

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT (MESA COUNTY LOCAL IMPROVEMENT DISTRICT _____) SANITARY SEWER CONSTRUCTION SANITARY SEWER PLAN AND PROFILES OCTOBER, 2000

*AS-BUILT SET
JULY, 2001*

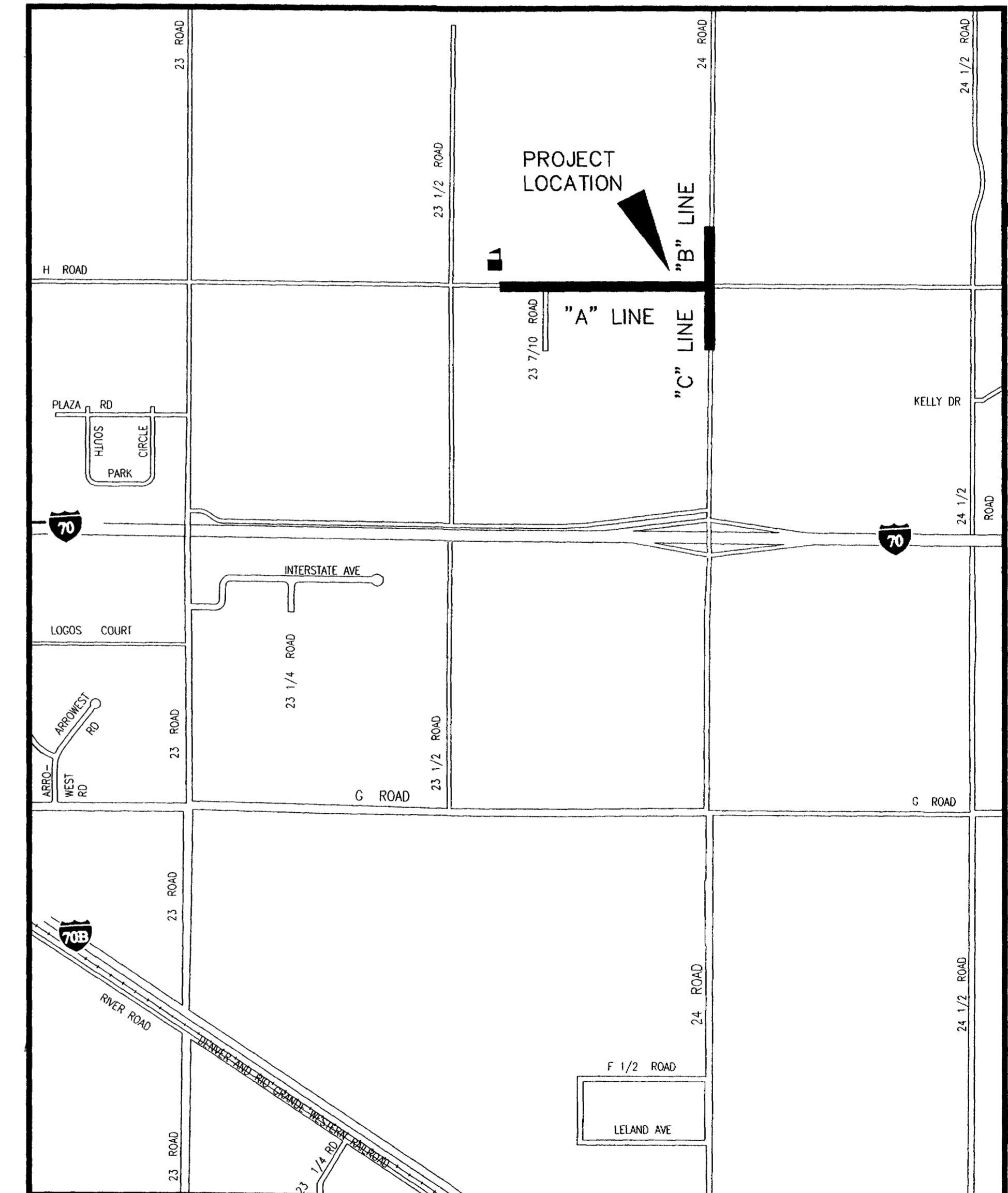


DATA DERIVED FOR A LINE AS-BUILTS FROM:
A) FIELD OBSERVATIONS BY ROLLAND ENGINEERING
FOR MAINLINE LOCATION AND GRADE.
B) FIELD OBSERVATIONS BY ROLLAND ENGINEERING
FOR LATERAL LOCATION.
C) FIELD OBSERVATIONS BY CONTRACTOR (TAYLOR CONSTRUCTORS)
FOR LATERAL GRADES

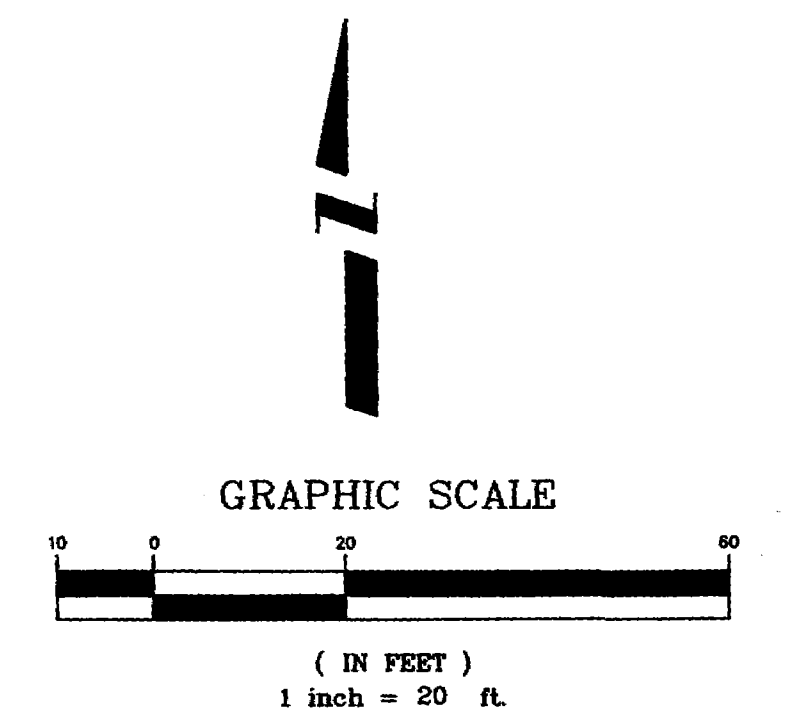
- 1 ————— Cover Sheet
- 2 ————— Drafting Standards and Abbreviations
- 3 ————— Summary of Approximate Quantities
- 4-8 ——— Sanitary Sewer Plan and Profiles (A Line)
- 9-10 ——— Sanitary Sewer Plan and Profiles (B Line)
- 11-12 ——— Sanitary Sewer Plan and Profiles (C Line)

CONTRACTOR: TAYLOR CONSTRUCTORS
CONTRACTOR'S SURVEYOR FOR LINES B AND C: THOMPSON LANGFORD CORPORATION

VICINITY MAP



City of Grand Junction, Colorado
Department of Public Works & Utilities *Engineering Division*



CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE SOUTH EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR GRAND JUNCTION DRAINAGE DISTRICT 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (GJDD)
- ③ PROPOSED NEW 8" PVC WATERLINE BY OTHERS.
- ④ 210.00 CONNECT PROPOSED 8" PVC SEWER LINE TO EXISTING MANHOLE. CONTRACTOR SHALL REMOVE EXISTING STUB FROM MANHOLE AND PLACE NEW SEWER LINE INTO EXISTING MANHOLE REFITTING EXISTING PSX GASKET TO NEW OUTLET PIPE. ALL WORK SHALL BE PAID FOR UNDER BID ITEM CONNECT PROPOSED 8" PVC SEWER TO EXISTING MANHOLE.
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (EAST ONLY) OF EXIST MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑤ 102.90 8" PVC PIPE, SDR-35, L = 150.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑥ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A1) (1 EA) 11+50 (N 55282.28 E 76732.36) (APPLY EPOXY COATING TO INVERT OF NEW MANHOLE PER SECTION 102.11 OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
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- ⑦ 102.90 8" PVC PIPE, SDR-35, L = 500.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.

2701-294-00-943
MESA COUNTY VALLEY
SCHOOL DISTRICT
2115 GRAND AVENUE
GRAND JUNCTION, CO 81501
2358 H ROAD
GRAND JUNCTION, CO 81505

2701-294-00-089
FRED AND CLORIE CUNNINGHAM
2366 H ROAD
GRAND JUNCTION, CO 81505

2701-321-00-082
DAN C PETTY
2355 H ROAD
GRAND JUNCTION, CO 81505

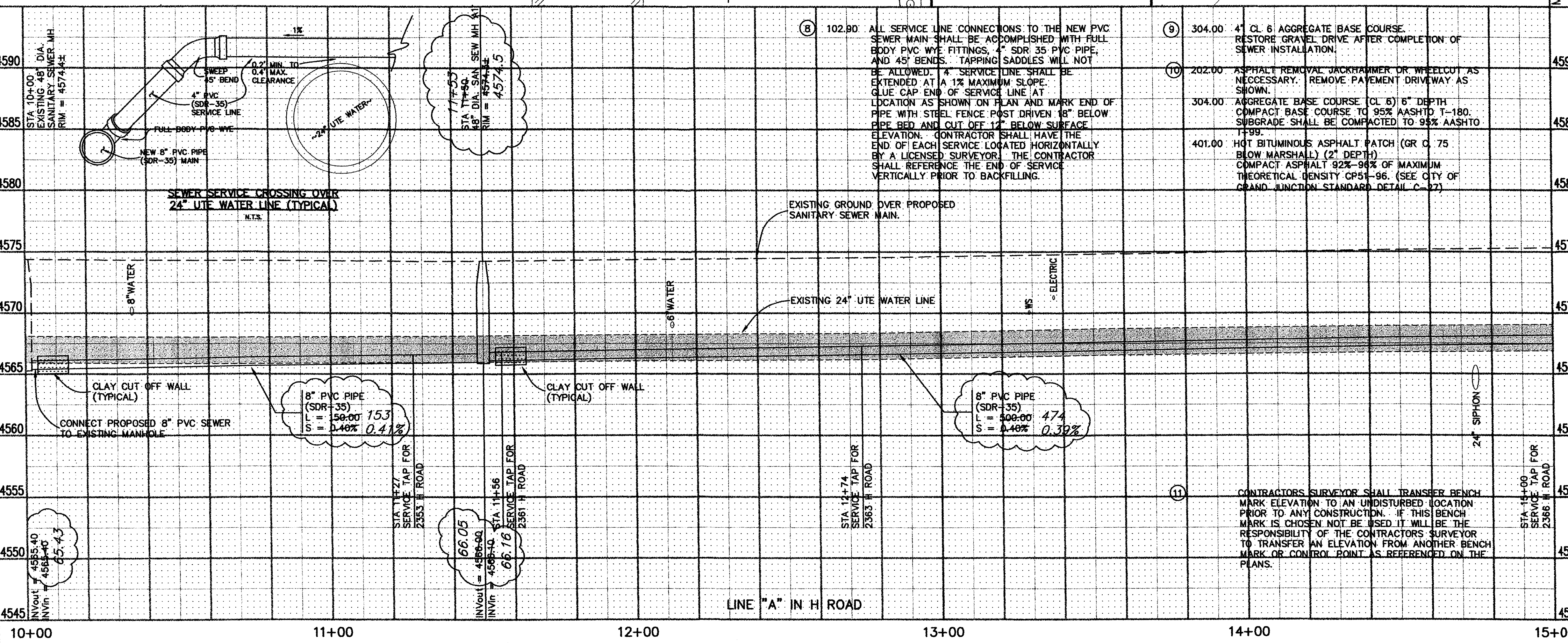
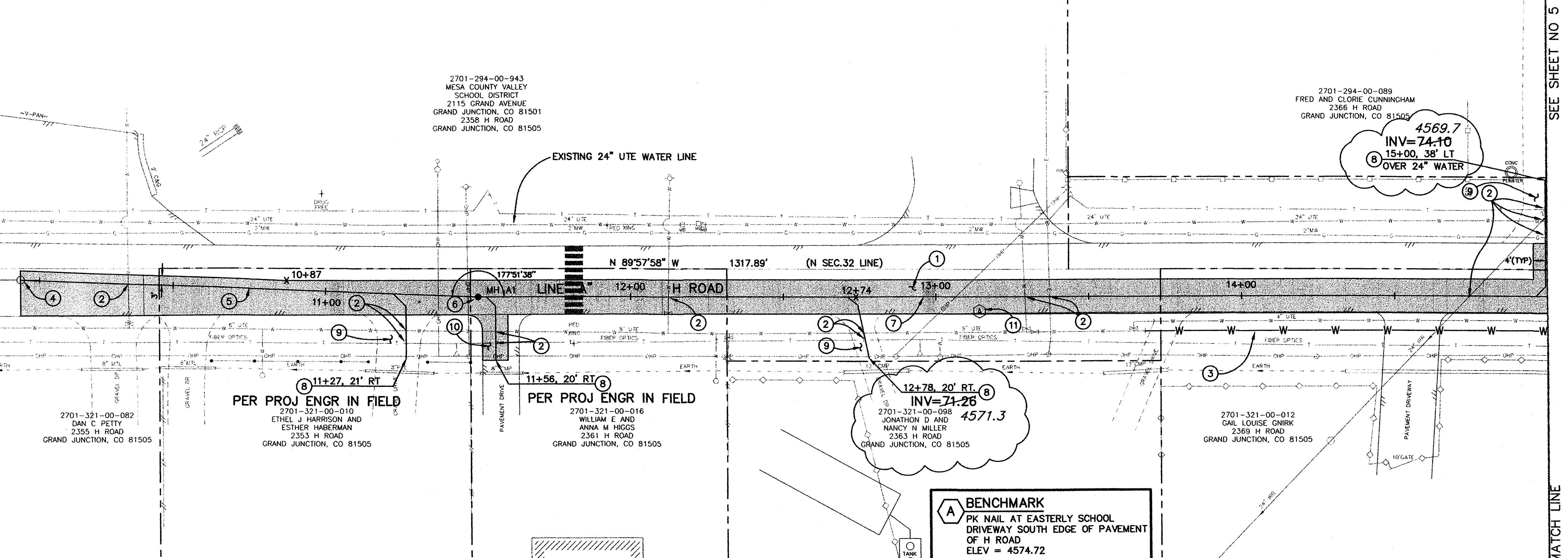
PER PROJ ENGR IN FIELD
2701-321-00-010
ETHEL J HARRISON AND
ESTHER HABERMAN
2353 H ROAD
GRAND JUNCTION, CO 81505

PER PROJ ENGR IN FIELD
2701-321-00-016
WILLIAM E AND
ANNA M HIGGS
2361 H ROAD
GRAND JUNCTION, CO 81505

2701-321-00-098
JONATHAN D AND
NANCY M MILLER
2363 H ROAD
GRAND JUNCTION, CO 81505

2701-321-00-012
GAIL LOUISE GRIK
2369 H ROAD
GRAND JUNCTION, CO 81505

BENCHMARK
PK NAIL AT EASTERLY SCHOOL
DRIVEWAY SOUTH EDGE OF PAVEMENT
OF H ROAD
ELEV = 4574.72

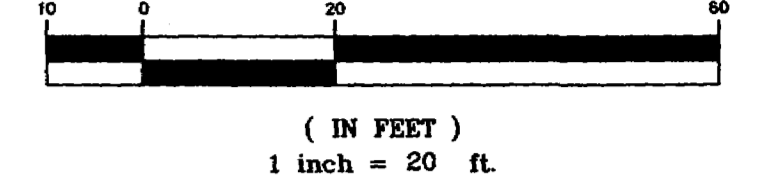


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SCALE	DATE
PLAN 1"=20'	
PROFILE 1"=20'	
HORIZ. 1"=20'	
VERT. 1"=5'	

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

**APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"A" LINE STA 10+00 TO STA 15+00**

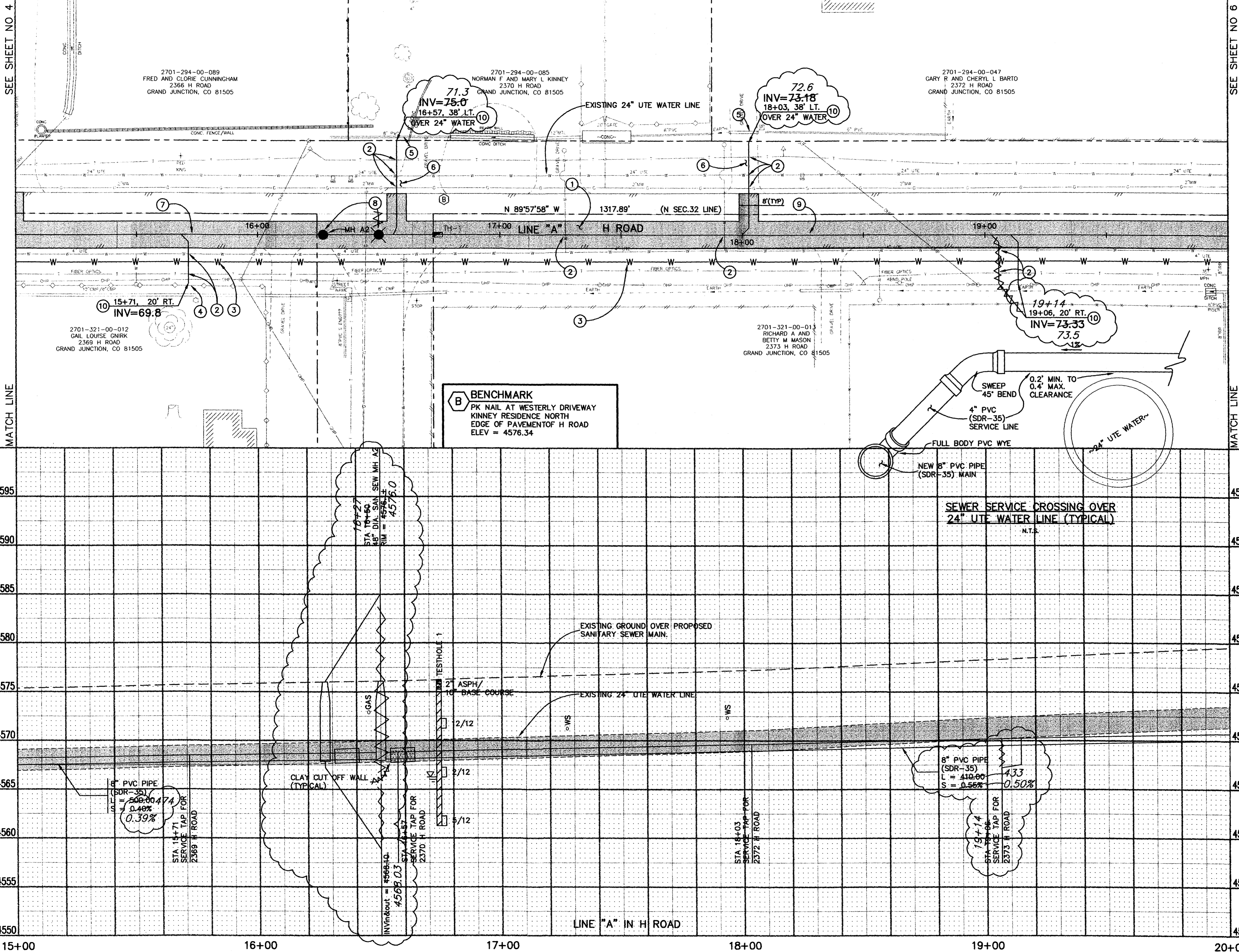


CONSTRUCTION NOTES

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- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99. (4600 SY)
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
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- ④ INSTALL SEWER SERVICE TO EXISTING FENCE. PROTECT EXISTING FENCE IN PLACE. ANY DAMAGE TO EXISTING FENCE WILL BE REPAIRED AT CONTRACTORS EXPENSE UNLESS OTHERWISE APPROVED BY PROJECT ENGINEER.
- ⑤ PROTECT EXISTING 8" IRRIGATION PIPE IN PLACE.
- ⑥ 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE AFTER COMPLETION OF SEWER INSTALLATION.
- ⑦ 102.90 8" PVC PIPE, SDR-35, L = 500.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑧ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A2) (1 EA) 16+50 (N 55282.65 E 77232.36) (LAY PIPE THROUGH MANHOLE PER SECTION 104.2C OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
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- ⑨ 102.90 8" PVC PIPE, SDR-35, L = 410.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑩ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED AT A 1% MAXIMUM SLOPE. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LINE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING.

SEE SHEET NO. 4

SEE SHEET NO. 6



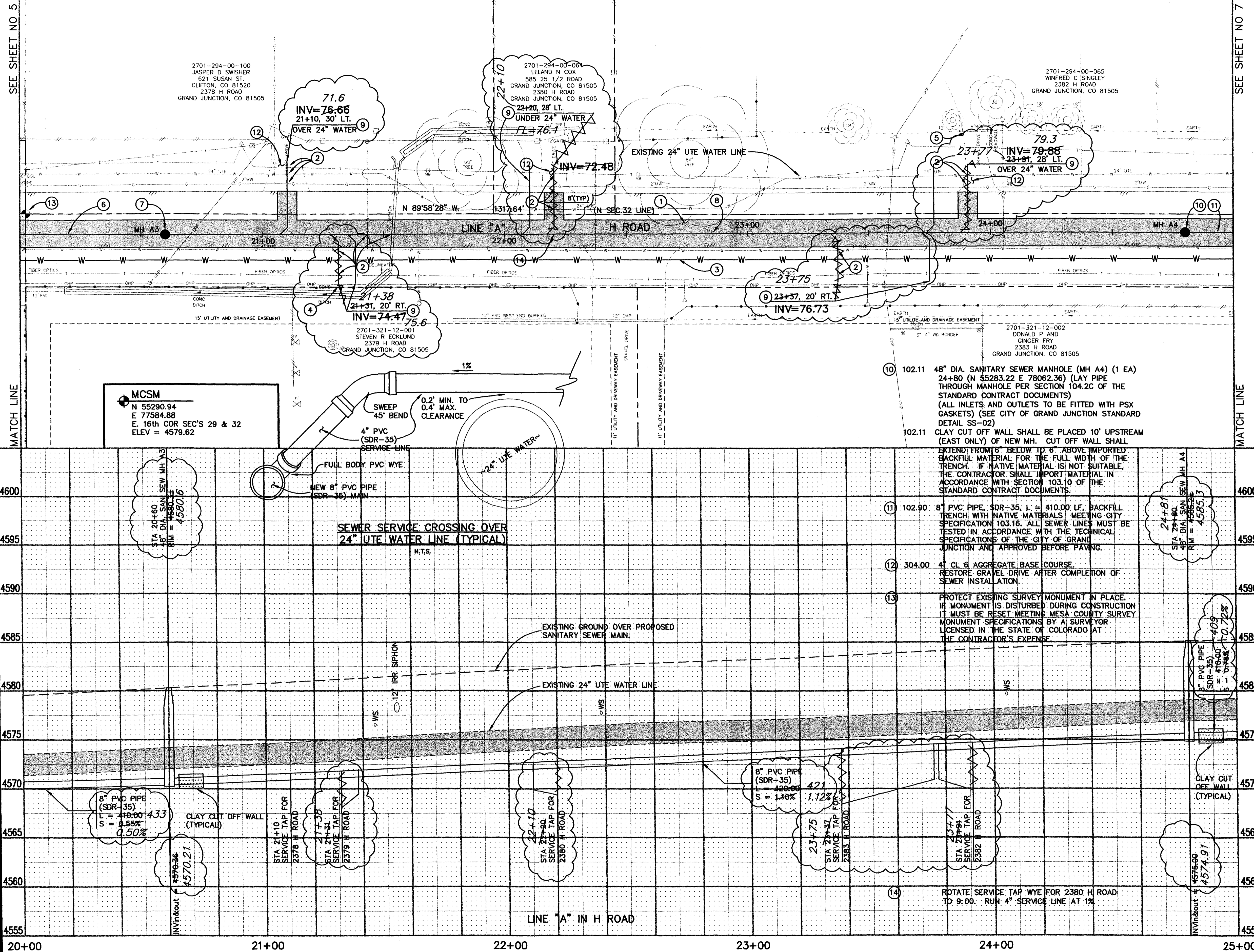
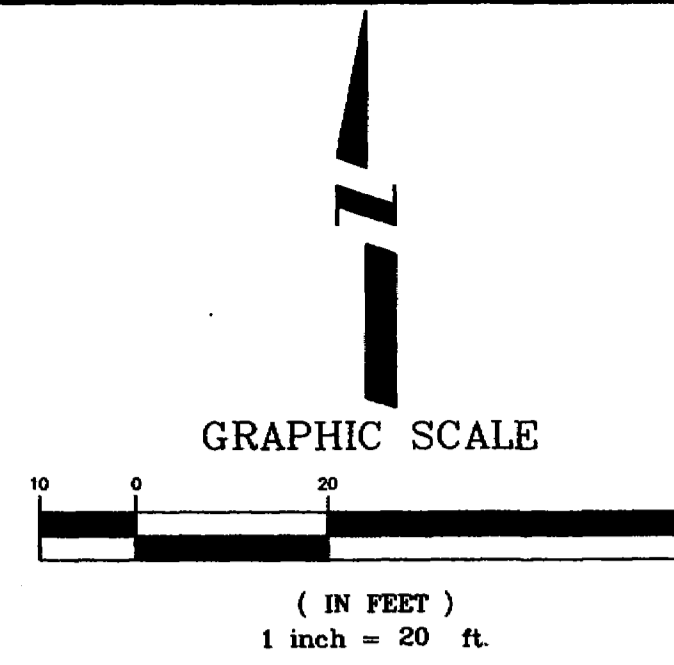
REVISION	DESCRIPTION	DATE
AS-BUILT		7-2001

DRAWN BY	JCS	DATE	
DESIGNED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	

SCALE	
PLAN	1"=20'
PROFILE	1"=5'

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

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILE
 "A" LINE STA 15+00 TO STA 20+00



- CONSTRUCTION NOTES**
- 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE SOUTH EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
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 - PROPOSED NEW 8" PVC WATERLINE BY OTHERS.
 - INSTALL SEWER SERVICE TO EXISTING FENCE OR GATE. PROTECT EXISTING FENCE OR GATE IN PLACE. ANY DAMAGE TO EXISTING FENCE OR GATE WILL BE REPAIRED AT CONTRACTOR'S EXPENSE UNLESS OTHERWISE APPROVED BY PROJECT ENGINEER.
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 - 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A3) (1 EA) 20+60 (N 55282.40 E 77642.36) (LAY PIPE THROUGH MANHOLE PER SECTION 104.2C OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
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 - 304.00 4" CL 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE AFTER COMPLETION OF SEWER INSTALLATION.
 - PROTECT EXISTING SURVEY MONUMENT IN PLACE. IF MONUMENT IS DISTURBED DURING CONSTRUCTION IT MUST BE RESET MEETING MESA COUNTY SURVEY MONUMENT SPECIFICATIONS BY A SURVEYOR LICENSED IN THE STATE OF COLORADO AT THE CONTRACTOR'S EXPENSE.
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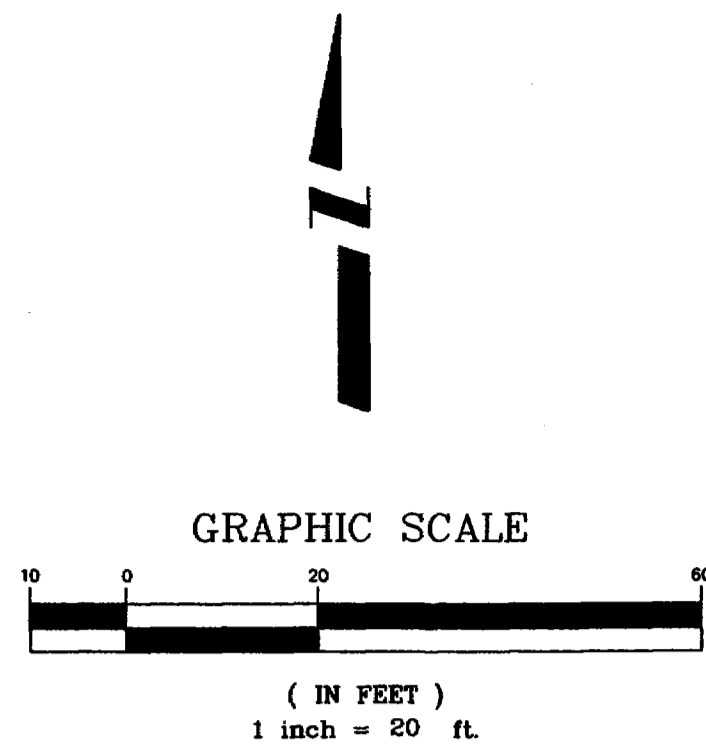
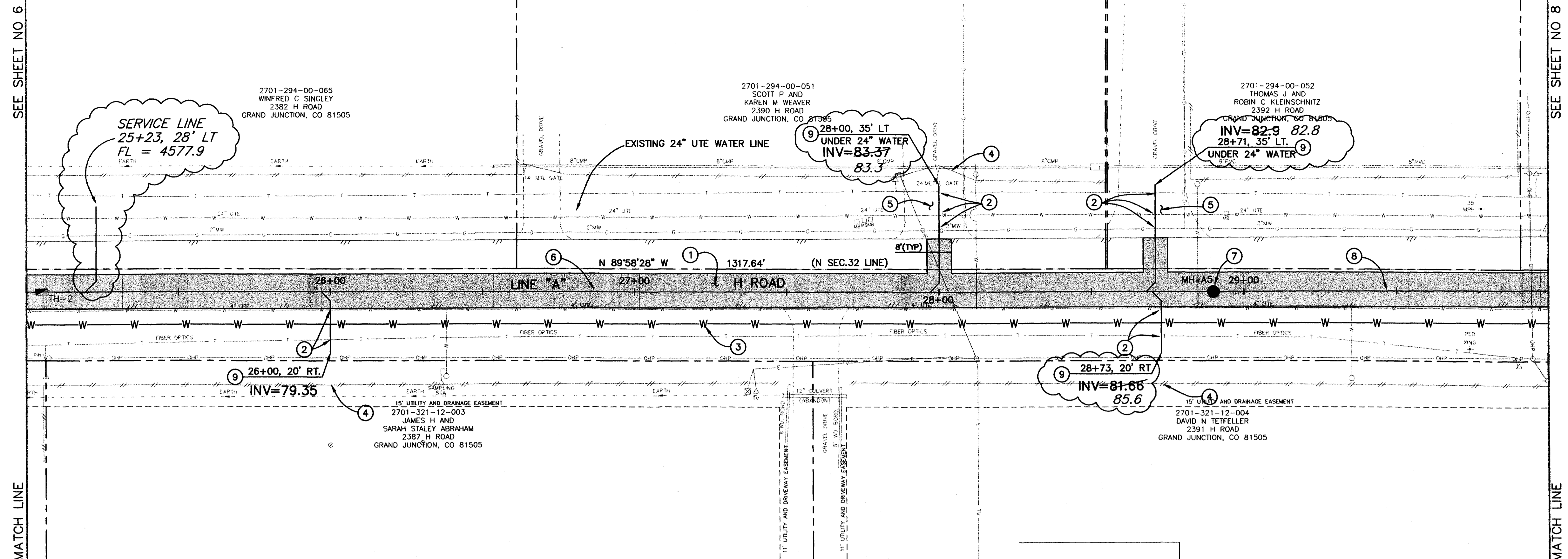
SCALE	
PLAN	PROFILE
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**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO**

**APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"A" LINE STA 20+00 TO STA 25+00**

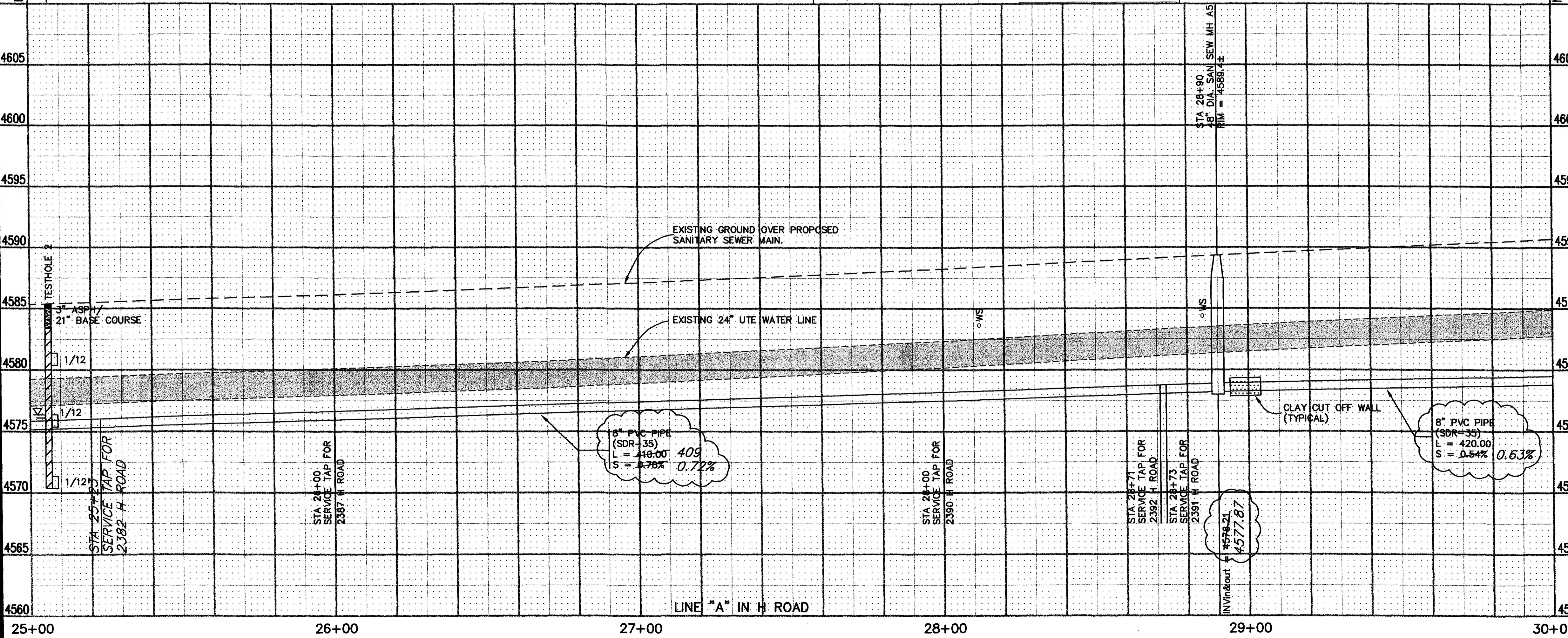
SEE SHEET NO 6

SEE SHEET NO 8



CONSTRUCTION NOTES

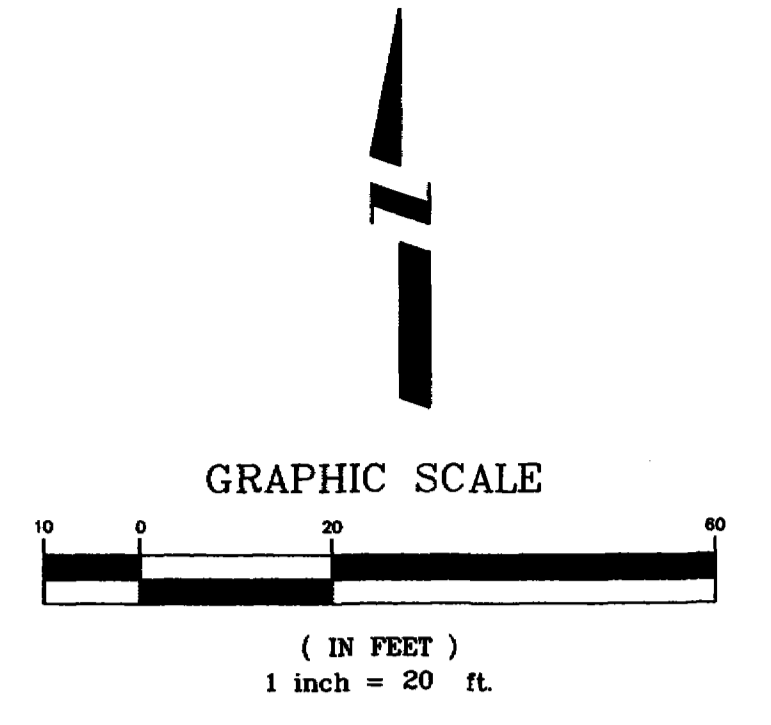
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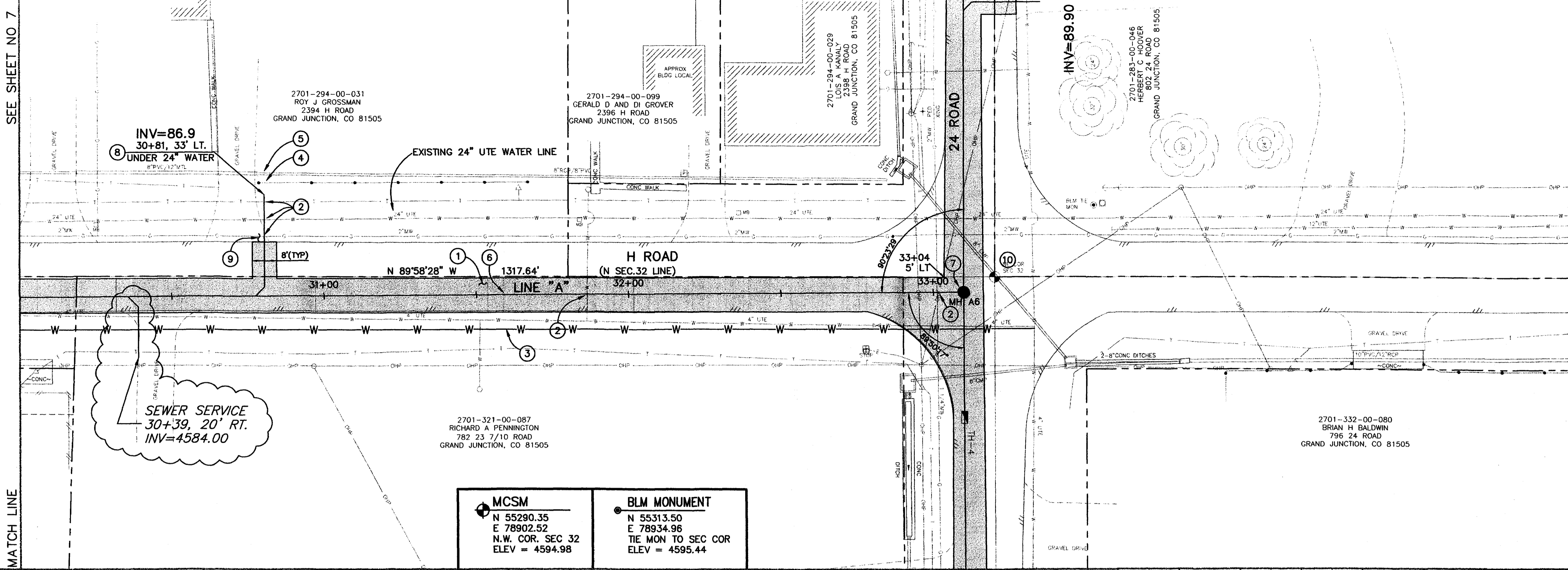
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CITY OF GRAND JUNCTION, COLORADO**

**APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"A" LINE STA 25+00 TO STA 30+00**

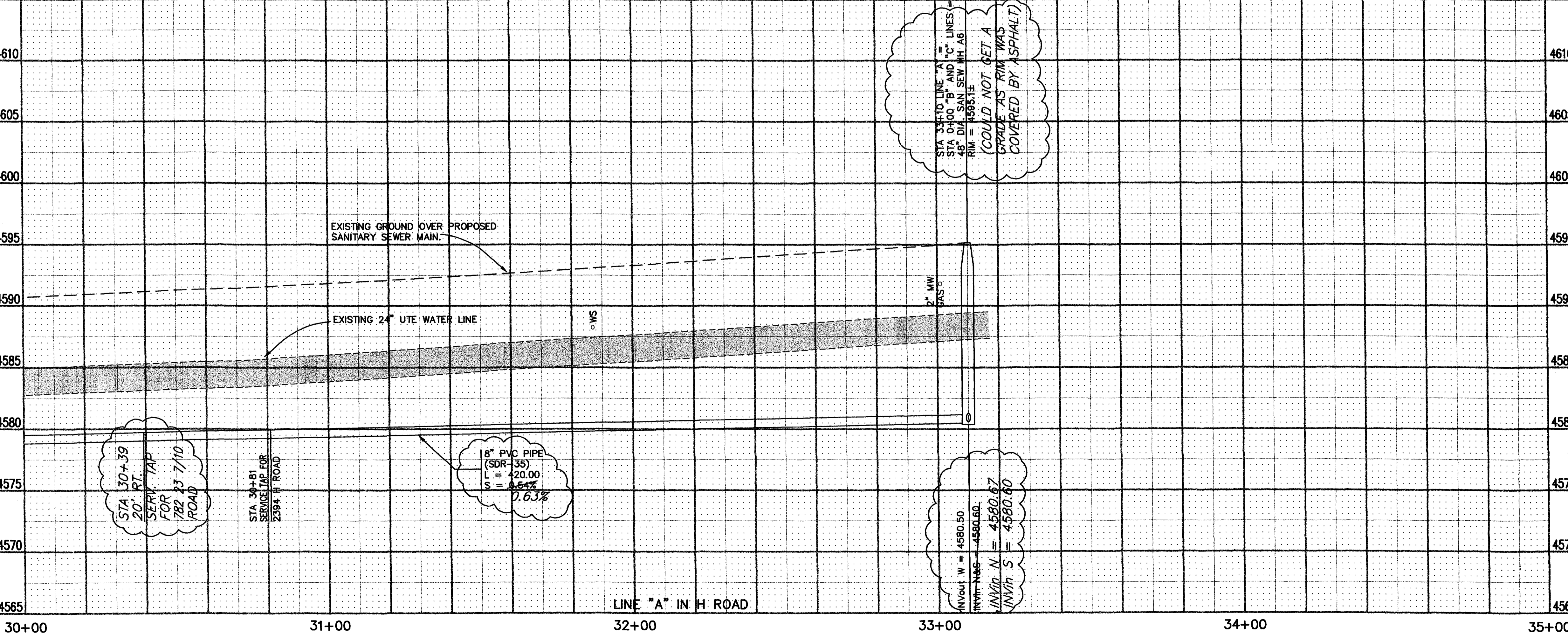


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- ⑦ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A6) (1 EA) 33+10 "A" LINE = 0+00 "B" AND "C" LINE (N 55285.37 E 78892.35) (APPLY EPOXY COATING TO INVERT OF NEW MANHOLE PER SECTION 102.11 OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (NORTH & SOUTH) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑧ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED AT A 1% MAXIMUM SLOPE. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING.
- ⑨ 304.00 4" CL. 6 AGGREGATE BASE COURSE. RESTORE GRAVEL DRIVE AFTER COMPLETION OF SEWER INSTALLATION.
- ⑩ PROTECT EXISTING SURVEY MONUMENT IN PLACE. IF MONUMENT IS DISTURBED DURING CONSTRUCTION IT MUST BE RESET MEETING MESA COUNTY SURVEY MONUMENT SPECIFICATIONS BY A SURVEYOR LICENSED IN THE STATE OF COLORADO AT THE CONTRACTOR'S EXPENSE.



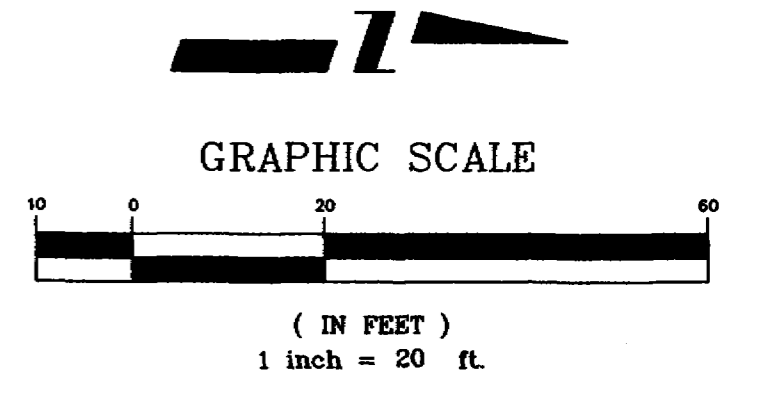
<p>MCSM N 55290.35 E 78902.52 N.W. COR. SEC 32 ELEV = 4594.98</p>	<p>BLM MONUMENT N 55313.50 E 78934.96 TIE MON TO SEC COR ELEV = 4595.44</p>
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<p>REVISION A AS-BUILT REVISION B REVISION C REVISION D</p>	<p>DATE 7-2001 DATE DATE DATE</p>	<p>DRAWN BY JCS DESIGNED BY CHECKED BY APPROVED BY</p>	<p>DATE DATE DATE DATE</p>	<p>SCALE PLAN 1"=20' PROFILE 1"=20' VERT. 1"=5'</p>
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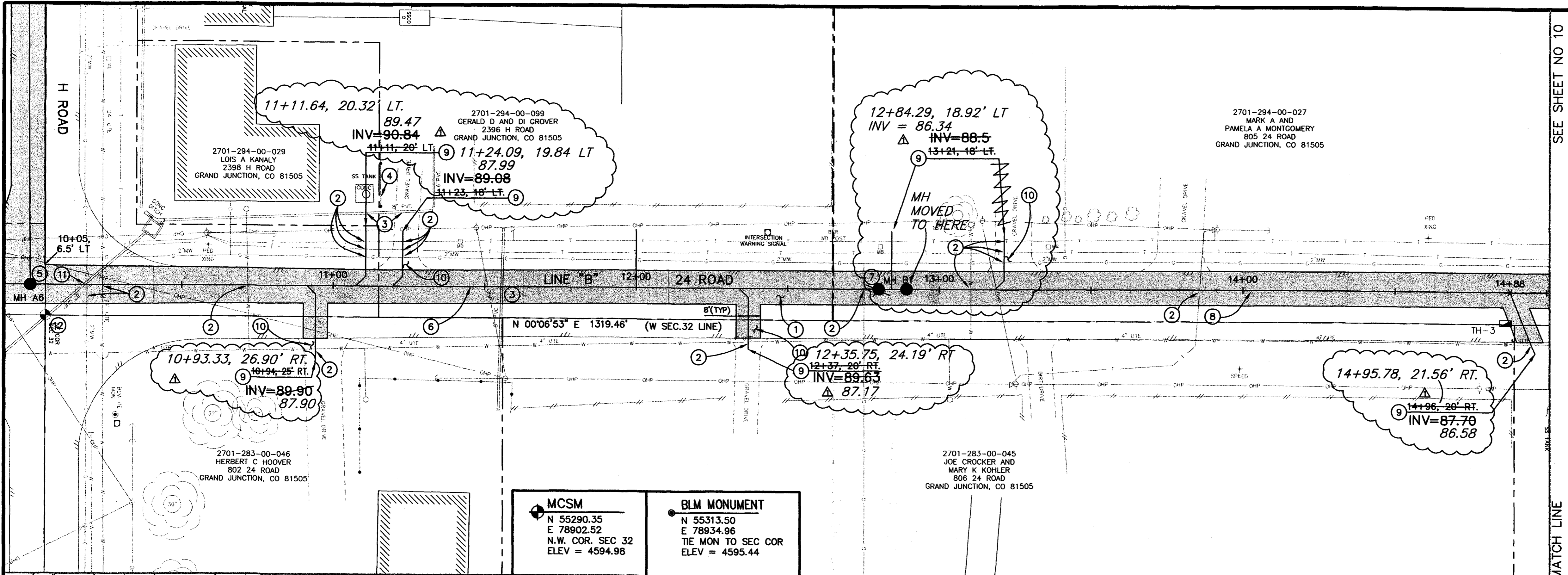
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
 ENGINEERING AND TECHNICAL SERVICES DIVISIONS
 CITY OF GRAND JUNCTION, COLORADO

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILE
 "A" LINE STA 30+00 TO STA 33+10

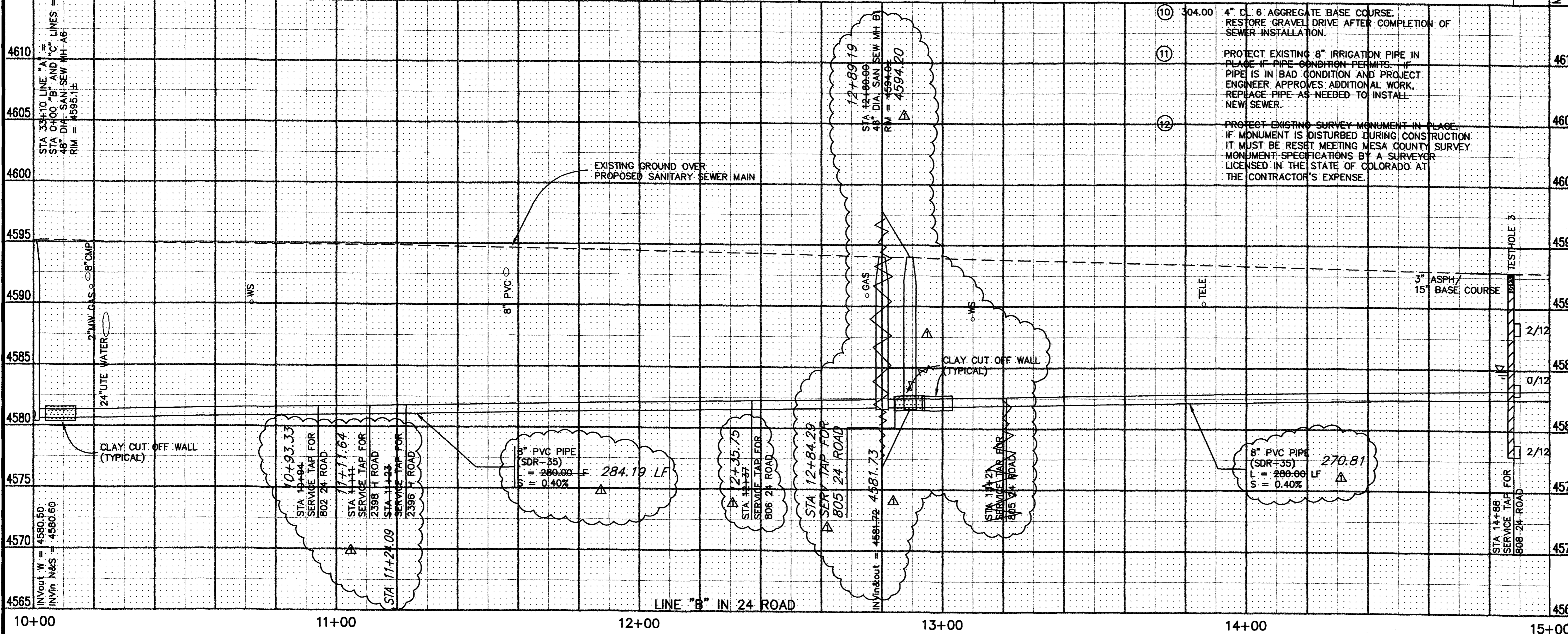


CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE WEST EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR GRAND JUNCTION DRAINAGE DISTRICT 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (GJDD)
- ③ PROTECT EXISTING 8" IRRIGATION PIPE IN PLACE.
- ④ PROTECT EXISTING WOOD AND WOVEN WIRE FENCE IN PLACE.
- ⑤ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A6) (1 EA) 33+10 "A" LINE = 9+00 "B" AND "C" LINE (N 55285.37 E 78892.35) (APPLY EPOXY COATING TO INVERT OF NEW MANHOLE PER SECTION 102.11 OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (NORTH & SOUTH) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑥ 102.90 8" PVC PIPE, SDR-35, L = 286.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑦ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH B1) (1 EA) 12+89.19 (N 55666.37 E 78892.71) (LAY PIPE THROUGH MANHOLE PER SECTION 104.2C OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (NORTH ONLY) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑧ 102.90 8" PVC PIPE, SDR-35, L = 270.81 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑨ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED AT A 1% MAXIMUM SLOPE. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING.



MCSM	BLM MONUMENT
N 55290.35 E 78902.52 N.W. COR. SEC 32 ELEV = 4594.98	N 55313.50 E 78934.96 TIE MON TO SEC COR ELEV = 4595.44

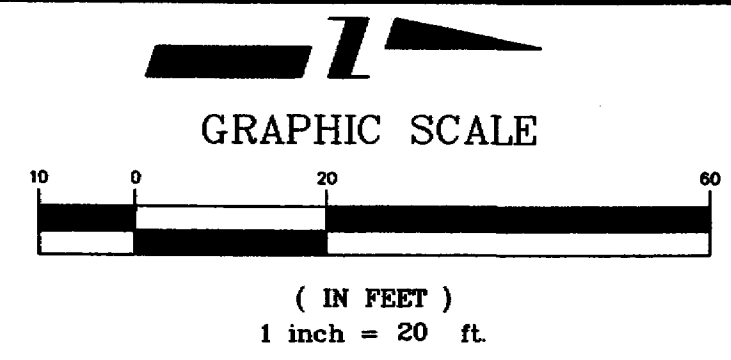


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
AS-BUILT		7-12-02	JCS	

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

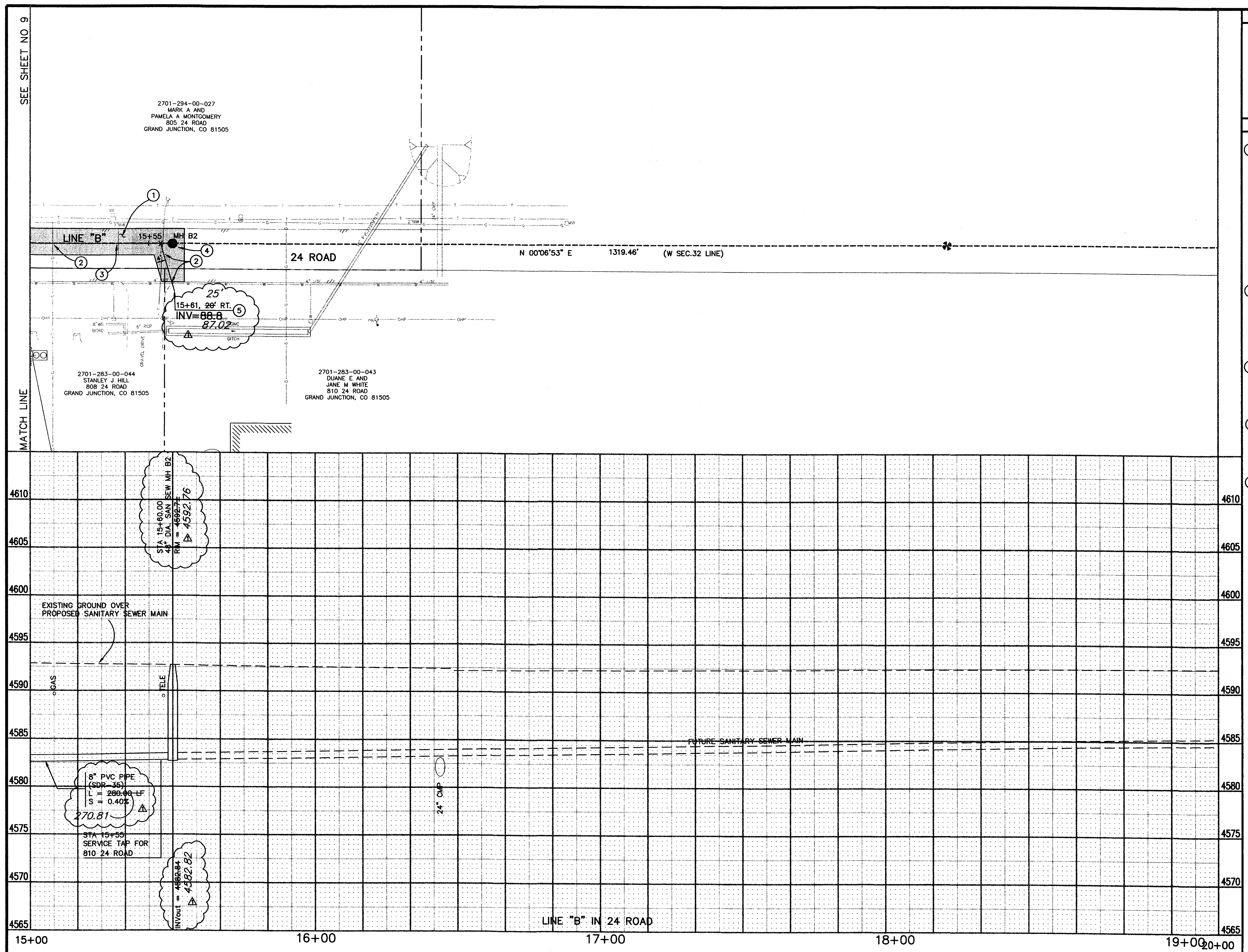
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING AND TECHNICAL SERVICES DIVISIONS
CITY OF GRAND JUNCTION, COLORADO

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"B" LINE STA 10+00 TO STA 15+00



CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE WEST EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR GRAND JUNCTION DRAINAGE DISTRICT 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (GJDD)
- ③ 102.90 8" PVC PIPE, SDR-35, L = 286.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ④ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH B2) (1 EA) 15+60 (N 55845.37 E 78893.08) MANHOLE SHALL HAVE A PRECAST BASE WITH OUT AN INVERT. THE OUTLET OF THE MANHOLE SHALL BE FITTED WITH A PSX GASKET (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- ⑤ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED AT A 1% MAXIMUM SLOPE. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
AS-BUILT		7-12-02	JCS		PLAN 1"=20'
					PROFILE 1"=5'

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

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
 SANITARY SEWER PLAN AND PROFILE
 "B" LINE STA 15+00 TO STA 20+00

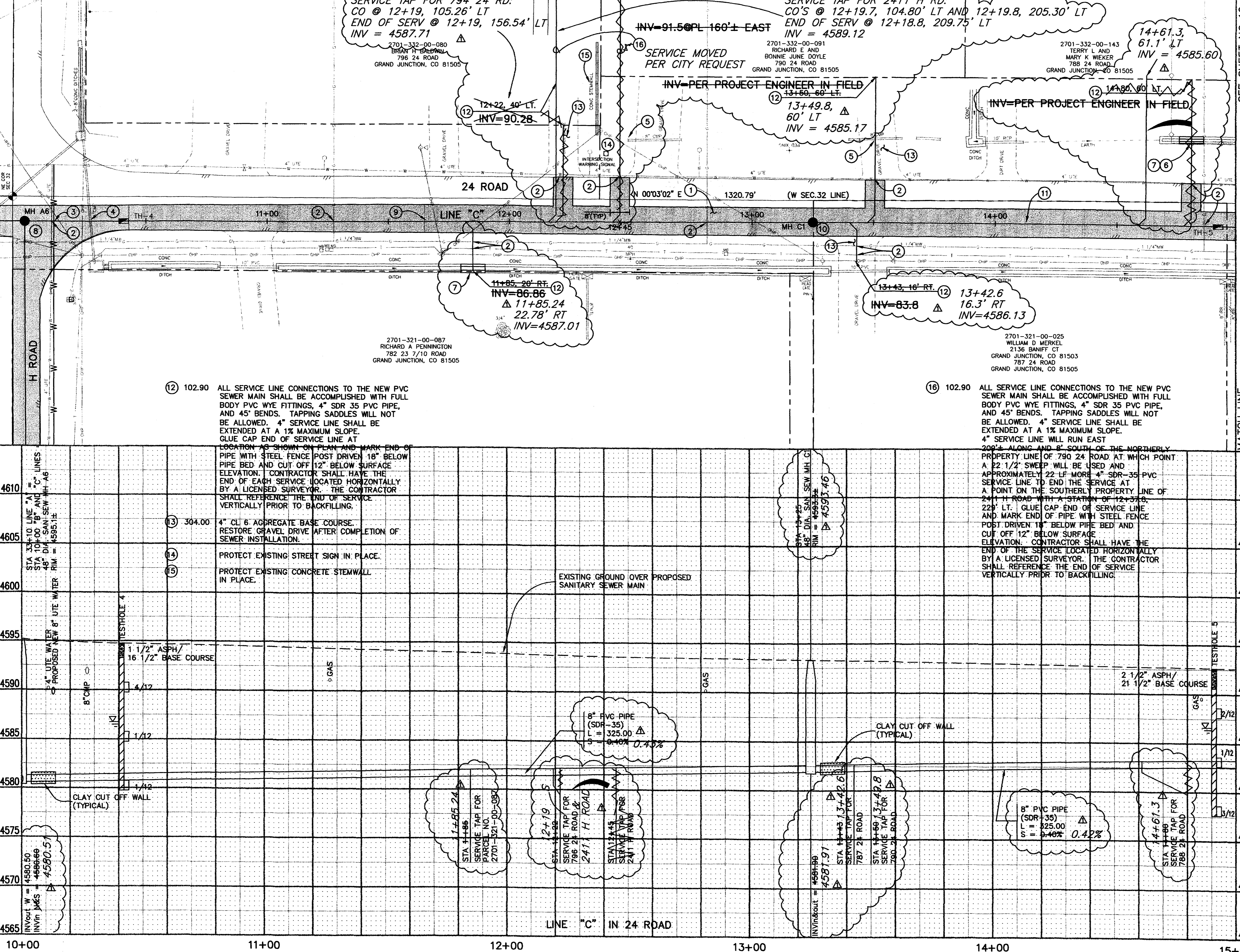
2101008



GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE WEST EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180 SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR GRAND JUNCTION DRAINAGE DISTRICT 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (GUDD)
- ③ PROPOSED NEW 8" PVC WATERLINE BY OTHERS.
- ④ PROTECT EXISTING 8" IRRIGATION PIPE IN PLACE IF PIPE CONDITION PERMITS. IF PIPE IS IN BAD CONDITION AND PROJECT ENGINEER APPROVES ADDITIONAL WORK, REPLACE PIPE AS NEEDED TO INSTALL NEW SEWER.
- ⑤ PROTECT EXISTING IRRIGATION PIPE IN PLACE.
- ⑥ 210.00 RESET EXISTING CHAIN LINK FENCE (10± LF)
- ⑦ 210.00 RECONSTRUCT CONCRETE LINED DITCH (10± LF) RECONSTRUCT LINED DITCH TO MATCH PRECONSTRUCTION CONDITIONS. DOWEL INTO EXISTING DITCH LINER AT 12" CENTERS. 12" DOWELS NO. 4 BAR, 6" DEPTH. PROVIDE A TOOLED CAULKED JOINT AT CONNECTIONS TO EXISTING DITCH.
- ⑧ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH A6) (1 EA) 33+10 "A" LINE = 1+00 "B" AND "C" LINE (N 55285.37 E 78893.23) (APPLY EPOXY COATING TO INVERT OF NEW MANHOLE PER SECTION 102.11 OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (NORTH & SOUTH) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑨ 102.90 8" PVC PIPE, SDR-35, L = 325.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑩ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH C1) (1 EA) 13+25 (N 54960.37 E 78893.23) (LAY PIPE THROUGH MANHOLE PER SECTION 104.2C OF THE STANDARD CONTRACT DOCUMENTS) (ALL INLETS AND OUTLETS TO BE FITTED WITH PSX GASKETS) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (SOUTH ONLY) OF NEW MH. CUT OFF WALL SHALL EXTEND FROM 6" BELOW TO 6" ABOVE IMPORTED BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH. IF NATIVE MATERIAL IS NOT SUITABLE, THE CONTRACTOR SHALL IMPORT MATERIAL IN ACCORDANCE WITH SECTION 103.10 OF THE STANDARD CONTRACT DOCUMENTS.
- ⑪ 102.90 8" PVC PIPE, SDR-35, L = 325.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
AS-BUILT		7-12-02	JCS	

CHECKED BY	DATE	APPROVED BY	DATE

SCALE	
PLAN	1"=20'
PROFILE	1"=5'

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

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"C" LINE STA 10+00 TO STA 15+00



(IN FEET)
1 inch = 20 ft.

CONSTRUCTION NOTES

- ① 202.00 ASPHALT REMOVAL JACKHAMMER OR WHEELCUT AS NECESSARY. REMOVE PAVEMENT FROM A POINT BETWEEN THE DOUBLE YELLOW PAINT LINES TO THE WEST EDGE OF PAVEMENT AND AT SERVICE CROSSINGS ALONG THE LENGTH OF THE NEW SEWER LINE CONSTRUCTION AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CL 6) (6" DEPTH) COMPACT BASE COURSE TO 95% AASHTO T-180. SUBGRADE SHALL BE COMPACTED TO 95% AASHTO T-99.
- 401.00 HOT BITUMINOUS ASPHALT PATCH (GR C, 75 BLOW MARSHALL) (4" DEPTH) PAVEMENT SHALL BE APPLIED IN TWO 2" LIFTS. COMPACT ASPHALT 92%-96% OF MAXIMUM THEORETICAL DENSITY CP51-96. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL C-27)
- ② NOTIFY UTE WATER, PUBLIC SERVICE COMPANY, QWEST COMMUNICATIONS, AT&T CABLE, AND OR GRAND JUNCTION DRAINAGE DISTRICT 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE WATER LINES (UTE), GAS OR ELECTRIC LINES (PSCO), TELEPHONE LINES (QWEST), CABLE TV LINES (AT&T CABLE), AND OR IRRIGATION LINES (GJDD)
- ③ 210.00 RECONSTRUCT CONCRETE LINED DITCH (10± LF) RECONSTRUCT CONCRETE LINED DITCH TO MATCH PRECONSTRUCTION CONDITIONS. DOWEL INTO EXISTING DITCH LINER AT 12" CENTERS. 12" DOWELS NO. 4 BAR, 6" DEPTH. PROVIDE A TOOLED CAULKED JOINT AT CONNECTIONS TO EXISTING DITCH.
- ④ 203.00 RE-GRADE EARTH DITCH IN AFTER BACKFILLING OPERATIONS TO MATCH PRECONSTRUCTION CONDITIONS. (10± LF)
- ⑤ 102.90 8" PVC PIPE, SDR-35, L = 325.00 LF, BACKFILL TRENCH WITH NATIVE MATERIALS MEETING CITY SPECIFICATION 103.16. ALL SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE PAVING.
- ⑥ 102.11 48" DIA. SANITARY SEWER MANHOLE (MH C2) (1 EA) 16+50 (N 54635.37 E 78891.45) MANHOLE SHALL HAVE A PRECAST BASE WITH DEAD END INVERT. THE OUTLET OF THE MANHOLE SHALL BE FITTED WITH A PSX GASKET (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- ⑦ 102.90 ALL SERVICE LINE CONNECTIONS TO THE NEW PVC SEWER MAIN SHALL BE ACCOMPLISHED WITH FULL BODY PVC WYE FITTINGS, 4" SDR 35 PVC PIPE, AND 45° BENDS. TAPPING SADDLES WILL NOT BE ALLOWED. 4" SERVICE LINE SHALL BE EXTENDED AT A 1% MAXIMUM SLOPE. GLUE CAP END OF SERVICE LINE AT LOCATION AS SHOWN ON PLAN AND MARK END OF PIPE WITH STEEL FENCE POST DRIVEN 18" BELOW PIPE BED AND CUT OFF 12" BELOW SURFACE ELEVATION. CONTRACTOR SHALL HAVE THE END OF EACH SERVICE LOCATED HORIZONTALLY BY A LICENSED SURVEYOR. THE CONTRACTOR SHALL REFERENCE THE END OF SERVICE VERTICALLY PRIOR TO BACKFILLING.

SEE SHEET NO 11

MATCH LINE

4610
4605
4600
4595
4590
4585
4580
4575
4570
4565

4610
4605
4600
4595
4590
4585
4580
4575
4570
4565

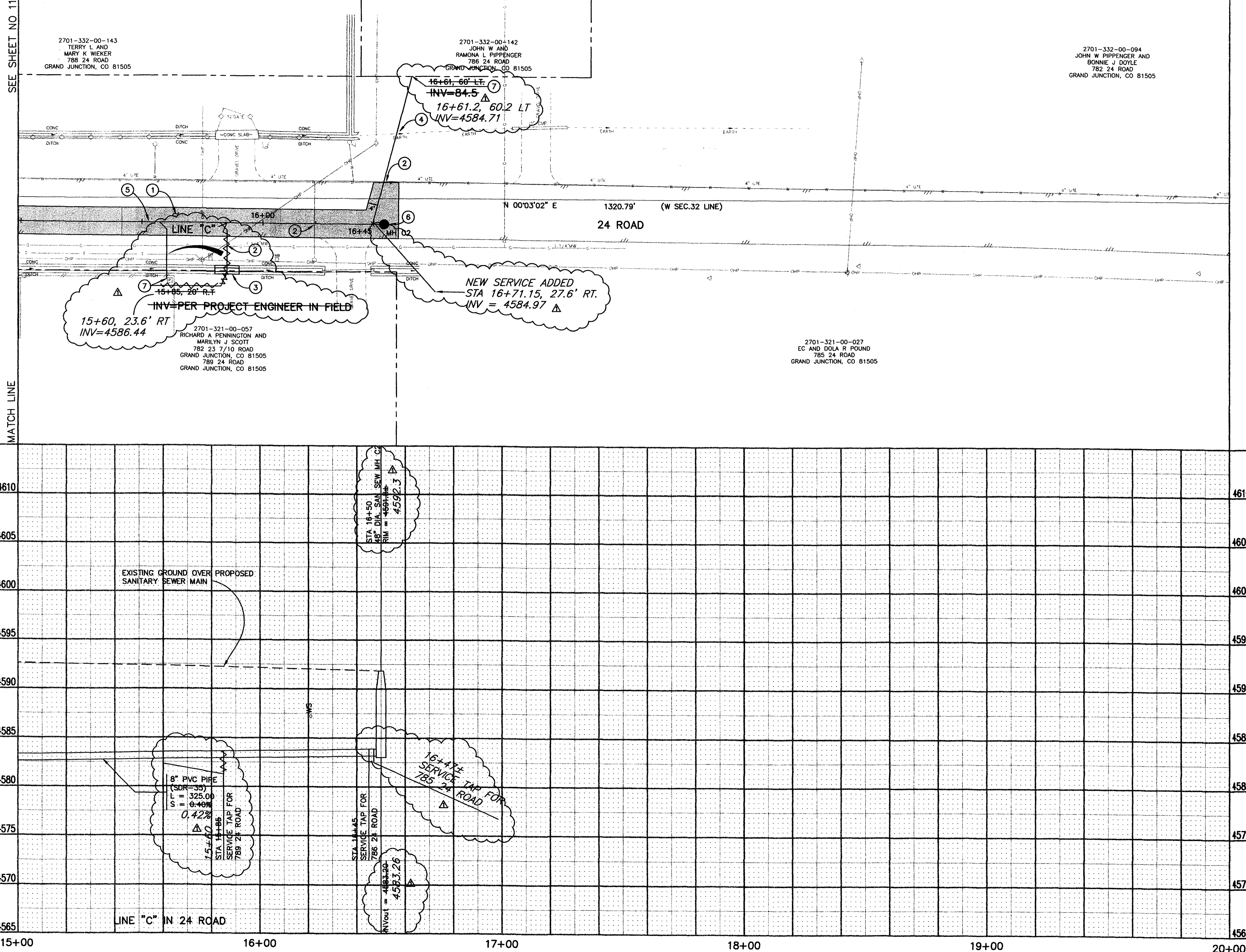
15+00 16+00 17+00 18+00 19+00 20+00

DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ AS-BUILT	7-12-02	JCS	
REVISION Δ			
REVISION Δ			
REVISION Δ			

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

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

APPLETON NO. 2 LOCAL IMPROVEMENT DISTRICT
SANITARY SEWER PLAN AND PROFILE
"C" LINE STA 15+00 TO STA 20+00



2701-332-00-143
TERRY L AND
MARY K WIEKER
788 24 ROAD
GRAND JUNCTION, CO 81505

2701-332-00-142
JOHN W AND
RAMONA L PIPPENGER
786 24 ROAD
GRAND JUNCTION, CO 81505

2701-332-00-094
JOHN W PIPPENGER AND
BONNIE J DOYLE
782 24 ROAD
GRAND JUNCTION, CO 81505

2701-321-00-057
RICHARD A PENNINGTON AND
MARILYN J SCOTT
782 23 7/10 ROAD
GRAND JUNCTION, CO 81505
789 24 ROAD
GRAND JUNCTION, CO 81505

2701-321-00-027
EC AND DOLA R POUND
785 24 ROAD
GRAND JUNCTION, CO 81505

15+60, 23.6' RT
INV=4586.44
INV=PER PROJECT ENGINEER IN FIELD

16+61, 60' LT
INV=84.5
16+61.2, 60.2 LT
INV=4584.71

NEW SERVICE ADDED
STA 16+71.15, 27.6' RT.
INV = 4584.97

STA 16+50
48" DIA. SAN. SEW. MH C2
RIM = 4594.3

8" PVC PIPE
(SDR-35)
L = 325.00
S = 0.42%
0.422%
1/5+60
STA 15+00
SERVICE TAP FOR
789 2" ROAD

STA 16+50
SERVICE TAP FOR
785 2" ROAD
INV=4584.20
4583.26

16+50 SERVICE TAP FOR
785 2" ROAD

LINE "C" IN 24 ROAD

N 00°03'02" E 1320.79' (W SEC.32 LINE)

24 ROAD