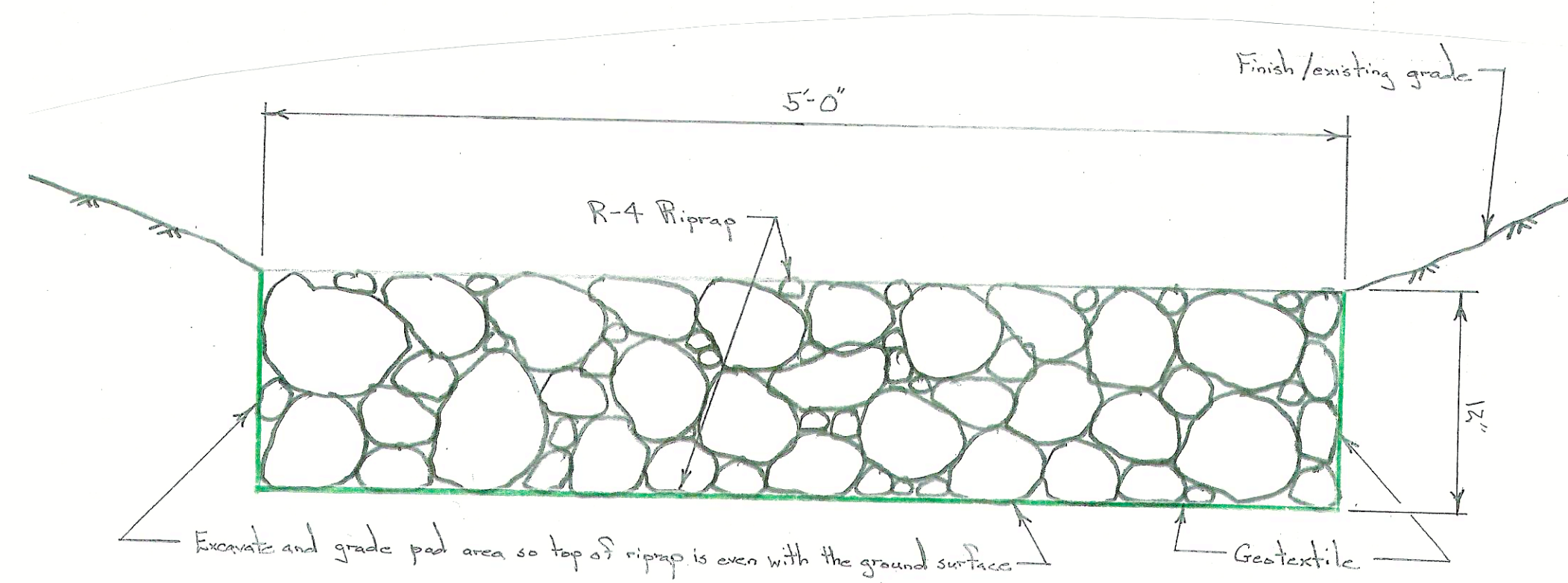


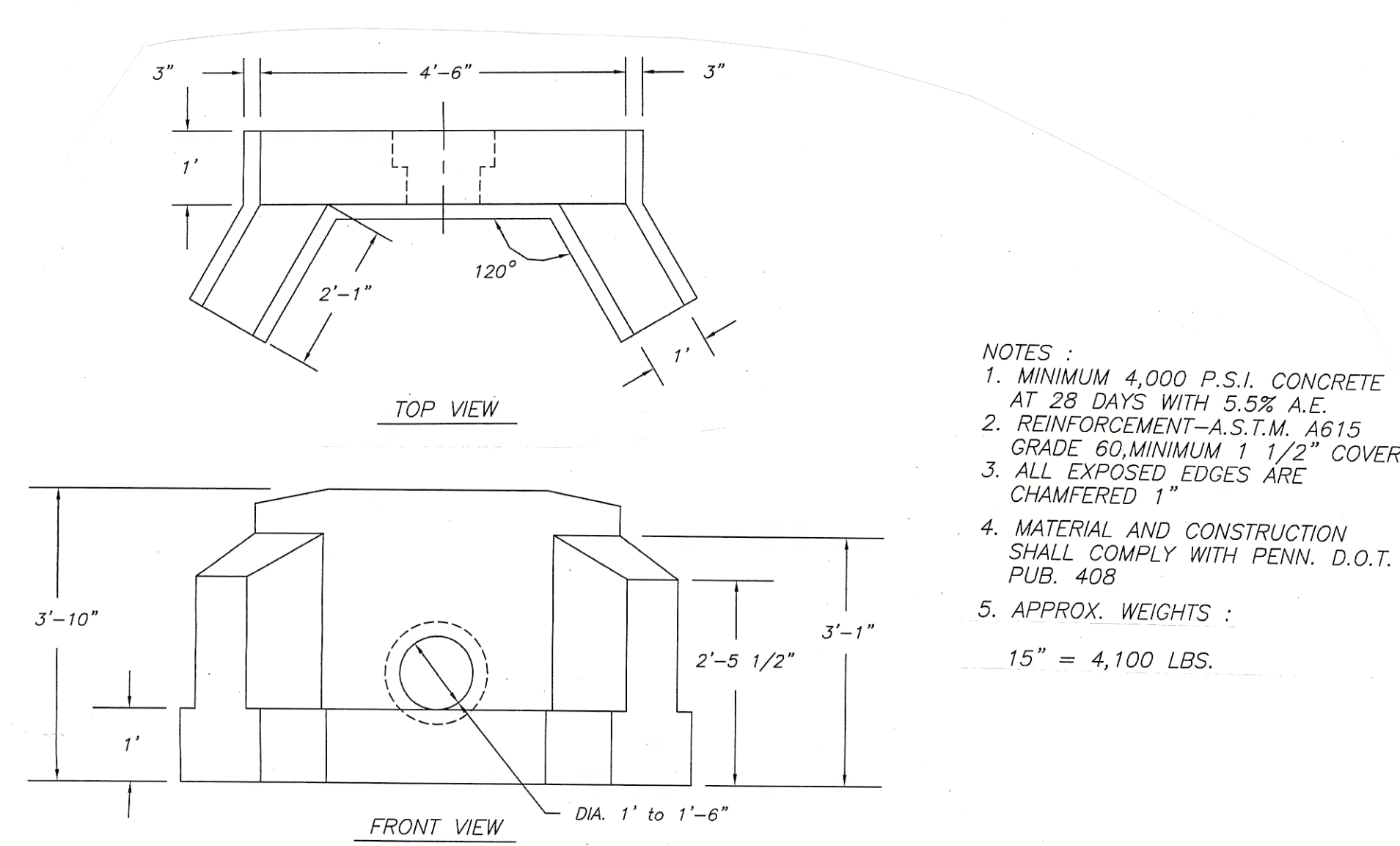
DRAINAGE PIPE PLAN

Scale: 1/4 in. = 1 ft.



RIPRAP SPLASH PAD DETAIL

Scale: 1-1/2 in. = 1 ft.

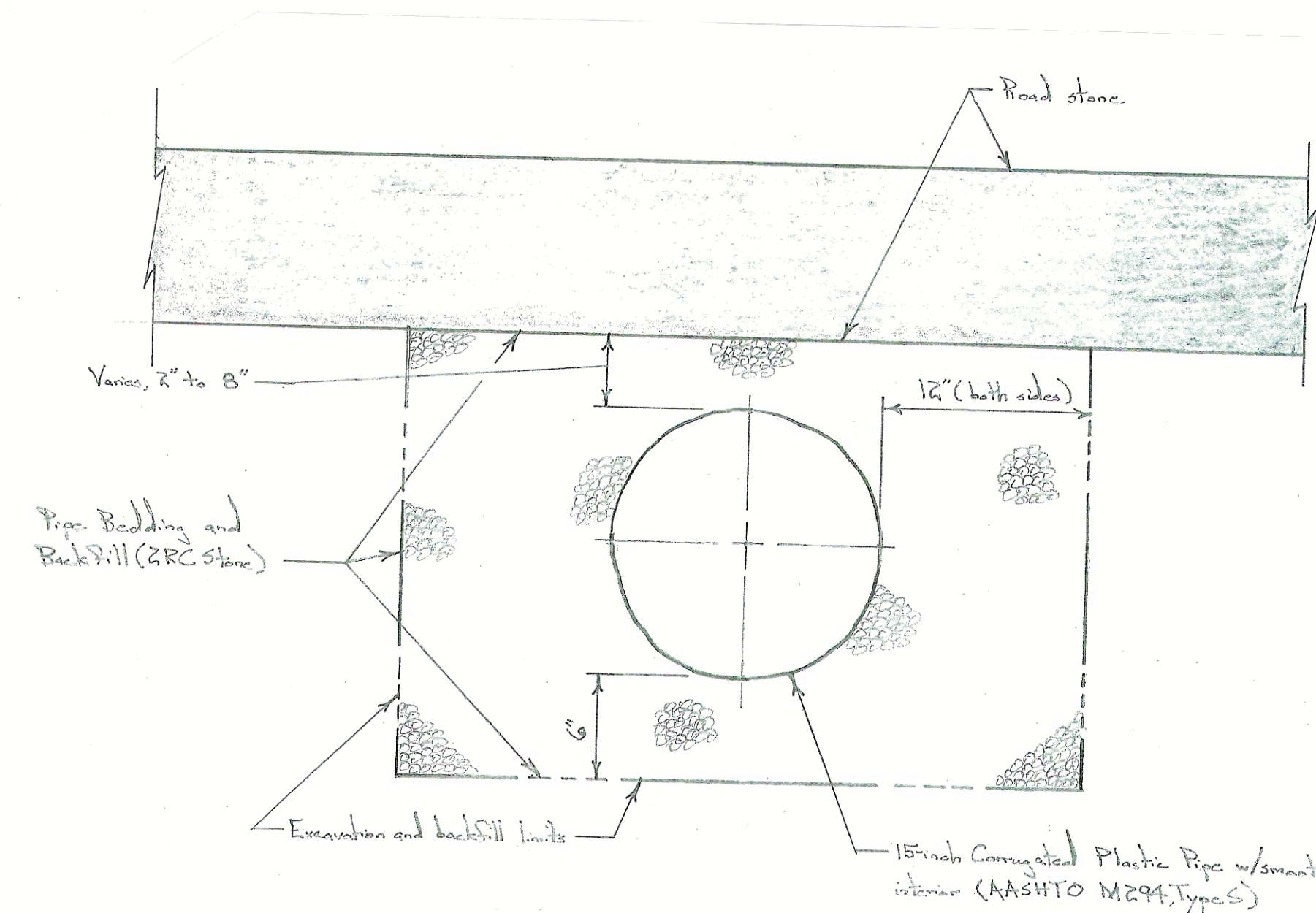


15" HEADWALL

HEADWALL DETAILS

No Scale

- NOTES:
1. MINIMUM 4,000 P.S.I. CONCRETE AT 28 DAYS WITH 5.5% A.E.
 2. REINFORCEMENT-A.S.T.M. A615 GRADE 60, MINIMUM 1 1/2" COVER
 3. ALL EXPOSED EDGES ARE CHAMFERED 1"
 4. MATERIAL AND CONSTRUCTION SHALL COMPLY WITH PENN. D.O.T. PUB. 408
 5. APPROX. WEIGHTS:
15" = 4,100 LBS.

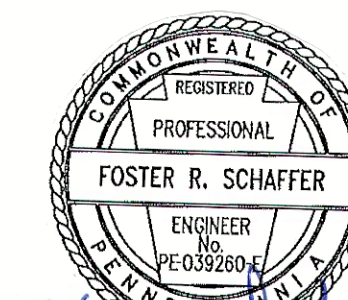


DRAINAGE PIPE SECTION

Scale: 1-1/2 in. = 1 ft.

DRAINAGE PIPE NOTES

1. The minimum fall in the new drainage pipes is 3-inches over a 10-foot length (slope of 0.025).
2. Pipes should cross the road to suit field conditions and existing drainage paths. Pipes that cross the road at an angle are 30 or 40-feet long
3. Perform minor grading at the inlet and outlet ends of the new and existing drainage pipes so that flow smoothly enters and exits the pipes.
4. Minimum cover over the new drainage pipes is 12-inches.
5. The depth of placement of the new drainage pipes can vary to meet field conditions. The downstream ends of the pipes can be deeper to meet field conditions and slope requirements.



Foster R. Schaffer
1/31/23

PENNSYLVANIA GAME COMMISSION		
SGL #61	LIBERTY TWP.	MCKEAN CO.
VAN SICKLE ACCESS ROAD MAINTENANCE PROJECT		
DRAINAGE PIPE DETAILS		
REVISIONS	PROJECT NO.	PGC-61-23-01
△	DRAWN BY:	MS
△	DATE:	1/31/23
△	SHEET NO.	3 OF 3