

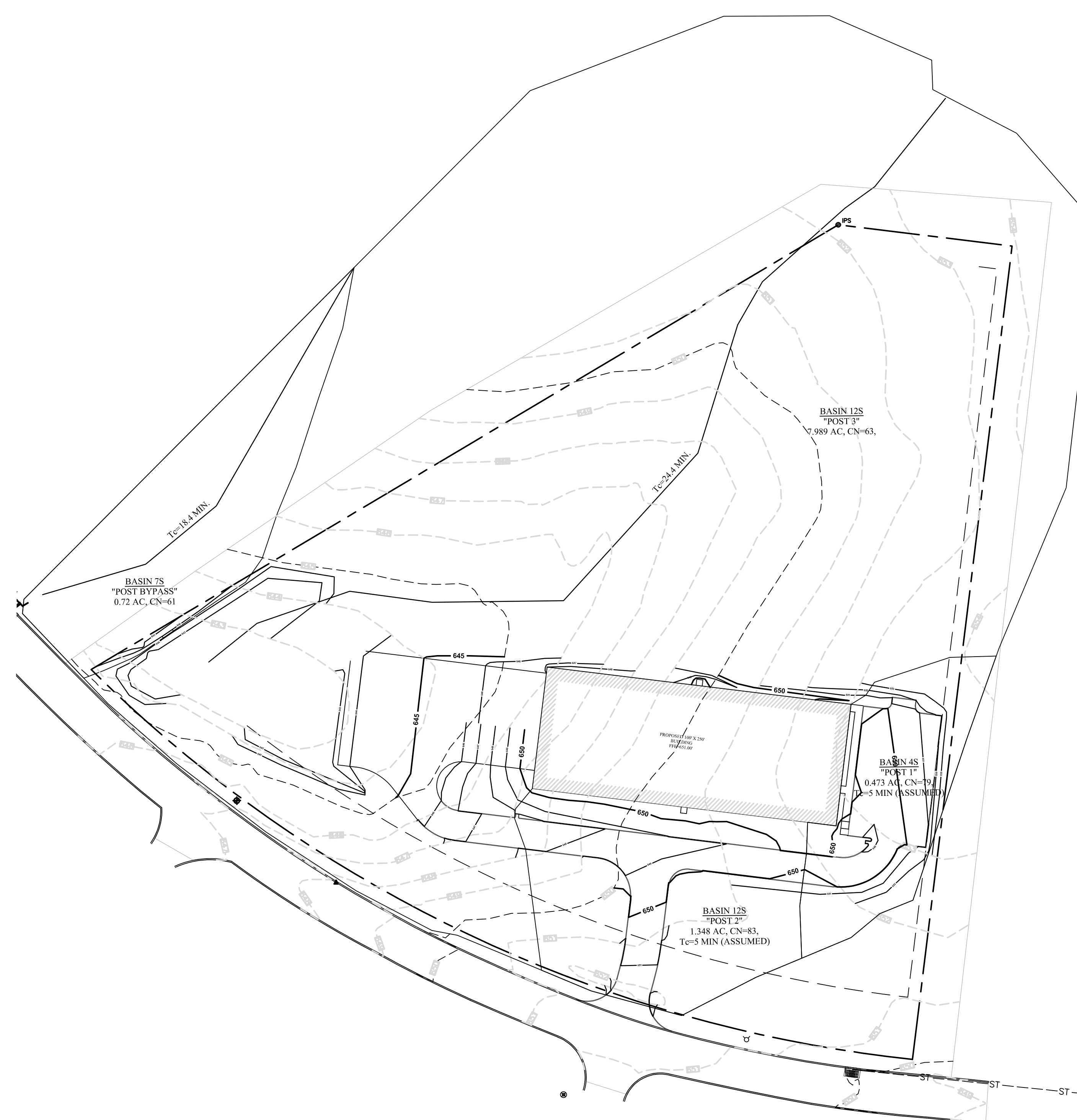
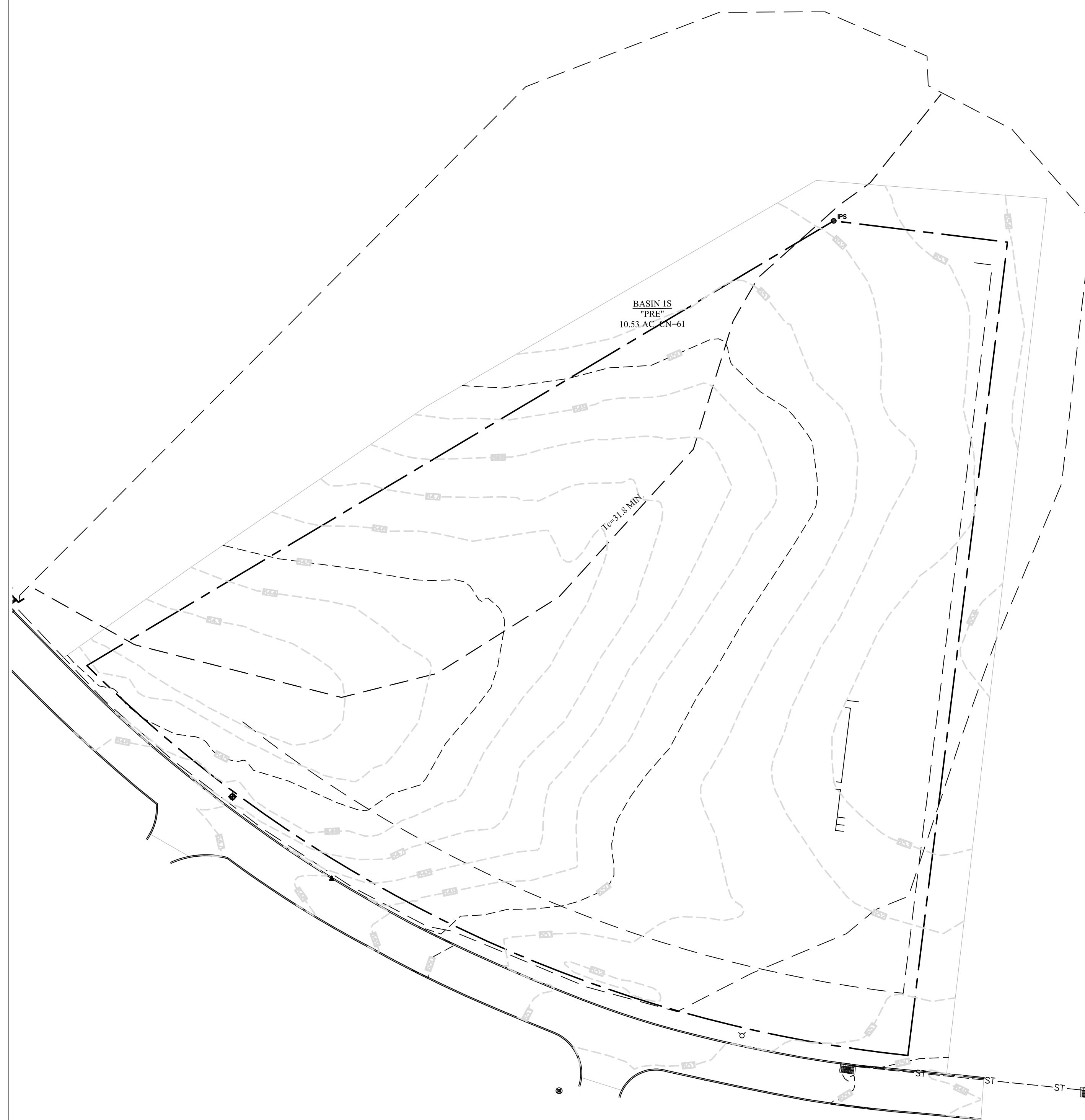
STORM EVENT	RUNOFF		MAX. WATER CREST IN POND
	PRE-DEVELOPMENT	POST-DEVELOPMENT	
2-YEAR	3.89 CFS	3.26 CFS	643.21
10-YEAR	12.77 CFS	6.59 CFS	643.85
25-YEAR	18.38 CFS	10.29 CFS	644.20
100-YEAR	28.31 CFS	28.46 CFS	644.72

TOTAL VOLUME OF DETENTION POND = 36,453 CUBIC FEET  
TOP OF POND AT 644.50' ELEVATION



**PRE**

**POST**



**LINEAGE METALS -  
CHERRY GLEN INDUSTRIAL PARK**  
JOE FRANK PORTER ROAD  
MT. PLEASANT, TN 38474

MAY 28, 2026

**SOMERS CONSULTING SERVICES, LLC.**  
ANDY SOMERS, P.E.  
(256) 603-4888  
2206 SHADES CREST RD  
HUNTSVILLE, AL 35801

**LINEAGE METALS**  
(925) 330-6747  
2737 COUCHVILLE PIKE, SUITE 300  
NASHVILLE, TN 37217

**DRAWN:** AS  
**CHECKED:** AS

**SHEET NAME:**  
HYDROLOGY

**SCALE:** 1"=60'  
**SHEET NO:** 1 OF 1