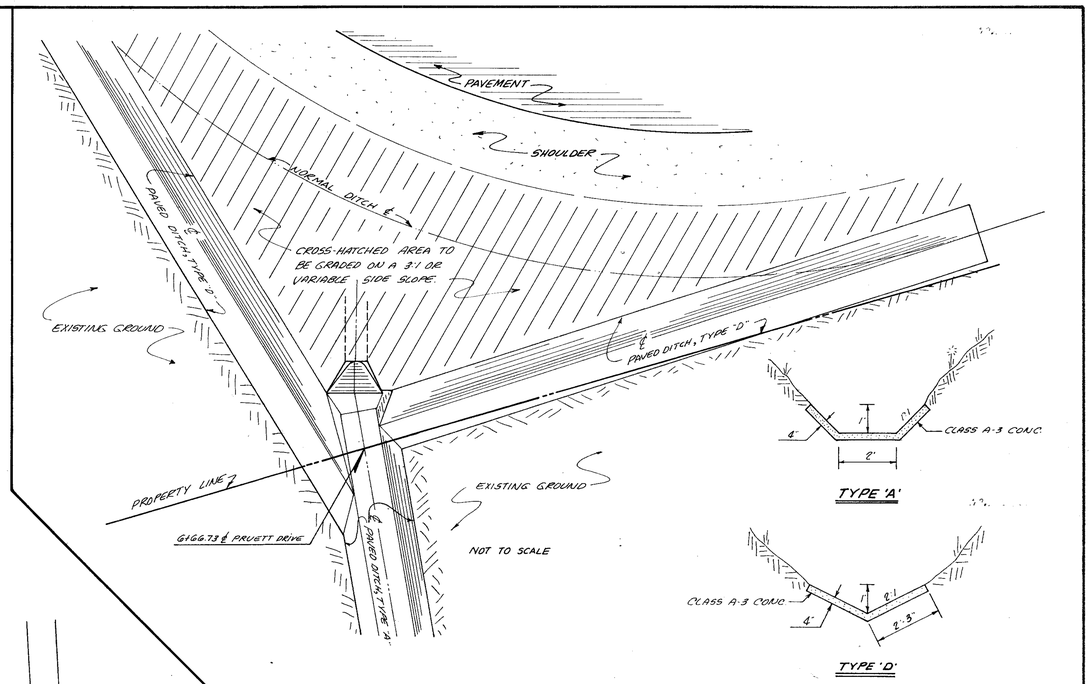
STRUCT. NO.	HYD. GRADE LINE ELEV.
2	72.75
4	70.67
9	74.14
11	71.78

DRAINAGE CALCULATIONS

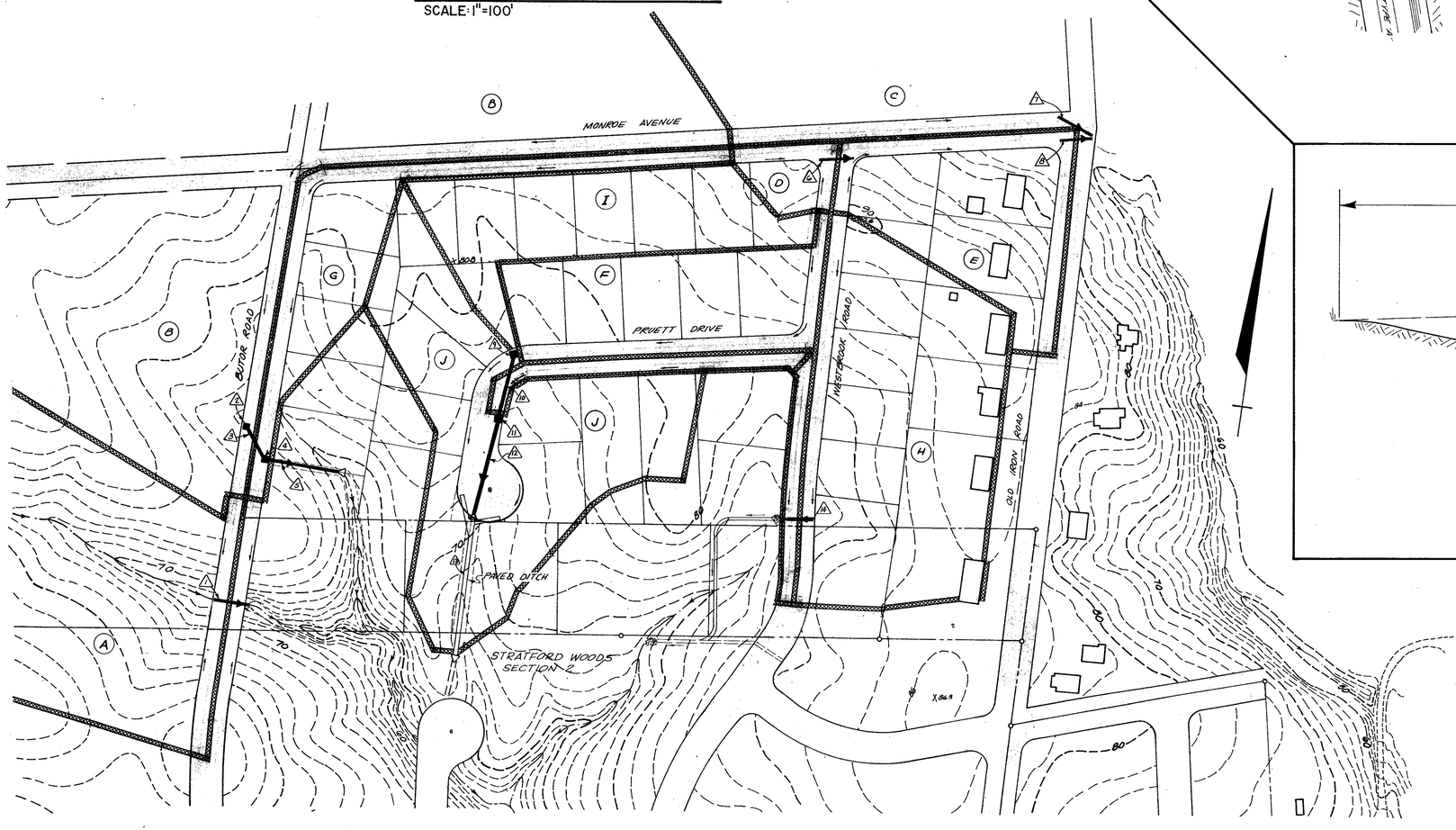
HYDROLOGY									CULVERTS										CHANNELS			REMARKS
									INLET		OUTLET							OUT				
STRUCT.	AREA	ACRES	"C"	Tc	I2	Q2	I10	Q10	SIZE	HW	Ke	Tw	$\frac{dc+D}{2}$	ho	H	LSo	HW	CONTROL HW	VEL	"N"	V2	D10	
1	A	18.77	0.45	20	3.2	19.83	5.0	30.98	30"	36"									12				
3	B	18.37	0.45	20	3.2	26.45	5.0	41.33	30"														EC-1 REQ'D @ OUTLET
5	B & G	19.98	0.45	15	3.5	31.47	5.6	50.95	36"										6.5				
6	D	0.30	0.45	15	3.5	0.47	5.6	0.76	15"										3				EC-1 REQ'D @ OUTLET
7	C	10.79	0.45	15	3.5	16.99	5.6	27.19	36"x22"	36"													
8	D & E	2.02	0.45	15	3.5	3.18	5.6	5.09	18"										8				C.M. ARCH PIPE
10	F & I	3.10	0.45	15	3.5	4.88	5.6	7.81	18"														EC-1 REQ'D @ OUTLET
12	F & I	3.40	0.45	15	3.5	5.35	5.6	8.57	18"	22"									5.2				
13	I, J & J	7.52	0.45	20	3.2	10.83	5.0	16.92												0.015	3.9	1.1'	
14	H	3.8	0.45	16	3.5	5.99	5.5	9.41	18"	23"									5.8				TYPE 'A' PAVED DITCH
																							EC-1A REQ'D @ OUTLET

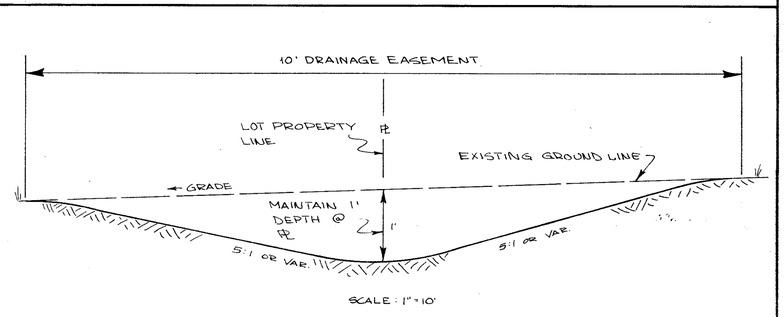


PAVED DITCH DETAIL

SITE HYDRAULIC ANALYSIS

SCALE: 1"=100'





YARD SWALE DETAIL

L-E	Legat, Elrod & Associates, Inc. Consulting Engineers/Surveyors Hopewell, Virginia	Date: 25 JULY 1978 Scale: 1" = 100' Drawn: MDB Checked: MLE
STRATFORD WOODS SECTION 4 PRINCE GEORGE COUNTY		Revisions JULY 16, 1979
HYDRAULIC ANALYSIS & DETAILS		Proj. No. 7705-22
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