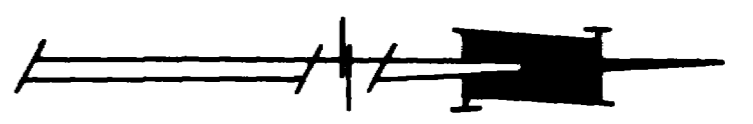


Section No.	Description	Unit	Quan.
102-3	Wheelcut H.B. Pavement	L.F.	105
102-3	Remove 2' Wide Curb & Butter	L.F.	5
102-10	Hot Bituminous Pavement	Ton	3.11
102-10	Replace 2' Wide Curb & Butter	L.F.	5
101-10	Manhole (5' to 10' H.)	EA.	1
102-3	Sawcut 2' Wide Curb & Butter	L.F.	1
101-10	Manhole Ring & Cover	EA.	1
101-10	Modify Existing Manhole	EA.	1
101-7	Sanitary Sewer Line (8")	L.F.	400
101-7	Service Lateral (4" PVC)	L.F.	75



Scale: 1" = 40'

Legend

- indicates proposed sanitary sewer line
- indicates proposed manhole
- - - indicates Existing Irrigation Line
- - - indicates Easement
- - - indicates Property Line
- - - indicates proposed Water Line (8")
- - - indicates Sanitary Sewer Line (8")
- indicates Exist. Manhole

Certification

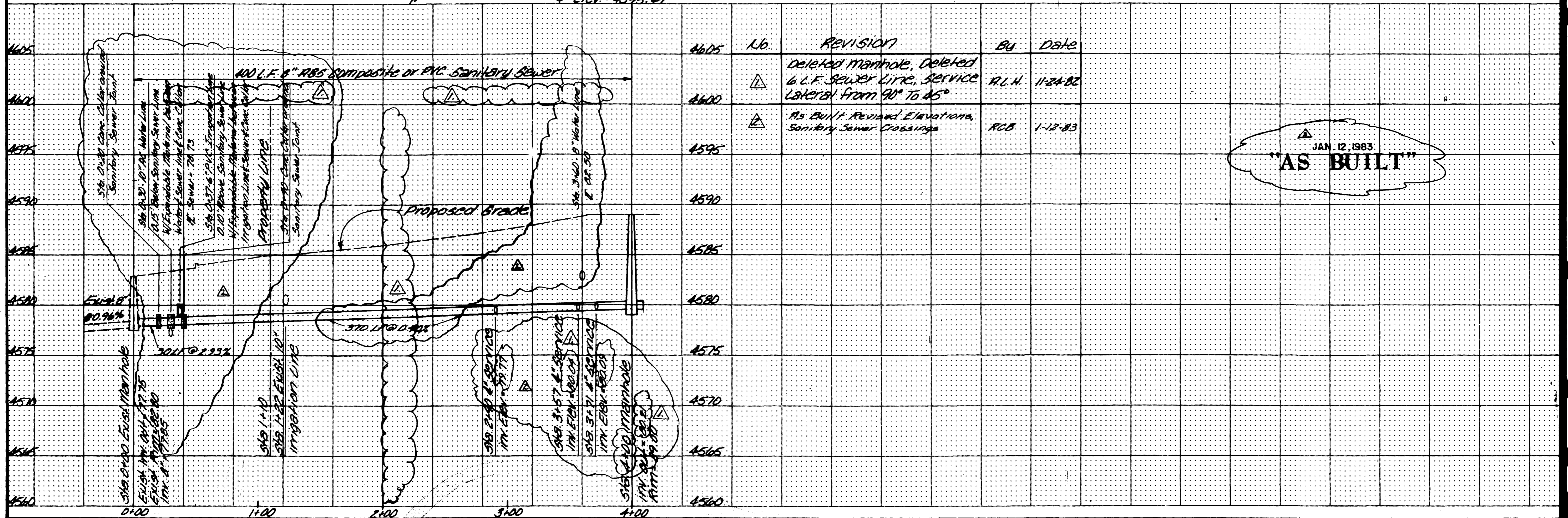
In accordance with the City of Grand Junction specifications and based on an actual field test of this project, I hereby certify that the infiltration rates as stated in the standard specifications for the City of Grand Junction were not exceeded.

Reviewed by: Donald C. Pettigrew Date: 11/22/82

Approved by: David M. Steward Date: 11-22-82



Bench Mark:
NE Corner SW 1/4
Section 3
T.13, R.1W, 14E PM.
Elev. = 4595.49



No.	REVISION	By	Date
4605	Deleted Manhole, Deleted 6 L.F. Sewer Line, Service Lateral from 40' to 45'	R.L.H.	11-24-82
4600	As Built Revised Elevations, Sanitary Sewer Crossings	R.C.B.	1-12-83

JAN 12 1983
"AS BUILT"

Profile Scale: 1" = 5' Vert., 1" = 40' Horiz.

ARMSTRONG & ASSOCIATES, INC.
725 S. Broadway, Suite 10
Grand Junction, Colorado 81501
(303) 733-4001

Architects
Engineers
Planners
Surveyors
Soil Testing
Material Testing
U.S. Mineral Surveyors
Geotechnical Engineers

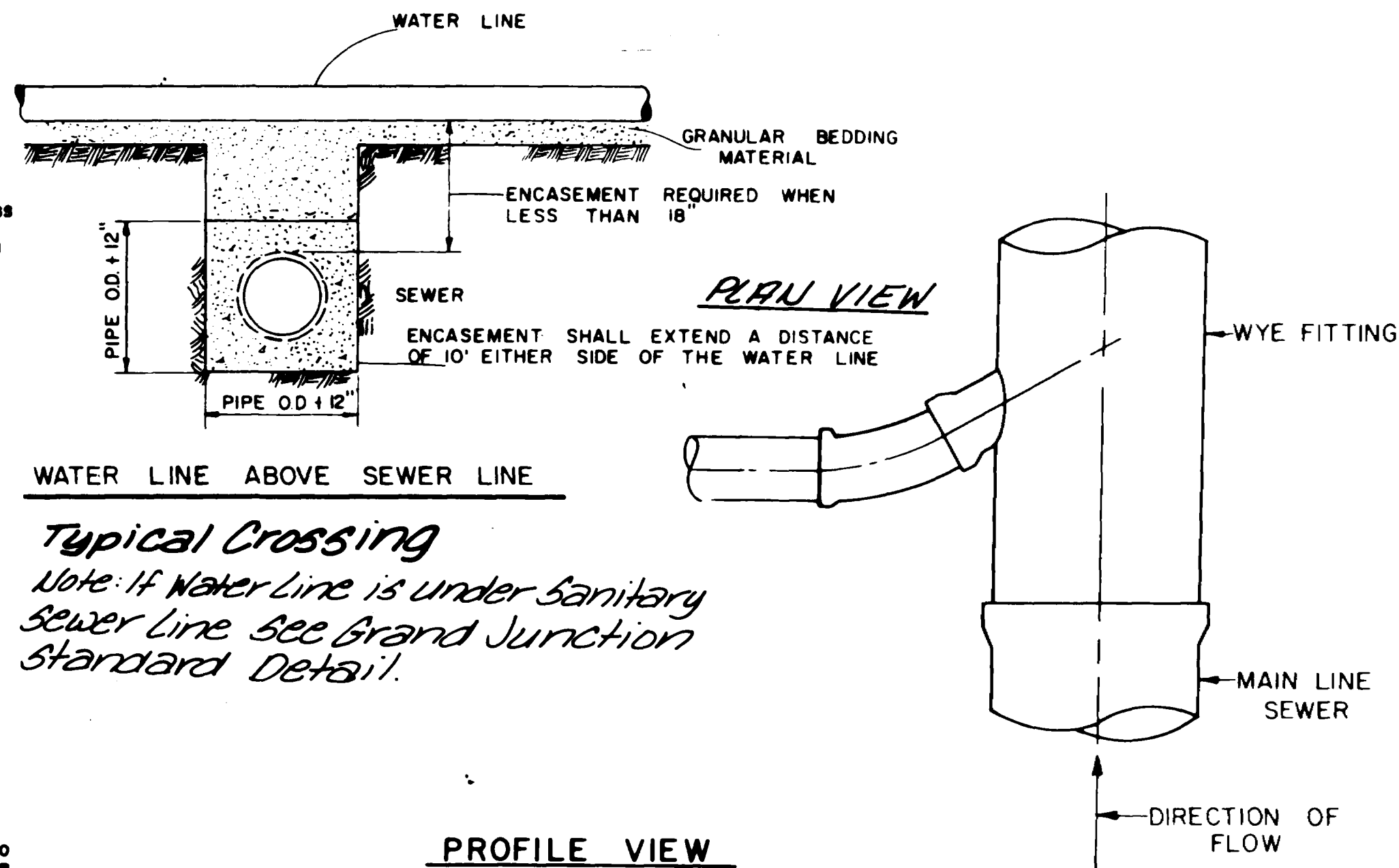
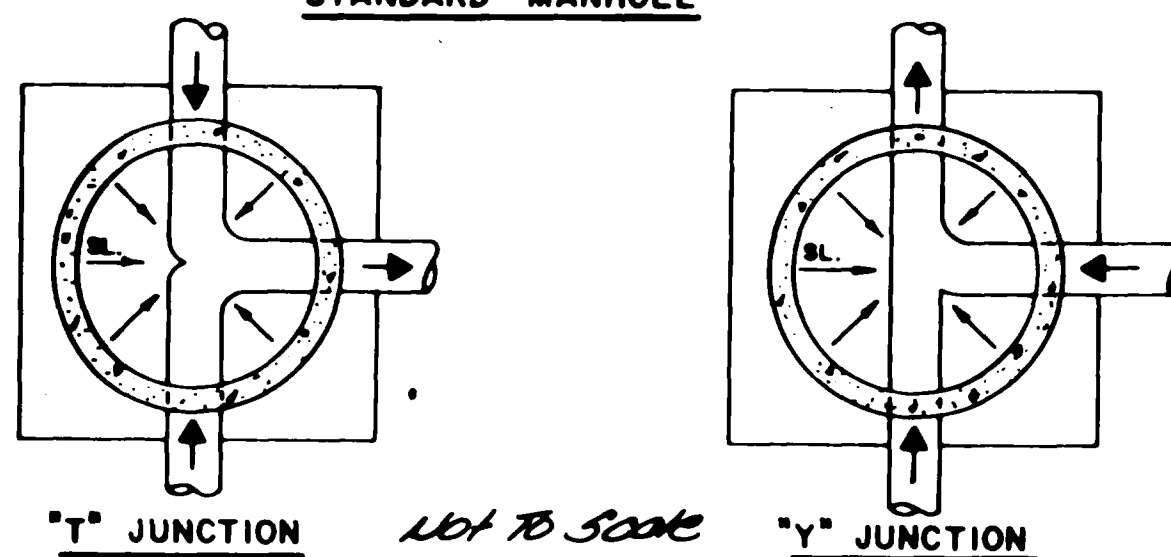
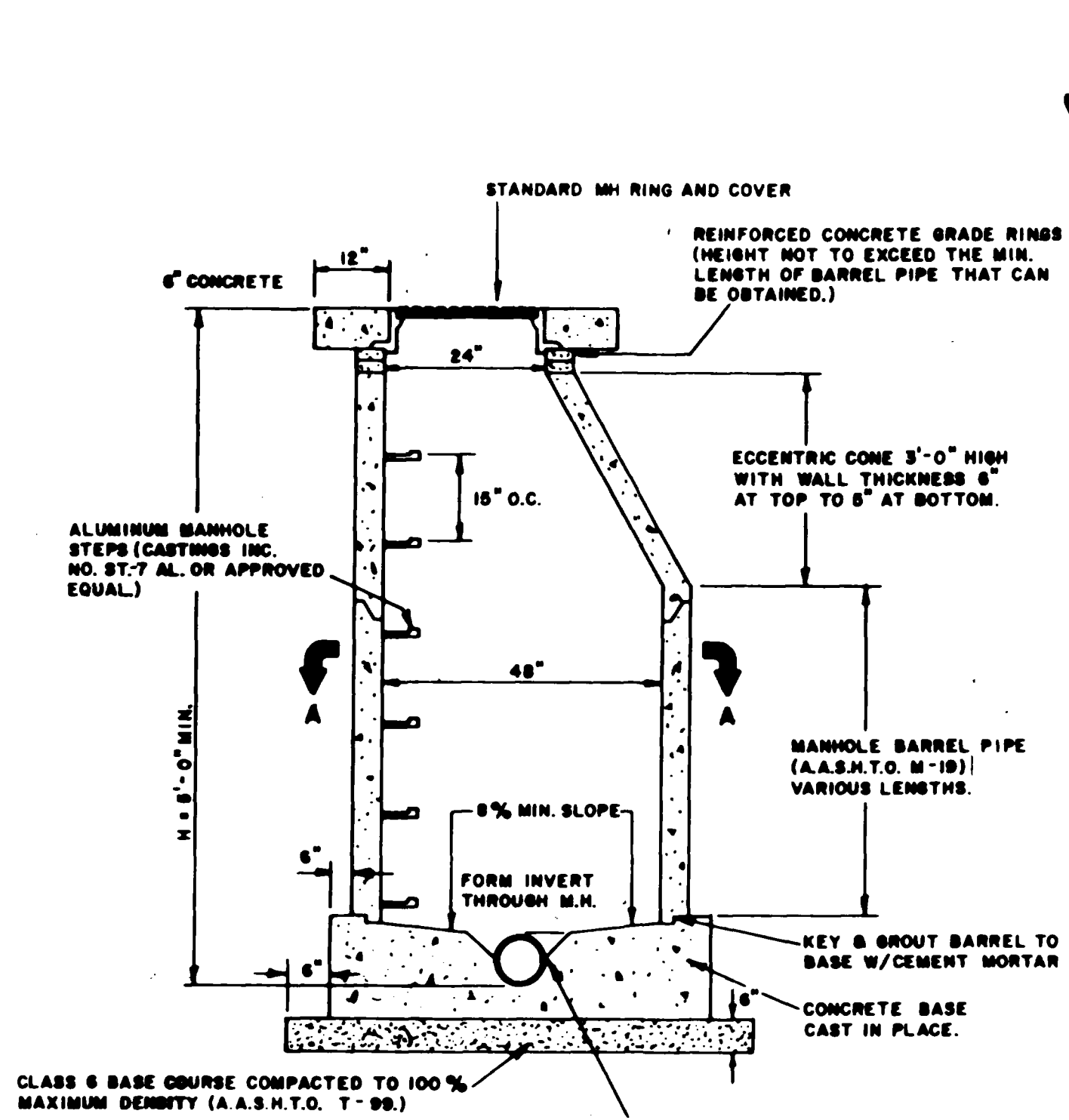
Mesa County Operations
Center
For: 1480 Welter, Inc.
Grand Junction, Colo.

Project No: 823973
Date: 11/22/82
Revision:

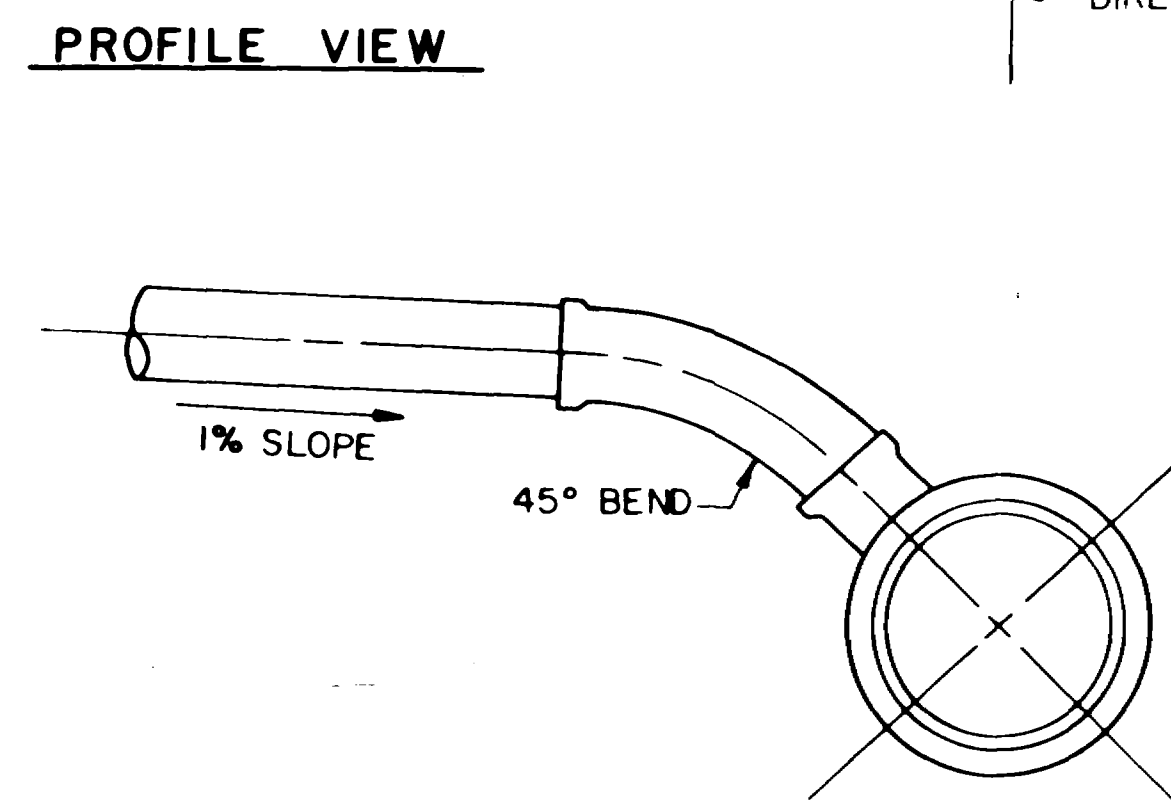
Drawn: JOC
Checked:
Approved:

Sanitary
Sewer
Plans Profile

Sheet: 1 of 2



Typical Crossing
 Note: If Water Line is under Sanitary Sewer Line See Grand Junction Standard Detail.



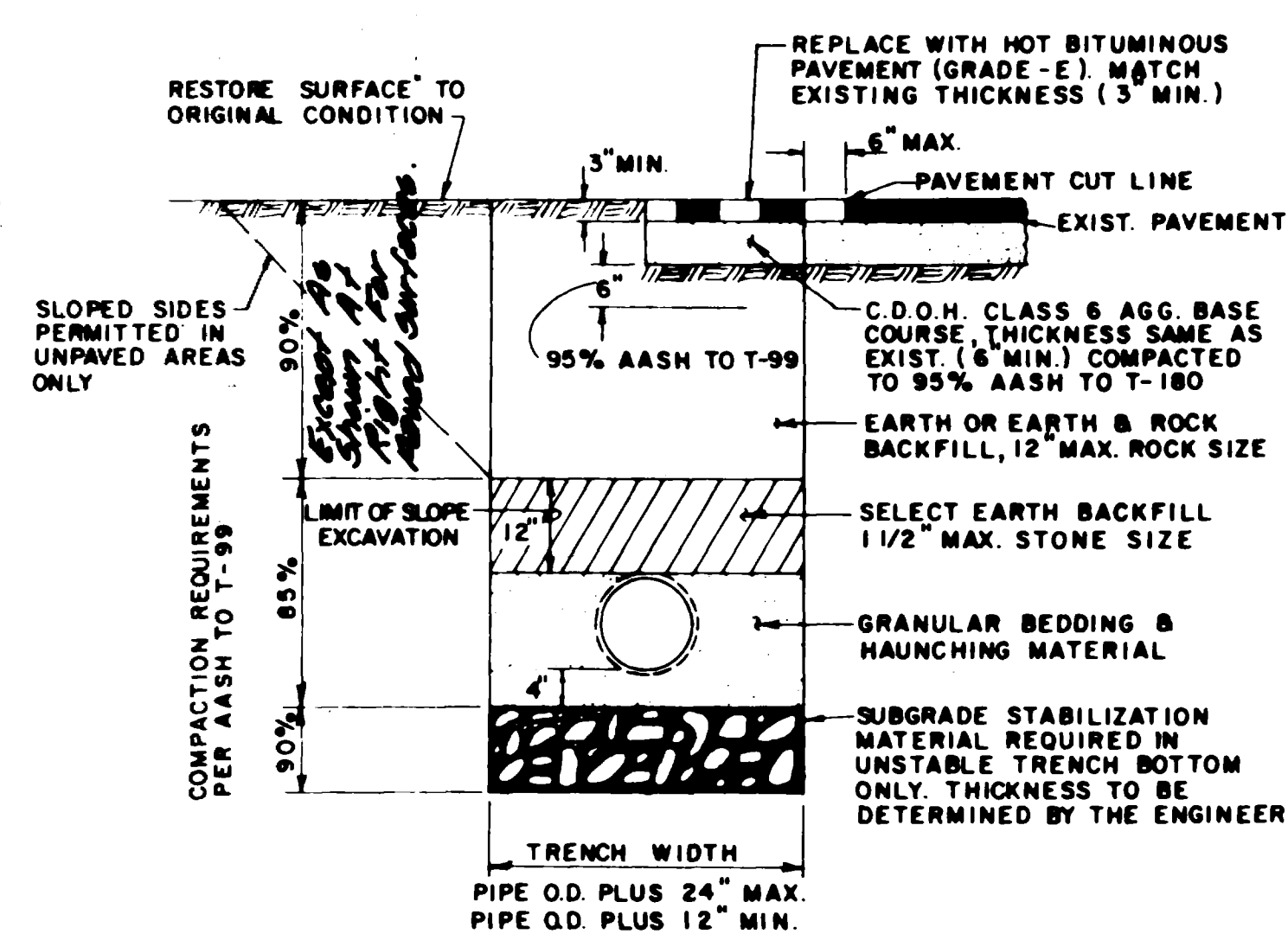
STANDARD SEWER SERVICE CONNECTION
 Not to Scale

Sanitary Sewer Notes

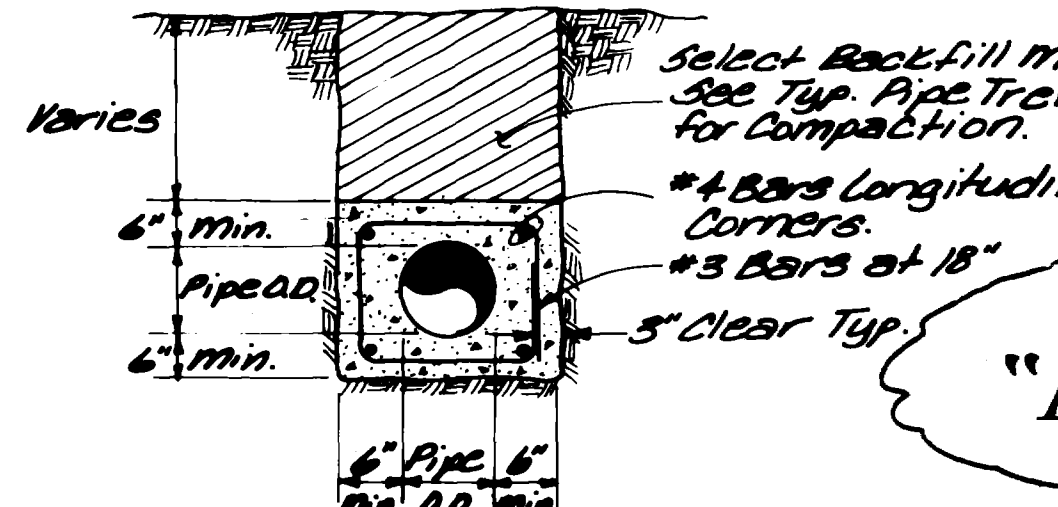
- 1) All construction shall be done in accordance with City of Grand Junction Sanitary Sewer Details - Drawing 95-1, and shall conform to City of Grand Junction Standard Specifications for Construction of Water Lines, Sanitary Sewer Lines, Storm Drainage and Irrigation Systems, 1981, and City of Grand Junction General Contract Conditions for Public Works and Utilities Construction GC-37, GC-50 & GC-65.
- 2) All sewer mains shall be constructed with a 5 ft. minimum cover unless otherwise shown. All sewer elevations are invert elevations unless otherwise shown.
- 3) Res composite, PVC (poly vinyl chloride) mains may be installed.
- 4) Any "break-ins" or modifications to existing installations shall be acceptable to the Engineer or his representative.
- 5) See Typical Trench Detail.
- 6) All mains and laterals shall be tested using the air test or water method.
- 7) Each 4" Lateral shall be set at a minimum grade of 1% with a minimum drop of 0.3' to the main, and the invert shall be at a minimum depth of 4.0' below finished grade at connection to collector. Unless otherwise noted, the locations shall be determined by the Engineer and shall be constructed perpendicular to the main.
- 8) No laterals may be constructed into manholes.
- 9) The Contractor is responsible for locating and protecting all buried utilities and their repair if damaged.
- 10) Testing shall be in accordance with City of Grand Junction Specifications. Armstrong & Associates shall be notified 48 hours prior to any testing to assure testing is performed as specified.

General Notes

- 1) The Contractor shall restore all disturbed areas to a condition equal to or better than those that existed prior to construction.
- 2) The Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is provided for the convenience of the Contractor and is not to be relied on as being exact or complete. The Contractor shall call the Mesa County Buried Utilities Location Service (245-2555) at least 48 hrs. before any excavation to request exact field location of utilities, or Appropriate Utility Co.
- 3) See sheet for details, connections and notes.
- 4) Subgrade at all traveled ways shall be compacted to 95% AASHTO T-180 at optimum moisture and the surface of all driveways shall be bituminous surface & C.I. base compacted to 95% AASHTO T-180 at optimum moisture or as shown on Typical Trench Detail.
- 5) See Specifications for additional requirements.



TYPICAL TRENCH DETAIL
 Not to Scale



Concrete Encasement Detail

JAN. 12, 1983
"AS BUILT"

ARMSTRONG & ASSOCIATES, INC.
 725 S. Broadway Suite 18
 Denver, Colorado 80208
 (303) 733-4801

Architects
 Engineers
 Planners
 Surveyors
 Soil Testing
 Material Testing
 U.S. Mineral Surveyors
 Geotechnical Engineers

MESA COUNTY OPERATIONS CENTER
 for
1480 WELTON, INC.
 Grand Junction, Colorado

Project No 823973
 Date Nov. 22, 83
 Revisions

Drawn ADC
 Checked
 Approved

Sanitary Sewer Details