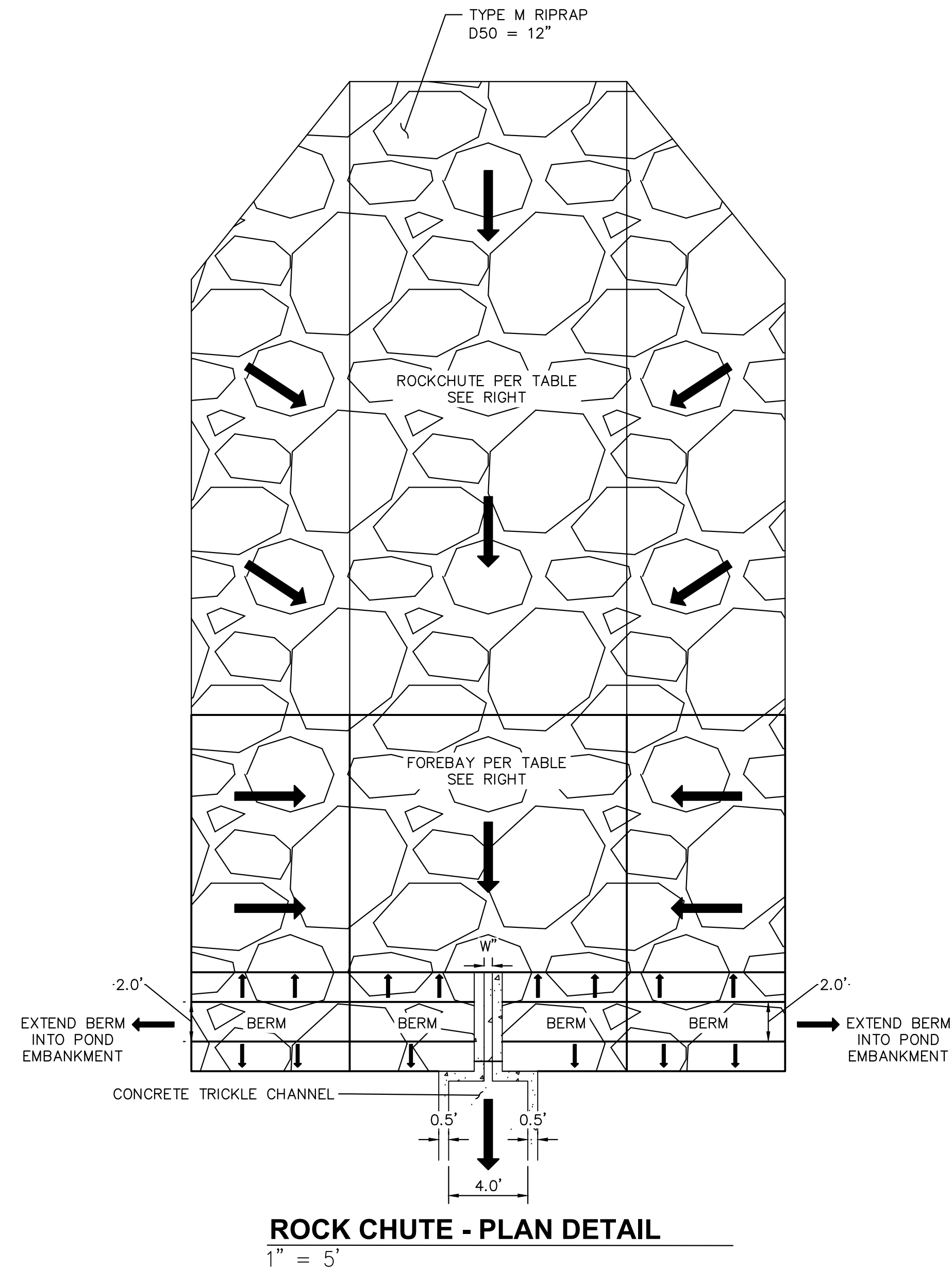
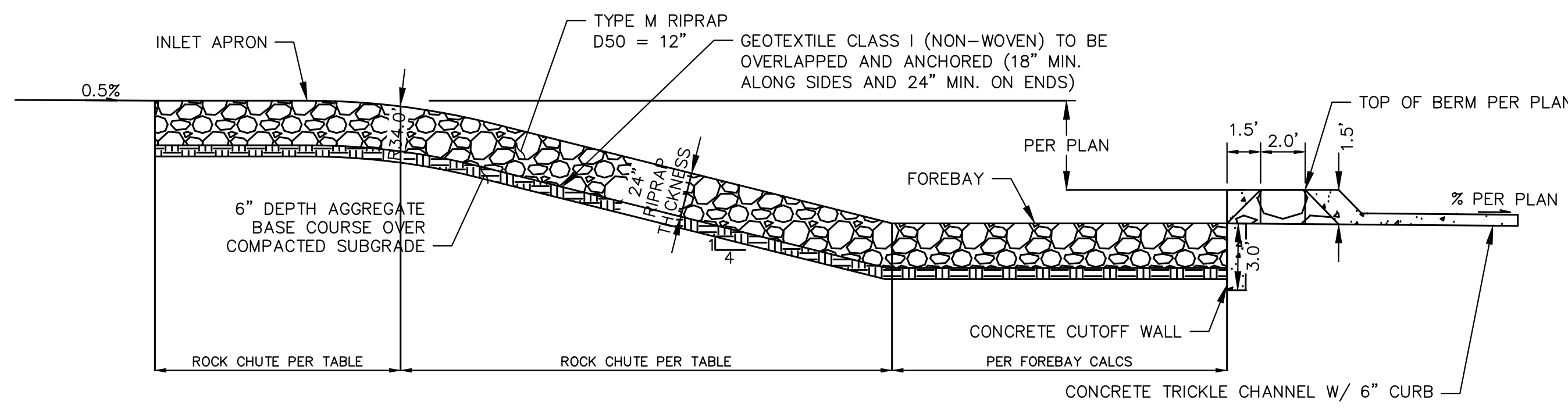
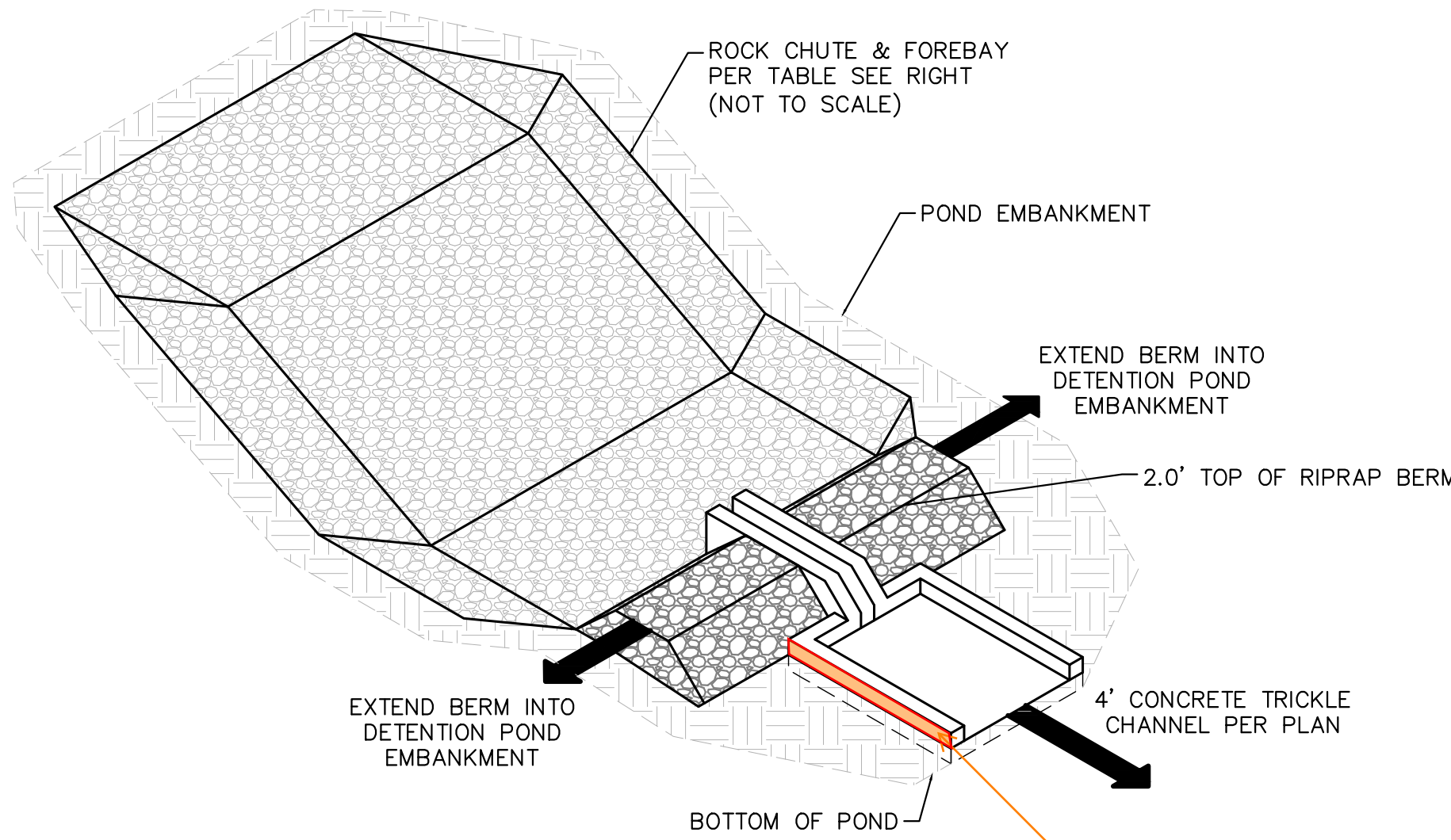


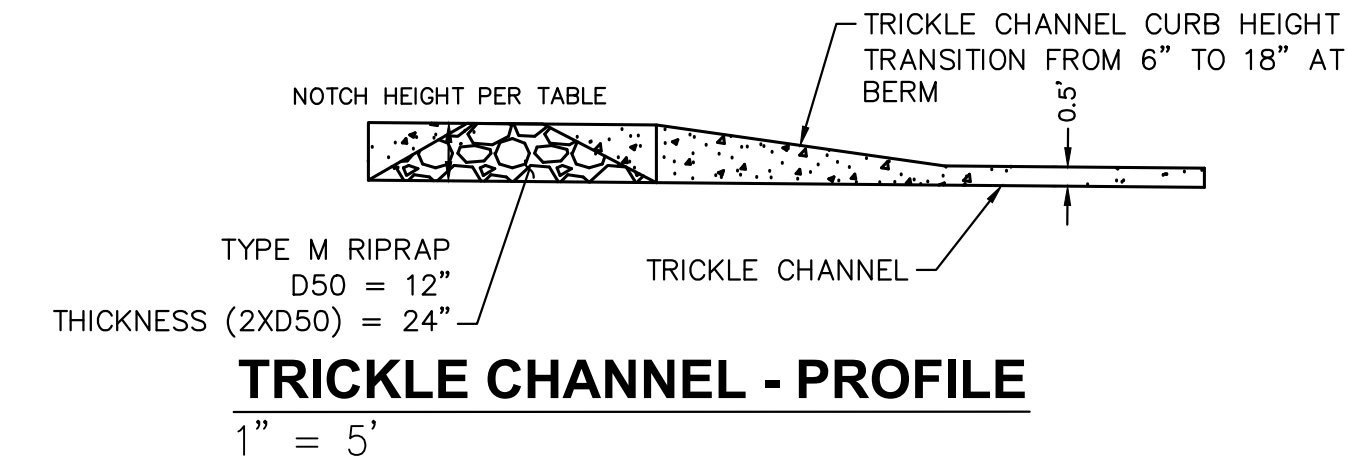
k:\cos_civil\196286000_eagleview\CADD\plansheets\CDs\CD ROCK CHUTE DTL.dwg Schnelbach, Ryan 8/22/2024 1:32 PM



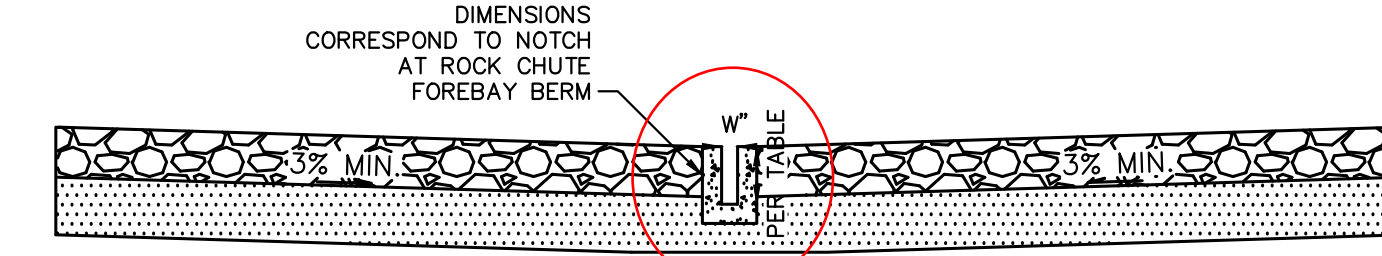
ROCK CHUTE, FOREBAY, & TRICKLE CHANNEL - ISOMETRIC DETAIL
1" = 5'



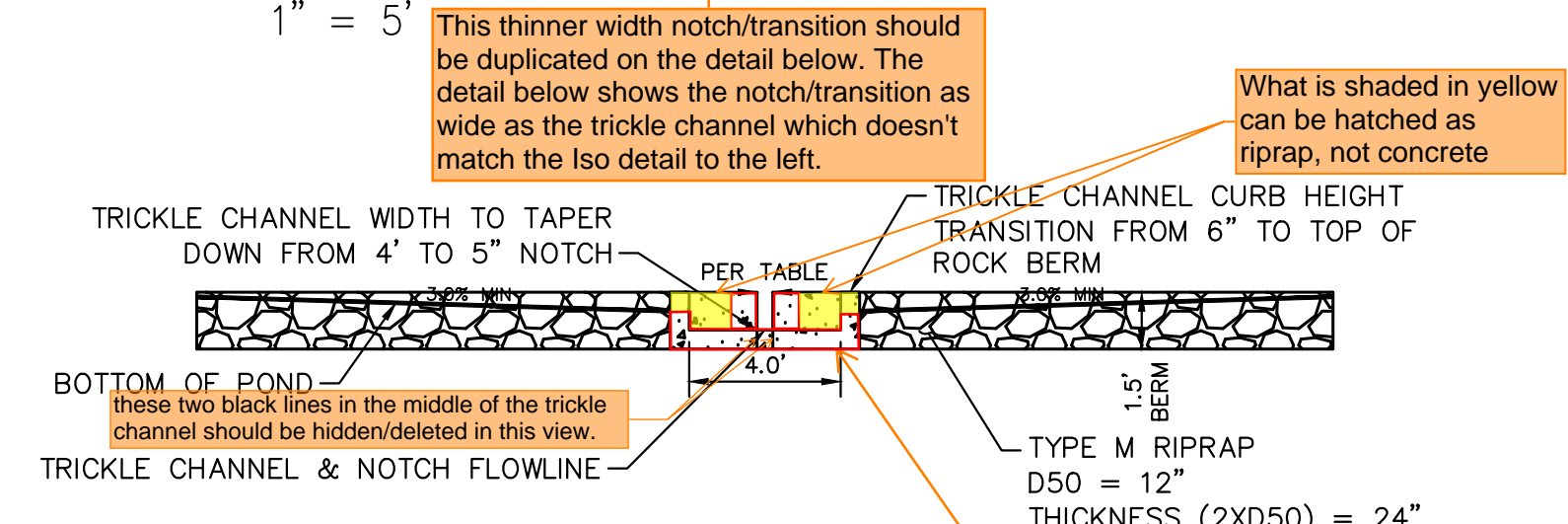
ROCK CHUTE PROFILE - POND TRICKLE CHANNEL APPLICATION
1" = 5'



TRICKLE CHANNEL - PROFILE
1" = 5'



FOREBAY NOTCH - TYPICAL SECTION
1" = 5'



ROCK CHUTE TYPICAL SECTION - FOREBAY BERM/TRICKLE CHANNEL
1" = 5'

ROCK CHUTE & FOREBAY DETAILS																	
Rock Chute ID	Pond ID	Forebay ID	Rock Chute Location	Contributing Basins	Q100 Flow (cfs)	Upstream Inlet Apron Length (ft)	Drop (ft) (Inlet Apron to Outlet Apron)	Chute Length (ft)	Downstream Outlet Apron Length (ft)	Chute Width (ft)	D50 (in)	Rock Chute Thickness (in)	Rock Chute Depth* (ft)	Top Chute Width** (ft)	Notch Width (in)	Forebay Depth (ft)	Forebay Width (ft)
1	Pond 3	A	PB8A	PB8A (60%), OB5	103	12	11	44	24	10	18	36	2.5	30	7.9	2	30
2	Pond 3	B	PB8A	PB8A (40%), OB8, PB11, PB14 (10%)	20	5	10	44	7	10	12	24	1.25	20	3.8	1.5	20
3	Pond 2	A	PB14	PB14 (10%)	96	12	6	64	16	10	12	24	3.0	26	6.0	1.5	26
4	Pond 1	B	PB15	PB6, PB7, PB15 (55%), OB2, OB3, OB4, PB3, PB4, PB5, PB15 (10%)	43	6	5	24	13	14	12	24	2.0	30	4.5	1.5	30
5	Pond 1	A	PB15		185	14	4	20	23	18	24	48	3.0	42	8.8	1.5	42

NOTES:
1. ROCK CHUTE DEPTH ACCOUNTS FOR 0.5' OF FREEBOARD
2. ROCK CHUTE WIDTH ACCOUNTS FOR 0.5' OF FREEBOARD

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK
DRAWN BY: MJK
CHECKED BY: KRR
DATE: 08/14/2024

EAGLEVIEW
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
ROCK CHUTE DETAILS

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196106001

SHEET

C1.41

The side of the trickle channel curb should be hatched to show the pond bottom flush with the top of curb. As you currently have it drawn, the pond bottom is at the bottom of the curb, which is incorrect.