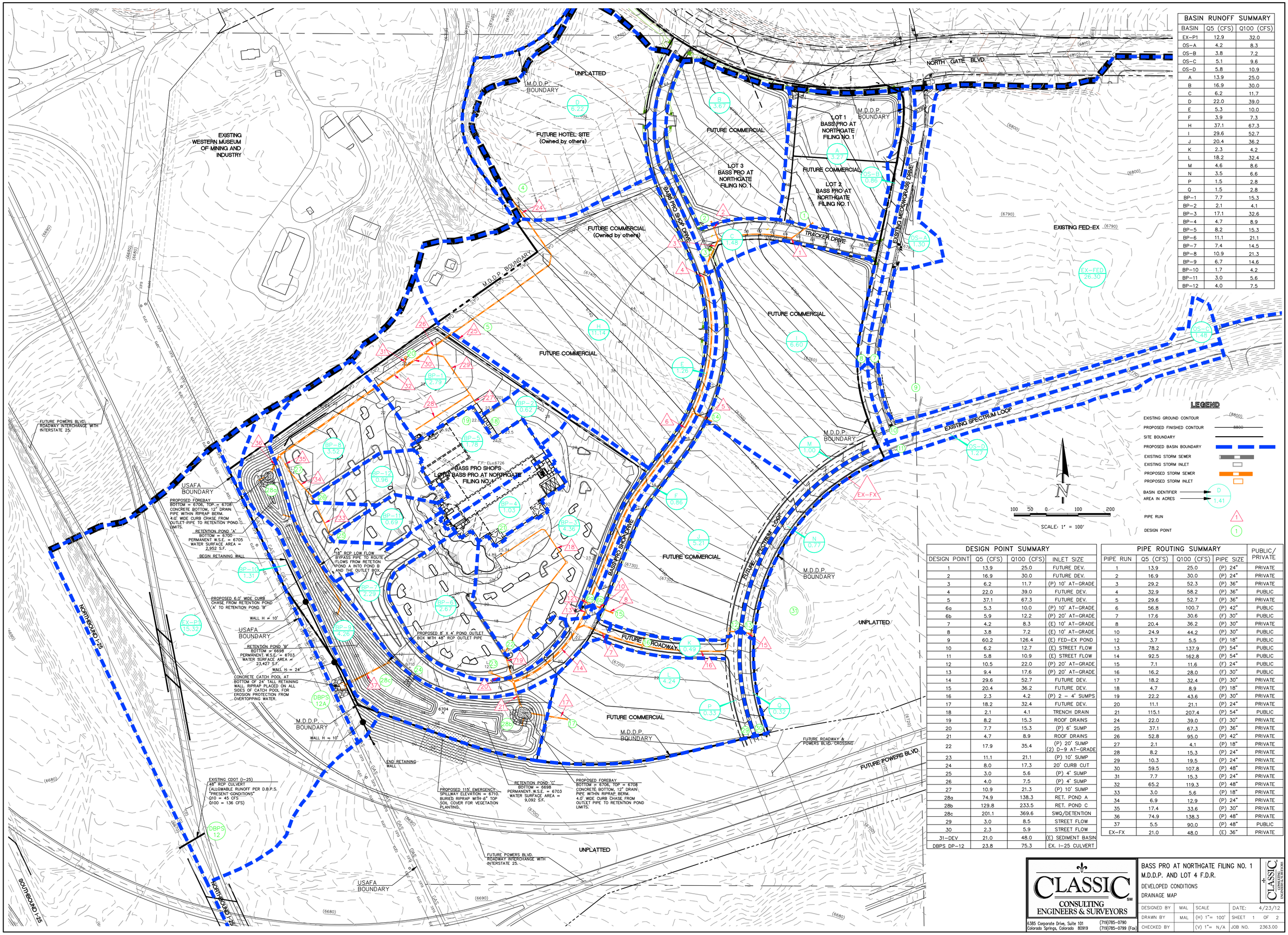

BASIN RUNOFF SUMMARY

BASIN	Q5 (CFS)	Q100 (CFS)
EX-P1	12.9	32.0
OS-A	4.2	8.3
OS-B	3.8	7.2
OS-C	5.1	9.6
OS-D	5.8	10.9
A	13.9	25.0
B	16.9	30.0
C	6.2	11.7
D	22.0	39.0
E	5.3	10.0
F	3.9	7.3
H	37.1	67.3
I	29.6	52.7
J	20.4	36.2
K	2.3	4.2
L	18.2	32.4
M	4.6	8.6
N	3.5	6.6
P	1.5	2.8
Q	1.5	2.8
BP-1	7.7	15.3
BP-2	2.1	4.1
BP-3	17.1	32.6
BP-4	4.7	8.9
BP-5	8.2	15.3
BP-6	11.1	21.1
BP-7	7.4	14.5
BP-8	10.9	21.3
BP-9	6.7	14.6
BP-10	1.7	4.2
BP-11	3.0	5.6
BP-12	4.0	7.5

LEGEND

- EXISTING GROUND CONTOUR (6800)
- PROPOSED FINISHED CONTOUR 6800
- SITE BOUNDARY
- PROPOSED BASIN BOUNDARY
- EXISTING STORM SEWER
- EXISTING STORM INLET
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- BASIN IDENTIFIER / AREA IN ACRES — D / 1.41
- PIPE RUN — 1
- DESIGN POINT — 1

100 50 0 100 200

SCALE: 1" = 100'

DESIGN POINT SUMMARY

DESIGN POINT	Q5 (CFS)	Q100 (CFS)	INLET SIZE
1	13.9	25.0	FUTURE DEV.
2	16.9	30.0	FUTURE DEV.
3	6.2	11.7	(P) 10' AT-GRADE
4	22.0	39.0	FUTURE DEV.
5	37.1	67.3	FUTURE DEV.
6a	5.3	10.0	(P) 10' AT-GRADE
6b	5.9	12.2	(P) 20' AT-GRADE
7	4.2	8.3	(E) 10' AT-GRADE
8	3.8	7.2	(E) 10' AT-GRADE
9	60.2	126.4	(E) FED-EX POND
10	6.2	12.7	(E) STREET FLOW
11	5.8	10.9	(E) STREET FLOW
12	10.5	22.0	(P) 20' AT-GRADE
13	9.4	17.6	(P) 20' AT-GRADE
14	29.6	52.7	FUTURE DEV.
15	20.4	36.2	FUTURE DEV.
16	2.3	4.2	(P) 2 – 4' SUMPS
17	18.2	32.4	FUTURE DEV.
18	2.1	4.1	TRENCH DRAIN
19	8.2	15.3	ROOF DRAINS
20	7.7	15.3	(P) 6' SUMP
21	4.7	8.9	ROOF DRAINS
22	17.9	35.4	(P) 20' SUMP (2) D-9 AT-GRADE
23	11.1	21.1	(P) 10' SUMP
24	8.0	17.3	20' CURB CUT
25	3.0	5.6	(P) 4' SUMP
26	4.0	7.5	(P) 4' SUMP
27	10.9	21.3	(P) 10' SUMP
28a	74.9	138.3	RET. POND A
28b	129.8	233.5	RET. POND C
28c	201.1	369.6	SWQ/DETENTION
29	3.0	8.5	STREET FLOW
30	2.3	5.9	STREET FLOW
31-DEV	21.0	48.0	(E) SEDIMENT BASIN
DBPS DP-12	23.8	75.3	EX. I-25 CULVERT

PIPE ROUTING SUMMARY

PIPE RUN	Q5 (CFS)	Q100 (CFS)	PIPE SIZE	PUBLIC/ PRIVATE
1	13.9	25.0	(P) 24"	PRIVATE
2	16.9	30.0	(P) 24"	PRIVATE
3	29.2	52.3	(P) 36"	PRIVATE
4	32.9	58.2	(P) 36"	PUBLIC
5	29.6	52.7	(P) 36"	PRIVATE
6	56.8	100.7	(P) 42"	PUBLIC
7	17.6	30.6	(F) 30"	PUBLIC
8	20.4	36.2	(P) 30"	PRIVATE
10	24.9	44.2	(P) 30"	PUBLIC
12	3.7	5.5	(P) 18"	PUBLIC
13	78.2	137.9	(P) 54"	PUBLIC
14	92.5	162.8	(P) 54"	PUBLIC
15	7.1	11.6	(F) 24"	PUBLIC
16	16.2	28.0	(F) 30"	PUBLIC
17	18.2	32.4	(P) 30"	PRIVATE
18	4.7	8.9	(P) 18"	PRIVATE
19	22.2	43.6	(P) 30"	PRIVATE
20	11.1	21.1	(P) 24"	PRIVATE
21	115.1	207.4	(P) 54"	PUBLIC
24	22.0	39.0	(F) 30"	PRIVATE
25	37.1	67.3	(P) 36"	PRIVATE
26	52.8	95.0	(P) 42"	PRIVATE
27	2.1	4.1	(P) 18"	PRIVATE
28	8.2	15.3	(P) 24"	PRIVATE
29	10.3	19.5	(P) 24"	PRIVATE
30	59.5	107.8	(P) 48"	PRIVATE
31	7.7	15.3	(P) 24"	PRIVATE
32	65.2	119.3	(P) 48"	PRIVATE
33	3.0	5.6	(P) 18"	PRIVATE
34	6.9	12.9	(P) 24"	PRIVATE
35	17.4	33.6	(P) 30"	PRIVATE
36	74.9	138.3	(P) 48"	PRIVATE
37	5.5	90.0	(P) 48"	PUBLIC
EX-FX	21.0	48.0	(E) 36"	PRIVATE

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BASS PRO AT NORTHGATE FILING NO. 1
M.D.D.P. AND LOT 4 F.D.R.
DEVELOPED CONDITIONS
DRAINAGE MAP

DESIGNED BY	MAL	SCALE	DATE:	4/23/12
DRAWN BY	MAL	(H) 1"= 100'	SHEET 1	OF 2
CHECKED BY		(V) 1"= N/A	JOB NO.	2363.00

X:\2363\00\DRAWINGS\DEVELOPMENT\MDDP Hess.dwg, 7/16/2013 9:17:52 PM, DWG To PDF.pc3