

**CHANGE ORDER DETAIL OF THE PINE CREEK CANYON ROAD RECONSTRUCTION PROJECT - August 2013**

COR#	ITEM	DESCRIPTION	AMOUNT	UNIT PRICE	EXTENDED AMOUNT	EXPLANATION
	<b>WATER LINE CONSTRUCTION</b>					
1		HDPE Water Pipe			\$ 13,759.20	When the original bids came in the water line portion of the project was over the amount budgeted by PSWID. Carson Construction submitted a cost saving proposal to switch the pipe material to HDPE DR-17. After the contract was awarded, PSWID determined that HDPE DR-17 did not have a high enough pressure rating and changed the pipe material to HDPE-DR11
4	203	Trenching for electrical conduits			\$ 2,733.89	During construction PSWID decided to add some electrical conduit to be used on an existing booster pump near SR87
5	27	Water Tap & Cap 1"	1	\$ 619.40	\$ 619.40	The original water line plans called for a valve between the main and each service line with nothing on the end of the service lines. This change order added a valve to the end of each service line. Additional service lines were also added with this change order
5	26	Water Tap & Cap 2"	2	\$ 1,497.88	\$ 2,995.76	The original water line plans called for a valve between the main and each service line with nothing on the end of the service lines. This change order added a valve to the end of each service line. Additional service lines were also added with this change order
5	27	Angle Stops 1"	18	\$ 84.75	\$ 1,525.46	The original water line plans called for a valve between the main and each service line with nothing on the end of the service lines. This change order added a valve to the end of each service line. Additional service lines were also added with this change order
5	26	Corp Stops 2"	4	\$ 189.79	\$ 759.15	The original water line plans called for a valve between the main and each service line with nothing on the end of the service lines. This change order added a valve to the end of each service line. Additional service lines were also added with this change order
6		Additional Water Lines			\$ 4,157.26	This change order added a bypass line around the check valve located near the water companies yard. An additional line was also added to tie into an existing well that was not part of the original water line plans
7		Pressure Grout			\$ 15,076.34	The original water line plans did not specify what should be done with the old water main after it had been abandoned. Since portions of the old water main would be underneath the new road and very shallow creating the potential for a road failure the decision was made to pressure grout the portions of the old water main that were under the new road.
8	22	Air Release Valve added	2	\$ 1,649.83	\$ 3,299.66	Planned for 1 but needed a total of 3 air release valves
8	8	6" Valve, Box & Cover	1	\$ 1,334.56	\$ (1,334.56)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	9	8" Valve, Box & Cover	1	\$ 1,823.61	\$ (1,823.61)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	11	8" X 8" Tee	1	\$ 417.06	\$ (417.06)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	12	6" X 6" Tee	1	\$ 233.37	\$ (233.37)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	13	8" X 6" Tee	1	\$ 180.48	\$ (180.48)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	14	6" X 2" Reducer	1	\$ 114.37	\$ (114.37)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	15	8" X 4" Reducer	1	\$ 220.66	\$ (220.66)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	16	Water Main Sample Tap	5	\$ 591.38	\$ (2,956.90)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.

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8	17	8" X 22.5 Bend	1	\$ 208.14	\$ (208.14)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	19	6" X 90 Bend	1	\$ 59.27	\$ (59.27)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
8	24	6" Check Valve, B&C	1	\$ 1,443.11	\$ (1,443.11)	This change order is a deduction for pipe material no longer needed due to changing the pipe material.
		Water Line Change Total			\$ 35,934.59	
		<b>ROAD CONSTRUCTION</b>				
2	340.3	Concrete headwall			\$ 5,025.81	The work entailed in the original design of the down stream side of cross culvert No. 2 would have required an easement from the property owner. Since we were unable to acquire an easement the design of the down stream side of cross culvert No. 2 had to be changed; the change involved a decrease in the amount of dumped rip rap and the addition of a concrete "cut off" wall.
2	903.1	Dumped Rock Riprap, D50=9"	20	\$ 71.98	\$ (1,439.60)	The work entailed in the original design of the down stream side of cross culvert No. 2 would have required an easement from the property owner. Since we were unable to acquire an easement the design of the down stream side of cross culvert No. 2 had to be changed; the change involved a decrease in the amount of dumped rip rap and the addition of a concrete "cut off" wall.
3	501	Cement Treated Slurry	146.18	\$ 116.85	\$ 17,081.20	Since the driveway at this parcel is located on a dirt hill shotcrete slope protection was added to prevent erosion and failure of the driveway. A portion of the septic tank and leach field for this parcel is actually located in the County Right of Way. Due to the possibility of effluent leaching out an HDPE liner was added under the Shotcrete. To prevent someone from accidentally driving off of the driveway and onto the shotcrete, delineators were added to clearly mark the edge of the driveway.
9	511	Keystone Block	414	\$ 19.22	\$ 7,957.08	This change order is for additional keystone block to match up to existing ground conditions.
10	501	Shotcrete varied thickness not converted by bid C.Y. item	620	\$ 8.47	\$ 5,251.40	This change order is for additional shotcrete from co 3 due to the residents leach field being in the right of way.
11	501	Shotcrete varied thickness not converted by bid C.Y. item	5660	\$ 4.75	\$ 26,885.00	This change order is for shotcrete slope protection at various locations due to steep grades and poor soil conditions.
11	501	Shotcrete sub grade preparation on slopes, O&P, Taxes & Bond			\$ 10,182.56	This change order is for shotcrete slope protection at various locations due to steep grades and poor soil conditions.
12	903.1	Dumped Rock Riprap	116.4	\$ 71.98	\$ 8,378.47	This change order is for additional rip rap drainage ditch protection at various locations due to slope changes.
13	621.1	CMP 12" Line	30	\$ 38.59	\$ 1,318.50	This change order is for additional cmp due to unforeseen sight conditions
13	622.2	CMP 15" Line	53	\$ 36.21	\$ 1,976.02	This change order is for additional cmp due to unforeseen sight conditions
14	411	ACFC			\$ (42,900.55)	This change order deleted the ACFC from the contract

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COR#	ITEM	DESCRIPTION	AMOUNT	UNIT PRICE	EXTENDED AMOUNT	EXPLANATION
15	340.3	25% Concrete Headwall			\$ (1,005.41)	This change order is for a 25% reduction in the cost of a concrete head wall due to the poor aesthetic quality of the work done by the contractor
16	340.2	Concrete Headwall			\$ (3,116.93)	This change order is a deduction for deleting a concrete headwall from the contract
17	321	Asphalt for Driveway	95	\$ 102.82	\$ 9,767.90	This change order is for additional paving of driveways as part of negotiations with property owners for giving easements.
17	310	ABS for Driveway	165	\$ 45.93	\$ 7,578.45	This change order is for additional paving of driveways as part of negotiations with property owners for giving easements.
18		Fog Seal replacing item 411 including sweeper, tractor & operators (plus O&P Taxes Bond)			\$ 5,909.11	This change order is for fog sealing the new road, additional striping, and brass survey monuments (as opposed to just rebar as originally called for)
18	708.1	White Permanent Pavement Mark	801	\$ 2.88	\$ 2,306.88	This change order is for fog sealing the new road, additional striping, and brass survey monuments (as opposed to just rebar as originally called for)
18	405	Brass Survey Monuments (plus O&P Taxes Bond)			\$ 828.69	This change order is for fog sealing the new road, additional striping, and brass survey monuments (as opposed to just rebar as originally called for)
19		Gerkin Resident Improvements - Fence	54	\$ 55.00	\$ 3,618.42	This change order is for the installation of fencing to satisfy osha requirements and for the repair of a leach field.
19		Gerkin Resident Improvements - Leech Field	82	\$ 41.34	\$ 4,130.03	This change order is for the installation of fencing to satisfy osha requirements and for the repair of a leach field.
19		Gerkin Improvements			\$ (5,667.62)	Amount exceeds contract amount-paid only \$2080.33 to contractor and final amount is covered under COR# 23
20		Portals I & II			\$ 18,596.79	This change order is for increasing the height of the retaining wall at Portals N. due to existing site conditions and for the addition of conduit under the asphalt to allow the gate to function
21	321	Asphalt	39.5	\$ 102.82	\$ 4,061.39	Additional asphalt and ABC at the end of the project
21	310	ABC	59.4	\$ 45.93	\$ 2,728.24	Additional asphalt and ABC at the end of the project
22	925	Survey Work			\$ 10,242.93	Cost for additional survey work done by Anderson Nelson
23		Gerkin Resident Improvements			\$ 5,667.62	Completion of COR #19
		Road Construction Change Total			\$ 105,362.38	
		<b>GRAND TOTAL =</b>			<b>\$ 141,296.97</b>	\$100,000 covered in contract under Force Account