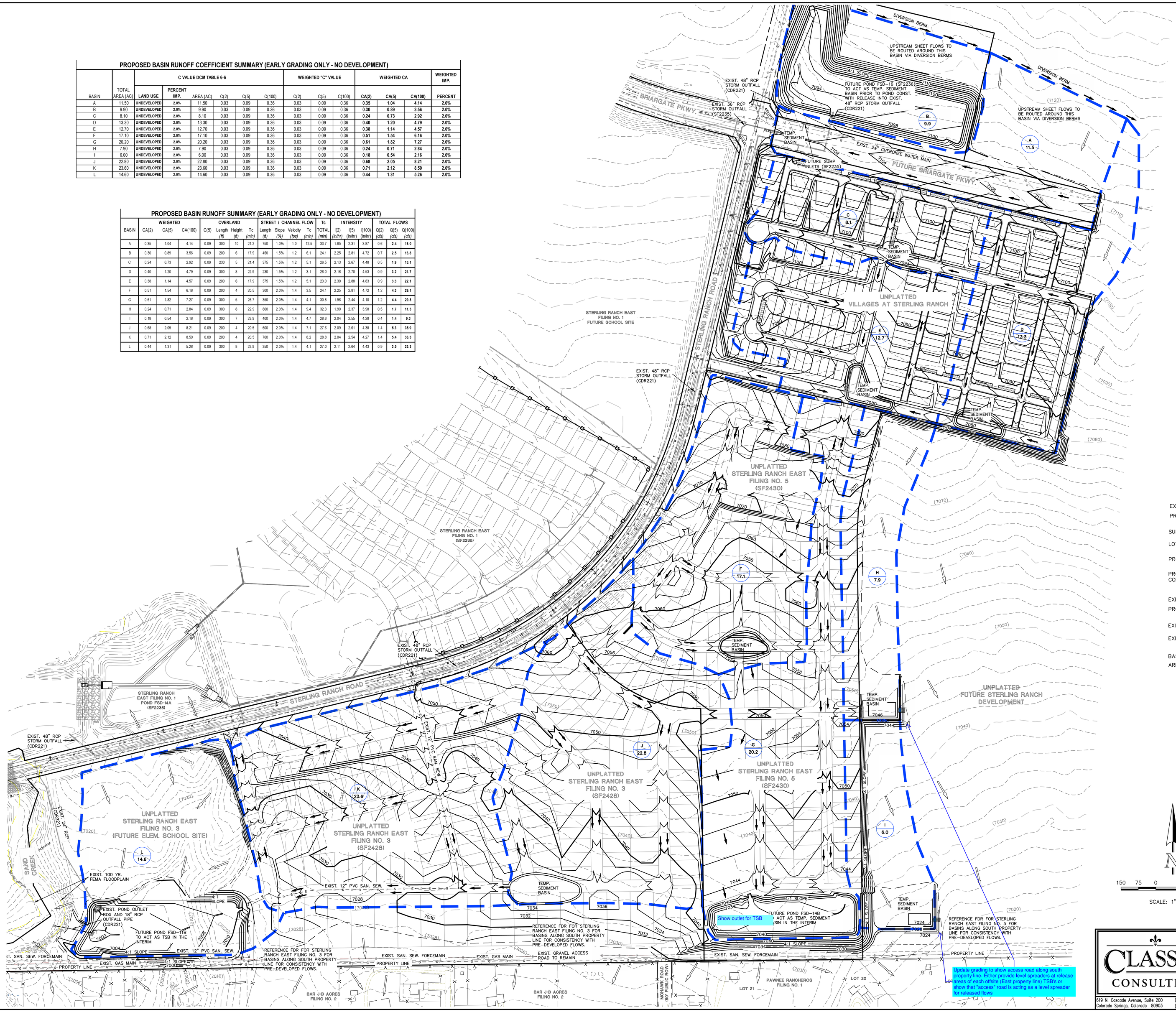
PROPOSED BASIN RUNOFF COEFFICIENT SUMMARY (EARLY GRADING ONLY - NO DEVELOPMENT)

BASIN	TOTAL AREA (AC)	C VALUE DCM TABLE 6-5						WEIGHTED "C" VALUE			WEIGHTED CA			WEIGHTED IMP.
		LAND USE	PERCENT IMP.	AREA (AC)	C(2)	C(5)	C(100)	C(2)	C(5)	C(100)	CA(2)	CA(5)	CA(100)	PERCENT
A	11.50	UNDEVELOPED	2.0%	11.50	0.03	0.09	0.36	0.03	0.09	0.36	**0.35**	**1.04**	**4.14**	2.0%
B	9.90	UNDEVELOPED	2.0%	9.90	0.03	0.09	0.36	0.03	0.09	0.36	**0.30**	**0.89**	**3.56**	2.0%
C	8.10	UNDEVELOPED	2.0%	8.10	0.03	0.09	0.36	0.03	0.09	0.36	**0.24**	**0.73**	**2.92**	2.0%
D	13.30	UNDEVELOPED	2.0%	13.30	0.03	0.09	0.36	0.03	0.09	0.36	**0.40**	**1.20**	**4.79**	2.0%
E	12.70	UNDEVELOPED	2.0%	12.70	0.03	0.09	0.36	0.03	0.09	0.36	**0.38**	**1.14**	**4.57**	2.0%
F	17.10	UNDEVELOPED	2.0%	17.10	0.03	0.09	0.36	0.03	0.09	0.36	**0.51**	**1.54**	**6.16**	2.0%
G	20.20	UNDEVELOPED	2.0%	20.20	0.03	0.09	0.36	0.03	0.09	0.36	**0.61**	**1.82**	**7.27**	2.0%
H	7.90	UNDEVELOPED	2.0%	7.90	0.03	0.09	0.36	0.03	0.09	0.36	**0.24**	**0.71**	**2.84**	2.0%
I	6.00	UNDEVELOPED	2.0%	6.00	0.03	0.09	0.36	0.03	0.09	0.36	**0.18**	**0.54**	**2.16**	2.0%
J	22.80	UNDEVELOPED	2.0%	22.80	0.03	0.09	0.36	0.03	0.09	0.36	**0.68**	**2.05**	**8.21**	2.0%
K	23.60	UNDEVELOPED	2.0%	23.60	0.03	0.09	0.36	0.03	0.09	0.36	**0.71**	**2.12**	**8.50**	2.0%
L	14.60	UNDEVELOPED	2.0%	14.60	0.03	0.09	0.36	0.03	0.09	0.36	**0.44**	**1.31**	**5.26**	2.0%

PROPOSED BASIN RUNOFF SUMMARY (EARLY GRADING ONLY - NO DEVELOPMENT)

BASIN	WEIGHTED			OVERLAND				STREET / CHANNEL FLOW				Tc	INTENSITY			TOTAL FLOWS		
	CA(2)	CA(5)	CA(100)	C(5)	Length (ft)	Height (ft)	Tc (min)	Length (ft)	Slope (%)	Velocity (fps)	Tc (min)	TOTAL (min)	I(2) (in/hr)	I(5) (in/hr)	I(100) (in/hr)	Q(2) (cfs)	Q(5) (cfs)	Q(100) (cfs)
A	0.35	1.04	4.14	0.09	300	10	21.2	750	1.0%	1.0	12.5	33.7	1.85	2.31	3.87	0.6	**2.4**	**16.0**
B	0.30	0.89	3.56	0.09	200	6	17.9	450	1.5%	1.2	6.1	24.1	2.25	2.81	4.72	0.7	**2.5**	**16.8**
C	0.24	0.73	2.92	0.09	230	5	21.4	375	1.5%	1.2	5.1	26.5	2.13	2.67	4.48	0.5	**1.9**	**13.1**
D	0.40	1.20	4.79	0.09	300	8	22.9	230	1.5%	1.2	3.1	26.0	2.16	2.70	4.53	0.9	**3.2**	**21.7**
E	0.38	1.14	4.57	0.09	200	6	17.9	375	1.5%	1.2	5.1	23.0	2.30	2.88	4.83	0.9	**3.3**	**22.1**
F	0.51	1.54	6.16	0.09	200	4	20.5	300	2.0%	1.4	3.5	24.1	2.25	2.81	4.72	1.2	**4.3**	**29.1**
G	0.61	1.82	7.27	0.09	300	5	26.7	350	2.0%	1.4	4.1	30.8	1.96	2.44	4.10	1.2	**4.4**	**29.8**
H	0.24	0.71	2.84	0.09	300	8	22.9	800	2.0%	1.4	9.4	32.3	1.90	2.37	3.98	0.5	**1.7**	**11.3**
I	0.18	0.54	2.16	0.09	300	7	23.9	400	2.0%	1.4	4.7	28.6	2.04	2.55	4.28	0.4	**1.4**	**9.3**
J	0.68	2.05	8.21	0.09	200	4	20.5	600	2.0%	1.4	7.1	27.6	2.09	2.61	4.38	1.4	**5.3**	**35.9**
K	0.71	2.12	8.50	0.09	200	4	20.5	700	2.0%	1.4	8.2	28.8	2.04	2.54	4.27	1.4	**5.4**	**36.3**
L	0.44	1.31	5.26	0.09	300	8	22.9	350	2.0%	1.4	4.1	27.0	2.11	2.64	4.43	0.9	**3.5**	**23.3**



NOTE:

THE SITE HAS BEEN PREVIOUSLY DISTURBED WITH MASS GRADING OPERATIONS AND VEGETATION IS SPARSE AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

LEGEND

- EXISTING CONTOUR (7700)
- PROPOSED CONTOUR 7700
- SUBDIVISION BOUNDARY
- LOT LINE
- PROPOSED BASIN BOUNDARY
- PROPOSED LIMITS OF GRADING/ CONSTRUCTION SITE BOUNDARY
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- EXISTING STORM SEWER
- EXISTING STORM INLET
- BASIN IDENTIFIER D / AREA IN ACRES 1.41

NOTE:

THIS PLAN AND REPORT ONLY ALLOWS FOR EARLY GRADING OPERATIONS WITHIN THIS SPECIFIED AREA WHICH MAY INCLUDE WET UTILITY INSTALLATION, ALL AT THE DEVELOPER'S RISK.

NO ROADWAY CONSTRUCTION OR HOMEBUILDING ACTIVITY ALLOWED PRIOR TO FINAL PLATS AND CD APPROVAL BY EL PASO COUNTY.

N

150 75 0 150 300

SCALE: 1" = 150'

PCD FILE # PUD SP226

CLASSIC CONSULTING
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Colorado Springs, Colorado 80903 (719)785-0799 (Fax)

VILLAGES AT STERLING RANCH
FINAL DRAINGE REPORT
(EARLY GRADING AND EROSION CONTROL PLAN)

CLASSIC CONSULTING

DESIGNED BY	MAW	SCALE	DATE 1/13/25
DRAWN BY	MAW	(H) 1"= 150'	SHEET 1 OF 1
CHECKED BY		(V) 1"= N/A	JOB NO. 1183.26

N:\1183\6 REPORTS FOR EARLY GDC\1183\6 FSR Early GDC.dwg, 2/3/2025 11:40:39 AM, kristop