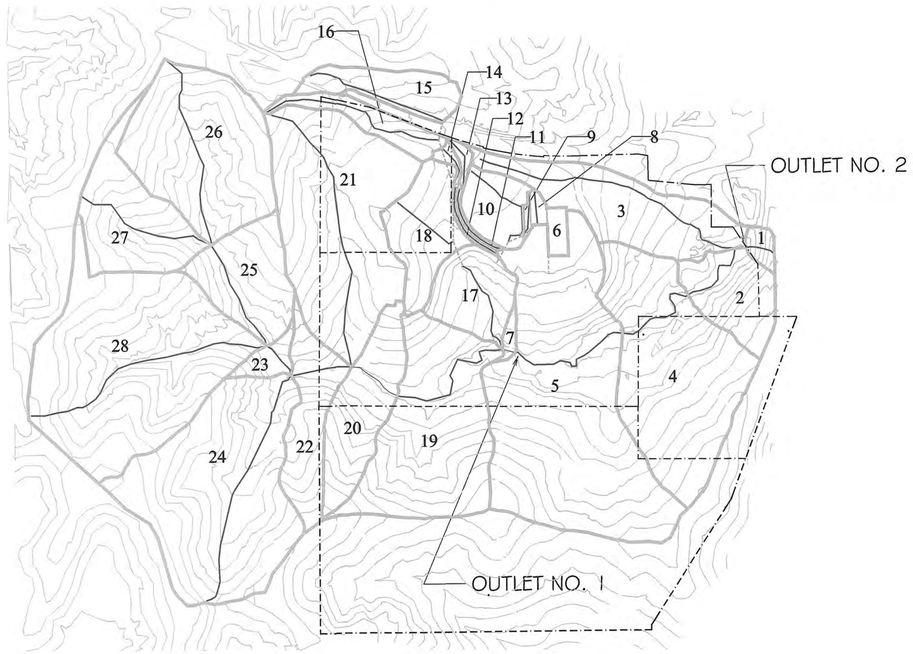
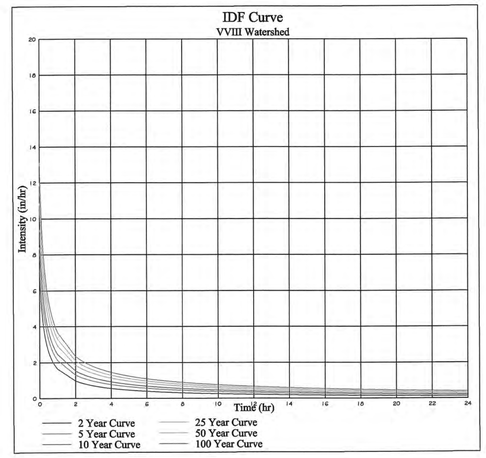
SUB-BASINS FOR VVIII WATERSHED

SCENERIO: ORIGINAL GROUND



RAINFALL IDF CURVES FOR PARKVILLE, MISSOURI



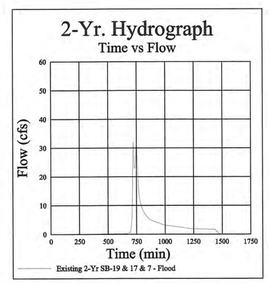
AVAILABLE HYDROGRAPHS

UH = UNIT HYDROGRAPH CF = COMPUTED FLOOD CB = COMBINED RT = ROUTED

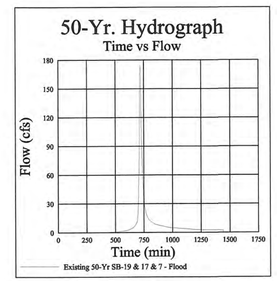
2 YR	50 YR	UH	CF	SUB BASIN NO.	2 YR	50 YR	UH	CF	SUB BASIN NO.
X	X	X	X	1	X	X		X	CB 26 & 27
X	X	X	X	2	X	X		X	RT 26 & 27
X	X	X	X	3	X	X		X	CB 28 & 25 & RT 26 & 27
X	X	X	X	4	X	X		X	RT 28 & 25
X	X	X	X	5	X	X		X	CB 24 & 23 & RT 28 & 25
X	X	X	X	6	X	X		X	RT 24 & 23
X	X	X	X	7	X	X		X	CB 22 & 21 & RT 24 & 23
X	X	X	X	8	X	X		X	RT 22 & 21
X	X	X	X	9	X	X		X	CB 13 THRU 16 & 18
X	X	X	X	10	X	X		X	CB 8 THRU 12
X	X	X	X	11	X	X		X	RT 13 THRU 16 & 18
X	X	X	X	12	X	X		X	RT 8 THRU 12
X	X	X	X	13	X	X		X	CB 19 & 17 & 7 & RT 8 THRU 18 (OUTLET #1)
X	X	X	X	14	X	X		X	RT 19 & 17 & 7
X	X	X	X	15	X	X		X	RT 6
X	X	X	X	16	X	X		X	CB 5 & RT 19 & 17 & 7 & RT 6
X	X	X	X	17	X	X		X	RT 5
X	X	X	X	18	X	X		X	CB 4 & RT 5
X	X	X	X	19	X	X		X	RT 4
X	X	X	X	20	X	X		X	CB 2 & RT 4
X	X	X	X	21	X	X		X	CB 1 THRU 3 & RT 4 (OUTLET #2)
X	X	X	X	22					
X	X	X	X	23					
X	X	X	X	24					
X	X	X	X	25					
X	X	X	X	26					
X	X	X	X	27					
X	X	X	X	28					

HYDROGRAPHS - OUTLET NO. 1

IN DRAINAGE CHANNEL AT PROPOSED NEW NORTH - SOUTH ROAD CROSSING
(SUB-BASINS 7 THRU 28)



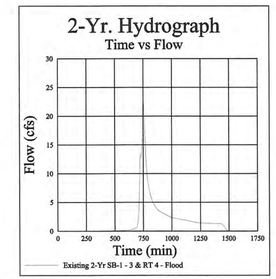
25
Existing 2-Yr SB-19 & 17 & 7
Qp= 31.91 cfs
Tp= 722.00 min



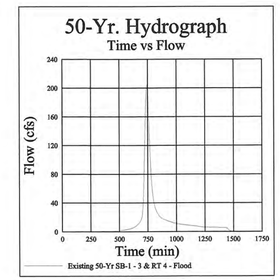
52
Existing 50-Yr SB-19 & 17 & 7
Qp= 174.72 cfs
Tp= 720.00 min

HYDROGRAPHS - OUTLET NO. 2

EXISTING BOX CULVERT TO BRUSH CREEK
(ALL SUB-BASINS)



66
Existing 2-Yr SB-1 - 3 & RT 4
Qp= 22.10 cfs
Tp= 752.00 min



80
Existing 50-Yr SB-1 - 3 & RT 4
Qp= 204.58 cfs
Tp= 742.00 min

LAND USES FOR VVIII WATERSHED

SCENERIO: ORIGINAL GROUND

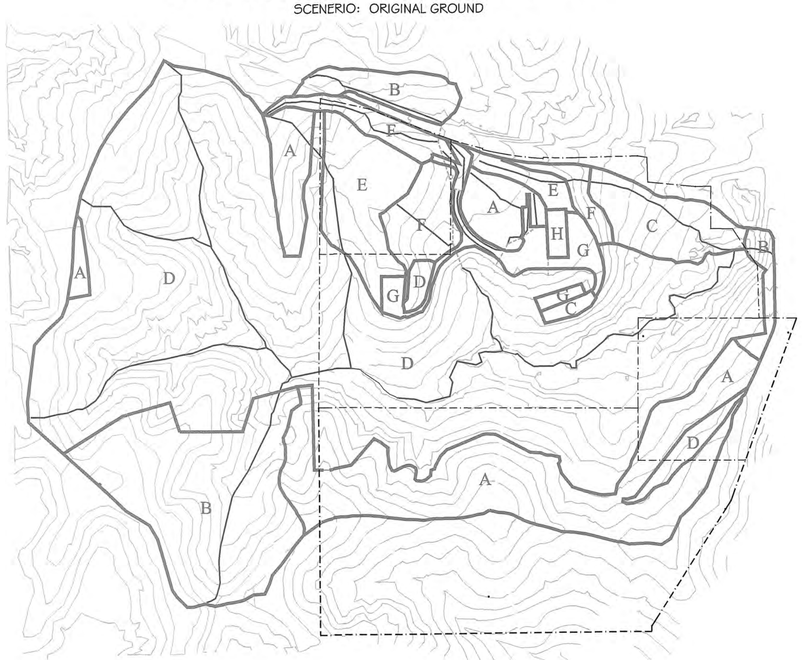


TABLE OF LAND USES

	LAND USE	CN	C
A	GRASSY FIELD - AVG. SLOPES	71	.11
B	GRASSY FIELD - STEEP SLOPES	71	.16
C	GRADED W/ VEGETATION	86	.11
D	DENSE WOODS	70	.18
E	MAINTAINED LAWN - FLAT	74	.11
F	MAINTAINED LAWN - SLOPED	74	.16
G	PAVEMENT	98	.80
H	ROOF	98	.90
J	NEWLY GRADED - FLAT	91	.11

DRAWN BY: BS	APPROVED BY:	REVISIONS	
DATE: 1/19/05	PROJ. NO. 05VV3		
DWG. NO.: 05VV3-H1	DWG. FILE: DWG\VVIII\AC\05VV3-H1.DWG		
SCALE: 1" = 300'			

TERRADYNE, LTD.
18203 N.W. 45 HIGHWAY
KANSAS CITY, MO 64152
FOR U.S. MAIL ONLY: P.O. BOX 190, WALDRON, MO 64092
PH: (816) 891-8800
FX: (816) 891-8899

PROJECT: I-435 & MO HWY 45 DEVELOPMENT

SHT. NAME: SUMMARY OF WATERSHED ANALYSIS FOR VERTICAL VENTURES III, LLC PROPERTY ORIGINAL GROUND

SHT. NO. H1