

NOTE:  
NO PAVING TO BE INSTALLED UNTIL THE DETENTION SYSTEM IS  
CONSTRUCTED AND FULLY FUNCTIONING ALONG WITH THE  
BOTTOM AND SIDES OF THE DETENTION POND TO HAVE EITHER  
SOD OR ANCHORED SEEDED CURLEX INSTALLED.

ELEVATION-STORAGE TABLE		
Elevation	Storage (CF)	Storage (AC-FT)
507	0	0.00
508	8059	0.18
509	44962	1.03
510	114214	2.62
511	199407	4.58
512	291733	6.70
513	389628	8.94
514	493210	11.32
515	602596	13.83
516	717904	16.48
517	839251	19.27

**FLAT ROOF RECTANGULAR RACKS/WEIRS**  
DIMENSIONS IN INCHES TO THE NEAREST 1/4"

HOST STRUCTURE INSIDE DIMENSIONS	
LENGTH	WIDTH
WALL THICKNESS (REQUIRED)	

\*AS DISTRIBUTED BY CONTECH CONSTRUCTION PRODUCTS NATIONALLY\*

WIDTH (A)	11 3/8	16 3/4	22 1/8	27 1/2	32 7/8	38 1/4	43 5/8	49	54 3/8	59 3/4	65 1/8	70 1/2	75 7/8	81 7/8	87 1/4
CODE	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

LENGTH (B)	11 3/8	16 3/4	22 1/8	27 1/2	32 7/8	38 1/4	43 5/8	49	54 3/8	59 3/4	65 1/8	70 1/2	75 7/8	81 7/8	87 1/4
CODE	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

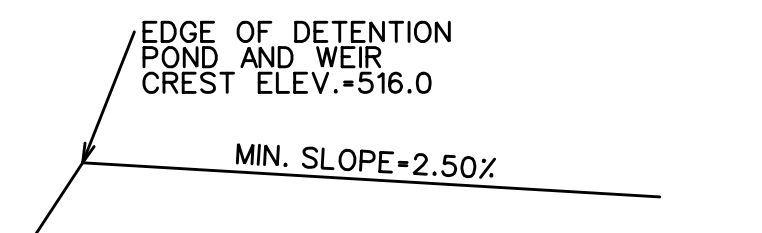
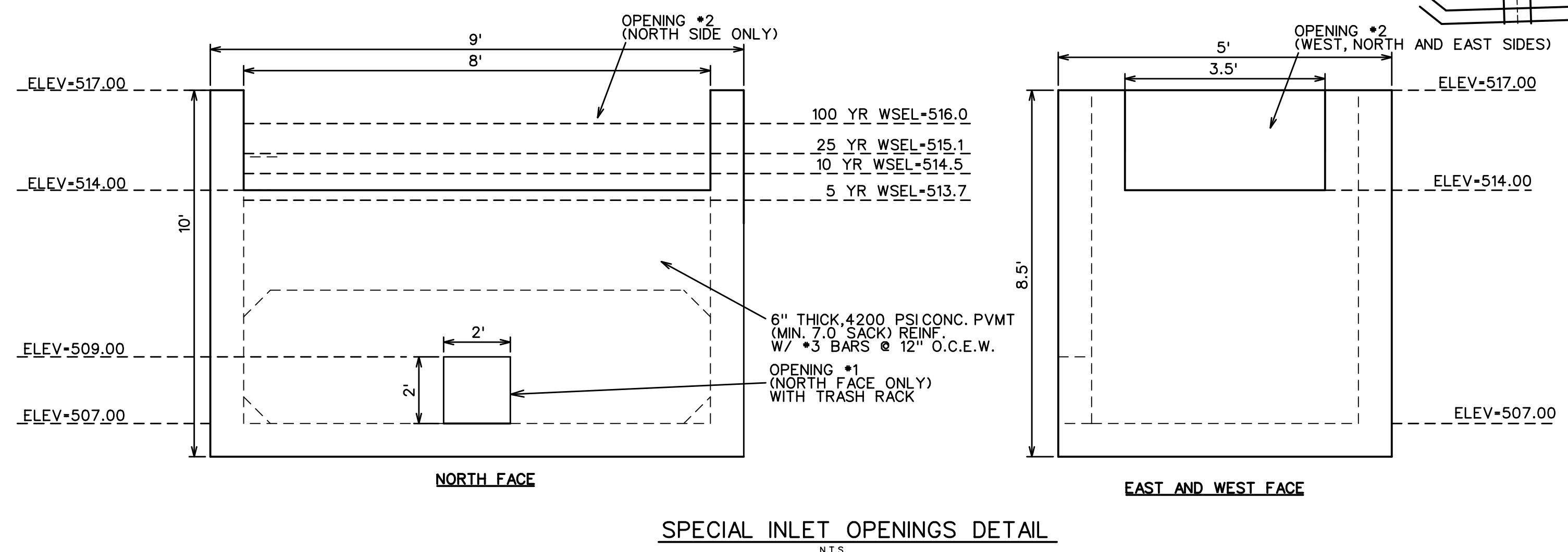
HEIGHT (C)	17 1/2	12 7/8
CODE	01	02

FLAT ROOF (FR)      WIDTH (A)      LENGTH (B)      HEIGHT (C)

1 GRID 2 GRID HIGH HIGH

**CONTECH**  
CONSTRUCTION PRODUCTS NATIONALLY

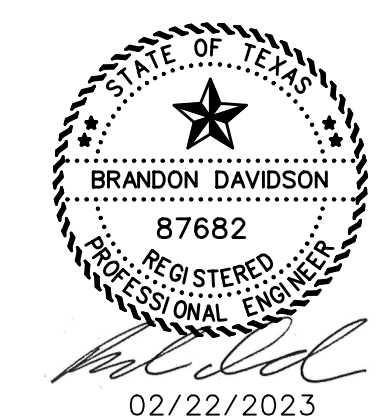
CUSTOMER: \_\_\_\_\_ DATE: \_\_\_\_\_  
PROJECT: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_  
APPD BY: \_\_\_\_\_  
DETAIL: \_\_\_\_\_



**POSITIVE OVERFLOW PROFILE**  
N.T.S.

EMERGENCY OVERFLOW SPILLWAY ASSUMING LOWER OUTLET IS COMPLETELY CLOGGED  
 $Q_{100} = 182.9$  cfs  
 WIDTH OF WEIR=25'  
 WEIR CREST ELEV=516.00  
 DEPTH OF FLOW OVER WEIR=1.69'  
 WSEL=517.69'

RECORD DRAWINGS  
 JANUARY 2024  
 INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)



**CORWIN ENGINEERING, INC.**  
 200 W. BELMONT, SUITE E  
 ALLEN, TEXAS 75013 (972)396-1200  
 TBPE FIRM #5951

DEVELOPMENT PLANS FOR  
**QUAIL HOLLOW**  
 PHASE I  
 ROCKWALL, TEXAS

SOUTH DETENTION POND PLAN

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER	DATE	SCALE:	36
22036	FEBRUARY 2023	1"=30'	