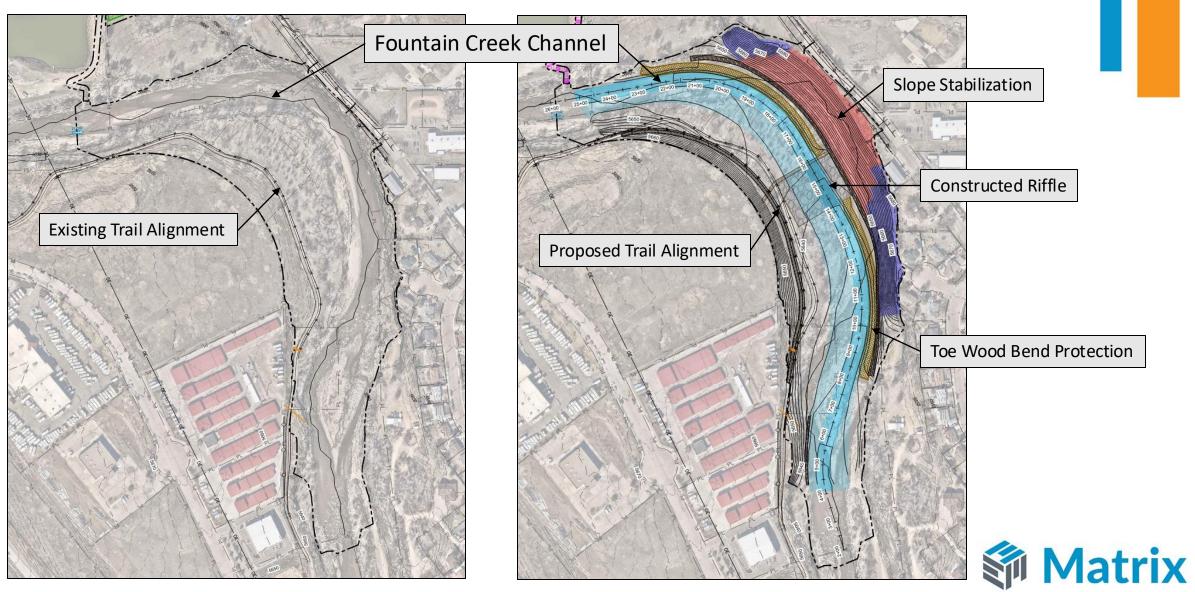
Southmoor Drive Channel Stabilization Tori Mack, PE



Project Layout



Project Components



Pre-Construction











Construction



Construction Status

- Channel Diversion
- Bank Construction
- Terrace Toe Protection
- Installation of Riffle
- All Toe Wood Delivered

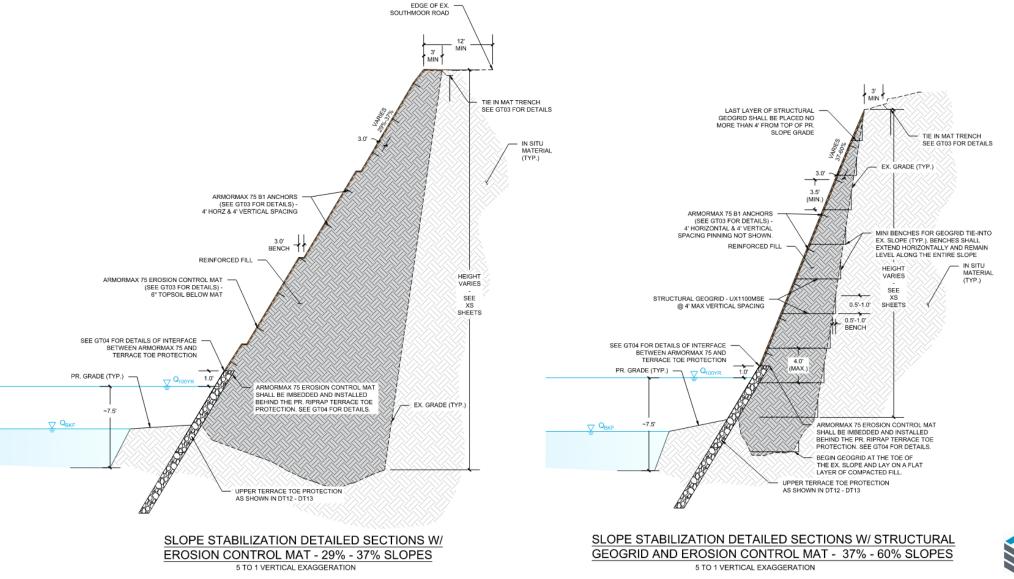




Channel Diversion



Bank Stabilization





Bank Stabilization



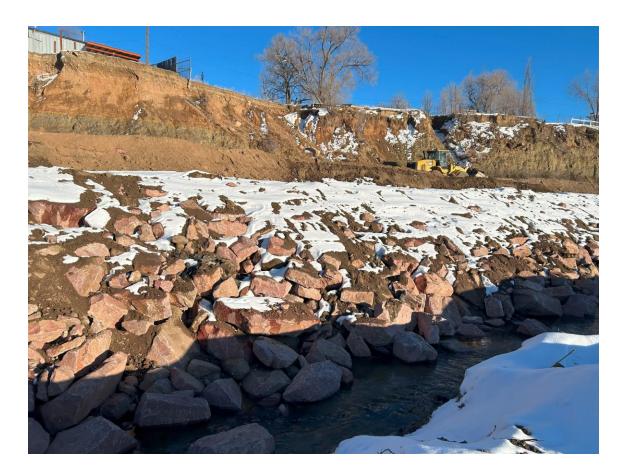
Installation of geogrid





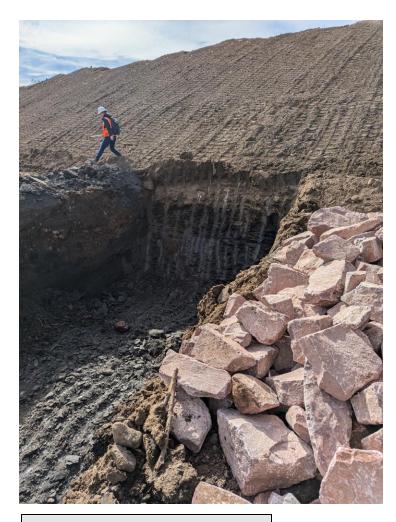
Terrace Toe Protection







Constructed Riffle Installation

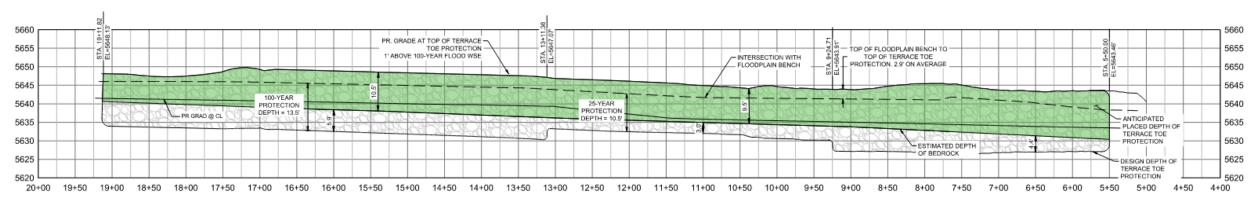


Eastern end of riffle sill





Depth to Bedrock

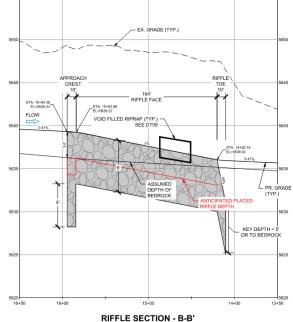


TERRACE TOE PROTECTION AS SHOWN ON 100% PLANS

	100% De	Anticipated Placed Material, Engineer's Estimate			Antici Contra	Anticipated Savings from 100%						
	Quantity (TN)	Cost	Quantity (TN)		Cost	Quantity (TN)	Cost			Design Estimate		
Terrace Toe Protection	9,833	\$ 909,552.50	6,638	\$	614,015.00	6,561 to 6,661	\$606,892.50 to \$616,142.50		\$	293,410.00		
Riffle	13,180	\$ 1,604,665.00	6,624	\$ 806,472.00					\$	798,193.00		
Unit Costs: Terrace Toe Protection Riprap = \$92.50/TN								Total	\$	1,091,603.00		
	Riffle Riprap = \$121.75/TN											

Estimate dated 1/7/25

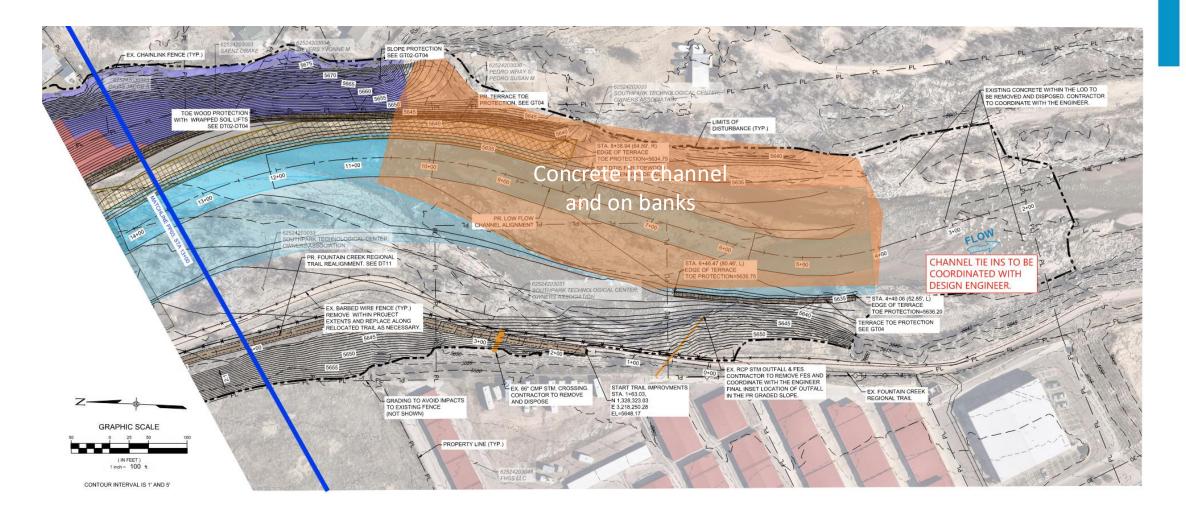




AT LOW FLOW VERTICAL CHANNEL ALIGNMENT EXAGGERATION 10:1

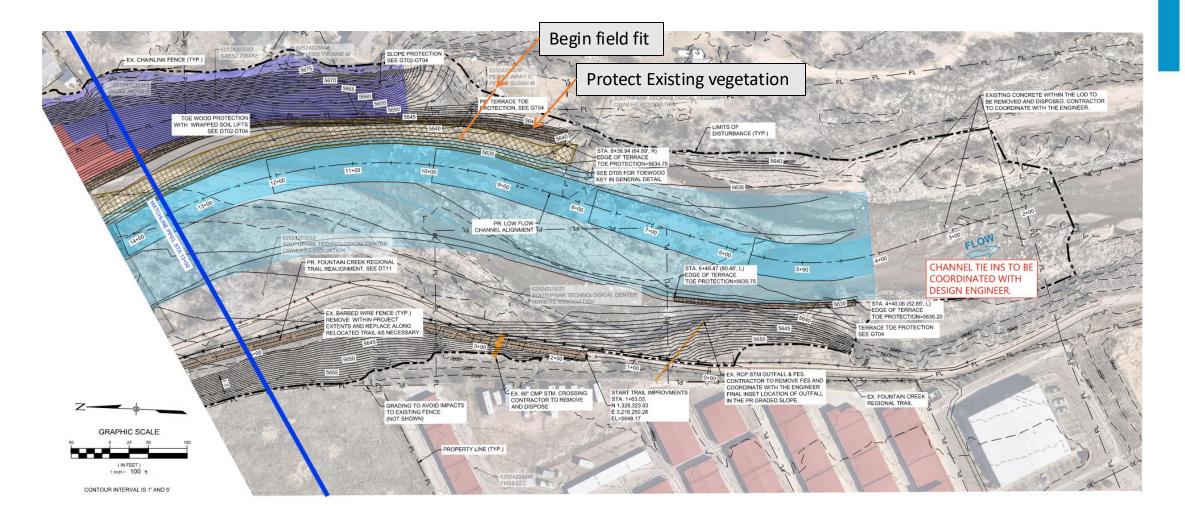
12

Concrete in Channel





Concrete in Channel





Construction Costs

Value of Work Completed through Dec 2024	\$1,715,055
Balance to Finish Work	\$4,552,668
Total Contract Amount	\$6,267,724

As of Dec Pay App

- 20% Contract value complete
- \$1,715,055 completed to date

Cost Adjustments

- Cost of additional material import
- Reductions in riprap quantities
- Modifications to the trail







Anticipated Construction Completion: May 30, 2025 Begin warranty and 5-year monitoring period

SOUTHMOOR DRIVE FOUNTAIN CREEK CHANNEL STABILIZATION SCHEDULE

					Nov	/ 24' Dec		: 24'	Jan	25'	fe	b 25'	Mar 25'		Apr 25'		May	/ 25'
Activity II	Activity Name	Original Duration	Early Start	Early Finish	1-15	16-31	1-15	16-30	1-15	16-31	1- 5	16-28	1-15	16-31	1-15	16-30	1-15	16-30
SOUTHMOOR DRIVE FOUNTAIN CREEK CHANNEL STABILIZATION																		
A1000	Pre-construction Meeting	1	5-Nov-24	5-Nov-24														
A1010	Mobilization	7	11-Nov-24	17-Nov-24														
A1020	Erosion and Sediment Control	170	3-Dec-24	20-May-25														
A1030	Clearing and Grubbing	15	4-Dec-24	19-Dec-24														
A1040	Water Control and Dewatering	134	17-Dec-24	30-Apr-25														
A1050	Earthwork - Cut/Fill Onsite &I Import Soil	64	17-Dec-24	19-Feb-25														
A1060	Terrace Toe Protection	32	17-Dec-24	16-Jan-25														
A1070 Cut Bank Stabilization		43	17-Dec-24	27-Jan-25														
A1080 Construction Riffle		30	13-Feb-24	15-Mar-25														
A1090	Toe Wood Root Wad, Foundation & Soil Lifts	42	20-Jan-24	2-Mar-25														
A1100	Trail Base	5	15-May-24	20-May-25														
A1110	Plantings and Revegetation	115	20-Jan-25	15-May-25														
A1120	Divert Creek to New Channel	1	24-Apr-25	25-Apr-25														
A1130	Demobilization	5	20-May-25	24-May-25														
A1140	Start Maintanace and Warranty 2 Years	1	30-May-25	30-May-25														



4-Feb-25



Questions

