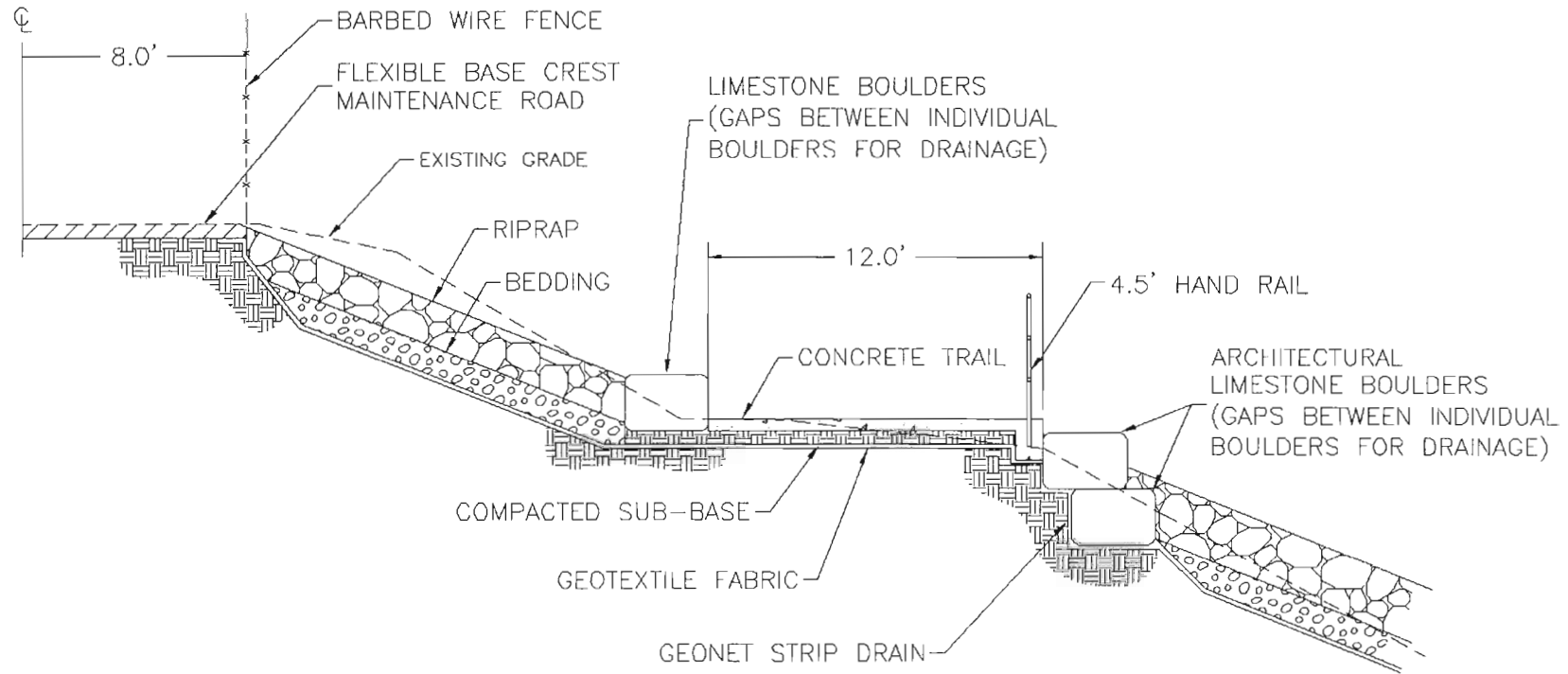


## Dam 7 Modernization: Regional Trail Replacement

### Conceptual Design Detail



**NOTE on DRAINAGE:** Rainfall which filters into the riprap and bedding layers upslope from the trail will be able to drain freely through the joints between the limestone boulders and across the top of the trail. The geotextile fabric will prevent this water movement from eroding the embankment under the trail. The contributing area per unit length of trail is very small. Any subsurface waters that build pressure in the embankment below the trail will be allowed to freely drain through the joints in the downslope boulders. A strip drain is provided below these boulders to prevent any water pressure from acting on the boulders. This water movement is filtered by the geotextile fabric and strip drains so no erosion can take place.



**Upper Brushy Creek WCID Dam 7 Modernization Project**  
**Regional Trail Replacement**  
**Opinion of Probable Construction Cost - Preliminary Design**

REGIONAL TRAIL REPLACEMENT					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1	Foundation Preparation and Compaction	1,900	SY	\$ 25	\$ 47,500
2	Concrete Trail (12' Wide)	1,700	LF	\$ 115	\$ 195,500
3	Concrete Integral Color Stain	390	CY	\$ 10	\$ 3,900
3	Concrete Slab Finish	2,300	SY	\$ 2	\$ 4,600
4	Architectural Limestone Boulders	1,700	LF	\$ 40	\$ 68,000
5	Handrail (4'-6" Tall to match existing)	1,700	LF	\$ 120	\$ 204,000
SUBTOTAL:				\$	523,500
CONTINGENCY:				25%	\$ 130,900
TOTAL:				\$	654,400

**THIS DOCUMENT IS RELEASED FOR PURPOSE OF INTERIM REVIEW. IT IS NOT TO BE USED FOR CONSTRUCTION OR BIDDING PURPOSES.**

Riprap Assessment Photos – Regional Trail











6" 10' 6"

Cont. Curb, Concrete, Ref. Det. 2/30-07, Ref. Det. 3/3-01

Re 1/3001 for finish

Re 1/12" ac EW

6" 12" Horiz. Max

3 1/2"

1" 6"

8" Horiz.

Work Point E 1529.25', Unless noted otherwise

Existing Stone Layer

Existing FM

1" Graded Crushed Stone Landing bed

1" 6" Cobble Mort. Macadam or approved Eq. FM w/ 3 to 5" Gravel

3'x5' Cont Cobble, Macadam or approved Eq. FM w/ 3 to 5" Gravel

Constant Pk. Layer separation, See Gen'l Notes

20 Jan 01

1	WALKWAY DETAIL
9-01	

SCALE: 1/4" = 1'

Sheet S-01



## Existing Trail Features

