

Granger Lake Slope Stabilization Construction Services

Presented by
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Central & Lower Basin Regional Manager



Project Purpose

- Mitigate the erosion and stabilize the shoreline and slope adjacent to the East Williamson County RWS pump station to protect the building and its appurtenances (access road, security fence, and water line) by hard armoring the slope.
- Replace the concrete apron and surrounding sidewalks around the intake structure.













Summary of Work

- Clearing vegetation from the slope
- Limited excavation and grading to access the shoreline as necessary to complete construction of the shoreline stabilization system
- Installation of soil nail and shotcrete wall
- Installation of fabric formed concrete mattress
- Installation of concrete apron and downspouts around the structure
- Site restoration
- Closeout activities





Example of fabric formed articulating concrete block mattress installation

Example of shotcrete being used for slope stabilization





USACE Coordination

- Coordination is ongoing with the Corps for approval/compliance with the following items:
 - Mitigation Plan (will be going out for a separate RFB)
 - Nationwide Permit 13 Pre-Construction Notification Application
 & Section 408 Coordination
 - Easement Amendment



Bid Process & Timeline

- Friday, August 26, 2022: Bid Advertisement
- Wednesday, September 7, 2022: Mandatory Pre-Bid/Site Visit Meeting
- Monday, September 19, 2022: Bids Due at 10:00 a.m.
- Monday, September 19, 2022: Bid Opening at 2:00 p.m.

GeoStabilization International	Austin Filter System	Dalrymple Gravel & Contracting Co.
\$1,578,745	\$1,663,007	\$2,231,826



"BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to negotiate and execute a contract with GeoStabilization International for construction services required to complete the Granger Lake Slope Stabilization Project for an amount not to exceed \$1,737,000.

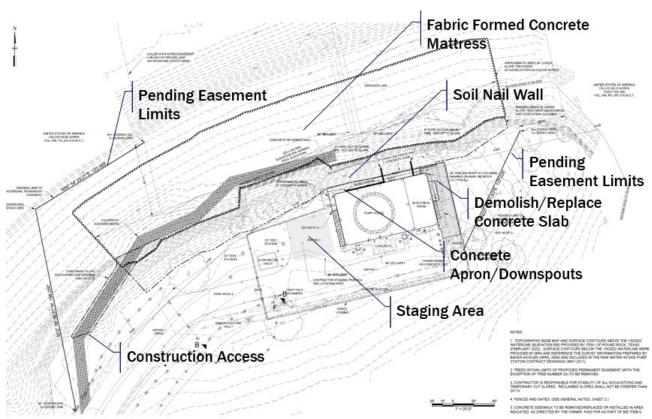
BE IT FURTHER RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to approve Change Orders as deemed appropriate by the General Manager/CEO, subject to the aforementioned not to exceed value.







Final Design





Schedule

Estimated Notice to Proceed: <u>TBD (USACE Approval)</u>

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Project Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Notice to Proceed																																
General Project Submittals				П																												
SWPPP Preparation/Review/Approval																																
Synthetix Shop Drawings																																
Synthetix Engineer Approval																																
Synthetix Manufacturing																																
Soil Nail Wall Submission Prep																																
Soil Nail Wall Engineering Approval																																
Site Mobilization																																
Site Clearing/Grading																																
Soil Nail Wall Construction																																
Synthetix Mattress Construction																																
Concrete Apron/Downspouts																																
Site Cleanup/Substantial Completion																																
Demobilization																																
Project Closeout Activities																																

Pre-Construction Activities Construction Activities Post Construction Activities -