

ENTRANCE APPROACH IMPROVEMENTS (A)															
STATION STATION	LOC	ADDRESS	EXISTING CULVERT (2)		REMOVE		SALVAGE AND INSTALL APRON	FURNISH AND INSTALL							
			SIZE	TYPE	CULV. LIN. FT	APRON EACH		15" CULV LIN. FT	EXT. LT LIN. FT	EXT. RT LIN. FT	APRONS 15' 36'	EMBANKMENT			
													LEFT (CY)	RIGHT (CY)	
12+91	LT	21444	36'x67'	CMP		0			0	0		2	0.0	0.0	
13+11	RT	21431				0			0	0			0.0	6.5	
14+86	LT	21510	15'x31'	CMP		0			10	8	2		2.0	2.0	
16+63	RT	21529	15'x30'	CMP	30	0		32	0	0	2		0.0	0.5	
17+48	RT	21547	15'x30'	CMP	30	0		32	0	0	2		0.5	0.0	
20+37	RT	21613	15'x30'	CMP		0			12	8	2		6.0	2.5	
24+37	RT	21690	N/A			0			0	0			0.0	0.0	
27+15	RT	217TH AVE	N/A			0			0	0			2.0	0.0	
30+05	RT	F. ENT	15'x30'	CMP		0			2	12	2		0.5	3.0	
32+29	LT	F. ENT	15'x31'	CMP	31	0		41	0	0	2		1.0	1.5	
33+29	RT	21751				0			0	0			0.0	0.0	
35+27	RT	21811	15'x30'	CMP		0			4	4	2		1.0	2.0	
39+19	RT	21849				0			0	0			0.0	0.0	
42+47	RT	21929				0			0	0			0.0	0.0	
53+80	RT	22051				0			0	0			0.0	0.0	
54+20	LT	221ST AVE				0			0	0			0.0	0.0	
56+14	RT	22117				0			0	0			0.0	0.0	
57+95	LT	22146	15'x31'	CMP		0			6	6	2		1.0	2.5	
58+50	RT	22157				0			0	0			0.0	0.5	
61+48	LT	22206				0			0	0			0.5	0.5	
63+63	RT	22223				0			0	0			0.0	0.0	
67+37	RT	F. ENT				0			0	0			0.0	0.0	
68+52	LT	22320	15'x30'	SMP		0	2		8	6			1.5	1.5	
72+82	LT	22350	15'x30'	CMP		0			12	10	2		6.0	7.0	
73+78	RT	224TH AVE				0			0	0			0.0	0.0	
80+52	LT	F. ENT				0			0	0			0.5	0.0	
83+20	RT	22525				0			0	0			0.0	0.0	
83+50	LT	225TH LN				0			0	0			1.5	2.0	
87+54	LT	22620				0			0	0			0.5	0.0	
94+50	LT	HELEN RESERV				0			0	0			0.0	0.0	
98+36	RT	22711	15'x31'	CMP		0			0	0	2		0.0	0.0	
101+77	RT	22811				0			0	0			0.0	0.0	
TOTALS						91	0	2	105	54	54	20	2	24.5	32.0

MAILBOX SUPPORT CHART (B)			
STATION	LOCATION	ADDRESS	RELOCATE
12+57	19.5' RT	21431/21510/21444	3
16+94	16.0' RT	21529	1
17+90	18.0' RT	21547	1
20+64	17.0' RT	21613	1
33+48	17.0' RT	21751	1
35+43	17.0' RT	21811	1
38+91	16.0' RT	21849	1
42+24	21.0' RT	21929	1
55+95	16.0' RT	22117	1
58+12	19.0' LT	22146	1
58+36	18.0' RT	22157	1
61+74	19.0' LT	22206	1
63+39	19.0' RT	22223	1
68+73	18.0' LT	22320	1
72+63	17.0' LT	22350	1
82+90	18.0' RT	22525	1
87+71	17.0' LT	22620	1
98+15	16.0' RT	22711	1
101+50	19.0' RT	22811	1
TOTALS			21

① EARTHWORK SUMMARY:
COMMON BORROW (LV) = EMBANKMENT x 1.5 = (24.5 + 32) x 1.5 = 84.75 CU. YD.

② CMP DESIGNATES METAL PIPE WITH A STANDARD 2-2/3' x 1/2' CORRUGATION.
SMP DESIGNATES METAL PIPE WITH A SPIRAL CORRUGATION.

CENTERLINE CULVERT CONSTRUCTION (D)					
STATION	LOCATION	REMOVE CATTLE PASS		FURNISH AND INSTALL 24" RCP	
		LIN FT	APRON	LIN FT	APRON
64+46	LT & RT	32	2	52	2
TOTALS		32	2	52	2

TURF ESTABLISHMENT (C)								
LOCATION	LOC	SEEDING	SEED MIX 700	SODDING TYPE EROSION CONTROL	MULCH MATERIAL TYPE 1	DISK ANCHORING	COMMERCIAL FERTILIZER ANALYSIS 10-10-10	POLYPROPYLENE PLASTIC NETTING
		SQ YD	LB.	SQ. YD.	TON	SQ YD	LB.	SQ. YD.
13+11	RT			97			10.0	
14+86	LT			88			9.1	
16+63	RT			58			6.0	
17+48	RT			71			7.3	
20+37	RT	107	0.8		0.04		11.1	107
27+15	RT	103	0.7		0.04		10.6	103
30+05	RT	98	0.7		0.04		10.2	98
32+29	LT	33	0.2		0.01		3.4	33
35+27	RT			81			8.4	
57+95	LT			85			8.8	
61+48	LT			59			6.1	
64+09 TO 64+83	LT&RT	197	1.4		0.08	197	20.4	
68+52	LT	79	0.6		0.03		8.2	79
72+82	LT	152	1.1		0.06		15.7	152
80+52	LT	111	0.8		0.05		11.5	111
83+70	LT	120	0.9		0.05		12.4	120
87+54	LT			104			10.7	
TOTALS		1000	7.2	643	0.4	197	170	803

TABULATED QUANTITIES