



**CITY OF PUYALLUP
ENGINEERING SERVICES
ESTIMATE OF COST**

ON-SITE

DATE: 3/13/25	ESTIMATOR: Robert Trivitt
PERMIT NUMBER: PRCCP20240845	EMAIL: rob@mailagc.com

STREET	UNIT	UNIT COST	PLAN QUANTITY	TOTAL
6" CURB & 18" GUTTER	LF	\$19.00		0.00
DRIVE APPROACH	SY	\$55.00		0.00
SIDEWALK	SY	\$35.00	24839	869,365.00
WHEEL CHAIR RAMP	LS	\$2,800.00		0.00
MONUMENT	EA	\$650.00		0.00
STREET SIGN	EA	\$280.00		0.00
WARNING SIGN	EA	\$230.00		0.00
PERMANENT BARRICADE	EA	\$850.00		0.00
STREET LIGHT	EA	\$5,500.00		0.00
METER BASE AND PANEL FOR ST LT	EA	\$13,200.00		0.00
ROADWAY EXCAVATION / HAUL	CY	\$35.00		0.00
GRAVEL BASE	TON	\$25.00		0.00
TOP COURSE	TON	\$30.00		0.00
CLASS B ASPHALT CONCRETE	TON	\$95.00		0.00
RAISE M.H. / VALVE BOX TO GRAD	EA	\$425.00		0.00
PERMEABLE BALLAST/RESERVOIR	TON	\$40.00		0.00
PERMEABLE SIDEWALK	SY	\$45.00		0.00
PERMEABLE ASPHALT	TON	\$200.00		0.00
CHANNELIZATION	LS			0.00
TRAFFIC SIGNAL	LS			0.00
MISC. ITEMS - Traffic Curb	LF	\$11.00	88	968.00
MISC. ITEMS - Extruded Curb	LF	\$7.00	2400	16,800.00
MISC. ITEMS - Wheel Stop	EA	\$15.00	355	5,325.00

STORM DRAINAGE

ROUGH GRADING	CY	\$3.00	38789	116,367.00
EROSION CONTROL	SF	\$0.50	330000	165,000.00
48" STORM SEWER MANHOLE	EA	\$3,605.00		0.00
54" STORM SEWER MANHOLE	EA	\$4,265.00		0.00
60" STORM SEWER MANHOLE	EA	\$5,075.00		0.00
72" STORM SEWER MANHOLE	EA	\$7,615.00		0.00
84" STORM SEWER MANHOLE	EA	\$10,150.00		0.00
96" STORM SEWER MANHOLE	EA	\$14,720.00		0.00
FLOW CONTROL MANHOLE	EA	\$4,900.00	1	4,900.00
CATCH BASIN TYPE I	EA	\$1,800.00	23	41,400.00
CATCH BASIN TYPE II	EA	\$3,550.00	11	39,050.00
6" D.I.P.	LF	\$75.00		0.00
8" D.I.P.	LF	\$85.00	73	6,205.00
12" D.I.P.	LF	\$90.00	339	30,510.00
8" PVC	LF	\$50.00		0.00
12" PVC	LF	\$65.00	1922	124,930.00
18" PVC	LF	\$85.00		0.00
21" PVC	LF	\$100.00		0.00
24" PVC	LF	\$125.00		0.00
30" PVC	LF	\$150.00		0.00
36" RCP	LF	\$275.00		0.00
42" RCP	LF	\$350.00		0.00

48" RCP	LF	\$440.00		0.00
4" OR 6" PERFORATED UNDERDRAIN	LF	\$35.00		0.00
CLEANOUTS	EA	\$425.00		0.00
DISPERSION TRENCH	LF	\$110.00		0.00
BIOSWALE / DETENTION POND	CF	\$2.00		0.00
COMPOST / COALESCE FILTER	LF	\$7.70		0.00
CATCH BASIN FILTER	EA	\$9,500.00		0.00
MODULAR WETLAND	EA	\$15,000.00		0.00
MISC. ITEMS - Yard Drain	EA	\$1,000.00	29	29,000.00
MISC. ITEMS - 6" Yard/Roof Drain	LF	\$40.00	1052	42,080.00
MISC. ITEMS - Detention Systems	LS	\$1,584,000.00	1	1,584,000.00

WATER	UNIT	UNIT COST	PLAN QUANTITY	TOTAL
3/4" WATER SERVICE / METER	EA	\$850.00		0.00
1" WATER SERVICE / METER	EA	\$1,000.00		0.00
1 1/2" WATER SERVICE / METER	EA	\$1,430.00		0.00
2" WATER SERVICE / METER	EA	\$2,000.00		0.00
FIRE HYDRANT ASSEMBLY	EA	\$3,400.00		0.00
2' BLOW OFF ASSEMBLY	EA	\$2,080.00		0.00
6" GATE VALVE	EA	\$750.00		0.00
8" GATE VALVE	EA	\$820.00		0.00
10" BUTTERFLY VALVE	EA	\$1,300.00		0.00
12" BUTTERFLY VALVE	EA	\$1,500.00		0.00
AIR RELIEF VALVE	EA	\$2,400.00		0.00
6" D.I.P.	LF	\$75.00		0.00
8" D.I.P.	LF	\$85.00		0.00
10" D.I.P.	LF	\$100.00		0.00
12" D.I.P.	LF	\$115.00		0.00
16" D.I.P.	LF	\$145.00		0.00
2" DOUBLE CHECK ASSEMBLY	EA	\$1,950.00		0.00
2" REDUCED PRESSURE ASSEMBLY	EA	\$1,625.00		0.00
2" DOUBLE DETECTOR CHECK	EA	\$1,625.00		0.00
6" DOUBLE DETECTOR CHECK	EA	\$7,500.00		0.00
ADJUST WM TO GRADE	EA	\$500.00		0.00
4" D.I.P. (FDC lines)	LF	\$65.00	1247	81,055.00
FDC	EA	\$1,500.00	8	12,000.00
MISC. ITEMS				0.00

SANITARY

SANITARY SEWER MANHOLE	EA	\$4,000.00	8	32,000.00
DROP MANHOLE	EA	\$5,000.00		0.00
TERMINAL CLEAN OUT	EA	\$425.00		0.00
SIDE SEWER	LF	\$60.00	1132	67,920.00
8" SANITARY PVC	LF	\$70.00	1197	83,790.00
10" SANITARY PVC	LF	\$75.00		0.00
12" SANITARY PVC	LF	\$90.00		0.00
18" SANITARY PVC	LF	\$100.00		0.00
GREASE INTERCEPTOR	GALLON	\$6.90		0.00
OIL/WATER SEPARATOR	GALLON	\$6.90		0.00
TYPE 1 CATCH BASIN	EA	\$1,800.00	2	3,600.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

RETAINING WALLS

ROCK RETAINING WALL	S.Y./FACE	\$250.00		0.00
POURED IN PLACE RETAINING WALL	S.Y./FACE	\$250.00		0.00
KEystone WALL	S.F./FACE	\$35.00	50	1,750.00

MISC. ITEMS - Redi Rock Wall	LS	\$62,000.00	1	62,000.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

MISCELLANEOUS

RELOCATE POWER POLE/TRANSFORMER				0.00
PRIVATE UTILITY TRENCHING	LF	\$3.00	1540	4,620.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

TOTAL	3,424,635.00
20% CONTINGENCY	684,927.00
GRAND TOTAL	4,109,562.00



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STREET	UNIT	UNIT COST	PLAN QUANTITY	TOTAL
6" CURB & 18" GUTTER	LF	\$19.00	1211	23,009.00
DRIVE APPROACH	SY	\$55.00	171	9,405.00
SIDEWALK	SY	\$35.00	1012	35,420.00
WHEEL CHAIR RAMP	EA	\$2,800.00		0.00
MONUMENT	EA	\$650.00		0.00
STREET SIGN	EA	\$280.00	6	1,680.00
WARNING SIGN	EA	\$230.00		0.00
PERMANENT BARRICADE	EA	\$850.00		0.00
STREET LIGHT	EA	\$5,500.00	2	11,000.00
METER BASE AND PANEL FOR ST LT	EA	\$13,200.00		0.00
ROADWAY EXCAVATION / HAUL	CY	\$35.00	148	5,180.00
GRAVEL BASE	TON	\$25.00	937	23,425.00
TOP COURSE	TON	\$30.00	180	5,400.00
CLASS B ASPHALT CONCRETE	TON	\$95.00	343	32,585.00
RAISE M.H. / VALVE BOX TO GRAD	EA	\$425.00	2	850.00
PERMEABLE BALLAST/RESERVOIR	TON	\$40.00		0.00
PERMEABLE SIDEWALK	SY	\$45.00		0.00
PERMEABLE ASPHALT	TON	\$200.00		0.00
CHANNELIZATION	LS	\$4,000.00	1	4,000.00
TRAFFIC SIGNAL	LS			0.00
MISC. ITEMS - Speed Table Replacement	EA	\$2,000.00	2	4,000.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

STORM DRAINAGE

ROUGH GRADING	CY	\$3.00		0.00
EROSION CONTROL	SF	\$0.50	40133	20,066.50
48" STORM SEWER MANHOLE	EA	\$3,605.00		0.00
54" STORM SEWER MANHOLE	EA	\$4,265.00		0.00
60" STORM SEWER MANHOLE	EA	\$5,075.00		0.00
72" STORM SEWER MANHOLE	EA	\$7,615.00		0.00
84" STORM SEWER MANHOLE	EA	\$10,150.00		0.00
96" STORM SEWER MANHOLE	EA	\$14,720.00		0.00
FLOW CONTROL MANHOLE	EA	\$4,900.00		0.00
CATCH BASIN TYPE I	EA	\$1,800.00	5	9,000.00
CATCH BASIN TYPE II	EA	\$3,550.00	1	3,550.00
6" D.I.P.	LF	\$75.00		0.00
8" D.I.P.	LF	\$85.00		0.00
12" D.I.P.	LF	\$90.00	481	43,290.00
8" PVC	LF	\$50.00		0.00
12" PVC	LF	\$65.00	430	27,950.00
18" PVC	LF	\$85.00		0.00
21" PVC	LF	\$100.00		0.00
24" PVC	LF	\$125.00		0.00
30" PVC	LF	\$150.00		0.00
36" RCP	LF	\$275.00		0.00
42" RCP	LF	\$350.00		0.00

48" RCP	LF	\$440.00		0.00
4" OR 6" PERFORATED UNDERDRAIN	LF	\$35.00		0.00
CLEANOUTS	EA	\$425.00		0.00
DISPERSION TRENCH	LF	\$110.00		0.00
BIOSWALE / DETENTION POND	CF	\$2.00		0.00
COMPOST / COALESCE FILTER	LF	\$7.70		0.00
CATCH BASIN FILTER	EA	\$9,500.00		0.00
MODULAR WETLAND	EA	\$15,000.00		0.00
MISC. ITEMS - Stormfilter CB	EA	\$14,000.00	1	14,000.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

WATER

WATER	UNIT	UNIT COST	PLAN QUANTITY	TOTAL
3/4" WATER SERVICE / METER	EA	\$850.00		0.00
1" WATER SERVICE / METER	EA	\$1,000.00		0.00
1 1/2" WATER SERVICE / METER	EA	\$1,430.00		0.00
2" WATER SERVICE / METER	EA	\$2,000.00		0.00
FIRE HYDRANT ASSEMBLY	EA	\$3,400.00	3	10,200.00
2' BLOW OFF ASSEMBLY	EA	\$2,080.00		0.00
6" GATE VALVE	EA	\$750.00		0.00
8" GATE VALVE	EA	\$820.00	3	2,460.00
10" BUTTERFLY VALVE	EA	\$1,300.00		0.00
12" BUTTERFLY VALVE	EA	\$1,500.00		0.00
AIR RELIEF VALVE	EA	\$2,400.00		0.00
6" D.I.P.	LF	\$75.00		0.00
8" D.I.P.	LF	\$85.00	147	12,495.00
10" D.I.P.	LF	\$100.00		0.00
12" D.I.P.	LF	\$115.00		0.00
16" D.I.P.	LF	\$145.00		0.00
2" DOUBLE CHECK ASSEMBLY	EA	\$1,950.00		0.00
2" REDUCED PRESSURE ASSEMBLY	EA	\$1,625.00		0.00
2" DOUBLE DETECTOR CHECK	EA	\$1,625.00		0.00
6" DOUBLE DETECTOR CHECK	EA	\$7,500.00		0.00
ADJUST WM TO GRADE	EA	\$500.00		0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

SANITARY

SANITARY SEWER MANHOLE	EA	\$4,000.00	1	4,000.00
DROP MANHOLE	EA	\$5,000.00		0.00
TERMINAL CLEAN OUT	EA	\$425.00		0.00
SIDE SEWER	LF	\$60.00		0.00
8" SANITARY PVC	LF	\$70.00	24	1,680.00
10" SANITARY PVC	LF	\$75.00		0.00
12" SANITARY PVC	LF	\$90.00		0.00
18" SANITARY PVC	LF	\$100.00		0.00
GREASE INTERCEPTOR	GALLON	\$6.90		0.00
OIL/WATER SEPARATOR	GALLON	\$6.90		0.00
TYPE 1 CATCH BASIN	EA	\$1,800.00		0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

RETAINING WALLS

ROCK RETAINING WALL	S.Y./ FACE	\$250.00		0.00
POURED IN PLACE RETAINING WALL	S.Y./ FACE	\$250.00		0.00
KEystone WALL	S.F./FACE	\$35.00		0.00

MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

MISCELLANEOUS

RELOCATE POWER POLE/TRANSFORMER				0.00
PRIVATE UTILITY TRENCHING	LF	\$3.00	360	1,080.00
MISC. ITEMS - Remove Power Poles	LS	\$7,000.00	1	7,000.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00
MISC. ITEMS				0.00

TOTAL	312,725.50
20% CONTINGENCY	62,545.10
GRAND TOTAL	375,270.60

Total Valuation	4,484,832.60
Engineer Inspection Fee (3%)	134,544.98
Required Performance Bond Amt (150%)	469,088.25
TOTAL	5,088,465.83