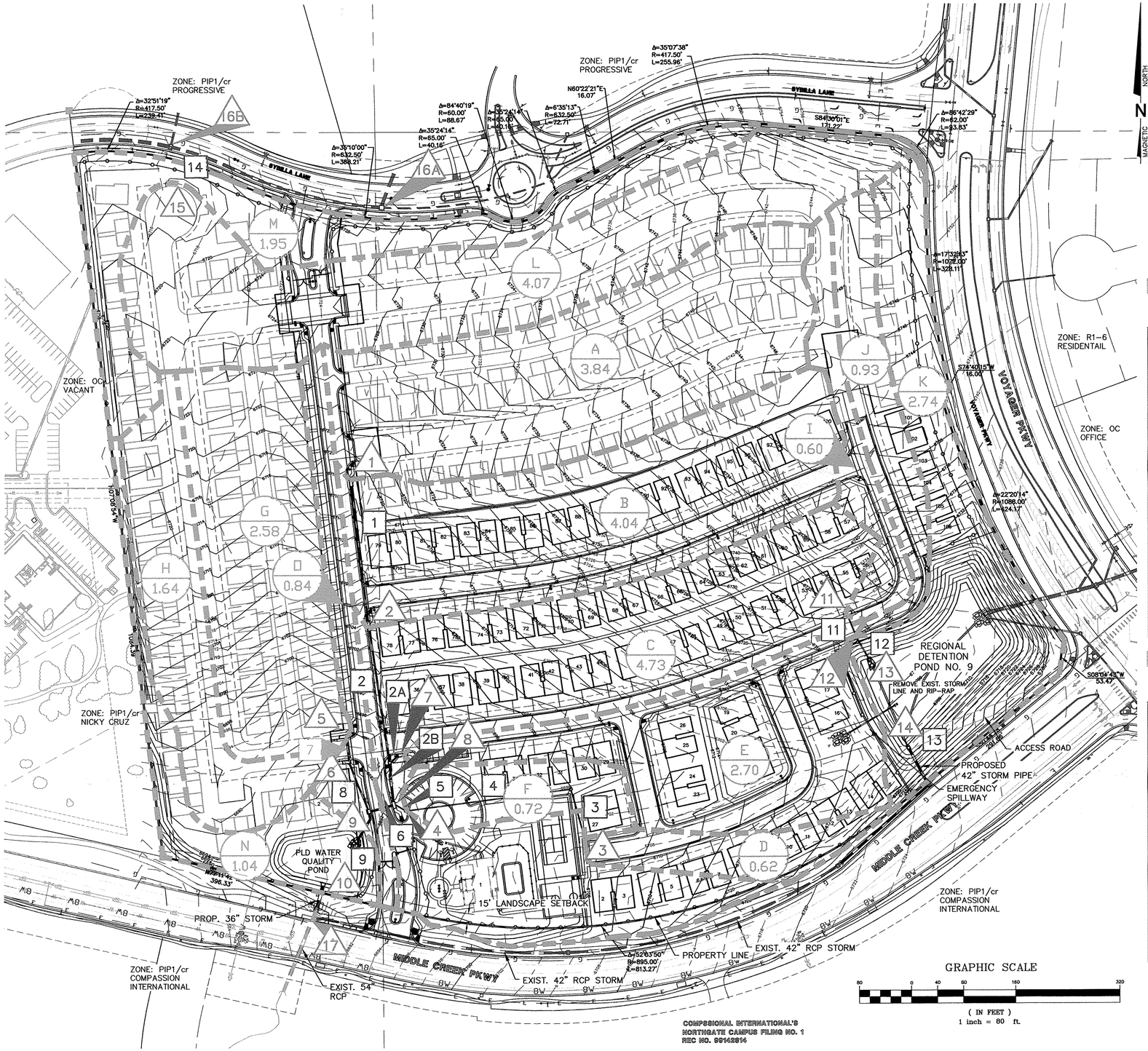
STONEWATER AT NORTHGATE FILING NO. 1, 2 & 3

CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

DEVELOPED DRAINAGE MAP



GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)

1 inch = 80 ft.

LEGEND

- BASIN BOUNDARY
- FLOW DIRECTION
- BASIN IDENTIFIER → B
- AREA IN ACRES → 0.34
- DESIGN POINT → 1
- PIPE RUN → 1

Final Drainage Report for Stonewater at Northgate (SURFACE ROUTING SUMMARY)

Design Point(s)	Contributing Basins/Design Points	Equivalent CA_5	Equivalent CA_{100}	Maximum T_C	Intensity * I_5	Intensity * I_{100}	Flow Q_5	Flow Q_{100}
1	A	2.11	2.69	12.4	3.8	6.7	***8.0***	***18.0***
2	B	2.22	2.83	17.5	3.2	5.7	***7.2***	***16.2***
3	D	0.34	0.43	18.2	3.2	5.6	***1.1***	***2.4***
4	F	0.26	0.33	19.5	3.1	5.4	***0.8***	***1.8***
5	G	1.42	1.81	11.1	3.9	7.0	***5.6***	***12.7***
6	H	0.90	1.15	13.7	3.6	6.4	***3.3***	***7.4***
7	E	1.49	1.89	16.0	3.4	6.0	***5.0***	***11.3***
8	C	2.60	3.31	14.7	3.5	6.2	***9.1***	***20.6***
9	O	0.46	0.59	1.5	5.1	9.1	***2.4***	***5.3***
10	DP-1 THRU 9	11.80	15.02	19.5	3.1	5.4	***36.1***	***81.7***
11	I	0.33	0.42	5.0	5.1	9.1	***1.7***	***3.8***
12	J	0.51	0.65	16.2	3.3	5.9	***1.7***	***3.9***
13	-	0.00	0.00	5.0	5.1	9.1	***0.0***	***0.0***
14	I, J, K & OFFSITE	27.68	35.23	20.8	3.0	5.3	***81.8***	***185.4***
15	L	2.24	2.85	5.0	5.1	9.1	***11.4***	***25.9***
Offsite Info								
17	12A, 12B, 16 & DP 1-9	13.69	17.54	25.0	2.7	4.8	***36.7***	***83.7***

Final Drainage Report for Stonewater at Northgate (Pipe Routing Summary)

Pipe Run	Contributing Basins/Design Points	Equivalent CA_5	Equivalent CA_{100}	Maximum T_C	Intensity * I_5	Intensity * I_{100}	Flow Q_5	Flow Q_{100}	Pipe Size (HDPE)
1	A	2.11	2.69	12.4	3.8	6.7	***8.0***	***18.0***	**18"**
2	A, B	4.33	5.52	17.5	3.2	5.7	***14.0***	***31.6***	**24"**
2A	E	1.49	1.89	17.5	3.2	5.7	***4.8***	***10.8***	**18"**
2B	A, B, E	5.82	7.41	17.5	3.2	5.7	***18.7***	***42.5***	**36"**
3	D	0.34	0.43	18.2	3.2	5.6	***1.1***	***2.4***	**18"**
4	D	0.34	0.43	18.2	3.2	5.6	***1.1***	***2.4***	**18"**
5	D, F	0.60	0.76	19.5	3.1	5.4	***1.8***	***4.1***	**18"**
6	DP 1-4, 7, 8	9.02	11.48	19.5	3.1	5.4	***27.6***	***62.4***	**36"**
7	G	1.42	1.81	11.1	3.9	7.0	***5.6***	***12.7***	**18"**
8	G, H	2.32	2.95	16.0	3.4	6.0	***7.8***	***17.7***	**18"**
9	DP 1-9	11.80	15.02	19.5	3.1	5.4	***36.1***	***81.7***	**36"**
11	I	0.33	0.42	5.0	5.1	9.1	***1.7***	***3.8***	**18"**
12	I, J	0.84	1.07	16.2	3.3	5.9	***2.8***	***6.4***	**18"**
13	OUTLET	FROM DETENTION POND OUTLET (SEE HYDROLOGIC STUDY)					***14.7***	***85.7***	**42"**
14	L	2.24	2.85	5.0	5.1	9.1	***11.4***	***25.9***	**24"**

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NO.	REVISION DESCRIPTION	BY	DATE

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BOB H. YOO, COLORADO P.E. #36793 DATE _____

PROJECT NAME
STONEWATER AT NORTHGATE FIL. NO. 1, 2 & 3
COLORADO SPRINGS, COLORADO
FINAL DRAINAGE STUDY

DRAWING TITLE
DEVELOPED DRAINAGE MAP

H-Scale	1"= 80'
V-Scale	N/A
Date	08 JUNE 2007
Project No.	1010
Drawn by	BHY
Designed by	BHY
Checked by	BHY
SHEET:	2 OF 2