ATTACHMENT 1

September 8, 2016

Ms. Gina McColl
Associate Planner
City of Roseville
Planning Division
311 Vernon Street
Roseville, CA 95765

Re: Ceremonial Gazebo
California Rural Indian Health Board, Inc. ("CRIHB")
1020 Sundown Way, Roseville, CA
File #PL16-0138
KAP#222.01

Dear Ms. McColl:

In response to your letter dated June 1, 2016, Section I.1. and Section II.2., the Ceremonial Gazebo ("Gazebo") will be utilized for outdoor events. Anticipated use of the Gazebo is to be limited to daytime hours (dawn to dusk). Daily use of the Gazebo will include daily conversations and meetings with staff members primarily during lunch time hours. A single "Special Event" is planned for the Gazebo. This event is an annual, three (3) day event, held on a Friday, Saturday and Sunday. Activities associated with this event include: conferences, workshops, healthcare providers, demonstrations, traditional foods and other relevant cultural aspects.

CRIHB anticipates that approximately 200 people will be in attendance at this annual event. CRIHB has 100 on-site parking spaces and is in the process of collecting Letters of Authorization from neighboring property owners for an additional 100 off-site parking spaces. CRIHB will forward the Letters of Authorization to the City of Roseville upon receipt. Access for this event will be via a clearly marked walkway from the parking lot to the Gazebo. CRIHB will bring in additional restroom facilities (portable toilets) as well as additional trash enclosures to accommodate this event and minimize the impacts on the adjacent properties. (Please see attached sketch for location of temporary toilet and trash facilities.).

I hope you find these responses to your request acceptable. If you have any additional questions or comments, please do not hesitate to contact me to resolve them as quickly as possible.

Sincerely,

Adriana G.

Adriana Gutierrez

RECEIVED
SEP 09 2016
Planning Division

Enclosure(s)
cc: California Rural Indian Health Board, Inc.

FILE COPY

KELLY ARCHITECTURE & PLANNING
6528 LONETREE BLVD. ROCKLIN CALIFORNIA 95765 916.797.1199 / 916.797.1181 FAX

CRIHB CERIMONIAL GAZEBO

Floodplain Analysis

PLACER COUNTY, CALIFORNIA

Tuesday, November 15, 2016

Prepared By:

FRAYJI DESIGN GROUP, INC.
CIVIL ENGINEERING • PLANNING • SURVEYING

FRAYJI DESIGN GROUP, INC.
1540 Eureka Road
Roseville CA 95661
(916) 782-3000

JOB # 29300

This document prepared under the supervision of:

Signature dated: 11/15/16

The status of this report is PRELIMINARY unless the appropriate signature is provided to the left. Signature will not be provided until review is complete.

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I. INTRODUCTION

The purpose of this report is to provide an analysis of the affect on the floodplain caused by the construction of the CRIHB Ceremonial Gazebo.

I.A Cirby Creek Description

Cirby Creek is a tributary of Dry Creek and flows generally westerly, then joins Dry Creek just upstream from Riverside Avenue in the City of Roseville. Dry Creek then flows into the Natomas East Main Drainage Canal and ultimately into The Sacramento River.

I.B FEMA Flood Mapping

The preliminary Flood Insurance Study (FIS) for the project area has been created by BakerAECOM and was preliminarily released in December 2015. This report revises the flood plain for the project area to the NGVD88 datum and revises the flood plain to use the newest available topography. Upon review, the proposed elevations are revised from the earlier study revised in November of 2001. The earlier study was on the NGVD29 datum which differs from the NGVD88 datum in the project area by 2.51 feet. Exhibit 1 shows the preliminary floodway data for Cirby Creek.

EXHIBIT 1

LOCATION		FLOODWAY			1% ANNUAL CHANCE WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE [1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/ SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Cirby Creek								
A	125	103	983	4.2	134.5	128.8 [2]	129.8	1.0
B	1,625	86	766	5.4	134.5	130.0 [2]	130.8	0.8
C	2,905	62	412	10.0	134.5	132.2 [2]	132.9	0.7
D	3,095	65	462	8.9	134.5	133.5 [2]	133.7	0.2
E	4,193	68	590	7.0	135.6	135.6	136.0	0.4
F	4,490	95	831	4.9	137.1	137.1	137.5	0.4
G	4,683	149	1,064	3.9	137.5	137.5	137.8	0.3
H	5,526	239	1,598	2.6	139.5	139.5	139.6	0.1
I	6,135	279	1,532	2.7	139.9	139.9	140.2	0.3
J	9,999	40	155	4.7	146.0	146.0	146.1	0.1
K	10,938	208	208	3.5	147.4	147.4	147.9	0.5
L	11,804	218	218	3.4	148.6	148.6	149.2	0.6
M	11,859	293	293	2.5	148.8	148.8	149.4	0.6
N	12,463	19	106	5.5	149.3	149.3	149.8	0.5
O	12,560	35	118	4.9	151.5	151.5	151.9	0.4
P	13,826	33	126	4.1	158.8	158.8	158.8	0.0
Q	13,908	46	289	1.8	161.0	161.0	161.8	0.8
R	14,413	37	194	1.7	161.7	161.7	162.4	0.7
S	14,552	46	216	1.6	163.0	163.0	163.7	0.7
T	15,305	32	89	3.8	165.5	165.5	165.8	0.3
U	16,219	35	95	3.6	168.2	168.2	168.4	0.2

[1] Distance in feet above confluence with Dry Creek

[2] Elevation computed without consideration of backwater effects from Dry Creek

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

PLACER COUNTY, CA
AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CIRBY CREEK

I.C Project Analysis

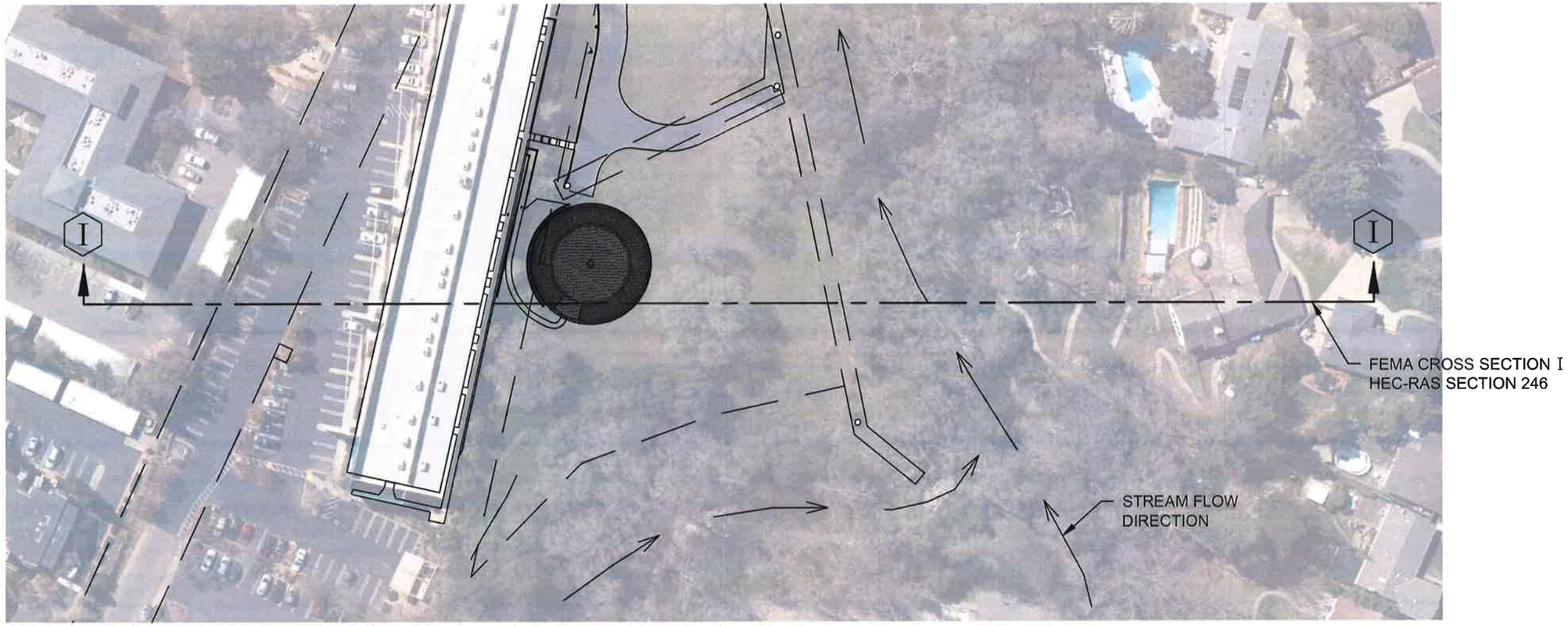
The project has been analyzed using a HEC-2 model that was requested from the City of Roseville and provided by Civil Engineering Solutions, Inc. Based on the comments in the model it was created in 1994 by Note and Associates, Inc. and was used to find the flood elevations for Cirby Creek. The model was updated to HEC-RAS and the section that is approximately through the gazebo updated to show the obstruction.

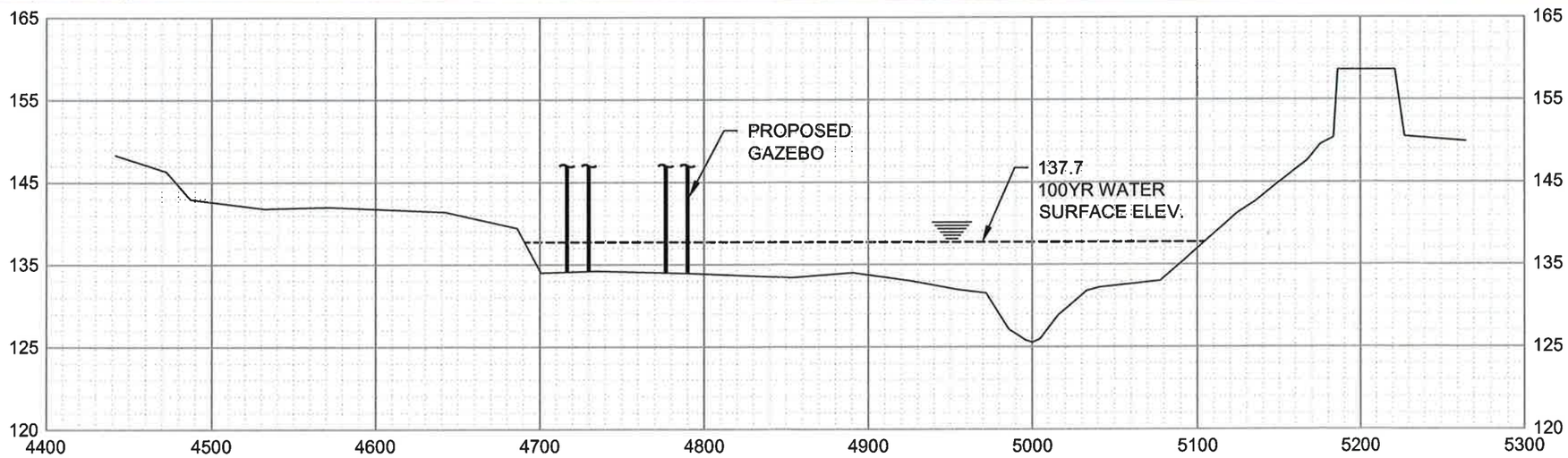
II. Hydraulics:

II.A Floodplain Analysis:

The addition of the gazebo will cause some minor changes to the HEC-RAS analysis. The Gazebo was added to section 246 of the RAS model as obstructions. Exhibit 2 shows the plan and profile view of the gazebo and in the worst case any cross section will encounter four of the columns. While the section does not cross through the worse case condition of the gazebo, it has been modeled such that the section is in the worse case. The columns were shown on the exhibit are two feet wide and cause vertical obstructions. The columns are a minimum of 12 feet high and based on the calculations, the tops will be out of the floodplain. The revised section was recalculated and the results are shown as Exhibit 3, 4, 5 and 6. The analysis files for these calculations are included in Appendix A with the City of Roseville HEC-2/HEC-RAS Model Summary Worksheet for this project.

Adding the obstruction of the gazebo has little affect on the flood plain as the Manning's "n" value for the overbank in this area is 0.1. This "n" value simulates heavy stands of trees. The gazebo with its many vertical supports mimics a stand of trees. Other than reducing the velocity of water in the channel slightly, 0.01 ft/s, the gazebo should have no other affect on the 100-year flood plain. This is supported by the included exhibits and calculations.





NOTE:
SECTION I—I PROFILE AS DEPICTED IS BASED UPON HEC-RAS SECTION 246 AND MAY NOT ACTUALLY MATCH SITE SPECIFIC TOPOGRAPHIC SURVEY AS DEPICTED ON GRADING PLAN.

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(916) 782-3000 Phone
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Exhibit 2: Cirby Creek Section I
Plan & Profile

CRIHB Ceremonial Gazebo

City of Roseville, California August 10, 2016

DATUM NGVD29
ADD +2.51 FEET
FOR NAVD 88 DATUM

Scale: 1" = 80' Hor.
1" = 16' Ver.

I:\Drafting\29300-Sundown Way\Exhibits\29300_Drainage Exhibit-Section I.dwg, 08/10/16 10:56:56am, RMclachlan Exhibit I

Plan: Imported Pla RIVER-1 Reach-1 RS: 246 Profile: PF 2

E.G. Elev (ft)	137.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.05	Wt. n-Val.	0.100	0.040	0.060
W.S. Elev (ft)	137.75	Reach Len. (ft)	585.20	609.00	598.00
Crit W.S. (ft)		Flow Area (sq ft)	1165.92	623.09	254.49
E.G. Slope (ft/ft)	0.000204	Area (sq ft)	1165.92	623.09	254.49
Q Total (cfs)	2280.00	Flow (cfs)	636.75	1418.14	225.11
Top Width (ft)	413.78	Top Width (ft)	281.34	68.60	63.84
Vel Total (ft/s)	1.12	Avg. Vel. (ft/s)	0.55	2.28	0.88
Max Chl Dpth (ft)	12.25	Hydr. Depth (ft)	4.14	9.08	3.99
Conv. Total (cfs)	159772.9	Conv. (cfs)	44620.8	99377.2	15774.9
Length Wtd. (ft)	599.90	Wetted Per. (ft)	282.07	70.04	64.27
Min Ch El (ft)	125.50	Shear (lb/sq ft)	0.05	0.11	0.05
Alpha	2.72	Stream Power (lb/ft s)	5265.20	0.00	0.00
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	71.84	93.69	46.19
C & E Loss (ft)	0.01	Cum SA (acres)	12.26	8.95	9.30

EXISTING SECTION I
EXHIBIT 3

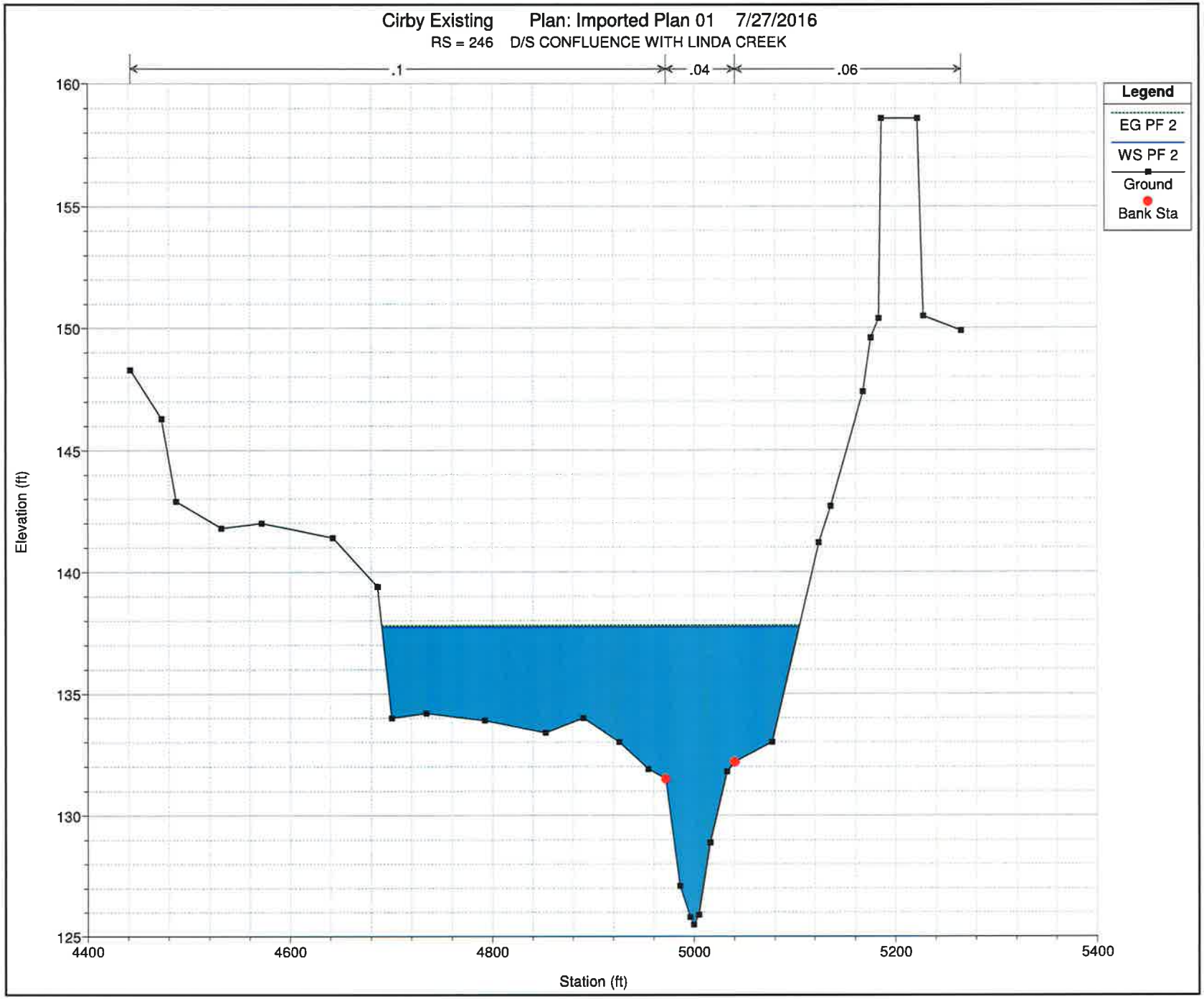


EXHIBIT 4 EXISTING SECTION I

Plan: Imported Pla RIVER-1 Reach-1 RS: 246 Profile: PF 2

E.G. Elev (ft)	137.81	Element	Left OB	Channel	Right OB
Vel Head (ft)	0.06	Wt. n-Val.	0.100	0.040	0.060
W.S. Elev (ft)	137.75	Reach Len. (ft)	585.20	609.00	598.00
Crit W.S. (ft)		Flow Area (sq ft)	1136.11	623.10	254.51
E.G. Slope (ft/ft)	0.000211	Area (sq ft)	1136.11	623.10	254.51
Q Total (cfs)	2280.00	Flow (cfs)	608.51	1442.50	228.99
Top Width (ft)	405.78	Top Width (ft)	273.34	68.60	63.84
Vel Total (ft/s)	1.13	Avg. Vel. (ft/s)	0.54	2.32	0.90
Max Chl Dpth (ft)	12.25	Hydr. Depth (ft)	4.16	9.08	3.99
Conv. Total (cfs)	157082.4	Conv. (cfs)	41924.1	99381.9	15776.4
Length Wtd. (ft)	600.00	Wetted Per. (ft)	303.97	70.04	64.27
Min Ch El (ft)	125.50	Shear (lb/sq ft)	0.05	0.12	0.05
Alpha	2.77	Stream Power (lb/ft s)	5265.20	0.00	0.00
Frctn Loss (ft)	0.20	Cum Volume (acre-ft)	71.64	93.69	46.19
C & E Loss (ft)	0.01	Cum SA (acres)	12.21	8.95	9.30

PROPOSED SECTION I

EXHIBIT 5

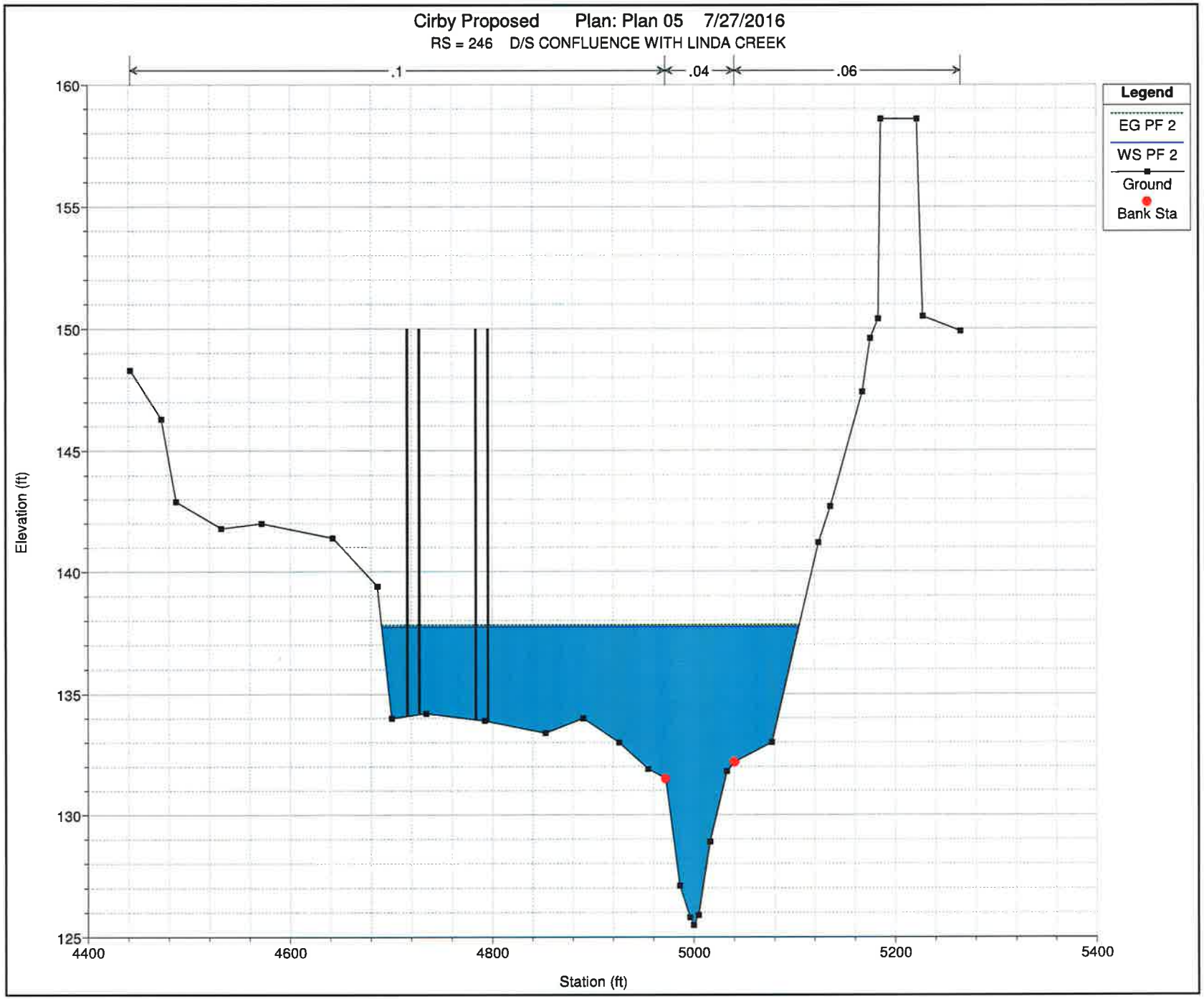


EXHIBIT 6 PROPOSED SECTION I

VI. Conclusions:

This Floodplain analysis demonstrates that with the construction of the CRIHB Ceremonial Gazebo:

- The floodplain elevation will not be changed by the proposed construction and the proposed construction will have no adverse effect on the floodway.

Appendix A

HEC-RAS Model Summary Worksheet

HEC-RAS Model Summary for Existing and proposed condition

Analysis files on CD.

CITY OF ROSEVILLE
HEC-2 / HEC-RAS MODEL SUMMARY WORKSHEET

Name of project: CRIHB CEREMONIAL GAZEBO

Name of engineering firm who performed the study: FRAYJI DESIGN GROUP

Contact person SCOTT MURATA Phone # (916) 782-3000

If this replaces a previous study, what is the name of that study _____

This study reflects: ☐ Existing conditions ☒ Post-development conditions

If this HEC-2/RAS study is used to compare pre-project to post-project runoff what is the name of the study that you are comparing it with CIRBY EXIST
Run date _____

Has the pre-project study been approved by the city ☐ **yes** ☒ **no**
If yes, name and when
STUDY BY NOLTE & ASSOCIATES MAY 94, SECTIONS MATCH NEW FIS LOCATIONS

Total length of water course (miles) 2.99 Total number of cross-sections 83

Name of Hydrology study used to get peak Discharge?
STUDY BY NOLTE & ASSOCIATES MAY 94

Design storm frequency: ☐2 yr ☐5 yr ☐10 yr ☐25 yr ☐50 yr ☒100 yr ☐Other _____

The starting HGL _____ _____ _____ _____ _____ _____ _____

Starting flow rate _____ _____ _____ _____ _____ _____ _____

How was the starting HGL determined:
FLOW RATE 2280 AT CONFLUENCE OF LINDA AND CIRBY CREEK
SECTION I AT X-SECTION 246

Give location of cross-sections where the flow rate changes and what the new flow rate(s) are.

START	10 YEAR	50 YEAR	100 YEAR

CITY OF ROSEVILLE
HEC-2 / HEC-RAS MODEL SUMMARY WORKSHEET

CHANNEL REACH INFORMATION

Give the total number of reaches in the Model 1

Provide assumed "N" factors used most often for the following surfaces:

Overland swales 0.04 Concrete Gutters N/A Drainage Pipes N/A

Earth-lined channels 0.04 Streams Channel 0.04 Main channel 0.04

Over Bank 0.06 AND 0.1 other N/A

Are the assumption used in hydrology study's routing section to determine peak discharge, in line with those used in this hydraulic study for the same segment of channel (channel length ,"N" factor , etc.)
☒ **yes** ☐ **no** If **no** explain why. _____

BRIDGE OR CULVERT MODEL INFORMATION

Provide the following Information for all Bridge and Culvert crossings:

DOWN STREAM X-SEC. AT BRIDGE OR CULVERT	METHOD USED TO MODEL (special culvert, bridge, etc.)	IS STRUCTURE OVERTOPED example (2.1 ' in 50 yr, 3.4' in 100 yr)	WAS DETENTION MODELED (YES OR NO)

CITY OF ROSEVILLE
HEC-2 / HEC-RAS MODEL SUMMARY WORKSHEET

PRE-PROJECT TO POST-PROJECT CHANGES

Name of pre-project study: CIRBY EXISTING
Run date 7/27/2016

Name of post-project study: CIRBY PROPOSED
Run date 7/27/2016

Do you plan to place any improvements in, or change the Floodway ☐ **yes** ☒ **no** If yes explain.

Provide the following Information for all changes between studies:

Locations	Types of changes (added, deleted, changed)
Xsec-252	Added xsec. to reflect encroachment, Changed right overbank "N" to 0.04
246	REVISE SECTION TO ADD GAZEBO STRUCTURE

Frayji Design Group

CRIHB Ceremonial Gazebo

HEC-RAS Version 4.1.0

July 27, 2016 4:23 PM

Existing Conditions

HEC-RAS Plan: Imported Pla River: RIVER-1 Reach: Reach-1 Profile: PF 2

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	412	PF 2	339.00	173.30	176.15	176.15	176.60	0.007406	5.99	75.03	75.00	0.71
Reach-1	410	PF 2	339.00	171.20	174.72		174.91	0.002907	3.97	98.68	55.00	0.45
Reach-1	408	PF 2	339.00	169.10	172.64		173.42	0.008303	7.26	50.72	23.67	0.77
Reach-1	406	PF 2	339.00	167.40	171.74	171.10	172.33	0.007199	6.17	54.97	21.90	0.69
Reach-1	404	PF 2	339.00	165.40	168.92	168.68	169.75	0.011330	7.31	46.36	20.60	0.86
Reach-1	402	PF 2	339.00	163.90	168.35	167.06	168.65	0.002690	4.49	79.54	29.00	0.44
Reach-1	401.25		Bridge									
Reach-1	400	PF 2	339.00	162.90	165.84		166.04	0.003376	3.56	95.32	34.88	0.38
Reach-1	398	PF 2	339.00	159.60	164.97		165.12	0.002103	3.02	112.21	37.15	0.31
Reach-1	396	PF 2	339.00	158.80	163.32		163.54	0.003783	3.79	89.39	31.94	0.40
Reach-1	394	PF 2	339.00	157.10	161.07		161.49	0.007993	5.23	64.85	25.90	0.58
Reach-1	392	PF 2	339.00	155.00	159.73		159.91	0.003015	3.41	99.42	37.12	0.37
Reach-1	391	PF 2	339.00	154.20	159.71	156.55	159.79	0.000898	2.23	151.72	42.76	0.21
Reach-1	389.5		Bridge									
Reach-1	380	PF 2	339.00	153.00	159.53		159.59	0.000830	1.86	182.54	37.40	0.15
Reach-1	378	PF 2	339.00	153.10	159.50		159.54	0.000503	1.63	252.24	57.03	0.13
Reach-1	376	PF 2	688.00	152.80	159.30		159.46	0.002546	3.21	214.21	46.10	0.26
Reach-1	374	PF 2	688.00	152.60	158.54		158.81	0.004821	4.15	165.92	40.79	0.36
Reach-1	372	PF 2	688.00	152.20	157.64		157.96	0.006395	4.53	151.86	40.12	0.41
Reach-1	371	PF 2	688.00	150.60	157.58	154.09	157.74	0.001663	3.26	210.89	44.04	0.26
Reach-1	369.5		Bridge									
Reach-1	364	PF 2	688.00	149.50	157.08		157.41	0.003945	4.56	150.91	35.42	0.39
Reach-1	362	PF 2	688.00	148.40	156.49		156.82	0.005287	4.63	148.71	43.88	0.44
Reach-1	360	PF 2	688.00	147.30	154.78		155.55	0.013102	7.04	97.70	28.76	0.67
Reach-1	358	PF 2	731.00	146.50	153.22		153.47	0.002557	4.01	182.18	37.55	0.32
Reach-1	356	PF 2	731.00	144.80	152.69		152.85	0.001297	3.12	234.12	40.75	0.23
Reach-1	354	PF 2	731.00	145.00	152.46		152.62	0.001475	3.19	229.49	42.90	0.24
Reach-1	352	PF 2	731.00	144.40	152.27		152.43	0.001417	3.27	223.72	39.35	0.24
Reach-1	351	PF 2	731.00	142.30	152.22	147.76	152.35	0.001529	2.91	257.18	50.72	0.22
Reach-1	345		Bridge									
Reach-1	338	PF 2	731.00	138.50	147.28		147.36	0.000822	2.28	321.05	43.39	0.15
Reach-1	336	PF 2	731.00	138.40	147.27		147.32	0.000479	1.74	420.59	65.72	0.12
Reach-1	334	PF 2	731.00	138.33	147.19		147.26	0.000604	2.18	336.07	51.87	0.15
Reach-1	333	PF 2	731.00	138.17	146.92		147.03	0.001221	2.62	278.88	42.96	0.18
Reach-1	332	PF 2	731.00	137.90	146.72	141.48	146.82	0.001263	2.58	283.43	47.43	0.19
Reach-1	327		Bridge									
Reach-1	322	PF 2	731.00	137.40	146.06		146.18	0.001027	2.77	263.46	46.89	0.21
Reach-1	320	PF 2	731.00	137.17	145.92		146.01	0.000648	2.34	312.72	49.04	0.16
Reach-1	318	PF 2	731.00	136.76	145.66		145.80	0.001001	2.93	249.83	37.90	0.20
Reach-1	316	PF 2	724.00	136.20	145.36		145.44	0.001059	2.33	310.41	91.42	0.20
Reach-1	314	PF 2	724.00	135.60	145.11		145.16	0.000479	1.72	417.32	112.92	0.14
Reach-1	312	PF 2	724.00	136.70	145.07		145.10	0.000298	1.64	485.24	117.03	0.12
Reach-1	311	PF 2	724.00	136.80	144.66	141.24	144.88	0.002514	3.74	193.49	44.72	0.32
Reach-1	309.5		Bridge									
Reach-1	308.5	PF 2	724.00	136.60	144.63		144.83	0.002245	3.60	200.85	44.90	0.30
Reach-1	308	PF 2	724.00	135.00	144.26		144.39	0.001145	2.85	253.88	48.44	0.22
Reach-1	306	PF 2	724.00	134.20	144.16	138.41	144.25	0.000651	2.39	303.02	48.92	0.17
Reach-1	304	PF 2	724.00	133.60	144.10	137.24	144.17	0.000409	1.98	364.75	54.82	0.14
Reach-1	302	PF 2	1251.00	133.10	143.83	138.31	143.99	0.000997	3.24	385.92	53.90	0.21
Reach-1	301	PF 2	1251.00	132.90	143.88	137.10	143.93	0.000312	1.94	706.01	126.64	0.12
Reach-1	299.5		Bridge									
Reach-1	292	PF 2	1251.00	133.00	143.79	137.44	143.85	0.000404	2.16	642.68	123.99	0.14
Reach-1	290	PF 2	1251.00	133.00	143.74	137.44	143.84	0.000602	2.63	523.19	94.13	0.16
Reach-1	288	PF 2	1251.00	133.30	143.52	137.52	143.68	0.000966	3.26	383.68	50.70	0.21
Reach-1	286	PF 2	1251.00	132.70	143.20	138.02	143.38	0.001112	3.39	369.48	48.90	0.22
Reach-1	284	PF 2	1251.00	132.80	143.28	137.53	143.29	0.000122	1.17	1237.99	289.99	0.07
Reach-1	282	PF 2	1251.00	132.50	143.25	137.48	143.27	0.000169	1.49	1273.22	307.86	0.09
Reach-1	281	PF 2	1251.00	132.20	143.24	137.23	143.26	0.000079	1.28	1289.33	262.32	0.08
Reach-1	279.5		Bridge									
Reach-1	274	PF 2	1251.00	132.20	143.23		143.24	0.000075	1.05	1469.47	262.32	0.06
Reach-1	272	PF 2	1251.00	131.00	143.21		143.23	0.000097	1.25	1107.91	172.49	0.07
Reach-1	270	PF 2	2886.00	131.00	143.05		143.19	0.000605	3.31	1138.21	155.43	0.18
Reach-1	268	PF 2	4062.00	131.20	143.12		143.14	0.000077	1.02	3522.05	496.33	0.06
Reach-1	266	PF 2	4265.00	131.00	143.10		143.13	0.000093	1.14	3320.16	460.47	0.06
Reach-1	264	PF 2	4344.00	130.90	143.10		143.12	0.000090	1.13	3494.23	492.56	0.06
Reach-1	262	PF 2	4344.00	128.80	143.04		143.09	0.000224	1.81	2360.41	351.84	0.10
Reach-1	261	PF 2	4344.00	127.00	142.38	138.22	142.91	0.002037	6.23	755.62	89.02	0.33
Reach-1	259.5		Bridge									
Reach-1	252	PF 2	4344.00	127.50	140.66		142.04	0.008028	10.24	478.87	89.02	0.60
Reach-1	250	PF 2	4344.00	127.40	141.02	138.04	141.30	0.001602	4.82	1126.56	280.50	0.29
Reach-1	248	PF 2	4344.00	126.90	137.01	137.01	139.16	0.013133	12.54	456.16	153.45	0.95
Reach-1	246	PF 2	2280.00	125.50	137.75		137.81	0.000204	2.28	2043.50	413.78	0.13
Reach-1	244	PF 2	4106.00	125.00	137.49		137.60	0.000457	3.79	2452.33	427.26	0.20
Reach-1	242	PF 2	4106.00	124.90	137.36		137.47	0.000428	3.65	2708.76	443.76	0.19
Reach-1	241	PF 2	4106.00	124.90	137.15	130.87	137.27	0.000346	3.52	2194.01	383.90	0.18
Reach-1	239.5		Bridge									
Reach-1	234	PF 2	4106.00	124.90	137.12		137.23	0.000458	3.74	2142.08	366.13	0.20
Reach-1	232	PF 2	4106.00	124.90	137.00		137.13	0.000425	3.73	2020.09	354.08	0.20
Reach-1	230	PF 2	4106.00	124.40	136.81		136.98	0.000544	4.17	1648.05	247.29	0.22
Reach-1	228	PF 2	4106.00	124.40	136.82		136.86	0.000112	1.90	2419.52	271.65	0.10
Reach-1	226	PF 2	4106.00	124.30	136.70		136.81	0.000280	3.17	1681.50	232.62	0.16
Reach-1	224	PF 2	4106.00	124.20	136.72		136.76	0.000098	1.92	2775.17	363.30	0.10
Reach-1	222	PF 2	4126.00	123.10	136.46		136.71	0.001447	4.71	1446.38	246.58	0.25
Reach-1	221	PF 2	4126.00	123.00	135.62	130.61	136.51	0.003432	7.69	576.46	61.66	0.40
Reach-1	219.5		Bridge									

HEC-RAS Plan: Imported Pla River: RIVER-1 Reach: Reach-1 Profile: PF 2 (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	216	PF 2	4126.00	122.70	131.80	131.80	134.74	0.025500	14.25	303.32	50.00	0.99
Reach-1	214	PF 2	4126.00	122.30	132.46		133.26	0.004998	7.44	579.29	73.09	0.44
Reach-1	212	PF 2	4126.00	119.00	130.79		131.15	0.002096	5.16	863.75	110.82	0.29
Reach-1	210	PF 2	4126.00	118.60	129.50		130.20	0.004226	7.01	616.93	79.02	0.41
Reach-1	208	PF 2	4126.00	117.40	128.89		129.33	0.002374	5.28	781.92	86.30	0.31
Reach-1	206	PF 2	4126.00	117.20	128.37		128.80	0.002214	5.34	792.46	89.03	0.31
Reach-1	204	PF 2	4126.00	115.10	128.10		128.31	0.000849	3.63	1135.75	100.10	0.19
Reach-1	202	PF 2	4126.00	115.20	127.76		127.89	0.000536	2.88	1430.75	131.60	0.15
Reach-1	200	PF 2	4126.00	115.20	127.32	120.38	127.60	0.001309	4.22	977.51	101.42	0.24

Frayji Design Group

CRIHB Ceremonial Gazebo

HEC-RAS Version 4.1.0

July 27, 2016 4:23 PM

Proposed Conditions

HEC RAS Plan: Imported Pla River: RIVER 1 Reach: Reach 1 Profile: PF 2

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	412	PF 2	339.00	173.30	176.15	176.15	176.60	0.007406	5.99	75.03	75.00	0.71
Reach-1	410	PF 2	339.00	171.20	174.72		174.91	0.002907	3.97	98.68	55.00	0.45
Reach-1	408	PF 2	339.00	169.10	172.64		173.42	0.008303	7.26	50.72	23.67	0.77
Reach-1	406	PF 2	339.00	167.40	171.74	171.10	172.33	0.007199	6.17	54.97	21.90	0.69
Reach-1	404	PF 2	339.00	165.40	168.92	168.68	169.75	0.011330	7.31	46.36	20.60	0.86
Reach-1	402	PF 2	339.00	163.90	168.35	167.06	168.65	0.002690	4.49	79.54	29.00	0.44
Reach-1	401.25		Bridge									
Reach-1	400	PF 2	339.00	162.90	165.84		166.04	0.003376	3.56	95.32	34.88	0.38
Reach-1	398	PF 2	339.00	159.60	164.97		165.12	0.002103	3.02	112.21	37.15	0.31
Reach-1	396	PF 2	339.00	158.80	163.32		163.54	0.003783	3.79	89.39	31.94	0.40
Reach-1	394	PF 2	339.00	157.10	161.07		161.49	0.007993	5.23	64.85	25.90	0.58
Reach-1	392	PF 2	339.00	155.00	159.73		159.91	0.003015	3.41	99.42	37.12	0.37
Reach-1	391	PF 2	339.00	154.20	159.71	156.55	159.79	0.000898	2.23	151.72	42.76	0.21
Reach-1	389.5		Bridge									
Reach-1	380	PF 2	339.00	153.00	159.53		159.59	0.000830	1.86	182.54	37.40	0.15
Reach-1	378	PF 2	339.00	153.10	159.50		159.54	0.000503	1.63	252.24	57.03	0.13
Reach-1	376	PF 2	688.00	152.80	159.30		159.46	0.002546	3.21	214.21	46.10	0.26
Reach-1	374	PF 2	688.00	152.60	158.54		158.81	0.004821	4.15	165.92	40.79	0.36
Reach-1	372	PF 2	688.00	152.20	157.64		157.96	0.006395	4.53	151.86	40.12	0.41
Reach-1	371	PF 2	688.00	150.60	157.58	154.09	157.74	0.001663	3.26	210.89	44.04	0.26
Reach-1	369.5		Bridge									
Reach-1	364	PF 2	688.00	149.50	157.08		157.41	0.003945	4.56	150.91	35.42	0.39
Reach-1	362	PF 2	688.00	148.40	156.49		156.82	0.005287	4.63	148.71	43.88	0.44
Reach-1	360	PF 2	688.00	147.30	154.78		155.55	0.013102	7.04	97.70	28.76	0.67
Reach-1	358	PF 2	731.00	146.50	153.22		153.47	0.002557	4.01	182.18	37.55	0.32
Reach-1	356	PF 2	731.00	144.80	152.69		152.85	0.001297	3.12	234.12	40.75	0.23
Reach-1	354	PF 2	731.00	145.00	152.46		152.62	0.001475	3.19	229.49	42.90	0.24
Reach-1	352	PF 2	731.00	144.40	152.27		152.43	0.001417	3.27	223.72	39.35	0.24
Reach-1	351	PF 2	731.00	142.30	152.22	147.76	152.35	0.001529	2.91	257.18	50.72	0.22
Reach-1	345		Bridge									
Reach-1	338	PF 2	731.00	138.50	147.28		147.36	0.000822	2.28	321.05	43.39	0.15
Reach-1	336	PF 2	731.00	138.40	147.27		147.32	0.000479	1.74	420.59	65.72	0.12
Reach-1	334	PF 2	731.00	138.33	147.19		147.26	0.000804	2.18	336.07	51.87	0.15
Reach-1	333	PF 2	731.00	138.17	146.92		147.03	0.001221	2.62	278.88	42.96	0.18
Reach-1	332	PF 2	731.00	137.90	146.72	141.48	146.82	0.001263	2.58	283.43	47.43	0.19
Reach-1	327		Bridge									
Reach-1	322	PF 2	731.00	137.40	146.06		146.18	0.001027	2.77	263.46	46.89	0.21
Reach-1	320	PF 2	731.00	137.17	145.92		146.01	0.000648	2.34	312.72	49.04	0.16
Reach-1	318	PF 2	731.00	136.76	145.66		145.80	0.001001	2.93	249.83	37.90	0.20
Reach-1	316	PF 2	724.00	136.20	145.36		145.44	0.001059	2.33	310.41	91.42	0.20
Reach-1	314	PF 2	724.00	135.60	145.11		145.16	0.000479	1.72	417.33	112.92	0.14
Reach-1	312	PF 2	724.00	136.70	145.07		145.10	0.000298	1.64	485.24	117.03	0.12
Reach-1	311	PF 2	724.00	136.80	144.66	141.24	144.88	0.002514	3.74	193.49	44.72	0.32
Reach-1	309.5		Bridge									
Reach-1	308.5	PF 2	724.00	136.60	144.63		144.83	0.002245	3.60	200.86	44.90	0.30
Reach-1	308	PF 2	724.00	135.00	144.26		144.39	0.001145	2.85	253.89	48.44	0.22
Reach-1	306	PF 2	724.00	134.20	144.16	138.41	144.25	0.000651	2.39	303.03	48.92	0.17
Reach-1	304	PF 2	724.00	133.60	144.10	137.24	144.17	0.000409	1.98	364.76	54.82	0.14
Reach-1	302	PF 2	1251.00	133.10	143.83	138.31	143.99	0.000997	3.24	385.93	53.90	0.21
Reach-1	301	PF 2	1251.00	132.90	143.86	137.10	143.93	0.000312	1.94	706.03	126.64	0.12
Reach-1	299.5		Bridge									
Reach-1	292	PF 2	1251.00	133.00	143.79	137.44	143.85	0.000404	2.16	642.70	123.99	0.14
Reach-1	290	PF 2	1251.00	133.00	143.74	137.44	143.84	0.000602	2.63	523.20	94.13	0.16
Reach-1	288	PF 2	1251.00	133.30	143.52	137.52	143.68	0.000966	3.26	383.69	50.70	0.21
Reach-1	286	PF 2	1251.00	132.70	143.20	138.02	143.38	0.001111	3.39	369.49	48.90	0.22
Reach-1	284	PF 2	1251.00	132.80	143.28	137.53	143.29	0.000122	1.17	1238.02	290.00	0.07
Reach-1	282	PF 2	1251.00	132.50	143.25	137.48	143.27	0.000169	1.49	1273.26	307.86	0.09
Reach-1	281	PF 2	1251.00	132.20	143.24	137.23	143.26	0.000079	1.28	1289.36	262.32	0.08
Reach-1	279.5		Bridge									
Reach-1	274	PF 2	1251.00	132.20	143.23		143.24	0.000075	1.05	1469.50	262.32	0.06
Reach-1	272	PF 2	1251.00	131.00	143.21		143.23	0.000097	1.25	1107.93	172.49	0.07
Reach-1	270	PF 2	2886.00	131.00	143.05		143.19	0.000605	3.31	1138.22	155.43	0.18
Reach-1	268	PF 2	4062.00	131.20	143.12		143.14	0.000077	1.02	3522.09	496.33	0.06
Reach-1	266	PF 2	4265.00	131.00	143.10		143.13	0.000093	1.14	3320.21	460.47	0.06
Reach-1	264	PF 2	4344.00	130.90	143.10		143.12	0.000089	1.13	3494.28	492.56	0.06
Reach-1	262	PF 2	4344.00	128.80	143.04		143.09	0.000224	1.81	2360.45	351.84	0.10
Reach-1	261	PF 2	4344.00	127.00	142.38	138.22	142.91	0.002037	6.23	755.62	89.02	0.33
Reach-1	259.5		Bridge									
Reach-1	252	PF 2	4344.00	127.50	140.66		142.04	0.008028	10.24	478.86	89.02	0.60
Reach-1	250	PF 2	4344.00	127.40	141.02	138.04	141.30	0.001602	4.82	1126.53	280.49	0.29
Reach-1	248	PF 2	4344.00	126.90	137.01	137.01	139.16	0.013133	12.54	456.16	153.45	0.95
Reach-1	246	PF 2	2280.00	125.50	137.75		137.81	0.000211	2.32	2013.72	405.78	0.14
Reach-1	244	PF 2	4106.00	125.00	137.49		137.60	0.000457	3.79	2452.33	427.26	0.20
Reach-1	242	PF 2	4106.00	124.90	137.36		137.47	0.000428	3.65	2708.76	443.76	0.19
Reach-1	241	PF 2	4106.00	124.90	137.15	130.87	137.27	0.000346	3.52	2194.01	383.90	0.18
Reach-1	239.5		Bridge									
Reach-1	234	PF 2	4106.00	124.90	137.12		137.23	0.000458	3.74	2142.08	366.13	0.20
Reach-1	232	PF 2	4106.00	124.90	137.00		137.13	0.000425	3.73	2020.09	354.08	0.20
Reach-1	230	PF 2	4106.00	124.40	136.81		136.98	0.000544	4.17	1648.05	247.29	0.22
Reach-1	228	PF 2	4106.00	124.40	136.82		136.86	0.000112	1.90	2419.52	271.65	0.10
Reach-1	226	PF 2	4106.00	124.30	136.70		136.81	0.000280	3.17	1681.50	232.62	0.16
Reach-1	224	PF 2	4106.00	124.20	136.72		136.76	0.000098	1.92	2775.17	363.30	0.10
Reach-1	222	PF 2	4126.00	123.10	136.46		136.71	0.001447	4.71	1446.38	246.58	0.25
Reach-1	221	PF 2	4126.00	123.00	135.62	130.61	136.51	0.003432	7.69	576.46	61.66	0.40
Reach-1	219.5		Bridge									

HEC-RAS Plan: Imported Pla River: RIVER-1 Reach: Reach-1 Profile: PF 2 (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	216	PF 2	4126.00	122.70	131.80	131.80	134.74	0.025500	14.25	303.32	50.00	0.99
Reach-1	214	PF 2	4126.00	122.30	132.46		133.26	0.004998	7.44	579.29	73.09	0.44
Reach-1	212	PF 2	4126.00	119.00	130.79		131.15	0.002096	5.16	863.75	110.82	0.29
Reach-1	210	PF 2	4126.00	118.60	129.50		130.20	0.004226	7.01	616.93	79.02	0.41
Reach-1	208	PF 2	4126.00	117.40	128.89		129.33	0.002374	5.28	781.92	86.30	0.31
Reach-1	206	PF 2	4126.00	117.20	128.37		128.80	0.002214	5.34	792.46	89.03	0.31
Reach-1	204	PF 2	4126.00	115.10	128.10		128.31	0.000849	3.63	1135.75	100.10	0.19
Reach-1	202	PF 2	4126.00	115.20	127.76		127.89	0.000536	2.88	1430.75	131.60	0.15
Reach-1	200	PF 2	4126.00	115.20	127.32	120.38	127.60	0.001309	4.22	977.51	101.42	0.24

CALIFORNIA RURAL INDIAN HEALTH BOARD, INC.

Dear Neighbor,

The California Rural Indian Health Board (CRIHB) purchased the building at 1020 Sun Down Way. We will be moving into the building next year. However, the City of Roseville requires that our agency secure a certain number of parking spaces to accommodate guests during special events that we host. For example, we can have up to 100-200 participants for an outdoor function we hold annually which we call our Traditional Indian Health Conference which is held during May each year. If we have another event during the year we would give you a 30 day notice. Due to the limited number of parking spaces on our site, we are requesting your permission to utilize up to 50 of your perimeter parking spaces during after-business hours and weekends. We will be shuttling those that use your spaces to our site. If you agree, please sign your organization's name and indicate the number of parking spaces we have access to during these periodic events. Thank you very much for your consideration.

CRIHB shall indemnify, defend, and hold harmless Belair Market, its officers, officials, employees, and volunteers from and against any and all liability, claims, damage, cost, expenses, awards, fines, judgments, and attorney fees (including, without limitation, costs, attorney fees, expert witness fees, and other expenses of litigation) of every nature arising out of or in connection the utilization of the Belair Market parking spaces authorized for use during CRIHB's after hours and weekend events.

Organization's Name: Bel Air

ADDRESS: 1039 Sunrise Ave Roseville Ca

☑ Agrees to allow the California Rural Indian Health Board 50 parking spaces during after business hours and weekends.

Amy Machis Signature of Authorized Official

Store Teamleader Title

10/25/16 Date

4400 Auburn Blvd., 2nd Floor, Sacramento, CA 95841
Phone: 916-929-9761 · Fax: 916-929-7246 · www.crihb.org · firstname.lastname@crihb.org

PROJECT LOCATION
1020 SUNDOWN WAY
ROSEVILLE, CA 95661

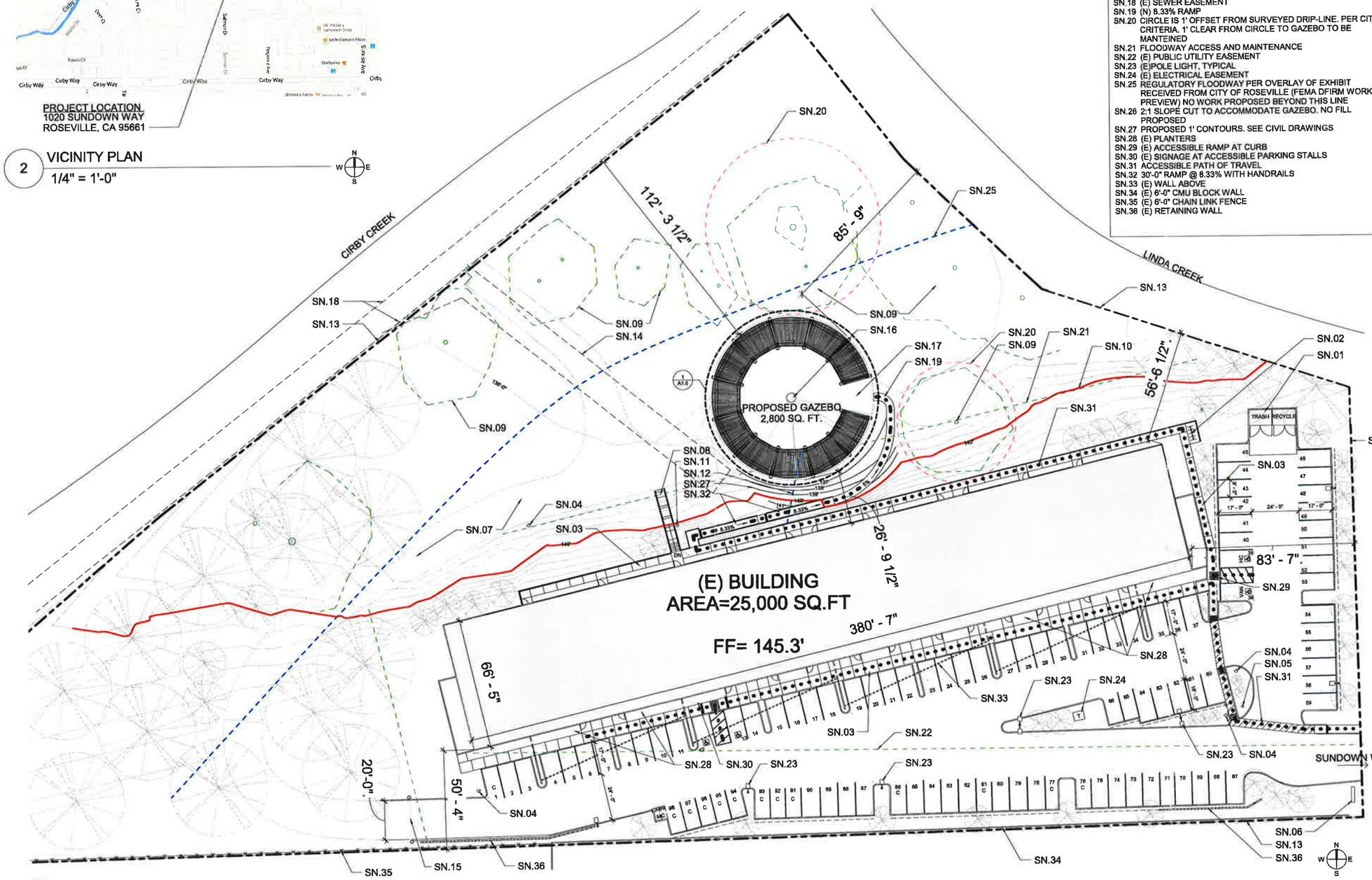
2 VICINITY PLAN
1/4" = 1'-0"

PARKING DATA:

PARKING STALLS:	BICYCLE PARKING:
STANDARD = 78	5 SPACES
COMPACT = 16	
HANDICAP = 4	NOTE:
MOTOCYCLE = 2	1 STALL PER 250 SQ. FT.

SHEET NOTES:

SN.01 (E) TRASH ENCLOSURE
SN.02 (E) BIKE RACK FOR 5
SN.03 (E) CONCRETE WALK
SN.04 (E) FIRE HYDRANT
SN.05 (E) FIRE DEPARTMENT CONNECTION
SN.06 (E) MONUMENT SIGN
SN.07 (E) FIRE DEPARTMENT ACCESS ROAD AND TURN AROUND
SN.08 (E) FIRE DEPARTMENT ACCESS WALK
SN.09 (E) OAK TREE DRIPLINE
SN.10 1% ANNUAL CHANCE WATER-SURFACE ELEVATION WITH FLOODWAY
SN.11 (E) WATER VALVE
SN.12 (N) UNDERGROUD CONDUIT FOR FUTURE ELECTRICAL CONNECTION. 4PLEX WILL BE INSTALLED ABOVE FLOOD PLAIN
SN.13 (E) PROPERTY LINE
SN.14 (E) EASEMENT LINE
SN.15 (E) CONTROL ACCESS
SN.16 (N) FIRE PIT
SN.17 (N) DESCOMPOSED GRANITE TO BE PLACED AS FINISHED SURFACE AT NEW GAZEBO
SN.18 (E) SEWER EASEMENT
SN.19 (N) 8.33% RAMP
SN.20 CIRCLE IS 1' OFFSET FROM SURVEYED DRIP-LINE. PER CITY CRITERIA. 1' CLEAR FROM CIRCLE TO GAZEBO TO BE MANTEINED
SN.21 FLOODWAY ACCESS AND MAINTENANCE
SN.22 (E) PUBLIC UTILITY EASEMENT
SN.23 (E)POLE LIGHT, TYPICAL
SN.24 (E) ELECTRICAL EASEMENT
SN.25 REGULATORY FLOODWAY PER OVERLAY OF EXHIBIT RECEIVED FROM CITY OF ROSEVILLE (FEMA DFIRM WORKMAP PREVIEW) NO WORK PROPOSED BEYOND THIS LINE
SN.26 2:1 SLOPE CUT TO ACCOMMODATE GAZEBO. NO FILL PROPOSED
SN.27 PROPOSED 1' CONTOURS. SEE CIVIL DRAWINGS
SN.28 (E) PLANTERS
SN.29 (E) ACCESSIBLE RAMP AT CURB
SN.30 (E) SIGNAGE AT ACCESSIBLE PARKING STALLS
SN.31 ACCESSIBLE PATH OF TRAVEL
SN.32 30'-0" RAMP @ 8.33% WITH HANDRAILS
SN.33 (E) WALL ABOVE
SN.34 (E) 6'-0" CMU BLOCK WALL
SN.35 (E) 6'-0" CHAIN LINK FENCE
SN.36 (E) RETAINING WALL



1 SITE PLAN
1" = 20'-0"

DO NOT DRAW IN THIS SPACE

PL16-0138

INFILL PCL 226 & 304 -
NEW CEREMONIAL GAZEBO
1020 SUNDOWN WY

FULL COST
DRP, CUP,FEP

K A P
KELLY ARCHITECTURE & PLANNING
6828 Lonetree Blvd.
Rocklin, CA. 95765
916.797.1100

Client: **EXHIBIT A**

Facility:
CALIFORNIA RURAL INDIAN HEALTH BOARD, INC.
1020 SUNDOWN WAY
ROSEVILLE, CA

Project Name:
CEREMONIAL GAZEBO

Submittal:
DESIGN REVIEW PERMIT

Architect of Record

Consultant

Revisions
Description Date

Approvals

RECEIVED
SEP 09 2016
Planning Division

Key Plan

N.T.S.

KAP Job No.:	222.01
Scale:	AS SHOWN
Date:	09/09/16
Drawn By:	AG
Checked By:	KM

Sheet Name
SITE PLAN

Sheet Number
A0.1

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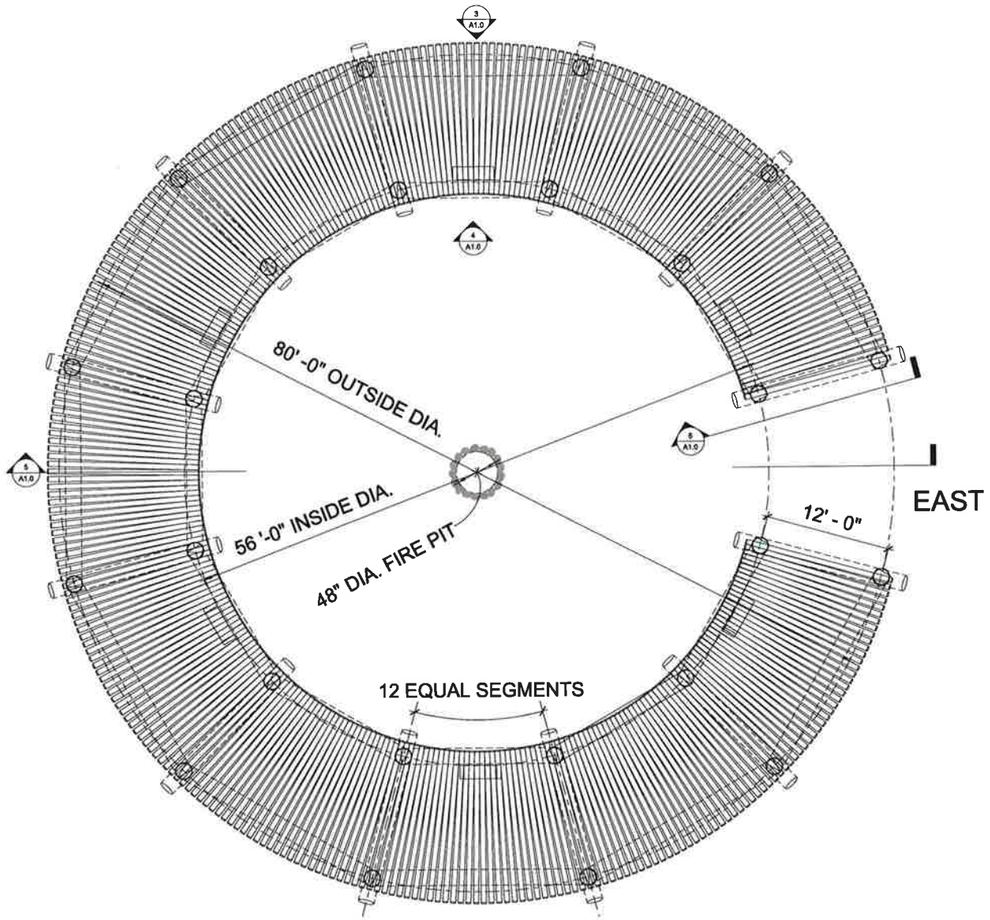
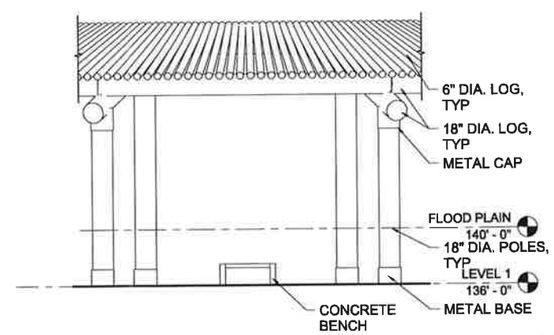
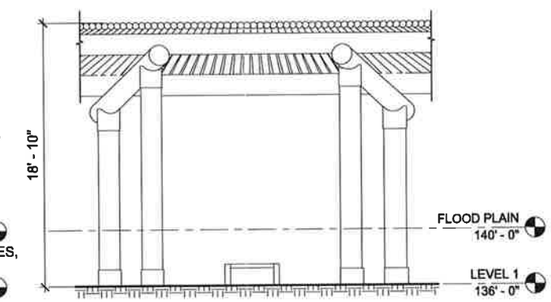


1 ENLARGED FLOOR PLAN
3/16" = 1'-0"

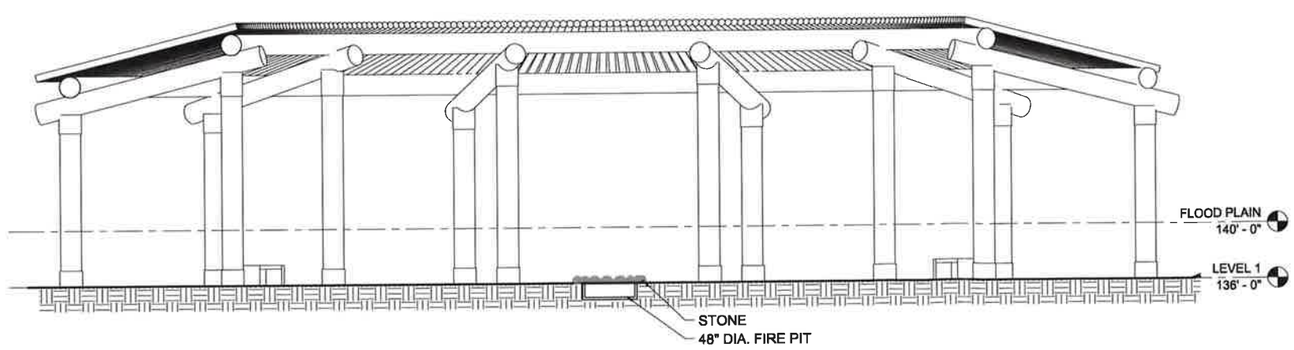
2 CEREMONIAL GAZEBO - RENDERING
1/4" = 1'-0"



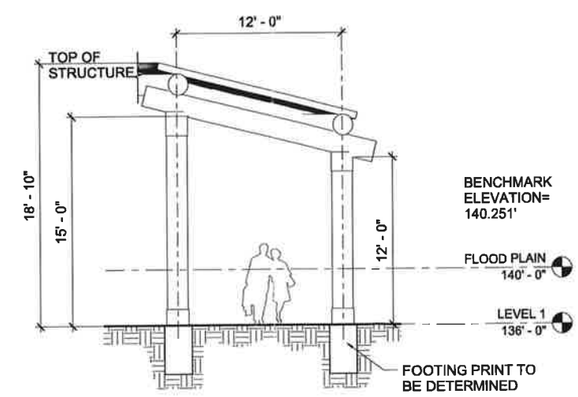
3 PARTIAL EXTERIOR ELEVATION
1/4" = 1'-0"



4 PARTIAL INTERIOR ELEVATION
1/4" = 1'-0"



5 OVERALL CROSS SECTION
1/4" = 1'-0"



6 PARTIAL CROSS SECTION
1/4" = 1'-0"

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PL16-0138

INFILL PCL 226 & 304 -
NEW CEREMONIAL GAZEBO
1020 SUNDOWN WY

FULL COST
DRP, CUP,FEP

KAP
KELLY ARCHITECTURE & PLANNING
6528 LONETREE BLVD.
ROCKLIN, CA. 95765

EXHIBIT B

Client:

Facility:
CALIFORNIA RURAL INDIAN HEALTH BOARD, INC.
1020 SUNDOWN WAY
ROSEVILLE, CA

Project Name:
CEREMONIAL GAZEBO

Submittal:
DESIGN REVIEW PERMIT

Architect of Record

LICENSED ARCHITECT KELLY W. MILES C27597 exp. 5/17 STATE OF CALIFORNIA

Consultant

Revisions
Description Date

Approvals

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Planning Division

Key Plan

N.T.S

KAP Job No.:	222.01
Scale:	AS SHOWN
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Drawn By:	AG
Checked By:	KM

Sheet Name
FLOOR PLAN, SECTIONS & RENDERING

Sheet Number
A1.0

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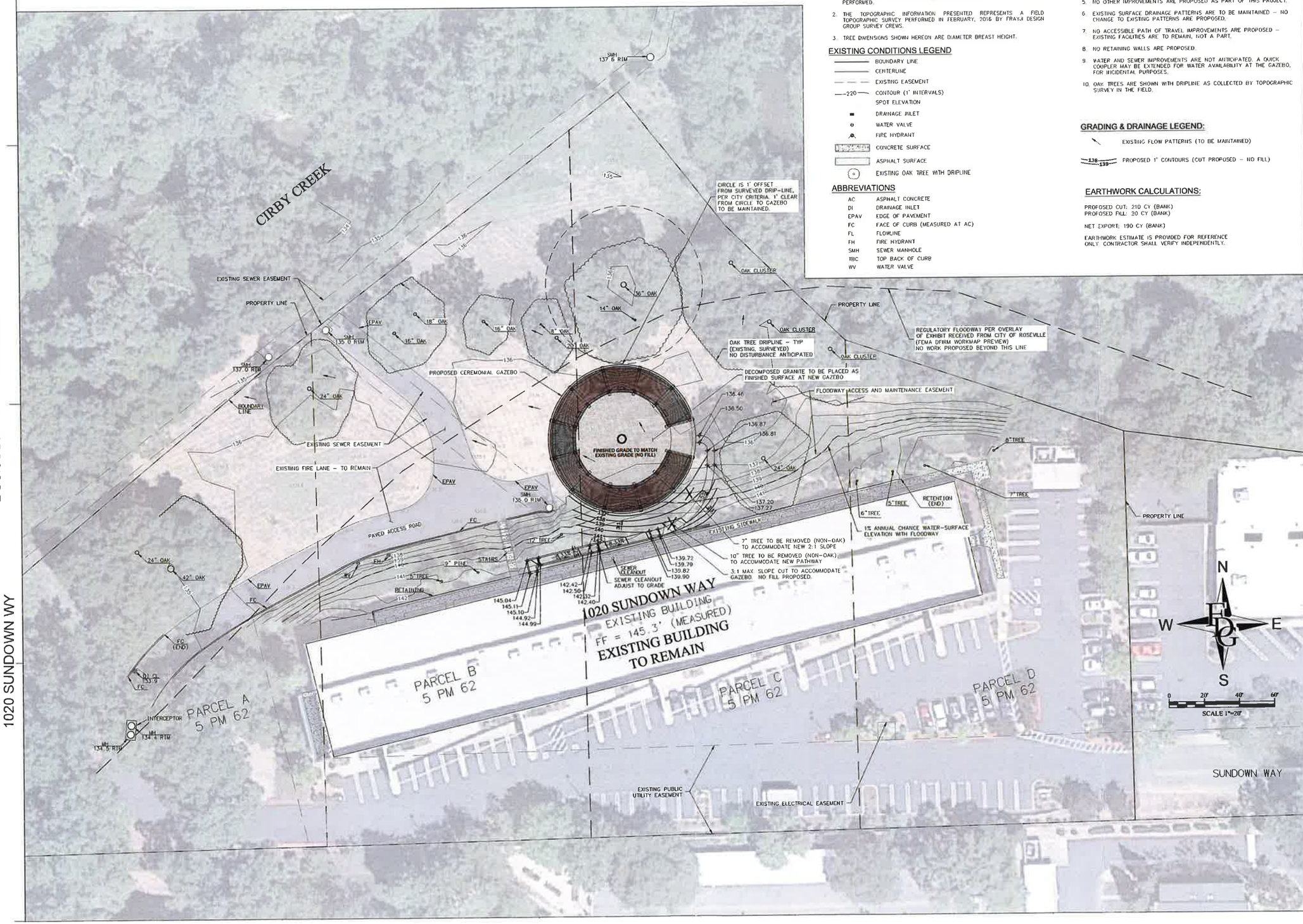
PL16-0138

INFILL PCL 226 & 304 -
NEW CEREMONIAL GAZEBO
1020 SUNDOWN WY

FULL COST
DRP, CUP,FEP



BENCHMARK

ELEVATION: ELEVATION = 140.251' (NAVD 88')

DESCRIPTION: CITY OF ROSEVILLE BENCHMARK NO. 89 ~ FOUND 3-1/4" BRASS DISK STAMPED "SEPT. 97, LS 4519" NEAR CIRBY CREEK BY COLOMA WAY AT NORTHEASTERLY CORNER OF BRIDGE IN SIDEWALK LOCATED (PUBLISHED ELEVATION = 137.741'). APPLIED VERTICAL TRANSLATION OF +2.51' TO CONVERT TO NAVD 88' PER NOAA'S NGS VERTCON TOOL.

GENERAL NOTES

1. THE BOUNDARY FOR THIS SURVEY WAS PREPARED FROM ACQUIRED PRELIMINARY TITLE REPORTS, PLATS AND MAPS OF RECORD. THE BOUNDARY LINES AND EASEMENTS AS SHOWN HEREON WERE COMPILED FROM RECORD INFORMATION ONLY. A FIELD BOUNDARY SURVEY WAS NOT PERFORMED.
2. THE TOPOGRAPHIC INFORMATION PRESENTED REPRESENTS A FIELD TOPOGRAPHIC SURVEY PERFORMED IN FEBRUARY, 2016 BY FRAYJI DESIGN GROUP SURVEY CREWS.
3. TREE DIMENSIONS SHOWN HEREON ARE DIAMETER BREAST HEIGHT.

EXISTING CONDITIONS LEGEND

- BOUNDARY LINE
- CENTERLINE
- EXISTING EASEMENT
- —220— CONTOUR (1' INTERVALS)
- SPOT ELEVATION
- DRAINAGE INLET
- WATER VALVE
- FIRE HYDRANT
- CONCRETE SURFACE
- ASPHALT SURFACE
- EXISTING OAK TREE WITH DRIPLINE

ABBREVIATIONS

AC	ASPHALT CONCRETE
DI	DRAINAGE INLET
EPAV	EDGE OF PAVEMENT
FC	FACE OF CURB (MEASURED AT AC)
FL	FLOWLINE
FH	FIRE HYDRANT
SMH	SEWER MANHOLE
TBC	TOP BACK OF CURB
WV	WATER VALVE

NOTES:

1. EXISTING GRADE IS TO BE MAINTAINED AT THE PROPOSED GAZEBO LOCATION, WITH EXCEPTION OF ADDITIONAL CUT TO BE PROVIDED AT SOUTHERN EDGE OF GAZEBO TO ACCOMMODATE FOOTPRINT. NO FILL IS PROPOSED WITHIN THE FLOODPLAIN AS PART OF THIS PROJECT.
2. GAZEBO IS TO BE AN OPEN STRUCTURE. (REFER TO ARCHITECTURAL PLANS) WHICH WILL ALLOW WATER TO RAISE, RECEDE, AND FLOW THROUGH THE STRUCTURE.
3. COLUMNS SUPPORTING THE GAZEBO SHALL BE ANCHORED TO WITHSTAND HYDROSTATIC PRESSURES. STRUCTURAL DESIGN TO BE PROVIDED WITH IMPROVEMENT PLANS, BY OTHERS.
4. BENCHES ARE PROPOSED AT THE PERIMETER OF THE OPEN GAZEBO, AS SHOWN. BENCHES SHALL BE ANCHORED TO PREVENT BEING DISPLACED DURING FLOOD EVENTS.
5. NO OTHER IMPROVEMENTS ARE PROPOSED AS PART OF THIS PROJECT.
6. EXISTING SURFACE DRAINAGE PATTERNS ARE TO BE MAINTAINED – NO CHANGE TO EXISTING PATTERNS ARE PROPOSED.
7. NO ACCESSIBLE PATH OF TRAVEL IMPROVEMENTS ARE PROPOSED – EXISTING FACILITIES ARE TO REMAIN, NOT A PART.
8. NO RETAINING WALLS ARE PROPOSED.
9. WATER AND SEWER IMPROVEMENTS ARE NOT ANTICIPATED. A QUICK COUPLER MAY BE EXTENDED FOR WATER AVAILABILITY AT THE GAZEBO, FOR INCIDENTAL PURPOSES.
10. OAK TREES ARE SHOWN WITH DRIPLINE AS COLLECTED BY TOPOGRAPHIC SURVEY IN THE FIELD.

GRADING & DRAINAGE LEGEND:

- EXISTING FLOW PATTERNS (TO BE MAINTAINED)
- 138 139 PROPOSED 1' CONTOURS (CUT PROPOSED – NO FILL)

EARTHWORK CALCULATIONS:

PROPOSED CUT: 210 CY (BANK)
PROPOSED FILL: 20 CY (BANK)

NET EXPORT: 190 CY (BANK)

EARTHWORK ESTIMATE IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY INDEPENDENTLY.

KAP
KELLY ARCHITECTURE & PLANNING
6528 LONETREE BLVD.
ROCKLIN, CA. 95765
916.797.1199

Client:

EXHIBIT C

Facility:
CALIFORNIA RURAL INDIAN HEALTH BOARD, INC.

1020 SUNDOWN WAY
ROSEVILLE, CA

Project Name:
CEREMONIAL GAZEBO

Submittal:
DESIGN REVIEW PERMIT

Engineer of Record

Consultant

FRAYJI DESIGN GROUP, INC.

Revisions

Description	Date

Approvals

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SEP 09 2016
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Key Plan

KAP Job # / FDG Job #	222.01/29300
Scale:	AS SHOWN
Date:	08-10-16
Drawn By:	JR
Checked By:	JR

Sheet Name
GRADING, DRAINAGE, AND FLOOD ENCROACHMENT PERMIT PLAN

Sheet Number
C1.0

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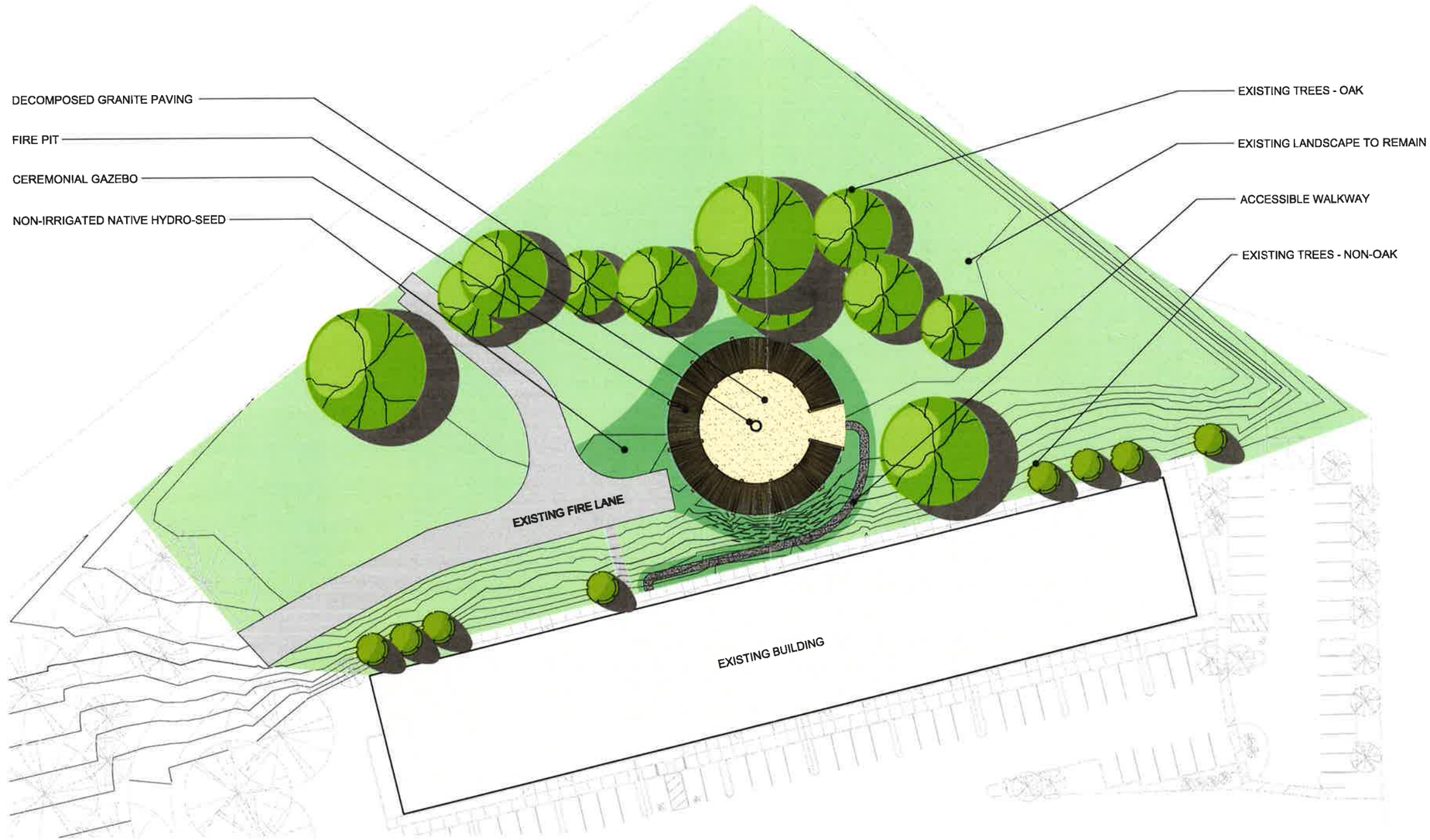

KEY	LANDSCAPE LEGEND	KEY	LANDSCAPE LEGEND	KEY	LANDSCAPE LEGEND
	EXISTING TREES - OAK		NON-IRRIGATED NATIVE HYDRO-SEED NATIVE LANDSCAPE DAMAGED DURING CONSTRUCTION RELATED ACTIVITIES SHALL BE REPLACED WITH A NON-IRRIGATED NATIVE HYDRO-SEED MIX.		DECOMPOSED GRANITE PAVING GOLD COLORED DECOMPOSED GRANITE PAVING TO BE INSTALLED 4" THICK BENEATH GAZEBO
					ACCESSIBLE WALKWAY
	EXISTING TREES - NON-OAK		EXISTING LANDSCAPETO REMAIN EXISTING NATIVE AND MANICURED LANDSCAPE AREAS TO REMAIN.		EXISTING PAVEMENT EXISTING PAVEMENT TO REMAIN

N

20' 10' 0 20' 40'

SCALE: 1"= 20'-0"

16-19

MTW group
Mamuyac
Takehara
Woroniecki

LANDSCAPE ARCHITECTURE AND PLANNING
10411 Old Placerville Road
Suite 205
Sacramento, CA 95827
916 369-3990

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INFILL PCL 226 & 304 -
NEW CEREMONIAL GAZEBO
1020 SUNDOWN WY

FULL COST
DRP, CUP,FEP

KAP
KELLY ARCHITECTURE & PLANNING
6528 LONETREE BLVD.
ROCKLIN, CA. 95765
916.797.1199

Client: **EXHIBIT D**

Facility:
CALIFORNIA RURAL INDIAN HEALTH BOARD, INC.
1020 SUNDOWN WAY
ROSEVILLE, CA

Project Name:
CEREMONIAL GAZEBO

Submittal:
DESIGN REVIEW PERMIT

Architect of Record

Consultant

Bryan Hollis Walker C-3453

Revisions

Description	Date
△	
△	
△	
△	
△	
△	

Approvals

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KAP Job No.:	222.01
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Date:	09-07-16
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Checked By:	BW

Sheet Name
SCHEMATIC LANDSCAPE PLAN

Sheet Number
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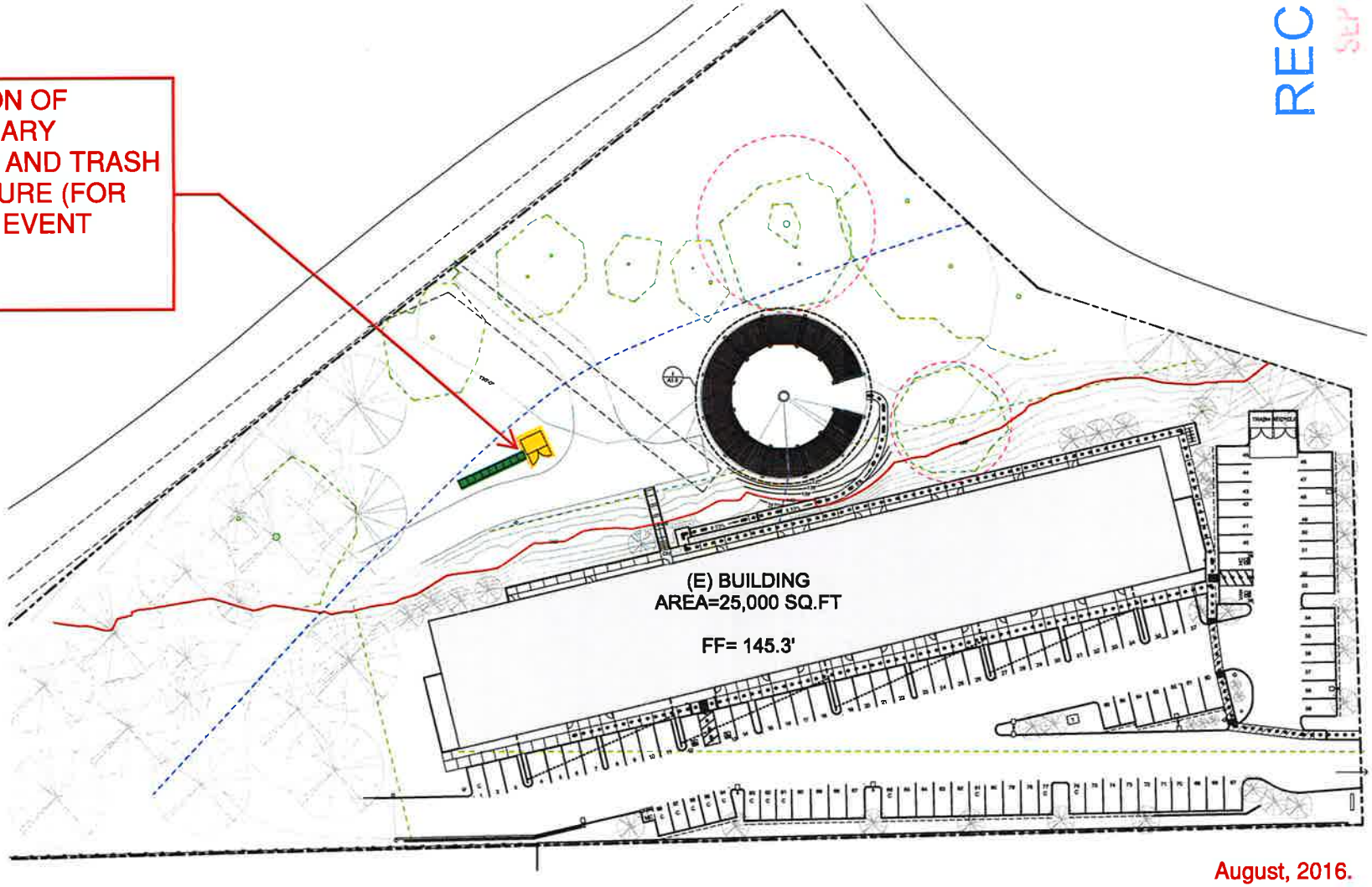

August, 2016.

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INFILL PCL 226 & 304 -
NEW CEREMONIAL GAZEBO
1020 SUNDOWN WY

FULL COST
DRP, CUP,FEP

EXHIBIT E