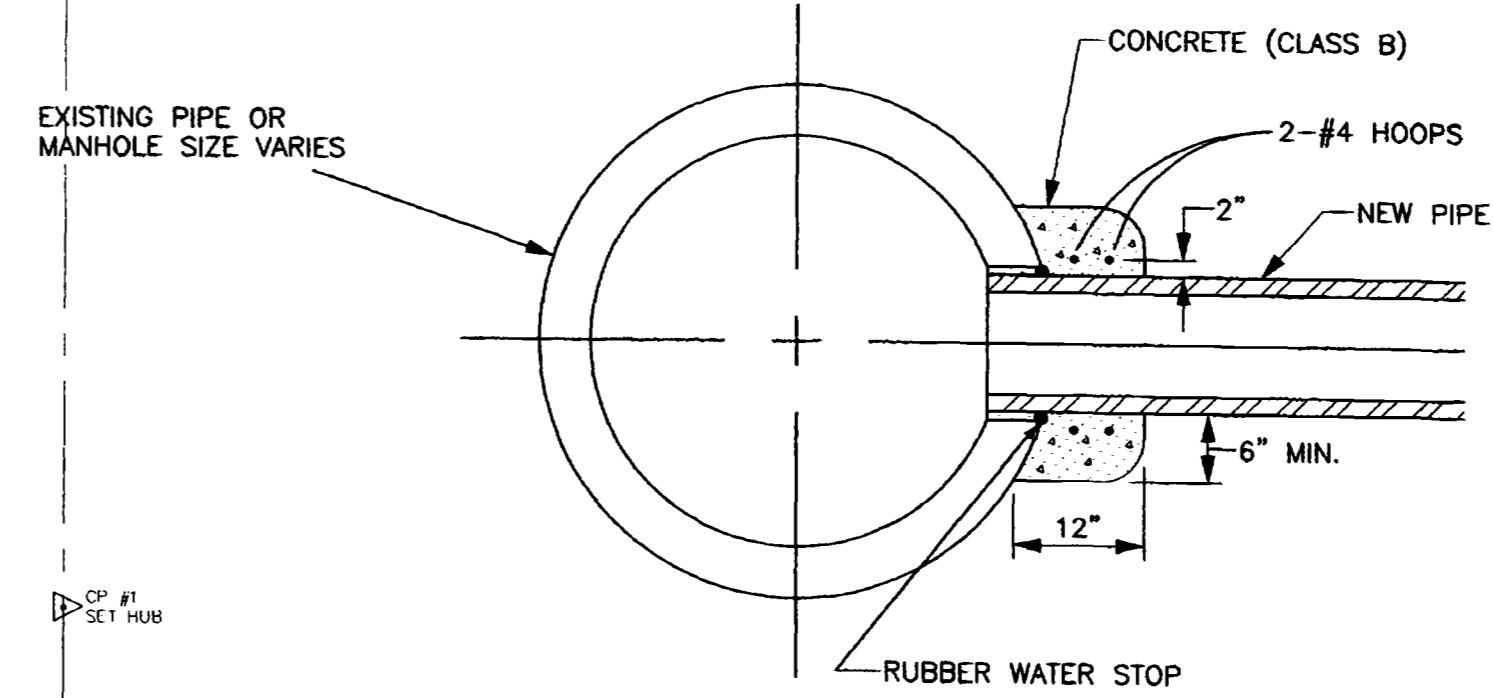


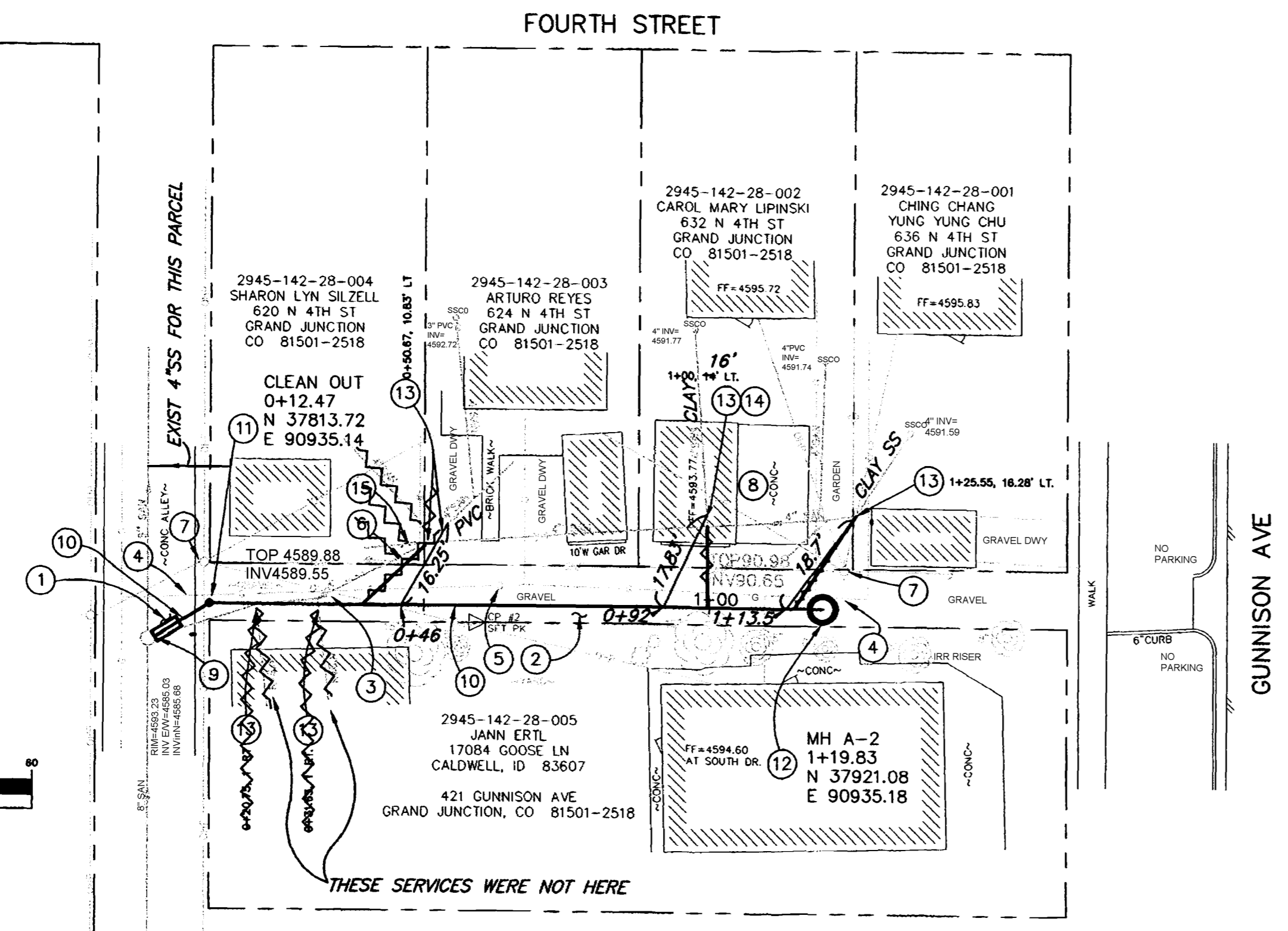
CONSTRUCTION NOTES

- ① 202.00 REMOVAL OF EXISTING CONCRETE ALLEY AS SHOWN. REMOVE TO NEAREST EXISTING JOINT OUTSIDE LIMITS OF SEWER CONSTRUCTION APPROXIMATELY AS SHOWN.
- 304.00 AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 608.00 8" PORTLAND CEMENT CONCRETE ALLEY. REPLACE ALLEY IN KIND.
- ② 304.00 AGGREGATE BASE COURSE (CLASS 6) (4" THICK) RESTORE GRAVEL DRIVE TO THE LIMITS SHOWN.
- ③ REMOVE EXISTING 4" SEWER MAIN AS ENCOUNTERED. PLUG REMAINING ENDS WITH CONCRETE TO ABANDON PIPE LEFT. (NO SEPARATE PAY)
- ④ RESET GAS LINE AS NEEDED TO CONSTRUCT NEW SANITARY SEWER MANHOLES. BY OTHERS. WORK SHALL BE SCHEDULED AS NEEDED IN ADVANCE. CITY WILL NOT PAY FOR WORK STOPPAGE DUE TO SCHEDULING PROBLEMS.
- ⑤ CONTRACTOR SHALL NOTIFY X CEL ENERGY 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE GAS LINES.
- ⑥ 210.00 CONTRACTOR SHALL RESET EXISTING FENCE AS NEEDED TO CONSTRUCT SEWER SERVICE.
- ⑦ CONTRACTOR SHALL PROTECT EXISTING UTILITY POLE AND GUY ANCHOR IN PLACE. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- ⑧ CONTRACTOR SHALL PROTECT EXISTING CONCRETE PAD IN PLACE. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- ⑨ 210.00 CONNECT PROPOSED 6" PVC SEWER LINE TO EXISTING MANHOLE. CONTRACTOR SHALL REMOVE EXISTING 4" LINE FROM MANHOLE, CORE MANHOLE AS NEEDED, INSTALL NEW 6" PVC SEWER INTO EXISTING MANHOLE, AND GROUT ANNULAR SPACE TO PROVIDE A LEAKPROOF SEAL. NEW INLET SHALL BE FITTED WITH A PSX GASKET. ALL WORK SHALL BE PAID FOR UNDER BID ITEM - "CONNECT PROPOSED 6" PVC SEWER TO EXISTING MANHOLE" (SEE CITY OF GRAND JUNCTION STANDARD DETAILS SS-02 AND "CONNECTION TO EXISTING MANHOLE DETAIL" THIS SHEET)
- 102.11 CLAY CUT OFF WALL SHALL BE PLACED 10' UPSTREAM (NORTH ONLY) OF EXISTING MANHOLE. 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.
- ⑩ 102.90 6" PVC PIPE, SDR-35, BACKFILL TRENCH WITH NATIVE MATERIAL MEETING CITY SPECIFICATION 103.16. ALL NEW SEWER LINES MUST BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CITY OF GRAND JUNCTION AND APPROVED BEFORE BACKFILLING AND RESURFACING.
- ⑪ 102.11 6" CLEAN OUT.
- ⑫ 102.11 48" DIA. SANITARY SEWER MANHOLE. MANHOLE SHALL HAVE A PRECAST BASE WITH A DEAD END INVERT. THE OUTLET OF THE MANHOLE SHALL BE FITTED WITH A PSX GASKET (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02)
- ⑬ 102.90 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. SERVICE LINES SHALL BE EXTENDED TO THE EXISTING SERVICE AT 1/4" PER FOOT SLOPE MIN. AND CONNECTED TO THE EXISTING SERVICE AS SHOWN WITH MISSION COUPLINGS.
- ⑭ 202.00 SAWCUT AND REMOVE EXISTING CONCRETE FLOOR AS NEEDED TO CONNECT EXISTING SEWER SERVICE TO NEW MAIN.
- 304.00 AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 608.00 6" PORTLAND CEMENT CONCRETE. REPLACE CONCRETE GARAGE FLOOR REMOVED.
- ⑮ 202.00 STRIP SOD AS NEEDED TO CONSTRUCT NEW SEWER LINE.
- 207.00 FILL AREA WITH GOOD TOPSOIL. GRADE AND COMPACT TOP SOIL FROM THE FENCE TO THE TRENCH EDGE.
- 212.00 REPLACE SOD (GRADING AND COMPACTION SHALL BE INCIDENTAL TO THE WORK FOR REPLACING SOD)



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.

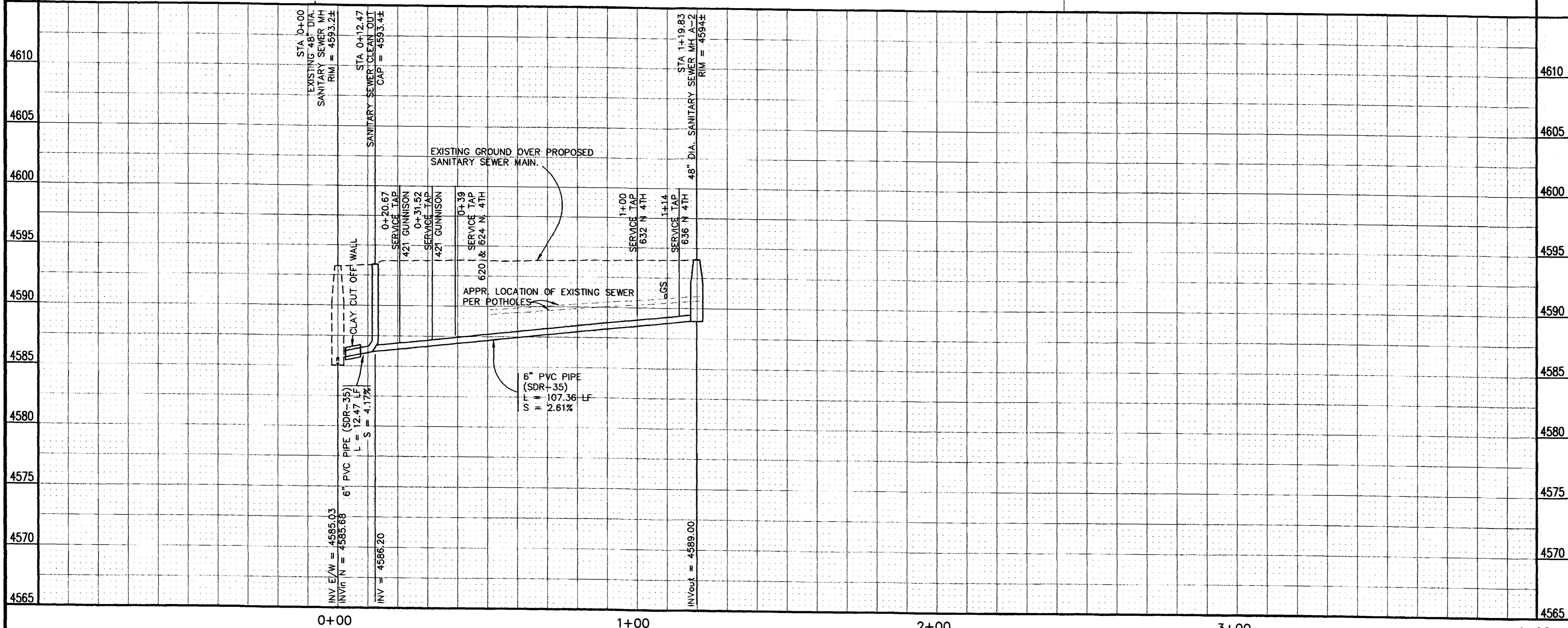
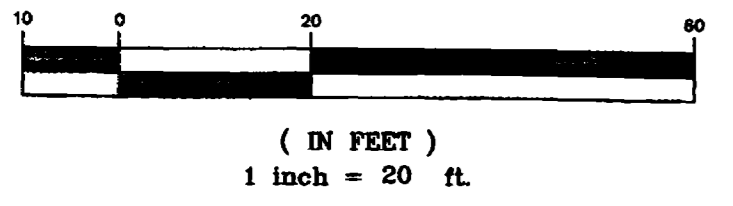
**CONNECTION TO EXISTING MANHOLE**



**CONTROL**  
 CITY PNT NO. 42  
 N 37648.085  
 E 90778.076  
 EL 4590.170  
 CSM 4TH/CHIPETA

CITY PNT NO 43  
 N 38044.012  
 E 90778.221  
 CSM 4TH/GUNN GIS

GRAPHIC SCALE



REVISION $\Delta$ ASBUILT	DATE - APRIL 2003	DRAWN BY JCS	DATE 2002
REVISION $\Delta$		DESIGNED BY JCS/SBG	DATE 2002
REVISION $\Delta$		CHECKED BY SBG	DATE 2002
REVISION $\Delta$		APPROVED BY	DATE

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

**SEWER LINE REPLACEMENT**  
**IN ALLEY JUST SOUTH OF GUNNISON AND**  
**JUST EAST OF 4TH STREET**