

LEGEND

- BASIN BOUNDARY
- PRORATE BOUNDARY
- PRORATE ID
- BASIN ID
- CONCENTRATION POINT ID
- FLOW DIRECTION
- FACILITY ID
- EXISTING SD FACILITIES
- PROPOSED SD FACILITIES
- TO BE REMOVED IN ULTIMATE CONDITION
- FUTURE SD FACILITIES
- PROPOSED DITCHES
- DITCH LABELS
- CULVERT TO BE REMOVED IN ULTIMATE CONDITION

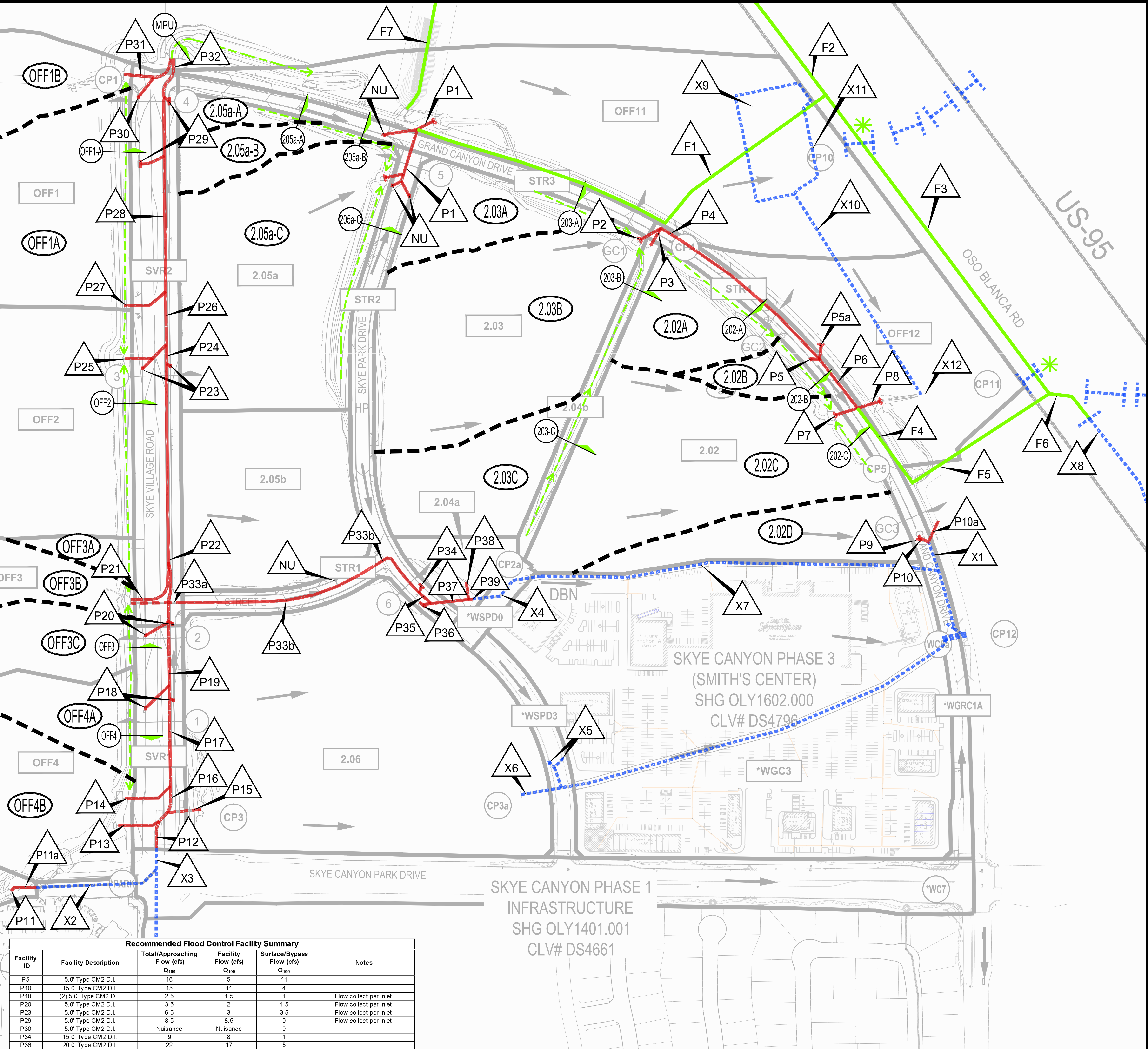
0 150 300
SCALE 1"=150' FEET

Prorated Flow Summary			
Basin ID	Q ₁₀₀ (cfs)	Area (acres)	100-yr Unit Flow (cfs/acre)
OFF1	280	141.00	2.0
OFF3	185	96.00	1.9
OFF4	80	39.00	2.1
2.05a	40	13.50	3.0
2.03	52	17.50	3.0
2.02	53	17.8	3.0
Subbasin ID	Q ₁₀₀ (cfs)	Area (acres)	100-yr Unit Flow (cfs/acre)
OFF1A	27	13.4	2.0
OFF1B	253	127.6	2.0
TOTAL	280	141.0	
OFF3A	1	0.7	1.9
OFF3B	173	90.0	1.9
OFF3C	10	5.3	1.9
TOTAL	185	96.0	
OFF4A	5	2.5	2.1
OFF4B	75	36.4	2.1
TOTAL	80	39.0	
2.05a-A	2	0.7	3.0
2.05a-B	5	1.7	3.0
2.05a-C	33	11.1	3.0
TOTAL	40	13.5	
2.03A	9	2.9	3.0
2.03B	31	10.5	3.0
2.03C	12	4.1	3.0
TOTAL	52	17.5	
2.02A	9	2.9	3.0
2.02B	3	1.1	3.0
2.02C	31	10.4	3.0
2.02D	10	3.4	3.0
TOTAL	53	17.8	

Recommended Flood Control Facility Summary				
Facility ID	Facility Description	Q ₁₀₀ (cfs)	Q _{ULTIMATE} (cfs)	Notes
X1	Existing 68" RCP	11	32	
X2	Existing 60" RCP	319	359	
X3	Existing 6x6" RCB	335	412	Ties into Facility P12
X4	Existing 54" RCP	98	28	
X5	(2) Existing 12.0" Type CM2 D.I.	N/A	52	26 cfs/ drop inlet with 24" laterals
X6	Existing 60" RCP	458	433	
X7	Existing 60" RCP	98	280	
X8	Existing 5' x 5' RCB	160	301	
X9	DB2 Sediment Basin	588	N/A	
X10	DB2 Sediment Basin Discharge Ditch	85	N/A	
X11	DB2 Sediment Basin Spillway	503	N/A	CP10 - 85CFS
X12	Beginning of Existing Wash	233	N/A	CP11 + 85CFS
P1	Proposed 30" RCP	40	40	To collect basin 2.05a Flow
P2	Proposed 30" RCP	55	52	
P3	Proposed 18" RCP	N/A	3	Capped Stub for Future Park Flow
P4	Proposed 30" RCP	65	55	
P5	Proposed 5.0" Type CM2 D.I.	5	5	w/ 18" Lateral
P5a	Proposed 18" RCP	N/A	5	Capped Stub for Future Drop Inlet
P6	Proposed 36" RCP	60	65	
P7	Proposed 36" RCP	53	53	Assumes all Parcel 2.02 flow is conservatively collected at Facility P7
P8	Proposed 42" RCP	113	118	
P9	Proposed 18" RCP	10	10	Capped Stub for Future Parcel Flow
P10	Proposed 15.0" Type CM2 D.I.	11	11	w/ 24" Lateral
P10a	Proposed 18" RCP	N/A	11	Capped Stub for Future Drop Inlet
P11	Proposed 72" RCP	366	N/A	Interim Improved Inlet
P11a	Proposed 60" RCP	366	359	
P12	Proposed 8x7" RCA	382	412	
P13	Proposed 30" RCP	40	29.5	
P14	Proposed 30" RCP	40	29.5	
P15	Proposed 72" RCA	422	N/A	To be removed in ultimate condition
P16	Proposed 8x7" RCA	N/A	445.5	Alignment is plugged and provided for future use only
P17	Proposed 8x7" RCA	40	479	
P18	(2) Proposed 5.0" Type CM2 D.I.	4	4	2 cfs/ drop inlet with 18" laterals
P19	Proposed 8x7" RCA	44	483	
P20	(2) Proposed 5.0" Type CM2 D.I.	4	4	2 cfs/ drop inlet with 18" laterals
P21	Proposed 6x6" RCB	156	359	
P22	Proposed 10x9" RCA	204	876	
P23	(2) Proposed 5.0" Type CM2 D.I.	5	5	3 cfs/ drop inlet with 18" laterals
P24	Proposed 10x9" RCA	207	879	
P25	Proposed 42" RCP	45	69	
P26	Proposed 10x9" RCA	255	932	
P27	Proposed 36" RCP	N/A	51	Capped Stub for Future Parcel Flow
P28	Proposed 10x9" RCA	255	963	
P29	(2) Proposed 20.0" Type CM2 D.I.	17	17	8.5 cfs/ drop inlet with 18" laterals
P30	Proposed 5.0" Type CM2 D.I.	Nuisance	Nuisance	
P31	Proposed 8x4" RCB	364	398	
P32	Proposed 10x9" RCA	521	1325	
P33a	Proposed 42" RCP	70	N/A	To be removed in ultimate condition
P33b	Proposed 36" RCP	70	Nuisance	
P34	Proposed 15.0" Type CM2 D.I.	8	8	w/ 18" Lateral
P35	Proposed 36" RCP	78	9	
P36	Proposed 20.0" Type CM2 D.I.	17	17	w/ 24" Lateral
P37	Proposed 36" RCP	95	25	
P38	Proposed 18" RCP	3	3	
P39	Proposed 54" RCP	98	28	
*F1	Future 36" RCP	N/A	73	
*F2	Future 18" RCP	N/A	10	
*F3	Future 36" RCP	N/A	75	
*F4	Future 36" RCP	N/A	56	
*F5	Future 42" RCP	N/A	170	
*F6	Future 60" RCP	N/A	301	Connects to Existing Regional Facility
*F7	Future Moccasin Facility Collection Berm	N/A	1330	
NJ	Facility has been provided for collection and conveyance of nuisance flow only.			

Interim Ditch Section Summary				
Section ID	Section Description	Q ₁₀₀ (cfs)	Slope (%)	Depth (ft)
OFF1-A (Q = OFF1A)	Earthen Trapezoidal-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	27.0	1.10	0.82
OFF2 (Q = OFF2)	Earthen Trapezoidal-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	45.0	0.90	1.13
OFF3 (Q = OFF3A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	10.0	1.70	0.88
OFF4 (Q = OFF4A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	5.0	0.50	0.85
205a-A (Q = 2.05a-A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	2.0	5.00	0.39
205a-B (Q = 2.05a-B)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	7.0	2.70	0.70
205a-C (Q = 2.05a-C)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 2-ft Deep	33.0	1.00	1.52
203-A (Q = 2.03A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	9.0	1.50	0.86
203-B (Q = 2.03B)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 2-ft Deep	43.0	0.50	1.91
203-C (Q = 2.03C)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	12.0	1.50	0.96
202-A (Q = 2.02A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	9.0	2.50	0.79
202-B (Q = 2.02B)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	12.0	2.00	0.91
202-C (Q = 2.02C)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 2-ft Deep	31.0	0.50	1.69
MPU (Riprap) (Q = CP1)	Trapezoidal Ditch, 3:1 SS, 18-ft Base and Min 4-ft Deep w/ 8" Riprap	521.0	0.50	3.50
MPU (Earthen) (Q = CP1)	Earthen Trapezoidal Ditch, 3:1 SS, 45-ft Base and Min 3-ft Deep	521.0	0.25	2.04

SEE EXHIBIT F FOR EXTENTS OF OFFSITE BASINS



Recommended Flood Control Facility Summary				
Facility ID	Facility Description	Total/Approaching Flow (cfs) Q ₁₀₀	Facility Flow (cfs) Q ₁₀₀	Surface/Bypass Flow (cfs) Q ₁₀₀
P5	5.0" Type CM2 D.I.	16	5	11
P10	15.0" Type CM2 D.I.	15	11	4
P18	(2) 5.0" Type CM2 D.I.	2.5	1.5	1
P20	5.0" Type CM2 D.I.	3.5	2	1.5
P23	5.0" Type CM2 D.I.	6.5	3	3.5
P29	5.0" Type CM2 D.I.	8.5	8.5	0
P30	5.0" Type CM2 D.I.	Nuisance	Nuisance	0
P34	15.0" Type CM2 D.I.	9	8	1
P36	20.0" Type CM2 D.I.	22	17	5

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NINETY-FIVE MANAGEMENT, LLC.
SKYE CANYON PHASE 3A INFRASTRUCTURE
FACILITIES MAP

DATE: JULY 2018
DRAFTER: ETM
DESIGNER: ETM
CHECKED: LL
PROJECT NO.
OLY1609.000

EXHIBIT I
SHEET 1 OF 1