

- Contactor shall have one signed copy of plans and a copy of the City of Grand Junction's Standard specifications at the job at all times.
 All sewer mains shall be PVC SDR 35 (ASTM 3034) unless otherwise noted.
 All sewer lines 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.
- 6. The contractor shall notify the City inspector 48 hours prior to commencement of construction.
- 7. The Contractor is responsible for all required sewer line testing to be completed in the presence of the City Inspector. Pressure testing will be
- completed in the presence of the City Inspector. Pressure 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. These tests shall be the basis for acceptance of the sewer line extension.

 8. The Contractor shall obtain City of Grand Junction Street Cut Permit for all work within existing City right—of—way prior to construction.

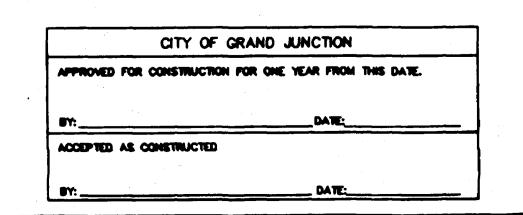
 9. A clay cut—off wall shall be placed 10' upstream from all new manholes unless otherwise noted. The cut—off wal shall extend from 6" below to 6" above the graular backfill material and shall be 2' wide. If native material is not suitable, the contractor shall import material approved by the engineer
- the contractor shall import material approved by the engineer.

 10. Sewer stubs shall be capped and plugged. As—built surveying of stub—out required prior to backfilling. Stub—out shall be identified with a steel fence post
- 11. Existing landscaping and irrigation systems will be restored to original condition if disturbed by construction of the new sewer extension.
- 12. 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.

 13. Benchmark — PK nail along west side of pavernent at new manhole — elev=4750.59
 PK nail at southwest corner of S. Broadway & 20 1/4 Rd.— elev=4747.75

SOUTH BROADWAY TELEPHONE & 2" UTE WATER ON EDGE OF PAVING APPROXIMATE LOCATION OF SERVICE LINE FROM SOUTH **BROADWAY** APPROXIMATE LOCATION
OF RIGHT-OF-WAY APPROXIMATE LOCATION OF RIGHT-OF-WAY 18 LF 4"
SDR 35 PVC / with a stainless steel strap as a water stop. After the new pipe and waterstop are in place, a minimum of 1/2 yard of 3000 pei 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 trawel 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. 5.0/ 4" PVC -8"X 4" SERVICE WYE TIE TO EXISTING HOUSE SERVICE/ TWO 3/4" BLACK /PLASTIC PIPE EXISTING 20' UTILITY ESMT O'Toole Residence EX. WIRE FENCE -0+99.92 ---PUMP ----OF LANE -16.80'-PAVING PROP 4' MH 'A1'
INV IN (S)=4743.20
INV OUT (E)=4743.00
N 10191.39 'ELECTRIC PROPERTY LINE TIE TO EX. MH TRANSFORMER SPLIT TREE
ON FENCE LINE W N=47424 N 10191.59 SEE PROFILE The invert—in from the south on new manhole 'A1' will be left ungrouted. A PVC plug will be secured in the Kor—n—seal gasket so it can be removed for future tie—in. The invert—out will be grouted to provide positive flow through the manhole. E 5257.09 SEE CITY PLAN 08-272 _ CL OF PAVING
___EDGE OF PAVING -EXISTING GROUND 4750 4748 EXISTING **TAPPROXIMENTLY** STATION C+89 100.20 UF 8 PVC SDR 15 4 0.00

RECORD DRAWING



4742.60 --4742.40 4742.42

0+00 4747.40 4747.08

0+00

INVERT OUT

STATION

HORIZONTAL SCALE= 1"= 20" VERTICAL SCALE= 1"= 2"

4743.40 SOUTH INVERT IN

-4745.00 4743.26 INVERT OUT

0+99.92 STATION 4750.75 RIM

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	DATE:	NO:	REVISIONS:				By:
	8/22/97	1	REVISE	AS PER	CITY COM	MENTS	JPC
	8/29/97	2	REVISE	AS PER	CITY COM	DIR.	joo
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	SEWER PLAN & PROFILE						
	O'TOOLE SEWER EXTENTION						
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	LANDOSIGN ENGINEERS • SURVEYORS • PLANNERS						

REGISTERED PROFESSIONAL ENGINEER PROJECT NO. 97096 | DRAWN , CHK'D APP'D SHEET OF

DATE: AUGUST, 1997 jpc/jps

P.E. NO. 19346

259 GRAND AVENUE GRAND JUNCTION, COLORADO 81501 (970) 246-4009