LEGEND

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

N

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	2.6	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

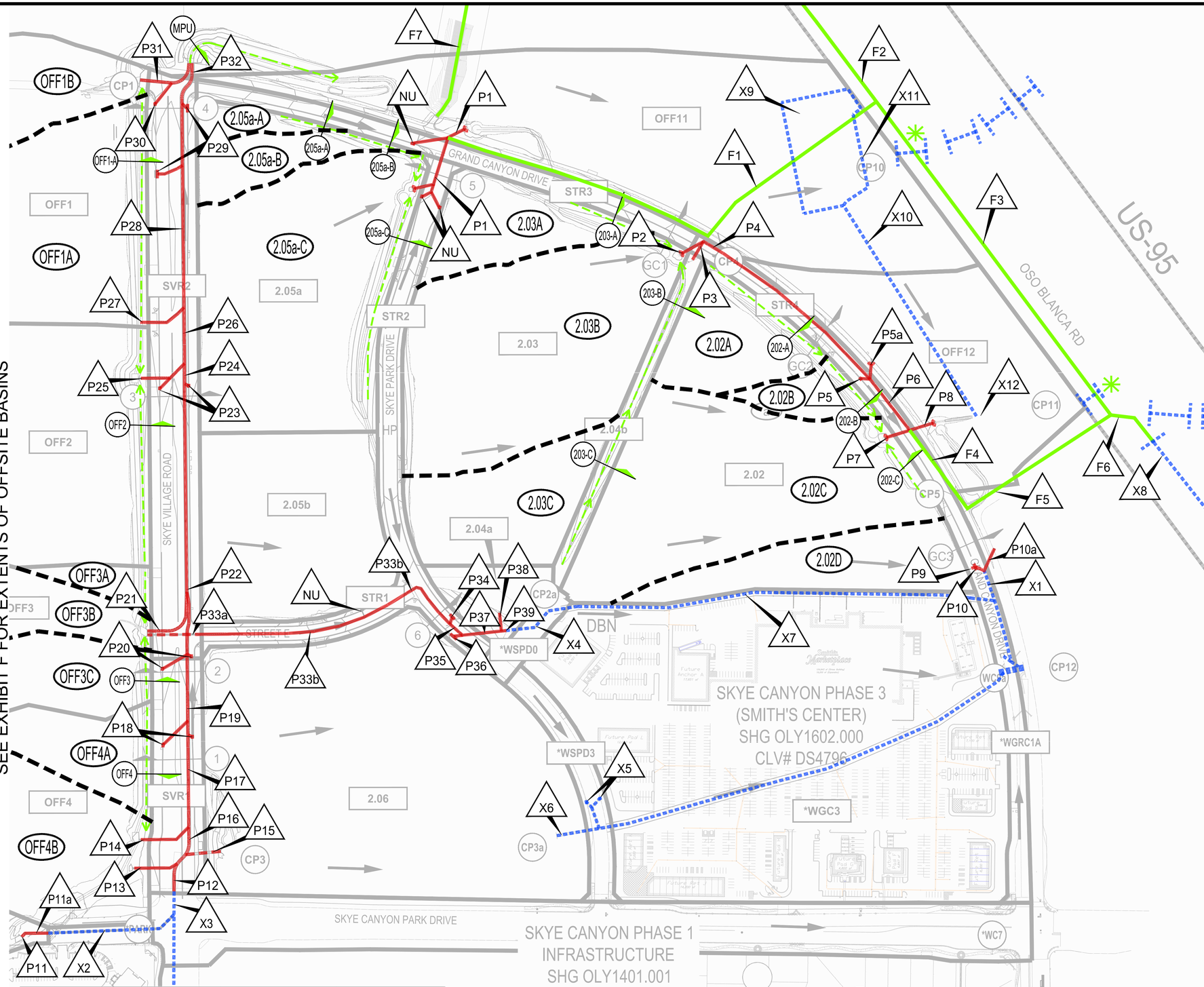
Facility ID	Facility Description	$Q_{PROPOSED}$ (cfs)	$Q_{ULTIMATE}$ (cfs)	Notes
X1	Existing 66" RCP	11	**32**	
X2	Existing 60" RCP	319	**359**	
X3	Existing 8'x5' RCB	335	**412**	Ties into Facility P12
X4	Existing 54" RCP	**98**	28	
X5	(2) Existing 12.0' Type CM2 D.I.	N/A	**52**	26 cfs/ drop inlet with 24" laterals
X6	Existing 60" RCP	**458**	433	
X7	Existing 60" RCP	98	**260**	
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	**55**	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 8'x7' RCA	382	**412**	
P13	Proposed 30" RCP	**40**	29.5	
P14	Proposed 30" RCP	**40**	29.5	
P15	Proposed 72" RCP	**422**	N/A	To be removed in ultimate condition
P16	Proposed 8'x7' RCA	N/A	**445.5**	Alignment is plugged and provided for future use only
P17	Proposed 8'x7' RCA	40	**479**	
P18	(2) Proposed 5.0' Type CM2 D.I.	4	**4**	2 cfs/ drop inlet with 18" laterals
P19	Proposed 8'x7' RCA	44	**483**	
P20	(2) Proposed 5.0' Type CM2 D.I.	4	**4**	2 cfs/ drop inlet with 18" laterals
P21	Proposed 6'x6' RCB	156	**359**	
P22	Proposed 10'x9' RCA	204	**876**	
P23	(2) Proposed 5.0' Type CM2 D.I.	6	**6**	3 cfs/ drop inlet with 18" laterals
P24	Proposed 10'x9' RCA	207	**879**	
P25	Proposed 42" RCP	45	**69**	
P26	Proposed 10'x9' RCA	255	**932**	
P27	Proposed 36" RCP	N/A	**51**	Capped Stub for Future Parcel Flow
P28	Proposed 10'x9' RCA	255	**983**	
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 8'x4' RCB	364	**398**	
P32	Proposed 10'x9' 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**	8	
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**	
NU	Facility has been provided for collection and conveyence of nuisance flow only.			

X' - Depicts an Existing Facility P' - Depicts a Proposed Facility F' - Depicts a Future Facility

*Flow summarized adopted from the Skye Canyon Master Drainage Study Update.

Interim Ditch Section Summary

Section ID	Section Description	Q_{100} (cfs)	Slope (%)	Depth (ft)	Velocity (fps)
OFF1-A (Q = OFF1A)	Earthen Trapezoidal-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	27.0	1.10	0.82	4.43
OFF2 (Q = OFF2)	Earthen Trapezoidal-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	45.0	0.90	1.13	4.77
OFF3 (Q = OFF3C)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	10.0	1.70	0.88	4.32
OFF4 (Q = OFF4A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1.5-ft Deep	5.0	0.50	0.85	2.30
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	4.33
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	4.71
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	4.77
203-A (Q = 2.03A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	9.0	1.50	0.86	4.02
203-B (Q = 2.03B)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 2-ft Deep	43.0	0.50	1.91	3.93
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	4.32
202-A (Q = 2.02A)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	9.0	2.50	0.79	4.87
202-B (Q = 2.02B)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 1-ft Deep	12.0	2.00	0.91	4.81
202-C (Q = 2.02C)	Earthen V-Ditch w/ 3:1 Side Slopes and Min 2-ft Deep	31.0	0.50	1.69	3.62
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	5.21
MPU (Earthen) (Q = CP1)	Earthen Trapezoidal Ditch; 3:1 SS, 45-ft Base and Min 3-ft Deep	521.0	0.25	2.04	5.00



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}	Notes
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	Flow collect per inlet
P20	5.0' Type CM2 D.I.	3.5	2	1.5	Flow collect per inlet
P23	5.0' Type CM2 D.I.	6.5	3	3.5	Flow collect per inlet
P29	5.0' Type CM2 D.I.	8.5	8.5	0	Flow collect per inlet
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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NO.	DESCRIPTION	DATE	BY	APP. DATE	APP.

NINETY-FIVE MANAGEMENT, LLC.

SKYE CANYON PHASE 3A INFRASTUCTURE FACILITIES MAP

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

EXHIBIT I
SHEET 1 OF 1

F:\oly1609-000 skye canyon phase 3a, 3b, 3c\drainage\technical study\addendum 2\figures\oly1609 tds exhibit i facilities map.dwg 7/26/2018 3:46 PM Lorri Leavitt