

Unit cost bid for each item specified to include all labor, materials, equipment, tools, and other incidentals necessary to provide a complete and operable system. Items not specifically listed in this bid schedule shall be considered incidental to the Work and the CONTRACTOR shall include all such costs in the unit price items bid.

Quantities shown are approximate. CONTRACTOR is responsible to verify estimated quantities and adjust the unit price bid as deemed appropriate. CONTRACTOR will be paid for actual quantities installed as measured in the field.

The Total Base Bid shall include all quantities for the project.

ITEM NO.	DESCRIPTION	UNITS	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT BID
	BASE BID				
1	Mobilization/Demobilization and Insurance	LS	1		
2	Construction Traffic Control	LS	1		
3	Point Repair – 8-Inch	EA	3		
4	Open Trench Pipe Replacement – 8-Inch	LF	850		
5	Boring – Steel Casing and 8-Inch Sewer Carrier Pipe	LF	50		
6	Pipe Bursting – 8-Inch	LF	35,000		
7	Cured-in-Place Pipe – 8-Inch	LF	8,000		
8	Aerial Crossing Replacement – 8-Inch	LF	60		
9	Concrete Encasement of Sanitary Sewer	LF	100		
10	Remove Existing Manhole	EA	2		
11	Construct 4-Foot ID Manhole to 6-Foot Depth	EA	5		
12	Additional Depth Manhole Wall Greater Than 6-Foot	VF	25		
13	Abandon Existing Manhole	EA	4		
14	Plug Existing Sewer – 8-Inch	EA	5		
15	Abandon Sanitary Sewer by Grout Fill	CY	10		
16	Bypass Pumping	LS	1		
17	Existing Service Reconnection	EA	570		
18	Extend Service Line Past Easement	LF	200		
19	Internal CIPP Service Reconnection	EA	30		
20	Curb and Gutter Removal and Replacement	LF	90		
21	Sidewalk Removal and Replacement	SY	40		
22	Pavement Removal and Replacement	SY	240		
23	Landscaping and Sprinkler Repair Allowance	LS	1	\$20,000	\$20,000
24	Site Restoration	LS	1		

exceeds 20 feet in length, the additional footage will be paid at the unit price established for Bid Item 6, Open Trench Pipe Replacement.

4. OPEN TRENCH PIPE REPLACEMENT – 8-INCH (LINEAR FOOT): Open Trench Pipe Replacement shall include furnishing all labor, equipment, and materials necessary to install the sewer line of the size called for in the plans. This item includes pipe, fittings, excavation, pipe bedding and backfill, compaction, and testing for a complete and workable installation.
5. BORING – STEEL CASING AND 8-INCH SEWER CARRIER PIPE (LINEAR FOOT): This item shall include furnishing all labor, equipment, and materials necessary to install bore a steel casing sufficient for the installation of an 8-inch sanitary sewer line with restrained joints where called for in the plans. This item includes bore, steel casing, sanitary sewer carrier pipe, stainless steel casing spacers, casing foam plugs, excavation for bore pits, and testing for a complete and workable installation.
6. PIPE BURSTING – 8-INCH (LINEAR FOOT): Pipe-bursting shall include furnishing all labor, equipment, and materials necessary to replace the existing sewer line utilizing pipe-bursting methods. This unit price bid shall include internal television inspection (full length) of the sewer segment, removal of external and internal line obstructions, cost of pipe, pipe welding, pipe handling and insertion, annulus sealing, excavation and backfill of launch pits, connections to or repair of existing or proposed manholes, and all other costs or work associated with installation of this item unless otherwise specifically identified as a Bid Item for payment. Contractor must remove all debris from manholes immediately after pipe is installed.
7. CURED-IN-PLACE PIPE – 8-INCH (LINEAR FOOT): Cured-in-place pipe (CIPP) shall include furnishing all labor, equipment, and materials necessary to rehabilitate the existing sewer line utilizing cured-in-place pipe methods. This unit price shall include internal television inspection (full length) of the sewer segment, removal of external and internal line obstructions, cost of pipe, surface preparation, pipe handling and insertion, connections to or repair of existing connections to proposed manholes, and all other costs or work associated with installation of this item unless otherwise specifically identified as a bid item for payment. Contractor must remove all debris from manholes immediately after pipe is installed.
8. AERIAL CROSSING REPLACEMENT – 8-INCH (LINEAR FOOT): This item shall include removal and disposal of the existing steel casing and sewer pipe and installation of new casing and 8-inch sanitary sewer pipe utilizing the existing piers. This item includes removal, disposal, installation, steel casing, sanitary sewer carrier pipe, stainless steel casing spacers, casing foam plugs or end seals, straps, and testing for a complete and workable installation.
9. CONCRETE ENCASEMENT OF SANITARY SEWER (LINEAR FEET): This unit price pay item shall include furnishing the concrete embedment for the new sanitary sewer line as outlined in the Plans. The unit price shall include forming (as necessary), concrete, and any other associated work necessary for a complete installation.
10. REMOVE EXISTING MANHOLE (EACH): Remove existing manhole shall include furnishing all labor, equipment, and materials necessary to completely remove an existing manhole and base, including disposal of residual debris, plugging of lines where applicable, and all necessary excavation, importation of fill materials, backfill and surface restoration shall be in strict accordance with City of Norman standard specifications and construction drawings, depending on the surface, particularly if paved. Unless specifically identified otherwise, site restoration is included in the cost for this pay item.
11. **CONSTRUCT 4-FOOT ID MANHOLE TO 6-FOOT DEPTH (EACH):** Construct manhole shall include furnishing all labor, equipment, and materials necessary for assembly and installation 4-foot inside

diameter manhole up to six (6) feet deep as measured from the top of the manhole frame and cover to the lowest flowline in the manhole. This item also include excavation, placement and compaction of backfill, furnishing and installing manhole bedding, manhole base, piping connections to manhole, manhole invert, manhole wall, Trumbull composite manhole ring and cover, and any other associated work necessary for a complete and workable installation. for manholes with depths greater than six (6) feet, additional vertical depth of wall will be paid separately.

12. ADDITIONAL DEPTH MANHOLE WALL GREATER THAN 6-FOOT (VERTICAL FOOT): Additional depth manhole wall shall furnishing all labor, equipment, and materials required to construct and place 4-foot inside diameter manhole walls at a depth greater than 6.0 feet as shown in the plans, standard details, and specifications. This item includes additional excavation, additional placement and compaction of backfill, additional manhole wall, and any other associated work for a complete installation. Such payment will be full compensation for furnishing, and installing manhole walls at depths greater than 6.0 feet deep as measured in vertical feet from the manhole invert to the top of ring and cover. Bid item does not include manhole frame and cover, manhole bench and invert or manhole testing; all excluded items are included in unit price bid for preceding bid item. Measurement shall be to the nearest 0.1 feet.
13. ABANDON EXISTING MANHOLE (EACH): Abandon Existing Manhole shall include furnishing all materials, labor, and equipment to abandon an existing manhole in-place, as directed by the OWNER, including disposal of residual debris, plugging of lines where applicable, and all necessary excavation and backfill. Manhole invert and riser sections may remain; remove cone to a depth of at least 3 feet and backfill with sand or graded rock. Unless specifically identified otherwise, surface restoration is included in the cost for Abandon Existing Manhole.
14. PLUG EXISTING SEWER (EACH): Plug Existing Sewer Lines shall include all labor, materials and equipment necessary to plug any existing line(s) to be abandoned as set forth in the Plans and Specifications. Payment shall include all necessary excavation, pipe cutting, form work, disposal of residual debris, backfill, compaction testing, and all other incidental items necessary for complete and satisfactory abandonment. Each line so abandoned shall be noted on the as-built plans to be furnished to the OWNER. If approved by the OWNER, a sewer line to be abandoned may be injected with flowable fill, but said work is not included in this bid item.
15. ABANDON SANITARY SEWER BY GROUT FILL (CUBIC YARDS): This pay item shall include all labor, materials and equipment necessary to grout fill existing lines to be abandoned where specifically called for in the Plans and Specifications, specifically for the sewer installation at Renaissance and Classen. Payment shall include all necessary excavation, pipe cutting, form work, disposal of residual debris, backfill, grout, temporary plugs, and all other incidental items necessary for complete and satisfactory abandonment. Each line so abandoned shall be noted on the as-built plans to be furnished to the OWNER.
16. BYPASS PUMPING (LUMP SUM): Bypass Pumping shall include furnishing all materials, labor, and equipment required to sustain sewer system flow at all times during construction including pump when necessary. Bid item shall include, but not be limited to, pumps, piping, controls, fuel, and all other incidental items necessary for a complete and functional solution. The unit price bid shall include all cost associated with this item unless otherwise specifically identified as a Bid Item for payment.
17. EXISTING SERVICE RECONNECTION (EACH): Existing Service Reconnection shall include all materials, labor, and equipment necessary to locate and externally reconnect each existing service to the new line installed, including but not limited to excavation, reconstruction, all required pipe, saddle, fittings, service line repair, backfill and compaction, for a complete and workable installation. Each service