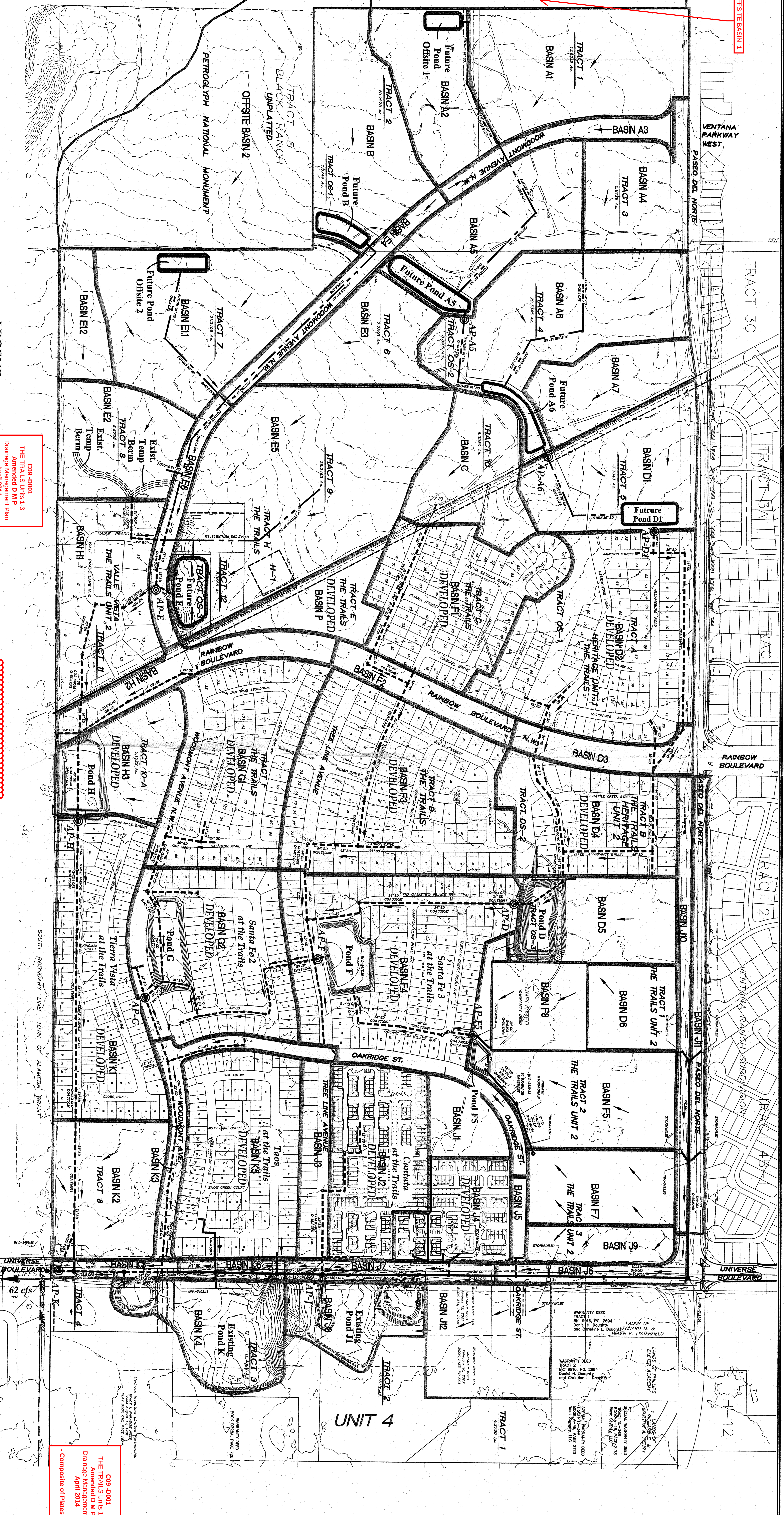


OFFSITE BASIN 1

OFFSITE BASIN 1

TRACT 5
BLACK RANCH
UNPLATTED

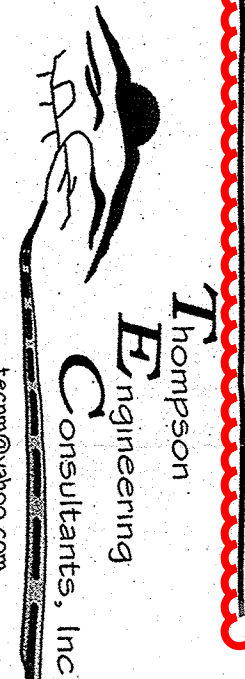


LEGEND

- NOTES:
1. STORM DRAIN SIZES BASED ON 100-YR. 24-HR. STORM FLOWS. FUTURE PROJECTS MAY BE REQUIRED TO INCREASE STORM DRAIN SIZES BASED ON 100-YR. 24-HR. STORM FLOWS.
 2. THE ANTICIPATED FUTURE CONTRIBUTION FROM THE TRAILS UNIT 1 IS 30 CFS TO THE MAXIMUM DOWNSTREAM DISCHARGE OF 60 CFS IN UNIVERSE BLVD.
- ANALYSIS POINT
EXISTING STORM DRAIN
FLOW DIRECTION
FUTURE DEVELOPED STORM DRAIN
- SCALE: 200' 100' 0' 200' 400'

C09-0001
THE TRAILS UNIT 1.3
Drainage Management Plan
April 2014
Composite of Plates 1 & 2.

DATUM NAVD 1929



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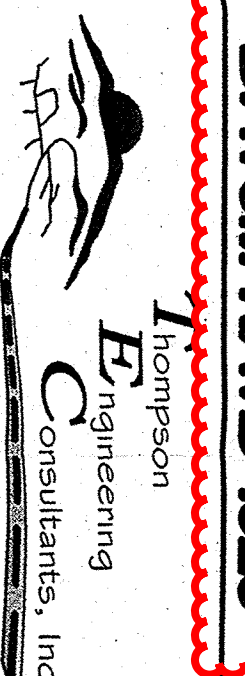
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FLOW DIRECTION
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C09-0001
THE TRAILS UNIT 1.3
Drainage Management Plan
April 2014
Composite of Plates 1 & 2.

DEVELOPED DRAINAGE BASIN CHARACTERISTICS

BASIN	AREA	LAND TREATMENT	Q	Q ₁₀	Q ₁₀₀
1	1.50	1	1.50	1.50	1.50
2	1.50	1	1.50	1.50	1.50
3	1.50	1	1.50	1.50	1.50
4	1.50	1	1.50	1.50	1.50
5	1.50	1	1.50	1.50	1.50
6	1.50	1	1.50	1.50	1.50
7	1.50	1	1.50	1.50	1.50
8	1.50	1	1.50	1.50	1.50
9	1.50	1	1.50	1.50	1.50
10	1.50	1	1.50	1.50	1.50
11	1.50	1	1.50	1.50	1.50
12	1.50	1	1.50	1.50	1.50
13	1.50	1	1.50	1.50	1.50
14	1.50	1	1.50	1.50	1.50
15	1.50	1	1.50	1.50	1.50
16	1.50	1	1.50	1.50	1.50
17	1.50	1	1.50	1.50	1.50
18	1.50	1	1.50	1.50	1.50
19	1.50	1	1.50	1.50	1.50
20	1.50	1	1.50	1.50	1.50
21	1.50	1	1.50	1.50	1.50
22	1.50	1	1.50	1.50	1.50
23	1.50	1	1.50	1.50	1.50
24	1.50	1	1.50	1.50	1.50
25	1.50	1	1.50	1.50	1.50
26	1.50	1	1.50	1.50	1.50
27	1.50	1	1.50	1.50	1.50
28	1.50	1	1.50	1.50	1.50
29	1.50	1	1.50	1.50	1.50
30	1.50	1	1.50	1.50	1.50
31	1.50	1	1.50	1.50	1.50
32	1.50	1	1.50	1.50	1.50
33	1.50	1	1.50	1.50	1.50
34	1.50	1	1.50	1.50	1.50
35	1.50	1	1.50	1.50	1.50
36	1.50	1	1.50	1.50	1.50
37	1.50	1	1.50	1.50	1.50
38	1.50	1	1.50	1.50	1.50
39	1.50	1	1.50	1.50	1.50
40	1.50	1	1.50	1.50	1.50
41	1.50	1	1.50	1.50	1.50
42	1.50	1	1.50	1.50	1.50
43	1.50	1	1.50	1.50	1.50
44	1.50	1	1.50	1.50	1.50
45	1.50	1	1.50	1.50	1.50
46	1.50	1	1.50	1.50	1.50
47	1.50	1	1.50	1.50	1.50
48	1.50	1	1.50	1.50	1.50
49	1.50	1	1.50	1.50	1.50
50	1.50	1	1.50	1.50	1.50
51	1.50	1	1.50	1.50	1.50
52	1.50	1	1.50	1.50	1.50
53	1.50	1	1.50	1.50	1.50
54	1.50	1	1.50	1.50	1.50
55	1.50	1	1.50	1.50	1.50
56	1.50	1	1.50	1.50	1.50
57	1.50	1	1.50	1.50	1.50
58	1.50	1	1.50	1.50	1.50
59	1.50	1	1.50	1.50	1.50
60	1.50	1	1.50	1.50	1.50
61	1.50	1	1.50	1.50	1.50
62	1.50	1	1.50	1.50	1.50
63	1.50	1	1.50	1.50	1.50
64	1.50	1	1.50	1.50	1.50
65	1.50	1	1.50	1.50	1.50
66	1.50	1	1.50	1.50	1.50
67	1.50	1	1.50	1.50	1.50
68	1.50	1	1.50	1.50	1.50
69	1.50	1	1.50	1.50	1.50
70	1.50	1	1.50	1.50	1.50
71	1.50	1	1.50	1.50	1.50
72	1.50	1	1.50	1.50	1.50
73	1.50	1	1.50	1.50	1.50
74	1.50	1	1.50	1.50	1.50
75	1.50	1	1.50	1.50	1.50
76	1.50	1	1.50	1.50	1.50
77	1.50	1	1.50	1.50	1.50
78	1.50	1	1.50	1.50	1.50
79	1.50	1	1.50	1.50	1.50
80	1.50	1	1.50	1.50	1.50
81	1.50	1	1.50	1.50	1.50
82	1.50	1	1.50	1.50	1.50
83	1.50	1	1.50	1.50	1.50
84	1.50	1	1.50	1.50	1.50
85	1.50	1	1.50	1.50	1.50
86	1.50	1	1.50	1.50	1.50
87	1.50	1	1.50	1.50	1.50
88	1.50	1	1.50	1.50	1.50
89	1.50	1	1.50	1.50	1.50
90	1.50	1	1.50	1.50	1.50
91	1.50	1	1.50	1.50	1.50
92	1.50	1	1.50	1.50	1.50
93	1.50	1	1.50	1.50	1.50
94	1.50	1	1.50	1.50	1.50
95	1.50	1	1.50	1.50	1.50
96	1.50	1	1.50	1.50	1.50
97	1.50	1	1.50	1.50	1.50
98	1.50	1	1.50	1.50	1.50
99	1.50	1	1.50	1.50	1.50
100	1.50	1	1.50	1.50	1.50

ANALYSIS POINT PEAK FLOWS

ANALYSIS POINT	Q ₁₀	Q ₁₀₀	Q ₁₀₀₀
AP-A	1.50	1.50	1.50
AP-B	1.50	1.50	1.50
AP-C	1.50	1.50	1.50
AP-D	1.50	1.50	1.50
AP-E	1.50	1.50	1.50
AP-F	1.50	1.50	1.50
AP-G	1.50	1.50	1.50
AP-H	1.50	1.50	1.50
AP-I	1.50	1.50	1.50
AP-J	1.50	1.50	1.50
AP-K	1.50	1.50	1.50
AP-L	1.50	1.50	1.50
AP-M	1.50	1.50	1.50
AP-N	1.50	1.50	1.50
AP-O	1.50	1.50	1.50
AP-P	1.50	1.50	1.50
AP-Q	1.50	1.50	1.50
AP-R	1.50	1.50	1.50
AP-S	1.50	1.50	1.50
AP-T	1.50	1.50	1.50
AP-U	1.50	1.50	1.50
AP-V	1.50	1.50	1.50
AP-W	1.50	1.50	1.50
AP-X	1.50	1.50	1.50
AP-Y	1.50	1.50	1.50
AP-Z	1.50	1.50	1.50

NOTE: Add 2.8 ft. to these elevations to convert from NAVD 29 to NAVD 88
Greg Olson 4/14

4-14-14
4-14-14

AMENDMENT TO DMP FOR
THE TRAILS UNITS 1, 2 AND 3
PLATE 2