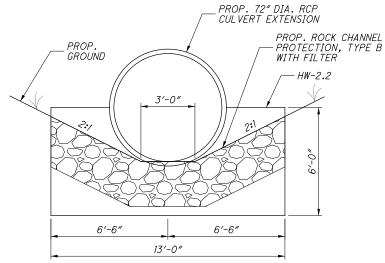
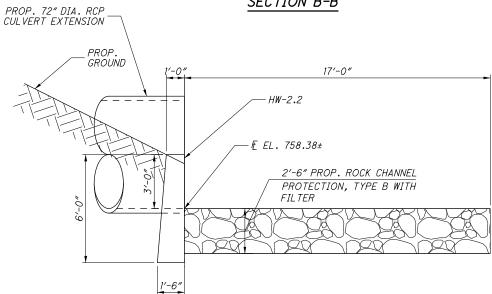
SHEET NUM.			PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEI SHEI					
213	256	263						01/IMS/P V	02/IMS/P V		EXT	TOTAL			NO
~~~	<b>_</b>													RETAINING WALLS (WALL 1)	
LS	) LS							LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
	270							270		503	21100	270	CY	UNCLASSIFIED EXCAVATION	
سس	12,152							12,152		509	10000	12,152	LB	EPOXY COATED REINFORCING STEEL	
	19							19		511	46010	19	CY	CLASS QCI CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
	45							45		511	46510	45	CY	CLASS QC1 CONCRETE, FOOTING	
														·	
	108							108		512	10050	108	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	9							9		512	33000	9	SY	TYPE 2 WATERPROOFING	
	14							14		516	13000	14	SF	1/4" PREFORMED EXPANSION JOINT FILLER	
	120							120		516	13600	120	SF	1" PREFORMED EXPANSION JOINT FILLER	
	5							5		516	31000	5	FT	JOINT SEALER	
	_									0.0	0,000				
	73							73		518	21200	73	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
	180							180		518	40000	180	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
	25							25		518	40010	25	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
	180							180		622	10161	180	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	256-2
	100							700		022	10101	700	, ,	ONORETE BARMEN, SINGEE SEGIE, THE BY AS TENTEAN	200 2
											<del> </del>				<del>                                     </del>
														NOISE BARRIERS	+
	1	366						366		202	75201	366	FT	FENCE REMOVED FOR REUSE, AS PER PLAN	264
		6						6		601	21050	6	SY	TIED CONCRETE BLOCK MAT, TYPE 1	202
		500						500		605	13300	500	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
		300						300		603	13300	300	FI	O UNCLASSIFIED PIPE UNDERDRAINS	
		9,504						9,504		SPECIAL	60610210	9,504	SF	NOISE BARRIER (REFLECTIVE)	262
															202
		<i>32</i> <i>3</i>						32		611 611	00510	<i>32</i> <i>3</i>	FT EACH	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS PRECAST REINFORCED CONCRETE OUTLET	
		3						3		6//	99710	3	EACH	PRECAST REINFORCED CONCRETE OUTLET	
														CTDUCTURE 20 FOOT CRAN AND UNDER (1012072)	
,								•		200	20010	,	E40!!	STRUCTURE 20 FOOT SPAN AND UNDER (1812232)	
								/		202	20010	1		HEADWALL REMOVED	
8								8		202	35200	8	FT	PIPE REMOVED, OVER 24"	
21								21		601	32100	21	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
2.8								2.8		602	20000	2.8	CY	CONCRETE MASONRY	
19								19		611	26000	19	FT	72" CONDUIT, TYPE A	
LS								LS		SPECIAL	69071000	LS		ASBESTOS ABATEMENT (CULVERT JOINT MATERIAL)	213
	1														1
	1														
															1
			+												<del>                                     </del>
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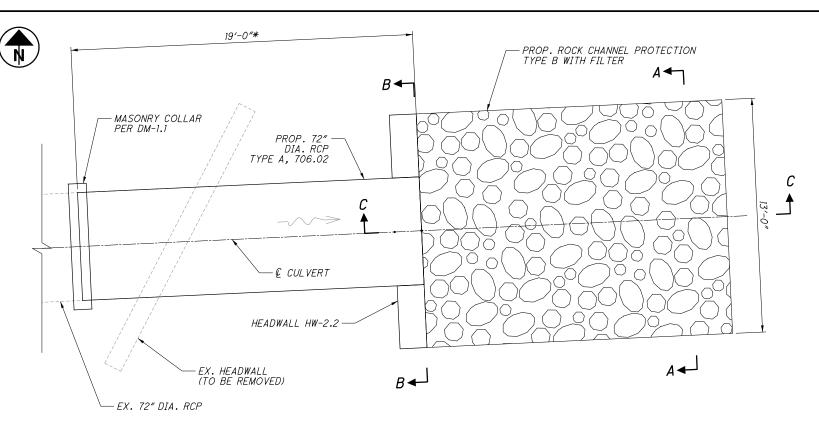




SECTION C-C

## LEGEND:

\* = DIMENSION MAY VARY AS DEPENDENT UPON FIRST JOINT LOCATION



## **OUTLET PLAN**

1					CALC.	DATE
				CCTIMATED OUANTITIES	BFK	8/22/18
				ESTIMATED QUANTITIES	CHK'D	DATE
					JDH	8/22/18
1	ITEM	ITEM EXT.	UNIT	DESCRIPTION	TOTAL	SHT. REF.
	202	20010	EACH	HEADWALL REMOVED	1	
	202	35200	FT	PIPE REMOVED, OVER 24"	8	
	601	32100	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	21	
J	602	20000	CY	CONCRETE MASONRY	2.8	
(	~503···		سنعلن	COFFERDAMS, AND 'EXCAVATION BRACING	LS	
	611	26000	FT	72" CONDUIT, TYPE A (706.02)	<del>ugu</del>	www
	SPECIAL	69071000		ASBESTOS ABATEMENT (CULVERT JOINT MATERIAL)	LS	213 / 264

## ITEM SPECIAL - ASBESTOS ABATEMENT (CULVERT JOINT MATERIAL):

AN ASBESTOS SURVEY OF THE BRIDGE AND CULVERT STRUCTURES SCHEDULED FOR DEMOLITION WAS COMPLETED IN NOVEMBER 2016 BY A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST (CAHES). THE SURVEY IDENTIFIED THE POTENTIAL/PRESUMED ASBESTOS CONTAINING MATERIALS AT THE LOCATIONS LISTED BELOW:

ASBESTOS ABATMENT TABLE								
CULVERT FILE NUMBER	ASBESTOS CONTAINING MATERIAL	LOCATION	ESTIMATED QUANTITY					
1812232	BLACK- JOINT SEALANT	JOINT BETWEEN PIPE SEGMENTS	4 S.F.					

THE QUANTITY OF 4 S.F. INCLUDES AN ESTIMATED 4 S.F. PER JOINT LOCATED ON THE INSIDE AND OUTSIDE OF THE PIPE FOR A TOTAL OF 1 JOINT.

A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM WITH SECTIONS I-VII AND XVI COMPLETED IS AVAILABLE AT THE ODOT DISTRICT 6 OFFICE (PLANNING DEPARTMENT). THE FORM MUST BE SUBMITTED TO OEPA AT LEAST 10 DAYS PRIOR TO DEMOLITION/RENOVATION ACTIVITIES.

A LICENSED CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS ARE POSSIBLE TO ENSURE THAT THE ASBESTOS CONTAINING MATERIAL (ACM) DOES NOT BECOME FRIABLE. TO ASSURE THAT THE NONFRIABLE ASBESTOS MATERIAL DOES NOT BECOME FRIABLE OR IN THE EVENT THAT THE NONFRIABLE MATERIAL BECOMES FRIABLE, THE CONTRACTOR SHALL PROVIDE AN INDIVIDUAL TRAINED IN THE PROVISIONS OF NESHAP THAT WILL BE ON-SITE DURING THE DEMOLITION AND/OR REMOVAL OF THE ACM. ALL ACMS SHALL BE PROPERLY CONTAINERIZED, TRANSPORTED, AND DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

BASIS OF PAYMENT: THE CONTRACTOR SHALL FURNISH ALL THE LABOR (INCLUDING CAHES), EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE, SUBMIT, AND COMPLY WITH THE OEPA NOTIFICATION FOR AND TO REMOVE, TRANSPORT AND DISPOSE OF ASBESTOS CONTAINING MATERIALS IN A LICENSED (BY THE LOCAL HEALTH DEPARTMENT) AND PERMITTED (BY THE OEPA) SOLID WASTE FACILITY. PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT PRICES BID LUMP SUM. THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE RESPECTIVE CULVERT ESTIMATED QUANTITIES FOR THE WORK NOTED ABOVE: 690E71000 ITEM SPECIAL - ASBESTOS ABATEMENT (CULVERT JOINT MATERIAL), LUMP SUM

FOR ADDITIONAL INFORMATION SEE PROJECT ASBESTOS REPORT DATED 11/10/2016.

SECTION B-B

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CULVERT DETAIL

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