


SHEET												PARTICIPATION				ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.11-P.13	P.14-P.17	P.23	P.25	P.27	P.28	P.44	P.45	P.52	P.53	P.56	P.57	P.58	01/NHS/05	02/NHS/05/GROV	03/S>2/05						
<b>ROADWAY</b>																					
													LS	LS			201	11000	LS	CLEARING AND GRUBBING	
						60							60				202	23000	60	PAVEMENT REMOVED	
						53							53				202	35100	53	PIPE REMOVED, 24" AND UNDER	
					200								100	100			202	38001	200	GUARDRAIL REMOVED, AS PER PLAN	P.11
					4								2	2			202	42001	4	ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	P.11
					4								2	2			202	47001	4	BRIDGE TERMINAL ASSEMBLY REMOVED, AS PER PLAN	P.11
								22					22				203	10000	22	EXCAVATION	
								2					2				203	20000	2	EMBANKMENT	
					144								70	74			203	20001	144	EMBANKMENT, AS PER PLAN	P.11
					275								125	150			606	15100	275	GUARDRAIL, TYPE MGS WITH LONG POSTS	
					4								2	2			606	26151	4	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	P.11
					4								2	2			606	35141	4	BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	P.11
200													200				606	98000	200	GUARDRAIL, MISC.: PANEL REPLACEMENT	P.11
4													4				623	39500	4	MONUMENT ASSEMBLY ADJUSTED TO GRADE	
<b>EROSION CONTROL</b>																					
44							33						54	23			659	00300	77	TOPSOIL	
432							315						525	222			659	10000	747	SEEDING AND MULCHING	
22							16						27	11			659	14000	38	REPAIR SEEDING AND MULCHING	
22							16						27	11			659	15000	38	INTER-SEEDING	
0.06							0.04						0.07	0.03			659	20000	0.10	COMMERCIAL FERTILIZER	
0.09							0.07						0.11	0.05			659	31000	0.16	LIME	
2							2						3	1			659	35000	4	WATER	
							185						185				670	00700	185	DITCH EROSION PROTECTION	
													700	300			832	30000	1000	EROSION CONTROL	
<b>DRAINAGE</b>																					
						0.9							0.9				602	20000	0.9	CONCRETE MASONRY	
						53							53				611	10200	53	24" CONDUIT, TYPE A, 706.02, 707.01 ALUMINIZED, 707.04, 707.65	
4														4			611	99654	4	MANHOLE ADJUSTED TO GRADE	
<b>PAVEMENT</b>																					
1570			3430										5000				251	01041	5000	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN, 6"	P.12
				96061									45445	50616			254	01000	96061	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
48		1672													1368	352	255	10500	1720	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS RRCM, 9"	
216		6036													4980	1272	255	20000	6252	FULL DEPTH PAVEMENT SAWING	
48		1672													1368	352	257	10000	1720	DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT	
		2100																			
															1278	822	258	10000	2100	RETROFIT DOWEL BAR	
						10							10				304	20001	10	AGGREGATE BASE, AS PER PLAN	P.12
				8176									3871	4305			407	20000	8176	NON-TRACKING TACK COAT	
				105									55	50			409	30000	105	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
				2588									1702	886			441	10000	2588	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22	
						124							94	30			441	70000	124	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
						1215							102	1113			442	10000	1215	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
						81								81			442	22100	81	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	
						60							60				452	19200	60	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	
						307							203	104			617	10100	307	COMPACTED AGGREGATE	
						5467							3595	1872			617	20000	5467	SHOULDER PREPARATION	
2	1												2	1			617	25000	3	WATER	
		426													360	66	SPECIAL	69098000	426	INSTALLATION OF DEFORMED BAR (CROSS STITCHING)	P.12
<b>WATER WORK</b>																					
4														4			638	10800	4	VALVE BOX ADJUSTED TO GRADE	

GENERAL SUMMARY

DESIGN AGENCY

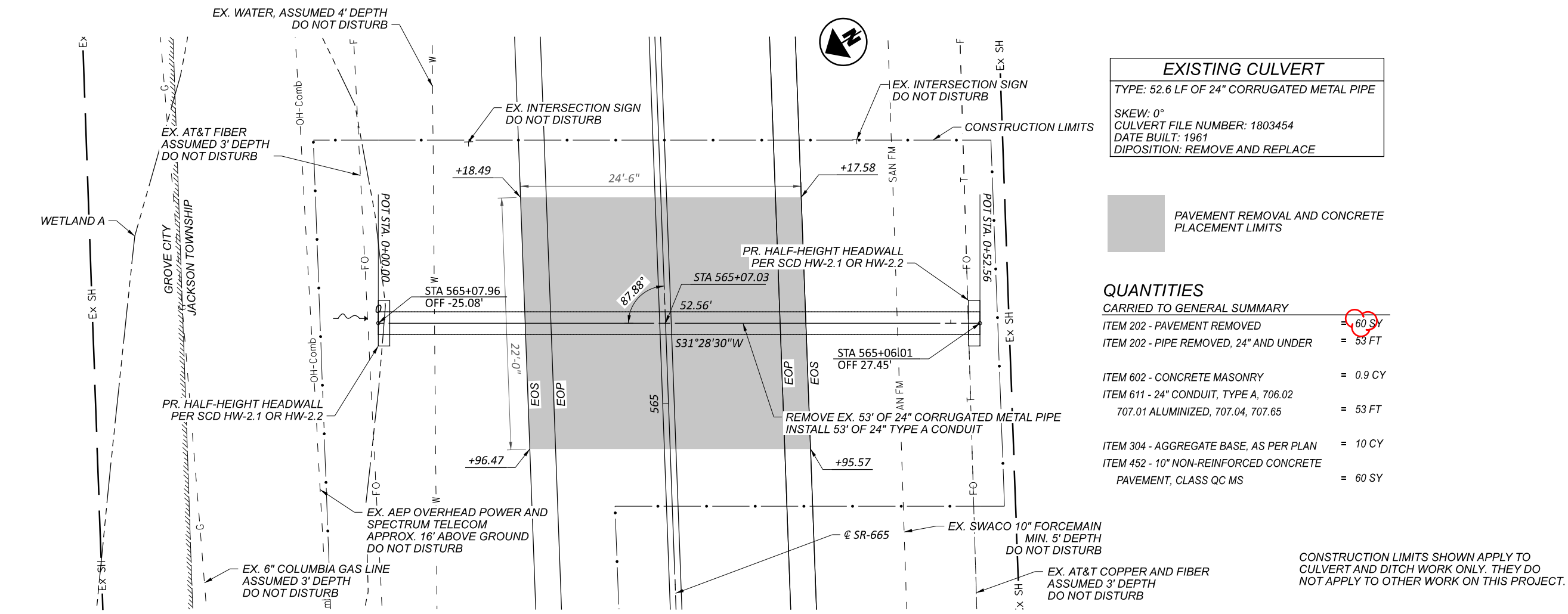


DESIGNER  
KLM

REVIEWER  
AMH 11/03/22

PROJECT ID  
112800

SHEET TOTAL  
P.20 58



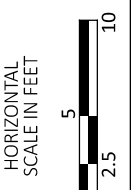
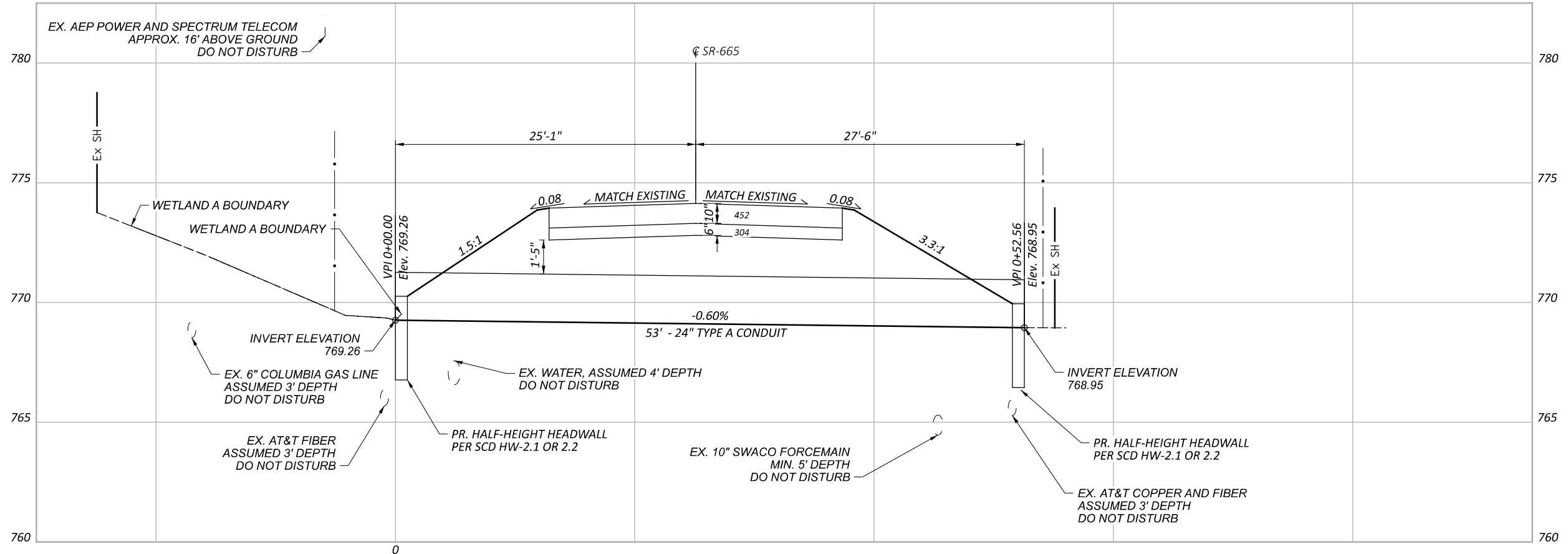
**EXISTING CULVERT**  
 TYPE: 52.6 LF OF 24" CORRUGATED METAL PIPE  
 SKEW: 0°  
 CULVERT FILE NUMBER: 1803454  
 DATE BUILT: 1961  
 DIPOSITION: REMOVE AND REPLACE

PAVEMENT REMOVAL AND CONCRETE PLACEMENT LIMITS

**QUANTITIES**  
 CARRIED TO GENERAL SUMMARY

ITEM 202 - PAVEMENT REMOVED	= 60 SY
ITEM 202 - PIPE REMOVED, 24" AND UNDER	= 53 FT
ITEM 602 - CONCRETE MASONRY	= 0.9 CY
ITEM 611 - 24" CONDUIT, TYPE A, 706.02	
707.01 ALUMINIZED, 707.04, 707.65	= 53 FT
ITEM 304 - AGGREGATE BASE, AS PER PLAN	= 10 CY
ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	= 60 SY

CONSTRUCTION LIMITS SHOWN APPLY TO CULVERT AND DITCH WORK ONLY. THEY DO NOT APPLY TO OTHER WORK ON THIS PROJECT.



**CULVERT DETAIL**  
 FRA-665-10.70

DESIGN AGENCY



DESIGNER  
 KLM

REVIEWER  
 JA 11/03/22

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 112800

SHEET TOTAL  
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