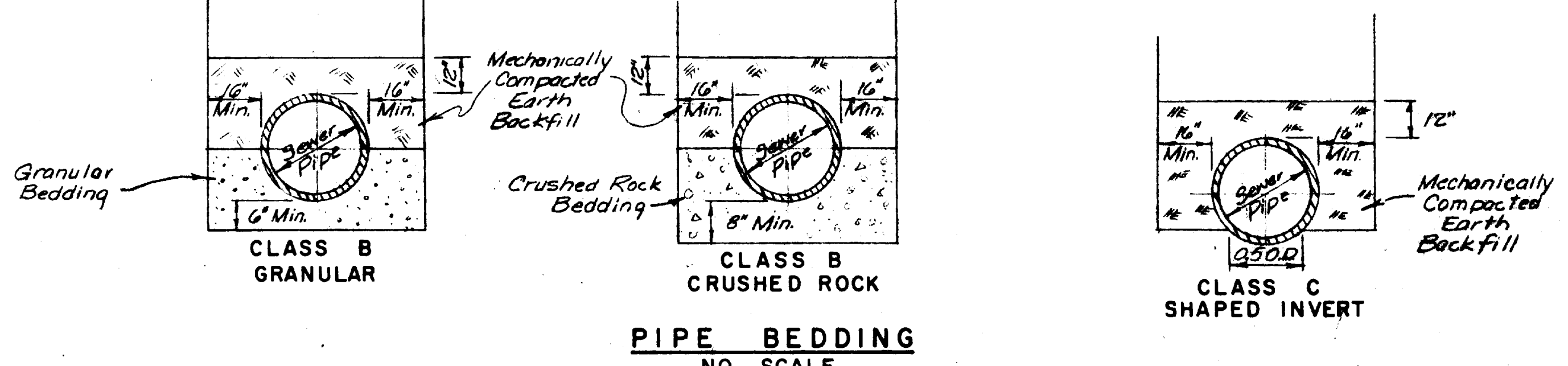
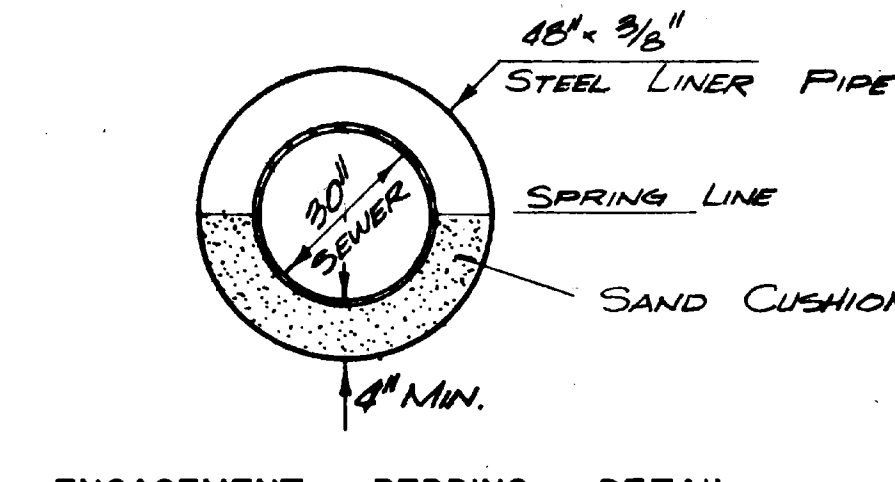
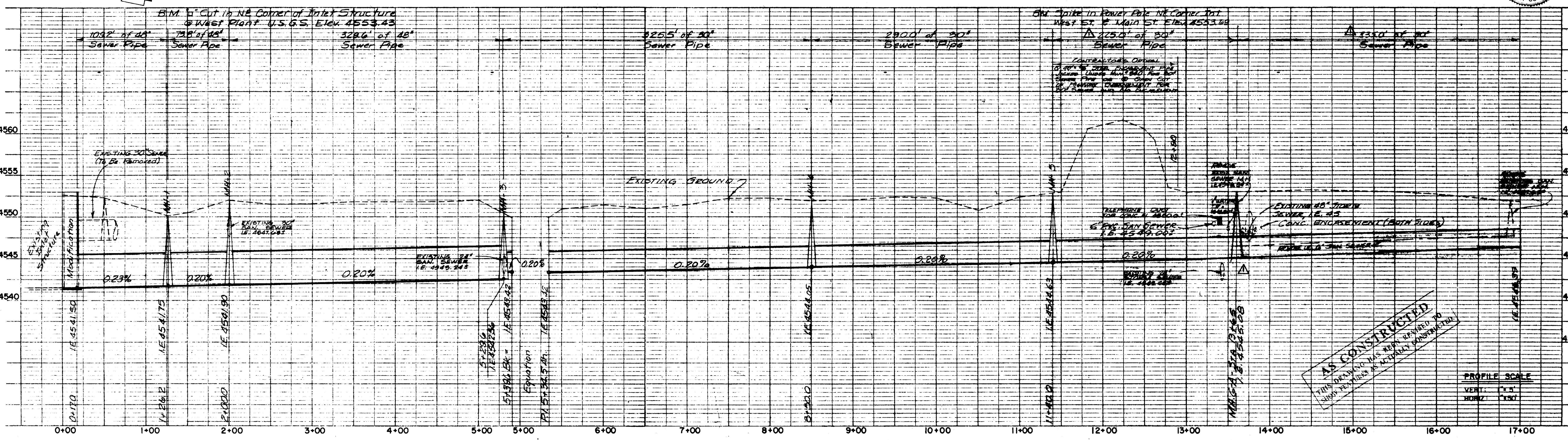
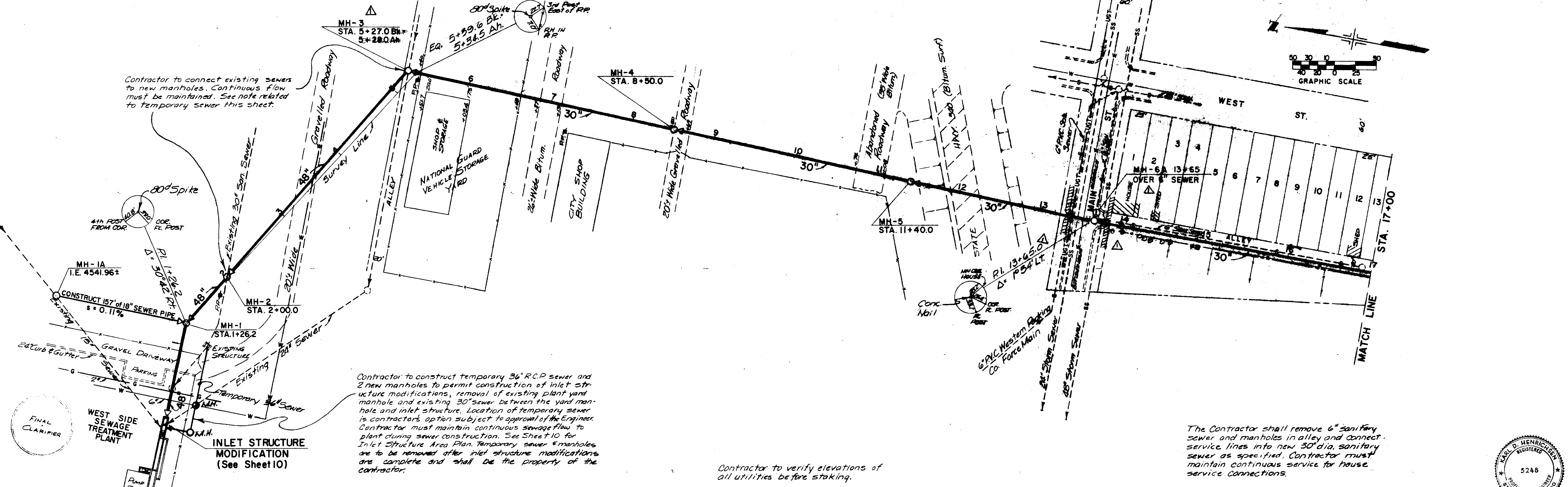
SOUTH SIDE SEWAGE TREATMENT PLANT

**SEWER SYSTEM IMPROVEMENTS
 GRAND JUNCTION, COLORADO**
**SOUTH SIDE INTERCEPTOR SEWER
 LOCATION MAP**

HENNINGSON, DURHAM & RICHARDSON, INC.
 ENGINEERS • PLANNERS • CONSULTANTS
 DENVER, COLORADO

1	1	SEP 70	AS BUILT	A.T.	K.D.H.	732610	DESIGNED E.A.B.	CHECKED K.D.H.	APPROVED W.L.B.	DATE JUN 4, 1969	1	10
2				MADE	APPROV		DETAILED E.A.B.					





Notes: Class B Granular Bedding shall be used in stable foundation conditions. Class B Crushed Rock Bedding shall be used, as directed by the Engineer, in unstable foundation conditions.

All backfill under roadways is to be mechanically compacted to the ground surface and to the densities prescribed in the specifications.

NO.	DATE	DESCRIPTION	REVISIONS	A.T.	K.D.H.	MADE	APPROV.
1							
2							

SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

SOUTH SIDE INTERCEPTOR SEWER (SECTION II)

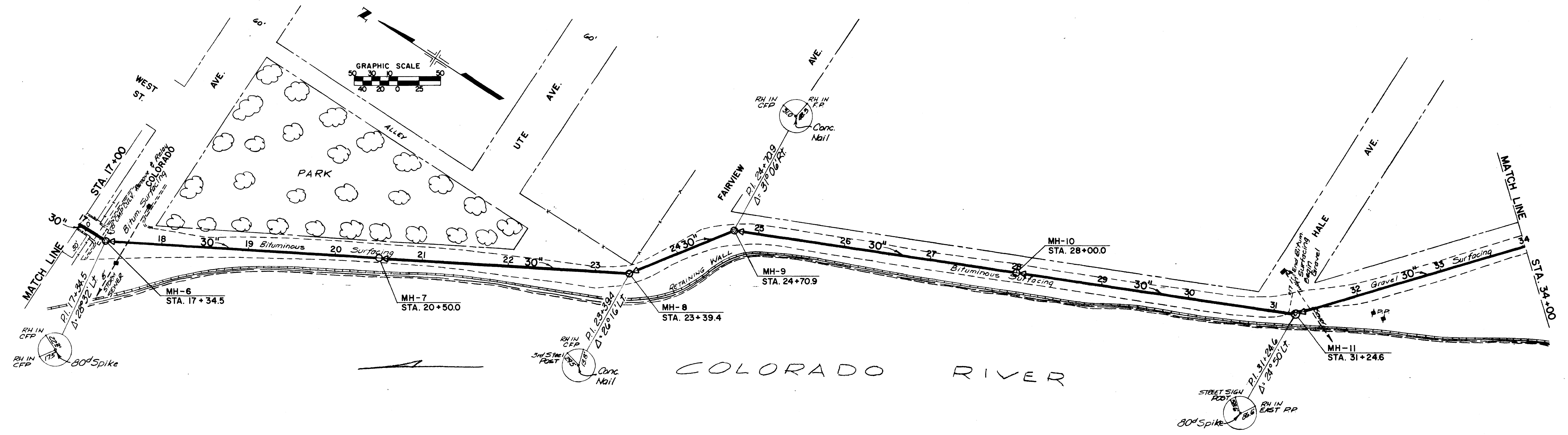
PLAN and PROFILE
STA. 0+00 to STA. 17+00

HENNINGSON, DURHAM & RICHARDSON, INC.
ENGINEERS - ARCHITECTS
DENVER, COLORADO

JOB NO. 732610
DESIGNED E.A.B.
CHECKED K.D.H.
APPROVED W.L.S.
DATE June 5, 1952

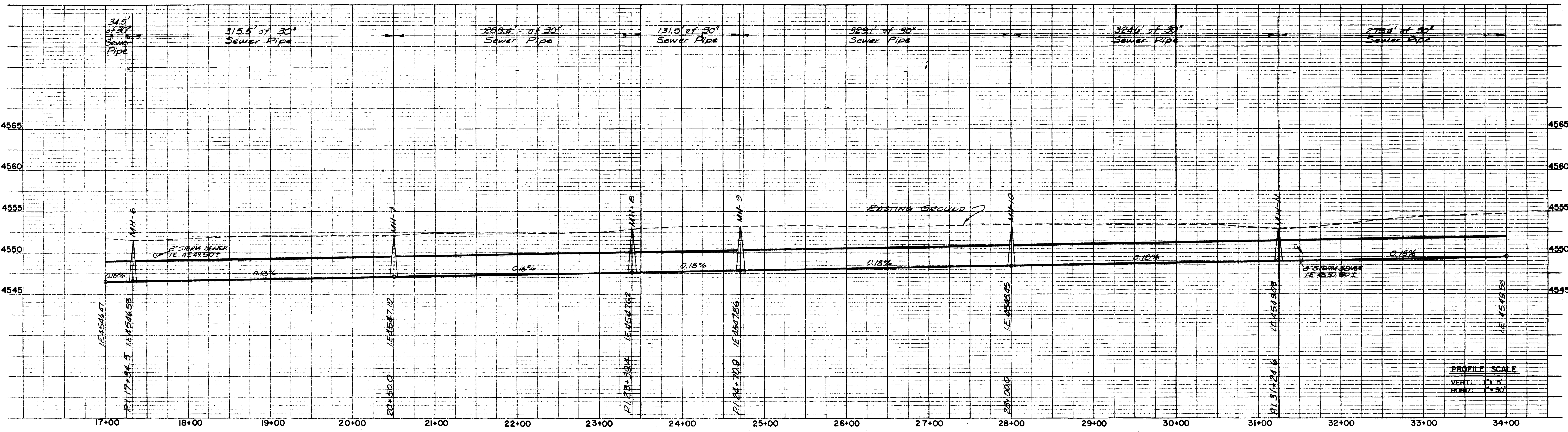
2 OF 10





Remove & Relay 8" Corr. Metal Storm Sewer at Sta. 17+60± as necessary for sanitary sewer construction.

Remove & Relay 8" Corr. Metal Storm Sewer at Sta. 31+40± as necessary for sanitary sewer construction.



AS CONSTRUCTED
THIS DRAWING HAS BEEN REVISED TO SHOW FEATURES AS APPLIED IN THE FIELD.



SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

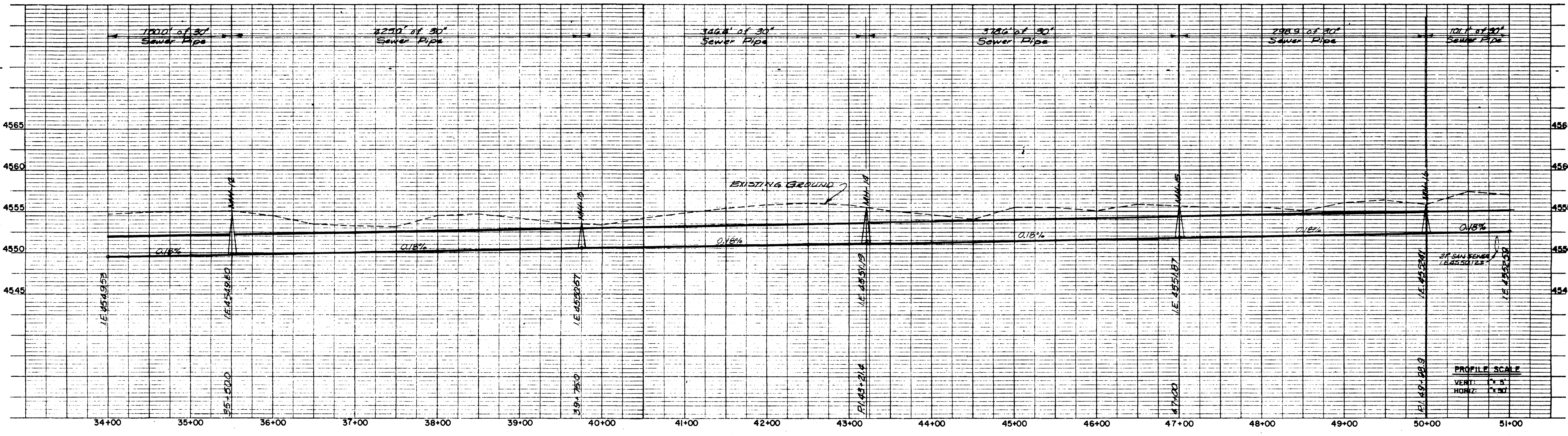
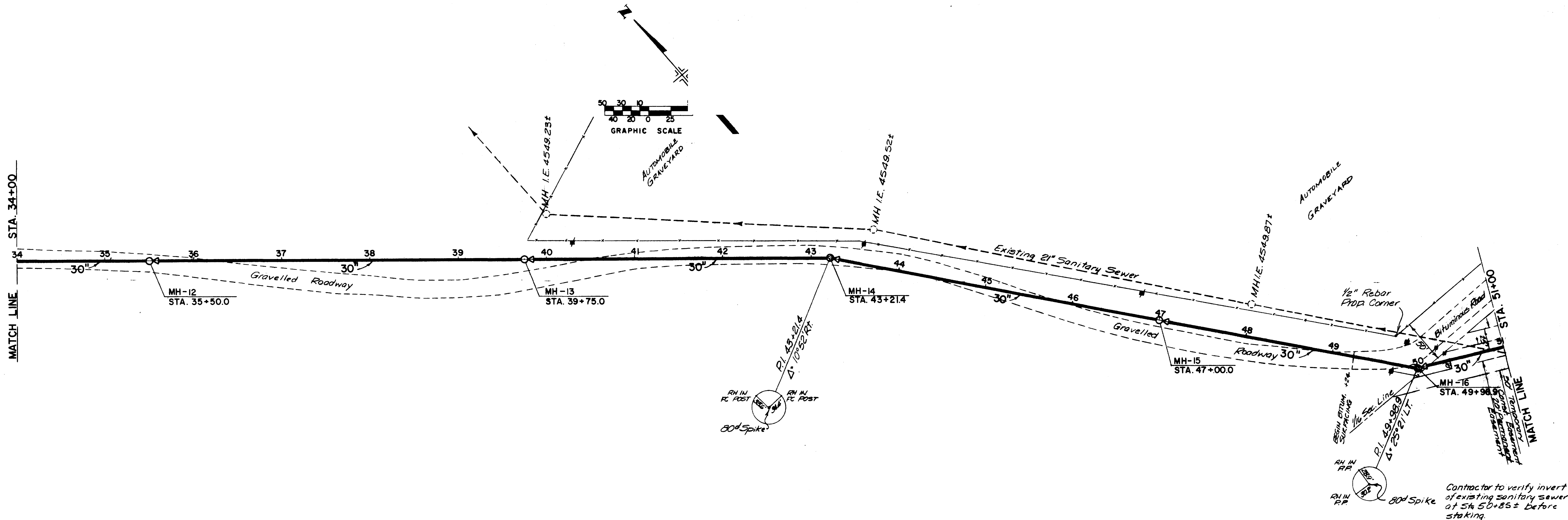
SOUTH SIDE INTERCEPTOR SEWER
(SECTION II)

PLAN and PROFILE
STA. 17+00 to STA. 34+00

HENNINGBON, DURHAM & RICHARDSON, INC.
ENGINEERS - ARCHITECTS
DENVER, COLORADO

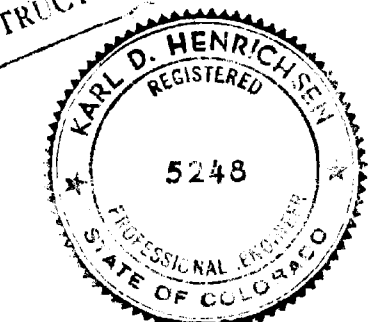
DESIGNED	E.A.B.	CHECKED	K.D.H.
DATE	FEB. 70	APPROVED	J.L.B.
DESCRIPTION	AS BUILT	MADE	APPROV
REVISIONS			

JOB 732610
DATE: JULY 3, 1969



Contractor to verify invert of existing sanitary sewer at Sta 50+85± before staking.

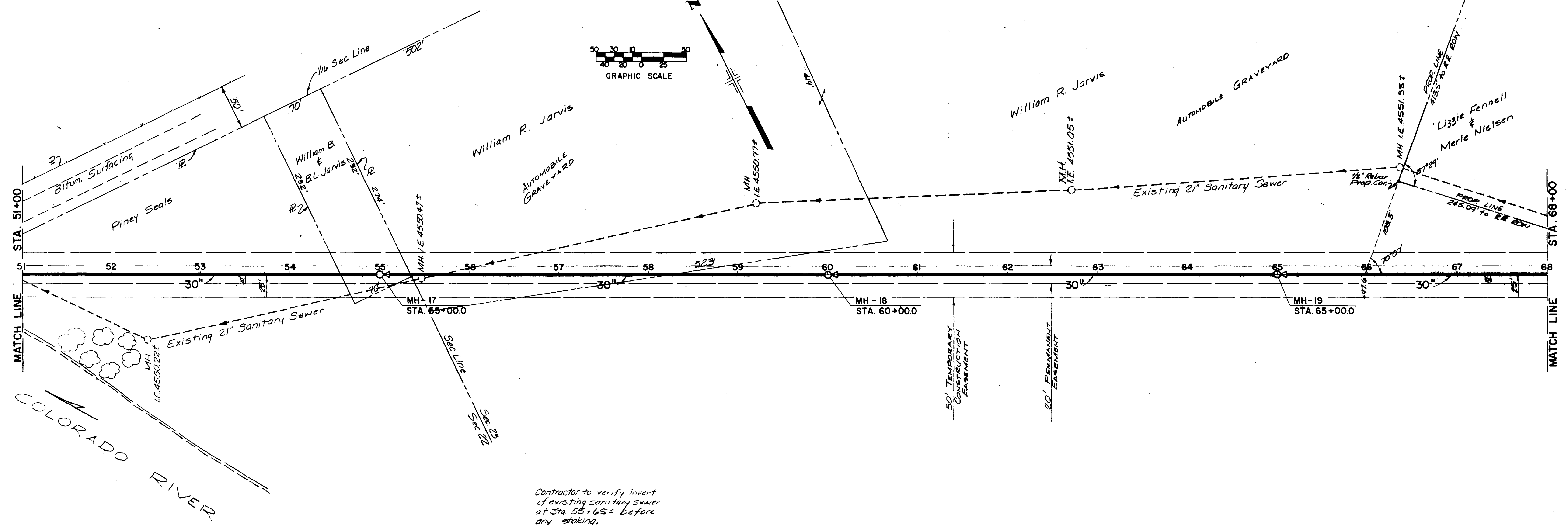
AS CONSTRUCTED
THIS DRAWING HAS BEEN REVISED TO SHOW FEATURES AS ACTUALLY CONSTRUCTED.



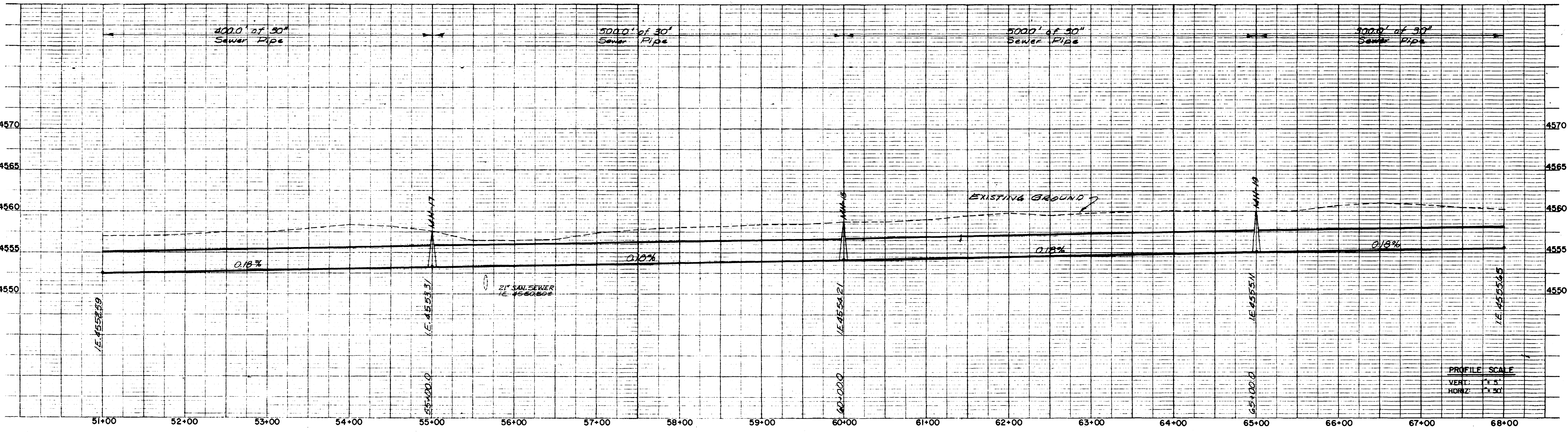
SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO
SOUTH SIDE INTERCEPTOR SEWER (SECTION II)
PLAN and PROFILE
STA. 34+00 to STA. 51+00

HENNINGSON, DURHAM & RICHARDSON, Inc.
ENGINEERS - ARCHITECTS
DENVER, COLORADO

DESIGNED BY	DATE	DESCRIPTION	REVISIONS	MADE	APPROV.
AS BUILT	10/15/69	ADDENDUM No. 1		A.T.	K.D.H.



Contractor to verify invert of existing sanitary sewer at Sta. 55+65± before any staking.



AS CONSTRUCTED
THIS DRAWING HAS BEEN REVISED TO SHOW FEATURES AS ACTUALLY CONSTRUCTED



SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

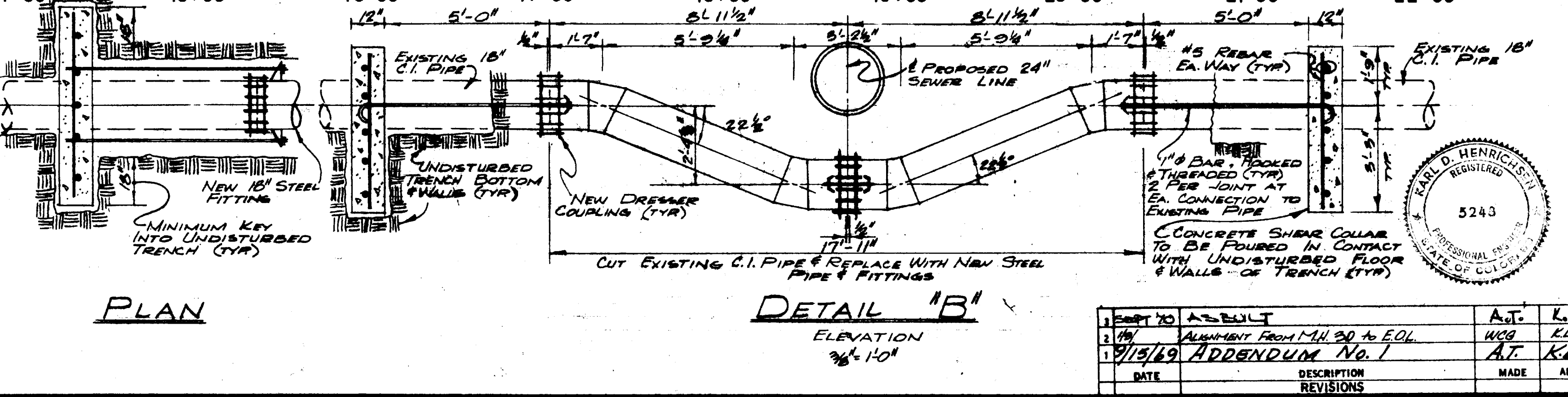
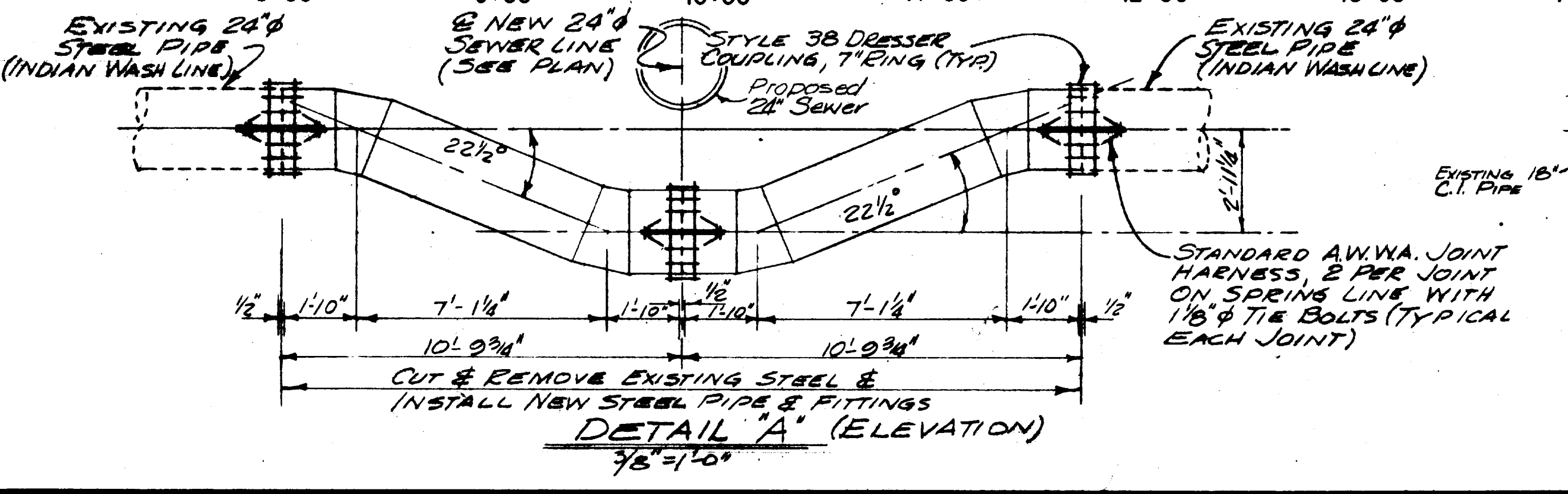
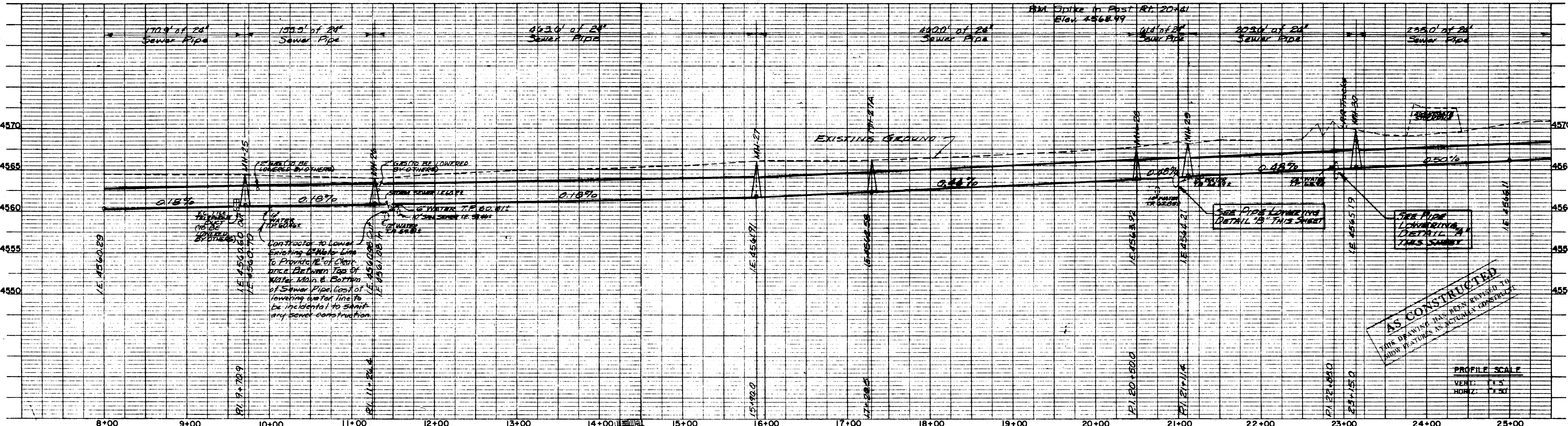
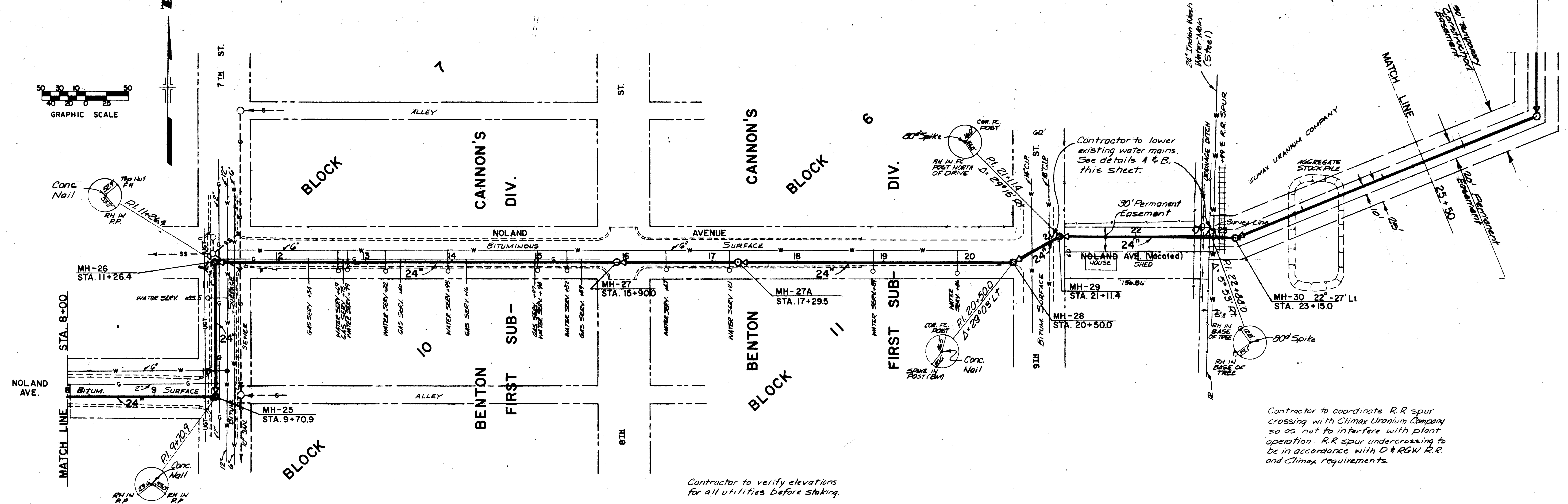
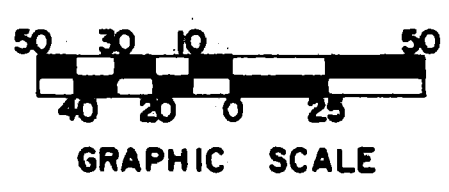
SOUTH SIDE INTERCEPTOR SEWER
(SECTION II)

PLAN and PROFILE
STA. 51+00 to STA. 68+00

HENNINGSON, DURHAM & RICHARDSON, Inc.
ENGINEERS - ARCHITECTS
DENVER, COLORADO

NO.	DATE	DESCRIPTION	MADE	APPROV.
1	SEPT 70	AS BUILT		

JOB NO. 732610	DESIGNED BY E.A.B.	CHECKED BY K.D.H.	APPROVED BY W.L.S.	DATE JUN 3, 1958	SHEET 5 OF 10
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SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

SOUTH SIDE INTERCEPTOR SEWER (SECTION I)

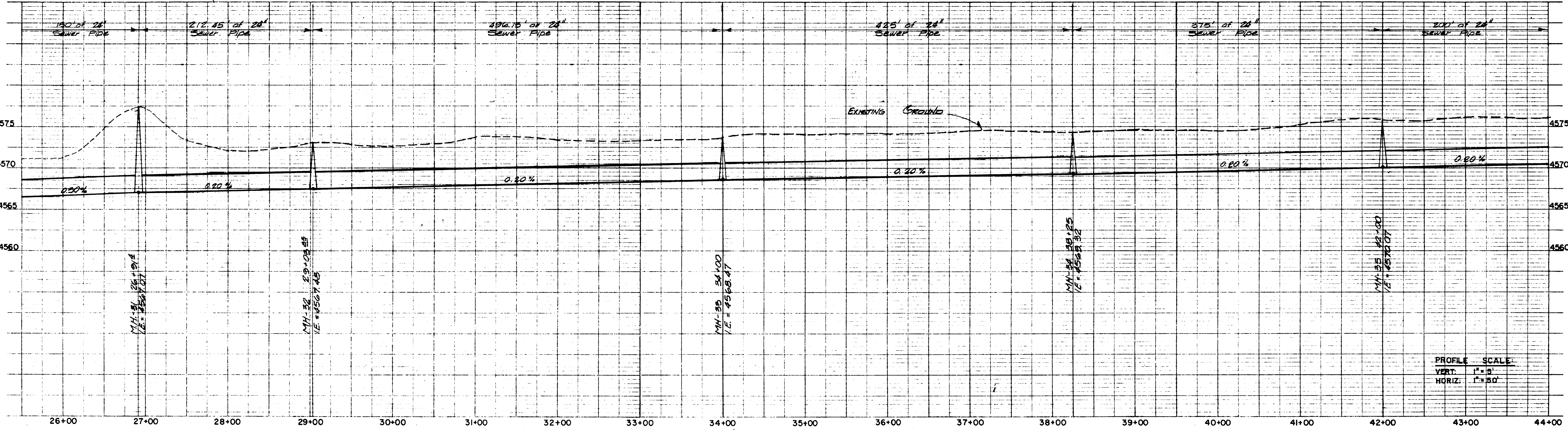
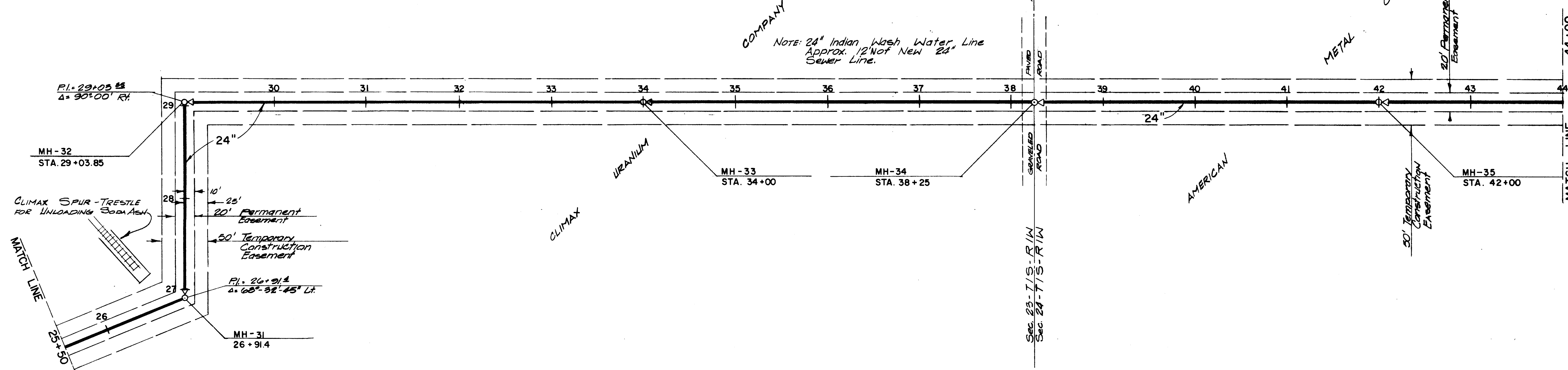
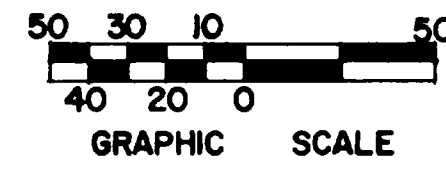
PLAN and PROFILE
STA. 8+00 TO STA. 25+00

HENNINGSON, DURHAM & RICHARDSON, INC.
 ENGINEERS - ARCHITECTS
 DENVER, COLORADO

DESIGNED: E.A.B. CHECKED: K.D.H.
 APPROVED: W.L.B. DATE: JULY 4, 1968

DATE: 7/19/68 APPENDUM No. 1

NO.	DATE	REVISIONS	BY	APPROVED
1	7/19/68	APPENDUM No. 1	K.D.H.	K.D.H.



PROFILE SCALE:
 VERT. 1" = 5'
 HORIZ. 1" = 30'

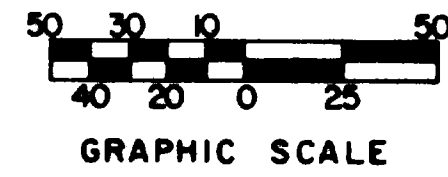
AS CONSTRUCTED
 THIS DRAWING HAS BEEN REVISED TO REFLECT FIELD AS ACTUALLY CONSTRUCTED.

SEWER SYSTEM IMPROVEMENTS
 GRAND JUNCTION, COLORADO
 SOUTH SIDE INTERCEPTOR SEWER
 (SECTION I)
 PLAN and PROFILE
 STA. 25+50 to STA. 44+00

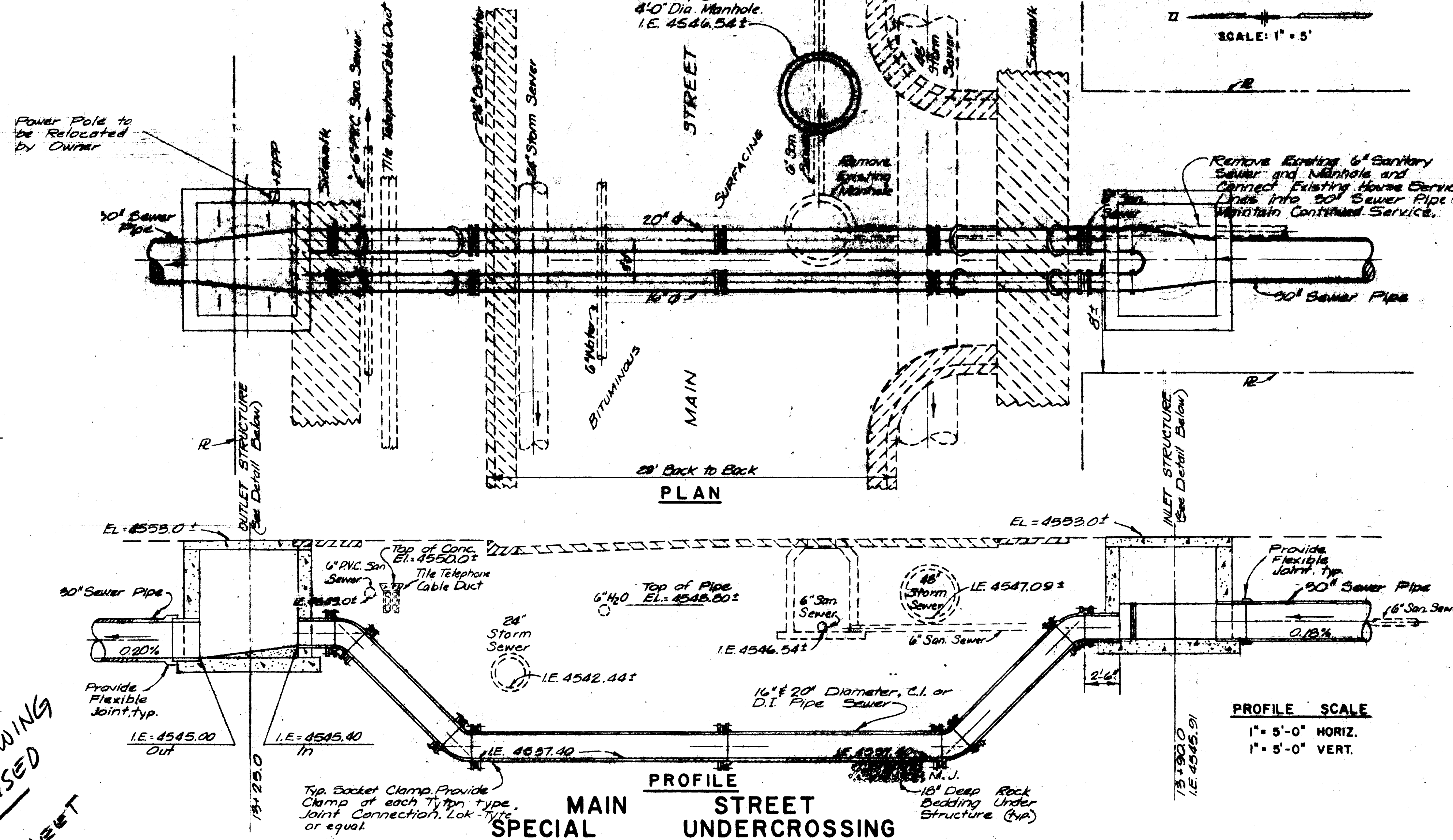
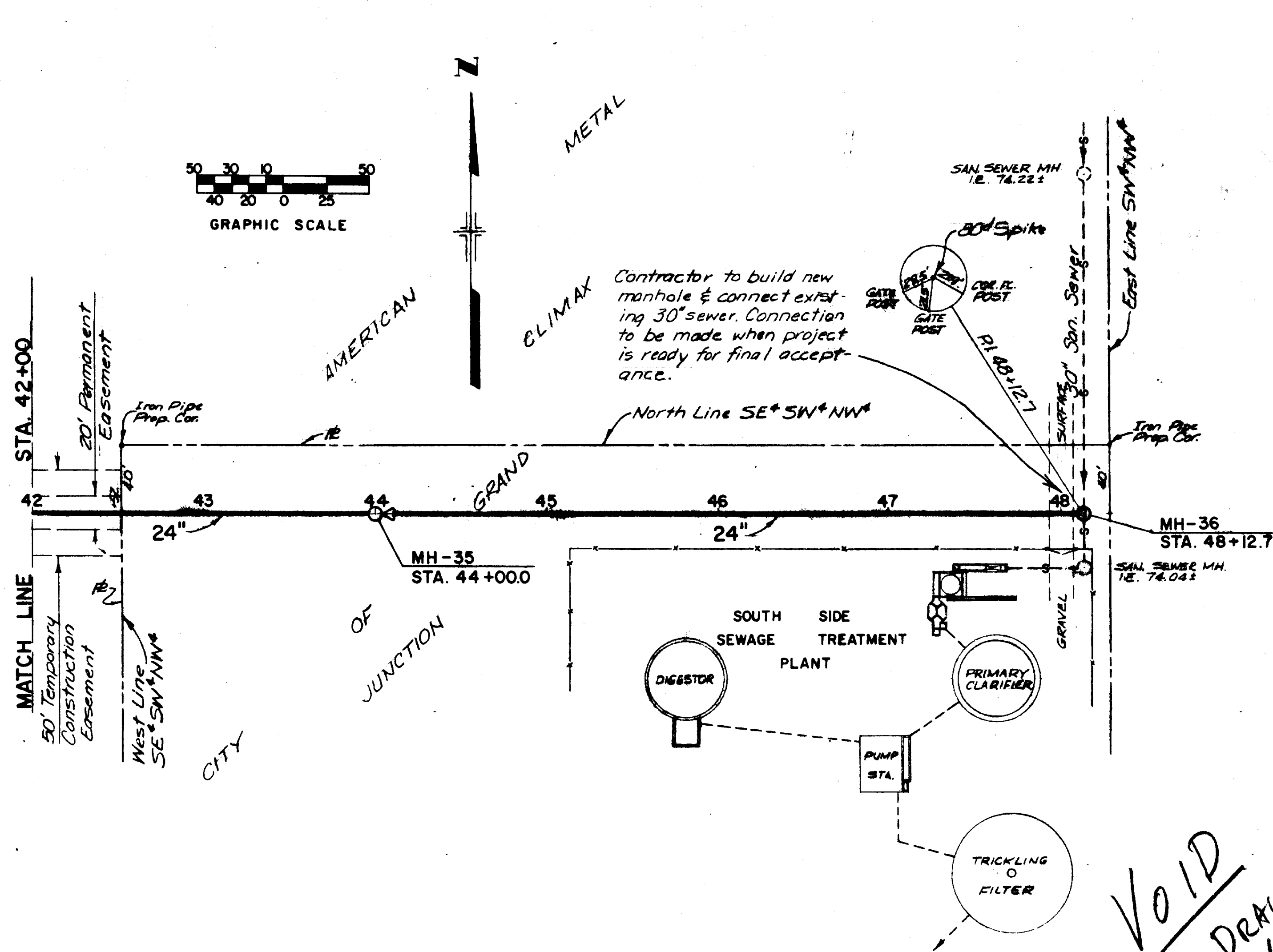
HENNINGSDON, DURHAM & RICHARDSON, INC.
 ENGINEERS - ARCHITECTS
 OMAHA, NEBRASKA COLORADO SPRINGS, COLORADO PHOENIX, ARIZONA

1	SEPT. 10	AS BUILT	A.T.	K.D.H.
2	10/17/70	AUGMENTED FROM M.H. 30 TO E.O.L.	W.G.	K.D.H.
1	DATE	DESCRIPTION	MADE	APPROV.
		REVISIONS		

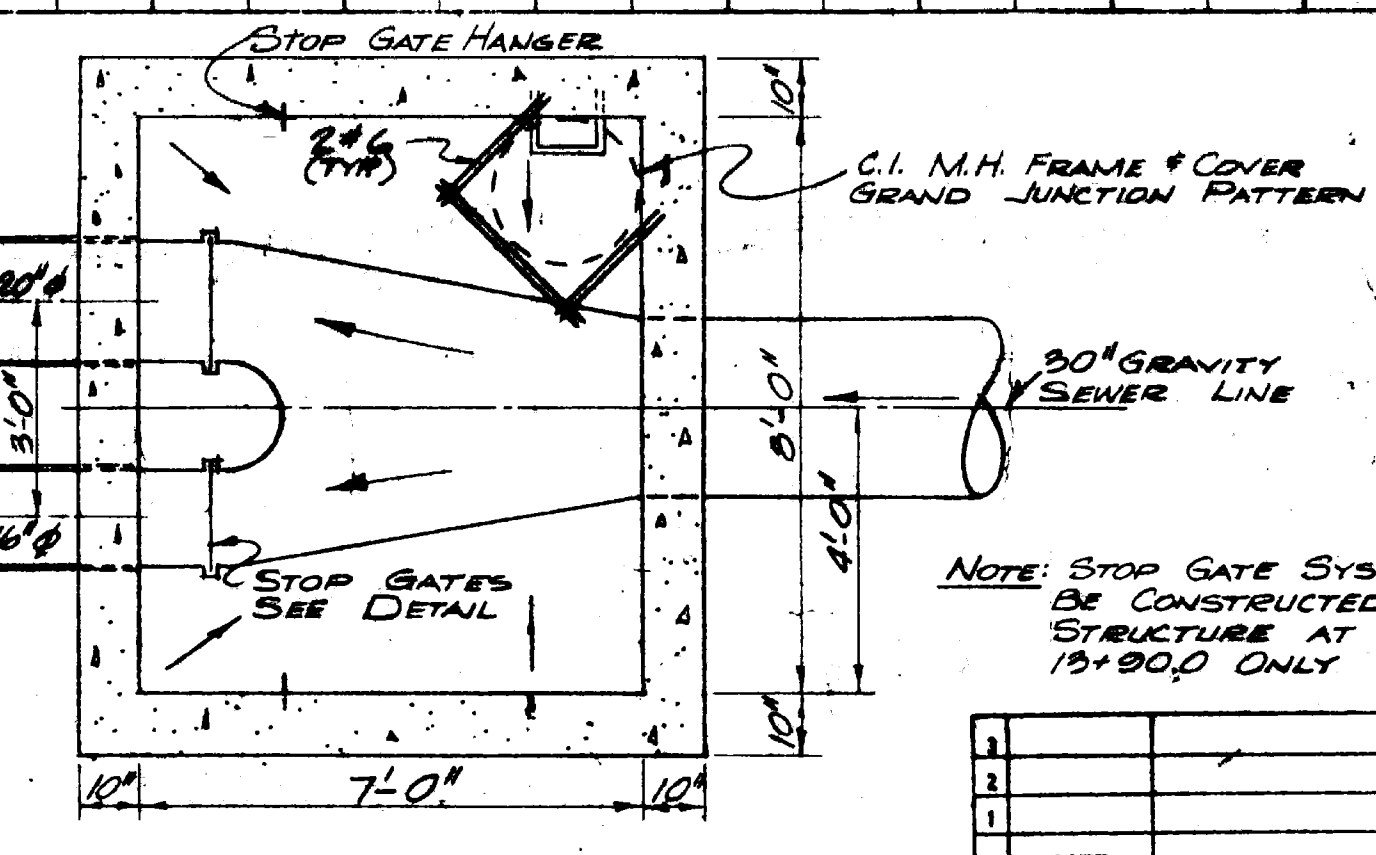
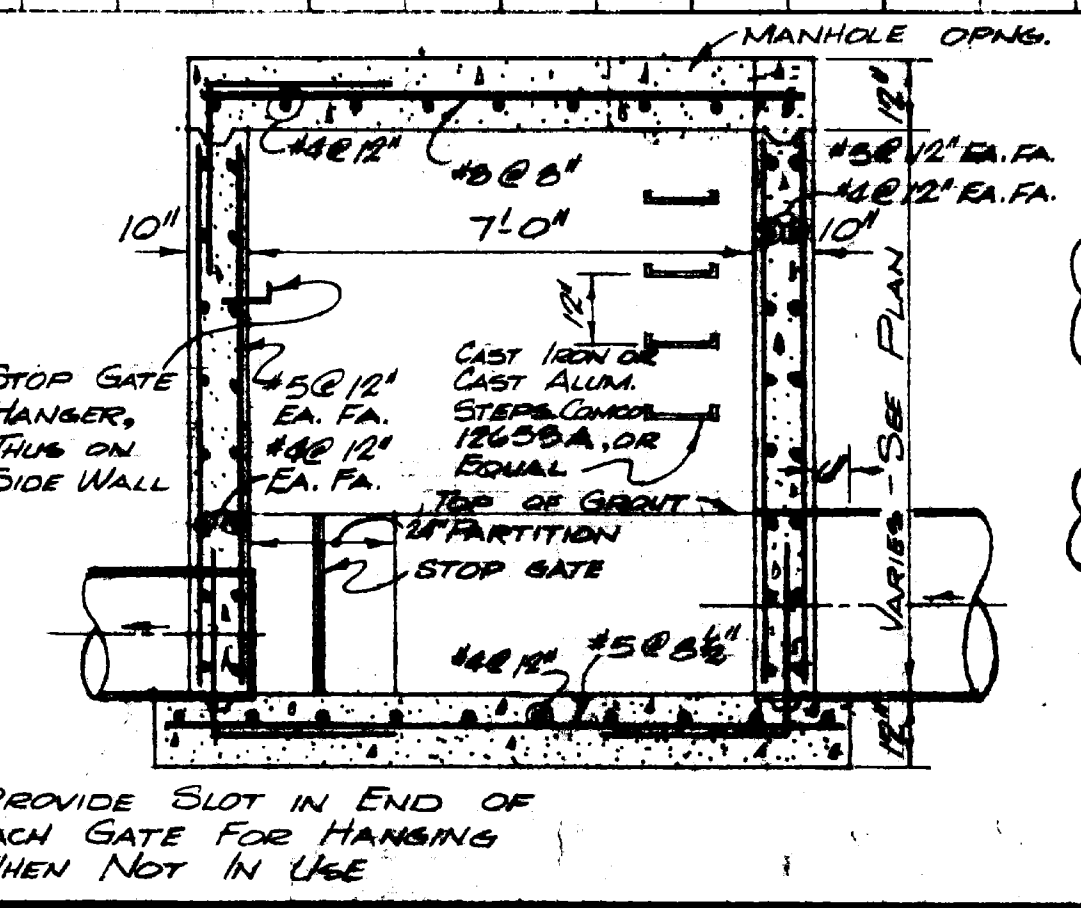
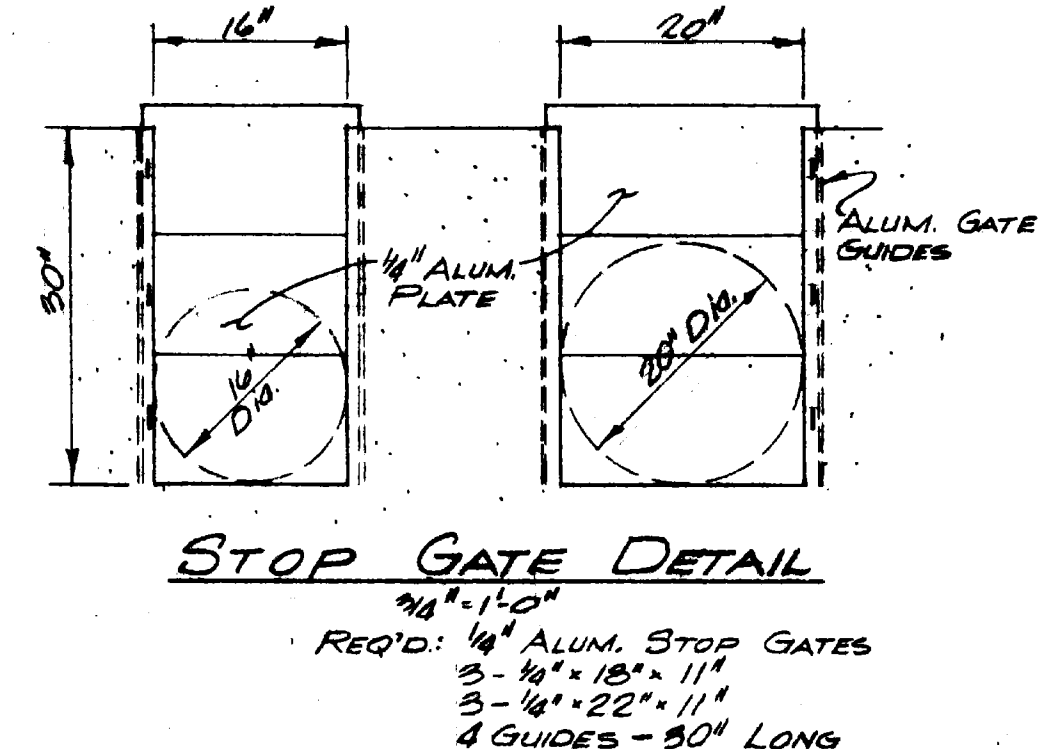
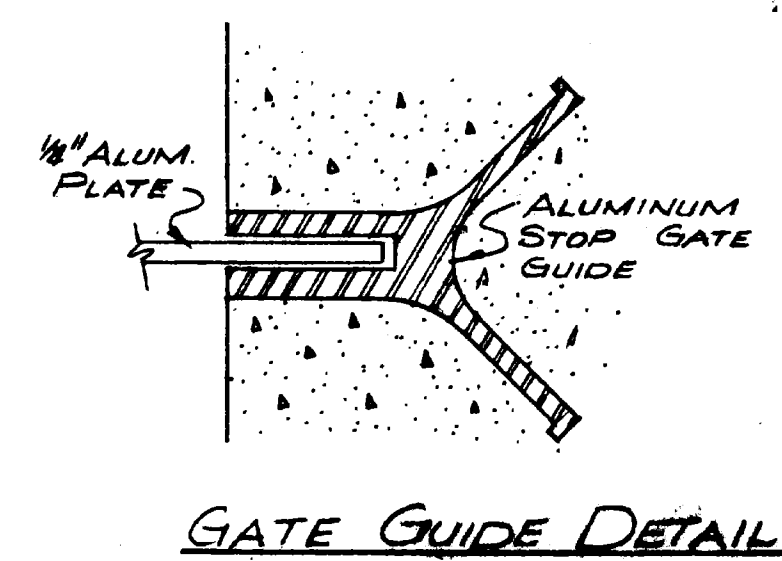
JOB 732610 DESIGNED E.A.B. CHECKED K.D.H. SHEET 8 OF 10
 APPROVED W.L.B. DATE APR 4 1971



SCALE: 1" = 5'



**VOID
THIS DRAWING
NOT USED
SEE SHEET
UP 9A**



**VOID
SEE DWG 9A**

SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

SOUTH SIDE INTERCEPTOR SEWER
(SECTION I)

PLAN and PROFILE
STA. 42+00 to STA. 48+12.7

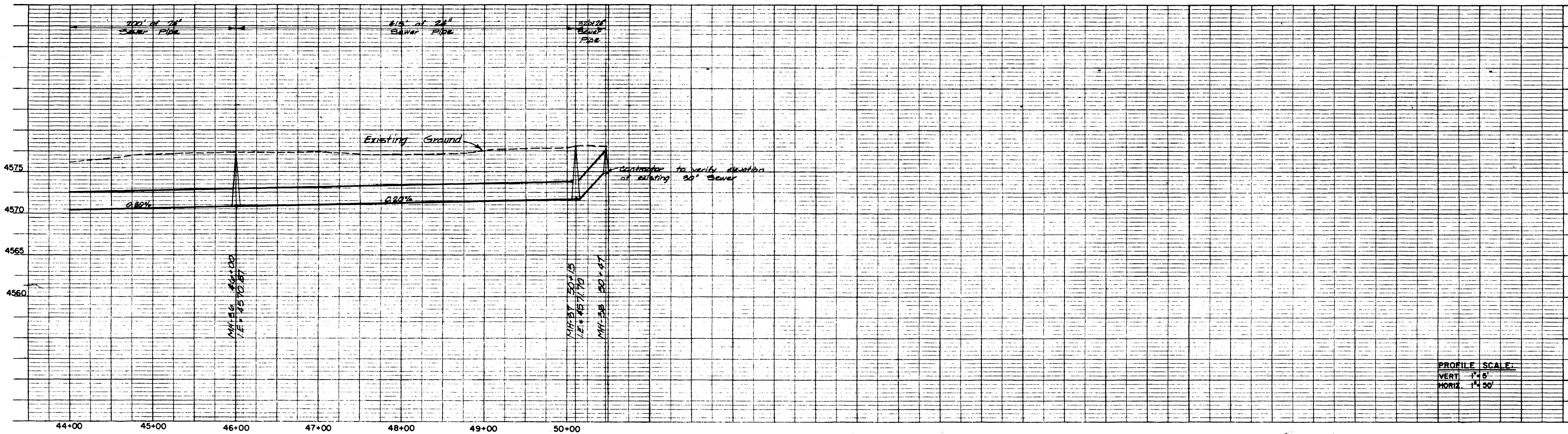
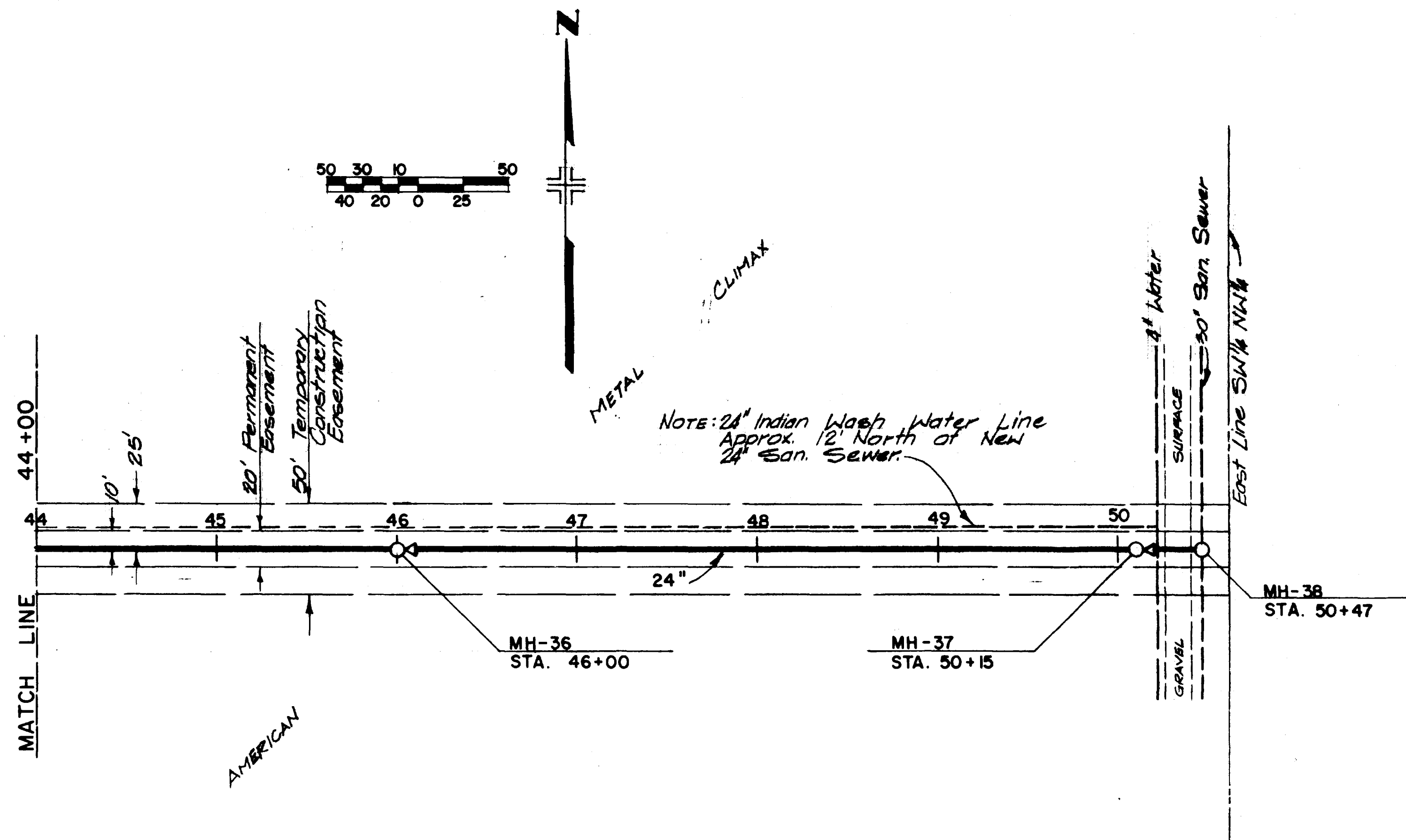
HENNINGSON, DURHAM & RICHARDSON, INC.
ENGINEERS - ARCHITECTS
DENVER, COLORADO

JOB 732610 DESIGNER E.A.B. CHECKED R.D.H. APPROVED J.E.B. DATE JUN 5, 1959

5443

DATE DESCRIPTION REVISIONS MADE APPROV

SHEET 9 OF 10



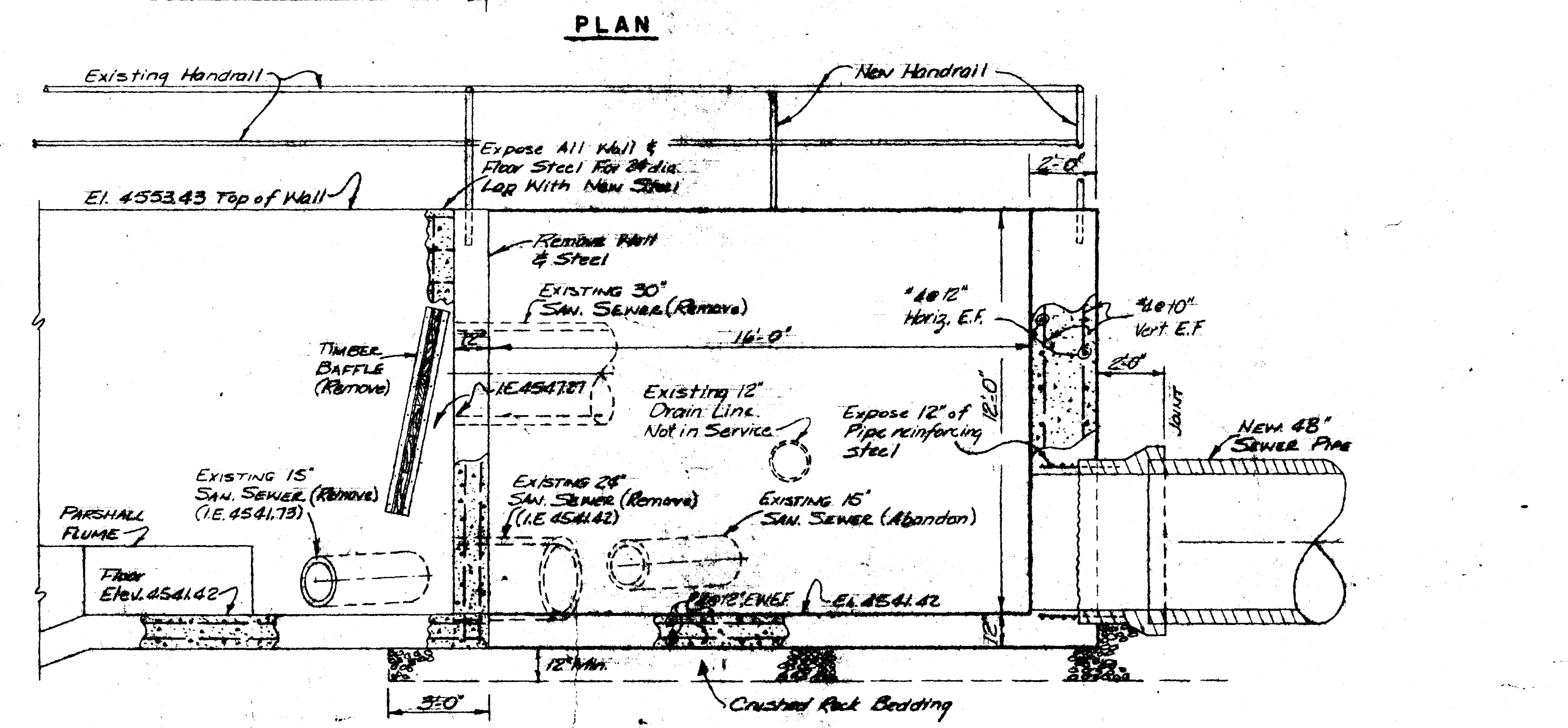
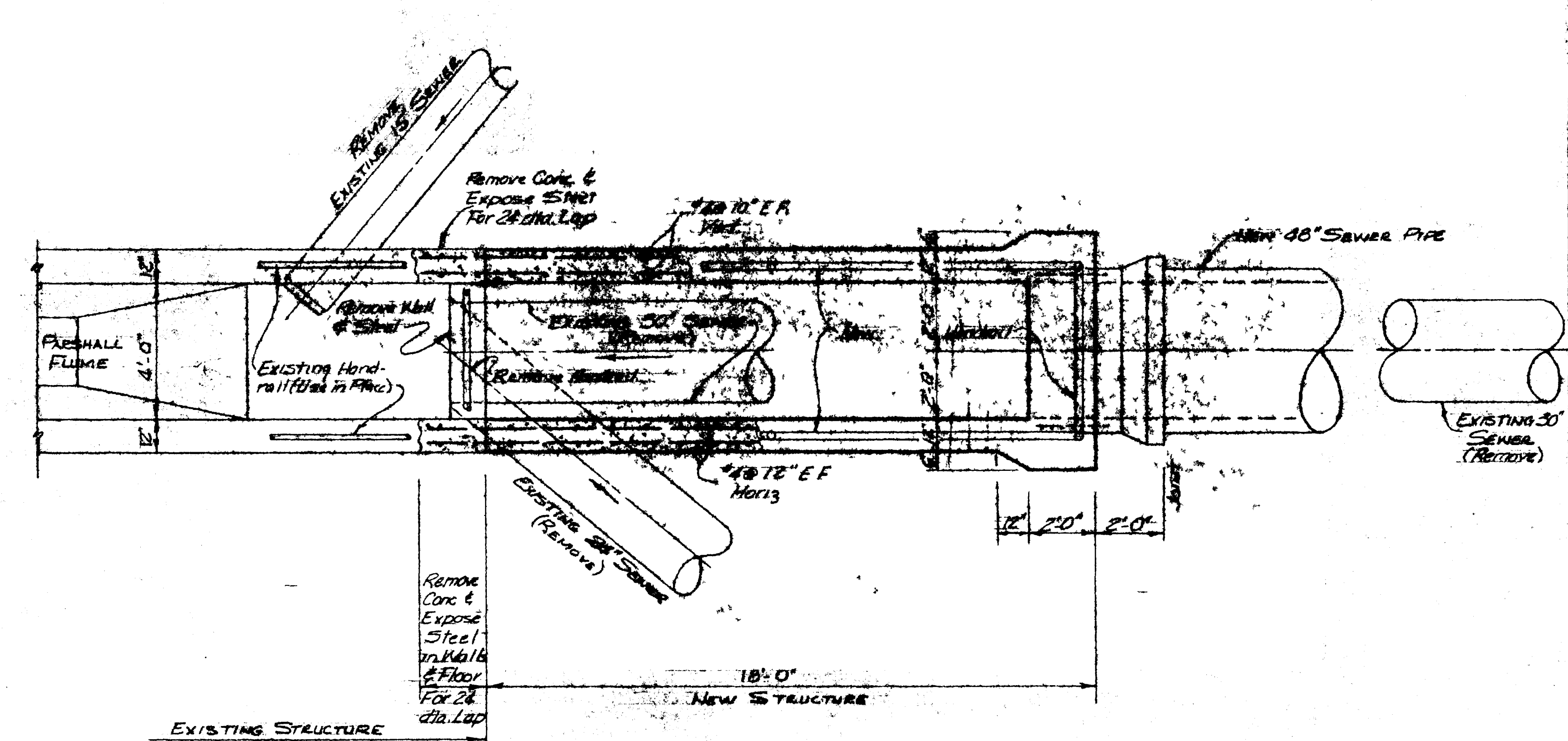
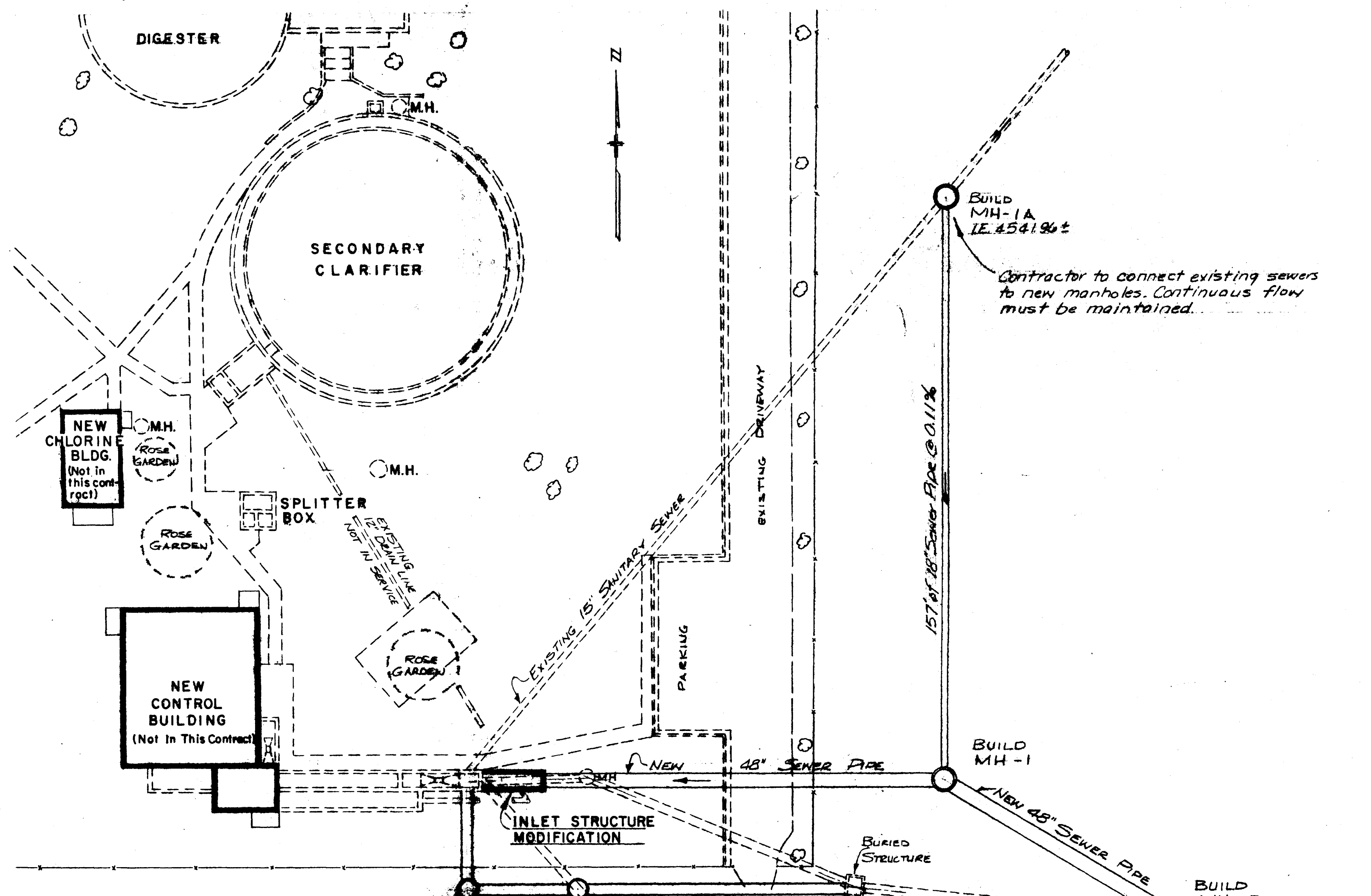
PROFILE SCALE:
 VERT. 1" = 5'
 HORIZ. 1" = 30'

AS CONSTRUCTED
 THIS DRAWING HAS BEEN REVISED TO
 SHOW FEATURES AS ACTUALLY CONSTRUCTED

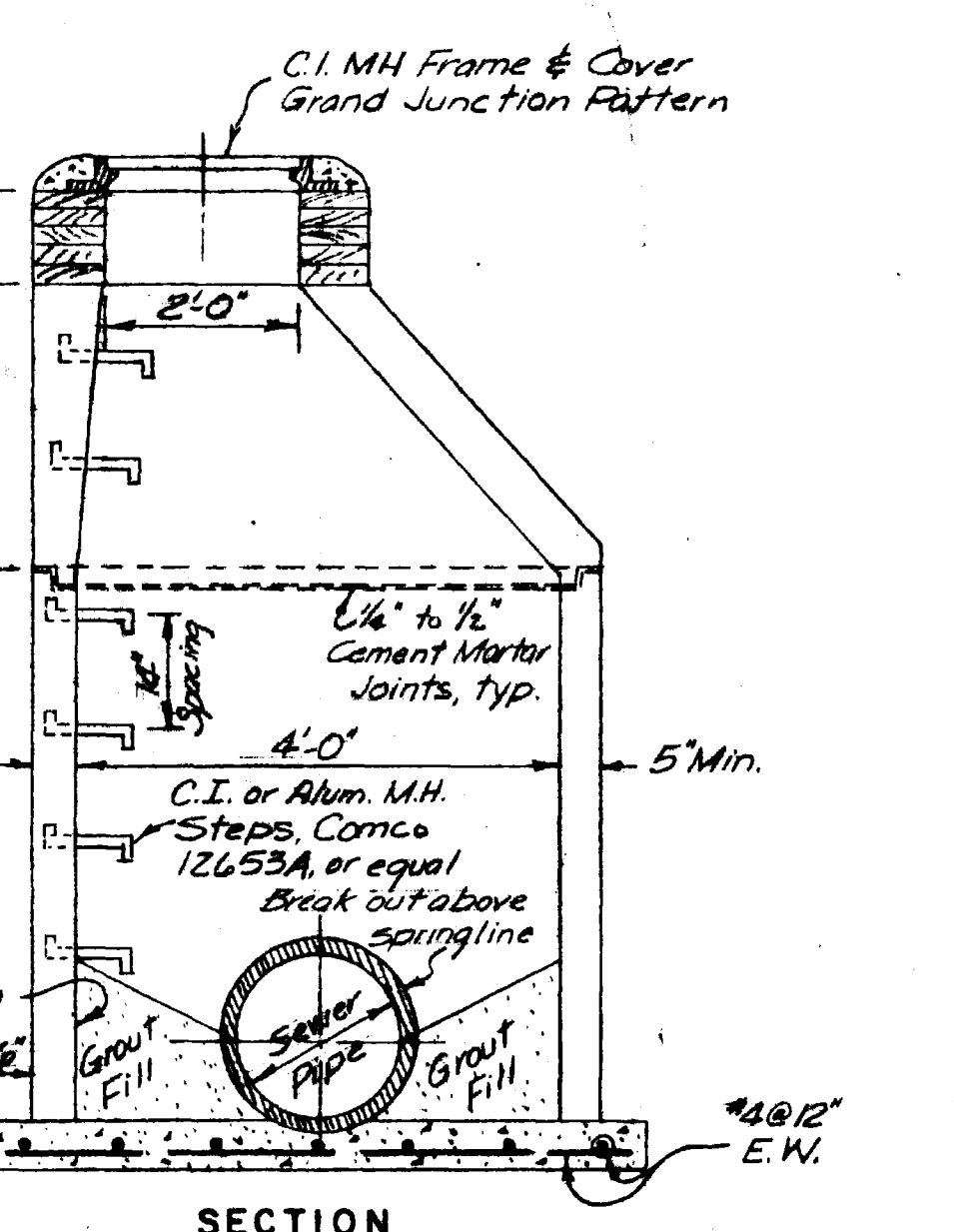
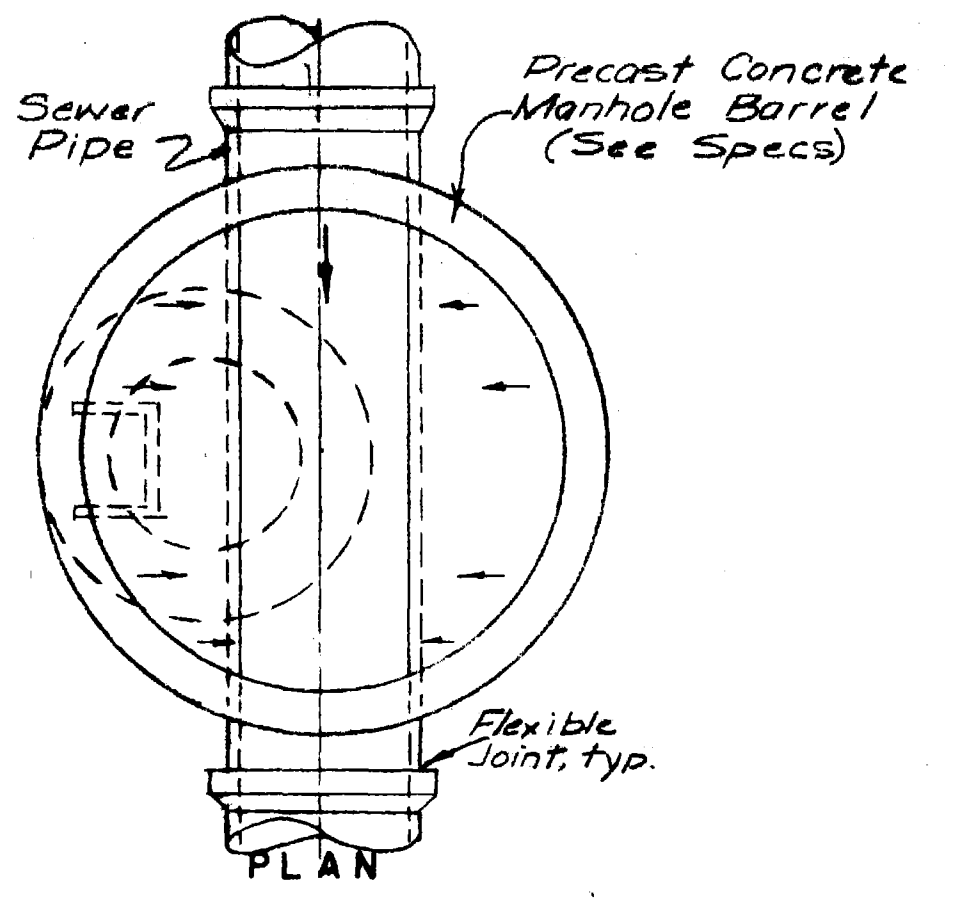
SEWER SYSTEM IMPROVEMENTS
 GRAND JUNCTION, COLORADO
 SOUTH SIDE INTERCEPTOR SEWER
 (SECTION I)
 PLAN and PROFILE
 STA. 44+00 to STA. 50+47 E.O.L.

HEMMINGBORN, DURHAM & RICHARDSON, Inc.
 ENGINEERS - ARCHITECTS
 OMAHA, NEBRASKA GOLDEN SPRING, ILLINOIS PHOENIX, ARIZONA
 JOB NO. 732610 DESIGNER: E.A.B. CHECKER: K.H.M. SHEET 9a OF 10
 APPROVER: W.L.B. DATE: JUN 4, 1999

NO.	DATE	DESCRIPTION	MADE	APPROV.
1		AS BUILT	A.J.	K.D.H.
2	1/1/99	ALIGNMENT FROM M.H. 30 TO E.O.L.	W.C.B.	K.D.H.

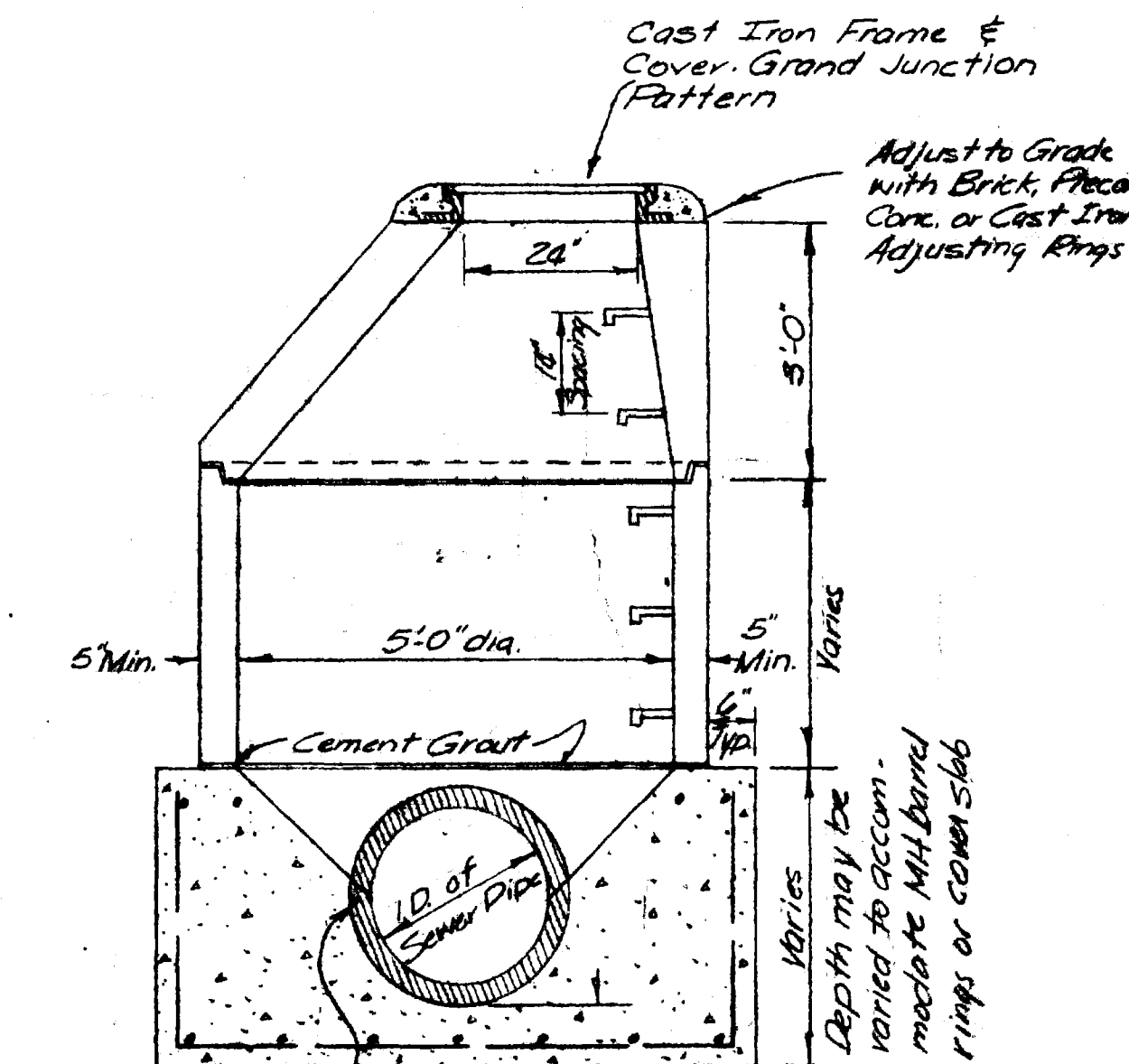


INLET STRUCTURE MODIFICATION
SCALE: 3/8" = 1'-0"

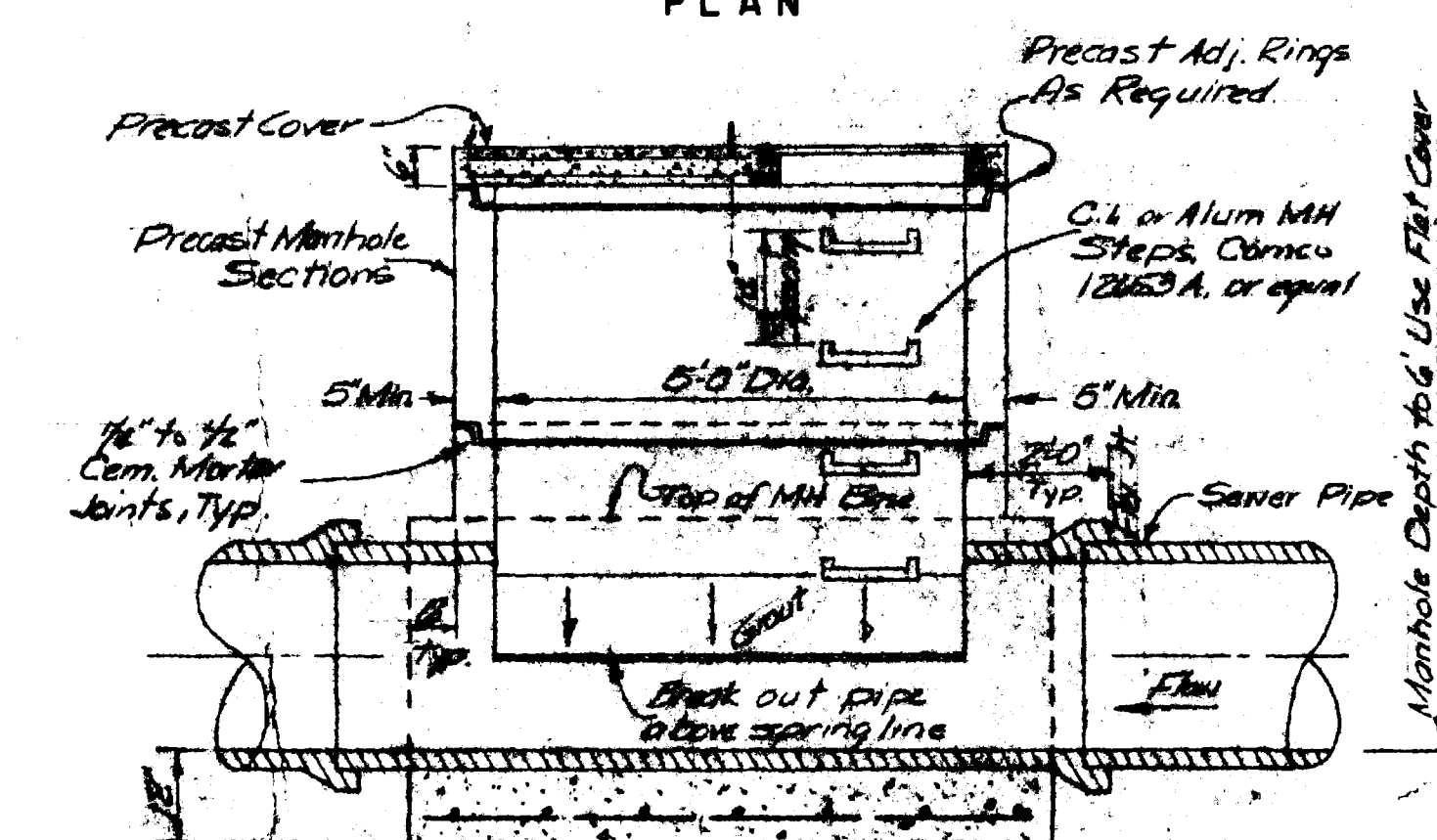
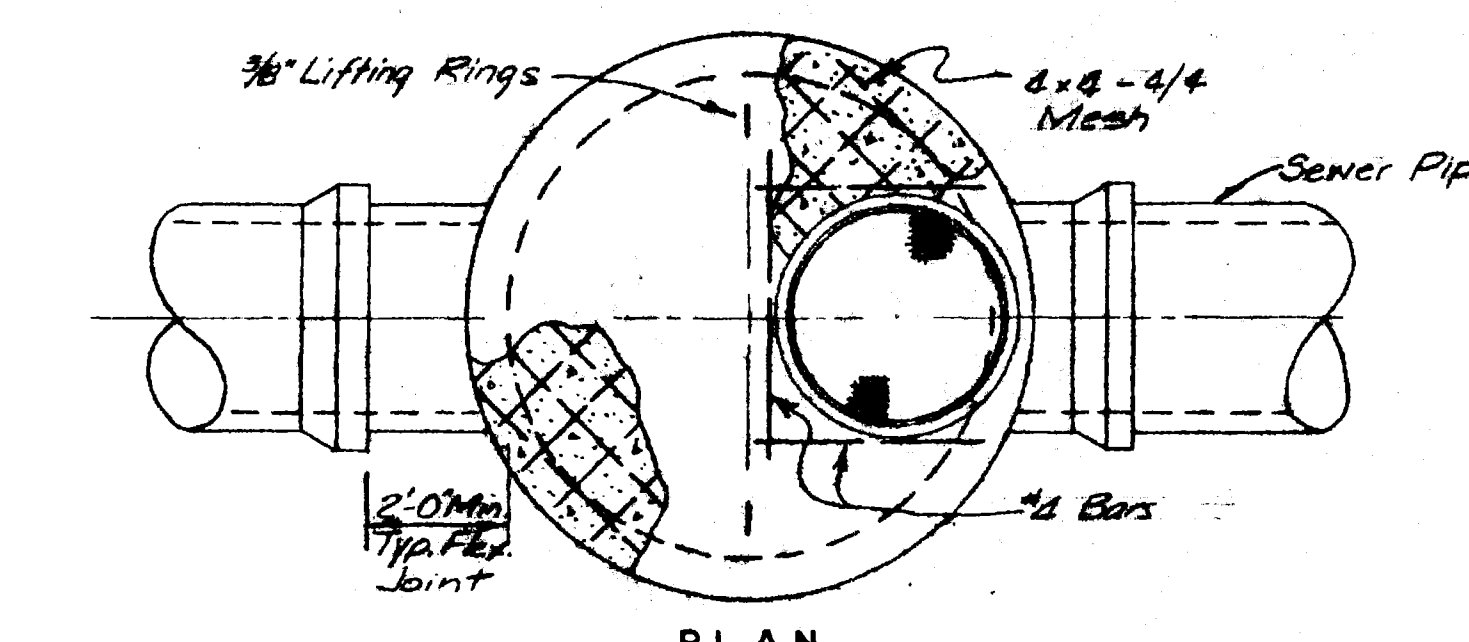


MANHOLE - TYPE C
No Scale

Contractor to construct temporary 36" RCP sewer and 2 new manholes to permit construction of inlet structure modifications, removal of existing plant yard manhole and existing 30" sewer between the yard manhole and inlet structure. Location of temporary sewer is contractor's option subject to approval of the Engineer. Contractor must maintain continuous sewage flow to plant during sewer construction.



SECTION - MANHOLE - TYPE A
Scale: 3/8" = 1'-0"



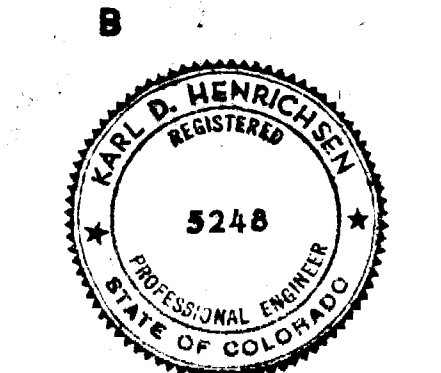
SECTION - MANHOLE - TYPE B
Scale: 3/8" = 1'-0"

MANHOLE SCHEDULE

MH NO.	TYPE
SECTION II	
1, 2, 3, 4, 5,	A
6, 7, 8, 9, 10, 11, 12,	B
13, 14, 15, 16, 17, 18, 19	
20, 21, 22	
1A, 6A	C
SECTION I	
23, 24, 25, 26, 27, 28	B
29, 30, 31, 32, 33, 34,	
35, 36	

AS CONSTRUCTED
THIS DRAWING HAS BEEN REVISED TO SHOW FEATURES AS ACTUALLY CONSTRUCTED.

Note: Manholes not in roadway areas shall extend a min. of 6" above natural ground.
All pipes entering or leaving manholes must have a flexible joint 2'-0" from interior of wall.



SEWER SYSTEM IMPROVEMENTS
GRAND JUNCTION, COLORADO

SOUTH SIDE INTERCEPTOR SEWER
MISCELLANEOUS DETAILS

HENDERSON, DUNHAM & RICHARDSON, INC.
ENGINEERS - PLANNERS - CONSULTANTS
DENVER, COLORADO

DATE: 10/10/10
DESCRIPTION: AS BUILT
APPROVED: [Signature]
DATE: 10/10/10