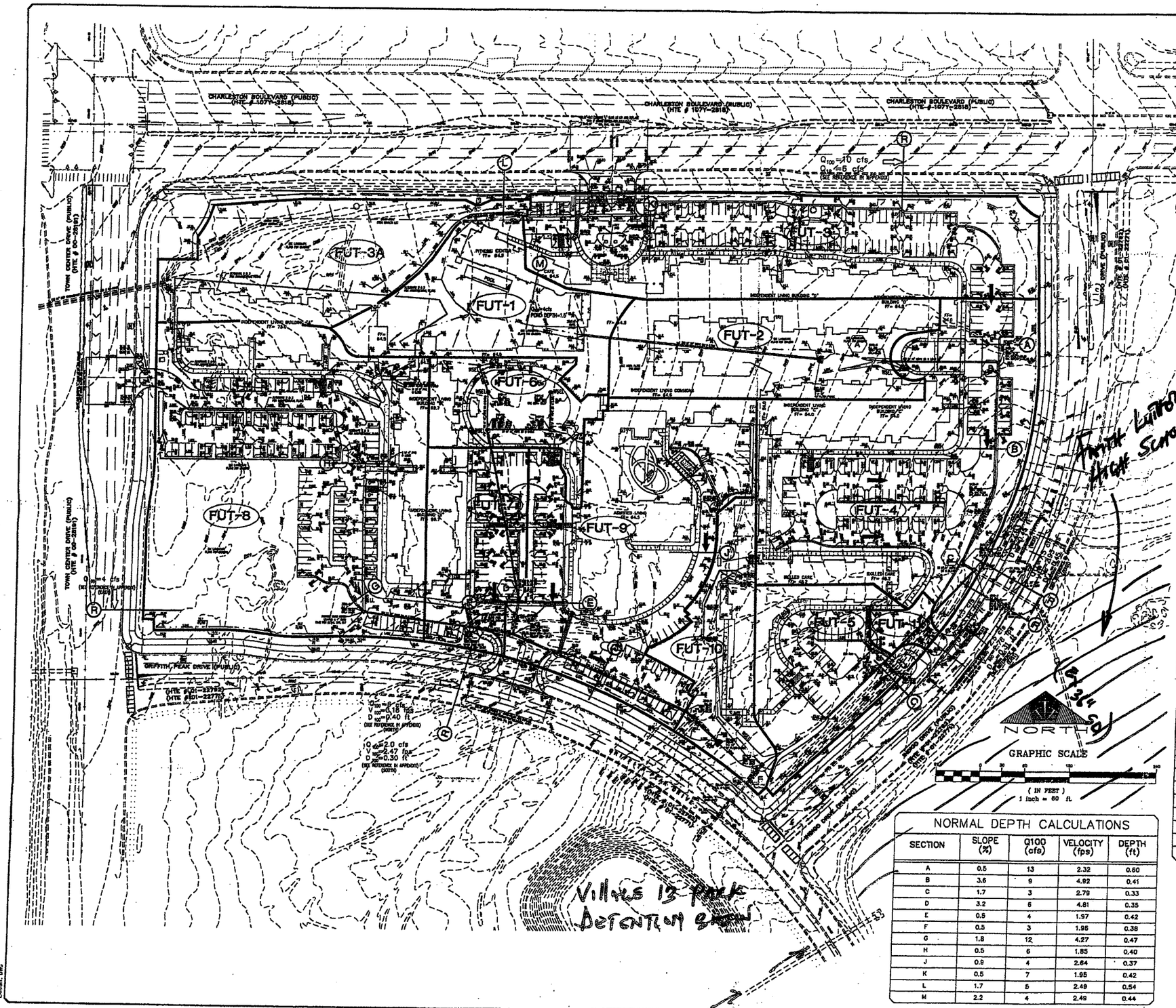

LEGEND:

- (FUT-1) DRAINAGE BASIN IDENTIFICATION
- DRAINAGE BASIN BOUNDARY
- (A) CONCENTRATION POINT
- FLOW DIRECTION
- OFF-SITE FLOWS
- ON-SITE FLOWS
- (E) CROSS SECTION WHERE FLOW DEPTH CALCULATED

WSEL 100 - YR WSEL

STORM FLOW SUMMARY PROPOSED CONDITIONS

CONCENTRATION POINT	Q10 (CFS)	Q100 (CFS)
A	5	10
B	12	24
C	17	34
D	9	17
E	NOT USED	NOT USED
F	14	29

STORM FLOW SUMMARY PROPOSED CONDITIONS

BASIN	AREA (ACRES)	Q10 (CFS)	Q100 (CFS)
FUT-1	1.1	2	4
FUT-2	1.4	3	5
FUT-3	2.3	4	8
FUT-3A	1.4	3	5
FUT-4	2.0	4	7
FUT-5	0.9	2	3
FUT-6	0.6	1	2
FUT-7	0.7	1	3
FUT-8	3.5	6	12
FUT-9	2.2	4	8
FUT-10	0.8	2	3
FUT-11	0.1	0	0

DROP INLETS FOR STORM DRAIN SYSTEM

DI #	Q100	SIZE (LxW)	DEPTH POND (FT)
DI-1	12	3 x 3	0.76
DI-2	0.9	2 x 3	0.28
DI-3	8.0	3 x 3	0.58
DI-4	3.0	2 x 2 (MIN.)	0.40
DI-5	29	4 x 4	1.13
DI-6	3	2 x 3	0.34
DI-7	9	4 x 4	0.52
DI-8	6.3	3 x 2	0.41
DI-9	5.8	3 x 2	0.60
DI-10	10	4 x 4	0.70
DI-11	0.5	2 x 2	0.12
DI-12	0.5	2 x 2	0.12
DI-13	0.5	2 x 2	0.12
DI-14	0.5	2 x 2	0.12
DI-15	0.5	2 x 2	0.12
---	---	---	---
DI-17 *	1	2 x 2	0.19
DI-18 *	1	2 x 2 (MIN.)	0.19

* THESE DI'S WILL BE USED FOR NUISANCE & OVERFLOW

NORMAL DEPTH CALCULATIONS

SECTION	SLOPE (%)	Q100 (cfs)	VELOCITY (fps)	DEPTH (ft)
A	0.5	13	2.32	0.60
B	3.6	9	4.92	0.41
C	1.7	3	2.79	0.33
D	3.2	6	4.81	0.35
E	0.5	4	1.97	0.42
F	0.5	3	1.96	0.38
G	1.8	12	4.27	0.47
H	0.5	6	1.85	0.40
J	0.9	4	2.64	0.37
K	0.5	7	1.95	0.42
L	1.7	5	2.49	0.54
M	2.2	4	2.49	0.44

NO.	DESCRIPTION	DATE	APP'D

DATE : 1/14/02
PM : C. HUGH
DRAWN BY : S.SERFENT
DESIGNED BY S. SERFENT
CHECKED BY : C. HUGH
ADA CHECKED :
JOB NO. : 0294.0002
SCALE : 1" = 60'

PENTACORE
CIVIL ENGINEERING • LAND SURVEYING • PLANNING
CONSTRUCTION MANAGEMENT • ENVIRONMENTAL CONSULTING
6763 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89146 (702)258-0115

WESTPORT / GREYSTONE COMMUNITIES
LAS VENTANAS
STORM FLOW SUMMARY PROPOSED CONDITIONS

FIGURE 4
REVISED
1/14/02

SHEET C1
1 OF 1
DRAWING No.

Call before you OVERHEAD 1-702-593-6111

Call before you Dig. 1-800-227-2600

AUG 0 6 2002 JUL 2 6 2002 JAN 1 7 2002

EXHIBIT.DWG