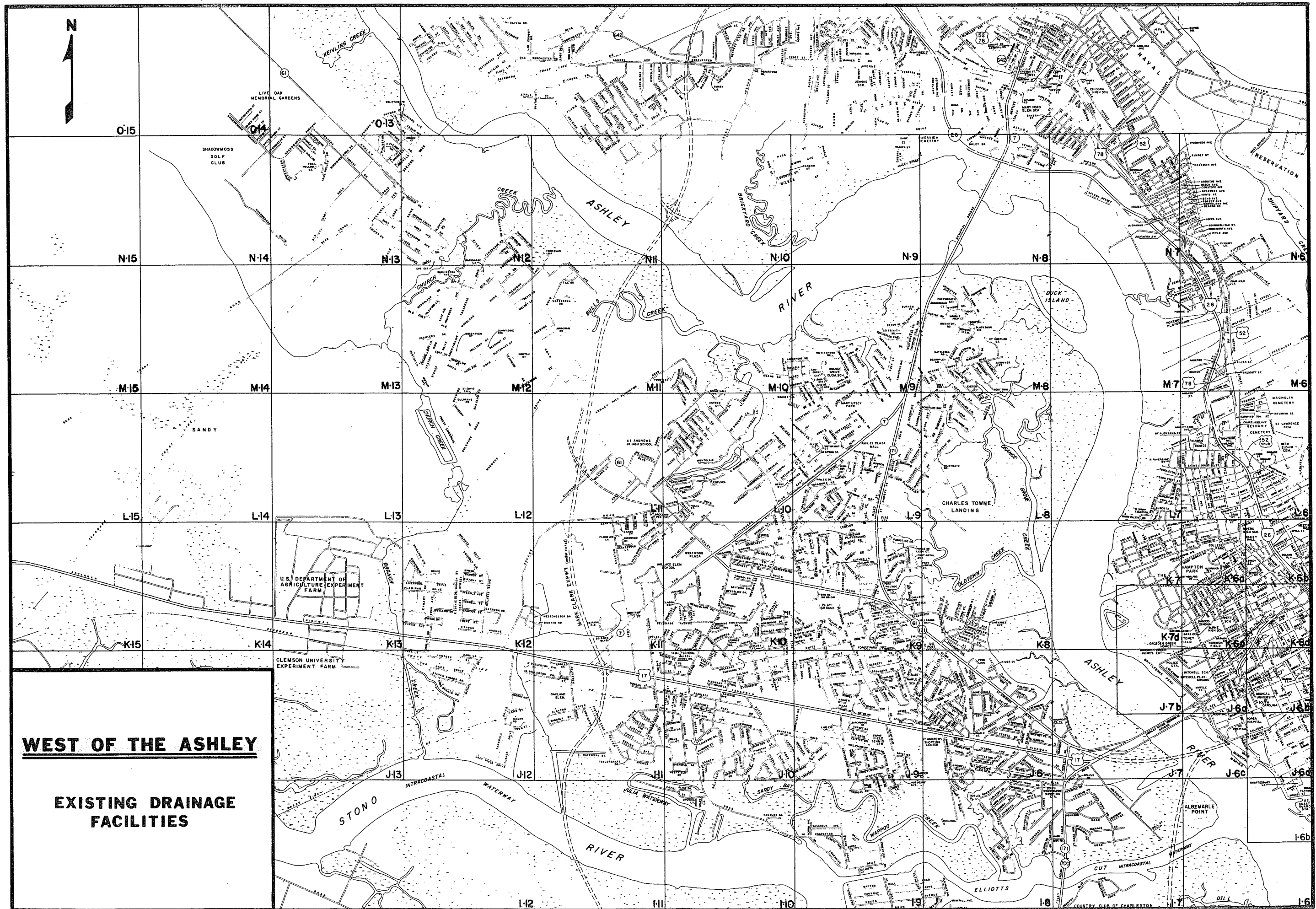




<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
I-7	1A	18" Iron	-	C
I-7	2A	24" VCP	-	C
I-7	3A	18" RCP	-	HFS
I-7	4A	15" RCP	-	C
I-7	5A	8" RCP	-	C
I-7	1	15" RCP	-	FWT
I-7	2	12" RCP	-	C
I-7	3	15" RCP	-	C
I-7	4	15" RCP	-	C
I-7	5	18" RCP (N)	-	C
I-7	6	18" RCP (S)	-	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

MAP I7

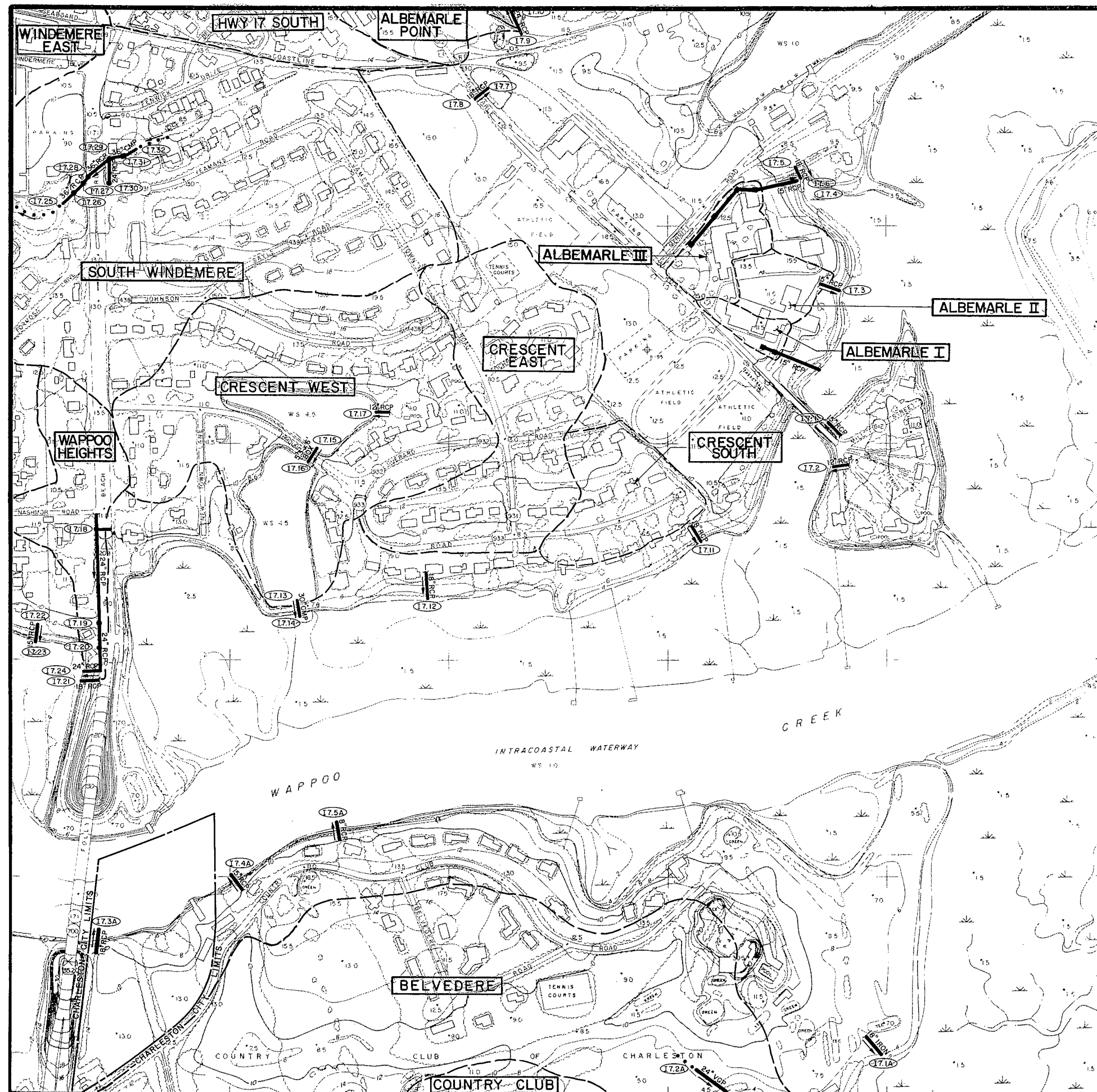
existing drainage facilities
CITY OF CHARLESTON

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		



LEGEND

- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | 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>
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

existing drainage facilities
CITY OF CHARLESTON

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

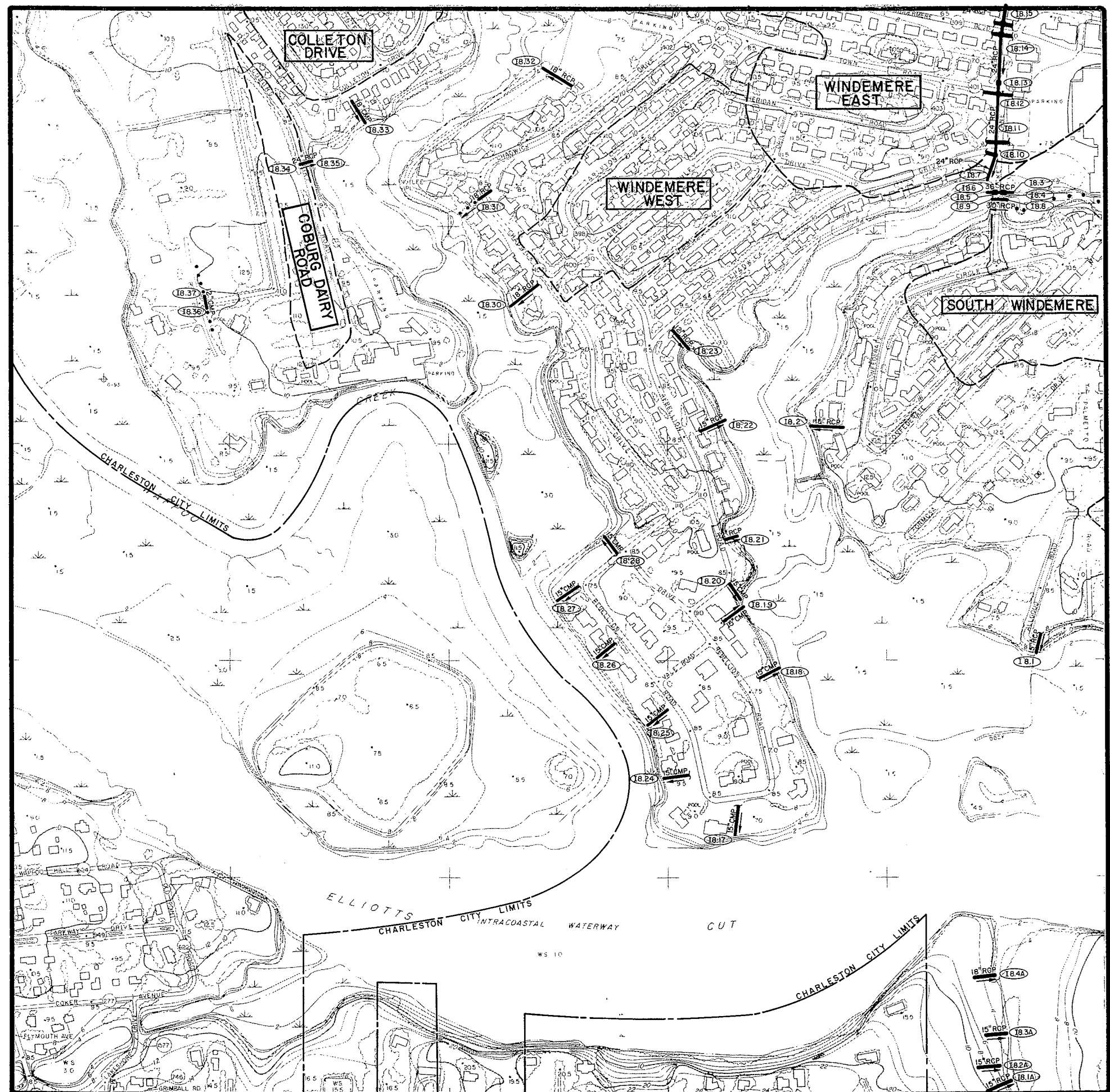
- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |

J5.13

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



<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

WEST OF THE ASHLEY

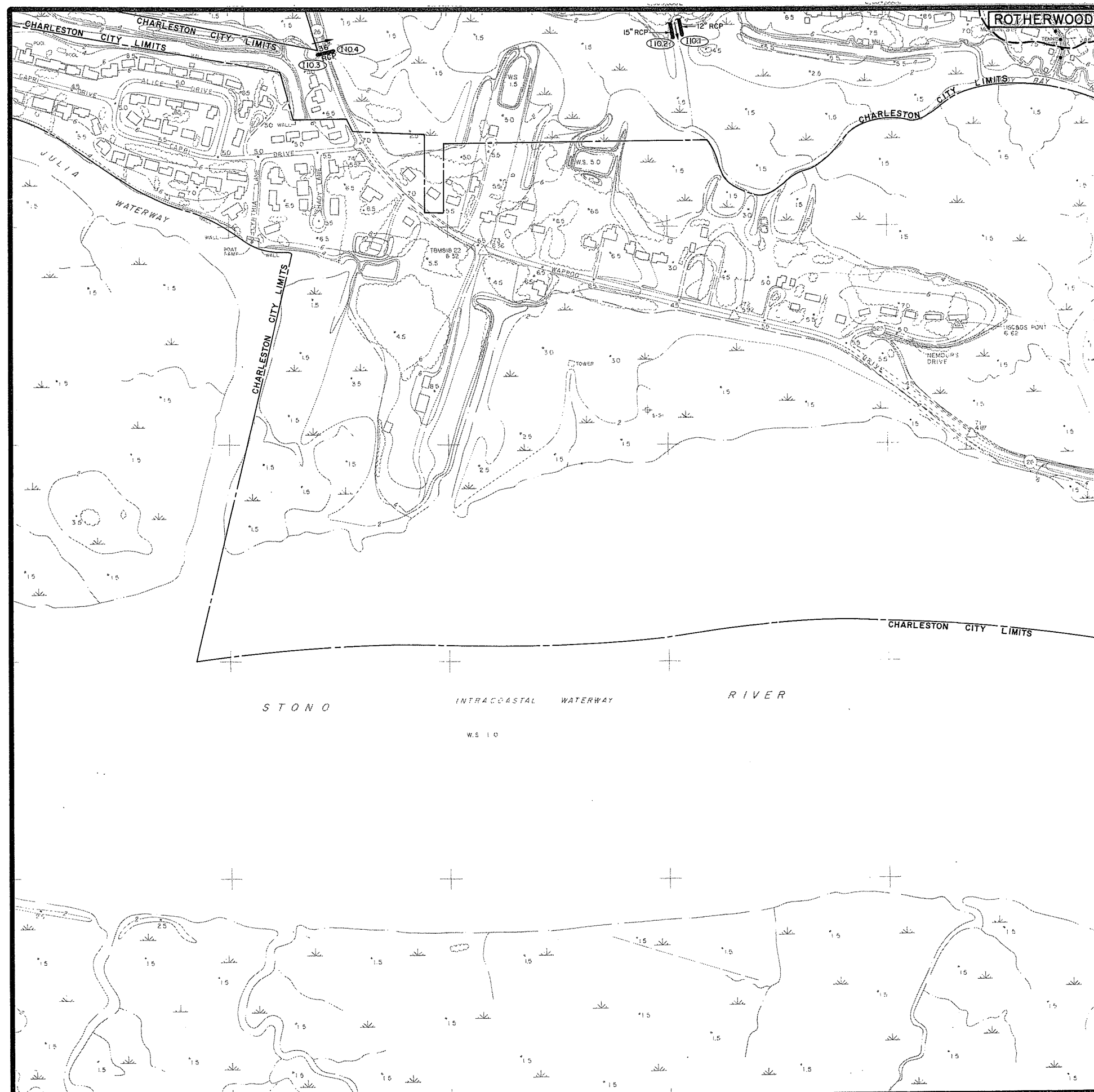
WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11		I9	I8	I7	



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



INVENTORY

MAP I11

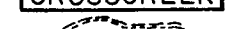
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

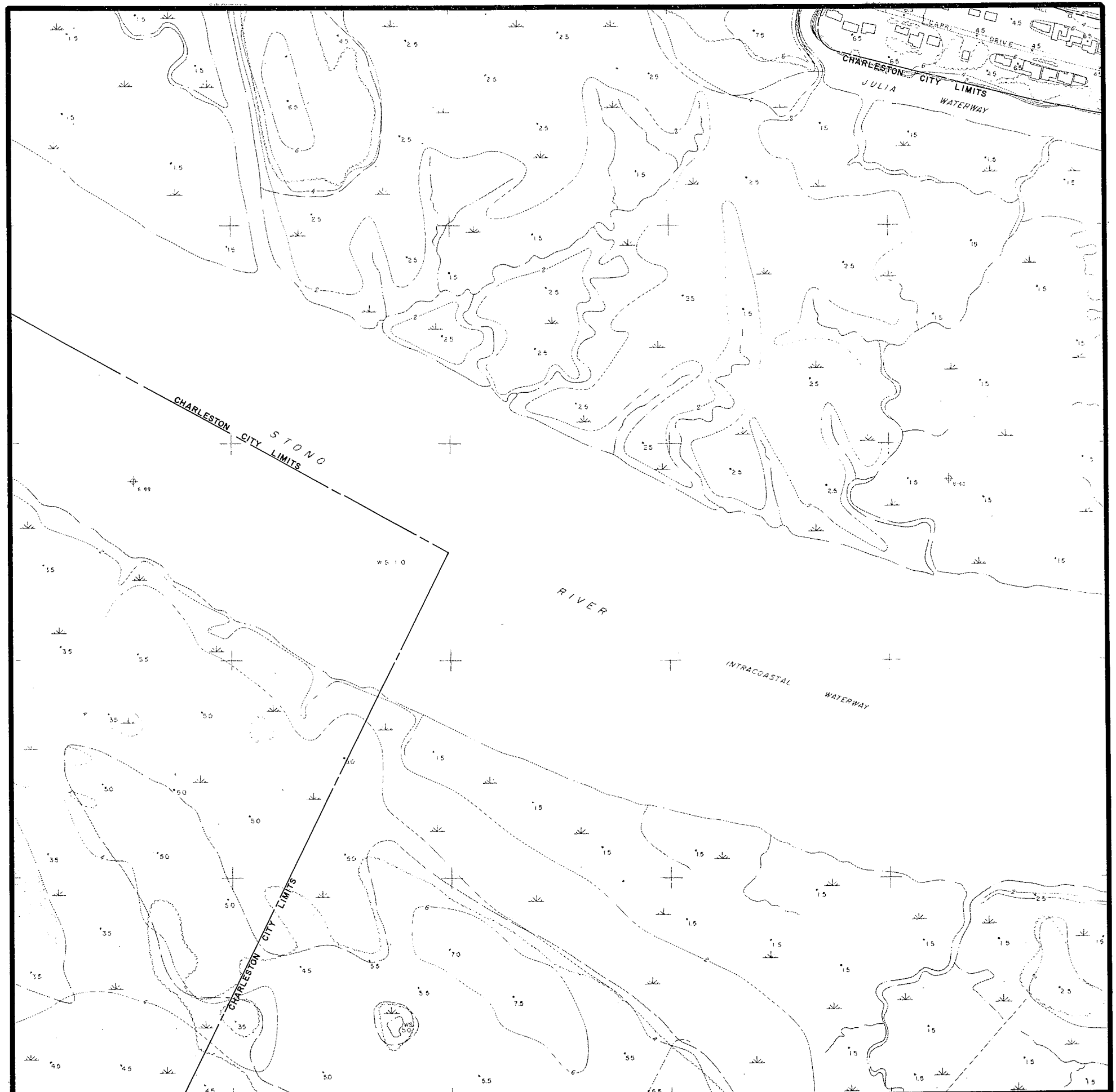
O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11	M10	M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
	K14	K13	K12	K11	K10	K9	K8	
	J14	J13	J12	J11	J10	J9	J8	J7
					I10	I9	I8	I7



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

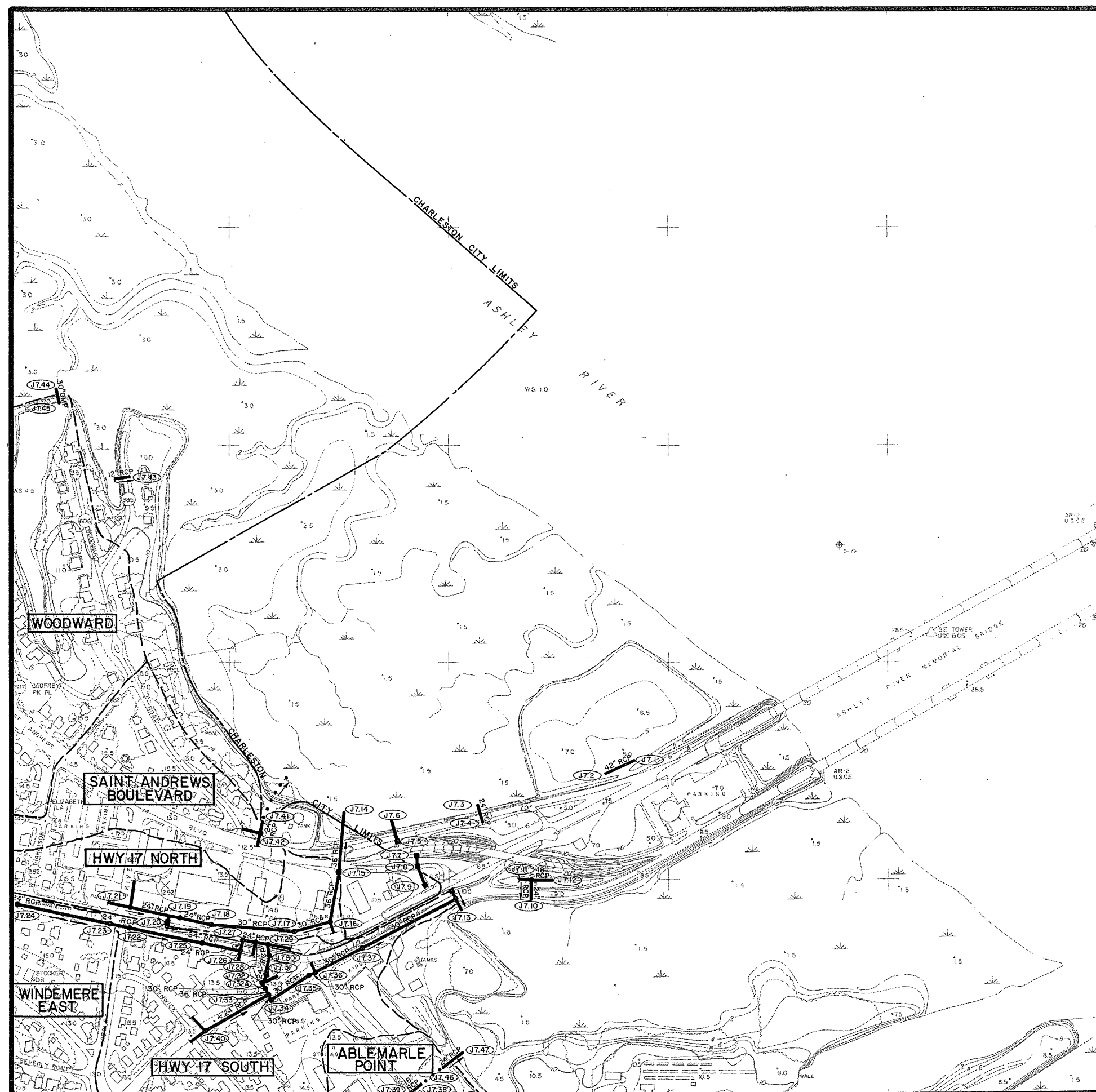
WEST OF THE ASHLEY

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

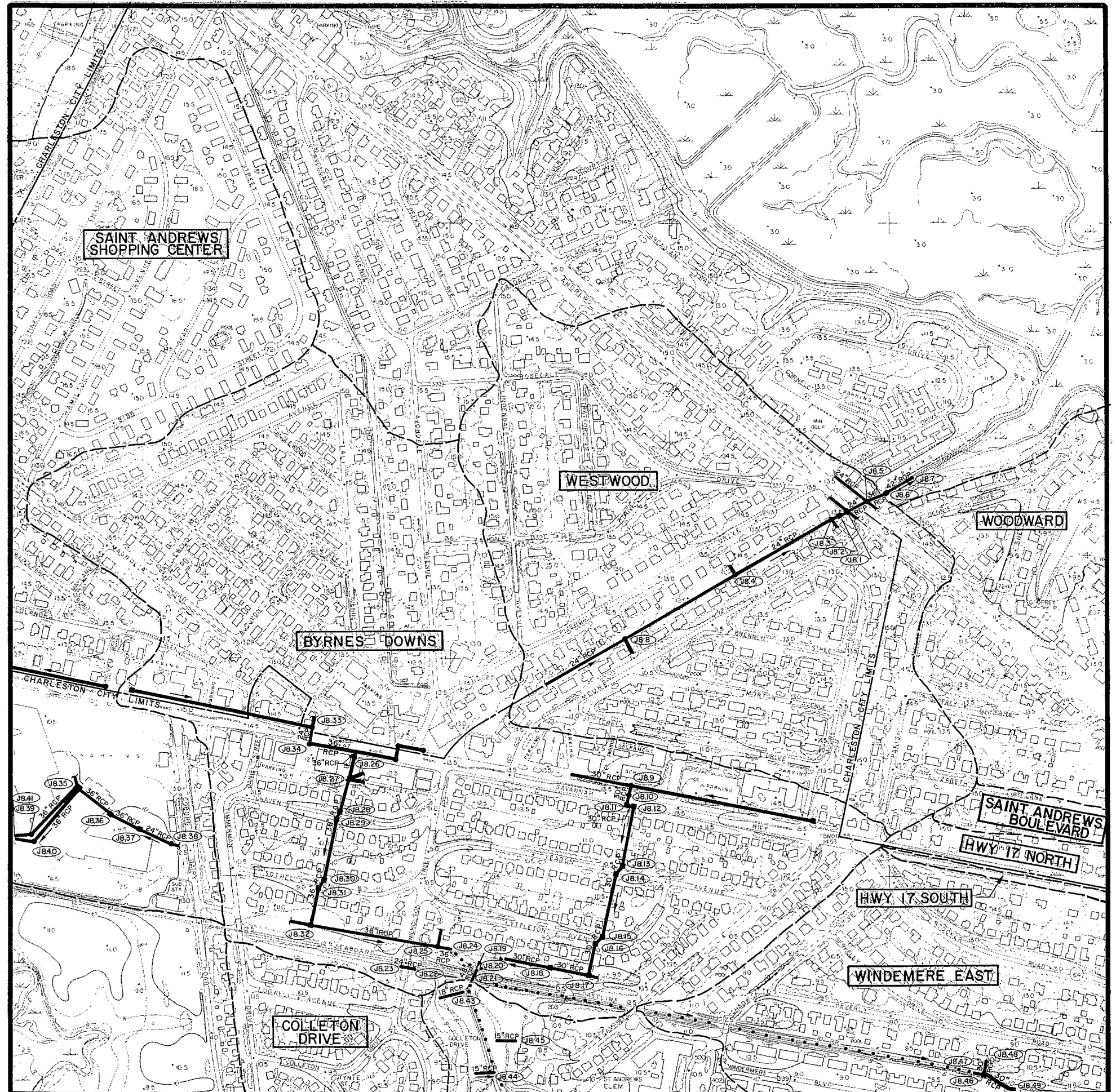
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
K14	K13	K12	K11	K10	K9	K8	
J14	J13	J12	J11	J10	J9		J7
			I11	I10	I9	I8	I7



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

existing drainage facilities
CITY OF CHARLESTON

MAP J9

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		J8	J7	
				I11	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



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

<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
- 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-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

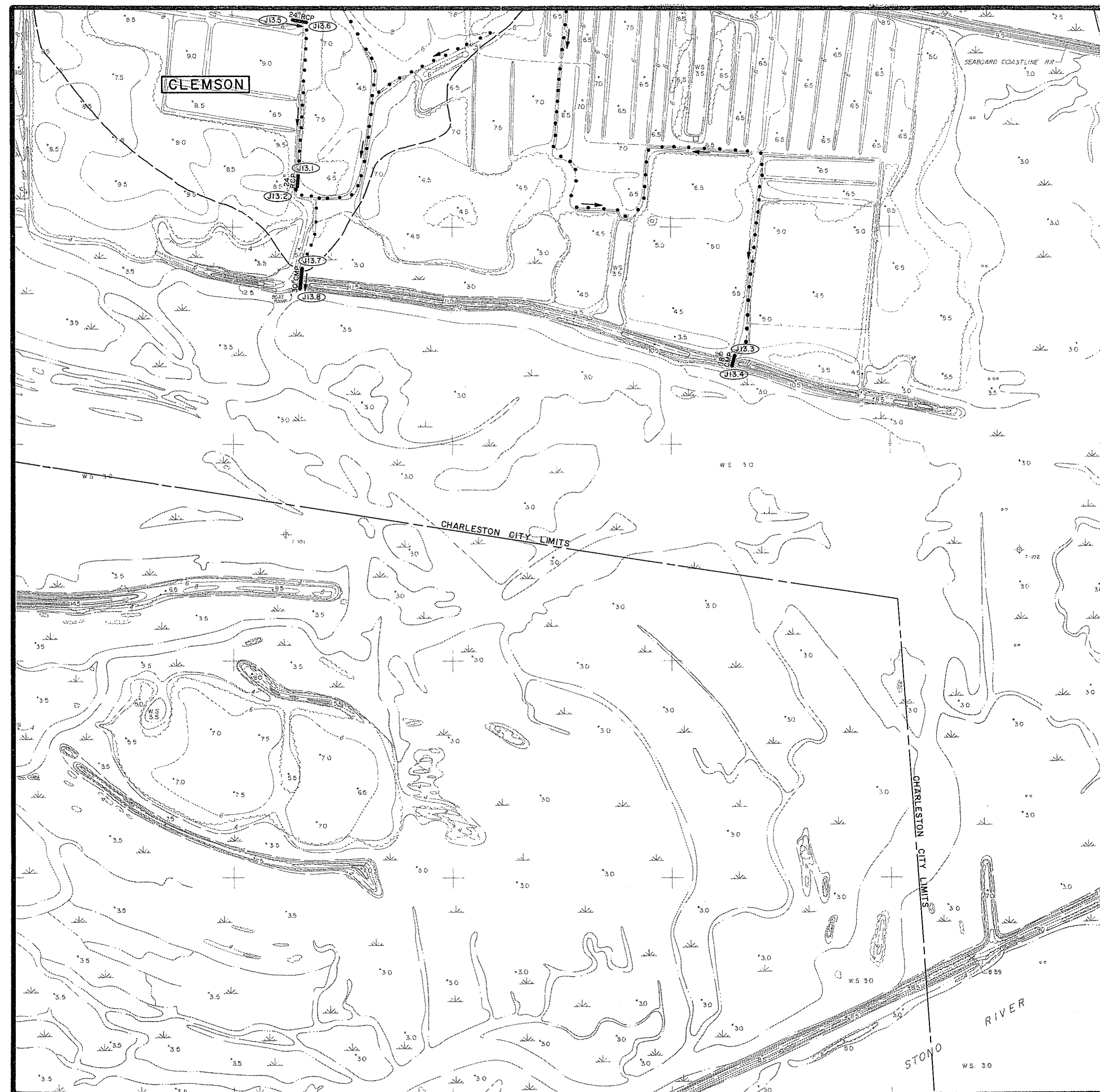
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
J14			J12	J11	J10	J9	J8
				I11	I10	I9	I8
							I7



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

INVENTORY

MAP K8

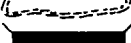
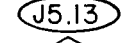
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

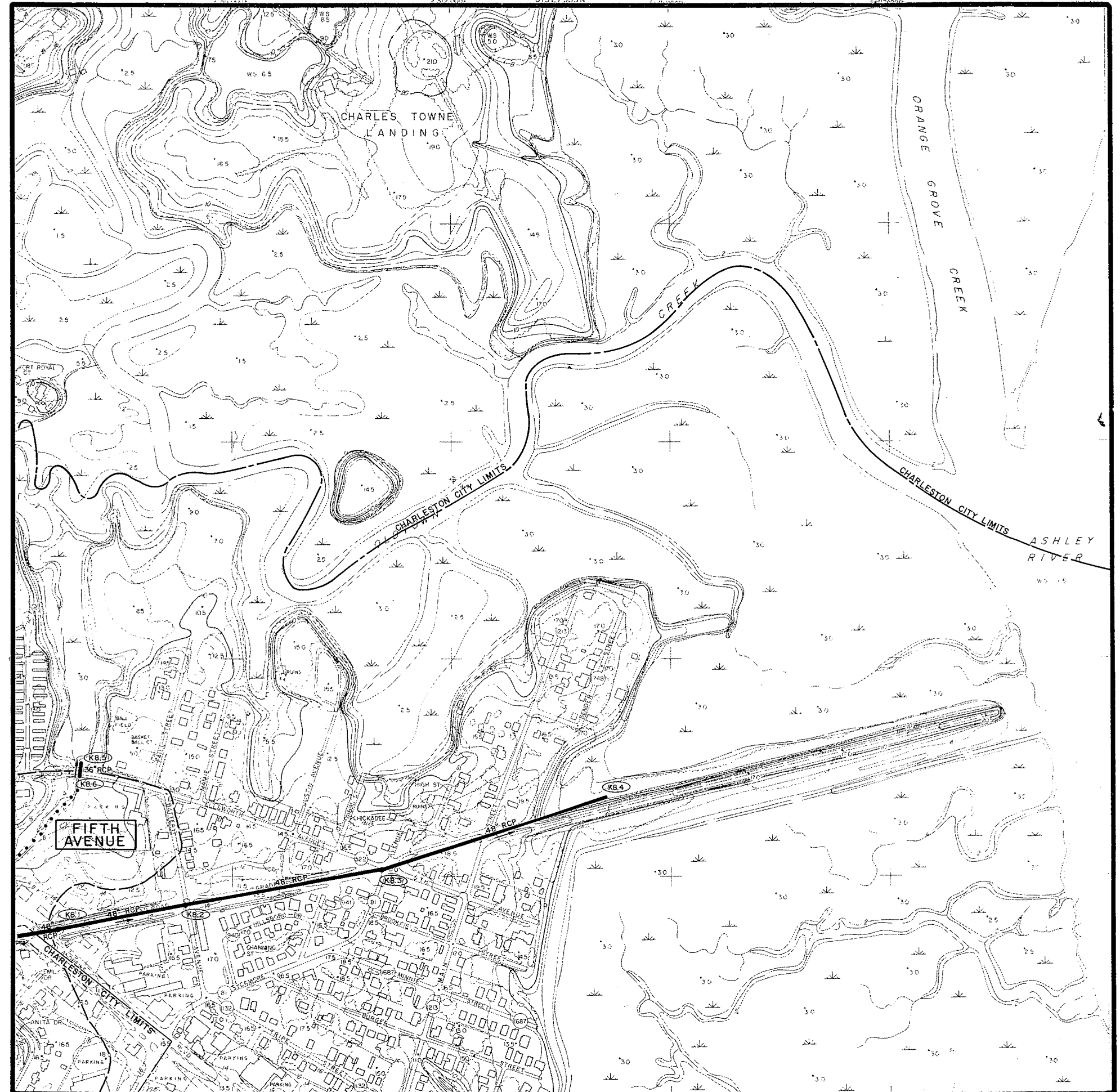
O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11	M10	M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
	K14	K13	K12	K11	K10	K9		
	J14	J13	J12	J11	J10	J9	J8	J7
				I11	I10	I9	I8	I7

N

LEGEND

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

GRAPHIC SCALE 500 0 500 1000 1500
FEET



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
K-9	1	36" RCP (N) 42" RCP (E) 42" RCP (S/E)	1.42 2.29 1.45	C
K-9	2	42" RCP	1.10	C
K-9	3	42" RCP (N) 42" RCP (W) 42" RCP (S)	0.88 2.18 1.48	C
K-9	4	42" RCP	1.34	C
K-9	5	72" RCP	-0.88	C
K-9	6	24" RCP (N) 15" RCP (W) 18" RCP (S)	4.98 7.41 7.46	C
K-9	7	36" RCP (N) 36" RCP (S)	2.58 2.58	C
K-9	8	42" RCP (S) 42" RCP (W)	3.23 3.19	C
K-9	9			CNO
K-9	10			PO
K-9	11			PO
K-9	12			PO
K-9	13	36" CMP (N) 36" CMP (S)	5.21 5.21	C
K-9	14	36" CMP (W) 36" CMP (S)	6.05 6.05	C
K-9	15	30" CMP (N) 36" CMP (S)	6.80 6.36	C
K-9	16	24" RCP (N) 30" CMP (S)	8.40 7.71	C
K-9	17	18" CMP (N) 24" RCP (S)	8.43 8.43	C
K-9	18	42" RCP (E-1) 42" RCP (E-2) 42" RCP (W-1) 42" RCP (W-2)	4.65 4.59 4.48 4.42	C
K-9	19	36" RCP (W) 42" RCP (E-1) 42" RCP (E-2) 18" RCP (S/W) 15" RCP (S)	5.19 5.39 5.39 7.94 7.94	C
K-9	20	36" RCP (S/E) 36" RCP (W) 18" CMP (E)	5.78 5.48 7.80	C
K-9	21	48" RCP (N) 48" RCP (S)	4.14 4.14	C
K-9	22	48" RCP (N) 48" RCP (S)	3.46 3.21	C
K-9	23	54" RCP (N) 54" RCP (S/E)	1.31 1.85	C
K-9	24	36" RCP (N) 36" RCP (S)	6.89 6.95	C
K-9	24.1	24" RCP	10.20	C
K-9	25	36" RCP (E) 36" RCP (W)	6.85 6.56	C
K-9	26	36" RCP (E) 36" RCP (W)	6.83 6.83	C
K-9	27	36" RCP	7.14	C
K-9	28	30" RCP	7.60	C
K-9	29	30" RCP	7.60	C
K-9	30	24" RCP 24" RCP	7.75 7.52	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
K-9	3A	36" RCP	3.72	C
K-9	4A	36" RCP	3.40	C
K-9	5A	3.5' x 4.0' BOX	2.70	C
K-9	6A	3.5' x 4.0' BOX 3.5' x 4.0' BOX	2.17 2.17	C
K-9	7A	3.5' x 4.0' BOX 3.5' x 4.0' BOX	2.88 2.88	C
K-9	8A	3.5' x 4.0' BOX	2.76	C
K-9	9A	Pump Station	-	
K-9	10A	30" RCP	9.94	C
K-9	11A	22" x 36" CMP	8.24	HFS
K-9	12A	22" x 36" CMP (N) 24" RCP (S) 15" RCP (E) 15" RCP (W)	8.45 8.33 9.06 9.23	HFS
K-9	13A	24" RCP (N) 18" x 29" CMP (S) 15" RCP (E) 15" RCP (W)	8.66 8.75 9.60 9.56	C
K-9	14A	18" x 29" CMP (N) 16" x 25" CMP (W)	9.98 9.98	C
K-9	15A	16" x 25" CMP	9.68	C
K-9	16A	30" CMP 30" CMP	7.48 7.40	C
K-9	18A	30" CMP 30" CMP	7.49 7.44	C
K-9	20A	24" RCP	8.63	C
K-9	21A		-	CNO
K-9	22A		-	CNO
K-9	23A	24" RCP	7.42	C
K-9	24A	24" RCP	8.17	C
K-9	25A	24" RCP	7.12	C
K-9	26A	36" RCP	7.57	C
K-9	27A	36" RCP	6.73	C
K-9	28A	24" RCP	7.53	C
K-9	29A	30" RCP	7.83	HFS
K-9	30A	30" RCP	8.14	HFS
K-9	31A	36" RCP (N) 36" RCP (S) 24" RCP (N/W)	8.72 9.38 9.98	FS HFS HFS
K-9	32A	36" RCP (N) 36" RCP (S) 18" RCP (E) 24" RCP (W)	8.33 8.54 9.86 9.96	C
K-9	33A	36" RCP (N) 36" RCP (S)	8.93 8.93	HFS
K-9	34A	36" RCP	8.90	HFS
K-9	35A	24" RCP (S/E) 24" RCP (W)	10.57 10.64	C
K-9	36A	24" RCP (E) 24" RCP (W)	11.61 11.62	C
K-9	37A	24" RCP (E) 18" RCP (W)	14.08 14.32	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
K-9	32	24" RCP 24" RCP	7.75 7.90	C
K-9	34	36" x 58" CMP	8.69	C
K-9	35	48" RCP (E) 36" x 58" CMP (W)	7.83 8.44	C
K-9	36	48" RCP (E) 48" RCP (W)	6.54 6.58	C
K-9	37	48" RCP (N) 48" RCP (W)	6.28 6.50	C
K-9	38	48" RCP (E) 48" RCP (S)	5.82 5.95	C
K-9	39	48" RCP (E) 48" RCP (W)	5.38 5.53	C
K-9	40	48" RCP (W) 48" RCP (S)	4.86 4.79	C
K-9	41	27" x 43" CMP (S) 36" RCP (E) 18" RCP (W)	7.43 6.56 7.49	C
K-9	42	27" x 43" CMP	7.72	C
K-9	43	24" RCP	10.54	C
K-9	44	24" RCP	10.88	C
K-9	45	18" RCP (N) 18" RCP (S)	5.72 5.72	C
K-9	46	36" RCP (N) 36" RCP (W)	5.96 6.16	C
K-9	47	24" RCP	5.89	C
K-9	48	24" RCP (N) 24" RCP (W)	5.92 5.98	C
K-9	49	24" RCP (N) 24" RCP (S)	4.33 6.18	C
K-9	50	24" RCP (E) 24" RCP (S)	4.33 4.59	C
K-9	51	36" RCP (S) 36" RCP (E)	4.27 4.27	C
K-9	52	48" RCP (E) 24" RCP (W) 36" RCP (W) 15" AIP (N) 15" RCP (S)	3.45 3.64 3.91 5.27 5.40	C
K-9	53	48" RCP	4.16	C
K-9	54	24" RCP	5.49	C
K-9	55	24" RCP	6.86	C
K-9	56	24" RCP	7.02	C
K-9	57	24" RCP (E) 18" RCP (W) 18" RCP (S)	4.84 7.72 7.09	C
K-9	58	18" RCP	4.02	HFS
K-9	59	24" RCP	2.77	C
K-9	60	24" RCP (N) 15" RCP (S) 15" RCP (E)	3.45 5.02 4.99	C
K-9	61	12" RCP	2.58	C
K-9	62	12" RCP	3.99	C
K-9	63	24" RCP	4.11	C
K-9	64	24" RCP	5.30	C
K-9	2A	48" RCP (E) 48" RCP (W)	8.59 8.53	C

MAP K9

existing drainage facilities
CITY OF CHARLESTON

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		K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9	I8	I7	



LEGEND

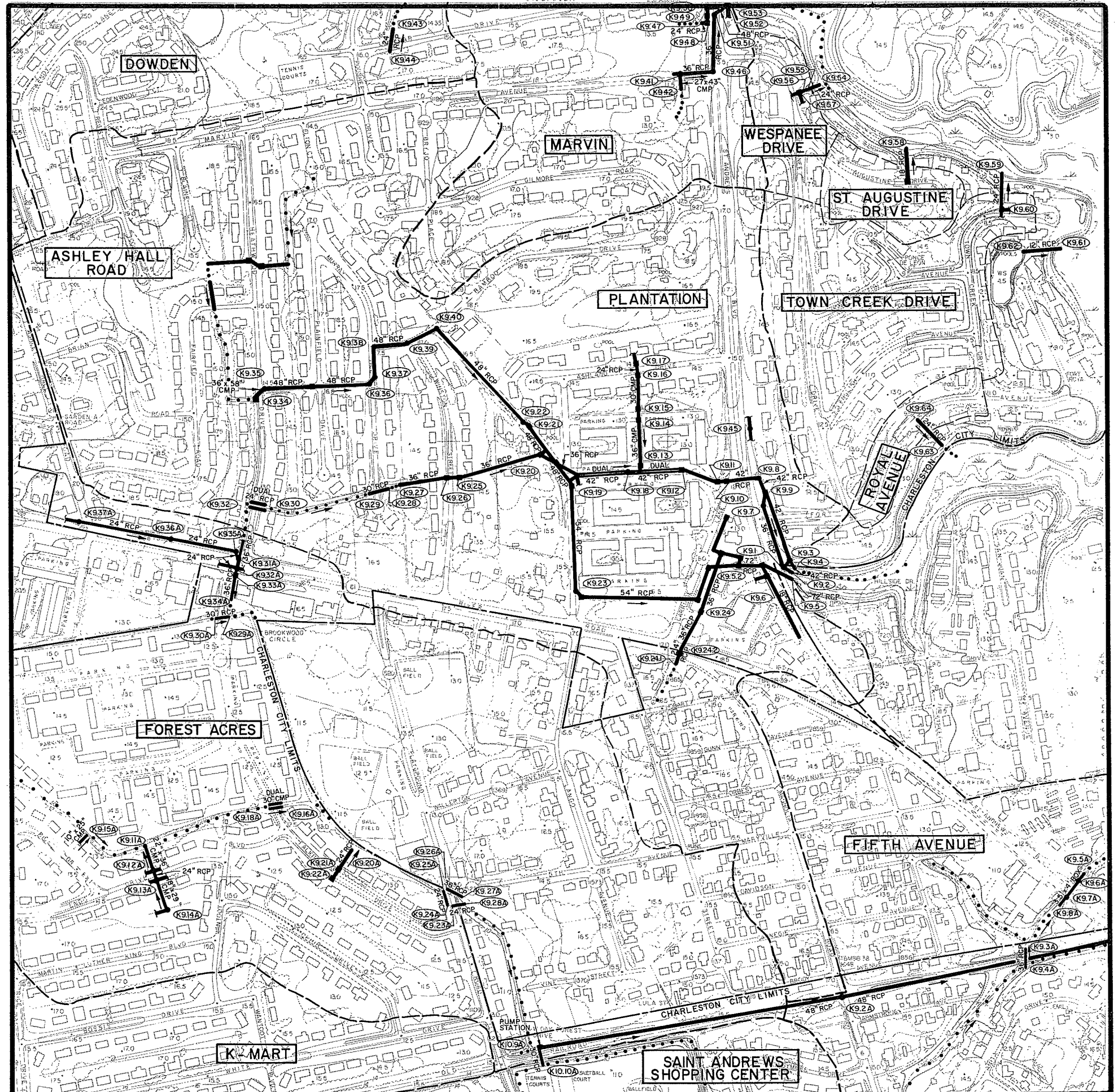
- | | |
|---|----------------------------|
|  | DRAINAGE PIPE |
|  | DRAINAGE CHANNEL |
|  | CHARLESTON CITY LIMITS |
|  | WATERSHED BOUNDARY |
|  | WATERSHED NAME |
|  | DETENTION BASIN |
|  | BRIDGE |
|  | MANHOLE IDENTIFICATION NO. |
|  | PUMPING STATION |

J5.13

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-10	1	24" RCP	9.28	C
K-10	2	24" RCP	9.64	C
K-10	3	18" RCP 18" RCP	8.78 8.87	C
K-10	5		-	CNO
K-10	6	24" RCP 24" RCP	8.65 8.63	C
K-10	8	24" RCP	8.70	C
K-10	9		-	CNO
K-10	10	24" RCP	9.29	C
K-10	11	18" RCP	9.13	C
K-10	12	18" RCP (N) 24" RCP (S)	11.78 11.78	C
K-10	13	24" RCP (N) 24" RCP (S)	10.99 10.97	C
K-10	14	24" RCP	9.90	C
K-10	15	18" RCP 24" RCP	15.01 15.01	C
K-10	16	24" RCP	9.91	C
K-10	17	18" RCP 18" RCP	9.08 9.12	C
K-10	19	18" RCP 18" RCP	9.17 9.11	C
K-10	21	24" RCP	9.56	C
K-10	22	24" RCP (E) 24" RCP (W)	9.22 9.35	C
K-10	23	18" RCP (N) 18" RCP (S) 24" RCP (E)	9.06 9.43 9.21	C

INVENTORY

MAP K10

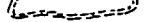
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

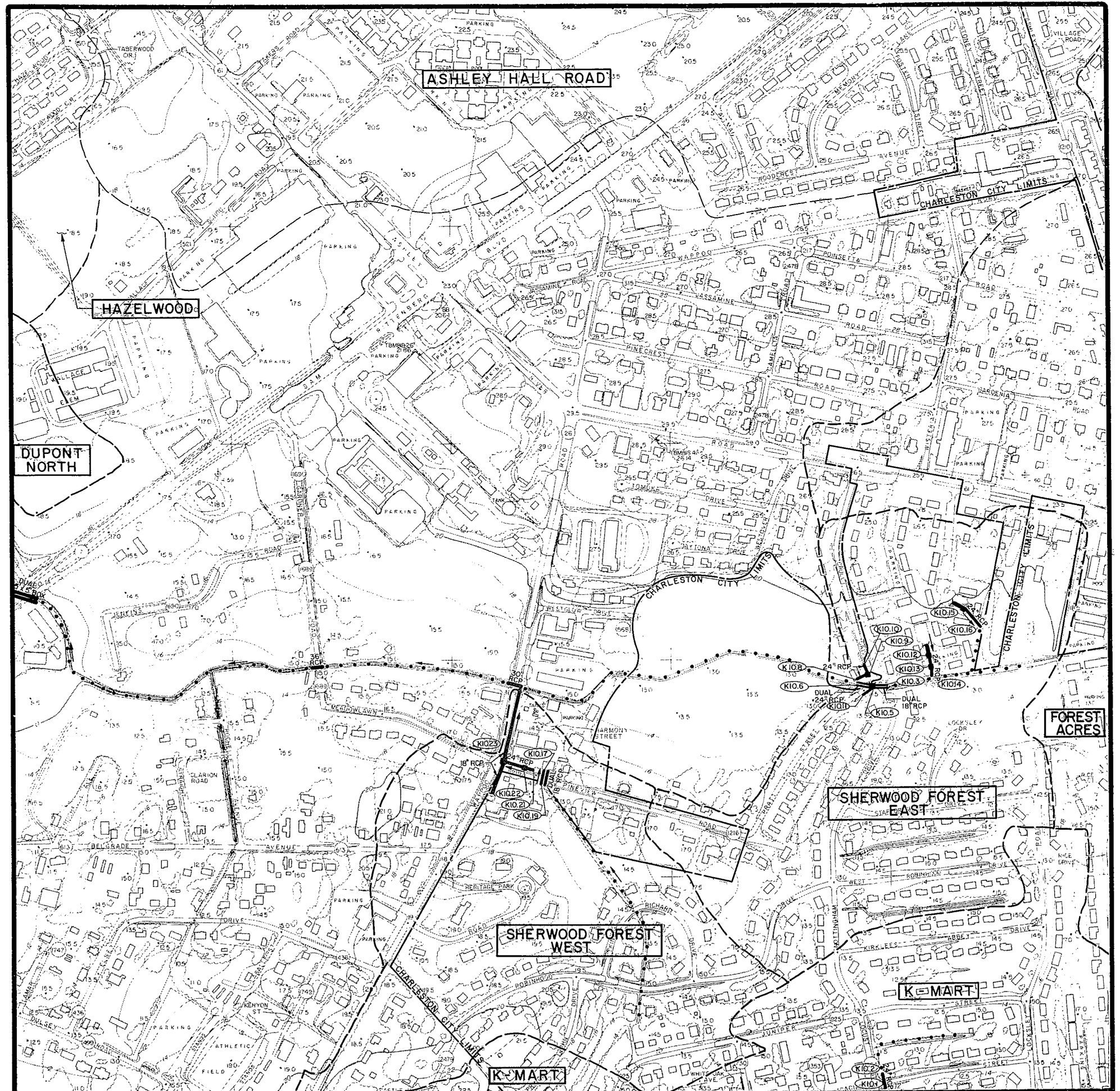
O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11	M10	M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
K14	K13	K12	K11			K9	K8	
J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9	I8	I7

N

LEGEND

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

GRAPHIC
SCALE



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																
K-11	1	18" RCP (N)	-	C	K-11	33	24" RCP (W)	4.67	C	K-11	66	24" RCP (N)	4.22	C																
		18" RCP (S)	-				18" x 29" CMP (N)	4.56				24" RCP (S)	3.62																	
		36" RCP (E)	5.25				K-11	34				24" RCP (N)	4.82		C	K-11	67	15" RCP (N)	5.50											
		36" RCP (W)	-															18" x 29" CMP (S)	4.82	24" RCP (S)	4.89									
K-11	2	36" RCP	9.06	HFS	K-11	35	24" RCP (E)	4.44	C	K-11	68	42" RCP (E)	3.77	C																
K-11	3	36" RCP (E)	5.37	C	K-11	36	24" RCP (S)	4.44	C	K-11	69	42" RCP (W)	3.69	C																
		42" RCP (N)	5.23	C			48" RCP (S)	3.50																						
		36" RCP (W#1)	5.27	C			K-11	70	BRIDGE			7.09	Top of bridge																	
		36" RCP (W#2)	5.26	FWT											0.91	Bottom of channel														
K-11	4	42" RCP	5.16	C	K-11	37	24" RCP (S)	5.40	C	K-11	71	BRIDGE	7.96	Top of bridge																
K-11	5		-	CNO	K-11	38	13" x 22" CMP (N)	5.38	C	K-11	72		1.11	Bottom of channel																
K-11	6		-	CNO	K-11	40	6' x 10' BOX	2.58	C	K-11	74	48" RCP	0.83	C																
K-11	7	36" RCP (E)	4.89	C	K-11	42	6' x 10' Box	2.60	C						42" RCP	0.96														
K-11	8	36" RCP (W)	4.83	CNO	K-11	43	24" RCP	7.94	C	K-11	75	48" RCP (N)	1.25	C																
		12" RCP (N)	-				24" RCP (S/E)	2.79	42" RCP (S)			1.60																		
		24" RCP (N)	-				24" RCP (N)	2.82	30" RCP (E)			1.18																		
K-11	9	24" RCP	5.47	C	K-11	44	36" RCP	2.60	C	K-11	76	42" RCP (N)	1.31	C																
K-11	10	42" RCP (S#1)	-	C	K-11	45	36" RCP (S/W)	2.46	C			42" RCP (S)	1.39																	
		42" RCP (S#2)	-	36" RCP (N)	2.41	18" RCP (W)	4.23																							
		30" RCP (W)	-	K-11	46	54" RCP	6.40	C	K-11	77	42" RCP (N)	1.13																		
		36" RCP (E#1)	-								42" RCP (S)	1.61																		
K-11	11	42" RCP	4.76	C	K 11	47	6' x 10' BOX	1.13	C	K-11	78	42" RCP (N)	1.20	C																
		42" RCP	4.93				6' x10' Box	1.10	HFS			42" RCP (S)	1.43																	
K-11	13	30" RCP	5.83	C	K-11	49	6' x 10' BOX	1.37	C	K-11	79	18" RCP (W)	3.94	C																
K-11	14	18" RCP	-	HFS			6' x 10' Box	1.34	HFS			42" RCP (N)	2.36																	
K-11	16	18" RCP	6.02	HFS	K-11	51	42" RCP	1.99	C	K-11	80	42" RCP (S)	2.26	C																
		18" RCP (E#1)	6.07		K-11	52	42" RCP (E)	1.68	C	K-11	81	42" RCP (N)	2.41																	
		18" RCP (E#2)	6.08												K-11	53	42" RCP (S/E)	1.95	C	K-11	82	42" RCP (S)	2.61							
		18" RCP (W#1)	6.13																					K-11	54	30" RCP (E)	2.67	C	K-11	83
18" RCP (W#2)	6.13	K-11	55	30" RCP (W)										2.72																
K-11	17				24" RCP (S)	6.50	HFS	K-11	56	30" RCP (E)	3.05	C	24" RCP (S)																	
					18" RCP (N)	9.13	C	K-11	57	30" RCP (W)	3.14	C	24" RCP (E)		2.65															
					18" RCP (E#1)	-	FWT	K-11	58	30" RCP (E)	3.35	C	K-11		85	18" RCP (N)	3.02													
		18" RCP (E#2)	-	FWT	K-11	59	24" RCP (W)	3.85	C	18" RCP (S)	2.91																			
K-11	18	24" RCP	8.84	C	K-11	60	24" RCP (E)	3.66	C	K-11	86	24" RCP (W)	2.83	C																
K-11	19	24" RCP	9.01	C	K-11	61	18" RCP (W)	3.71	C	K-11	87	24" RCP (N)	3.87																	
K-11	20	48" RCP	3.29	C	K-11	62	24" RCP (S)	2.99	C			15" RCP (S)	4.12																	
K-11	22	48" RCP	3.43	C	K-11	63	24" RCP (E)	4.56	C			18" RCP (E)	3.77																	
		48" RCP	3.35	C	K-11	64	18" RCP (W)	4.56	C			24" RCP (W)	3.94																	
K-11	24	24" RCP (N)	7.73	C	K-11	65	36" RCP (N)	2.80	C	K-11	88	24" RCP (E)	4.06	C																
		18" RCP (S)	7.72	36" RCP (S)	2.74	15" RCP (W)	4.02																							
		15" RCP (W)	7.78	30" RCP (N)	3.57	15" RCP (S)	5.21																							
K-11	25	24" RCP	7.95	C	K-11	66	36" RCP (S)	3.52	C	K-11	89	DUAL 6' x 12' BOXES	-1.53	C																
K-11	26	24" RCP	7.87	C	K-11	67	30" RCP (N)	4.07	C	K-11	90	DUAL 6' x 12' BOXES	0.03	C																
K-11	27	24" RCP	7.45	C	K-11	68	30" RCP (S)	3.97	C	K-11	91	60" RCP	0.69	C																
K-11	28	24" RCP	7.60	C	K-11	69	24" RCP (N)	4.69	C	K-11	92	3 - 8' x 10' BOXES	-0.77	C																
K-11	29	24" RCP	7.60	C	K-11	70	30" RCP (S)	4.61	C	K-11	93	3 - 8' x 10' BOXES	-1.63	C																
K-11	30	24" RCP	7.95	C	K-11	71	24" RCP (E)	4.37	C																					
K-11	31	24" RCP	7.95	C	K-11	72	24" RCP (S)	4.56	C	K-11	94	24" RCP (E)	4.06	C																
		36" RCP (N)	4.70	C	K-11	95	18" RCP (W)	4.56	C																					
		36" RCP (S)	4.70	K-11											96	18" RCP (N)	5.13	C												
		18" RCP (S/W)	5.30																K-11	97	24" RCP (S)	5.05	C							
15" RCP (N/E)	-	K-11	98	54" RCP (S)						2.57	C																			
K-11	32	36" RCP	4.44	C	K-11	99	24" RCP (N/E)	2.53	C	K-11	99	48" RCP (N/W)	2.64	C																
					K-11	100	48" RCP (N/W)	2.64	C																					

<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
K-12	1	8' x 8' BOX	-3.06	C

INVENTORY

MAP K12

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		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
- 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>
K-13	1	30" RCP 18" RCP 36" RCP	6.56 3.56 2.56	C
K-13	4	18" RCP 30" RCP 36" RCP	- 6.19 2.81	
K-13	7	18" RCP	-	C
K-13	8	18" RCP	-	C
K-13	9	24" RCP	7.75	C
K-13	10	24" RCP	7.97	C
K-13	11	30" RCP	5.22	C
K-13	12	30" RCP	5.26	C
K-13	13	36" RCP	4.18	C
K-13	14	36" RCP	4.97	C
K-13	15	18" RCP	6.35	C
K-13	16	18" RCP	6.20	C
K-13	17	24" RCP	4.34	C
K-13	18	24" RCP	3.92	C
K-13	19	24" RCP	2.26	C
K-13	20	24" RCP	2.19	C
K-13	21	8' x 8' BOX	-3.68	C
K-13	22	8' x 8' BOX	-3.78	C
K-13	23	24" RCP	4.41	C
K-13	24	24" RCP	4.32	C

INVENTORY

MAP K13

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		K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9	I8	I7	

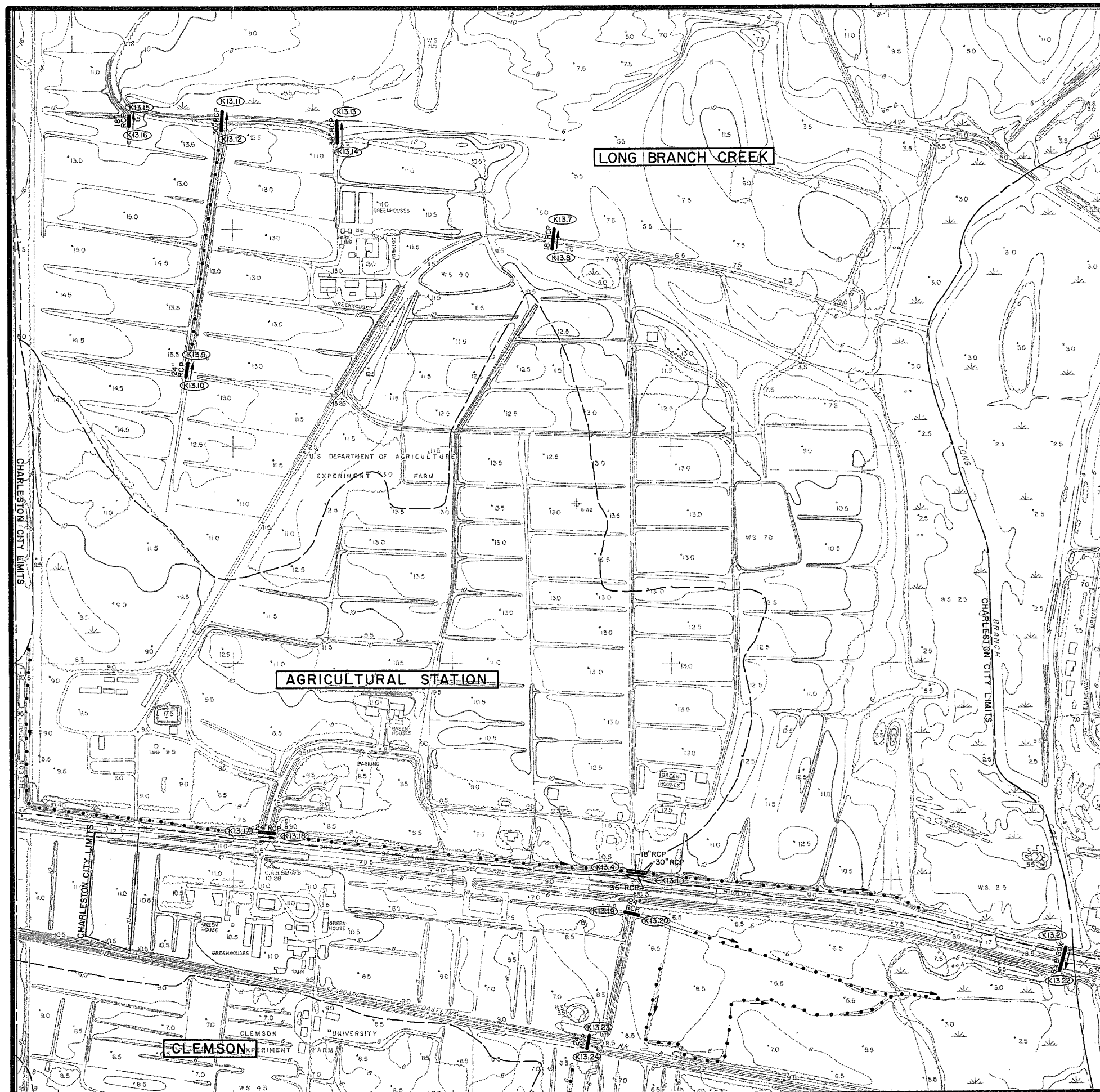
WEST OF THE ASHLEY

N

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



INVENTORY

MAP K14

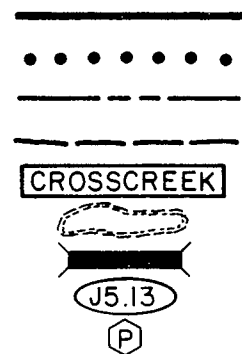
existing drainage facilities
CITY OF CHARLESTON

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				
		K13	K12	K11	K10	K9	K8				
J14	J13	J12	J11	J10	J9	J8	J7				

N

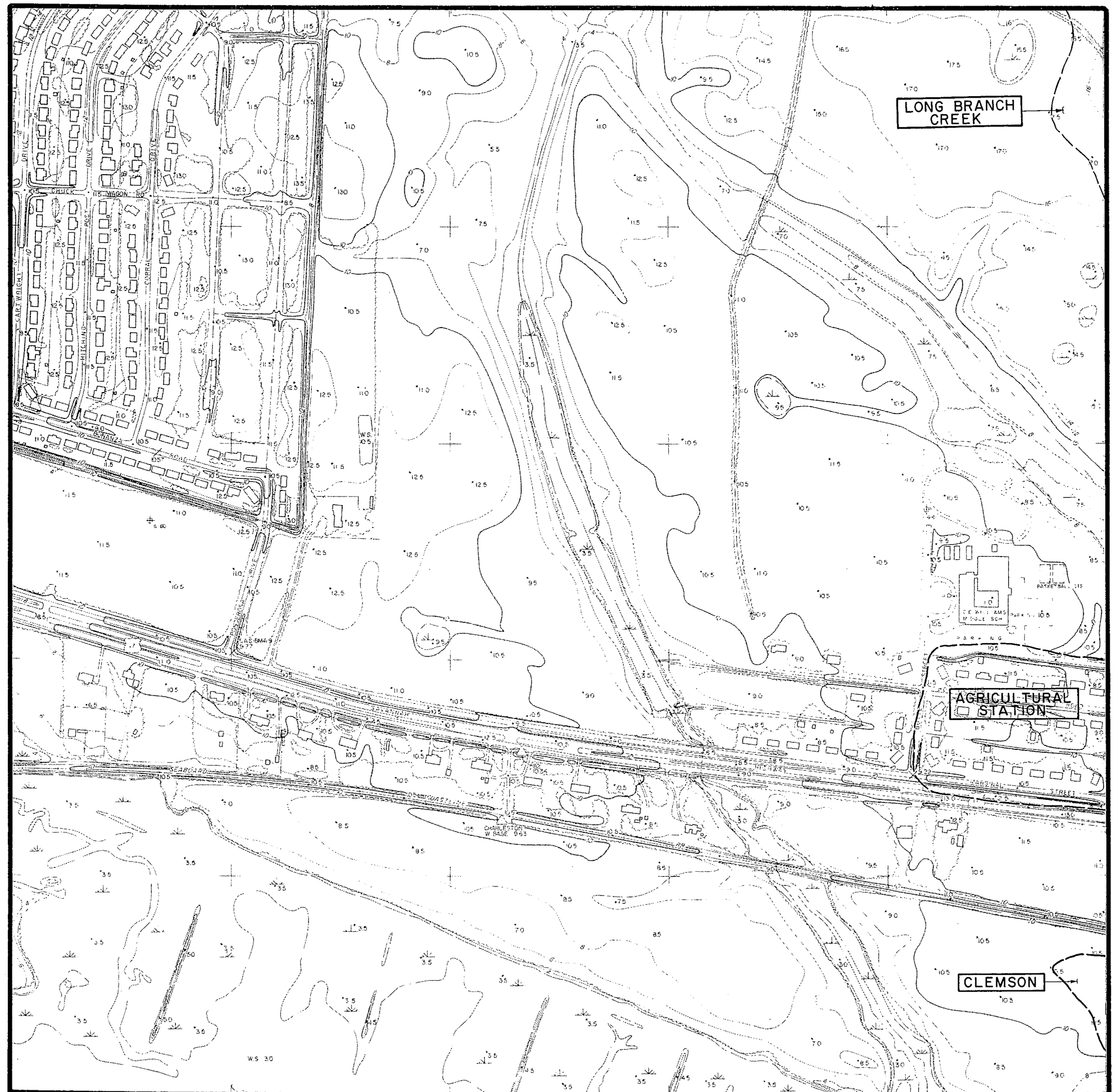
LEGEND



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>
L-8	1	24" RCP	6.11	C
L-8	2	15" RCP	6.62	C
L-8	3	18" RCP	4.94	C
L-8	4	36" RCP	2.16	C
L-8	5	24" RCP	2.92	HFS
L-8	6	24" RCP (N)	3.93	C
L-8	7	36" RCP (E) 36" RCP (S)	2.64 2.62	C
L-8	8	48" RCP 48" RCP	1.88 1.96	C
L-8	10	48" RCP 48" RCP	1.93 2.25	C
L-8	12	36" RCP (N) 36" RCP (S)	3.14 3.14	C
L-8	13	36" RCP (N) 36" RCP (S)	5.42 5.42	C
L-8	14	36" RCP (N) 36" RCP (S)	5.65 5.65	C
L-8	15	36" RCP (N) 36" RCP (S) 36" RCP (W)	6.92 7.05 7.04	C
L-8	16	36" RCP (S)	7.19	HFS
L-8	17	36" RCP (E) 36" RCP (S)	9.89 9.83	C
L-8	18	36" RCP	10.06	C
L-8	19	24" RCP	12.62	C
L-8	20	24" RCP (N) 18" RCP (S) 24" RCP (E)	12.26 12.23 12.46	C
L-8	21	24" RCP (N) 24" RCP (S)	13.50 13.50	C
L-8	22	24" RCP (N) 24" RCP (S)	13.93 13.93	C

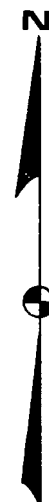
<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
L-8	23	24" RCP	13.95	C
L-8	24	24" RCP	12.95	C
L-8	25	24" RCP	12.94	C
L-8	26	24" RCP	13.31	C
L-8	27	24" RCP	13.53	C
L-8	28	24" RCP	14.53	C
L-8	29	24" RCP	13.99	C
L-8	30	24" RCP	14.12	C
L-8	31	18" RCP (E) 18" RCP (W)	13.92 13.99	C
L-8	32	24" RCP	14.06	C
L-8	33	24" RCP	14.19	C
L-8	34	24" RCP	14.29	C
L-8	35	24" RCP	14.56	C
L-8	36	18" RCP	8.07	C
L-8	37	30" RCP	3.71	C
L-8	38	30" RCP	2.66	C
L-8	39	36" RCP	1.63	C
L-8	40	36" RCP (N) 30" RCP (S)	2.56 2.92	C
L-8	41	30" RCP (N) 24" RCP (S) 15" RCP (E) 15" RCP (W)	4.59 4.51 6.55 6.82	C
L-8	42	24" RCP (N) 24" RCP (S) 15" RCP (W)	4.53 4.48 5.73	C
L-8	43	24" RCP (N) 18" RCP (W)	6.77 6.62	C
L-8	44	15" RCP	3.49	C
L-8	45	15" RCP	3.82	C

MAP L8

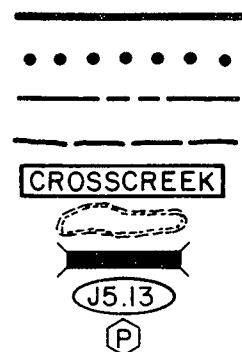
MAP L8

existing drainage facilities
CITY OF CHARLESTON

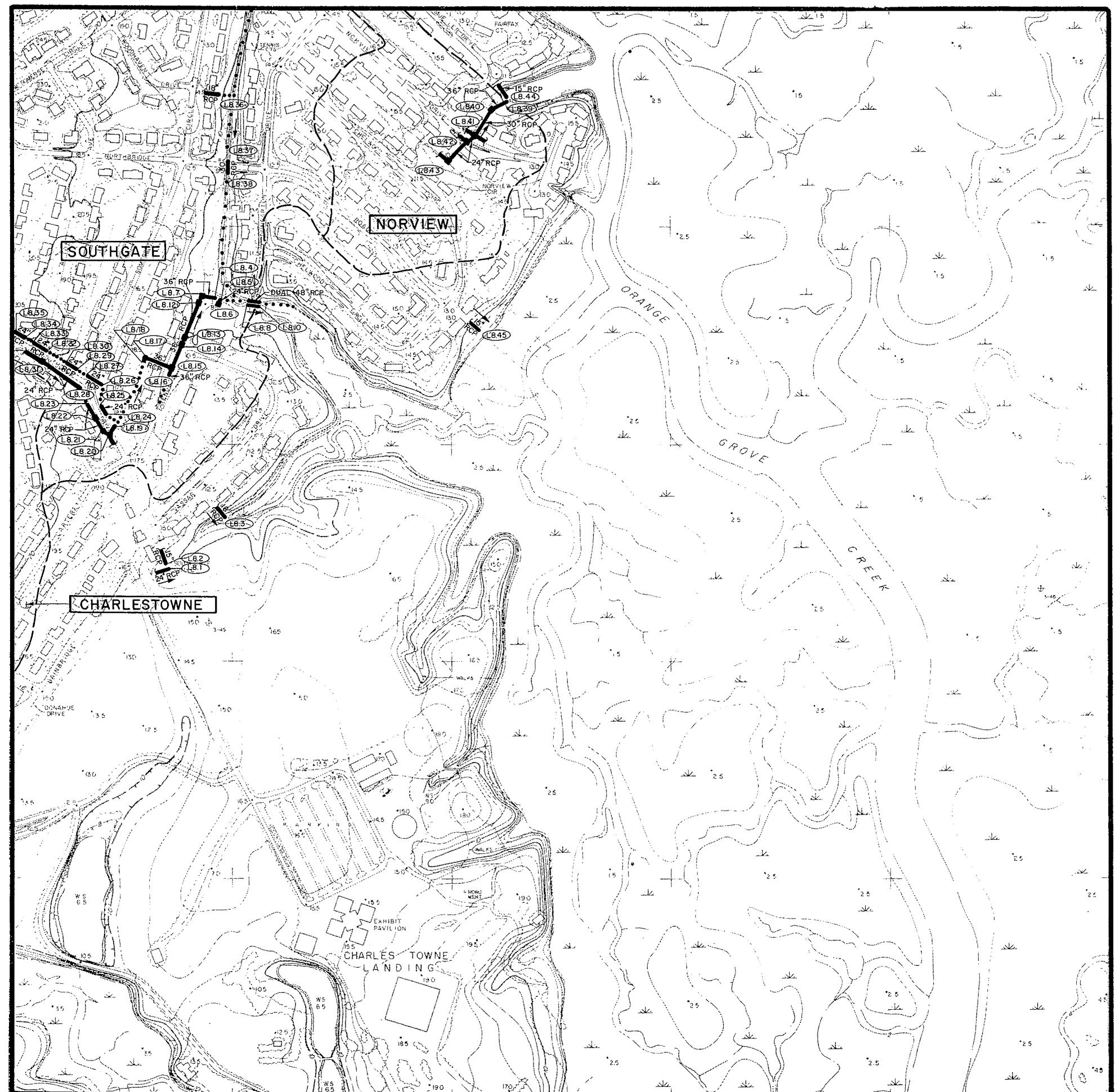
WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9			
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9	I8	I7	



LEGEND



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



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
L-9	1	24" RCP	14.50	C
L-9	2	24" RCP	14.80	C
L-9	3	24" RCP	15.20	C
L-9	4	24" RCP	15.03	C
L-9	5	24" RCP	15.06	C
L-9	6	24" RCP	15.18	C
L-9	7	24" RCP	15.10	C
L-9	8	24" RCP	15.30	C
L-9	9	40" x 65" CMP	5.00	C
L-9	10	24" RCP (N/W) 18" RCP (N-1) 18" RCP (N-2) 18" RCP (E) 24" RCP (W) 40" x 65" CMP (S)	7.38 8.06 8.26 8.56 6.51 6.53	C
L-9	11	15" RCP (N) 24" RCP (W) 24" RCP (S/E) 24" RCP (S)	7.77 6.92 7.58 6.70	C
L-9	12	24" RCP	7.08	C
L-9	13	24" RCP (N) 24" RCP (S)	6.71 6.49	C
L-9	14			CNO
L-9	15	36" CMP	-	C
L-9	16	36" CMP (N) 36" CMP (S)	0.76 0.76	C
L-9	17	36" CMP	0.78	C
L-9	18	18" RCP	5.55	C
L-9	19	18" RCP (N) 18" RCP (S)	4.45 4.45	C
L-9	20	18" RCP	4.06	C
L-9	21	42" RCP 42" RCP 48" RCP 30" RCP 30" RCP	0.77 1.97 - 0.5 0.54	C C C HFS HFS
L-9	26	42" RCP (E) 42" RCP (E) 36" RCP (N) 30" RCP (E) 30" RCP (E)	2.74 2.74 3.05 - -	C
L-9	27	5' x 26' BOX	2.74	C
L-9	28	36" RCP (N) 36" RCP (S) 48" RCP (E)	3.12 3.06 1.86	C
L-9	29	27" x 43" CMP 24" RCP	8.84 8.67	C
L-9	30	27" x 43" CMP 24" RCP	9.23 8.98	C
L-9	33	27" x 43" CMP 24" RCP	7.08 7.04	C
L-9	34	27" x 43" CMP 24" RCP	8.12 7.60	C
L-9	37			CNO
L-9	38			CNO

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
L-9	39	18" x 29" (S/E) 18" RCP (N) 18" RCP (W)	13.10 13.31 13.26	C
L-9	40	24" CMP (W) 12" RCP (S/E)	14.72 15.76	C
L-9	41	24" CMP (E) 27" CMP (S)	14.08 14.28	C
L-9	42	27" CMP (N) 30" CMP (S) 12" RCP (E)	13.94 13.69 15.23	C
L-9	43	30" CMP (N) 36" CMP (E)	13.06 12.90	C
L-9	44	36" CMP (N/W) 36" CMP (S/E)	12.75 12.55	C
L-9	45	36" CMP (W) 36" CMP (E)	12.01 11.72	C
L-9	46	36" CMP (E) 36" CMP (W)	11.13 11.18	C
L-9	47	36" CMP (N) 36" RCP (E) 36" RCP (S)	8.89 8.89 8.89	C
L-9	48	36" RCP	8.85	C
L-9	49	36" RCP	8.55	C
L-9	50	22" x 36" CMP 27" x 43" CMP	6.68 6.90	C
L-9	52	22" x 36" CMP (N) 27" x 43" CMP (N) 48" CMP (S) 12" RCP (E) 12" RCP (W)	5.55 5.55 5.55 - -	C
L-9	53	48" CMP	5.60	C
L-9	54	24" RCP	13.23	C
L-9	55			CNO
L-9	56	24" RCP	12.26	C
L-9	57	24" RCP	14.14	C
L-9	58	15" RCP (N) 15" RCP (S) 24" RCP (E)	14.50 14.35 14.57	C
L-9	59	24" RCP (E) 24" RCP (W)	20.41 20.28	C
L-9	60	24" RCP (E) 24" RCP (W)	20.22 20.15	C
L-9	61	18" RCP (W) 12" RCP (E)	21.63 21.63	C
L-9	62	18" RCP	15.56	C
L-9	63	36" RCP	18.12	C
L-9	64	36" RCP (N) 36" RCP (S) 12" RCP (W)	18.06 18.16 20.64	C
L-9	65	36" RCP (N) 36" RCP (S) 12" RCP (E) 12" RCP (W)	17.75 17.61 18.83 20.00	C
L-9	66	36" RCP (N) 36" RCP (S)	18.11 18.11	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
L-9	67	24" RCP (E) 24" RCP (S)	20.27 20.28	C
L-9	68	24" RCP (W) 24" RCP (S)	20.47 20.39	C
L-9	69	24" RCP (N) 24" RCP (W)	20.63 20.56	C
L-9	70	24" RCP	20.30	C
L-9	71	24" RCP	19.70	C
L-9	72	12" RCP (N) 12" RCP (S) 24" RCP (E)	21.13 21.59 20.69	C
L-9	73	24" RCP	14.36	C
L-9	74	18" RCP	13.88	C
L-9	75	24" RCP (N) 24" RCP (S) 15" RCP (W) 18" RCP (N)	16.90 - 14.43 14.43	C
L-9	76	18" RCP (N) 18" RCP (S) 15" RCP (E)	16.20 16.20 16.20	C
L-9	77	24" RCP	16.72	C
L-9	78	18" RCP	16.14	C
L-9	79	18" RCP	11.78	C
L-9	80	18" x 29" CMP	17.90	C
L-9	81	18" x 29" CMP	18.18	C
L-9	84	24" RCP (E) 24" RCP (W)	8.84 8.84	C
L-9	85	24" RCP (E) 30" CMP (N) 18" RCP (S)	8.26 8.13 8.14	C
L-9	86	30" CMP	6.36	C
L-9	88	24" RCP (N)	8.05	C
L-9	89	24" RCP (E) 18" RCP (W) 18" RCP (S)	7.85 8.23 8.16	C
L-9	91	36" CMP	7.16	C
L-9	92	36" RCP (N/W) 36" CMP (E) 24" RCP (W)	7.03 7.03 7.05	C
L-9	93	18" RCP (E) 15" RCP (W)	8.19 8.64	C
L-9	94			CNO
L-9	95			CNO
L-9	96	42" RCP	5.86	C
L-9	97	24" RCP	9.02	C
L-9	98	24" RCP 24" RCP	9.06 9.16	C
L-9	100	18" RCP	-	C

INVENTORY	MAP L9
existing drainage facilities CITY OF CHARLESTON	

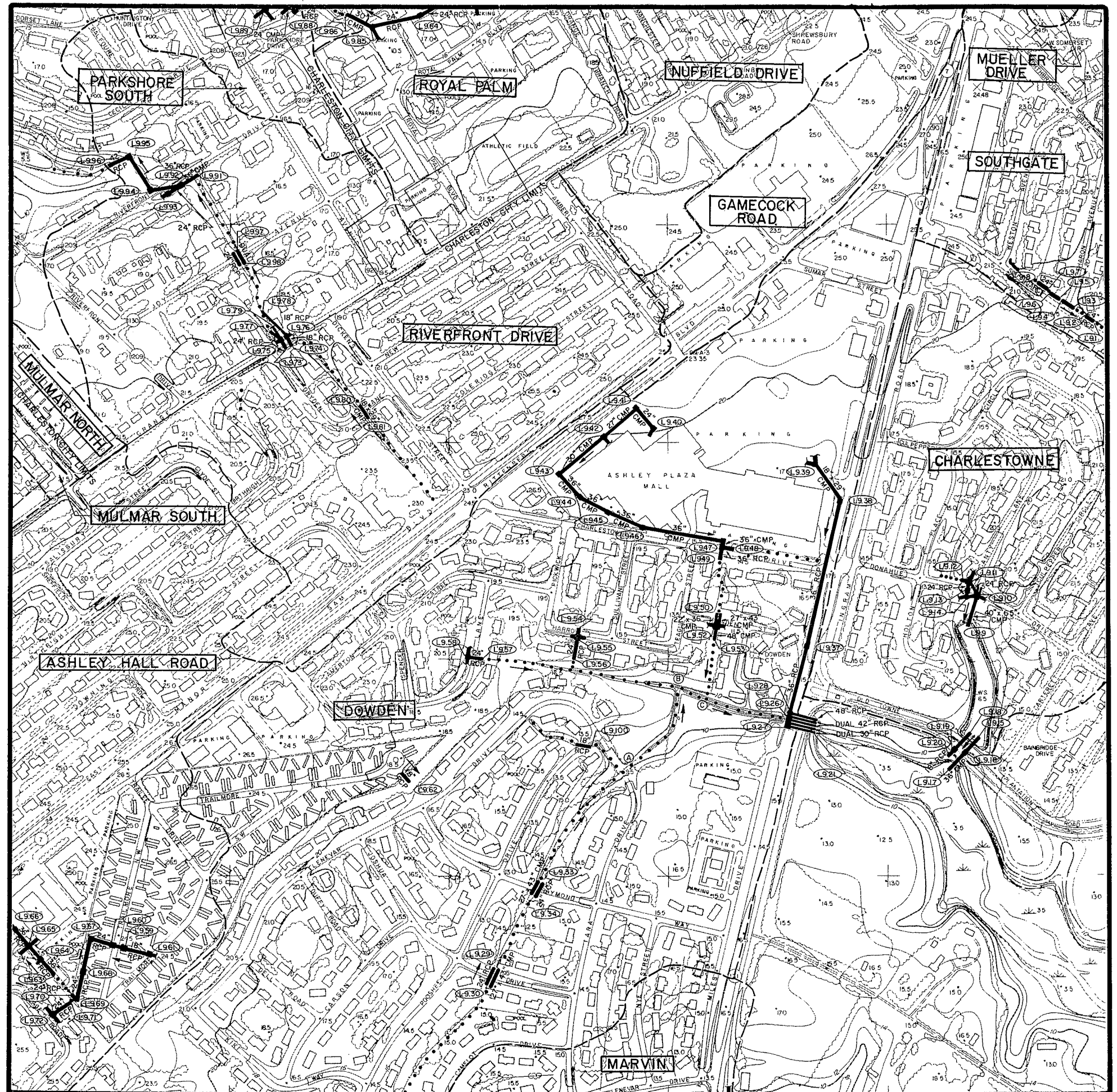
existing drainage facilities
CITY OF CHARLESTON

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		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
	WATERSHED NAME
	DETENTION BASIN
	BRIDGE
	MANHOLE IDENTIFICATION NO.
	PUMPING STATION



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
L-10	1	24" RCP	10.92	C	L-10	35	24" RCP (N)	12.53	C	L-10	69	24" RCP	5.87	C
L-10	2	24" RCP	12.47	C	L-10	36	24" RCP (N) 24" RCP (S)	12.40 12.40	C	L-10	70	24" RCP	2.74	C
L-10	3	24" RCP	12.21	C	L-10	37	24" RCP (N) 24" RCP (S)	11.68 11.70	C	L-10	71	18" RCP (N) 24" RCP (S)	4.16 3.36	C
L-10	4	24" RCP	11.14	C	L-10	38	24" RCP	10.66	C	L-10	72	24" RCP	3.15	C
L-10	5	24" RCP	10.85	C	L-10	39	60" RCP (N) 54" RCP (S) 18" RCP (W)	5.08 5.09 5.62	C	L-10	73	24" RCP	3.33	C
L-10	6	24" RCP (N) 24" RCP (S)	10.28 10.28	C	L-10	40	15" RCP (N) 27" x 43" CMP (S) 31" x 50" CMP (W)	5.55 5.96 5.54	C	L-10	74	24" RCP	2.93	C
L-10	7	24" RCP	9.59	C	L-10	41	27" x 43" CMP	5.61	C	L-10	75	24" RCP	3.44	C
L-10	8	24" RCP	8.99	C	L-10	42	31" x 50" CMP (E) 31" x 50" CMP (W)	4.27 4.45	HFS	L-10	76	60" RCP (W) 60" RCP (E)	0.69 0.76	C
L-10	9	24" RCP	8.44	C	L-10	43	49" x 65" CMP (N) 24" RCP (S) 31" x 50" CMP (E) 40" x 65" CMP (W)	3.66 4.40 4.38 3.66	C	L-10	77	60" RCP (W) 60" RCP (S)	0.86 0.86	C
L-10	10	12" RCP (N) 12" RCP (S) 24" RCP (W)	11.49 11.42 10.93	C	L-10	44	40" x 65" CMP (N) 40" x 65" CMP (S)	2.96 3.00	C	L-10	78	60" RCP (N) 60" RCP (E)	0.62 0.77	C
L-10	11	18" RCP (N) 18" RCP (S) 24" RCP (E) 30" RCP (W)	11.21 11.11 10.88 10.75	C	L-10	45	40" x 65" CMP	2.79	C	L-10	79	60" RCP	0.21	C
L-10	12	30" RCP (E) 30" RCP (N/W)	9.32 9.59	C	L-10	46	40" x 65" CMP (E) 40" x 65" CMP (S)	5.18 5.33	C	L-10	80	22" x 36" CMP	5.00	C
L-10	13	30" RCP	9.21	C	L-10	47	40" x 65" CMP	5.85	C	L-10	81	22" x 36" CMP (N) 22" x 36" CMP (S)	6.64 6.54	C
L-10	14	24" RCP	9.61	C	L-10	48	24" RCP (N/W) 15" RCP (E)	6.07 6.03	C	L-10	82	22" x 36" CMP (N) 22" x 36" CMP (W)	6.70 6.83	C
L-10	15	24" RCP	9.34	C	L-10	49			CNO	L-10	83	22" x 36" CMP (E) 24" RCP (S)	7.23 7.37	C
L-10	16	15" RCP (N) 24" RCP (E) 24" RCP (W)	9.64 9.51 9.41	C	L-10	50			CNO	L-10	84	24" RCP (N) 24" RCP (E)	7.77 7.84	C
L-10	17			CNO	L-10	51			CNO	L-10	85	24" RCP (W) 24" RCP (S)	7.82 7.82	C
L-10	18	48" RCP	8.77	C	L-10	52	60" RCP (N) 60" RCP (S) 24" RCP (W)	2.37 2.66 3.46	C	L-10	86	24" RCP (N) 24" RCP (S)	8.41 8.46	C
L-10	19	30" RCP	7.39	C	L-10	53			CNO	L-10	87	24" RCP (N)	8.39	C
L-10	20	48" RCP	10.77	C	L-10	54	60" RCP (N) 60" RCP (S)	0.63 0.63	C	L-10	88	22" x 36" CMP	4.75	C
L-10	21	48" RCP (N) 48" RCP (S) 30" RCP (W)	10.66 10.66 11.41	C	L-10	55	60" RCP	0.59	C	L-10	89	22" x 36" CMP (N) 22" x 36" CMP (S)	6.14 6.14	C
L-10	22	48" RCP	10.52	C	L-10	56	60" RCP	0.88	C	L-10	90	22" x 36" CMP (N)	6.16	C
L-10	23	48" RCP	13.13	C	L-10	57	60" RCP	0.53	C	L-10	91	18" RCP	5.11	C
L-10	24	48" RCP (N) 48" RCP (S)	13.22 13.30	C	L-10	58	36" RCP 36" RCP 36" RCP	-0.23 1.73 -0.12	C	L-10	92	18" x 29" CMP	5.26	C
L-10	25	48" RCP (N) 48" RCP (S)	13.58 13.55	C	L-10	61	36" RCP 36" RCP 36" RCP	-0.74 1.50 -0.24	C	L-10	93	18" x 29" CMP (N) 13" x 22" CMP (W-1) 13" x 22" CMP (W-2)	5.80 5.75 5.80	C
L-10	26	42" RCP (E) 42" RCP (W)	14.53 14.43	C	L-10	64	36" RCP	0.67	C	L-10	94	13" x 22" CMP (E-1) 13" x 22" CMP (E-2) 13" x 22" CMP (S-1) 13" x 22" CMP (S-2)	6.03 5.85 6.18 5.96	C
L-10	27	18" RCP (E) 42" RCP (W) 36" RCP (S)	17.76 15.97 16.32	C	L-10	65	36" RCP	0.67	C	L-10	95	13" x 22" CMP (N-1) 13" x 22" CMP (N-2)	6.24 6.04	C
L-10	28			CNO	L-10	66	30" RCP	3.99	C	L-10	96	18" x 29" CMP	4.93	C
L-10	29	36" RCP (N) 36" RCP (S)	17.89 17.92	C	L-10	67	30" RCP	4.16	C	L-10	97	18" RCP (N) 18" RCP (S) 18" x 29" CMP (E) 22" x 36" CMP (W)	- - - -	CNO
L-10	30	54" RCP (N) 54" RCP (S)	6.93 6.98	C	L-10	68	24" RCP	4.52	C	L-10	98	22" x 36" CMP	-	Could not find outlet end
L-10	31	18" CMP (S-1) 18" CMP (S-2)	11.05 11.16	C						L-10	99	30" RCP (N) 24" RCP (S)	16.19 18.10	C
L-10	32	18" CMP (N) 18" CMP (N) 18" x 29" CMP (S-1) 18" CMP (S-2)	10.97 10.97 10.79 10.82	C						L-10	100	24" RCP	20.24	C
L-10	33	18" CMP 18" x 29" CMP	10.97 10.84	C						L-10	101			CNO

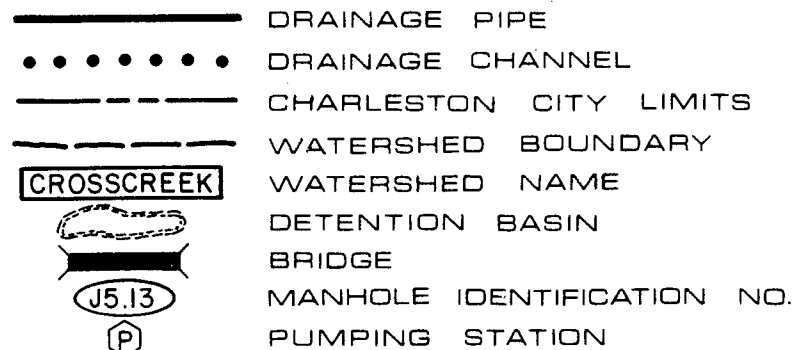
MAP L10

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			L9	L8	
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
				I11	I10	I9	I8	I7	



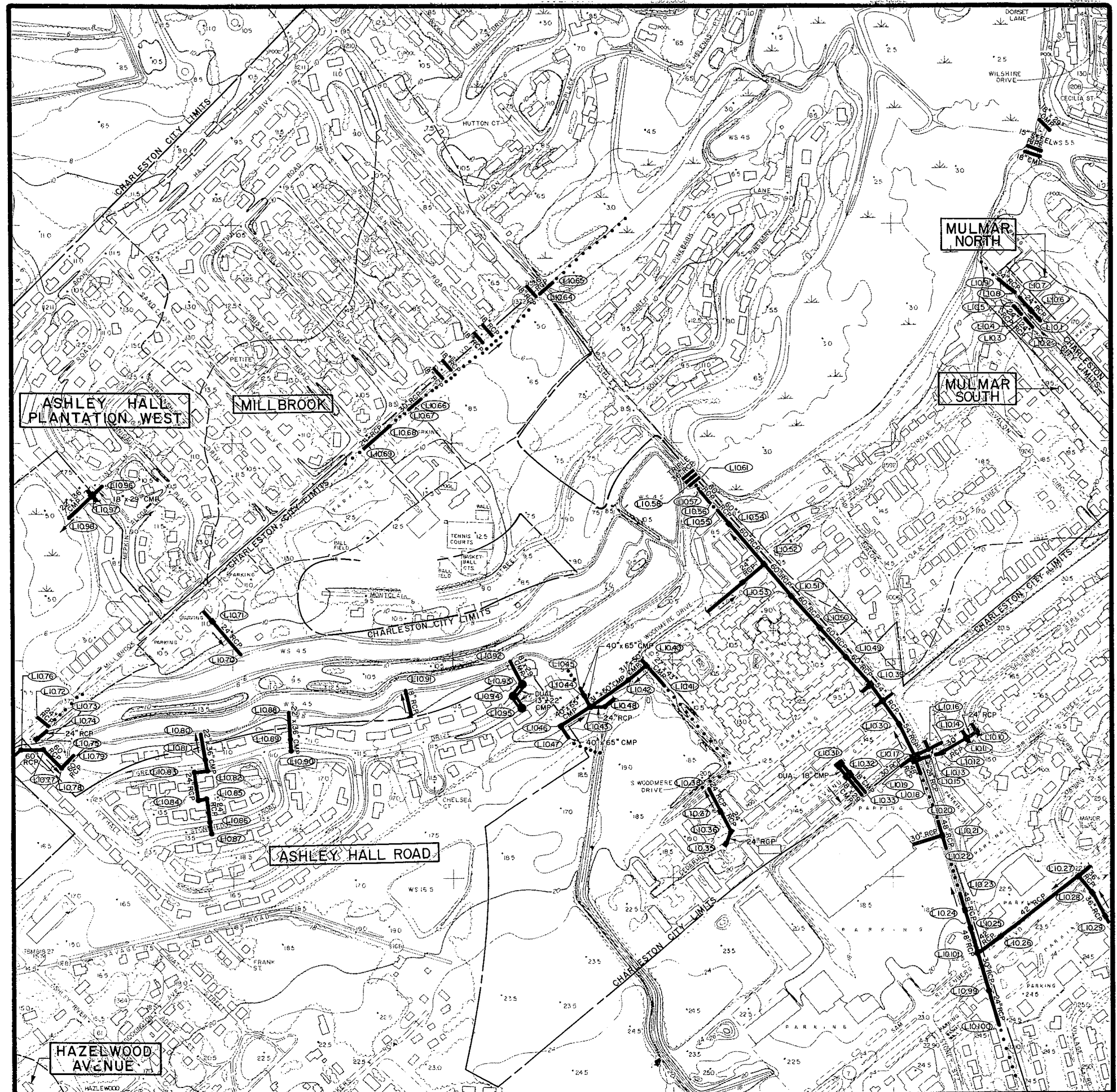
LEGEND



GRAPHIC SCALE

500 0 500 1000 1500

FEET



SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
L-11	1	42" RCP	0.07	C
L-11	2	42" RCP	-0.40	C
L-11	3	48" CMP	1.23	C
L-11	4	48" CMP (N) 48" CMP (S)	1.16 1.16	C
L-11	5	48" CMP	0.97	C
L-11	6	36" RCP	2.33	C
L-11	7	36" RCP (E) 36" RCP (W)	2.29 2.29	C
L-11	8	36" RCP	1.97	C
L-11	9	30" RCP	2.48	C
L-11	10	24" RCP (E) 30" RCP (W) 18" RCP (S)	2.91 2.47 3.01	C
L-11	11	24" RCP (N) 24" RCP (S)	3.81 3.81	C
L-11	12	24" RCP	4.31	C
L-11	13	24" RCP	2.84	C
L-11	14	24" RCP (N) 18" RCP (S) 24" RCP (W)	2.78 2.88 2.54	C
L-11	15	24" RCP (W) 18" RCP (N) 24" RCP (E)	2.82 3.00 2.50	C
L-11	16	24" RCP (E) 24" RCP (W)	1.34 1.34	C
L-11	17	24" RCP (W) 24" RCP (E)	1.24 1.14	C
L-11	18	24" RCP	0.53	C
L-11	19	36" RCP	0.86	FS
L-11	20	36" RCP	0.57	C
L-11	21	18" x 29" CMP	4.97	C
L-11	22		-	PO
L-11	23	36" RCP	3.73	C
L-11	24	22" x 36" CMP (E) 13" x 22" CMP (S)	4.28 4.30	C
L-11	25	22" x 36" CMP (E) 22" x 36" CMP (W) 18" RCP (S)	4.02 4.05 4.16	C
L-11	26	22" x 36" CMP (W) 24" RCP (E)	3.76 3.70	C
L-11	27	24" RCP (N) 24" RCP (W)	3.33 3.33	C
L-11	28	15" CMP	4.11	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
L-11	29	24" CMP (E) 15" RCP (W) 15" RCP (S/W)	4.05 4.58 4.95	C
L-11	30	24" CMP	3.63	C
L-11	31	12" CMP	3.81	C
L-11	32	15" CMP	9.09	C
L-11	33	24" CMP	2.10	C
L-11	34	24" CMP (E) 24" RCP (W)	2.90 2.93	C
L-11	35	24" RCP (E) 24" CMP (W)	2.97 2.94	C
L-11	36	24" CMP (E) 18" CMP (W)	3.81 3.81	C
L-11	37	18" RCP (E) 24" CMP (W)	3.13 3.11	C
L-11	38	24" CMP (E) 27" x 43" CMP (W) 27" x 43" CMP (S)	2.58 2.63 2.79	C
L-11	39	27" x 43" CMP	2.97	C
L-11	40	27" x 43" CMP	2.29	C
L-11	41	36" RCP	1.91	C
L-11	42	36" RCP	1.79	C
L-11	43	36" RCP	3.04	C
L-11	44		-	CNO
L-11	45	30" RCP	2.77	C
L-11	46	60" RCP (N) 60" RCP (S)	1.18 1.18	C
L-11	47	60" RCP (N) 60" RCP (S)	2.12 2.57	C
L-11	48	60" RCP (N) 60" RCP (S) 24" RCP (E)	3.86 4.21 6.63	C
L-11	49	60" RCP (N) 60" RCP (S)	5.24 6.08	C
L-11	50	30" RCP (E) 60" RCP (W) 60" RCP (S/E)	6.72 6.47 6.62	C
L-11	51	30" RCP (E) 30" RCP (W)	8.12 7.69	C
L-11	52	24" RCP (E) 30" RCP (W)	8.62 8.35	C

<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
L-12	1	27" x 43" CMP (N)	2.66	C
		13" x 22" CMP (S)	4.62	
		21" CMP (W #1)	2.80	
		21" CMP (W #2)	2.79	
		21" CMP (W #3)	2.90	
L-12	2	21" CMP (E #1)	2.57	C
		21" CMP (E #2)	2.57	
		21" CMP (E #3)	2.57	
		21" CMP (W #1)	2.57	
		21" CMP (W #2)	2.57	
		21" CMP (W #3)	2.57	
L-12	3	21" CMP (E #1)	2.42	C
		21" CMP (E #2)	2.42	
		21" CMP (E #3)	2.42	
		27" x 43" CMP (W)	2.42	
L-12	4	27" x 43" CMP	1.96	C

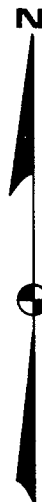
INVENTORY

MAP L12

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

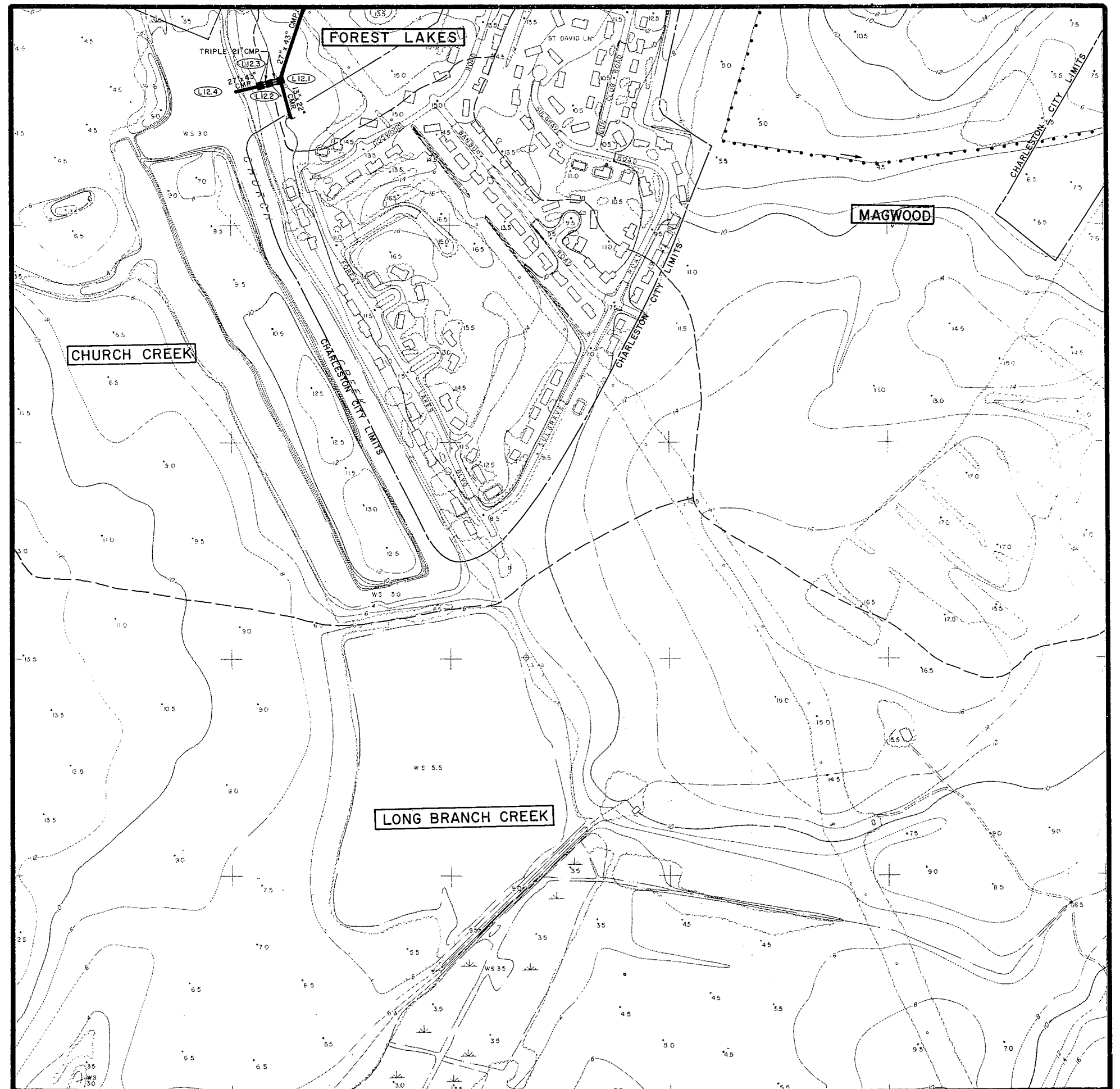
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13		L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
				I11	I10	I9	I8
							I7



LEGEND

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

GRAPHIC SCALE 500 0 500 1000 1500
FEET



INVENTORY

MAP L13

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

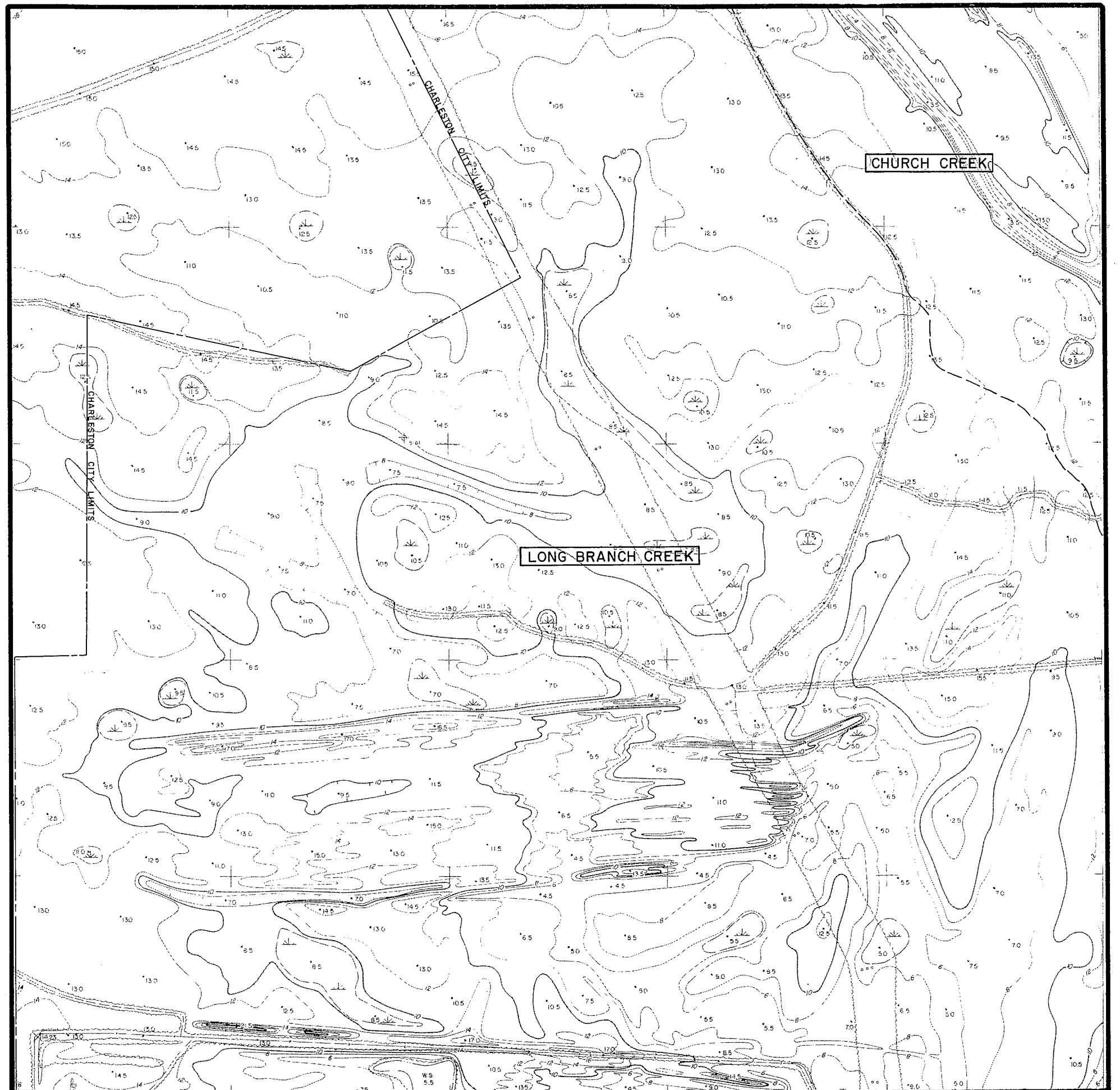
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14		L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
			I11	I10	I9	I8	I7



LEGEND

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

GRAPHIC SCALE 500 0 500 1000 1500
FEET



INVENTORY

MAP L14

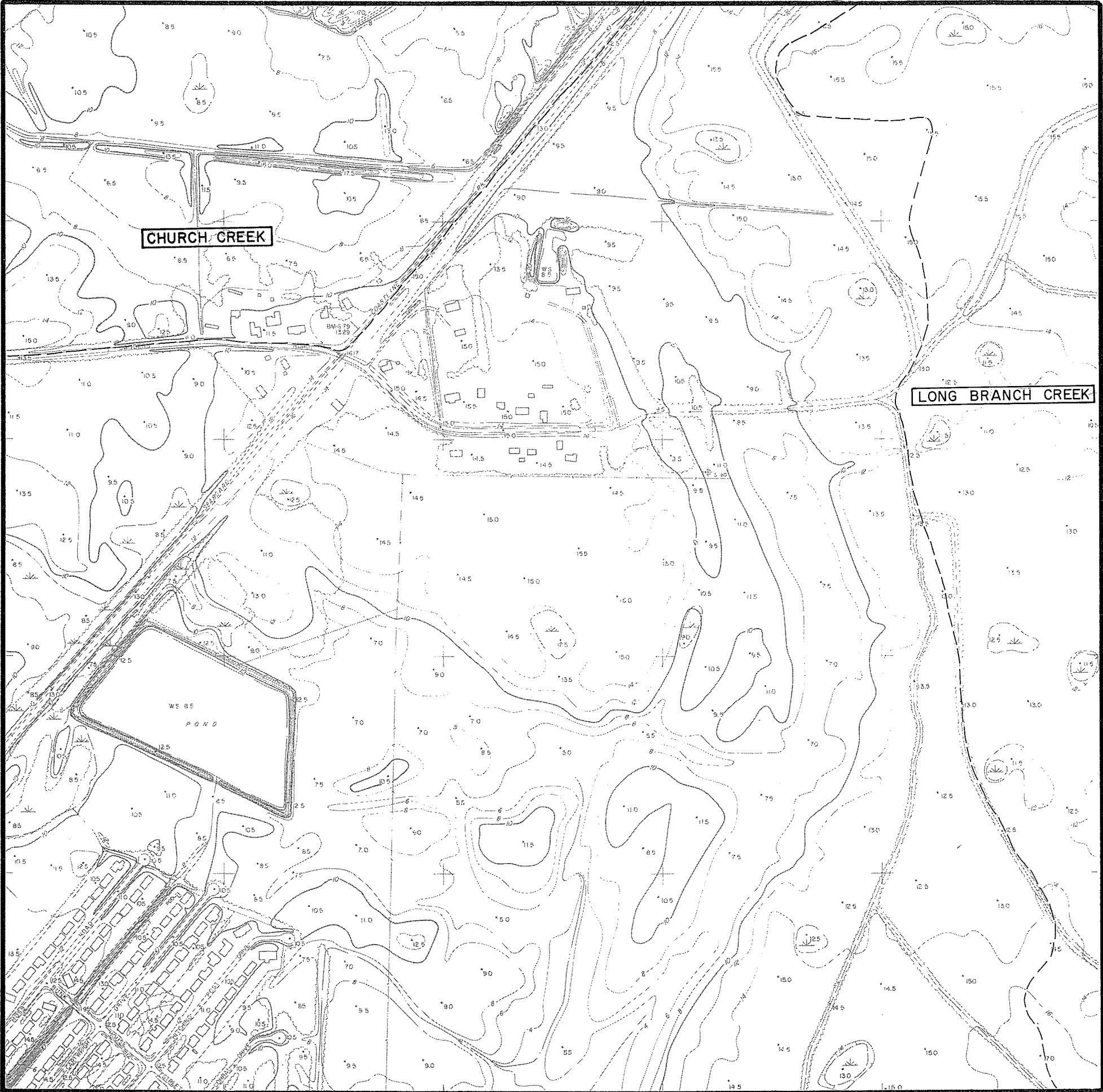
existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15		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	

N

LEGEND

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



INVENTORY

MAP L15

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
	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

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
M-8	1	24" RCP	10.84	C
M-8	2	24" RCP	10.55	C
M-8	3	24" RCP	10.19	C
M-8	4	24" RCP	10.12	C
M-8	5	24" RCP	8.96	C
M-8	6	15" RCP (E) 18" RCP (W) 24" RCP (S) 18" RCP (N)	9.99 10.78 8.76 9.88	C
M-8	7	24" RCP	9.30	C
M-8	8	15" RCP (E) 15" RCP (W)	10.40 10.40	C
M-8	9	18" RCP	5.62	C
M-8	10	16" x 25" CMP	6.03	C
M-8	11	31" x 50" CMP	5.55	C
M-8	12	30" VCP	2.78	C
M-8	13	24" VCP (N) 24" RCP (E) 30" VCP (W) 24" RCP (S)	3.90 4.05 3.81 4.00	C
M-8	14	15" RCP (N) 24" VCP (S)	4.30 3.97	C
M-8	15	15" RCP	4.92	C
M-8	16	15" RCP (N) 15" RCP (S) 24" RCP (W)	- - -	CNO
M-8	17	18" RCP	3.97	C
M-8	18	18" RCP	2.87	C
M-8	19	13" x 22" CMP	6.18	C
M-8	20	15" RCP	6.08	C
M-8	21	16" x 25" CMP	5.23	C
M-8	22	31" x 50" CMP (E) 31" x 50" CMP (W)	6.74 7.06	C
M-8	23	31" x 50" CMP (E) 31" x 50" CMP (W)	7.20 7.50	C
M-8	24	31" x 50" CMP (E) 18" x 29" CMP (W)	7.74 7.89	C
M-8	25	36" CMP (W)	-8.27	C
M-8	26			CNO
M-8	27	18" x 29" CMP (N) 18" x 29" CMP (S)	8.71 8.51	C
M-8	28	18" x 29" CMP (S)	8.78	C
M-8	29	36" CMP (E) 36" CMP (W)	10.64 10.62	C
M-8	30	36" CMP	11.88	C
M-8	31	30" CMP	12.95	C
M-8	32	30" CMP (E) 18" CMP (W) 30" CMP (S)	13.05 14.21 13.12	C
M-8	33	30" CMP	13.25	C
M-8	34	18" CMP	14.23	C
M-8	35	30" CMP	14.35	C
M-8	36	30" CMP (N) 30" CMP (W) 18" CMP (S)	14.52 14.66 14.85	C
M-8	37	30" CMP	15.01	C
M-8	38	30" CMP	16.23	C
M-8	39	30" CMP (E) 30" CMP (W) 12" CMP (S)	16.21 16.27 16.22	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
M-8	40	30" CMP (E) 15" CMP (N)	16.36 16.49	Open to ditch
M-8	41	27" x 43" CMP	3.80	C
M-8	42	27" x 43" CMP (E) 22" x 36" CMP (W)	4.88 4.52	C
M-8	43	22" x 36" CMP (E) 22" x 36" CMP (W)	4.83 4.86	C
M-8	44	18" RCP	2.72	C
M-8	45	18" x 29" CMP	2.86	FS
M-8	46	18" x 29" CMP (E) 18" x 29" CMP (W)	3.59 3.61	C
M-8	47	18" x 29" CMP (E)	4.10	C
M-8	48	24" RCP	4.48	C
M-8	49	18" x 29" CMP (N) 18" x 29" CMP (S)	5.14 5.19	C
M-8	50	18" x 29" CMP (N) 16" x 25" CMP (E)	5.35 5.62	C
M-8	51	16" x 25" CMP (W)	6.15	C
M-8	52	24" RCP	5.00	C
M-8	53	24" RCP (E) 18" x 29" CMP (W)	6.45 6.49	C
M-8	54	18" x 29" CMP (E)	6.56	C
M-8	55	18" RCP	3.73	C
M-8	56	24" RCP (E)	4.73	C
M-8	57	24" RCP	4.30	C
M-8	58	24" RCP	3.92	C
M-8	59	24" RCP (S) 24" RCP (N)	4.63 4.47	C
M-8	60	24" RCP (N) 18" RCP (E)	4.64 4.58	C
M-8	61	24" RCP	4.85	C
M-8	62	18" x 29" CMP (N) 24" RCP (S)	5.49 5.40	C
M-8	63	16" x 25" CMP (N) 18" x 29" CMP (S)	5.79 5.71	C
M-8	64	24" RCP	3.86	C
M-8	65	18" RCP (E) 24" RCP (W)	4.39 4.17	C
M-8	66	24" RCP	3.94	C
M-8	67	24" RCP (E) 24" RCP (W)	4.34 4.23	C
M-8	68	24" RCP (E) 18" x 29" CMP (S)	4.82 4.87	C
M-8	69			FS
M-8	70	24" RCP	3.42	HFS
M-8	71	24" RCP (N) 24" RCP (S)	4.09 4.09	C
M-8	72	24" RCP (N) 16" x 25" CMP (E)	4.34 4.22	C
M-8	73	36" RCP	9.04	C
M-8	74	36" RCP	9.57	C
M-8	75	30" RCP	7.48	C
M-8	76	30" RCP (E) 30" RCP (W) 18" RCP (S)	- - -	CNO
M-8	77	30" RCP	6.41	HFS
M-8	78	18" RCP	6.81	HFS

INVENTORY

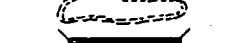
MAP M8

existing drainage facilities
CITY OF CHARLESTON

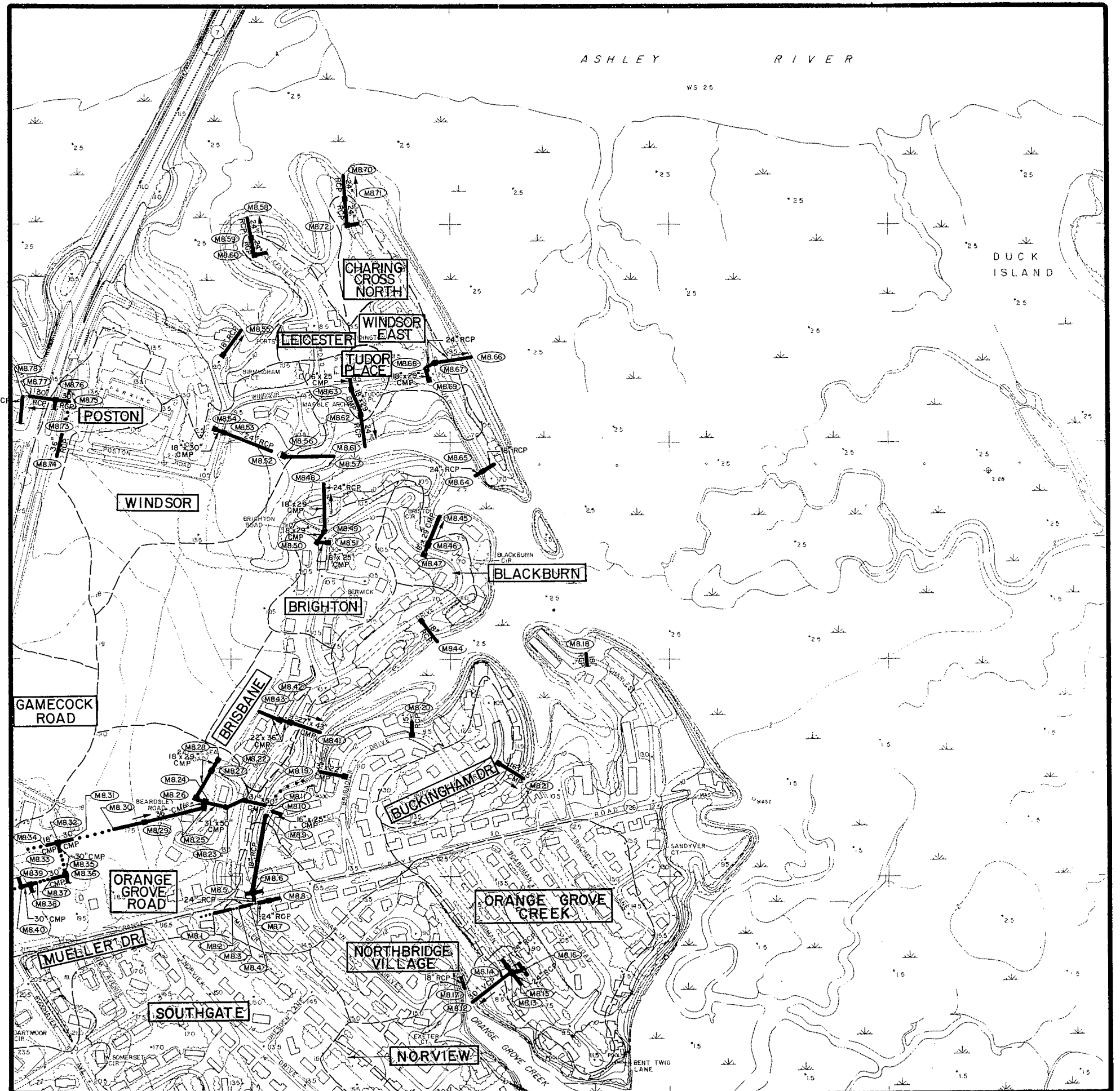
WEST OF THE ASHLEY

O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	
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
-  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
M-9	1	24" RCP	7.97	C
M-9	2	24" RCP (E) 24" RCP (W)	12.15 11.88	C
M-9	3	18" RCP (E) 24" RCP (W)	12.35 12.35	C
M-9	4	18" RCP	3.97	C
M-9	5	24" RCP	6.31	C
M-9	6	24" RCP (E) 24" RCP (W)	7.01 7.06	C
M-9	7	24" RCP (W)	7.07	C
M-9	8	18" RCP	4.38	C
M-9	9	24" CMP (W)	4.91	C
M-9	10	18" RCP	2.93	C
M-9	11	18" RCP	10.14	C
M-9	12	18" RCP	9.04	C
M-9	13	18" CMP	9.17	C
M-9	14	24" CMP	9.73	C
M-9	15	24" RCP (N) 24" RCP (S)	11.74 11.74	C
M-9	16	24" RCP (N) 24" RCP (W)	12.34 12.34	C
M-9	17	24" RCP (E) 24" RCP (W)	12.42 12.42	C
M-9	18	24" RCP (E) 24" RCP (W)	12.47 12.47	C
M-9	19	15" RCP	16.49	C
M-9	20	24" CMP	9.24	C
M-9	21	24" CMP (W) 18" RCP (S) 18" x 29" CMP (E)	9.22 9.84 9.98	C
M-9	22	24" RCP (E) 18" x 29" CMP (W)	- -	CNO
M-9	23	24" RCP (W) 15" RCP (N)	10.59 10.91	C
M-9	24	30" CMP	8.18	C
M-9	25	18" x 29" CMP (E) 24" RCP (W)	9.12 8.61	C
M-9	26	18" x 29" CMP (W)	9.72	C
M-9	27	42" CMP	-0.12	C
M-9	28	42" CMP	-	C
M-9	29	15" RCP	6.04	C
M-9	30	15" RCP	3.89	C
M-9	31	30" RCP (N) 18" RCP (W) 30" RCP (E)	7.05 7.02 7.02	C
M-9	32	30" CMP (W) 30" RCP (S)	- -	C
M-9	33	30" CMP (E) 27" x 43" CMP (W)	- -	CNO
M-9	34	27" x 43" CMP (E) 27" x 43" CMP (W)	4.98 5.02	C
M-9	35	27" x 43" CMP (E) 27" x 43" CMP (N)	4.03 3.70	C
M-9	36	27" x 43" CMP (N) 27" x 43" CMP (S) 18" RCP (E)	3.20 3.12 3.37	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
M-9	37	30" CMP	1.58	C
M-9	38	18" RCP	5.50	C
M-9	39	18" RCP	6.71	C
M-9	40	30" RCP (E) 30" RCP (W) 24" RCP (S)	8.83 8.87 8.92	C
M-9	41	24" RCP (N) 24" RCP (S)	9.45 9.24	C
M-9	42	24" RCP	-	C
M-9	43	30" RCP (E) 30" RCP (W)	10.13 10.13	C
M-9	44			PO
M-9	45	18" RCP (N) 18" RCP (S) 24" RCP (E) 30" RCP (W)	11.38 11.38 11.89 11.08	C
M-9	46	24" RCP (W) 18" CMP (S) 18" CMP (N) 18" CMP (E)	12.80 12.82 12.90 12.86	C
M-9	47	24" RCP	11.58	C
M-9	48	24" RCP (E) 24" RCP (S)	11.45 11.44	C
M-9	49	24" RCP (N) 24" RCP (S)	11.78 11.89	C
M-9	50	24" RCP (N) 24" RCP (S)	12.35 12.35	C
M-9	51	24" RCP (N) 24" RCP (S) 18" RCP (E) 15" RCP (W)	13.11 13.25 13.30 13.77	C
M-9	52	24" RCP (N) 24" RCP (S) 15" RCP (W)	14.99 14.99 15.05	C
M-9	53	24" RCP (N) 24" RCP (S) 15" RCP (W)	16.18 16.19 16.10	C
M-9	54	24" RCP (N) 24" RCP (S) 18" RCP (W) 24" RCP (E)	17.03 17.18 17.45 17.10	C
M-9	55	24" RCP (W)	17.57	C
M-9	56	24" RCP (N) 24" RCP (S)	17.25 17.32	C
M-9	57	24" RCP (N) 24" RCP (S) 18" RCP (E)	17.65 17.65 17.69	C
M-9	58	24" RCP (N) 24" RCP (S)	18.15 18.40	C
M-9	59	24" RCP (N) 18" RCP (E)	18.55 18.56	C
M-9	82	18" RCP (S) 24" RCP (W)	10.96 10.66	C
M-9	83	24" RCP (W) 24" RCP (E)	9.92 10.08	C
M-9	87	24" RCP (N) 24" CMP (E) 24" CMP (W) 24" RCP (S)	7.83 7.92 7.92 7.83	C
M-9	90	18" RCP	6.10	C
M-9	91	-	-	PO

INVENTORY

MAP M9

existing drainage facilities
CITY OF CHARLESTON

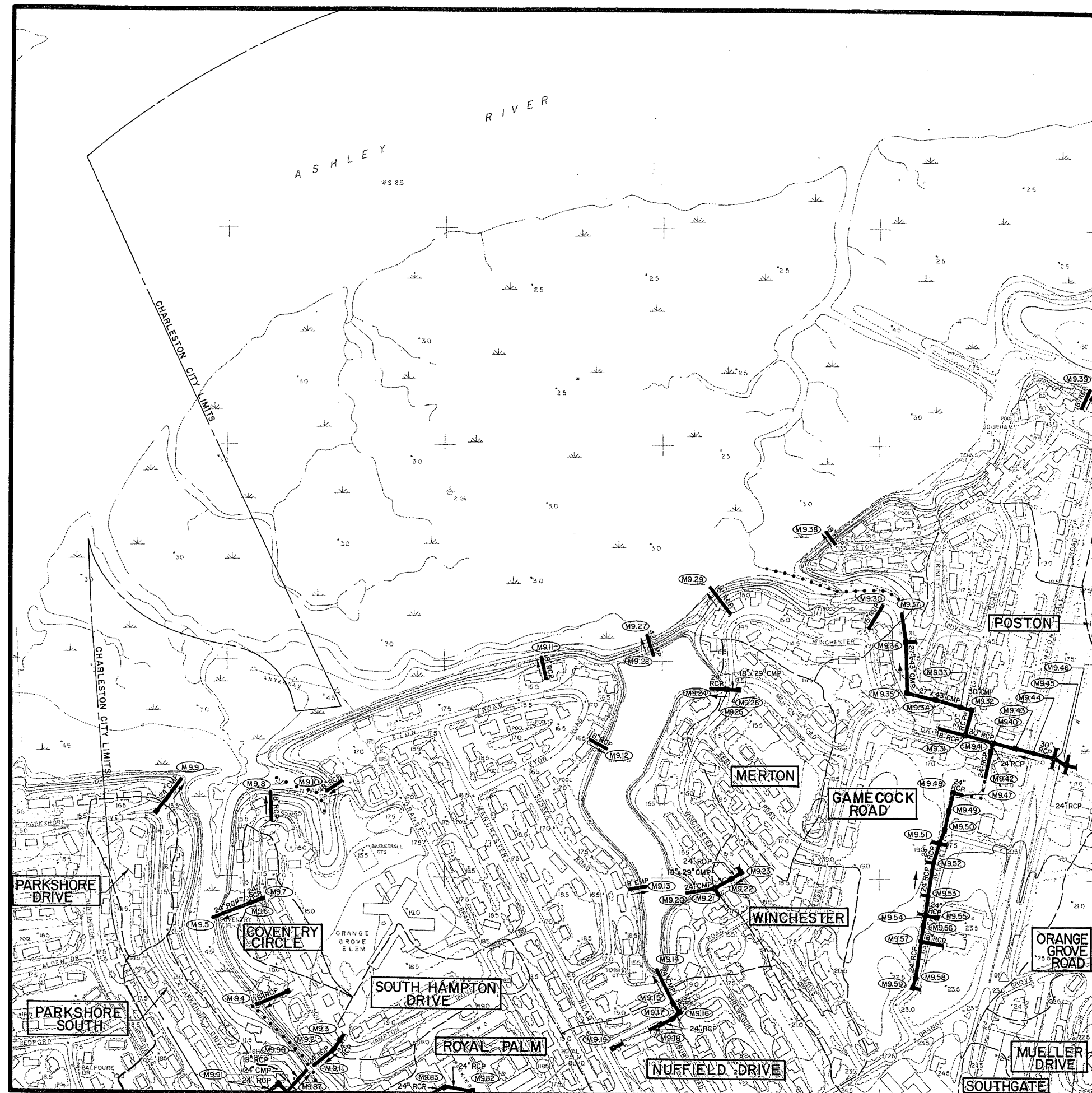
WEST OF THE ASHLEY

O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10		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



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
M-10	1	36" RCP (N) 22" x 36" CMP (S)	4.00 3.94	C
M-10	2	36" RCP (N) 36" RCP (S) 18" RCP (E) 18" RCP (W)	3.51 3.38 5.32 5.36	C
M-10	3	48" RCP (N) 36" RCP (S)	2.90 2.92	C
M-10	4	48" RCP (N) 48" RCP (S)	2.27 1.88	C
M-10	5	48" RCP	1.89	C
M-10	6	42" CMP	5.53	C
M-10	7	42" CMP	6.04	C
M-10	8	22" x 36" CMP (N) 30" RCP (S)	4.24 4.19	C
M-10	9		-	CNO
M-10	10	30" RCP (E) 30" RCP (W)	4.98 4.96	C
M-10	11		-	CNO
M-10	12	30" RCP (N) 18" RCP (S)	5.79 5.84	C
M-10	13	24" CMP (E)	4.41	C
M-10	14	24" CMP (W) 24" CMP (S)	3.83 3.89	C
M-10	15	24" CMP (S)	3.97	C

INVENTORY

MAP M10

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

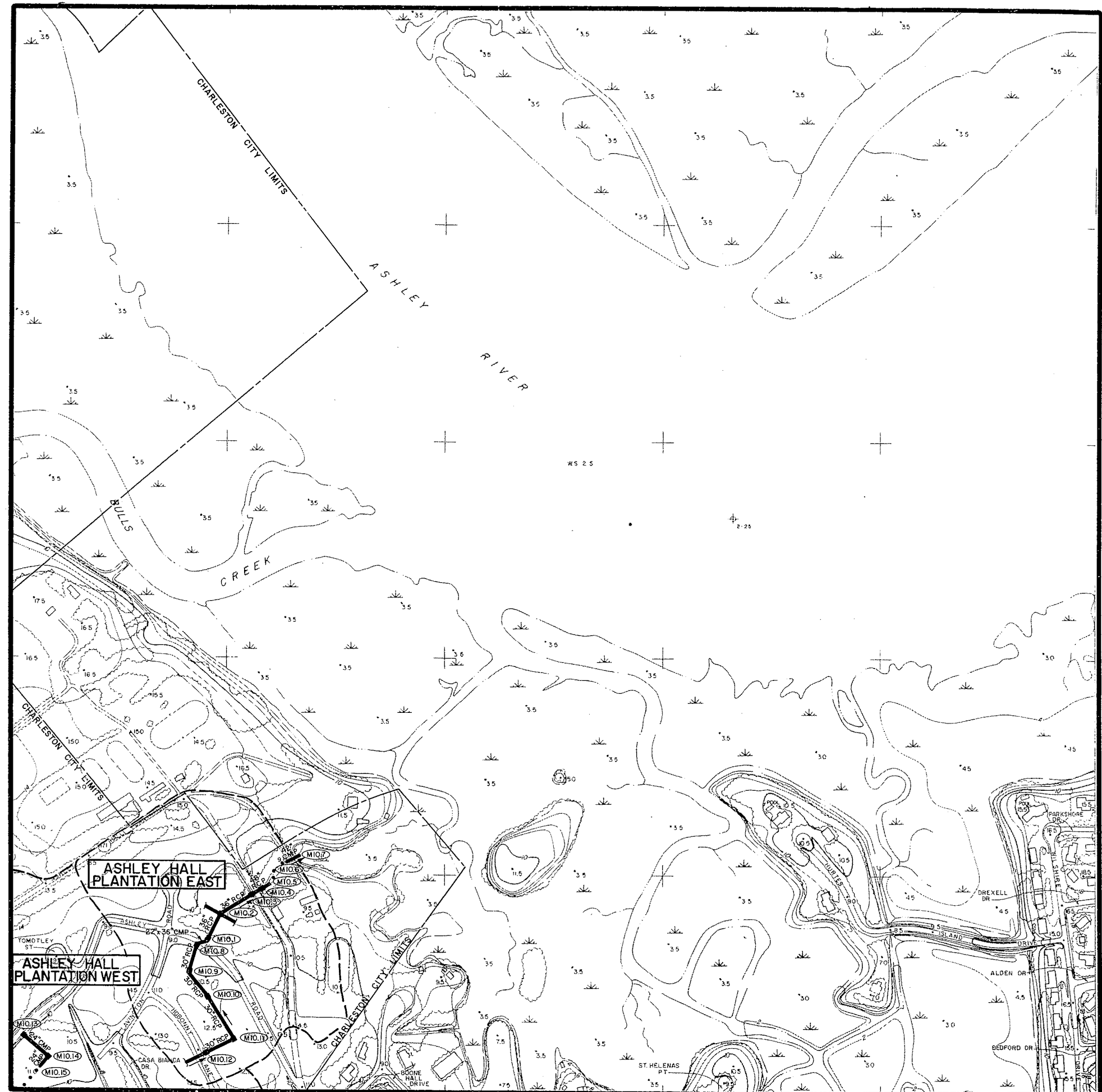
O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13	M12	M11		M9	M8	
L15	L14	L13	L12	L11	L10	L9	L8	
	K14	K13	K12	K11	K10	K9	K8	
	J14	J13	J12	J11	J10	J9	J8	J7
			I11	I10	I9	I8	I7	



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>
M-11	1	30" RCP	-	C
M-11	2	30" RCP	-	C
M-11	3	24" RCP	3.64	C
M-11	4	25' BRIDGE	1.56	-
M-11	5	24" RCP (E)	4.00	C
		24" RCP (W)	4.00	
M-11	6	24" RCP (E)	3.46	C
		24" RCP (W)	3.46	
M-11	7	18" RCP (E)	-	CNO
		24" RCP (W)	-	
M-11	8	4' x 6' BOX	-0.60	C
M-11	9	4' x 6' BOX	-0.52	C

INVENTORY

MAP M11

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		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



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
M-12	1	13" x 22" CMP (E) 24" CMP (W) 18" x 29" (S)	9.00 8.95 9.10	C
M-12	2	36" CMP (N) 22" x 36" (S) 16" x 25" CMP (W)	7.90 7.74 7.75	C
M-12	3	27" x 43" CMP (N) 27" x 43" CMP (S) 16" x 25" CMP (W)	5.21 5.21 5.14	C
M-12	4	36" CMP (S) 24" CMP (E) 18" CMP (N)	- 7.99 7.96	C

INVENTORY

MAP M12

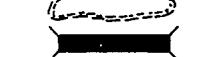
existing drainage facilities
CITY OF CHARLESTON

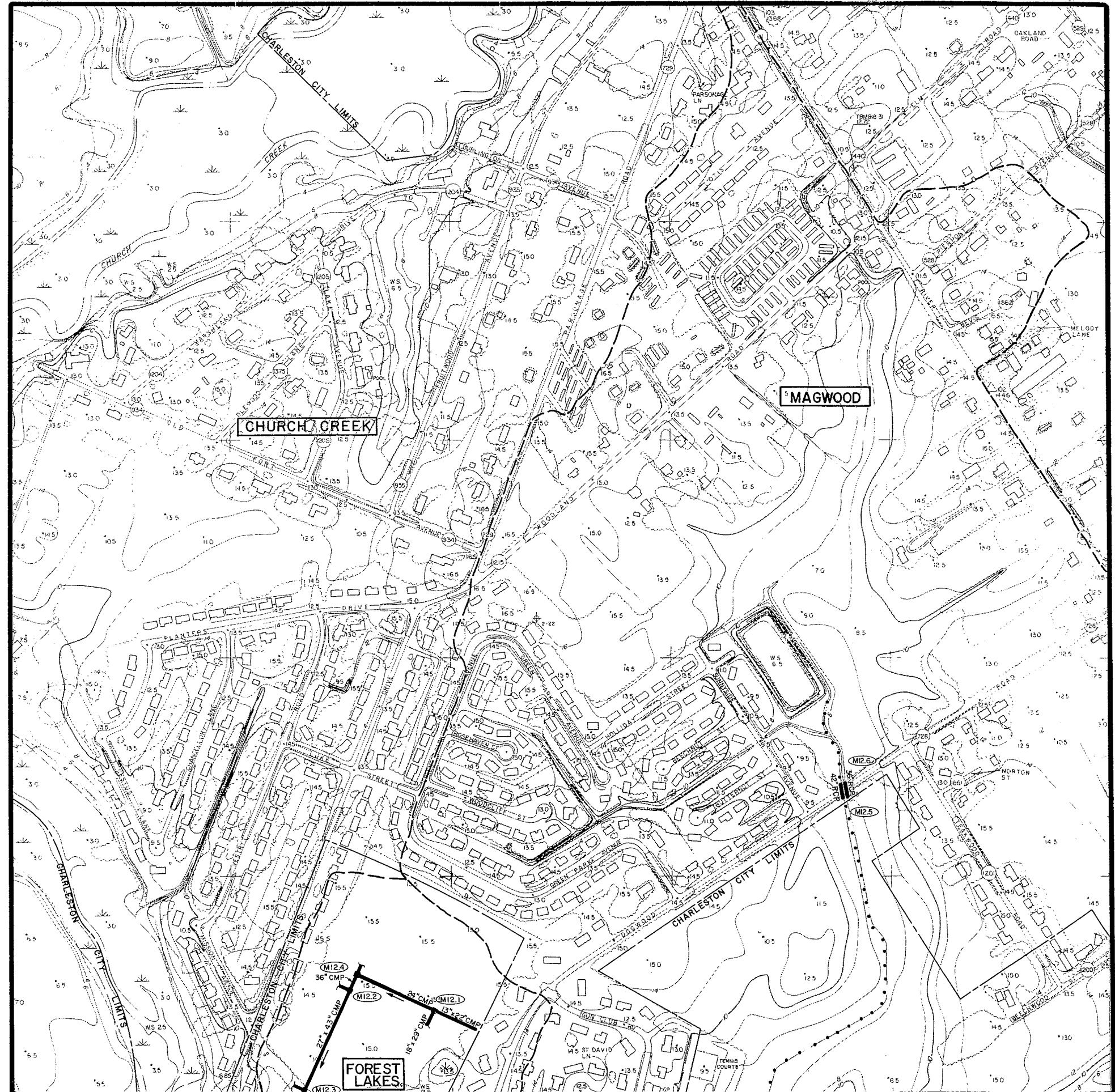
WEST OF THE ASHLEY

O15	O14	O13						
N15	N14	N13	N12	N11	N10	N9	N8	
M15	M14	M13		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



INVENTORY

MAP M13

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

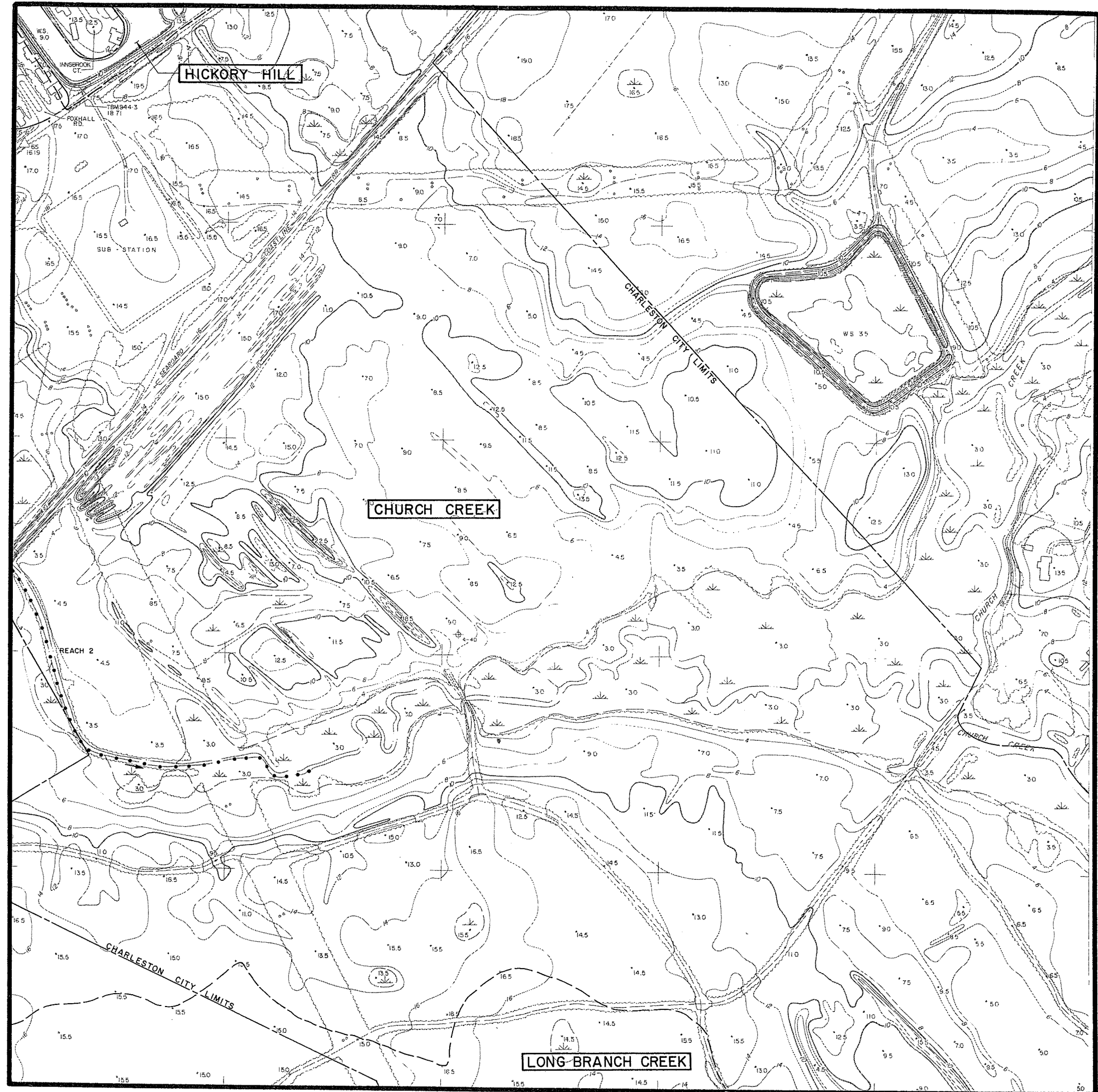
O15	O14	O13							
N15	N14	N13	N12	N11	N10	N9	N8		
M15	M14		M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
	K14	K13	K12	K11	K10	K9	K8		
	J14	J13	J12	J11	J10	J9	J8	J7	
			I11	I10	I9	I8	I7		



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>
M-14	1	36' Wide Bridge	0.99	C
M-14	3	66" RCP	2.07	C
M-14	4	66" RCP	1.93	C

INVENTORY

MAP M14

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY

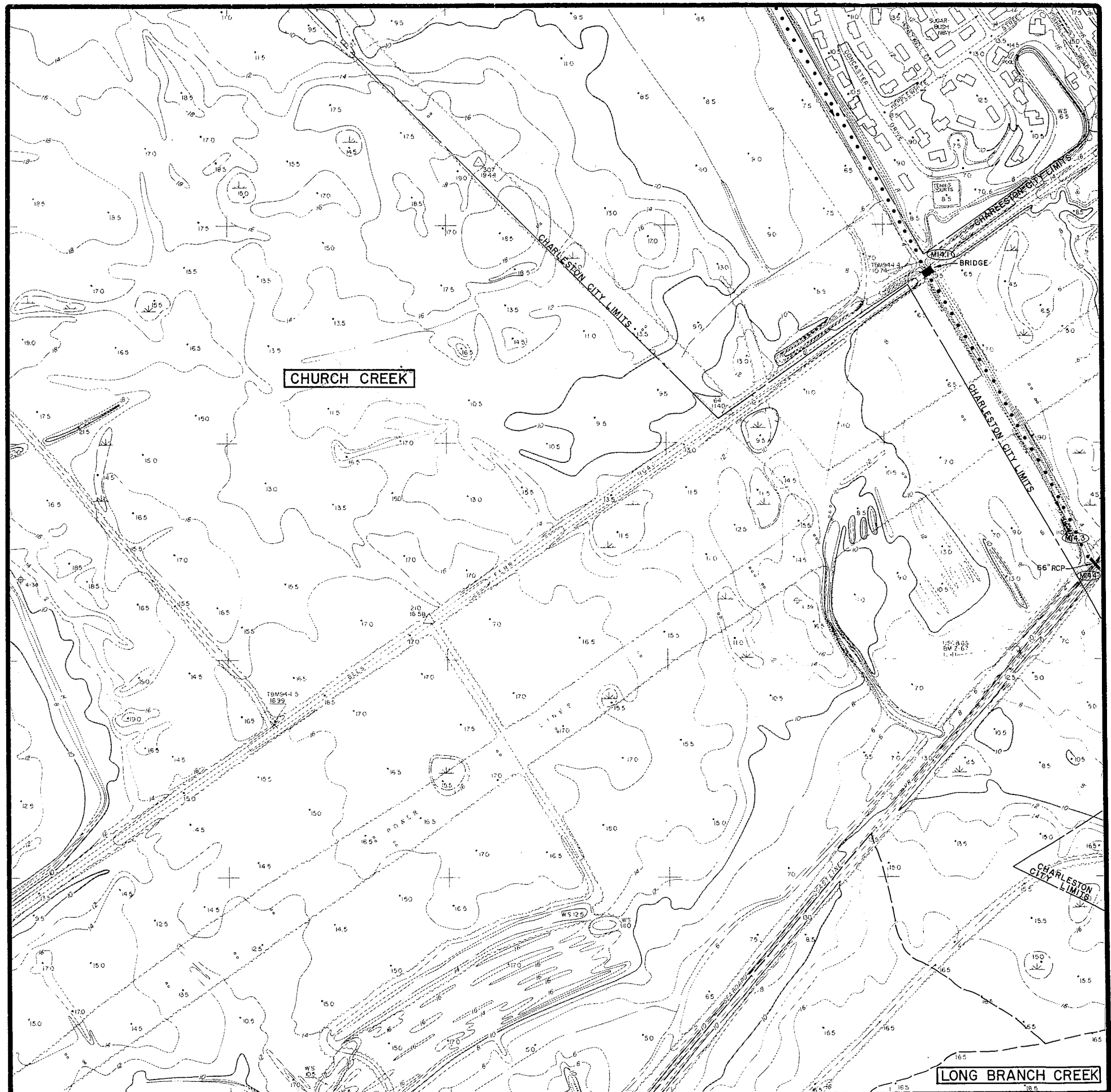
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
M15		M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
		I11	I10	I9	I8	I7	



LEGEND

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

GRAPHIC SCALE 500 0 500 1000 1500 FEET



INVENTORY

MAP M15

existing drainage facilities
CITY OF CHARLESTON

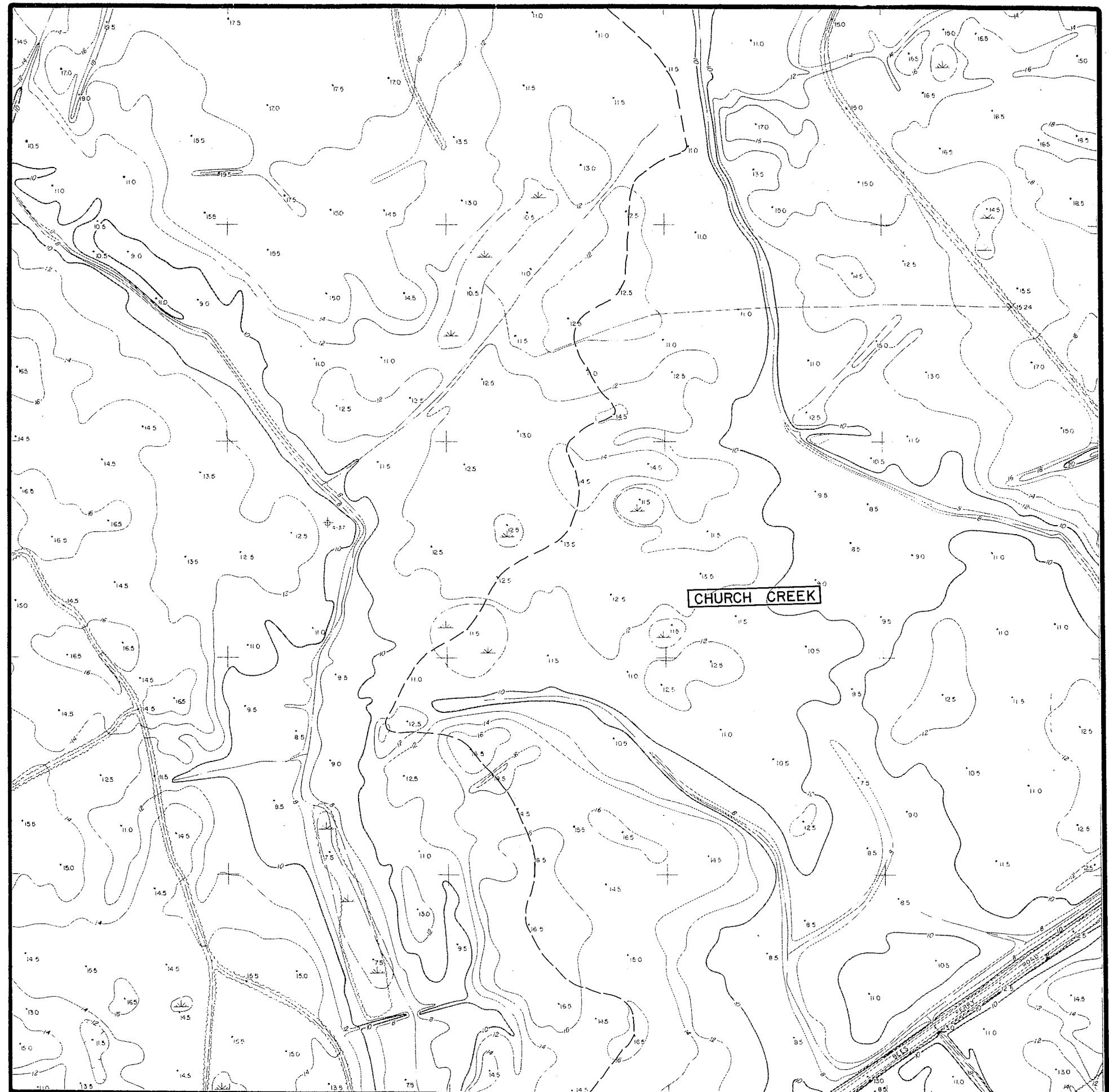
WEST OF THE ASHLEY							
O15	O14	O13					
N15	N14	N13	N12	N11	N10	N9	N8
	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
			I11	I10	I9	I8	I7



LEGEND

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

GRAPHIC SCALE 500 0 500 1000 1500
FEET



INVENTORY

MAP N11

existing drainage facilities CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13	N12		N10	N9	N8		
M15	M14	M13	M12		M10	M9	M8		
L15	L14	L13	L12		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



<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
N-12	1	24" RCP (N)	8.68	C
N-12	2	24" RCP (N) 24" RCP (S)	8.48 8.50	C
N-12	3	24" RCP	7.47	C
N-12	4	24" RCP (W) 15" RCP (S)	7.71 7.67	C
N-12	5	24" RCP (E) 30" RCP (W)	7.47 7.53	C
N-12	6	30" RCP (E) 30" RCP (W)	6.96 6.85	C
N-12	7	30" RCP (E) 36" RCP (W)	6.85 6.78	C
N-12	8	36" RCP	6.39	C
N-12	9	36" RCP	9.01	C
N-12	10	36" RCP	8.98	C
N-12	11	36" RCP (N) 36" RCP (S) 24" RCP (E)	5.49 5.49 5.49	C
N-12	12	36" RCP	5.70	C
N-12	13	36" RCP	5.71	C
N-12	14	24" RCP (W) 18" RCP (S)	6.59 6.64	C
N-12	15	15" RCP	4.10	C
N-12	16	18" RCP	-	C
N-12	17	85' BRIDGE	-3.50	Bottom of channel

INVENTORY

MAP N12

existing drainage facilities CITY OF CHARLESTON

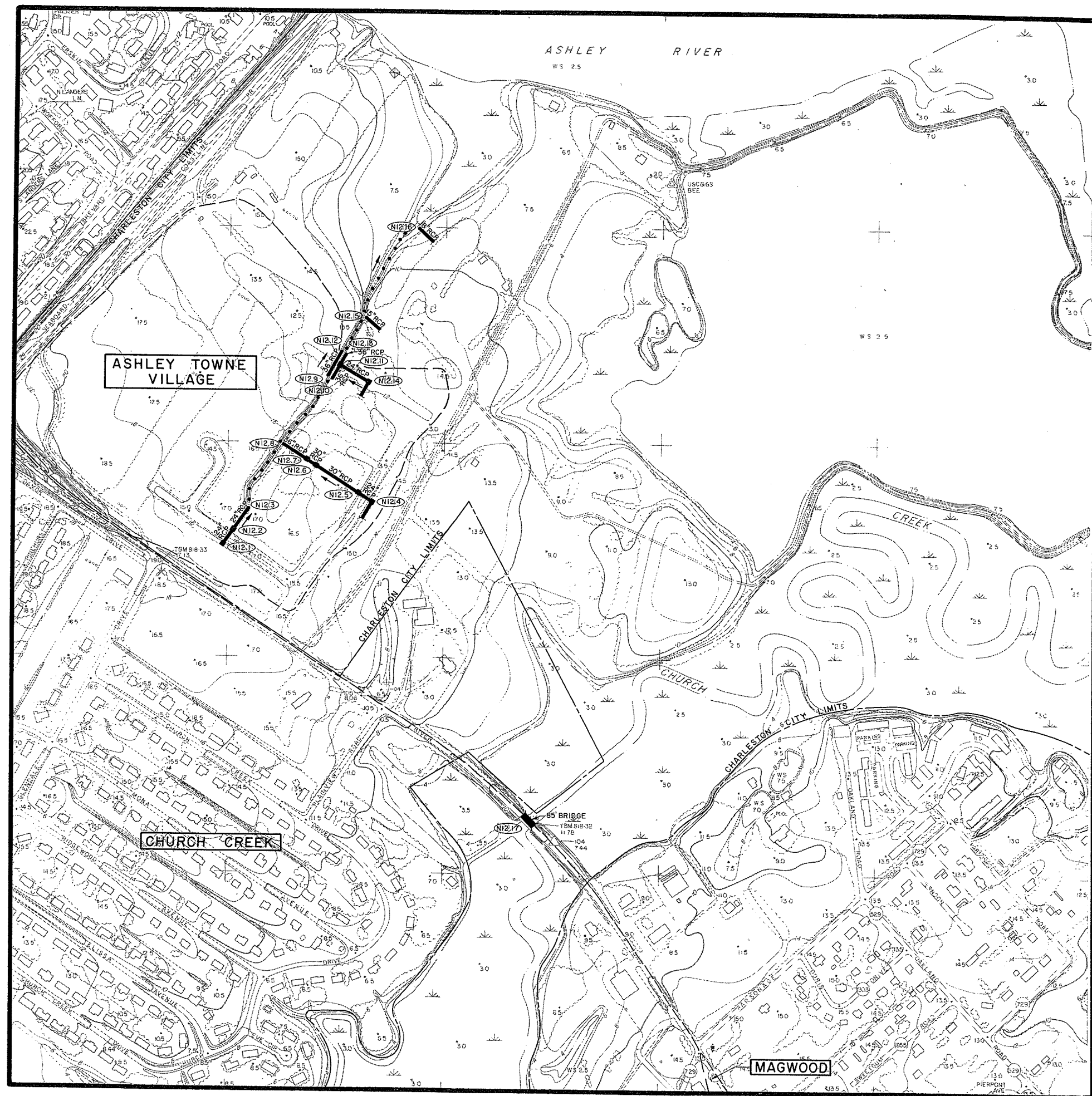
WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14	N13		N11	N10	N9	N8		
M15	M14	M13	M12	M11	M10	M9	M8		
L15	L14	L13	L12	L11	L10	L9	L8		
K14	K13	K12	K11	K10	K9	K8			
J14	J13	J12	J11	J10	J9	J8	J7		
			I11	I10	I9	I8	I7		



LEGEND

- DRAINAGE PIPE
- DRAINAGE CHANNEL
- CHARLESTON CITY LIMITS
- WATERSHED BOUNDARY
- 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
N-13	1	31" x 50" CMP 31" x 50" CMP	3.12 3.01	C
N-13	3	31" x 50" CMP 31" x 50" CMP	3.40 3.20	C
N-13	5	24" RCP	5.75	C
N-13	6	24" RCP	5.75	C
N-13	7	36" RCP 36" RCP	2.51 2.52	C
N-13	9	36" RCP 36" RCP	2.36 2.55	C
N-13	11	48" RCP 48" RCP	2.44 2.28	C
N-13	13	48" RCP 48" RCP	2.12 2.47	C
N-13	15	36" x 58" CMP 36" x 58" CMP	3.88 4.88	C
N-13	17	36" x 58" CMP 36" x 58" CMP	4.01 5.19	C
N-13	19	48" RCP 48" RCP	4.02 4.08	C
N-13	21	48" RCP 48" RCP	4.00 4.17	C
N-13	23	24" RCP (N) 18" RCP (S)	10.10 10.99	C
N-13	24	24" RCP	8.72	C
N-13	25	24" CMP	8.20	C
N-13	26	24" CMP	6.96	C
N-13	27	30" CMP (W) 15" RCP (N)	9.91 10.71	C
N-13	28	30" CMP (E) 30" CMP (W)	9.74 9.68	C
N-13	29	30" CMP (W) 30" CMP (E)	8.72 8.93	C
N-13	30	30" CMP	7.79	C
N-13	31	18" CMP	-	C
N-13	32	18" CMP	-	C
N-13	33	24" CMP (E)	14.64	HFS
N-13	34	24" CMP (W) 30" CMP (E)	14.43 14.63	C
N-13	35	30" CMP	13.74	C
N-13	36	42" CMP	12.92	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
N-13	37	42" CMP (E) 42" CMP (W)	12.53 12.53	C
N-13	38	42" CMP (E) 42" CMP (W)	12.34 12.29	C
N-13	39	42" CMP (E) 42" CMP (W)	11.84 12.05	C
N-13	40	42" CMP (E) 42" CMP (W)	12.03 12.03	C
N-13	41	42" CMP	15.34	C
N-13	42	40" x 65" CMP	4.11	C
N-13	43	40" x 65" CMP	4.26	C
N-13	44	40" x 65" CMP (E) 40" x 65" CMP (W)	4.69 4.69	C
N-13	45	40" x 65" CMP (E) 40" x 65" CMP (W)	4.74 4.74	C C
N-13	47	40" x 65" CMP	9.65	C
N-13	51		-	Unable to locate
N-13	52		3.46	C
N-13	53		3.38	C
N-13	54		-	Unable to locate
N-13	55	42" CMP	6.95	C
N-13	56	42" CMP (N) 42" CMP (S)	7.20 7.45	C
N-13	57	60" CMP	5.19	C
N-13	58	42" CMP (N) 42" CMP (W)	7.75 7.75	C
N-13	59	42" CMP (E) 42" CMP (S)	8.08 8.20	C
N-13	61	60" CMP (E) 60" CMP (W)	6.39 6.29	C
N-13	62	60" CMP (E) 60" CMP (W)	5.47 5.85	C
N-13	63	21" CMP	-	C
N-13	64	48" RCP 48" RCP	3.99 4.08	HFS
N-13	66	48" RCP 48" RCP	4.21 3.83	C
N-13	68	36" RCP	9.09	C
N-13	69	36" RCP	8.45	C

INVENTORY

MAP N13

existing drainage facilities
CITY OF CHARLESTON

WEST OF THE ASHLEY									
O15	O14	O13							
N15	N14		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	

N

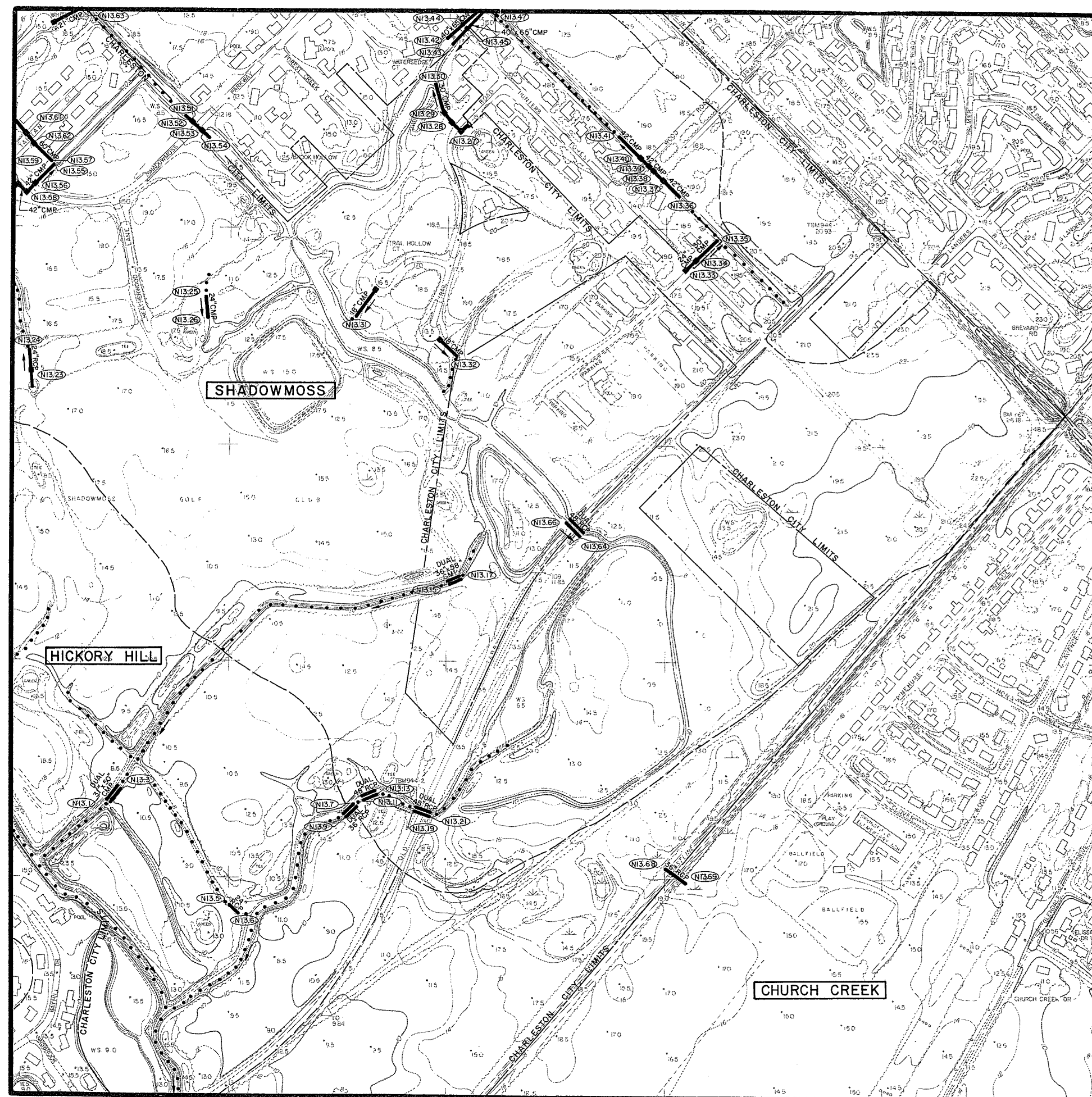
LEGEND

- | | |
|---|----------------------------|
|  | 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
N-14	1	24" CMP	9.05	C
N-14	2	36" CMP (E) 36" CMP (W)	9.98 10.01	C
N-14	3	36" CMP (E) 36" CMP (W)	9.35 9.58	C
N-14	4	54" CMP (E) 36" CMP (W) 42" CMP (S)	7.57 8.31 7.81	C
N-14	5	54" CMP (E) 54" CMP (W)	7.05 7.12	C
N-14	6	60" CMP (E) 54" CMP (W) 24" CMP (S)	6.61 6.59 8.13	C
N-14	7	42" CMP (N) 42" CMP (W)	8.34 8.43	C
N-14	8	42" CMP (E) 42" CMP (S)	8.91 8.93	C
N-14	9	42" CMP (N) 24" CMP (S)	9.01 9.70	C
N-14	10	24" CMP	10.57	C
N-14	11	24" CMP (N) 21" CMP (S)	8.81 8.96	C
N-14	12	24" CMP	7.16	C
N-14	13	24" CMP (S) 24" CMP (N)	7.66 7.85	C
N-14	14	24" CMP (N) 24" CMP (S)	8.25 8.04	C
N-14	15	24" CMP	10.38	C
N-14	16	24" RCP	10.34	C
N-14	17	24" RCP (E) 24" RCP (W)	11.01 11.01	C
N-14	18	24" RCP (E) 24" RCP (W)	11.25 11.25	C
N-14	19	24" RCP (E) 24" RCP (W)	11.59 11.59	C
N-14	20	24" RCP (W)	12.16	C
N-14	21	18" RCP	9.48	C
N-14	22	18" CMP	6.28	C
N-14	23	24" CMP	5.38	C
N-14	24	24" CMP	5.25	C
N-14	25	24" CMP	5.20	C
N-14	26	24" CMP	5.00	C
N-14	27	18" RCP	-	C
N-14	28	15" RCP	-	C
N-14	29	18" RCP	-	FS
N-14	30	24" RCP (E)	7.23	C
N-14	31	24" RCP (E) 24" RCP (W)	6.64 6.75	C

SHEET NO.	MANHOLE NO.	PIPE SIZE	INVERT ELEV.	CONDITION
N-14	32	24" RCP	7.07	C
N-14	33	24" RCP (E) 24" RCP (W)	7.38 7.42	C
N-14	34	24" RCP (E) 24" RCP (W)	7.10 7.10	C
N-14	35	24" RCP	7.03	C
N-14	36	24" RCP (E)	8.06	C
N-14	37	36" RCP (E) 36" RCP (W)	3.31 3.37	C
N-14	38	36" RCP (E) 42" RCP (W)	3.67 3.64	C
N-14	39	42" RCP	3.00	C
N-14	40	30" RCP (E) 36" RCP (W) 24" RCP (N)	4.64 4.39 4.76	C
N-14	41	30" RCP (E) 30" RCP (W)	4.96 4.96	C
N-14	42	30" RCP (E) 30" RCP (W)	5.31 5.16	C
N-14	43	30" RCP (E) 30" RCP (W)	5.35 5.14	C
N-14	44		-	CNO
N-14	45	24" RCP (E) 30" RCP (W)	6.58 6.57	C
N-14	46	24" RCP (W) 15" RCP (E)	6.55 7.99	C
N-14	47	24" RCP (S)	5.11	C
N-14	48	24" RCP (N)	4.59	C
N-14	49	24" RCP (N) 24" RCP (S)	4.42 4.42	C
N-14	50	24" RCP	4.07	C
N-14	51	18" RCP (E) 24" RCP (W)	7.27 7.27	C
N-14	52	24" RCP (E) 24" RCP (W)	7.22 6.76	C
N-14	53	24" RCP	5.12	C
N-14	54	24" CMP	4.71	C
N-14	55	24" CMP	4.93	C
N-14	56	24" CMP	4.84	C
N-14	57	24" CMP	5.44	C
N-14	58	24" CMP	4.86	C
N-14	59	24" CMP	5.17	C
N-14	60	24" CMP	4.59	C
N-14	60A	42" CMP	8.83	C
N-14	61	24" CMP	5.09	C

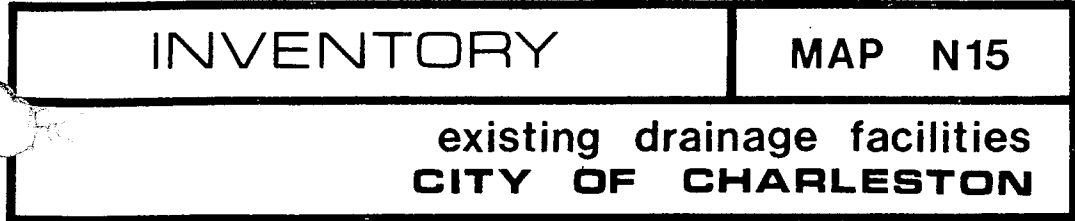
INVENTORY	MAP N15
existing drainage facilities CITY OF CHARLESTON	

INVENTORY	MAP N15
existing drainage facilities CITY OF CHARLESTON	

INVENTORY	MAP N15
existing drainage facilities CITY OF CHARLESTON	

INVENTORY	MAP N15
existing drainage facilities CITY OF CHARLESTON	

INVENTORY	MAP N15
existing drainage facilities CITY OF CHARLESTON	



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

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

LEGEND

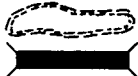
	DRAINAGE PIPE
	DRAINAGE CHANNEL
	CHARLESTON CITY LIMITS
	WATERSHED BOUNDARY
	WATERSHED NAME
	DETENTION BASIN
	BRIDGE
	MANHOLE IDENTIFICATION NO.
	PUMPING STATION

GRAPHIC SCALE



500 0 500 1000 1500
FEET

LEGEND

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

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

LEGEND

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

GRAPHIC SCALE

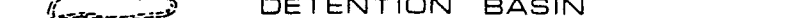


500 0 500 1000 1500
FEET

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

LEGEND

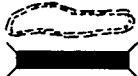
	DRAINAGE PIPE
	DRAINAGE CHANNEL
	CHARLESTON CITY LIMITS
	WATERSHED BOUNDARY
	WATERSHED NAME
	DETENTION BASIN
	BRIDGE
	MANHOLE IDENTIFICATION NO.
	PUMPING STATION

GRAPHIC SCALE



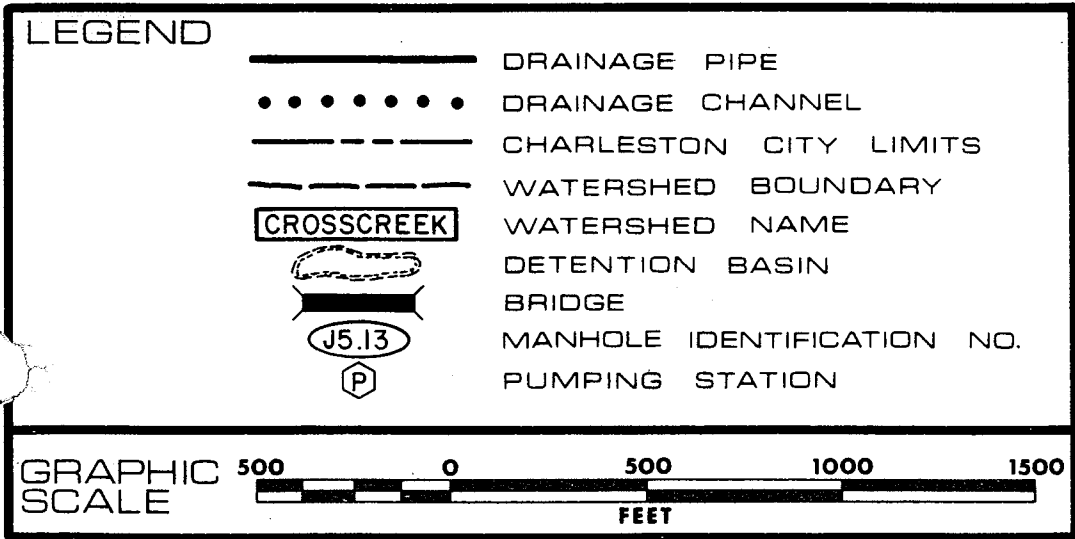
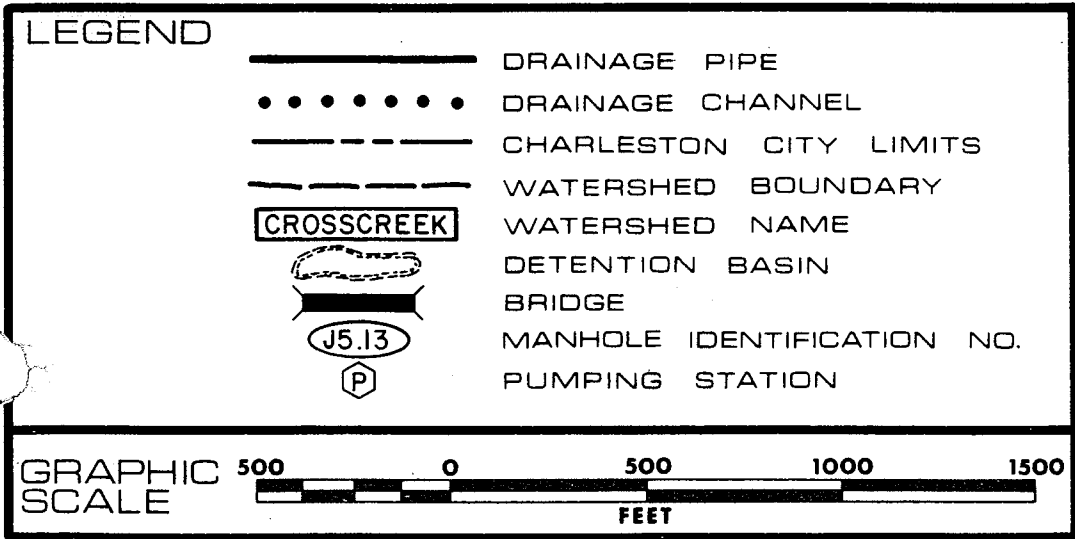
500 0 500 1000 1500
FEET

LEGEND

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

LEGEND

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



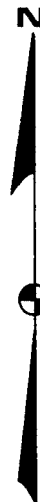
<u>SHEET NO.</u>	<u>MANHOLE NO.</u>	<u>PIPE SIZE</u>	<u>INVERT ELEV.</u>	<u>CONDITION</u>
0-13	1	27" x 43" CMP (E) 27" x 43" CMP (W)	8.15 8.15	C
0-13	2	27" x 43" CMP (E) 24" CMP (W)	8.39 8.54	C
0-13	3	24" CMP	10.36	C
0-13	4	27" x 43" CMP	7.81	C
0-13	5	24" RCP	10.92	C
0-13	6	24" RCP	10.46	C
0-13	7	24" RCP	11.52	C
0-13	8	24" RCP	10.88	C
0-13	46	36" CMP (N) 40" x 65" CMP (S) 40" x 65" CMP (W #1) 40" x 65" CMP (W #2)	- 9.67 5.80 5.80	C
0-13	48	36" CMP (N) 36" CMP (S)	6.78 6.78	C
0-13	49	36" CMP (S) 36" CMP (E)	7.79 7.78	C
0-13	50	36" CMP	7.88	C

INVENTORY

MAP 013

existing drainage facilities
CITY OF CHARLESTON

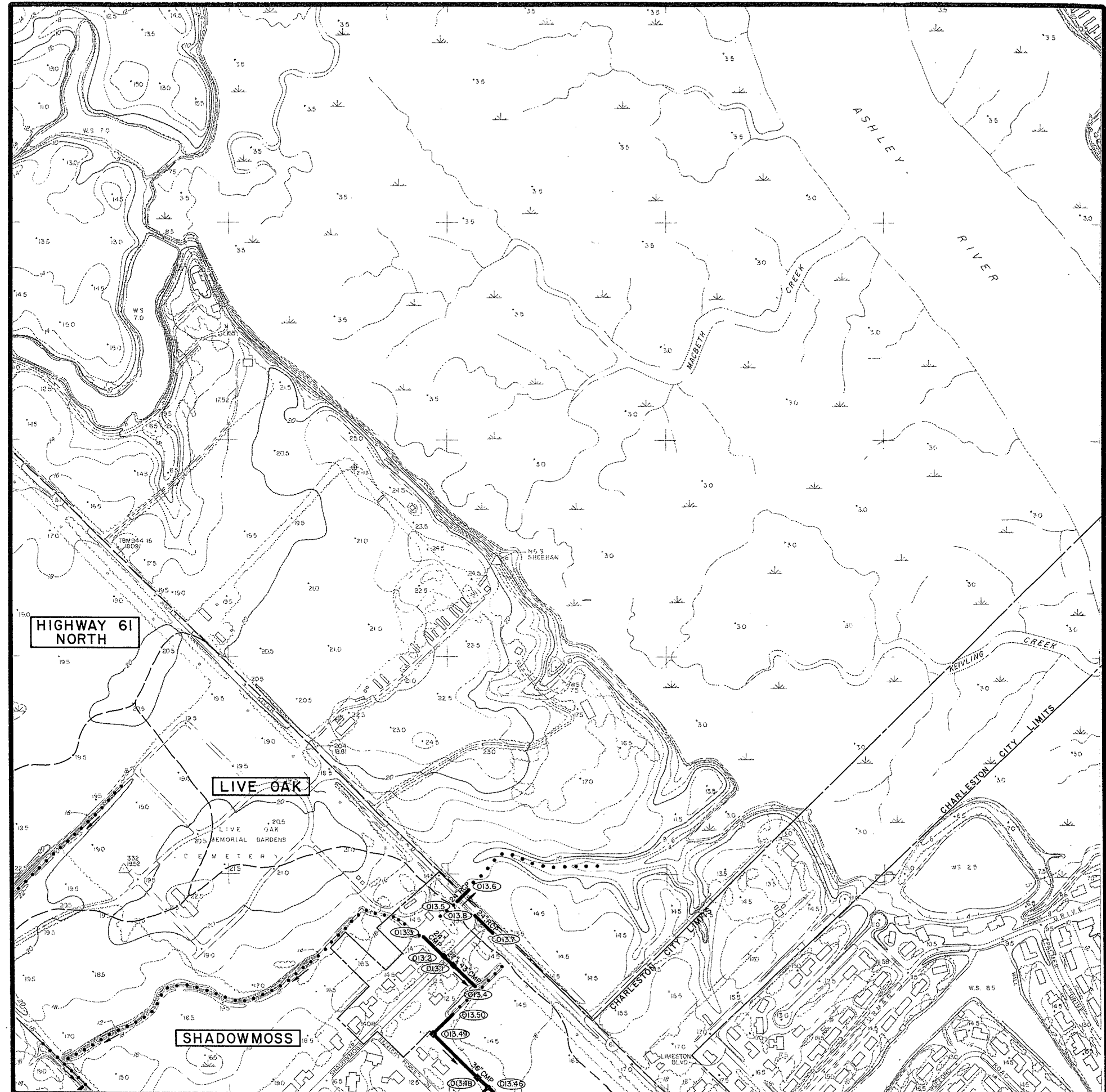
WEST OF THE ASHLEY							
O15	O14						
N15	N14	N13	N12	N11	N10	N9	N8
M15	M14	M13	M12	M11	M10	M9	M8
L15	L14	L13	L12	L11	L10	L9	L8
	K14	K13	K12	K11	K10	K9	K8
	J14	J13	J12	J11	J10	J9	J8
			I11	I10	I9	I8	I7



LEGEND

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

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>
0-14	1	24" CMP (E) 18" CMP (W)	14.22 14.54	C
0-14	2	24" CMP (E) 24" CMP (W)	13.63 13.83	C
0-14	3	24" CMP (E) 24" CMP (W) 18" CMP (S)	12.87 12.87 13.19	C
0-14	4	36" CMP (E) 24" CMP (W)	11.57 11.93	C
0-14	5	36" CMP (E) 36" CMP (W)	11.95 11.84	C
0-14	6	36" CMP (E) 36" CMP (W) 18" (S)	10.50 10.84 11.89	C
0-14	7	4' x 4' BOX	5.26	C
0-14	8	4' x 4' BOX	5.21	C
0-14	9	24" CMP	7.16	C
0-14	10	24" CMP	7.78	C
0-14	11	24" CMP	8.79	C
0-14	12	24" CMP	9.04	C

