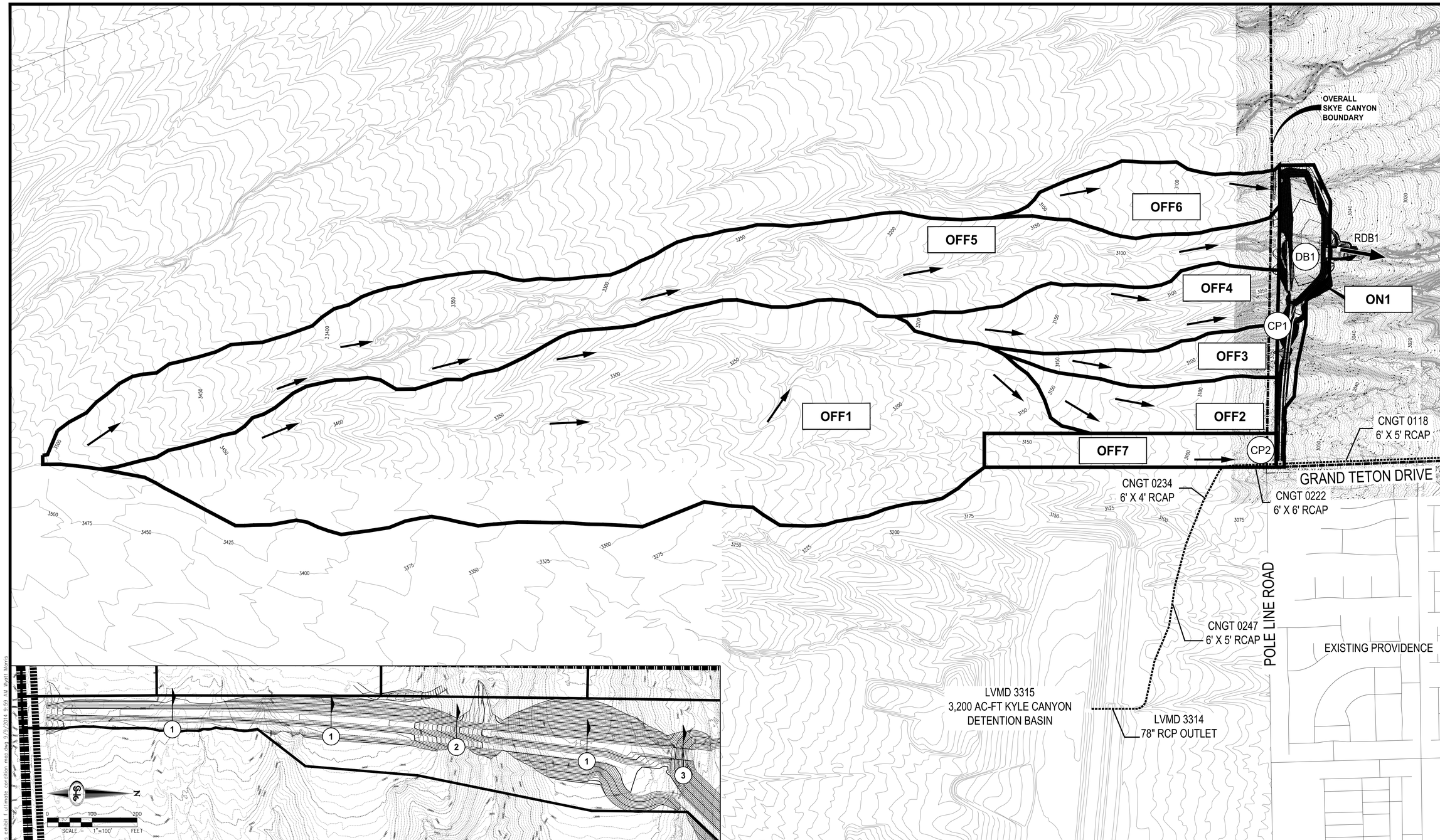

Main Inflow Channel (Ultimate Condition)				
Section ID	Q_{100} (cfs)	Slope (%)	Depth (ft)	Velocity (ft/s)
1	471	0.5	2.43	10.03
2	471	10.0	1.08	28.63
3	471	33.3	0.52	36.09

100-Year Basin Flow Rate Summary (Ultimate Condition)		
Basin ID	Area (ac)	Q_{100} (cfs)
OFF1	260.7	403
OFF2	22.7	48
OFF3	16.6	38
OFF4	37.2	84
OFF5	164.4	236
OFF6	25.6	59
OFF7	18.0	55
ON1	16.7	47

Concentration Points Summary (Ultimate Condition)		
Basin/Concentration Point ID	Area (sq-mi)	Q_{100} (cfs)
CP1 *(OFF1 + OFF2 + OFF3 + OFF7)*	0.50	471
CP2 *(OFF1 + OFF7)*	0.44	420
DB1 *(CP1 + OFF4 + OFF5 + OFF6 + ON1)*	0.88	794
RDB1 *(Detention Basin Outflow)*	0.88	71

LEGEND

- BASIN BOUNDARY
- OFF1 — BASIN ID
- FLOW DIRECTION
- ID — CONCENTRATION POINT
- EXISTING FACILITY
- OVERALL SKYE CANYON BOUNDARY
- 1 — CROSS SECTION

N

0 400 800
SCALE - 1"=400' FEET

SLATER HANIFAN GROUP
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NO.	DESCRIPTION	DATE	BY	APP DATE	APP

NINETY-FIVE MANAGEMENT, LLC.

SKYE CANYON - DETENTION BASIN 1
ULTIMATE CONDITION DRAINAGE MAP

DATE: SEPT 2014
DRAFTER: WTM
DESIGNER: WTM
CHECKED: SMJ

PROJECT NO.
OLY1401.004

EXHIBIT F
SHEET 1 OF 1

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