

COLORADO RIVER INDIAN TRIBES

PROJECT PLANS

CALIFORNIA PUBLIC UTILITY COMMISSION CONSTRUCTION PHASE II FTTP STAKING SHEETS - BLYTHE



PROPOSED
PROJECT AREA



VICINITY MAP
N.T.S.

SHEET INDEX

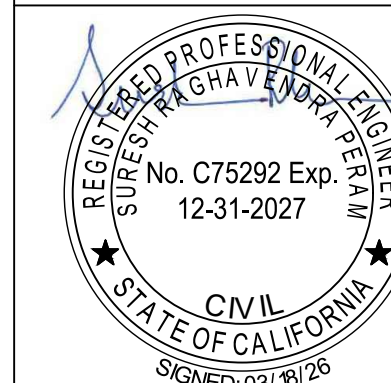
SHEET #

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A			
NO	REVISION	NO	DATE

PROJECT NO. 25.03.01

COLORADO RIVER INDIAN TRIBES
CALIFORNIA PUBLIC UTILITY COMMISSION
EQUITY & ACCESS GRANT DESIGN PLANS

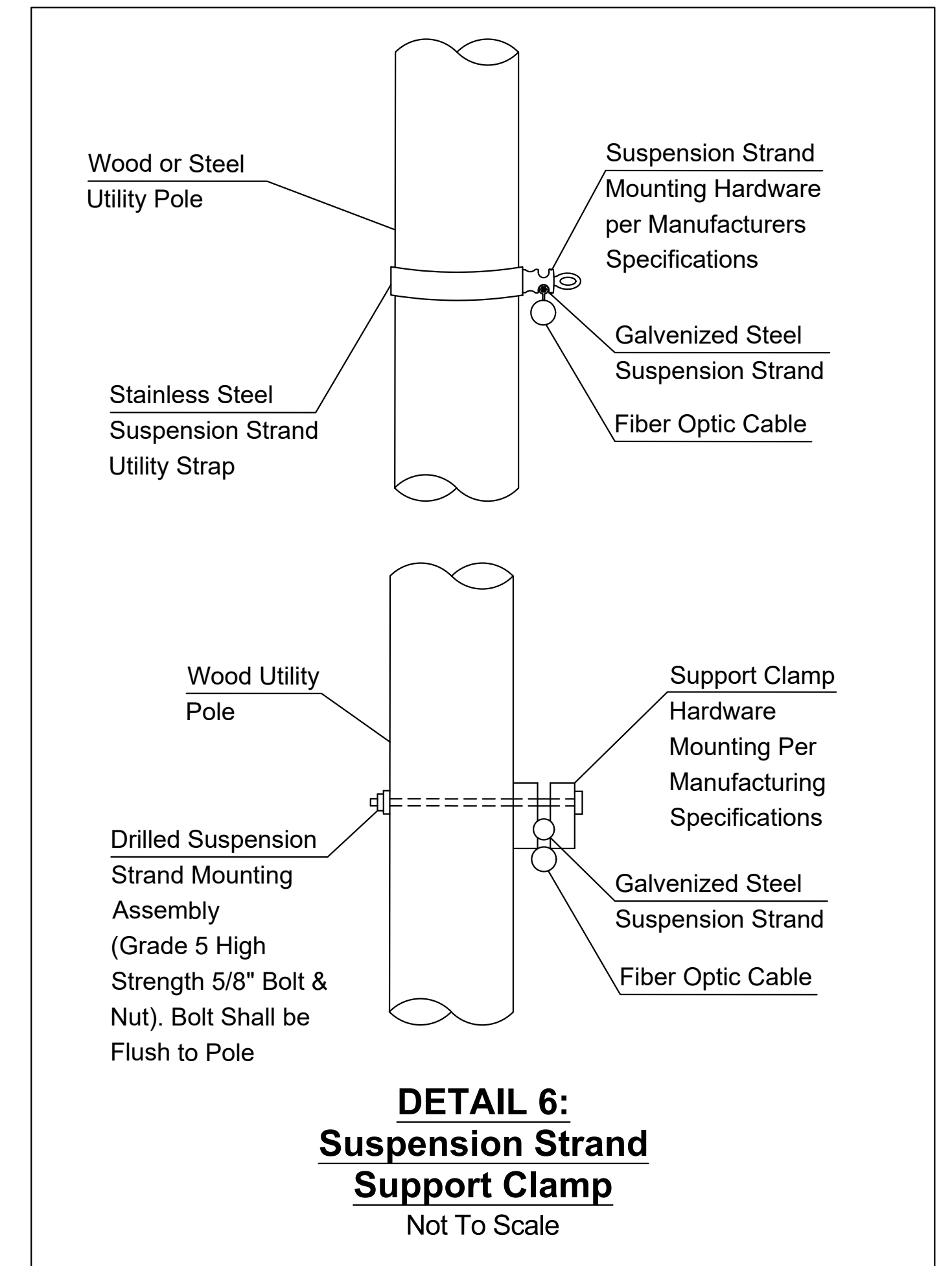
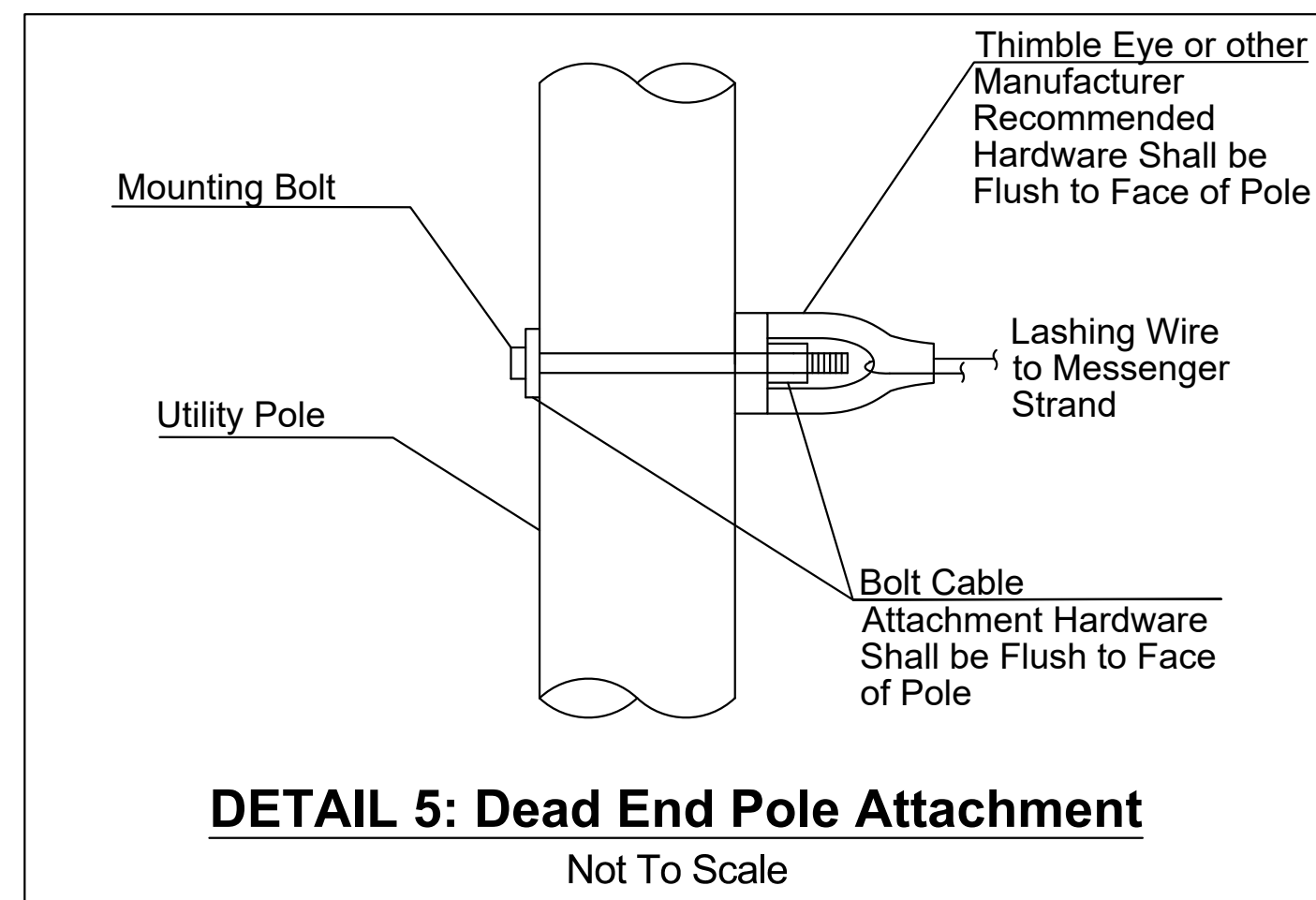
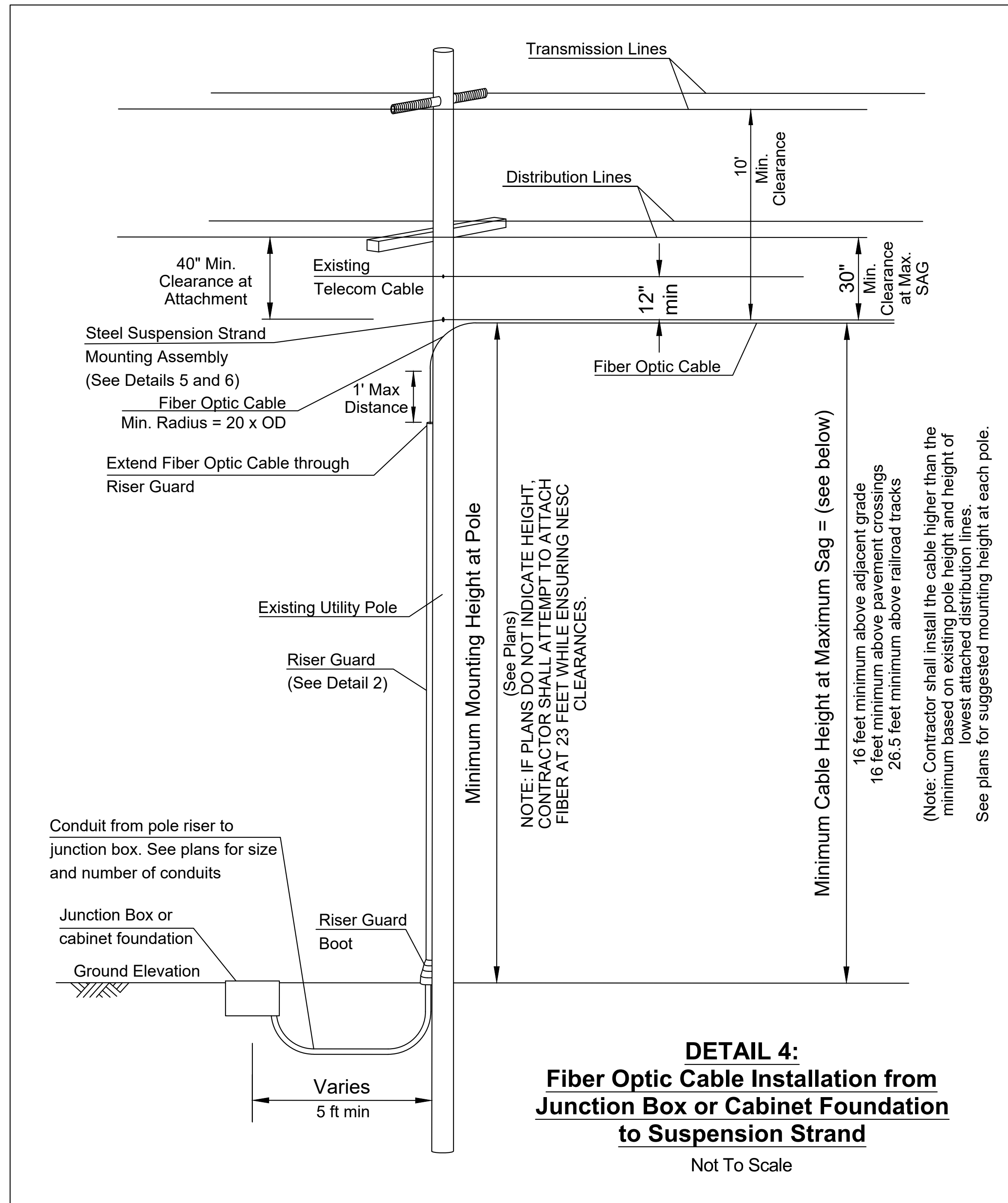
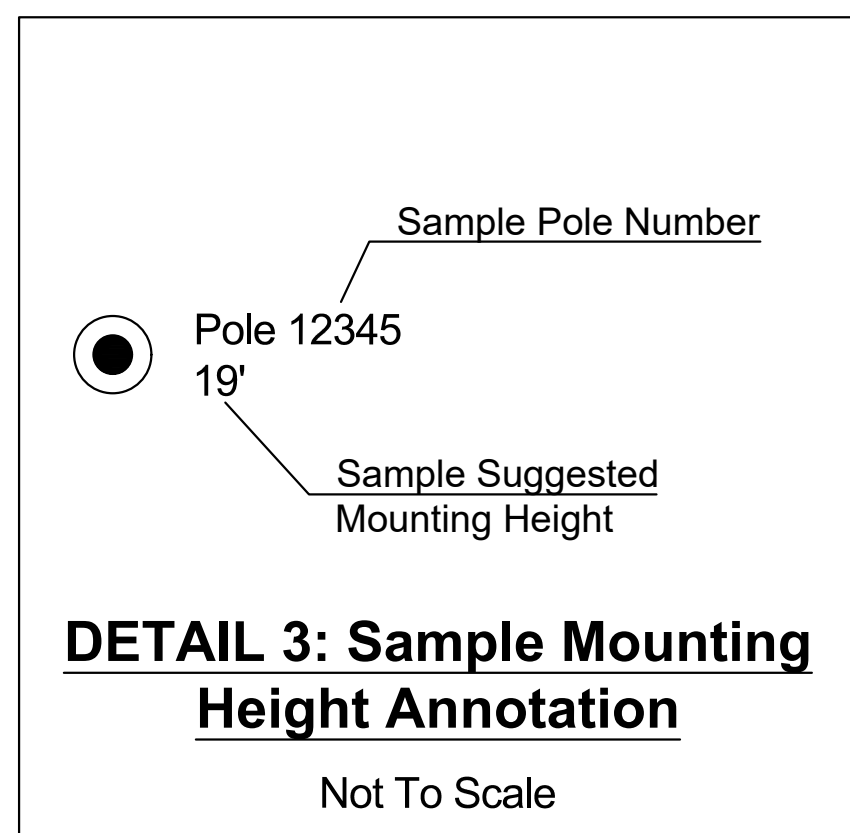
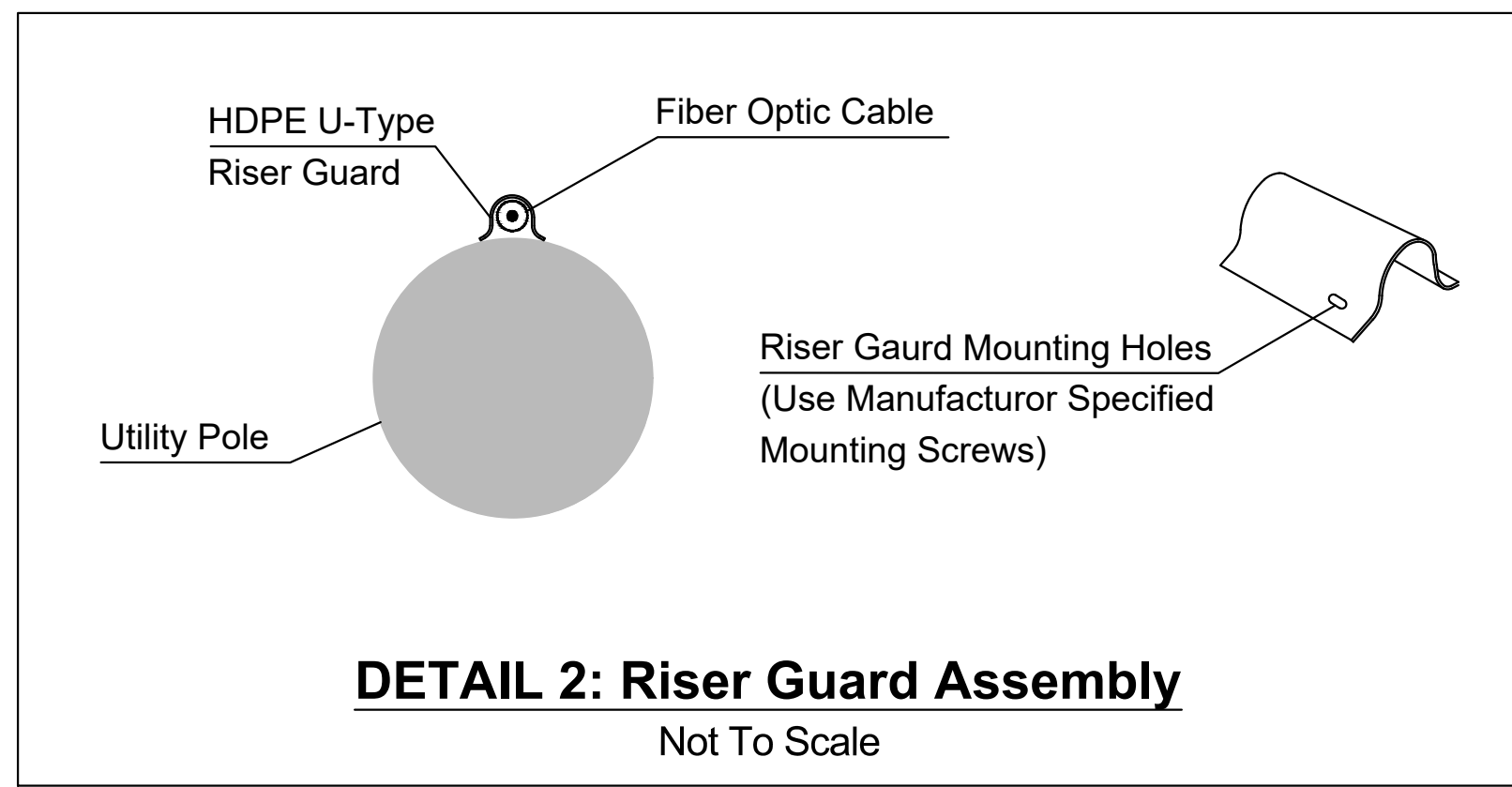
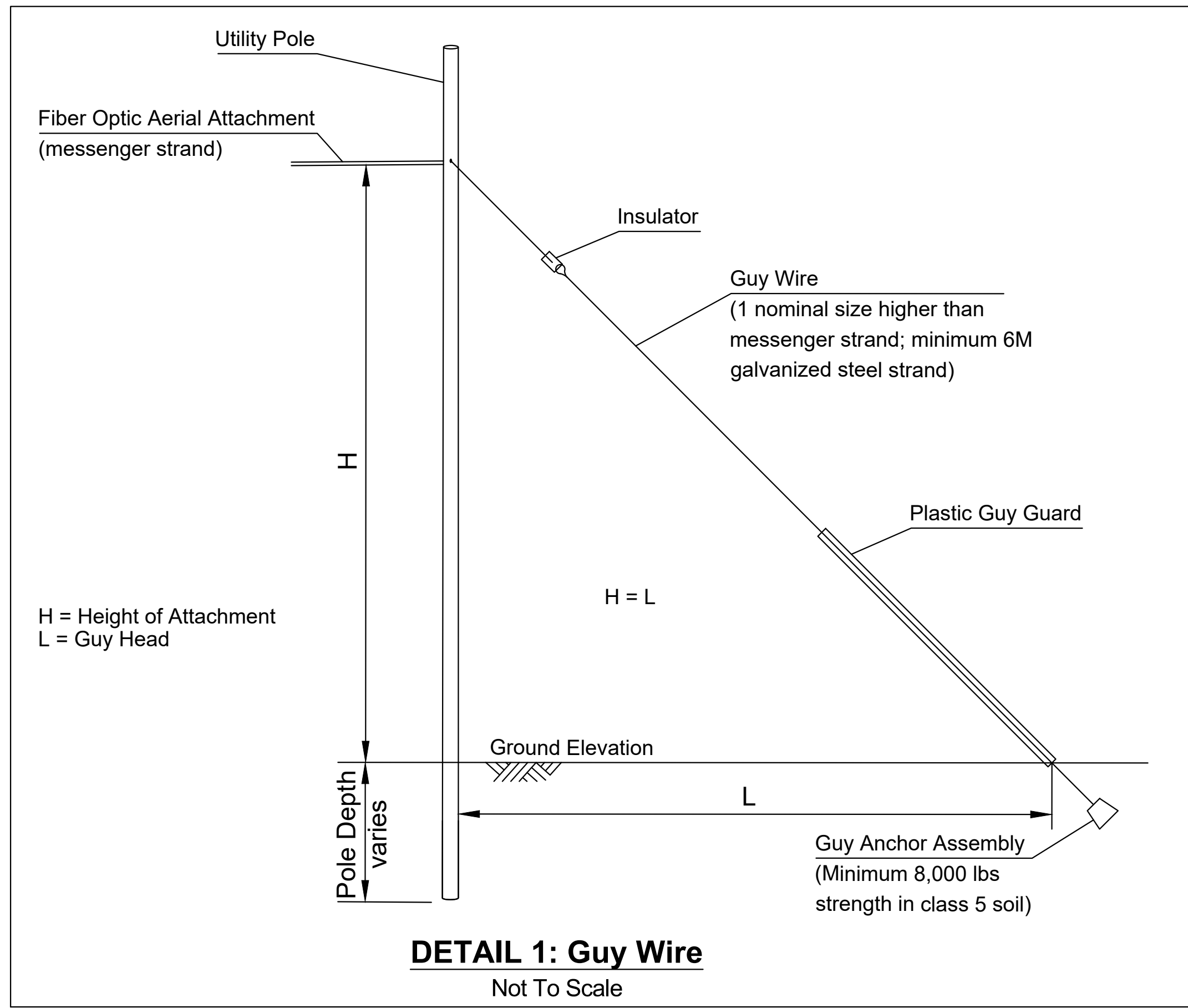


	BY	DATE
DESIGNED	AE	3/18/2026
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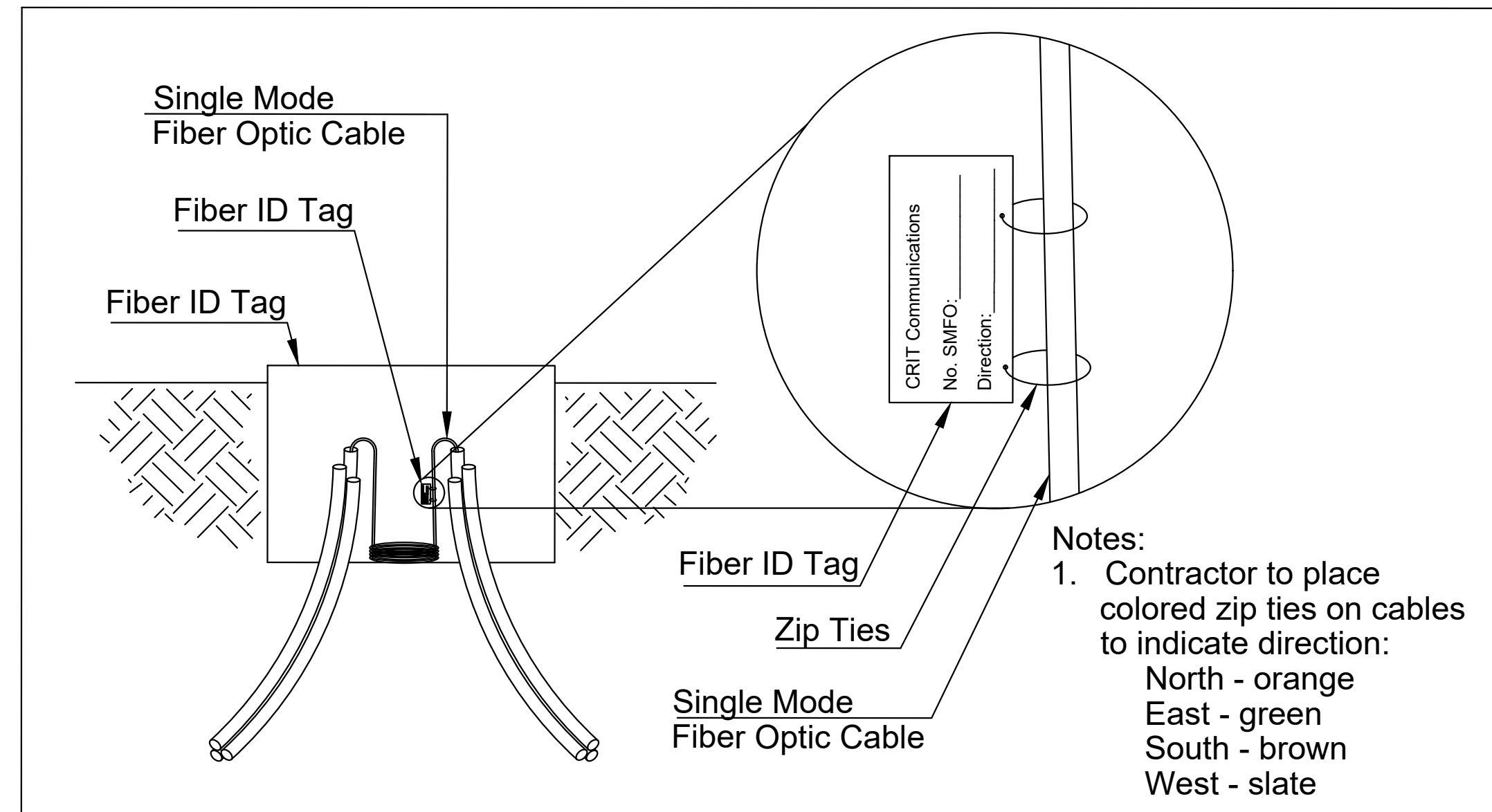


8655 E. VIA DE VENTURA
SUITE E-140
SCOTTSDALE, AZ 85258
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COVER SHEET



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COLORADO RIVER INDIAN TRIBES CALIFORNIA PUBLIC UTILITY COMMISSION EQUITY & ACCESS GRANT DESIGN PLANS			
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		8655 E. VIA DE VENTURA SUITE E-140 SCOTTSDALE, AZ 85258 602-550-4295 admin@ackermanacg.com	
DETAILS			CPUC-D1



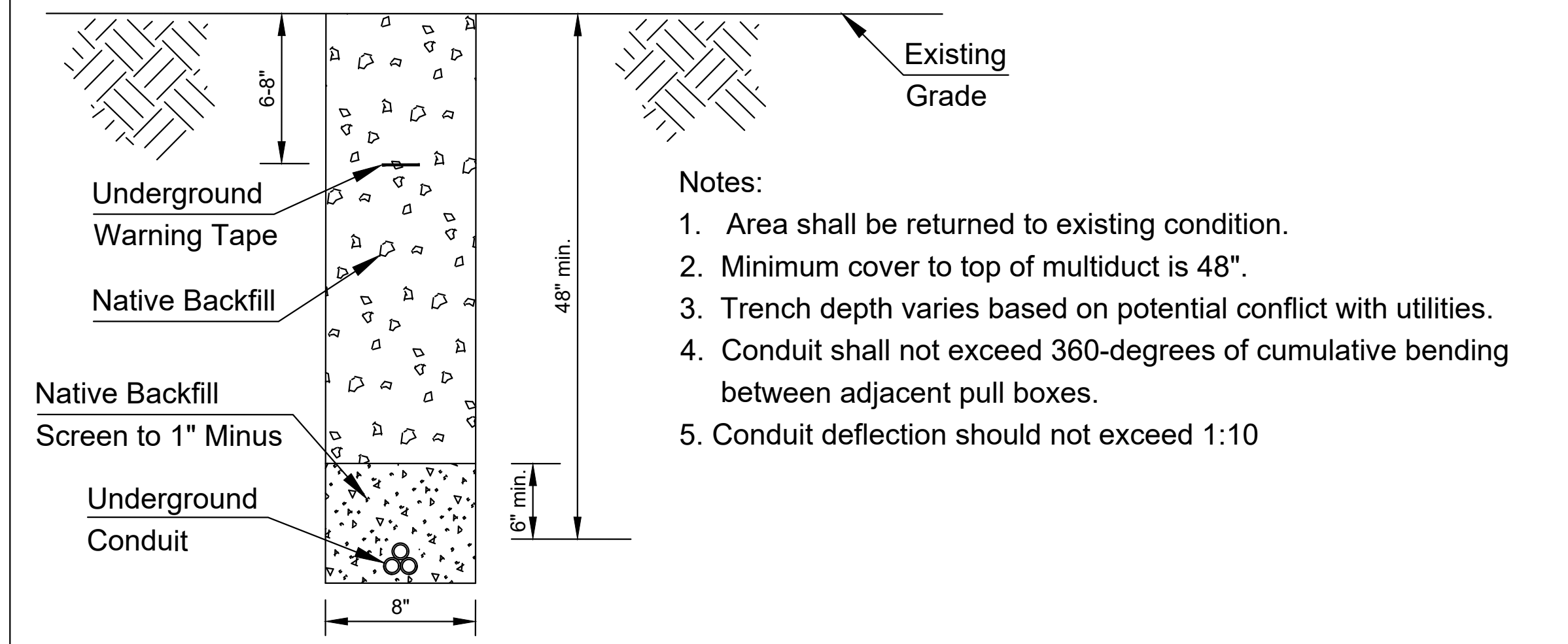
DETAIL 7: Typical Fiber ID Tag

Not To Scale

- Notes:
- Contractor to place colored zip ties on cables to indicate direction:
 North - orange
 East - green
 South - brown
 West - slate

Boring Note:

All conduit installed under pavement, driveways, sidewalk, and roadside drainage features shall be directionally drilled and shall maintain 48" minimum clearance from top of multiduct to existing grade. Exact Location of bore pits shall be determined by the contractor during construction. All conduits to be installed by trenching shall follow the trenching detail on these plans.



DETAIL 8: Trenching

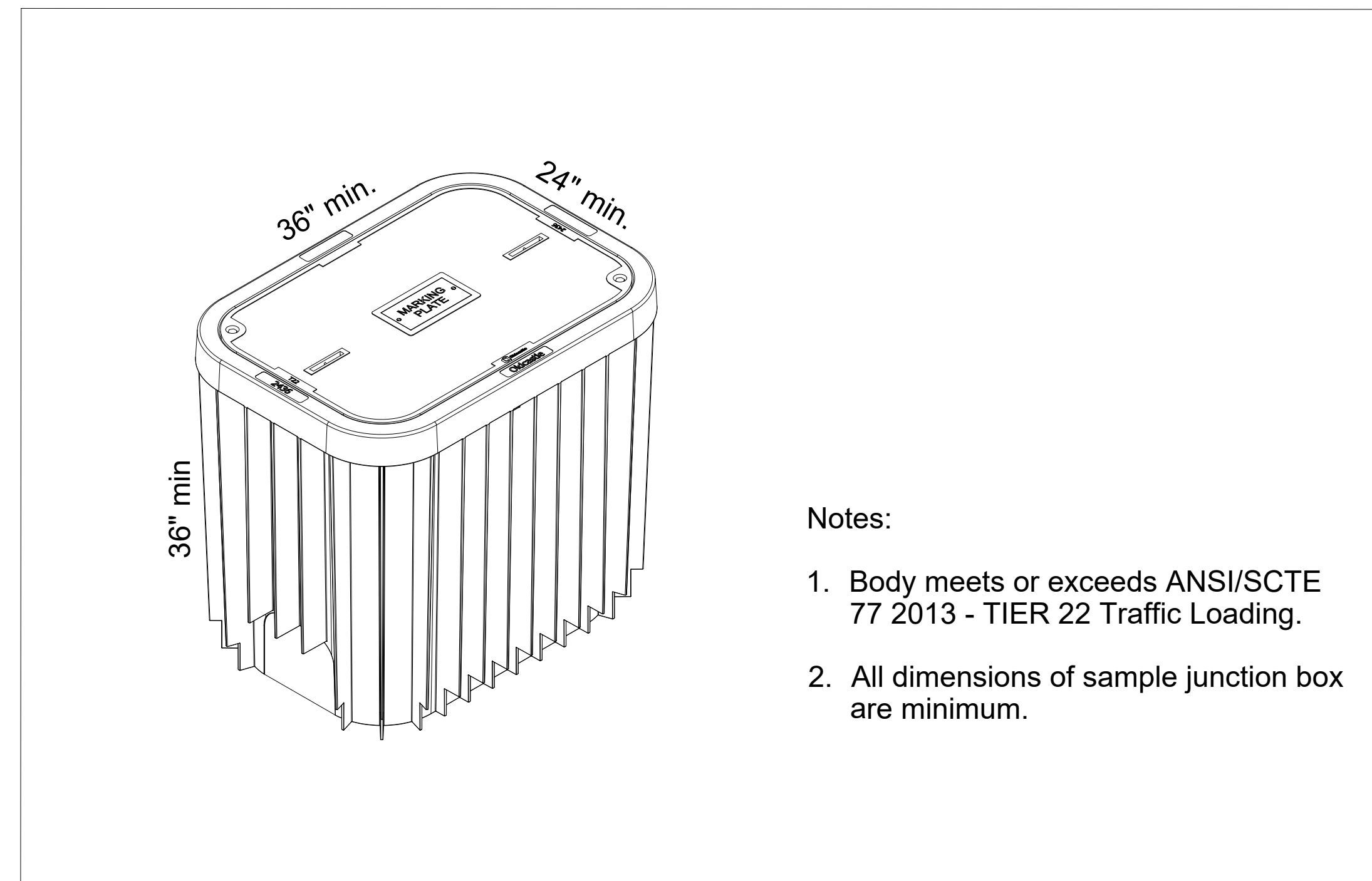
Not To Scale

Notes:

- Area shall be returned to existing condition.
- Minimum cover to top of multiduct is 48".
- Trench depth varies based on potential conflict with utilities.
- Conduit shall not exceed 360-degrees of cumulative bending between adjacent pull boxes.
- Conduit deflection should not exceed 1:10

INSTALLATION NOTES

- Nominal hand hole dimensions shall be 24" x 36" x 36" deep, unless otherwise approved by the engineer. Junction box and lid shall be at least tier 22 rated.
- Any impact to pavement, sidewalk, or landscaping shall be replaced in kind by Contractor. Contractor shall replace whole sidewalk panel disturbed by construction.



DETAIL 9: Sample Hand Hole

Not To Scale

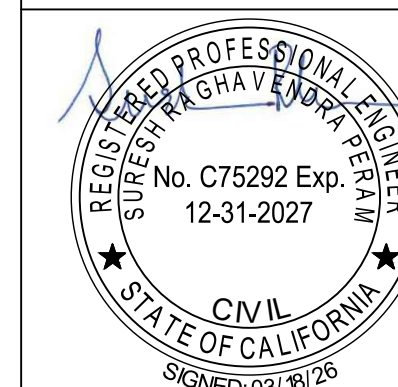
Notes:

- Body meets or exceeds ANSI/SCTE 77 2013 - TIER 22 Traffic Loading.
- All dimensions of sample junction box are minimum.

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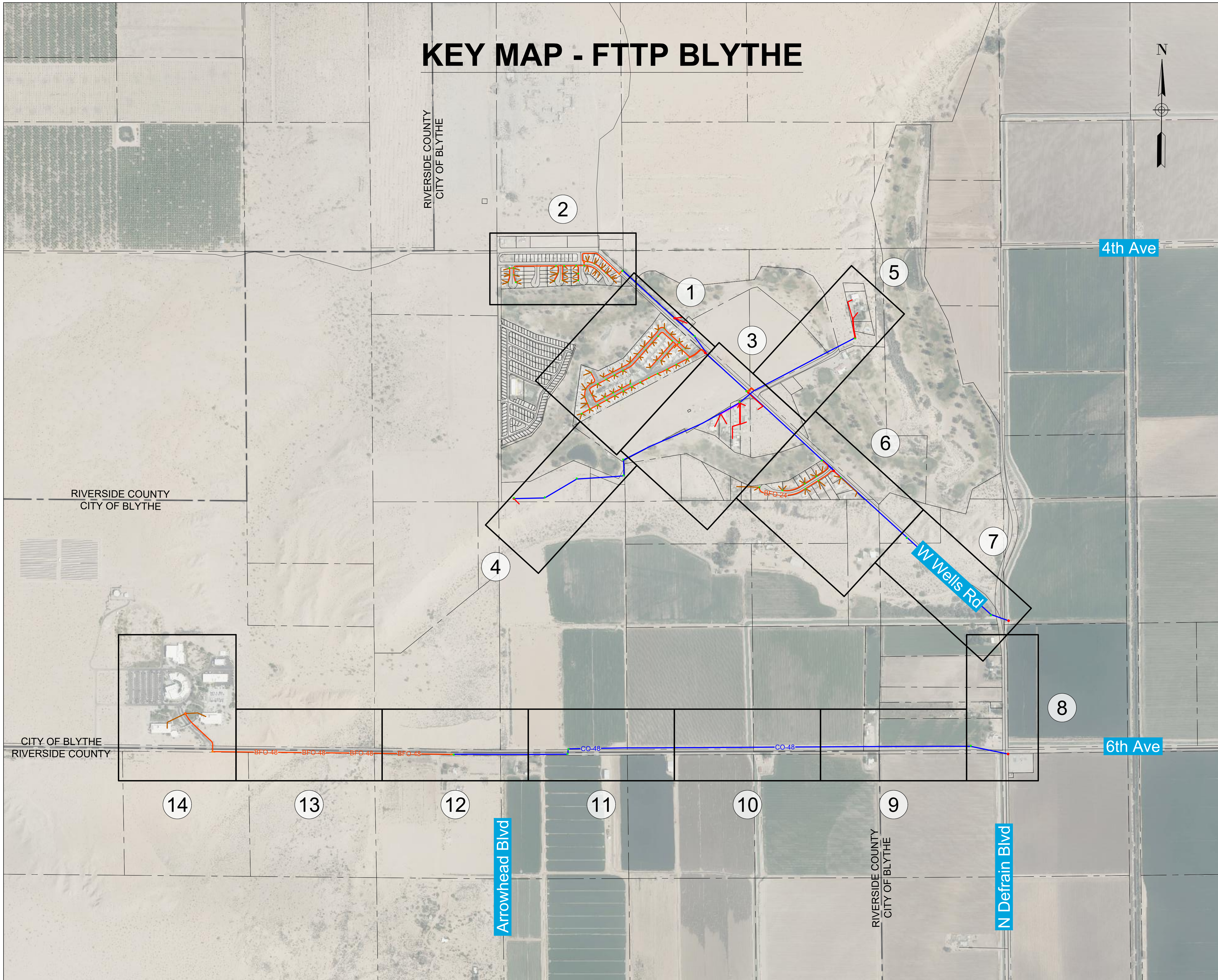


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DETAILS

CPUC-D2

KEY MAP - FTTP BLYTHE



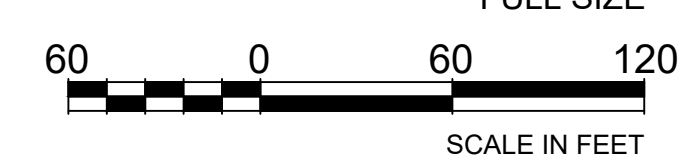
LEGEND

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- 4HST 4 Port HST Cable
- 6HST 6 Port HST Cable
- BFO-1 Buried Fiber Optic Drop Cable (BFO1)
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- Pedestal
- PON Cabinet
- Aerial Slack Loop
- Splice Case
- Grounding Unit
- Hardened Service Terminal (HST)

UTILITY CAUTION:

Limited utility information available. Existing utilities are assumed to be in close proximity. Contractor shall blue stake and protect existing utilities in place.

SCALE: Hor=1"=60'
FULL SIZE



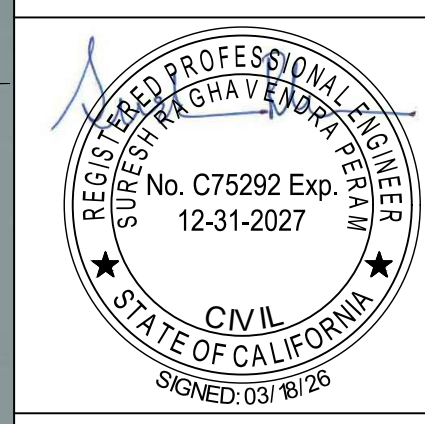
RIGHT-OF-WAY NOTE:

Right-of-way information downloaded from Riverside County, San Bernardino County, and CalTrans.

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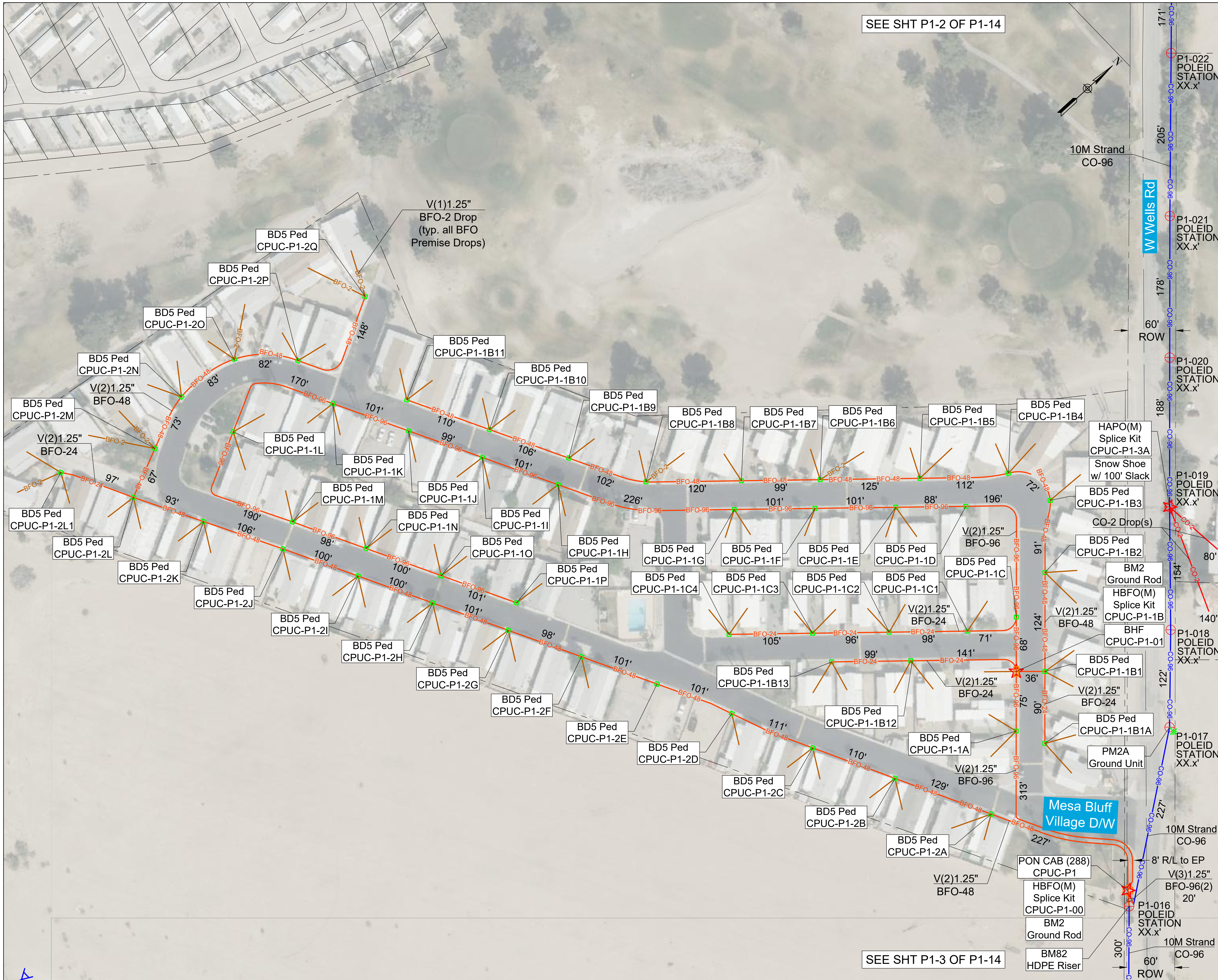
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SEE SHT P1-2 OF P1-14

SEE SHT P1-3 OF P1-14

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FULL SIZE

SCALE IN FEET

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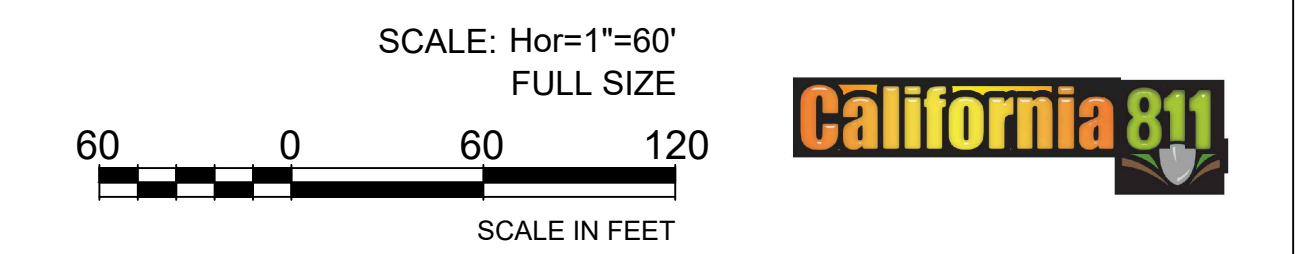
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HH NO.	BHF 24X36X36	BD5 PED	POLE	ADDED FIBER ITEM	PON CABINET	1:64 SPLITTER	HAPO(M): AERIAL FOSC 450B	HBFO(M): BURIED FOSC 450B	BM2	V(3)1.25"	V(2)1.25"	BFO-96	BFO-48	BFO-24	BM82 HDPE RISER	PM2A GROUND	10M STRAND	CO-96	CO-48	SNOW SHOE	PE1-3	PF1-5	PM11	BFO PREMISE DROP	CO PREMISE DROP	ONT	NID
CPUC-P1	1			SLACK	1	5		1	1			150	50														
P1-1A		1		SLACK						313	337													2		2	2
P1-01	1			SLACK				1	1	75	175	50	50											1		1	1
P1-1C		1		SLACK						68	92																
P1-1D		1		SLACK						196	220																
P1-1E		1		SLACK						88	112													2		2	2
P1-1F		1		SLACK						101	125													1		1	1
P1-1G		1		SLACK						101	125													2		2	2
P1-1H		1		SLACK						226	250													2		2	2
P1-1I		1		SLACK						101	125													2		2	2
P1-1J		1		SLACK						99	123													1		1	1
P1-1K		1		SLACK						101	125													2		2	2
P1-1L		1		SLACK						170	194													2		2	2
P1-1M		1		SLACK						190	214													2		2	2
P1-1N		1		SLACK						98	122													2		2	2
P1-1O		1		SLACK						100	124													2		2	2
P1-1P		1		SLACK						101	125													1		1	1
P1-1B1		1		SLACK						36		60	24											2		2	2
P1-1B2		1		SLACK						124		148												2		2	2
P1-1B3		1		SLACK						91		115												1		1	1
P1-1B4		1		SLACK						72		96												2		2	2
P1-1B5		1		SLACK						112		136												2		2	2
P1-1B6		1		SLACK						125		149												2		2	2
P1-1B7		1		SLACK						99		123												1		1	1
P1-1B8		1		SLACK						120		144												2		2	2
P1-1B9		1		SLACK						102		126												1		1	1
P1-1B10		1		SLACK						106		130												2		2	2
P1-1B11		1		SLACK						110		134												2		2	2
P1-1B12		1		SLACK						141			165											2		2	2
P1-1B13		1		SLACK						99		123												2		2	2
P1-1B1A		1		SLACK						90		114												2		2	2
P1-1C1		1		SLACK						71		95												1		1	1
P1-1C2		1		SLACK						98		122												2		2	2
P1-1C3		1		SLACK						96		120												2		2	2
P1-1C4		1		SLACK						105		129												2		2	2
P1-2A		1		SLACK						227		251												2		2	2
P1-2B		1		SLACK						129		153												2		2	2
P1-2C		1		SLACK						110		134												2		2	2
P1-2D		1		SLACK						111		135												1		1	1
P1-2E		1		SLACK						101		125															
P1-2F		1		SLACK						101		125												1		1	1
P1-2G		1		SLACK						98		122												2		2	2
P1-2H		1		SLACK						101		125												2		2	2
P1-2I		1		SLACK						100		124												2		2	2
P1-2J		1		SLACK						100		124												1		1	1
P1-2K		1		SLACK						106		130												2		2	2
P1-2L		1		SLACK						93		117	24											2		2	2
P1-2M		1		SLACK						67		91												2		2	2
P1-2N		1		SLACK						73		97												2		2	2
P1-2O		1		SLACK						83		107												2		2	2
P1-2P		1		SLACK						82		106												2		2	2
P1-2Q		1		SLACK						148		172												2		2	2
P1-2L1		1		SLACK						97			121											3		3	3
			P1-016	RISER					20		40			1			50										
			P1-017												1		227	227									
			P1-018														122	122									
			P1-019	SLACK			1										154	254			2			2		2	2
			P1-020														188	188									
			P1-021														178	178									
			P1-022														205	205									
TOTAL	2	51			1	5	1	2	2	20	5852	2778	4165	621	1	1	1074	1224	0	2	0	0	0	88	2	90	90

LEGEND

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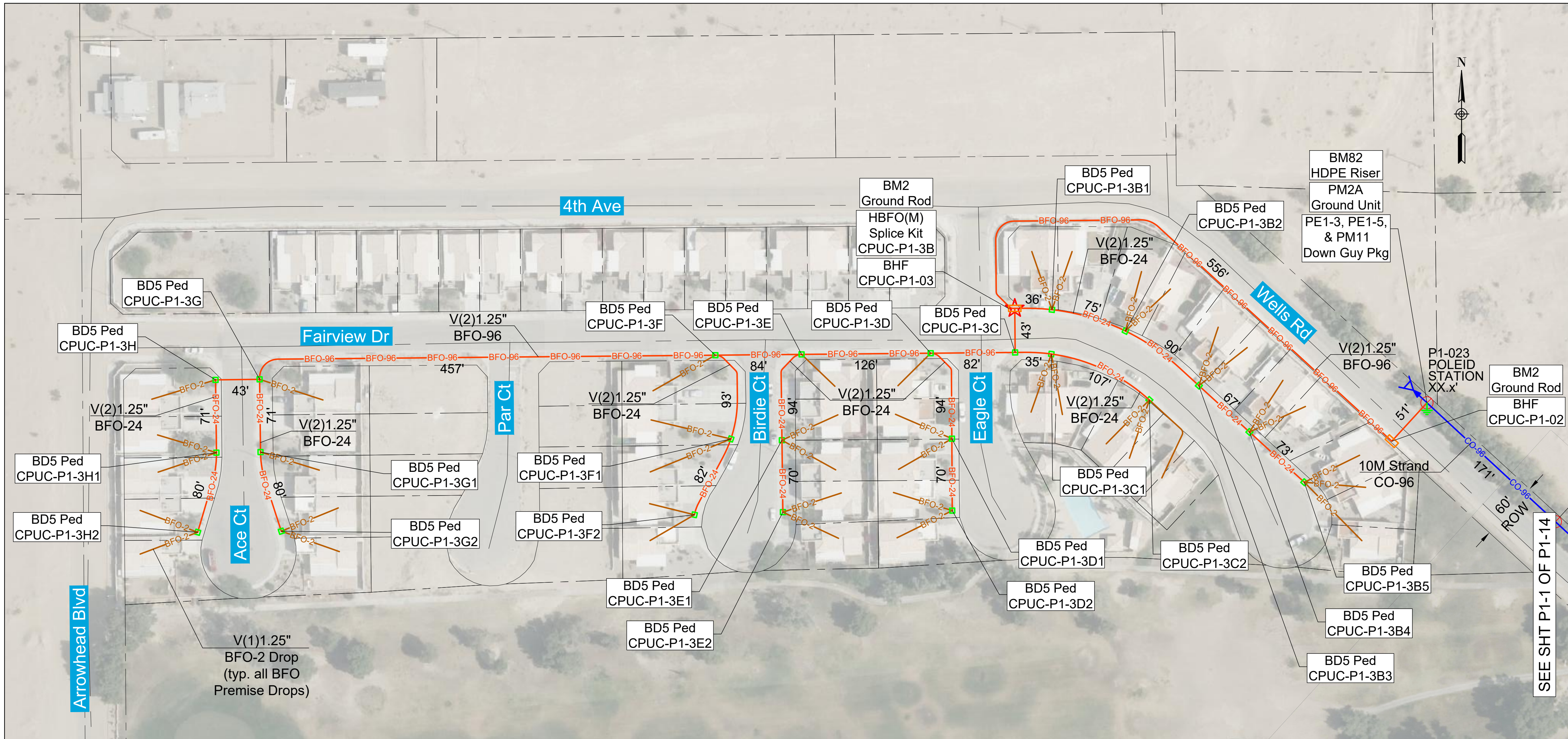
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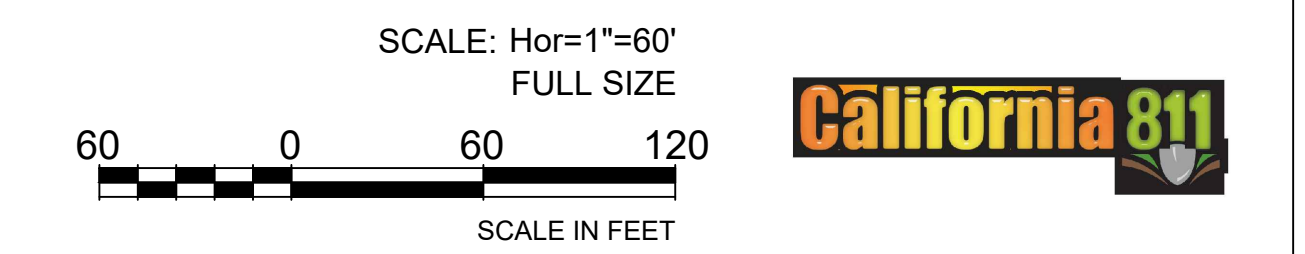
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P1-02	1		P1-023	SLACK				1	51	151				1	1	171	196				1	1	1				
P1-03	1			SLACK			1	1	556	656		50															
P1-3C		1		SLACK					43	67		12															
P1-3D		1		SLACK					82	106		12														1	1
P1-3E		1		SLACK					126	150		12														1	1
P1-3F		1		SLACK					84	108		12														1	1
P1-3G		1		SLACK					457	481		12														1	1
P1-3H		1		SLACK					43	67		12														1	1
P1-3B1		1		SLACK					36	60		2														2	2
P1-3B2		1		SLACK					75	99		2														2	2
P1-3B3		1		SLACK					90	114		2														2	2
P1-3B4		1		SLACK					67	91		2														2	2
P1-3B5		1		SLACK					73	97		2														2	2
P1-3C1		1		SLACK					35	59		2														2	2
P1-3C2		1		SLACK					107	131		2														2	2
P1-3D1		1		SLACK					94	118		2														2	2
P1-3D2		1		SLACK					70	94		2														2	2
P1-3E1		1		SLACK					94	118		2														2	2
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P1-3F2		1		SLACK					82	106		2														2	2
P1-3G1		1		SLACK					71	95		1														1	1
P1-3G2		1		SLACK					80	104		2														2	2
P1-3H1		1		SLACK					71	95		2														2	2
P1-3H2		1		SLACK					80	104		2														2	2
TOTAL	2	23			0	0	1	2	0	2730	1786	0	1818	1	1	171	196	0	0	0	1	1	1	40	0	40	40

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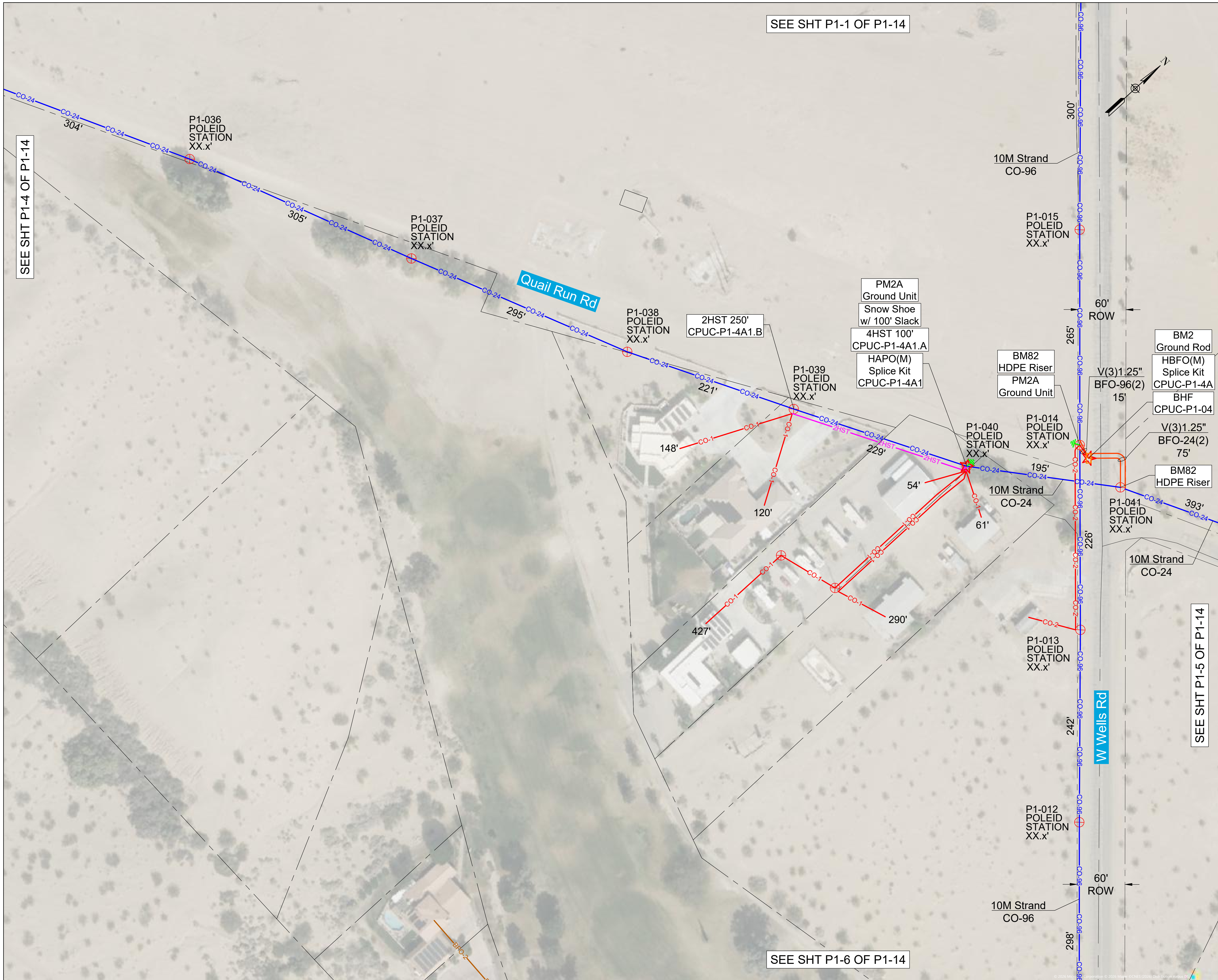
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SEE SHT P1-1 OF P1-14

SEE SHT P1-4 OF P1-14

SEE SHT P1-5 OF P1-14

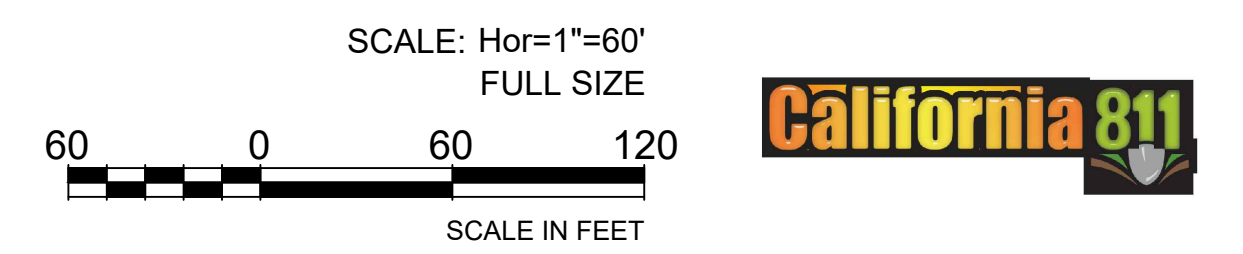
SEE SHT P1-6 OF P1-14

LEGEND

- 2HST 2 Port HST Cable
- 4HST 4 Port HST Cable
- 6HST 6 Port HST Cable
- BFO-1 Buried Fiber Optic Drop Cable (BFO1)
- BFO-2 Buried Fiber Optic Drop Cable (BFO2)
- BFO-12 Buried Fiber Optic Cable (BFO12)
- BFO-24 Buried Fiber Optic Cable (BFO24)
- BFO-48 Buried Fiber Optic Cable (BFO48)
- BFO-96 Buried Fiber Optic Cable (BFO96)
- BFO-144 Buried Fiber Optic Cable (BFO144)
- BFO-288 Buried Fiber Optic Cable (BFO288)
- CO-1 Aerial Fiber Optic Drop Cable (CO1)
- CO-2 Aerial Fiber Optic Drop Cable (CO2)
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- CO-144 Aerial Fiber Optic Cable (CO144)
- CO-288 Aerial Fiber Optic Cable (CO288)
- Utility Pole
- Down Guy & Anchor
- Pedestal
- PON Cabinet
- Aerial Slack Loop
- Splice Case
- Grounding Unit
- Hardened Service Terminal (HST)

UTILITY CAUTION:

Limited utility information available. Existing utilities are assumed to be in close proximity. Contractor shall blue stake and protect existing utilities in place.



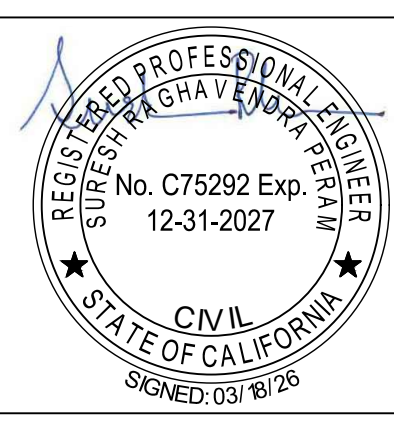
RIGHT-OF-WAY NOTE:

Right-of-way information downloaded from Riverside County, San Bernardino County, and CalTrans.

C			
B			
A			
NO	REVISION	NO	DATE

PROJECT NO. 25.03.01

**COLORADO RIVER INDIAN TRIBES
CALIFORNIA PUBLIC UTILITY COMMISSION
EQUITY & ACCESS GRANT DESIGN PLANS**



	BY	DATE
DESIGNED	AE	3/18/2026
DRAWN	RS/JB	3/18/2026
CHECKED	TK/SP	3/18/2026

8655 E. VIA DE VENTURA
SUITE E-140
SCOTTSDALE, AZ 85258
602-550-4295
admin@ackermanacg.com

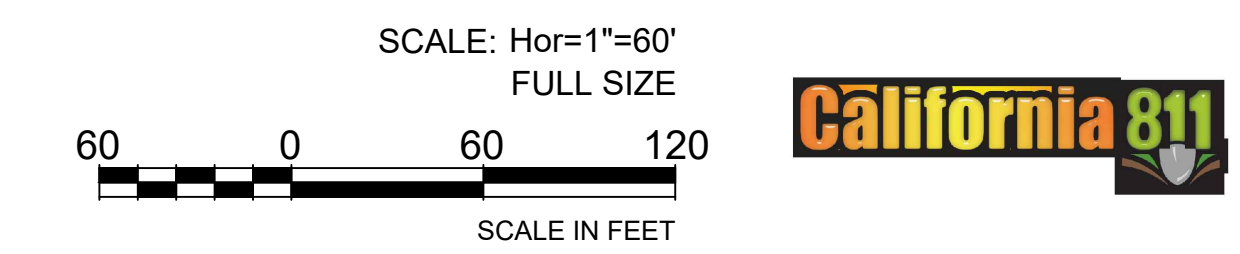


HH NO.	BHF 24X36X36	BD5 PED	POLE	ADDED FIBER ITEM	HAPO(L): AERIAL FOSC 450D	HAPO(M): AERIAL FOSC 450B	HBFO(M): BURIED FOSC 450B	BM2	V(3)1.25"	V(2)1.25"	BFO-96	BFO-24	BM82 HDPE RISER	PM2A GROUND	10M STRAND	CO-96	CO-24	SNOW SHOE	PE1-3	PF1-5	PM11	2HST 250'	4HST 100'	BFO PREMISE DROP	CO PREMISE DROP	ONT	NID
			P1-015												300	300											
			P1-014									1	1	265	265										1	1	1
				RISER											50												
			P1-013												226	226											
			P1-012												242	242											
P1-04	1						1	1	15		30																
				SLACK							100	100															
			P1-041						75			150	1														
				RISER													50										
			P1-040			1								1	195	195		2					1		4	4	4
				SLACK																							
			P1-039												229	229						1			2	2	2
			P1-038												221	221											
			P1-037												295	295											
			P1-036												305	305											
TOTAL	1	0			0	1	1	1	90	0	130	250	2	2	2278	1083	1395	2	0	0	0	1	1	0	7	7	7

LEGEND

- 2 Port HST Cable
- 4 Port HST Cable
- 6 Port HST Cable
- Buried Fiber Optic Drop Cable (BFO1)
- Buried Fiber Optic Drop Cable (BFO2)
- Buried Fiber Optic Cable (BFO12)
- Buried Fiber Optic Cable (BFO24)
- Buried Fiber Optic Cable (BFO48)
- Buried Fiber Optic Cable (BFO96)
- Buried Fiber Optic Cable (BFO144)
- Buried Fiber Optic Cable (BFO288)
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- Aerial Fiber Optic Drop Cable (CO2)
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 CALIFORNIA PUBLIC UTILITY COMMISSION
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	CHECKED	TK/SP	3/18/2026

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 SUITE E-140
 SCOTTSDALE, AZ 85258
 602-550-4295
 admin@ackermanacg.com



LEGEND

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			P1-035												1	304			304		2	2	2				
			P1-034												1	167			167		2	2	2				
			P1-033													88			88								
			P1-032												1	407			407		2	2	2				
			P1-031												1	389			389		2	2	2				
			P1-030			1									1	323			323	2	1	1	1		1	1	1
				SLACK															100								
TOTAL	0	0			0	1	0	0	0	0	0	0	0	0	5	1678	0	0	1778	2	9	9	9	0	1	1	1

SCALE: Hor=1"=60'
 FULL SIZE

 SCALE IN FEET

RIGHT-OF-WAY NOTE:
 Right-of-way information downloaded from Riverside County, San Bernardino County, and CalTrans.

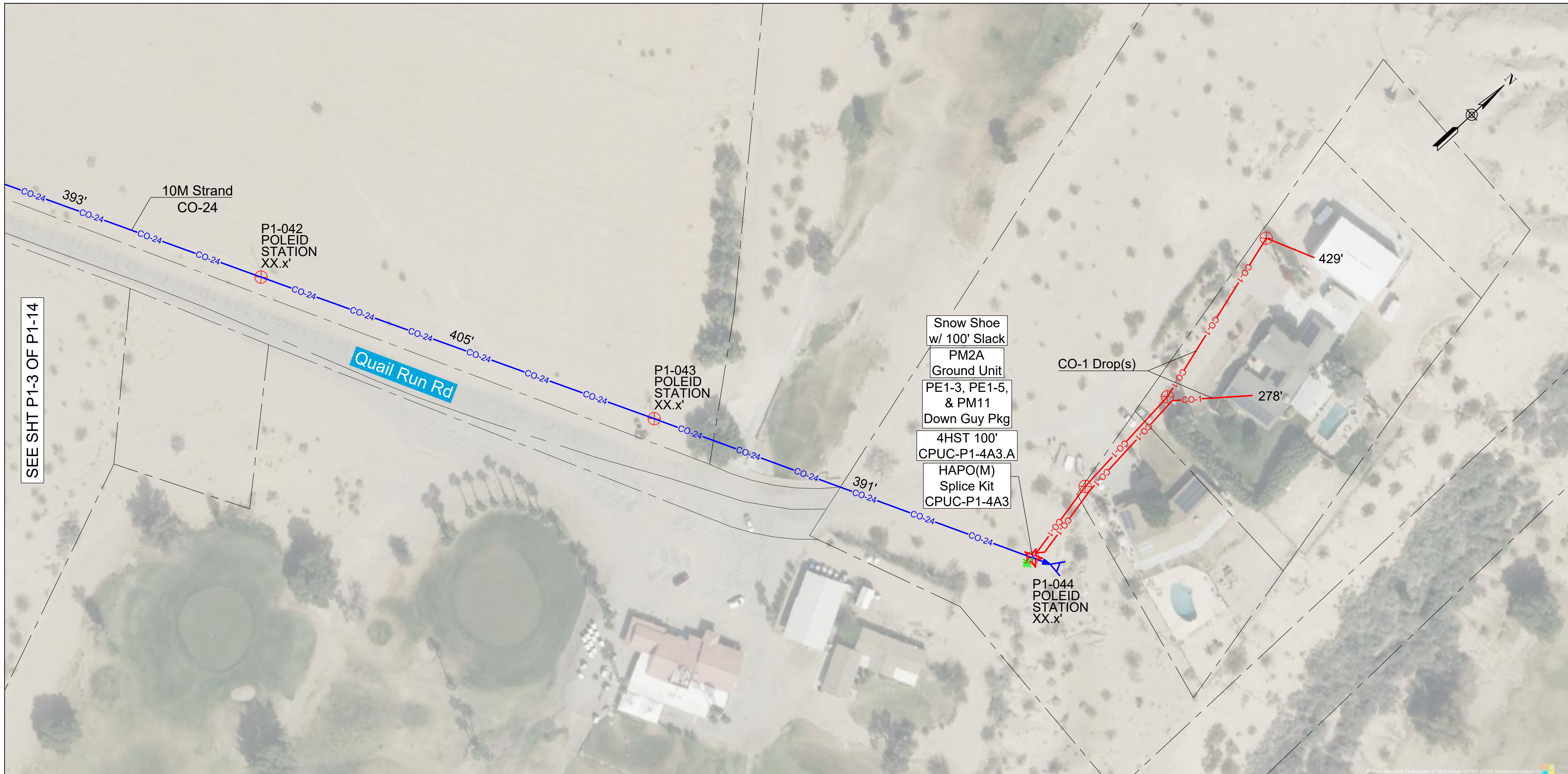
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 CALIFORNIA PUBLIC UTILITY COMMISSION
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8655 E. VIA DE VENTURA
 SUITE E-140
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 602-550-4295
 admin@ackermancg.com



SEE SHT P1-3 OF P1-14

LEGEND

- 2HST 2 Port HST Cable
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- 6HST 6 Port HST Cable
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			P1-042												393			393										
			P1-043												405			405										
			P1-044			1							1	1	391			391	2	1	1	1	1		2	2	2	
				SLACK														100										
TOTAL	0	0			0	1	0	0	0	0	0	0	1	1189	0	0	1289	2	1	1	1	1	0	2	2	2		

SCALE: Hor=1"=60'
FULL SIZE

SCALE IN FEET

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EQUITY & ACCESS GRANT DESIGN PLANS**

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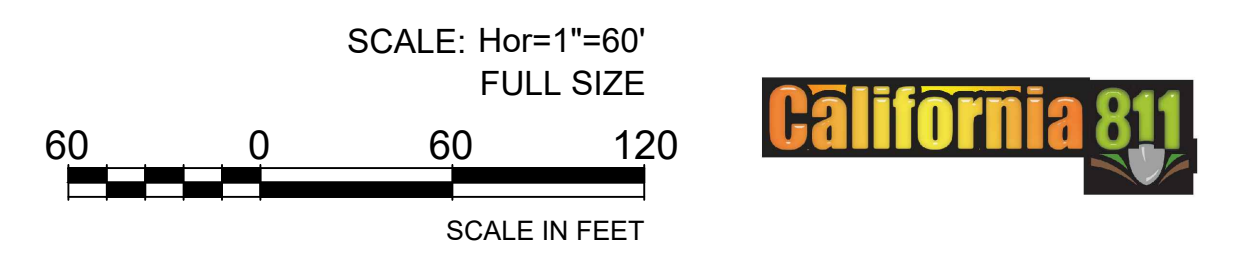


LEGEND

- 2HST 2 Port HST Cable
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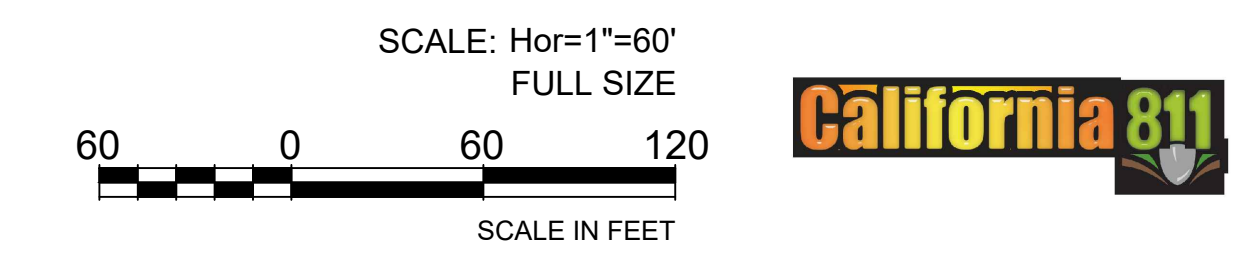
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			P1-011													298	298										
			P1-010										1	1	294	294											
				RISER															25								
P1-4B1		1							260			260												3		3	3
				SLACK								24															
P1-4B2		1							142			142												2		2	2
				SLACK								24															
P1-4B3		1							251			251												2		2	2
				SLACK								24															
			P1-009			1							1		170	170			170	2							
				SLACK															100								
				RISER															50								
P1-4B4		1							101			101												3		3	3
				SLACK								24															
P1-4B5		1							196			196												2		2	2
				SLACK								24															
P1-4B6		1							160			160												2		2	2
				SLACK								24															
P1-4B7		1							534			534												2		2	2
				SLACK								24															
			P1-008													136	136										
			P1-007													299	299										
			P1-006													302	302										
TOTAL	0	7			0	1	0	0	0	1644	0	0	1812	2	1	1499	1599	0	395	2	0	0	0	16	0	16	16

LEGEND

- 2 Port HST Cable
- 4 Port HST Cable
- 6 Port HST Cable
- Buried Fiber Optic Drop Cable (BFO1)
- Buried Fiber Optic Drop Cable (BFO2)
- Buried Fiber Optic Cable (BFO12)
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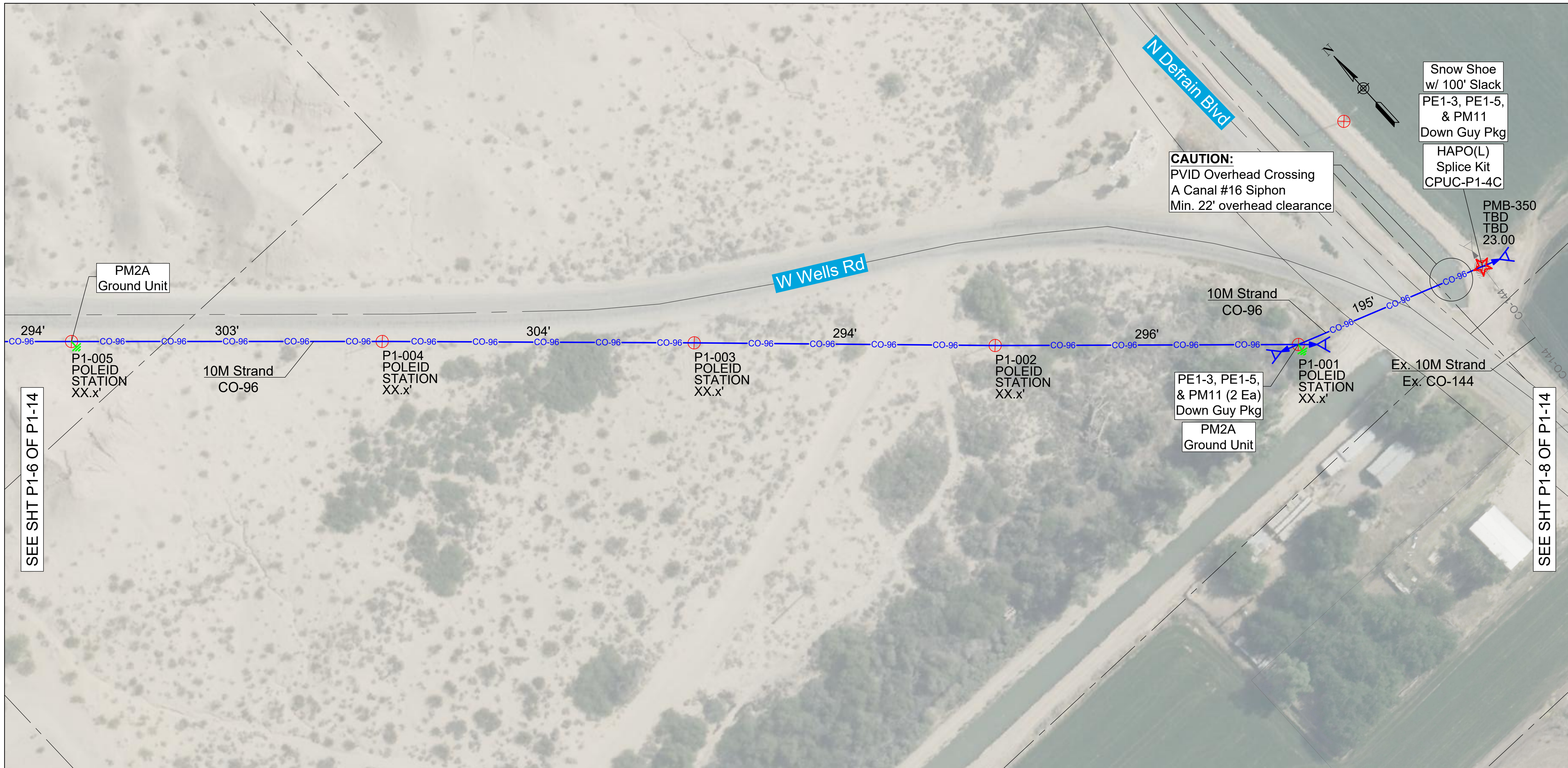
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B			
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NO	REVISION	NO	DATE

PROJECT NO. 25.03.01

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 CALIFORNIA PUBLIC UTILITY COMMISSION
 EQUITY & ACCESS GRANT DESIGN PLANS**

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	CHECKED	TK/SP	3/18/2026

8655 E. VIA DE VENTURA
 SUITE E-140
 SCOTTSDALE, AZ 85258
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LEGEND

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			P1-005												1	294	294										
			P1-004													303	303										
			P1-003													304	304										
			P1-002													294	294										
			P1-001												1	296	296				2	2	2				
			PMB-350		1											195	195			2	1	1	1				
			SLACK														100										
TOTAL	0	0			1	0	0	0	0	0	0	0	0	2	1686	1786	0	0	2	3	3	3	0	0	0	0	

SCALE: Hor=1"=60'
 FULL SIZE

 SCALE IN FEET

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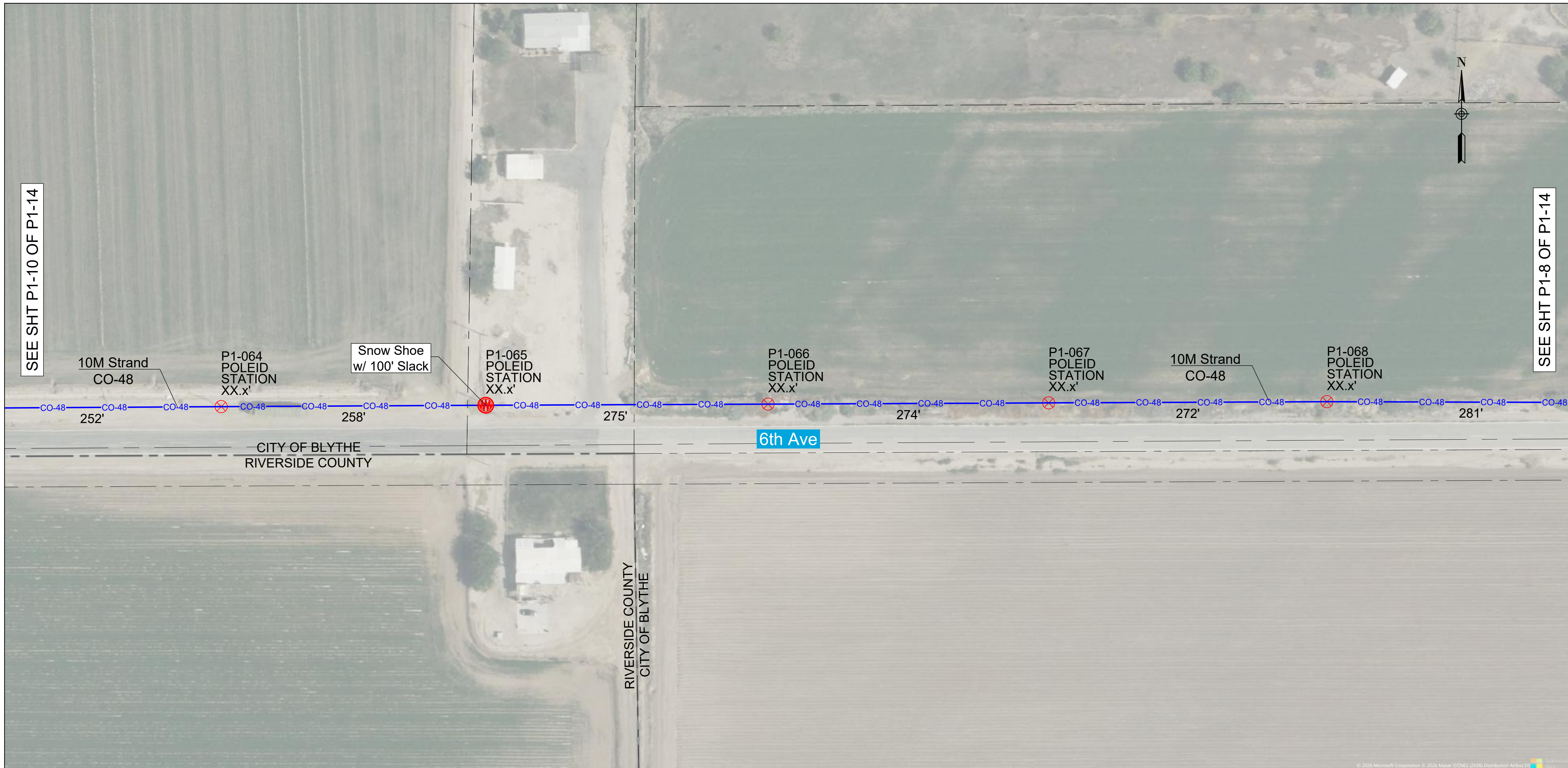
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LEGEND

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			P1-068													281		281										
			P1-067													272		272										
			P1-066													274		274										
			P1-065													275		275		2								
				SLACK														100										
			P1-064													258		258										
TOTAL	0	0			0	0	0	0	0	0	0	0	0	0	0	1360	0	1460	0	2	0	0	0	0	0	0	0	0

SCALE: Hor=1"=60'
 FULL SIZE

 SCALE IN FEET

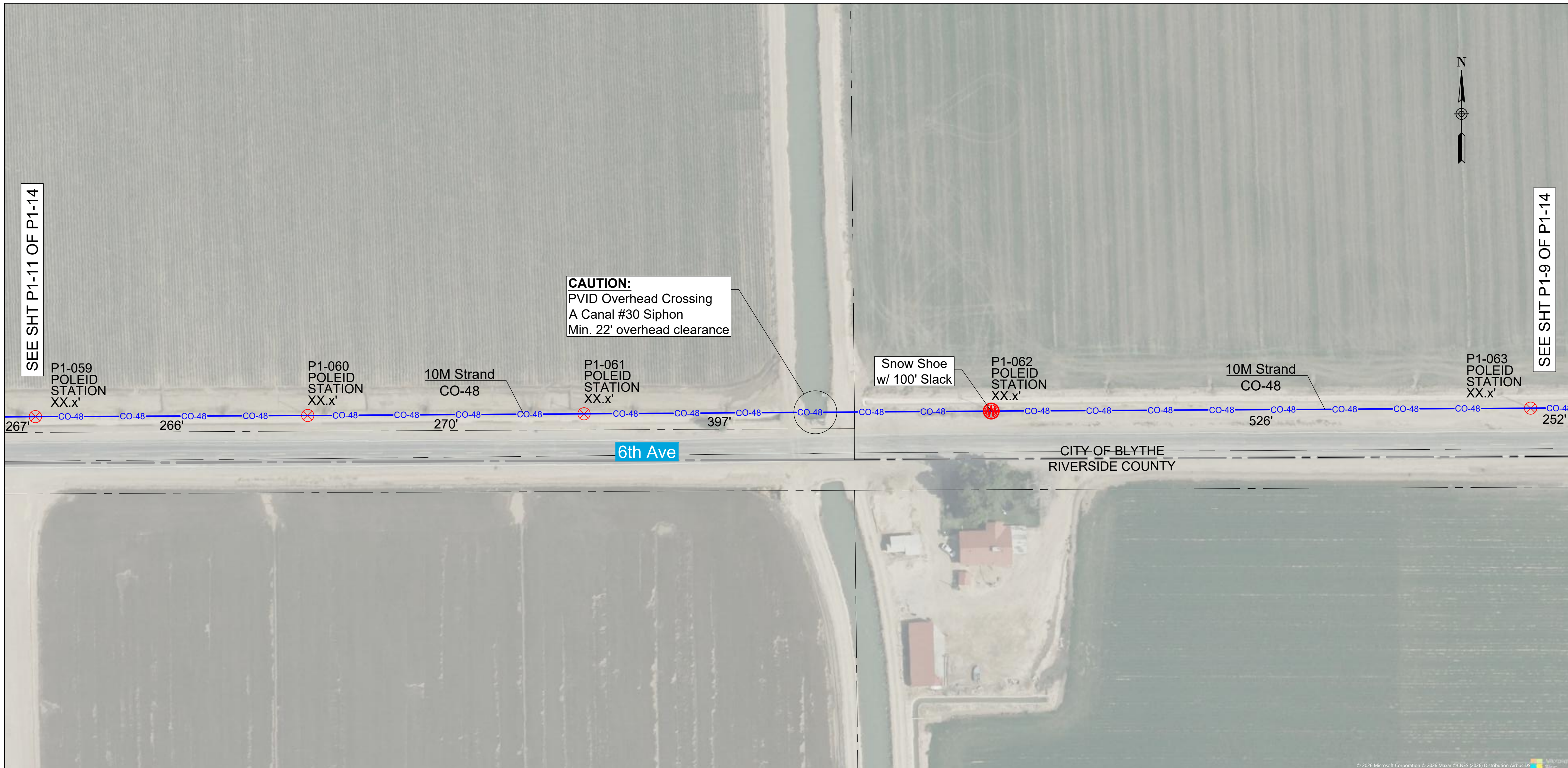
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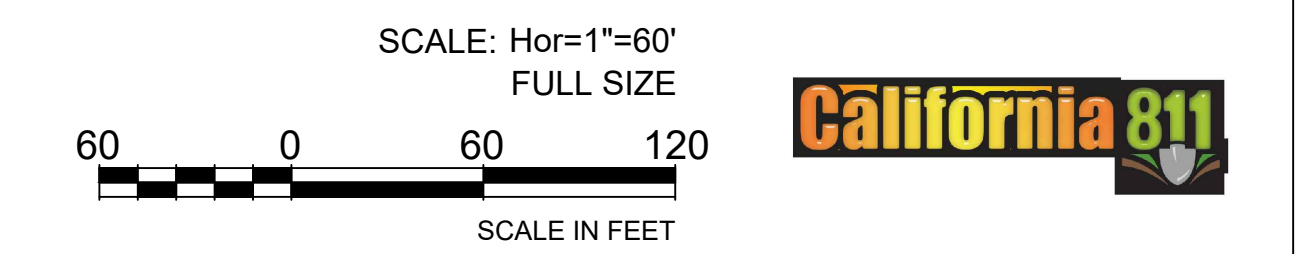
8655 E. VIA DE VENTURA
 SUITE E-140
 SCOTTSDALE, AZ 85258
 602-550-4295
 admin@ackermancg.com



- ### LEGEND
- 2HST 2 Port HST Cable
 - 4HST 4 Port HST Cable
 - 6HST 6 Port HST Cable
 - BFO-1 Buried Fiber Optic Drop Cable (BFO1)
 - BFO-2 Buried Fiber Optic Drop Cable (BFO2)
 - BFO-12 Buried Fiber Optic Cable (BFO12)
 - BFO-24 Buried Fiber Optic Cable (BFO24)
 - BFO-48 Buried Fiber Optic Cable (BFO48)
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 - BFO-144 Buried Fiber Optic Cable (BFO144)
 - BFO-288 Buried Fiber Optic Cable (BFO288)
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 - Utility Pole
 - Down Guy & Anchor
 - Pedestal
 - PON Cabinet
 - Aerial Slack Loop
 - Splice Case
 - Grounding Unit
 - Hardened Service Terminal (HST)

UTILITY CAUTION:
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HH NO.	BHF 24X36X36	BD5 PED	POLE	ADDED FIBER ITEM	HAPO(L): AERIAL FOSC 450D	HAPO(M): AERIAL FOSC 450B	HBFO(M): BURIED FOSC 450B	BM2	V(3)1.25"	V(2)1.25"	BFO-96	BFO-48	BFO-24	BM82 HDPE RISER	PM2A GROUND	10M STRAND	CO-96	CO-48	CO-24	SNOW SHOE	PE1-3	PF1-5	PM11	BFO PREMISE DROP	CO PREMISE DROP	ONT	NID
			P1-063													252		252									
			P1-062													526		526		2							
				SLACK														100									
			P1-061													397		397									
			P1-060													270		270									
			P1-059													266		266									
TOTAL	0	0			0	0	0	0	0	0	0	0	0	0	0	1711	0	1811	0	2	0	0	0	0	0	0	0



RIGHT-OF-WAY NOTE:
 Right-of-way information downloaded from Riverside County, San Bernardino County, and CalTrans.

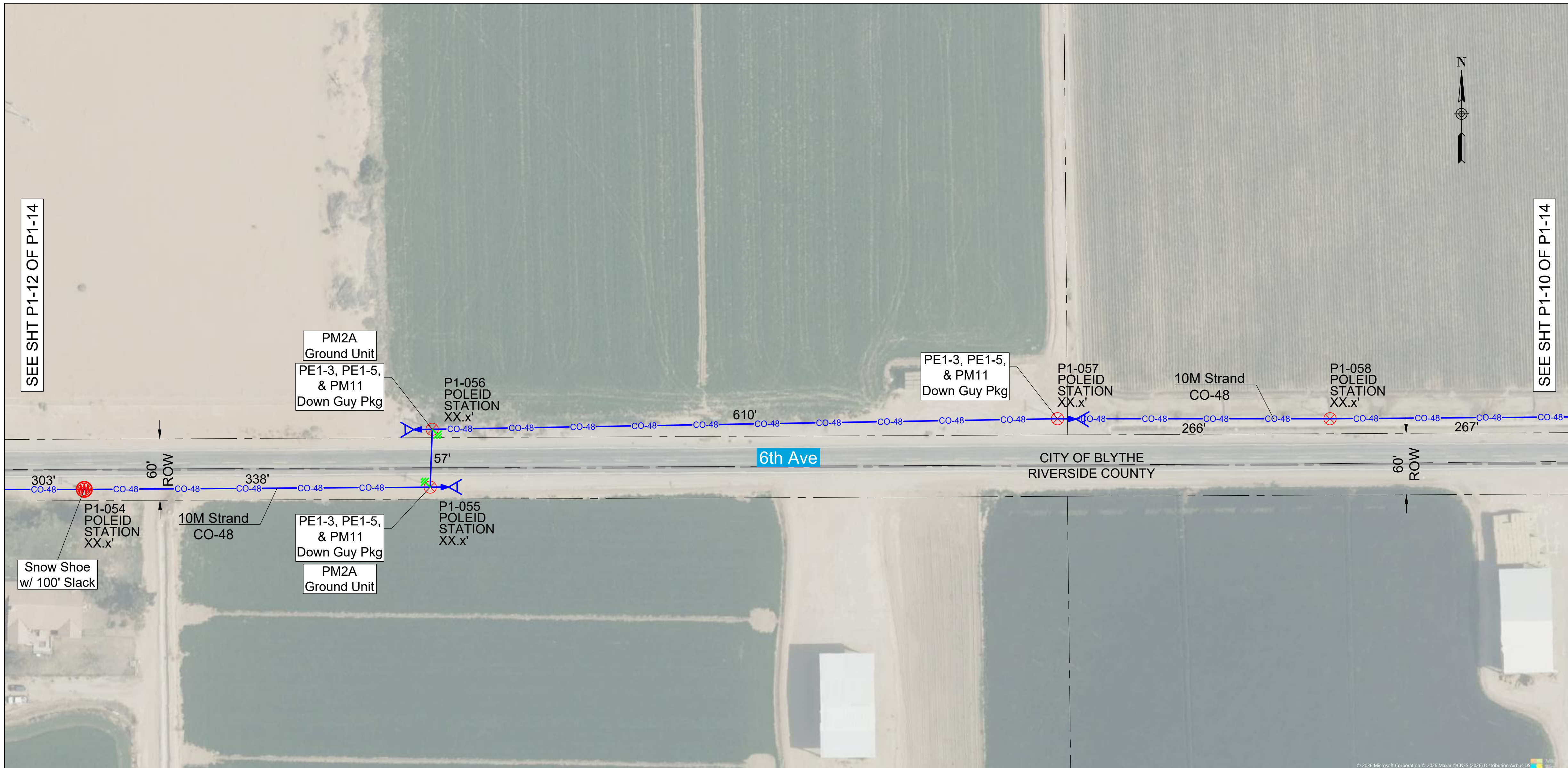
C			
B			
A			
NO	REVISION	NO	DATE

PROJECT NO. 25.03.01

**COLORADO RIVER INDIAN TRIBES
 CALIFORNIA PUBLIC UTILITY COMMISSION
 EQUITY & ACCESS GRANT DESIGN PLANS**

DESIGNED	BY	DATE
DRAWN	RS/JB	3/18/2026
CHECKED	TK/SP	3/18/2026

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			P1-058													267		267									
			P1-057													266		266			1	1	1				
			P1-056												1	610		610			1	1	1				
			P1-055												1	57		57			1	1	1				
			P1-054													338		338		2							
				SLACK														100									
TOTAL	0	0			0	0	0	0	0	0	0	0	0	0	2	1538	0	1638	0	2	3	3	3	0	0	0	0

SCALE: Hor=1"=60'
 FULL SIZE

 SCALE IN FEET

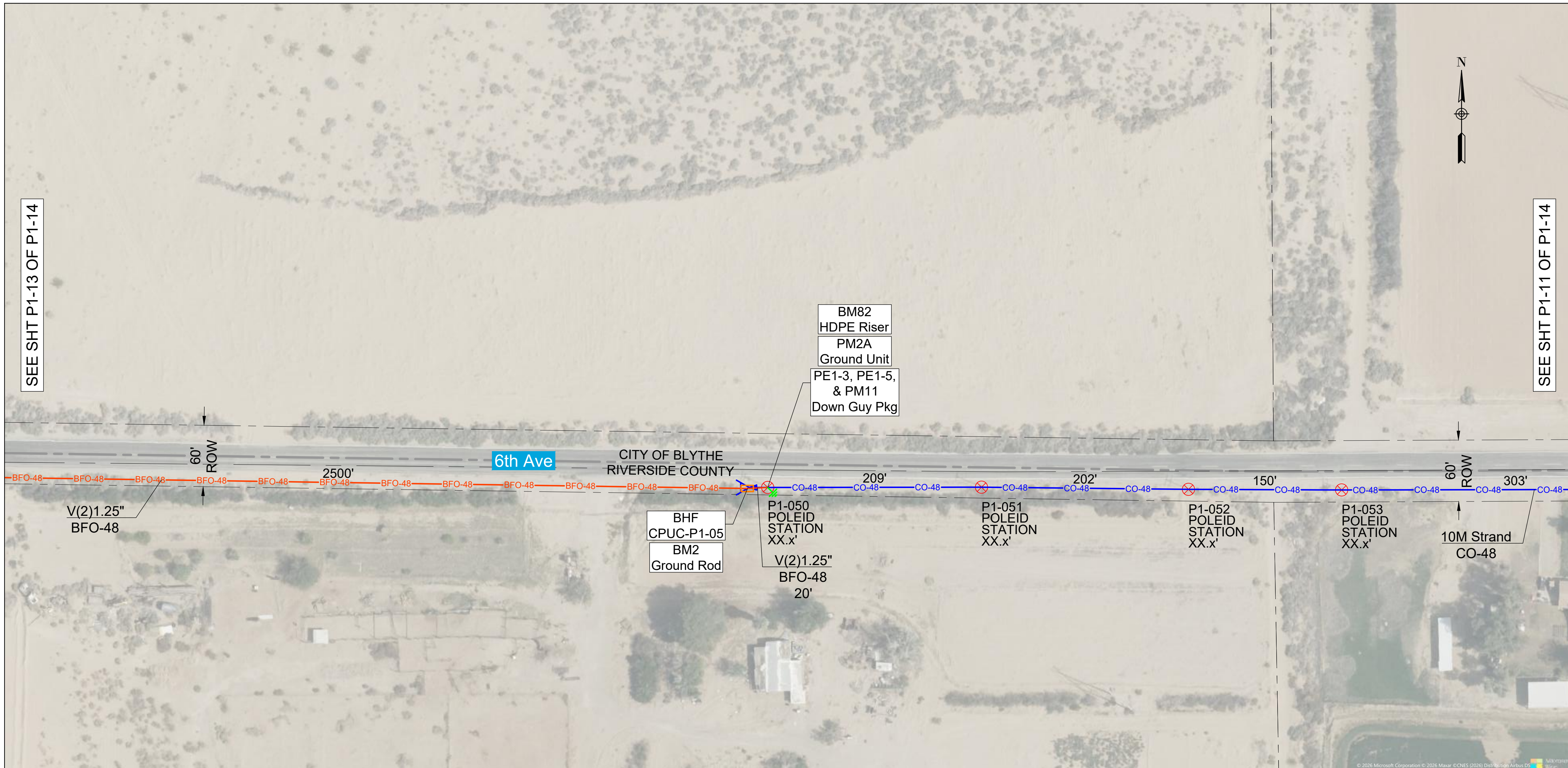
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NO	REVISION	NO	DATE

PROJECT NO. 25.03.01
COLORADO RIVER INDIAN TRIBES
CALIFORNIA PUBLIC UTILITY COMMISSION
EQUITY & ACCESS GRANT DESIGN PLANS

	DESIGNED	AE	3/18/2026
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			P1-053													303		303										
			P1-052													150		150										
			P1-051													202		202										
			P1-050											1	1	209		209			1	1	1					
				RISER														25										
P1-05	1			SLACK				1	20		20	100																
TOTAL	1	0			0	0	0	1	0	20	0	120	0	1	1	864	0	889	0	0	1	1	1	0	0	0	0	

SCALE: Hor=1"=60'
 FULL SIZE

 SCALE IN FEET

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PROJECT NO. 25.03.01

**COLORADO RIVER INDIAN TRIBES
 CALIFORNIA PUBLIC UTILITY COMMISSION
 EQUITY & ACCESS GRANT DESIGN PLANS**

DESIGNED	BY AE	DATE 3/18/2026
DRAWN	RS/JB	3/18/2026
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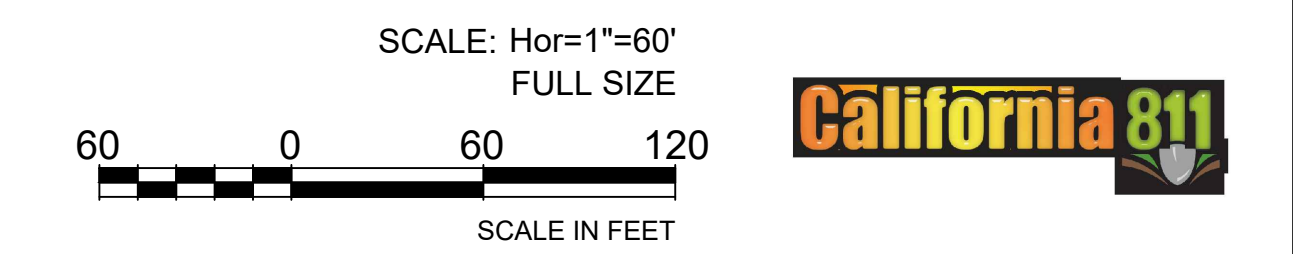
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No Quantities This Sheet

PROJECT NO. 25.03.01

**COLORADO RIVER INDIAN TRIBES
 CALIFORNIA PUBLIC UTILITY COMMISSION
 EQUITY & ACCESS GRANT DESIGN PLANS**

	BY	DATE
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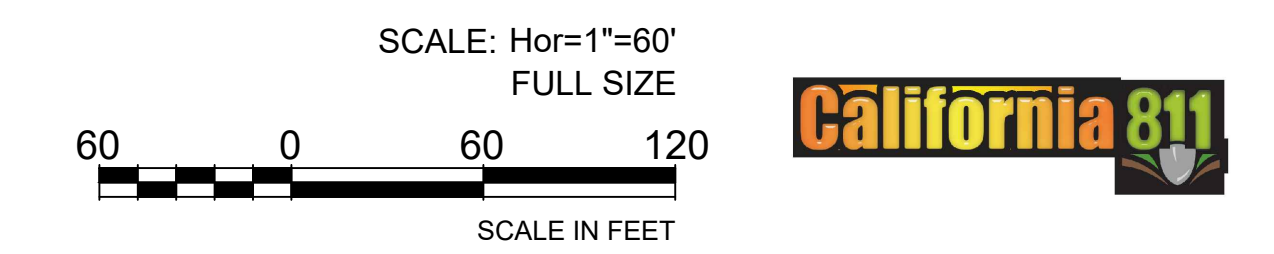
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P1-06	1			SLACK				1	2500		2500																
P1-07	1			SLACK			1	1	512		512	100											2		2	2	
TOTAL	2	0			0	0	1	2	3012	0	3212	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	

SEE SHT P1-13 OF P1-14