

LAKEHAVEN UTILITY DISTRICT  
King County, Washington

**Resolution No. 2006-1062**

A Resolution of the Board of Commissioners of the Lakehaven Utility District, King County, Washington, approving a charge in lieu of extension for connection of certain property to the sewer system.

**WHEREAS**, the District is authorized to establish connection charges that serve to collect an equitable pro rata share of the cost of District facilities from property owners connecting to the water and/or sewer systems, and

**WHEREAS**, the Board has established the charge in lieu of extension to collect, at the time of connection, a share of the cost of local facilities that serve a property, and

**WHEREAS**, the staff calculates the charge in lieu of extension for individual parcels pursuant to the calculation methodology established by the Board, and

**WHEREAS**, the Board desiring to approve of such charge in lieu of extension for the property referenced herein,

NOW, THEREFORE, **BE IT RESOLVED** as follows:

1. The Board of Commissioners hereby approves a charge in lieu of extension owing for connection of King County Tax Lot No. 252103-9026 to the District's sewer system in the amount of \$3,884.16. This amount reflects an equitable share of District Project No. 5298501 (26<sup>th</sup> Place Southwest and Southwest 352<sup>nd</sup> Street, PS #45) and the allocation of projects costs of \$74.70 per benefited front foot for the Project to the parcel's 52 feet of benefited front footage along the facilities constructed pursuant thereto.
2. The charge in lieu of extension shall, pursuant to the requirements of state law, bear interest, at the rate established for projects completed in 2006, from March 3, 2006 until the date of connection.
3. This resolution shall be effective on the date of adoption below. All charges in lieu of extension (formerly charges in lieu of assessment) previously collected are hereby approved as of the date of collection.

**ADOPTED** by the Board of Commissioners of Lakehaven Utility District, King County, Washington, at an open public meeting this 23<sup>rd</sup> day of March, 2006.

ATTEST:

Beverly G. Twedde ✓  
President and Commissioner      Yea      Nay      Abstain

Ronald L. Miller ✓  
Vice President and Commissioner      Yea      Nay      Abstain

**NOT PRESENT**  
Secretary and Commissioner      Yea      Nay      Abstain

**NOT PRESENT**  
Commissioner      Yea      Nay      Abstain

Edward C. Stewart ✓  
Commissioner      Yea      Nay      Abstain

Approved as to form:

She H. Roberts  
General Counsel

**CHARGE PAYABLE IN LIEU OF ASSESSMENT CALCULATION**  
**SEWER MAIN ADJACENT TO PUMP STATION NO. 45 (26TH PL. SW & SW 352ND ST.)**  
**Project No. 5298501**

Abbreviated Description	BFF (See Footnote #1)
Tax Lot #252103-9026	52.00
<b>Total</b>	<b>52.00</b>

EXPENSES:	TOTAL PROJECT COSTS	
	PUMP STATION	PIPELINE
Construction Cost	\$ 662,127.03	\$ 3,884.16
In-House Labor - Design	\$ 146,481.53	
In-House Labor - Construction Management, incl. Inspection	\$ 84,897.19	
Professional Services (Environmental, Surveying, Geotechnical, & Telemetry Review)	\$ 23,028.53	
Easements (Acquired by Lakehaven)	\$ 12,666.41	
Permits (City of Federal Way)	\$ 1,228.50	
Bidding Expenses	\$ 445.40	
Cost for Tacoma's Electrical Service	\$ 20,510.00	
Miscellaneous Electrical Supplies	\$ 5,474.84	
<b>Total</b>	<b>\$ 956,859.43</b>	<b>\$ 3,884.16</b>

(See Spreadsheet Sheet 2 for Detail & See Footnote #2)

Adolfson - \$3,444.48  
Hedges - \$8,409.26  
GeoEngineers - \$3,542.38  
Cosmopolitan - \$2,600.00  
Systems Interface - \$207.95  
Penhallegon - \$4,824.46  
Compensation to David & Martha Stark - ~~\$12,566.41~~  
Recording Fees - \$100.00

**FOOTNOTES:**

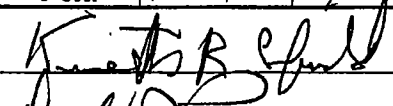
1) BFF = Benefited Front Footage. The parcel listed here is deemed the only parcel benefited by a new gravity sewer main extension constructed as part of the overall pump station project, and represents the actual frontage distance of the sewer main along the parcel's westerly boundary. There is no CPILOA established on the pump station facility itself; this facility is deemed one of "general" benefit to all District sewer customers. This pump station directs flow generated within its drainage basin to the Lakota WWTP, rather than the City of Tacoma sewer system, to realize conveyance and treatment cost savings covered by rates paid by all District sewer customers. All parcels within its drainage basin, whether currently provided sewer service or which can receive sewer service in the future, are NOT deemed "locally" benefited by the facility.

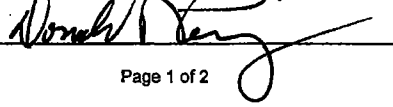
2) The "pipeline construction cost" includes those reasonable cost components for the sewer main extended southward from the pump station wet well. These include 1/2 of the full 52-foot length of the 8" sewer main (26 feet), since the property benefited only fronts one side of the pipeline; the full 35-foot length of the 6" side sewer; and excludes the cost of the terminal manhole and its excess height, since the side sewer could have theoretically connected to the wet well.

The "pipeline construction cost" (\$3,884.16) is 0.58% of the total "pump station construction cost" and the "pipeline construction cost" (\$662,127.03 + \$3,884.16).

<b>CPILOA Rate:</b>	8" Pipeline Cost	\$ 3,884.16	=	\$74.69538
	Total Benefited Frontage (FF)	52		<b>PER FRONT FOOT</b>

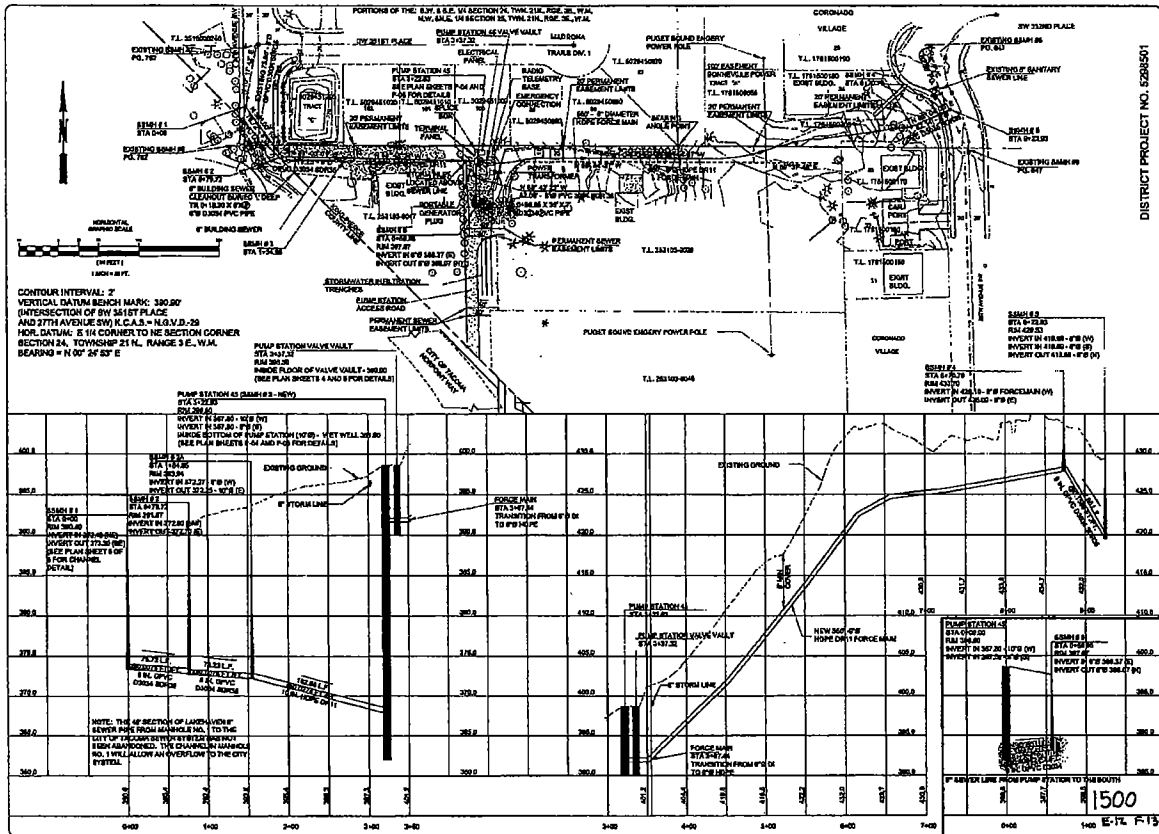
Cost per Running Foot of Pipeline	Length (feet)	52		
	8" Cost	\$ 3,884.16	=	\$74.70 PER LF

Approved By:  Date: 1/30/06

Approved By:  Date: 2/21/06

**CHARGE PAYABLE IN LIEU OF ASSESSMENT CALCULATION**  
**SEWER MAIN ADJACENT TO PUMP STATION NO. 45 (26TH PL. SW & SW 352ND ST.)**  
**Project No. 5298501**

Item No.	Description of Item	Units	Unit Cost	PUMP STATION COSTS		PIPELINE COSTS		
				Quant	Amount	Quant	Amount	
1	Mobilization, Cleanup & Demobilization	L.S.	\$ 53,200.00	1.00	\$ 53,200.00		\$ -	
2	Traffic Control	L.S.	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	
3	Construction Surveying	L.S.	\$ 3,000.00	1.00	\$ 3,000.00		\$ -	
4	Post Construction Services & Documentation	L.S.	\$ 5,000.00	1.00	\$ 5,000.00		\$ -	
5	Clearing and Grubbing	AC.	\$ 10,000.00	1.00	\$ 10,000.00		\$ -	
6	Temporary Erosion Control Facilities	F.A.	\$ 15,000.00	0.0119000	\$ 178.50		\$ -	
7	Silt Fence	L.F.	\$ 1.00	328.00	\$ 328.00		\$ -	
8	Catch Basin Erosion Control Inserts	EA.	\$ 100.00	1.00	\$ 100.00		\$ -	
9	Curb & Gutter Barrier for Erosion Control	EA.	\$ 50.00	0.00	\$ -		\$ -	
10	Straw Bale Dikes	EA.	\$ 15.00	0.00	\$ -		\$ -	
11	Rip Rap for Erosion Control	TN.	\$ 15.00	4.50	\$ 67.50		\$ -	
12	Surface Restoration	L.S.	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	
13	Trench Excavation Safety Systems	L.S.	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	
14	Foundation Material	C.Y.	\$ 20.00	488.00	\$ 9,720.00		\$ -	
15	Gravel Borrow	C.Y.	\$ 15.00	239.00	\$ 3,585.00		\$ -	
16	Crushed Surfacing Top Course for Trench Backfill	C.Y.	\$ 15.00	128.00	\$ 1,920.00		\$ -	
17	Crushed Surfacing Top Course for A. Repair & Driveway	TN.	\$ 12.00	280.00	\$ 3,360.00		\$ -	
18	1-1/4" Crushed Surfacing Base Course for Driveway	TN.	\$ 12.00	433.50	\$ 5,202.00		\$ -	
19	Cold Mix, Temporary Repair	TN.	\$ 10.00	5.03	\$ 50.30		\$ -	
20	3" Asphalt Concrete Pavement Trench Restoration	S.Y.	\$ 30.00	35.00	\$ 1,050.00		\$ -	
21	1-1/2" Asphalt Concrete Pavement Class B for Driveway	S.Y.	\$ 18.00	330.00	\$ 5,940.00		\$ -	
22	Concrete Sidewalk Removal & Replacement	S.Y.	\$ 40.00	16.00	\$ 640.00		\$ -	
23	Concrete Curb & Gutter Removal & Replacement	L.F.	\$ 25.00	28.00	\$ 700.00		\$ -	
24	Trench Dams	EA.	\$ 100.00	1.00	\$ 100.00		\$ -	
25	Hydroseeding	AC.	\$ 1,800.00	0.00	\$ -		\$ -	
26	Channel Existing Manhole No. 1	L.S.	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	
27	Connect to & Rechannel Manhole No. 2	L.S.	\$ 5,000.00	1.00	\$ 5,000.00		\$ -	
28	8" Diam. GPVC, ASTM D3034, SDR 35 for S. Sew. Main	L.F.	\$ 70.00	99.00	\$ 6,930.00	26.00	\$ 1,820.00	
29	10" Diam. HDPE, SDR 11 for Grav. Sewer Main by DB	L.F.	\$ 220.00	245.00	\$ 53,900.00		\$ -	
30	6" Diam. HDPE, SDR 11 for San. Sewer Force Main	L.F.	\$ 50.00	545.00	\$ 27,250.00		\$ -	
31	6" Diam. GPVC, ASTM D3034, SDR 35 for S. Side Sewer	L.F.	\$ 50.00	33.00	\$ 1,650.00	35.00	\$ 1,750.00	
32	10" X 6" HDPE, SDR 11 Tee for San. Side Sewer	L.F.	\$ 300.00	1.00	\$ 300.00		\$ -	
33	48" Dia. Standard MH Type 1 (#6) w/ Cast-In-Place Base	L.S.	\$ 6,000.00	1.00	\$ 6,000.00		\$ -	
34	48 in: Diam. Standard Manhole, Type 1	EA.	\$ 6,000.00	2.00	\$ 12,000.00	0.00	\$ -	
35	Additive for 48 in. Manhole, Type 1	V.F.	\$ 100.00	5.00	\$ 500.00	0.00	\$ -	
36	Interior Coating for 48" Manhole, Type 1 (MH #5)	V.F.	\$ 200.00	6.00	\$ 1,200.00		\$ -	
37	Pump Station Site Work	L.S.	\$ 10,000.00	1.00	\$ 10,000.00		\$ -	
38	Wet Well Excavation Safety System	L.S.	\$ 5,000.00	1.00	\$ 5,000.00		\$ -	
39	Wet Well	L.S.	\$ 130,000.00	1.00	\$ 130,000.00		\$ -	
40	Valve Box	L.S.	\$ 100.00	1.00	\$ 100.00		\$ -	
41	Piping, Valving, and Appurtenances	L.S.	\$ 16,000.00	1.00	\$ 16,000.00		\$ -	
42	Submersible Pumps	L.S.	\$ 45,000.00	1.00	\$ 45,000.00		\$ -	
43	Electrical Service	L.S.	\$ 130,000.00	0.938933385	\$ 122,061.34		\$ -	
44	Miscellaneous Equipment	L.S.	\$ 5,000.00	1.00	\$ 5,000.00		\$ -	
45	Underground Electrical Service for Pump Station	L.S.	\$ 5,000.00	1.00	\$ 5,000.00		\$ -	
46	Pump Station 6-foot Wood Fence	L.F.	\$ 30.00	165.00	\$ 4,950.00		\$ -	
47	Pump Station Metal Frame Wood Fence 3' Gate	L.S.	\$ 500.00	1.00	\$ 500.00		\$ -	
48	Pump Station 20' Metal Frame Wood VA Gate	L.S.	\$ 1,500.00	1.00	\$ 1,500.00		\$ -	
49	Catch Basin Type 1 for Storm Drainage	EA.	\$ 1,200.00	5.00	\$ 6,000.00		\$ -	
50	Catch Basin Type 1 w/ Oil Separator for Storm Drainage	EA.	\$ 1,300.00	2.00	\$ 2,600.00		\$ -	
51	8" Diam. Perforated ASTM D3034, SDR 35 Drain Pipe	L.F.	\$ 20.00	538.00	\$ 10,760.00		\$ -	
52	4" Diam. Ductile Iron Pipe for Driveway Drainage	L.F.	\$ 30.00	45.00	\$ 1,350.00		\$ -	
53	3/4" - 1 1/2" Washed Rock for Storm Drain S.	C.Y.	\$ 10.00	277.00	\$ 2,770.00		\$ -	
54	2-inch Quarry Spalls for Driveway Drain D	TN.	\$ 50.00	10.00	\$ 500.00		\$ -	
55	8-Foot Chain Link Fence, Type 1	L.F.	\$ 25.00	200.00	\$ 5,000.00		\$ -	
56	Wire Fence, Type 2	L.F.	\$ 5.00	210.00	\$ 1,050.00		\$ -	
57	Landscaping	L.S.	\$ 8,000.00	1.00	\$ 8,000.00		\$ -	
58	Top Soil	C.Y.	\$ 30.00	52.00	\$ 1,560.00		\$ -	
59	Additional Work for Uninterruptible Anderson Driveway	L.S.	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	
		SUBTOTALS				\$ 608,572.64		\$ 3,570.00
					8.8%	\$ 53,554.39		\$ 314.16
		TOTALS				\$ 662,127.03		\$ 3,884.16
GRAND TOTAL WITH WA STATE SALES TAX								\$ 666,011.19



DISTRICT PROJECT NO. 5288501

PUMP STATION 45  
 SANITARY SEWER PROJECT  
 PLAN AND PROFILE  
 RECORD DRAWING

DATE	BY	CHECKED	APPROVED



LANSING COUNTY DISTRICT  
 3107 WEST AVE SOUTH  
 EAST LANSING, MI 48106  
 (313) 487-1518

SHEET P-02  
 OF P-05  
 E-F.L. P.13