

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
17-18	19	21	102	137	229	253	342	377	382, 383	OFFICE CALCS	01/IMS/ PV	02/NFP/B R							07/IMS/ BR
<b>ROADWAY</b>																			
LS											LS			201	11000	LS	CLEARING AND GRUBBING		
			7								7			202	20010	7	EACH	HEADWALL REMOVED	
											14,398			202	23000	14,398	SY	PAVEMENT REMOVED	
			675								17,349			202	30000	18,024	SF	WALK REMOVED	
			60								60			202	30700	60	FT	CONCRETE BARRIER REMOVED	
											34			202	30800	34	SY	TRAFFIC ISLAND REMOVED	
											4,165			202	32000	4,165	FT	CURB REMOVED	
			1,425		219	310					1,954			202	35100	1,954	FT	PIPE REMOVED, 24" AND UNDER	
						1,374					625	749		202	35101	1,374	FT	PIPE REMOVED, 24" AND UNDER, AS PER PLAN	252
			965								965			202	35200	965	FT	PIPE REMOVED, OVER 24"	
			6,348								6,348			202	38000	6,348	FT	GUARDRAIL REMOVED	
			4,913								4,913			202	48000	4,913	FT	CABLE BARRIER REMOVED	
			1								1			202	53100	1	EACH	MAILBOX REMOVED	
			9		2						11			202	58000	11	EACH	MANHOLE REMOVED	
			23								23			202	58100	23	EACH	CATCH BASIN REMOVED	
											2			202	58700	2	EACH	MANHOLE ABANDONED	
	50		50		529						629			SPECIAL	20270000	629	FT	FILL AND PLUG EXISTING CONDUIT	21 & 227
			732								3,484			202	75000	3,484	FT	FENCE REMOVED	
						2			2,752		2			202	75610	2	EACH	VALVE BOX REMOVED	
			1								1			202	98100	1	EACH	REMOVAL MISC.: CONCRETE SLAB REMOVAL	17
											19,653			203	10000	19,653	CY	EXCAVATION	
											1,971			203	10001	1,971	CY	EXCAVATION, AS PER PLAN	19
											49,793			203	20000	49,793	CY	EMBANKMENT	
6											6			SPECIAL	20365000	6	EACH	SETTLEMENT PLATFORM	18
											28,943			204	10000	28,943	SY	SUBGRADE COMPACTION	
											5,145			204	13000	5,145	CY	EXCAVATION OF SUBGRADE	20
											5,145			204	30010	5,145	CY	GRANULAR MATERIAL, TYPE B	20
	12										12			204	45000	12	HOUR	PROOF ROLLING	
											15,355			204	50000	15,355	SY	GEOTEXTILE FABRIC	20
											42			209	15001	42	STA	RESHAPING UNDER GUARDRAIL, AS PER PLAN	19
	152										152			209	60201	152	STA	LINEAR GRADING, AS PER PLAN	19
			12,218								12,218			606	15050	12,218	FT	GUARDRAIL, TYPE MGS	
			3,412								3,412			606	15550	3,412	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS	
			4								4			606	26050	4	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
			8								8			606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
			8								8			606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
			6								6			606	35002	6	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
			1								1			SPECIAL	60655150	1	EACH	CABLE BARRIER, ANCHOR ASSEMBLY	19
											1			606	60028	1	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL) 65MPH DESIGN SPEED, 24" WIDTH	
											2,688			607	23000	2,688	FT	FENCE, TYPE CLT	
							584							607	39900	584	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
							864							607	39994	864	FT	TEMPORARY VANDAL FENCE, TYPE B	
							LS					LS		607	98200	LS		FENCE, MISC.: ALUMINUM LETTERING	371
											15,957			608	10001	15,957	SF	4" CONCRETE WALK, AS PER PLAN	20
			2,126								2,126			608	52000	2,126	SF	CURB RAMP	
			63								63			622	10160	63	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
			2								2			622	25000	2	EACH	CONCRETE BARRIER END SECTION, TYPE D	
			1								1			622	25050	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
											2			623	38500	2	EACH	MONUMENT ASSEMBLY	
											17			623	40500	17	EACH	REFERENCE MONUMENT	
											4			625	32000	4	EACH	GROUND ROD	
			1					4			1			SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	

GENERAL SUMMARY

DESIGN AGENCY  
**EUTHENICS**  
 6225 Walnut Dr., Cleveland, OH 44130

DESIGNER  
 COM

REVIEWER  
 ANC 05/26/22

PROJECT ID  
 104983

SHEET TOTAL  
 P.94 P.445

SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
21	22	28	32	102	103	104	290	OFFICE CALCS	01/IMS/ PV	02/NFP/B R	07/IMS/ BR							
<b>DRAINAGE ALTERNATES</b>																		
									1,330				611	04400	1,330	FT	12" CONDUIT, TYPE B (ALTERNATE 1)	
									132				611	04600	132	FT	12" CONDUIT, TYPE C (ALTERNATE 1)	
									348				611	05900	348	FT	15" CONDUIT, TYPE B (ALTERNATE 1)	
									14				611	06100	14	FT	15" CONDUIT, TYPE C (ALTERNATE 1)	
									159				611	07400	159	FT	18" CONDUIT, TYPE B (ALTERNATE 1)	
									24				611	07600	24	FT	18" CONDUIT, TYPE C (ALTERNATE 1)	
									8				611	09100	8	FT	21" CONDUIT, TYPE C (ALTERNATE 1)	
									50				611	09400	50	FT	21" CONDUIT, TYPE D (ALTERNATE 1)	
									326				611	10400	326	FT	24" CONDUIT, TYPE B (ALTERNATE 1)	
									5				611	10600	5	FT	24" CONDUIT, TYPE C (ALTERNATE 1)	
									10				611	11900	10	FT	27" CONDUIT, TYPE B (ALTERNATE 1)	
									176				611	13400	176	FT	30" CONDUIT, TYPE B (ALTERNATE 1)	
										96			611	16400	96	FT	36" CONDUIT, TYPE B (ALTERNATE 1)	
										247			611	19600	247	FT	42" CONDUIT, TYPE C (ALTERNATE 1)	
										421			611	21100	421	FT	48" CONDUIT, TYPE C (ALTERNATE 1)	
	1,330								1,330				611	04401	1,330	FT	12" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	132								132				611	04601	132	FT	12" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	348								348				611	05901	348	FT	15" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	14								14				611	06101	14	FT	15" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	159								159				611	07401	159	FT	18" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	24								24				611	07601	24	FT	18" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	8								8				611	09101	8	FT	21" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	50								50				611	09401	50	FT	21" CONDUIT, TYPE D, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	326								326				611	10401	326	FT	24" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	5								5				611	10601	5	FT	24" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	10								10				611	11901	10	FT	27" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	176								176				611	13401	176	FT	30" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	96								96				611	16401	96	FT	36" CONDUIT, TYPE B, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	247								247				611	19601	247	FT	42" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
	421								421				611	21101	421	FT	48" CONDUIT, TYPE C, AS PER PLAN, 706.02 (ALTERNATE 2)	22
<b>PAVEMENT</b>																		
								737	737			254	01000	737	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25")		
								4,173	4,173			254	01000	4,173	SY	PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS)		
			23						23			254	01000	23	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.5" DEPTH)	28	
								1,063	1,063			302	56001	1,063	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN (PG64-22)	22	
								4,833	4,833			304	20000	4,833	CY	AGGREGATE BASE		
								1,247	1,247			407	20000	1,247	GAL	NON-TRACKING TACK COAT		
							8		8			411	10000	8	CY	STABILIZED CRUSHED AGGREGATE		
								130	130			441	70801	130	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	22	
								603	603			442	00100	603	CY	ANTI-SEGREGATION EQUIPMENT		
								417	421			442	10001	421	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN (PG76-22M)	22	
								391	391			442	10100	391	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) (T= 1.75")		
								126	126			442	10100	126	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) (VARIABLE THICKNESS)		
								3,206	13,206			451	15070	13,206	SY	11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		
								133	133			SPECIAL	45130000	133	FT	PRESSURE RELIEF JOINT, TYPE A	22	
								8,972	8,972			452	15020	8,972	SY	12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA		
								3,793	3,793			609	14000	3,793	FT	CURB, TYPE 2-A		
								108	500			609	26000	500	FT	CURB, TYPE 6		
									288				609	72000	288	SY	CONCRETE MEDIAN	
								0.59	0.59				618	40601	0.59	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	22

GENERAL SUMMARY

DESIGN AGENCY	EUTHENICS
DESIGNER	COM
REVIEWER	ANC 05/26/22
PROJECT ID	104983
SHEET	P.96
TOTAL	P.445