

**A.I.C. - GRAND JCT., INC.**  
 ALLIED INDEPENDENT CONSULTANTS  
 2956 NORTH AVE, #1B  
 GRAND JUNCTION, CO 81504  
 PHONE (970) 244-8703 FAX (970) 243-2681

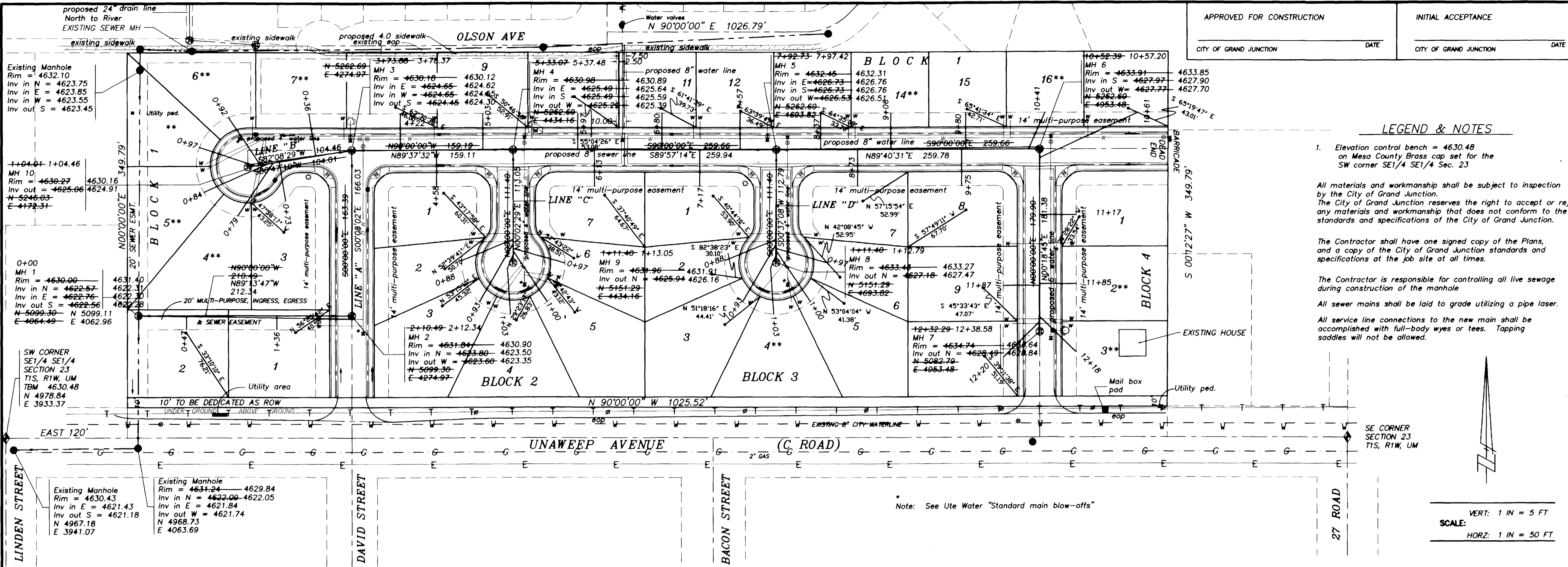
**MICHAELA'S VILLAGE**  
 SEWER LINE "A" PLAN AND PROFILE ASBUILT

NO.	REVISION/ISSUE	DATE
	ASBUILT	3-18-99

DATE: 2-28-95  
 SCALE: 1" = 50'  
 DRAWN BY: JC  
 CHECKED BY:

SHEET  
**A-1**

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APPROVED FOR CONSTRUCTION  
 CITY OF GRAND JUNCTION DATE  
 INITIAL ACCEPTANCE  
 CITY OF GRAND JUNCTION DATE

**LEGEND & NOTES**

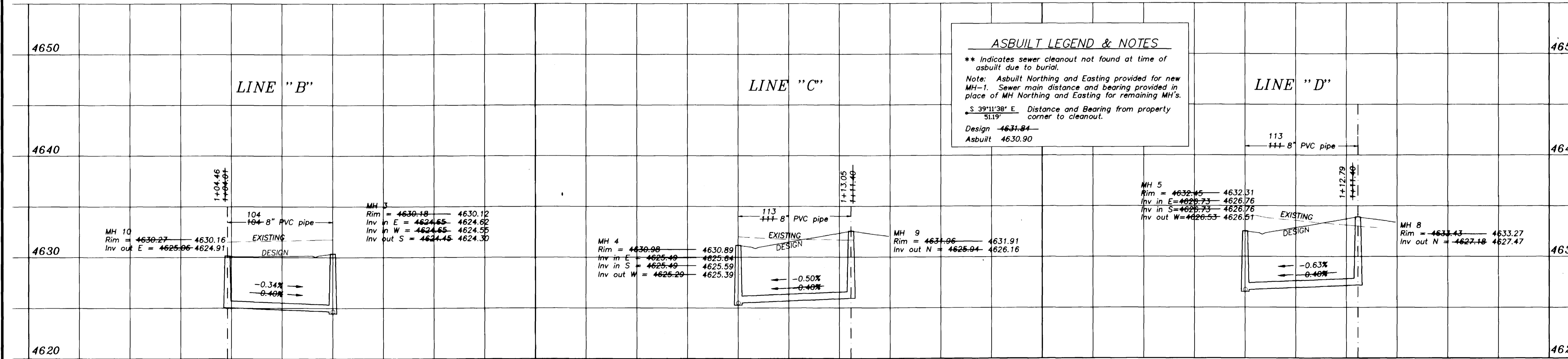
- Elevation control bench = 4630.48 on Mesa County Brass cap set for the SW corner SE1/4 SE1/4 Sec. 23
- All materials and workmanship shall be subject to inspection by the City of Grand Junction. The City of Grand Junction reserves the right to accept or reject any materials and workmanship that does not conform to the standards and specifications of the City of Grand Junction.
- The Contractor shall have one signed copy of the Plans, and a copy of the City of Grand Junction standards and specifications at the job site at all times.
- The Contractor is responsible for controlling all live sewage during construction of the manhole
- All sewer mains shall be laid to grade utilizing a pipe laser.
- All service line connections to the new main shall be accomplished with full-body wyes or tees. Tapping saddles will not be allowed.

VERT: 1 IN = 5 FT  
 SCALE:  
 HORZ: 1 IN = 50 FT

Note: See Ute Water "Standard main blow-offs"

**ASBUILT LEGEND & NOTES**

\*\* Indicates sewer cleanout not found at time of asbuilt due to burial.  
 Note: Asbuilt Northing and Easting provided for new MH-1. Sewer main distance and bearing provided in place of MH Northing and Easting for remaining MH's.  
 S 39°11'38" E 51.19' Distance and Bearing from property corner to cleanout.  
 Design 4631.84  
 Asbuilt 4630.90

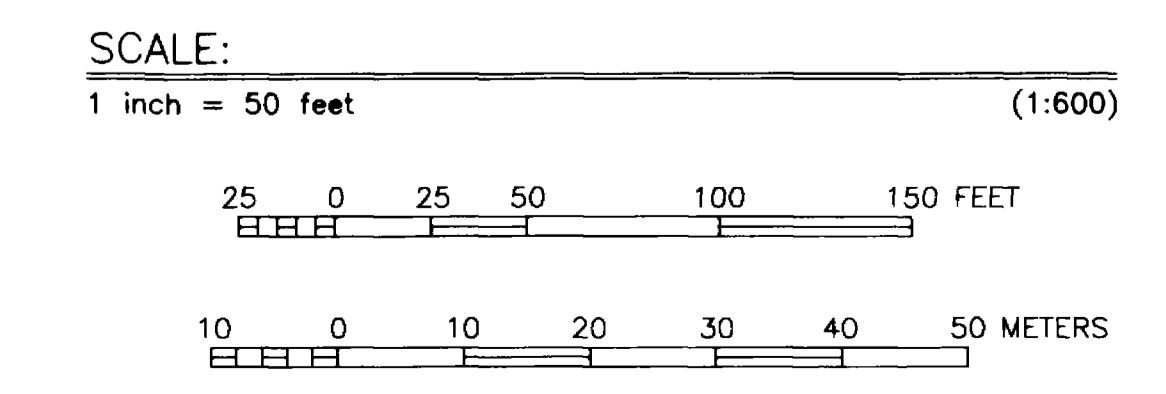


**SEWER NOTES**

- All construction & materials shall comply with the City of Grand Junction's specifications & standard details
- Where sewerlines and water mains cross within 10 horizontal feet of each other, the sewer pipe shall be a minimum of 18 inches clear distance vertically below the water main; otherwise special sewerline construction is required which shall consist of: a) AWWA C-900 PVC sewer pipe with 6" thick concrete collars which shall extend at least 6 inches on either side of joints. If the sewer line crosses a water main, an 18 foot minimum length pipe section shall be centered with respect to the water main, having collared end joints; or b) 6" inch thick concrete encasement extending 10' each side of the sewerline.
- Leave Rim elevations 3" below finish grade - road contractor to bring rims to grade after paving and grout per City of Grand Junction's specs.
- Sewer service laterals shall be installed 14' inside property line (Roadway Right-of-way line) and glue capped with water-tight plugs. They shall be marked with a 4"x2"x4" buried vertically above the end of the pipe and extending 2' above the ground surface. The top 12" of the board shall be painted white.
- Cover sewer a minimum of 72" if grade permits.
- Pipe specifications: Main - PVC-ASTM D 3034 - SDR 35 8" PVC-AWWA C900 8" Laterals - PVC-ASTM D 3034 - SDR 35 4"
- Manhole riser sections, cones, and grading rings shall be precast reinforced concrete conforming to ASTM-C 478 or AASHTO-M-199.

**WATER NOTES:**

- All construction & materials shall comply with Ute Water and/or the City of Grand Junction's specifications & standard details
  - All water services 3/4" copper Type K
  - Extend all water laterals 2' inside property lines and 3'-5' from common lines.
  - Water service locations shall be capped with brass corp. stops. They shall be marked with a 4"x2"x4" buried vertically above the end of the pipe and extending 8" above the ground surface. The top 8" of the board shall be painted blue.
  - Cover minimum of 57" per. Ute Water specs.
  - Pipe specifications: 8" water - C-900 Class 150 DR 18 4" water - SDR 21
- Trenches:  
 Trench backfill shall be compacted to 95% standard Proctor density in 12" lifts (max) in R.O.W.  
 See City of Grand Junction trench excavation safety specifications.



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**MICHAELA'S VILLAGE**  
 SEWER LINE "B", "C", "D" PLAN AND PROFILE ASBUILT

NO.	REVISION/ISSUE	DATE
	ASBUILT	3-18-98

DATE: 2-28-95  
 SCALE: 1" = 50'  
 DRAWN BY: JC  
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**A-2**