

City of Camas
Preliminary Project Cost Estimate
Transmission and Booster Station Improvement T-7
NUGA 544 Zone - 24 inch Transmission Main

<u>NO.</u>	<u>ITEM</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1	Mobilization, Cleanup, and Demobilization	LUMP SUM	\$ 150,000	\$ 150,000
2	24-inch D.I. Water Pipe, Including Fittings	19,650 LF	\$ 110	\$ 2,161,500
3	Locate Existing Utilities	LUMP SUM	\$ 20,000	\$ 20,000
4	Erosion Control	LUMP SUM	\$ 20,000	\$ 20,000
5	Additional Pipe Fittings	13,760 LB	\$ 3.50	\$ 48,160
6	Trench Safety Systems	LUMP SUM	\$ 39,300	\$ 39,300
7	24-inch Butterfly Valves	33 EA	\$ 27,500	\$ 907,500
8	Fire Hydrants	50 EA	\$ 4,000	\$ 200,000
9	Gravel Backfill	16,011 TN	\$ 15	\$ 240,167
10	Foundation Gravel	1,801 TN	\$ 35	\$ 63,044
11	Asphalt Concrete Pavement Repair	1,334 TN	\$ 80	\$ 106,741
12	Crushed Surfacing, Top Course	1,225 TN	\$ 25	\$ 30,621
13	Cold Mix Asphalt	901 TN	\$ 150	\$ 135,094
14	Connections to Existing System	2 EA	\$ 1,500	\$ 3,000
15	Traffic Control	LUMP SUM	\$ 40,000	\$ 40,000
Subtotal.....				\$ 4,165,126
Tax rate (8.2%).....				341,540
Subtotal:.....				\$ 4,506,667
Contingency (25%).....				\$ 1,126,333
Total Estimated Construction Cost:.....				\$ 5,633,000
Engineering and Administrative Costs (25%):.....				\$ 1,408,000
Total Estimated Project Cost:.....				\$ 7,041,000

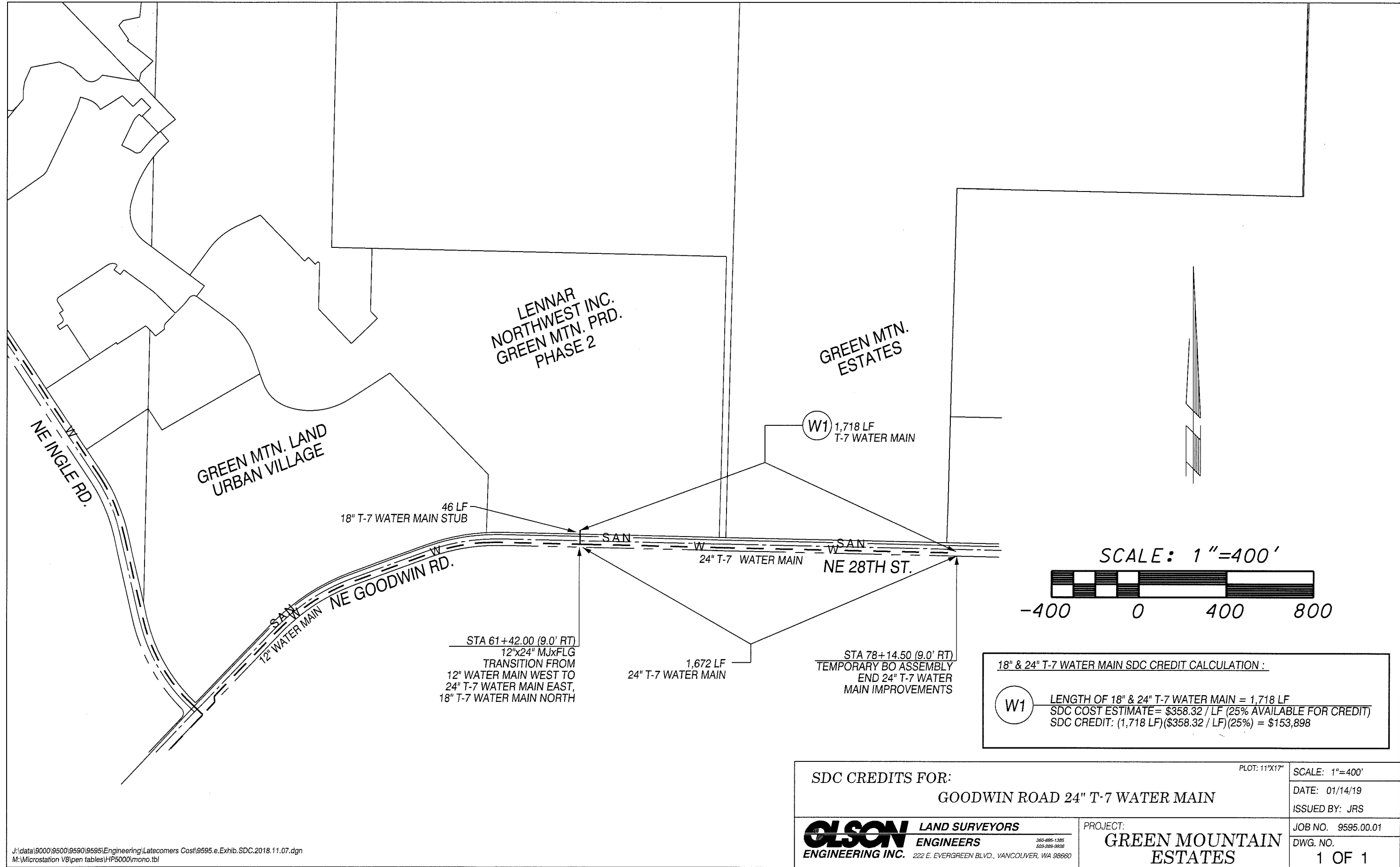
SDC COST ESTIMATE = $\frac{\text{TOTAL ESTIMATED PROJECT COST}}{24\text{-INCH D.I. WATER PIPE}}$

SDC COST ESTIMATE = $\frac{\$ 7,041,000}{19,650 \text{ LF}} = \$ 358.32/\text{LF}$

25% AVAILABLE FOR CREDIT = $.25 (\$ 358.32) = \$ 89.58/\text{LF}$

LENGTH OF WATER MAIN = 1718 LF

SDC CREDIT: $(1718 \text{ LF}) (\$ 89.58/\text{LF}) = \$ 153,898$



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SDC CREDITS FOR:		PLOT: 11"x17"	SCALE: 1"=400'
GOODWIN ROAD 24" T-7 WATER MAIN		DATE: 01/14/19	
		ISSUED BY: JRS	
OLSON ENGINEERING INC. 222 E. EVERGREEN BLVD., VANCOUVER, WA 98660	LAND SURVEYORS ENGINEERS 360-695-1385 503-269-9836	PROJECT:	JOB NO. 9595.00.01
		GREEN MOUNTAIN ESTATES	DWG. NO.
			1 OF 1