

ITEM 206 – CEMENT STABILIZED SUBGRADE:

THE CEMENT STABILIZED SUBGRADE IS REQUIRED AS PART OF THE STRUCTURAL DESIGN OF THE PAVEMENT. ANY CHANGES TO THE STABILIZATION MAY REQUIRE ADDITIONAL PAVEMENT THICKNESS. CONTACT THE OFFICE OF PAVEMENT ENGINEERING PRIOR TO ANY NON-PERFORMANCE OR CHANGES TO THE CEMENT STABILIZED SUBGRADE.

DUE TO RAMP CLOSURE DURATION REQUIREMENTS, SUBGRADE AREAS AS SHOWN BELOW ARE TO BE CONSTRUCTED AS EXCAVATE AND REPLACE AND CEMENT STABILIZED SUBGRADE WILL NOT BE REQUIRED IN THESE AREAS. EXCAVATE AND REPLACE AREAS SHALL BE EXCAVATED 12" BELOW SUBGRADE AND REPLACED WITH A FABRIC AT THE BOTTOM OF THE EXCAVATION AND GRANULAR MATERIAL.

LOCATIONS

- 80+50 TO 83+00 LEFT
- 81+55 TO 82+60 RIGHT
- 93+30 TO 94+85 LEFT
- 93+50 TO 95+50 RIGHT

THE FOLLOWING ITEMS HAVE BEEN ADDED TO THE GENERAL SUMMARY TO EXCAVATE AND REPLACE THE SUBGRADE.

ITEM 204, EXCAVATION OF SUBGRADE	1,196 CY
ITEM 204, GRANULAR MATERIAL, TYPE B	1,196 CY
ITEM 204, GEOTEXTILE FABRIC	3,590 SY

WATERLINE NOTES

SPECIFICATIONS:

ALL WATER WORKS ON THIS PROJECT SHALL CONFORM TO THE MID-OHIO WATER & SEWER DISTRICT WATER DIVISION SPECIFICATIONS, UPDATED NOVEMBER 2024.

PAYMENT:

ALL WORK AND MATERIALS REQUIRED TO COMPLETE THE WATERWORKS AS SPECIFIED IN THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE BID PRICE FOR THE VARIOUS ITEMS.

DESCRIPTION OF WORK - FOR INFORMATION ONLY:

RELOCATE 16" WATER MAIN:
 54+21, 39.5 LT, BEGIN RELOCATION 45° HORIZONTAL BEND
 54+25, 43.5 LT, 45° HORIZONTAL BEND
 54+56, 43.5 LT, 45° HORIZONTAL BEND
 54+60, 39.5 LT, 45° HORIZONTAL BEND, END RELOCATION

RELOCATE 16" WATER MAIN:
 57+75, 37 LT BEGIN RELOCATION 45° HORIZONTAL BEND
 57+87, 49 LT, 45° HORIZONTAL BEND
 61+80, 53 LT, 90° HORIZONTAL BEND
 61+80, 29.5 LT, END RELOCATION

RELOCATE 16" WATER MAIN:
 73+10, 61 RT, BEGIN RELOCATION 45° VERTICAL BEND
 73+15, 61 RT, 45° VERTICAL BEND
 73+59, 61 RT, 90° HORIZONTAL BEND, TOP OF WATERLINE MUST BE BELOW 992.5 TO PROVIDE CLEARANCE UNDER DITCH
 73+59, 33 RT, 90° HORIZONTAL BEND
 73+50, 33 RT, 45° VERTICAL BEND
 73+45, 33 RT, 45° VERTICAL BEND
 73+35, 33 RT, 90° HORIZONTAL BEND, END RELOCATION

RELOCATE SERVICE LINES:
THE DEPTHS OF THE SERVICE LINES ARE UNKNOWN. IT IS ANTICIPATED THAT PROPOSED DRAINAGE STRUCTURES MAY BE IN CONFLICT. THEREFORE QUANTITIES HAVE BEEN ADDED TO RELOCATE SERVICE LINES FOUND TO BE IN CONFLICT.

DESIGN AGENCY



DESIGNER

ERM

REVIEWER

JEL 08/28/24

PROJECT ID

109072

SHEET TOTAL

P.007A 208

SHEET NUMBER										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
P.006	P.007	P.007A	P.063	P.064	P.065	P.066	P.176	P.177	OFFICE CALCS	01/STR	02/STR	03/NHS	04/NHS							
									LS		LS			LS	201	11000	LS		CLEARING AND GRUBBING	
			24								21		3		202	20010	24	EACH	HEADWALL REMOVED	
							5,582		34,288	9,814	3,627	24,474	1,955		202	23000	39,870	SY	PAVEMENT REMOVED	
					266								266		202	30700	266	FT	CONCRETE BARRIER REMOVED	P.007
							948		186	186	948				202	32000	1,134	FT	CURB REMOVED	
					2,211						12.5		2,198.5		202	38000	2,211	FT	GUARDRAIL REMOVED	
					2								2		202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
					2						2				SPECIAL	20252990	2	EACH	PARKING BLOCK REMOVED	P.007
						4							4		202	53100	4	EACH	MAILBOX REMOVED	P.066
	1										1				202	67000	1	EACH	REGULATED UNDERGROUND STORAGE TANK REMOVED	
					375	259					375		259		202	75000	634	FT	FENCE REMOVED	P.007
						1							1		202	75250	1	EACH	GATE REMOVED	P.066
					12	3					10		5		202	98100	15	EACH	REMOVAL MISC.: PRIVATE SIGN	P.007
					12	1					12		1		202	98100	13	EACH	REMOVAL MISC.: LANDSCAPE ROCK	P.007
									11,618		3,722		7,896		203	10000	11,618	CY	EXCAVATION	
									4,139		1,683		2,456		203	20000	4,139	CY	EMBANKMENT	
							4,674				3,061		1,613		204	10000	4,674	SY	SUBGRADE COMPACTION	
		1,196										1,196			204	13000	1,196	CY	EXCAVATION OF SUBGRADE	
		1,196										1,196			204	30010	1,196	CY	GRANULAR MATERIAL, TYPE B	
4									23	8	2	15	2	204	45000	27	HOUR	PROOF ROLLING		
		3,590										3,590			204	50000	3,590	SY	GEOTEXTILE FABRIC	
										43,966	14,652.5		29,313.5		206	15020	43,966	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
										1,220	443		777		206	10500	1,220	TON	CEMENT	
										43,966	14,652.5		29,313.5		206	11000	43,966	SY	CURING COAT	
										LS		LS		LS	206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
													400		209	10001	400	FT	DITCH CLEANOUT, AS PER PLAN	P.007
					2,536						250		2,286		606	15100	2,536	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
					1								1		606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
					5						2		3		606	26550	5	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
					2								2		606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
					1								1		606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
								2		1		1			606	60029	2	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), AS PER PLAN, 62 MPH, 69" WIDTH	P.007
								213		106		107			622	10160	213	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
								4		2		2			622	25000	4	EACH	CONCRETE BARRIER END SECTION, TYPE D	
19										9		10			623	38500	19	EACH	MONUMENT ASSEMBLY, TYPE C	
					4	2					3		3		625	75400	6	EACH	LIGHT POLE REMOVED	
	4												4		SPECIAL	69050100	4	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	P.007
	15										15				SPECIAL	69065000	15	TON	WORK INVOLVING NON-REGULATED MATERIALS	P.007
	15										15				SPECIAL	69065016	15	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	P.007
	100										100				SPECIAL	69065022	100	GAL	WORK INVOLVING NON-REGULATED WATER	P.007
	100										100				SPECIAL	69065024	100	GAL	WORK INVOLVING REGULATED WATER	P.007

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 MAH
 REVIEWER
 JEL 08/28/24
 PROJECT ID
 109072
 SHEET TOTAL
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