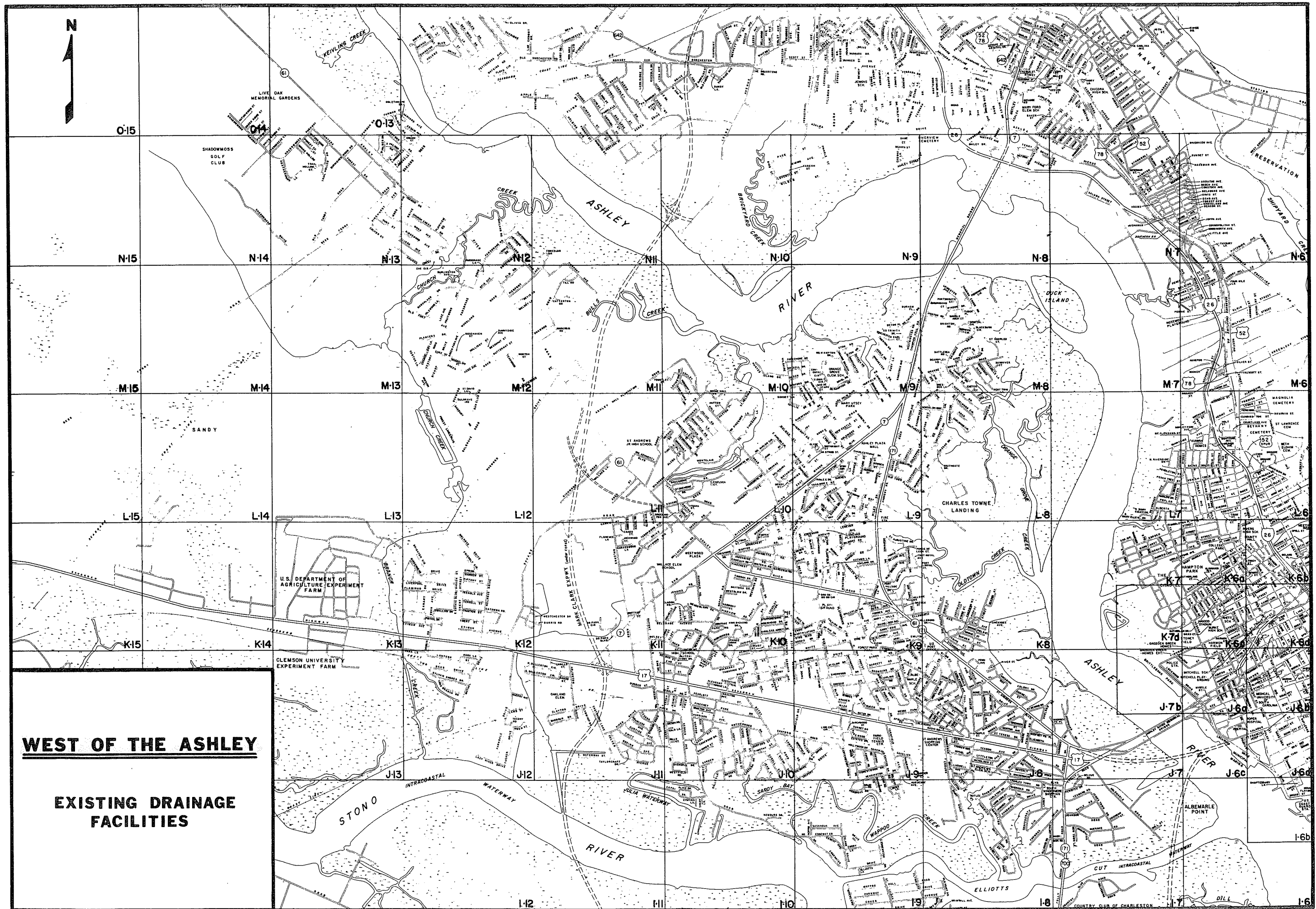




<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-7	1A	18" Iron	-	C
I-7	2A	24" VCP	-	C
I-7	3A	18" RCP	-	HFS
I-7	4A	15" RCP	-	C
I-7	5A	8" RCP	-	C
I-7	1	15" RCP	-	FWT
I-7	2	12" RCP	-	C
I-7	3	15" RCP	-	C
I-7	4	15" RCP	-	C
I-7	5	18" RCP (N)	-	C
I-7	6	18" RCP (S)	-	C
I-7	7	18" RCP	-	FWT
I-7	8	18" RCP	-	FWT
I-7	9	24" RCP	-	C
I-7	10	24" RCP	-	C
I-7	11	18" RCP	-	C
I-7	12	18" RCP	-	C
I-7	13	30" CMP	-	C
I-7	14	30" CMP	-2.02	C
I-7	15	5.3' x 6.0' BOX (N)	2.22	C
I-7	16	5.3' x 6.0' BOX (S)	1.98	C
I-7	17	12" RCP	-	C

<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-7	18	18" RCP (N) 24" RCP (S) 18" RCP (E)	3.30 3.30 3.30	C
I-7	19	24" RCP (N) 24" RCP (S)	2.80 2.80	C
I-7	20	24" RCP (N) 24" RCP (S)	2.52 2.52	C
I-7	21	18" RCP	-	HFS
I-7	22	15" RCP	-	C
I-7	23	15" RCP	-	C
I-7	24	24" RCP	1.78	FWT
I-7	25	36" RCP	1.01	C
I-7	26	36" RCP (N) 36" RCP (S)	0.97 0.93	C
I-7	27	36" RCP (N/E) 36" RCP (S/W)	1.04 0.80	C
I-7	28	36" RCP (S/W) 36" RCP (N/E)	1.14 1.21	C
I-7	29	36" RCP (W) 36" CMP (E) 24" RCP (S)	1.81 2.60 3.65	C
I-7	30		-	PO
I-7	31	36" CMP (W) 36" CMP (E)	3.56 3.56	C
I-7	32	36" CMP	3.72	C

MAP I7

WEST OF THE ASHLEY

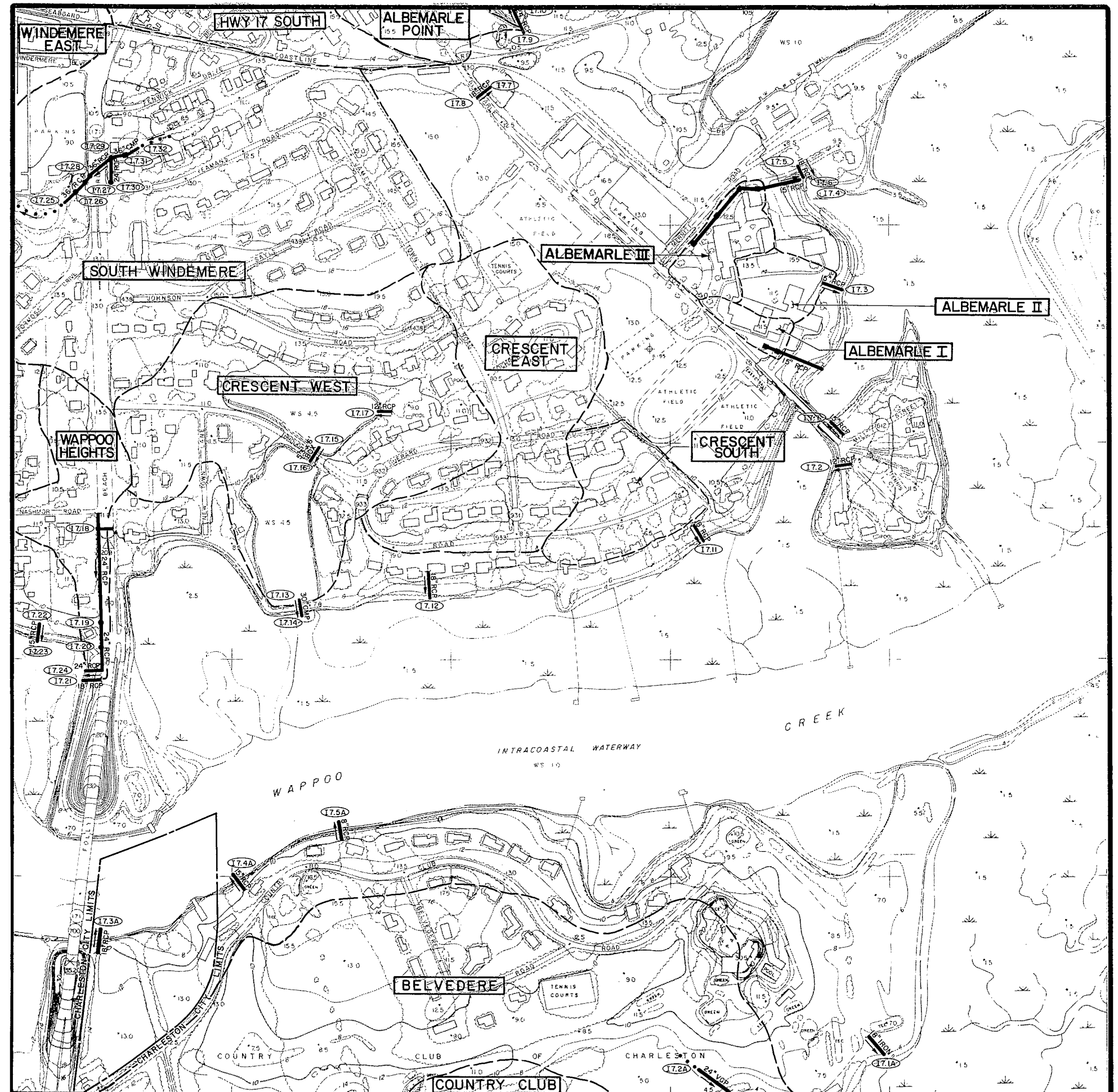
WEST OF THE ASHLEY							
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
				I11	I10	I9	I8

LEGEND

- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |

GRAPHIC SCALE

500 0 500 1000 1500
FEET



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-8	1A	15" RCP	-	C
I-8	2A	15" RCP	-	C
I-8	3A	15" RCP	-	C
I-8	4A	18" RCP	-	C
I-8	1	15" RCP	-	C
I-8	2	15" RCP	-	C
I-8	3	36" RCP	0.36	C
I-8	4	36" RCP (E) 36" RCP (W)	0.18 0.18	C
I-8	5	36" RCP (E) 36" RCP (W)	-0.22 -0.22	C
I-8	6	36" RCP	0.14	C
I-8	7	24" RCP	-0.62	FS
I-8	8	30" RCP	-0.22	HFS
I-8	9	30" RCP	0.05	C
I-8	10	24" RCP (N) 24" RCP (S) 12" RCP (W)	-0.21 -0.33 3.22	C
I-8	11	24" RCP (N) 24" RCP (S) 18" RCP (E) 18" RCP (W)	0.37 0.39 2.58 2.56	C
I-8	12	24" RCP (N) 24" RCP (S) 18" RCP (W) 18" RCP (E)	1.23 1.22 1.99 2.01	C
I-8	13	24" RCP (N) 24" RCP (S)	1.26 1.11	C
I-8	14	24" RCP (N) 24" RCP (S) 15" RCP (E) 15" RCP (W)	1.24 1.24 3.08 2.60	C

<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-8	15	24" RCP (S) 12" RCP (E) 12" RCP (W) 24" RCP (N)	1.33 3.21 2.96 1.29	HFS
I-8	17	15" CMP	-	C
I-8	18	15" CMP	-	C
I-8	19	15" CMP	-	C
I-8	20	15" CMP	-	C
I-8	21	12" RCP	-	FWT
I-8	22	15" RCP	-	C
I-8	23	12" RCP	-	C
I-8	24	15" CMP	-	C
I-8	25	15" CMP	-	HFS
I-8	26	15" CMP	-	C
I-8	27	15" CMP	-	C
I-8	28	15" CMP	-	C
I-8	30	18" RCP	-	C
I-8	31	18" RCP	-	C
I-8	32	18" RCP	-	C
I-8	33	18" CMP	-	C
I-8	34	24" RCP	-	C
I-8	35	24" RCP	-	C
I-8	36	12" CMP	-	C
I-8	37	12" CMP	-	C

MAP I8

WEST OF THE ASHLEY

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9			I7



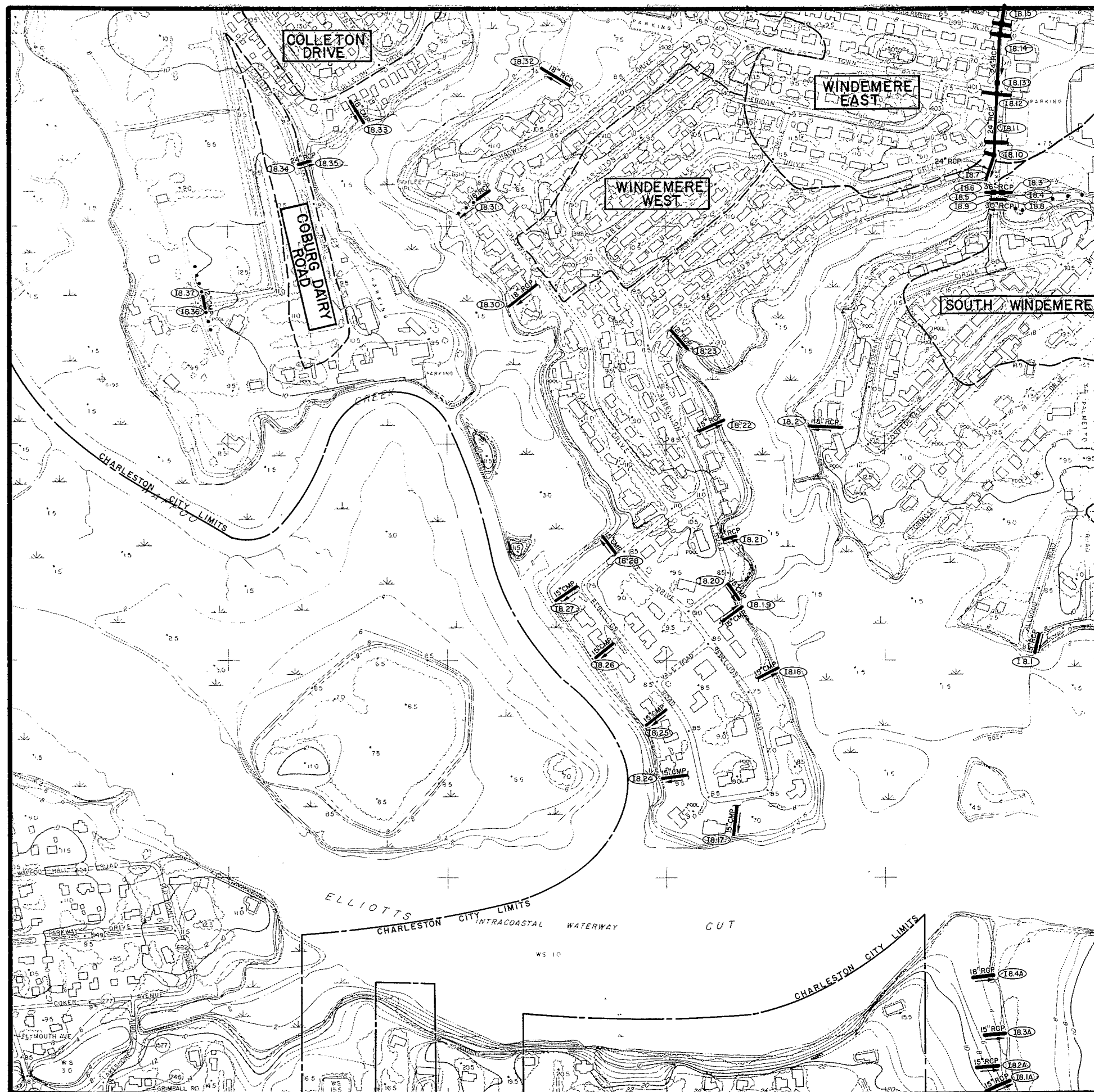
LEGEND

- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |

GRAPHIC SCALE

500 0 500 1000 1500

FEET



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-9	1	15" RCP	-	C
I-9	2	15" RCP	-	C
I-9	3	11" x 18" CMP	-	HFS
I-9	5	15" RCP	-	C
I-9	6	30" RCP	2.34	C
I-9	7	12" RCP	-	C
I-9	8	18" RCP	-	C
I-9	9	18" RCP	-	C
I-9	10	18" RCP	-	C
I-9	11	15" RCP	-	HFS
I-9	12	15" RCP	-	C
I-9	13	15" RCP	-	C
I-9	14	24" RCP	2.87	C

INVENTORY

MAP I9

existing drainage facilities CITY OF CHARLESTON

WEST OF THE ASHLEY

O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
			K14	K13	K12	K11	K10
			K9	K8			
			J14	J13	J12	J11	J10
			J9	J8	J7		
			I11	I10	I9	I8	I7



LEGEND

- DRAINAGE PIPE
- DRAINAGE CHANNEL
- CHARLESTON CITY LIMITS
- WATERSHED BOUNDARY
- CROSSCREEK WATERSHED NAME
- DETENTION BASIN
- BRIDGE
- MANHOLE IDENTIFICATION NO.
- PUMPING STATION

GRAPHIC SCALE 500 0 500 1000 1500 FEET



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-10	1	12" RCP	-	C
I-10	2	15" RCP	-	C
I-10	3	36" RCP	0.07	C
I-10	4	36" RCP	-0.06	C

existing drainage facilities
CITY OF CHARLESTON

MAP I10

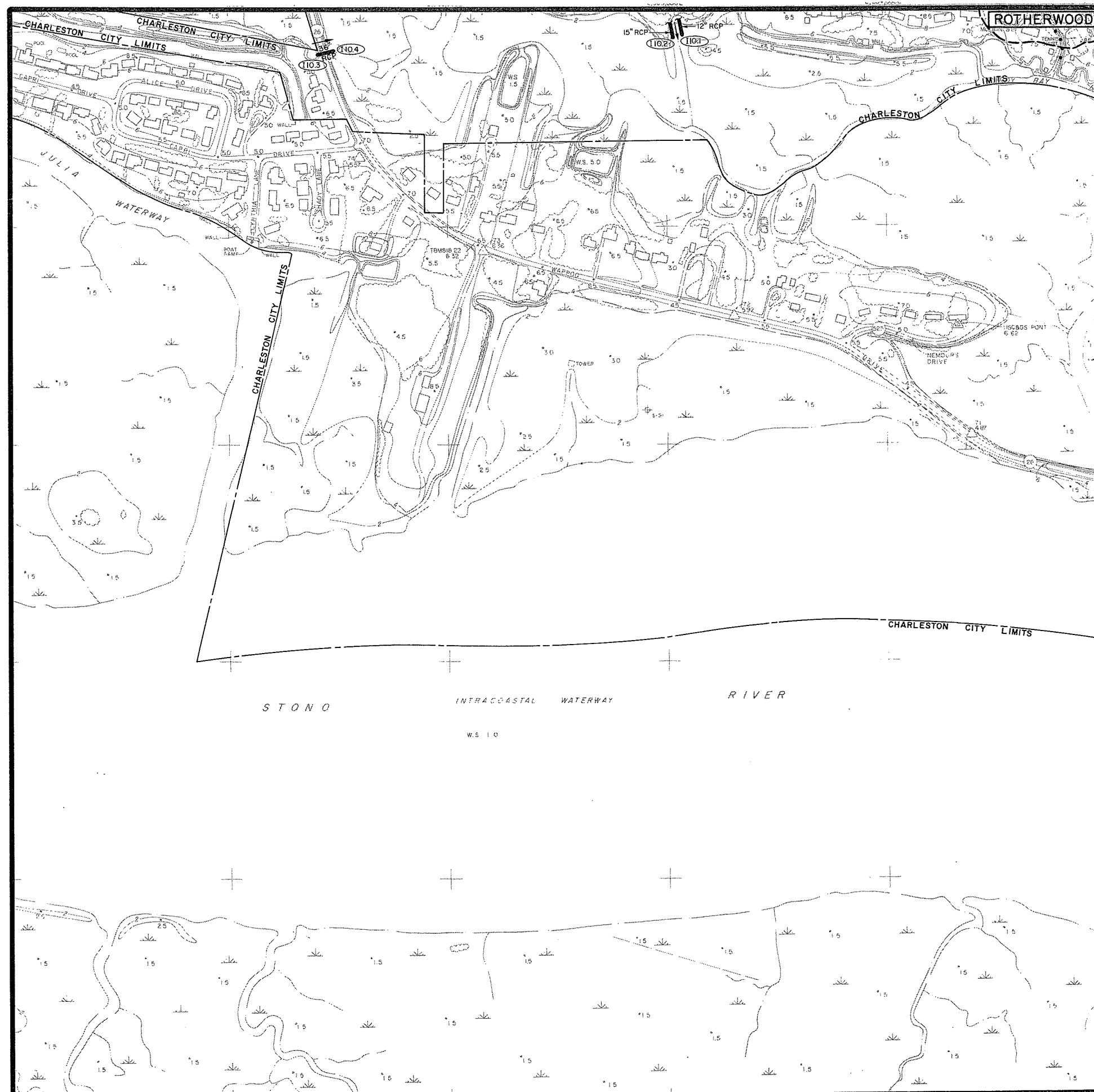
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11		I9	I8	I7	



LEGEND

- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |



INVENTORY

MAP I11

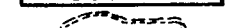
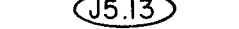
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

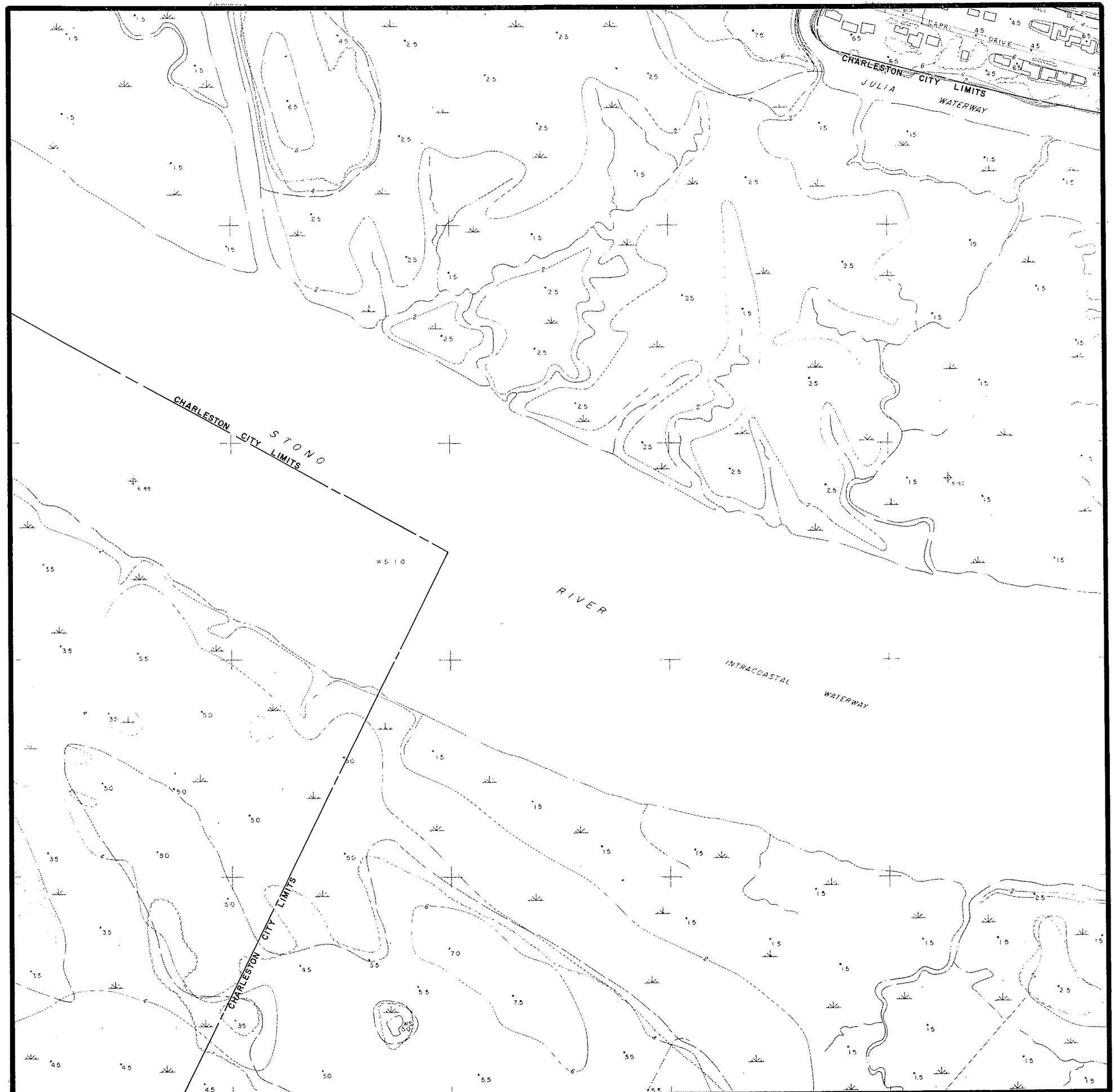
O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11	M10	M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
	K14	K13	K12	K11	K10	K9	K8	
	J14	J13	J12	J11	J10	J9	J8	J7
					I10	I9	I8	I7



LEGEND

-  DRAINAGE PIPE
-  DRAINAGE CHANNEL
-  CHARLESTON CITY LIMITS
-  WATERSHED BOUNDARY
-  WATERSHED NAME
-  DETENTION BASIN
-  BRIDGE
-  MANHOLE IDENTIFICATION NO.
-  PUMPING STATION

GRAPHIC SCALE 500 0 500 1000 1500
FEET



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-7	1	42" RCP	-0.45	C
J-7	2	42" RCP	-0.11	C
J-7	3	24" RCP	1.45	C
J-7	4	24" RCP	1.55	C
J-7	5		-	FWT
J-7	6		-	Outfall submerged
J-7	7		-	CNO
J-7	8		-	FWT
J-7	9	18" RCP (N)	-	C
J-7	10	24" RCP	-	C
J-7	11	24" RCP (S) 18" RCP (E) 18" RCP (W)	- - -	C
J-7	12	18" RCP	-	C
J-7	13	18" RCP	3.52	C
J-7	14	36" RCP	1.42	FWT
J-7	15	36" RCP (N) 36" RCP (S)	2.51 2.63	C
J-7	16	36" RCP (N) 18" RCP (S) 30" RCP (W)	4.72 6.67 6.22	C
J-7	17		-	CNO
J-7	18	30" RCP (E) 24" RCP (W)	7.91 7.91	C
J-7	19	24" RCP (E) 24" RCP (W)	8.00 8.03	C
J-7	20	1.7' x 2.4' BOX	8.89	C
J-7	21	15" RCP (N) 24" RCP (E) 18" RCP (W)	8.61 8.64 8.76	C
J-7	22	24" RCP (E) 24" RCP (W)	8.97 8.92	C
J-7	23	24" RCP (E) 24" RCP (W)	8.86 8.88	C
J-7	24		-	Buried
J-7	25	24" RCP (E) 24" RCP (W)	8.41 8.39	C
J-7	26	24" RCP (N) 18" RCP (S) 24" RCP (W)	8.20 8.24 8.31	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-7	27	24" RCP (E) 24" RCP (S)	7.97 8.14	C
J-7	28	24" RCP (E) 24" RCP (W) 15" RCP (S)	7.79 7.65 7.83	C
J-7	29	24" RCP (W) 24" RCP (S) 18" RCP (E)	7.82 7.90 8.08	C
J-7	30	24" RCP (N) 24" RCP (S)	7.62 7.52	C
J-7	31	24" RCP (N) 24" RCP (S)	7.51 7.39	C
J-7	32	24" RCP (N) 24" RCP (S) 15" RCP (E)	7.21 7.23 7.49	C
J-7	32A		-	PO
J-7	33	36" RCP (N) 30" RCP (S) 24" RCP (W)	7.08 5.85 6.10	C
J-7	34	30" RCP (N) 30" RCP (E)	- -	C
J-7	35	30" RCP (E) 30" RCP (W)	5.50 5.50	C
J-7	36	30" RCP (E) 30" RCP (W) 15" RCP (N)	5.22 5.38 7.28	C
J-7	37	30" RCP (E) 30" RCP (W)	4.69 4.67	C
J-7	38	18" RCP	9.23	C
J-7	39	18" RCP	8.83	C
J-7	40	24" RCP (E) 15" RCP (W) 18" RCP (N)	6.07 7.05 6.11	C
J-7	41	24" RCP	5.20	C
J-7	42	24" RCP (N) 18" RCP (S) 18" RCP (W)	5.41 5.73 5.23	C
J-7	43	12" RCP	-	FWT
J-7	44	30" CMP	0.52	C
J-7	45	30" CMP	3.72	C
J-7	46	24" RCP	5.05	C
J-7	47	24" RCP	4.77	C

INVENTORY

MAP J7

existing drainage facilities
CITY OF CHARLESTON

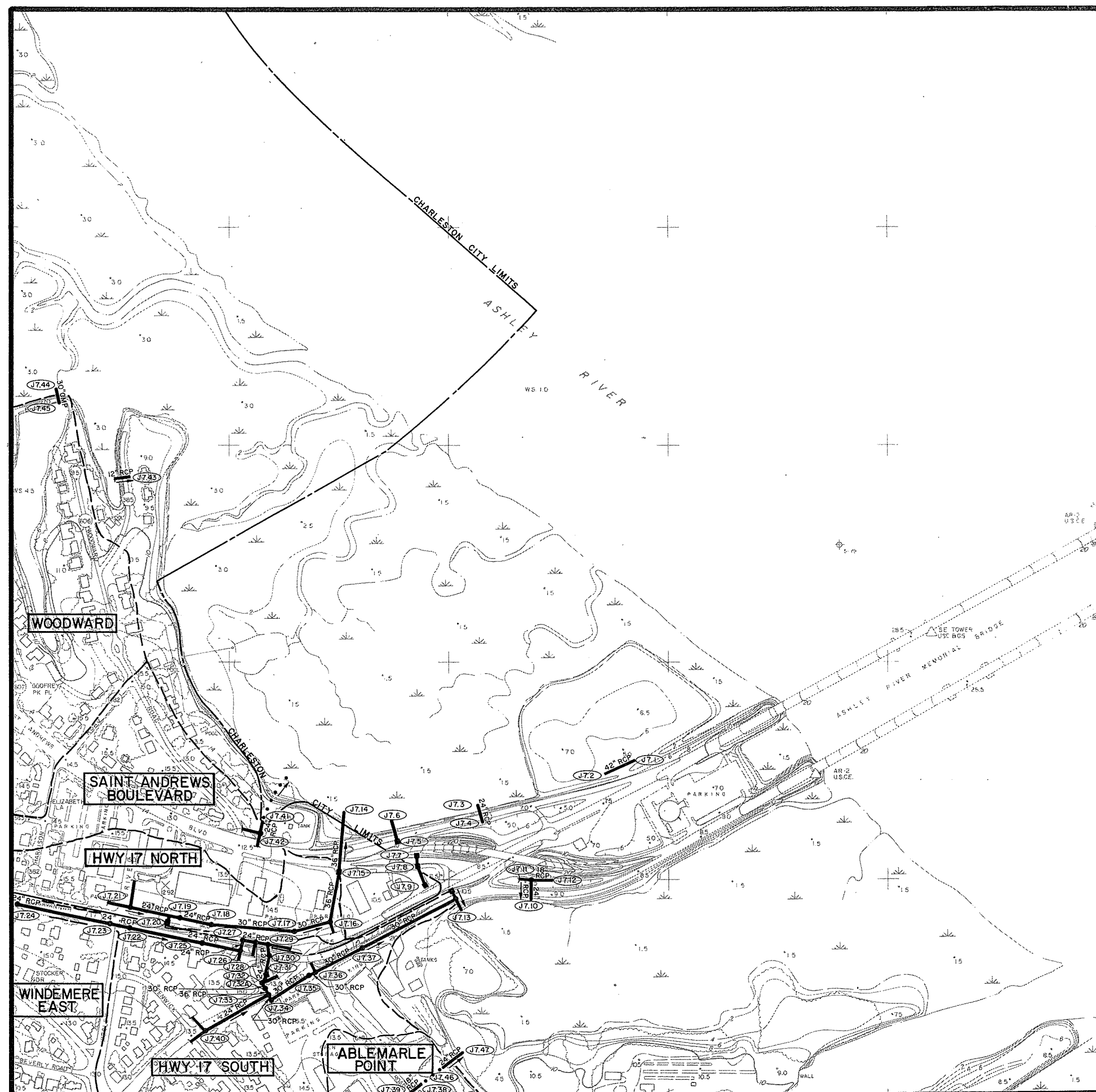
WEST OF THE ASHLEY

O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
			I11	I10	I9	I8	I7



LEGEND

-  DRAINAGE PIPE
-  DRAINAGE CHANNEL
-  CHARLESTON CITY LIMITS
-  WATERSHED BOUNDARY
-  CROSSCREEK
-  WATERSHED NAME
-  DETENTION BASIN
-  BRIDGE
-  MANHOLE IDENTIFICATION NO.
-  PUMPING STATION



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-8	1	24" RCP (N) 24" RCP (S) 18" RCP (E) 18" RCP (W)	5.18 5.18 5.66 6.01	C
J-8	2	24" RCP (S) 24" RCP (N)	5.19 5.24	C
J-8	3	24" RCP (N) 24" RCP (S) 12" RCP (E)	5.19 5.14 5.67	C
J-8	4	24" RCP (N) 24" RCP (S) 12" RCP (W)	5.27 5.27 6.57	C
J-8	5	36" RCP (N/E) 24" RCP (S) 15" RCP (E) 24" RCP (W)	4.79 4.83 5.94 5.22	C
J-8	6	36" RCP (S) 42" RCP (N)	3.91 3.81	C
J-8	7	42" RCP (N)	3.45	C
J-8	8	24" RCP (N) 24" RCP (S) 18" RCP (E)	5.58 5.63 6.17	C
J-8	9	30" RCP (W) 30" RCP (S) 18" RCP (E)	4.38 4.33 4.93	C
J-8	10		-	PO
J-8	11	30" RCP (N) 30" RCP (E)	2.98 2.78	C
J-8	12	30" RCP (W) 30" RCP (S)	2.96 2.72	C
J-8	13	30" RCP (N) 30" RCP (S)	3.10 3.20	C
J-8	14	30" RCP (N) 30" RCP (S)	3.10 2.96	C
J-8	15	30" RCP (N) 30" RCP (S)	2.96 3.00	C
J-8	16	30" RCP (N) 30" RCP (S)	2.83 2.66	C
J-8	17	30" RCP (N) 15" RCP (E) 30" RCP (W)	3.07 3.58 2.96	C
J-8	18	30" RCP (E) 30" RCP (W)	2.40 2.38	C
J-8	19	30" RCP	1.88	C
J-8	20	48" RCP (N)	1.19	C
J-8	21	48" RCP (S)	1.64	C
J-8	22	24" RCP (E)	7.50	C
J-8	23	24" RCP (W)	7.41	C
J-8	24	36" RCP (E)	-	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-8	25	36" RCP (E) 36" RCP (W) 18" RCP (N)	1.37 1.39 2.58	C
J-8	26	36" RCP (N) 36" RCP (S)	4.42 4.42	C
J-8	27	36" RCP (N) 36" RCP (S) 12" RCP (E) 12" RCP (N/E)	4.41 4.11 6.72 8.69	C
J-8	28	36" RCP (N) 36" RCP (S)	4.01 4.01	C
J-8	29	36" RCP (N) 36" RCP (S)	4.12 4.12	C
J-8	30	36" RCP (N) 36" RCP (S)	2.90 2.86	C
J-8	31	36" RCP (N) 36" RCP (S)	2.88 2.88	C
J-8	32	36" RCP (N) 36" RCP (E) 15" RCP (W)	2.77 2.72 4.42	C
J-8	33	18" RCP (N) 24" RCP (S) 18" RCP (W)	5.60 5.88 6.90	C
J-8	34		-	PO
J-8	35	18" RCP (N) 36" RCP (S#1) 36" RCP (S#2) 36" RCP (E)	3.49 2.30 2.88 2.37	C
J-8	36	36" RCP (W) 36" RCP (E)	2.65 2.72	C
J-8	37	36" RCP (W) 24" RCP (E)	2.90 3.96	C
J-8	38	24" RCP (W) 18" RCP (E)	4.11 4.66	C
J-8	39	36" RCP (N) 36" RCP (S)	1.80 1.72	C
J-8	40	36" RCP (N) 36" RCP (S)	1.83 1.71	C
J-8	41	36" RCP 36" RCP	1.41 -0.06	C
J-8	43	18" RCP	-	C
J-8	44	15" RCP	-	
J-8	45	15" RCP	-	
J-8	46		-	CNO
J-8	47	30" RCP	4.79	
J-8	48	30" RCP	3.89	
J-8	49		-	CNO

INVENTORY

MAP J8

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

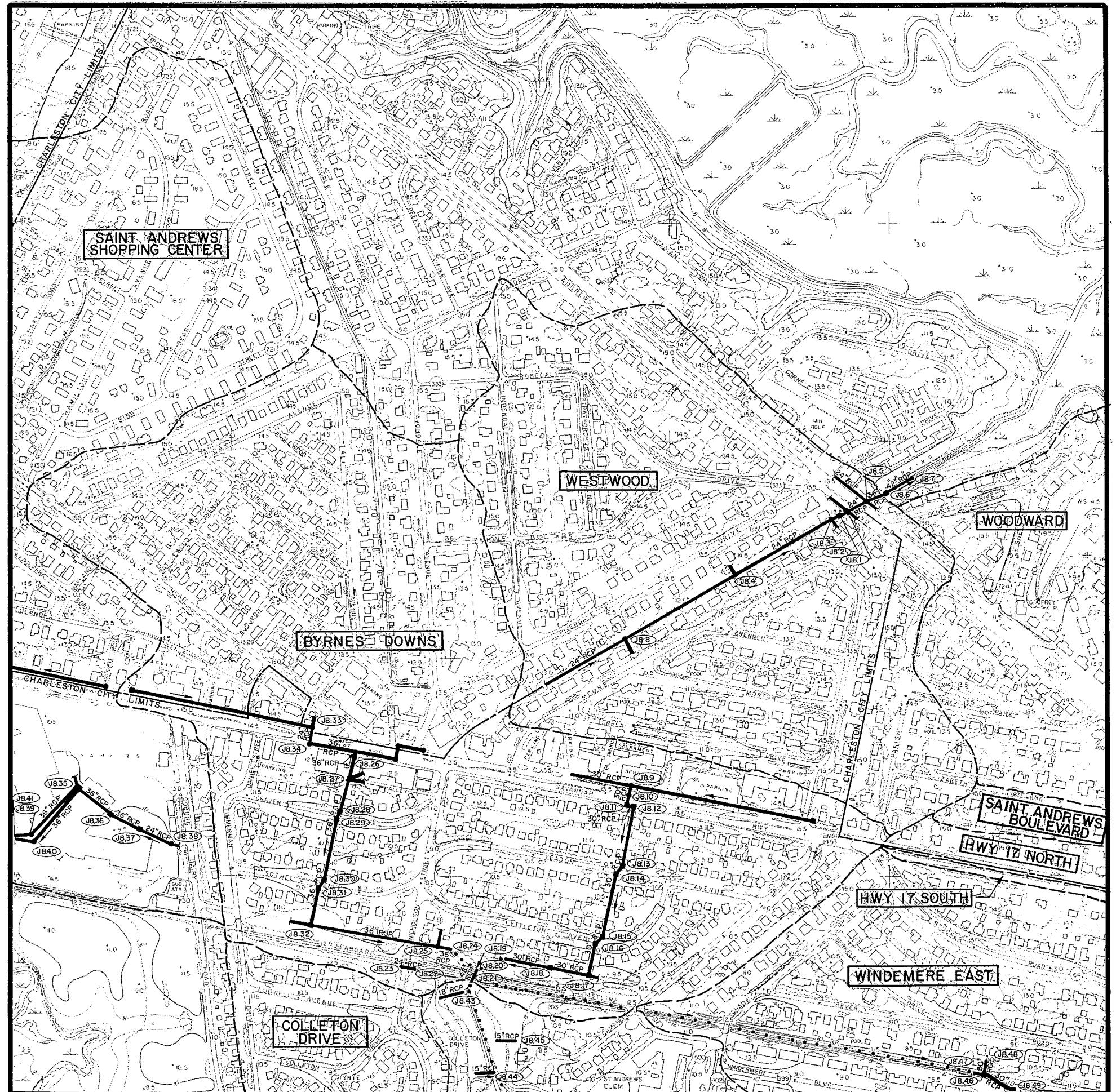
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
K14	K13	K12	K11	K10	K9	K8	
J14	J13	J12	J11	J10	J9		J7
			I11	I10	I9	I8	I7



LEGEND

- DRAINAGE PIPE
- DRAINAGE CHANNEL
- CHARLESTON CITY LIMITS
- WATERSHED BOUNDARY
- CROSSCREEK WATERSHED NAME
- DETENTION BASIN
- BRIDGE
- MANHOLE IDENTIFICATION NO.
- PUMPING STATION

GRAPHIC SCALE
500 0 500 1000 1500
FEET



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-9	1	15" RCP	-	HFS
J-9	2	18" RCP	-	HFS
J-9	3	18" RCP	-	C
J-9	4	18" RCP	-	C
J-9	5	18" RCP 18" RCP	8.62 9.06	C
J-9	6	18" RCP 18" RCP	8.09 9.00	C
J-9	9	48" RCP 48" RCP	-0.83 -0.66	C
J-9	10	48" RCP 48" RCP	-1.12 -0.75	C
J-9	13	30" RCP (N) 30" RCP (S)	3.99 3.99	C
J-9	14	24" RCP (N) 30" RCP (S)	3.74 3.74	C
J-9	15	24" RCP	4.64	C
J-9	16	24" RCP	-	C
J-9	17	24" RCP	4.55	C
J-9	18	-	-	CNO
J-9	19	24" RCP	3.87	C
J-9	20	24" RCP	3.33	C
J-9	21	36" RCP	2.72	C
J-9	22	36" RCP (N) 36" RCP (W)	2.38 2.27	C
J-9	23	36" RCP (E) 36" RCP (W)	2.08 2.08	C
J-9	24	36" RCP (E) 15" RCP (W) 36" RCP (S) 15" RCP (N)	1.48 3.50 1.48 3.40	C
J-9	25	36" RCP	1.70	C
J-9	26	36" RCP	3.88	C
J-9	27	36" RCP	3.88	C
J-9	28	24" RCP	8.22	C
J-9	29	24" RCP	8.32	C
J-9	30	24" RCP	5.91	FWT
J-9	31	24" RCP	6.19	FWT
J-9	32	24" RCP	3.64	C
J-9	33	24" CMP	3.52	C
J-9	34	24" RCP (N) 24" RCP (S) 12" RCP (W)	4.12 4.05 5.31	C
J-9	35	24" CMP (N) 24" CMP (S) 15" RCP (E)	3.91 3.91 5.01	C
J-9	36	24" RCP (N) 15" RCP (W)	3.73 4.37	C
J-9	37	24" CMP (N) 15" CMP (E)	3.60 4.32	C
J-9	38	24" CMP	1.94	C
J-9	39	18" RCP	0.95	C
J-9	40	24" CMP (N/E) 24" CMP (S/W) 15" RCP (N)	3.13 3.13 5.63	C
J-9	41	-	-	CNO
J-9	42	18" RCP	2.60	C
J-9	43	18" RCP (N) 18" CMP (N) 24" CMP (S/E)	2.81 3.79 3.17	C
J-9	44	18" RCP (N) 18" RCP (S) 15" RCP (E) 15" CMP (W)	4.21 3.56 4.37 4.38	C
J-9	45	18" CMP (N) 18" CMP (S) 15" CMP (E) 15" CMP (W)	4.20 4.02 4.28 4.27	C
J-9	46	18" RCP (S) 15" RCP (E) 18" RCP (W)	4.42 4.96 4.35	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-9	47	15" RCP	-	C
J-9	48	18" RCP	-	C
J-9	49	24" RCP	-	C
J-9	50	48" RCP (S#1) 48" RCP (S#2) 48" RCP (S#3) 48" RCP (N/W) 54" RCP (N/W) 18" RCP (N) 42" RCP (E)	2.88 2.26 2.67 1.97 2.17 5.42 3.17	C
J-9	51	42" RCP	5.51	C
J-9	52	18" RCP	5.64	C
J-9	53	48" RCP 48" RCP 48" RCP	2.81 1.69 2.54	C
J-9	56	24" CMP	1.65	C
J-9	57	24" CMP	4.34	C
J-9	58	18" RCP	4.04	C
J-9	59	48" RCP 54" RCP	2.64 1.84	C
J-9	61	24" RCP	5.52	C
J-9	62	24" RCP (S) 18" RCP (N) 18" RCP (W)	6.72 6.76 6.73	C
J-9	63	30" RCP	3.30	C
J-9	64	30" RCP (N) 30" RCP (S)	1.60 1.60	C
J-9	65	30" RCP (N) 30" RCP (S) 15" RCP (E)	1.93 1.86 3.45	C
J-9	66	30" RCP (N) 30" RCP (S)	2.19 2.20	C
J-9	67	30" RCP (N) 30" RCP (S) 18" RCP (E)	2.84 2.84 4.68	C
J-9	68	24" RCP (N) 30" RCP (S) 15" RCP (E)	3.27 3.12 5.12	C
J-9	69	4.0' x 4.0' BOX	-0.43	C
J-9	70	4.0' x 4.0' BOX (N) 4.0' x 4.0' BOX (S) 24" RCP (W)	-0.41 -0.41 0.96	C
J-9	71	4.0' x 4.0' BOX (N) 4.0' x 4.0' BOX (S) 24" RCP (W)	-1.06 -1.06 -	C
J-9	72	4.0' x 4.0' BOX	-1.00	C
J-9	73	48" RCP 48" RCP	-1.24 -1.30	C
J-9	75	48" RCP 48" RCP	-1.15 -1.21	C
J-9	77	24" CMP	3.65	C
J-9	78	24" CMP	6.27	C
J-9	79	24" CMP	7.26	C
J-9	80	24" CMP	7.44	C
J-9	81	24" RCP (E) 24" RCP (W)	3.85 3.90	C
J-9	82	24" RCP (E) 24" RCP (W)	5.95 5.95	C
J-9	83	24" RCP (E) 24" RCP (W)	6.22 6.22	C
J-9	84	24" RCP (E) 24" RCP (W)	7.20 7.20	C
J-9	85	24" RCP (E) 24" RCP (W)	8.59 8.60	C
J-9	86	18" RCP (E) 18" RCP (W)	8.75 8.75	C
J-9	87	24" RCP (E) 18" RCP (W) 15" RCP (N)	5.06 6.76 7.10	C
J-9	88	24" RCP (E) 24" RCP (W)	4.33 4.60	C
J-9	89	24" RCP (E) 24" RCP (W) 18" RCP (N)	3.57 3.83 3.38	C
J-9	90	12" RCP	-	C
J-9	91	18" RCP (E) 18" RCP (S/E) 24" RCP (S/W)	4.30 4.06 2.50	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-9	92	36" RCP (N) 36" RCP (S) 24" RCP (E)	0.60 0.40 1.75	C
J-9	93	36" RCP 36" RCP	1.64 1.64	C
J-9	95	36" RCP (N) 36" RCP (S)	0.63 0.90	C
J-9	96	18" RCP (N) 36" RCP (S) 36" RCP (W)	2.86 0.65 0.50	C
J-9	97	36" RCP (S) 36" RCP (W)	0.17 0.91	C
J-9	98	36" RCP (N) 36" RCP (E)	1.82 1.96	C
J-9	99	36" RCP (E) 36" RCP (W)	1.66 1.77	C
J-9	100	36" RCP (N) 15" RCP (S) 36" RCP (E)	1.91 4.59 1.99	C
J-9	101	36" RCP (N) 36" RCP (S)	2.11 2.11	C
J-9	102	36" RCP	2.51	C
J-9	103	36" RCP (S) 36" RCP (W) 15" RCP (N)	1.93 2.20 3.72	C
J-9	104	36" RCP	2.58	C
J-9	105	36" RCP (E) 36" RCP (W)	1.59 1.59	C
J-9	106	36" RCP	3.41	C
J-9	107	36" RCP	3.25	C
J-9	108	48" RCP	3.96	C
J-9	109	48" RCP	4.23	C
J-9	110	24" RCP	4.86	C
J-9	111	24" RCP	4.81	C
J-9	112	30" RCP	5.00	C
J-9	113	30" RCP	5.41	C
J-9	114	30" RCP	4.25	C
J-9	115	30" RCP (N) 30" RCP (S) 18" RCP (E) 18" RCP (W)	4.23 4.10 6.15 6.16	C
J-9	116	30" RCP (N) 30" RCP (S) 18" RCP (E) 18" RCP (W)	4.31 4.17 6.06 6.23	C
J-9	117	30" RCP	4.51	C
J-9	118	30" RCP	3.77	C
J-9	119	30" RCP (N) 30" RCP (S) 18" RCP (E) 18" RCP (W)	3.86 3.60 5.68 5.69	C
J-9	120	30" RCP (N) 30" RCP (S) 18" RCP (E) 18" RCP (W)	3.60 3.58 5.84 5.80	C
J-9	121	30" RCP	3.57	C
J-9	122	24" RCP	4.32	C
J-9	123	24" RCP	4.42	C
J-9	124	24" RCP	6.05	C
J-9	125	24" RCP	6.02	C
J-9	126	24" RCP	6.07	C
J-9	127	24" RCP	5.94	C
J-9	128	24" RCP	5.98	C
J-9	129	24" RCP	5.60	C
J-9	130	18" RCP 18" RCP	10.76 10.33	HFS
J-9	132	18" RCP 18" RCP	10.54 10.57	HFS
J-9	134	18" RCP	-	C

INVENTORY

MAP J9

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10		J8	J7	
				I11	I10	I9	I8	I7	

WEST OF THE ASHLEY



LEGEND

- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |

GRAPHIC SCALE

500 0 500 1000 1500

FEET



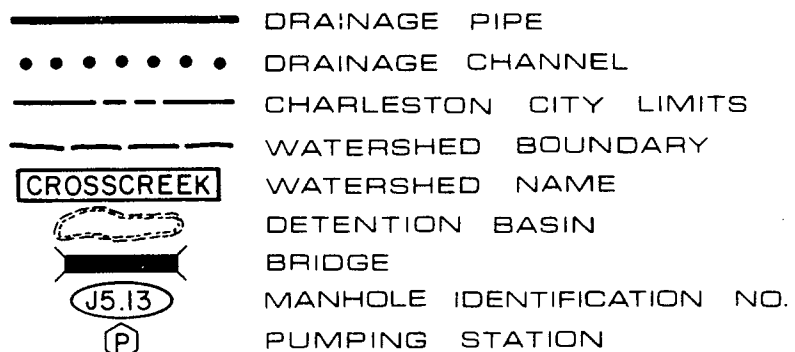
SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION	SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION	SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
J-10	1	24" RCP (N) 24" RCP (W) 18" RCP (E)	5.88 5.88 5.08	C	J-10	33	24" RCP (S) 18" RCP (W)	7.04 7.29	C	J-10	58	18" RCP (N) 24" RCP (E) 12" RCP (S) 24" RCP (W)	9.62 9.14 10.39 9.16	C
J-10	2	24" RCP	5.72	C	J-10	34	24" RCP	8.72	C	J-10	59	24" RCP (E) 24" RCP (W) 18" RCP (N)	9.53 9.62 9.91	C
J-10	3	24" RCP 24" RCP	5.69 5.52	C	J-10	36	30" RCP (E) 30" RCP (W)	6.81 6.24	C	J-10	60	24" RCP (E) 18" RCP (W) 18" RCP (N)	10.21 10.21 10.68	C
J-10	5	24" RCP 24" RCP	5.94 5.79	C	J-10	37	24" RCP (E) 30" RCP (W)	7.38 7.19	C	J-10	61	24" RCP	10.85	C
J-10	7	36" CMP	6.04	C	J-10	38	24" RCP (E) 24" RCP (W)	7.78 7.78	C	J-10	62	24" RCP (N) 24" RCP (S) 18" RCP (E) 24" RCP (W)	10.43 10.43 10.43 10.43	C
J-10	8	36" CMP	-	C	J-10	39	18" RCP (E) 24" RCP (W)	8.11 8.11	C	J-10	63	18" RCP (N) 24" RCP (S) 18" RCP (E)	11.21 11.21 11.21	C
J-10	9	18" RCP	3.34	C	J-10	40	18" RCP (E) 24" RCP (W)	8.13 8.07	C	J-10	64	36" RCP	7.95	C
J-10	10	24" RCP (S) 12" RCP (E) 12" RCP (W)	2.41 4.10 3.36	C	J-10	41	24" RCP (E) 24" RCP (W)	7.86 7.86	C	J-10	65	36" RCP	7.28	C
J-10	11	24" RCP	3.13	C	J-10	42	24" RCP (E) 30" RCP (W)	7.46 7.32	C	J-10	66	30" RCP	7.78	C
J-10	12	24" RCP (S) 18" RCP (N) 12" RCP (E) 15" RCP (W)	5.94 6.02 6.79 7.04	C	J-10	43	30" RCP (E) 30" RCP (W)	6.66 6.66	C	J-10	67	30" RCP	7.53	C
J-10	13	36" CIP	12.16	FS	J-10	44	55" x 73" CMP (N) 55" x 73" CMP (S) 30" RCP (E)	2.80 2.66 2.73	C	J-10	68	30" RCP	7.80	C
J-10	14	36" RCP	12.04	FS	J-10	45	55" x 73" CMP	2.49	C	J-10	69	30" RCP	8.07	C
J-10	15	36" RCP	-	C	J-10	46	55" x 73" CMP (N) 55" x 73" CMP (S)	2.54 2.42	C	J-10	70	30" RCP	7.50	C
J-10	16	30" RCP	8.87	HFS	J-10	47	55" x 73" CMP (S) 48" RCP (N) 42" RCP (N/W)	1.92 2.22 2.22	C	J-10	71	24" RCP 24" RCP	6.88 6.89	C
J-10	17	30" CMP	5.74	C	J-10	48	48" RCP (N) 42" RCP (S/E) 30" RCP (W) 18" RCP (E)	- 1.08 2.31 -	C	J-10	72	24" RCP 24" RCP	6.52 6.64	C
J-10	18	36" RCP	6.41	C	J-10	49	48" RCP (N) 48" RCP (S)	5.00 4.94	C	J-10	73	36" RCP	7.41	C
J-10	19	36" RCP	6.27	C	J-10	50	48" RCP	4.53	C	J-10	74	36" RCP	7.44	C
J-10	20	36" CMP	4.03	C	J-10	51	48" RCP	3.65	C	J-10	75	24" RCP 24" RCP	7.35 7.35	C
J-10	21	30" RCP (N) 36" CMP (E) 36" RCP (S/W)	3.90 3.82 3.62	C	J-10	52	30" RCP (E) 30" RCP (W) 18" RCP (N)	4.73 5.35 4.94	C	J-10	76	24" RCP 24" RCP	6.61 6.57	C
J-10	22	36" RCP (N) 36" RCP (S)	3.86 3.86	C	J-10	53	18" x 29" CMP (N) 13" x 22" CMP (E)	7.92 7.90	C	J-10	77	24" RCP 24" RCP	6.73 6.69	C
J-10	23	36" RCP (N) 36" RCP (S) 12" RCP (W)	3.54 3.54 4.57	C	J-10	54	18" x 29" CMP (N) 18" x 29" CMP (S) 18" CMP (W)	7.36 7.38 8.42	C	J-10	78	24" RCP 24" RCP	6.56 6.65	C
J-10	24	36" RCP (N) 36" CMP (S)	3.13 2.93	C	J-10	55	30" RCP (W) 18" RCP (N) 18" x 29" CMP (S) 30" RCP (E)	6.62 6.65 7.59 6.00	C	J-10	79	24" RCP 24" RCP	6.47 6.26	C
J-10	25	36" CMP (N) 36" CMP (S)	2.10 2.10	C	J-10	56	30" RCP (E) 30" RCP (W)	6.02 5.97	C	J-10	80	24" RCP 24" RCP	6.50 6.61	C
J-10	26	36" CMP (N) 36" CMP (S)	2.36 2.36	C	J-10	57	18" RCP (N) 30" RCP (E) 24" RCP (W) 12" RCP (S/W)	8.67 8.76 9.08 9.93	C	J-10	81	24" RCP	6.20 6.04	C
J-10	27	36" CMP (N) 36" RCP (S)	1.85 1.85	C	J-10	58	30" RCP (E) 30" RCP (W)	6.02 5.97	C	J-10	82	24" RCP 24" RCP	6.73 6.69	C
J-10	28	36" RCP (N) 42" CMP (S) 30" RCP (W)	1.74 1.25 1.84	C	J-10	59	18" RCP (N) 30" RCP (E) 24" RCP (W) 12" RCP (S/W)	8.67 8.76 9.08 9.93	C	J-10	83	24" RCP	6.56 6.65	C
J-10	29	-	-	CNO	J-10	60	30" RCP (E) 30" RCP (W)	6.02 5.97	C	J-10	84	24" RCP 24" RCP	6.47 6.26	C
J-10	30	-	-	CNO	J-10	61	18" RCP (N) 30" RCP (E) 24" RCP (W) 12" RCP (S/W)	8.67 8.76 9.08 9.93	C	J-10	85	24" RCP	6.50 6.61	C
J-10	31	42" CMP (N) 42" CMP (S)	0.56 0.58	C	J-10	62	18" RCP (N) 30" RCP (E) 24" RCP (W) 12" RCP (S/W)	8.67 8.76 9.08 9.93	C	J-10	86	24" RCP	6.20 6.04	C
J-10	32	42" CMP	0.50	C	J-10	63	30" RCP (E) 30" RCP (W)	6.02 5.97	C	J-10	87	24" RCP	6.56 6.65	C

MAP J10

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11		J9	J8	J7	
				I11	I10	I9	I8	I7	

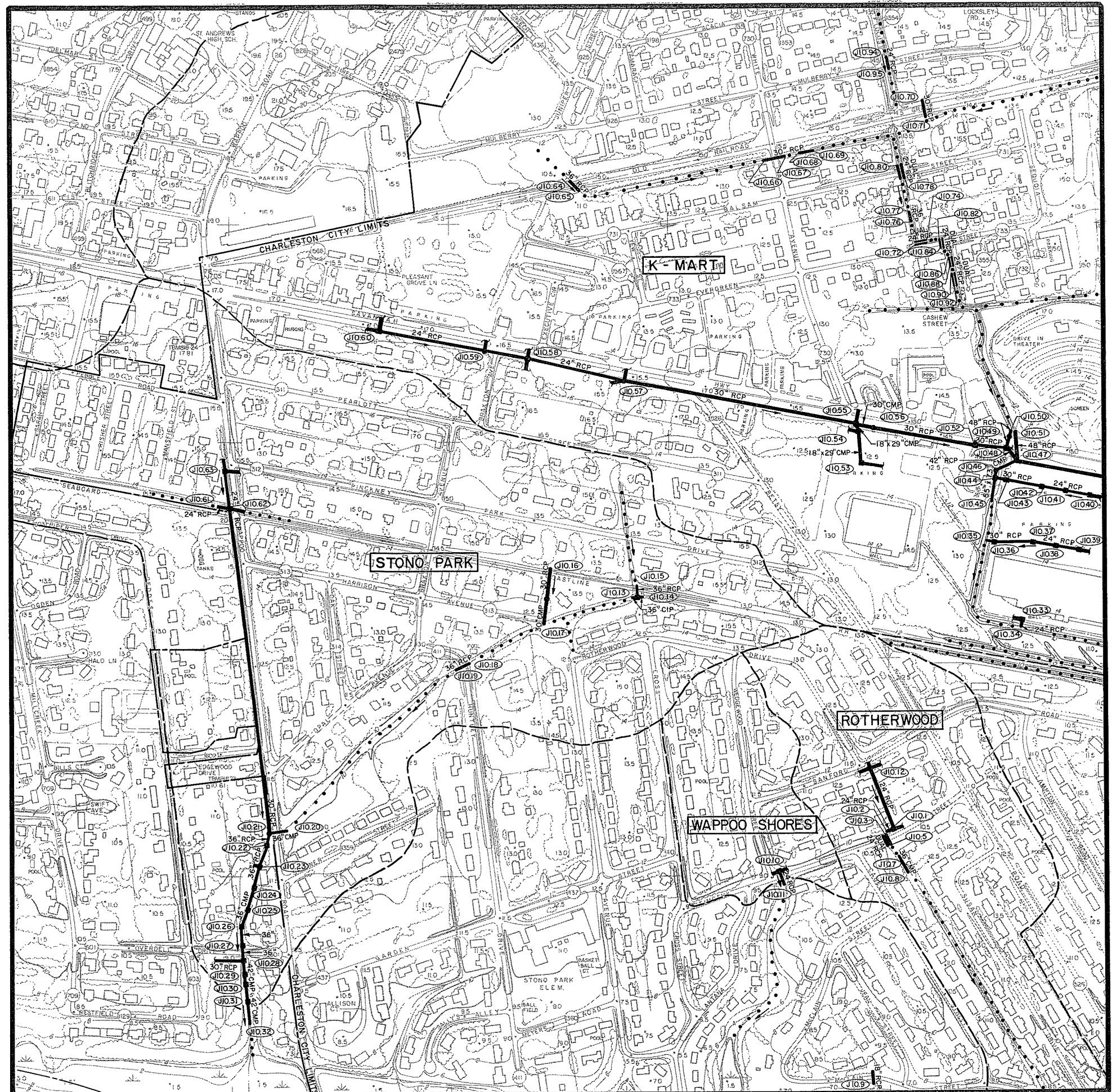
LEGEND



GRAPHIC SCALE

500 0 500 1000 1500

FEET



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
J-11	1	18" RCP	1.77	C
J-11	2	18" RCP	1.03	C
J-11	3	24" RCP	1.63	C
J-11	4	18" RCP (N)	2.73	C
		24" RCP (S)	2.46	
		15" RCP (E)	7.00	
		15" RCP (W)	7.00	
J-11	5	15" RCP	6.41	C
		15" RCP	6.48	
J-11	7	15" RCP	6.50	C
		15" RCP	6.29	
J-11	9	24" RCP	4.73	C
J-11	10	24" RCP (N)	4.74	C
		24" RCP (S)	4.74	
J-11	11	24" RCP (N)	4.22	C
		24" RCP (S)	4.47	
		18" RCP (W)	4.82	
J-11	12	30" RCP (N)	4.03	C
		24" RCP (S)	4.18	
		18" RCP (E)	4.81	
J-11	13	42" RCP (N)	3.79	C
		30" RCP (S)	3.81	
J-11	14	42" RCP	3.58	C
J-11	81	42" RCP	3.05	C
		42" RCP	2.95	

INVENTORY

MAP J11

existing drainage facilities
CITY OF CHARLESTON

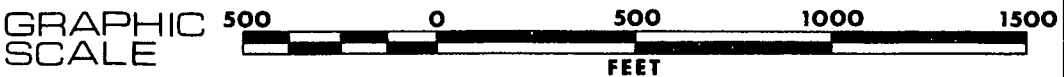
WEST OF THE ASHLEY

O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
K14	K13	K12	K11	K10	K9	K8	
J14	J13	J12		J10	J9	J8	J7
			I11	I10	I9	I8	I7



LEGEND

- DRAINAGE PIPE
- DRAINAGE CHANNEL
- CHARLESTON CITY LIMITS
- WATERSHED BOUNDARY
- CROSSCREEK WATERSHED NAME
- DETENTION BASIN
- BRIDGE
- J5.13 MANHOLE IDENTIFICATION NO.
- P PUMPING STATION



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
J-12	1	48" RCP 48" RCP 48" RCP	-2.14 -2.32 -1.54	C
J-12	4	48" RCP 48" RCP 48" RCP	-2.64 -3.00 -2.36	C
J-12	7	18" RCP	2.72	C
J-12	8	18" RCP (N) 24" RCP (S)	1.47 1.40	C
J-12	9	24" RCP	0.57	C
J-12	10	18" RCP	1.70	C
J-12	11	18" CMP	-0.48	C, with tide gate
J-12	12	18" CMP	-0.28	C
J-12	13	42" RCP	-0.06	C
J-12	14	42" RCP	0.10	C
J-12	15	Bridge	11.62 -2.5	Top of bridge Bottom of channel
J-12	16	8.0' x 8.0' BOX	-3.20	C

INVENTORY

MAP J12

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11	M10	M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
	K14	K13	K12	K11	K10	K9	K8	
	J14	J13		J11	J10	J9	J8	J7
				I11	I10	I9	I8	I7

N

LEGEND

- DRAINAGE PIPE
- DRAINAGE CHANNEL
- CHARLESTON CITY LIMITS
- WATERSHED BOUNDARY
- CROSSCREEK
- WATERSHED NAME
- DETENTION BASIN
- BRIDGE
- MANHOLE IDENTIFICATION NO.
- PUMPING STATION



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
J-13	1	24" RCP	2.11	C
J-13	2	24" RCP	2.19	C
J-13	3	18" CMP	1.64	C
J-13	4	18" CMP	1.68	C
J-13	5	24" RCP	4.10	C
J-13	6	24" RCP	3.96	C
J-13	7	30" CMP	-0.82	C
J-13	8	30" CMP	-1.50	C

INVENTORY

MAP J13

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

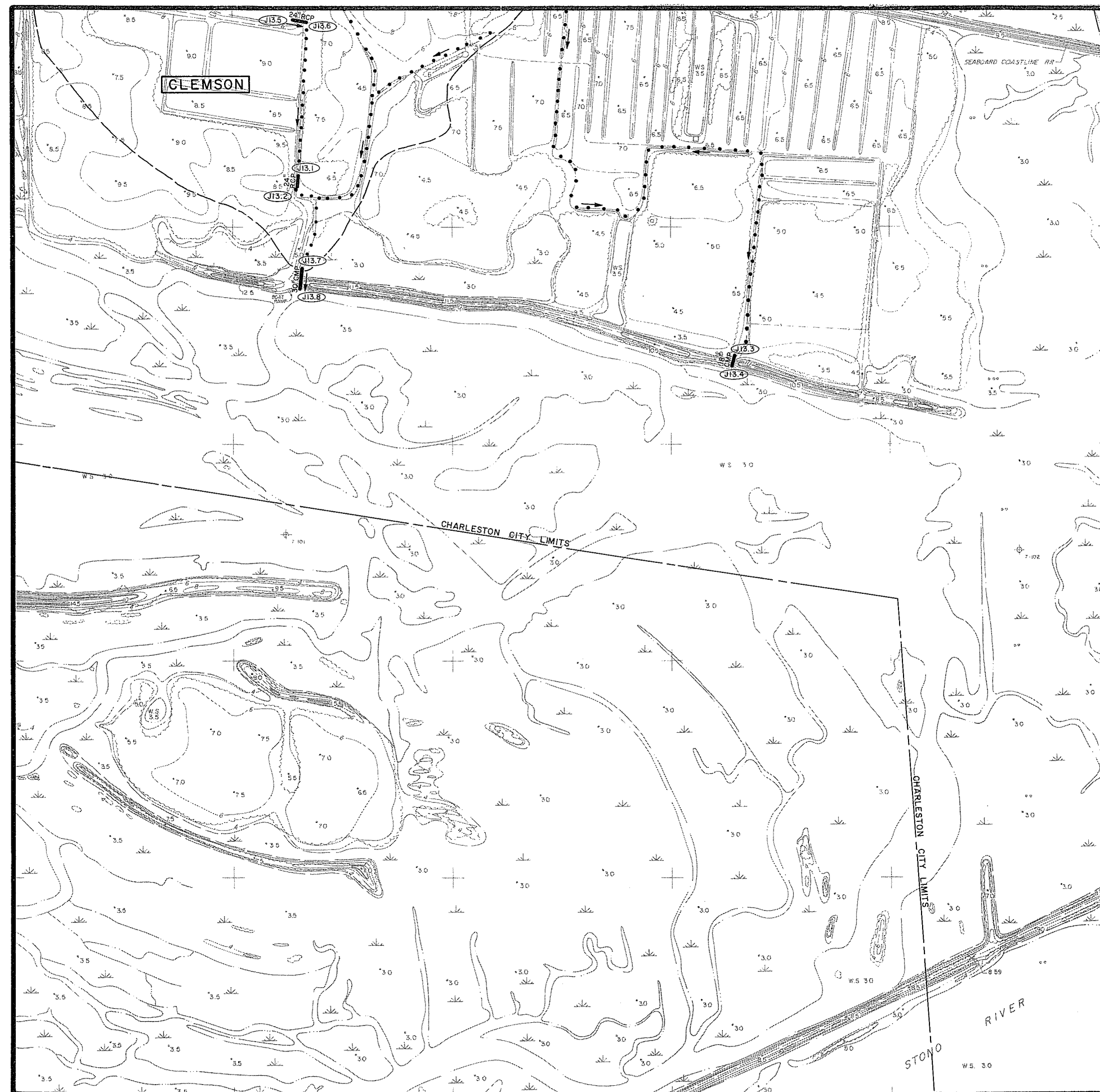
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
J14			J12	J11	J10	J9	J8
				I11	I10	I9	I8
							I7



LEGEND

-  DRAINAGE PIPE
-  DRAINAGE CHANNEL
-  CHARLESTON CITY LIMITS
-  WATERSHED BOUNDARY
-  CROSSCREEK
-  DETENTION BASIN
-  BRIDGE
-  MANHOLE IDENTIFICATION NO.
-  PUMPING STATION

GRAPHIC SCALE 500 0 500 1000 1500
FEET



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
K-8	1	48" RCP (E) 48" RCP (W)	6.32 6.39	C
K-8	2	48" RCP (E) 48" RCP (W)	5.74 5.85	C C
K-8	3	48" RCP (E) 48" RCP (W)	5.16 5.16	C C
K-8	4	48" RCP	-	C
K-8	5	36" RCP	2.14	C
K-8	6	36" RCP	1.54	C