


SHEET NUM.													PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
4	5	10	11	12	13	16	20	21	22	23	24	25	01/S>2/04	02/NHS/04	03/STR/04							
			LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	201	11000	LS		ROADWAY		
												1	1			202	11004	1	EACH	CLEARING AND GRUBBING		
					2	2						2	4	2		202	20010	6	EACH	STRUCTURE REMOVED		
		211											133.2	77.8		202	23000	211	SY	HEADWALL REMOVED		
					80	60							140			202	35200	140	FT	PAVEMENT REMOVED		
												1		1		202	42010	1	EACH	PIPE REMOVED, OVER 24"		
				56											56	SPECIAL	20270130	56	FT	ANCHOR ASSEMBLY REMOVED, TYPE E	14	
		105		10			45						45		115	209	10000	160	FT	PIPE CLEANOUT OVER 48"		
					3	83							67	86	67	203	10000	153	CY	DITCH CLEANOUT		
					92	274							27	366	27	203	20000	393	CY	EXCAVATION		
																				EMBANKMENT		
					65	36.5							55	101.5	55	203	35141	156.5	CY	EXCAVATION	4	
		231											146	85		204	10000	231	SY	GRANULAR MATERIAL, TYPE E, AS PER PLAN		
					65	36.5							55	101.5	55	204	13001	156.5	CY	SUBGRADE COMPACTION		
					256	163							169	419	169	204	50000	588	SY	EXCAVATION OF SUBGRADE, AS PER PLAN	4	
			LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS		503	11101	LS		GEOTEXTILE FABRIC		
																				COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	4	
						162.5							162.5			606	15050	162.5	FT			
					2								2			606	26550	2	EACH	GUARDRAIL, TYPE MGS		
12													8	4		623	40500	12	EACH	ANCHOR ASSEMBLY, MGS TYPE T		
													LS	LS		878	25000	LS		REFERENCE MONUMENT	4	
																				INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS		
					15.7	9.5	4.6						9.7	29.8	9.7	601	32100	39.5	CY	EROSION CONTROL		
1,354													897	365	92	659	00300	1,354	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER		
12,200													8,083	3,291	826	659	10000	12,200	SY	TOPSOIL		
1.65													1.09	0.44	0.12	659	20000	1.65	TON	SEEDING AND MULCHING		
2.52													1.67	0.68	0.17	659	31000	2.52	ACRE	COMMERCIAL FERTILIZER		
65.9													43.6	17.8	4.5	659	35000	65.9	MGAL	LIME		
													5,000	5,000	5,000	832	30000	15,000	EACH	WATER		
																				EROSION CONTROL		
																				DRAINAGE		
				3.08	5	9.9							17.6	14.9	17.6	3.08	602	20000	35.58	CY	CONCRETE MASONRY	
						82								82		611	20700	82	FT	48" CONDUIT, TYPE A, 707.02 Aluminized, 706.02, 707.04		
													76		76	611	22200	76	FT	54" CONDUIT, TYPE A, 707.02 Aluminized, 706.02, 707.33, 707.04		
					98									98		611	58900	98	FT	87" X 63" CONDUIT, TYPE A, 707.02 Aluminized, 707.04		
				56											56	611	96550	56	FT	FIELD PAVING OF EXISTING PIPE, 72"x44" CMP ARCH		
							162						162			611	96550	162	FT	FIELD PAVING OF EXISTING PIPE, 96" CMP		
								20	268		338		338	268		611	96550	606	FT	FIELD PAVING OF EXISTING PIPE, 60" CMP		
													20			843	50000	20	SF	PATCHING CONCRETE STRUCTURES WITH TROWELABLE MORTAR		
			77													899	10000	77	FT	CURED-IN-PLACE PIPE LINER, 50"x31" CMP ARCH		
								44		108			44	108		899	10000	152	FT	CURED-IN-PLACE PIPE LINER, 58"x36" CMP ARCH		
																				PAVEMENT		
		417											283.6	133.4		254	01000	417	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3" DEPTH		
		54											34	20		301	56000	54	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		
		37											23	14		304	20000	37	CY	AGGREGATE BASE		
		107											71	36		407	10000	107	GAL	TACK COAT		
		53											35	18		441	70000	53	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
																				TRAFFIC CONTROL		
					1	1							1	2	1	621	00100	3	EACH	RPM		
					1	1							1	2	1	621	54000	3	EACH	RAISED PAVEMENT MARKER REMOVED		
						4							2	4	2	626	00110	6	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)		
					0.02	0.02							0.02	0.04	0.02	642	00104	0.06	MILE	EDGE LINE, 6", TYPE 1		
					0.01	0.01							0.01	0.02	0.01	642	00300	0.03	MILE	CENTER LINE, TYPE 1		
																				MAINTENANCE OF TRAFFIC		
	120												80	40		614	11110	120	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE		
													LS	LS		614	12420	LS		DETOUR SIGNING		
																				INCIDENTALS		
													LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC		
													LS	LS	SPECIAL	62399000	LS			CONSTRUCTION LAYOUT STAKES AND SURVEYING		
													LS	LS	LS	624	10000	LS		MOBILIZATION		

GENERAL SUMMARY

DESIGN AGENCY



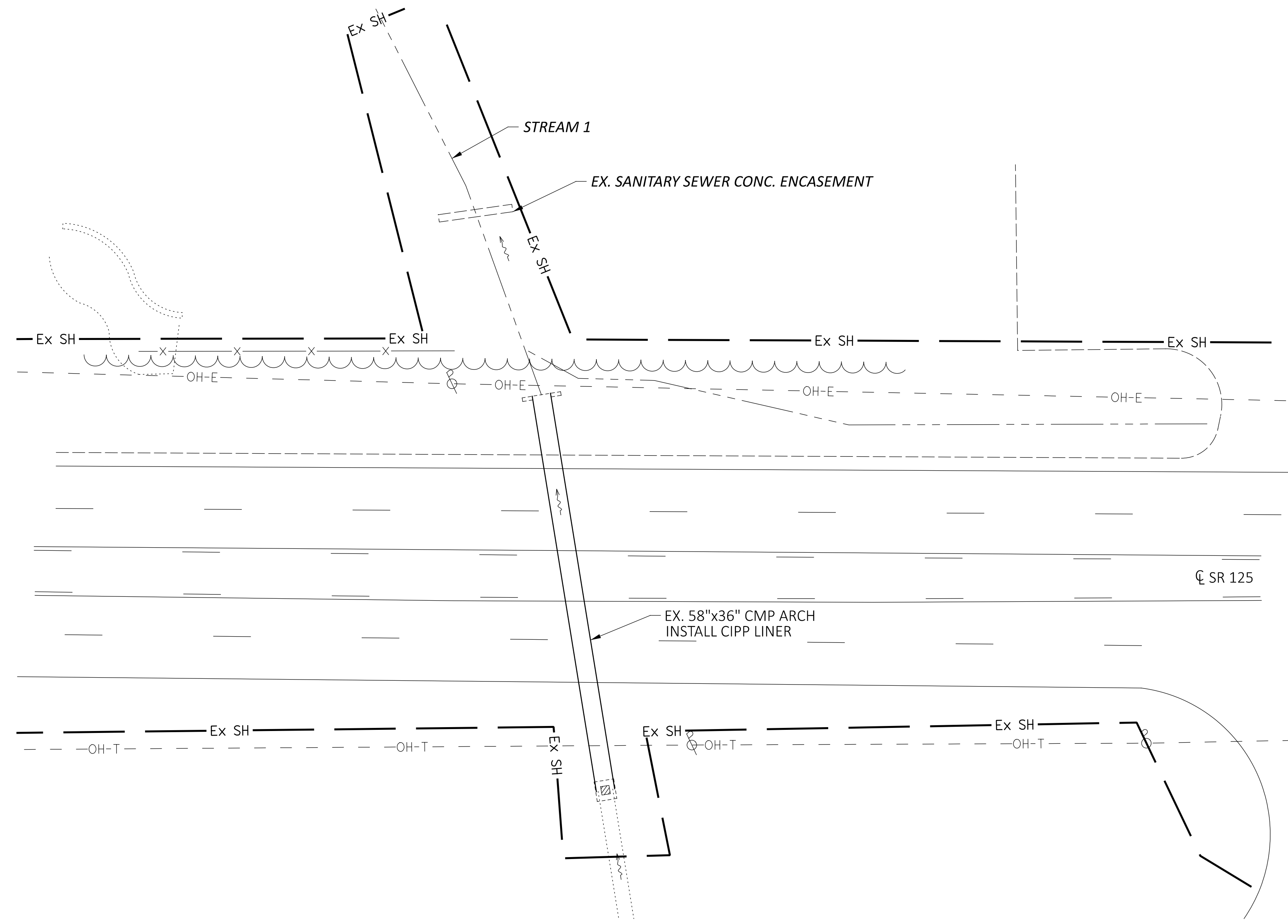
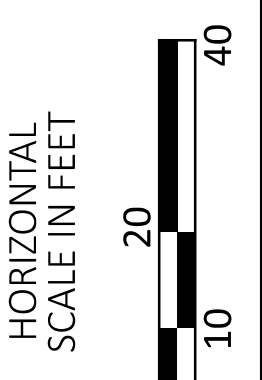
DESIGNER
MLB

REVIEWER
TRB 12-16-22

PROJECT ID
110090

SHEET TOTAL
09 | 52

PROJECT EARTH DISTURBED AREA: 0.12 ACRES
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.1 ACRES
 NOTICE OF INTENT EARTH DISTURBED AREA: NO NOI REQUIRED (ROUTINE MAINTENANCE)



REHABILITATE CULVERT CLE-125-0477 BY PERFORMING THE FOLLOWING WORK:
 1. INSTALL CURED-IN-PLACE PIPE LINER PER SS 899.

EXISTING STRUCTURE	
TYPE:	CMP ARCH
SIZE:	58"x36", 108' LONG
SKEW:	11°
ALIGNMENT:	TANGENT
CULVERT FILE NUMBER (CFN):	1806727
DATE BUILT:	1957
CONDITION:	FAIR
COORDINATES:	LATITUDE: 39.040950 LONGITUDE: -84.236799
STREAM NAME:	STREAM 1
OHWM:	886.39

ESTIMATED QUANTITIES (CARRIED TO GENERAL SUMMARY)			
ITEM	QUANTITY	UNIT	DESCRIPTION
503	LS	LS	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN
899	108	FT	CURED-IN-PLACE PIPE LINER, 58"x36"

EXISTING STRUCTURE VERIFICATION
 DETAILS AND DIMENSIONS SHOWN ON THESE PROPOSED PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, SUCH DETAILS AND DIMENSIONS ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04. BASE THE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

CLE-125-0477
 CULVERT PLAN & DETAILS

DESIGN AGENCY

DESIGNER
MLB

REVIEWER
 TRB 12-16-22

PROJECT ID
 110090

SHEET TOTAL
 23 52