


ADA-32-(11.98)(11.99)

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/8/2024 TIME: 2:15:37 PM USER: mmcclall  
 p:\vohodol-pw-bentley.com\phodol-pw-02\Documents\01 Active Projects\District 09\Adams\117528\400-Engineering\Roadway\Sheets\117528\_CG001.dgn

SHEET NUM.										PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	6								01/NHS/04			EXT	TOTAL				
																<b>ROADWAY</b>		
										LS			201	11000	LS	CLEARING AND GRUBBING		
100										100			202	38200	100	FT	GUARDRAIL REMOVED FOR REUSE	
100										100			606	16000	100	FT	GUARDRAIL REBUILT	
																<b>EROSION CONTROL</b>		
		20								20			601	32110	20	CY	ROCK CHANNEL PROTECTION, TYPE B WITH AGGREGATE FILTER	
400										400			659	10000	400	SY	SEEDING AND MULCHING	
20										20			659	14000	20	SY	REPAIR SEEDING AND MULCHING	
0.06										0.06			659	20000	0.06	TON	COMMERCIAL FERTILIZER	
0.08										0.08			659	31000	0.08	ACRE	LIME	
4										4			659	35000	4	MGAL	WATER	
										5,000			832	30000	5,000	EACH	EROSION CONTROL	
																<b>DRAINAGE</b>		
		297								<del>297</del>			SPECIAL	20270130	<del>297</del>	FT	PIPE CLEANOUT OVER 48"	3
		LS								LS			503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
		297								<del>297</del>			837	10000	<del>297</del>	FT	LINER PIPE (SEE SHEETS 8 AND 9 FOR ALLOWABLE MATERIAL TYPES)	
		297								<del>297</del>			837	21000	<del>297</del>	FT	BACKFILL FOR LINER PIPE	
																<b>MAINTENANCE OF TRAFFIC</b>		
	16									16			614	11110	16	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	5									5			616	10000	5	MGAL	WATER	
																<b>INCIDENTALS</b>		
										LS			614	11000	LS		MAINTAINING TRAFFIC	
										1			619	16000	1	MNTH	FIELD OFFICE, TYPE A	
										LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

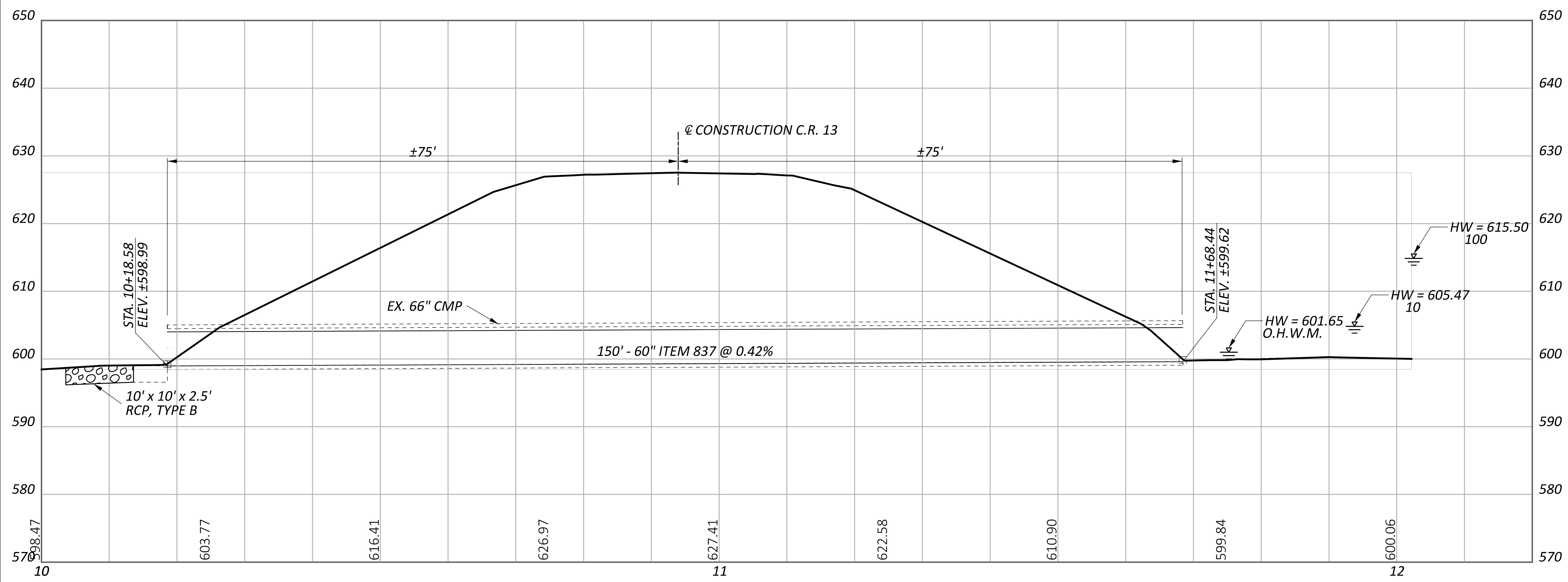
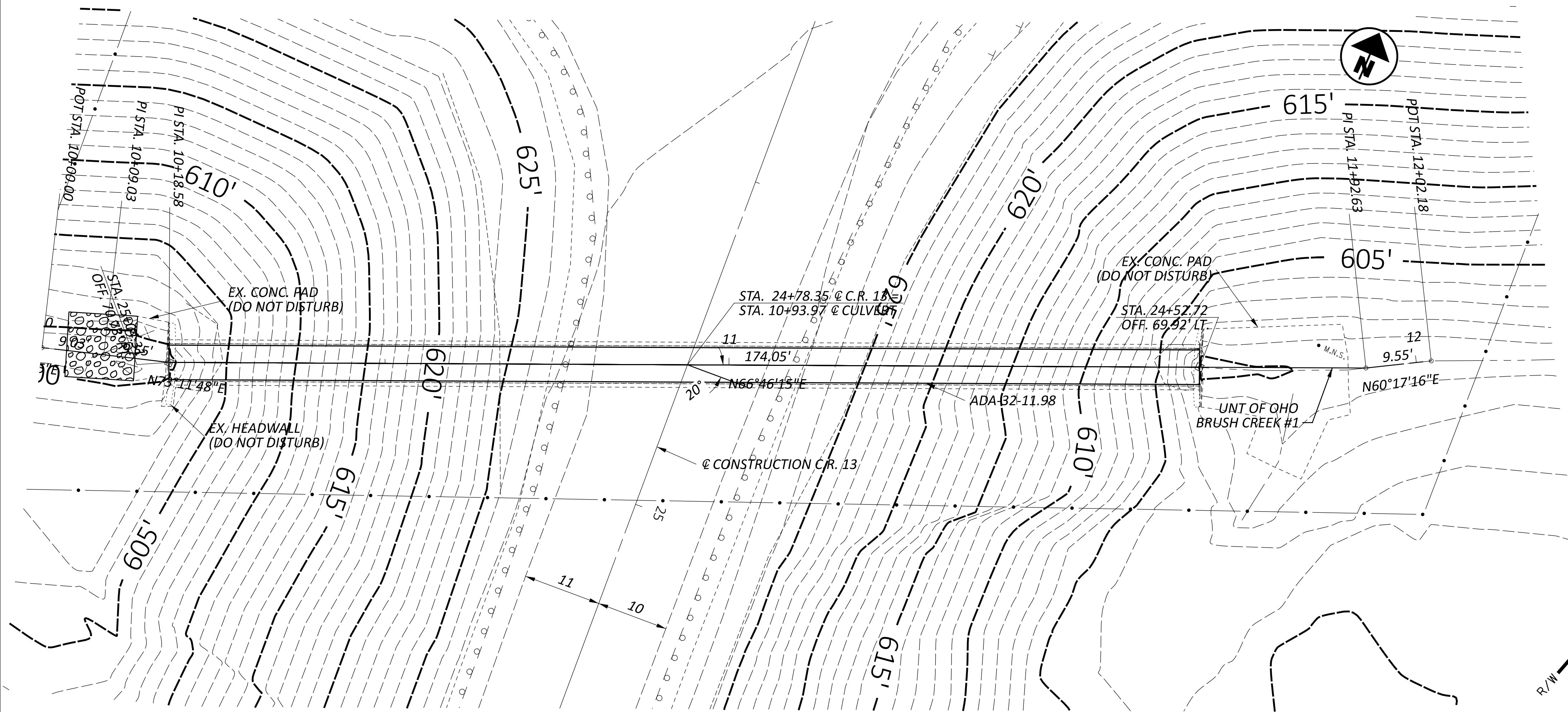


DESIGNER  
MPG

REVIEWER  
XXX MM-DD-YY

PROJECT ID  
117528

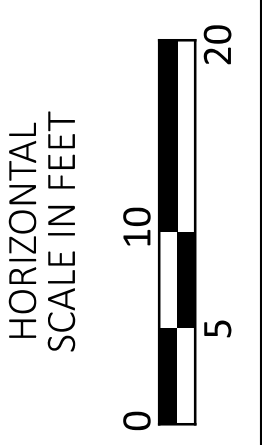
SHEET TOTAL  
P.05 | 9



HYDRAULIC DATA		
DRAINAGE AREA =	83 ACRES	
Q (10) =	155 CFS	V (10) = 10 FT/S
Q (100) =	348 CFS	V (100) = 18 FT/S
ORDINARY HIGH WATER MARK:	601.65	HW (10) = 605.47
DESIGN SERVICE LIFE:	75 YEARS	HW (100) = 615.50
ABRASION LEVEL:	4	
pH:	8.0	

EXISTING STRUCTURE	
TYPE:	CORRUGATED METAL PIPE
SIZE:	66"
SKEW:	20° L.F.
ALIGNMENT:	TANGENT
CFN:	1846128
DISPOSITION:	INSTALL ITEM 837, LINER PIPE

PROPOSED STRUCTURE	
TYPE:	60" ITEM 837, LINER PIPE (748.06, 707.75, 707.85)
SIZE:	60"
SKEW:	20° L.F.
ALIGNMENT:	TANGENT

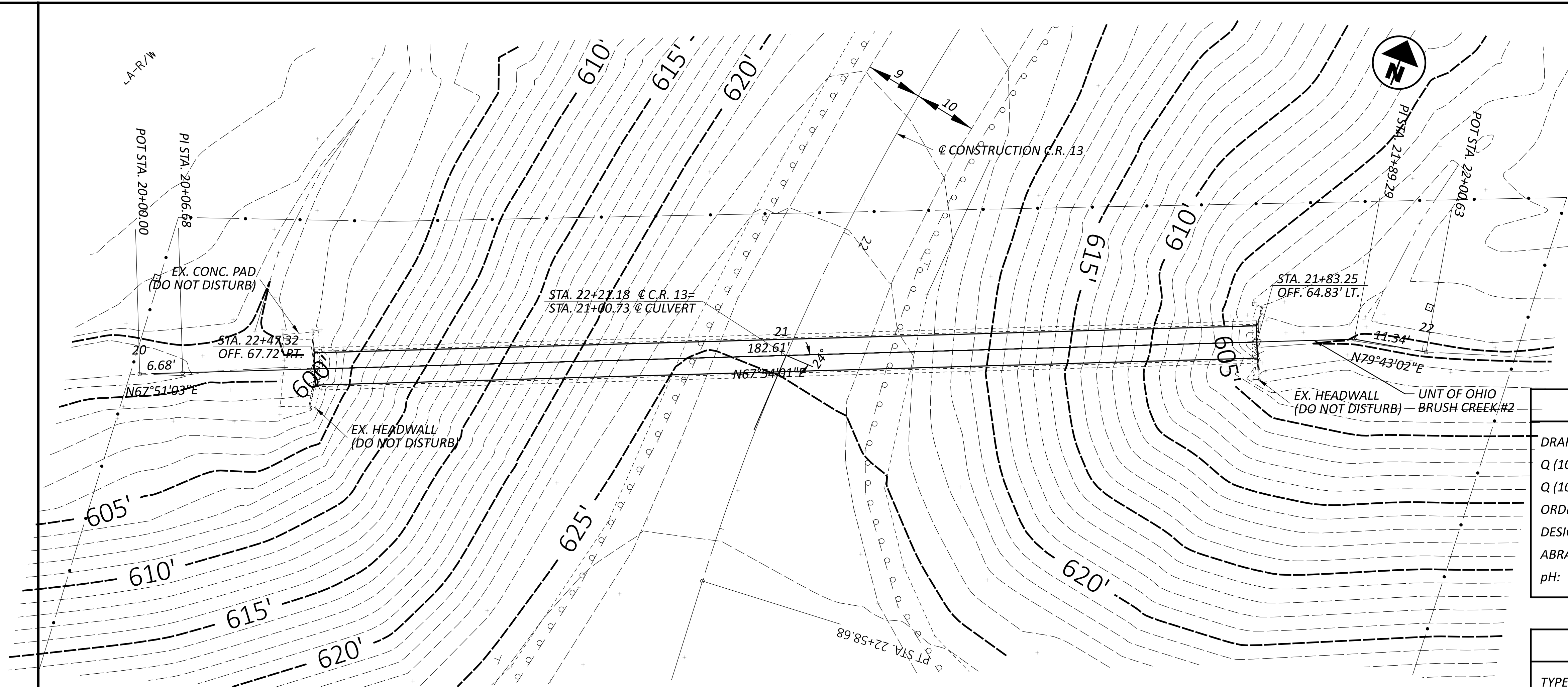


CULVERT DETAILS  
 ADA-32-11.98

DESIGN AGENCY



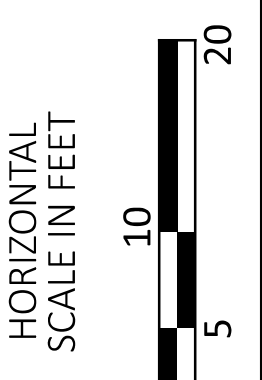
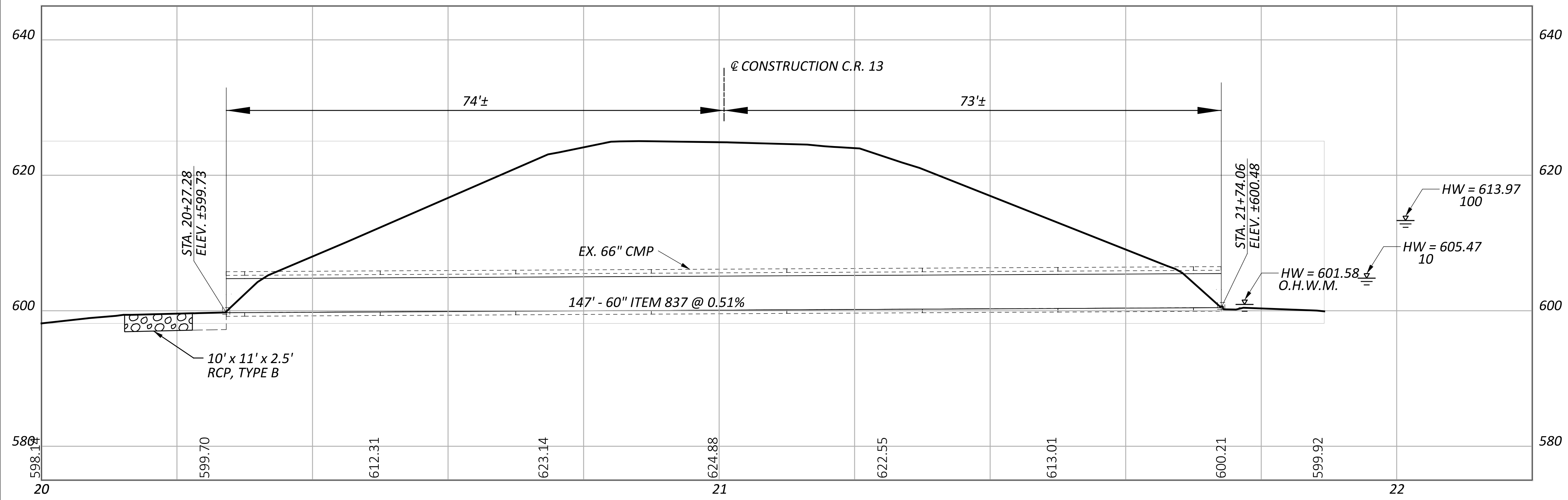
DESIGNER	MPG
REVIEWER	XXX MM-DD-YY
PROJECT ID	117528
SHEET	P.08
TOTAL	9



HYDRAULIC DATA		
DRAINAGE AREA =	102 ACRES	
Q (10) =	146 CFS	V (10) = 11 FT/S
Q (100) =	314 CFS	V (100) = 14 FT/S
ORDINARY HIGH WATER MARK:	601.58	HW (10) = 605.47
DESIGN SERVICE LIFE:	75 YEARS	HW (100) = 613.97
ABRASION LEVEL:	4	
pH:	8.0	

EXISTING STRUCTURE	
TYPE:	CORRUGATED METAL PIPE
SIZE:	66"
SKEW:	24°
ALIGNMENT:	TANGENT
DISPOSITION:	INSTALL ITEM 837, LINER PIPE
CFN:	1846127

PROPOSED STRUCTURE	
TYPE:	ITEM 837, LINER PIPE (748.06, 707.75, 707.85)
SIZE:	60"
SKEW:	24°
ALIGNMENT:	CURVE TO THE LEFT



CULVERT DETAILS  
 ADA-32-11.99

DESIGN AGENCY



DESIGNER  
 MPG

REVIEWER

XXX MM-DD-YY

PROJECT ID  
 117528

SHEET TOTAL  
 P.09 9