



**Humboldt County Resource Conservation District
Salt River Ecosystem Restoration Project
2019 Construction**

Addendum #1

The purpose of this Addendum is to modify the Contract Documents for the subject project.

This Addendum shall become part of said Contract Documents.

Each bidder shall acknowledge receipt of this addendum in his/her bid proposal on page B-11 of the bid documents.

THE FOLLOWING ITEM REFERS TO PART 1 - BIDDING REQUIREMENTS:

Item 1. REVISION: Modify the following sentence on Page B-2:

The HCRCDD has the necessary site control for items of work in the Base Bid Schedule as shown on the plans. ~~however site control to construct the items of work in the Additive Bid Schedule has not been obtained, but may prior to contract award.~~

Item 2. REMOVE AND REPLACE PAGES B-10 AND B-11 WITH ATTACHED.

THE FOLLOWING ITEMS REFER TO PART 5 - TECHNICAL SPECIFICATIONS:

Item 3. REMOVE AND REPLACE MEASUREMENT AND PAYMENT SECTION (01 15 00) WITH ATTACHED.

Item 4. REMOVE AND REPLACE PROPOSED CONSTRUCTION SEQUENCE IN SUMMARY OF WORK (01 11 00-6) WITH THE FOLLOWING:



B. Proposed Construction Sequence:

	DESCRIPTION	Notes*	July	Aug	Sep	Oct	Nov	Dec
1	Mobilization and establish channel corridor access/temporary haul routes	(1) (2) (3)						
2	Install and uninstall coffer dams as necessary	(1) (2) (3) (4)						
3	Grub and Incidental Vegetation Clearing	(2)						
4	Channel excavation and off-haul sediment to application areas	(2) (4)						
5	Construct wood habitat structures	(2)						
6	Streambank Repair	(2)						
7	Install temporary rock grade control	(2)						
8	Install new fencing and gates throughout channel corridor	(2)						
9	Sediment Management Area (SMA) excavation and off-haul sediment to application areas	(2)						
10	Apply seed/mulch	(6)						
11	Place biodegradable mat	(5)						
12	Demobilization and final punch list items	(7)						
13	Site Stabilization per SWPPP Compliance							

***Construction Sequence Notes:**

1. Do not disturb existing aquatic habitats including ditches, channels and ponded water areas that have not been cleared by the biologist.
2. Pending results of pre-construction nesting and migratory bird surveys
3. Pending dry conditions - install temporary fencing and stabilized construction entrance/exits from County roads
4. Start date pending fish relocation
5. Biodegradable mat
6. Prior to onset of winter rain
7. All work shall be completed pursuant to project specifications. Contractor to refer to specifications for further information regarding timing and extent of environmental clearance, earthwork, water diversion, dewatering, erosion control, sediment hauling/application and all other requirements associated with this project.

Month	
	Work Window
	Work Pending Conditions (See Permits and Specifications)
1-14	15 Days of Month

THE FOLLOWING ITEM REFERS TO THE PLANS:

Item 5. REMOVE AND REPLACE SHEETS C-7, C-8, C-16, C-17, C-19, C-20, C-33, C-34, C-38, C-39, C-40, C-46, C-47, C-49, C-54 and C-65 WITH ATTACHED.

THE FOLLOWING ITEMS HAVE BEEN PROVIDED FOR INFORMATIONAL PURPOSES:

Item 6. INFORMATIONAL: The Engineer's project estimating sheet is being provided for reference purposes only and does not modify the bid schedule. The estimating sheet was developed by the design engineer solely to estimate the order of magnitude project costs for budgeting purposes. The estimating sheet was not intended to include all items and quantities of work. The estimating sheet is not consistent with the bid schedule and should not be relied upon for developing estimates for the bid schedule. With regard to bid items that require lump sum pricing, each bidder is responsible for estimating the quantities required based on the contract documents. AutoCAD drawings are made available to bidders to use for estimating quantities required for construction of the project.

Item 7. INFORMATIONAL: The Engineer's Estimate is \$1.6M



ATTACHMENTS:

- Pages B-10 and B-11
- Measurement and Payment (01 15 00)
- Revised Plan Sheets, Link to Download: <https://ghd.sendthisfile.com/2U6s94elfacxY1Dlq7DQuhkb>
- Project Estimating Sheet

END OF ADDENDUM NO. 1

A handwritten signature in blue ink, appearing to read "J. Svehla", is written over a horizontal line.

May 30, 2019

Jeremy Svehla, P.E.

Date

BASE BID SCHEDULE					
Item No	BASE BID: Item Description	QTY	Unit	Unit Price Bid	Total Bid for Line Item
1	Mobilization/Demobilization	1	LS		
2	Water Management, Dust/Erosion Control and Environmental Protection	1	LS		
3	Demolition, Debris Disposal and Salvage	1	LS		
4	Construction Surveying and Staking	1	LS		
5	Clearing and Grubbing	1	LS		
6	Channel Sediment Excavation for Native Backfill	1	LS		
7	Channel Sediment Excavation, Hauling, and Application - Area 3 (11,130 cubic yards, in situ)	1	LS		
8	Channel Sediment Excavation, Hauling, and Application - Area 4 (Remainder, approx. 4,420 cubic yards, in situ)	1	LS		
9	SMA Sediment Excavation, Hauling, and Application - Area 5 (1,860 cubic yards, in situ)	1	LS		
10	SMA Sediment Excavation, Hauling, and Application - Area 1 (6,080 cubic yards, in situ)	1	LS		
11	SMA Sediment Excavation, Hauling, and Application - Area 6 (1,910 cubic yards, in situ)	1	LS		
12	SMA Sediment Excavation, Hauling, and Application - Area 2 (Remainder, approx. 4,600 cubic yards, in situ)	1	LS		
13	Biodegradable Mat	1	LS		
14	Salt River LWD Constrictor	17	EA		
15	Salt River Log Cover Structure	2	EA		
16	Salt River Guide Log	23	EA		
17	Avian Habitat Log	24	EA		
18	Rock Slope Protection (Light Class) for Ditch Confluence Near Salt River Station 257+50	1	LS		
19	Salt River Streambank Repair	1	LS		
20	Rock Slope Protection for Salt River Grade Control	1	LS		
21	Fencing and Gates	1	LS		
22	Fiber Rolls	500	LF		
23	Seeding and Mulching	1	LS		
24	Temporary Shoring and Bracing	1	LS		
	TOTAL BASE BID (Items 1-24)				
	TOTAL BASE BID in Words:				

Awards will be made to the lowest, responsive, responsible, BIDDER that also meets the minimum requirements outlined in the Bidder's Qualification Summary. The low bidder shall be determined based on the TOTAL BASE BID.

Additional bid items may be added prior to award or as a change order during the project and the bid amounts shown here shall be the agreed upon contract amount for the work.

It is further understood and agreed that the HCRCD reserves the right to eliminate any section of this proposal from the Contract without claim of the Contractor for profits lost.

Submitted By (Company) _____ Date _____

Name (Written) _____ Signature _____

Receipt of the following Addenda is acknowledged:

The representations made herein are made under penalty of perjury.

Respectfully submitted:

Signature

Title

License Number

Date

License Expiration Date

(SEAL - If Bid is by Corporation)

SECTION 01 15 00

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 GENERAL

- A. Unless otherwise specified in other individual sections of these specifications, quantities of work shall be determined from measurements or dimensions in horizontal planes.
- B. Units of measurement shall be in accordance with U.S. Standard Measures.
- C. See the general conditions for special provisions related to progress payments and payment schedule to the contractor.
- D. The measurement and payment items are listed below:
 - 1. Pay Item Quantities- All bid Item List quantities are shown in the Bid Schedule as final pay items for payment purposes only. For a final pay item, accept payment based on the Bid Item List quantity, to achieve the lines and grades shown on the plans, regardless of actual quantity used unless dimensions are changed by the Construction Manager.
 - 2. The payments to the Contractor are based on the following items. It is the intent that the scope of the description of the following items encompasses the entire scope of the work as shown on the plans and described in the specifications. The bid amounts shall be for complete in place installations.
 - 3. Any other work shown on the plans and not specifically mentioned/described in the following bid items will be paid under Bid Item No. 1.

1.02 BASE BID SCHEDULE

ITEM 1. MOBILIZATION/DEMobilIZATION

Measurement for this item shall be on a LUMP SUM basis. Payment shall correspond to percent complete as confirmed by the Construction Manager and described in this bid item below. This Work covers all Contractor costs and effort associated with mobilizing equipment, materials, and labor to the project site as well as demobilization of the same for the base bid schedule. The incremental mobilization/demobilization costs associated with any additive bid items will be covered in those items, if awarded. Items covered by this item include, but are not limited to, bonds, insurance, contracting and administrative and permitting costs, equipment mobilization to the work areas, temporary facilities and utilities, gravel access roads, temporary culverts, temporary fencing and construction entrances, punch list items, repairs of damaged property, site cleanup, final site restoration, road repairs and project maintenance and warranty.

- 1. This Bid Item also covers all Contractor costs and effort associated with providing traffic control measures as described in these Specifications, the Plans, and Contractor obtained encroachment permit. Items covered by this include, but are not limited to, labor, materials, equipment, and other expenses for complete traffic control throughout the length of the project including times when the Contractor is not working on site. Included are notifications, road closures and detours, flaggers as necessary, and all other materials and equipment needed to temporarily control traffic throughout the project.

2. This Bid Item also covers the development of the Project Approach Plan submittal. The Project Approach Plan will define the overall approach the contractor proposes to take to complete the work associated with the contract documents. It also includes any revisions based on owner or agency comments.
3. When 10 percent of the total original Contract amount is earned from bid items, excluding amounts paid for materials on hand, 50 percent of the amount of the bid price for mobilization/demobilization will be paid for mobilization/demobilization. Upon completion of all Work on the project, payment of the balance of the bid amount for mobilization/demobilization will be paid.
4. Any other work shown on the plans and not specifically mentioned/described in the following bid items will be paid under mobilization/demobilization.

ITEM 2. WATER MANAGEMENT, DUST/EROSION CONTROL AND ENVIRONMENTAL PROTECTION

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to construct and manage facilities and work associated with water meeting permit requirements including control, diversion and disposal of water. Items covered by this include, but are not limited to, cooperation with CDFW biologists, installation of fish screens, cofferdams, diversion piping and sediment basins as needed, dewatering pumps, hoses and tanks, dewatering bags, and disposal of water. This item also includes maintenance and removal of water management system. This item also includes routine dust suppression, maintenance of existing construction entrances, tire cleaning stations as needed to prevent tracking, and cleaning of public roads. This Work covers all Contractor costs and effort associated with obtaining construction water from approved sources, applying water to prevent fugitive dust, and as-needed routine street sweeping/vacuuming on County roads to comply with project permits. This item covers all Contractor costs and effort associated with providing erosion/sediment control BMPs, complying with the Storm Water Pollution Prevention Plan (SWPPP) and performing all necessary inspections and adjustments to the BMPs to comply with the SWPPP and compliance with all applicable local, regional and federal laws, protection of cultural and historic resources, and all other environmental protection measures shall be considered incidental to this item and includes all erosion control items necessary to comply with the SWPPP which are not covered under Bid Item No. 13, 22 and 23.

ITEM 3. DEMOLITION, DEBRIS DISPOSAL AND SALVAGE

Measurement for this item shall be on a LUMP SUM basis. Payment shall correspond to percent complete as confirmed by the Construction Manager. This Work covers all Contractor costs and effort associated with all demolition shown on the plans or required to complete the work shown on the plans, and the removal and disposal of deleterious materials encountered during construction. This includes waste, refuse, and fencing to be removed as shown on the plans, as well as materials removed as part of the demolition as shown on the plans. This also includes the removal, and disposal of additional deleterious materials that may be encountered during construction such as fence material, tires, piping, culverts, bottles, metals, abandoned water piping, appliances, and other waste. Actual quantity is unknown but is estimated to be approximately 20 cubic yards of material. This bid item and quantity does not include woody debris or rocks encountered during the work, which is covered elsewhere in the bid schedule.

ITEM 4. CONSTRUCTION SURVEYING AND STAKING

Measurement for this item shall be on a LUMP SUM basis. Payment shall correspond to percent complete as confirmed by the Construction Manager. This Work covers all Contractor costs and effort associated with providing construction staking, establishing control and project layout as described in these Specifications and as required to meet the

requirements of the plans. Items covered by this item include, but are not limited to, labor, materials, equipment, and other expenses required to stake the alignment and grades, project features and improvements, grubbing limits and all other areas as required to construct the work.

ITEM 5. CLEARING AND GRUBBING

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to clear, grub and chip all stumps, roots, logs, and other woody debris encountered on the surface or subsurface where shown on the plans or as required to complete the work. The cleared and grubbed material shall be chipped, hauled to designated onsite stockpiles shown on the plans, and the remainder volume hauled and stockpiled in the Staging Area shown on the plans. This bid item also includes the incidental clearing of areas encountered in the field that require clearing prior to grubbing, hauling and chipping this material and placing in designated areas.

ITEM 6. CHANNEL SEDIMENT EXCAVATION FOR NATIVE BACKFILL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the sediment excavation, placement, compaction and testing of approved native backfill as required to achieve the lines and grades within the grading limits in accordance to the requirements as shown on the plans and as described in the specifications. Contractor shall assume that not all sources of onsite excavated sediment adjacent to native backfill areas will be suitable for approved native backfill.

ITEM 7. CHANNEL SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 3 (11,130 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the sediment excavation, processing, hauling, and application of Agricultural Application Sediment in accordance to the requirements as shown on the plans and as described in the specifications. This bid item also includes the construction and deconstruction/restoration of construction accesses and placement of erosion/sediment control BMPs as may be needed by the contractor at the application area, but which are not covered under Item 1. Bid Item 7 includes all finished grading of project areas as required to achieve the required lines and grades.

ITEM 8. CHANNEL SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 4 (REMAINDER, APPROX. 4.420 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. The specific measurement and payment requirements for this item shall be the same as for Item 7. The quantity under this bid item shall be the total required excavated material meeting the Agricultural Application Sediment specifications minus the Agricultural Application Sediment required amounts hauled to Area 3. The total required is a function of the existing and finished grades, the amount of material grubbed, native backfill and other factors.

ITEM 9. SMA SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 5 (1,860 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the sediment excavation from the Sediment Management Area (SMA), processing, hauling, and application of the sediment meeting the Agricultural Application Sediment specifications in accordance to the requirements as shown on the plans and as described in the specifications. Vegetation removed within the excavation limits that does not meet the Agricultural Application Sediment requirements may be buried within the SMA below elevation 9 feet. This bid item also includes the construction and deconstruction/restoration

of construction accesses and placement of erosion/sediment control BMPs as may be needed by the contractor at the application area, but which are not covered under Item 1.

ITEM 10. SMA SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 1 (6,080 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. The specific measurement and payment requirements for this item shall be the same as for Item 9.

ITEM 11. SMA SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 6 (1,910 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. The specific measurement and payment requirements for this item shall be the same as for Item 9.

ITEM 12. SMA SEDIMENT EXCAVATION, HAULING, AND APPLICATION – AREA 2 (REMAINDER, APPROX. 4,600 CUBIC YARDS, IN SITU)

Measurement for this item shall be on a LUMP SUM basis. The specific measurement and payment requirements for this item shall be the same as for Item 9. The quantity under this bid item shall be the total required excavated material meeting the Agricultural Application Sediment specifications minus the Agricultural Application Sediment required amounts hauled under Item 9, 10 and 11. The total required is a function of the existing and finished SMA grades and the amount of vegetative material.

ITEM 13. BIODEGRADABLE MAT

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the installation of the biodegradable mat as shown on the plans and as required by the specifications.

ITEM 14. SALT RIVER LWD CONSTRICTOR

Measurement for this item shall be on an EACH basis installed. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the construction of the log structure. This includes the contractor to furnish the logs in accordance to the plans and specifications.

ITEM 15. SALT RIVER LOG COVER STRUCTURE

Measurement for this item shall be on an EACH basis installed. The specific payment requirements for this item shall be the same as for Bid Item 14.

ITEM 16. SALT RIVER GUIDE LOG

Measurement for this item shall be on an EACH basis installed. The specific payment requirements for this item shall be the same as for Bid Item 14.

ITEM 17. AVIAN HABITAT LOG

Measurement for this item shall be on an EACH basis installed. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the construction of the log structure. This includes segregating and selecting the appropriate logs during site clearing from onsite sources, hauling to the installation location, placement and related work required.

ITEM 18. ROCK SLOPE PROTECTION (LIGHT CLASS) FOR DITCH CONFLUENCE NEAR SALT RIVER STATION 257+50

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to excavate, off-haul material to application area, place rock as shown on the plans or as required to meet the intent of the plans and as required in the specifications. Materials include, but are not limited to geotextile fabric and rock necessary to meet the intent as shown on the plans

and as required by the specifications.

ITEM 19. SALT RIVER STREAMBANK REPAIR

Measurement for this item shall be on an LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the Salt River Channel Bank repair as shown on the plans. The Lump Sum bid price for this item shall include coordination, water management, fence removal/replacement, excavation, fabric placement, rock placement, drain rock placement, native soil placement/compaction/testing, biodegradable mat, import/off-haul soil, seed application and all other work associated with the repair.

ITEM 20. ROCK SLOPE PROTECTION FOR SALT RIVER GRADE CONTROL

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to excavate, off-haul material to application area, place rock as shown on the plans or as required to meet the intent of the plans and as required in the specifications. Materials include, but are not limited to geotextile fabric, rock, salvaged rock from the existing grade control necessary to meet the intent as shown on the plans and as required by the specifications.

ITEM 21. FENCING AND GATES

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the installation of the permanent exclusion fencing and gates to meet the intent as shown on the plans and as required by the specifications.

ITEM 22. FIBER ROLLS

Measurement for this item shall be on a LINEAR FOOT basis measured along the top of a single fiber roll. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to install and maintain the fiber rolls during site stabilization and per satisfaction of the Construction Manager and as shown on the plans and as required by the specifications and SWPPP compliance. No additional payment will be paid for maintained/replaced fiber rolls.

ITEM 23. SEEDING AND MULCHING

Measurement for this item shall be on an LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the seeding and mulching as shown on the plans and as required in the specifications. The Lump Sum bid price for Seeding and Mulching shall include coordination, soil preparation, seed application, mulching, inspections and shall include all supervision, labor, material, equipment, supplies, and incidentals, required for performing all incidental and related work involved in seed and mulch applications including but not necessarily limited to cooperation with the third party Landscape Contractor, seed mixing, applications, irrigation as needed for seed germination and growth until acceptance of SWPPP Notice of Termination (NOT); furnishing and installing supplemental seed, mulch and all other work necessary to establish vegetative cover over seed application areas shown on the Plans.

ITEM 24. TEMPORARY SHORING AND BRACING

Measurement for this item shall be on a LUMP SUM basis. Payment shall include full compensation for all materials, labor, equipment and supervision necessary to complete the installation of the temporary shoring as necessary to construct the project in accordance to the plans and specifications.

PART 2 PRODUCTS [NOT USED]

PART 3 EXECUTION [NOT USED]

END OF SECTION 01 15 00



Salt River Ecosystem Restoration Project
Salt River Channel & Riparian Floodplain Corridor Restoration
Quantity Estimates Based on 100% Complete Design Dated May 2019
Prepared for: Humboldt County Resource Conservation District
May 2019

Base Bid - Construction 2019

Item No	Item Description	Quantity	Unit
1	Mobilization and Demobilization	1	LS
	Traffic Control and County Roads Rehabilitation	1	LS
	Temporary Sign - Trucks Entering/Exiting Area (Furnish, Install, and Remove)	14	EA
	County Road Rehabilitation (Fulmor Paving, Aggler Gravel)	1	LS
	Install Contruction Entrances and Turnout	7	EA
	Fence Relocation	3,100	LF
	Install Contrustion Access Road, 16 ft Wide	100	LF
	Protect Underground Irrigation Crossings with Steel Plates	1	LS
	Existing Fencing to be Removed by Others	1	LS
	Other	1	LS
2	Water Management, Dust and Erosion Control and Environmental Protection	1	LS
	Coffer dam	6	EA
	Erosion, Sediment Control, Dust Control and Street Sweeping - General (Includes water purchase from L/O)	1	LS
	Other	1	LS
3	Demolition, Debris Disposal, and Salvage	1	LS
	Remove Max 20 CY Misc Refuse	1	LS
	Other	1	LS
4	Construction Surveying and Staking	1	LS
	Other	1	LS
5	Clearing and Grubbing	1	LS
	Clearing and Grubbing	5.60	AC
	Other	1	LS
6	Channel Sediment Excavation for Native Backfill	10,000	CY
	Other	1	LS
7	Channel Sediment Excavation, Hauling, and Application - Area 3	11,130	CY
	Other	1	LS
8	Channel Sediment Excavation, Hauling, and Application - Area 4 (Remainder)	4,420	CY
	Other	1	LS
9	SMA Sediment Excavation, Hauling, and Application - Area 5	1,860	CY
	Other	1	LS
10	SMA Sediment Excavation, Hauling, and Application - Area 1	6,080	CY
	Other	1	LS
11	SMA Sediment Excavation, Hauling, and Application - Area 6	1,910	CY
	Other	1	LS
12	SMA Sediment Excavation, Hauling, and Application - Area 2 (Remainder)	4,600	CY
	Other	1	LS
13	Biodegradable Mat	15,000	SY
	Other	1	LS
14	Salt River LWD Constrictor (Contractor Furnished Wood)	17	EA
	Other	1	LS
15	Salt River Log Cover Structure (Contractor Furnished Wood)	2	EA
	Other	1	LS
16	Salt River Guide Log Structure (Contractor Furnished Wood)	23	EA
	Other	1	LS
17	Avian Habitat Log	24	EA
	Other	1	LS
18	Rock slope protection (Light Class) for Ditch Confluence Near Salt River STA 257+50	1	LS
	Light Class RSP	90	TON
	Incidental Excavation and offhaul to application area for RSP placement	50	CY
	Fabric (Non-woven)	67	SY
	Other	1	LS
19	Salt River Streambank Repair	1	LS
	Light Class RSP	217	TON
	Drain Rock (1" minus angular crushed)	53	CY
	Incidental Excavation and offhaul to application area (approx, not a product of survey)	170	CY
	Native Fill	82	CY
	Fabric (Non-woven)	867	SY
	Other	1	LS
20	Rock Slope Protection for Salt River Grade Control	1	LS
	Remove 20178Rock Grade Control	1	LS
	Remove 1/4 Ton RSP	280	TON
	Remove and dispose existing non-woven rsp fabric, biodegradable mat and metal staples	500	SY
	Installation of Temporary Rock Grade Control	1	LS
	RSP (Facing Class) for Grade Control Drain	60	TON
	RSP (1/4 Ton and 6" Minus) for Rock Chute	950	TON
	RSP (Facing Class) for Overflow Outlet	550	TON
	Incidental Excavation and offhaul to application area for RSP placement	850	CY
	Fabric (Non-woven)	1000	SY
	Other	1	LS
21	Fencing and Gates	1	LS
	Type 1	2,500	LF
	Type 2	4050	LF
	Type 3	850	LF
	Temp Fence (to match existing being moved)	2,570	LF
	Other	1	LS
22	Fiber Roll	500	LF
	Other	1	LS
23	Seeding and Mulching	1	LS
	Freshwater Seed Mix and Straw Mulch	20	Acre
	Organic Pasture Mix and Straw Mulch	15.5	Acre
	Other	1	LS
24	Temporary Shoring and Bracing	1	LS
	Other	1	LS