PUBLIC IMPROVEMENT COSTS

Case Name: PHASE 2 Removal of Soil Stockpiles
LOCATION: North West Industrial Subdivision, 19000 W. Hwy .72
Case Number
Date 28July2013

PHASE 2	IMPROVEMENTS LIST	for Removal of Scattered Stockpiles			
Work Category	**Improvement Item**	**Unit**	**Plan Quantity**	**< Unit Cost**	**Total Cost >**
Construction					
Ripping/Loading/Export Trucking and Roadway Fill/Culvert Placement by Successful Competitive Bidders, 6 Places:					
Sediment Trap Spoil Piles	20,000-cuyds loaded & hauled to ampitheatre fill, ensuring northward drainage				
Infield South, NE & SE Piles	100,000-cuyd loading & exporting				
West End Scraper Pile	upper bench: 100,000-cuyd loading & hauling,mostly to adjacent West Entry roadway embankment				
West End Scraper Pile	lower bench: 200,000-cuyd loading & exporting				
Ampitheatre/Bronco Lane	50,000-cuyd loading or pushing southward	to continue building berm along Bronco Lane			
West End Entry Road	100,000-cuyd fill placed & compacted w/culvert	per CDOT permit & Jeffco design standards			
BMP	Vehicle Tracking Pad for Export Movements	EACH	1		$ -
Sediment Erosion Control	Silt Fence	LIN FT	400		$ -
BMPs	Straw Bales	EACH	50		$ -
BMPs	Check Dams	LIN FT	10		$ -
BMPs	Sediment Control Logs	LIN FT	40		$ -
BMPs	Erosion Control Blankets	SQ YD	200		$ -
BMPs	Gravel	CU YD	500		$ -
BMPs	Outlet Protection (Type L Riprap)	CU YD	10		$ -
BMPs	Temporary seeding	ACRE	4		$ -
Grading	Finish Grading, allowance per JC Inspector	CU YD	4000		$ -
Final Stabilization	Permanent Seeding	ACRE	none		
Phase 2 Stockpile Removal	Sod	SQ FT	none		
is an intermediate activity	Seedbed Preparation	SQ YD	none		
Phase 3 Recontouring	Topsoil (Import)	CU YD	none		
would be followed by	Topsoil (CIP)	CU YD	none		
these activities & materials.	Mulch (remove straw)	SQ YD	none		
BMPs	Silt Fence	LIN FT	250		$ -
BMPs	Sediment control logs	LIN FT	100		$ -
BMPs	Erosion Control Blankets	SQ YD	100		$ -

Storm Drainage	Drainage Channels (i.e. drop structures, etc.)	CU YD	none		
	hydraulic structures, etc.)				
6" PVC Underdrain	Type 'C' Inlet	EACH	none		$ -
4' PVC Underdrain Service	Inlets Type R, 5'-10'-15' (select)	EACH	none		$ -
Cleanouts, Baffles	Inlets Type 13 - double, triple (select)	EACH	none		$ -
Culverts CMPs, Flared Ends	Storm Sewer RCPs, flared ends	LIN FT	none		$ -
Detention/Retention	Outlet Structure (incl. grates/orifice plates/etc.)	EACH	0		$ -
Existing engineered pond	Pond grading	CU YD	0		$ -
(owned & modified by others)	Trickle channel	LIN FT	0		$ -
is in-place and functioning to	Permanent Seeding	ACRE	0		$ -
serve entire mesa (Lot D-15).	Riprap (size)	CU YD	0	$ -	$ -
PRIVATE CIRCULATION	Construction Seal (Spray Oil)	SQ YD	8,000		$ -
Streets/Roads	Recycled Asphalt Pavement (3" thickness, 30' width, 5,372-ft)	TON	3,626		$ -
	Aggregate Base Course	CU YD	existing roadways		
	Fine Grading & Shaping	CU YD	existing roadways		

PUBLIC CIRCULATION	Trickle channel excavation/grade, 1000-ft length	CUYD	600	$ -	$ -
Stormwater Quality	Sand filter bedding, 9"depth x 8'width	CUYD	220	$ -	
	Filter fabric envelope, mulch/seed, 15'width	SQYD	1500	$ -	$ -
	Riprap (6-9", angular stone crushed on-site)	CU YD	280	$ -	$ -
PUBLIC CIRCULATION	Fine Grading & Shaping	CU YD	2000	$ -	$ -
Streets/Roads	Aggregate Base Course	CU YD	2000	$ -	$ -
	Special Structures (guardrail, etc.)	LIN FT	100	$ -	$ -
	Signs (street, stop, road name, traffic, etc.)	EACH	20	$ -	$ -
OTHER SITEWORK					
Water Systems	ALREADY IN-PLACE, City of Arvada				
Sewer Systems	INDIVIDUAL SEPTIC SYSTEMS				
Subsurface groundwater collection systems (on Private Property)					
Fire Protection	SERVICE PROVIDED BY NoTableMtn Fire Prot District				
			Subtotal		
			10% Contingency		
			TOTAL		

Prepared By (Print Name) Date Owner/Applicant (Print Name) Date

Approved- Jefferson County Date