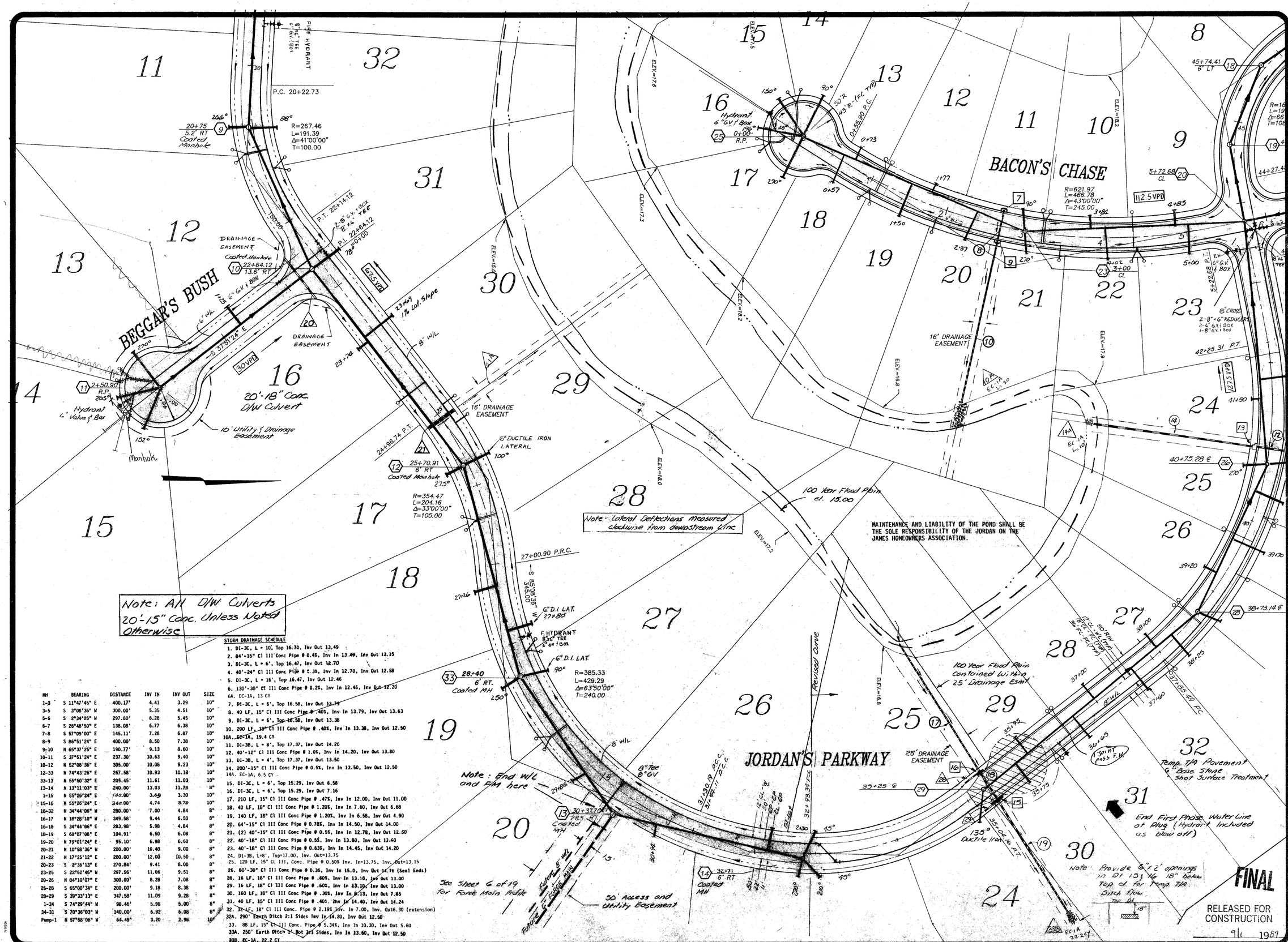

Note: All D/W Culverts 20'-15" Conc. Unless Noted Otherwise

STORM DRAINAGE SCHEDULE

1. DI-3C, L = 10', Top 16.70, Inv Out 13.49
2. 84'-15" Cl III Conc Pipe @ 0.4%, Inv In 13.49, Inv Out 13.15
3. DI-3C, L = 6', Top 16.47, Inv Out 12.70
4. 40'-24" Cl III Conc Pipe @ 0.3%, Inv In 12.70, Inv Out 12.58
5. DI-3C, L = 16', Top 16.47, Inv Out 12.46
6. 130'-30" Cl III Conc Pipe @ 0.2%, Inv In 12.46, Inv Out 12.20

6A. EC-1A, 13 CY

7. DI-3C, L = 6', Top 16.58, Inv Out 13.79
8. 40 LF, 15" Cl III Conc Pipe @ .40%, Inv In 13.79, Inv Out 13.63
9. DI-3C, L = 6', Top 16.58, Inv Out 13.38
10. 200 LF, 18" Cl III Conc Pipe @ .40%, Inv In 13.38, Inv Out 12.50

10A. EC-1A, 19.4 CY

11. DI-3B, L = 8', Top 17.37, Inv Out 14.20
12. 40'-12" Cl III Conc Pipe @ 1.0%, Inv In 14.20, Inv Out 13.80
13. DI-3B, L = 4', Top 17.37, Inv Out 13.50
14. 200'-15" Cl III Conc Pipe @ 0.5%, Inv In 13.50, Inv Out 12.50

14A. EC-1A, 6.5 CY

15. DI-3C, L = 6', Top 15.29, Inv Out 6.58
16. DI-3C, L = 6', Top 15.29, Inv Out 7.16
17. 210 LF, 15" Cl III Conc Pipe @ .47%, Inv In 12.00, Inv Out 11.00
18. 40 LF, 18" Cl III Conc Pipe @ 1.20%, Inv In 7.60, Inv Out 6.68
19. 140 LF, 18" Cl III Conc Pipe @ 1.20%, Inv In 6.58, Inv Out 4.90
20. 64'-15" Cl III Conc Pipe @ 0.78%, Inv In 14.50, Inv Out 14.00
21. (2) 40'-15" Cl III Conc Pipe @ 0.5%, Inv In 12.78, Inv Out 12.60
22. 40'-18" Cl III Conc Pipe @ 0.5%, Inv In 13.80, Inv Out 13.60
23. 40'-18" Cl III Conc Pipe @ 0.63%, Inv In 14.45, Inv Out 14.20
24. DI-3B, L=8', Top=17.00, Inv. Out=13.75
25. 120 LF, 15" CL III, Conc. Pipe @ 0.50% Inv. In=13.75, Inv. Out=13.15
26. 80'-30" Cl III Conc Pipe @ 0.3%, Inv In 15.0, Inv Out 14.76 (Seal Ends)
28. 16 LF, 18" Cl III Conc Pipe @ .60%, Inv In 13.10, Inv Out 13.00
29. 16 LF, 18" Cl III Conc Pipe @ .60%, Inv In 13.10, Inv Out 13.00
30. 160 LF, 18" Cl III Conc Pipe @ .30%, Inv In 8.13, Inv Out 7.65
31. 40 LF, 15" Cl III Conc Pipe @ .40%, Inv In 14.40, Inv Out 14.24
32. 32 LF, 18" Cl III Conc. Pipe @ 2.19% Inv. In 7.00, Inv. Out6.30 (extension)

32A. 290' Earth Ditch 2:1 Sides Inv In 14.20, Inv Out 12.50

33. 88 LF, 15" Cl III Conc. Pipe @ 5.34%, Inv In 10.30, Inv Out 5.60

33A. 250' Earth Ditch 1' Bot 2:1 Sides, Inv In 13.60, Inv Out 12.50

33B. EC-1A, 22.2 CY

MH	BEARING	DISTANCE	INV IN	INV OUT	SIZE
1-3	S 11°47'45" E	400.17'	4.41	3.29	10"
3-5	S 3°08'36" W	300.00'	5.35	4.51	10"
5-6	S 2°34'25" W	297.80'	6.28	5.45	10"
6-7	S 26°48'50" E	138.08'	6.77	6.38	10"
7-8	S 57°09'00" E	145.11'	7.28	6.87	10"
8-9	S 86°51'24" E	400.00'	8.50	7.38	10"
9-10	N 65°37'25" E	190.77'	9.13	8.60	10"
10-11	S 37°51'24" E	237.30'	10.63	9.40	10"
10-12	N 52°08'36" E	305.00'	10.08	9.23	10"
12-33	N 74°43'26" E	267.58'	10.93	10.18	10"
33-13	N 55°50'32" E	205.45'	11.61	11.03	10"
13-14	N 13°11'03" E	240.00'	13.03	11.78	8"
1-15	N 55°26'24" E	140.00'	3.69	3.30	10"
15-16	N 55°26'24" E	340.00'	4.74	3.79	10"
16-32	N 34°44'06" W	280.00'	7.00	4.84	8"
16-17	N 18°28'10" W	349.58'	9.44	6.50	8"
16-18	S 34°44'06" E	283.98'	5.98	4.84	8"
18-19	S 68°07'08" E	104.91'	6.50	6.08	8"
19-20	N 79°01'24" E	95.10'	6.98	6.60	8"
20-21	N 10°58'36" W	200.00'	10.40	9.00	8"
21-22	N 17°25'12" E	200.00'	12.00	10.50	8"
20-23	S 2°36'13" E	270.84'	9.41	8.00	8"
23-25	S 22°52'46" W	297.56'	11.06	9.51	8"
20-26	N 84°10'07" E	300.00'	8.28	7.08	8"
26-28	S 65°00'34" E	200.00'	9.18	8.38	8"
28-29	S 39°23'13" E	347.58'	11.09	9.28	8"
1-34	S 74°29'44" W	98.46'	5.98	5.00	8"
34-31	S 70°36'03" W	140.00'	6.92	6.08	8"
Pump-1	N 57°58'06" W	64.49'	3.20	2.98	10"

J. K. TIMMONS & ASSOCIATES, P.C.
ENGINEERS · SURVEYORS · PLANNERS
711 NORTH COURTHOUSE ROAD
RICHMOND, VIRGINIA 23235
TELEPHONE: (804) 794-3500
8803 STAPLES MILL ROAD
RICHMOND, VIRGINIA 23228
TELEPHONE: (804) 262-7396
411 EAST BROADWAY
HOPEWELL, VIRGINIA 23860
TELEPHONE: (804) 458-8695

JORDAN ON THE JAMES
BLAND DISTRICT
PRINCE GEORGE CO., VA

DEVELOPMENT PLAN

12/5/88
2/13/89
8/7/89

REVISIONS

COMMONWEALTH OF VIRGINIA
Walter M. Altman III
WALTER M. ALTMAN III
LICENSE No. 11039
PROFESSIONAL ENGINEER

STAMP

1"=50'

SCALE

ADH

DRAWN BY

08-15-88

DATE DRAWN

WMA III

DESIGNED

WMA III

CHECKED

14 OF 15

SHEET NUMBER

8707-04

JOB NUMBER