

PROPOSED BASIN RUNOFF COEFFICIENT SUMMARY (EARLY GRADING ONLY - NO DEVELOPMENT)														
BASIN	TOTAL AREA (AC)	C VALUE DCM TABLE 6-6					WEIGHTED "C" VALUE					WEIGHTED CA		
		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)	Slope (%)	Velocity (fps)		Tc	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	212	7.50	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	179	4.50	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	214	3.75	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	25.0	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	33.8	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	28.5	2.04	2.55	4.28	0.4	1.4	9.5
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

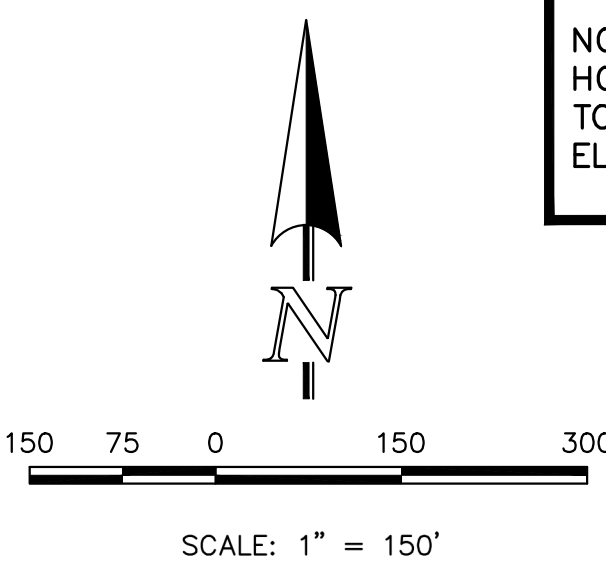
NOTE:
THE SITE HAS BEEN PREVIOUSLY DISTURBED WITH MASS GRADING OPERATIONS AND VEGETATION IS SPARSE AND OF NATURAL GRASSLAND CONSISTENCY (NO TREES OR SHRUBS).

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
- AREA IN ACRES

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.



A TSB IS THE BMP THAT CONTROLS THE FLOW RELEASE PER MHFCD.

WE HAVE ADDED RIP-RAP DISPISERS AT EACH OF THE 6" PVC OUTLETS PER MHFCD DETAIL SC-7

Update grading to show access road along south property line. Either provide level spreaders at release areas of each offsite (East property line) TSB's or show that "access" road is acting as a level spreader for released flows.



VILLAGES AT STERLING RANCH FINAL DRAINAGE REPORT (EARLY GRADING AND EROSION CONTROL PLAN)			
DESIGNED BY	MAW	SCALE	DATE
DRAWN BY	MAW	(H) 1" = 150'	1/13/25
CHECKED BY	(V) 1" = N/A	SHEET	1 OF 1
		JOB NO.	1183.26

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