RUNOFF IN AND OUT OF PONDS SHOWN FROM M.D.D.P. CALCULATIONS (INTERIM) CONDITIONS. FINAL DRAINAGE REPORT DESIGN POINTS AND PIPE RUNS REPRESENT WORST CASE SITUATION FOR ACCURATE & CONSERVATIVE PIPE AND INLET SIZING, PROVIDING DESIGN POINTS AT THE PONDS WITHIN THIS ANALYSIS WOULD REPRESENT A FLOW CONDITION THAT WILL NEVER EXIST. REFER TO M.D.D.P. FOR MORE DETAILS.

DESIGN POINTS - FILING 1 & 2 CONDITIONS (INTERIM)

Design Point (label)	Q 2 Yr. Q (cfs) Ponding (ft)	Q 5 Yr. Q (cfs) Ponding (ft)	Q 10 Yr. Q (cfs) Ponding (ft)	Q 25 Yr. Q (cfs) Ponding (ft)	Q 50 Yr. Q (cfs) Ponding (ft)	Q 100 Yr. Q (cfs) Ponding (ft)
EK3B IN	36.82	69.67	95.04	138.26	171.99	206.51
EK3B OUT	0.21 / 6634.00	1.29 / 6635.52	2.89 / 6635.75	7.93 / 6636.60	11.42 / 6637.37	18.13 / 6638.17
EK4A IN	21.71	30.06	35.61	43.88	49.37	54.84
EK4A OUT	0.35 / 6636.28	2.49 / 6636.63	5.78 / 6636.96	14.61 / 6637.41	22.64 / 6637.65	30.64 / 6637.85
BS-1 IN	5.85	15.18	24.43	42.60	57.33	73.71
BS-1 OUT	0.54 / 6668.79	0.91 / 6669.83	1.16 / 6670.54	1.37 / 6671.85	1.70 / 6672.75	3.79 / 6673.17
BS-3T IN	32.22	53.50	71.97	103.15	125.49	149.13
BS-3T OUT	0.70 / 6626.56	4.77 / 6627.29	11.45 / 6627.82	25.06 / 6628.64	36.42 / 6629.21	49.80 / 6629.78

1.89' Normal Depth
5.7'
3:1 MAX
3:1 MAX
2' W.S.E. 100-YR
7.5' MIN.
SWALE 'A' CROSS SECTION

2.59' Normal Depth
3.34'
3:1 MAX
3:1 MAX
2' W.S.E. 100-YR
7.5' MIN.
SWALE 'B' CROSS SECTION

PRIVATE TEMPORARY POND BS-3T

SEE APPENDIX IN FINAL DRAINGE REPORT FOR TEMPORARY SWALE CALCULATIONS AND SPECIFICS

TEMPORARY SWALE 'A' Q5 = 77 cfs Q100 = 153 cfs

TEMPORARY SWALE 'B' Q5 = 175 cfs Q100 = 329 cfs

BLACK SQUIRREL CREEK

FOR INFORMATION ON BLACK SQUIRREL CREEK IMPROVEMENTS SEE "FINAL DESIGN REPORT FOR ALLISON VALLEY ON-SITE REACHES OF BLACK SQUIRREL CREEK AND MIDDLE TRIBUTARY CREEK CHANNEL IMPROVEMENTS," JUNE 2007, BY CLASSIC CONSULTING.

FEDERAL DRIVE

PUBLIC DETENTION POND BS-1T

STORM WITHIN FEDERAL DRIVE IS A PUBLIC. SEE CONSTRUCTION DRAWINGS AND DRAINAGE REPORT TEXT FOR MORE SPECIFIC BREAKDOWN OF PUBLIC/PRIVATE STORM

PROPOSED PUBLIC IMPROVEMENT EASMENT

STORM WITHIN NEW LIFE DRIVE IS A PUBLIC. SEE CONSTRUCTION DRAWINGS AND DRAINAGE REPORT TEXT FOR MORE SPECIFIC BREAKDOWN OF PUBLIC/PRIVATE STORM

NEW LIFE DRIVE

STORM CONVEYING FLOW FROM FEDERAL DRIVE IS A PUBLIC. REMAINDER OF MAIN IS PRIVATE.

PUBLIC INLETS IN FEDERAL

RAMPART HILLS VIEW

PRIVATE DETENTION POND EK-4

PRIVATE DETENTION POND EK-3B

PRIVATE STORM MAIN

INTERQUEST PARKWAY

VOYAGER PARKWAY

XX 3.3 Ac.
WW 2.9 Ac.
VV 1.7 Ac.
TT 1.2 Ac.
DDD 0.6 Ac.
UU 0.8 Ac.
SS 1.9 Ac.
MM 0.5 Ac.
2A–A 3.9 Ac.
2A–B 24.6 Ac.
LL 0.6 Ac.
RR 0.6 Ac.
CC 1.2 Ac.
EE 0.11 Ac.
KK 0.9 Ac.
II 0.7 Ac.
HH 0.7 Ac.
JJ 1.1 Ac.
GG 0.9 Ac.
FF 0.5 Ac.
AA 0.05 Ac.
W 0.4 Ac.
BB 0.5 Ac.
R 1.1 Ac.
Q 1.1 Ac.
X 0.5 Ac.
V 0.5 Ac.
Z 0.7 Ac.
U 1.0 Ac.
T 0.3 Ac.
S 0.3 Ac.
P 0.4 Ac.
N 1.2 Ac.
L 2.0 Ac.
K 0.7 Ac.
M 2.7 Ac.
I 1.1 Ac.
E 0.3 Ac.
M–2 2.7 Ac.
D 1.6 Ac.
H–2 1.2 Ac.
H–1 1.2 Ac.
H–3 1.2 Ac.
3A–A 13.4 Ac.
3E–A 12.4 Ac.
3B–A 8.7 Ac.
3D–C 5.6 Ac.
CCC 0.6 Ac.
1A–B 18.8 Ac.
1A–A 9.6 Ac.
AAA 1.2 Ac.
ZZ 1.5 Ac.
3P 3.3 Ac.
BBB 0.7 Ac.
3D–B 3.7 Ac.
3D–A 3.7 Ac.
3Mc 17.0 Ac.
3Mb 4.7 Ac.
G 0.4 Ac.
F 0.4 Ac.
A 0.7 Ac.
B 0.6 Ac.
OS–1 36.3 Ac.
OS–2 2.5 Ac.
OS–3 2.4 Ac.

RD1 0.28Ac
RD2 0.32Ac
RD3 0.27Ac
RD4 0.39Ac
RD5 0.38Ac
RD6 0.31Ac
RD7 0.23Ac
RD8 0.23Ac
RD9 0.18Ac
RD10 0.21Ac
RD11 0.19Ac
RD12 0.28Ac
RD13 0.28Ac
RD14 0.15Ac
RD15 0.17Ac
RD16 0.43Ac

N
100' 50' 0 100' 200'
SCALE: 1" = 100'

MARKETPLACE AT INTERQUEST
FILING NO. 1 & 2
FINAL DRAINAGE REPORT

SHEET 1 OF 2

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SCANNED