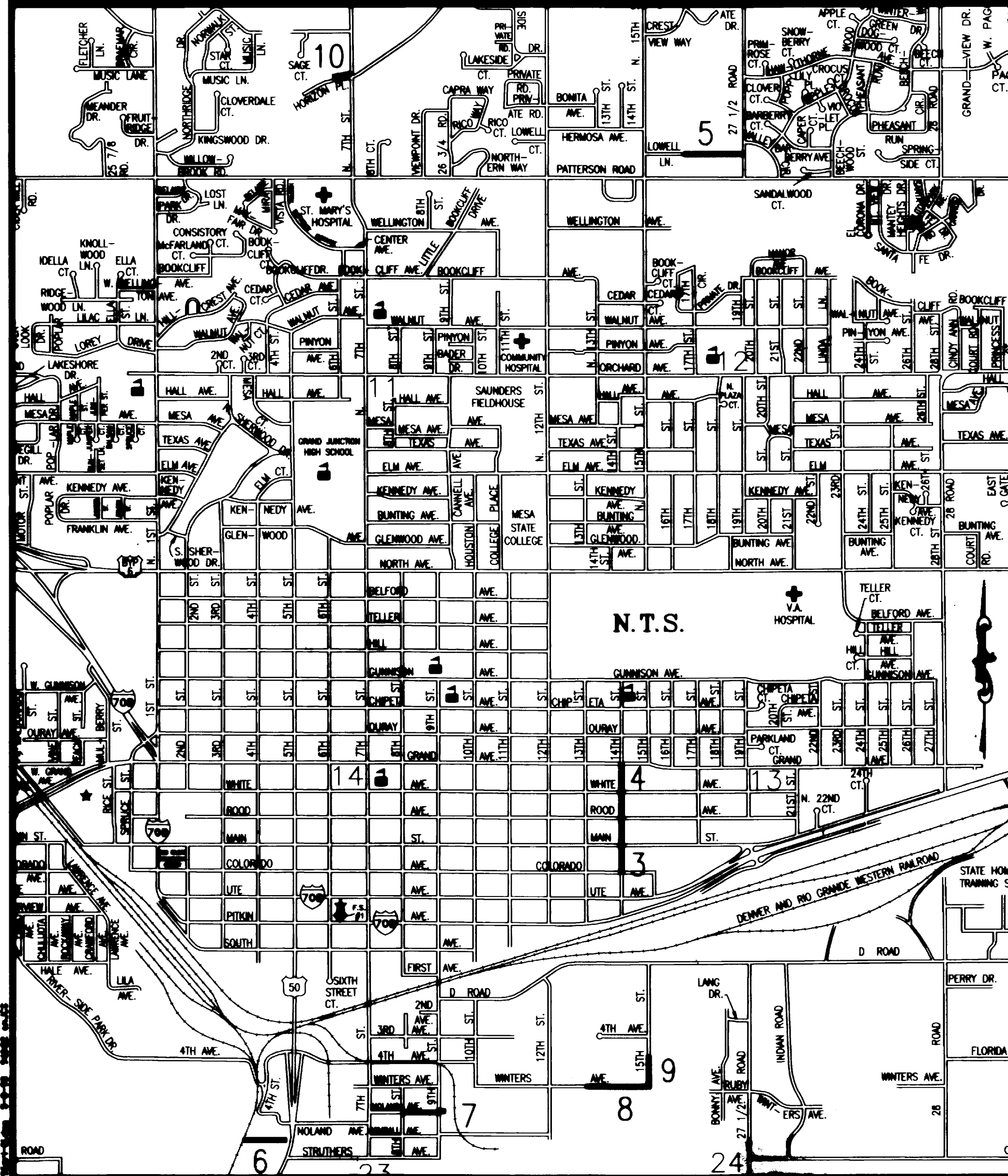


1996 INTERCEPTOR REHABILITATIONS

*City of Grand Junction, Colorado
Department of Public Works*



1	COVER SHEET
2	QUANTITIES SUMMARY SHEET
3	14TH STREET: COLORADO AVENUE TO ROOD AVENUE
4	14TH STREET: ROOD AVENUE TO GRAND AVENUE
5	LOWELL LANE: 1628 TO 27 1/2 ROAD
6	NOLAND ALLEY: RAILROAD TO 5TH STREET
7	NOLAND AVENUE: 8TH STREET TO 9TH STREET
8	WINTERS AVENUE: 13TH STREET TO 15TH STREET
9	15TH STREET: FROM WINTERS AVENUE NORTH
10	RANCHMAN'S DITCH: FROM 7TH STREET WEST
	DRAFTING STANDARDS & ABBREVIATIONS
	STANDARD CONCRETE DETAILS (EXHIBIT "E")
	SANITARY SEWER DETAILS (EXHIBIT "F")

	BIDDING						
	CONSTRUCTION						
	FINAL ACCEPTANCE						
	GRAND JCT. DRAINAGE DIST.	JOHN BALLAGH	MANAGER	722 23 ROAD	GRAND JUNCTION, CO 81505	242-4343	242-4348
	GRAND JUNCTION, CITY OF	MIKE CURTIS	UTILITY ENGINEER	250 N. 5th STREET	GRAND JUNCTION, CO 81501	244-1500	256-4004
	PSCO	JOHN SALAZAR	AREA #4			244-2781	
	PSCO	JON PRICE	AREA #3			244-2093	
	TCI	GLENN VANCIL		2502 FORESIGHT CIRCLE	GRAND JUNCTION, CO 81504	245-8750	245-6803
	US WEST	MAX WARD	ENGINEER			244-4721	

WILLIAMS ENGINEERING
1231 19 Road
Fruita, CO 81521-9689
(970) 858-1014 Phone
(970) 858-1007 FAX

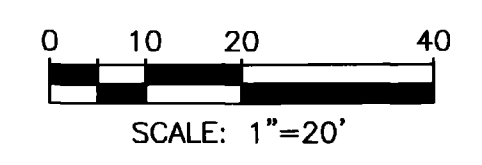
- (201) Unless noted otherwise, Standard Details and Specifications and Special Provisions apply.
- (202) Notes numbered between 20 and 99 pertain to Work governed by the City of Grand Junction's standard specifications, as may be modified by Project Contract Documents.
- (203) Notes numbered between 200 and 699 pertain to Work governed by corresponding sections of the CDOT Standard Specifications for Road and Bridge Construction, as may be modified by Owner Standard Specifications and/or Project Contract Documents.
- (204) Notes numbered above 1000 pertain to miscellaneous Work not governed by standard specifications.
- (205) Note numbers preceded with a "C" and italicized are informational or general in nature and, as incidental to the Work, are no-pay items.
- (206) Property lines shown are approximate only.

ASBUILT
5-8-98

ITEM/REFERENCE NO. & DESCRIPTION OF WORK	UNITS	SHT. 3	SHT. 4	SHT. 5	SHT. 6	SHT. 7	SHT. 8	SHT. 9	SHT. 10	MISC.	TOTAL	COMMENTS
20.2 Rehabilitate sanitary sewer line per Special Provisions.											21" - 1,200 LF - (14th STREET)	
- 18"	LF	0	0	748	0	0	0	0	391	0	3538 1,140	
- 24"	LF	731	726	0	519	711	700	153	0	0	3640 6,500	
- 30"	LF	0	0	0	93	0	0	280	0	0	360 371	
61.2 Provide manhole corrosion protection per Special Provisions.	EA	0	0	0	1	1	0	0	0	0	1	(15th STREET - CO#2)
62.9 Provide structural rehabilitation of manholes per Special Provisions.												
- Grout	EA	3	1	0	0	0	0	0	0	0	4	
- PCC	EA	0	0	0	0	0	0	0	1	0	1	
65.1 Construct standard 5' diameter manhole.	EA	0	0	0	1	1	0	0	0	0	2	4
202.21 Remove manhole.	EA	0	0	0	1	1	0	0	0	0	2	4
626.1 Provide all mobilization, bonds, insurances, and other incidentals...	LS	0	0	0	0	0	0	0	0	1	1	
1997.1 Provide newsletters per Special Conditions.	LS	0	0	0	0	0	0	0	0	1	1	
1998.1 Provide project signs per Special Conditions.	LS	0	0	0	0	0	0	0	0	1	1	
1999 FORCE ACCOUNT	LS	0	0	0	0	0	0	0	0	1	1	

ASBUILT
5-8-98

DESCRIPTION	DATE
REVISION Δ ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION Δ	
REVISION Δ	

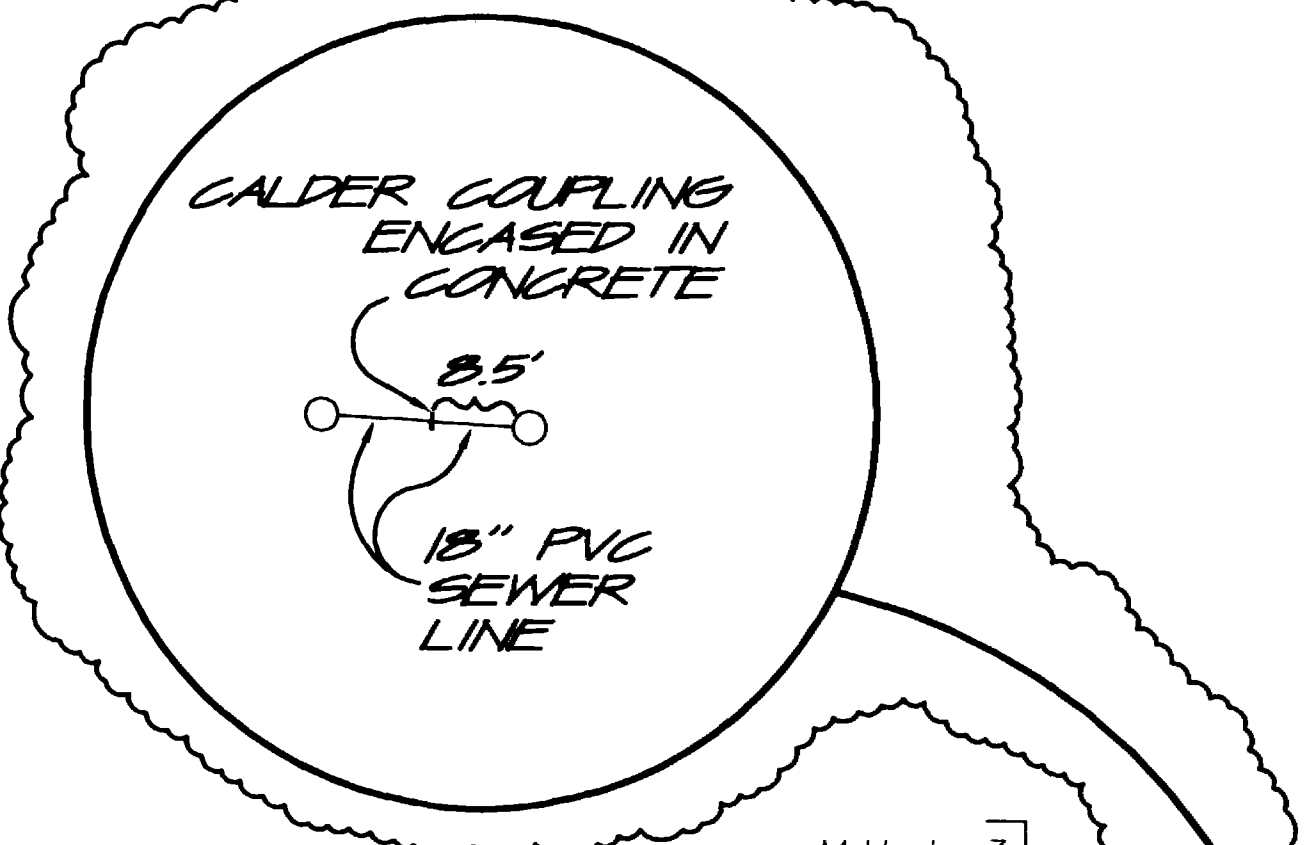


SCALE	PLAN	PROFILE
HORIZ. 1"=20'	HORIZ. 1"=20'	VERT. 1"=5'

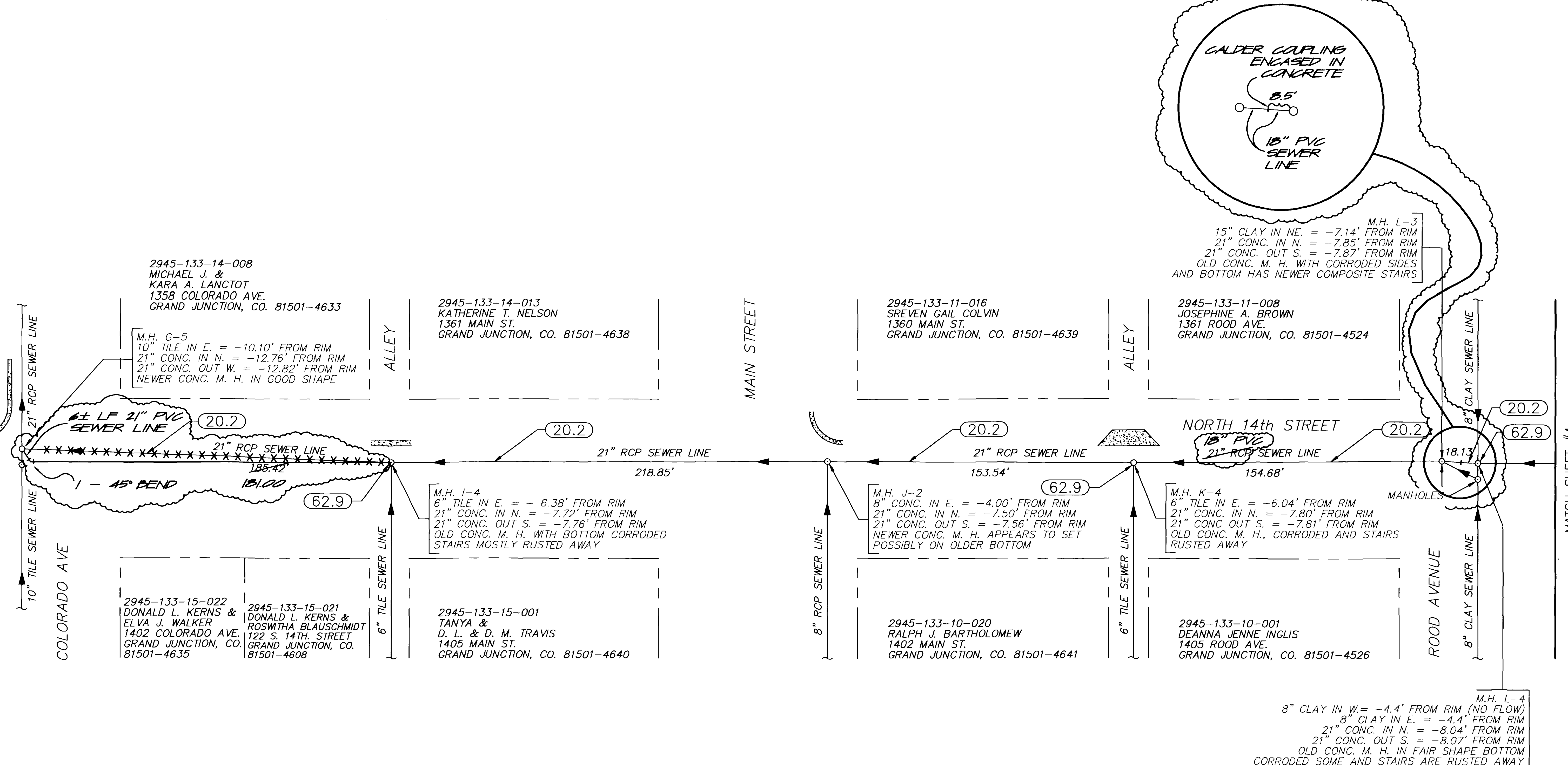
WILLIAMS ENGINEERING
1231 19 ROAD, FRUITA, COLORADO 81521-9689
(970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
GENERAL DRAWINGS
Quantities Summary

SHEET 2
FILENAME 96SRI-02.DWG



M.H. L-3
 15" CLAY IN NE. = -7.14' FROM RIM
 21" CONC. IN N. = -7.85' FROM RIM
 21" CONC. OUT S. = -7.87' FROM RIM
 OLD CONC. M. H. WITH CORRODED SIDES
 AND BOTTOM HAS NEWER COMPOSITE STAIRS



2945-133-14-008
 MICHAEL J. &
 KARA A. LANGTOT
 1358 COLORADO AVE.
 GRAND JUNCTION, CO. 81501-4633

2945-133-14-013
 KATHERINE T. NELSON
 1361 MAIN ST.
 GRAND JUNCTION, CO. 81501-4638

2945-133-11-016
 SREVEN GAIL COLVIN
 1360 MAIN ST.
 GRAND JUNCTION, CO. 81501-4639

2945-133-11-008
 JOSEPHINE A. BROWN
 1361 ROOD AVE.
 GRAND JUNCTION, CO. 81501-4524

M.H. G-5
 10" TILE IN E. = -10.10' FROM RIM
 21" CONC. IN N. = -12.76' FROM RIM
 21" CONC. OUT W. = -12.82' FROM RIM
 NEWER CONC. M. H. IN GOOD SHAPE

M.H. I-4
 6" TILE IN E. = -6.38' FROM RIM
 21" CONC. IN N. = -7.72' FROM RIM
 21" CONC. OUT S. = -7.76' FROM RIM
 OLD CONC. M. H. WITH BOTTOM CORRODED
 STAIRS MOSTLY RUSTED AWAY

M.H. J-2
 8" CONC. IN E. = -4.00' FROM RIM
 21" CONC. IN N. = -7.50' FROM RIM
 21" CONC. OUT S. = -7.56' FROM RIM
 NEWER CONC. M. H. APPEARS TO SET
 POSSIBLY ON OLDER BOTTOM

M.H. K-4
 6" TILE IN E. = -6.04' FROM RIM
 21" CONC. IN N. = -7.80' FROM RIM
 21" CONC. OUT S. = -7.81' FROM RIM
 OLD CONC. M. H., CORRODED AND STAIRS
 RUSTED AWAY

2945-133-15-022
 DONALD L. KERNS &
 ELVA J. WALKER
 1402 COLORADO AVE.
 GRAND JUNCTION, CO.
 81501-4635

2945-133-15-021
 DONALD L. KERNS &
 ROSWITHA BLAUSCHMIDT
 122 S. 14TH. STREET
 GRAND JUNCTION, CO.
 81501-4608

2945-133-15-001
 TANYA &
 D. L. & D. M. TRAVIS
 1405 MAIN ST.
 GRAND JUNCTION, CO. 81501-4640

2945-133-10-020
 RALPH J. BARTHOLOMEW
 1402 MAIN ST.
 GRAND JUNCTION, CO. 81501-4641

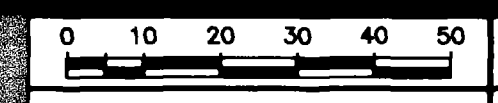
2945-133-10-001
 DEANNA JENNE INGLIS
 1405 ROOD AVE.
 GRAND JUNCTION, CO. 81501-4526

M.H. L-4
 8" CLAY IN W. = -4.4' FROM RIM (NO FLOW)
 8" CLAY IN E. = -4.4' FROM RIM
 21" CONC. IN N. = -8.04' FROM RIM
 21" CONC. OUT S. = -8.07' FROM RIM
 OLD CONC. M. H. IN FAIR SHAPE BOTTOM
 CORRODED SOME AND STAIRS ARE RUSTED AWAY

(20.2) Rehabilitate sanitary sewer line per Special Provisions.
 (62.9) Provide structural rehabilitation of manhole per Special Provisions.

ASBUILT
5-8-98

REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION B		
REVISION C		



WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
SEWER PLAN
 14TH ST. COLORADO AVE TO ROOD AVE

SHEET 3
 FILENAME
 96SRI-03.DWG

M.H. L-3
 15" CLAY IN NE. = -7.14' FROM RIM
 21" CONC. IN N. = -7.85' FROM RIM
 21" CONC. OUT S. = -7.87' FROM RIM
 OLD CONC. M. H. WITH CORRODED SIDES
 AND BOTTOM HAS NEWER COMPOSITE STAIRS

M.H. A-2
 18" CONC. IN E. = -8.40' FROM RIM
 21" CONC. OUT S. = -8.93' FROM RIM
 10" CONC. IN N. = -8.13' FROM RIM (NO FLOW)
 OLD CONC. M. H. WITH SIDES AND BOTTOM
 CORRODED SLIGHTLY, AND STAIRS BADLY RUSTED.

2945-133-06-016
 R. A. PAIGE &
 MARILYN SCHORN
 1360 ROOD AVE.
 GRAND JUNCTION, CO. 81501-4525

2945-133-06-008
 EARL T. & D. L. NOE
 1361 WHITE AVE.
 GRAND JUNCTION, CO.
 801501-4537

2945-133-03-015
 LESLIE H. SPURLIN
 1360 WHITE AVE.
 GRAND JUNCTION, CO. 81501-4538

2945-133-03-008
 KENT A. & EARL TOMPKINS
 1361 GRAND AVE.
 GRAND JUNCTION, CO 81501-4511

M.H. L-4
 8" CLAY IN W. = -4.4' FROM RIM (NO FLOW)
 8" CLAY IN E. = -4.4' FROM RIM
 21" CONC. IN N. = -8.04' FROM RIM
 21" CONC. OUT S. = -8.07' FROM RIM
 OLD CONC. M. H. IN FAIR SHAPE BOTTOM
 CORRODED SOME AND STAIRS ARE RUSTED AWAY

M.H. M-3
 6" TILE IN E. = -6.04' FROM RIM
 6" TILE IN W. = -6.04' FROM RIM
 21" CONC. IN N. = -7.65' FROM RIM
 21" CONC. OUT S. = -7.70' FROM RIM
 OLD CONC. M. H. CORRODED SLIGHTLY.

M.H. N-3
 8" CLAY IN E. = -6.07' FROM RIM
 8" CLAY IN W. = -6.00' FROM RIM
 21" CONC. IN N. = -8.09' FROM RIM
 21" CONC. OUT S. = -8.09' FROM RIM
 OLD CONC. M. H. IN GOOD CONDITION
 STAIRS ARE RUSTED AWAY.
 (94 VIDEO REPORT INDICATES BAD CORROSION)

M.H. O-4
 6" CLAY IN E. = -6.10' FROM RIM
 21" CONC. IN N. = -7.95' FROM RIM
 21" CONC. OUT S. = -8.05' FROM RIM
 OLD CONC. M. H. IN GOOD SHAPE
 STAIRS RUSTED SOME.

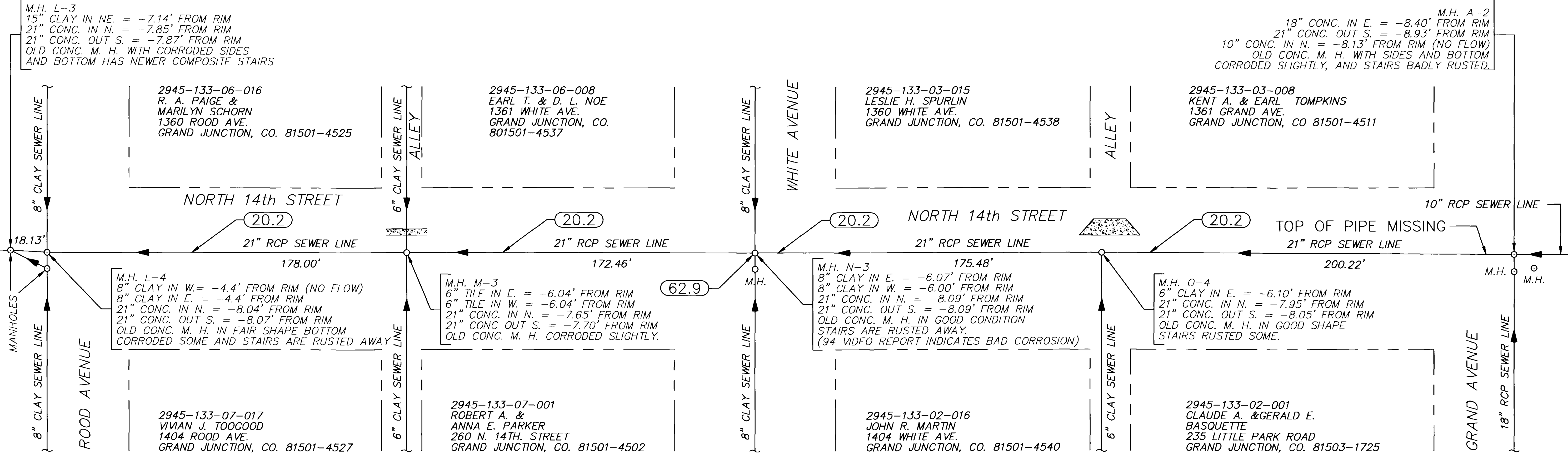
2945-133-07-017
 VIVIAN J. TOOGOOD
 1404 ROOD AVE.
 GRAND JUNCTION, CO. 81501-4527

2945-133-07-001
 ROBERT A. &
 ANNA E. PARKER
 260 N. 14TH. STREET
 GRAND JUNCTION, CO. 81501-4502

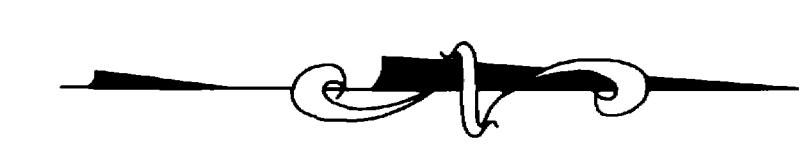
2945-133-02-016
 JOHN R. MARTIN
 1404 WHITE AVE.
 GRAND JUNCTION, CO. 81501-4540

2945-133-02-001
 CLAUDE A. & GERALD E.
 BASQUETTE
 235 LITTLE PARK ROAD
 GRAND JUNCTION, CO. 81503-1725

MATCH SHEET #3

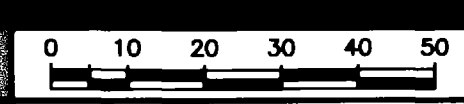


- (20.2) Rehabilitate sanitary sewer line per Special Provisions.
- (62.9) Provide structural rehabilitation of manhole per Special Provisions.



ASBUILT
5-8-98

REVISION	DESCRIPTION	DATE
REVISION Δ	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION Δ		
REVISION Δ		



WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
SEWER PLAN
 14TH ST: ROOD AVE TO GRAND AVE

SHEET 4
 FILENAME
 96SRI-04.DWG

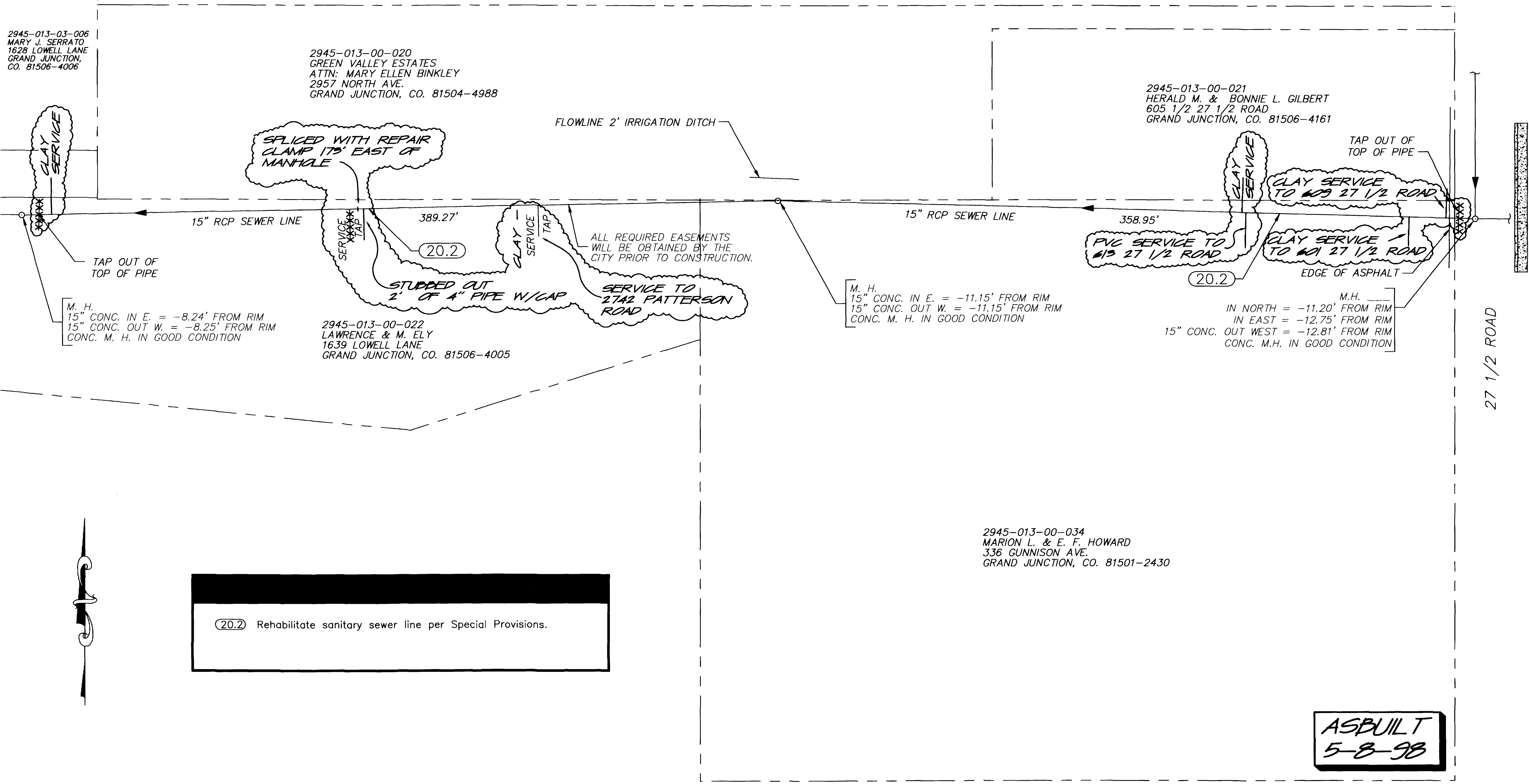
2945-013-03-006
 MARY J. SERRATO
 1628 LOWELL LANE
 GRAND JUNCTION,
 CO. 81506-4006

2945-013-00-020
 GREEN VALLEY ESTATES
 ATTN: MARY ELLEN BINKLEY
 2957 NORTH AVE.
 GRAND JUNCTION, CO. 81504-4988

2945-013-00-021
 HERALD M. & BONNIE L. GILBERT
 605 1/2 27 1/2 ROAD
 GRAND JUNCTION, CO. 81506-4161

2945-013-00-022
 LAWRENCE & M. ELY
 1639 LOWELL LANE
 GRAND JUNCTION, CO. 81506-4005

2945-013-00-034
 MARION L. & E. F. HOWARD
 336 GUNNISON AVE.
 GRAND JUNCTION, CO. 81501-2430

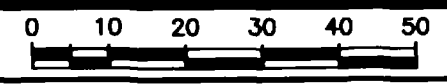


(20.2) Rehabilitate sanitary sewer line per Special Provisions.

ASBUILT
 5-8-98

REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION B		
REVISION C		

HORIZONTAL
 VERTICAL



WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
 SEWER PLAN
 LOWELL LANE: 1628 TO 27 1/2 ROAD

SHEET 5
 FILENAME
 96SR1-05.DWG

2945-232-00-945
 CITY OF GRAND JUNCTION
 250 N. 5TH. ST.
 GRAND JUNCTION, CO. 81501-2628



2945-232-01-009
 WILLIAM R. SR &
 WILLIAM R. JR &
 BETTY LOU JARVIS
 2491 S. BROADWAY
 GRAND JUNCTION, CO. 81503-2782

2945-232-01-010
 WILLIAM R. JARVIS
 2491 BROADWAY
 GRAND JUNCTION, CO. 81503-2782

2945-232-00-077
 WILLIAM R. JARVIS
 2491 BROADWAY
 GRAND JUNCTION, CO. 81503-2782

M.H. C-1 (#22)
 24" CONC. IN NE. = -3.84' FROM RIM
 24" CONC. OUT W. = -3.95' FROM RIM
 OLD CORRODED CONC. SHALLOW M.H.
 NO STAIRS EXISTING

US HIGHWAY 50 / 5th STREET

COLORADO DEPARTMENT OF
 TRANSPORTATION ROW

SPRINKLER HEAD

- (20.2) Rehabilitate sanitary sewer line per Special Provisions.
- (61.2) Provide manhole corrosion protection per Special Provisions.
- (65.1) Construct standard 5' diameter manhole.
- (202.21) Remove manhole.

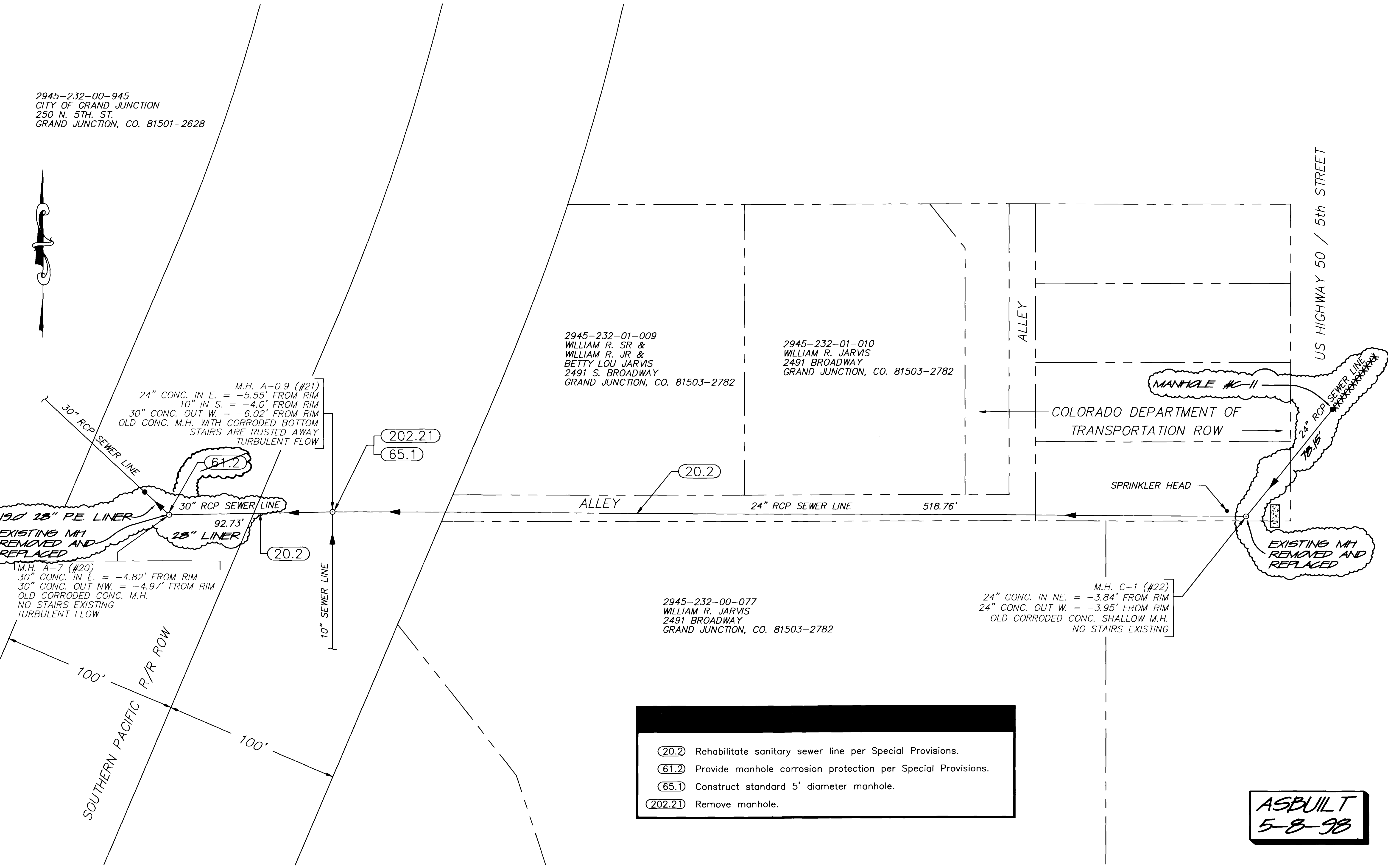
ASBUILT
5-8-98

M.H. A-0.9 (#21)
 24" CONC. IN E. = -5.55' FROM RIM
 10" IN S. = -4.0' FROM RIM
 30" CONC. OUT W. = -6.02' FROM RIM
 OLD CONC. M.H. WITH CORRODED BOTTOM
 STAIRS ARE RUSTED AWAY
 TURBULENT FLOW

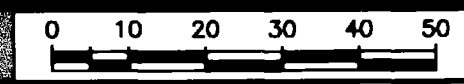
M.H. A-7 (#20)
 30" CONC. IN E. = -4.82' FROM RIM
 30" CONC. OUT NW. = -4.97' FROM RIM
 OLD CORRODED CONC. M.H.
 NO STAIRS EXISTING
 TURBULENT FLOW

EXISTING MH
 REMOVED AND
 REPLACED

EXISTING MH
 REMOVED AND
 REPLACED



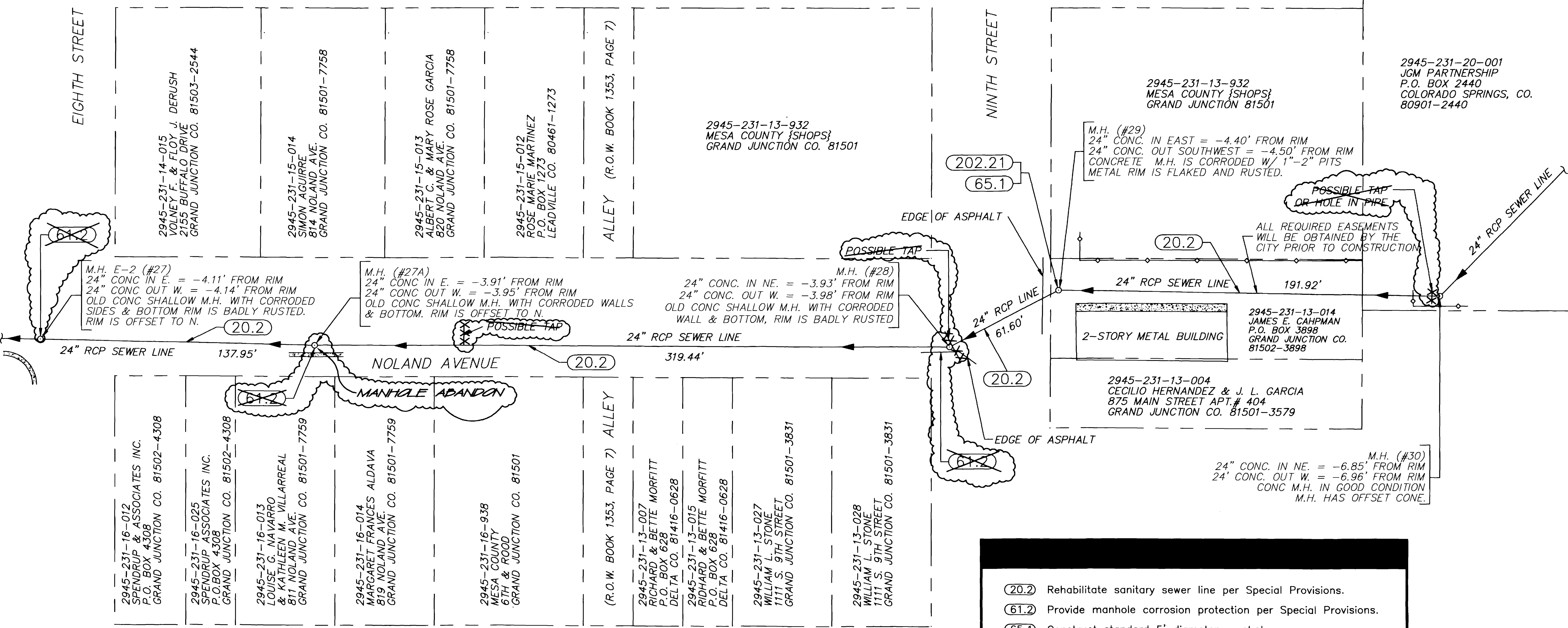
REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION B		
REVISION C		



WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
 SEWER PLAN
 NOLAND ALLEY: RAILROAD TO 5TH ST

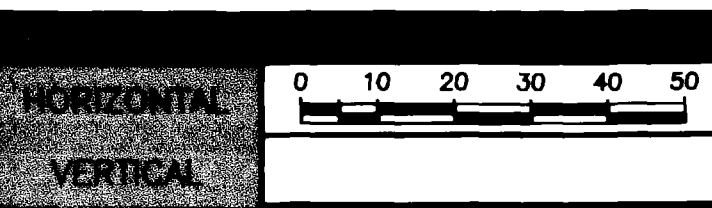
SHEET 6
 FILENAME
 96SRI-06.DWG



- (20.2) Rehabilitate sanitary sewer line per Special Provisions.
- (61.2) Provide manhole corrosion protection per Special Provisions.
- (65.1) Construct standard 5' diameter manhole.
- (202.21) Remove manhole.

ASBUILT
5-8-98

REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION B		
REVISION C		



WILLIAMS ENGINEERING
1231 19 ROAD, FRUITA, COLORADO 81521-9689
(970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
SEWER PLAN
NOLAND AVENUE: 8TH ST TO 9TH ST

SHEET 2
FILENAME 96SRI-07.DWG

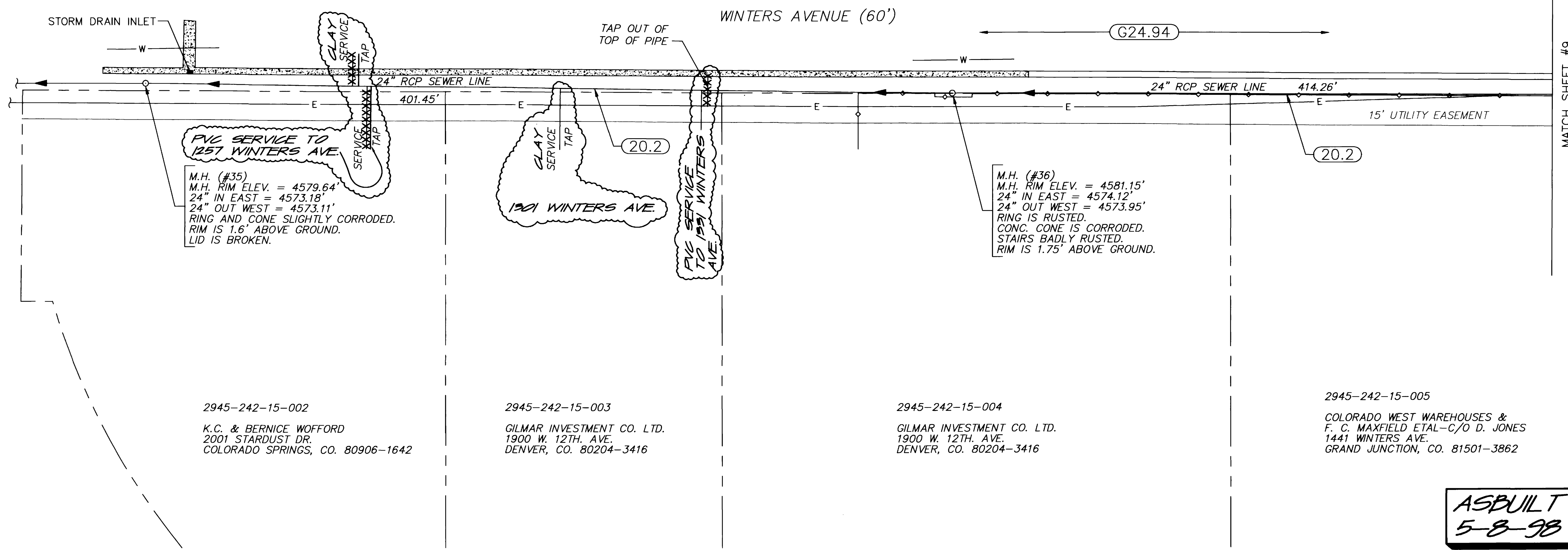
(20.2) Rehabilitate sanitary sewer line per Special Provisions.

(G24.94) Not all sewer services may be shown. The Contractor shall locate all active services and provide as-constructed locations for all types.

2945-242-12-015
CACTUS COATING INC.
1031 S. 15TH. ST.
GRAND JUNCTION, CO. 81501-4607

2945-242-12-013
THE CHESTER W. NORTZ REVOCABLE TRUST
C/O CAPCO INC.
1328 WINTERS AVE.
GRAND JUNCTION, CO. 81501-3861

2945-242-12-014
LUXURY WHEELS O E PLATING INC.
1440 WINTERS AVE.
GRAND JUNCTION, CO 81501-3863



2945-242-15-002
K.C. & BERNICE WOFFORD
2001 STARDUST DR.
COLORADO SPRINGS, CO. 80906-1642

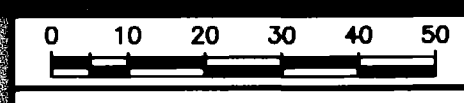
2945-242-15-003
GILMAR INVESTMENT CO. LTD.
1900 W. 12TH. AVE.
DENVER, CO. 80204-3416

2945-242-15-004
GILMAR INVESTMENT CO. LTD.
1900 W. 12TH. AVE.
DENVER, CO. 80204-3416

2945-242-15-005
COLORADO WEST WAREHOUSES &
F. C. MAXFIELD ETAL-C/O D. JONES
1441 WINTERS AVE.
GRAND JUNCTION, CO. 81501-3862

ASBUILT
5-8-98

REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTORS PLANS	5-8-98
REVISION B		
REVISION C		



WILLIAMS ENGINEERING
1231 19 ROAD, FRUITA, COLORADO 81521-9689
(970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
SEWER PLAN
WINTERS AVENUE: 13TH ST TO 15TH ST

SHEET 8
FILENAME
96SRI-08.DWG

2945-242-15-005

COLORADO WEST WAREHOUSES &
F. C. MAXFIELD ETAL-C/O D. JONES
1441 WINTERS AVE.
GRAND JUNCTION, CO. 81501-3862

WINTERS AVENUE

15' UTILITY EASEMENT

2945-242-12-014

LUXURY WHEELS O E PLATING INC.
1440 WINTERS AVE.
GRAND JUNCTION, CO 81501-3863

2945-242-12-015

CACTUS COATING INC.
1031 S. 15TH. ST.
GRAND JUNCTION, CO. 81501-4607

(20.2) Rehabilitate sanitary sewer line per Special Provisions.
(G24.94) Not all sewer services may be shown. The Contractor shall locate all active services and provide as-constructed locations for all types.

PVC SERVICE

MATCH SHEET #8

(20.2)

M.H. (#37)
M.H. RIM ELEV. = 4580.82'
24" IN EAST = 4575.22'
24" OUT WEST = 4575.12'
RING IS RUSTED.
CONC. CONE IS CORRODED SOME.
STAIRS MOSTLY RUSTED AWAY.
M.H. IS FLUSH W/ GROUND.

M.H.
M.H. RIM ELEV. = 4581.04
24" IN NORTH = 4576.54
24" OUT WEST = 4576.44

(G24.94)

4580.65

WATER LINE

24" PVC

ABANDONED

84.95' x 4580.32

30" RCP SEWER LINE

10' UTILITY EASEMENT

VACATED ROAD R.O.W.

M.H. RIM ELEV. = 4580.49'
30" IN NORTH = 4575.67'
24" OUT WEST = 4575.51'
M.H. IS FLUSH W/ GROUND.
CONC. CONE IS BADLY CORRODED.

4580.22

4580.47

4581.00

15th STREET

2945-242-00-921

STATE OF COLORADO DEPT. OF HEALTH
GRAND JUNCTION, CO. 81501

2945-242-00-233

A & G PARTNERSHIP
3324 E 1/4 ROAD
CLIFTON, CO. 81520-8015

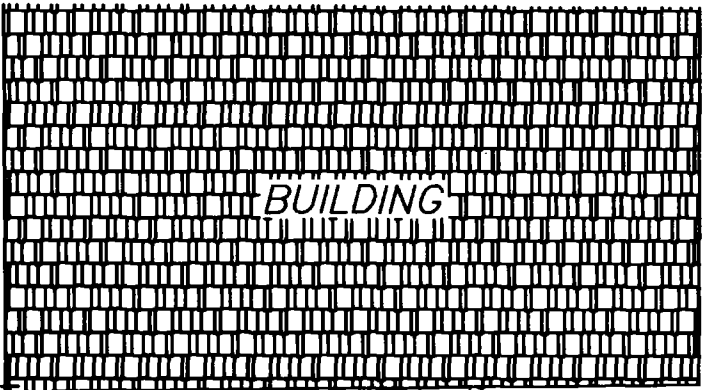
2945-242-12-027

GUTH-MEYER PARTNERSHIP
727 BIRDIE DR.
GRAND JUNCTION, CO. 81506-1859

15' UTILITY EASEMENT AS
RECORDED IN BOOK 718, AT
PAGE 104, MESA COUNTY RECORDS

24" RCP SEWER LINE

M.H. RIM ELEV. = 4582.20'
30" IN NORTH = 4577.40'
24" OUT SOUTH = 4576.21'



CONCRETE AREA

BLDG

PVC SERVICE TAPS

M.H. RIM ELEV. = 4583.17'
30" IN NORTH = 4577.96'
30" OUT SOUTH = 4577.94'
18" PVC IN EAST = 4578.57'
CONCRETE CONE IS CORRODED.
RIM IS IN A MOUND OF DIRT, 1.2' HIGH

POSSIBLE BURIED MH

(20.2)

30" RCP SEWER LINE

259.83

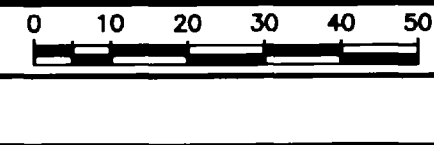
264.75'

ASPHALT DRIVE

30" RCP SEWER LINE

18" PVC SEWER LINE (CENTRAL GRAND VALLEY)

18" PVC SEWER LINE (Central Grand Valley)



WILLIAMS ENGINEERING
1231 19 ROAD, FRUITA, COLORADO 81521-9689
(970) 858-1014 PHONE (970) 858-1007 FAX

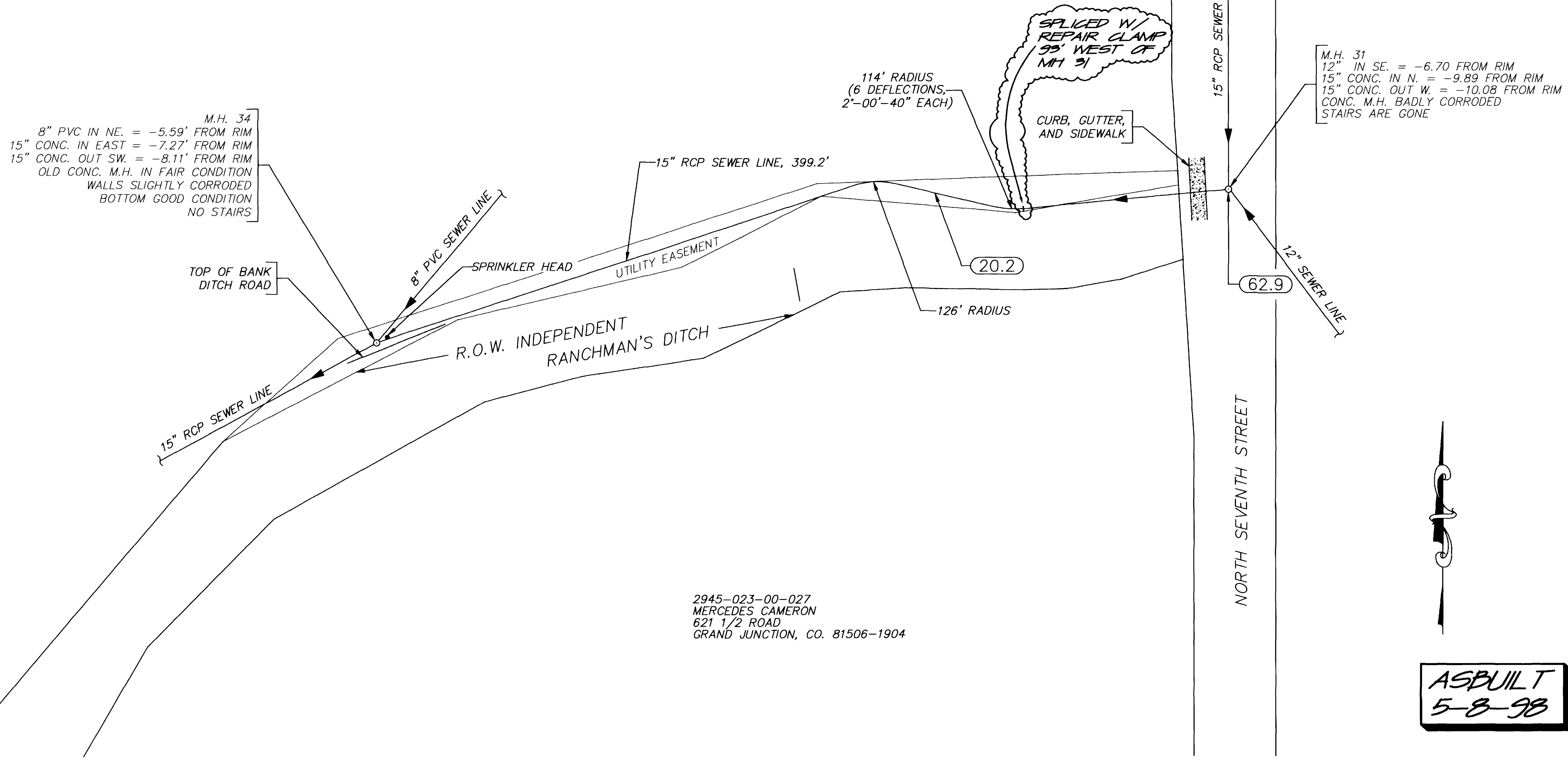
1996 SEWER LINE REHABILITATION
SEWER PLAN
15TH ST: FROM WINTERS AVE NORTH

SHEET 2
FILENAME
96SRI-09.DWG

ASBUILT
5-8-98

- (20.2) Rehabilitate sanitary sewer line per Special Provisions.
- (62.9) Provide structural rehabilitation of manhole per Special Provisions.

2945-023-24-002
 MESA VIEW RETIREMENT RESIDENCE
 P.O. BOX 14111
 SALEM, OR. 97309-5026



2945-023-00-027
 MERCEDES CAMERON
 621 1/2 ROAD
 GRAND JUNCTION, CO. 81506-1904



ASBUILT
5-8-98

REVISION	DESCRIPTION	DATE
REVISION A	ASBUILT PER INSPECTOR'S PLANS	5-8-98
REVISION B		
REVISION C		



WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
 SEWER PLAN
 RANCHMAN'S DITCH: FROM 7TH ST WEST

SHEET 10
 FILENAME
 96SRI-10.DWG

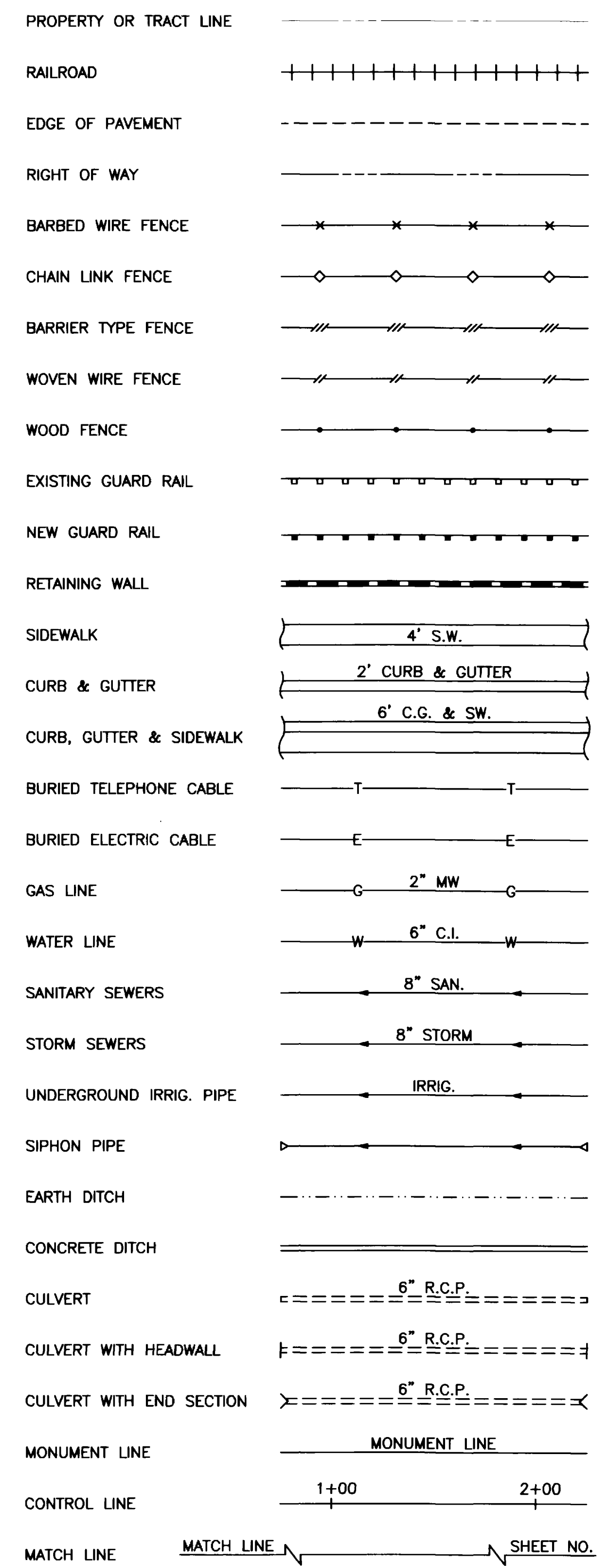
DRAFTING STANDARDS AND ABBREVIATIONS

BLOCKS

BLOCK NAME	BLOCK NAME
REDUCER FITTING	REDUCER
CURB STOP	CURBSTOP
PULL BOX	PULL
TRAFFIC SIGNAL POLE	SIGNAL
SIGN OR POST	SIGN
TELEPHONE MANHOLE	TELEMAN
MANHOLE	MANHOLE
BENCH MARK	BENCH
SPRINKLER HEAD	HEAD
MAILBOX	MAILBOX
IRRIGATION PUMP	IRRUMP
TREE STUMP	STUMP
LIGHT STANDARD	LITE
FIRE HYDRANT	HYDRANT
EXISTING WATER VALVE	OVALVE
NEW WATER VALVE	VALVE
TELEPHONE CONTROL BOX	TELEBOX
POWER POLE	POWER
GUY WIRE ANCHOR	GUY
TREE	TREE
HEDGE OR BUSH	BUSH
SURVEY MARKER	MCSM
WATER METER	WATERMETER
WATER HYDRANT	WATERHYDRANT
PROPERTY PIN	PIN
YARD LIGHT	YLITE
CATCH BASIN	GRATE
ARROW HEAD	AROW
BARB WIRE FENCE SYMBOL	BARB
CHAIN LINK FENCE SYMBOL	CHAIN
BARRIER FENCE SYMBOL	BARRIER
WOVEN FENCE SYMBOL	WOVEN
WOOD FENCE SYMBOL	WOOD
EXISTING GUARD RAIL POST	GUARD
NEW GUARD RAIL POST	NEWGUARD
RAILROAD TIE SYMBOL	RAIL
NORTH ARROW	SEE THIS SHEET
BAR SCALE	SEE THIS SHEET
SCALE	SCALE

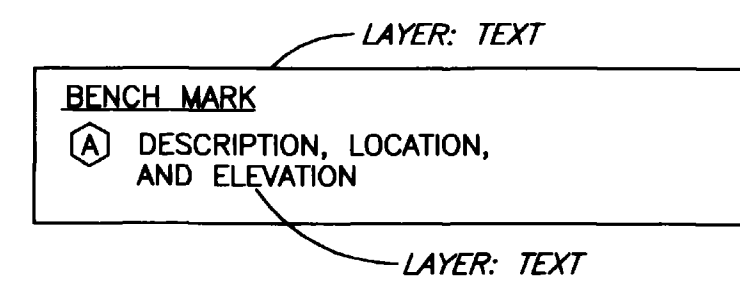
ENTITY DESCRIPTION

LINE TYPE	BLOCK	SPACING
PROPERTY OR TRACT LINE	ROW	-
RAILROAD	CONTINUOUS RAIL	4
EDGE OF PAVEMENT	DASHED	-
RIGHT OF WAY	ROW	-
BARBED WIRE FENCE	CONTINUOUS BARB	15
CHAIN LINK FENCE	CONTINUOUS CHAIN	15
BARRIER TYPE FENCE	CONTINUOUS BARRIER	15
WOVEN WIRE FENCE	CONTINUOUS WOVEN	15
WOOD FENCE	CONTINUOUS WOOD	15
EXISTING GUARD RAIL	CONTINUOUS GUARD	5
NEW GUARD RAIL	CONTINUOUS NEWGUARD	5
RETAINING WALL	CONTINUOUS RETAIN	6
SIDEWALK	CONTINUOUS	-
CURB & GUTTER	CONTINUOUS	-
CURB, GUTTER & SIDEWALK	CONTINUOUS	-
BURIED TELEPHONE CABLE	CONTINUOUS	-
BURIED ELECTRIC CABLE	CONTINUOUS	-
GAS LINE	CONTINUOUS	-
WATER LINE	CONTINUOUS	-
SANITARY SEWERS	CONTINUOUS AROW	-
STORM SEWERS	CONTINUOUS AROW	-
UNDERGROUND IRRIG. PIPE	CONTINUOUS AROW	-
SIPHON PIPE	CONTINUOUS AROW	-
EARTH DITCH	DIVIDE	-
CONCRETE DITCH	CONTINUOUS	-
CULVERT	DASHED	-
CULVERT WITH HEADWALL	DASHED	-
CULVERT WITH END SECTION	DASHED	-
MONUMENT LINE	CONTINUOUS	-
CONTROL LINE	CONTINUOUS	100
MATCH LINE	CONTINUOUS	-



LIST OF ABBREVIATIONS

<p>AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS AC ASBESTOS CEMENT ASTM AMERICAN SOCIETY FOR TESTING MATERIALS AWWA AMERICAN WATER WORKS ASSOCIATION BC BACK OF CURB BF BUTTERFLY BOW BACK OF WALK BCR BEGIN CURB RETURN BOT BOTTOM CH CHORD CAP CORRUGATED ALUMINUM PIPE CDOT COLORADO DEPARTMENT OF TRANSPORTATION CI CAST IRON CL CENTER LINE CL or CI CLEAR C.O. CLEAN OUT (SEWER SERVICE) CONC CONCRETE CMP CORRUGATED METAL PIPE CSP CORRUGATED STEEL PIPE CG & SW CURB, GUTTER & SIDEWALK CU COPPER CL LONG CHORD CS SHORT CHORD DI DUCTILE IRON DR or DWY DRIVEWAY ELEC ELECTRIC EL or ELEV ELEVATION ECR END CURB RETURN</p>	<p>EP EDGE OF PAVEMENT EX EXISTING FB FULL BODY FF FINISH FLOOR FL FLANGE FTG FOOTING FS FAR SIDE FL FLOW LINE FC FACE OF CURB FG FINISHED GRADE GV GATE VALVE IRRIG IRRIGATION L LENGTH OF ARC LT LEFT LF LINEAR FEET LL LONG ARC LS SHORT ARC MH MANHOLE MJ MECHANICAL JOINT MW MILL WRAP N/A NOT APPLICABLE NS NEAR SIDE NIC NOT IN CONTRACT NRCP NON-REINFORCED CONCRETE PIPE NOP NO ONE PERSON NTS NOT TO SCALE PC POINT OF CURVATURE PI POINT OF INTERSECTION PR PROPOSED</p>	<p>PRC POINT OF REVERSE CURVATURE PT POINT OF TANGENCY PVC POLYVINYL CHLORIDE PCC PORTLAND CEMENT CONCRETE R RADIUS RG RESTRAINED GLANDS RP RADIUS POINT RR RAIL ROAD RCP REINFORCED CONCRETE PIPE REQ'D REQUIRED RT RIGHT ROW RIGHT OF WAY RL LONG RADIUS RS SHORT RADIUS SCH SCHEDULE S SLOPE STA STATION STL STEEL (TYP) TYPICAL T LENGTH OF TANGENT TC TOP OF CURB VC VERTICAL CURVE VCP VITRIFIED CLAY PIPE VPC VERTICAL POINT OF CURVATURE VPI VERTICAL POINT OF INTERSECTION VPT VERTICAL POINT OF TANGENCY Δ DELTA ANGLE</p>
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SHADING LEGEND

SEE INDIVIDUAL PLAN & PROFILE SHEETS

TEXT STYLE DESCRIPTIONS

TEXT	FONT=ROMANS, HEIGHT=2.0, WIDTH FACTOR=1.0 OBLIQUE ANGLE=0°
HEADINGS	FONT=ROMANS, HEIGHT=3.0, WIDTH FACTOR=1.0 OBLIQUE ANGLE=0°
TITLE	FONT=COMPLEX, HEIGHT=4.0, WIDTH FACTOR=1.2 OBLIQUE ANGLE=0°
ASBLT	FONT=ROMANS, HEIGHT=2.0, WIDTH FACTOR=1.0 OBLIQUE ANGLE=20°

PLOTTING PARAMETERS

COLOR NAME	PEN SIZE	SHADING
RED	0.25	45%
YELLOW	0.70	15%
GREEN	0.50	100%
CYAN	0.50	100%
BLUE	0.50	100%
MAGENTA	0.50	100%
WHITE	0.35	100%
8	0.13	100%
9	0.70	100%
10	0.65	100%
11	0.50	60%
12	0.18	100%
13	0.18	100%
14	0.35	20%
15	0.70	45%
16	0.50	45%
17	0.18	100%
18	0.35	30%
22	0.25	100%

LAYER: BORDER

REVISION	DATE
REVISION Δ	
REVISION Δ	
REVISION Δ	

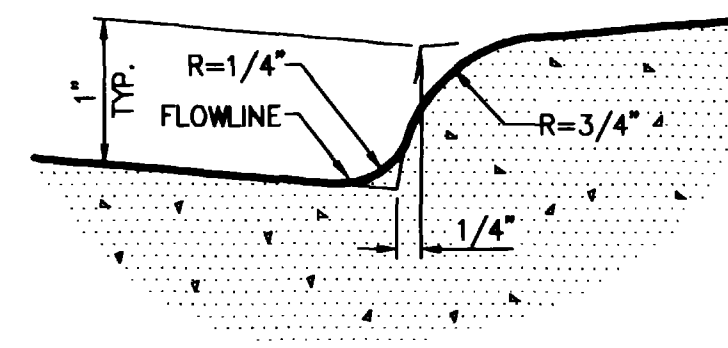
WILLIAMS ENGINEERING
 1231 19 ROAD, FRUITA, COLORADO 81521-9689
 (970) 858-1014 PHONE (970) 858-1007 FAX

1996 SEWER LINE REHABILITATION
SEWER PLAN
 DRAFTING STANDARDS & ABBREVIATIONS

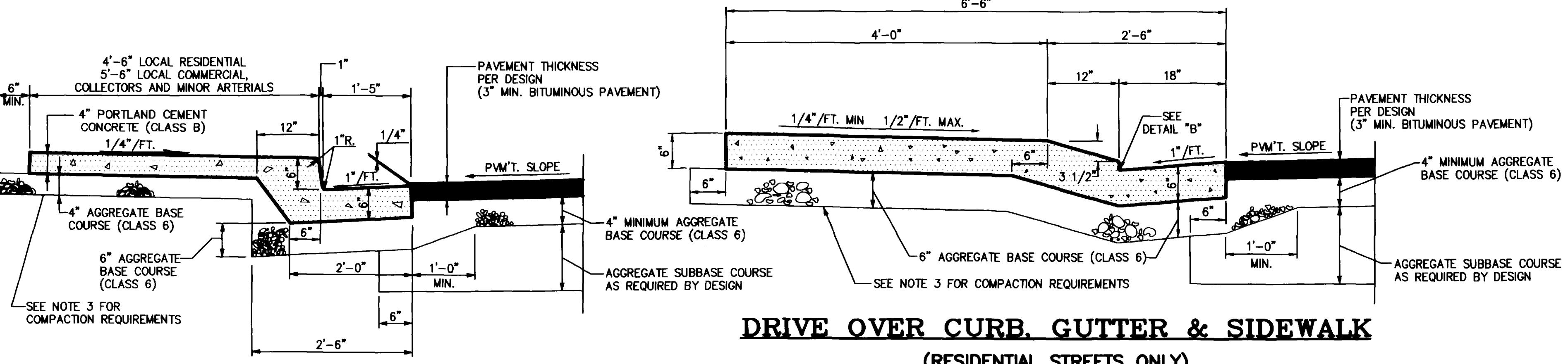
SHEET N/A
 FILENAME
 EX-2-11.DWG

GENERAL NOTES

1. ALL PORTLAND CEMENT CONCRETE SHALL BE COLORADO DIVISION OF HIGHWAYS CLASS "B". ALL CONCRETE SHALL BE MIXED, PLACED, CURED AND TESTED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STREET CONSTRUCTION SPECIFICATIONS.
2. ALL CONCRETE WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A LICENSED CURB, GUTTER & SIDEWALK CONTRACTOR. A PERMIT IS REQUIRED AT EACH LOCATION WHERE CONCRETE IS REMOVED, ALTERED OR PLACED.
3. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, DRAINAGE PANS AND OTHER CONCRETE WORK SHALL BE UNDERLAID WITH AGGREGATE BASE COURSE (CLASS 6) COMPACTED TO AT LEAST 90% OF AASHTO T-180 MAXIMUM DENSITY. SEE DETAILS FOR BASE THICKNESS. THE TOP 6 INCHES OF SUBGRADE UNDER ALL CONCRETE SHALL BE COMPACTED TO AT LEAST 90% OF AASHTO T-99 MAXIMUM DENSITY. ALL SATURATED OR UNSUITABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED.
4. ALL EXISTING PAVEMENT NOT DESIGNATED FOR REMOVAL WHICH IS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN-KIND BY CONTRACTOR.
5. ALL DRIVEWAY CONCRETE (APRON AND SIDEWALK CROSSING) SHALL BE 6 INCHES THICK (MIN.) FOR RESIDENTIAL USES AND 8" THICK (MIN.) FOR ALL OTHER USES.
6. TRANSVERSE EXPANSION JOINTS SHALL BE PROVIDED IN ALL CURBS, GUTTERS, SIDEWALKS, V-PANS, ETC., AT ENDS OF HORIZONTAL CURVES, AT EDGES OF DRIVEWAY SECTIONS AND AT MAXIMUM SPACING OF 100'. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 10' SPACING.
7. VEHICULAR TRAFFIC SHALL BE KEPT OFF NEW CONCRETE FOR A MINIMUM OF FIVE DAYS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
8. AN APPROVED CURING/SEALING COMPOUND SHALL BE APPLIED TO ALL EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING.
9. ALL CONCRETE SHALL BE PROTECTED FROM FREEZING FOR 5 DAYS AFTER BEING PLACED. NO CONCRETE SHALL BE PLACED ON FROZEN GROUND.
10. UNDER NO CIRCUMSTANCES SHALL WATER BE ADDED TO CONCRETE SURFACES DURING FINISHING OPERATIONS.
11. HANDICAP RAMPS SHALL BE INSTALLED AT EACH CORNER OF ALL STREET INTERSECTIONS. SEE EXHIBIT "G" FOR DETAILS.

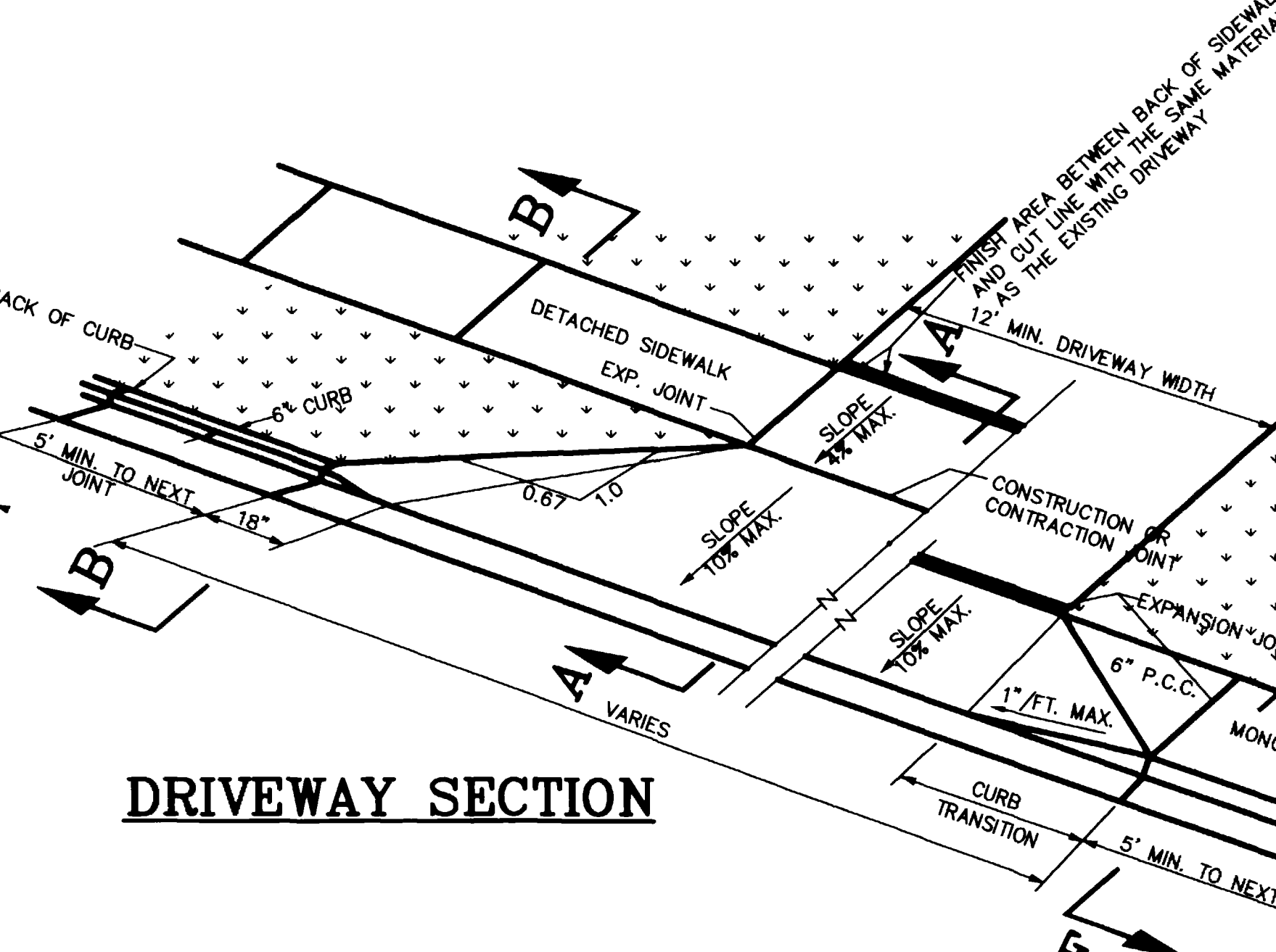


DETAIL "B"

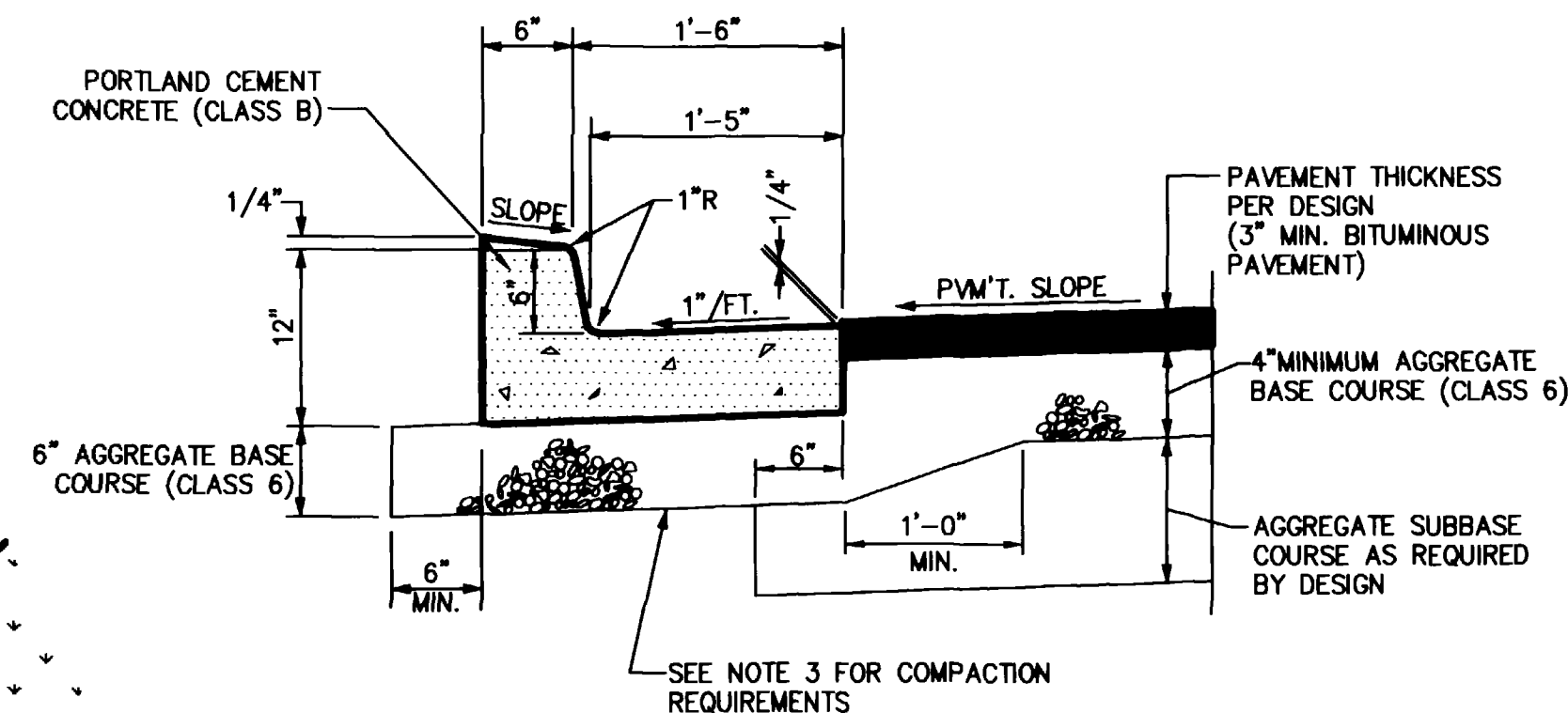


**DRIVE OVER CURB, GUTTER & SIDEWALK
(RESIDENTIAL STREETS ONLY)**

**MONOLITHIC CURB, GUTTER & SIDEWALK
SECTION F-F**



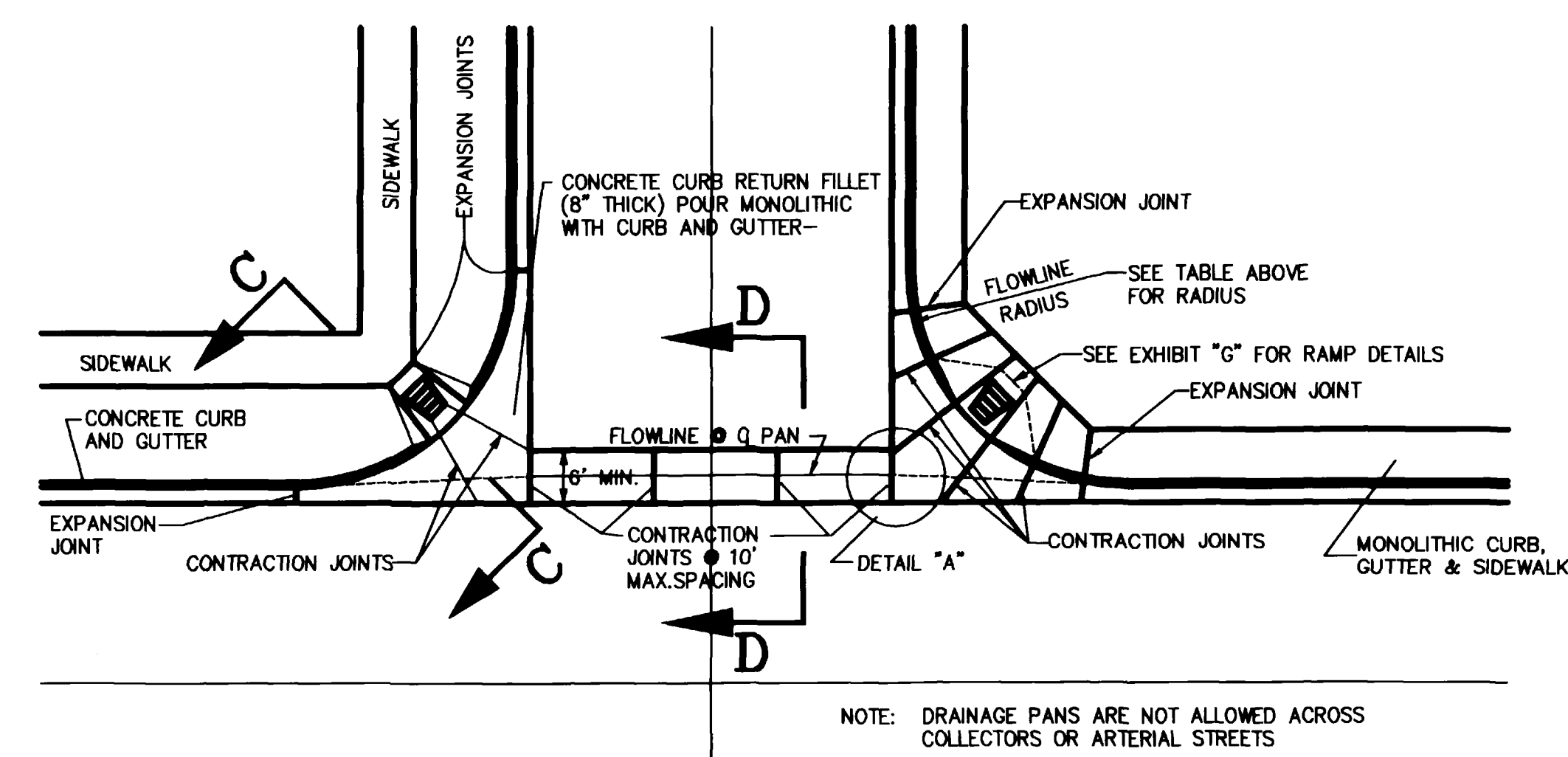
DRIVEWAY SECTION



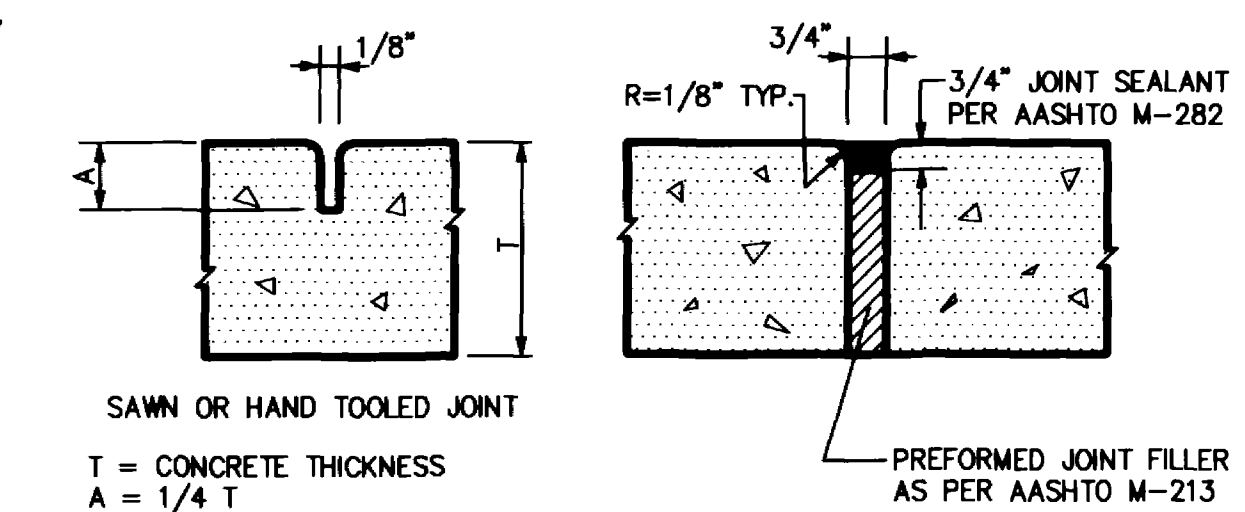
CURB & GUTTER

THROUGH STREET	INTERSECTING STREET				
	ARTERIAL	COLLECTOR	LOCAL RESIDENTIAL	LOCAL COMMERCIAL	LOCAL INDUSTRIAL
ARTERIAL	30'	30'	30'	30'	*
COLLECTOR	-	30'	25'	30'	*
LOCAL RESIDENTIAL	-	-	20'	-	-
LOCAL COMMERCIAL	-	-	20'	30'	*
LOCAL INDUSTRIAL	-	-	20'	*	*

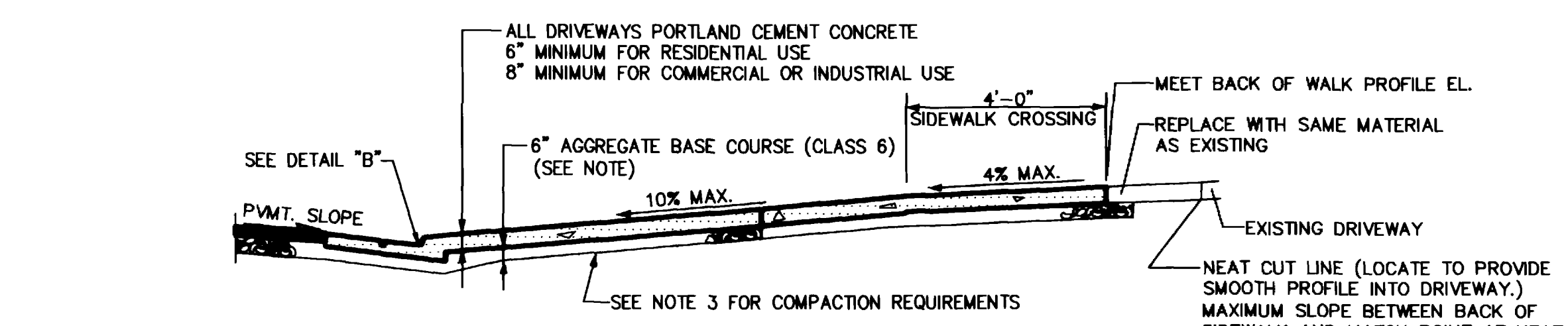
* RADII AT INTERSECTIONS WITH INDUSTRIAL STREETS SHALL BE INDIVIDUALLY DESIGNED BASED ON TURNING REQUIREMENTS FOR WB-50 TRUCKS.



STREET INTERSECTION AND DRAINAGE PAN DETAILS

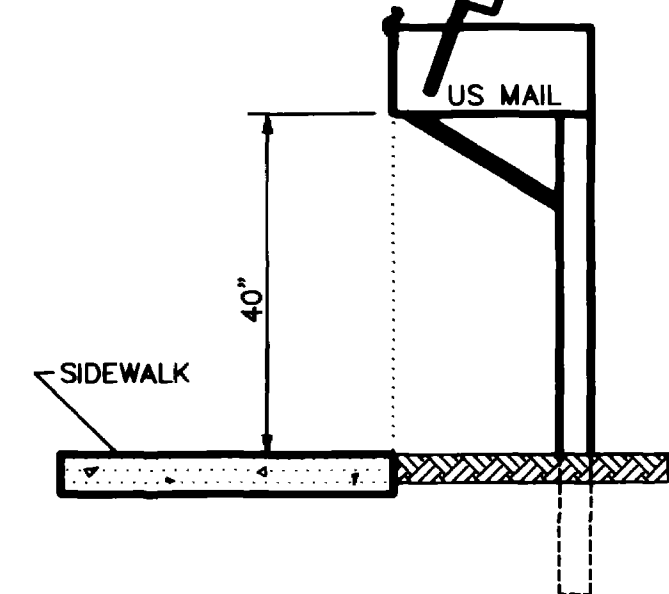


CONCRETE JOINT DETAILS

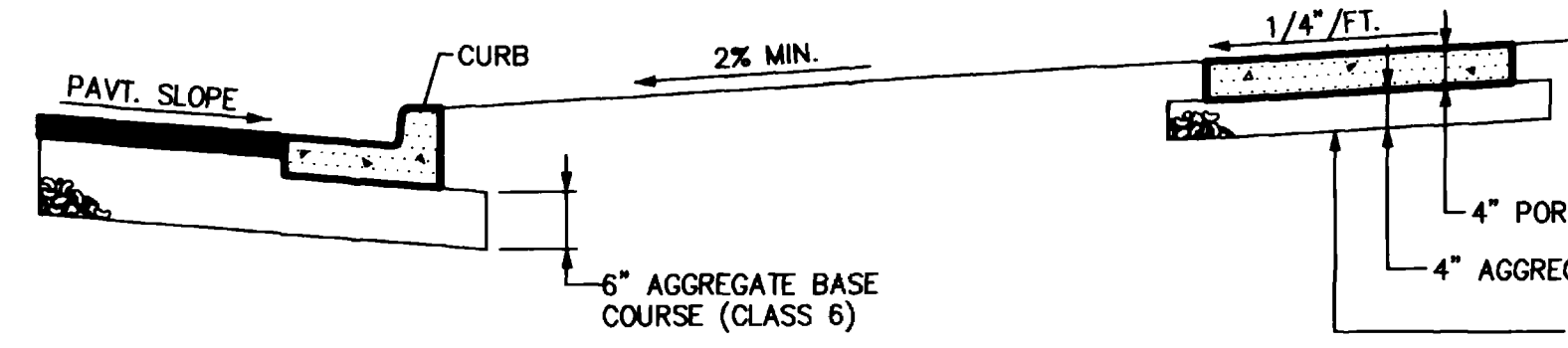


SECTION A-A

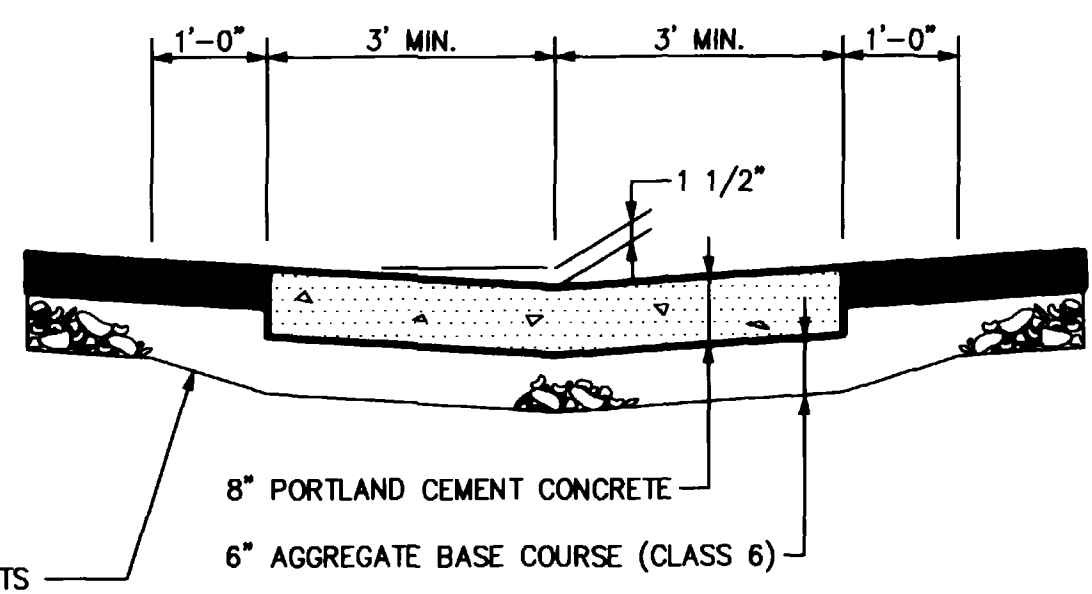
FRONT OF MAIL BOX = BACK OF WALK OR 1' BACK OF CURB WHERE SIDEWALK IS DETACHED



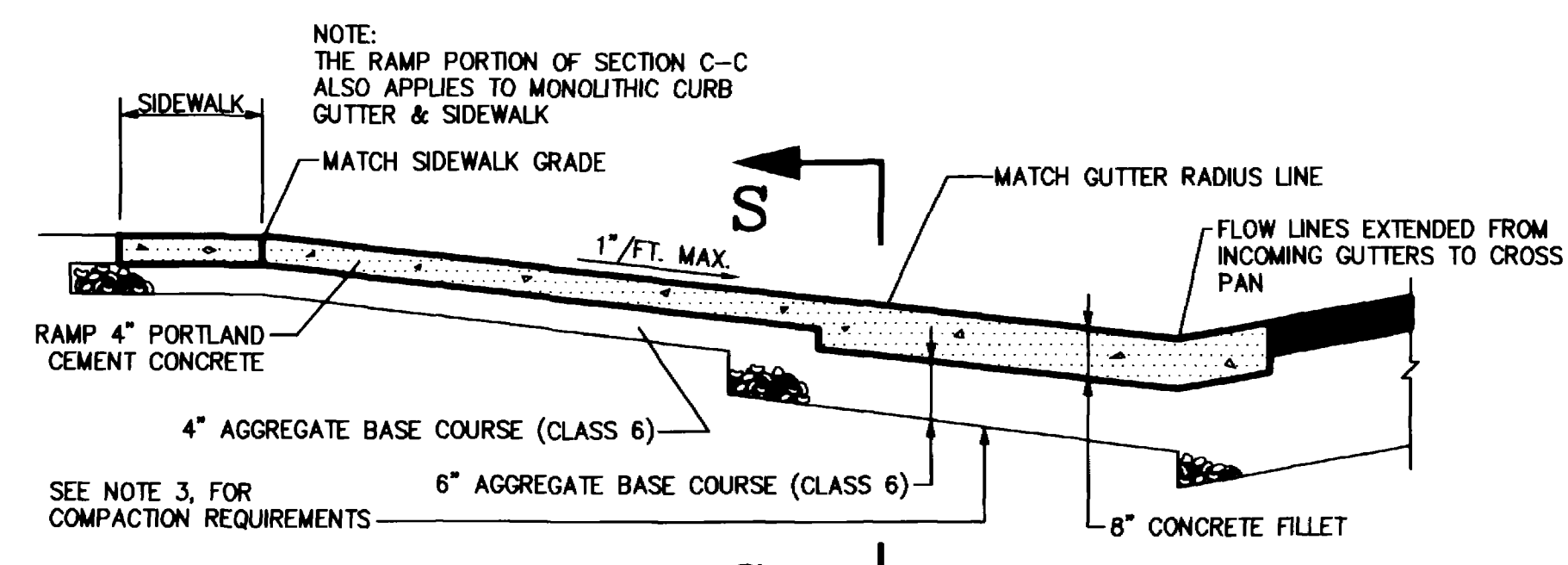
MAIL BOX INSTALLATION



SECTION B-B



SECTION D-D



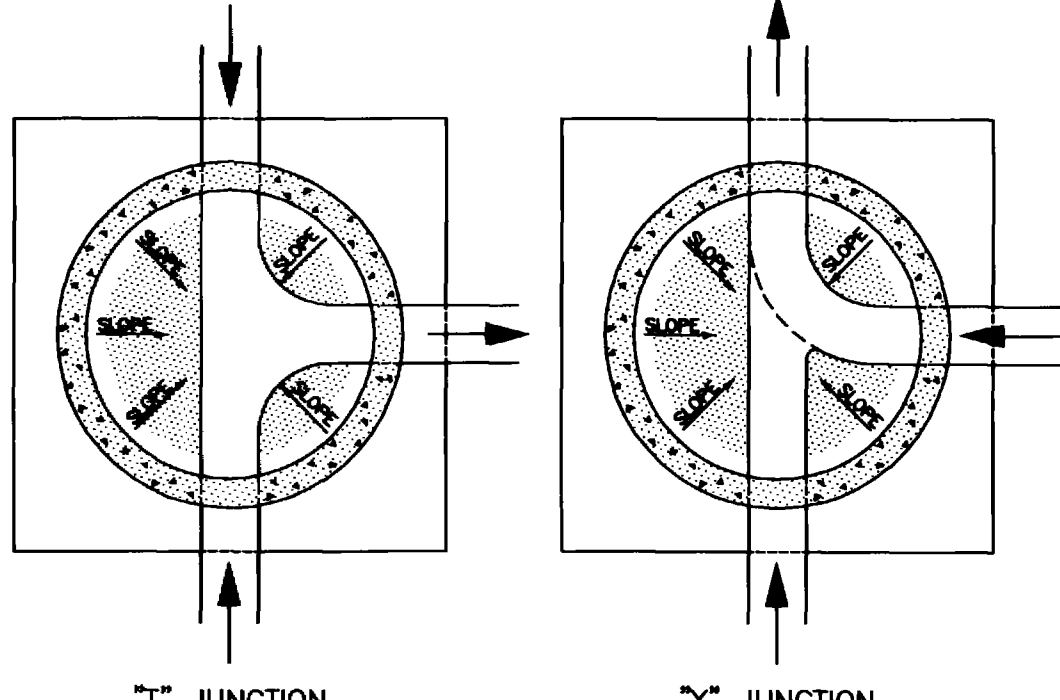
SECTION C-C

DESCRIPTION	DATE	DRAWN BY	N.O.P.	DATE	6/29/92	SCALE
ADOPTED BY CITY COUNCIL RESOLUTION	7/1/92	CHECKED BY	T.A.B.	DATE	6/29/92	PLAN
REVISION	6/15/94	APPROVED BY	J.D.N.	DATE	6/29/92	PROFILE
REVISION		FILED BOOK NO.		PAGE		HORIZ. N.T.S.
REVISION						HORIZ.
						VERT.

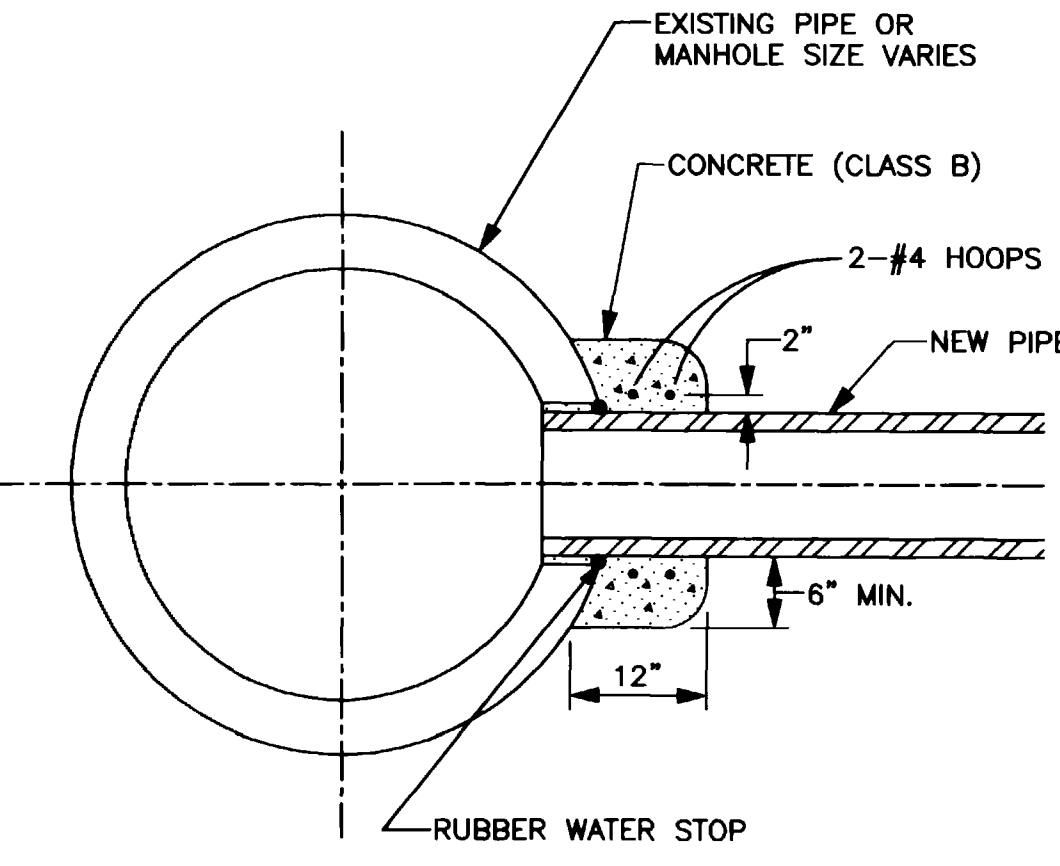
**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION 244-1554
CITY OF GRAND JUNCTION, COLORADO**

**EXHIBIT "E"
STANDARD CONCRETE DETAILS**

SHEET NO. N/A
OF _____
FILE NO. EX-E-11.DWG

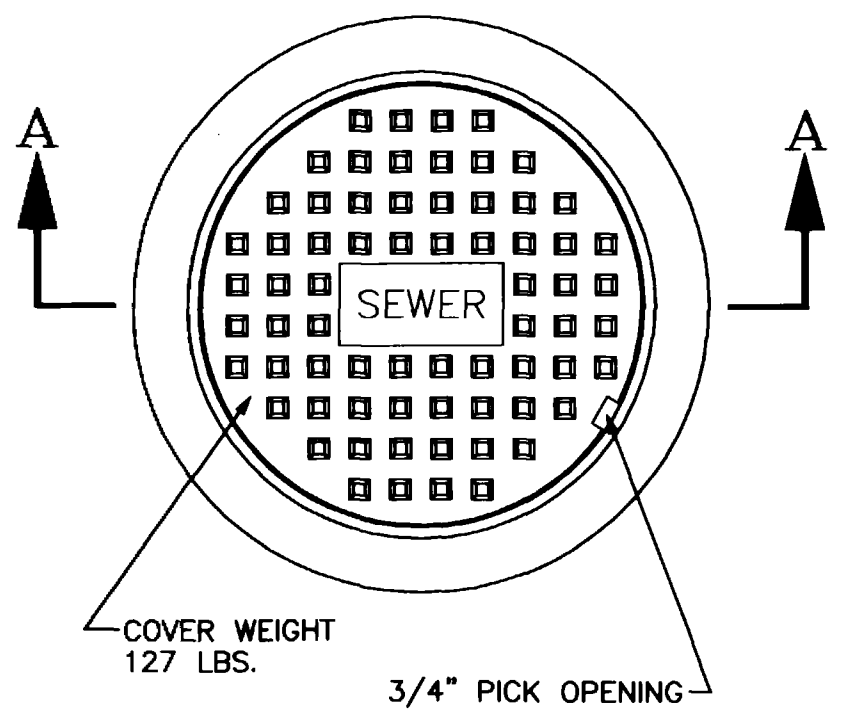


SECTION B-B

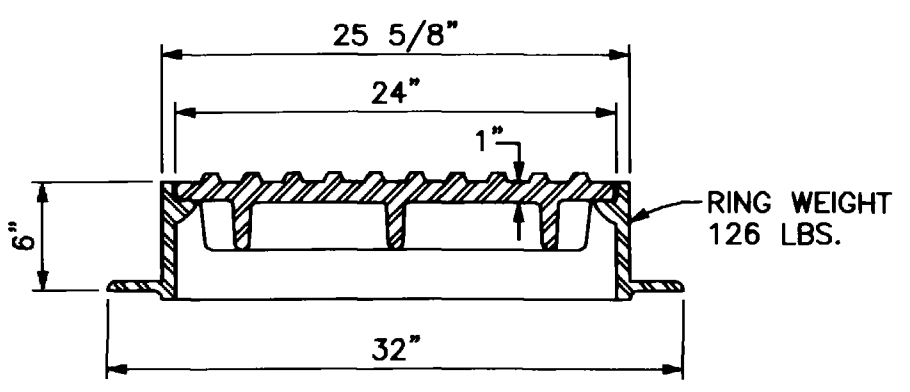


NOTE: IF THE HOLE IN THE EXISTING PIPE OR MANHOLE IS CORED, THE CONNECTION CAN BE MADE BY INSTALLING A FLEXIBLE PIPE TO MANHOLE CONNECTOR ("BOOT") AND THE CONCRETE ENCASEMENT ELIMINATED.

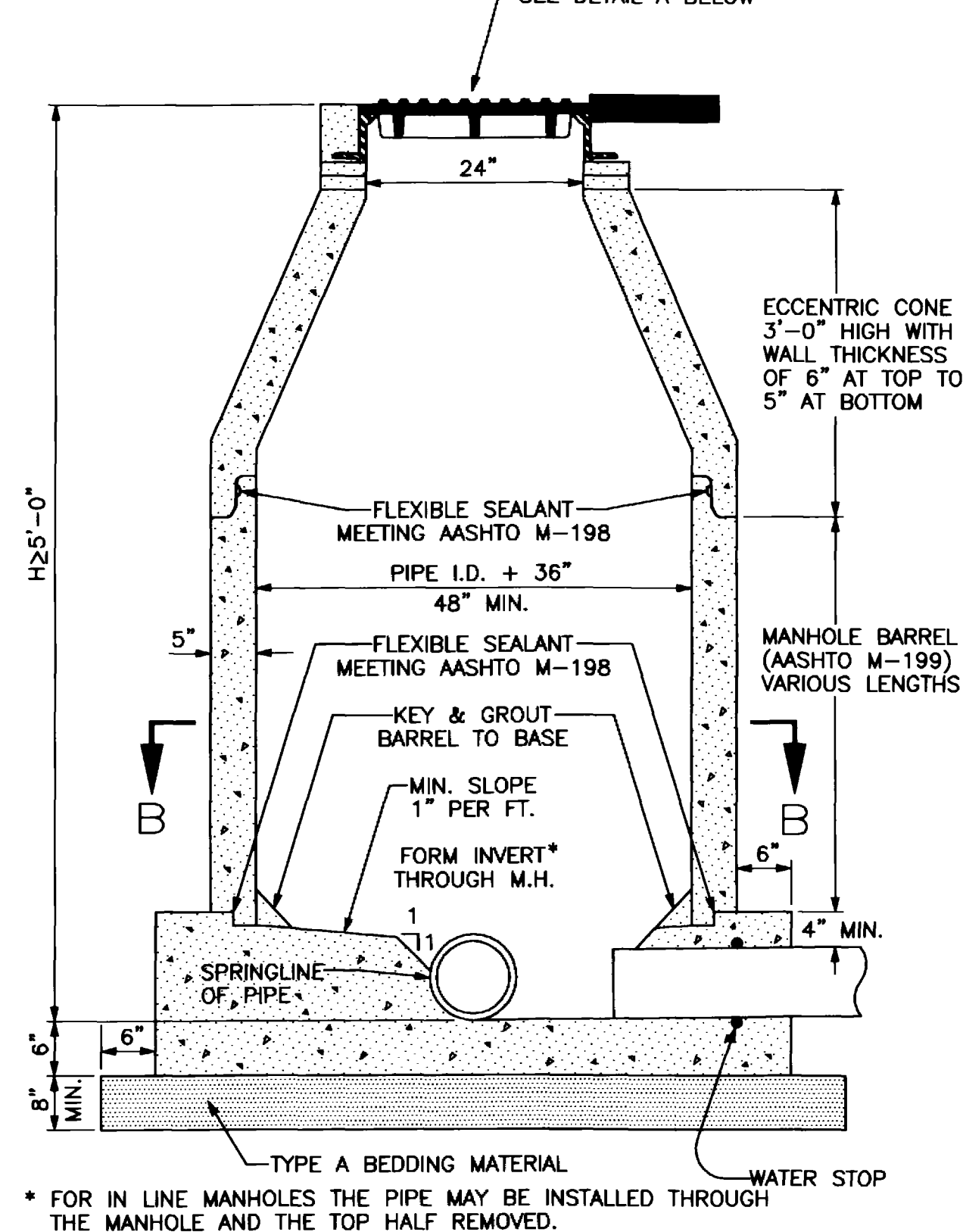
CONNECTION TO EXISTING MANHOLE OR INLET BOX



STANDARD CAST IRON MANHOLE RING & COVER

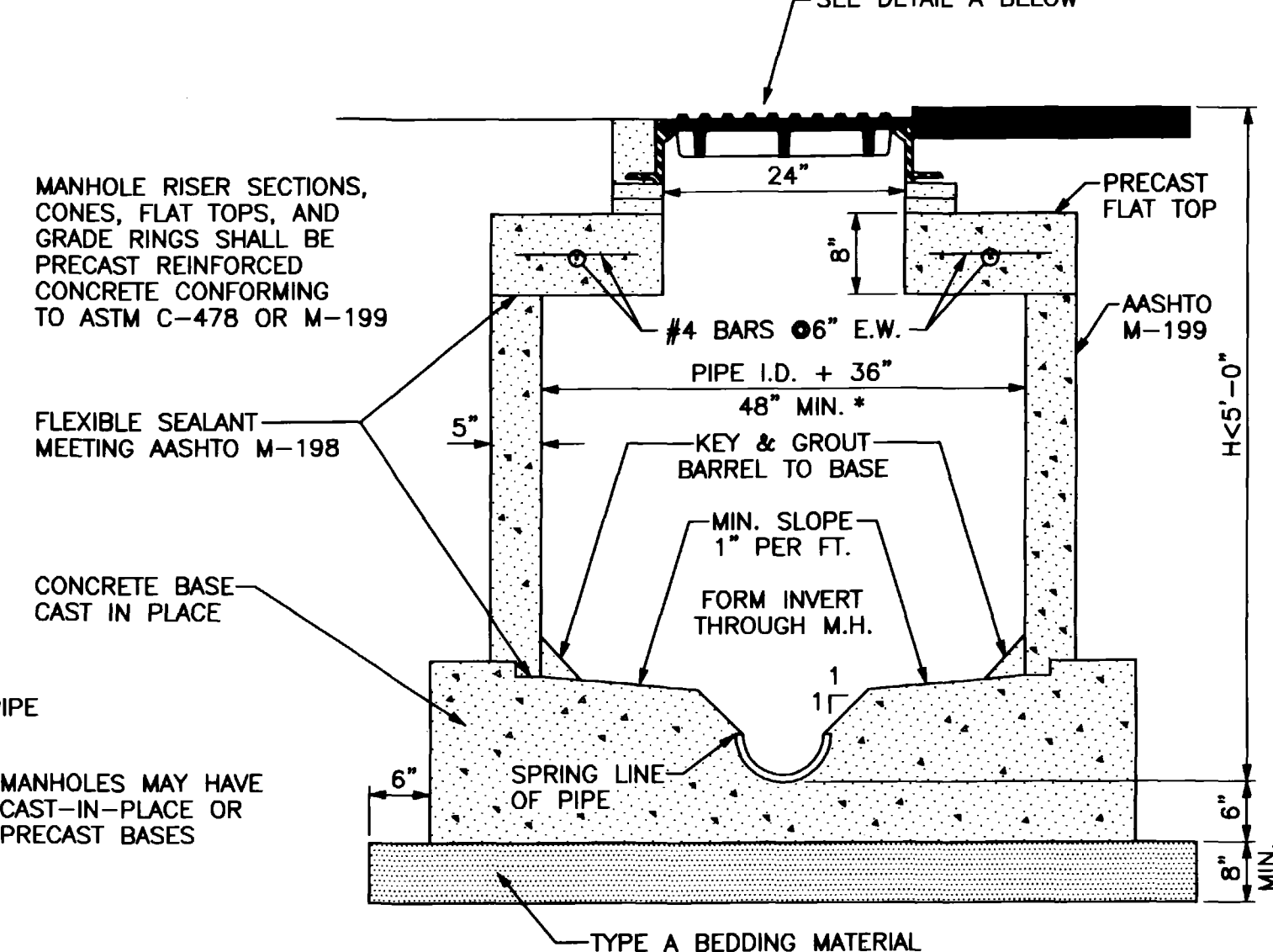


SECTION A-A



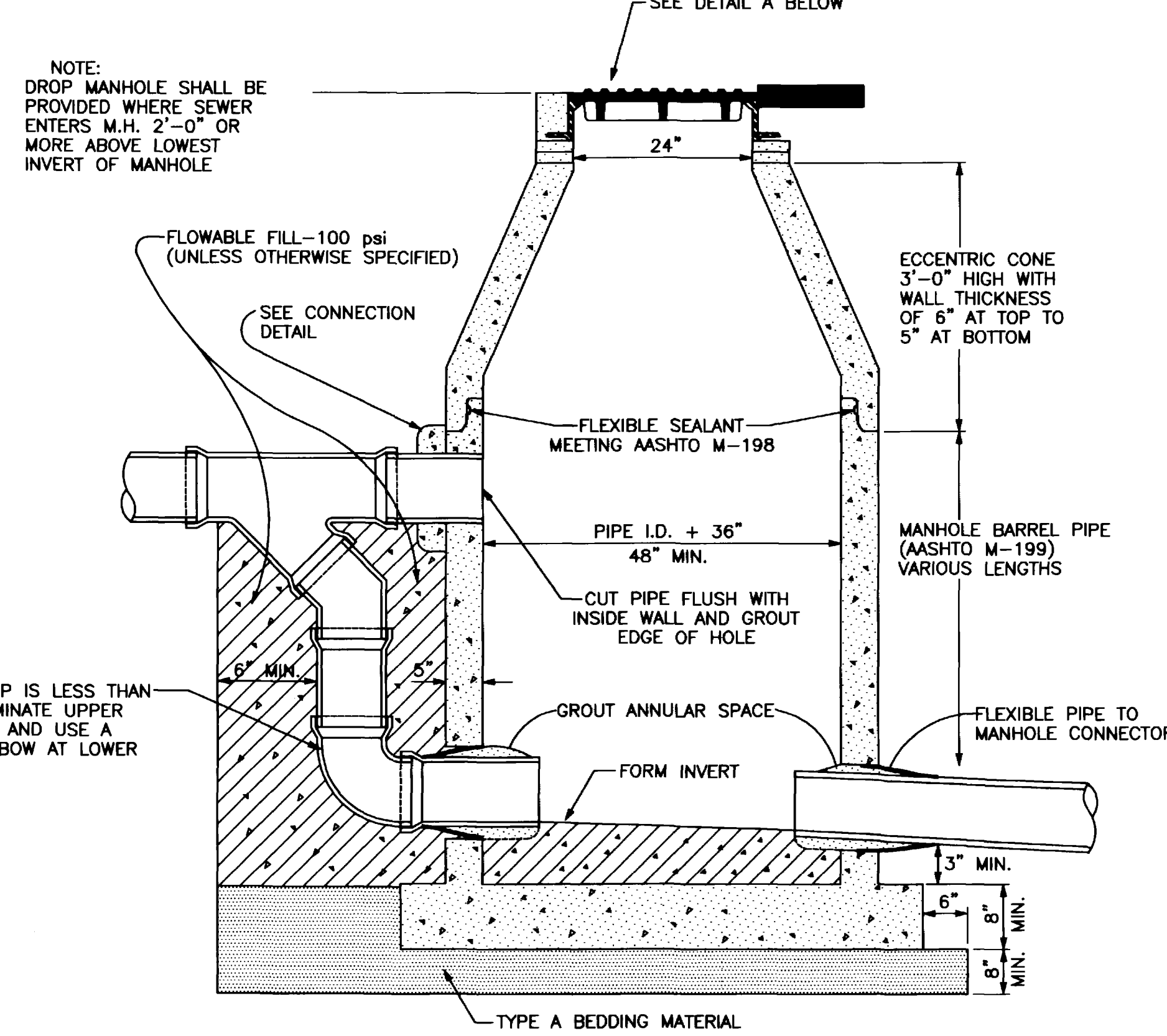
STANDARD MANHOLE CAST-IN-PLACE BASE

* FOR IN LINE MANHOLES THE PIPE MAY BE INSTALLED THROUGH THE MANHOLE AND THE TOP HALF REMOVED.



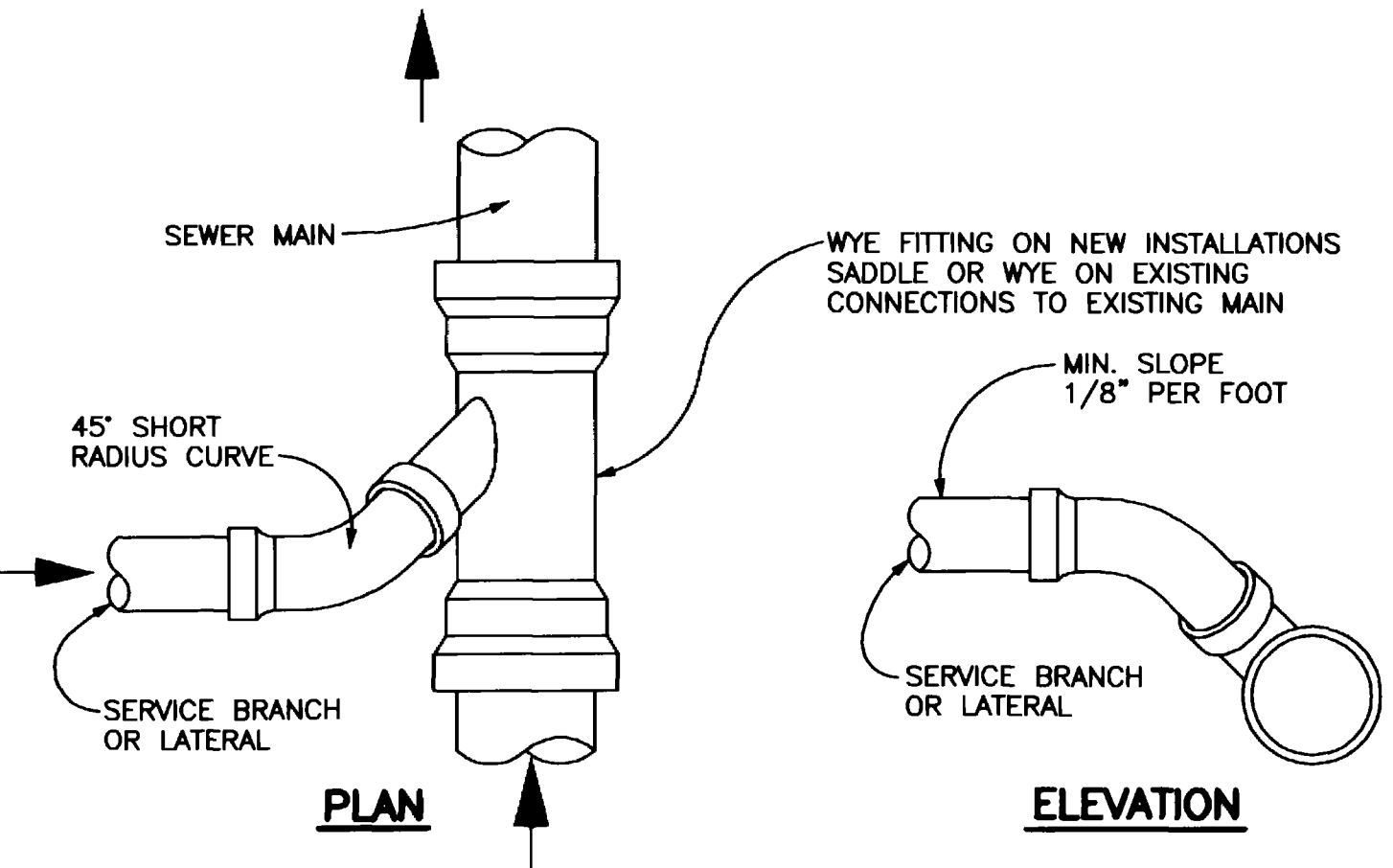
STANDARD SHALLOW MANHOLE CAST-IN-PLACE BASE

* FOR IN-LINE MANHOLES WITH A DEFLECTION ANGLE OF 30° OR LESS A 30" BARREL MAY BE USED.

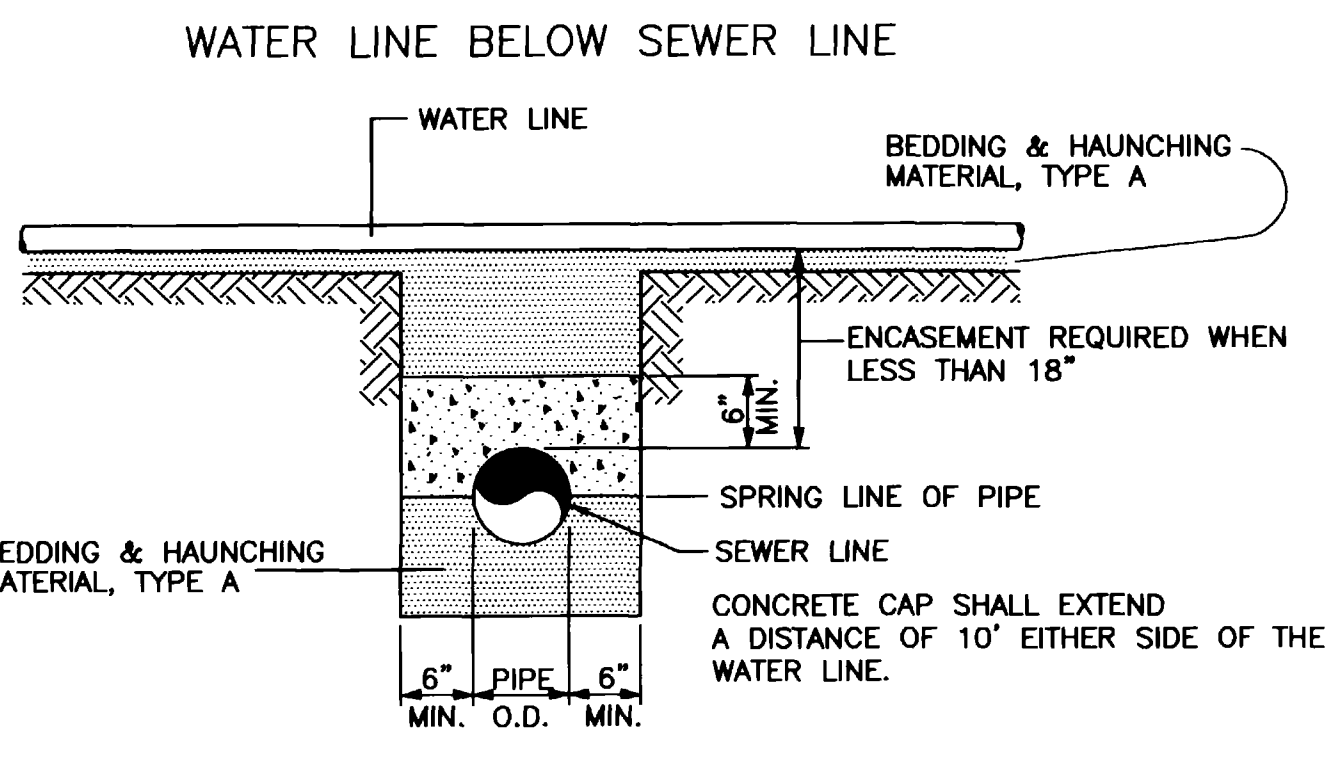


DROP MANHOLE PRECAST BASE

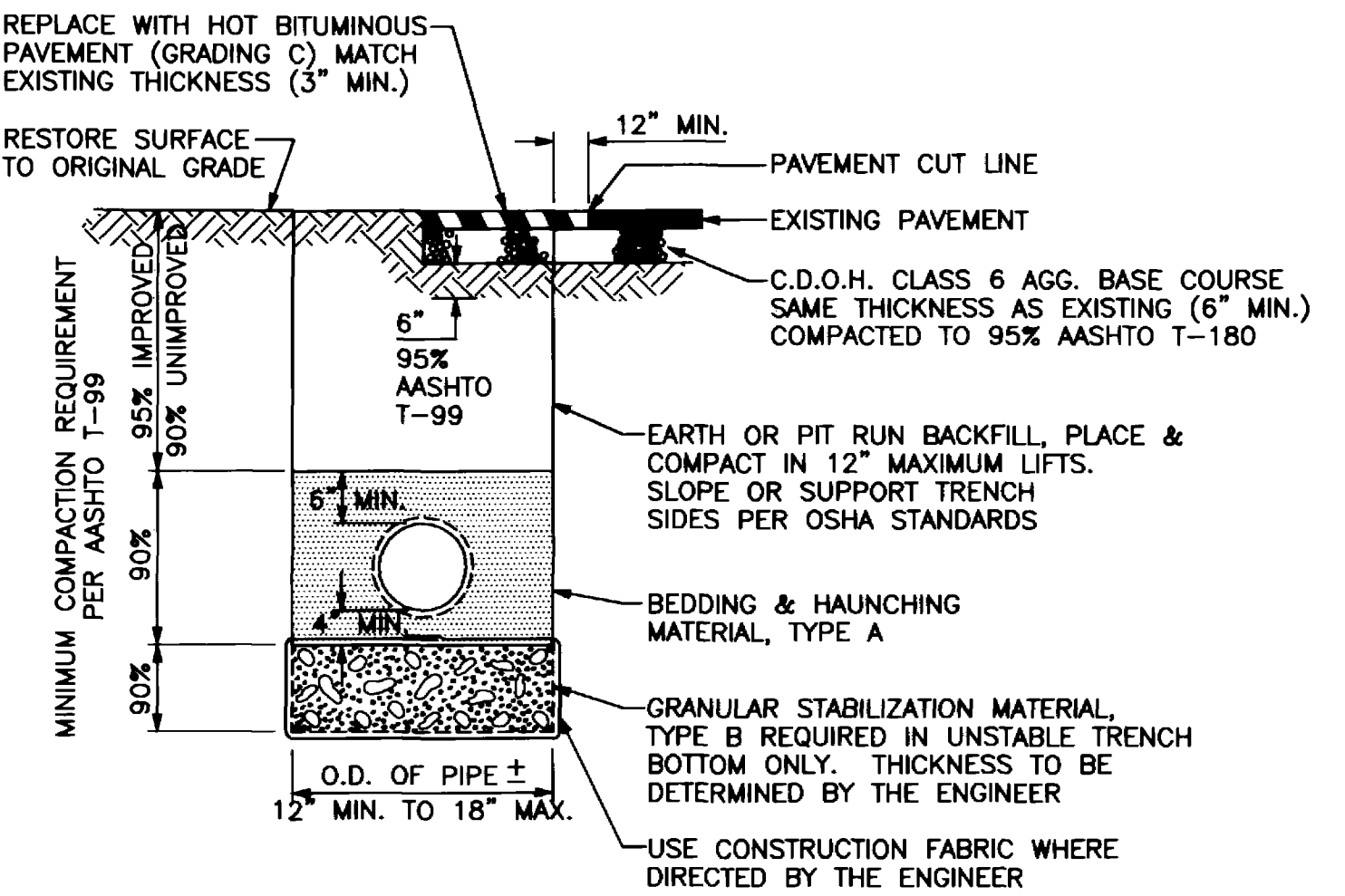
IF DROP IS LESS THAN 4' ELIMINATE UPPER ELBOW AND USE A 45° ELBOW AT LOWER



TYPICAL SERVICE "Y" CONNECTION



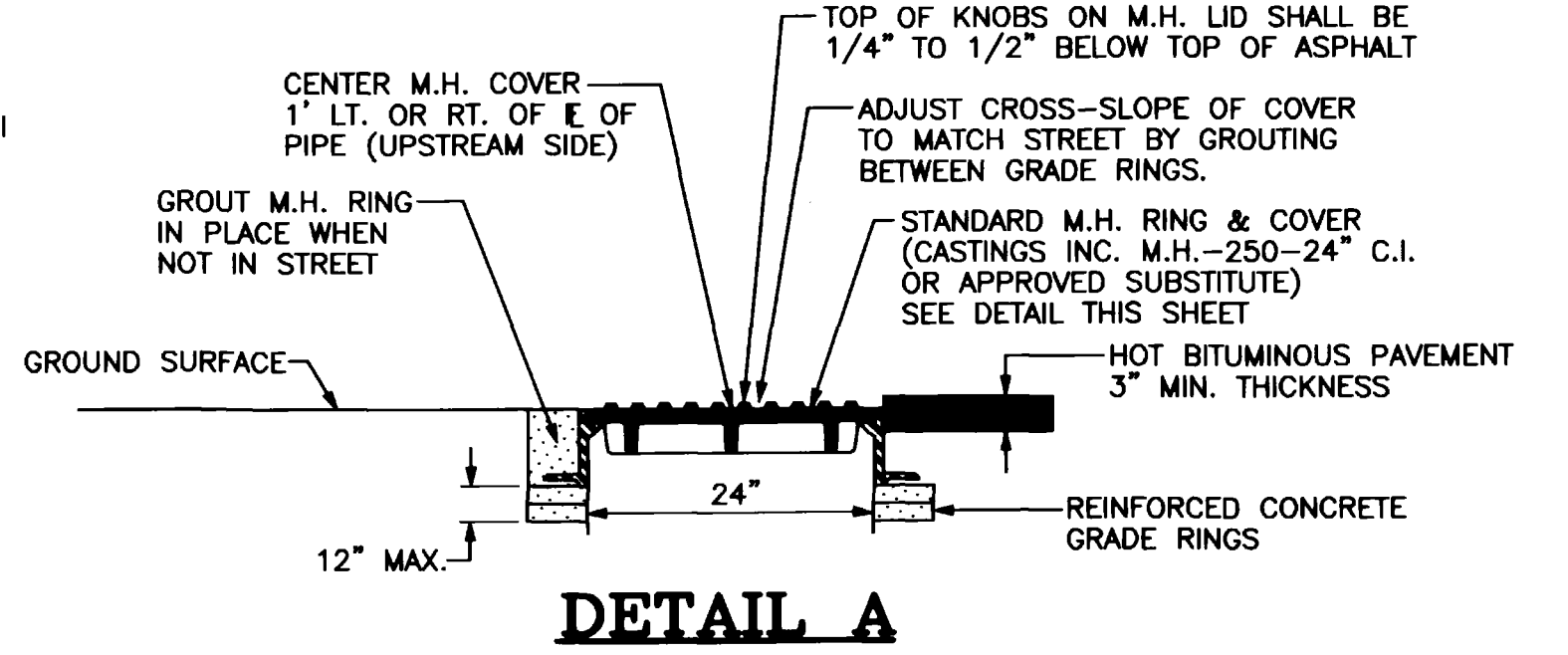
CONCRETE ENCASEMENT DETAILS



TYPICAL TRENCH DETAIL

GENERAL NOTES:

1. CONCRETE SHALL BE COLORADO DIVISION OF HIGHWAYS CLASS "B" (SECTION 601.02)
2. ALL CEMENT USED IN MORTAR, CONCRETE BASES, GRADE RINGS, RISER SECTIONS, CONES, AND FLAT TOPS, FOR SANITARY SEWER MANHOLES, SHALL BE TYPE V OR MODIFIED TYPE II PORTLAND CEMENT WITH LESS THAN 5% TRICALCIUM ALUMINATE.
3. MANHOLE RISER SECTIONS, CONES, FLAT TOPS, AND GRADE RINGS SHALL BE PRECAST REINFORCED CONCRETE CONFORMING TO ASTM C-478 OR AASHTO M-199.
4. BACKFILL AROUND MANHOLES AND OTHER STRUCTURES SHALL BE PLACED IN 8" MAX. LIFTS AND COMPACTED TO 95% AASHTO T-99.
5. ALL WORK SHALL BE IN ACCORDANCE WITH APPROVED PLANS AND CITY SPECIFICATION.
6. MANHOLE CONE AND FLAT TOP SECTIONS SHALL BE POSITIONED SUCH THAT THE MANHOLE RING AND COVER IS CENTERED 1' LEFT OR RIGHT OF THE UPSTREAM FLOW LINE.
7. IF THE MANHOLE SECTIONS ARE FURNISHED WITH STEPS THEY SHALL BE INSTALLED IN VERTICAL ALIGNMENT WITH THE RING AND COVER.



DETAIL A

SIEVE SIZE	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES		
	PIPE BEDDING & HAUNCHING MATERIAL (TYPE A)	GRANULAR STABILIZATION MATERIAL (SCREENED OR CRUSHED ROCK TYPE B)	PIT RUN AGGREGATE (TO BE USED WHERE SPECIFIED OR DIRECTED BY THE ENGINEER)
8 INCH	---	---	100
2 INCH	---	100	---
1 INCH	100	---	---
NO 4	---	15 MAX	30 MAX
NO 200	20 MAX	---	---

ALL BACKFILL MATERIAL SHALL BE PLACED FULL WIDTH IN 12" MAX. LIFTS AND COMPACTED TO THE MIN. RELATIVE DENSITIES SHOWN

NOTE: NATIVE MATERIAL MAY BE USED IN LIEU OF GRANULAR BEDDING & HAUNCHING MATERIAL IF APPROVED BY THE CITY ENGINEER AND THE NATIVE MATERIAL IS IN COMPLIANCE WITH SIZE REQUIREMENTS FOR "TYPE A".

DESCRIPTION	DATE
ADOPTED BY CITY COUNCIL RESOLUTION	7/1/92
REVISION BY CITY COUNCIL RESOLUTION	6/15/94

DRAWN BY	N.O.P.	DATE	6/27/92
CHECKED BY	T.A.B.	DATE	6/27/92
APPROVED BY	B.C.	DATE	6/27/92
FILED BOOK NO.		PAGE	

SCALE	
PLAN	PROFILE
HORIZ. N.T.S.	HORIZ. _____
VERT. _____	VERT. _____

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION 244-1554
CITY OF GRAND JUNCTION, COLORADO**

EXHIBIT "I"
Standard Sanitary Sewer Details
SHEET NO. N/A
OF _____
FILE NO. EX-1-11.DWG

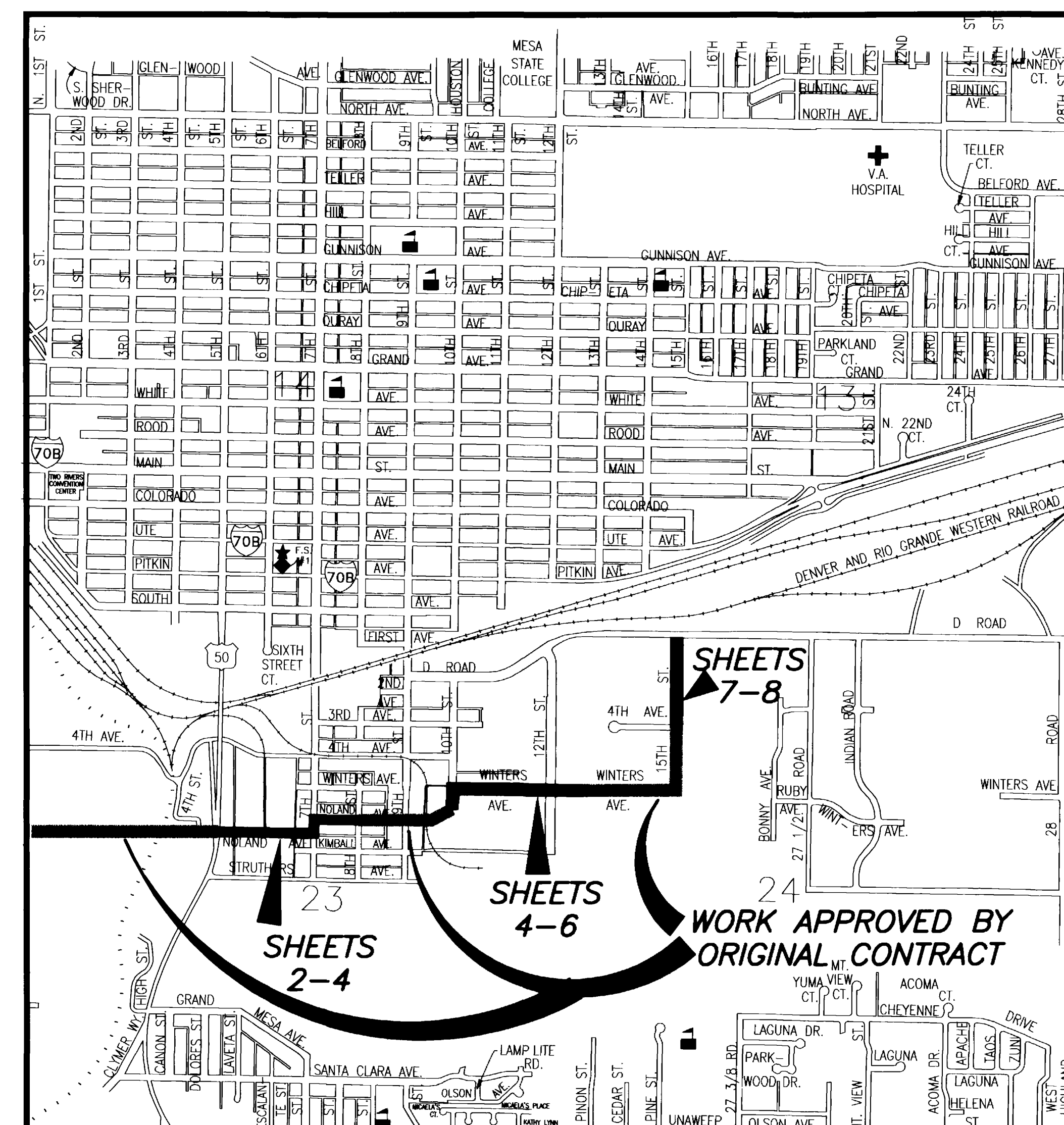
1996 INTERCEPTOR REHABILITATIONS

CHANGE ORDER # 2

"ASBUILT" - AUGUST, 1998

- 1 Cover Sheet
- 2 - 4 Noland Avenue: 5th to 8th Street
- 4 - 6 Winters Avenue: 10th to 12th Street
- 7 - 8 15th Street: 4th Avenue to D Road

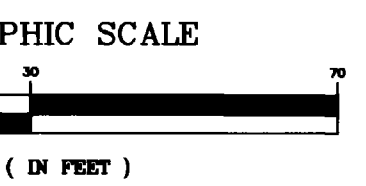
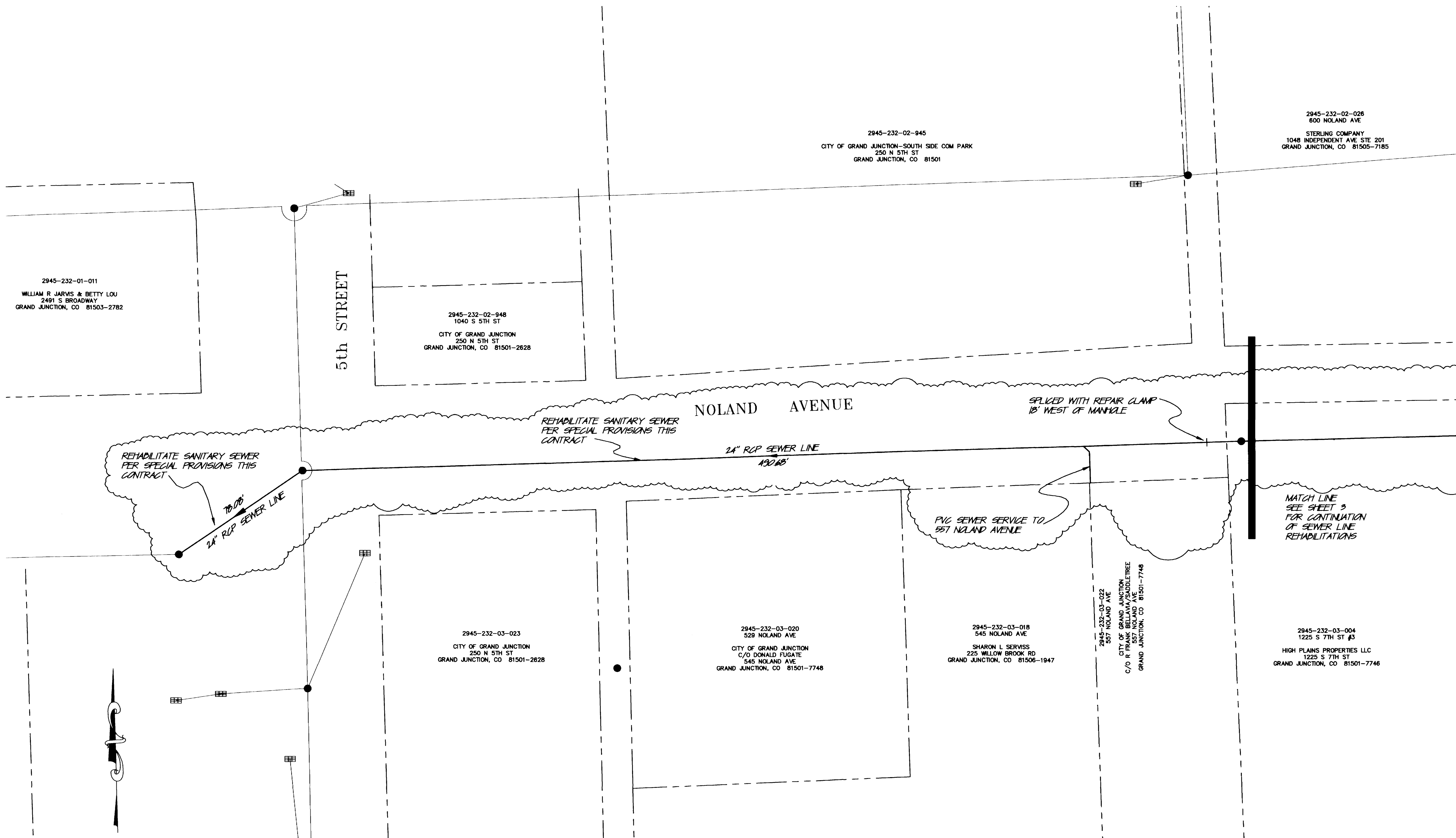
VICINITY MAP



City of Grand Junction, Colorado

Department of Public Works & Utilities

Engineering Division

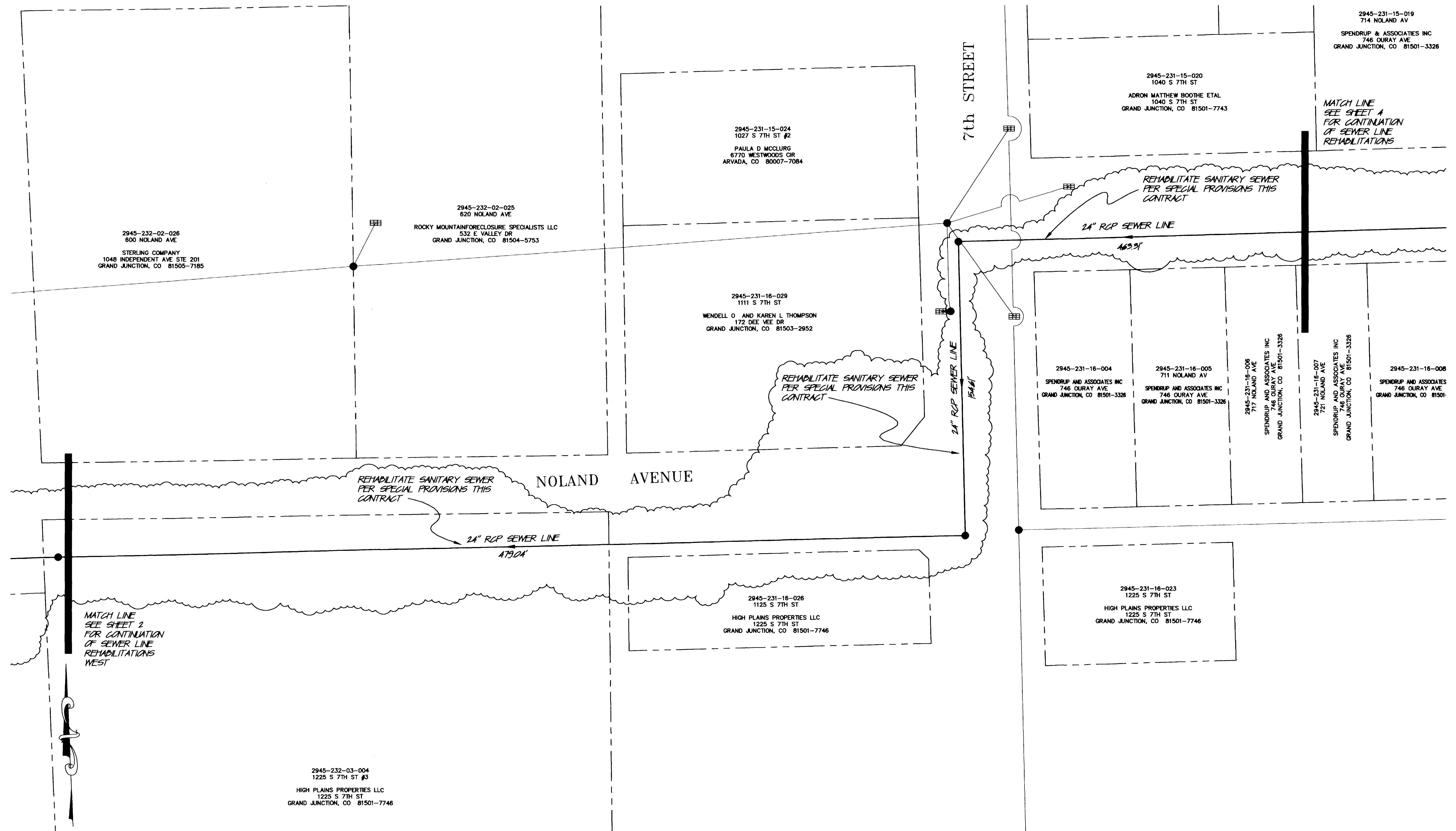


ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ			JCS		PLAN 1"=20' PROFILE 1"=5'
REVISION Δ			DESIGNED BY		
REVISION Δ			CHECKED BY MC		
REVISION Δ			APPROVED BY JDN		

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO**

**1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
NOLAND AVENUE: 5th TO 8th STREET**



2945-231-15-019
714 NOLAND AV
SPENDRUP & ASSOCIATES INC
746 OURAY AVE
GRAND JUNCTION, CO 81501-3326

2945-231-15-020
1040 S 7TH ST
ADRON MATTHEW BOOTHE ETAL
1040 S 7TH ST
GRAND JUNCTION, CO 81501-7743

MATCH LINE
SEE SHEET 4
FOR CONTINUATION
OF SEWER LINE
REHABILITATIONS

2945-231-15-024
1027 S 7TH ST #2
PAULA D MCCLURG
6770 WESTWOODS CIR
ARVADA, CO 80007-7084

2945-232-02-025
620 NOLAND AVE
ROCKY MOUNTAIN FORECLOSURE SPECIALISTS LLC
532 E VALLEY DR
GRAND JUNCTION, CO 81504-5753

2945-232-02-026
800 NOLAND AVE
STERLING COMPANY
1048 INDEPENDENT AVE STE 201
GRAND JUNCTION, CO 81505-7185

2945-231-16-029
1111 S 7TH ST
WENDELL O. AND KAREN L THOMPSON
172 DEE VEE DR
GRAND JUNCTION, CO 81503-2952

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

2945-231-16-004
SPENDRUP AND ASSOCIATES INC
746 OURAY AVE
GRAND JUNCTION, CO 81501-3326

2945-231-16-005
711 NOLAND AV
SPENDRUP AND ASSOCIATES INC
746 OURAY AVE
GRAND JUNCTION, CO 81501-3326

2945-231-16-006
717 NOLAND AVE
SPENDRUP AND ASSOCIATES INC
746 OURAY AVE
GRAND JUNCTION, CO 81501-3326

2945-231-16-007
721 NOLAND AVE
SPENDRUP AND ASSOCIATES INC
746 OURAY AVE
GRAND JUNCTION, CO 81501-3326

2945-231-16-008
SPENDRUP AND ASSOCIATES
746 OURAY AVE
GRAND JUNCTION, CO 81501-

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

NOLAND AVENUE

24" RCP SEWER LINE
479.04'

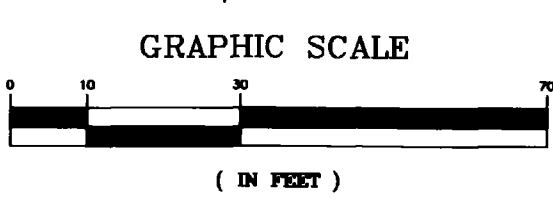
24" RCP SEWER LINE
154.61'

2945-231-16-026
1125 S 7TH ST
HIGH PLAINS PROPERTIES LLC
1225 S 7TH ST
GRAND JUNCTION, CO 81501-7746

2945-231-16-023
1225 S 7TH ST
HIGH PLAINS PROPERTIES LLC
1225 S 7TH ST
GRAND JUNCTION, CO 81501-7746

2945-232-03-004
1225 S 7TH ST #3
HIGH PLAINS PROPERTIES LLC
1225 S 7TH ST
GRAND JUNCTION, CO 81501-7746

MATCH LINE
SEE SHEET 2
FOR CONTINUATION
OF SEWER LINE
REHABILITATIONS
WEST

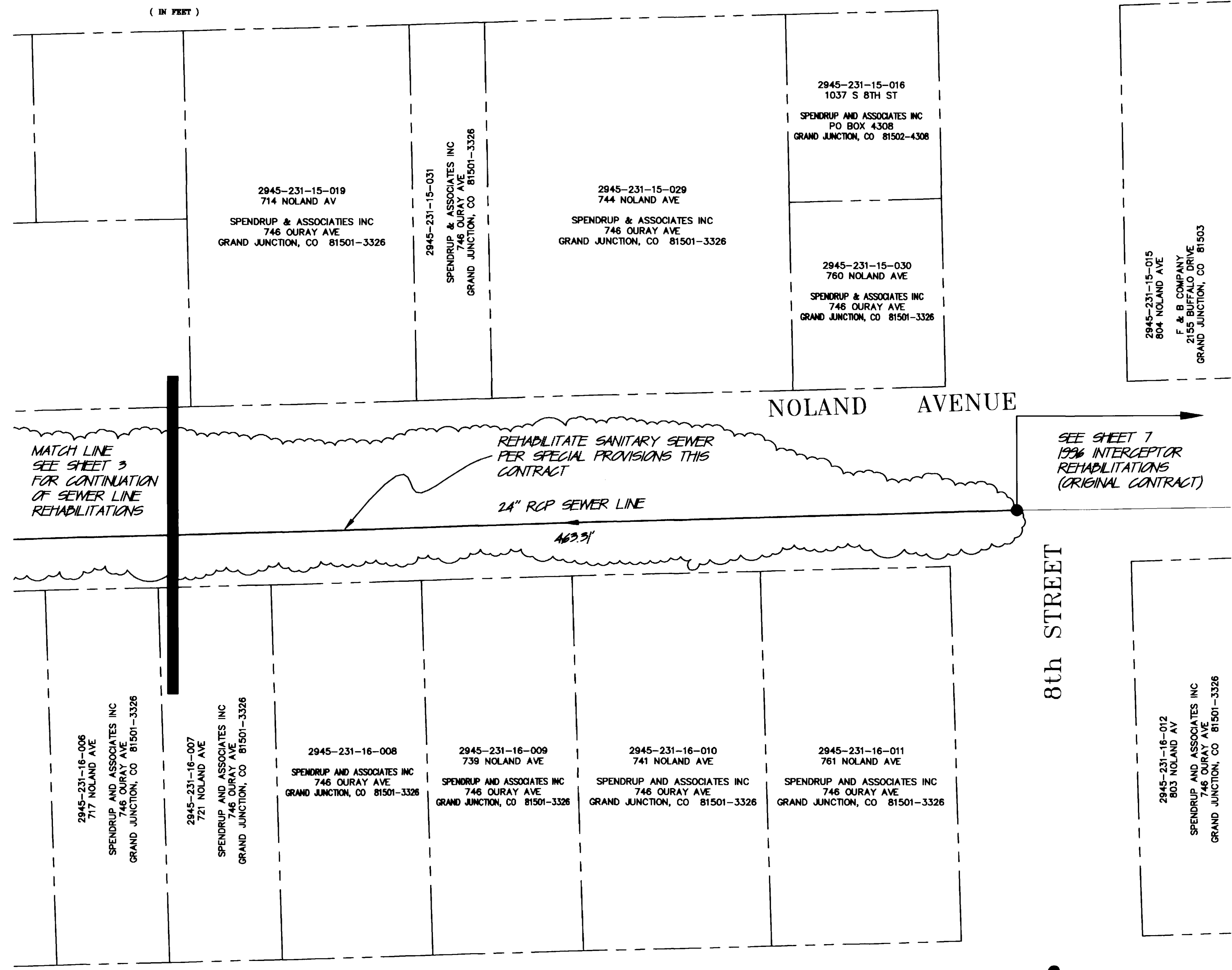
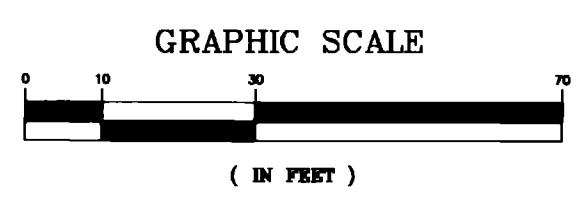


ASBUILT DRAWING
AUGUST 12, 1998

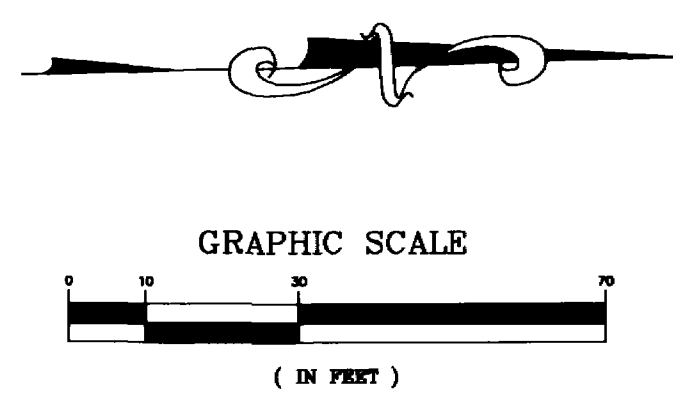
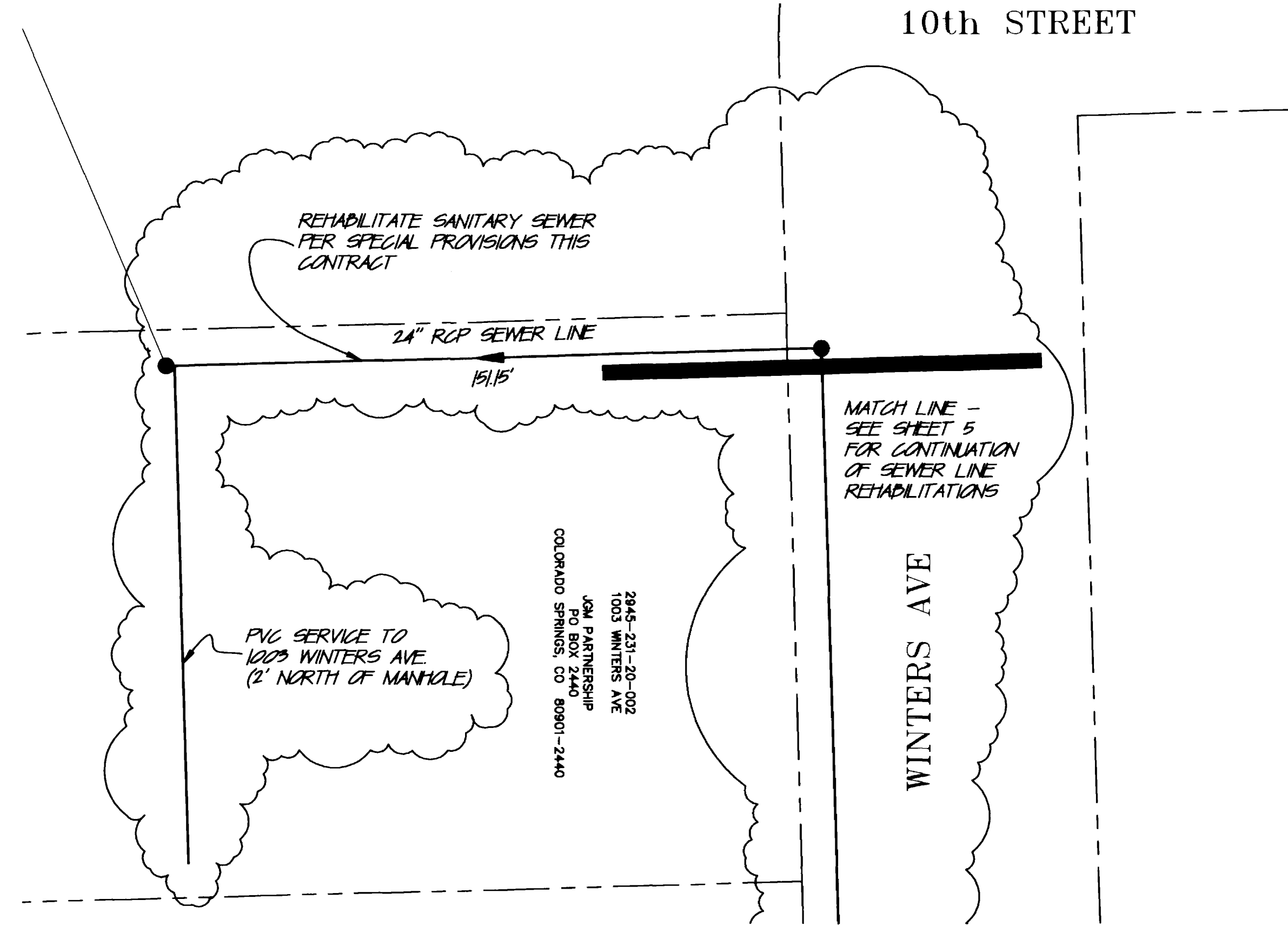
REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	SCALE
REVISION			DESIGNED BY		DATE	PLAN 1"=20' PROFILE 1"=20'
REVISION			CHECKED BY	MC	DATE	HORIZ. 1"=20' HORIZ. 1"=20'
REVISION			APPROVED BY	JDN	DATE	VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1998 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
NOLAND AVENUE: 5th TO 8th STREET



2945-231-12-001
940 S 10TH ST
WHITEWATER BUILDING
MATERIALS CORPORATION
940 S 10TH ST
GRAND JUNCTION, CO 81501-3834

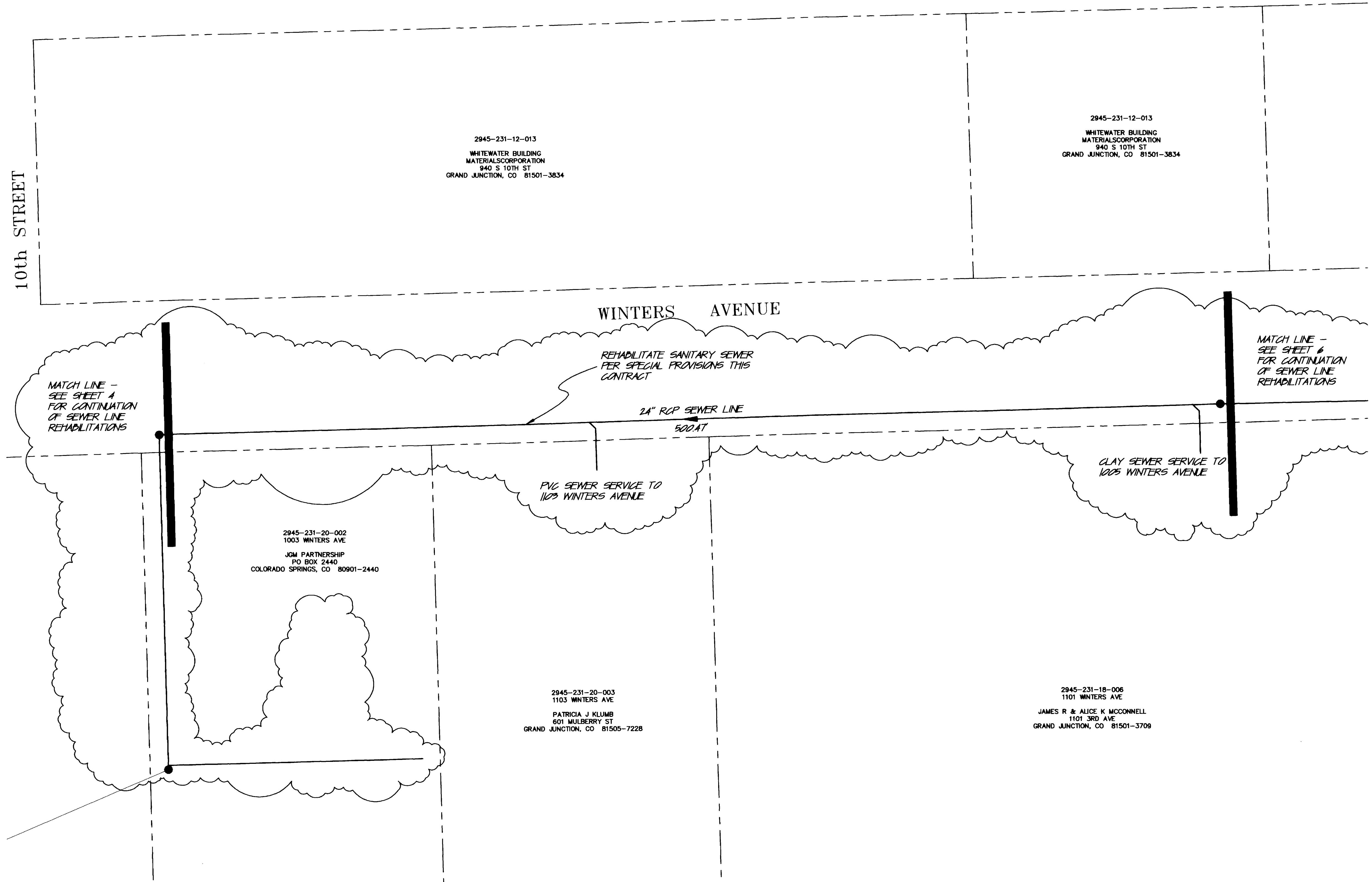
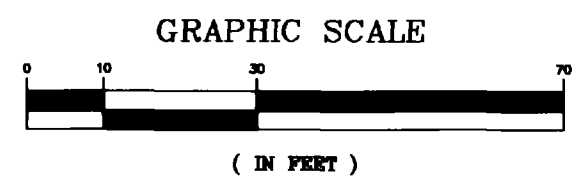


ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
△			JCS		PLAN 1"=20'
△			DESIGNED BY		PROFILE 1"=20'
△			CHECKED BY		HORIZ. 1"=20'
△			APPROVED BY		VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
NOLAND AVE TO 8th ST. & SOUTH OF WINTERS @ 10th

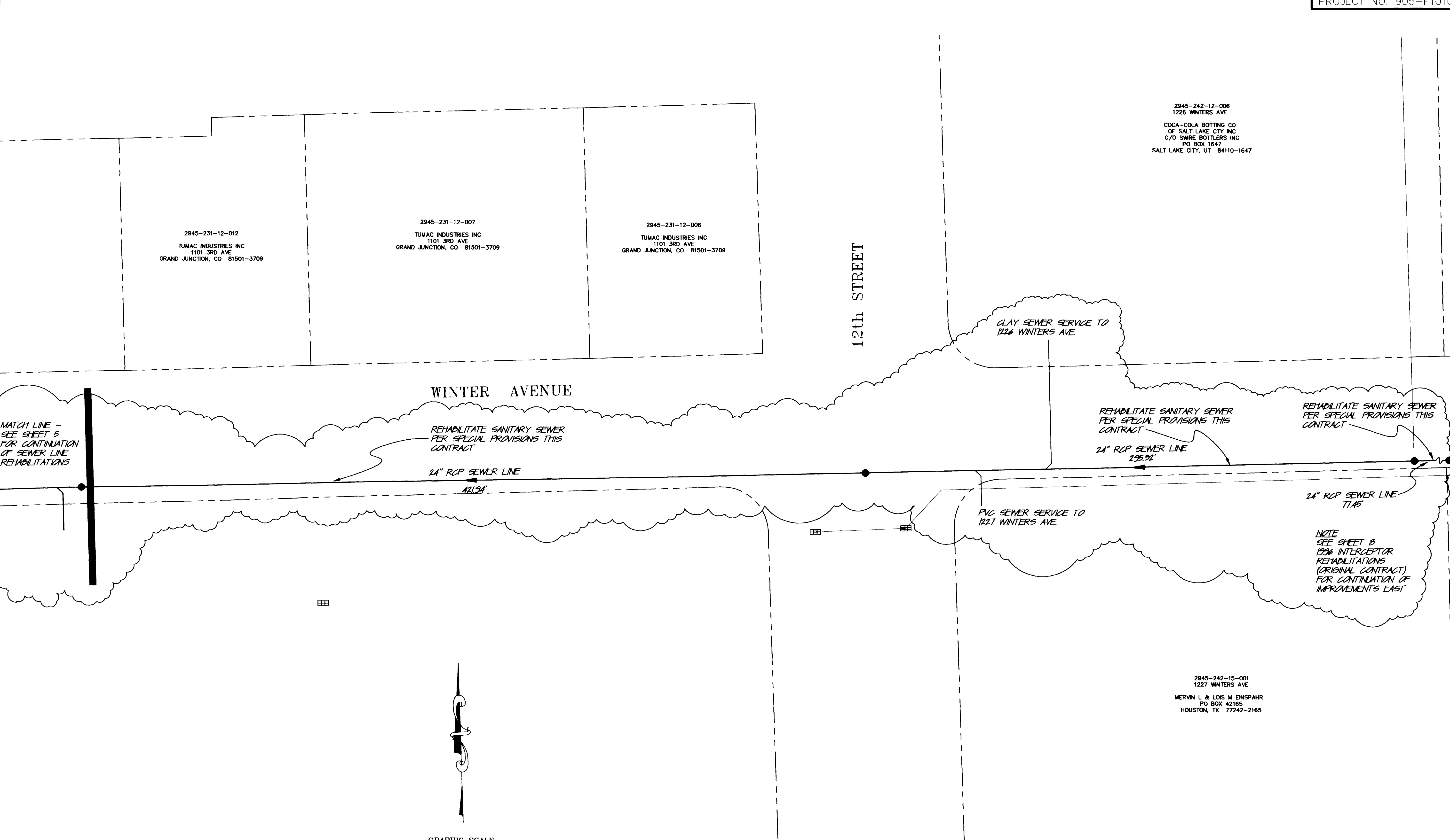


ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION			JCS		PLAN 1"=20' PROFILE 1"=20'
REVISION			MC		VERT. 1"=5'
REVISION			JDN		

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
WINTERS AVENUE: 10th TO 12th ST.



2945-242-12-006
1226 WINTERS AVE
COCA-COLA BOTTLING CO
OF SALT LAKE CITY INC
C/O SMRE BOTTLERS INC
PO BOX 1647
SALT LAKE CITY, UT 84110-1647

2945-231-12-012
TUMAC INDUSTRIES INC
1101 3RD AVE
GRAND JUNCTION, CO 81501-3709

2945-231-12-007
TUMAC INDUSTRIES INC
1101 3RD AVE
GRAND JUNCTION, CO 81501-3709

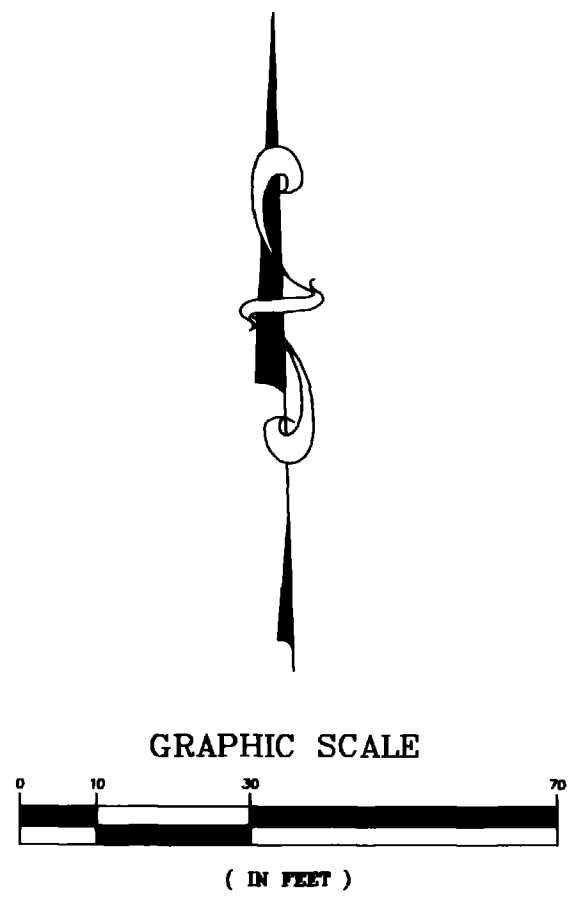
2945-231-12-006
TUMAC INDUSTRIES INC
1101 3RD AVE
GRAND JUNCTION, CO 81501-3709

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

NOTE
SEE SHEET 5
1996 INTERCEPTOR
REHABILITATIONS
(ORIGINAL CONTRACT)
FOR CONTINUATION OF
IMPROVEMENTS EAST

2945-242-15-001
1227 WINTERS AVE
MERVIN L & LOIS M EINSPAHR
PO BOX 42165
HOUSTON, TX 77242-2165



ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

DRAWN BY	JCS	DATE	
DESIGNED BY		DATE	
CHECKED BY	MC	DATE	
APPROVED BY	JDN	DATE	

SCALE	
PLAN	PROFILE
HORIZ. 1"=20'	HORIZ. 1"=20'
	VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
WINTERS AVENUE: 10th TO 12th ST

2945-242-12-030
711 S 15TH ST
BOISE CASCADE CORP
PO BOX 50
BOISE, ID 83728-0050

2945-242-12-002
567 S 15TH ST
INTERSTATE BRANDS CORPORATION
C/O PROP TAX DEPT 340000W0
PO BOX 419627
KANSAS CITY, MO 64141-6627

MATCH LINE -
SEE SHEET 7
FOR CONTINUATION
OF SEWER LINE
REHABILITATIONS

8" RCP

MANHOLE CORROSION PROTECTION
PROVIDED PER SPECIAL PROVISION
THIS CONTRACT

30" RCP SEWER PIPE
126.48'

30" RCP SEWER PIPE
55.08'

6" VCP SEWER?

30" RCP SEWER PIPE
287.66'

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

15th STREET

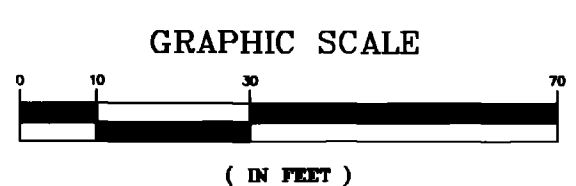
REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

D ROAD

2945-242-00-233
710 S 15TH ST
A & G PARTNERSHIP
3324 E 1/4 RD
CLIFTON, CO 81520-8015

2945-242-00-234
710 S 15TH ST
A & G PARTNERSHIP
3324 E 1/4 RD
CLIFTON, CO 81520-8015

2945-242-00-230
2739 D RD
JOHN F AND JANET M CONNAWAY
2733 D RD
GRAND JUNCTION, CO 81501-2746



ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	SCALE
REVISION			DESIGNED BY		DATE	PLAN PROFILE
REVISION			CHECKED BY	MC	DATE	HORIZ. 1"=20' HORIZ. 1"=20'
REVISION			APPROVED BY	JDN	DATE	VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
15th STREET: 4th AVE TO D RD

2945-242-12-015
1031 SOUTH 15th ST
CACTUS COATINGS INC.
1031 SOUTH 15th STREET
GRAND JUNCTION, CO 81501

2945-242-12-027
1453 4th AVE.
GUTH-MEYER PARTNERSHIP
727 BIRDIE DR
GRAND JUNCTION, CO 81506-1859

2945-242-12-031
711 S 15th ST
BOISE CASCADE CORP
PO BOX 50
BOISE, ID 83728-0050

NOTE
SEE SHEET 9
1996 INTERCEPTOR
REHABILITATIONS
(ORIGINAL CONTRACT)
FOR CONTINUATION OF
IMPROVEMENTS SOUTH

SPLICED WITH
REPAIR CLAMP
(9' NORTH OF
MANHOLE)

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

8" C.I. SEWER SERVICE
TO 1453 4th AVENUE

30" RCP SEWER LINE
405.06'

4th AVENUE

REHABILITATE SANITARY SEWER
PER SPECIAL PROVISIONS THIS
CONTRACT

30" RCP SEWER LINE
368.45'

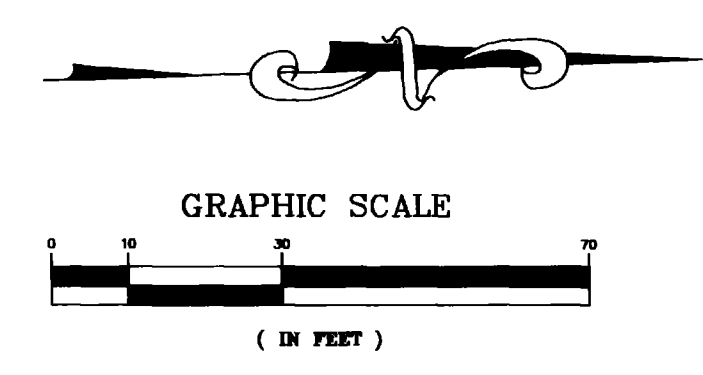
MATCH LINE -
SEE SHEET 8
FOR CONTINUATION
OF SEWER LINE
REHABILITATIONS
NORTH

PVC SEWER SERVICE
TO 710 SOUTH 15th AVENUE

15th STREET

2945-242-00-845
CITY OF GRAND JUNCTION
250 N 5th ST
GRAND JUNCTION, CO 81501

2945-242-00-233
710 S 15th ST
A & G PARTNERSHIP
3324 E 1/4 RD
CLIFTON, CO 81520-8015



ASBUILT DRAWING
AUGUST 12, 1998

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ			JCS		PLAN 1"=20' PROFILE 1"=20'
REVISION Δ			MC		VERT. 1"=5'
REVISION Δ			JDN		

DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

1996 SEWERLINE REHABILITATIONS
SEWER PLAN - (CHANGE ORDER NO. 2)
15th STREET: 4th AVE TO D RD