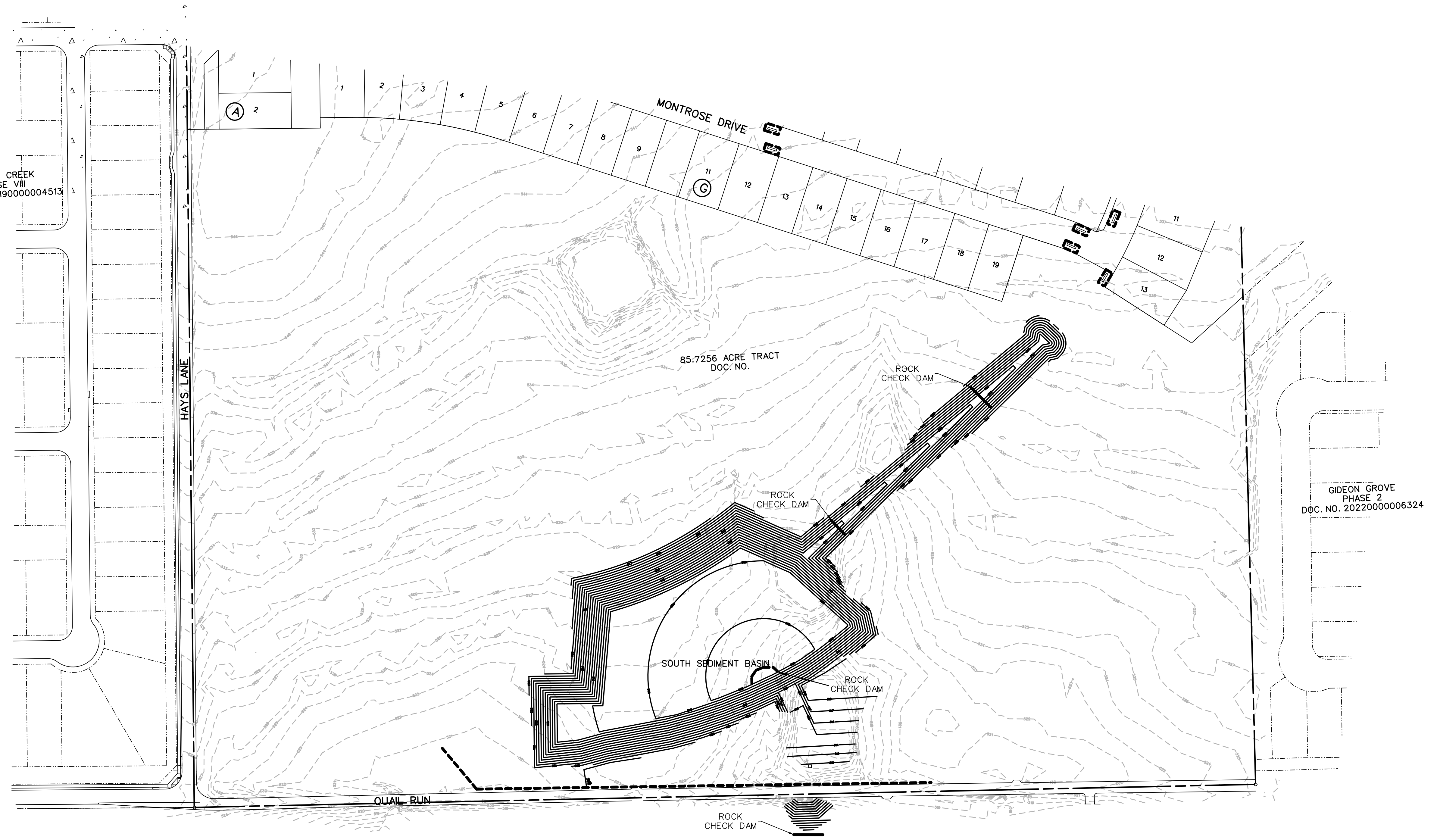


SCALE: 1" = 100'

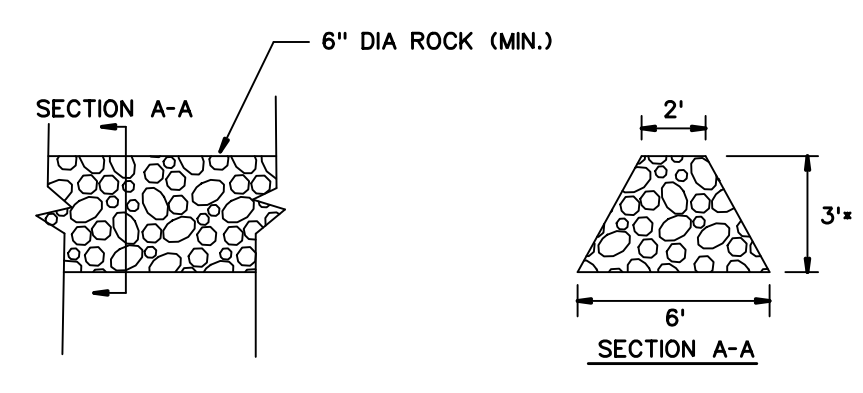


- LEGEND**
- SILT FENCE (BEFORE CONSTRUCTION)
 - INLET PROTECTION
 - ROCK CHECK DAM

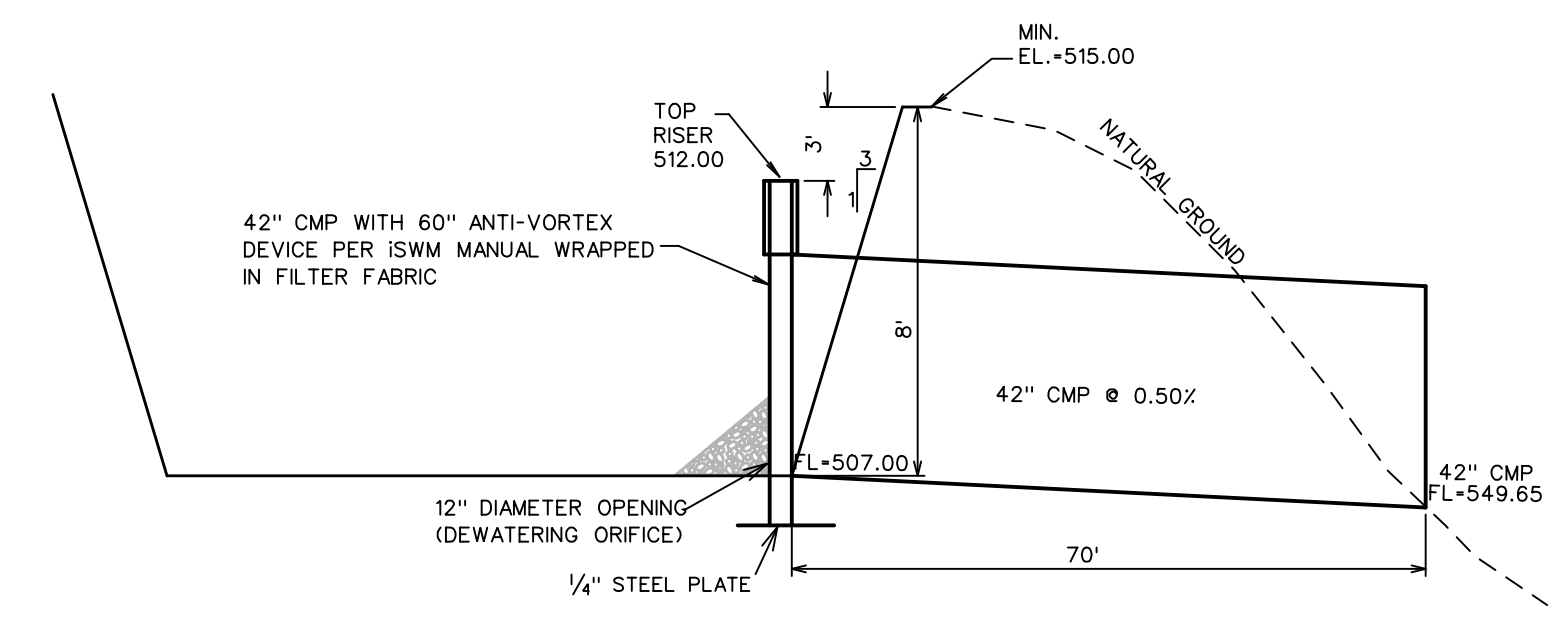
STONE CREEK
PHASE VII
DOC. NO. 2019000004513



GIDEON GROVE
PHASE 2
DOC. NO. 2022000006324



ROCK DAM
N.T.S.
*ROCK DAM SHALL NOT BE BUILT IN SUCH A MANNER THAT RUNOFF IS DIRECTED ONTO THE STREET PAVEMENT BEFORE IT GOES OVER THE TOP OF THE ROCK DAM



SOUTH SEDIMENT BASIN CALCULATIONS
N.T.S.

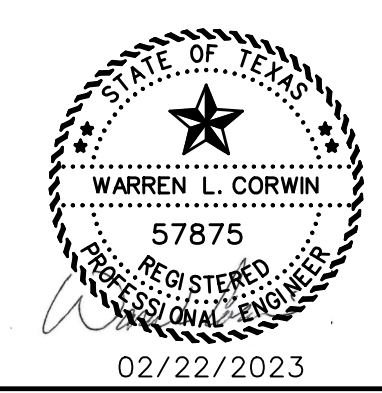
VOLUME REQUIRED = 3600 CF/ACRE
 VOLUME PROVIDED = 22.1 ACRES * 3600 CF/ACRE = 79,560 CF REQUIRED
 VOLUME PROVIDED = 79,560 CF AT 510.03 ELEVATION

OUTFLOW = AREA * 1(2) * C
 = 20.1 * 3.6 * 0.50 = 36.1 CFS

42" PIPE CAPACITY WITH 3' HEAD = 71.2 CFS

DEWATERING ORIFICE = 12" DIAMETER WITH AVERAGE H=3.0'
 AVERAGE OUTFLOW=6.6 CFS
 TIME TO DRAIN 79,560 CF = 3.4 HOURS

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			
EROSION CONTROL PLAN			
DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER	DATE	SCALE:	38
22036	FEBRUARY 2023	1"=100'	