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NOTE: CONTACT CITY TRAFFIC OPERATIONS SUPERVISOR, 970/244–1573, PRIOR TO ANY SIGN MATERIAL ORDER OR INSTALLATION	44' ROW SIGN (OM4-2) END OF	TYPE ROAD MARKERS	MATERIAL FACING HIGH INTENSITY	QUANTITY 3
4660	MARCK STREET STA = 0+00 LEV = 4649.45	SOUTH ER STA = 0+. ER ELEV = 4649.70 NORTH ER STA = 0	<u>667</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u> <u>81787</u>	
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ND. City of Grand Junction Engineering Division Representative Date ACCEPTED AS CONSTRUCTED		P. G a orks
City of Grand Junction Engineering Division Representative Date	1	DRD COF SURVEY TE B210 COLORAD( -6067 -2845 :om
	4660 4655	THOMPSON-LANGF vGINEERS AND LAND 529 25 1/2 RD., SU GRAND JUNCTION, PH. (970) 241 FAX (970) 241 tlc@tlcwest.c
	4650	WN BY: IRH WM WM
	4640	DRA DOTADO
	4635	37343 B
	4630	DATE: April 23, 2003 SCALE:
	4625	Horiz: 1" = 50' Vert: 1" = 5' Project No: 0543-001
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	Acceptance of these plans does not relieve the developer, contractor, or the engineer from conformance with the City of Grand Junction Standard Specifications.	)RD SUF SUF B2 COLO COLO -606' -284
		NGF( LAND D., SU 0N, 243- 241- 241- est.c
	City of Grand Junction Engineering Division Representative Date	-LA -LA 1ND 1/2 RI NCTI 970) 970)
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	City of Grand Junction Engineering Division Representative	HOMH 52 52 F F
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	4650	Street in the State
		( <sup>7</sup> 37343 <sup>m</sup> )
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		DATE:
	1640	April 23, 2003
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		Project No:
1.00	4635	0543-001 SHEET NO:
FUU		7 OF 12



PARCEL ID E 2943-66-02-002 PORD'S ORCHARD SUBURISON RSF-4	ROLECT BENCHMARK: MERSECTION OF D 1/2 AND 31 ROADS MESSA CNITY BRASS CAP NE CORNER OF 1 S3800.17 S115844.98 LEV 4643.73	MTER       ACCEPTED FOR CONSTRUCTION FOR ONE YEA         OFFINISH       ACCEPTED FOR CONSTRUCTION FOR ONE YEA         OFFINISH       ACCEPTED FOR CONSTRUCTION FOR ONE YEA	TIFICATION LORADO 2-1987 IN ADVANCE OR EXCAVATE MDERGROUND IES. R FROM THIS DATE	DAKOTA WEST SUBDIVISION MANDAN LANE SANITARY SEWER LINE "D"
	City of Grand Junction Engineering Division Representative Date           ACCEPTED AS CONSTRUCTED	INITIAL ACCEPTANCE CENTRAL GRAND VALLEY SANITATION DISTRICT	ORP. GR	EYORS
	City of Grand Junction Engineering Division Representative Date		Date 2	SURVF E B210 COLORA 6067 -2845 om
			4660 SON-LANGFO	<ul> <li>IRS AND LAND</li> <li>25 1/2 RD., SUII</li> <li>9 25 1/2 RD., SUII</li> <li>D JUNCTION, C</li> <li>H. (970) 243-</li> <li>AX (970) 241-</li> <li>AI (970) 241-</li> <li>tlc@tlcwest.cc</li> </ul>
MH-D1 EXISTING GRADE			4655 H	NGINEE 52' GRAN F
649.45 33 (E) TED AS ILING 1 			4650	
PROPOSED 8" WATER LINE -3.2' CLR				
UINE D 143.18LF SLOPE 0.50% SDR 35 PVC SDR 35 PVC 5' MAX LENGTH			4645 X R NW P N R N R N R N R N R N R N R N R N R N	MH CHECKED B) JWM
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MANDAN LANE - LINE D			4630	April 23, 2003 SCALE:
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FRANK F. RUBALCABA REFR     CHENDOLIVY D. SANDIDGE PARCEL E 2943-161-00-067     ROBBLE F. SAN PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-07     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-07     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-07     PARCEL E 2943-161-00-067     PARCEL E 2943-161-00-067       PARCEL E 2943-161-00-07     PARCEL E 2943-161-00-067     PARCEL E 2943-161-07       PARCEL E 2943-161-00-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PARCEL E 2943-161-00-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PARCEL E 2943-161-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PARCEL E 2943-161-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PARCEL E 2943-161-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PARCEL E 2943-161-07     PARCEL E 2943-161-07     PARCEL E 2943-161-07       PAR	MH-E3 N=37311.47 E=115529.18 STA 2+44.85 DOHN MOORE RMF-5 PARCEL £ 2943.161 4645 LOT 6 LOT 5	<text><text><text></text></text></text>	<text><text><text><text></text></text></text></text>	All     All     Description     Bare     Description     By     CHD       R WEST, LLC     CITY OF GRAND JUNCTION     Revision     Description     By     CHD       DAKOTA WEST     SUBDIVISION     E     Description     E     Description     By       VASHBURN     STREET     SANITARY     SEWER     E     Description     E     E       LINE     "E"     "E"     E     E     E     E     E
	City of Grand Junction Engineering Division Representative ACCEPTED AS CONSTRUCTED	Date INITIAL ACCEP CENTRAL GRAND VALLE	Date PTANCE TY SANITATION DISTRICT	CORP. G 8 RVEYORS 210 DRADO 37 45
	City of Grand Junction Engineering Division Representative		466	MPSON-LANGFORD EERS AND LANGFORD 529 25 1/2 RD., SUITE B AND JUNCTION, COLO PH. (970) 243-606 FAX (970) 241-284 tlc@tlcwest.com
E1 50 59 44 55 MH-C2/MH-E2 5TA 0+00 RIM 4646.10 INVERT IN 4639.97 (N)			465	C C C C C C C C C C C C C C C C C C C
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LINE E 1.3' LINE E 244.65LF SLOPE 0.50% 8in. SDR 35 PV 114.50LF SLOPE 0.50% 8in. SDR 35 PVC ENCASE SEWER IN CONCRETE 10' EITHER 5 SIDE OF WATER LINE 5	5' MAX LENGTH		464	0 5 5 5 5 5 5 5 5 5 5 5 5 5
WASHBURN STREET - LINE E			463	DATE: April 23, 2003 SCALE: Horiz: 1" = 50' Vert: 1" = 5'
1+00 0+00 1+00 2+00	3+00		462	Project No: 5 0543-001 SHEET NO: 9 OF 12

970-60











![](_page_5_Figure_1.jpeg)

![](_page_6_Figure_0.jpeg)

and compacted to 95% AASHTO T-99.

<b>WestWater</b> Engineering	CENTRAL GRAND VALLEY SANITATION DISTRICT			٢	
2516 Foresight Circle, #1	S	ANITARY	SEWER	DETAIL	S
(970) 241–7076	Design by:	Drafted by: 	Date: <u>6/26/02</u>	Project No. <u>545-001</u>	Sheet <u>12</u> of <u>12</u>

NOTE: SEWER SERVICE STATIONING IS RELATIVE TO SANITARY SEWERLINE STATIONING. SEWER SERVICES ARE TO BE ASBUILT PRIOR TO BACKFILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE ASBUILTS WITH THE ENGINEER PRIOR TO BACKFILLING TRENCHES. M STA 1+33 N=37557 E=115065 \* UTILITY SHOWN ON PROFILE FOR INFO ONLY. CONTRACTOR TO VERIFY ACTUAL LOCATION. SEWERLINES EXTENDING INTO NEXT PHASES ARE TO BE RETESTED AFTER INSTALLATION OF ALL UTILITIES IS COMPLETED ABERDEEN LAN 1 D-1/2 ROAD VICINITY MAP 4660 4655 4650 4645 4640 4635 4630 4625 6+00 5+00 4+00 3+00

HERE HLOCK 3 ENCASE SEWER IN CONCRETE 10' EITHER SIDE OF WATER LINE. SEE PROFILE FOR STATIONING STATUS S	Corporation of the second construction for one track from the barries of the second construction of th		& R WEST, LLC       CITY OF GRAND JUNCTION       REVISION       Description       BPSCRIPTION       BPSCRIP
CONTOUR INTERVAL: 1'	ACCEPTED AS CONSTRUCTED City of Grand Junction Engineering Division Representative Date	INITIAL ACCEPTANCE CENTRAL GRAND VALLEY SANITATION DISTRICT Date	GFORD CORP. AND SURVEYORS , SUITE B210 N, COLORADO 243-6067 241-2845 st.com
		4660	THOMPSON-LAN ENGINEERS AND I 529 25 1/2 RD GRAND JUNCTIC PH. (970) FAX (970) tlc@tlcwe
SS_MH_B2     SS_MH_A3/MH_B1/MH_C1       STA_1+33.22     RiM_4644.25       RIM_4644.25     RIM_4644.25       INVERT_OUT_4639.76     INVERT_IN_4638.38       (A639.75)     INVERT_IN_4638.38       (A639.75)     INVERT_IN_4638.38       (A639.75)     INVERT_OUT_(S)_4638.18       (A639.75)     INVERT_OUT_(S)_4638.18	- EXISTING GRADE 38.39 39.39 39.39 39.39 39.39 39.39 39.39 4640.00 INVERT IN 4639.97 INVERT IN 4639.97 INVERT OUT 4639.77 (W) 4639.80 4639.80	4650	LNU
1.02%         PROP 8" WATER*           SLOPE         1.04% 8in. SDR 35 PVC         0           LINE B         133:221F         0.8'         LINE C	330.731E SLOPE 0.42% de Bin.SDR 35 PVC	4645	CHECKED BY: CHECKED BY: UWM
8 8 - ENCASE SEWER IN CONCRETE 10' EITHE CONCRETE 10' EITHE SIDE OF WATER LINE US	R	4635	DATE
LINE B ABERDEEN LANE	LINE C	4630	March 3, 2003 SCALE: Horiz: 1" = 50' Vert: 1" = 5' Project No:
2+00 1+00 0+00 1	+00 2+00 3+00 4+00	5+00 6+00 4625	0543-001 SHEET NO: 14 OF 17

![](_page_8_Figure_0.jpeg)

VICINITY MAP

## G & R WEST, LLC

2650 El Corona Drive Grand Junction, Co. 81501 PH. (970) 255-8164

FINAL CONSTRUCTION PLANS FOR

# DAKOTA WEST SUBDIVISION (FILING 2) SUBMITTED

### JULY 7, 2003

SHEET	1	OF	12
SHEET	2	OF	12
SHEET	3	OF	12
SHEET	4	OF	12
SHEET	5	OF	12
SHEET	6	OF	12
SHEET	7	OF	12
SHEET	8	OF	12
SHEET	9	OF	12
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SHEET	11	OF	7 12
SHEET	12	2 OF	7 12

THOMPSON-LANGFORD CORP. 529 25 1/2 RD., SUITE B210 GRAND JUNCTION, COLORADO PH. (970) 243-6067

JOB NO. 0543-001

### TITLE

COVER SHEET/LOCATION MAP GENERAL LEGEND AND CONSTRUCTION NOTES UTILITY/COM' ~SITE PLAN GRADING & AINAGE PLAN STORM WATER MANAGEMENT PLAN BISMARCK STREET/MANDAN LANE PLAN AND PROFILE ABERDEEN LANE/WASHBURN STREET PLAN AND PROFILE LINE "D" SANITARY SEWER PLAN & PROFILE LINE "E" SANITARY SEWER PLAN & PROFILE CLIFTON WATER DETAIL SHEET 1 CLIFTON WATER DETAIL SHEET 2 CENTRAL GRAND VALLEY SANITATION DISTRICT DETAILS

reptance of these plans does not relieve the developer, contractor, or engineer from conformance the City of Grand Junction Standard Specifications for Road and Bridge Construction.

Date

Date

VED

ly of Grand Junction Engineering Division Representative ACCEPTED AS CONSTRUCTED

TY OF GRAND JUNCTION ENGINEERING

ty of Grand Junction Engineering Division Representative

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

C

LEGEND

STREET R.O.W. LINE

LOT LINE

EASEMENT LINE

CENTERLINE & STATION MARKERS

CENTERLINE COMMON TRENCH-ELECTRICAL, TELEPHONE, & CABLE T.V.

UNDERGROUND TELEPHONE LINE AND PEDESTAL

EXISTING OVERHEAD UTILITY LINES & POLES

CONDUIT LINE, TRANSFORMER W/SERVICE TO LOT, SWITCH BOX, POLE W/DROP

STREET LIGHT

GAS LINE, 1%" DIAMETER [UNLESS OTHERWISE NOTED]

PROPOSED WATERLINE, TEE & THRUST BLOCK, INLINE VALVE, FIRE HYDRANT, REDUCER, WATER METER, BLOW-OFF

EXISTING WATERLINE, TEE & THRUST BLOCK, INLINE VALVE, FIRE HYDRANT, REDUCER, WATER METER, BLOW-OFF

PROPOSED SANITARY SEWER, MANHOLE, SERVICE CONNECTION, WYE, SPECIAL PIPE & PLUG

EXISTING SANITARY SEWER MANHOLE, SERVICE CONNECTION, WYE, SPECIAL PIPE & PLUG

IRRIGATION LINE, TEE & THRUST BLOCK (pressure lines only), INLINE VALVE, PROPOSED, 9. RISER, AND EXISTING RISER

CURB INLET W/DIRECTION OF FLOW

STORM SEWER, INLET, MANHOLE, OUTFALL (SMALLER THAN 30")

BENCHMARK LOCATION

SHEET REF.

### GENERAL CONSTRUCTION NOTES

- 1. Alignment, centerline curve data, and stationing to be verified from approved subdivision plat before construction.
- Locations of existing utilities shown on these plans are approximate only. Contractor is to contact affected utility for specific locations before digging.
- 3. All satisfactory excess excavation from either utility or street construction shall be spread uniformly across the lots as directed by the Owner or his designated representative. All unsatisfactory or waste material including vegetation, roots, concrete, rocks, or other debris, shall be hauled from the project by the Contractor. No separate pay.
- 4. Contractor shall give 48 hour notice to all authorized inspectors, superintendents, or person in charge of public and private utilities affected by his operations prior to commencement of work. Contractor shall assure himself that all construction permits have been obtained prior to commencement of work. All permits obtainable by the Contractor shall be obtained at the Contractor's expense.
- 5. Contractor shall confine his construction operations to the rights-of-way, easements, and lots, as shown on Plans and Plat. Any damage to private facilities outside these limits shall be repaired by the Contractor at no expense to the Owner.
- 6. All road construction, and related work, all materials, performance and quality of work, shall conform to the requirements of the City of Grand Junction Standards and Specifications.
- 7. All utility installations are to be performed in accordance with the technical specifications of the City of Grand Junction. All water and sewer lines must be tested and approved prior to street construction. All water lines to be constructed in accordance with the technical specifications of Clifton Water District. All sewer lines to be constructed in accordance with the technical specifications of the Central Grand Valley Sanitation District.
- 3. Contractor shall familiarize himself with the geotechnical testing requirements of the City of Grand Junction and the affected utility districts. Though the owner is paying for the testing, it shall be the responsibility of the Contractor to contact the testing firm 24 hours in advance of the need for testing, and to verify that the appropriate numbers of tests have been taken. The results of the required types of tests and numbers of passing tests shall be furnished to the Engineer for verification before final acceptance by the Owner will be granted. All failing tests shall be brought to the immediate attention of the Engineer and retests shall be performed until passing results are obtained. All utility lines, including service lines failing within Public rights-of-way or Public easements shall be tested.
- Only materials on which a proctor test can be performed and accurate nuclear density tests can be run are approved for utility trench backfill unless otherwise approved by the Engineer.

### STORM SEWER CONSTRUCTION NOTES

- All storm sewer line construction shall be in accordance with the City of Grand Junction Standards and Specifications.
- All Reinforced Concrete storm sewer pipe shall conform to ASTM Standard Specifications, C-76, Class III unless otherwise noted.
- 3. All polyvinyl chloride (PVC) pipe and fittings shall conform to ASTM Standard Specifications, D3034 and F679, SDR-35 unless otherwise noted.
- All High Density Polyethylene (HDPE) pipe and fittings to conform to the following:
- 12 inch to 36 inch shall meet ASSHTO M294, 42 inch to 48 inch shall meet ASSHTO MP6.

### SANITARY SEWER CONSTRUCTION NOTES

- I. All sewer line construction shall conform to the Central Grand Valley Sanitation District Standards and Specifications.
- All materials and workmanship shall conform to the Standards and Specifications of the Central Grand Valley Sanitation District. The Central Grand Valley Sanitation District reserves the right to accept or reject any materials and or workmanship that does not conform to its Standards and Specifications.
- 3. The Contractor shall have one signed copy of the Plans and a copy of the Central Grand Valley Sanitation District Standards and Specifications at the job site at all times.
- 4. 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 Project Engineer.
- 5. All sewer mains to be laid to grade utilizing a "pipe laser".
- 6. All sanitary sewer services to be 4 inch PVC SDR-35 unless otherwise specified.
- Cleanouts are required at IOO foot intervals on all lines greater than IOO feet in length.
- 8. All service line connections to the new main shall be accomplished with full body wyes or tees. Tapping saddles will not be allowed.
- 9. A minimum of 10 feet of horizontal separation shall be maintained at all times between the waterline and sewer line except at specified crossings.
- 10. Where sanitary sewers cross under waterline with less than 18 inches of vertical separation, and in all cases where the sanitary sewer crosses over the waterline at any depth, provide total Concrete Encasement of pipe for a length of 10 feet either side of waterline. See the Central Grand Valley Sanitation District Details. Include cost of waterline crossing (Total concrete pipe encasement, pipe, and approved backfill), in unit price bid per lineal foot of sanitary sewer in appropriate sizes.
- II. Sewer service stub-outs shall extend 14 feet beyond the property line or through front lot easements, whichever is greater, and shall be glue capped and marked with a steel fence post painted green and buried so that 3 feet remains above grade. As-built surveying for vertical grade of stub-out required PRIOR to backfill.
- 12. No service line shall be connected directly into a manhole.
- 13 The Contractor is responsible for all required sewer line testing to be completed in accordance with the Central Grand Valley Sanitation District Standards and Specifications. Final testing 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 the basis for issuing initial Acceptance of the sewer line extension.
- 14. Manholes shall be constructed as shown on the Central Grand Valley Sanitation District Standard Sanitary Sewer Detail sheet.
- Water stop gaskets and clamp assemblies are to be furnished and installed at all connections to manholes.
- 16. Metal grade rings are NOT to be used on top of manhole rings to adjust to finish pavement elevation. All adjustments to finish grade on new manholes shall be made using concrete grade rings and grout beneath the cast iron ring as shown on the Standard Sanitary Sewer Detail sheet.
- 17. All trenches shall be compacted to 95% within 2% of optimum moisture content, as determined by AASHTO T-99. Contractor shall be required to perform all necessary compaction tests through a certified soils lab. A copy of the compaction test results shall be provided to the District during the course of the project.
- 18. Only materials on which a proctor test can be performed and accurate nuclear density tests can be run are approved for sewer line trench back fill unless otherwise approved by the Engineer.
- 19. To inhibit the movement of groundwater through sewer bedding and haunching moterial, clay cutoff walls of native material are to be constructed approximately 10 feet upstream from each manhole as shown on sanitary sewer plan and profiles. The cut-off wall shall extend from 6 inches below to 6 inches above granular back fill material and shall be 2 feet wide. If native material is not suitable, the Contractor shall import material approved by the Engineer.
- 20. The invert channel of the dead-end manhole on the West end of Mandan Lane (MH-D3) should be a minimum 3/4 of the length through the manhole to facilitate testing and to provide access for the District's cleaning and maintenance equipment.
- 21. The Contractor should notify the District at least 48 hrs. prior to commencement of construction.
- 22. All sanitary sewer notes apply to all sheets pertaining to the sanitary sewer line.
- 23. Red Line As-built Drawings shall be submitted to the City Utility Engineer at least 72 hours PRIOR to paving for review.
- 24. The Contractor shall obtain a City of Grand Junction Street Cut Permit for all work within existing City Right-of-way.

ACCEPTED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE.	ACCEPTED FOR CONSTRUCTION FOR ONE Y	EAR FRO
Acceptance of these plans does not relieve the developer, contractor, or the engineer from conformance with the City of Grand Junction Standard Specifications.	CENTRAL GRAND VALLEY SANITATION DISTRICT	2
City of Grand Junction Engineering Division Representative Date Date		Date
ACCEPTED AS CONSTRUCTED	INITIAL ACCEPTANCE CENTRAL GRAND VALLEY SANITATION DISTRICT	
City of Grand Junction Engineering Division Representative Date		Date

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