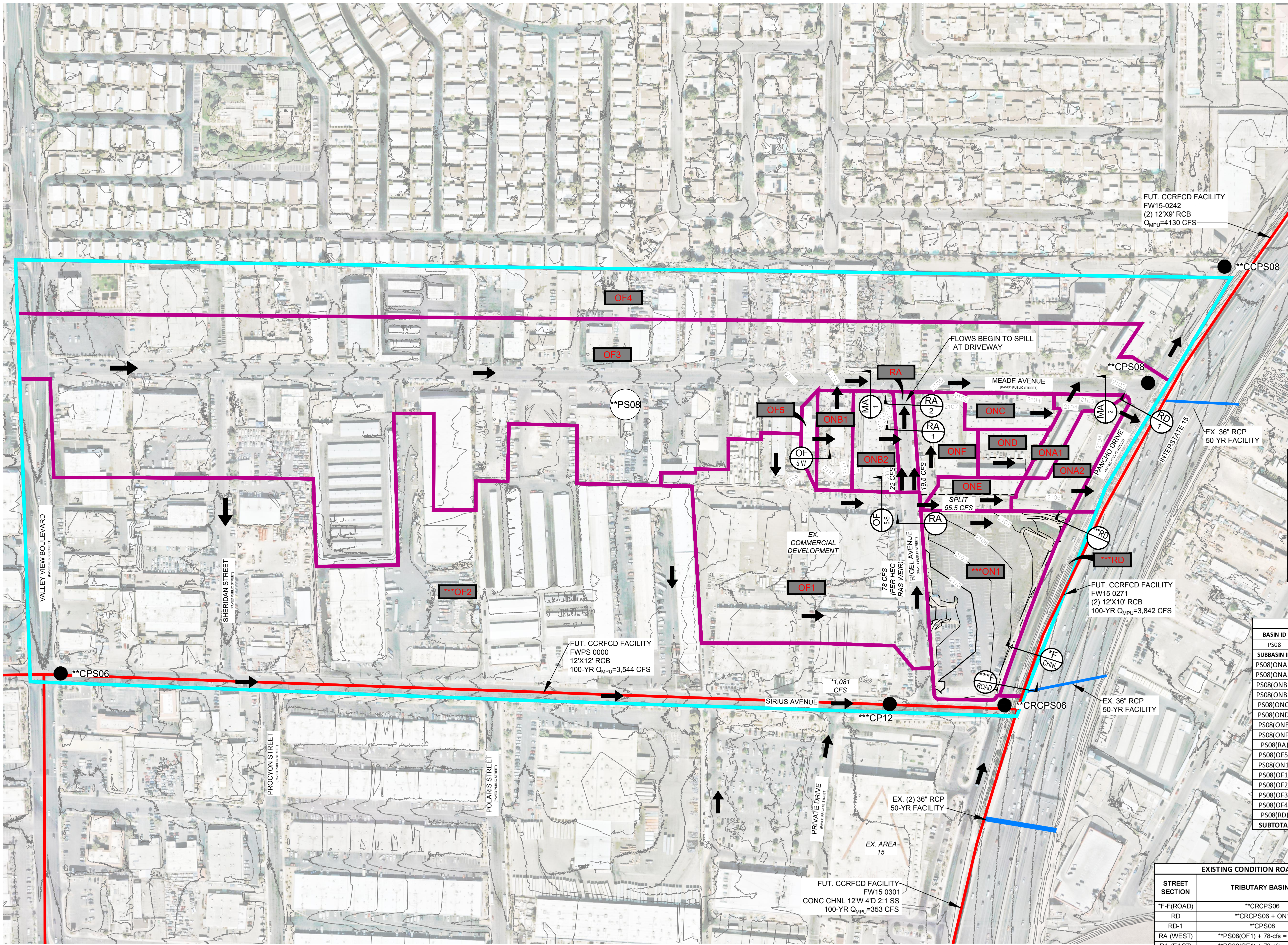


Appendix A – Documents & Figures

- Assessor's Parcel Map
- FEMA FIRM Exhibit
- Figure F-29: CCRFCD 2018 MPU Flood Control Facilities & Inventory
- Figure W-Map: CCRFCD 2018 MPU Hydrologic Subareas, Land Use & Soils
- PRO-1: Overall Proposed Condition Drainage Map
- PRO-2: Onsite Proposed Condition Drainage Map

Plotted By: zofrea Chirra Sheet Set: kha Layout: EX-1 December 22, 2021 04:03:41pm K:\LAV Civil\092965009 - Area 15 Offsite Lots (Fisher Brothers)\Reports\DRAINAGE\01_TDS\Figures\CAD\EX_recover.dwg
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GRAPHIC SCALE IN FEET
0 75 150 300

LEGEND

XXX

BASIN ID

XXXX

PRORATED BASIN ID

BASIN BOUNDARY

PRORATED BASIN BOUNDARY

FUTURE CCRFCD REGIONAL FACILITY

EXITING DRAINAGE FACILITY

FLOW ARROW

CONCENTRATION POINT

SECTION ID

* REFERENCED FROM AREA 15 STUDY (DS-4921)
** REFERENCED FROM CITY OF LAS VEGAS CENTRAL NEIGHBORHOOD STUDY
***REFERENCED FROM AREA 15 EVENT PARKING LOT (DS-5288)

NOTE:
1,081-CFS REFERENCED FOR FLOWRATE AT INTERSECTION OF PRIVATE DRIVEWAY & SIRIUS AVENUE. REFER TO APPENDIX D FOR REFERENCE Q.

Existing / Proposed Condition Flow Summary			
Basin ID / Comb Pt	Area / Tributary Area (ac)	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)
**CPS06	N/A	1045	405
*CP05	N/A	31	18
*EX10	N/A	7	4
***CP12	N/A	1158	459
Q = 1081-CFS + **PS08(OF2)			
**CRCP506	N/A	2538	873
**PS08	114.56	235	100
**CPS08	N/A	2582	917
**CCPS08	N/A	3762	1226

Existing Condition Prorated Flow Summary					
BASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08	235	100	114.6	2.05	0.87
SUBBASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08(ON1)	1	0.5	0.6	2.05	0.87
PS08(ON2)	2.5	1	1.1	2.05	0.87
PS08(ONB1)	2	1	0.8	2.05	0.87
PS08(ONB2)	2	1	1.0	2.05	0.87
PS08(ONC)	1	0.5	0.7	2.05	0.87
PS08(OND)	1	0.5	0.6	2.05	0.87
PS08(ONE)	1	0.5	0.6	2.05	0.87
PS08(ONF)	2.5	1	1.2	2.05	0.87
PS08(RA)	1	<1	0.4	2.05	0.87
PS08(OF5)	1	<1	0.3	2.05	0.87
PS08(ON1)	9	4	4.4	2.05	0.87
PS08(OF1)	19	8	9.2	2.05	0.87
PS08(OF2)	77	33	37.5	2.05	0.87
PS08(OF3)	84	36	40.9	2.05	0.87
PS08(OF4)	29	12	14.2	2.05	0.87
PS08(RD)	2	1	1.1	2.05	0.87
SUBTOTAL	235	100	114.6	-	-

EXISTING CONDITION ROADWAY HYDRAULIC SECTIONS SUMMARY TABLE						
STREET SECTION	TRIBUTARY BASINS	CHANNEL SLOPE %	Q ₁₀₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ² /s
*F-F(ROAD)	**CRCP506	0.70	2,538	3.58	10.46	37.45
RD	**CRCP506 + ON1	0.60	2,547	7.25	9.26	67.14
RD-1	**CPS08	0.25	2,582	7.41	7.48	55.43
RA (WEST)	**PS08(OF1) + 78-cfs = 97 cfs	1.00	22.0	0.63	3.34	2.10
RA (EAST)	**PS08(OF1) + 78-cfs = 97 cfs	1.00	19.5	0.50	2.92	1.46
RA-1 (CAPACITY)	(WEST) +(EAST) + 1/2OF5 + 1/2ONB2+RA = 43 cfs - (SPLIT 25 cfs)=18 cfs	0.70	18.0	0.50	2.80	1.40
RA-2 (CAPACITY)	RA-1 (CAPACITY) + 1/2ONB2 = 19 cfs - SPLIT 14 cfs) = 5 cfs	0.30	5.0	0.49	1.59	0.78
MA-1	OF5+1/2OF3+ONB1	3.30	86.5	0.64	6.18	3.96
MA-2	(WEST)+(EAST)+OF5+ONB1+ONB2+RA+ ONF+ONC+OF3	0.30	135.0	1.02	3.51	3.58

SECTIONS F-F(ROAD) & RD: FLOW DEPTH TAKEN FROM CHANNEL FLOWLINE
OFFSET CROWN AT RANCHO FOR SECTION F-F
78-CFS PER RAS ANALYSIS FLOWS NORTH IN RIGEL AVENUE

CHANNEL HYDRAULIC SECTIONS SUMMARY TABLE						
ID	TRIBUTARY BASINS	CHANNEL SLOPE	Q ₁₀₀	FLOW DEPTH	VELOCITY	D ² /V
		%	(cfs)	(ft)	(ft/s)	ft ² /s
*F-F(CHNL)	Channel Capacity	0.70	270	3.00	6.43	19.29
OF5(West)	1/2 OF5	2.00	0.5	0.07	2.55	0.18
OF5(South)	1/2 OF5	3.00	0.5	0.20	1.58	0.32
RD-1 (CHNL)	Channel Capacity	0.25	302	4.62	3.01	13.91

AREA 15
OFFSITE LOTS
PREPARED FOR
AREA 15 LAS VEGAS, LLC.
CITY OF LAS VEGAS
NEVADA

OVERALL
EXISTING CONDITION
DRAINAGE MAP

EX-1

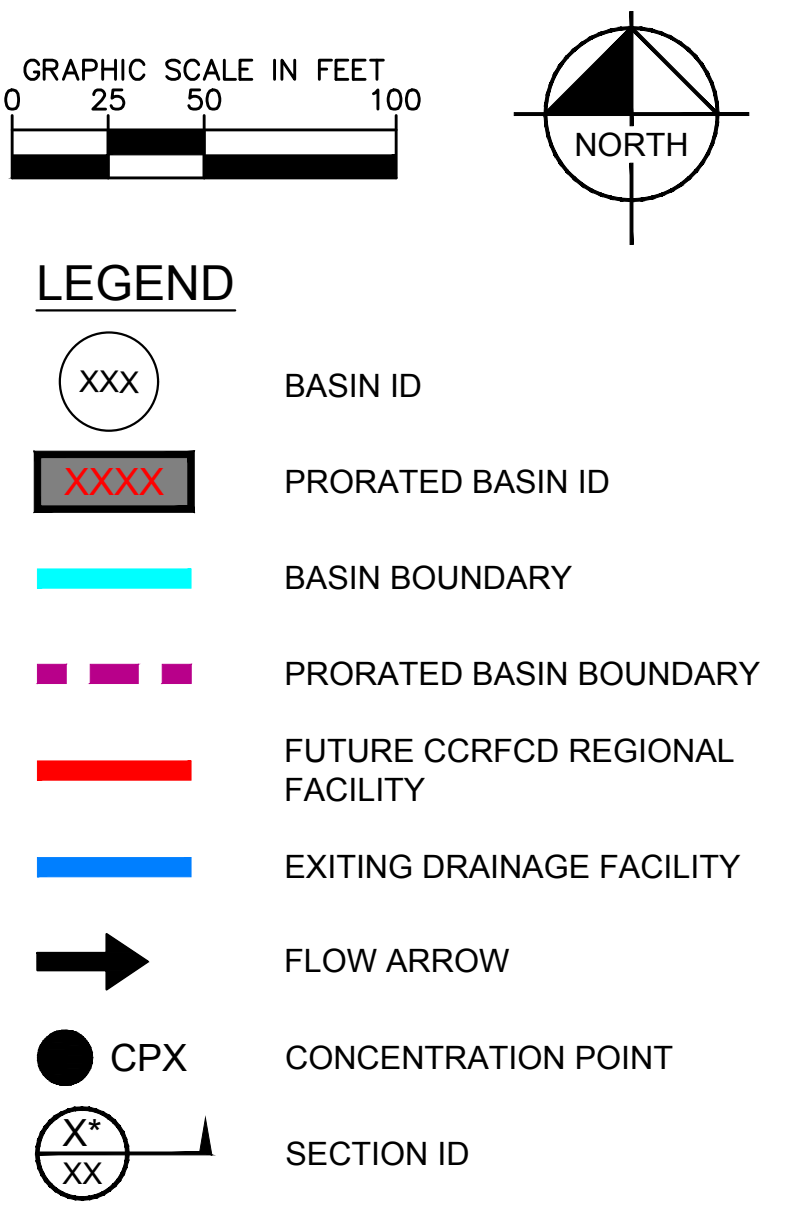
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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

No.

REVISIONS

DATE

BY



REFERENCED FROM AREA 15 STUDY (DS-4921)
 * REFERENCED FROM CITY OF LAS VEGAS CENTRAL
 NEIGHBORHOOD STUDY
 ** REFERENCED FROM AREA 15 EVENT PARKING LOT
 (DS-5288)

 NOTE:
 1. AREA 15, 081-CFS REFERENCED FOR FLOWRATE AT
 INTERSECTION OF PRIVATE DRIVEWAY & SIRIUS
 AVENUE. REFER TO APPENDIX D FOR REFERENCE

Existing Condition Prorated Flow Summary					
BASIN ID	Q100 (cfs)	Q10 (cfs)	AREA (ac)	Q100 (cfs/ac)	Q10 (cfs/ac)
PS08	235	100	114.6	2.05	0.87
SUBBASIN ID	Q100 (cfs)	Q10 (cfs)	AREA (ac)	Q100 (cfs/ac)	Q10 (cfs/ac)
PS08(ONA1)	1	0.5	0.6	2.05	0.87
PS08(ONA2)	2.5	1	1.1	2.05	0.87
PS08(ONB1)	2	1	0.8	2.05	0.87
PS08(ONB2)	2	1	1.0	2.05	0.87
PS08(ONC)	1	0.5	0.7	2.05	0.87
PS08(OND)	1	0.5	0.6	2.05	0.87
PS08(ONE)	1	0.5	0.6	2.05	0.87
PS08(ONF)	2.5	1	1.2	2.05	0.87
PS08(RA)	1	<1	0.4	2.05	0.87
PS08(OF5)	1	<1	0.3	2.05	0.87
PS08(ON1)	9	4	4.4	2.05	0.87
PS08(OF1)	19	8	9.2	2.05	0.87
PS08(OF2)	77	33	37.5	2.05	0.87
PS08(OF3)	84	36	40.9	2.05	0.87
PS08(OF4)	29	12	14.2	2.05	0.87
PS08(RD)	2	1	1.1	2.05	0.87

Existing / Proposed Condition Flow Summary			
Basin ID / Comb Pt	Area / Tributary Area (ac)	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)
**CPS06	N/A	1045	405
*CP05	N/A	31	18
*EX10	N/A	7	4
**CP12	N/A	1158	459
Q = 1081-CFS + **P508(OF2)	N/A		
**CRCP506	N/A	2538	873
**P508	114.56	235	100
**CP508	N/A	2582	917
**CCP508	N/A	3762	1226

EXISTING CONDITION ROADWAY HYDRAULIC SECTIONS SUMMARY TABLE						
STREET SECTION	TRIBUTARY BASINS	CHANNEL SLOPE %	Q ₁₀₀ cfs	FLOW DEPTH (ft)	VELOCITY (ft/s)	D'V ft ² /s
*F-F(ROAD)	**CRCP506	0.70	2,538	3.58	10.46	37.45
RD	**CRCP506 + ON1	0.60	2,547	7.25	9.26	67.14
RD-1	**CPS08	0.25	2,582	7.41	7.48	55.43
RA (WEST)	**PS08(OF1) + 78 cfs = 97 cfs	1.00	22.0	0.63	3.34	2.10
RA (EAST)	**PS08(OF1) + 78 cfs = 97 cfs	1.00	19.5	0.50	2.92	1.46
RA-1 (CAPACITY)	(WEST) +(EAST) +1/2OF5 +1/2ONB2+RA = 43 cfs - (SPLIT 25 cfs)=18 cfs	0.70	18.0	0.50	2.80	1.40
RA-2 (CAPACITY)	RA-1 (CAPACITY) +1/2ONB2 = 19 cfs - (SPLIT 14 cfs) = 5 cfs	0.30	5.0	0.49	1.59	0.78
MA-1	OF5+1/2OF3+ONB1	3.30	86.5	0.64	6.18	3.96
MA-2	(WEST)+(EAST)+OF5+ONB1+ONB2+RA+ONF+ONC+OF3	0.30	135.0	1.02	3.34	3.58

SECTIONS F-F(ROAD) & RD: FLOW DEPTH TAKEN FROM CHANNEL FLOWLINE
OFFSET CROWN AT RANCHO FOR SECTION F-F
78-CFS PER RAS ANALYSIS FLOWS NORTH IN RIGEL AVENUE

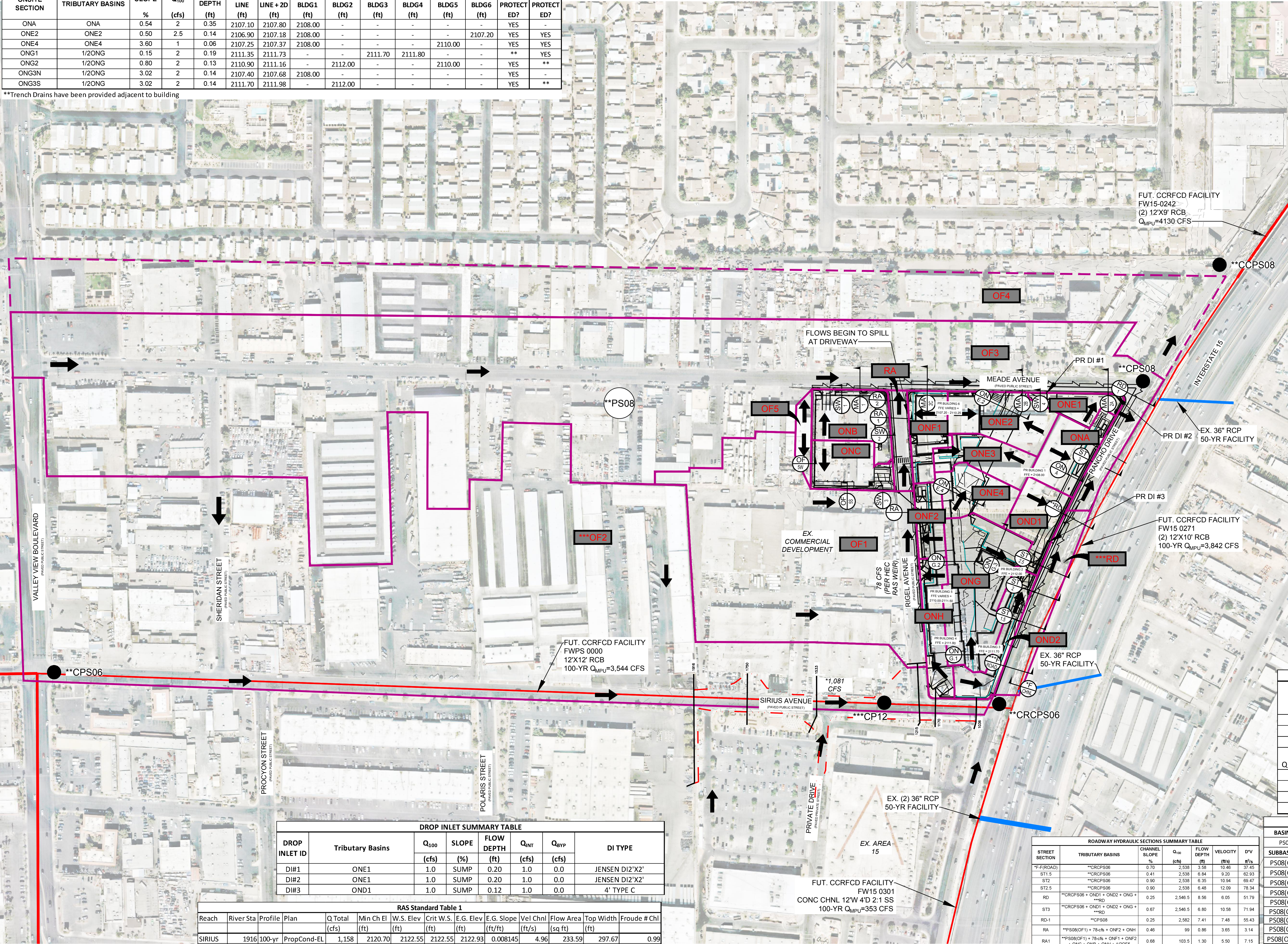
CHANNEL HYDRAULIC SECTIONS SUMMARY TABLE							
ID	TRIBUTARY BASINS	CHANNEL SLOPE %	Q ₁₀₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ^v ft ² /s	TYPE
"F-F"(CHNL)	Channel Capacity	0.70	270	3.00	6.43	19.29	TRAP 7 BW. 4:1 SS
OF5(West)	1/2 OF5	2.00	0.5	0.07	2.55	0.18	RECT 3BW. 0.1SS
OF5(South)	1/2 OF5	3.00	0.5	0.20	1.58	0.32	TRAP 0 BW. 8:1 SS
RD-1 (CHNL)	Channel Capacity	0.25	302	4.62	3.01	13.91	TRAP 7 BW. 4:1 SS

EX-2	AREA 15 OFFSITE LOTS PREPARED FOR AREA 15 LAS VEGAS, LLC. CITY OF LAS VEGAS NEVADA	ONSITE EXISTING CONDITION DRAINAGE MAP	KHA PROJECT 092965509 DATE 12/22/2021 SCALE AS SHOWN DESIGNED BY RRD DRAWN BY CZ CHECKED BY RRD	© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119 PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM	No. REVISIONS DATE BY
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Noted By: Schofield, Sean Sheet Set: KHA Layout: PRO-1 November 17, 2022 12:11:14pm K:\LAV_Civil\052965012 - Area 15 District 2 (Fisher Brothers)\Reports\DRAINAGE\01_TDS\Figures\OAD-PRO.dwg
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ONSITE HYDRAULIC SECTIONS													
ONSITE SECTION	TRIBUTARY BASINS	SLOPE	Q ₁₀₀	FLOW DEPTH	FLOW LINE	FLOW LINE + 2D	FFE	FFE	FFE	FFE	FFE	BLDG PROTECT	BLDG PROTECT
ONA	ONA	0.54	2	0.35	2107.10	2107.80	2108.00	-	-	-	-	2107.20	YES
ONE2	ONE2	0.50	2.5	0.14	2106.90	2107.18	2108.00	-	-	-	-	2107.20	YES
ONE4	ONE4	3.60	1	0.06	2107.25	2107.37	2108.00	-	-	-	-	2110.00	YES
ONG1	1/2ONG	0.15	2	0.19	2111.35	2111.73	-	-	2111.70	2111.80	-	-	**
ONG2	1/2ONG	0.80	2	0.13	2110.90	2111.16	-	-	-	-	-	-	YES
ONG3N	1/2ONG	3.02	2	0.14	2107.40	2107.68	2108.00	-	-	-	-	-	YES
ONG3S	1/2ONG	3.02	2	0.14	2111.70	2111.98	-	2112.00	-	-	-	-	YES

**Trench Drains have been provided adjacent to building



DROP INLET SUMMARY TABLE									
DROP INLET ID	Tributary Basins	Q ₁₀₀	SLOPE	FLOW DEPTH	Q _{INT}	Q _{BYP}	DI TYPE		
		(cfs)	(%)	(ft)	(cfs)	(cfs)			
DI#1	ONE1	1.0	SUMP	0.20	1.0	0.0	JENSEN DI2'X2'		
DI#2	ONE1	1.0	SUMP	0.20	1.0	0.0	JENSEN DI2'X2'		
DI#3	OND1	1.0	SUMP	0.12	1.0	0.0	4' TYPE C		

RAS Standard Table 1													
Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
SIRIUS	1916	100-yr	PropCond-EL	1,158	2120.70	2122.55	2122.55	2122.93	0.008145	4.96	233.59	297.67	0.99
SIRIUS	1750	100-yr	PropCond-EL	1,158	2116.50	2118.23	2118.93	2120.74	0.015487	14.09	95.80	97.00	2.14
SIRIUS	1533	100-yr	PropCond-EL	1,158	2112.00	2113.71	2114.66	2117.09	0.017377	15.05	79.46	83.06	2.29
SIRIUS	1245			Lat Struct									
SIRIUS	1215	100-yr	PropCond-EL	1,096	2109.25	2110.68	2111.04	2111.89	0.011742	10.27	129.87	184.50	1.88
SIRIUS	1170	100-yr	PropCond-EL	1,081	2108.93	2109.81	2110.22	2111.24	0.016094	9.89	117.19	197.44	1.98
SIRIUS	1036	100-yr	PropCond-EL	1,081	2108.20	2110.52	2110.52	2111.60	0.002889	8.52	132.14	61.50	1.01

CHANNEL HYDRAULIC SECTIONS SUMMARY TABLE													
ID	TRIBUTARY BASINS	CHANNEL SLOPE	Q ₁₀₀	FLOW DEPTH	VELOCITY	D'V	TYPE	SIDE SLOPES	BOTTOM WIDTH	Req'd			
*F-F(CHNL)	Channel Capacity	%	Q ₁₀₀	FLOW DEPTH	VELOCITY	D'V	TYPE	SIDE SLOPES	BOTTOM WIDTH	Req'd			
			(cfs)	(ft)	(ft/s)	(ft/s)			(ft)	(ft)			
SW1	ONB	1.00	2	0.54	1.73	0.93	V - Ditch	4:1	N/A	6"			
SW2	ONB	0.25	2	0.70	1.03	0.72	V - Ditch	4:1	N/A	6"			
SW3	ONC+ 1/2OF5	1.00	2.5	0.54	1.73	0.93	V - Ditch	4:1	N/A	6"			
SW4	ONE1	1.01	1	0.15	2.36	0.35	V-Ditch	50:1	N/A	N/A			
OF5W	1/2OF5	2.74	0.5	0.06	2.81	0.17	Concrete Flume	0:1	3	N/A			
OF5S	1/2OF5 + ONC	1.01	2.5	0.40	3.87	1.55	V - Ditch	4:1	N/A	N/A			

ROADWAY HYDRAULIC SECTIONS SUMMARY TABLE									
STREET SECTION	TRIBUTARY BASINS	CHANNEL SLOPE	Q ₁₀₀	FLOW DEPTH	VELOCITY	D'V			
*F-F(ROAD)	Channel Capacity	%	Q ₁₀₀	FLOW DEPTH	VELOCITY	D'V			
			(cfs)	(ft)	(ft/s)	(ft/s)			
ST1.5	**CRCP06	0.41	2,538	3.58	10.46	37.43			
ST2	**CRCP06	0.41	2,538	6.35	10.94	69.47			
ST2.5	**CRCP06	0.90	2,538	6.48	12.09	78.34			
RD	**CRCP06 + OND1 + OND2 + OND3 + OND4 + OND5 + OND6 + OND7 + OND8 + OND9 + OND10 + OND11 + OND12 + OND13 + OND14 + OND15 + OND16 + OND17 + OND18 + OND19 + OND20 + OND21 + OND22 + OND23 + OND24 + OND25 + OND26 + OND27 + OND28 + OND29 + OND30 + OND31 + OND32 + OND33 + OND34 + OND35 + OND36 + OND37 + OND38 + OND39 + OND40 + OND41 + OND42 + OND43 + OND44 + OND45 + OND46 + OND47 + OND48 + OND49 + OND50 + OND51 + OND52 + OND53 + OND54 + OND55 + OND56 + OND57 + OND58 + OND59 + OND60 + OND61 + OND62 + OND63 + OND64 + OND65 + OND66 + OND67 + OND68 + OND69 + OND70 + OND71 + OND72 + OND73 + OND74 + OND75 + OND76 + OND77 + OND78 + OND79 + OND80 + OND81 + OND82 + OND83 + OND84 + OND85 + OND86 + OND87 + OND88 + OND89 + OND90 + OND91 + OND92 + OND93 + OND94 + OND95 + OND96 + OND97 + OND98 + OND99 + OND100	0.25	2,546.5	8.56	6.05	51.79			
ST3	**CRCP06 + OND1 + OND2 + OND3 + OND4 + OND5 + OND6 + OND7 + OND8 + OND9 + OND10 + OND11 + OND12 + OND13 + OND14 + OND15 + OND16 + OND17 + OND18 + OND19 + OND20 + OND21 + OND22 + OND23 + OND24 + OND25 + OND26 + OND27 + OND28 + OND29 + OND30 + OND31 + OND32 + OND33 + OND34 + OND35 + OND36 + OND37 + OND38 + OND39 + OND40 + OND41 + OND42 + OND43 + OND44 + OND45 + OND46 + OND47 + OND48 + OND49 + OND50 + OND51 + OND52 + OND53 + OND54 + OND55 + OND56 + OND57 + OND58 + OND59 + OND60 + OND61 + OND62 + OND63 + OND64 + OND65 + OND66 + OND67 + OND68 + OND69 + OND70 + OND71 + OND72 + OND73 + OND74 + OND75 + OND76 + OND77 + OND78 + OND79 + OND80 + OND81 + OND82 + OND83 + OND84 + OND85 + OND86 + OND87 + OND88 + OND89 + OND90 + OND91 + OND92 + OND93 + OND94 + OND95 + OND96 + OND97 + OND98 + OND99 + OND100	0.67	2,546.5	6.80	10.58	71.94			
RD-1	**CRCP06	0.25	2,562	7.41	7.48	55.43			
RA	**PS08(OFF1) + 78c6 + ONF2 + ONH	0.46	99	0.86	3.65	3.14			
RA1	**PS08(OFF1) + 78c6 + ONF1 + ONF2 + ONC + ONB + ONH + 1/2OF5	0.68	103.5	1.30	5.50	7.15			
RA2	**PS08(OFF1) + 78c6 + ONF1 + ONF2 + ONC + ONB + ONH + ONH + 1/2OF5	0.60	103.5	1.33	5.26	7.00			
MA1	**PS08(OFF3) + 1/2OF5	3.37	85.0	0.69	6.32	4.36			
MA2A	**PS08(OFF1) + **PS08(OFF3) + **PS08(OFF5) + 78c6 + RA + ONB + ONC + ONE1 + ONE2 + ONE3 + ONE4 + ONE5 + ONE6 + ONE7 + ONE8 + ONE9 + ONE10 + ONE11 + ONE12 + ONE13 + ONE14 + ONE15 + ONE16 + ONE17 + ONE18 + ONE19 + ONE20 + ONE21 + ONE22 + ONE23 + ONE24 + ONE25 + ONE26 + ONE27 + ONE28 + ONE29 + ONE30 + ONE31 + ONE32 + ONE33 + ONE34 + ONE35 + ONE36 + ONE37 + ONE38 + ONE39 + ONE40 + ONE41 + ONE42 + ONE43 + ONE44 + ONE45 + ONE46 + ONE47 + ONE48 + ONE49 + ONE50 + ONE51 + ONE52 + ONE53 + ONE54 + ONE55 + ONE56 + ONE57 + ONE58 + ONE59 + ONE60 + ONE61 + ONE62 + ONE63 + ONE64 + ONE65 + ONE66 + ONE67 + ONE68 + ONE69 + ONE70 + ONE71 + ONE72 + ONE73 + ONE74 + ONE75 + ONE76 + ONE77 + ONE78 + ONE79 + ONE80 + ONE81 + ONE82 + ONE83 + ONE84 + ONE85 + ONE86 + ONE87 + ONE88 + ONE89 + ONE90 + ONE91 + ONE92 + ONE93 + ONE94 + ONE95 + ONE96 + ONE97 + ONE98 + ONE99 + ONE100	0.30	196.5	1.22	4.21	5.14			
MA2B	**PS08(OFF1) + **PS08(OFF3) + **PS08(OFF5) + 78c6 + RA + ONB + ONC + ONE1 + ONE2 + ONE3 + ONE4 + ONE5 + ONE6 + ONE7 + ONE8 + ONE9 + ONE10 + ONE11 + ONE12 + ONE13 + ONE14 + ONE15 + ONE16 + ONE17 + ONE18 + ONE19 + ONE20 + ONE21 + ONE22 + ONE23 + ONE24 + ONE25 + ONE26 + ONE27 + ONE28 + ONE29 + ONE30 + ONE31 + ONE32 + ONE33 + ONE34 + ONE35 + ONE36 + ONE37 + ONE38 + ONE39 + ONE40 + ONE41 + ONE42 + ONE43 + ONE44 + ONE45 + ONE46 + ONE47 + ONE48 + ONE49 + ONE50 + ONE51 + ONE52 + ONE53 + ONE54 + ONE55 + ONE56 + ONE57 + ONE58 + ONE59 + ONE60 + ONE61 + ONE62 + ONE63 + ONE64 + ONE65 + ONE66 + ONE67 + ONE68 + ONE69 + ONE70 + ONE71 + ONE72 + ONE73 + ONE74 + ONE75 + ONE76 + ONE77 + ONE78 + ONE79 + ONE80 + ONE81 + ONE82 + ONE83 + ONE84 + ONE85 + ONE86 + ONE87 + ONE88 + ONE89 + ONE90 + ONE91 + ONE92 + ONE93 + ONE94 + ONE95 + ONE96 + ONE97 + ONE98 + ONE99 + ONE100	0.51	195.5	1.07	4.92	5.28			
MA2C	**PS08(OFF1) + **PS08(OFF3) + **PS08(OFF5) + 78c6 + RA + ONB + ONC + ONE1 + ONE2 + ONE3 + ONE4 + ONE5 + ONE6 + ONE7 + ONE8 + ONE9 + ONE10 + ONE11 + ONE12 + ONE13 + ONE14 + ONE15 + ONE16 + ONE17 + ONE18 + ONE19 + ONE20 + ONE21 + ONE22 + ONE23 + ONE24 + ONE25 + ONE26 + ONE27 + ONE28 + ONE29 + ONE30 + ONE31 + ONE32 + ONE33 + ONE34 + ONE35 + ONE36 + ONE37 + ONE38 + ONE39 + ONE40 + ONE41 + ONE42 + ONE43 + ONE44 + ONE45 + ONE46 + ONE47 + ONE48 + ONE49 + ONE50 + ONE51 + ONE52 + ONE53 + ONE54 + ONE55 + ONE56 + ONE57 + ONE58 + ONE59 + ONE60 + ONE61 + ONE62 + ONE63 + ONE64 + ONE65 + ONE66 + ONE67 + ONE68 + ONE69 + ONE70 + ONE71 + ONE72 + ONE73 + ONE74 + ONE75 + ONE76 + ONE77 + ONE78 + ONE79 + ONE80 + ONE81 + ONE82 + ONE83 + ONE84 + ONE85 + ONE86 + ONE87 + ONE88 + ONE89 + ONE90 + ONE91 + ONE92 + ONE93 + ONE94 + ONE95 + ONE96 + ONE97 + ONE98 + ONE99 + ONE100	1.41	190	0.86	6.63	5.70			

SECTIONS F-F(ROAD) & RD: FLOW DEPTH TAKEN FROM CHANNEL FLOWLINE OFFSET CROWN AT RANCHO FOR SECTION F-F
78-CFS PER RAS ANALYSIS FLOWS NORTH IN RIGEL AVENUE

Existing / Proposed Condition Flow Summary				
Basin ID / Comb Pt	Area / Tributary Area (ac)	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	
**CPS06	N/A	1045	405	
*CP05	N/A	31	18	
*EX10	N/A	7	4	
***CP12	N/A	1158	459	
Q = 1081-CFS + **PS08(OFF2)	N/A	2538	873	
**CRCP06	N/A	2538	873	
**PS08	114.56	235	100	
**CPS08	N/A	2582	917	
**CPS08	N/A	3762	1226	

Prorated Flow Summary					
BASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08	235	100	114.6	2.05	0.87
SUBBASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08(OFF1)	19	8	9.2	2.05	0.87
PS08(OFF2)	77	33	37.5	2.05	0.87
PS08(OFF3)	84	36	40.9	2.05	0.87
PS08(OFF4)	29	12	14.2	2.05	0.87
PS08(OFF5)	1	<1	0.3	2.05	0.87
PS08(OFF6)	2	1	0.8	2.05	0.87
PS08(OFF7)	2	1	1.0	2.05	0.87
PS08(OFF8)	2	1	0.8	2.05	0.87
PS08(OFF9)	1	0.5	0.7	2.05	0.87
PS08(OFF10)	1	0.5	0.7	2.05	0.87
PS08(OFF11)	1	<1	0.4	2.05	0.87
PS08(OFF12)	2.5	1	1.1	2.05	0.87
PS08(OFF13)	1	0.5	0.7	2.05	0.87
PS08(OFF14)	2	1	0.8	2.05	0.87
PS08(OFF15)	1	0.5	0.7	2.05	0.87
PS08(OFF16)	1	0.5	0.5	2.05	0.87
PS08(OFF17)	4	2	2.1	2.05	0.87
PS08(OFF18)	1	0.5	0.7	2.05	0.87
PS08(OFF19)	2.5	1	1.1	2.05	0.87
PS08(OFF20)	1	<1	0.4	2.05	0.87
SUBTOTAL	235	100	114.6	-	-

OVERALL
PROPOSED CONDITION
DRAINAGE MAP

AREA 15
DISTRICT 2
PREPARED FOR
NEW VEGAS HOLDING COMPANY, LLC
CITY OF LAS VEGAS

KHA PROJECT
092965011

DATE
10/25/2022

SCALE
AS SHOWN

DESIGNED BY
TEA

DRAWN BY
SS

CHECKED BY
RD

Kimley»Horn

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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

NO.

REVISIONS

DATE

BY

Prorated Flow Summary					
BASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08	235	100	114.6	2.05	0.87
SUBBASIN ID	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	Q ₁₀₀ (cfs/ac)	Q ₁₀ (cfs/ac)
PS08(OF1)	19	8	9.2	2.05	0.87
PS08(OF2)	77	33	37.5	2.05	0.87
PS08(OF3)	84	36	40.9	2.05	0.87
PS08(OF4)	29	12	14.2	2.05	0.87
PS08(OF5)	1	<1	0.3	2.05	0.87
PS08(ONA)	2	1	0.8	2.05	0.87
PS08(ONB)	2	1	1.0	2.05	0.87
PS08(ONC)	2	1	0.8	2.05	0.87
PS08(OND1)	1	0.5	0.7	2.05	0.87
PS08(OND2)	1	0.5	0.7	2.05	0.87
PS08(ONE1)	1	<1	0.4	2.05	0.87
PS08(ONE2)	2.5	1	1.1	2.05	0.87
PS08(ONE3)	1	0.5	0.7	2.05	0.87
PS08(ONE4)	2	1	0.8	2.05	0.87
PS08(ONF1)	1	0.5	0.7	2.05	0.87
PS08(ONF2)	1	0.5	0.5	2.05	0.87
PS08(ONG)	4	2	2.1	2.05	0.87
PS08(ONH)	1	0.5	0.7	2.05	0.87
PS08(RD)	2.5	1	1.1	2.05	0.87
PS08(RA)	1	<1	0.4	2.05	0.87
SUBTOTAL	235	100	114.6	-	-

NOTES

This map is for assessment use only and does NOT represent a survey.

No liability is assumed for the accuracy of the data delineated herein. Information on roads and other non-assessed parcels may be obtained from the Road Document Listing in the Assessor's Office.

This map is compiled from official records, including surveys and deeds, but only contains the information required for assessment. See the recorded documents for more detailed legal information.

USE THIS SCALE (FEET) WHEN MAP REDUCED FROM 11X17 ORIGINAL

0100200400600800

MAP LEGEND

—

PARCEL BOUNDARY

—

SUB BOUNDARY

—

PM/LD BOUNDARY

—

ROAD EASEMENT

—

MATCH / LEADER LINE

—

HISTORIC LOT LINE

—

HISTORIC SUB BOUNDARY

—

HISTORIC PM/LD BOUNDARY

—

SECTION LINE

CONDOMINIUM UNIT

AIR SPACE PCL

RIGHT OF WAY PCL

SUB-SURFACE PCL

001

ROAD PARCEL NUMBER

001

PARCEL NUMBER

1.00

ACREAGE

202

PARCEL SUB/SEQ NUMBER

PB 24-45

PLAT RECORDING NUMBER

5

BLOCK NUMBER

5

LOT NUMBER

GL5

GOV. LOT NUMBER

BOOK

T21S R61E

37138

139

140

64163

162

161

75176

177

178

Scale: 1" = 200'

Rev: 9/8/2022

SEC.

8

MAP

N 2 SW 4

162-08-3



NOTES

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0100200400600800

USE THIS SCALE (FEET) WHEN MAP REDUCED FROM 11X17 ORIGINAL

MAP LEGEND

—

PARCEL BOUNDARY

—

SUB BOUNDARY

—

PM/LD BOUNDARY

—

ROAD EASEMENT

—

MATCH / LEADER LINE

—

HISTORIC LOT LINE

—

HISTORIC SUB BOUNDARY

—

HISTORIC PM/LD BOUNDARY

—

SECTION LINE

□

CONDOMINIUM UNIT

□

AIR SPACE PCL

□

RIGHT OF WAY PCL

□

SUB-SURFACE PCL

001

ROAD PARCEL NUMBER

001

PARCEL NUMBER

1.00

ACREAGE

202

PARCEL SUB/SEQ NUMBER

PB 24-45

PLAT RECORDING NUMBER

5

BLOCK NUMBER

5

LOT NUMBER

GL5

GOV. LOT NUMBER

BOOK

T21S R61E

SEC.

8

MAP

N 2 SE 4

162-08-7

7138139140

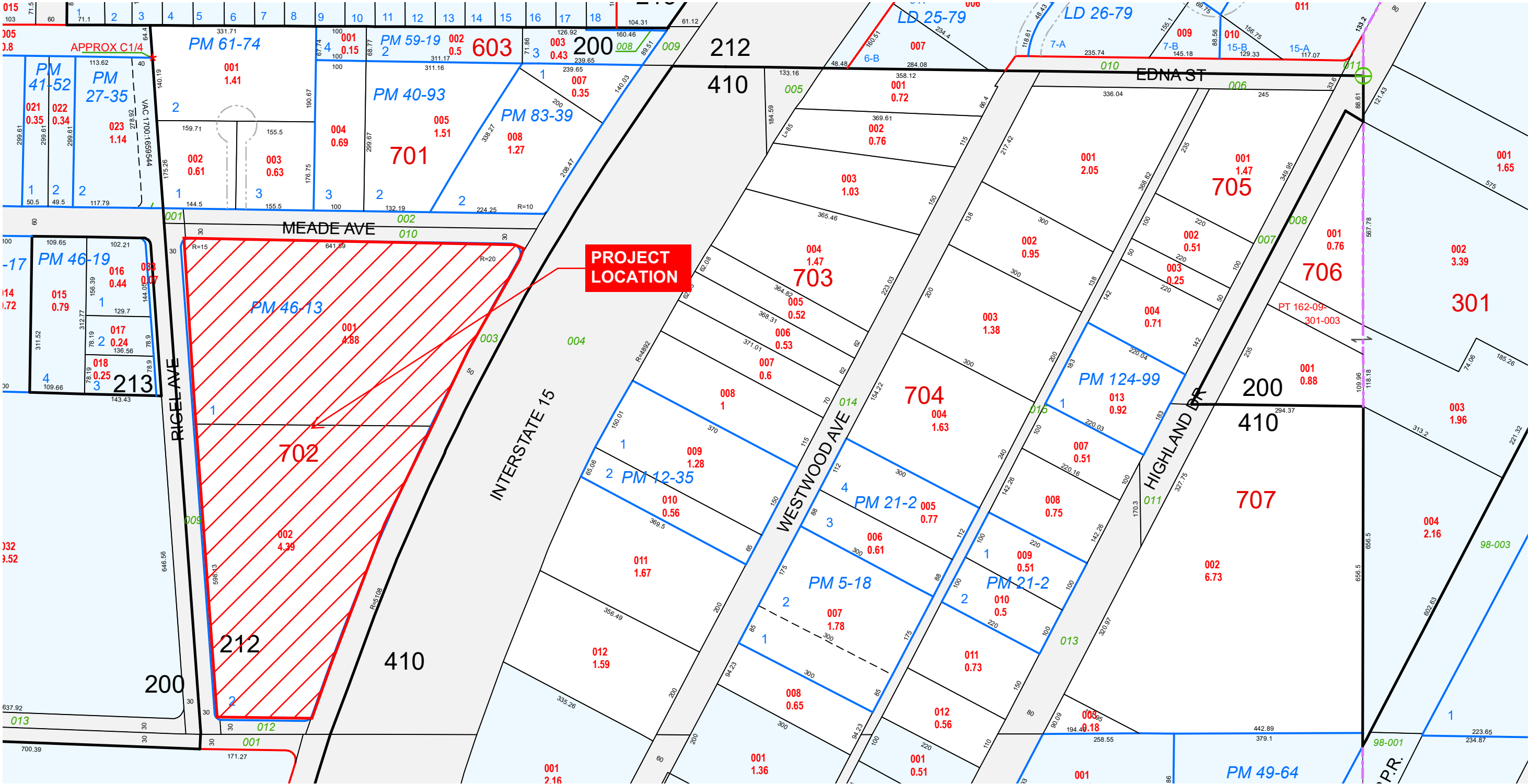
54163162161

75176177178

Scale: 1" = 200'

Rev: 10/2/2019

CLARK COUNTY
NEVADA





LEGEND

- Remove & Replace/Parallel Facilities**

Category A	Category B
Channel	Channel
Stormdrain	Stormdrain
 Crossing	 Crossing



AerialSource:Esri World Imagery 2017

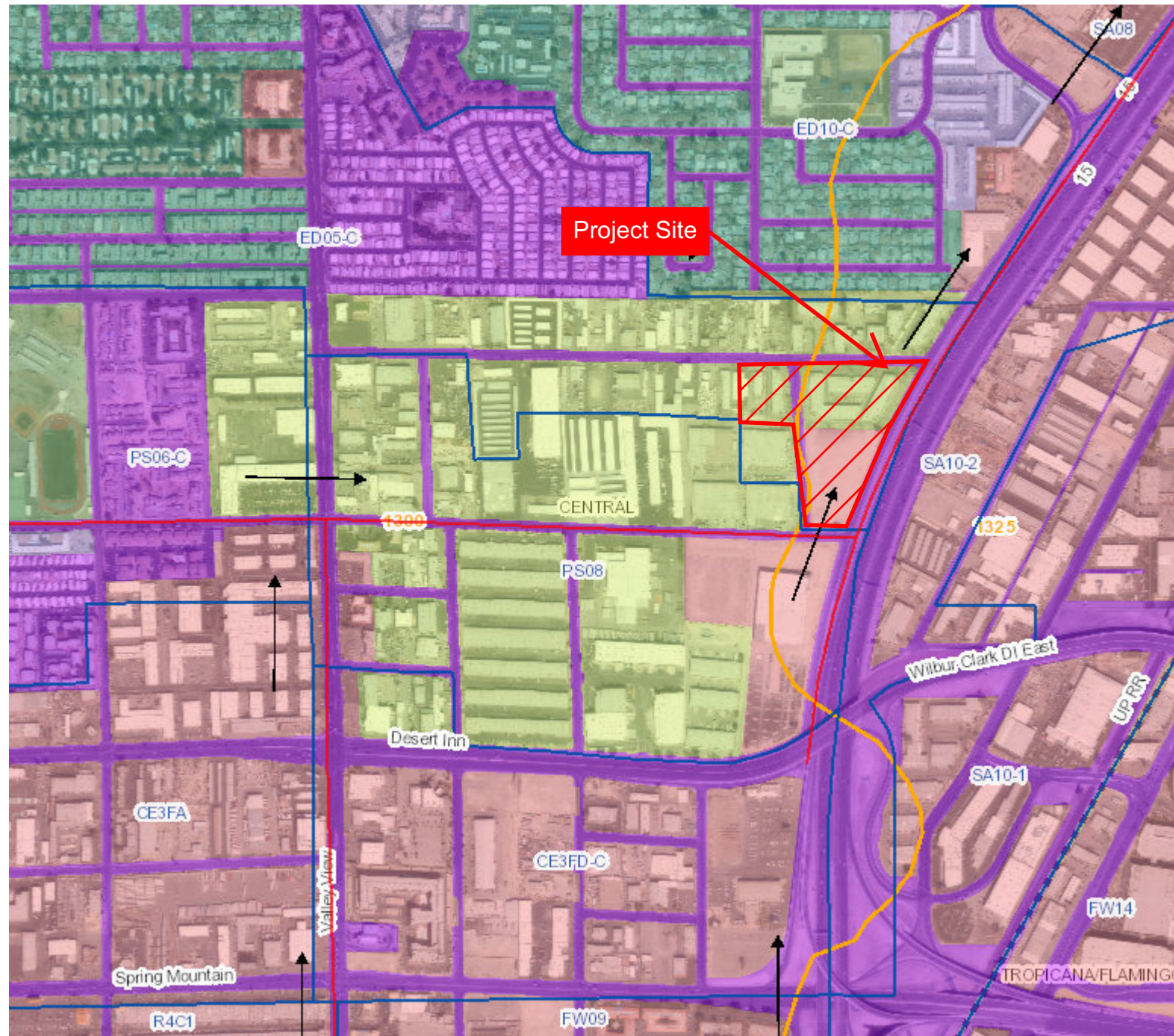


ID / Mile	Status	Facility Description	Length (ft.)	Flow (cfs)	HEC-1 Node	HEC-1 Model	Tributary Area (sq.mi.)	Channel Slope (%) **
BHSA		BOULDER HIGHWAY SAHARA AVENUE						
0175	P	14' X 14' RCB	6000	3952	CSA13	SW3	7.93	0.67
0289	P	14' X 12' RCB	2300	3669	CSA11	SW3	7.55	0.87
0331	P	14' X 11' RCB	2000	3346	CSA10-1	SW3	7.15	1.00
CHRA		WEST CHARLESTON DRAINS - RANCHO						
0000	E	6' X 5' RCB	310	302	CAL95	SW3	0.62	1.92
0006	E	5' X 5' RCB	420	302	CAL95	SW3	0.62	1.00
0014	E	5' X 4' RCB	600	302	CAL95	SW3	0.62	1.50
FLBN		FLAMINGO - BOULDER HIGHWAY NORTH						
0312	P	7' X 4' RCB	2160	621	CCH52	SW3	0.62	4.20
0342	P	7' X 4' RCB	2425	621	CCH52	SW3	0.62	4.20
FLDY		FLAMINGO WASH - DARBY STORM DRAIN						
0000	E	84" RCP	100	611	CLF24	FLAM3A	0.76	0.25
0002	E	10' X 3' RCB	50	611	CLF24	FLAM3A	0.76	0.25
0004	E	60" RCP	680	611	CLF24	FLAM3A	0.76	2.80
FLFA		FLAMINGO - FASHION						
0000	E	12' X 5' RCB	2050	720	CFW17N	FLAM3A	0.72	0.28
0037	E	8' X 5' RCB	3080	492	FW14	FLAM3A	0.44	0.45
FLLA		FLAMINGO WASH - LATERAL (FLAMINGO RAINBOW)						
0254	E	90" RCP	2730	572	CLF27	FLAM3B	0.51	0.40
0304	P0	MODIFY SPILLWAY, RAISE HEIGHT BY 1' (REPLACES FLA0305)		1556	CLF25	FLAM3A	1.03	
0305	E	1,556 CFS PMF SPILLWAY (REPLACE W/ FLA0304)		1556	CLF25	FLAM3A	1.03	
0306	E	30" RCP WITH 18" ORIFICE OUTLET	203	30	DIDB	FLAM3A	1.03	0.43
0308	E	62 AC-FT DESERT INN DETENTION BASIN		813	CLF25	FLAM3A	1.03	
0309	P0	UPGRADE TO 70 AC-FT DESERT INN DETENTION BASIN		813	CLF25	FLAM3A	1.03	
0322	E	81" RCP	1370	245	LF25	FLAM3A	0.27	0.50
0345	E	81" RCP	1340	245	LF25	FLAM3A	0.27	0.50
0369	E	72" RCP	670					0.50
0379	E	66" RCP	1320					0.50
FW15		FREEWAY CHANNEL FROM DESERT INN TO EXPRESSWAY						
0000	E	3: 12' X 10' RCB	2170	3685	CAL93	Boulder4	8.93	0.17
0010	E	3: 12' X 10' RCB	677	3506	CAL96	Boulder4	8.70	0.17
0038	E	3: 12' X 10' RCB	1945	3399	CCCH22	Boulder4	8.52	0.17
0050	E	3: 12' X 10' RCB	870	2613	CCH50	SW4	8.48	0.17
0089	E	2: 18' X 10' RCB	1200	2485	CDWAL2	SW4	8.28	0.20
0100	E	2: 18' X 10' RCB	1510	2324	CDK11C	SW3	7.83	0.60
0125	E	2: 10' X 8' RCB	267	1450	DDCSA08	SW3	6.67	0.80
0130	E	20' X 8' RCB	1176	1450	DDCSA08	SW3	6.67	0.57
0150	E	2: 10' X 8' RCB	760	1450	DDCSA08	SW3	6.67	0.80
0175	E	2: 10' X 8' RCB	985	1450	DDCSA08	SW3	6.67	0.75
0214	P	2: 12' X 10' RCB	1610	4269	CE010-C	SW3	6.25	0.73
0242	P	2: 12' X 9' RCB	1500	4130	CC0PS08	SW3	6.03	0.93
0271	P	2: 12' X 10' RCB	1520	3842	CC0PS08	SW3	5.49	0.59
0301	P	CONC CHNL 12'W 4'D 2:1 SS	1300	353	CCE3FD-C	SW3	0.42	0.42
FWCH		WEST CHARLESTON DRAIN						
0000	E	10' X 7' RCB	1710	1044	CCH22	SW3	1.38	0.74
0020	E	10' X 7' RCB	840	824	CCCH18-C	SW3	1.15	0.40
0036	E	9' X 7' RCB	425	824	CCCH18-C	SW3	1.15	0.40
0044	E	9' X 7' RCB	145	561	CCH18-C	SW3	0.53	0.40
0047	E	7' X 5' RCB	710	561	CCH18-C	SW3	0.53	2.05
0060	E	5' X 4' RCB	400	561	CCH18-C	SW3	0.53	0.40
FWOK		OAKEY DRAIN						
0000	E	10' X 8' RCB	1350	960	1COK11C	SW3	1.16	0.62
0020	E	10' X 8' RCB	1025	960	1COK11C	SW3	1.16	0.60
0040	E	8' X 8' RCB	960	749	COK10	SW3	0.85	1.00
0060	E	5' X 5' RCB	970	749	COK10	SW3	0.85	1.50
0076	E	5' X 6' RCB	1175	749	COK10	SW3	0.85	1.04
0100	E	5' X 5' RCB	2020	465	COK09-C	SW3	0.55	2.16
FWPS		PALMYRA / SIRIUS DRAIN						
0000	P	12' X 12' RCB	3000	3544	CPS08	SW3	5.07	1.50
0057	P	10' X 10' RCB	5220	2101	CPS06	SW3	2.78	1.28
0157	P	2: 66" RCP	5100	547	CPS03	SW3	0.59	1.15

ID / Mile	Status	Facility Description	Length (ft.)	Flow (cfs)	HEC-1 Node	HEC-1 Model	Tributary Area (sq.mi.)	Channel Slope (%) **
FWR2		FREEWAY CHANNEL - RAILROAD CHANNEL						
0000	E	5' X 4' RCB	377					1.60
0020	E	EARTH CHNL 10'W 4'D 2:1 SS	650					0.50
FWRR		FREEWAY CHANNEL BYPASS FACILITY RR BRANCH						
0000	E	48" RCP	70					1.22
0010	E	CONC CHNL 5'W 5'D 0:1 SS	220					1.22
FWSA		FREEWAY CHANNEL - SAHARA						
0000	P	7' X 5' RCB	5700	496	CSA08	SW3	0.42	1.49
FWSH		SHADOW LANE DRAIN						
0000	E	7' X 4' RCB	950	247	CH22-C	SW3	0.23	0.20
FWUP		FREEWAY CHANNEL BYPASS FACILITY						
0000	E	10' X 9' RCB	350	181	CH50	SW3	0.20	0.37
0010	E	10' X 8' RCB	804	181	CH50	SW3	0.20	0.37
0059	E	10' X 6' RCB	2680	181	CH50	SW3	0.20	0.40
0100	E	8' X 4' RCB	1440	181	CH50	SW3	0.20	0.47
FWVV		VALLEY VIEW DRAIN						
0000	P	12' X 11' RCB	1320	1549	CCE3FA	SW3	2.69	0.30
0025	P	10' X 10' RCB	2665	1059	CR4C1	SW3	1.74	0.30
0050	P	8' X 6' RCB	7785	750	DFW05	SW3	1.34	1.50
FWWL		FREEWAY CHANNEL-WALDMAN AVENUE						
0000	E	6' X 6' RCB	820	431	CWAL2	SW3	0.45	0.20
LCCH		LAS VEGAS CREEK CHANNEL						
0000	E	2: 12' X 7' RCB	730	3212	CAL93C	MEADOWS4	9.90	1.28
0013	E	2: 12' X 6' RCB	2035	3050	CLC20-C	MEADOWS4	9.60	0.82
0051	E	2: 14' X 7' RCB	3113	3050	CLC20-C	MEADOWS4	9.60	0.60
0110	E	TRANSITION STRUCTURE	220	3001	CCLC16-C	MEADOWS4	9.50	
0114	E	2: 14' X 7' RCB	670	2386	CRMEDET	MEADOWS4	8.19	0.80
0127	E	TRANSITION STRUCTURE	110	2386	CRMEDET	MEADOWS4	8.19	
0129	E	2: 14' X 7' RCB	1130	2386	CRMEDET	MEADOWS4	8.19	0.50
0150	E	2: 13' X 7' RCB	200	2386	CRMEDET	MEADOWS4	8.19	0.95
0154	E	TRANSITION STRUCTURE	190	2386	CRMEDET	MEADOWS4	8.19	
0157	E	2: 12' X 6' RCB	1650	1700	CCLC14-C	SW3	2.93	1.06
0230	E	12' X 6' RCB	2140	1450	CLC14-C	SW3	2.53	1.74
0270	E	12' X 6' RCB	1705	814	CCWA02-C	SW3	1.84	0.54
0302	E	8' X 6' RCB	3940	814	CCWA02-C	SW3	1.84	2.49
0377	E	10' X 7' RCB	1226	814	CCWA02-C	SW3	1.84	0.74
0400	E	TRANSITION STRUCTURE	110	458	CWA02-C	SW3	1.47	0.49
0402	E	8' X 6' RCB @ JONES	535	458	CWA02-C	SW3	1.47	0.49
0412	E	60" RCP	1370	458	CWA02-C	SW3	1.47	1.08
0438	E	60" RCP	1090	171	CLC01-C	SW3	1.20	1.60
0458	E	60" RCP	1060	171	CLC01-C	SW3	1.20	1.60
0478	E	60" RCP	1110	171	CLC01-C	SW3	1.20	0.55
0499	E	42" RCP OUTLET	660	87	RAINWDB	SW3	1.11	1.88
0513	E	102 AC-FT RAINBOW DETENTION BASIN		1027	RAINBWIN	SW3	1.11	
LCDE		LAS VEGAS CREEK - DECATUR						
0000	E	6' X 5' RCB	1800	430	LC11-C	SW3	0.38	1.26
0034	E	72" RCP	700	430	LC11-C	SW3	0.38	0.50
LCJO		LAS VEGAS CREEK - JONES						
0000	E	6' X 6' RCB	380	381	AL01B-C	SW3	0.37	0.50
0007	E	6' X 5' RCB	675	381	AL01B-C	SW3	0.37	0.62
LCLO		LAS VEGAS CREEK - LORENZI						
0000	E	7' X 6' RCB	445	285	DAL00A	SW3	0.41	3.37
0008	E	7' X 6' RCB	2983	285	DAL00A	SW3	0.41	0.40
0054	E	7' X 5' RCB	169	285	DAL00A	SW3	0.41	1.00
LCME		LAS VEGAS CREEK - MEADOWS						
0000	E	14' X 8' RCB	895	1484	MEADOWDB	SW3SC	5.67	0.72
0016	E	MEADOWDB	140	1484	MEADOWDB	SW3SC	5.67	0.21
0017	E	3,300 CFS SPILLWAY (REPLACE W/ LCME0016)		3300	MEADOWDB	SW3SC	5.67	
0018	P	MODIFY SPILLWAY, RAISE HEIGHT BY 1' (REPLACES LCME0017)		3300	MEADOWDB	SW3SC	5.67	
0019	E	1: 11' X 5' RCB AND 1: 11.5' X 5' RCB	110	1484	MEADOWDB	SW3SC	5.67	0.81
0020	E	213 AC-FT MEADOWS DETENTION BASIN		4909	MEADOWIN	SW3SC	7.55	
0021	P	UPGRADE TO 249 AC-FT MEADOWS DETENTION BASIN		4909	MEADOWIN	SW3SC	7.55	

ID / Mile	Status	Facility Description	Length (ft.)	Flow (cfs)	HEC-1 Node	HEC-1 Model	Tributary Area (sq.mi.)	Channel Slope (%) **
LCME		LAS VEGAS CREEK - MEADOWS						
0026	E	ENERGY DISSIPATOR	110	4909	MEADOWIN	SW3SC	5.67	2.94
0028	E	CONC CHNL 45'W 8.5'D 0:1 SS	922	4909	MEADOWIN	SW3SC	5.67	0.40
0040	E	CONC CHNL 40'W 9.5'D 0:1 SS	525	4819	CAL90-C	SW3SC	5.44	0.40
0070	E	CONC CHNL 18-30'W 7-9.5'D 0:1 SS	255	1956	CAL16	SW3	2.33	2.06
0076	E	FREE SPAN BRIDGE 18'W 8'D @ ALTA	100	1956	CAL16	SW3	2.33	1.89
0077	E	CONC CHNL 18'W 8'D 1:1 SS	618	1956	CAL16	SW3	2.33	1.89
0085	E	10' X 6' RCBC @ VALLEY VIEW	275	1712	1CAL16	SW3	2.09	1.89
LCRA		LAS VEGAS CREEK - RANCHO						
0000	E	12' X 8' RCB	380	931	CLC16-C	SW3	1.71	0.60
0004	E	12' X 6' RCB	2367	931	CLC16-C	SW3	1.71	0.77
LVWH		WASHINGTON AVENUE CHANNEL						
0447	E	3: 14.33' X 10' RCB	1955	5193	CCAL93	SW5	22.05	0.15
0484	E	CONFLUENCE STRUCTURE	455	5193	CCAL93	SW5	22.05	0.15
MEAL		MEADOWS ALTA						
0000	E	CONC CHNL 8'W 11'D 1:1 SS	700	1277	CAL13-3	SW3	1.48	1.58
0012	E	12' X 6' RCBC @ RED SKY	160	1227	CAL10-C	SW3	1.42	3.03
0013	E	CONC CHNL 8'W 11'D 1:1 SS	320	1227	CAL10-C	SW3	1.42	3.03
0015	E	72" RCP	2500	592^	CAL11-C^	SW3	1.38	1.94
0016	P	ADD: 84" RCP	2500	592^	CAL11-C^	SW4	1.38	1.94
0060	E	60" RCP	905	419^	CBR3^	SW3	1.08	1.00
0061	P	ADD: 78" RCP	905	419^	CBR3^	SW3	1.08	1.00
0100	E	72" RCP	1280	837	CBR3	SW3	1.08	1.40
0120	E	60" RCP	3500	385^	CAL05-C^	SW3	1.01	1.00
0121	P	ADD: 78" RCP	3500	385^	CAL05-C^	SW3	1.01	1.00
0130	E	8' X 4' RCB	1150	198	AL04-C	SW3	0.18	0.40
0150	E	60" RCP	265	518	CCUS	SW3	0.74	1.40
0160	E	36" RCP	2600	341	CUS	SW3	0.56	1.25
0209	E	48" RCP	2500	150	DCR2	SW3	0.41	1.70
0256	E	38" X 60" HERCP	81	150	DCR2	SW3	0.41	1.42
0258	E	48" RCP	275	150	DCR2	SW3	0.41	4.31
MECH		EXTENSION OF MEADOWS / CHARLESTON						
0108	E	30" RCP	8550	32	OAKEYDB	SW3	1.88	1.43
0310	E	24" RCP	1000	32	OAKEYDB	SW3	1.88	1.43
0323	E	15" RCP OUTLET	200	32	OAKEYDB	SW3	1.88	
0324	E	201 AC-FT OAKEY DETENTION BASIN		1891	OAKEYIN	SW3	1.88	
0334	E	11" X 6' RCB	200	622	C5-OAK-C	SW3	0.56	0.50
0337	E	9' X 6' RCB	520	622	C5-OAK-C	SW3	0.56	0.50
0338	E	10" X 8' RCB	2060	1302	C3A-OAKC	SW3	1.32	1.62
0351	E	60" RCP	1350	622	C5-OAK-C	SW3	0.56	0.50
0378	E	10" X 8' RCB	745	1302	C3A-OAKC	SW3	1.32	2.00
0380	E	66" RCP	385	372	3-HOLM-C	SW3	0.33	2.00
0390	E	63" X 53" RCP	50	372	3-HOLM-C	SW3	0.33	2.00
0410	E	66" RCP	182	372	3-HOLM-C	SW3	0.33	2.00
0420	E	66" RCP	1410	372	3-HOLM-C	SW3	0.33	2.00
MECN		MEADOWS - CHARLESTON						
0000	P	8' X 8' RCB	1570	1150	CCH10	SW3	1.00	1.09
0061	P	8' X 7' RCB	3300	1150	CCH10	SW3	1.00	1.82
0123	P	8' X 6' RCB	5200	854	CCH09-C	SW3	0.72	1.64
0223	P	8' X 5' RCB	2700	438	CCH05-C	SW3	0.34	2.04
MEOK		OAKEY MEADOWS STORMDRAIN						
0000	E	CONC CHNL 19'W 9.5'D 0:1 SS	112	2871	COK13	SW3SC	2.94	0.55
0002	E	19' X 7' RCB	800	2871	COK13	SW3SC	2.94	0.98
0017	E	19' X 8' RCB	1550	2871	COK13	SW3SC	2.94	0.92
0048	E	18' X 9' RCB	1700	2871	COK13	SW3SC	2.94	0.50
0070	E	7' X 6' RCB	1320	244	CH14B	SW3	0.22	0.44
0079	E	18' X 8' RCB	630	2524	COK12	SW3SC	2.57	0.50
0091	E	18' X 8' RCB	850	2524	COK12	SW3SC	2.57	1.01
0110	E	12' X 8' RCB	2304	1568	CCOK08	SW3SC	1.58	1.04
0150	E	12' X 8' RCB	642	1568	CCOK08	SW3SC	1.58	0.45
0166	E	12' X 9' RCB	1350	1568	COK08	SW3	1.58	0.45
0191	E	12' X 7' RCB	660	995	COK07	SW3	0.93	0.71

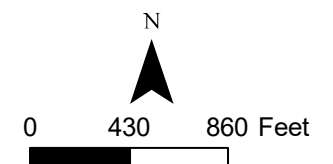
Tenant X



Legend

- Flow Arrows
- Concentration Points
- Existing Facilities
- Category A Proposed Facilities
- Category B Proposed Facilities
- Ultimate Development Boundary
- Watershed
- Subbasins
- Soils
- 1: Undeveloped Land, Open desert
- 2: Parks, Golf Courses
- 3: Rural, 0.5-1 units per acre (uses 1 unit/acre)
- 4: Low-Density Residential, 1-2 units per acre (uses 2 units/acre)
- 5: Medium-Density Residential, 2-4 units per acre (uses 3 units/acre)
- 6: High-Density Residential, 4-8 units per acre (uses 6 units/acre)
- 7: Public Facility and Residential, 8-12 units/acre
- 8: Very High-Density Residential, 12 units/acre or more
- 9: Commercial, Retail, Casino, High Rise Condominiums
- 10: Light Industrial
- 11: Heavy Industrial
- 12: Schools
- 13: Lakes
- SFHA Zone AE
- SFHA Zone A
- SFHA Zone AO
- Zone X (Shaded)

1 inch = 833 feet





**LAS VEGAS
CITY COUNCIL**

CAROLYN G. GOODMAN
Mayor

STAVROS S. ANTHONY
Mayor Pro Tem

MICHELE FIORE
CEDRIC CREAR

BRIAN KNUDSEN

VICTORIA SEAMAN

OLIVIA DIAZ

JORGE CERVANTES
City Manager

DEPARTMENT OF PLANNING

SETH T. FLOYD

DIRECTOR OF
COMMUNITY DEVELOPMENT

CITY HALL

495 S. MAIN ST.
3RD FLOOR

LAS VEGAS, NV 89101

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711 | TTY



cityoflasvegas
lasvegasnevada.gov

October 12, 2022

Mr. Winston Fisher
New Vegas Commercial LLC
299 Park Avenue, 42nd Floor
New York, NY 10171

RE: 22-0425-TMP1

PLANNING COMMISSION MEETING OF OCTOBER 11, 2022

Dear Applicant:

The Planning Commission at a regular meeting held on *October 11, 2022* voted to **APPROVE** a request FOR A PROPOSED TWO-LOT COMMERCIAL SUBDIVISION on 16.83 acres at the northwest and southwest corner of Meade Avenue and Rancho Drive (APNs Multiple), M (Industrial) Zone, Ward 3 (Diaz).

This approval is subject to the following conditions:

Planning

1. Approval of the Tentative Map shall be for no more than four (4) years. If a Final Map is not recorded on all or a portion of the area embraced by the Tentative Map within four (4) years of the approval of the Tentative Map, this action is void.
2. A fully operational fire protection system, including fire apparatus roads, fire hydrants and water supply, shall be installed and shall be functioning prior to construction of any combustible structures.
3. The Final Map shall contain a note granting perpetual common access and parking across the entire subdivision.
4. All development is subject to the conditions of City Departments and State Subdivision Statutes.

Public Works

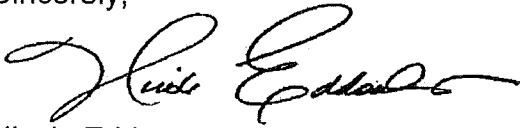
5. Dedicate appropriate right-of-way, or grant appropriate roadway easements as needed to extend the widened sidewalk on Rancho Drive from the existing widened sidewalk northward to the northern edge of this site on the Final Map for this site unless otherwise allowed by the City Engineer.

6. The sidewalks adjacent to this site shall meet Public Right of-Way Accessibility Guidelines (PROWAG) in accordance with code requirements of Title 13.56.040 to the satisfaction of the City Engineer concurrent with development of this site. Grant any Pedestrian Access Easement, if any, needed to complete this requirement on the Final Map for this site.
7. Extend Public Sewer in Rancho Drive from Sahara Avenue to the edge of the proposed development, at the size required per the approved Vegas Rising (Wyandotte Apartments) Master Sanitary Sewer Study. Coordinate with the Sewer Planning Section for timing and other details of this requirement.
8. Per Title 19.16.060.W.1, provide a note on the Final Map that states "All parcels created through this map shall have perpetual unobstructed access to all driveways servicing the overall subdivision unless incompatible uses can be demonstrated to the satisfaction of the City Engineer."
9. Per Title 19.16.060.W.2, sewer service for this commercial subdivision shall be shown in accordance with one of the following two alternatives, and the appropriate note shall appear on the face of the recorded Final Map:
 - a. On-site sewers are a common element privately owned and maintained per the Conditions, Covenants, and Restrictions (CC&Rs) of this commercial subdivision.
 - b. On-site sewers are a common element privately owned and maintained per the Joint Use Agreement of this commercial subdivision.
10. Per Title 19.16.060.W.3, provide a note on the Final Map that states "all subdivided parcels comprising this Subdivision shall provide perpetual inter-site common drainage rights across all existing and future parcel limits."
11. Meet with the Flood Control Section of the Department of Public Works for assistance with establishing finished floor elevations and drainage paths for this site prior to submittal of construction plans, the issuance of any building or grading permit, or the submittal of a map for this site, whichever may occur first. Provide and improve all drainage ways as recommended.
12. As per Unified Development Code (UDC) 19.16.060.G, all requirements must be complied with or such future compliance must be guaranteed by an approved performance security method in accordance with UDC sections 19.02.130.

13. The approval of all Public Works related improvements shown on this Tentative Map is in concept only. Specific design and construction details relating to size, type and/or alignment of improvements, including but not limited to street, sewer and drainage improvements, shall be resolved prior to approval of the construction plans by the City. No deviations from adopted City Standards shall be allowed unless specific written approval for such is received from the City Engineer prior to the recordation of a Final Map or the approval of subdivision-related construction plans, whichever may occur first. Approval of this Tentative Map does not constitute approval of any deviations. If such approval cannot be obtained, a revised Tentative Map must be submitted showing elimination of such deviations.

This action by the Planning Commission on **October 11, 2022** is final unless a written appeal is filed with the City Clerk within seven days of the date of the Planning Commission's decision as allowed by code or there is a review action filed by the City Council within the same time period. For additional information on appeals or review requests submitted please access <https://www.lasvegasnevada.gov/Business/Permits-Licenses/Building-Permits/Permit-Application-Status>, or contact the Department of Planning and Development at 702.229.6301 after **October 18, 2022**. No building permits or business licenses related to these items shall be issued prior to the expiration of the required seven day waiting period, or until any filed appeal is resolved pursuant to LVMC Title 19.18.

Sincerely,



Nicole Eddowes
Community Development Coordinator
Case Planning Division

NE:nl

cc:

Mr. Thomas Ackeret
Kimley-Horn
6671 Las Vegas Blvd. South, Ste. 320
Las Vegas, Nevada 89119

Mr. Kyle Sutherland
Fisher Brothers Las Vegas
3215 S. Rancho Drive
Las Vegas, Nevada 89102