

NORTHBOUND I-155 SHOULDER PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
5+37.42	8+95.50	358	0.56	750.90	744.89
9+02.51	11+95.50	293	1.70	744.77	739.68
12+02.52	13+77.70	175	1.70	739.80	736.73
16+69.04	21+64.52	495	1.70	731.75	726.62
24+88.62	21+70.52	318	0.40	727.60	726.33
29+90.15	25+25.15	465	0.40	727.83	725.97
30+09.85	35+88.03	578	0.20	727.82	726.64
TOTAL		2682			

NORTHBOUND I-155 MEDIAN PIPE UNDERDRAINS 6"

U/S Station	D/S Station	PUD Length	PUD Grade %	U/S Inv. Elev	D/S Inv. Elev
2.917	6" PUD Constant Depth U/S				
5+30.15	8+57.97	328	0.56	751.06	745.61
8+65.02	11+06.70	242	1.70	745.47	741.38
11+13.72	16+47.08	533	1.70	741.26	732.18
16+54.09	21+64.52	510	1.70	732.06	726.46
23+20.00	21+70.52	149	0.40	726.91	726.32
23+30.00	25+15.58	186	0.40	726.95	726.20
29+90.08	26+04.49	386	0.40	728.77	727.23
30+09.92	35+88.02	578	0.20	728.76	727.58
TOTAL		2912			

SOUTHBOUND I-155 SHOULDER PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
5+05.68	8+95.53	390	0.56	751.25	744.89
9+02.49	11+95.49	293	1.70	744.77	739.79
12+02.49	14+11.49	209	1.70	739.67	736.12
17+02.56	21+64.50	462	1.70	731.17	726.38
25+95.49	21+70.50	425	0.40	727.54	725.84
29+89.85	26+61.39	328	0.40	728.42	727.11
30+10.15	35+87.94	578	0.61	728.92	725.39
TOTAL		2685			

SOUTHBOUND I-155 MEDIAN PIPE UNDERDRAINS 6"

U/S Station	D/S Station	PUD Length	PUD Grade %	U/S Inv. Elev	D/S Inv. Elev
2.917	6" PUD Constant Depth U/S				
5+13.08	8+58.00	345	1.70	751.25	745.59
8+64.99	11+07.00	242	1.70	745.49	741.36
11+13.99	16+47.07	533	1.70	741.26	732.18
16+54.07	21+64.51	510	1.70	732.06	726.46
23+45.00	21+69.51	175	0.40	726.99	726.29
23+55.00	25+34.75	180	0.40	727.02	726.30
29+89.95	26+04.50	385	0.40	728.79	727.25
30+10.05	35+88.02	578	0.61	728.79	725.85
TOATL		2948			

SOUTHBOUND MEDIAN BARRIER PIPE UNDERDRAINS 6"

U/S Station	D/S Station	PUD Length	PUD Grade %	U/S Inv. Elev	D/S Inv. Elev
2.917	6" PUD Constant Depth U/S				
5+25.29	8+60.00	335	1.70	751.11	744.34
8+65.38	11+07.00	242	1.70	745.46	740.00
11+13.99	16+47.07	533	1.70	743.59	730.82
16+54.07	18+15.33	161	1.70	728.27	727.93
TOTAL		1271			

NORTHBOUND I-155 SHOULDER PIPE UNDERDRAINS 4" (SPECIAL)

Station	PUD Length	PUD Slope	U/S Inv. Elev	D/S (HW) Inv. Elev	HW
8+95.50	24.22	2%	744.89	744.40	1
11+95.50	61.79	2%	739.68	738.44	1
13+77.70	19.77	2%	736.73	736.33	1
					1
					same as above
25+25.15	37.52	1.14%	725.97	725.54	1
35+88.03	31.63	2%	726.64	726.00	1
TOTAL	175				6

NORTHBOUND I-155 MEDIAN PIPE UNDERDRAINS 6" (SPECIAL)

Station	PUD Spl Len	PUD Slope	U/S Inv. Elev	D/S Inv. Elev
8+57.97	22.19	2%	745.61	745.16
11+06.70	22.96	2%	741.38	740.92
16+47.08	22.75	2%	732.18	731.72
21+64.52	69.48	1.09%	726.46	725.70
21+70.52	69.48	0.89%	726.32	725.70
25+15.58	23.24	0.86%	726.20	726.00
26+04.49	21.08	2%	727.23	726.80
35+88.02	16.45	2%	727.58	727.25
TOTAL	268			

SOUTHBOUND I-155 SHOULDER PIPE UNDERDRAINS 4" (SPECIAL)

Station	PUD Length	PUD Slope	U/S Inv. Elev	D/S (HW) Inv. Elev	HW
8+95.53	24.19	2%	744.89	744.40	1
11+95.49	24.47	2%	739.79	739.30	1
14+11.49	5.00	2%	736.12	736.00	1
					1
					same as above
26+61.39	31.52	1.42%	727.11	726.66	1
35+87.94	29.75	2%	725.39	724.79	1
TOTAL	115				6

SOUTHBOUND I-155 MEDIAN PIPE UNDERDRAINS 6" (SPECIAL)

Station	PUD Spl Len	PUD Slope	U/S Inv. Elev	D/S Inv. Elev
8+58.00	13.80	2%	745.59	745.31
11+07.00	15.14	2%	741.36	741.05
16+47.07	15.87	2%	732.18	731.86
21+64.51	69.91	1.04%	726.46	725.73
21+69.51	69.91	0.80%	726.29	725.73
25+34.75	23.24	1.29%	726.30	726.00
26+04.50	21.02	2%	727.25	726.83
35+88.02	28.98	2%	725.85	725.27
TOTAL	258			

SOUTHBOUND MEDIAN BARRIER PIPE UNDERDRAINS 6" (SPECIAL)

Station	PUD Spl Len	PUD Slope	U/S Inv. Elev	D/S Inv. Elev
8+60.00	1.20	2%	744.34	744.31
11+07.00	1.82	2%	740.00	739.96
16+47.07	1.33	2%	730.82	730.79
18+15.33	14.09	2%	727.93	727.64
TOTAL	18			

RAMP E (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
208+94.98	204+04.50	490	1.73	736.90	735.82
209+05.02	213+96.97	492	0.42	737.87	735.82
217+97.50	214+03.03	394	1.40	736.09	731.74
TOTAL		1376			

LEFT SIDE RAMP F (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
313+80.11	317+00.00	320	0.40%	732.27	730.99
319+97.50	317+00.00	298	1.11%	734.72	731.41
324+00.00	320+04.50	396	1.11%	739.18	734.78
TOTAL		1014			

RIGHT SIDE RAMP F (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
311+05.00	315+97.00	492	0.45%	733.10	730.89
319+97.50	316+03.00	395	1.11%	734.72	730.34
323+97.50	320+04.50	393	1.11%	739.15	734.79
327+94.96	324+04.50	390	1.11%	741.49	737.16
328+05.04	332+95.46	490	1.11%	741.49	736.05
333+02.52	337+63.00	460	1.54%	741.15	734.07
TOTAL		2620			

RAMP G (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
18+97.49	13+03.00	594	0.40%	726.75	724.37
23+89.90	19+04.53	485	0.40%	728.47	726.53
24+10.10	29+50.00	540	0.42%	728.46	726.19
32+97.49	29+53.00	344	0.42%	731.80	730.36
39+33.16	33+04.53	629	2.83%	748.83	731.03
TOTAL		2592			

LEFT SIDE RAMP H (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
100+89.57	105+95.41	506	2.83%	749.62	735.30
106+02.49	109+95.41	393	2.83%	735.12	724.00
110+02.49	112+96.92	294	0.63%	726.95	725.10
117+00.00	113+03.08	397	0.63%	725.67	725.10
TOTAL		1590			

RIGHT SIDE RAMP H (I-155) PIPE UNDERDRAINS 4"

U/S Station	D/S Station	PUD Length	PUD Grade	U/S Inv. Elev	D/S Inv. Elev
2.75	4" PUD Constant Depth U/S				
122+97.18	117+02.00	595	0.63%	729.42	725.67
127+97.50	123+04.52	493	0.64%	732.58	729.42
TOTAL		1088			

PIPE UNDERDRAIN AND HEADWALL TOTAL THIS SHEET

ITEM	UNIT	TOTAL
PIPE UNDERDRAINS 4"	FOOT	15,647
PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	981
PIPE UNDERDRAINS 6"	FOOT	7,131
PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	544
CONCRETE HEADWALL FOR PIPE DRAINS	EACH	31

RAMP E (I-155) PIPE UNDERDRAINS 4" (SPECIAL)

Station	PUD Length	PUD Slope	U/S Inv. Elev	D/S (HW) Inv. Elev	HW
204+04.50	30.88	2%	735.82	735.20	1
213+96.97	24.87	2%	735.82	735.32	1
214+03.03	40.42	2%	731.74	730.93	1
TOTAL	96				3

LEFT SIDE RAMP F (I-155) PIPE UNDERDRAINS 4" (SPECIAL)

Station	PUD Length	PUD Slope	U/S Inv. Elev	D/S (HW) Inv. Elev	HW
317+00.00	34.44	2%	730.99	730.38	1
317+00.00	31.26	2%	731.41	730.78	same as above
320+04.50	26.98	2%	734.78	734.24	1
TOTAL	93				2

RIGHT SIDE RAMP F (I-155) PIPE UNDERDRAINS 4" (SPECIAL)

Station	PUD Length	PUD Slope	U/S Inv. Elev	D/S (HW) Inv. Elev	HW
315+97.00	33.03	2%	730.89	730.23	1
316+03.00	36.79	2%	730.34	729.60	same as above
320+04.50	26.98	2%	734.79	734.24	1
324+04.50	34.92	2%	737.16	736.46	1
332+95.46	33.76	2%	736.05	735.37	1
337+63.00					