

\* Denotes Rim on Area Drains/Manholes  
 Denotes Gutterline on Curb Inlets  
 \*\* 600 Tons (paid under separate item.)  
 \*\*\* Denote only additional B-Borrow req'd. above top of pipe. All pipe bedding & material including B-Borrow below top of pipe shall be incidental to pipe & cost thereof included.

# STRUCTURE DATA

NOTE: All references to Type 10 Castings shall be supplied as EJ-7030 Castings (or equal).  
 All references to Type 2 Castings shall be supplied as either EJ-8306 Square Frame & Casting or EJ 1022 Round Frame w/ Type M Casting.

\*\*\* FES - Flared End Section

STR. NO.	CONN. TO STR. NO.	LOCATION		DESCRIPTION	SIZE IN.	MATERIAL	FLOW LINE			* RIM/GUTTER ELEV.	B-BORROW FOR STR. BACKFILL CU. YDS.	BACKFILL METHOD	RIPRAP TONS	PIPE END SECTION EA./SIZE	RCP 45" Bend EA./SIZE	REMARKS					
		NORTH	EAST				UP STREAM ELEV.	DOWN STREAM ELEV.	ELEV.												
10	13			Inlet Type A-2	12	RCP	40	379.60	379.40	381.88	9	A									
11	12			Inlet Type A-2	12	RCP	8	379.60	379.50	381.80	---	B									
12	13			Inlet Type J-10	12	RCP	28	379.50	379.40	383.23	8	A									
13	14			Inlet Type J-10 Mod.	15	RCP	60	379.40	379.22	383.23	10	A				EJ 7034 Casting Req'd.					
14	15			Inlet Type A-2	15	RCP	331	379.22	378.50	382.22	---	B									
15	15A			Jct. Box D-4	18	RCP	168	378.50	378.08		---	B									
15A	15B			Jct. Box D-4	24	RCP	255	378.08	377.57		37	A									
15B	15C			Jct. Box D-4	24	RCP	342	377.57	376.88		9	A									
15C	15D			Jct. Box D-4	24	RCP	189	376.88	376.50		---	B									
15D	Anchor			Jct. Box D-4	30	RCP	131	376.30	373.00		20	A									
16	15			Inlet Type E-7	15	RCP	308	379.42	378.50	382.20	44	A									
17	16			Inlet Type J-10	12	RCP	8	379.50	379.42	383.93	---	B									
18	17			Inlet Type J-10	12	RCP	28	379.70	379.50	383.93	17	A									
19	18			Inlet Type A-2	12	RCP	8	379.75	379.70	382.20	---	B									
20	21			Inlet Type A-2	12	RCP	8	380.50	380.40	382.55	---	B									
21	22			Inlet Type J-10	12	RCP	28	380.40	380.25	384.63	17	A									
22	23			Inlet Type J-10	12	RCP	11	380.25	379.37	384.63	---	B									
23	24			Inlet Type E-7	15	RCP	400	379.37	378.25	382.55	---	B									
24	27			Inlet Type E-7	18	RCP	300	378.25	376.93	381.85	---	B									
25	26			Inlet Type J-10	12	RCP	28	382.00	381.85	384.54	17	A									
26	24			Inlet Type J-10	12	RCP	12	381.85	378.25	384.54	---	B									
27	31			Inlet Type E-7	21	RCP	200	376.93	376.37	379.75	---	B									
28	29			Inlet Type A-2	12	RCP	11	377.40	377.30	379.75	---	B									
29	30			Inlet Type J-10	12	RCP	28	377.30	377.10	382.53	17	A									
30	27			Inlet Type J-10	12	RCP	12	377.10	376.93	382.53	---	B									
31	32			Inlet Type D-4	21	RCP	400	376.37	375.25	381.75	---	B									
32	FES			Jct. Box Type D-4	24	RCP	30	375.25	374.75	382.00	---	B	2	1 - 24"		D-4 w/ Open Casting (EJ Type M-2) D-4 w/ Solid Lid					
33	34			Inlet Type A-2	12	RCP	8	379.50	379.00	382.00	---	B									
34	35			Inlet Type J-10	12	RCP	28	379.00	378.50	383.64	17	A									
35	32			Inlet Type J-10	12	RCP	10	378.50	376.75	838.64	---	B									
36	37			Inlet Type E-7	15	RCP	8	375.50	375.30	377.85	---	B									
37	38			Inlet Type J-10	15	RCP	28	375.30	375.10	379.13	17	A									
38	FES			Inlet Type J-10	15	RCP	20	375.10	370.50	379.13	---	B		1 - 15"							
39				12' x 8' Box Culvert	(-)	RCP	66	365.19	363.87	(-)	**	A									
39A	39			Jct. Box Type D-4	18	RCP	30	(-)	368.00	380.00	40	A				Invert to match exist. flowline of interceptor pipe/solid lid					
40	FES			Inlet Type D-10	30	RCP	20	375.50	373.50	381.29	---	B	3	1 - 30"							
41	40			Inlet Type D-10	30	RCP	28	376.00	375.50	381.29	17	A									
42	41			Inlet Type D-10	30	RCP	178	379.00	376.00	(-)	---	B			1 - 30"						
43	44			Inlet Type J-10	12	RCP	28	379.70	379.50	383.23	17	A									
44	45			Inlet Type J-10	12	RCP	10	379.50	378.90	383.23	---	B									
45	45A			Inlet Type E-7	15	RCP	350	378.90	377.85	381.52	---	B									
45A	46			Inlet Type E-7	15	RCP	180	377.85	377.40	382.50	---	B									
46	47			Inlet Type E-7	18	RCP	12	377.40	377.30	381.17	---	B									
47	48			Inlet Type J-10	18	RCP	28	377.30	377.20	383.34	17	A									
48	Pipe			Inlet Type J-10	18	RCP	12	377.20	377.00	383.34	---	B									
				Inlet Type E-7	18	RCP	15	377.00	Pipe	(-)	---	B			1 - 18"						
50	51			Inlet Type A-2	12	RCP	8	379.50	379.00	382.00	---	B									
51	52			Inlet Type J-10	12	RCP	28	379.00	378.72	382.10	18	A									
52	53			Inlet Type J-10	12	RCP	70	378.72	378.02	381.60	9	A									
53	54			Inlet Type A-2	15	RCP	8	378.02	376.30	381.50	5	A									
54	55			Inlet Type J-10 Mod.	15	RCP	33	376.30	376.00	381.64	38	A									
55	Pipe			Inlet Type J-10 Mod.	15	RCP	33	376.00	Top Pipe	381.90	---	B			1 - 15"						
56	VOID																				
57	54			Inlet Type A-2	12	RCP	63	378.67	376.30	382.15	15	A									
58	57			Inlet Type A-2	12	RCP	83	379.50	378.67	382.50											
59	60			Inlet Type A-2	12	RCP	43	379.00	378.57	382.25	8	A									
60	61			Inlet Type A-2	12	RCP	45	378.57	378.00	382.10	14	A									
61	62			Inlet Type A-2	15	RCP	8	378.00	376.30	381.90	5	A									
62	63			Inlet Type J-10 Mod.	15	RCP	33	376.30	376.00	382.09	38	A									
63	64			Inlet Type J-10 Mod.	15	RCP	11	376.00	375.00	382.35	---	B									
64	Pipe			Inlet Type E-7 Mod.	15	RCP	20	375.00	Top Pipe	381.50	---	B			1 - 15"						
65	61			Inlet Type A-2	12	RCP	50	378.50	378.00	382.10	8	A									
66	65			Inlet Type A-2	12	RCP	50	379.00	378.50	382.25	10	A									
67	67A			Inlet Type A-2	12	RCP	33	379.00	378.66	382.40	8	A									
67A	68			Inlet Type J-10	12	RCP	36	378.66	378.30	382.30	15	A									
68	69			Inlet Type A-2	12	RCP	35	378.30	377.95	382.25	10	A									
69	70			Inlet Type A-2	15	RCP	8	377.95	376.30	382.00	5	A									
70	71			Inlet Type J-10 Mod.	15	RCP	33	376.30	376.00	382.17	38	A									
71	72			Inlet Type J-10 Mod.	15	RCP	11	376.00	375.00	382.43	---	B									
72	Pipe			Inlet Type E-7 Mod.	15	RCP	18	375.00	Top Pipe	381.50	---	B			1 - 15"						
73	74			Inlet Type A-2	12	RCP	110	379.00	378.00	382.50	23	A									
74	75			Inlet Type A-2	15	RCP	8	378.00	376.30	382.10	5	A									
75	76			Inlet Type J-10 Mod.	15	RCP	33	376.30	376.00	382.28	38	A									
76	77			Inlet Type J-10 Mod.	15	RCP	13	376.00	375.00	382.54	---	B									
77	Pipe			Inlet Type E-7 Mod.	15	RCP	14	375.00	Top Pipe	381.50	---	B			1 - 15"						
78	74			Inlet Type A-2	12	RCP	80	378.80	378.00	382.40	24	A									
79	78			Inlet Type A-2	12	RCP	40	379.20	378.80	382.60	8	A									
80	79			Inlet Type A-2	12	RCP	47	379.67	379.20	382.70	5	A									
81	83			Inlet Type A-2	12	RCP	58	379.58	379.00	382.20	18	A									
82	83			Inlet Type A-2	12	RCP	12	379.00	375.50	382.00	---	B									
83	84			Inlet Type J-10 Mod.	15	RCP	28	375.50	375.20	381.85	31	A									
84	85			Inlet Type J-10 Mod.	15	RCP	12	375.20	375.00	381.88	---	B									
85	Pipe			Inlet Type E-7 Mod.	15	RCP	13	375.00	Top Pipe	381.00	---	B			1 - 15"						
											TOTAL									717	

# SUMMARY OF QUANTITIES AND APPROACH TABLE

LOCATION (STATION)	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	DISTANCE BEYOND R/W LINE	RAJII	HMA, TYPE B			ASPHALT MATERIAL FOR		COMPACTED AGGREGATE, NO. 53, BASE	COMPACTED AGGREGATE, NO. 57	SUBGRADE TREATMENT, TYPE C	CEMENT CONCRETE PAVEMENT FOR DRIVEWAY			SIDEWALK, 5" CONCRETE, SYS.	CURB & GUTTER, CONCRETE, LFT	SUBBASE FOR PCCP DRIVEWAY, 6" TONS
						SURFACE	INTER.	BASE	PRIME COAT	TACK COAT				6"	8"				
						9.5mm	19.0mm	25.0mm	TONS	TONS				TONS	TONS	TONS			
<b>MAINLINES</b>																			
HARLAN AVE.-LINE "A" 10+00.00 to 74+92.13 Public Road 26/32																			
<b>DRIVES</b>																			
HARLAN AVE.-LINE "A"																			
	14+24 Lt.	Class III	28		25/25										102				
	18+20 Lt.	Class III	24		30/60														
	62+91 Lt.	Class I	24		10/10						2.2				39		135	47	
	63+83 Lt.	Class I	12		10/10						1.1				33				
	64+34 Lt.	Class I	11		10/10						1.0				22				
	64+84 Lt.	Class I	10		10/10										24				
	65+31 Lt.	Class I	18		10/10						1.7				32				
	65+84 Lt.	Class I	10.5		10/10										24				
	66+35 Lt.	Class I	14		10/10						1.3				26				
	66+83 Lt.	Class I	15.5		10/10						1.5				28				
	67+36 Lt.	Class I	12.5		10/10	</													