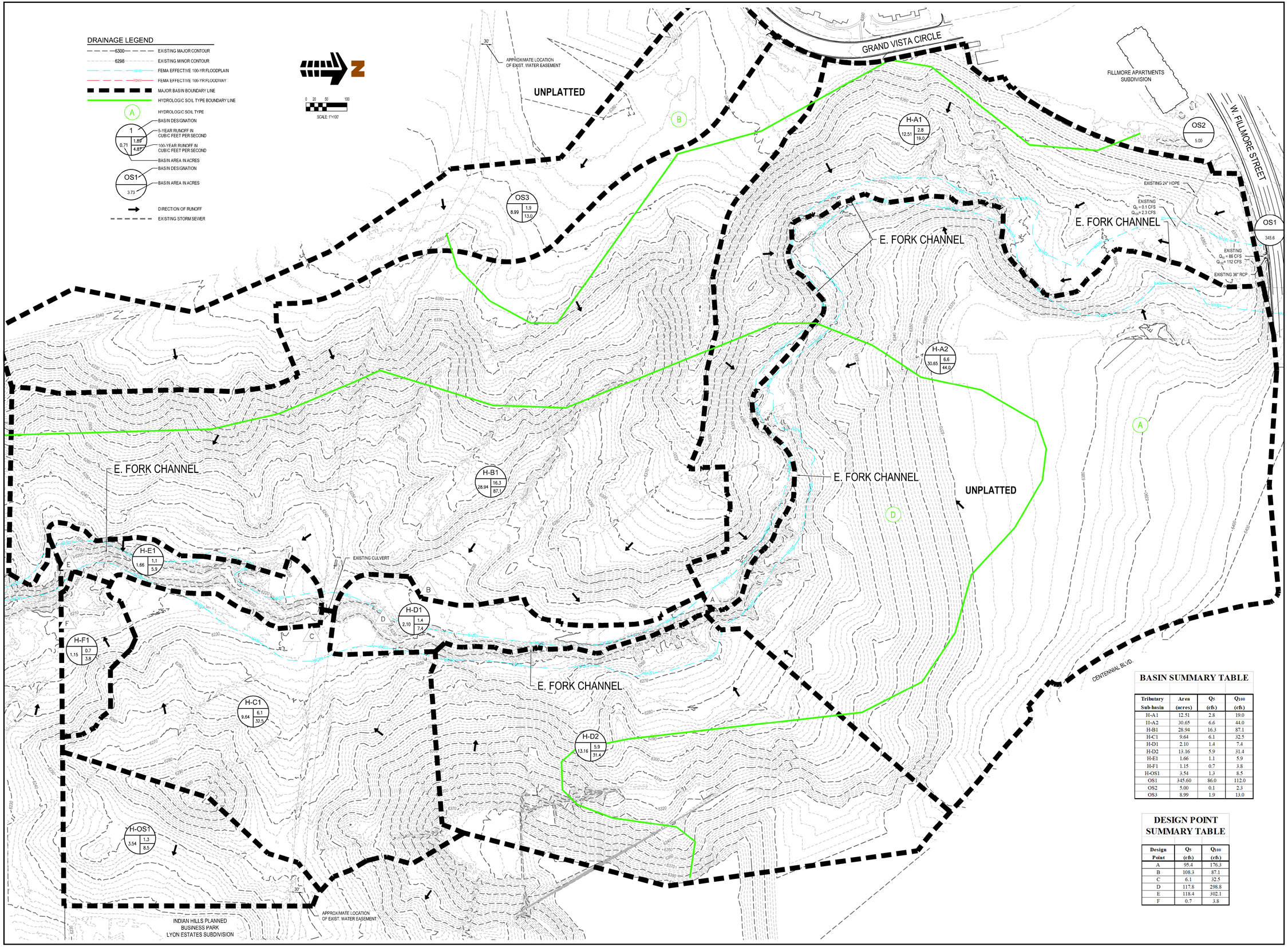

BASIN SUMMARY TABLE

Tributary Sub-basin	Area (acres)	Q_5 (cfs)	Q_{100} (cfs)
H-A1	12.51	2.8	19.0
H-A2	30.65	6.6	44.0
H-B1	28.94	16.3	87.1
H-C1	9.64	6.1	32.5
H-D1	2.10	1.4	7.4
H-D2	13.16	5.9	31.4
H-E1	1.66	1.1	5.9
H-F1	1.15	0.7	3.8
H-OS1	3.54	1.3	8.5
OS1	345.60	86.0	112.0
OS2	5.00	0.1	2.3
OS3	8.99	1.9	13.0

DESIGN POINT SUMMARY TABLE

Design Point	Q_5 (cfs)	Q_{100} (cfs)
A	95.4	176.3
B	108.3	87.1
C	6.1	32.5
D	117.8	298.8
E	118.4	302.1
F	0.7	3.8

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SCOTT MICHAEL BROWN
45900
PROFESSIONAL ENGINEER
08/13/2019

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FILLMORE SOUTH
MDDP

W. FILLMORE ST. & CENTENNIAL BLVD.
COLORADO SPRINGS, CO

#	Date	Issue / Description	Init.

Project No:	GNK007
Drawn By:	CMV
Checked By:	SMB
Date:	06/28/19

HISTORIC DRAINAGE MAP

DR-1

H:\Dynamic Info\proj\GNK\GNK007.25 - Fillmore South\2 Permit Docs\Drng\SUP\GNK007 - Historical Drainage Map.dwg, Chad Vinsel, 7/24/2019

DRAINAGE LEGEND

- PROPERTY LINE
- 6210 — PROPOSED MAJOR CONTOUR
- 38 — PROPOSED MINOR CONTOUR
- 6220 — EXISTING MAJOR CONTOUR
- 6220 — EXISTING MINOR CONTOUR
- 100YR — FEMA EFFECTIVE 100-YR FLOODPLAIN
- CDOT — FEMA EFFECTIVE 100-YR FLOODWAY
- MAJOR BASIN BOUNDARY LINE
- HYDROLOGIC SOIL TYPE BOUNDARY LINE
- A — HYDROLOGIC SOIL TYPE
- OS1 / 3.73 — BASIN DESIGNATION / BASIN AREA IN ACRES
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- 1 — DESIGN POINT
- DIRECTION OF RUNOFF

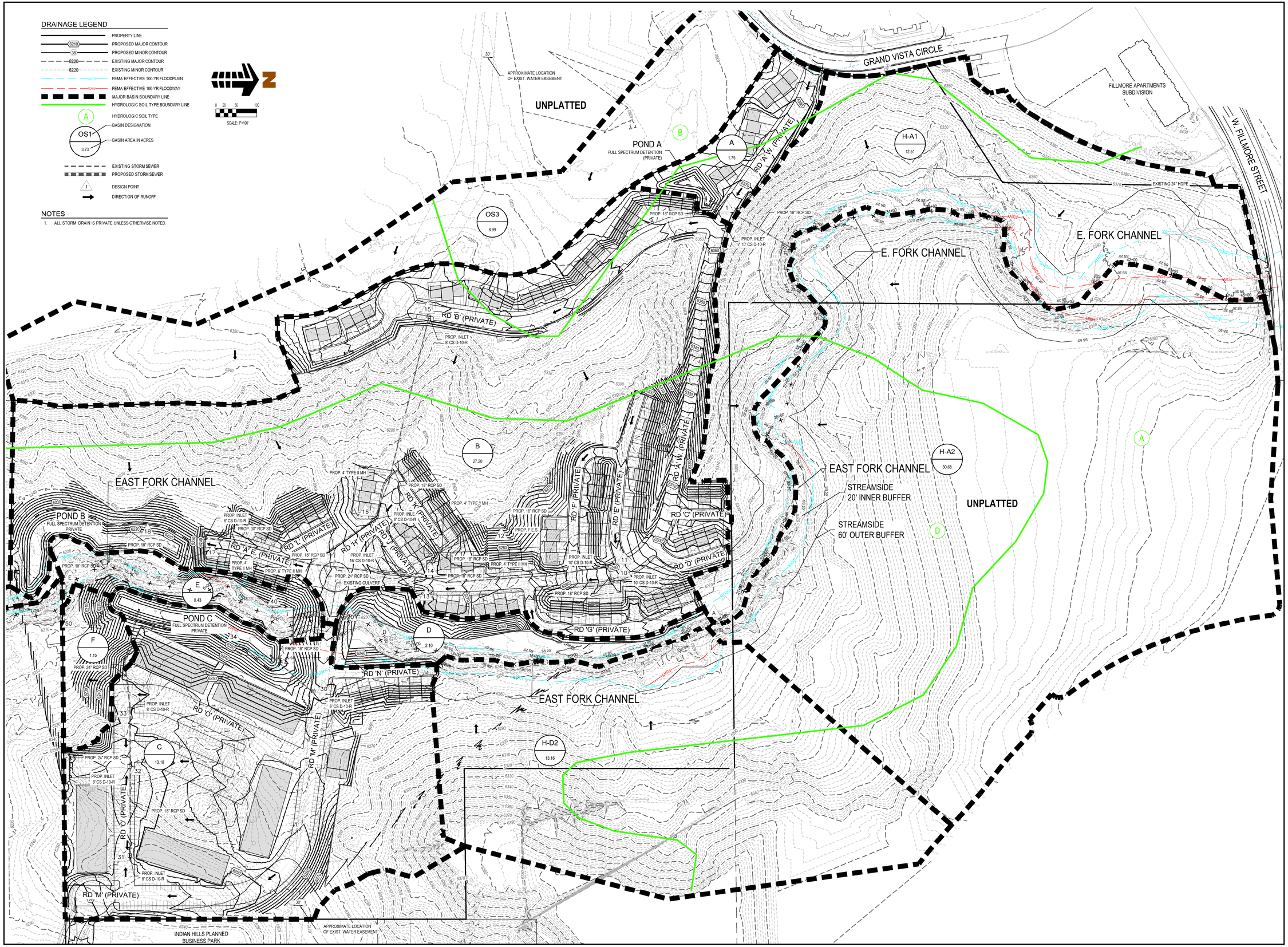
NOTES

1. ALL STORM DRAIN IS PRIVATE UNLESS OTHERWISE NOTED.

N

0 20 50 100

SCALE: 1"=100'



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#	Date	Issue / Description	Init.

Project No:	GNK007
Drawn By:	CMV
Checked By:	SMB
Date:	06/28/2019

PROPOSED DRAINAGE MAP
MAJOR BASINS

DR-2

H:\Drawings\GNK007_Colorado Springs - GNK006007 2D_Fillmore South & Pioneer Corner\Drawing\04 Civil\Drawings\Exhibits\GNK007 - Proposed Drainage Map.dwg - Carlos Villalobos - 2/25/2019

DRAINAGE LEGEND

- PROPERTY LINE
- 6210 — PROPOSED MAJOR CONTOUR
- 38 — PROPOSED MINOR CONTOUR
- 6220 — EXISTING MAJOR CONTOUR
- 6220 — EXISTING MINOR CONTOUR
- 100YR — FEMA EFFECTIVE 100-YR FLOODPLAIN
- DRY — FEMA EFFECTIVE 100-YR FLOODWAY
- MAJOR BASIN BOUNDARY LINE
- MINOR BASIN BOUNDARY LINE
- HYDROLOGIC SOIL TYPE BOUNDARY LINE
- A — HYDROLOGIC SOIL TYPE
- 1 — BASIN DESIGNATION
- 1.8 — 5-YEAR RUNOFF IN CUBIC FEET PER SECOND
- 4.8 — 100-YEAR RUNOFF IN CUBIC FEET PER SECOND
- 0.71 — BASIN AREA IN ACRES
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- 1 — DESIGN POINT
- DIRECTION OF RUNOFF

NOTES

1. ALL STORM DRAIN IS PRIVATE UNLESS OTHERWISE NOTED.

N

0 20 50 100

SCALE: 1"=100'

UNPLATTED

APPROXIMATE LOCATION OF EXIST. WATER EASEMENT

GRAND VISTA CIRCLE

FILLMORE APARTMENTS SUBDIVISION

W. FILLMORE STREET

EXISTING 24" HDPE

POND A
FULL SPECTRUM DETENTION
(PRIVATE)

A1 — 1.75 — 2.5 — 6.5

H-A1 — 12.51

OS3 — 8.99 — 3.6 — 13.5

B1 — 3.10 — 6.0 — 13.8

B2 — 4.36 — 2.9 — 15.4

B3 — 1.50 — 4.0 — 9.3

B4 — 1.41 — 3.8 — 8.7

B5 — 1.84 — 4.0 — 9.6

B6 — 1.49 — 3.3 — 7.4

B7 — 4.82 — 4.7 — 17.2

B8 — 4.46 — 5.4 — 17.7

B9 — 4.22 — 2.6 — 13.7

RD 'A' W. (PRIVATE)

RD 'B' (PRIVATE)

RD 'C' (PRIVATE)

RD 'D' (PRIVATE)

RD 'E' (PRIVATE)

RD 'F' (PRIVATE)

RD 'G' (PRIVATE)

RD 'H' (PRIVATE)

RD 'J' (PRIVATE)

RD 'K' (PRIVATE)

RD 'L' (PRIVATE)

RD 'M' (PRIVATE)

RD 'N' (PRIVATE)

RD 'O' (PRIVATE)

RD 'A' E. (PRIVATE)

PROP. 18" RCP SD

PROP. 24" RCP SD

PROP. 30" RCP SD

PROP. INLET 10' CS D-10-R

PROP. INLET 8' CS D-10-R

PROP. INLET 6' CS D-10-R

PROP. INLET 16' CS D-10-R

PROP. 4' TYPE II MH

PROP. 6' TYPE II MH

PROP. F.E.S.

EXISTING CULVERT

E. FORK CHANNEL

EAST FORK CHANNEL

STREAMSIDE 20' INNER BUFFER

STREAMSIDE 60' OUTER BUFFER

H-A2 — 30.65

H-D2 — 13.16

POND B
FULL SPECTRUM DETENTION
PRIVATE

E1 — 1.15 — 0.9 — 4.7

POND C
FULL SPECTRUM DETENTION
PRIVATE

F1 — 4.7 — 0.9 — 4.8

C1 — 2.12 — 3.3 — 9.2

C2 — 4.78 — 6.6 — 21.1

C3 — 2.78 — 6.5 — 15.3

C4 — 1.98 — 6.8 — 13.5

C5 — 1.52 — 1.1 — 5.7

D1 — 2.10 — 1.6 — 8.6

INDIAN HILLS PLANNED BUSINESS PARK

APPROXIMATE LOCATION OF EXIST. WATER EASEMENT

BASIN SUMMARY TABLE

Tributary Sub-basin	Area (acres)	Q_5 (cfs)	Q_{100} (cfs)
A1	1.75	2.5	6.5
B1	3.10	6.0	13.8
B2	4.36	2.9	15.4
B3	1.50	4.0	9.3
B4	1.41	3.8	8.7
B5	1.84	4.0	9.6
B6	1.49	3.3	7.4
B7	4.82	4.7	17.2
B8	4.46	5.4	17.7
B9	4.22	2.6	13.7
C1	2.12	3.3	9.2
C2	4.78	8.3	21.1
C3	2.78	6.5	15.3
C4	1.98	6.8	13.5
C5	1.52	1.1	5.7
D1	2.10	1.6	8.6
E1	1.66	1.4	7.4
F1	1.15	0.9	4.7
OS3	8.99	3.6	13.5

DESIGN POINT SUMMARY TABLE

Design Point	Q_5 (cfs)	Q_{100} (cfs)
1	2.5	6.5
A	95.5	179.4
20	1.6	8.6
D	102.4	215.8
10	3.8	8.7
11	7.8	18.0
12	2.9	15.4
13	4.0	9.6
14	15.9	7.4
15	6.0	13.8
16	9.9	29.0
17	29.6	87.4
18	2.6	13.7
30	3.3	9.2
31	8.3	21.1
32	13.8	34.3
33	19.3	45.1
34	23.4	59.1
40	1.4	7.4
E	108.3	267.3
50	0.9	4.7

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Project No:	GNK007
Drawn By:	CMV
Checked By:	SMB
Date:	06/28/19

PROPOSED DRAINAGE MAP
MINOR BASINS

DR-3

H:\Gallowa Angela\CO, Colorado Springs - (GNK00007 Dir. Fillmore South)\2 Permit Cons\Dr\04 Grad Drain\Dwg\FA Pl Drain Bsn\MDDP\GNK007 - Proj Drain Mnr.dwg Corey Vranken 7/31/2019