

TUS-212-7.84

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 7/31/2024 TIME: 3:33:24 PM USER: gcsosa  
pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 11\Tuscarawas\114184\400-Engineering\Roadway\Sheets\114184\_GG001.dgn

SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.03					P.12		P.18			OFFICE CALCS	01/STR/04	EXT	TOTAL				
															<b>ROADWAY</b>		
LS											LS	201	11000	LS	CLEARING AND GRUBBING		
							LS				LS	202	11000	LS	STRUCTURE REMOVED		
					259						259	202	23000	259	SY PAVEMENT REMOVED		
					200						200	202	38000	200	FT GUARDRAIL REMOVED		
					LS						LS	202	98000	LS	REMOVAL MISC.:TIMBER CRIBBING	P.04	
					788						788	203	10000	788	CY EXCAVATION		
					537						537	203	20000	537	CY EMBANKMENT		
											291	291	10000	291	SY SUBGRADE COMPACTION		
											260	260	50000	260	SY GEOTEXTILE FABRIC		
					200						200	606	15050	200	FT GUARDRAIL, TYPE MGS		
															<b>EROSION CONTROL</b>		
					94						94	601	32010	94	CY ROCK CHANNEL PROTECTION, TYPE A WITH AGGREGATE FILTER		
2											2	659	00100	2	EACH SOIL ANALYSIS TEST		
72											72	659	00300	72	CY TOPSOIL		
					786						786	659	10000	786	SY SEEDING AND MULCHING		
33											33	659	14000	33	SY REPAIR SEEDING AND MULCHING		
0.09											0.09	659	20000	0.09	TON COMMERCIAL FERTILIZER		
0.13											0.13	659	31000	0.13	ACRE LIME		
4											4	659	35000	4	MGAL WATER		
											10,000	832	30000	10,000	EACH EROSION CONTROL		
															<b>DRAINAGE</b>		
LS											LS	503	11100	LS	COFFERDAMS AND EXCAVATION BRACING		
							60				60	602	20000	60	CY CONCRETE MASONRY		
40											40	605	31100	40	FT AGGREGATE DRAINS		
							101				101	611	28000	101	FT 84" CONDUIT, TYPE A (706.02, 707.35, OR 707.85)		
															<b>PAVEMENT</b>		
											61	61	301	56000	61	CY ASPHALT CONCRETE BASE, PG64-22, (449)	
											134	134	304	20000	134	CY AGGREGATE BASE	
											28	28	407	10000	28	GAL TACK COAT	
											23	23	408	10001	23	GAL PRIME COAT, AS PER PLAN	P.03
											9	9	441	70100	9	CY ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
											13	13	441	70300	13	CY ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
															<b>TRAFFIC CONTROL</b>		
4											4	621	00100	4	EACH RPM		
4											4	621	54000	4	EACH RAISED PAVEMENT MARKER REMOVED		
					6						6	626	00110	6	EACH BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)		
0.04											0.04	646	10010	0.04	MILE EDGE LINE, 6"		
0.02											0.02	646	10200	0.02	MILE CENTER LINE		

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

GBS

REVIEWER

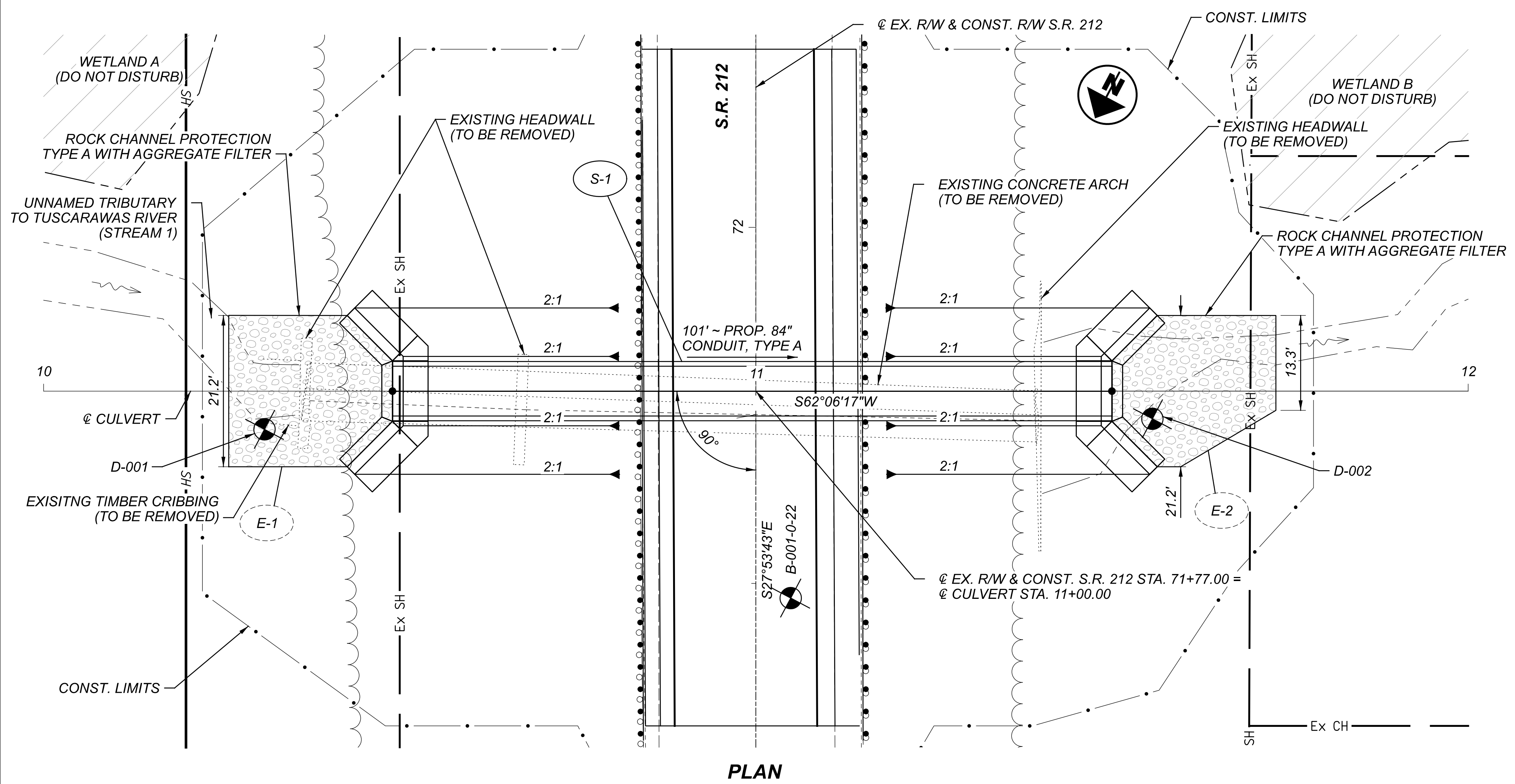
BSH 01/17/24

PROJECT ID

114184

SHEET TOTAL

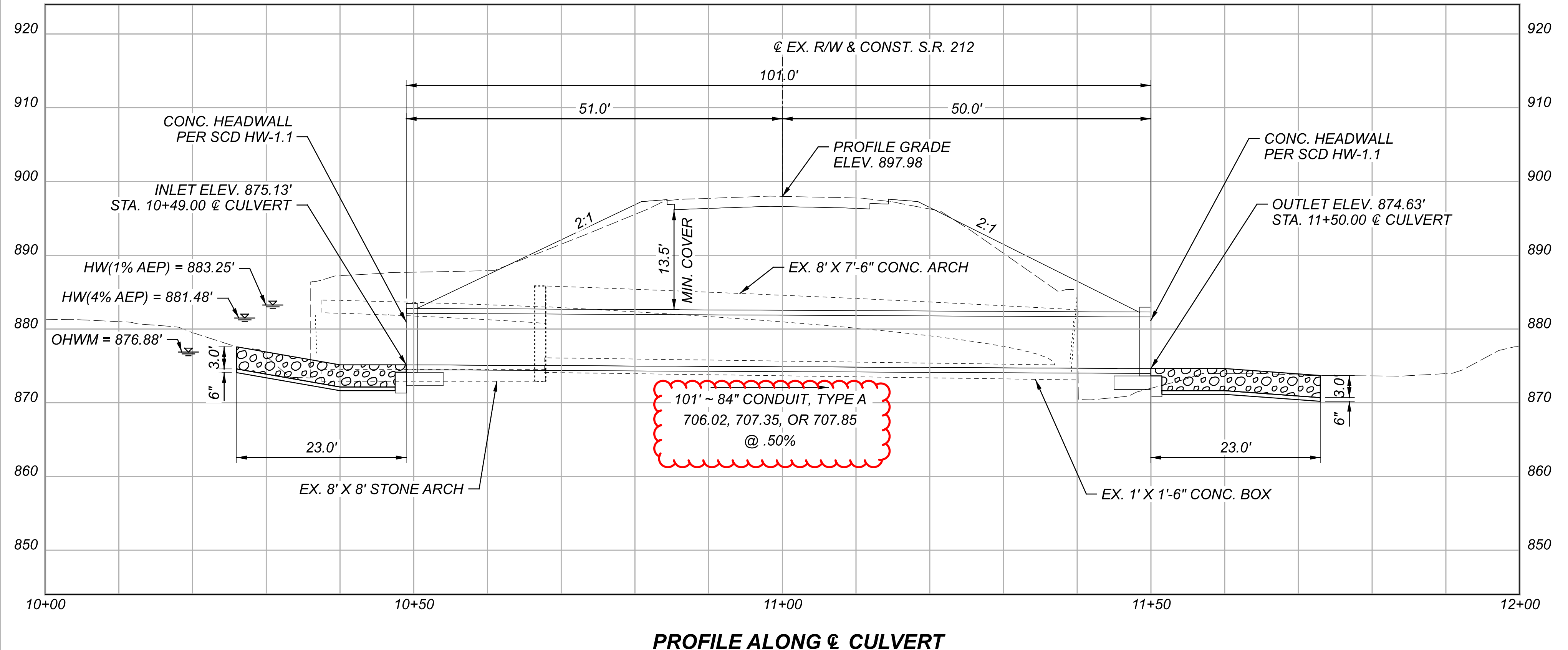
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HYDRAULIC DATA	
DRAINAGE AREA =	601.6 ACRES
Q (4% AEP) =	276 CFS V (4% AEP) = 13.09 FT/S HW (4% AEP) = 881.48 FT
Q (1% AEP) =	395 CFS V (1% AEP) = 14.15 FT/S HW (1% AEP) = 883.25 FT
ORDINARY HIGH WATER MARK:	876.88 FT ABRASION LEVEL: 2
DESIGN SERVICE LIFE:	75 YEARS pH: 8.8

EXISTING STRUCTURE	
TYPE:	CONCRETE ARCH & STONE ARCH
SIZE:	8' X 7'-6" ALIGNMENT: TANGENT
SKEW:	1°13' LT. FWD. DATE BUILT: UNKNOWN
CONDITION:	POOR CFN: 1824757

PROPOSED STRUCTURE	
TYPE:	84" CONDUIT, TYPE A 706.02, 707.35, OR 707.85
SKEW:	0°00'00"
ALIGNMENT:	TANGENT
CFN:	1982224



**LEGEND**

- WETLAND
- ROCK CHANNEL PROTECTION, TYPE A, WITH AGGREGATE FILTER.

S-1 ESTIMATED QUANTITIES	
ITEM 611 - 84" CONDUIT, TYPE A (706.02, 707.35, OR 707.85)	~ 101 FT
ITEM 602 - CONCRETE MASONRY	USE 60 CU. YD. ~ 29.6 CU. YD x 2 = 59.2 CU. YD.
ITEM 202 - STRUCTURE REMOVED	~ LS
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>	

