October 11, 2011



KIER & WRIGHT Civil Engineers & Surveyors, Inc.

> Alameda County Community Development Agency Attn: Jim Gilford 224 West Winton, Suite 110 Hayward, CA 94544 james.gilford@acgov.org

RE: PLEASANTON SMP-31 - EXHIBITS EARTHWORK QUANTITY TAKEOFF OF BUSCH PIT ALAMEDA COUNTY, CA

Dear Jim:

Kier & Wright performed a quantity take off to fill in the existing Busch Pit along Busch Road in Alameda County, as shown on the attached Exhibit A. In September 2011, our survey crews captured the grades of the bottom of the existing pit and subsequently transferred this data to the Topographic Survey we compiled in 2007.

The takeoff was then prepared, based upon comparing the existing grades of the bottom and side slopes of the pit to the proposed elevation at the top of the pit. We utilized Agtek, the industry standard software program, in determining the quantity of roughly 354,000 cubic yards of fill required to fill in this pit.

If you have any questions or need additional information, please feel free to call me at 925-245-8788.

Sincerely, KIER & WRIGHT

Steve Calcagno

Steve Calcagno, P.E.

Attachment

Cc: Steve Dunn Bridget Metz



F1+16								
F19+48	F15+38	F18+20	F18+78	F19+70	F21+21	F21+47	F18+73	F12+36
F20+94	F36+08	F43+09	F44+48	F46+89	F49+31	F49+23	F43+42	F37+57
F19+85	F42+43	F49+25	F52+92	F55+75	F57+94	F60+90	F51+40	F43+57
F21+46	F46+44	F48+46	F52+74	F56+14	F58+02	F59+45	F55+10	F45+72
F24+21	F47+14	F47+07	F50+17	F53+99	F56+24	F57+84	F58+38	F47+90
F25+11	F48+27	F48+36	F48+58	F49+39	F52+60	F54+67	F56+80	<mark>F49+79</mark>
F25+68	F48+53	F49+18	F49+97	F50+66	F51+74	F52+79	F52+07	F49+47
F23+06	F49+10	F50+23	F51+02	F51+52	F51+78	F52+32	F51+52	F48+51
F22+13	F49+06	F50+22	F51+16	F51+36	F51+53	F51+47	F51+12	F47+46
F20+67	F48+70	F49+65	F50+39	F50+28	F50+56	F50+54	F50+03	F45+17
F18+93	F46+64	F48+81	F49+12	F49+06	F48+91	F48+58	F46+89	F38+00
F17+58	F44+19	F46+80	F47+07	F46+93	F46+86	F43+36	F38+06	F30+87
F14+68	F34+88	F41+61	F40+03	F39+00	F37+35	F33+85	F29+80	F23+06
F7+87	F17+00	F23+82	F29+78	F33+66	F29+10	F24+08	F20+99	F16+25
		F2+32	F4+00	F6+25	F8+30	F9+92	F10+99	F11+63

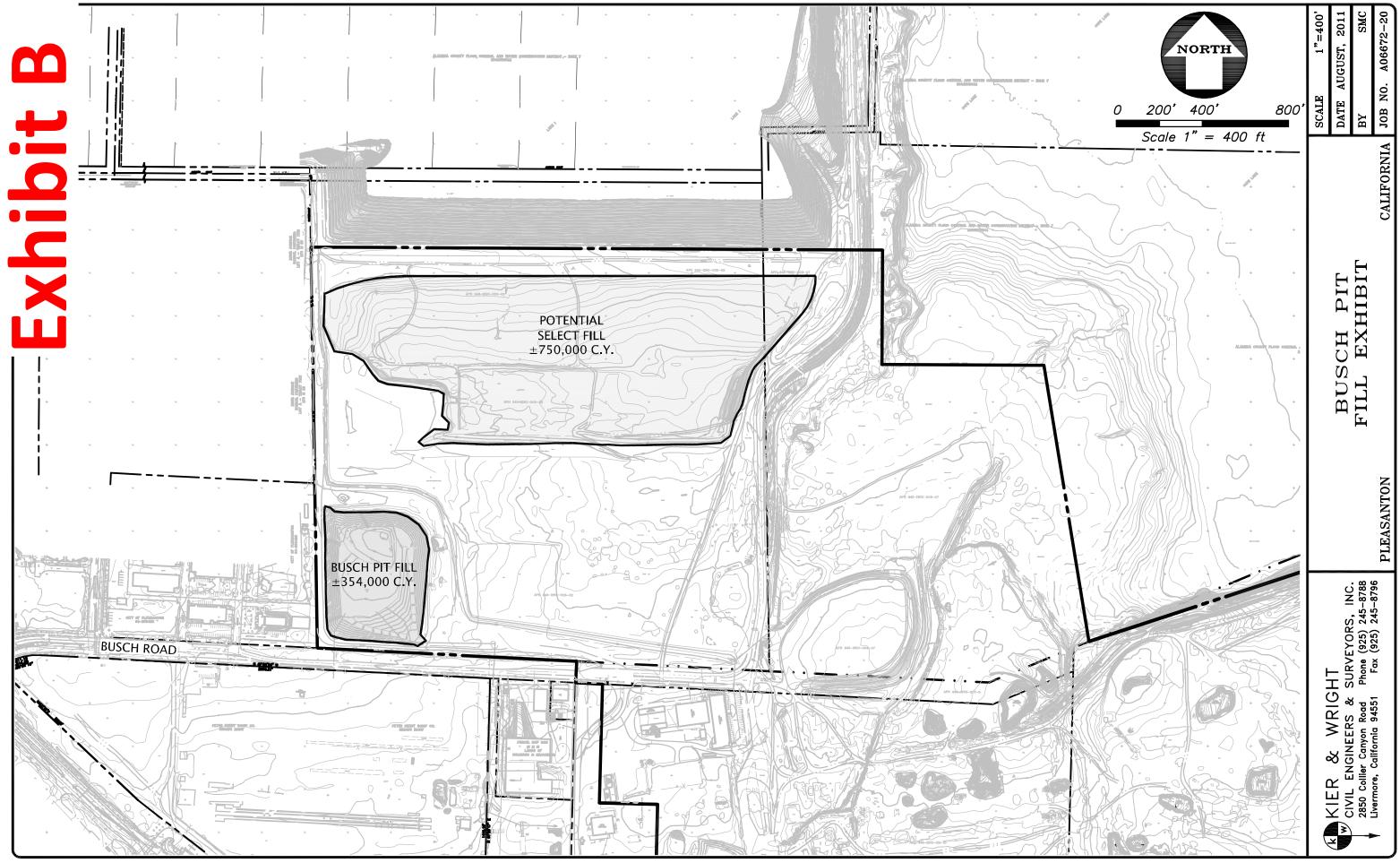
Job: A06672 REMAINING BALANCE Units: Ft-CY Mon Aug 08, 2011 08:45:26 Page 1

Volume Report Design vs. Existing

F1+34			Design vs. Existing											
							Area		Volume	Com	o/Ratio	Compact	Fynort	Change
					Total	Cut	Fill	OnGrade	Cut Fil		Fill	Cut Fill		Per .1 Ft
F22+28	F5+65		Job Site		273,187	0	273,040	147	0 354,062		1.00			
					210,101	0	273,040	147	0 004,002	- 1.00	1.00	0 004,002	-004,002	1,012
F40+46	F19+78													
1 40 40	110.10													
F42+11	F27+88	F4+18		<u>CUT/FILL</u>										
				29.25										
F40+89	F29+10	F5+67		27.30										
				25.35										
				23.40										
F39+44	F26+85	F3+05		21.45										
1 39+44	120+05	13405		19.50										
				17.55										
				15.60										
F37+37	F25+31	F1+14		13.65										
				11.70										
				9.75										
F34+95	F23+46								Ĩ.					
				7.80										
				5.85						Land Westley March				
F22+78	F21+82			3.90						IFR &	, WI	RIGHT		
F32+78	F21+82			1.95				-						
				± .100						L ENGINEER	S & SL	JRVEYORS, INC.		
				1.95										
F30+92	F19+54			3.90										
				5.85										
				7.80										
F27+68	F17+62			9.75					Y					
				11.70										
				13.65										
F23+74	F16+05			15.60										
120174	10103													
		1		17.55										
				19.50										
F17+65	F12+47			21.45										
				23.40										
				25.35										
F11+50	F9+43			27.30										
				29.25										
									_ •		-			
F9+44	F6+15								Exh	ihit	· A			
1 3744	10113								LVI		, A			



BUSH PIT - REMAINING BALANCE 8-3-11



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