



SLM 6.04, 15"
SEE SHEET 193

SLM 5.98, 15"
SEE SHEET 195

old CFN 180770605
new CFN 1875637
MM 153.18
SLM 6.05, 27"
SEE SHEET 245

SLM 5.97, 15"
SEE SHEET 247
SLM 5.98, 15"
SEE SHEET 247

DRAINAGE											
Ref. No.	Station	Side	601	602	603	604	604	604	660	667	Sewer Profile Sheet No.
			Dumped Rock Channel Protection	Concrete Masonry	Type B Conduit	Type B Conduit	Std. No. 2-2A	Std. No. 3-A	Std. No. 5	Sodding	
			Cu. Yds.	Cu. Yds.	Lin. Ft.	Lin. Ft.	Each	Each	Sq. Yds.	Sq. Yds.	
1-D	321+00(E-3) to 322+00(E-4)		5			220		1		360	193
2-D	15+00(E-3) to 15+90(E-4A)				130			2			247
3-D	1+90(E-4A) to 27+00(E-4)			0.26	80						195
4-D	27+00(E-4) to 25+65(E-4)	Rt.							5	138	
5-D	13+25(E-3)								5		
Total			5	0.26	210	220	1	2	1	10	498

UNDERDRAINS										
Ref. No.	Station	Side	603	603	605	605	605	660	Bends & Branches	
			Type B Conduit	Type F Conduit	Shallow U.D.	706.08 perf.	Unclass. U.D.	Sodding		
			6"	6"	6"	6"	6"	Sq. Yds.	Each	
			Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.			
62-U	13+30(E-3) to 14+25(E-3)	Lt.		10	80					
63-U	15+00(E-3) to 15+78(E-3)	Lt.		10	68					
64-U	14+25(E-3) to 15+00(E-3)	Lt.		10	65					
65-U	18+53(E-3) to 19+25(E-3)	Lt.	23		72				2	
66-U	19+25(E-3) to 23+25(E-3)	Rt.		10	407			6	1	
67-U	23+25(E-3) to 28+00(E-3)	Rt.			475					
68-U	17+42(E-4) to 16+37(P.V.R.)	Rt.		20	1060	128	65		1	
Total			23	60	2227	128	65	6		

Note: For Details of Structures S-13 and S-13A See Sheet 245

- LEGEND**
- (C) Expansion Joint Without Dowels
 - (K) Key Joint Without Tebars
 - (L) Standard Longitudinal Joint

RAMP E-3 CURVE DATA

PI. Sta. 17+04.69	PI. Sta. 23+93.78	PI. Sta. 27+00.16
Δ = 50°39'44"	Δ = 34°01'54"	Δ = 8°00'00"
R = 267.00'	D = 8°00'00"	D = 4°00'00"
T = 126.39'	R = 1,432.39'	T = 100.16'
L = 236.09'	L = 425.40'	L = 200.00'
E = 28.40'	E = 32.79'	E = 3.50'

RAMP E-3 CURVE DATA

PI. Sta. 27+00.16	PI. Sta. 27+00.16	PI. Sta. 27+00.16
Δ = 8°00'00"	Δ = 8°00'00"	Δ = 8°00'00"
D = 4°00'00"	D = 4°00'00"	D = 4°00'00"
R = 1,432.39'	R = 1,432.39'	R = 1,432.39'
T = 100.16'	T = 100.16'	T = 100.16'
L = 200.00'	L = 200.00'	L = 200.00'
E = 3.50'	E = 3.50'	E = 3.50'

RAMP E-3 TURNOUT AT PLEASANT VALLEY RD.

Δ = 90°12'02"	Δ = 90°12'02"
R = 50.00'	R = 50.00'
T = 50.18'	T = 50.18'
L = 78.72'	L = 78.72'
E = 20.84'	E = 20.84'

RAMP E-3 TURNOUT AT PLEASANT VALLEY RD.

PI. Sta. 16+15.01	PI. Sta. 16+15.01	PI. Sta. 16+15.01
Δ = 10°11'59"	Δ = 10°11'59"	Δ = 10°11'59"
D = 4°00'00"	D = 4°00'00"	D = 4°00'00"
R = 1,432.39'	R = 1,432.39'	R = 1,432.39'
T = 127.83'	T = 127.83'	T = 127.83'
L = 254.99'	L = 254.99'	L = 254.99'
E = 5.69'	E = 5.69'	E = 5.69'

CFN 180770606
SLM 6.06, 27"
CITY OF INDEPENDENCE

C.E.I. ACCESS RD. CURVE DATA

PI. Sta. 4+03.22	PI. Sta. 8+66.09
Δ = 36°00'00"	Δ = 37°30'00"
R = 346.00'	R = 200.00'
T = 112.42'	T = 67.89'
L = 217.40'	L = 130.90'
E = 17.81'	E = 11.21'

GUARD RAIL

Ref. No.	Station	Side	606
			Type 4 Deep Beam Rail
			Lin. Ft.
1-R	15+00(E-3) to 28+00(E-3)	Rt.	1300
Total			1300