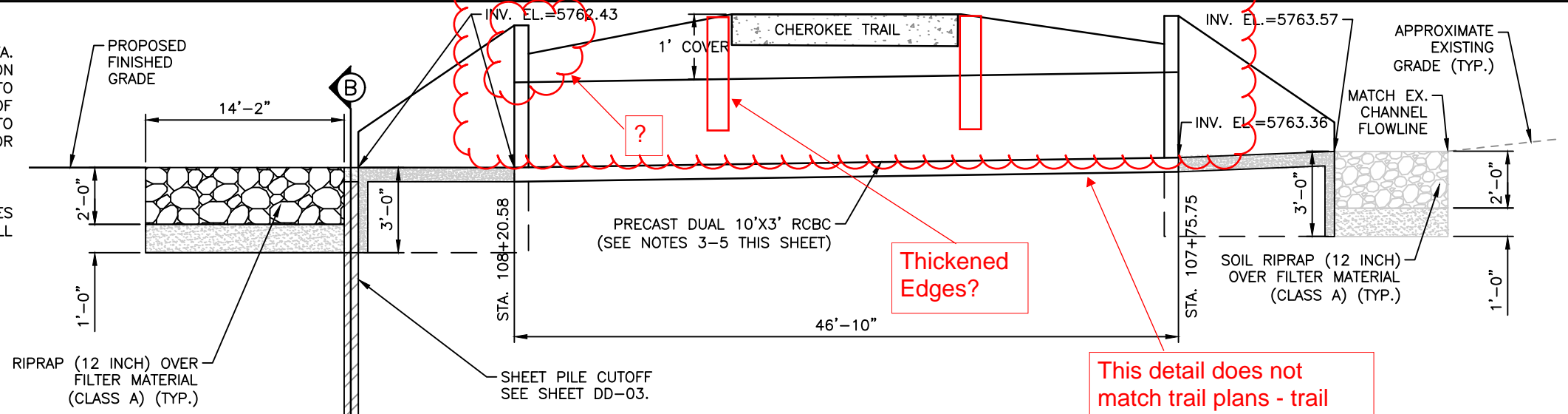


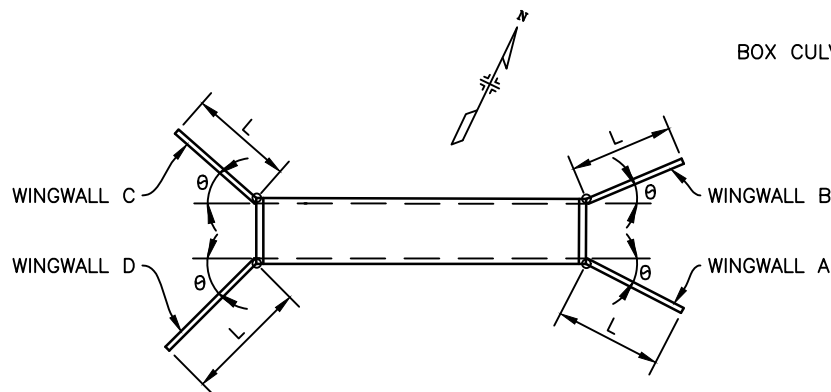
NOTES:

- UTILITY INFORMATION SHOWN IS PLOTTED FROM THE BEST AVAILABLE DATA. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO EXCAVATING. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR ANY UTILITIES THAT NEED RELOCATING.
- SEE UTILITY PLANS FOR ADDITIONAL INFORMATION.
- PRECAST BOX CULVERT MUST CONFORM TO CDOT M-STANDARDS M-603-2.
- FOR CAST-IN-PLACE END SECTIONS, USE M-601-2 FOR WALL THICKNESSES AND REINFORCEMENT SIZE AND SPACINGS WITH S=10 FT, R=6 FT, AND FILL HEIGHT = 0-5 FT.
- FOR WINGWALLS AND CONCRETE APRON, USE M-601-20.



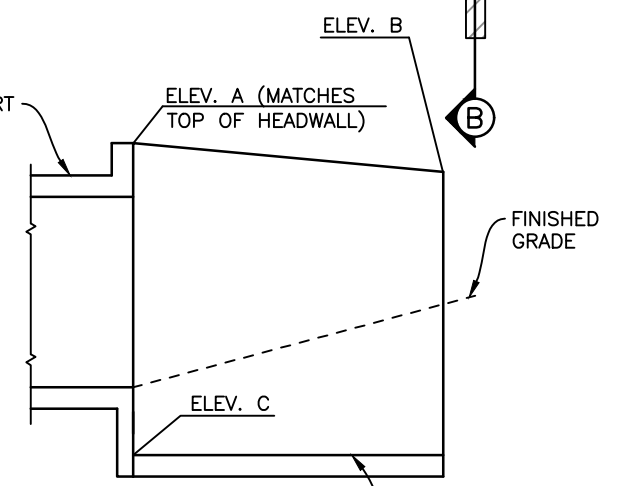
This detail does not match trail plans - trail elevation on the box is approx 68.40 - this detail shows about 67.5

(A) CHEROKEE TRAIL CROSSING PROFILE @ RCBC
STA 107+48.70 TO 108+41.52
N.T.S.

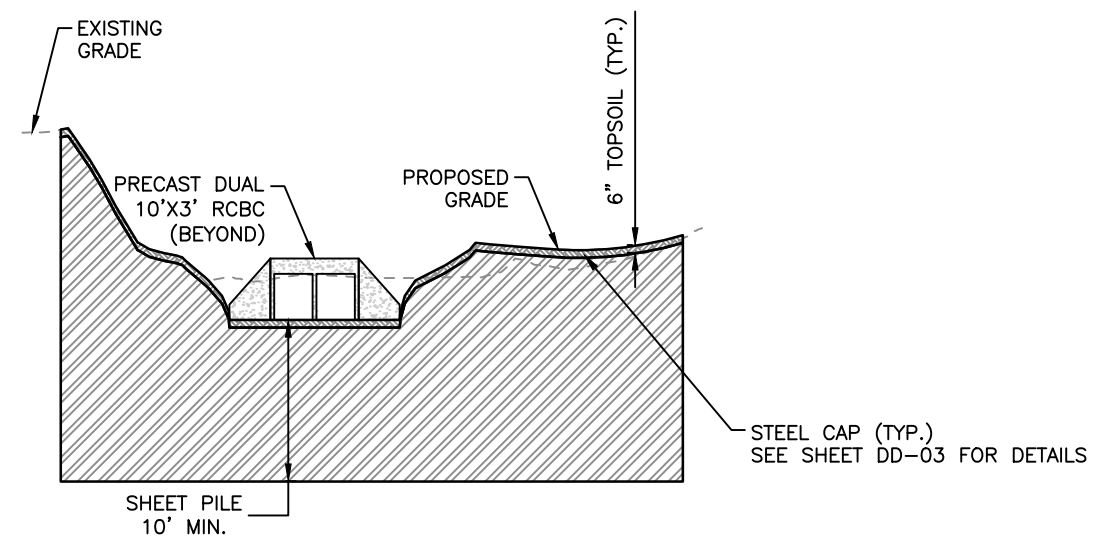


WINGWALL LAYOUT AT BOX CULVERT

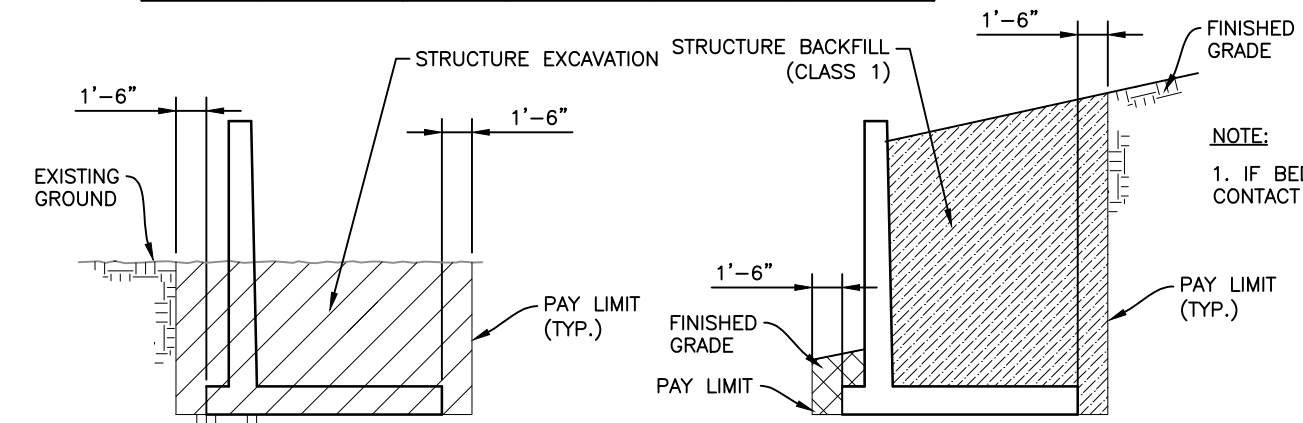
WINGWALL	θ	L	ELEV. A	ELEV. B	ELEV. C
A	45°0'0"	15'-6"	5767.18	5763.43	5760.43
B	45°0'0"	15'-6"	5767.18	5763.43	5760.43
C	45°0'0"	15'-6"	5768.11	5764.57	5761.36
D	45°0'0"	15'-6"	5768.11	5764.57	5761.36



ELEVATION WINGWALLS



(B) CREST SECTION
STA 107+63.54



WINGWALLS EXCAVATION

WINGWALLS BACKFILL

CHEROKEE TRAIL CROSSING

HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

HAPPY CANYON CREEK HYDRAULICS

Q100= 8,303 C.F.S
Q100 VELOCITY = 6.11 F.P.S
FROUDE No.=0.31

FOR INFO ONLY

I:\115360-01 - Compare at Belford\CADD\Hydraulics\Drawings\Happy Cyn Creek Drop Structure\ Vicente.Miranda

Print Date: 3/12/2021 5:31:59 PM
File Name: H115360-01DROP10drop1 Prof Sect.dwg
Horizontal Scale: 1"=50' Vertical Scale: 1"=10'

FELSBURG HOLT & ULLEVIG
6400 South Fiddlers Green Circle, Suite 1500
Greenwood Village, CO 80111
Phone: 303.721.1440
www.FHUENG.com

Sheet Revisions			
Date	Comments	Initials	

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Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
Construction Managers • Environmental Scientists • Landscape Architects • Planners

As Constructed	BELFORD-HAPPY CANYON CREEK HAPPY CANYON CREEK DROP STRUCTURE CHEROKEE TRAIL PROFILE/DETAILS		Project No./Code
No Revisions:	Designer: CDT	Structure Numbers	
Revised:	Detailer: ZJG		
Void:	Subset: Drainage	Sheets: DD-10 of 22	Sheet Number 72