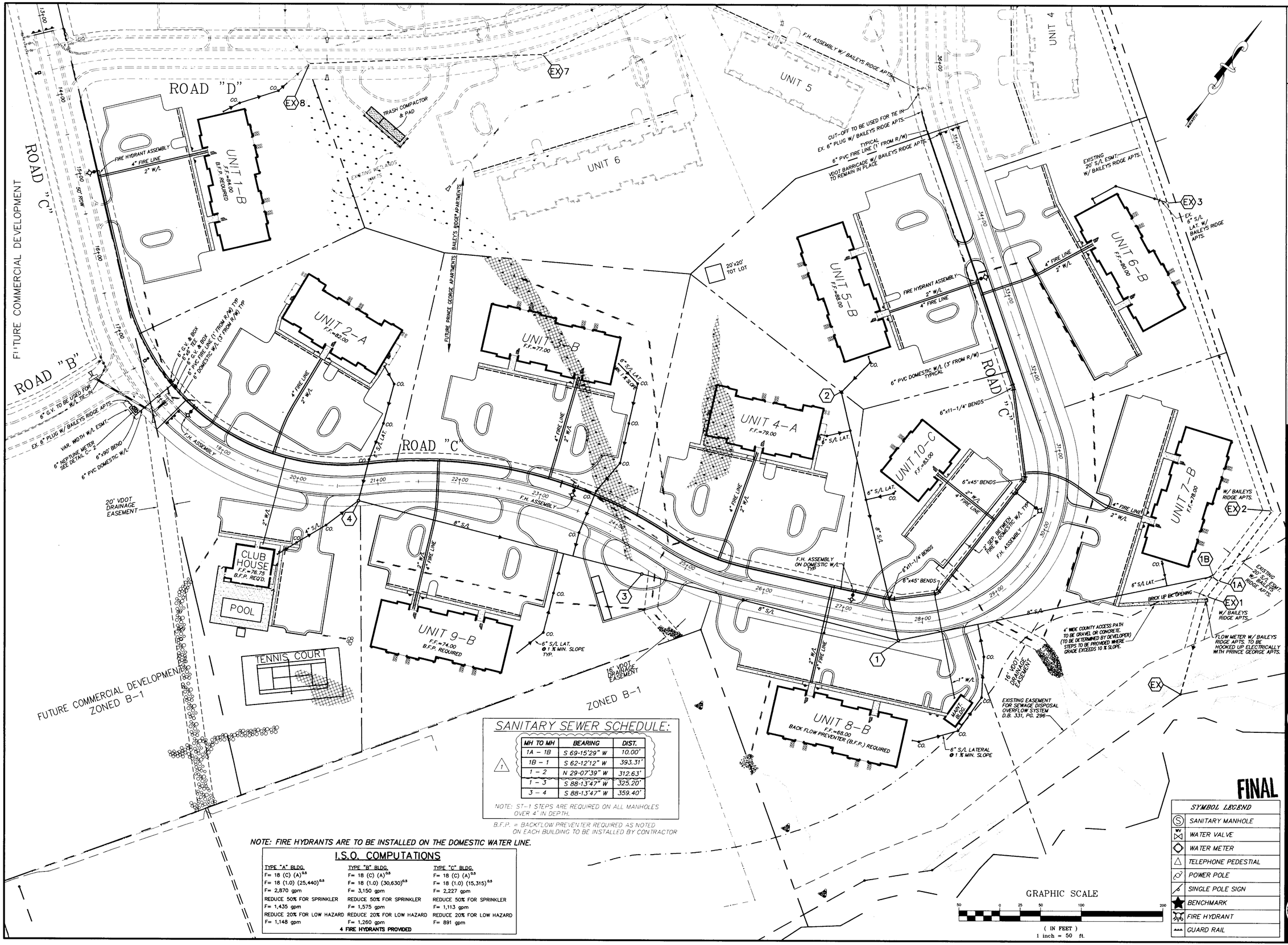

SANITARY SEWER SCHEDULE:

MH TO MH	BEARING	DIST.
1A – 1B	S 69-15'29" W	10.00'
1B – 1	S 62-12'12" W	393.31'
1 – 2	N 29-07'39" W	312.63'
1 – 3	S 88-13'47" W	325.20'
3 – 4	S 88-13'47" W	359.40'

NOTE: ST-1 STEPS ARE REQUIRED ON ALL MANHOLES OVER 4' IN DEPTH.

B.F.P. = BACKFLOW PREVENTER REQUIRED AS NOTED ON EACH BUILDING TO BE INSTALLED BY CONTRACTOR

NOTE: FIRE HYDRANTS ARE TO BE INSTALLED ON THE DOMESTIC WATER LINE.

I.S.O. COMPUTATIONS

TYPE "A" BLDG.	TYPE "B" BLDG.	TYPE "C" BLDG.
F= 18 (C) $(A)^{0.5}$	F= 18 (C) $(A)^{0.5}$	F= 18 (C) $(A)^{0.5}$
F= 18 (1.0) $(25,440)^{0.5}$	F= 18 (1.0) $(30,630)^{0.5}$	F= 18 (1.0) $(15,315)^{0.5}$
F= 2,870 gpm	F= 3,150 gpm	F= 2,227 gpm
REDUCE 50% FOR SPRINKLER	REDUCE 50% FOR SPRINKLER	REDUCE 50% FOR SPRINKLER
F= 1,435 gpm	F= 1,575 gpm	F= 1,113 gpm
REDUCE 20% FOR LOW HAZARD	REDUCE 20% FOR LOW HAZARD	REDUCE 20% FOR LOW HAZARD
F= 1,148 gpm	F= 1,260 gpm	F= 891 gpm

4 FIRE HYDRANTS PROVIDED

FINAL

SYMBOL LEGEND
SANITARY MANHOLE
WATER VALVE
WATER METER
TELEPHONE PEDESTIAL
POWER POLE
SINGLE POLE SIGN
BENCHMARK
FIRE HYDRANT
GUARD RAIL

THIS DRAWING PREPARED AT THE PRINCE GEORGE COUNTY OFFICE

COMMONWEALTH OF VIRGINIA
DERRICK A. JOHNSON
No. 24761
4-22-99
PROFESSIONAL ENGINEER

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DATE	REVISION DESCRIPTION
7-7-98	BAILEY'S RIDGE APT. REVISIONS
3-15-99	COUNTY AND VDOT COMMENTS
4-15-99	ADDED MANHOLE 1A
4-20-99	ADDED MH 1B, FIRE HYD. AT EACH END OF W/L, 6" METER

TIMMONS Founded 1955

ENGINEERS * SURVEYORS * PLANNERS * LANDSCAPE ARCHITECTS * ENVIRONMENTAL SCIENTISTS * GEOGRAPHIC INFORMATION SYSTEMS CONSULTANTS * CONSTRUCTION MANAGERS

PRINCE GEORGE APARTMENTS

BLAND DISTRICT • PRINCE GEORGE COUNTY, VIRGINIA

UTILITY PLAN

DATE	4-15-98
DRAWN BY	L. GILLIAM
DESIGNED BY	L. GILLIAM
CHECKED BY	D. JOHNSON
SCALE	1" = 50'
JOB NO.	17713
SHEET NO.	C-4

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