

GARNER
ENGINEERING

20 GLENN WILLOW DR, STE #11
ARDEN, NC 28704
www.garner-eng.com
828.337.5716

SCALE:	AS SHOWN
DRAWN BY:	JFG
PROJECT NO:	GE-284
DATE:	02/12/2025
PROF. ENG. FIRM NO. C-4451	

AREA PLAN

DREGED SPOILS EXPANSION
LAKE JUNALUSKA
SLEEPY HOLLOW DRIVE
LAKE JUNALUSKA, NC

DWG

A2

WETLAND AND STREAM IMPACTS		
TOTAL STREAMS ON-SITE	1466.3 LIN-FT	0.144 AC
TOTAL WETLANDS ON-SITE	0.151 AC	
PROPOSED PERM. STREAM IMPACTS	350 LIN-FT	0.0234 AC
PROPOSED WETLAND IMPACTS	0.009 AC	
TOTAL STREAMS AVOIDED ON-SITE	1116.3 LIN-FT	0.120 AC
TOTAL WETLANDS AVOIDED ON-SITE	0.142 AC	

BASIN STORAGE BY ELEVATION - AREA					
ELEV	AREA (SQ-FT)	AREA (ACRES)	VOL (AC-FT)	VOL - CUM. (AC-	
2760	1708	0.0	0	0	
2770	18084	0.4	2	2	
2780	41730	1.0	7	9	
2790	79168	1.8	14	23	
2800	121390	2.8	23	46	
2810	167237	3.8	33	79	
				127720	CU-YDS

SEDIMENT STORAGE
EXTENTS

PROPOSED WETLAND IMPACT
W1 = 0.009 AC

PROPOSED PERMANENT STREAM IMPACTS
S1 = 350.0 LIN-FT, (0.0234 AC)

PROPOSED EMBANKMENT
CENTERLINE
EMBANKMENT FILL = 60,118 CU-YDS



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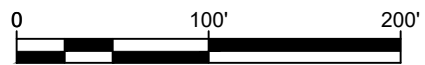
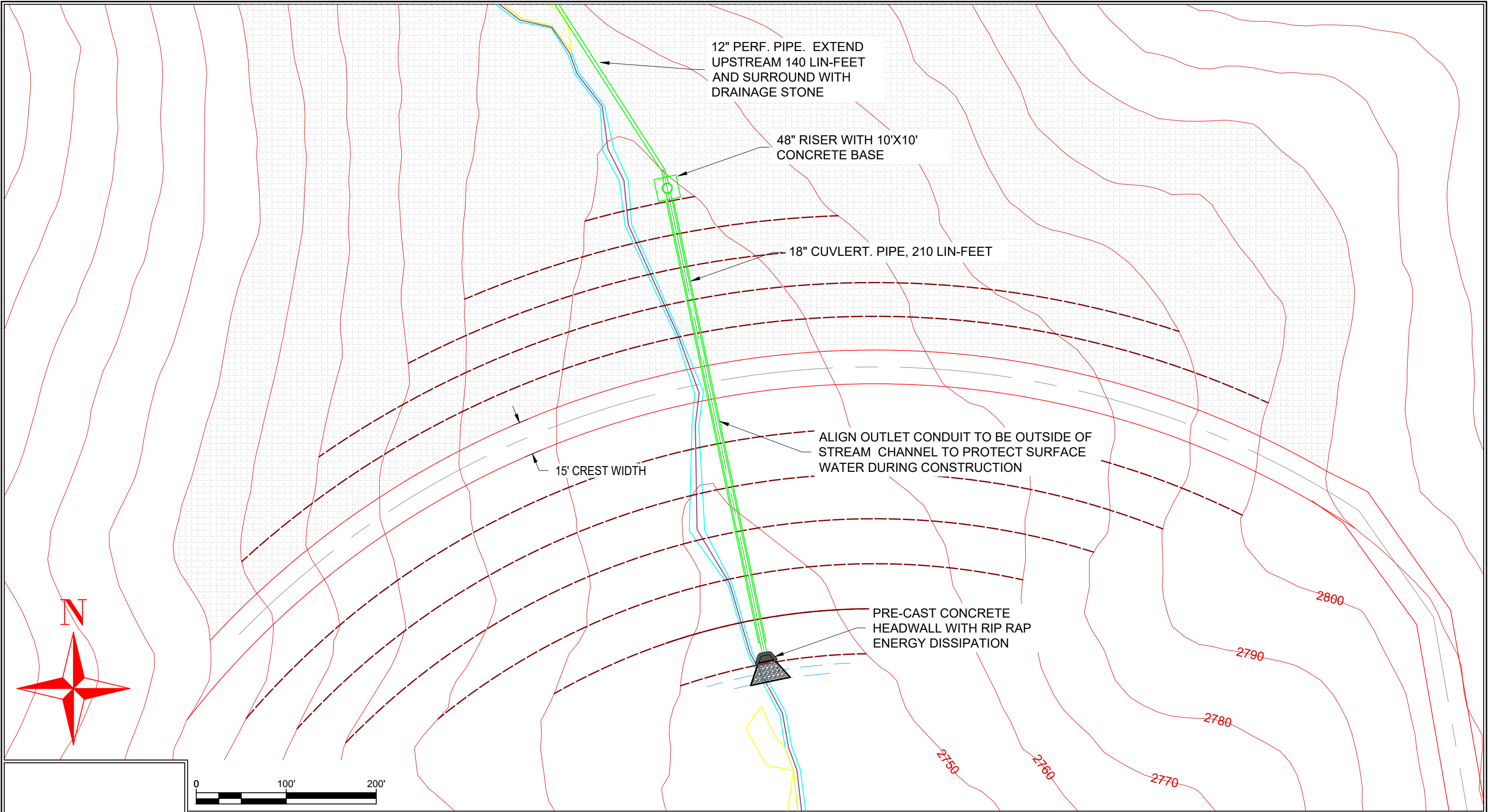
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