

APPROVED FOR CONSTRUCTION FOR ONE YEAR FROM DATE

ACCEPTED AS CONSTRUCTED

CITY OF GRAND JUNCTION

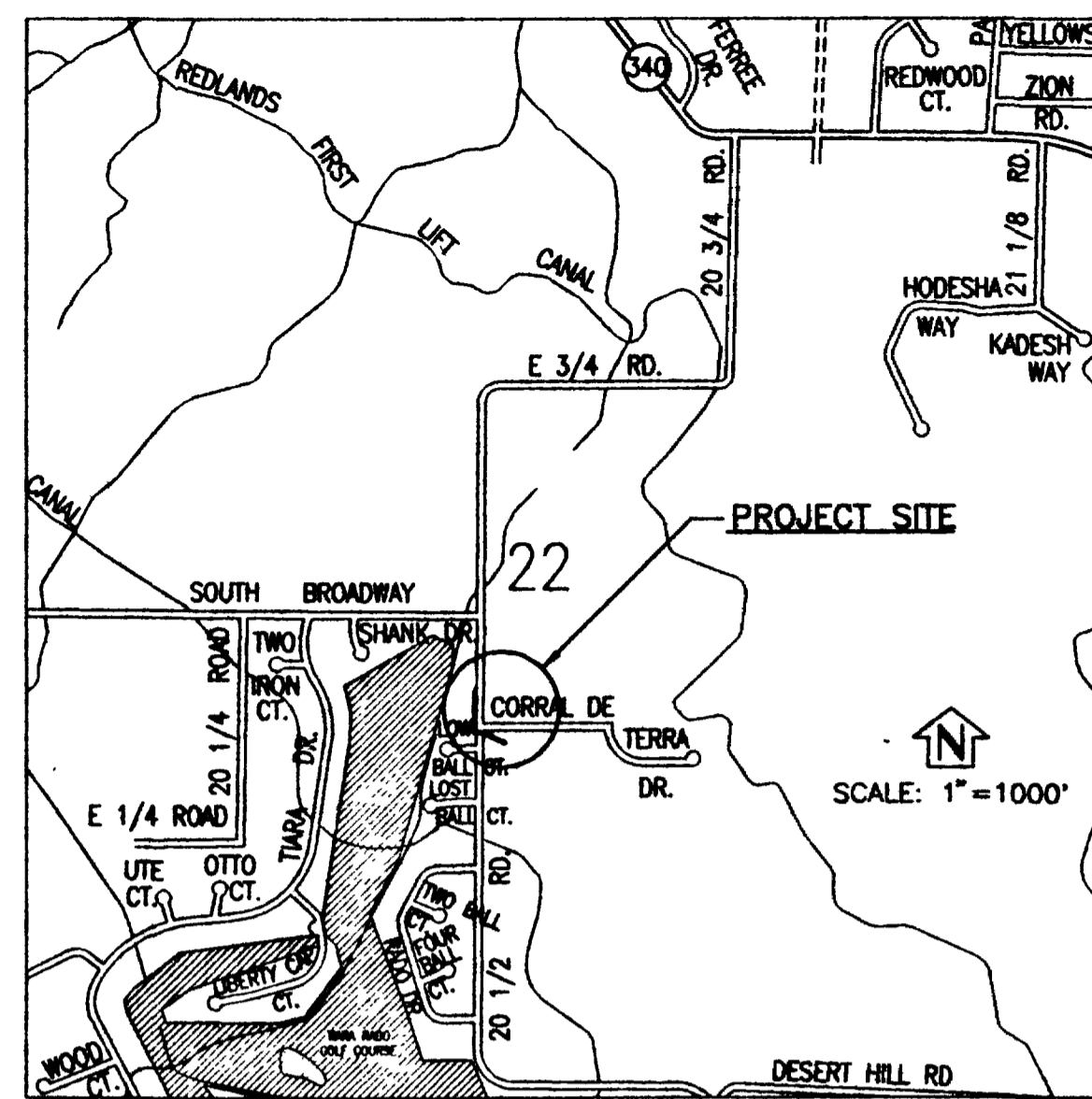
DATE

CITY OF GRAND JUNCTION

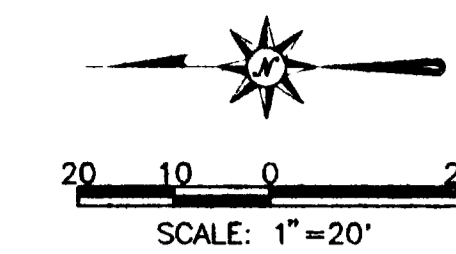
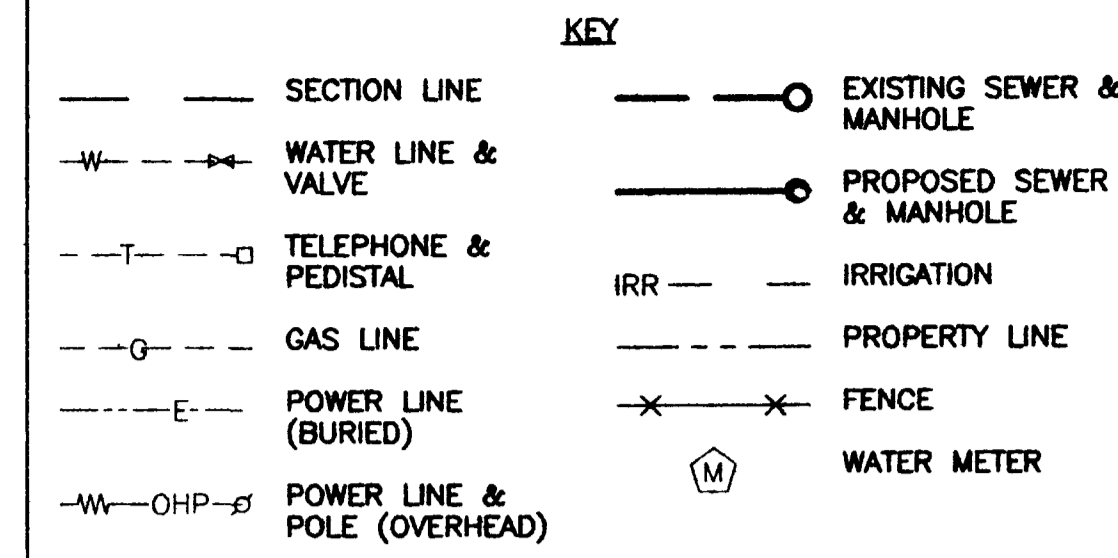
DATE

CONSTRUCTION NOTES:

- THE CONTRACTOR WILL REMOVE THE EXISTING STUB INTO EXISTING MH A. THE TIE-IN TO THE EXISTING MANHOLE WILL BE ACCOMPLISHED SO AS TO PROVIDE A WATERTIGHT SEAL BETWEEN THE NEW PIPE AND THE MANHOLE. IF THERE IS NOT AN EXISTING PSX GASKET WHICH CAN BE UTILIZED, THE CONTRACTOR WILL JACKHAMMER AROUND AND REMOVE THE EXISTING STUB INTO THE MANHOLE TO PROVIDE ROOM FOR THE NEW PIPE AND ONE WRAP OF RUB'R-NEK FLEXIBLE SEALANT AROUND THE PIPE, HELD IN PLACE WITH A STAINLESS STEEL STRAP, AS A WATERSTOP. AFTER THE NEW PIPE AND WATERSTOP ARE IN PLACE, A MINIMUM OF ONE-HALF YARD OF 3000 PSI MIX CONCRETE WILL BE POURED AROUND THE NEW PIPE AND WATERSTOP ON THE EXTERIOR OF THE MANHOLE. THE INTERIOR OF THE MANHOLE WILL BE GROUTED TO PROVIDE A SMOOTH STEEL TROWEL FINISH AROUND THE NEW PIPE AND THROUGH THE INVERT OF THE EXISTING MANHOLE. THE INVERT WILL BE GROUTED TO PROVIDE POSITIVE FLOW THROUGH THE MANHOLE. (SEE SCHUMACHER SEWER EXTENSION PLANS)
- THE INVERT-IN FROM THE SOUTH ON NEW MH B WILL BE LEFT UNGROUTED. A PVC PLUG WILL BE SECURED IN THE PSX GASKET WHICH CAN BE REMOVED FOR FUTURE TIE-IN. THE INVERT-OUT OF NEW MH B WILL BE GROUTED TO PROVIDE POSITIVE FLOW THROUGH THE MANHOLE.
- NEW MH B WILL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARDS FOR NEW MANHOLE CONSTRUCTION AS SHOWN ON DETAIL SHEET 2.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION OF THE NEW SEWER EXTENSION. ANY PROPERLY LOCATED UTILITY PER COLORADO STATUTE WHICH IS DAMAGED BY THE CONTRACTOR WILL BE REPAIRED AT NO COST TO THE OWNER.
- EXISTING LANDSCAPING AND IRRIGATION SYSTEMS WILL BE RESTORED TO ORIGINAL CONDITION IF DISTURBED BY CONSTRUCTION OF THE NEW SEWER EXTENSION.
- THE CONTRACTOR SHALL EXHIBIT CARE WHEN STRIPPING SOIL FROM THE EXISTING BURIED POWER LINE FOR CONSTRUCTION OF THE NEW SEWER EXTENSION. THE POWER LINE SHALL BE PROPERLY BEDDED WITH NATIVE MATERIAL FREE OF ROCK LARGER THAN 3/4" WHEN BACKFILLING THE EXCAVATION.

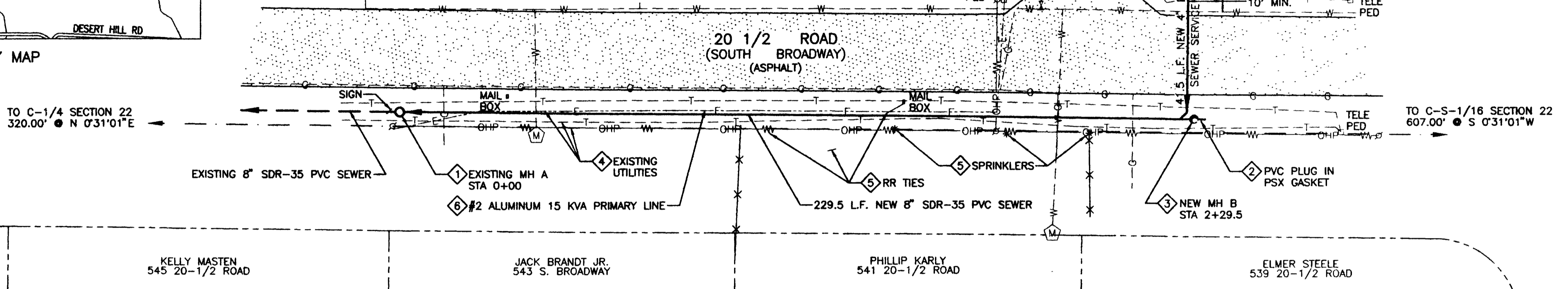


VICINITY MAP



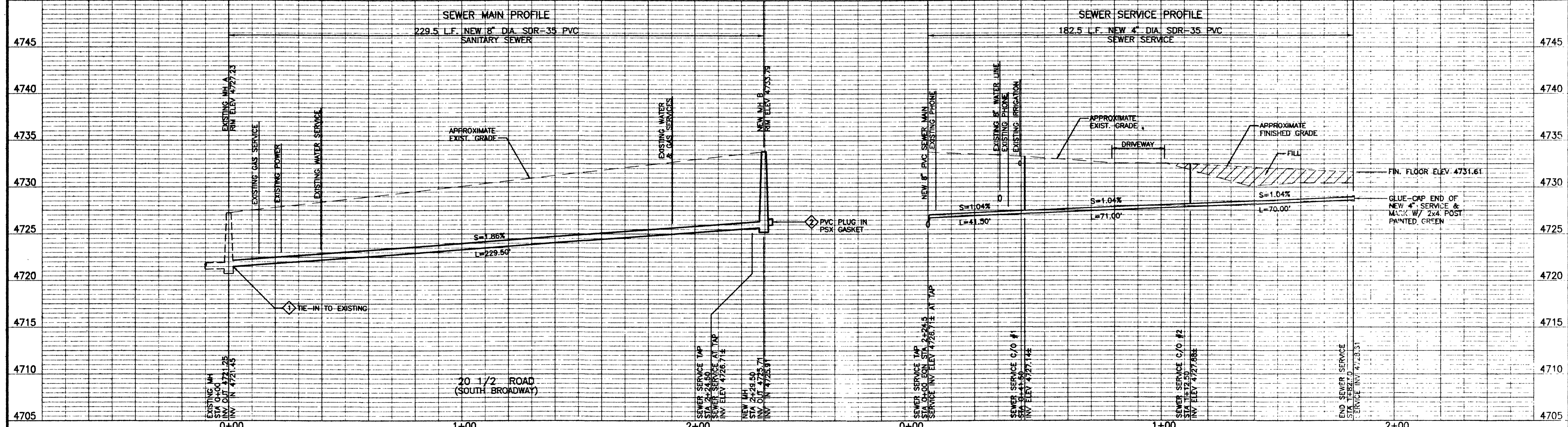
FUTURE BUILDING (FF ELEV. = 4731.61')

GLUE-CAP END OF NEW 4" SERVICE & MARK W/ 2x4 POST PAINTED GREEN STA 1+82.5±



SEWER MAIN PROFILE

SEWER SERVICE PROFILE



GENERAL NOTES

- All sewerline construction shall conform to the City of Grand Junction Sanitation Standards and Specifications.
- All materials and workmanship shall be subject to inspection by the City. The City reserves the right to accept or reject any materials and workmanship that does not conform to its standards and specifications.
- The Contractor shall have one signed copy of the Plans and a copy of the City Standards and Specifications at the job site at all times.
- All sanitary sewer pipe shall be PVC SDR-35 unless otherwise specified. All pipe joints shall be 13 foot joints unless otherwise approved by the City Engineer.
- 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.
- All trenches shall be compacted to 95% as determined by MASHTO T-99. Contractor shall be required to perform all necessary compaction tests through a certified soils lab.
- A minimum 10-foot separation shall be maintained at all times between waterlines and sewer lines (except at specified crossings).
- All sanitary sewer services to be 4" PVC SDR 35 unless otherwise specified.
- All work shall be in compliance with the Mesa County Utility Permit.
- The Contractor shall notify the City and Mesa County at least 48 hours prior to commencement of construction.
- Manholes shall be constructed as shown on the City of Grand Junction's Standard Sanitary Sewer Detail sheet.
- No service lines shall be connected directly into manholes.
- The Contractor is responsible for all required sewer line testing to be completed in the presence of the City Engineer or their representative. Final testing is to be accomplished only after all other infrastructure has been installed. This includes waterlines, 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 performed by the City Engineer upon issuance of the sewer line extension.

SCALE: HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'

| REVISIONS | DATE |
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**WestWater Engineering**  
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Grand Junction, CO 81505  
(970) 241-7076

**HANSOW SEWER EXTENSION**  
MESA COUNTY, COLORADO  
SEWER MAIN EXTENSION AND  
SEWER SERVICE PLAN AND PROFILE

Drawn by: [ ] Date: [ ]  
Checked by: [ ] Date: [ ]  
Project No.: 02102501