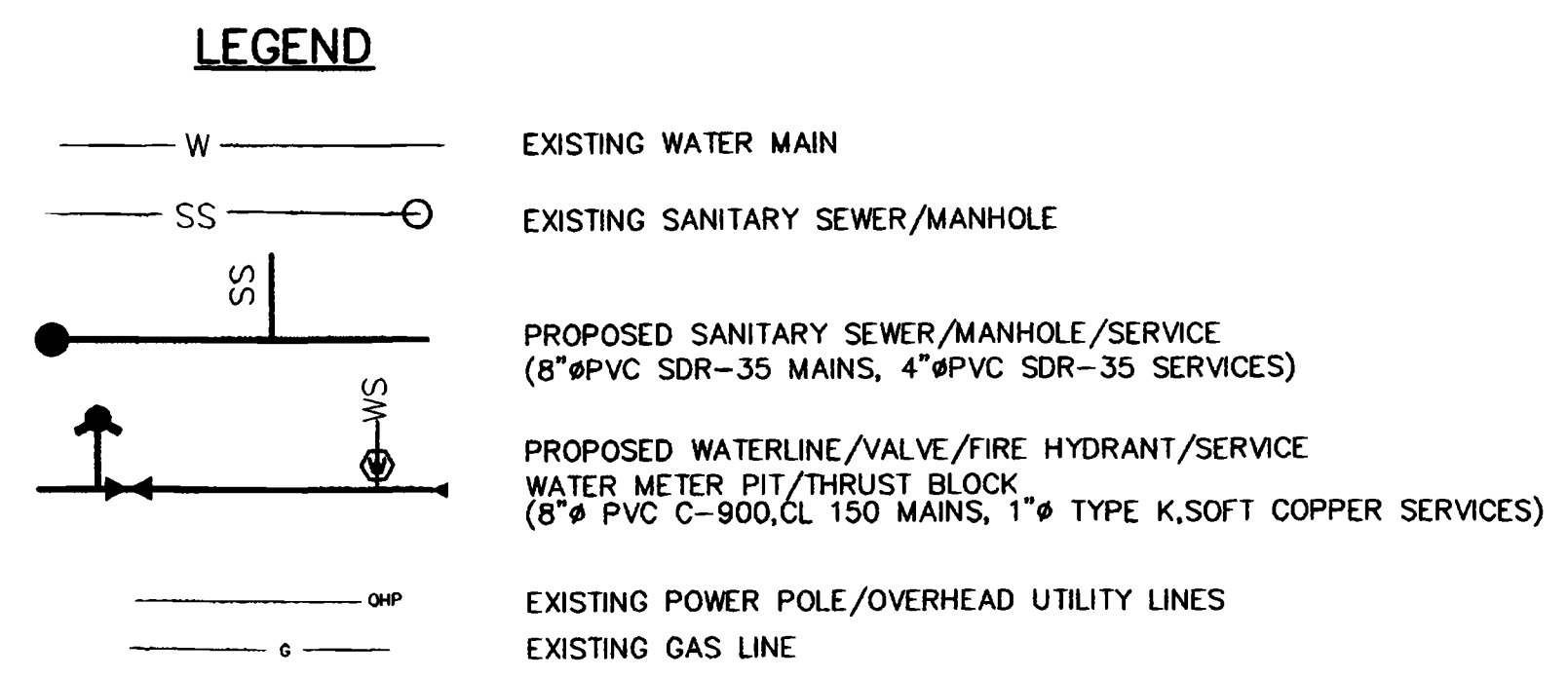


- SEWER NOTES:
- Contractor shall have one signed copy of plans and a copy of the City of Grand Junction Standard Specifications at the job site at all times.
 - All sewer mains shall be PVC SDR 35 (ASTM 3034) unless otherwise noted.
 - All sewer mains shall be laid to grade utilizing a pipe laser.
 - All service line connections to the new main shall be accomplished with full body wyes or tees. Tapping saddles will not be allowed.
 - No 4" services shall be connected directly into manholes.
 - The contractor shall notify the City inspection 48 hours prior to commencement of construction.
 - The Contractor is responsible for all required sewer line testing to be completed in accordance with the City of Grand Junction Standards and Specifications. Final testing to be accomplished only after all other infrastructure has been installed this includes water lines, gas lines, electric lines, etc. Testing will be performed after all compaction of street subgrade and prior to street paving. Final lamping will also be accomplished after paving is completed to insure that the line is clean. These tests will be the basis for issuing initial acceptance of the sewer line extension.

- SEWER NOTES:
- The Contractor shall obtain City of Grand Junction Street Cut Permit for all work within existing City right-of-way prior to construction.
 - A clay cut-off wall shall be placed 10 feet upstream from all new manholes unless otherwise noted. The cut-off wall shall extend from 6 inches below to 6 inches above granular backfill material and shall be 2 feet wide. If native material is not suitable, the contractor shall import material approved by the engineer.
 - Sewer stub outs shall be capped and plugged. Stub out shall be identified with a steel fence post buried 1' below finished grade. As-built surveying of stub out required PRIOR to backfill.
 - Project benchmark - S 1/4 corner, Sec 7, T1S, R1W, UM. MCSM #236. 1996 GPS geodetic control network. Elevation = 4648.33
 - Sewer line as-builts shall be submitted to the City Utility Engineer at least 72 hours PRIOR to paving for review.
 - Sanitary Sewer system shall be constructed during Phase One construction.

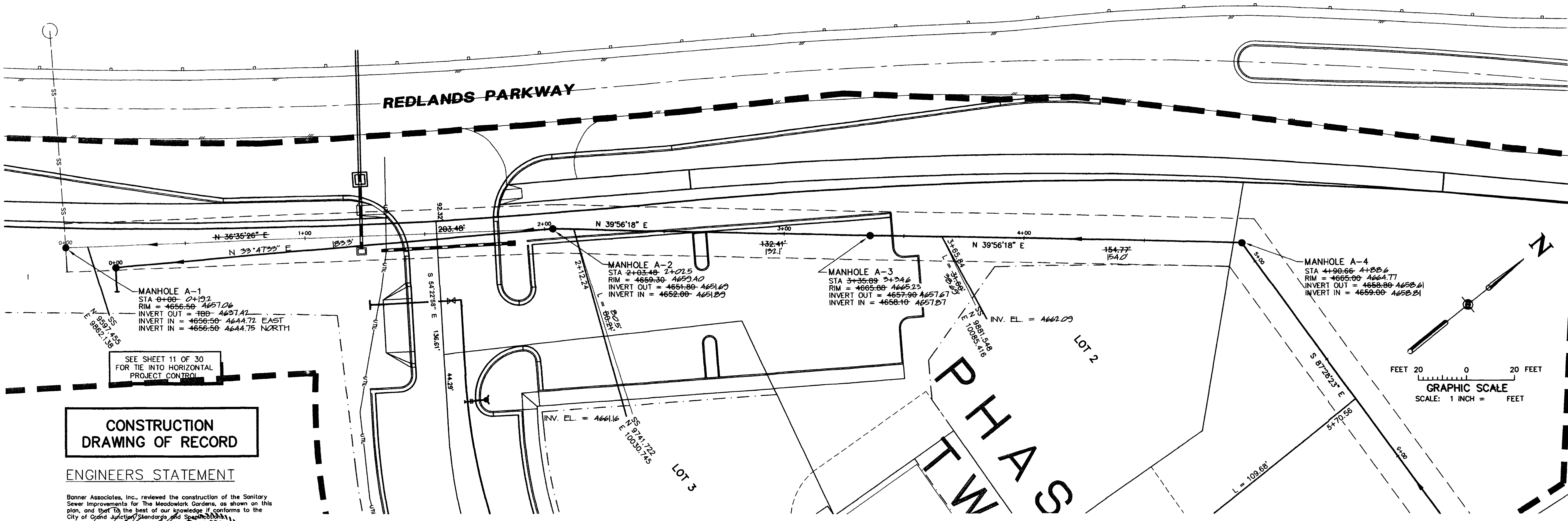


APPROVED FOR CONSTRUCTION:

City of Grand Junction _____ Date _____

ACCEPTED AS CONSTRUCTED:

David E. Carper _____ Date 6-12-02
 City of Grand Junction _____ Date _____

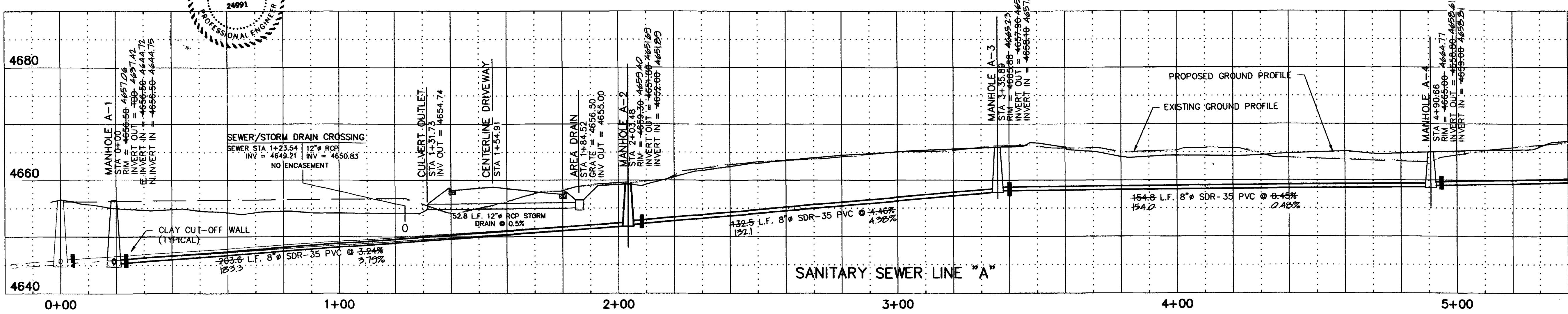
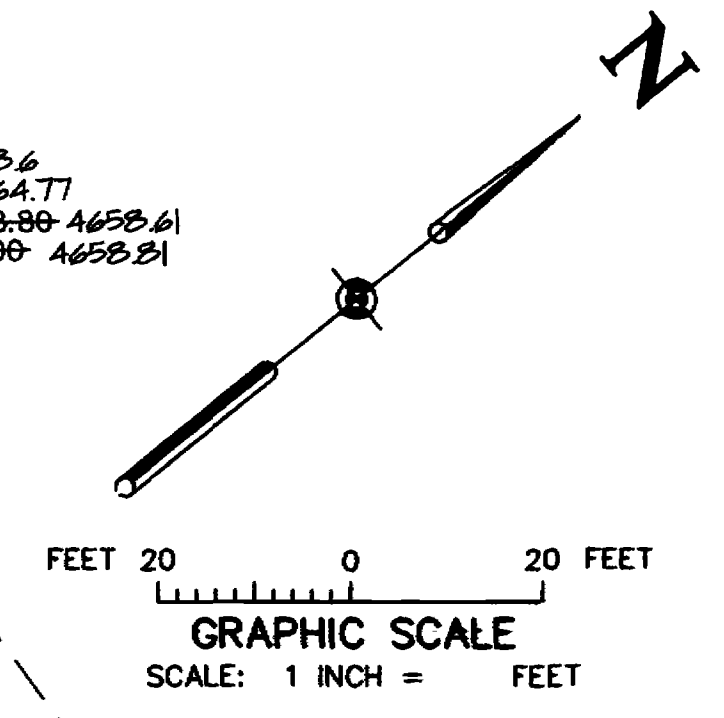


CONSTRUCTION DRAWING OF RECORD

ENGINEERS STATEMENT

Banner Associates, Inc., reviewed the construction of the Sanitary Sewer Improvements for The Meadowlark Gardens, as shown on this plan, and that to the best of our knowledge it conforms to the City of Grand Junction Standards and Specifications.

David E. Carper
 COLORADO REGISTERED PROFESSIONAL ENGINEER
 NO. 24991



CALL
 1-800-922-1987
 UTILITY NOTIFICATION
 CENTER OF COLORADO

BENCHMARK/CONTROL
 S 1/4 CORNER, SECT. 7
 MCSM No. 2280
 N 10000.000
 E 10000.000
 ELEV. 4648.35

E 1/16 COR., SECT 7/18
 MCSM No. 2056
 N 10007.304
 E 11321.534

DRAWN BY: D.J.H.	REVIEWED _____ DATE: _____ FOR _____
CHECKED BY: D.E.C.	REVIEWED _____ DATE: _____ FOR BANNER ASSOCIATES, INC.

AMERICAN CONSULTING ENGINEERS COUNCIL OF COLORADO

BANNER

BANNER ASSOCIATES, INC. • CONSULTING ENGINEERS & SURVEYORS
 2777 CROSSROADS BOULEVARD • GRAND JUNCTION, CO 81506 • (970) 243-2242

REVISION	DATE	DESCRIPTION	BY	CHKD
1	3/2/00	REVISED PER REVIEW COMMENTS	BKR	DEC
2	3/23/00	REVISED PER ADDITIONAL REVIEW COMMENTS	FJB	DEC
3	9/19/01	CONSTRUCTION DRAWING OF RECORD	SES	DEC

MEADOWLARK GARDENS
 GRAND JUNCTION, COLO.

**SANITARY SEWER LINE "A" PLAN & PROFILE
 MANHOLE A-1 TO MANHOLE A-4**

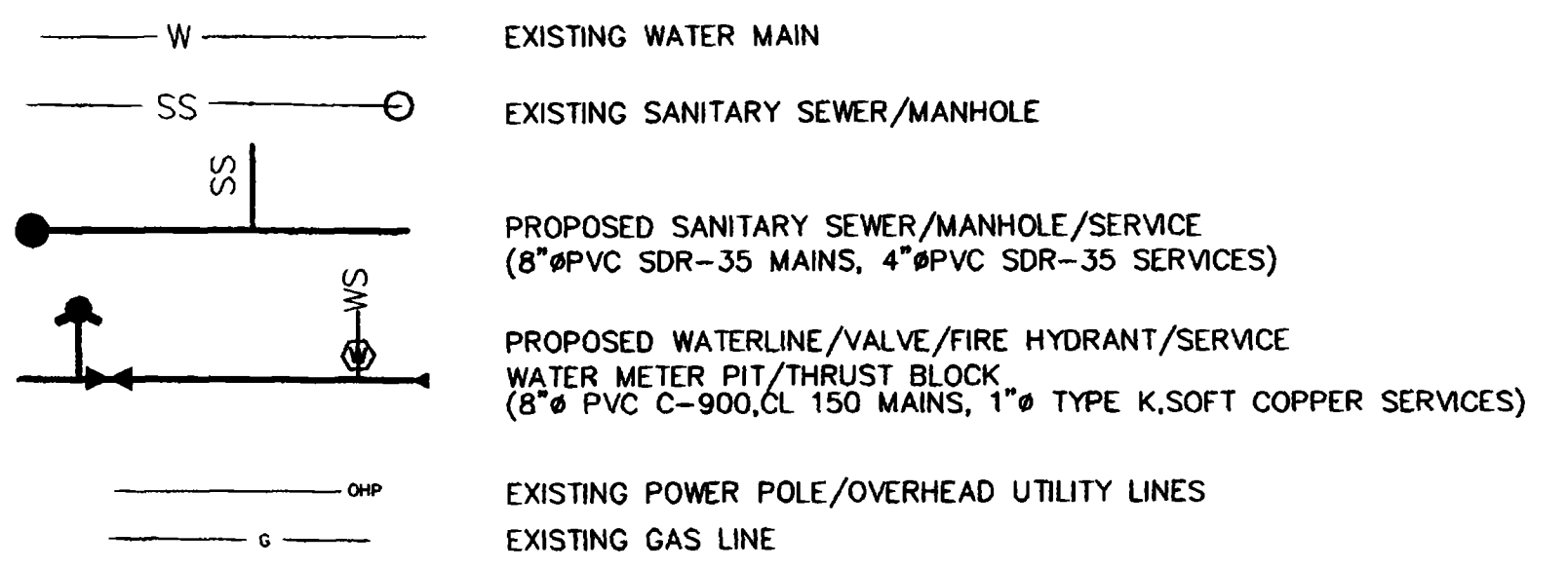
SCALE: Horiz: 1" = 20'
 Vert: 1" = 10'

Project No: 8387-01
 SHEET NO: 12 of 30
 DATE: 1-21-99

- SEWER NOTES:**
- Contractor shall have one signed copy of plans and a copy of the City of Grand Junction Standard Specifications at the job site at all times.
 - All sewer mains shall be PVC SDR 35 (ASTM 3034) unless otherwise noted.
 - 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.
 - No 4" services shall be connected directly into manholes.
 - The contractor shall notify the City inspection 48 hours prior to commencement of construction.
 - The Contractor is responsible for all required sewer line testing to be completed in accordance with the City of Grand Junction Standards and Specifications. Final testing to be accomplished only after all other infrastructure has been installed this includes water lines, gas lines, electric lines, etc.. Testing will be performed after all compaction of street subgrade and prior to street paving. Final lamping will also be accomplished after paving is completed to insure that the line is clean. These tests will be the basis for issuing initial acceptance of the sewer line extension.

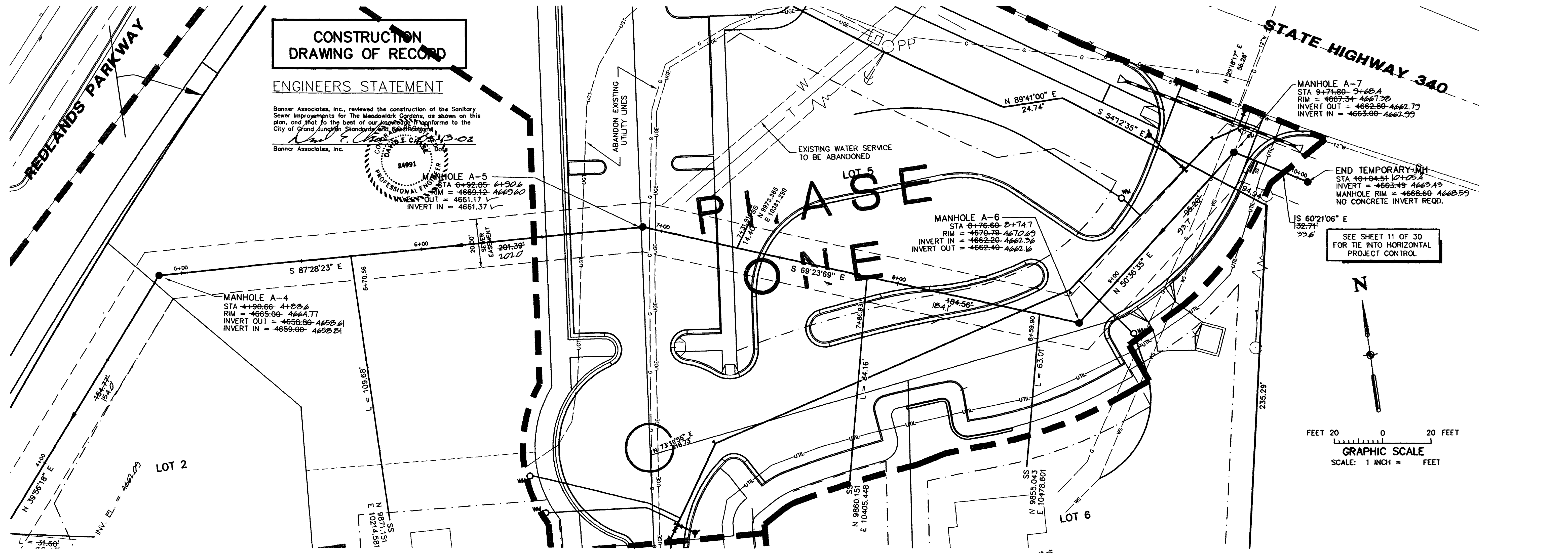
- SEWER NOTES:**
- The Contractor shall obtain City of Grand Junction Street Cut Permit for all work within existing City right-of-way prior to construction.
 - A clay cut-off wall shall be placed 10 feet upstream from all new manholes unless otherwise noted. The cut-off wall shall extend from 6 inches below to 6 inches above granular backfill material and shall be 2 feet wide. If native material is not suitable, the contractor shall import material approved by the engineer.
 - Sewer stub outs shall be capped and plugged. Stub out shall be identified with a steel fence post buried 1' below finished grade. As-built surveying of stub out required PRIOR to backfill.
 - Project benchmark - S 1/4 corner, Sec 7, T1S, R1W, UM. MCSM #236. 1996 GPS geodetic control network. Elevation = 4648.33
 - Red line as-builts shall be submitted to the City Utility Engineer at least 72 hours PRIOR to paving for review.
 - Sanitary Sewer system shall be constructed during Phase One construction.

LEGEND



APPROVED FOR CONSTRUCTION:

City of Grand Junction _____ Date _____
 ACCEPTED AS CONSTRUCTED:
Kick Davis _____ Date 10-12-02
 City of Grand Junction _____ Date _____



CONSTRUCTION DRAWING OF RECORD

ENGINEERS STATEMENT

Banner Associates, Inc., reviewed the construction of the Sanitary Sewer Improvements for The Meadowlark Gardens, as shown on this plan, and that to the best of our knowledge it conforms to the City of Grand Junction Standard Specifications. *Michael E. Carter* 10/13/02
 Banner Associates, Inc. _____ Date _____
 PROFESSIONAL ENGINEER 24991

MANHOLE A-4
 STA 4+90.66 4+28.6
 RIM = 4665.00 4664.71
 INVERT OUT = 4658.80 4658.61
 INVERT IN = 4659.00 4658.21

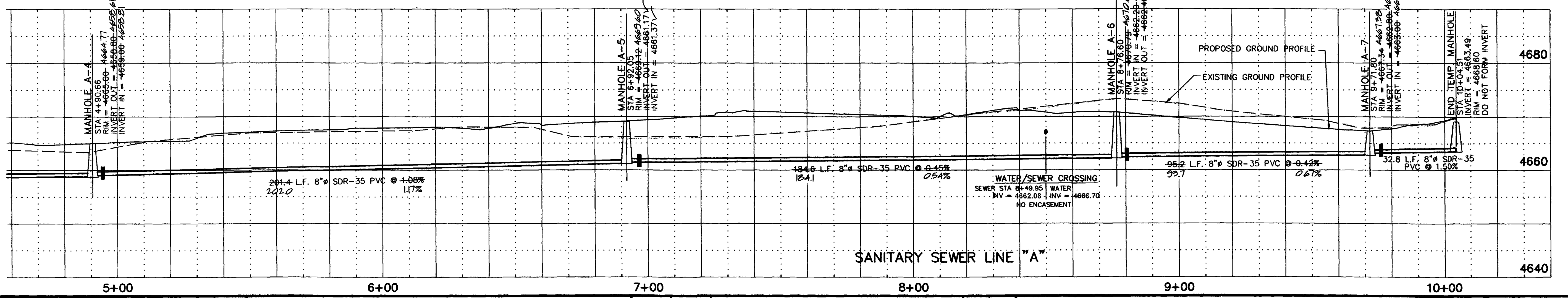
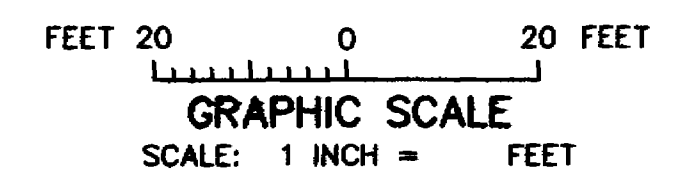
MANHOLE A-5
 STA 6+92.05 6+30.6
 RIM = 4663.42 4663.60
 INVERT OUT = 4661.17 4661.37
 INVERT IN = 4661.37

MANHOLE A-6
 STA 8+76.60 8+74.7
 RIM = 4670.70 4670.69
 INVERT IN = 4662.20 4662.36
 INVERT OUT = 4662.40 4662.16

MANHOLE A-7
 STA 9+71.00 9+68.4
 RIM = 4667.34 4667.28
 INVERT OUT = 4662.80 4662.79
 INVERT IN = 4663.00 4662.99

END TEMPORARY MH
 STA 10+04.51 10+05.4
 INVERT = 4663.49 4663.49
 MANHOLE RIM = 4668.60 4668.59
 NO CONCRETE INVERT REQ.

SEE SHEET 11 OF 30 FOR TIE INTO HORIZONTAL PROJECT CONTROL



CALL 1-800-922-1987 UTILITY NOTIFICATION CENTER OF COLORADO

BENCHMARK/CONTROL
 S 1/4 CORNER, SECT. 7
 MCSM No. 2280
 N 10000.000
 E 10000.000
 ELEV. 4648.33
 E 1/16 COR., SECT 7/18
 MCSM No. 2056
 N 10007.304
 E 11321.534

DRAWN BY: D.E.C.	REVIEWED _____ DATE: _____ FOR _____
CHECKED BY: D.E.C.	REVIEWED _____ DATE: _____ FOR BANNER ASSOCIATES, INC.

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BANNER

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 2777 CROSSROADS BOULEVARD • GRAND JUNCTION, CO 81506 • (970) 243-2242

REVISION	DATE	DESCRIPTION	BY	CHK'D
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2	3/23/00	REVISED PER ADDITIONAL REVIEW COMMENTS	FJB	DEC
3	3/19/01	CONSTRUCTION DRAWING OF RECORD	EGG	DEC

MEADOWLARK GARDENS GRAND JUNCTION, COLO.

**SANITARY SEWER LINE "A" PLAN & PROFILE
 MANHOLE A-4 TO MANHOLE A-7**

SCALE: Horiz: 1" = 20'
 Vert: 1" = 10'

Project No: 8387-01
 SHEET NO: 13 of 30
 DATE: 1-21-00