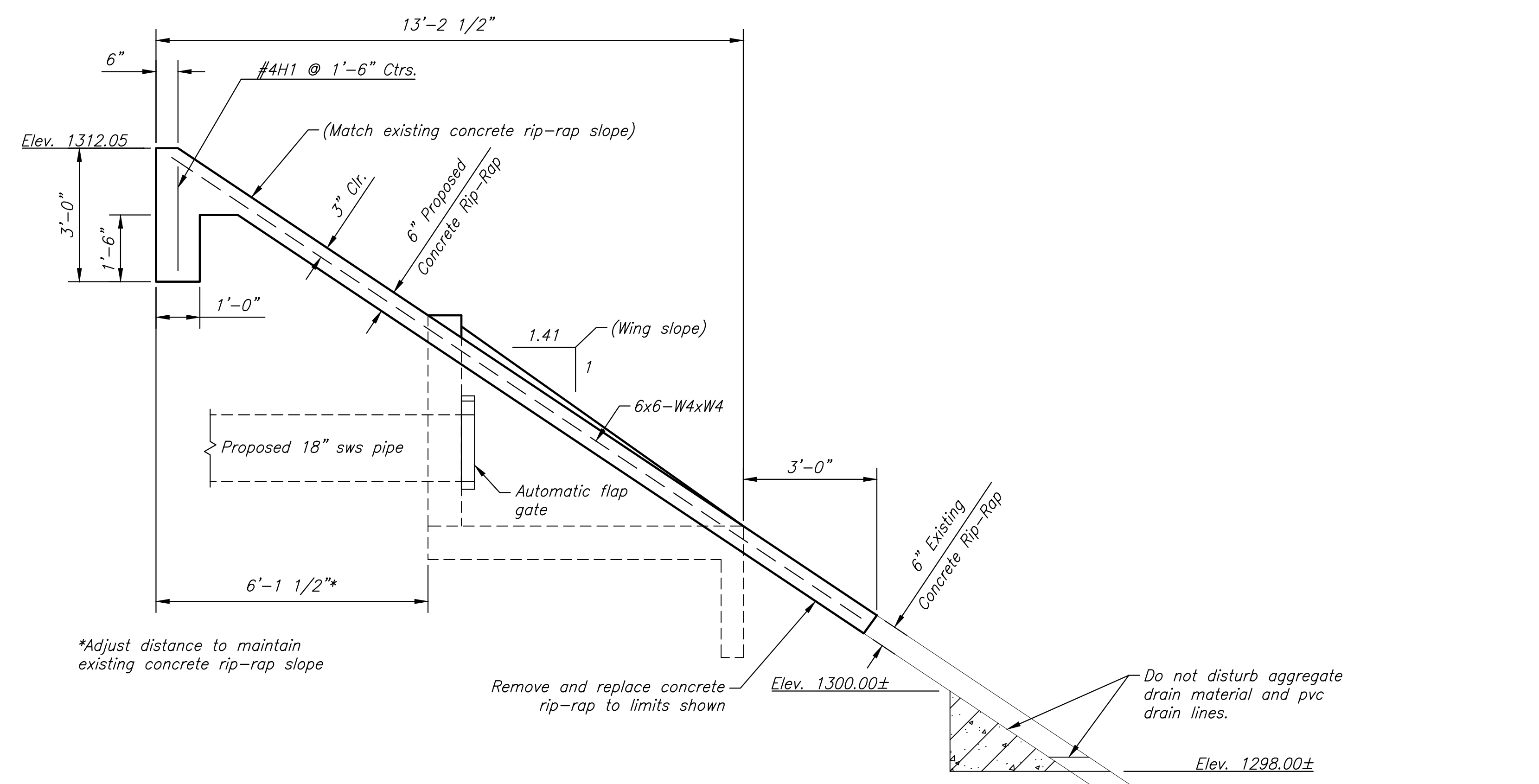


J:\PROJECTS\2021\101010465\_COW\_21ST STREET FROM MOSLEY TO I-135\00210465 CAD\SHS\PHASE 1\210465 OUTFALL DETAILS.DWG  
 PLOTTED: Wednesday, December 28, 2022 @ 11:04AM

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-2021-085733	2022	35	92



STREET IMPROVEMENTS FOR  
**21ST STREET - MOSLEY TO I-135**  
 PHASE 1

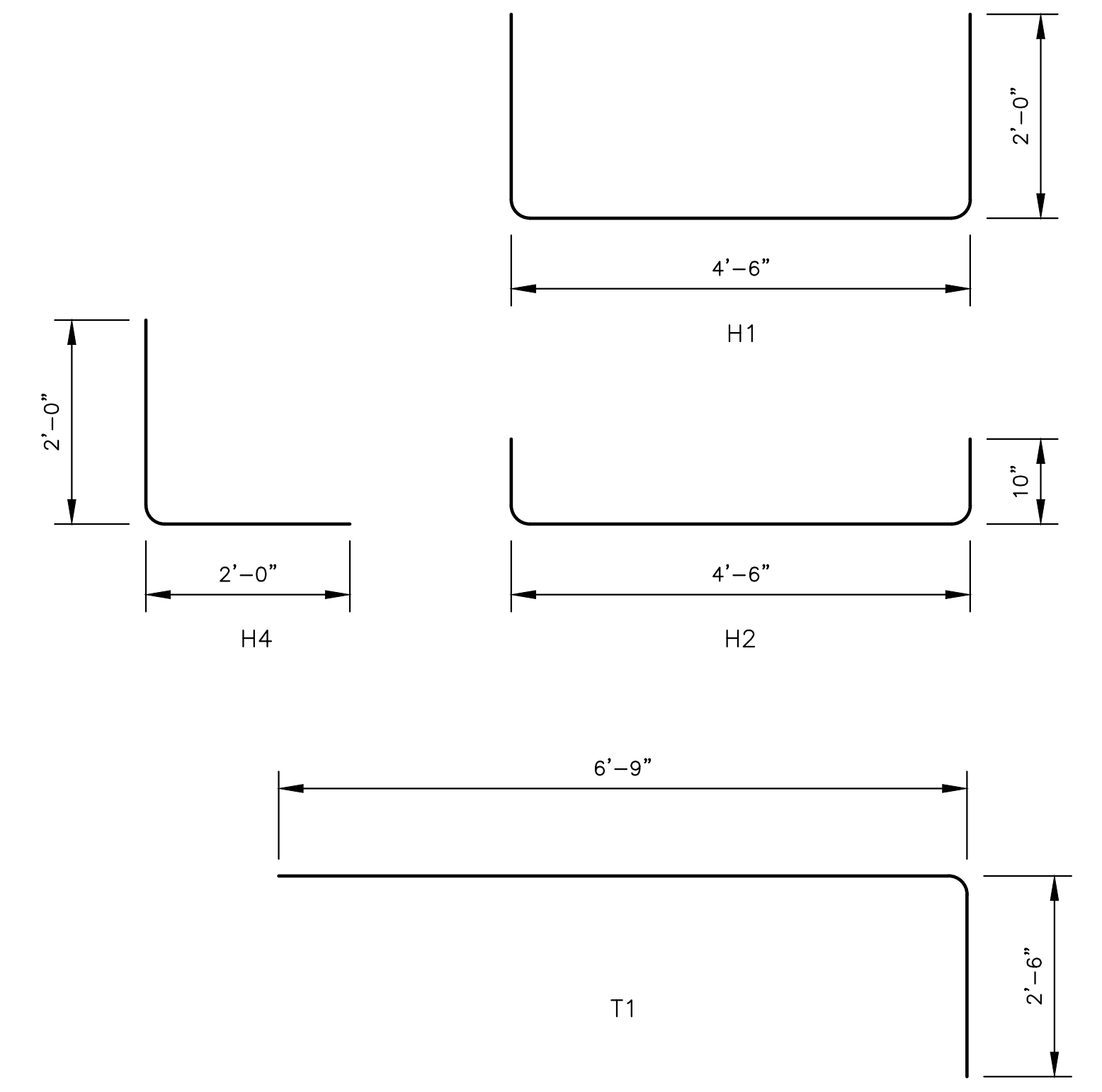


\*Adjust distance to maintain existing concrete rip-rap slope

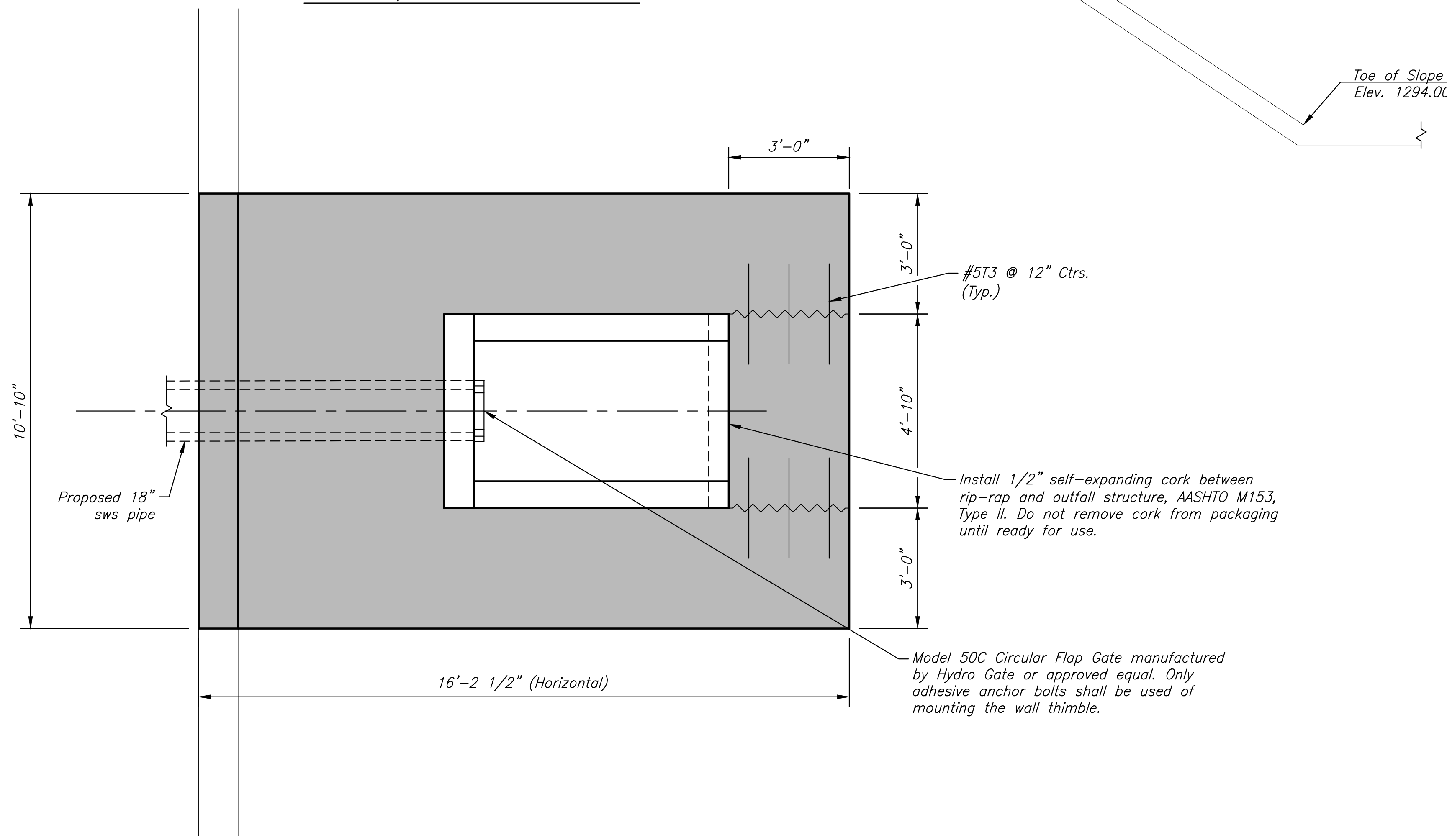
Remove and replace concrete rip-rap to limits shown

Do not disturb aggregate drain material and pvc drain lines.

**RIP-RAP, CONCRETE SECTION**



**BAR BENDING DIAGRAMS**



**RIP-RAP, CONCRETE PLAN**

FOR INFORMATION ONLY

BILL OF REINFORCING STEEL							
Straight Bars				Bent Bars			
Mark	Size	No.	Length	Mark	Size	No.	Length
H3	#5	16	4'-6"	H1	#5	9	8'-6"
W2	#5	2	7'-0"	H2	#5	2	6'-2"
W3	#5	6	3'-8"	H4	#5	5	6'-0"
				T1	#5	5	9'-3"

SUMMARY OF QUANTITIES	
Rip-Rap, Concrete 6", (Reinf.)	27.5 S.Y.
Flap Gate	1 Ea.
Concrete (Grade 4.0)	2.4 C.Y.
Reinforcing Steel (Gr. 60)	290 Lbs.

**LEGEND**

Proposed Rip-Rap, Concrete 6"

©2022 MKEC Engineering All Rights Reserved  
 These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

**SWS OUTFALL DETAILS**

PROJECT NO.	472-2021-085733	
DATE	12/28/2022	
SCALE	NTS	
DESIGNED	DRAWN	CHECKED
SLF	RAM	JRA
NO.	REVISION	DATE

SHEET NO.  
35 OF 92