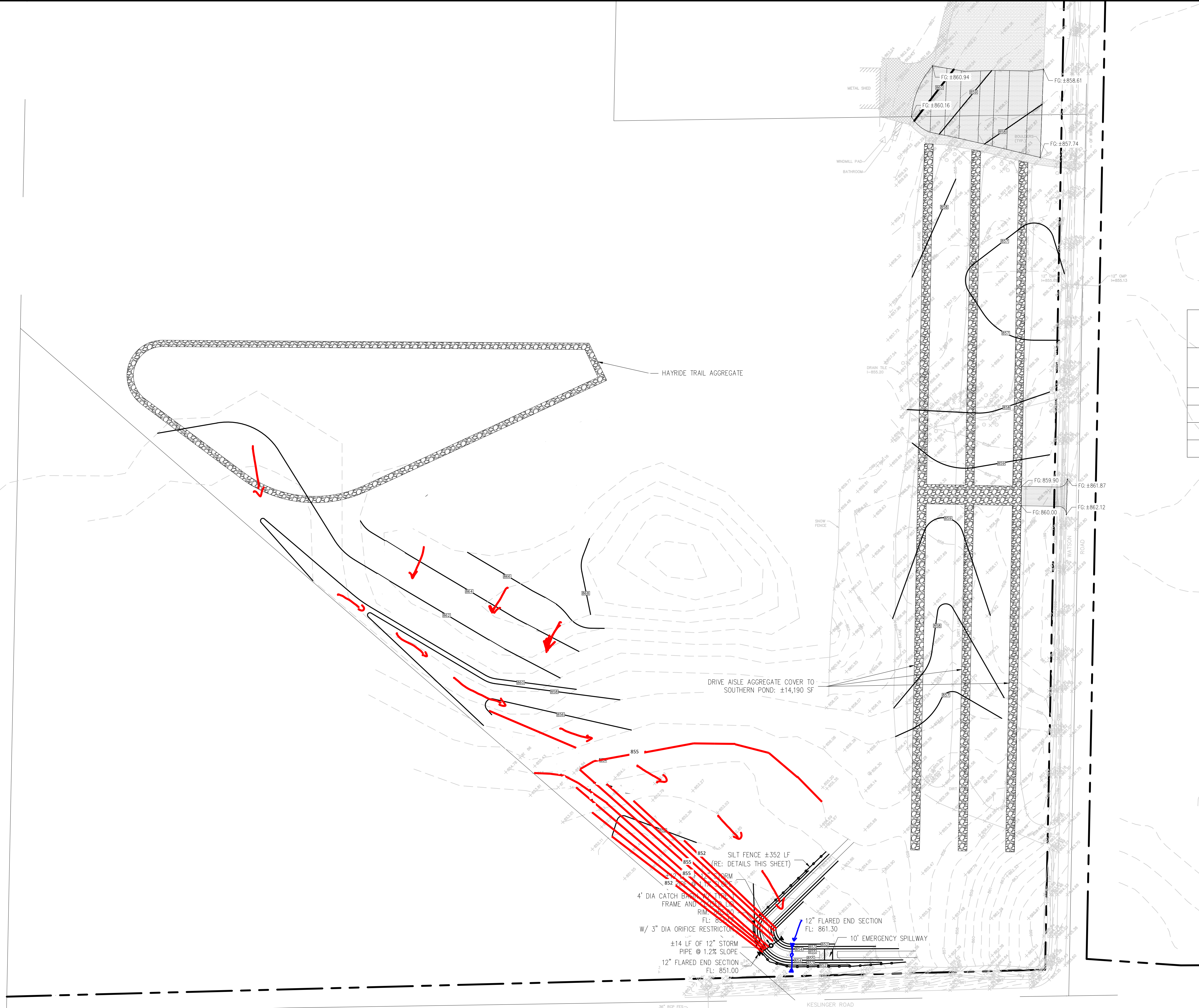


**SOUTHERN POND**  
 PROPOSED IMPERVIOUS COVER = 31,878 SF  
 REQUIRED VOLUME = IMPERVIOUS COVER \* 0.55 AC-FT/AC  
 REQUIRED VOLUME = 17,533 CF  
 PROVIDED VOLUME = 21,332 CF

ELEVATION	AREA (AC)	VOLUME (AC-FT)	TOTAL VOLUME (AC-FT)
851.3	0	0	0
852.0	0.096	0.034	0.034
853.0	0.266	0.181	0.215
854.0	0.283	0.275	0.490

- CONTRACTOR SHALL STABILIZE PARKING/DRIVE AISLE AREAS AS FOLLOWS:
- 6" TOPSOIL
  - IDOT CLASS 1 SEED MIX, OR EQUIVALENT (RE: DETAILS)
  - STRAW MULCH (RE: DETAILS)
- CONTRACTOR SHALL STABILIZE DETENTION/BERM AREAS AS FOLLOWS:
- 12" TOPSOIL
  - IDOT CLASS IV NATIVE SEED MIX, OR EQUIVALENT (RE: DETAILS)
  - STRAW MULCH (RE: DETAILS)



PREPARED FOR:  
 KUIPERS FAMILY FARM  
 IMPROVEMENTS  
 1N318 WATSON ROAD  
 MAPLE PARK, IL 60151

PREPARED BY:  
 ESM CIVIL SOLUTIONS, LLC  
 Civil Engineering, Land Entitlements & Project Feasibility  
 4320 Winfield Road- Suite 200, Warrenville, Illinois 60555  
 or: 630 300-D933 c: 630 624-0520

NO.		DATE	DESCRIPTION	REVISIONS	
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

KUIPERS FAMILY FARM IMPROVEMENTS  
 SOUTHERN POND DRAINAGE AND GRADING PLAN

FILE NAME: BASE PLAN	DSGN. BY: ESM	JOB NO: PMW-001	FLD. BK:	SHEET NO.
DISC NUM: PMW-001	DRN BY: WDE	SCALE: 1:60	DATE: 12.29.2018	6 of 9