desert conservation
PROGRAM

February 5, 2016

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGAM PROJECT COMPLETION NOTIFICATION:
GEOTECH & CONCEPTUAL GRADING RECOMMENDATIONS
FOR MUDDY RIVER RESERVE PARCEL A, B,E
2013-STILLWATER-1446A

The work for the above referenced project has been completed. Please see the attached for all project related information.

The purpose of the above referenced project was:

The purpose of this project was to determine the most desirable soil layer that will support a self-sustaining planting area and provide recommendations for soil removal that will maximize the creation and enhancement of riparian and wetland habitat with minimum costs at the site.

The major accomplishment or findings of this project include:

The major accomplishment of this project provided recommendations for a hydraulic analysis and development of a grading plan and planting plan to support a pilot restoration project on the Muddy River Reserve Unit. The findings of the geotechnical analysis include:

- Potential for slope instability issues and recommendations for slope-stability measures. Consultant recommends the use of deep-rooted vegetation to augment slope stability and use of biofabrics or rock riprap.
- Presence of moderately alkaline soil conditions with moderate salinity conditions and high presence of lime. These conditions will limit the types of plants that can be successfully used in the restoration project. Consultant provides recommendations for species that will be more tolerant of these soil conditions and also recommends consideration of soil amendments to improve planting suitability.

- Depth to groundwater fluctuates seasonally. Consultant recommends that the grading plan lower the floodplain to bring the planting surface closer to the water table. Consultant further recommends that DCP continue to monitor groundwater levels for one year to fully assess water table fluctuations.
- Consultant provides preliminary recommendations for a grading plan, which would include creating an arcuate, semi-circle planform shape that would extend south-westward from the right-bank side of the river channel. Consultant further recommends that the surrounding land surface be sloped towards the wash channel and that the river banks and floodplain be lowered.

For more information about this project and/or for other Project Reports or Symposium Reports, please visit our website at: http://www.clarkcountynv.gov/Depts/dcp/Pages/default.aspx

If you have any questions, please contact Kimberley Jenkins at (702) 455-5529.

Sincerely,

Marci D. Henson
Program Manager

cc:

US Fish and Wildlife Service
Board of County Commissioners (7)
Permittees' Executive Committee
Permittees' Process Management Group
Thomas Boldt, Purchasing
Catherine Jorgenson, District Attorney – Civil Division
Desert Conservation Program Community Advisory Committee
Desert Conservation Program Interested Parties List
Multiple Species Habitat Conservation Plan Implementing Agencies
Science Advisor
SNPLMA Office (for SNPLMA projects)
Congressional Office
DCP Staff

DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTICE

Date of Issuance: 2/4/2016

General Project Information

Project Category		Conservation
Compliance Category		9c-Restoration/Rehabilitation
Project Level		Level 3
Project Title		Geotech & Conceptual Grading Plan Rec
Project Number		2013-STILLWATER-1446A
Contractor		Stillwater Sciences
Contractor Person of Contact		Glen Leverich
Contractor Project Manager		Glen Leverich
DCP Project Manager		Kimberley Jenkins
DCP Person of Contact/Contract Manager		Heather Green
Competitive Award or Sole Source		Sole Source
Contract Start Date		05/01/2015
Purchase Order Number		4800006732-004
Contract End Date		08/31/2015
Commissioner & District	B	Marilyn Kirkpatrick
Congressional Rep & District	D4	Steven Horsford

Financial Breakdown

Funding Source	SNPLMA R14
Original Contract Amount	$22,324.00
Total Change Request Amount	0.00
Revised Contract Amount (Original Award plus Change Requests)	$22,324.00
Funds Not Used in Contract	0.00
Final Payout Amount	$22,324.00

Performance Information

Total Number of Change Requests	0
Number of Change Requests by Contractor	
Number of Change Requests by DCP	
Total Number of Deliverables	3
Number of Deliverables Accepted	3
Number of Deliverables Rejected	0
Number of Delinquent Deliverables	0
Total Number of Milestones	3
Number of Delinquent Milestones	0
Number of Milestones Met on Time	3
Total Number of Invoices Submitted	2
Number of Rejected Invoices	1