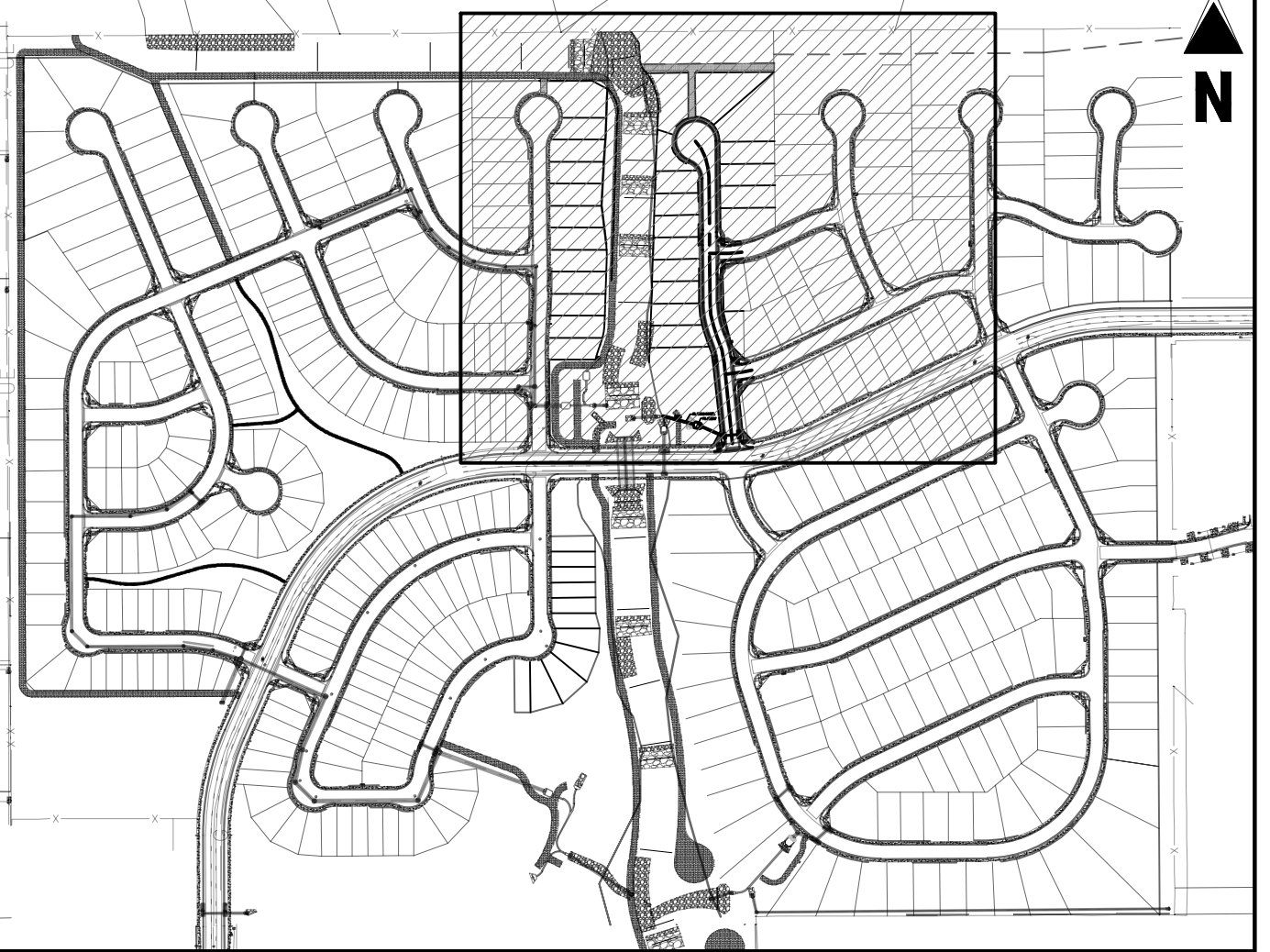


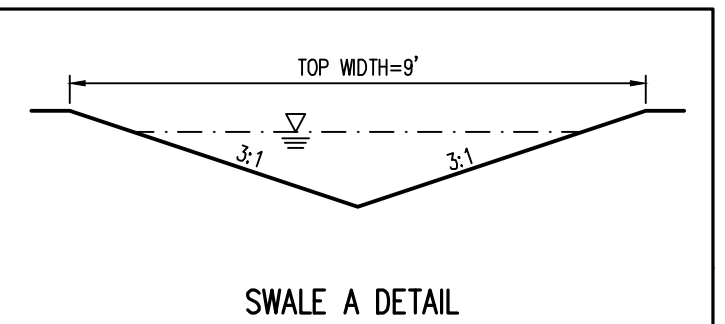
GALLOWAY RESPONSE TO COMMENTS
IN BLUE BOXES WITH WHITE TEXT



KEY MAP
N.T.S.

DRAINAGE LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- BASIN BOUNDARY LINE
- FEMA EFFECTIVE 100-YR FLOODPLAIN
- 100-YR FLOODPLAIN PER MATRIX DBPS
- CENTERLINE OF STREAM
- EXISTING RIPRAP
- EXISTING ACCESS
- PROPOSED RIPRAP
- PROPOSED ACCESS
- BASIN DESIGNATION
- 5-YEAR RUNOFF IN CUBIC FEET PER SECOND
- 100-YEAR RUNOFF IN CUBIC FEET PER SECOND
- BASIN AREA IN ACRES
- DESIGN POINT



SWALE A DETAIL

DESIGN POINT TABLE		
Design Point	Q _s (cfs)	Q ₁₀₀ (cfs)
1	7.7	16.1
2	1.2	2.5
3	2.2	4.6
4	14.4	29.9
4a	2.8	12.9
5	2.2	4.5
5a	-0.0	0.2
6	16.3	34.5
8	2.8	13.1
12	4.1	7.8
13	5.4	11.5
17	5.4	11.2
19	1.7	4.0
26	7.9	24.3
30	52.6	149.2
31	42.4	112.6
32	0.6	2.3
AA	191.8	1075.3

BASIN SUMMARY TABLE						
Tributary Sub-basin	Area (acres)	C _s	C ₁₀₀	t _c (min)	Q _s (cfs)	Q ₁₀₀ (cfs)
OS-4	4.46	0.50	0.62	15.61	7.7	16.1
OS-5	0.46	0.50	0.62	5.00	1.2	2.5
OS-6	1.17	0.50	0.62	12.86	2.2	4.6
A-1	2.19	0.50	0.62	10.95	4.4	9.1
A-2	0.71	0.50	0.62	5.00	1.8	3.8
A-3	1.08	0.50	0.62	10.63	2.2	4.5
A-4	0.81	0.01	0.13	5.00	0.0	0.9
B-1	4.32	0.01	0.13	21.61	0.1	2.8
C-1E	0.49	0.86	0.89	5.00	2.2	3.8
C-1G	0.87	0.50	0.62	6.75	2.1	4.3
C-5	0.51	0.01	0.13	5.00	0.0	0.6
C-1H	1.12	0.35	0.49	8.94	1.7	4.0
D-4C	3.00	0.50	0.62	14.22	5.4	11.2
D-7	8.01	0.06	0.21	14.81	1.7	10.0
D-8	1.46	0.11	0.26	14.03	0.6	2.3

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**FINAL DRAINAGE REPORT
FALCON MEADOWS AT BENT GRASS FILING NO. 4
FOR
CHALLENGER COMMUNITIES, LLC**
BENT GRASS MEADOWS DRIVE
FALCON, CO 80831 - EL PASO COUNTY

#	Date	Issue / Description	Init.

Project No: CLH021
Drawn By: TJE
Checked By: BAS
Date: JULY 1, 2022

PROPOSED DRAINAGE MAP