

GRADING REPORT

COMPUTED BY: GREG GREEN, P.E.
CHECKED BY: JASON SIVERLING, P.E.
FEDERAL PROJECT NO: N/A
ROUTE NO. OR STREET: STOCKYARD ROAD

SHEET 1 OF 5
STATE NO.: 90LCOU-S3-004
PIN: 134217.01
COUNTY: WASHINGTON

ESTIMATED GRADING QUANTITIES								
DESCRIPTION		UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY			
		EXC.	EMB.	EXC.	SHRINK = 5 %	SWELL = 0 %		
STOCKYARD ROAD AND DRIVEWAYS		3040	94	2888	EXC.	EMB.		
SIA ROAD		17717	323	16832				
EROSION PREVENTION AND SEDIMENT CONTROL		22	0	21				
		0	0					
TEMPORARY CONSTRUCTION EXITS		25	0	24				
		0	0					
TOPSOIL (EMB.)		116					AVAILABLE	=
TOPSOIL (EXC.)		1236					12313	
TOPSOIL TOTALS (SEE TOPSOIL TABLE)							WASTE MATERIAL	=
ROCK (C.Y.)		TOTALS (C.Y.)						
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)		
0	0	14874	534	14874	13523	12847		

STOCKYARD ROAD

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SHEET 2 OF 5
 STATE NO.: 90LCOU-S3-004
 PIN: 134217.01
 COUNTY: WASHINGTON

Earthwork Quantities Report

Report Created: Thursday, July 3, 2025
 Time: 8:03:06 AM

Cross Section Set Name: STOCKYARD
 Alignment Name: STOCKYARD
 Input Grid Factor: All units in this report are in feet, square feet
 and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/ Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/ Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	Mass Ordinate
Station Total:			0	0				0	0
1250	1	73.786	35.062	35.062	1	0	0	0	35.062
Station Total:			35.062	35.062				0	35.062
1254	1	77.502	11.207	11.207	1	0	0	0	46.269
Station Total:			11.207	11.207				0	46.269
1295	1	74.095	115.102	115.102	1	0.187	0.142	0.142	161.229
Station Total:			115.102	115.102				0.142	161.229
1300	1	72.628	13.585	13.585	1	0.124	0.029	0.029	174.785
Station Total:			13.585	13.585				0.029	174.785
1350	1	56.768	119.811	119.811	1	0	0.115	0.115	294.482
Station Total:			119.811	119.811				0.115	294.482
1400	1	30.466	80.772	80.772	1	7.312	6.77	6.77	368.483
Station Total:			80.772	80.772				6.77	368.483
1405.886	1	28.528	6.431	6.431	1	8.978	1.776	1.776	373.138
Station Total:			6.431	6.431				1.776	373.138
1415	1	28.187	9.572	9.572	1	11.484	3.453	3.453	379.257
Station Total:			9.572	9.572				3.453	379.257
1450	1	118.371	94.992	94.992	1	8.737	13.106	13.106	461.142
Station Total:			94.992	94.992				13.106	461.142
1468	1	989.37	369.247	369.247	1	1.826	3.521	3.521	826.868
Station Total:			369.247	369.247				3.521	826.868
1500	1	1405.078	1418.932	1418.932	1	0.221	1.213	1.213	2244.587
Station Total:			1418.932	1418.932				1.213	2244.587
1515	1	1503.865	808.04	808.04	1	0.319	0.15	0.15	3052.477
Station Total:			808.04	808.04				0.15	3052.477
1517	1	1513.06	111.738	111.738	1	0.263	0.022	0.022	3164.193
Station Total:			111.738	111.738				0.022	3164.193
1539.229	1	865.853	979.287	979.287	1	0	0.108	0.108	4143.372
Station Total:			979.287	979.287				0.108	4143.372
1550	1	379.616	248.419	248.419	1	0.235	0.047	0.047	4391.744
Station Total:			248.419	248.419				0.047	4391.744
1600	1	175.505	514.002	514.002	1	0.483	0.665	0.665	4905.081
Station Total:			514.002	514.002				0.665	4905.081
1611	1	178.293	72.07	72.07	1	0.697	0.24	0.24	4976.911
Station Total:			72.07	72.07				0.24	4976.911
1650	1	181.51	259.858	259.858	1	0.596	0.934	0.934	5235.835
Station Total:			259.858	259.858				0.934	5235.835

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SHEET 3 OF 5
 STATE NO.: 90LCOU-S3-004
 PIN: 134217.01
 COUNTY: WASHINGTON

	Cut Shrink/ Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/ Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	Mass Ordinate
1700	1	157.091	313.52	313.52	1	0.645	1.149	1.149	
		Station Total:		313.52				1.149	5548.206
1750	1	145.329	280.019	280.019	1	0.041	0.635	0.635	
		Station Total:		280.019				0.635	5827.589
1760	1	152.848	55.218	55.218	1	0.226	0.049	0.049	
		Station Total:		55.218				0.049	5882.758
1800	1	106.058	191.782	191.782	1	1.844	1.533	1.533	
		Station Total:		191.782				1.533	6073.007
1831.452	1	108.538	124.99	124.99	1	6.405	4.805	4.805	
		Station Total:		124.99				4.805	6193.192
1845	1	108.75	54.516	54.516	1	5.975	3.106	3.106	
		Station Total:		54.516				3.106	6244.602
1850	1	100.936	19.415	19.415	1	10.758	1.549	1.549	
		Station Total:		19.415				1.549	6262.468
1870	1	81.864	67.704	67.704	1	15.565	9.75	9.75	
		Station Total:		67.704				9.75	6320.422
1887.429	1	120.56	65.336	65.336	1	11.081	8.6	8.6	
		Station Total:		65.336				8.6	6377.158
1900	1	113.355	54.453	54.453	1	9.308	4.746	4.746	
		Station Total:		54.453				4.746	6426.864
1903	1	117.24	12.811	12.811	1	8.885	1.011	1.011	
		Station Total:		12.811				1.011	6438.664
1919.87	1	124.251	75.444	75.444	1	12.672	6.735	6.735	
		Station Total:		75.444				6.735	6507.373
1920.68	1	122.635	3.703	3.703	1	11.782	0.367	0.367	
		Station Total:		3.703				0.367	6510.709
1940	1	82.31	73.325	73.325	1	29.211	14.667	14.667	
		Station Total:		73.325				14.667	6569.367
1950	1	188.496	50.149	50.149	1	0	5.41	5.41	
		Station Total:		50.149				5.41	6614.107
1955.62	1	212.672	41.751	41.751	1	0	0	0	
		Station Total:		41.751				0	6655.858
1961.78	1	6.16	24.963	24.963	1	0	0	0	
		Station Total:		24.963				0	6680.821

Grand Total: 6777.224 6777.224

96.402 96.402

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SHEET 4 OF 5
STATE NO.: 90LCOU-S3-004
PIN: 134217.01
COUNTY: WASHINGTON



Earthwork Quantities Report

Report Created: Thursday, July 3, 2025
Time: 8:01:18 AM

Cross Section SIA
Alignment SIA
Input Grid
Factor: All units in this report are in feet, square feet
and cubic yards unless specified otherwise.

Baseline Station	Cut Shrink/ Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/ Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	Mass Ordinate
Station Total:				0				0	0
2025	1	1095.433	343.454	343.454	1	0.293	13.747	13.747	329.707
Station Total:				343.454				13.747	
2050	1	491.733	734.799	734.799	1	0	0.136	0.136	1064.37
Station Total:				734.799				0.136	
2100	1	960.807	1344.945	1344.945	1	0	0	0	2409.315
Station Total:				1344.945				0	
2150	1	1416.662	2201.36	2201.36	1	0	0	0	4610.675
Station Total:				2201.36				0	
2200	1	1532.395	2730.608	2730.608	1	0	0	0	7341.284
Station Total:				2730.608				0	
2225	1	1464.442	1387.424	1387.424	1	0	0	0	8728.708
Station Total:				1387.424				0	
2240.147	1	1389.662	800.589	800.589	1	0	0	0	9529.298
Station Total:				800.589				0	
2250	1	1352.289	500.292	500.292	1	0	0	0	10029.589
Station Total:				500.292				0	
2290	1	1177.535	1873.944	1873.944	1	0	0	0	11903.533
Station Total:				1873.944				0	

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SHEET 5 OF 5
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Baseline Station	Cut Shrink/ Swell Factor	Station Cut Area	Station Cut Volume	Adjusted Station Cut	Fill Shrink/ Swell Factor	Station Fill Area	Station Fill Volume	Adjusted Station Fill	Mass Ordinate
2300	1	1125.324	426.455	426.455	1	0	0	0	
			Station Total:	426.455				0	12329.99
2331	1	996.864	1218.294	1218.294	1	0	0	0	
			Station Total:	1218.294				0	13548.28
2350	1	920.44	674.607	674.607	1	0	0	0	
			Station Total:	674.607				0	14222.89
2389.495	1	730.757	1207.678	1207.678	1	0	0	0	
			Station Total:	1207.678				0	15430.57
2400	1	674.22	273.311	273.311	1	0	0	0	
			Station Total:	273.311				0	15703.88
2410	1	624.332	240.473	240.473	1	0	0	0	
			Station Total:	240.473				0	15944.35
2450	1	459.746	803.021	803.021	1	0	0	0	
			Station Total:	803.021				0	16747.37
2480	1	445.375	502.845	502.845	1	0	0	0	
			Station Total:	502.845				0	17250.22
2500	1	515.364	355.829	355.829	1	0	0	0	
			Station Total:	355.829				0	17606.05
2510	1	542.74	195.945	195.945	1	0	0	0	
			Station Total:	195.945				0	17801.99
2550	1	303.194	626.618	626.618	1	36.38	26.948	26.948	
			Station Total:	626.618				26.948	18401.66
2565	1	212.09	143.135	143.135	1	79.225	32.113	32.113	
			Station Total:	143.135				32.113	18512.68

Grand Total: 18585.63 18585.63

72.944 72.944