SDP - Comment Response Letter

Citizen on Constitution El Paso County, Colorado

Prepared for:

The Citizen on Constitution, LLC c/o: The Garrett Companies, Inc. Andrew White 1051 Greenwood Springs Blvd, Suite 101 Greenwood, IN 46143 Contact: (317) 497-8275

Prepared by: Kimley-Horn and Associates, Inc. 2 North Nevada Ave, Suite 300 Colorado Springs, Colorado 80903 (719) 284-7281 Contact: Mitchell Hess, P.E.

Project #: 096481004

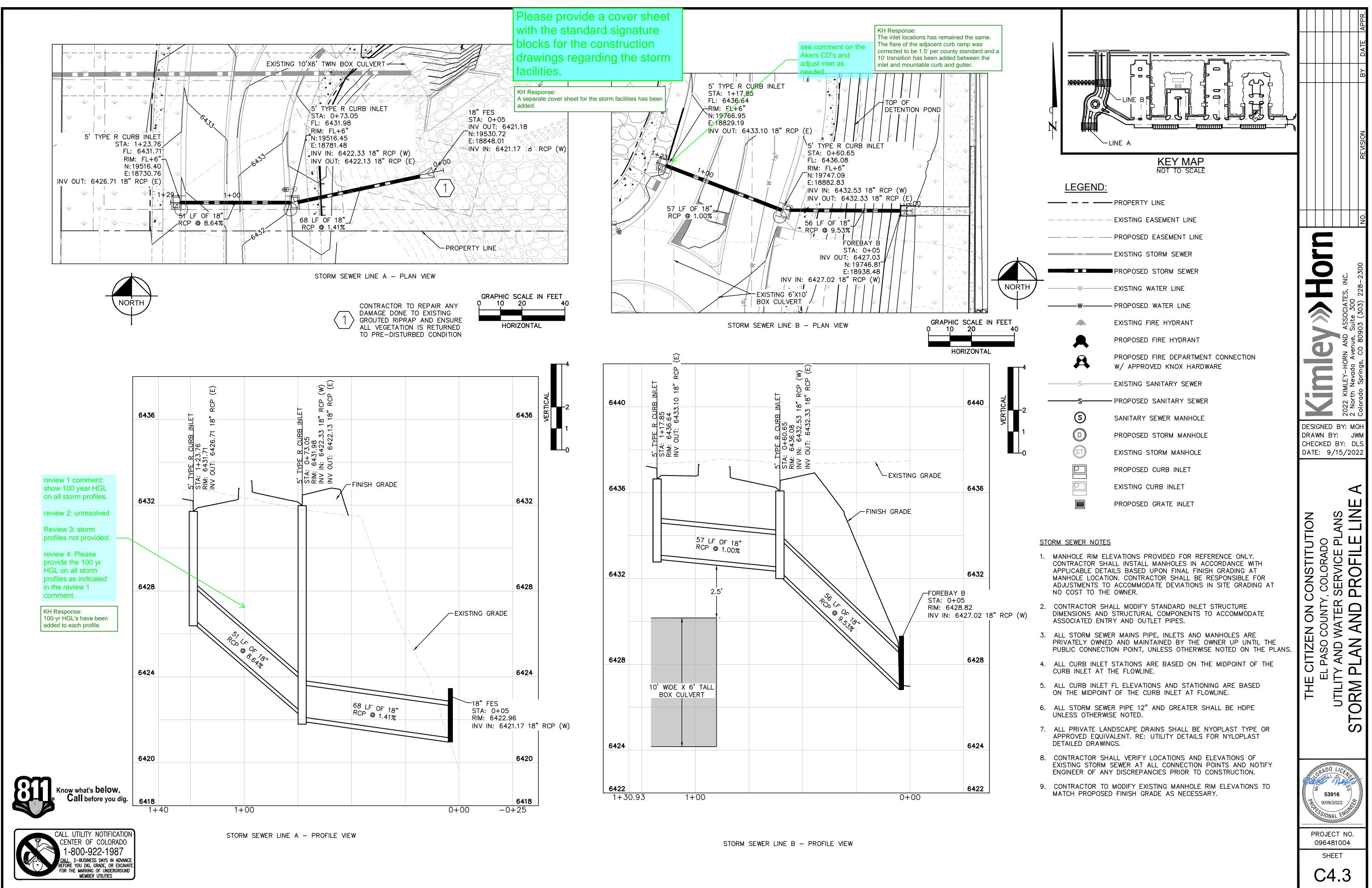
Prepared: October 26th, 2022

PCD File Number: SF-226

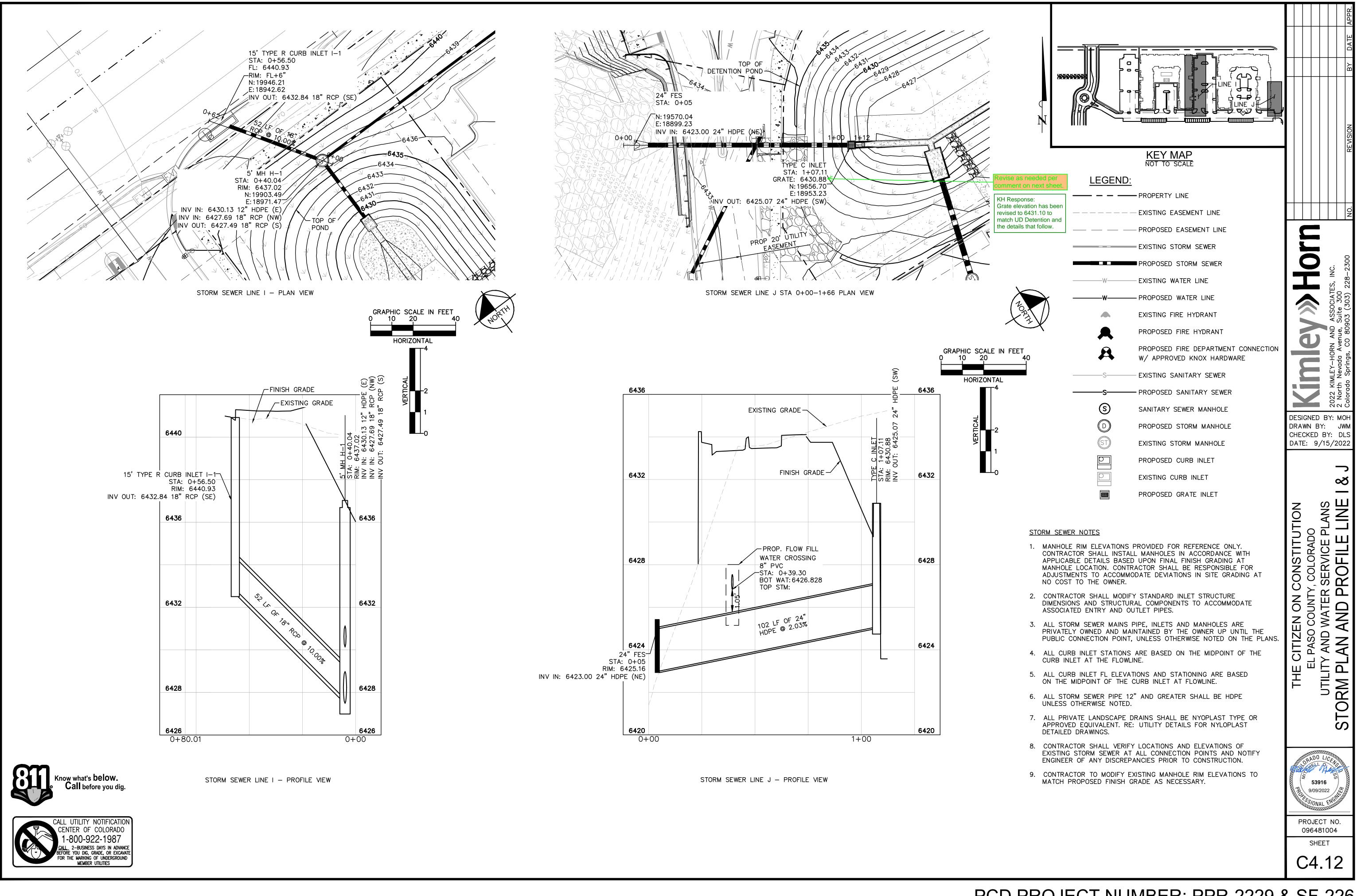




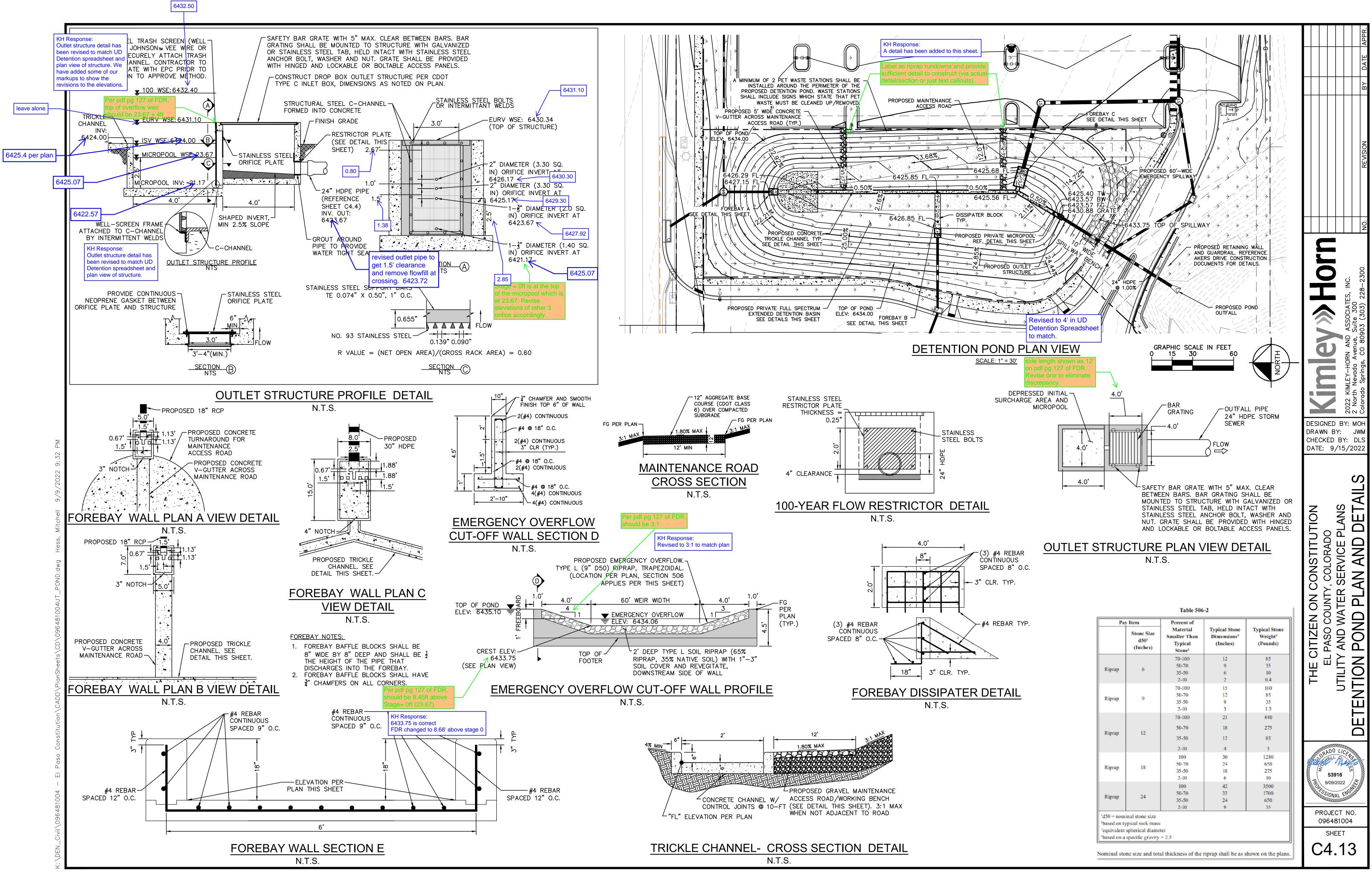
ONSITE CD'S – PCD ENGINEERING COMMENT RESPONSE



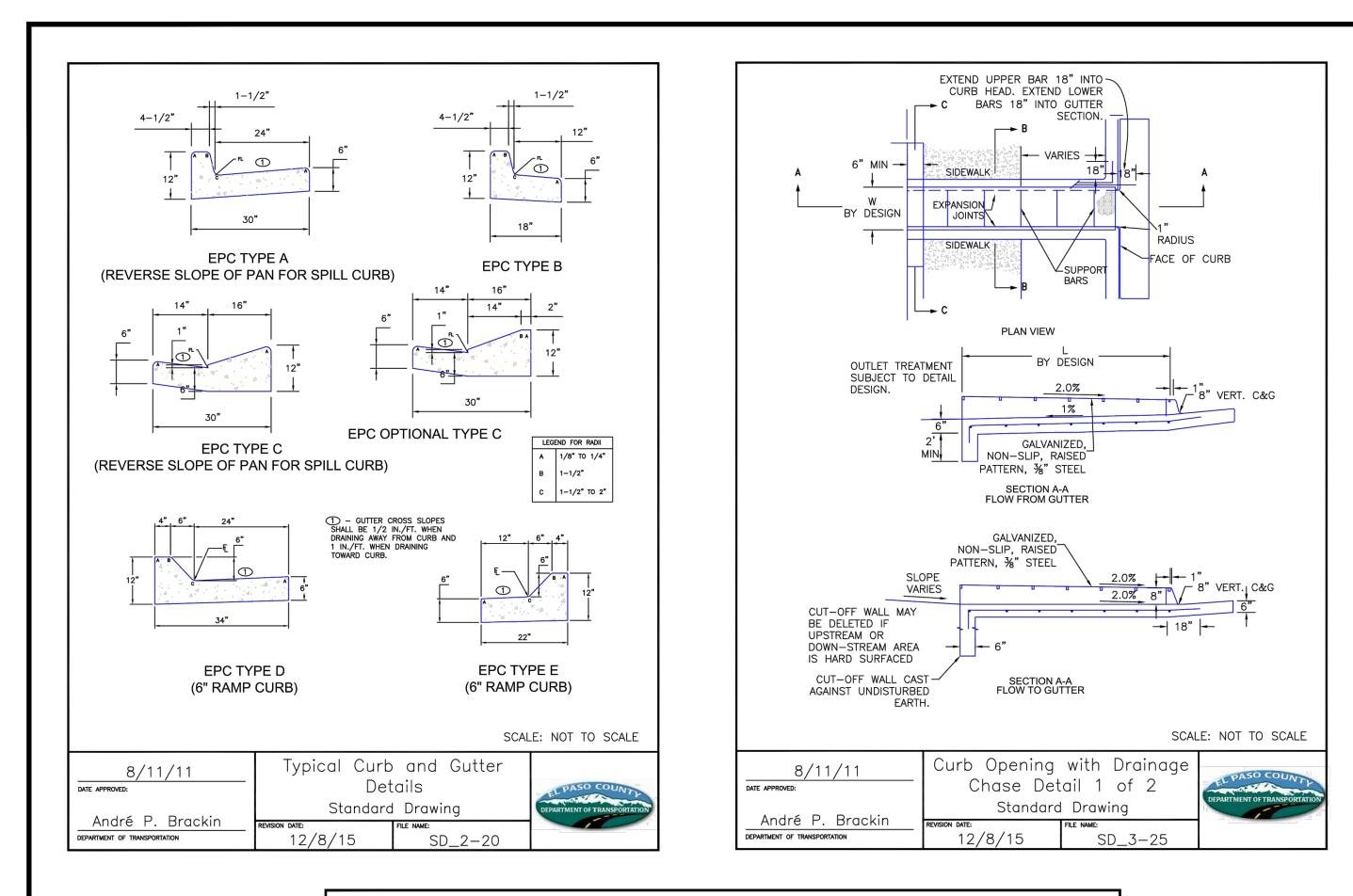
PCD PROJECT NUMBER: PPR-2229 & SF-226

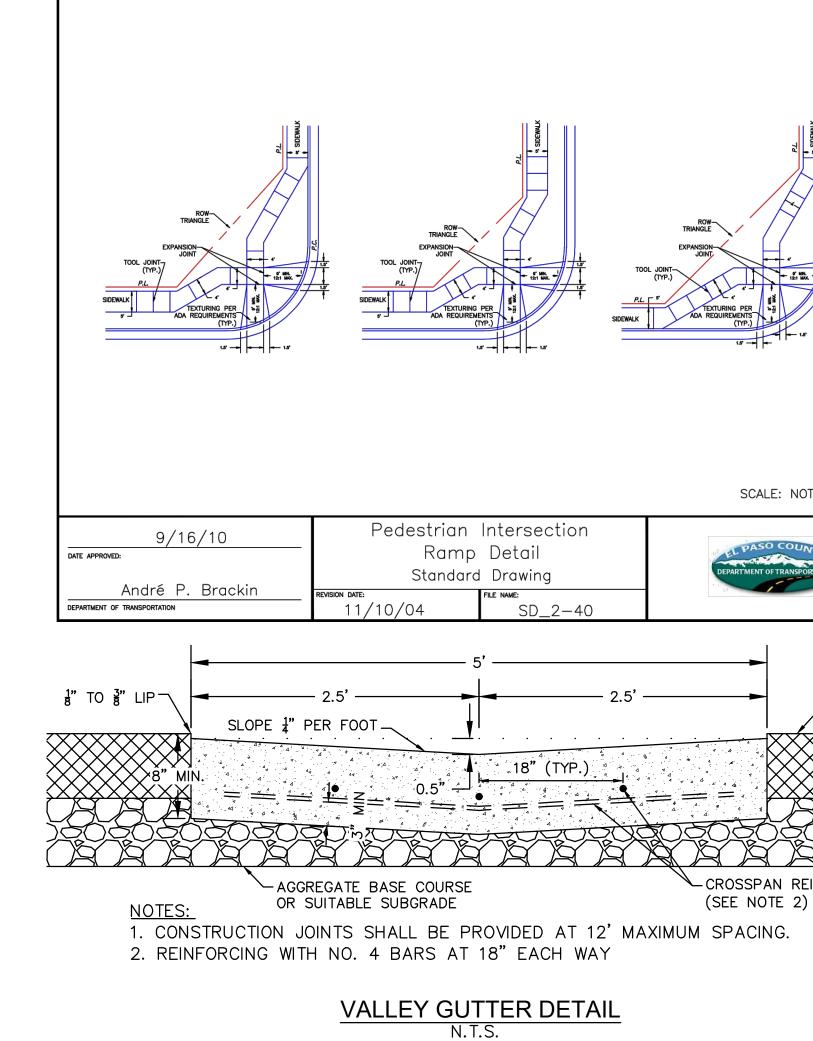


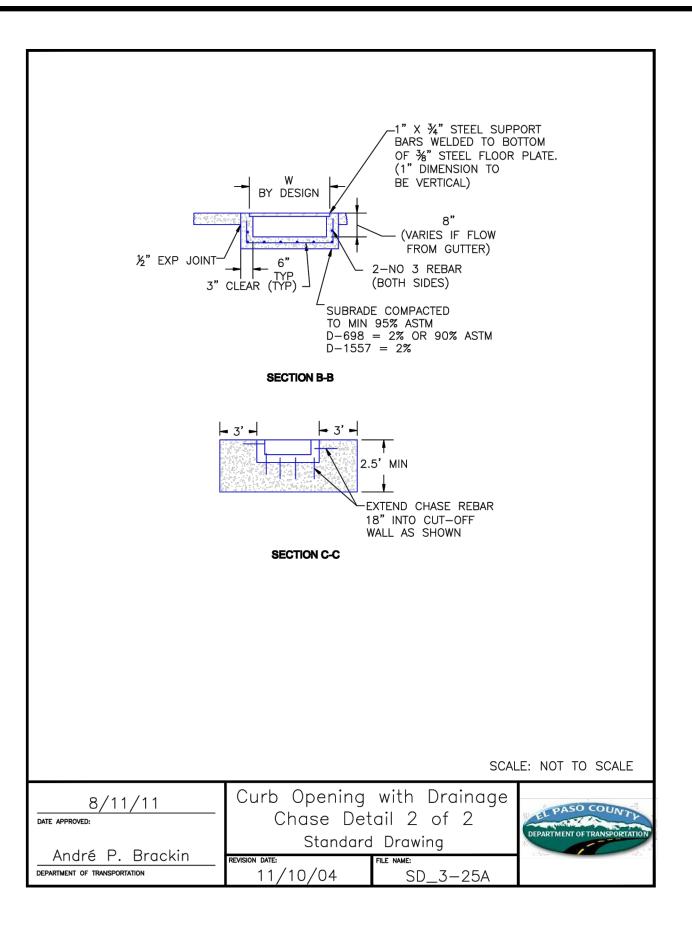
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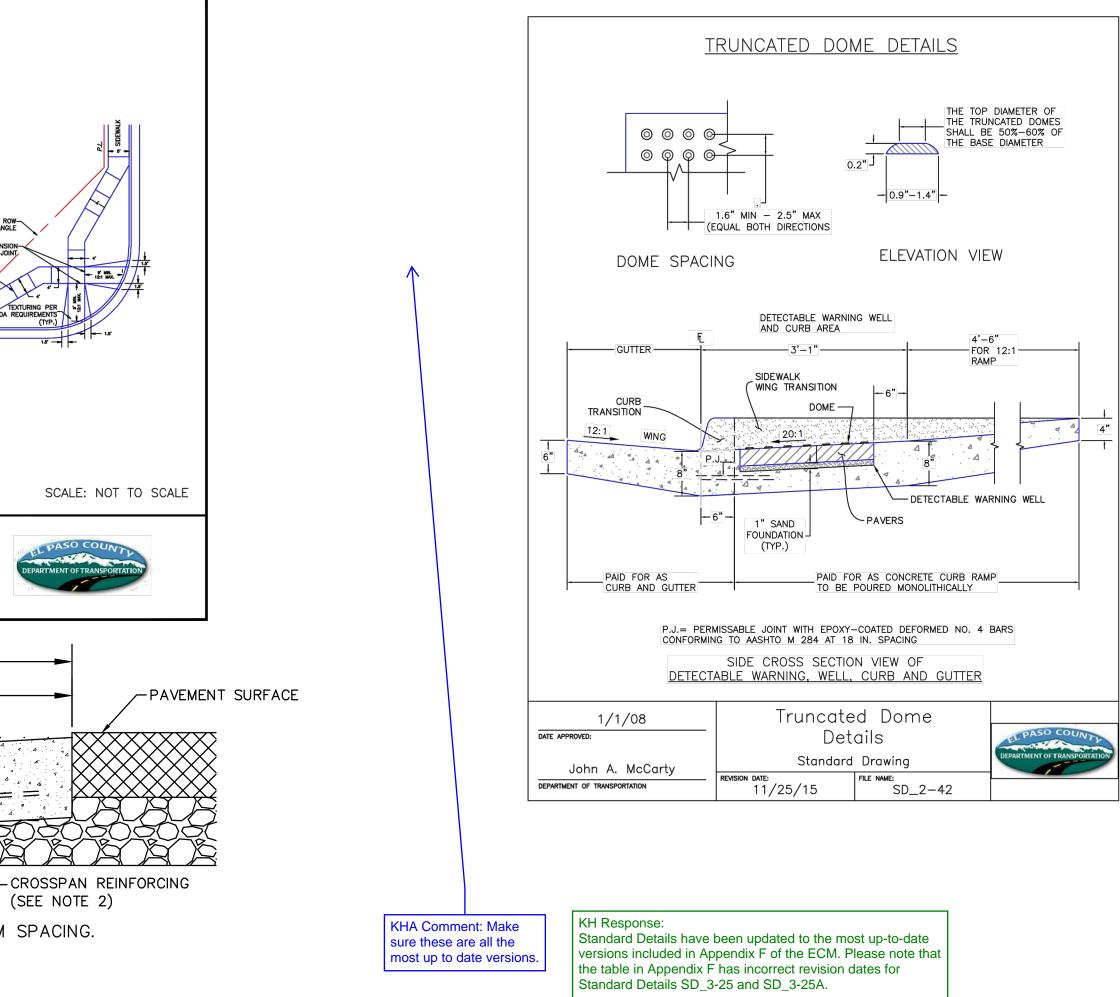


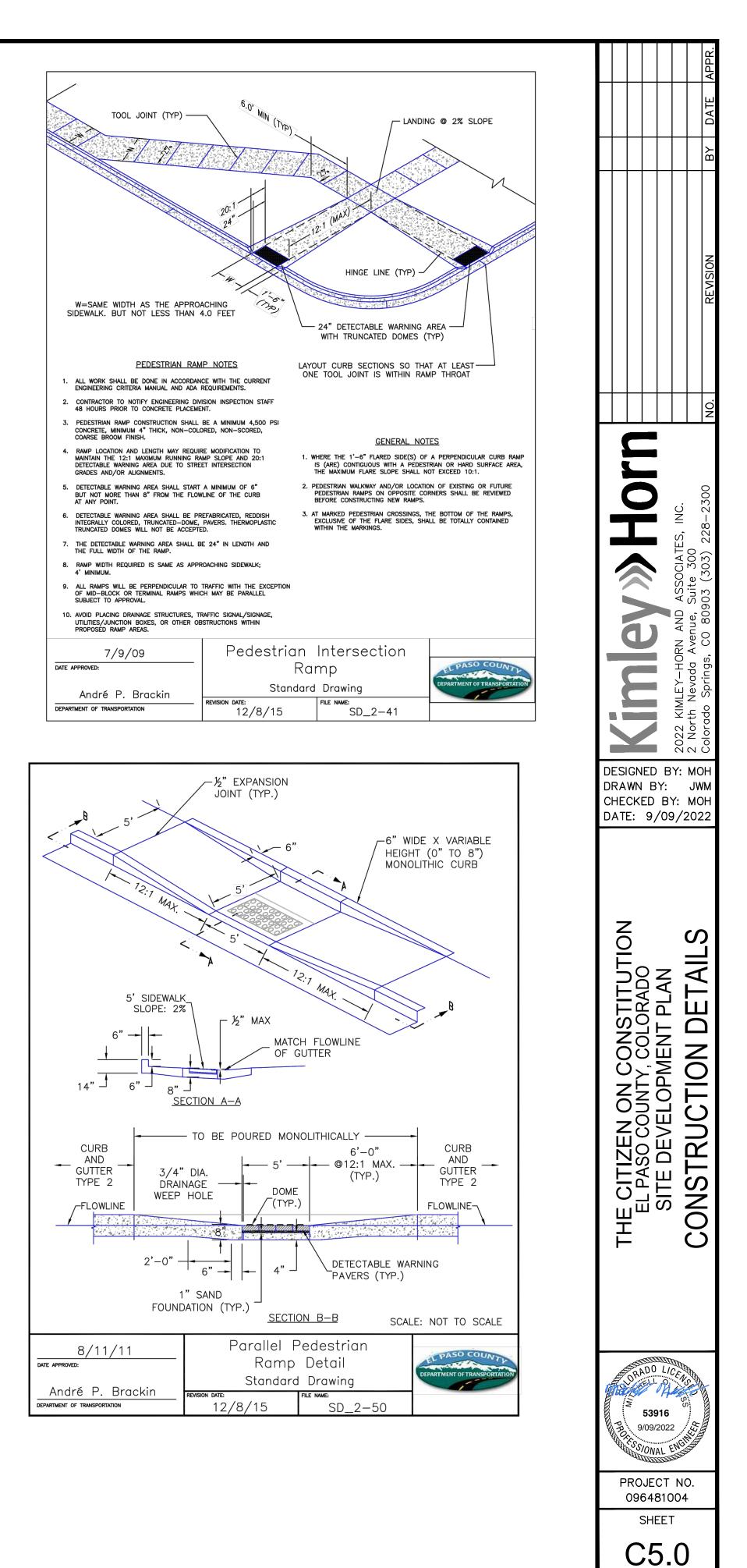
PCD PROJECT NUMBER: PPR-2229 & SF-226











DRAINAGE REPORT – PCD ENGINEERING COMMENT RESPONSE

CERTIFICATION

DESIGN ENGINEER'S STATEMENT

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparation of this report.

SIGNATURE (Affix Seal):

Colorado P.E. No. 53916



OWNER/DEVELOPER'S STATEMENT

I, the developer, have read and will comply with all of the requirements specified in this Drainage Report and Plan.

The Citizen on Constitution, LLC. Name of Developer

Authorized Signature

Date

Printed Name

Title

Address:

EL PASO COUNTY

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 and 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

Joshua Palmer, P.E.		Date
Interim County Enginee		
Conditions:		
	Please remove interim label	KH Response: Label has been updated.

Kimley *Whorn*

Conditions Drainage Map.

2.15 per drainage planand gal cutations. Please revise.

KH Response: The report has been revised to match calculations and drainage map.

Sub-Basin OS3 consists of an offsite basin to the northeast of the Property. Drainage flows overland from north to south and conveys to the northern line of Sub-basin EX2 at Design Point OS3. Direct runoff during the 5-year and 100-year events are 0.20 cfs and 1.33 cfs. h poin KH Response: respectively. Runoff from this basin KH Response: The report has been revised to match

calculations and drainage map.

into the Sub-basin EX2, which is impervious value for this basin is 2% Map.

0.97 cfs per drainage plan and calculations. PROPOSED RATIONAL SUB-BASIE COSEPTIONS

The report has been revised to match

Existing conductor prainage Cumulative flows per the drainage plan and calculations are 0.86cfs and 1.60 cfs.

calculations and drainage map.

an al

Sub-Basin A1 consists of landscaping and a gravel emergency access reading the mergency access portion of the site which will have minimal grading to tie into the rest of the multi-family development on site. Runoff from this basin will be directed to design point A1 and will follow the historical drainage pattern by sheet flowing from north to south and eventually flowing to the existing gulch. This sub-basin has an area of 0.87 acres. The impervious value for this basin is 2%. The basin will generate runoff of 0.26 cfs and 1.92 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basins OA1 and OA2, are 0.75 and 2.15 cfs, respectively. Please see below discussion in the Municipal Separate Storm Sewer System (MS4) discussion for additional information on how stormwater quality is being addressed for basins that run offsite.

Sub-Basin A2 consists of a portion of landscaping and the existing gulch on the south side of the site. Runoff from this basin will follow the historical drainage pattern by sheet flowing to adjacent southern property and eventually flowing to the guildh. This sub-basin has an area of 0.41 acres. The impervious value for this basin is 42%. The basin will generate runoff of 0.89 cfs and 2.27 cfs in the minor and major storm event. Please see below discussion in the Municipal Separate Storm Sewer System (MS4) discussion for additional information on how stormwater quality is being addressed for basins that run offsite.

Sub-Basin B1 consists of a portion of landscaping, roadway, and sidewalk. Runoff from this basin will be directed into design point B1 where it will be captured by inlet B1 and directed to the West Pond located in sub-basin C1 via storm drain system. Inlet B1 has been adequately sized to convey anticipated onsite flows from this sub-basin. This sub-basin has an area of 0.13 acres. The impervious value for this basin is 83%. The basin will generate runoff of 0.51 cfs and 2.15 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basin OB1, are 0.78 and 1.47 cfs, respectively.

Sub-Basin B2 consists of a portion of landscaping, roadway, and sidewalk. Runoff from this basin will be directed into design point B2 where it will be captured by inlet B2 and directed to the West Pond located in sub-basin C1 via storm drain system. Inlet B2 has been sized to accept the 5-year flow completely and will allow approximately 0.2 cfs to bypass onto inlet D1a in the 100-year event. This sub-basin has an area of 0.17 acres. The impervious value for this basin is 79%. The basin will generate runoff of 0.62 cfs and 1.20 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basin OB2, are 0.96 and 1.82 cfs, respectively.



Sub-Basin E2 consists of a portion of landscaping and roof area. Runoff from this basin will be captured by inlet E2 and directed to the West Pond located in sub-basin C1 via storm drain system. Inlet E2 has been adequately sized to convey anticipated onsite flows from this subbasin. This sub-basin has an area of 0.21 acres. The impervious value for this basin is 39%. The basin will generate runoff of 0.38 cfs and 0.98 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basin OE2, are 0.57 and 1.56 cfs, respectively.

Sub-Basin E3 consists of a portion of landscaping and roof area. Runoff from this basin will be captured by inlet E3 and directed to the West Pond located in sub-basin C1 via storm drain system. Inlet E3 has been adequately sized to convey anticipated onsite flows from this subbasin. This sub-basin has an area of 0.22 acres. The impervious value for this basin is 40%. The basin will generate runoff of 0.41 cfs and 1.04 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basin OE3, are 0.60 and 1.63 cfs, respectively.

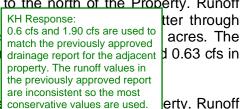
Sub-Basin E4 consists of a portion of landscaping and roof area. Runoff from this basin will be captured by inlet E4 and directed to the West Pond located in sub-basin C1 via storm drain system. Inlet E4 has been adequately sized to convey anticipated onsite flows from this subbasin. This sub-basin has an area of 0.18 acres. The impervious value for this basin is 46%. The basin will generate runoff of 0.38 cfs and 0.92 cfs in the minor and major storm event. Cumulative flows from this basin, including the flows from Sub-Basin OE4, are 0.53 and 1.34 cfs, respectively.

Sub-Basin OA1 consists of landscaping offsite to the north of the Property. Runoff from this basin will be directed into design point A1 and travels through Basin A1 to follow the historical drainage pattern by sheet flowing from north to south and eventually flowing to the existing gulch. This sub-basin has an area of 0.05 acres. The impervious value for this basin is 46%. The basin will generate runoff of 0.1 cfs and 0.24 cfs in the minor and major storm event.

Sub-Basin OA2 consists of landscaped area, sidewalks, and 1,870 square feet of asphalt roadway within Urban Collection at Palmer Village offsite to the west of the Property. Runoff from this basin will be directed to design point A1 and travels through Basin A1 to follow the historic drainage pattern by sheet flowing north to south and eventually flowing to the existing gulch. Runoff values for basin OA2 were obtained from the approved Final Drainage Report for Urban Collection at Palmer Village by JR Engineering dated April 2021. The Final Drainage Report states that basins B14, B15, and B16 total 0.45 acres and will generate runoff of 0.50 cfs and 1.60 cfs in the minor and major storm events. Design Points 28, 29, and 30 correspond to Does not match what is basins B14, B15, and B16 on the Final Drainage Report.

shown on Drainage Map

Sub-Basin OB1 consists of a portion Constitution Avenue to the north of the Property. Runoff from this basin will be directed into design point B1 and KH Response: Basin B1 to a curb inlet at design point B1. This sub-ba impervious value for this basin is 96%. The basin will gener the minor and major storm event.



ter through acres. The

Sub-Basin OB2 consists of a portion of Constitution Avenue conservative values are used. erty. Runoff from this basin will be directed into design point B2 and travels via curb and gutter through Basin B2 to a curb inlet at design point B2. This sub-basin has an area of 0.08 acres. The impervious value for this basin is 90%. The basin will generate runoff of 0.34 cfs and 0.62 cfs in the minor and major storm event.

Proposed R	Constitution - unoff Calculat hod Procedure)		ge Report		Desi	gn Storm	5 Year								
BA	ASIN INFORMATI	ON			DIRECT	RUNOFF		C	UMULATI	VE RUNOI	FF				
DESIGN	DRAIN	AREA	RUNOFF	T(c)	СхА	I	Q	T(c)	СхА	I	Q	NOTES			
POINT	BASIN	ac.	COEFF	min		in/hr	cfs	min		in/hr	cfs				
A1*	A1*	0.87	0.08	12.5	0.07	3.75	0.26				0.75	A1 + OA1 + OA2			
A2*	A2*	0.41	0.42	5.0	0.17	5.16	0.89								
B1	B1	0.13	0.76	5.0	0.10	5.16	0.51				0.86	B1 + OB1			
B2	B2	0.17	0.72	5.0	0.12	5.16	0.62				0.96	B2 + OB2			
B3*	B3*	0.35	0.77	5.0	0.26	5.16	1.36								
B4*	B4*	0.18	0.77	5.0	0.14	5.16	0.72								
B5*	B5*	0.03	0.69	5.0	0.02	5.16	0.11								
C1	C1	0.84	0.10	5.0	0.08	5.16	0.43				0.60	C1 + OC1			
C2	C2	0.26	0.66	5.0	0.17	5.16	0.89				0.97	C2 + OC2			
C3	C3	0.62	0.81	5.0	0.51	5.16	2.61								
D1	D1	0.58	0.87	5.0	0.51	5.16	2.61								
D1a	D1a	0.18	0.79	5.0	0.14	5.16	0.73								
D2	D2	1.08	0.79	5.0	0.86	5.16	4.42								
D3	D3	0.30	0.48	5.2	0.14	5.09	0.72								
D4	D4	0.30	0.48	5.2	0.14	5.09	0.73								
D5	D5	0.51	0.79	5.0	0.40	5.16	2.08							KH Response: Markups in blue are	
D6	D6	0.81	0.80	5.0	0.64	5.16	3.32								
D7	D7	0.39	0.75	5.0	0.30	5.16	1.53								
D8	D8	0.54	0.75	5.0	0.40	5.16	2.07							Kimley-Horn markup	os showing
D9	D9	0.43	0.72	5.0	0.31	5.16	1.58							what changed and c	
D10	D10	0.37	0.71	5.0	0.26	5.16	1.33							made to address oth	
D11	D11	0.50	0.79	5.0	0.39	5.16	2.03				0.00	D10 0D10		comments from the	county.
D12	D12 E1	0.66	0.29	5.0	0.19	5.16	0.99				0.99	D12 + OD12			
E1		0.18	0.40	5.0	0.07	5.16					0.49	E1 + OE1			
E2 E3	E2 E3	0.21	0.35	5.0 5.0	0.07	5.16 5.16	0.38				0.57	E2 + OE2 E3 + OE3	Update	ed to 0.6 cfs to	
E3 E4	E3 E4	0.22	0.36	5.0	0.08	5.16	0.41				0.60	E3 + OE3 E4 + OE4			
E4 0A1*	0A1*	0.18	0.40	6.8	0.07	4.71	0.38				0.55	E4 + UEa	match	pian	
0A1 0A2*^	OA1 0A2*^	0.05	0.45	0.0	0.02	4.71	0.10				0.50	Flows from previous F	DP.		
OA2 OB1	0A2 0B1	0.45	0.00	5.0	0.00	5.16	0.35				0.50	riows itoiti previous i	DK		
OB1 OB2	OB1 OB2	0.08	0.82	5.0	0.07	5.16	0.33								
062	002	0.08	0.82	5.0	0.07	5.16	0.34								
001	002	0.06	0.41	5.0	0.03	5.16	0.08								
OD12	OD12	0.00	0.27	5.5	0.02	5.02	0.00		<u> </u>						
0012 0E1	0012 0E1	0.09	0.00	5.0	0.00	5.16	0.01		<u> </u>						
OE2	OE2	0.14	0.27	5.0	0.02	5.16	0.19		1						
OE3	OE3	0.14	0.27	5.0	0.04	5.16	0.19		1						
OE4	OE4	0.09	0.30	5.0	0.03	5.16	0.14		1						
OE4 OF1	OF1	1.12	0.90	14.4	1.01	3.52	3.56		1						
OF2	OF2	0.42	0.08	8.1	0.03	4.45	0.15								
OS1*	OS1*	0.25	0.76	5.0	0.19	5.16	0.99								

Proposec (Rational N	n Constitution I Runoff Calcula Aethod Procedure)	ntions	ge Report	<u>.</u>	Des	ign Storm	100 Year						
E	ASIN INFORMATIC	DN		DIF	RECT RUNG	DFF			CUMULATI	VE RUNOF	F		
DESIGN	DRAIN	AREA	RUNOFF	T(c)	СхА	I	Q	T(c)	СхА	I	Q	NOTES	
POINT	BASIN	ac.	COEFF	min		in/hr	cfs	min		in/hr	cfs		
A1*	A1*	0.87	0.35	12.5	0.31	6.29	1.92				3.09	A1 + OA1 + OA2	
A2*	A2*	0.41	0.60	5.0	0.25	8.65	2.15						
B1	B1	0.13	0.85	5.0	0.11	8.65	0.97				1.60	B1 + OB1	
B2	B2	0.17	0.83	5.0	0.14	8.65	1.20				1.82	B2 + OB2	
B3*	B3*	0.35	0.86	5.0	0.30	8.65	2.57						
B4*	B4*	0.18	0.86	5.0	0.16	8.65	1.36						
B5*	B5*	0.03	0.80	5.0	0.02	8.65	0.21						
C1	C1	0.84	0.36	5.0	0.31	8.65	2.64				3.07	C1 + OC1	
C2	C2	0.26	0.78	5.0	0.20	8.65	1.76				2.01	C2 + OC2	
C3	C3	0.62	0.89	5.0	0.55	8.65	4.79						
D1	D1	0.58	0.93	5.0	0.55	8.65	4.72						
D1a	D1a	0.18	0.88	5.0	0.16	8.65	1.37						
D2	D2	1.08	0.88	5.0	0.94	8.65	8.17						
D3	D3	0.30	0.63	5.2	0.19	8.54	1.59						
D4	D4	0.30	0.63	5.2	0.19	8.54	1.63						
D5	D5	0.51	0.87	5.0	0.45	8.65	3.85						
D6	D6	0.81	0.88	5.0	0.71	8.65	6.11						KH Response:
D7	D7	0.39	0.84	5.0	0.33	8.65	2.88						Markups in blue are
D8	D8	0.54	0.84	5.0	0.45	8.65	3.92						Kimley-Horn markups showing
D9	D9	0.43	0.81	5.0	0.35	8.65	3.00						what changed and changes we
D10	D10	0.37	0.80	5.0	0.29	8.65	2.54						made to address other
D11	D11	0.50	0.87	5.0	0.44	8.65	3.78						comments from the county.
D12	D12	0.66	0.50	5.0	0.33	8.65	2.86				2.90	D12 + OD12	
E1	E1	0.18	0.58	5.0	0.10	8.65	0.88				1.27	E1 + OE1	
E2	E2	0.21	0.54	5.0	0.11	8.65	0.98				1.56	E2 + OE2 Update	d to 1.9
E3	E3	0.22	0.55	5.0	0.12	8.65	1.04				1.63		hatch plan
E4	E4	0.18	0.58	5.0	0.11	8.65	0.92				1.34	E4 + OE4 Cfs to m	laton plan
OA1*	OA1*	0.05	0.63	6.8	0.03	7.90	0.24					FL. C. FDD	
OA2*^	OA2*^	0.45	0.00	10.7	0.00	6.71	0.(0				1	Flows from previous FDR	-
OB1	OB1	0.08	0.94	5.0	0.07	8.65	0.63	ł		<u> </u>			-
OB2	OB2	0.08	0.90	5.0	0.07	8.65	0.62						-
001	001	0.08	0.59	5.0	0.05	8.65	0.42						-
002	002	0.06	0.49	5.0	0.03	8.65	0.25						_
OD12	OD12	0.01	0.35	5.5	0.01	8.43	0.04						-
OE1	OE1 OE2	0.09	0.49	5.0 5.0	0.05	8.65	0.39						4
OE2		0.14			0.07	8.65							4
OE3	OE3 OE4	0.14	0.49	5.0		8.65	0.59	ł		<u> </u>			-
OE4 OF1	OE4 OF1	0.09	0.51	5.0	0.05	8.65	0.41						-
OF1 OF2	OF1 OF2	1.12 0.42	0.96	14.4 8.1	1.08 0.15	5.90 7.46	6.36 1.09						-
0F2 0S1*	0F2 0S1*	0.42	0.35	8.1 5.0	0.15	7.46	1.09						-
031	031	0.25	0.85	0.C	0.22	0.05	1.87	I	I				

Citizen on Constitution Drainage Report El Paso County, CO

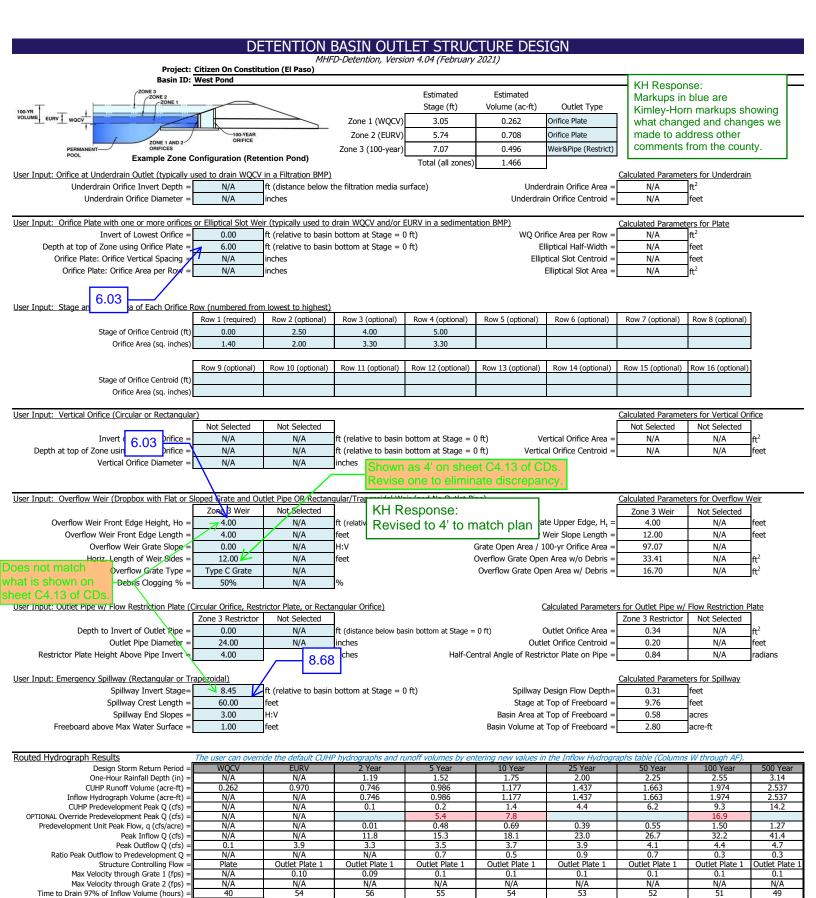
KH Response: Markups in blue are Kimley-Horn markups showing what changed and changes we made to address other comments from the county.

DESIGN BASIN BASIN AREA DIRECT 5-YR RUNOFF (CFS) RUNOFF (CFS) <th< th=""><th></th><th></th><th>SU</th><th>MMARY - PRO</th><th>POSED RUNO</th><th>FF TABLE</th><th></th></th<>			SU	MMARY - PRO	POSED RUNO	FF TABLE	
A1* A1* 0.87 0.26 1.92 0.75 3.09 A2* A2* 0.41 0.89 2.15 0.89 2.15 B1 B1 0.13 0.51 0.97 0.86 1.60 B2 B2 0.17 0.62 1.20 0.96 1.82 B3* B3* 0.35 1.36 2.57 1.36 0.257 B4* B4* 0.18 0.72 1.36 0.72 1.36 B5* B5* 0.03 0.11 0.21 0.11 0.21 C1 C1 0.84 0.43 2.64 0.60 3.07 C2 C2 0.26 0.89 1.76 0.97 2.01 C3 C3 0.62 2.61 4.72 2.61 4.72 D1 D1 0.58 2.61 4.72 2.61 4.72 D3 D3 0.30 0.72 1.59 0.73 1.37	DESIGN	BASIN	BASIN AREA	DIRECT 5-YR	DIRECT 100-YR	CUMULATIVE 5-YR	CUMULATIVE 100-YR
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	POINT	DESIGNATION	(ACRES)	RUNOFF (CFS)	RUNOFF (CFS)	RUNOFF (CFS)	RUNOFF (CFS)
B1 B1 0.13 0.51 0.97 0.86 1.60 B2 B2 0.17 0.62 1.20 0.96 1.82 B3* B3* 0.35 1.36 2.57 1.36 2.57 B4* B4* 0.18 0.72 1.36 0.72 1.36 C1 C1 0.84 0.43 2.64 0.60 3.07 C2 C2 0.26 0.89 1.76 0.97 2.01 C3 C3 0.62 2.61 4.72 2.61 4.72 D1 D1 0.58 2.61 4.72 2.61 4.72 D1a D1a 0.18 0.73 1.37 0.73 1.37 D3 D3 0.30 0.72 1.59 0.72 1.59 D4 D4 0.30 0.73 1.63 0.73 1.63 D5 0.51 2.08 3.85 2.08 3.85 2.08 3.85<	A1*	A1*	0.87	0.26	1.92	0.75	3.09
B2 B2 0.17 0.62 1.20 0.96 1.82 B3* B3* 0.35 1.36 2.57 1.36 2.57 B4* B4* 0.18 0.72 1.36 0.72 1.36 B5* B5* 0.03 0.11 0.21 0.11 0.21 C1 C1 0.84 0.43 2.64 0.60 3.07 C2 C2 0.26 0.89 1.76 0.97 2.01 C3 C3 0.62 2.61 4.72 2.61 4.72 D1 D1 0.58 2.61 4.72 2.61 4.72 D3 D3 0.30 0.72 1.59 0.72 1.59 D4 D4 0.30 0.73 1.63 0.73 1.63 D5 D5 0.51 2.08 3.85 2.08 3.85 D6 D6 0.81 3.32 6.11 3.32 6.11	A2*	A2*	0.41	0.89	2.15	0.89	2.15
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	B1	B1	0.13	0.51	0.97	0.86	1.60
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	B2	B2	0.17	0.62	1.20	0.96	1.82
$B5^*$ $B5^*$ 0.03 0.11 0.21 0.11 0.21 C1 C1 0.84 0.43 2.64 0.60 3.07 C2 C2 0.26 0.89 1.76 0.97 2.01 C3 C3 0.62 2.61 4.72 2.61 4.72 D1 D1 0.58 2.61 4.72 2.61 4.72 D2 D2 1.08 4.42 8.17 4.42 8.17 D3 D3 0.30 0.72 1.59 0.72 1.59 D4 D4 0.30 0.73 1.63 0.73 1.63 D5 0.51 2.08 3.85 2.08 3.85 D6 D6 0.81 3.32 6.11 3.32 6.11 D7 0.39 1.53 2.88 1.53 2.88 D8 D8 0.54 2.07 <	B3*	B3*	0.35	1.36	2.57	1.36	2.57
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	B4*	B4*	0.18	0.72	1.36	0.72	1.36
C2 C2 0.26 0.89 1.76 0.97 2.01 C3 C3 0.62 2.61 4.79 2.61 4.79 D1 D1 0.58 2.61 4.72 2.61 4.72 D1a D1a 0.18 0.73 1.37 0.73 1.37 D2 D2 1.08 4.42 8.17 4.42 8.17 D3 D3 0.30 0.72 1.59 0.72 1.59 D4 D4 0.30 0.73 1.63 0.73 1.63 D5 D5 0.51 2.08 3.85 2.08 3.85 D6 D6 0.81 3.32 6.11 3.32 6.11 D7 D7 0.39 1.53 2.88 1.53 2.88 D8 D8 0.54 2.07 3.92 2.07 3.92 D9 D9 0.43 1.58 3.00 1.58 3.00	B5*	B5*	0.03	0.11	0.21	0.11	0.21
C3 C3 0.62 2.61 4.79 2.61 4.79 D1 D1 0.58 2.61 4.72 2.61 4.72 D1a D1a 0.18 0.73 1.37 0.73 1.37 D2 D2 1.08 4.42 8.17 4.42 8.17 D3 D3 0.30 0.72 1.59 0.72 1.59 D4 D4 0.30 0.73 1.63 0.73 1.63 D5 D5 0.51 2.08 3.85 2.08 3.85 D6 D6 0.81 3.32 6.11 3.32 6.11 D7 D7 0.39 1.53 2.88 1.53 2.88 D8 D8 0.54 2.07 3.92 2.07 3.92 D9 D9 0.43 1.58 3.00 1.58 3.00 D10 D10 0.37 1.33 2.54 1.33 2.54	C1	C1	0.84	0.43	2.64	0.60	3.07
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	C2	C2	0.26	0.89	1.76	0.97	2.01
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	C3	C3	0.62	2.61	4.79	2.61	4.79
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	D1	D1	0.58	2.61	4.72	2.61	4.72
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	D1a	D1a	0.18	0.73	1.37	0.73	1.37
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	D2	D2	1.08	4.42	8.17	4.42	8.17
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D3	D3	0.30	0.72	1.59	0.72	1.59
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D4	D4	0.30	0.73	1.63	0.73	1.63
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D5	D5	0.51	2.08	3.85	2.08	3.85
D8 D8 0.54 2.07 3.92 2.07 3.92 D9 D9 0.43 1.58 3.00 1.58 3.00 D10 D10 0.37 1.33 2.54 1.33 2.54 D11 D11 0.50 2.03 3.78 2.03 3.78 D12 D12 0.66 0.99 2.86 0.99 2.90 E1 E1 0.18 0.37 0.88 0.49 1.27 E2 E2 0.21 0.38 0.98 0.57 1.56 E3 E3 0.22 0.41 0.60 1.63 1.90 1.34 OA1* OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17	D6	D6	0.81	3.32	6.11	3.32	6.11
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D7	D7	0.39	1.53	2.88	1.53	2.88
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D8	D8	0.54	2.07	3.92	2.07	3.92
D11 D11 0.50 2.03 3.78 2.03 3.78 D12 D12 0.66 0.99 2.86 0.99 2.90 E1 E1 0.18 0.37 0.88 0.49 1.27 E2 E2 0.21 0.38 0.98 0.57 1.56 E3 E3 0.22 0.41 0.60 1.90 1.34 OA1* OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.35 0.63 0.35 0.63 OB2 OB2 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17 0.42 OC2 OC2 0.06 0.08 0.25 0.08 0.25 OD12 OD12 0.01 0.01 0.04 0.01 0.04	D9	D9	0.43	1.58	3.00	1.58	3.00
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D10	D10	0.37	1.33		1.33	2.54
E1E10.180.370.880.491.27E2E20.210.380.980.571.56E3E30.220.410.601.901.63E4E40.180.380.601.901.34OA1*OA1*0.050.100.240.100.24OA2*^OA2*^0.450.000.000.501.60OB1OB10.080.350.630.350.63OB2OB20.080.340.620.340.62OC1OC10.080.170.420.170.42OC2OC20.060.080.250.080.25OD12OD120.010.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09	D11	D11	0.50	2.03	3.78	2.03	3.78
E2E2 0.21 0.38 0.98 0.57 1.56 E3E3 0.22 0.41 0.60 1.90 1.63 E4E4 0.18 0.38 0.60 1.90 1.34 OA1*OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1OB10.08 0.35 0.63 0.35 0.63 OB2OB2 0.08 0.34 0.62 0.34 0.62 OC1OC1 0.08 0.17 0.42 0.17 0.42 OC2OC2 0.06 0.08 0.25 0.08 0.25 OD12OD12 0.01 0.01 0.04 0.01 0.04 OE1OE1 0.14 0.19 0.58 0.19 0.58 OE3OE3 0.14 0.19 0.59 0.19 0.59 OE4OE4 0.09 0.14 0.41 0.14 0.41 OF1OF1 1.12 3.56 6.36 3.56 6.36	D12	D12	0.66	0.99	2.86	0.99	2.90
E3 E3 0.22 0.41 0.60 1.63 E4 E4 0.18 0.38 0.60 1.90 1.34 OA1* OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.35 0.63 0.35 0.63 OB2 OB2 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17 0.42 OC2 OC2 0.06 0.08 0.25 0.08 0.25 OD12 OD12 0.01 0.01 0.04 0.01 0.04 OE1 OE1 0.09 0.13 0.39 0.13 0.39 OE2 OE2 0.14 0.19 0.58 0.19 0.58 OE3 OE3 0.14 0.19 0.59 0.19 0.59	E1	E1	0.18	0.37	0.88	0.49	1.27
L3 L3 0.22 0.41 0.60 1.90 1.05 E4 E4 0.18 0.38 0.60 1.90 1.34 OA1* OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.35 0.63 0.35 0.63 OB2 OB2 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17 0.42 OC2 OC2 0.06 0.08 0.25 0.08 0.25 OD12 OD12 0.01 0.01 0.04 0.01 0.04 OE1 OE1 0.09 0.13 0.39 0.13 0.39 OE2 OE2 0.14 0.19 0.58 0.19 0.58 OE3 OE3 0.14 0.19 0.59 0.19 0.59 <td>E2</td> <td>E2</td> <td>0.21</td> <td>0.38</td> <td>0.98</td> <td>0.57</td> <td>1.56</td>	E2	E2	0.21	0.38	0.98	0.57	1.56
E4 E4 0.18 0.38 1.33 1.33 OA1* OA1* 0.05 0.10 0.24 0.10 0.24 OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.35 0.63 0.35 0.63 OB2 OB2 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17 0.42 OC2 OC2 0.06 0.08 0.25 0.08 0.25 OD12 OD12 0.01 0.01 0.04 0.01 0.04 OE1 OE1 0.09 0.13 0.39 0.13 0.39 OE2 OE2 0.14 0.19 0.58 0.19 0.58 OE3 OE3 0.14 0.19 0.59 0.19 0.59 OE4 OE4 0.09 0.14 0.41 0.14 0.41			0.22		0.60		1.63
OA2*^ OA2*^ 0.45 0.00 0.00 0.50 1.60 OB1 OB1 0.08 0.35 0.63 0.35 0.63 OB2 OB2 0.08 0.34 0.62 0.34 0.62 OC1 OC1 0.08 0.17 0.42 0.17 0.42 OC2 OC2 0.06 0.08 0.25 0.08 0.25 OD12 OD12 0.01 0.01 0.04 0.01 0.04 OE1 OE1 0.09 0.13 0.39 0.13 0.39 OE2 OE2 0.14 0.19 0.58 0.19 0.58 OE3 OE3 0.14 0.19 0.59 0.19 0.59 OE4 OE4 0.09 0.14 0.41 0.14 0.41 OF1 OF1 1.12 3.56 6.36 3.56 6.36 OF2 OF2 0.42 0.15 1.09 0.15 1.09 </td <td>E4</td> <td>E4</td> <td>0.18</td> <td>0.38</td> <td>0.00</td> <td>1.90</td> <td>1.34</td>	E4	E4	0.18	0.38	0.00	1.90	1.34
OB1OB10.080.350.630.350.63OB2OB20.080.340.620.340.62OC1OC10.080.170.420.170.42OC2OC20.060.080.250.080.25OD12OD120.010.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09	OA1*	OA1*	0.05	0.10	0.24		0.24
OB2OB20.080.340.620.340.62OC1OC10.080.170.420.170.42OC2OC20.060.080.250.080.25OD12OD120.010.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09	OA2*^	OA2*^	0.45	0.00	0.00	0 .50	1.60
OC1OC10.080.170.420.170.42OC2OC20.060.080.250.080.25OD12OD120.010.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09	OB1		0.08	0.35		0.35	0.63
OC2OC20.060.080.250.080.25OD12OD120.010.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09							
OD12OD120.010.040.010.04OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09							
OE1OE10.090.130.390.130.39OE2OE20.140.190.580.190.58OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09							
OE2 OE2 0.14 0.19 0.58 0.19 0.58 OE3 OE3 0.14 0.19 0.59 0.19 0.59 OE4 OE4 0.09 0.14 0.41 0.14 0.41 OF1 OF1 1.12 3.56 6.36 3.56 6.36 OF2 OF2 0.42 0.15 1.09 0.15 1.09							
OE3OE30.140.190.590.190.59OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09							
OE4OE40.090.140.410.140.41OF1OF11.123.566.363.566.36OF2OF20.420.151.090.151.09							
OF1 OF1 1.12 3.56 6.36 3.56 6.36 OF2 OF2 0.42 0.15 1.09 0.15 1.09							
OF2 OF2 0.42 0.15 1.09 0.15 1.09							
OS1* OS1* 0.25 0.99 1.87 0.99 1.87							
*flows from sub-basin are undetained				0.99	1.87	0.99	1.87

*flows from sub-basin are undetained

^sub-basin area and flows were obtained from previously approved drainage report from adjacent property

		D	ETENTI	ON BAS	SIN STAGE-S	TORAC	SE TABI	LE <u>BUI</u> I	DER.		KH R	esponse):	
DETENTION BASIN STAGE-STORAGE TABLE BUILDER MHFD-Detention, Version 4.04 (February 2021)									Marku	Ips in bl	ue are	·		
Project: Citizen On Constitution (El Paso) Basin ID: West Pond												s showing anges we		
							CA.	25.07				to addr		
						\square	04	25.07		0.33	comm	ents fro	m the c	ounty.
± ± +		100-YE ORIFIC	AR		Depth Increment =		ft	7		0.33		arked u		
PERMANENT ZONE POOL Example Zone					Stage - Storage	Stage	Optional Override	Length	Widt	0.43		pool ele so it's e		on this
Watershed Information	ga anol				Description Top of Micropool	(ft)	Stage (ft)	(ft)	(ft)			so it's ea		ation
Selected BMP Type =	EDB	1			6425.4	-	0.00			0.53	stage			
Watershed Area =	11.25	acres			6425.5		0.20	<u></u>	L	/	51	0.001	4	0.000
Watershed Length = Watershed Length to Centroid =	1,200 600	ft ft			6245.6 6425.7		0.30			etc.,	105 216	0.002	12 28	0.000 0.001
Watershed Slope =	0.020	ft/ft			6425.8		0.50			etc.	306	0.007	54	0.001
Watershed Imperviousness = Percentage Hydrologic Soil Group A =	71.00% 66.5%	percent percent			6425.9 6426		0.60				366 443	0.008	88 129	0.002
Percentage Hydrologic Soil Group B =	33.5%	percent			6426.1 6426.2		0.80				581 794	0.013	180 249	0.004 0.006
Percentage Hydrologic Soil Groups C/D = Target WQCV Drain Time =		percent hours			6426.2 6426.3		1.00				1,075	0.018	342	0.008
Location for 1-hr Rainfall Depths =		oinfa"			6426.4 6426.5		1.10 1.20				1,409 1,874	0.032 0.043	466 630	0.011 0.014
After providing required inputs above inc depths, click 'Run CUHP' to generate run	off hydrographs	s using			6426.6		1.30				2,385	0.055	843	0.019
the embedded Colorado Urban Hydro Water Quality Capture Volume (WQCV) =	5.1	re. acre-feet	Optional User	Overrides acre-feet	6426.7 6426.8		1.40 1.50				2,845 3,303	0.065	1,105 1,412	0.025
Excess Urban Runoff Volume (EURV) =	0.970	acre-feet		acre-feet	6426.9		1.60				3,778	0.087	1,766	0.041
2-yr Runoff Volume (P1 = 1.19 in.) = 5-yr Runoff Volume (P1 = 1.52 in.) =	0.746	acre-feet acre-feet	1.19	inches inches	6427 6427.1		1.70 1.80				4,309 4,843	0.099	2,170 2,628	0.050 0.060
10-yr Runoff Volume (P1 = 1.75 in.) =	1.177	acre-feet	1.75	inches	6427.2		1.90				5,343	0.123	3,137	0.072
25-yr Runoff Volume (P1 = 2 in.) = 50-yr Runoff Volume (P1 = 2.25 in.) =	1.437	acre-feet acre-feet	2.00	inches inches	6427.3 6427.4		2.00				5,842 6,190	0.134	3,697 4,298	0.085
100-yr Runoff Volume (P1 = 2.55 in.) =	1.974	acre-feet	2.55	inches	6427.5		2.20				6,514	0.150	4,933	0.113
500-yr Runoff Volume (P1 = 3.14 in.) = Approximate 2-yr Detention Volume =		acre-feet acre-feet		inches	6427.6 6427.7		2.30 2.40				6,828 7,114	0.157 0.163	5,601 6,298	0.129 0.145
Approximate 5-yr Detention Volume =	0.894	acre-feet			6427.8		2.50				7,380	0.169	7,022	0.161
Approximate 10-yr Detention Volume = Approximate 25-yr Detention Volume =	1.077 1.241	acre-feet acre-feet			6427.9 6428		2.60 2.70				7,628 7,861	0.175 0.180	7,773 8,547	0.178 0.196
Approximate 50-yr Detention Volume =	1.339	acre-feet			6428.1		2.80				8,064	0.185	9,343	0.214
Approximate 100-yr Detention Volume =	1.466	acre-feet			6428.2 6428.3		2.90 3.00				8,268 8,472	0.190 0.194	10,160 10,997	0.233 0.252
Define Zones and Basin Geometry		т.			6428.4		3.10				8,677	0.199	11,854	0.272
Zone 1 Volume (WQCV) = Zone 2 Volume (EURV - Zone 1) =	0.262	acre-feet acre-feet			6428.5 6428.6		3.20 3.30		++		8,883 9,090	0.204 0.209	12,732 13,631	0.292 0.313
Zone 3 Volume (100-year - Zones 1 & 2) =	0.496	acre-feet			6428.7		3.40		F		9,298	0.213	14,550	0.334
Total Detention Basin Volume = Initial Surcharge Volume (ISV) =	1.466 user	acre-feet ft ³			6428.8 6428.9		3.50 3.60		-		9,507 9,720	0.218 0.223	15,491 16,452	0.356 0.378
Initial Surcharge Depth (ISD) =	user	ft			6429		3.70		-		9,934	0.228	17,435	0.400
Total Available Detention Depth $(H_{total}) =$ Depth of Trickle Channel $(H_{TC}) =$	user user	ft ft			6429.1 6429.2		3.80 3.90				10,149 10,364	0.233 0.238	18,439 19,464	0.423 0.447
Slope of Trickle Channel (S _{TC}) =	user	ft/ft			6429.3		4.00		-		10,582	0.243	20,512	0.471
Slopes of Main Basin Sides (S_{main}) = Basin Length-to-Width Ratio ($R_{L/W}$) =		H:V			6429.4 6429.5		4.10 4.20				10,812 11,033	0.248	21,581 22,674	0.495 0.521
	r				6429.6		4.30				11,255	0.258	23,788	0.546
Initial Surcharge Area (A_{ISV}) = Surcharge Volume Length (L_{ISV}) =	user user	ft ⁴			6429.7 6429.8		4.40 4.50				11,478 11,703	0.264 0.269	24,925 26,084	0.572 0.599
Surcharge Volume Width (W _{ISV}) =		ft e			6429.9		4.60		-		11,928	0.274	27,265	0.626
Depth of Basin Floor (H_{FLOOR}) = Length of Basin Floor (L_{FLOOR}) =	user user	ft			6430 6430.1		4.70 4.80				12,155	0.279	28,469 29,696	0.654 0.682
Width of Basin Floor (W _{FLOOR}) = Area of Basin Floor (A _{FLOOR}) =	user user	ft ft ²			6430.2 6430.3		4.90 5.00				12,610 12,841	0.289	30,946 32,218	0.710
Volume of Basin Floor (V _{FLOOR}) =	user	π- ft ³			6430.4	-	5.10				13,075	0.295	32,218 33,514	0.769
Depth of Main Basin (H_{MAIN}) = Length of Main Basin (L_{MAIN}) =		ft ft			6430.5 6430.6		5.20 5.30				13,309 13,545	0.306	34,834 36,176	0.800
Width of Main Basin (W_{MAIN}) =	user	ft			6430.6	-	5.30				13,545	0.311	36,176 37,543	0.830
Area of Main Basin (A _{MAIN}) = Volume of Main Basin (V _{MAIN}) =		ft ² ft ³			6430.8 6430.9		5.50 5.60				14,019 14,258	0.322 0.327	38,933 40,346	0.894 0.926
Volume of Main Basin (V _{MAIN}) = Calculated Total Basin Volume (V _{total}) =		ft ³ acre-feet			6431		5.70				14,497	0.333	41,784	0.959
					6431.1 6431.2		5.80 5.90				14,739 14,981	0.338	43,246 44,732	0.993 1.027
					6431.3 6431.4		6.00 6.10				15,225 15,470	0.350	46,242 47,777	1.062 1.097
					6431.5 6431.6		6.20 6.30				15,716 15,963	0.361	49,336 50,920	1.133 1.169
					6431.7 6431.8		6.40 6.50				16,212 16,461	0.372	52,529 54,163	1.206 1.243
					6431.9 6432		6.60 6.70				16,712 16,964	0.384	55,821 57,505	1.281 1.320
					6432.1 6432.2		6.80 6.90				17,219 17,474	0.395	59,214 60,949	1.359 1.399
					6432.3 6432.4		7.00 7.10 7.20	ļ.			17,729 17,985	0.407	62,709 64,495	1.440 1.481
					6432.5 6432.6		7.20 7.30 7.40				18,242 18,499	0.419 0.425	66,306 68,143	1.522 1.564
					6432.7 6432.8 6432.9	-	7.40 7.50 7.60				18,757 19,018	0.431 0.437 0.442	70,006 71,895	1.607 1.650
					6432.9 6433 6433 1	-	7.60 7.70 7.90				19,281 19,545	0.443	73,810 75,751 77,710	1.694 1.739 1.784
					6433.1 6433.2 6433.3	-	7.80 7.90 8.00				19,811 20,079 20,348	0.455 0.461	77,719 79,713 81 734	1.784 1.830 1.876
					6433.3 6433.4 6423.5	-	8.00 8.10 8.20				20,348 20,618	0.467	81,734 83,783	1.876 1.923
					6433.5 6433.6 6433.7		8.20 8.30 8.40				20,892 21,167 21,446	0.480	85,858 87,961 90,092	1.971 2.019 2.068
					6433.7 6433.8 6433.9		8.40 8.50 8.60				21,446 21,727 22,010	0.492 0.499 0.505	90,092 92,251 94,437	2.068 2.118 2.168
					6433.9 6434 6434.1		8.70				22,010 22,296 22,584	0.512	94,437 96,653 98,897	2.219
					6434.1 6434.2 6434.3	-	8.80 8.90 9.00				22,584 22,876 23,172	0.518 0.525 0.532	98,897 101,170 103,472	2.270 2.323 2.375
					6434.3 6434.4 6434.5		9.00 9.10 9.20				23,172 23,472 23,775	0.532 0.539 0.546	103,472 105,804 108,167	2.429 2.483
					6434.5 6434.6 6434.7		9.20 9.30 9.40				24,082 24,396	0.546	108,187 110,560 112,984	2.538 2.594
					6434.8 6434.9	-	9.50				24,716 25,044	0.567 0.575	112,904 115,439 117,927	2.650 2.707
					6435 6435.1		9.70 9.80				25,384 25,384	0.583	120,449	2.765 2.823
EI Paso MHFD-Detention_v4 04.xlsm, Basin										-				9/2022, 9:13 PM



Time to Drain 99% of Inflow Volume (hours)

Area at Maximum Ponding Depth (acres)

Maximum Ponding Depth (ft) =

Maximum Volume Stored (acre-ft)

42

3.05

0.20

0.26

58

5.74

0.34

0.973

59

4.18

0.25

0.513

59

4.62

0.27

0.63

59

5.06

0.30

0.754

59

5.85

0.34

1.006

59

6.3

0.37

1.184

59

7.10

0.41

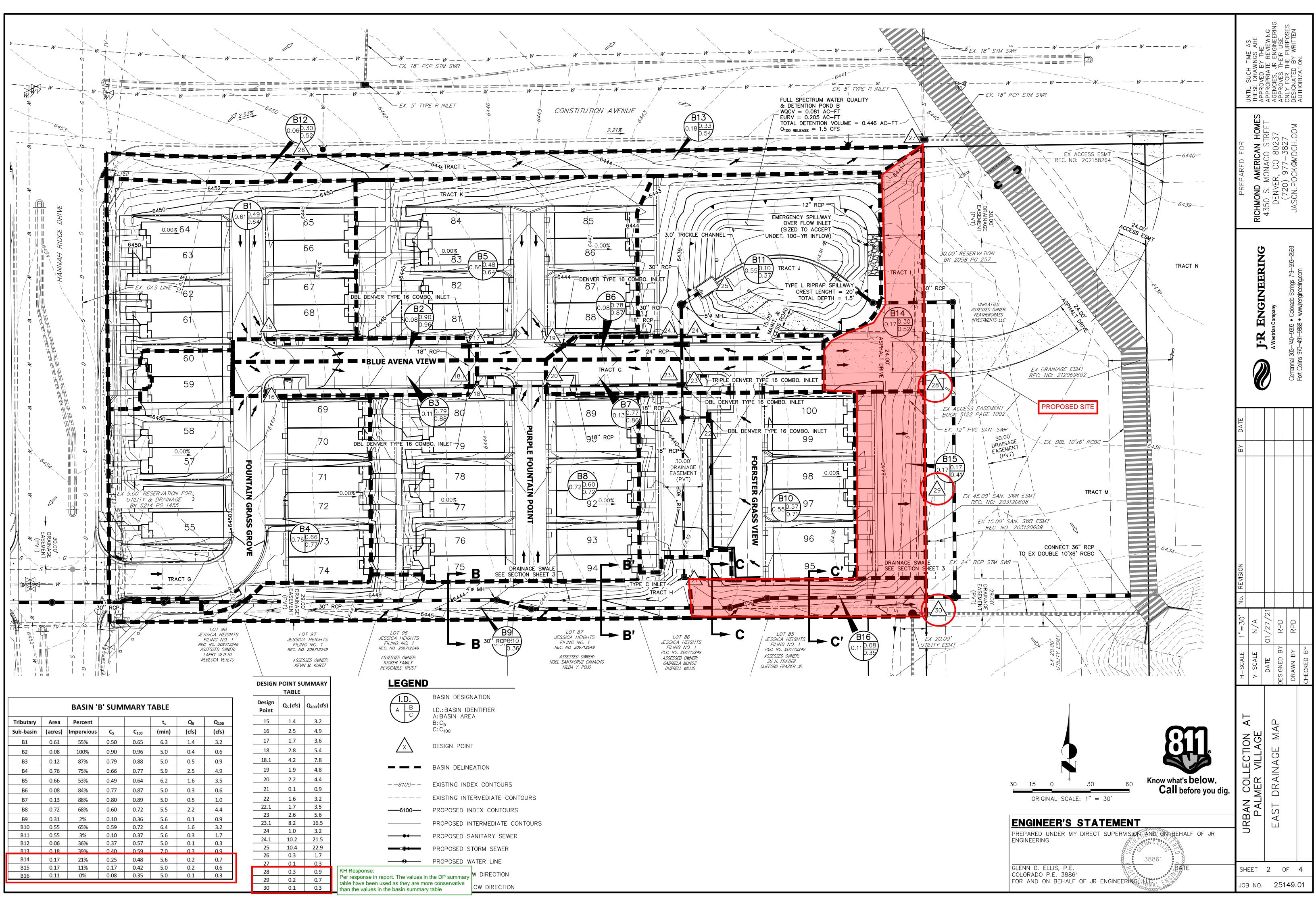
1.481

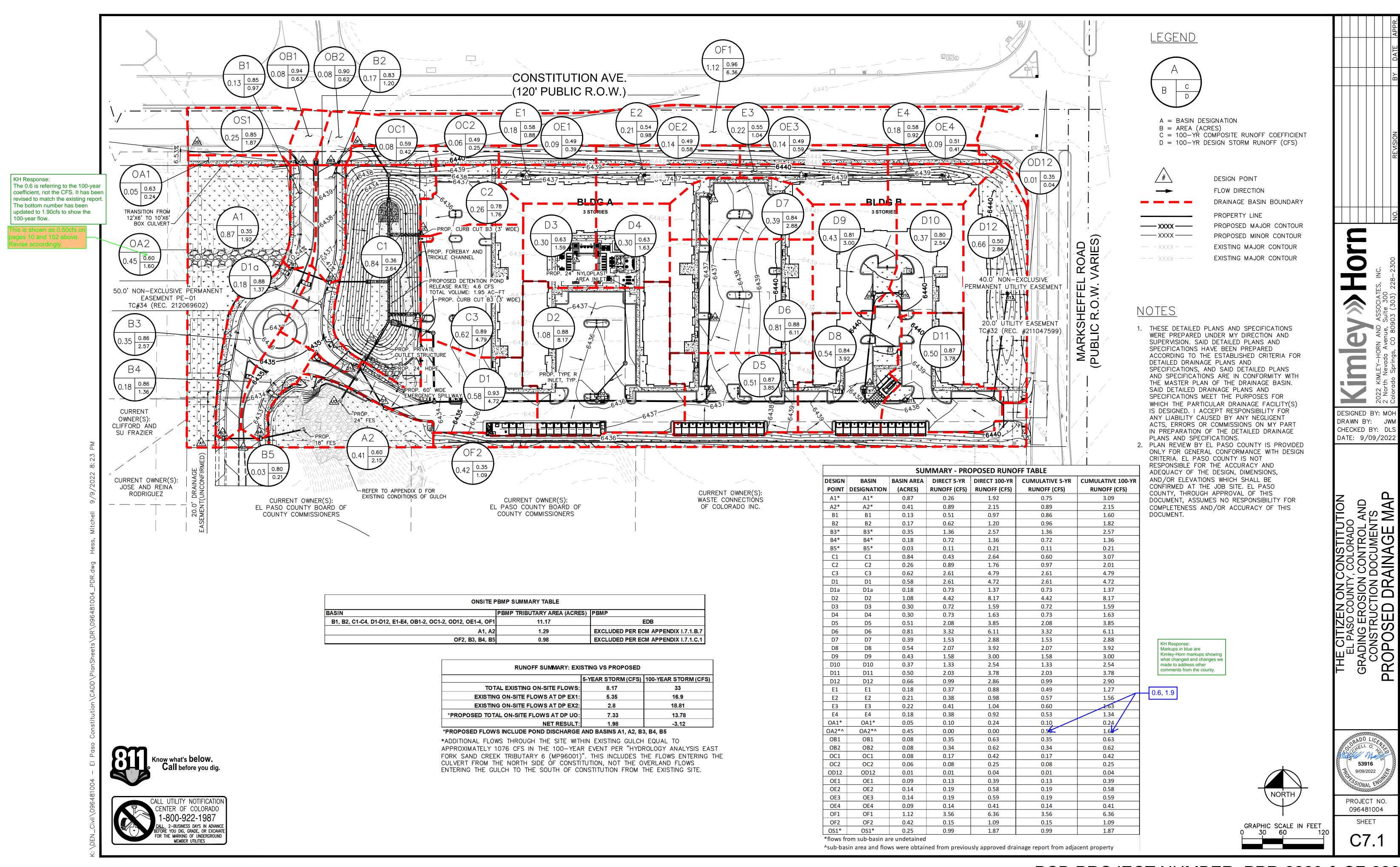
59

8.18

0.48

1.95





P SUMMARY TABLE	
IP TRIBUTARY AREA (ACRES)	PBMP
11.17	EDB
1.29	EXCLUDED PER ECM APPENDIX I.7.1.B.7
0.98	EXCLUDED PER ECM APPENDIX I.7.1.C.1

RUNOFF SUMMARY: EXISTING VS PROPOSED						
	5-YEAR STORM (CFS)	100-YEAR STORM (CFS)				
EXISTING ON-SITE FLOWS:	8.17	33				
N-SITE FLOWS AT DP EX1:	5.35	16.9				
N-SITE FLOWS AT DP EX2:	2.8	18.81				
ON-SITE FLOWS AT DP UO:	7.33	13.78				
NET RESULT:	1.98	-3.12				

	I	SU	MMARY - PRO	POSED RUNC)
DESIGN	BASIN	BASIN AREA	DIRECT 5-YR	DIRECT 100-YR	
POINT	DESIGNATION	(ACRES)	RUNOFF (CFS)	RUNOFF (CFS)	
A1*	A1*	0.87	0.26	1.92	
A2*	A2*	0.41	0.89	2.15	
B1	B1	0.13	0.51	0.97	
B2	B2	0.17	0.62	1.20	
B3*	B3*	0.35	1.36	2.57	
B4*	B4*	0.18	0.72	1.36	
B5*	B5*	0.03	0.11	0.21	
C1	C1	0.84	0.43	2.64	
C2	C2	0.26	0.89	1.76	
C3	C3	0.62	2.61	4.79	L
D1	D1	0.58	2.61	4.72	
D1a	D1a	0.18	0.73	1.37	
D2	D2	1.08	4.42	8.17	
D3	D3	0.30	0.72	1.59	
D4	D4	0.30	0.73	1.63	
D5	D5	0.51	2.08	3.85	
D6	D6	0.81	3.32	6.11	
D7	D7	0.39	1.53	2.88	
D8	D8	0.54	2.07	3.92	
D9	D9	0.43	1.58	3.00	
D10	D10	0.37	1.33	2.54	
D11	D11	0.50	2.03	3.78	
D12	D12	0.66	0.99	2.86	
E1	E1	0.18	0.37	0.88	
E2	E2	0.21	0.38	0.98	
E3	E3	0.22	0.41	1.04	
E4	E4	0.18	0.38	0.92	
OA1 *	OA1*	0.05	0.10	0.24	
OA2*^	OA2*^	0.45	0.00	0.00	
OB1	OB1	0.08	0.35	0.63	
OB2	OB2	0.08	0.34	0.62	
OC1	OC1	0.08	0.17	0.42	
OC2	OC2	0.06	0.08	0.25	
OD12	OD12	0.01	0.01	0.04	
OE1	OE1	0.09	0.13	0.39	
OE2	OE2	0.14	0.19	0.58	ſ
OE3	OE3	0.14	0.19	0.59	ĺ
OE4	OE4	0.09	0.14	0.41	ſ
OF1	OF1	1.12	3.56	6.36	
OF2	OF2	0.42	0.15	1.09	
OS1*	OS1*	0.25	0.99	1.87	ſ

PCD PROJECT NUMBER: PPR-2229 & SF-226

AKERS DR. CD'S – TRAFFIC STUDY COMMENT RESPONSE

Daniel Torres

From:	Hess, Mitchell < Mitchell.Hess@kimley-horn.com>
Sent:	Tuesday, August 16, 2022 3:53 PM
То:	Daniel Torres
Cc:	Menke, Joseph
Subject:	RE: Citizen on Constitution - SDP and Traffic Study

CAUTION: This email originated from outside the El Paso County technology network. Do not click links or open attachments unless you recognize the sender and know the content is safe. Please call IT Customer Support at 520-6355 if you are unsure of the integrity of this message.

Thank you for your email Dan. The traffic study is for both the Final Plat and the SDP. Can we just have it approved with the Final Plat and removed from the SDP submittal? It doesn't make sense to have it re-reviewed for the same project.

Thank you for reminding me of the left-turn comment. We will have that adjusted in the Traffic Report.

Mitchell Hess, P.E. (CO & WY) Kimley-Horn | 2 N Nevada Ave., Suite 300, Colorado Springs, CO 80903 Direct: 719 284 7281 | www.kimley-horn.com

From: Daniel Torres <DanielTorres@elpasoco.com>
Sent: Tuesday, August 16, 2022 3:18 PM
To: Hess, Mitchell <Mitchell.Hess@kimley-horn.com>
Cc: Menke, Joseph <Joseph.Menke@kimley-horn.com>
Subject: RE: Citizen on Constitution - SDP and Traffic Study

HI Mitchell,

As the final plat is further ahead than the PPR project I believe that comment was intended for you to look at the final plat project for any comments that I may have had.

Regarding the traffic study, I believe that the traffic study needs to be amended due to the changes to the roundabout. In our previous meeting I indicated that the north bound left turn recommendations at Akers/Constitution did not match what was proposed on the CD's. Please be sure that this is updated so that they are consistent with each other. If amending the previous traffic study submitted (from the rezone project, P218), then please revise the title on the cover page to reflect that. Also, a separate traffic memo may be submitted identifying the changes made to the original study.

Respectfully,



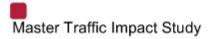
Daniel Torres Engineer III Planning & Community Development 719.520.6305 (Office) | 719.208.6783 (Cell) https://planningdevelopment.elpasoco.com/ From: Hess, Mitchell <<u>Mitchell.Hess@kimley-horn.com</u>> Sent: Monday, August 15, 2022 5:03 PM To: Daniel Torres <<u>DanielTorres@elpasoco.com</u>> Cc: Menke, Joseph <<u>Joseph.Menke@kimley-horn.com</u>> Subject: Citizen on Constitution - SDP and Traffic Study

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Good afternoon Daniel.

I hope your day has been going well. We received the following comment (see screenshot below) on the traffic study for Citizen on Constitution on the SDP Portion of the Project. All of the traffic comments (outside of deviations submitted with the plat) where addressed in April as part of the Final Plat Submittal. Can you please confirm what comment may be outstanding on the Traffic Study? I could not find any outstanding comments on my end.

Thank you for your time.



Se comment on the final plat application (SF226) regarding the traffic study

KH Response: Per coordination with staff, the revised report cover sheet was updated to identify that is is an amendment to the Master Traffic Impact Study.

Citizen on Constitution El Paso County, Colorado

PCD File No. P218

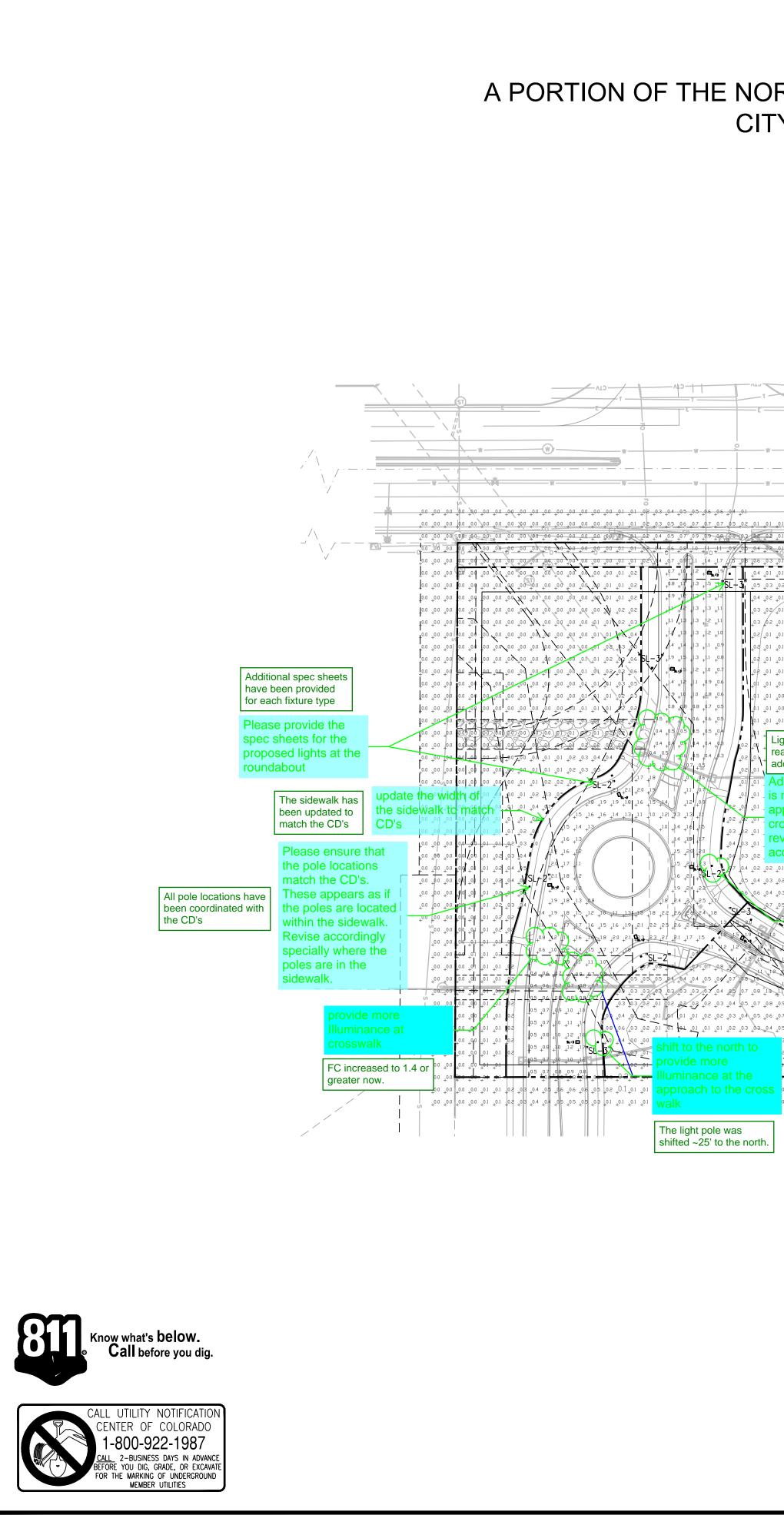
Prepared for: The Garrett Companies, Inc.

Kimley »Horn

Mitchell Hess, P.E. (CO & WY) Kimley-Horn | 2 N Nevada Ave., Suite 300, Colorado Springs, CO 80903 Direct: 719 284 7281 | www.kimley-horn.com

Celebrating 15 years as one of FORTUNE's 100 Best Companies to Work For

PHOTOMETRIC PLAN – PCD ENGINEERING COMMENT RESPONSE



THE CITIZEN ON CONSTITUTION SITE DEVELOPMENT PLAN A PORTION OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH P.M.,

CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

BLDG A 66 🏵 2.2.6 ROUNDABOUTS Light poles have been When to Light rearranged to provide Lighting should be considered at all roundabouts with pedestrian usage and adjace additional luminance electrical service. See ANSI/IES RP-8-18 Chapter 12 for additional roundabout design informatio See Section 2.2.9 for information about lighting crosswalks. Lighting Criteria Lighting levels will be considered as meeting the criteria if the calculated values are within ter percent (10%) of the criteria or do not exceed the criteria by more than two times (2x). e the light pol Average Illuminance with Average Illuminance with ecting Roads minimal pedestrian activity anticipated pedestrian activity (avg:mi Major/Major Major/Collector 1.4 2.0 1.2 Major/Local Collector/Collector 1.1 1.7 lector/Loca 0.9 The light pole was Local/Local 0.7 1.3 shifted ~40' to the north. **Best Practices** 1.0 1.1 1.8

0.9 1.0 1.7 1.1 +0.1 +0.2 +0.3 +0.3 +0.4 +0.5 +0.6 +0.6 +0.7 \0.7 +0.8 +0.8 +0.8 +0.8 +0.8 +0.9 1.3 +1 ¹ +0.4 +0.4 +0.5 +0.5 +0.6 +0.6 +0.6 +0.7 +0.7 +0.8

> 0 +0.0 +0.1 +0.1 +0.1 +0.1 +0.1 +0.2 +0.2 +0.2 +0.1 +()\

- Light standards should not be located in the center of the roundabout.
- · Locate light standards on the approach side of each entry such that the maximum amount vertical light falls on vehicles entering the roundabout and on crosswalks when present. Approach lighting should be considered for a minimum of 400 feet in front of the roundabout

 Light standards should be located at least 4 feet (6 feet is preferred) away from the front edg. of the curb to minimize the chance of the pole being struck by a vehicle. Special Considerations

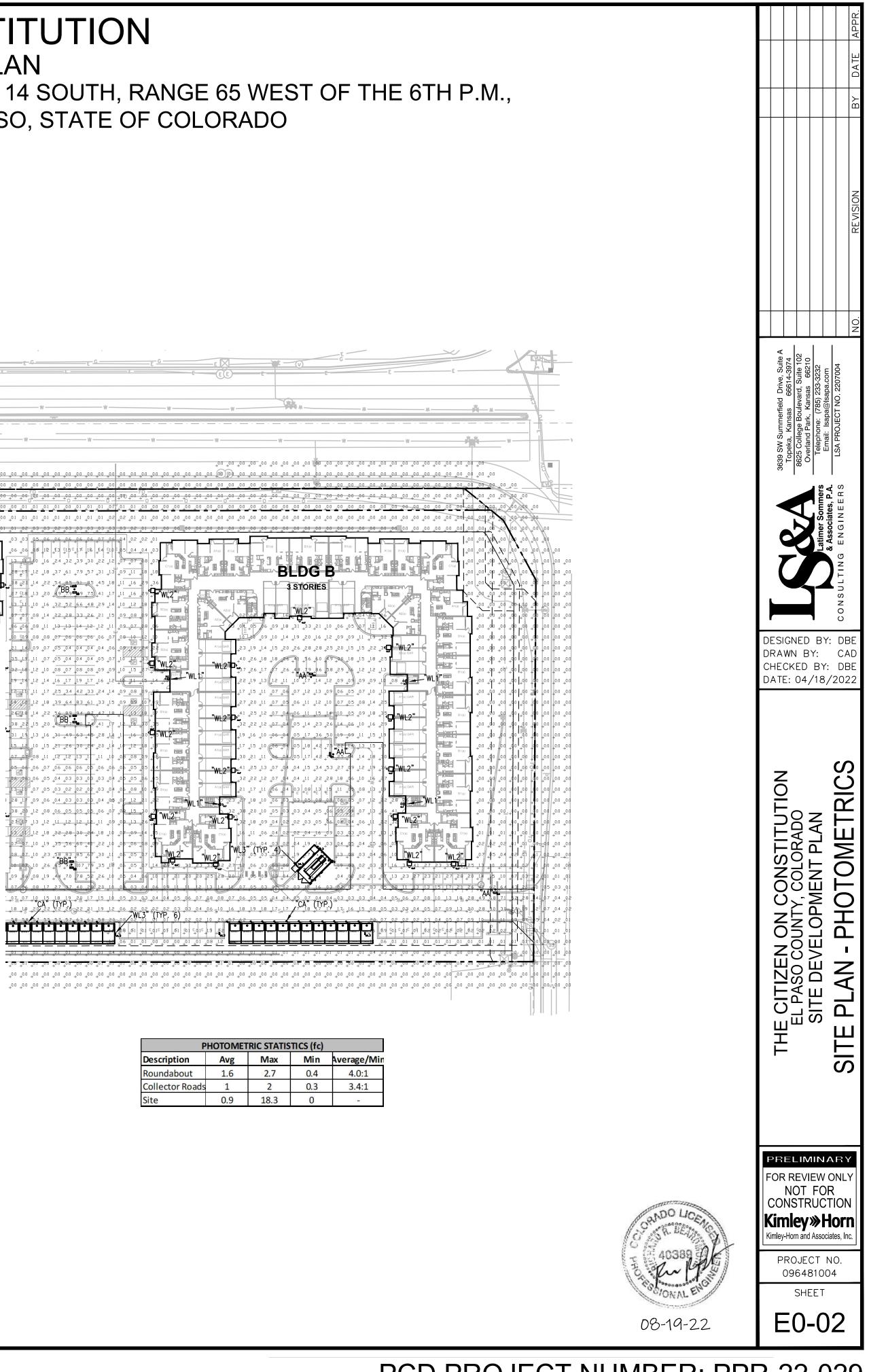
• Lighted features in the center of the roundabout may increase the ambient brightness. Care must be given to not cause glare for any of the motorists.





P	HOTOMET
Description	Avg
Roundabout	1.6
Collector Roads	1
Site	0.9

IN I	+0.3 +0.3 +0.5 0	.6 +0.6 +0.6 +0.6 +0.6	+	0.2 +0.2 +0.1	R	
<u>ال</u>		2 + ^{f.3} ^{f.15} ^{f.1,7} + ^{1.6}			l	A1(a) A1(a)
C1(a)		6 + 2.4 + 3.2 + 3.9 + 3.0			C1(a)	
l — H	+2.8 +1.7 +1.2 +1.	.8 + ^{3.7} + ^{6.1} + ^{7.9} + ^{5.7}	7 +3.1 +1.3 +0.9 +	1.1 +1.8 +1.8		
L2"	+ ^{3.8} + ^{2.1} + ^{1.4} + ²		5 +4.5 +1.8 +1.1 +			
		.0 + (9BB/9 7.5			/4,2" 🔒 🛓	
B2(a)		6 + 3.2 + 5.2 + 6.6 + 4.8		B2		
-7		4 +2.2 +2.8 +3.3 +2.6				A2(a) 0.2
020		.1 +1.3 +1.3 +1.4 +1.2	147			▝▖▔╱╯ͱ⋐
020	(1)	.8 +0.7 +0.6 +0.6 +0.6			_'LFQ	1.0
		.7 +0.5 +0.4 +0.4 +0.4	_ ///			A1(a) GAR +2.3
		.7 +0.5 +0.4 +0.4 +0.4		17 + ^{3:3}	L2"	"WL2"D*+4.0
		0 +0.8 +0.7 +0.8 +0.8	- 6		- WI - WI -	
ent		4 +1.6 +1.7 +1.9 +1.7		1.1 <u>+15 +1.4 +</u> 1		7 A1(a) GAR +2.2
	+1.2 +1.1 +1.1 +1.		3_+ ^{2.4} + ^{1.4} + ^{0.9} _+			A1(a) GAR +1.7
	14 <u>12</u> + ^{1.2} + ^{1.1}		-+3.3 +1.5 +0.9			+2.7
	-+2.6 1.8 +1.4 +2	² +56 89 94 8 (BB".	<u></u>			"WL2"P**
	+3.8 +2.2 +1.5 +2			· · · · · · · · · · · · · · · · · · ·		+3.2
en		.6 + ^{3.1} + ^{4.9} + ^{6.3} + ⁴		- T		7 A1(a) GAR +1.9
		5 + ^{2.1} + ^{2.6} + ^{3.0} + ²		1.2 +1.8 +1 ³ B1	a 🖬 🖬 🚺	A1(a) GAR +1.7
		1 + ^{1.2} + ^{1.2} + ^{1.3} + ^{1.}	+ ^{1.1} + ^{1.0} + ^{0.8} +			
' I		.7 + ^{0.6} + ^{0.6} + ^{0.6} + ^{0.6}				"WL2"D**
		.5 +0.4 +0.3 +0.3 +0.3 .5 +0.3 +0.2 +0.2 +0.5		0.8 +1.0 +0.9 B1		A1(a) GAR +0.2
	2.8 +1.7 +0.9 +0.				WL1	+
	+ ^{2.0} + ^{1.0} + ^{0.1} + ^{0.1} + ^{0.1}					32 38
	2.7 1.7 1.3 1.			1.3 2.6 4	VL2"	WL2"
		+ + + + + 8 _2.2 _2.8 _3.0 _2/		0,9 1,4 +15 _{C1(2}		
	100 million (100 m	.9 ₊ 3.5 ₊ 5.6 ₊ 6.0 ₊ 41		0.6 _ 0.8 _ 0.9 _		
		.3 +5.8 +8.3 +8.5 +6.		0.5 +0.7 +1 <u>P</u>	"WL2"	"WL2"
	1.0 _0.7 _+1.0 _+2	KKe		0.5 +0.7 +1.4	29 ↓ +0 <u>↓</u> 3.0 <u>↓</u> 2.3	
	0.9 0.6 0.8 1.		2 + 2.6 + 1.0 + 0.5 +			
	0.7 06 0.8 1.				0.9 1.1 1.1 1.2	1.3 1.4 1.1 0.7
	0.7 0.7 1.0 1.	5 1.8 1.9 2.0 1.7	1.5 1.0 0.5	0.3 0.3 0.4 0	0.4 0.5 0.6 0.7	0.8 0.8 0.7 0.6
of	1.8 1.8 2.0 2	(IYP.)	1.9 1.2 0.6	0.2 0.2 0.2 0	0.2 0.3 0.3 0.4	0.6 1.0 1.6 1.8
of	5858575	<u>.5 5.7 5.7 6.3 6.3</u>	5.8 2.0 0.8	" <u>WL3" (</u> TYP	P. 6) 0.1 0.1 0.2 0.2	2 1.0 2.0 5.7 6.2
ut				61 0.1 0.1 0.1 0 0	0.\$ _61 _0.1 _0.1	° 1.9 22
ge				0.1 +0.1 +0.0 +0	0.0 +0.0 +0.1 +0.1	+ ^{0.8} + ^{1.2}
30	+0.1 +0.1 +0.1 +0.	.1 +0.1 +0.1 +0.1 +0.1	+0.1 +0.4 +0.3 +	0.1 +0.0 +0.0 +0	0.0 <u>0.0 0.0 0</u> .0	+ + + + +



PCD PROJECT NUMBER: PPR-22-029

LANDSCAPE PLAN – PCD ENGINEERING COMMENT RESPONSE

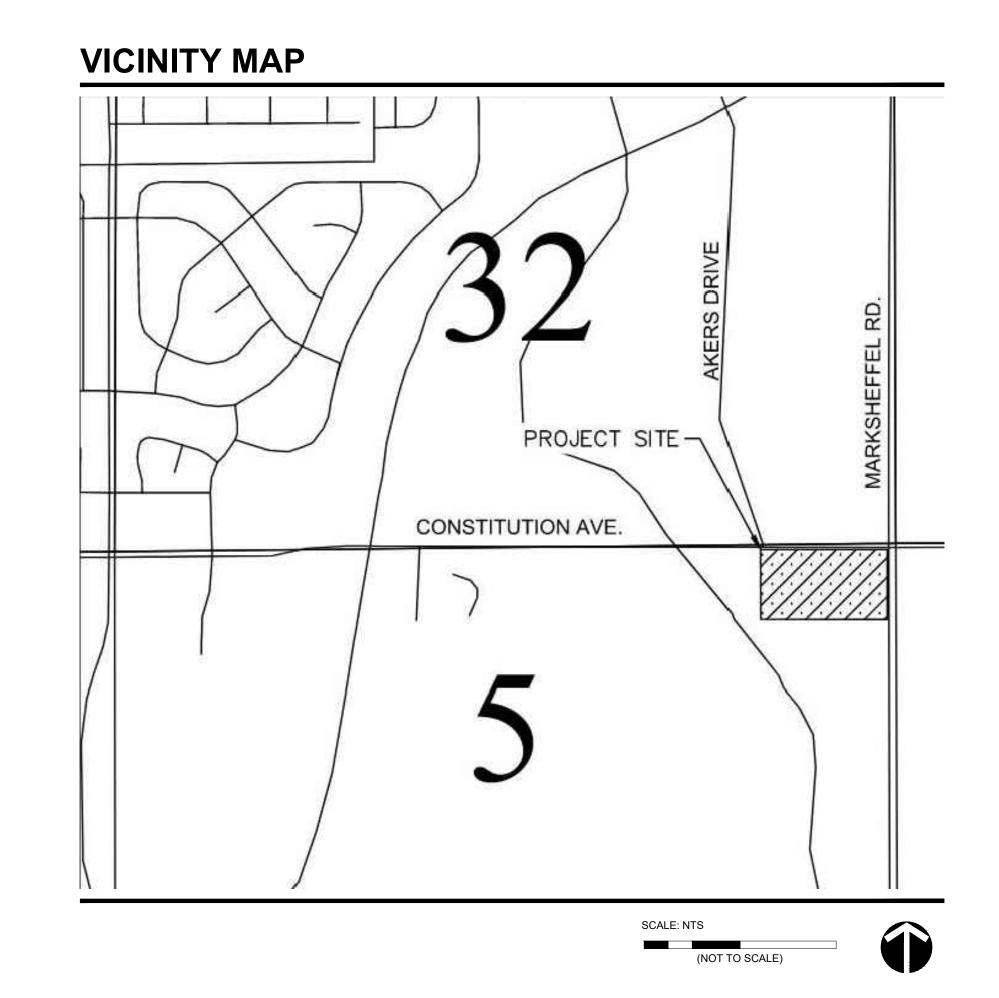
THE CITIZEN ON CONSTITUTION PCD PROJECT NUMBER: PPR-22-29 A PORTION OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH P.M., CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORADO

SHEET INDEX

	FINAL LANDSCAPE & IRRIGATION PLANS
SHEET NUMBER	SHEET TITLE
	COVER SHEET
L600	OVERALL LANDSCAPE PLAN
L601	LANDSCAPE PLAN
L602	LANDSCAPE PLAN
L603	LANDSCAPE PLAN
L604	LANDSCAPE PLAN
L605	LANDSCAPE PLAN
L606	LANDSCAPE PLAN
L607	COURTYARD ENLARGEMENT
L608	NOTES AND TABULATIONS
L609	LANDSCAPE DETAILS
L610	LANDSCAPE DETAILS
L611	FENCE AND DOG PARK DETAILS

LANDSCAPE DEVELOPMENT PLANS

DATE: 08.19.2022



PROJECT TEAM

317.886.7923

THE GARRETT COMPANIES 1051 GREENWOOD SPRINGS BLVD GREENWOOD, INDIANA 46143 765.748.9506 CONTACT NAME: NICK SMITH

IRRIGATION DESIGN

SETH HEIDMAN IRRIGATION DESIGN 6009 W. PARKER RD. #149-221 PLANO, TEXAS 75093 972.816.5141 CONTACT NAME: SETH HEIDMAN

OWNER/DEVELOPER

THE GARRETT COMPANIES 1051 GREENWOOD SPRINGS BLVD GREENWOOD, INDIANA 46143

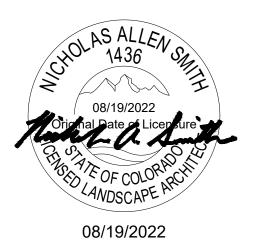
LANDSCAPE ARCHITECT

DIRECTOR OF CIVIL ENGINEERING KARL STOUT

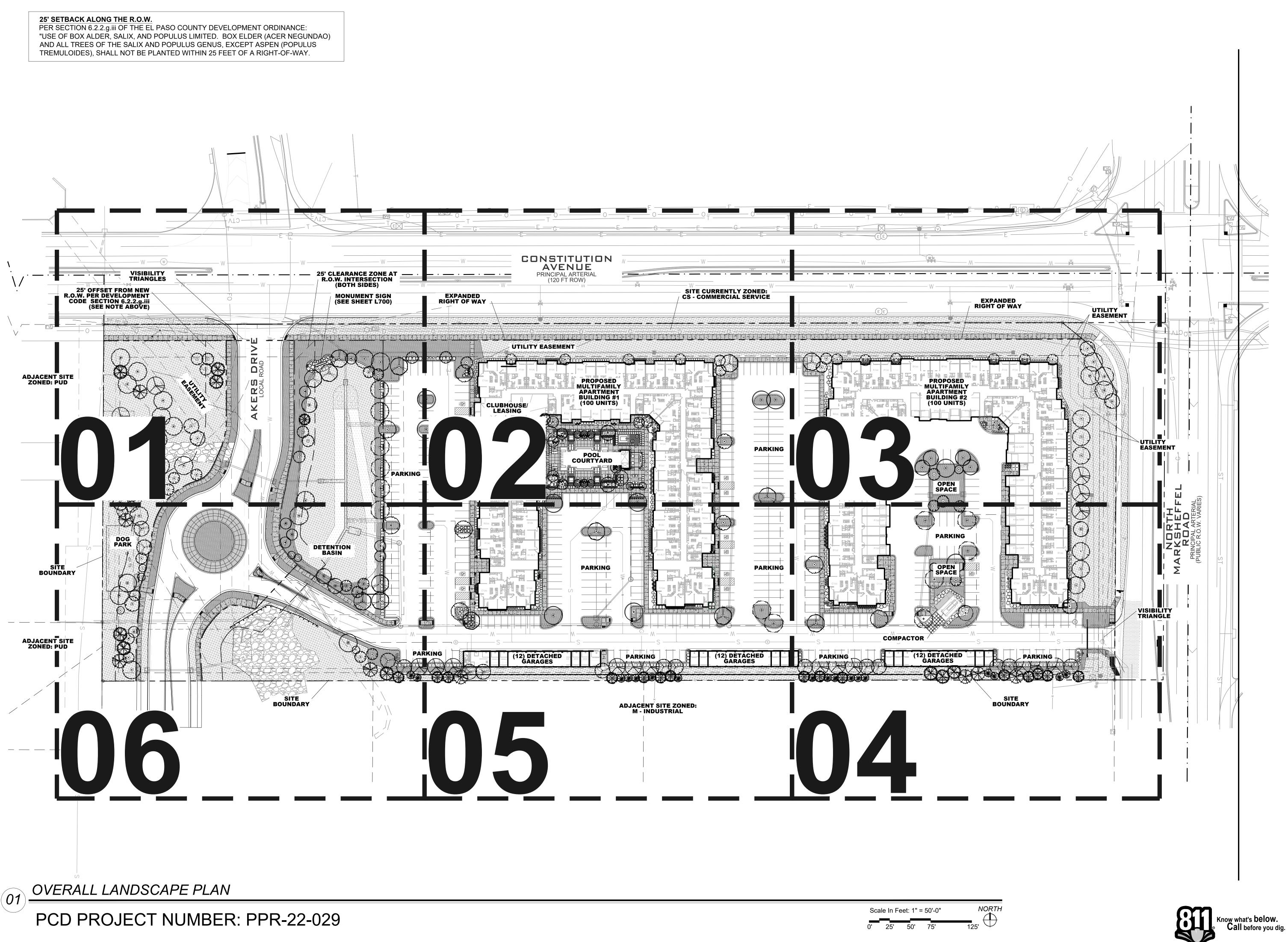
1051 GREENWOOD SPRINGS BLVD GREENWOOD, INDIANA 46143 317.886.7926

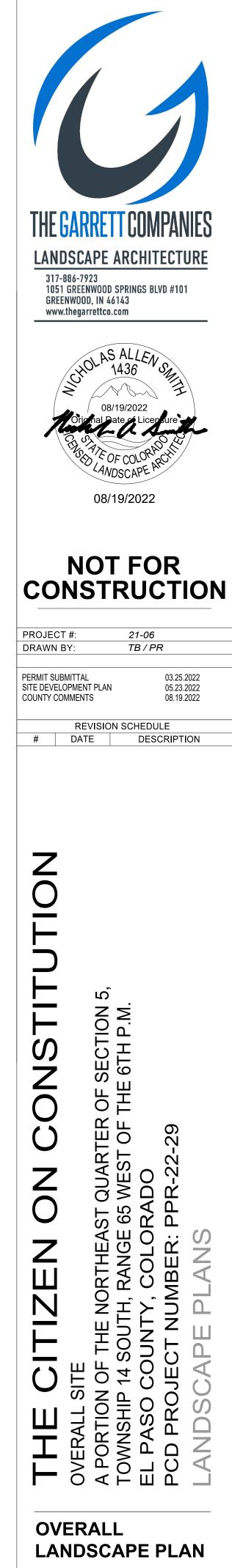
CIVIL ENGINEERING MANAGER ANDREW WHITE

1051 GREENWOOD SPRINGS BLVD GREENWOOD, INDIANA 46143 317.497.8275

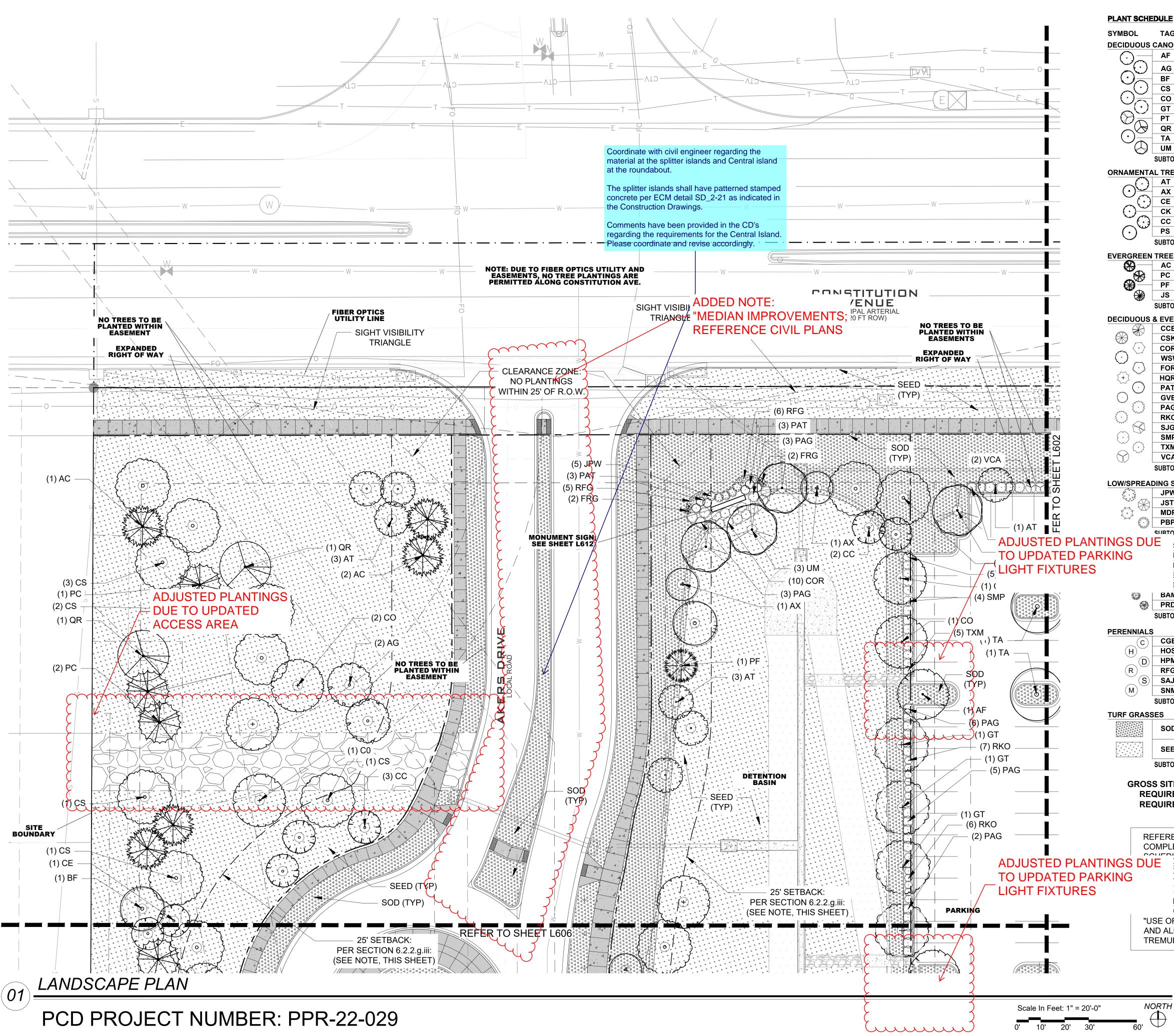








L600

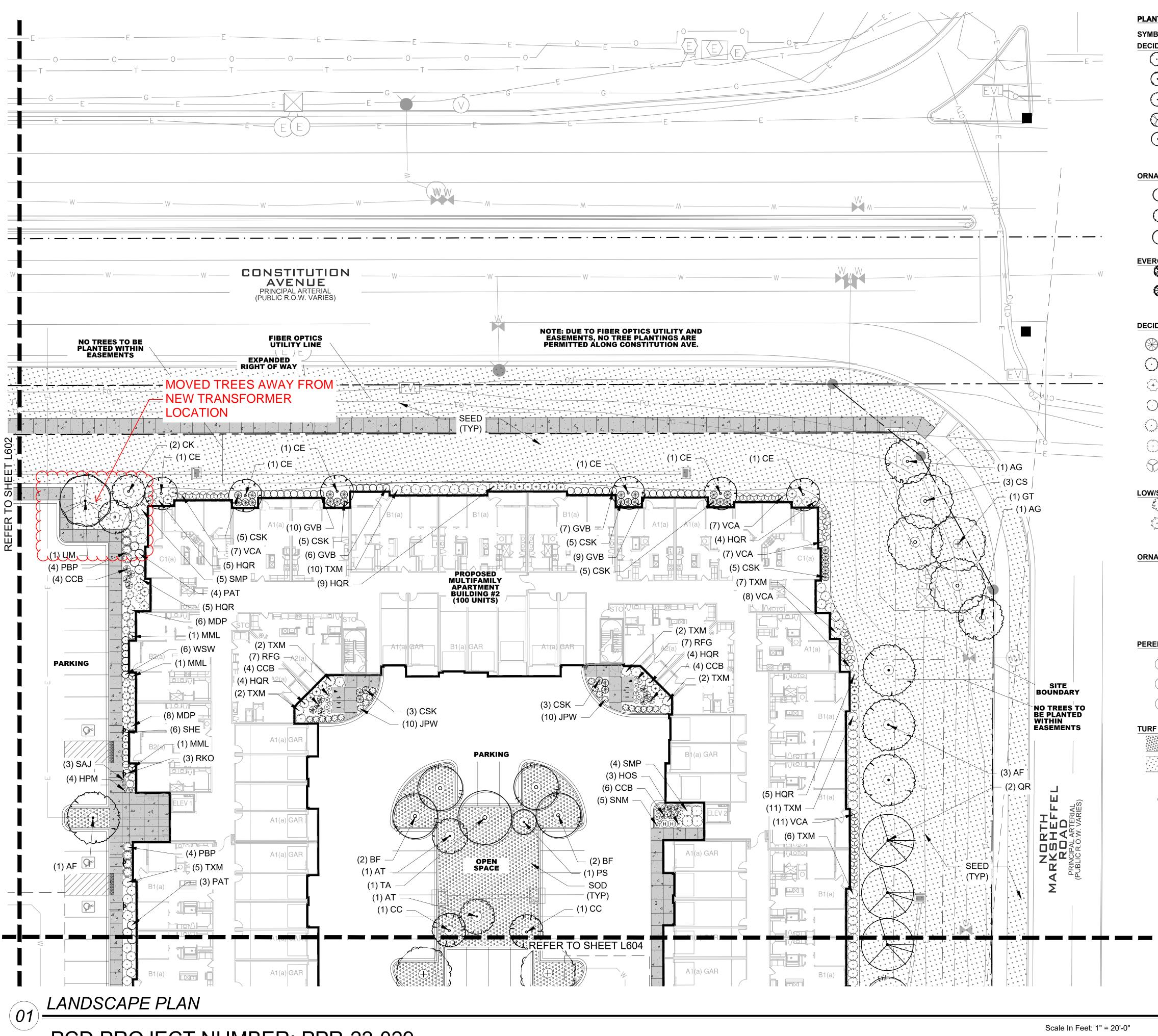


ANT SCHE	EDULE				
MBOL	TAG	QTY.	COMMON NAME	BOTANIC NAME	
	CANOPY AF	TREES 15		ACER X FREEMANII 'AUTUMN BLAZE'	
$\dot{\bigcirc}$	AF	15 8	AUTUMN BLAZE MAPLE OHIO BUCKEYE	ACER X FREEMANII 'AUTUMN BLAZE' AESCULUS GLABRA	
$O_{\overline{\frown}}$	BF	12	NATIVE RIVERBIRCH	BETULA FONTINALIS	THE GARRETT COMPANIES
\bigcirc	CS CO	16 7	WESTERN CATALPA WESTERN HACKBERRY	CATALPA SPECIOSA CELTIS OCCIDENTALIS	LANDSCAPE ARCHITECTURE
\odot	GT	12	IMPERIAL HONEYLOCUST	GLEDITSIA TRICANTHOS INERMIS 'IMPERIAL'	317-886-7923
	PT QR	18 17	QUAKING ASPEN RED OAK	POPULUS TREMULOIDES QUERCUS RUBRA	1051 GREENWOOD SPRINGS BLVD #101 Greenwood, in 46143
\odot	ТА	12		TILIA AMERICANA 'REDMOND'	www.thegarrettco.com
\bigotimes	UM SUBTOTAL	14 . 131	ACCOLADE ELM	ULMUS MORTON 'ACCOLADE'	
	AL TREES				SCHOLAS ALLEN SHIT
\odot	AT AX	11 15	HOT WINGS TATARIAN MAPLE AUTUMN BRILLANCE SERVICEBERRY	ACER TATARICUM 'GARANN' AMELACHIER X GRANDIFLORA X 'AUTUMN BRILLANCE'	
\sim	CE	15	EASTERN REDBUD	CERCIS CANADENSIS	08/19/2022
$\odot \underline{\underline{-}}$	CK CC	9 13	KOUSA DOGWOOD THORNLESS COCKSPUR HAWTHORN	CORNUS KOUSA CRATAEGUS CRUS GALLII 'INERMIS'	Original hate of Licensure
$(\cdot)^{\vee}$	PS	16	PINK FLAIR CHERRY	PRUNUS SARGENTII 'PINK FLAIR'	THE FIT OF COLOR ACT
<u> </u>	SUBTOTAL	. 79			ANDSCAPE AND
	AC	11	CONCOLOR FIR	ABIES CONCOLOR	08/19/2022
	PC	10	LODGEPOLE PINE VANDERWOLF'S PINE	PINUS CONTORTA PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	
	PF JS	16 17	MOONGLOW JUNIPER	JUNIPERUS SCOPULORUM ' MOONGLOW'	
4	SUBTOTAL	- 54			NOT FOR
	& EVERG	REEN SH 56	RUBS (TO INCLUDE PARKING LOT S BLUE MIST CARYOPTERIS	CREENING & FOUNDATION SHRUBS) CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	CONSTRUCTION
	CSK	178	ARCTIC FIRE DOGWOOD	CORNUS STOLONIFERA 'FARROW'	
$\bigcirc \bigcirc $	COR WSW	58 46	BAILEYS REDOSIER DOGWOOD SPILLED WINE WEIGELA	CORNUS STOLONIFERA 'BAILEYI' WEIGELA FLORIDA 'SPILLED WINE'	PROJECT #: 21-06
\sim (+)	FOR	21	KUMSON FORSYTHIA	FORSYTHIA VIRIDISSIMA 'KUMSON'	DRAWN BY: TB / PR
	HQR PAT	74 34	RUBY SLIPPERS HYDRANGEA BLUE SPIRES RUSSIAN SAGE	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS' PEROVSKIA ATRIPLICIFOLIA 'BLUE SPIRES'	PERMIT SUBMITTAL 03.25.2022 SITE DEVELOPMENT PLAN 05.23.2022
O junz	GVB	135		BUXUS X 'GREEN VELVET'	SITE DEVELOPMENT PLAN 05.23.2022 COUNTY COMMENTS 08.19.2022
And	PAG RKO	64 50	GNOME FIRETHORN KNOCK OUT PINK ROSE	PYRACANTHA ANGUSTIFOLIA 'GNOME' ROSA 'KNOCK OUT PINK ROSE'	REVISION SCHEDULE
	SJG SMP	55 27	'GOLDFLAME' SPIREA BLOOMERANG LILAC	SPIREA JAPONICA 'GOLDFLAME' SYRINGA X 'BLOOMERANG'	# DATE DESCRIPTION
	TXM	204	DENSE YEW	TAXUS X MEDIA 'DENSIFORMIS'	
\mathcal{O}	VCA SUBTOTAL	72 1,074	DWARF KOREANSPICE VIBURNUM	VIBURNUM CARLESII 'COMPACTUM'	
OW/SPREA		·			
AN + CHA	JPW	40	PRINCE OF WALES JUNIPER	JUNIPERUS HORIZONTALIS 'PRINCE OF WALES'	
	JST MDP	60 110	NEW BLUE JUNIPER SIBERIAN CYPRESS	JUNIPERUS SABINA 'TAMARISCIFOLIA NEW BLUE' MICROBIOTA DECUSSATA 'PRIDES'	2
AN HONEY	PBP	42	CREEPING WESTERN SAND CHERRY	PRUNUS BESSEYI 'PAWNEE BUTTES'	
IGS DL		. 252 SES			\Box
NG		38	BLUE AVENA GRASS	HELICTOTRICHON SEMPERVIRENS	
	L E	19 59	MORNING LIGHT MAIDEN GRASS SHENANDOAH SWITCHGRASS	MISCANTHUS SINENSIS 'MORNING LIGHT' PANICUM VIRGATUM 'SHENANDOAH'	
N7196-	;	53	FEATHER REED GRASS	CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER'	
	BAM PRD	129 52	BLONDE AMBITION GRASS PRAIRIE DROPSEED GRASS	BOUTELOUA GRACILIS SPOROBOLUS HETEROLEPSIS	. ບໍ ຼ
	SUBTOTAL	. 350			SECTION 6TH P.M.
		44			
	CGE HOS	44 43	EARLY SUNRISE COREOPSIS PATRIOT HOSTA	COREOPSIS GRANDIFLORA 'EARLY SUNRISE' HOSTA X 'PATRIOT'	SECT SECT
	HPM RFG	72 35	PARDON ME DAYLILY BLACK EYED SUSAN	HEMEROCALLIS 'PARDON ME' RUDBECKIA FULGIDA 'GOLDSTRUM'	
S	SAJ	51	AUTUMN JOY SEDUM	SEDUM 'AUTUMN JOY'	
M	SNM SUBTOTAL	39 284	MAY NIGHT SALVIA	SALVIA NEMEROSA 'MAY NIGHT'	
JRF GRAS		. ∠0 4			
	SOD	36,604 SO ET	ECOLOTURF™ SOD	VERSATILE BLUEGRASS/FESCUE SOD MIX (SEE NOTE BELOW)	QUAR WEST WEST PO R-22-
		SQ. FT. 134,984	TURF SEED MIX	"50/50 KENTUCKY BLUEGRASS/PERENNIAL	עם ≤ א [ַ] ב
	SEED	SQ. FT.		RYEGRASS" TURF MIX; SEE NOTE BELOW)	PP 65 0
RE RE CC IGS DU NG	S SITE A QUIRED QUIRED EFERENC OMPLETI OMPLETI JE INC JE INC AF BA CT USE OF B ND ALL T	OPEN S TREES: CE SHEE E LANDS E, NOTES DE SHEE PE DETA OX ALDE REES O	0.82 ACRES (427,759 SQ FT) SPACE: 64,164 SQ FTPROV 128.3 TREES PROV ET L608 FORPROVSCAPE PLANTS, & TABULATIONS.STS L609 - L611 FORISSUANCILS. NOTE: A NG THE R.O.W. 2.g.iii OF THE EL PASO COUNTYER, SALIX, AND POPULUS LIMITE	ED. BOX ELDER (ACER NEGUNDAO) NUS, EXCEPT ASPEN (POPULUS	THE CITIZEN OVERALL SITE OVERALL SITE A PORTION OF THE NORTHEA TOWNSHIP 14 SOUTH, RANGE EL PASO COUNTY, COLO PCD PROJECT NUMBER: PCD PROJECT NUMBER:
					LANDSCAPE PLAN



Know what's **below.** ◎ Call before you dig.

L601



PCD PROJECT NUMBER: PPR-22-029

10' 20' 30'

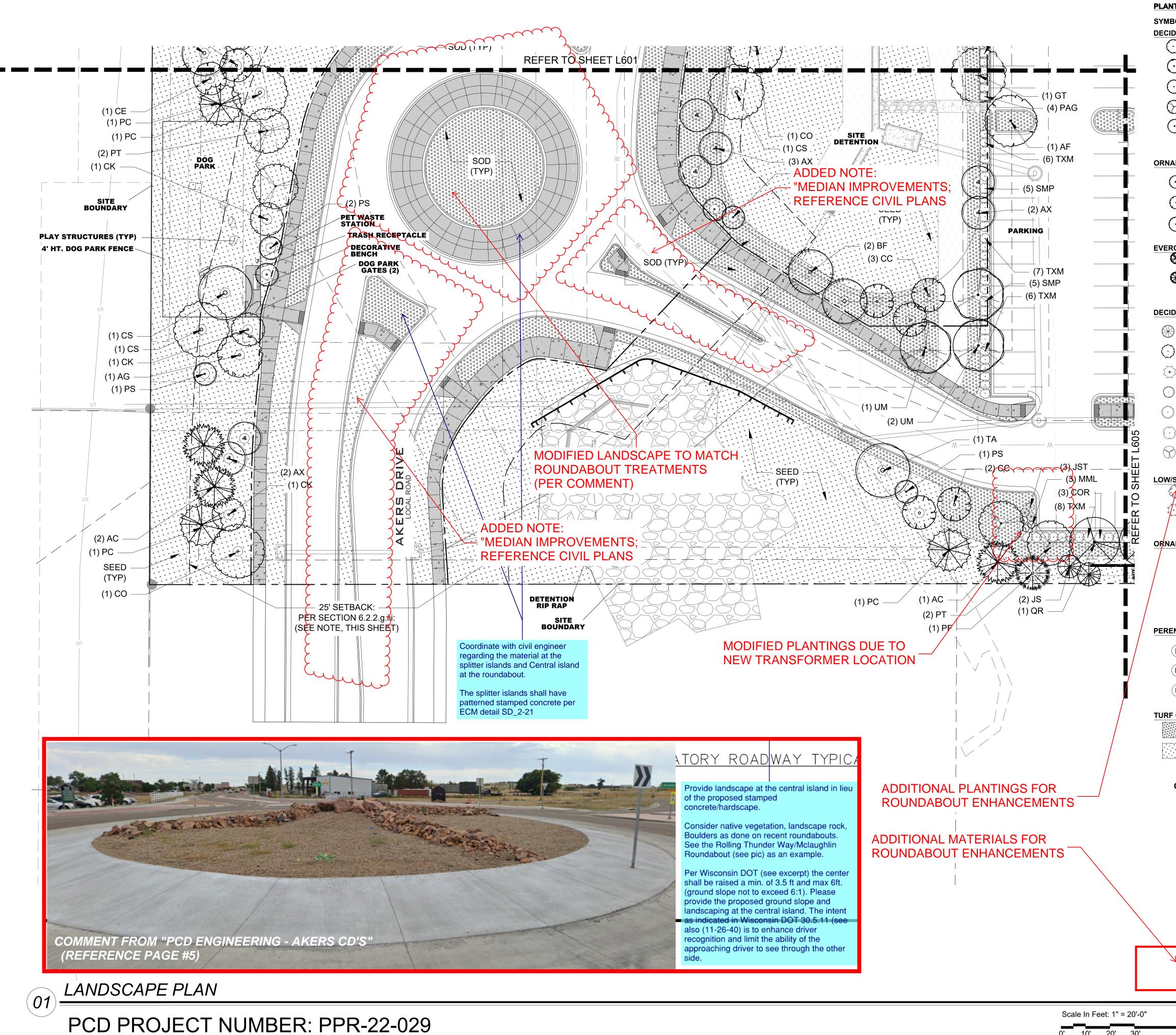
LANT SCHE						
YMBOL ECIDUOUS		QTY.	COMMON NAME		BOTANIC NAME	
	AF	15	AUTUMN BLAZE MAP	LE	ACER X FREEMANII 'AUTUMN BLAZE'	
\simeq \odot	AG	8	OHIO BUCKEYE		AESCULUS GLABRA	
$\odot_{\overline{\bigcirc}}$	BF CS	12 16	NATIVE RIVERBIRCH WESTERN CATALPA		BETULA FONTINALIS CATALPA SPECIOSA	THE GARRETT COMPANIES
\odot	CO	16 7	WESTERN HACKBERI		CELTIS OCCIDENTALIS	LANDSCAPE ARCHITECTURE
$\mathbf{Q}^{(\cdot)}$	GT	12		UST	GLEDITSIA TRICANTHOS INERMIS 'IMPERIAL'	317-886-7923
$\nabla \overline{\mathbb{R}}$	PT QR	18 17	QUAKING ASPEN RED OAK		POPULUS TREMULOIDES QUERCUS RUBRA	1051 GREENWOOD SPRINGS BLVD #101 Greenwood, in 46143
\odot	TA	12	REDMOND LINDEN		TILIA AMERICANA 'REDMOND'	www.thegarrettco.com
$\boldsymbol{\Theta}$	UM SUBTOTA	14 L 131	ACCOLADE ELM		ULMUS MORTON 'ACCOLADE'	
RNAMENT						CHOLAS ALLEN SHIT
\bigcirc	AT	11	HOT WINGS TATARIAN M		ACER TATARICUM 'GARANN'	
$\bigcup_{i=1}^{2}$	AX CE	15 15	AUTUMN BRILLANCE SERVICE EASTERN REDBUD	EBERRY	AMELACHIER X GRANDIFLORA X 'AUTUMN BRILLANCE' CERCIS CANADENSIS	
$\bigcirc \bigcirc $	СК	9	KOUSA DOGWOOD		CORNUS KOUSA	Original Date of Licensure
	CC PS	13 16	THORNLESS COCKSPUR HAW PINK FLAIR CHERRY	VTHORN	CRATAEGUS CRUS GALLII 'INERMIS' PRUNUS SARGENTII 'PINK FLAIR'	
U	SUBTOTA					LANDSCAPE ARCH
/ERGREEN	TREES					
	AC PC	11 10	CONCOLOR FIR LODGEPOLE PINE		ABIES CONCOLOR PINUS CONTORTA	08/19/2022
	PC	16	VANDERWOLF'S PIN		PINUS CONTORTA PINUS FLEXILIS 'VANDERWOLF'S PYRAMID'	
	JS	17	MOONGLOW JUNIPE	R	JUNIPERUS SCOPULORUM ' MOONGLOW'	
	SUBTOTA					NOT FOR
A	CCB	56	BLUE MIST CARYOPTE		CREENING & FOUNDATION SHRUBS) CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	
	CSK	178	ARCTIC FIRE DOGWO		CORNUS STOLONIFERA 'FARROW'	
(\cdot)	COR WSW	58 46	BAILEYS REDOSIER DOG SPILLED WINE WEIGE		CORNUS STOLONIFERA 'BAILEYI' WEIGELA FLORIDA 'SPILLED WINE'	PROJECT #: 21-06
\sim	FOR	21	KUMSON FORSYTHI		FORSYTHIA VIRIDISSIMA 'KUMSON'	DRAWN BY: TB / PR
$\left\{ * \right\} $	HQR PAT	74 34	RUBY SLIPPERS HYDRAM BLUE SPIRES RUSSIAN	-	HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS' PEROVSKIA ATRIPLICIFOLIA 'BLUE SPIRES'	PERMIT SUBMITTAL 03.25.2022
() junz	GVB	135	GREEN VELVET BOXWO		BUXUS X 'GREEN VELVET'	SITE DEVELOPMENT PLAN05.23.2022COUNTY COMMENTS08.19.2022
July 2 + 2	PAG RKO	64 50	GNOME FIRETHORN		PYRACANTHA ANGUSTIFOLIA 'GNOME' ROSA 'KNOCK OUT PINK ROSE'	REVISION SCHEDULE
mer D	SJG	55	'GOLDFLAME' SPIRE	-	SPIREA JAPONICA 'GOLDFLAME'	# DATE DESCRIPTION
	SMP TXM	27 204	BLOOMERANG LILA DENSE YEW	C	SYRINGA X 'BLOOMERANG' TAXUS X MEDIA 'DENSIFORMIS'	
\mathcal{O}	VCA		DWARF KOREANSPICE VIB	BURNUM	VIBURNUM CARLESII 'COMPACTUM'	
	SUBTOTA	L 1,074				
DW/SPREA					JUNIPERUS HORIZONTALIS 'PRINCE OF WALES'	
A A A A A A A A A A A A A A A A A A A	JPW JST	40 60	PRINCE OF WALES JUN NEW BLUE JUNIPER		JUNIPERUS HORIZONTALIS PRINCE OF WALES JUNIPERUS SABINA 'TAMARISCIFOLIA NEW BLUE'	
[°]	MDP	110	SIBERIAN CYPRESS		MICROBIOTA DECUSSATA 'PRIDES'	
	PBP SUBTOTA	42 L 252	CREEPING WESTERN SAND (GHERRI	PRUNUS BESSEYI 'PAWNEE BUTTES'	
RNAMENT	AL GRAS	SES				
\odot	BLU	38 19	BLUE AVENA GRAS		HELICTOTRICHON SEMPERVIRENS MISCANTHUS SINENSIS 'MORNING LIGHT'	
	SHE	19 59	SHENANDOAH SWITCHG		PANICUM VIRGATUM 'SHENANDOAH'	
	FRG	53	FEATHER REED GRAS		CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER'	
	BAM PRD	129 52	BLONDE AMBITION GR. PRAIRIE DROPSEED GR		BOUTELOUA GRACILIS SPOROBOLUS HETEROLEPSIS	່ ບໍ່
	SUBTOTA	L 350				SECTION 6TH P.M.
	CGE HOS	44 43	EARLY SUNRISE COREC PATRIOT HOSTA	OPSIS	COREOPSIS GRANDIFLORA 'EARLY SUNRISE' HOSTA X 'PATRIOT'	
\bigcirc (D)	НРМ	72	PARDON ME DAYLIL		HEMEROCALLIS 'PARDON ME'	
	RFG SAJ	35 51	BLACK EYED SUSAI		RUDBECKIA FULGIDA 'GOLDSTRUM' SEDUM 'AUTUMN JOY'	
(M) (S)	SNM	39	MAY NIGHT SALVIA		SALVIA NEMEROSA 'MAY NIGHT'	
Ú	SUBTOTA	L 284				
JRF GRAS	SES	36,604	ECOLOTURF ™ SOD	`	VERSATILE BLUEGRASS/FESCUE	
	SOD	SQ. FT.	ECOLOTOR	,	SOD MIX (SEE NOTE BELOW)	
	SEED	134,984 SQ. FT.	TURF SEED MIX		"50/50 KENTUCKY BLUEGRASS/PERENNIAL RYEGRASS" TURF MIX; SEE NOTE BELOW)	
* * * * * * * * * * *	SUBTOTA	L: 171,588	SQ. FT.		, ,	
RE	S SITE / QUIRED	AREA: 9. OPEN S	.82 ACRES (427,759 SQ PACE: 64,164 SQ FT 128.3 TREES	PROV	IDED OPEN SPACE: 124,126 SQ FT IDED TREES: 128 OPEN SPACE TREES	ZED Northe H, Rang V, Col Iumber
RI	EFEREN	CE SHEE			FINAL LANDSCAPE AND IRRIGATION	
C	OMPLET	E LANDS	CAPE PLANT	CONCUR	ALL BE SUBMITTED AND REVIEWED RENT WITH BUILDING PERMIT AL AND APPROVED PRIOR TO	
		,			E OF A BUILDING PERMIT.	│ 🖸 ё ё ё ぢ ё 🖌
		PE DETAI				
■ "U AI	ER SECT ISE OF E ND ALL 1	TION 6.2.2 BOX ALDE FREES OF	R, SALIX, AND POPULUS THE SALIX AND POPUL	S LIMITE _US GEN	DEVELOPMENT ORDINANCE: ED. BOX ELDER (ACER NEGUNDAO) NUS, EXCEPT ASPEN (POPULUS 25 FEET OF A RIGHT-OF-WAY.	THE OVERALL A PORTIC TOWNSHI TOWNSHI EL PASC PCD PR





L603

LANDSCAPE PLAN



0' 10' 20' 30'

ANT SCHE	DULE							
(MBOL	TAG	QTY.	COMMON NAM	E	BOTANIC NAME			
	CANOPY AF	TREES				T		
$\dot{\odot}_{\dot{\frown}}$	AF	15 8	AUTUMN BLAZE MA		ACER X FREEMANII 'AUTUMN BLAZE' AESCULUS GLABRA	+		
\bigcirc	BF	12	NATIVE RIVERBIR	СН	BETULA FONTINALIS	IHL	GARRETTC	JMPANIES
$\tilde{\odot}$	CS CO	16 7	WESTERN CATAL		CATALPA SPECIOSA CELTIS OCCIDENTALIS			
$\mathbf{\hat{\mathbf{i}}}$	GT	/ 12	WESTERN HACKBE		GLEDITSIA TRICANTHOS INERMIS 'IMPERIAL'		DSCAPE ARCI 7-886-7923	
$\mathcal{O}_{\overline{\mathcal{O}}}^{-}$	PT	18		N		105	51 GREENWOOD SPRING	S BLVD #101
\bigcirc	QR TA	17 12	RED OAK REDMOND LINDE	EN	QUERCUS RUBRA TILIA AMERICANA 'REDMOND'		EENWOOD, IN 46143 w.thegarrettco.com	
\sim	UM	14	ACCOLADE EL		ULMUS MORTON 'ACCOLADE'			
	SUBTOTA						AS ALL	FAI
	AL TREES	5 11	HOT WINGS TATARIAN	MAPLE	ACER TATARICUM 'GARANN'	Ţ	SCHOL AS ALL 1436	Shi
\bigcirc	AX	15	AUTUMN BRILLANCE SERV	CEBERRY	AMELACHIER X GRANDIFLORA X 'AUTUMN BRILLANCE'	t /	/) I
$\overline{\bigcirc}$	CE CK	15 9	EASTERN REDBUI		CERCIS CANADENSIS CORNUS KOUSA		/ 08/19/202 Original Date of L	2 icensure
$\mathbf{\tilde{\mathbf{G}}}$	CC	13	THORNLESS COCKSPUR H	AWTHORN	CRATAEGUS CRUS GALLII 'INERMIS'		R.G.	A men
\bigcirc	PS	16	PINK FLAIR CHERR	Y	PRUNUS SARGENTII 'PINK FLAIR'	Ĭ	SED FOF COL	ORACHI
	SUBTOTA	L 79					LANDSCAF	EH
	AC	11	CONCOLOR FIF	R	ABIES CONCOLOR	T	08/19/20	22
	PC	10				+		
	PF JS	16 17	VANDERWOLF'S P MOONGLOW JUNI		PINUS FLEXILIS 'VANDERWOLF'S PYRAMID' JUNIPERUS SCOPULORUM ' MOONGLOW'	+		
VIX I	SUBTOTA	L 54				±	NOT F	OR
			•		CREENING & FOUNDATION SHRUBS)		NSTRU	
	CCB CSK	56 178	BLUE MIST CARYOP ARCTIC FIRE DOGW		CARYOPTERIS X CLANDONENSIS 'BLUE MIST' CORNUS STOLONIFERA 'FARROW'		INSIRU	
\sim	COR	58	BAILEYS REDOSIER DO	GWOOD	CORNUS STOLONIFERA 'BAILEYI'		NT // 04	
$\left(\cdot \right) \left[\cdot \right]$	WSW FOR	46 21	SPILLED WINE WEIG		WEIGELA FLORIDA 'SPILLED WINE' FORSYTHIA VIRIDISSIMA 'KUMSON'	PROJEC		-06 / PR
$\langle * \rangle$	HQR	74	RUBY SLIPPERS HYDR		HYDRANGEA QUERCIFOLIA 'RUBY SLIPPERS'	+		
\sim (\cdot)	PAT GVB	34 135	BLUE SPIRES RUSSIA GREEN VELVET BOX		PEROVSKIA ATRIPLICIFOLIA 'BLUE SPIRES' BUXUS X 'GREEN VELVET'		LOPMENT PLAN	03.25.2022 05.23.2022
	PAG	64	GREEN VELVET BOX		PYRACANTHA ANGUSTIFOLIA 'GNOME'		OMMENTS	08.19.2022
the second	RKO	50			ROSA 'KNOCK OUT PINK ROSE'	- 	REVISION SCH	
	SJG SMP	55 27	'GOLDFLAME' SPI		SPIREA JAPONICA 'GOLDFLAME' SYRINGA X 'BLOOMERANG'	#	DATE	DESCRIPTION
\sim	TXM	204	DENSE YEW		TAXUS X MEDIA 'DENSIFORMIS'	+ +		
\mathcal{O}	VCA SUBTOTA	72 L 1,074	DWARF KOREANSPICE V	IBURNUM	VIBURNUM CARLESII 'COMPACTUM'			
) W/SPREAI								
WW/SPREAD	JPW	40	PRINCE OF WALES JU	JNIPER	JUNIPERUS HORIZONTALIS 'PRINCE OF WALES'	Ţ		
	JST MDP	60 110	NEW BLUE JUNIP SIBERIAN CYPRE		JUNIPERUS SABINA 'TAMARISCIFOLIA NEW BLUE' MICROBIOTA DECUSSATA 'PRIDES'			
ALV ELONG	PBP	42	CREEPING WESTERN SAN		PRUNUS BESSEYI 'PAWNEE BUTTES'			
	SUBTOTA	L 252						
NAMENTA	AL GRASS	SES 38	BLUE AVENA GRA	SS	HELICTOTRICHON SEMPERVIRENS			
_ ۵	MML	19	MORNING LIGHT MAIDE	N GRASS	MISCANTHUS SINENSIS 'MORNING LIGHT'			
	SHE FRG	59 53	SHENANDOAH SWITCH FEATHER REED GR		PANICUM VIRGATUM 'SHENANDOAH' CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER'			
	BAM	129	BLONDE AMBITION G		BOUTELOUA GRACILIS			
	PRD	52	PRAIRIE DROPSEED	GRASS	SPOROBOLUS HETEROLEPSIS		<u>–</u> 5,	
	SUBTOTA	L 350					SECTION 6TH P.M.	
	CGE	44	EARLY SUNRISE COR	EOPSIS	COREOPSIS GRANDIFLORA 'EARLY SUNRISE'		H	
(H)	HOS	43	PATRIOT HOST		HOSTA X 'PATRIOT'		SECT 6TH	
$(\mathbf{R})^{(\mathbf{D})}$	HPM RFG	72 35	PARDON ME DAYL BLACK EYED SUS		HEMEROCALLIS 'PARDON ME' RUDBECKIA FULGIDA 'GOLDSTRUM'		~ 뿌	
S	SAJ	51	AUTUMN JOY SED		SEDUM 'AUTUMN JOY'		OF S	
M	SNM	39	MAY NIGHT SALV	ΊΑ	SALVIA NEMEROSA 'MAY NIGHT'		ER O F	6
	SUBTOTA	L 284						-22-2
JRF GRASS	SOD	36,604	ECOLOTURF ™ S	DD	VERSATILE BLUEGRASS/FESCUE	- 7	IAR EST	- ⁵ 0
	300	SQ. FT.			SOD MIX (SEE NOTE BELOW)		QUA WE	$\Box $
	SEED	134,984 SQ. FT.	TURF SEED MIX		"50/50 KENTUCKY BLUEGRASS/PERENNIAL RYEGRASS" TURF MIX; SEE NOTE BELOW)			РР Р
	SUBTOTA	L: 171,588	SQ. FT.				• • • •	\frown (\frown
REC	QUIRED QUIRED EFEREN OMPLET	OPEN S TREES: CE SHEE E LANDS	0.82 ACRES (427,759 S SPACE: 64,164 SQ FT : 128.3 TREES ET L608 FOR SCAPE PLANT S, & TABULATIONS.	PROV PROV NOTE: A PLAN SH CONCUR SUBMITT	TIDED OPEN SPACE: 124,126 SQ FT TIDED TREES: 128 OPEN SPACE TREES FINAL LANDSCAPE AND IRRIGATION ALL BE SUBMITTED AND REVIEWED RENT WITH BUILDING PERMIT TAL AND APPROVED PRIOR TO	CITIZEN	E NORTHE JTH, RANG	SUNTY, COLO
RE LA 25 PE "U AN	FEREN NDSCAI	CE SHEE PE DETA ACK ALO TION 6.2.2 BOX ALDE TREES O	NG THE R.O.W. 2.g.iii OF THE EL PASO F THE SALIX, AND POPUL F THE SALIX AND POPUL	ISSUANC COUNTY US LIMITE ULUS GEN	DEVELOPMENT ORDINANCE: ED. BOX ELDER (ACER NEGUNDAO) NUS, EXCEPT ASPEN (POPULUS 25 EEET OF A PIGHT OF WAY	THE C	N A	EL PASO CO PCD PROJE LANDSC/
		,,						
						LA	NDSCAPI	E PLAN





Know what's **below.** ◎ Call before you dig.

L606

SITE DEVELOPMENT PLAN – PCD PLANNING COMMENT RESPONSE

LEGAL DESCRIPTION PARCEL A:

A PORTION OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 V CITY OF COLORADO SPRINGS, COUNTY OF EL PASO, STATE OF COLORAL

A PARCEL OF LAND LOCATED IN SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 5; THENCE SOUTH 89'53'50" WEST, 30.00 FEET ALONG THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 5 TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF MARKSHEFFEL ROAD; THENCE SOUTH 00°20'42" WEST, 60.00 FEET ALONG SAID WESTERLY RIGHT-OF-WAY LINE TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF PROPOSED 120.00 FOOT WIDE RIGHT-OF-WAY OF CONSTITUTION AVENUE TO THE POINT OF BEGINNING OF THE TRACT OF LAND HEREIN DESCRIBED; THENCE SOUTH 00'20'42" WEST, 435.00 FEET ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF MARKSHEFFEL ROAD TO THE SOUTHEAST CORNER OF THE TRACT OF LAND DESCRIBED IN BOOK 2083 AT PAGE 587 OF THE RECORDS OF SAID COUNTY; THENCE SOUTH 89'53'50" WEST, 1292.28 FEET ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE TO THE POINT OF BEGINNING, EL PASO COUNTY, COLORADO.

EXCEPT THAT PORTION DESCRIBED AS FOLLOWS: THAT PORTION OF THE NORTHEAST ONE-QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH P.M., SITUATE IN EL PASO COUNTY, COLORADO, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 5 THENCE SOUTH 89'53'50" WEST ON THE NORTH LINE THEREOF, 1322.28 FEET TO THE NORTHWEST CORNER OF SAID NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 5. THENCE SOUTH 00°20'41" WEST ON THE WEST LINE OF SAID NORTHEAST ONE-QUARTER OF SECTION 5, 60.00 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF PROPOSED 120.00 FOOT RIGHT-OF-WAY OF CONSTITUTION AVENUE AND THE POINT OF BEGINNING OF THE TRACT OF LAND HEREIN DESCRIBED, THENCE (1) CONTINUE ON THE LAST MENTIONED COURSE 435.00 FEET; (2) NORTH 89'53'50" EAST, 172.42 FEET; (3) NORTH 00°20'41" EAST 435.00 FEET TO A POINT ON SAID SOUTHERLY RIGHT-OF-WAY LINE OF PROPOSED CONSTITUTION AVENUE; (4) SOUTH 89'53'50" WEST ON SAID SOUTHERLY RIGHT-OF-WAY LINE OF PROPOSED CONSTITUION AVENUE, 172.42 FEET TO THE POINT OF BEGINNING.

EXCEPT THAT PORTION CONVEYED TO THE BOARD OF COUNTY COMMISSIONER, EL PASO COUNTY, COLORADO IN WARRANTY DEED RECORDED JUNE 9, 2010 UNDER RECEPTION NO. 210054574.

COUNTY OF EL PASO, STATE OF COLORADO.

PARCEL B:

THAT PORTION OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 5, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, SITUATE IN COUNTY EL PASO, STATE OF COLORADO AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 5, THENCE SOUTH 89'53'50" WEST ON THE NORTH LINE THEREOF, 1,322.28 FEET TO THE NORTHWEST CORNER OF SAID NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER OF SECTION 5, THENCE SOUTH 00'20'41" WEST ON THE WEST LINE OF SAID NORTHEAST ONE-QUARTER OF SECTION 5, 60.00 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF PROPOSED 120.00 FOOT RIGHT OF WAY OF CONSTITUTION AVENUE AND THE POINT OF BEGINNING OF THE TRACT OF LAND HEREIN DESCRIBED, THENCE (1) CONTINUE ON LAST MENTIONED COURSE, 435.00 FEET; (2) NORTH 89'53'50" EAST, 172.42 FEET; (3) NORTH 00'20'41" EAST, 435.00 FEET TO A POINT ON SAID SOUTHERLY RIGHT OF WAY LINE OF PROPOSED CONSTITUTION AVENUE; (4) SOUTH 89'53'50" WEST ON SAID SOUTHERLY RIGHT OF WAY LINE OF PROPOSED CONSTITUTION AVENUE, 172.42 FEET TO A POINT OF BEGINNING.

COUNTY OF EL PASO. STATE OF COLORADO.

(PER TITLE COMMITMENT FILE NO. NCS-1074278-INDY AS PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY.)

GENERAL NOTES

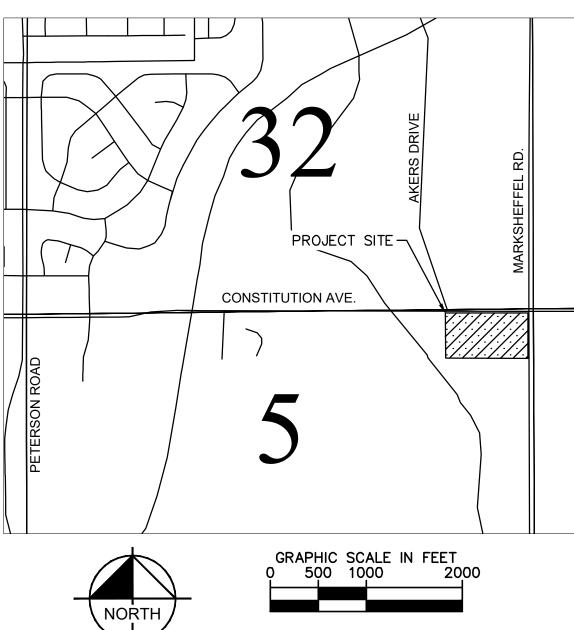
1. BASED ON ELEVATION DATA, THE APPLICANT WILL NEED TO FILE FEDERAL AVIATION ADMINISTRATION (FAA) FORM 7460-1 "NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION" FOR ANY NEW VERTICAL DEVELOPMENT AT THIS SITE, INCLUDING TEMPORARY CONSTRUCTION EQUIPMENT, AND PROVIDE FAA DOCUMENTATION TO THE AIRPORT BEFORE THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES; FAA'S WEBSITE (HTTPS://OEAAA.FAA.GOV/OEAAA/EXTERNAL/PORTAL.ISP).

SITE DATA

SITE DATA	
ZONING CLASSIFICATION:	RESIDENTIAL, MULTI-DWELLING (RM-30)
LAND USE:	RESIDENTIAL, MULTI-FAMILY
JURISDICTION:	EL PASO COUNTY
SITE ADDRESS:	TBD
TAX SCHEDULE NO .:	5405104075 AND 5405104074
BUILDING SETBACKS:	25' FRONT SETBACK (AKERS DRIVE) 15' SIDE SETBACK 15' REAR SETBACK
MAXIMUM LOT COVERAGE:	60%
PROPOSED EASEMENTS:	REFER TO FINAL PLAT
LANDSCAPE:	5% OF INTERIOR LOT (NOT INCLUDING LANDSCAPE BUFFER)
SITE COVERAGE:	BUILDING- 2.55 AC 21.8%±PAVEMENT/HARDSCAPE- 4.73 AC 40.4%±LANDSCAPING- 4.44 AC 37.8%±
BUILDING DATA BUILDING HEIGHT: PROPOSED:	40.0'
MAXIMUM BY CODE:	40.0
PROPOSED LOT COVERAGE:	21.8%±
Please include: open space and impermeable s	surface percentage ne, please specify

he proposed open space and impermeable surface percentages are updates above under the "site coverage" heading (just above the Building Data title.

THE CITIZEN ON CONSTITUTION SITE DEVELOPMENT PLAN



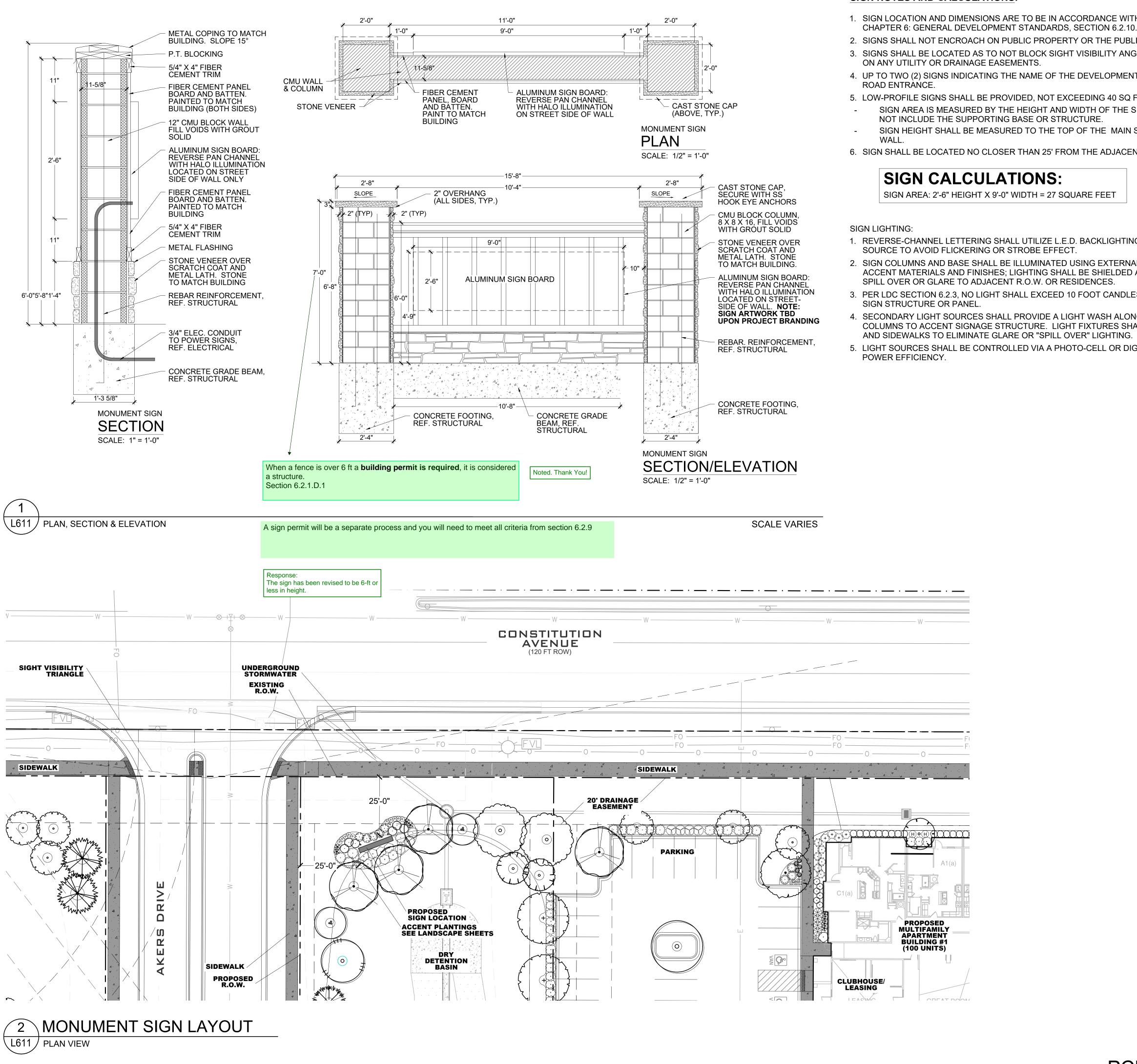
SITE DEVELOPMENT PLAN				
SHEET NO.	SHEET TITLE			
C1.0	COVER SHEET			
C2.0	OVERALL SITE INDEX PLAN			
C2.1	SITE PLAN (W)			
C2.2	SITE PLAN (C)			
C2.3	SITE PLAN (E)			
C3.0	UTILITY PLAN COVER SHEET			
C3.1	UTILITY PLAN NOTES			
C3.2	UTILITY PLAN NOTES			
C3.3	UTILITY SERVICE PLAN			
C3.4	UTILITY SERVICE PLAN			
C3.5	WATER PLAN			
C3.6	WATER PLAN			
C3.7	SAN. SEWER PLAN & PROFILE LINE A			
C3.8	SAN. SEWER PLAN & PROFILE LINE A			
C4.0	GRADING PLAN (W)			
C4.1	GRADING PLAN (C)			
C4.2	GRADING PLAN (E)			
C4.3	STORM PLAN AND PROFILE LINE A			
C4.4	STORM PLAN AND PROFILE LINE B & C			
C4.5	STORM PLAN AND PROFILE LINE D			
C4.6	STORM PLAN AND PROFILE LINE D			
C4.7	STORM PLAN AND PROFILE LINE E			
C4.8	STORM PLAN AND PROFILE LINE F			
C4.9	STORM PLAN AND PROFILE LINE F			
C4.10	STORM PLAN AND PROFILE LINE G			
C4.11	STORM PLAN AND PROFILE LINE H			
C4.12	STORM PLAN AND PROFILE LINE I & J			
C4.13	DETENTION POND PLAN AND DETAILS			
C5.0	CONSTRUCTION DETAILS			
C5.1	CONSTRUCTION DETAILS			

* SHEETS PROVIDED AS SEPARATE DOCUMENTS

* BUILDING ELEVATION PLANS					
SHEET NUMBER	SHEET TITLE				
A4-00	BUILDING A ELEVATIONS				
A4-01	BUILDING A ELEVATIONS				
A4-02	BUILDING A ELEVATIONS				
A4-03	BUILDING A ELEVATIONS				
A4-10	BUILDING B ELEVATIONS				
A4–11	BUILDING B ELEVATIONS				
A4-12	BUILDING B ELEVATIONS				
A4-13	BUILDING B ELEVATIONS				
* FLOOR	PLANS				
SHEET NUMBER	SHEET TITLE				
A3-01	BUILDING A 1ST FLOOR PLANS				
A3-02	BUILDING A 2ND FLOOR PLANS				
A3-03	BUILDING A 3RD FLOOR PLANS				
A3-04	BUILDING A ROOF PLANS				
A3–11	BUILDING B 1ST FLOOR PLANS				
A3-12	BUILDING B 2ND FLOOR PLANS				
A3-13	BUILDING B 3RD FLOOR PLANS				
A3-14	BUILDING B ROOF PLANS				
* LANDSCA	PE PLANS				
SHEET NUMBER	SHEET TITLE				
L600	OVERALL LANDSCAPE PLAN				
L601	LANDSCAPE PLAN				
L602	LANDSCAPE PLAN				
L603	LANDSCAPE PLAN				
L604	LANDSCAPE PLAN				
L605	LANDSCAPE PLAN				
L606	LANDSCAPE PLAN				
L607	COURTYARD ENLARGEMENT				
L608	NOTES AND TABULATIONS				
L609	LANDSCAPE DETAILS				
L610	LANDSCAPE DETAILS & NOTES				
L611	FENCE & DOG PARK DETAILS				
* LIGHTIN					
SHEET NUMBER	SHEET TITLE				
E0-01	SITE PLAN – ELECTRICAL				
E0-02	SITE PLAN - PHOTOMETRICS				
E0-03	SITE PLAN - CUT SHEETS				
E0-04	SITE PLAN - CUT SHEETS				
E0-05	SITE PLAN - CUT SHEETS				
* SIGN					
SHEET NUMBER SHEET TITLE					
L612	SIGN PLAN				
LUIZ	JIGIN FLAIN				

					APPR.				
					DATE				
5 WEST OF TH									
RADO		BY							
LAND AREA:									
TOTAL PROPERTY AREA: +/-	11.72 ACRES								
BENCHMARK:					NO				
ELEVATIONS ARE BASED UPON (ELEVATION=6452.43 NGVD29)	CITY OF COLORADO SPRINGS	FIM2 BEI	NCHMARK BLIIU4		REVISION				
SOIL TYPE: THE SOIL ON SITE IS USGS HYE									
FEMA CLASSIFICAT	, , , , , , , , , , , , , , , , , , ,								
FEDERAL EMERGENCY MANAGE	EMENT AGENCY, FLOOD INS		RATE MAP, MAP NUMBER						
08041C0756G, EFFECTIVE DATE LOCATED IN ZONE X (AREA FLOODPLAIN).					NO.				
PARKING COUNTS				U					
	PARKING REQUIRED		PARKING PROVIDED		00				
OFF-STREET PARKING	1 BEDROOM: 1.5/DU = 144	-	311 (REGULAR)		ES, INC. 228–230				
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								
	GUEST: $1/3 \text{ DU} = 76$		TOTAL = 455		ssoci <i>i</i> ite 30 (303				
ADA	1/25 SPACES = 19)	21 (INCLUDES 2 ADA GARAGE)		4D AS e, Sui 30903				
BICYCLE PARKING	5% OF REQUIRED STALLS	= 23	23	Ð	RN AN Avenu CO 8				
CONTACTS:					2022 KIMLEY-HORN AND ASSOCIATI 2 North Nevada Avenue, Suite 300 Colorado Springs, CO 80903 (303)				
OWNER: THE GARRETT COMPANIES, INC.	ENGINEER: KIMLEY-HOR	RN AND A	SSOCIATES, INC.		kIMLE h Nev do Sp				
1051 GREENWOOD SPRINGS BLV GREENWOOD, IN 46143 TEL: (317) 497-8275	DENVER, CO TEL: (303)	80237			022 H Nort				
CONTACT: ANDREW WHITE	CONTÀCT: É			DESIGNED					
EL PASO COUNTY: EL PASO COUNTY PCD DEPARTMENT	<u>SURVEYOR:</u> BARRON LAN 2790 N. AC		_VD. SUITE 311	DRAWN BY: CHECKED E	BY: DLS				
2880 INTERNATIONAL CIRCLE, S COLORADO SPRINGS, CO 80910	DATE: 05/2	:3/2022							
PHONE: (719) 520-6300									
PROPERTY OWNER	ACKNOWLEDGEME	<u>ENT</u>							
	E PLANNED UNDER THE NAME XFICATIONS DESIGNATED OR E	E OF CITIZ DESCRIBED	DESCRIBED HEREIN HAVE ZEN ON CONSTITUTION. ALL) ON THIS DOCUMENT SHALL BE						
BINDING ON THE OWNERS, THEI NO CHANGES MAY BE MADE TO			OUT COUNTY APPROVAL MINOR						
CHANGES TO THE SITE DEVELO PLANNING DEPARTMENT. MAJOR	PMENT PLAN MAY BE APPRO	VED ADM	NISTRATIVELY BY THE COUNTY T PLAN, ESPECIALLY DELETIONS						
OF APPROVED ITEMS OR SUBST SAME APPLICATION, REVIEW AN DEVELOPMENT PLAN. ENGINEERI									
APPROVAL.		SF							
IN WITNESS WHEREOF, WE HAVE									
[PROPERTY OWNER]					−vr VE				
NOTARY CERTIFICATE (STATE OF) (COUNTY OF)					CC 5				
THE FOREGOING INSTRUMENT W			DAY OF,		5				
20, BY MY COMMISSION EXPIRES:		LE)		⊨					
ADDRESS OF NOTARY:									
NOTARY PUBLIC									
OWNER/DEVELOPER ST	<u>FATEMENT</u>								
I, THE OWNER/DEVELOPER ACC THE FINAL DEVELOPMENT PLAN	PRELIMI FOR REVIE								
				NOT F CONSTRU					
CITIZEN ON CONSTITUTION, LLC				Kimley-Horn and As	Horn ssociates, Inc.				
BY:				PROJECT	Γ ΝΟ.				
				096481 SHEE					
ADDRESS:	C1								
					.0				
	PCD PROJ		T NUMBER: P	PR-2	2-02				

SIGN PLAN – PCD PLANNING COMMENT RESPONSE



SIGN NOTES AND CALCULATIONS:

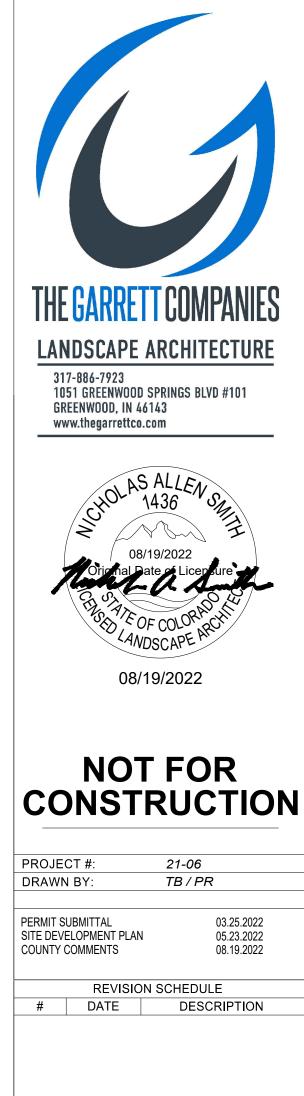
- 1. SIGN LOCATION AND DIMENSIONS ARE TO BE IN ACCORDANCE WITH LAND DEVELOPMENT CODE,
- 2. SIGNS SHALL NOT ENCROACH ON PUBLIC PROPERTY OR THE PUBLIC RIGHT OF WAY.
- 3. SIGNS SHALL BE LOCATED AS TO NOT BLOCK SIGHT VISIBILITY ANGLES, AND SHALL NOT ENCROACH
- ON ANY UTILITY OR DRAINAGE EASEMENTS.
- 4. UP TO TWO (2) SIGNS INDICATING THE NAME OF THE DEVELOPMENT SHALL BE ALLOWED AT EACH
- 5. LOW-PROFILE SIGNS SHALL BE PROVIDED, NOT EXCEEDING 40 SQ FT IN AREA OR 6-FT IN HEIGHT. SIGN AREA IS MEASURED BY THE HEIGHT AND WIDTH OF THE SIGN FACE, ITSELF AND DOES NOT INCLUDE THE SUPPORTING BASE OR STRUCTURE.
- SIGN HEIGHT SHALL BE MEASURED TO THE TOP OF THE MAIN SIGN FACE AND SUPPORTING
- 6. SIGN SHALL BE LOCATED NO CLOSER THAN 25' FROM THE ADJACENT RIGHT OF WAY.

SIGN CALCULATIONS:

SIGN AREA: 2'-6" HEIGHT X 9'-0" WIDTH = 27 SQUARE FEET

- 1. REVERSE-CHANNEL LETTERING SHALL UTILIZE L.E.D. BACKLIGHTING WITH A CONSTANT LIGHT SOURCE TO AVOID FLICKERING OR STROBE EFFECT.
- 2. SIGN COLUMNS AND BASE SHALL BE ILLUMINATED USING EXTERNAL DIRECTIONAL LIGHTING TO ACCENT MATERIALS AND FINISHES; LIGHTING SHALL BE SHIELDED AND DIRECTED TO AVOID ANY SPILL OVER OR GLARE TO ADJACENT R.O.W. OR RESIDENCES.
- 3. PER LDC SECTION 6.2.3, NO LIGHT SHALL EXCEED 10 FOOT CANDLES AGAINST ANY PORTION OF THE SIGN STRUCTURE OR PANEL.
- 4. SECONDARY LIGHT SOURCES SHALL PROVIDE A LIGHT WASH ALONG THE STONE VENEER AND COLUMNS TO ACCENT SIGNAGE STRUCTURE. LIGHT FIXTURES SHALL BE SHIELDED FROM STREETS AND SIDEWALKS TO ELIMINATE GLARE OR "SPILL OVER" LIGHTING.
- 5. LIGHT SOURCES SHALL BE CONTROLLED VIA A PHOTO-CELL OR DIGITAL TIMER TO MAXIMIZE





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SIGN DETAILS

L701