

PEDESTRIAN LIGHTING GENERAL NOTES:

1. THIS PROJECT WILL BE BID FOR THE INSTALLATION OF PEDESTRIAN LIGHTING. BASE PROJECT: PROVIDE AND IN STALL THE MAIN ENTRANCE PEDESTRIAN LIGHTING AS SHOWN IN THE DRAWINGS FOR PHASE 2 OF F AND ONE HALF PARKWAY IMPROVEMENTS.
2. THIS PROJECT CONSISTS OF WORK TO INSTALL ALL WIRING, CONDUIT, PULL BOXES, AND POWER PANELS. REFERENCE SCHEDULE OF LIGHTING DEVICES AND SUMMARY OF QUANTITIES.
3. TYPES "SA" LIGHT STANDARD & LUMINARIES (PEDESTRIAN LIGHT), PAY ITEM 613-30005, SHALL INCLUDE THE FOLLOWING ITEMS FROM ILLUMINATION SYSTEMS LIGHTING LOCATED AT 5 SOUTH KALAMATH STREET, DENVER, CO 80223, 303.295.2900. THE ITEMS NUMBERS ARE AS FOLLOWS: TYPE "SA" 1A-1527LED-R-12L-40-T2-MDLO18-SV1-EZ-HSS-OAPT/450P414-.125/BK
4. PROVIDE COLLISION BREAK AWAY CONNECTORS FOR TYPE "SA" FIXTURES. FIXTURE TO BE 12 FOOT ABOVE FINISHED GRADE TO BOTTOM OF LIGHT.
5. PROVIDE 3 NEW MILBANK PANELS (PP2,PP3 AND PP4), 240V, 1ϕ, 3W 100A , #CP3B51C1HA22CSXC5L12 LOCATED AS SHOWN IN DRAWINGS. PANELS TO BE ORIENTED SO THAT PHOTOCELL WILL HAVE A NORTHERN MOST EXPOSURE.
6. ALL PEDESTRIAN LIGHTING FIXTURES(TYPE "SA") INSTALLED ON THE PROJECT WILL BE CONTROLLED WITH A ELECTRICAL CONTRACTOR SUPPLIED PHOTOCELL TO BE LOCATED IN EACH NEW MILBANK POWER PEDESTALS IN SWITCHED SECTION OF PANEL. ORIENT PANEL SO THAT PHOTOCELL WILL BE ORIENTED NORTH, TYPICAL.
7. PROVIDE 2" PVC SCHEDULE 80 CONDUIT BETWEEN EACH JUNCTION BOX LABELED "UB".
8. PROVIDE #10 THWN TRACER WIRE IN NEW CONDUIT TO FACILITATE LOCATION OF CONDUIT IN THE FUTURE.
9. COORDINATION WITH CITY TRAFFIC FOR INSTALLATION OF NEW HAWK CROSSINGS(REFERENCE DRAWINGS E-10,E-18) AND NEW TRAFFIC SIGNAL(REFERNECE DRAWING E-21)
10. ELEVATIONS SHOWN IN THE SCHEDULE OF LIGHTING DEVICES ON THE PLANS SHEETS REPRESENT THE DESIGN FINISHED GRADE OR THE EXISTING GROUND FINISHED GRADE. THESE ELEVATIONS DO NOT INDICATE THE TOP ELEVATION OF THE LUMINARIES (PEDESTRIAN) FOUNDATION. PEDESTRIAN LIGHTING FOUNDATIONS SHALL BE CONSTRUCTED PER THE MANUFACTURERS RECOMMENDATIONS.
11. PULL BOXES FOR LIGHT STANDARD (PEDESTRIAN AND STREET) WILL BE TYPE 2 CDOT PULL BOXES 13"x24"x12".
12. PULL BOXES FOR FIBER OPTIC CABLE WILL BE TYPE 3 CDOT PULL BOXES 17"x30"x12".
13. PULL BOXES WILL BE INSTALLED IN GRADES WITHOUT CONCRETE WHERE POSSIBLE.
14. ALL ELECTRICAL CONDUIT SHALL BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE, TYPICAL.
15. UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS SHALL INCLUDE PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. FURNISH ALL REQUIRED ITEMS WHETHER SUCH ARE SPECIFICALLY SHOWN OR NOT.
16. INFORMATION SHOWN ON DRAWINGS IS DIAGRAMMATIC ONLY AND SHALL NOT BE SCALED. OBTAIN VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS AMONG TRADES AND FOR ADJUSTING THE WORK REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDER GROUND OBSTRUCTIONS AND MAKING ALLOWANCES FOR FIELD ADJUSTMENT OF LOCATION OF LUMINARIES TO AVOID SHUT DOWN OF ANY SERVICES OR SYSTEMS THAT ARE TO REMAIN.
17. BEFORE SUBMITTING THE BID ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE PREMISES AND/OR JOB SITE SO AS TO ASCERTAIN THE EXISTING CONDITIONS IN WHICH THE CONTRACTOR WILL BE OBLIGED TO OPERATE IN PERFORMING HIS PART OF THE CONTRACT TO ANTICIPATE ANY POSSIBLE SPACE RESTRICTIONS OR CONSTRAINTS THAT COULD AFFECT THE TIMELY COMPLETION OF THE ELECTRICAL WORK IN ACCORDANCE WITH THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL REPORT TO THE THE PROJECT ENGINEER OR GENERAL CONTRACTOR ANY CONDITIONS THAT MIGHT PREVENT THE SPECIFIED ELECTRICAL WORK FROM BEING PERFORMED IN THE MANNER INTENDED. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED TO THE ELECTRICAL CONTRACTOR FOR FAILURE TO VISIT THE PROJECT SITE, OR FOR ANY ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED OR WORK TO BE DONE..
18. THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE DRAWINGS OF ALL TRADES WHOSE WORK RELATES TO OR IS DEPENDENT ON ELECTRICAL WORK TO BECOME FULLY INFORMED OF THE EXTENT AND CHARACTER OF THEIR SPECIFIED WORK AND BE ABLE TO COORDINATE WITH OTHER TRADES WHILE AVOIDING POSSIBLE INTERFERENCE WITH THE ELECTRICAL WORK.
19. THE CONTRACTOR SHALL USE CONDUIT PLUGS AND SEALING PLUGS FOR SEALING ALL EMPTY CONDUITS AND CONDUITS OCCUPIED WITH CABLING, RESPECTIVELY, INSTALLED UNDER THIS CONTRACT. CONDUIT PLUGS SHALL BE MANUFACTURED FROM HIGH-IMPACT PLASTIC COMPONENTS, COMBINED WITH DURABLE ELASTIC GASKETS. THEY SHALL BE CORROSION PROOF AND APPROPRIATE FOR USE AS EITHER A LONG-TERM OR TEMPORARY SEAL. CONDUIT PLUGS SHALL BE REMOVABLE AND REUSABLE. THEY SHALL BE BOTH WATERTIGHT AND AIRTIGHT TO PREVENT THE FLOW OF WATER AND BUILDUP OF SEDIMENTATION WITHIN THE CONDUIT. EACH CONDUIT PLUG SHALL BE EQUIPPED WITH A ROPE TIE DEVICE TO ALLOW THE SECURING OF PULL ROPE TO THE PLUG'S BACK COMPRESSION PLATE. THE CONTRACTOR SHALL ATTACH THE PULL ROPE TO THE BACK COMPRESSION PLATE OF THE PLUG AND STORE EXCESS SLACK PULL ROPE BEHIND THE PLUG WITHIN THE CONDUIT FOR FUTURE USE.
20. CONTRACTOR TO COORDINATE INSTALLATION AND WIRING OF 3-"HAWK" CROSS WALK SIGNALS WITH CITY OF GJ TRAFFIC DEPARTMENT. REFERENCE CITY OF GRAND JUNCTION DRAWINGS "FOUR CANYONS PKWY PH 2B" DRAWINGS PAGES 263 - 265. THE HAWK SIGNALS AT 25 RD AND PATTERSON WILL USE EXISTING POWER, COORDINATE WITH CITY OF GRAND JUNCTION TRAFFIC DEPARTMENT PRIOR TO ROUGH-IN OR TRENCHING.

- PP1-X ELECTRICAL CIRCUIT NUMBER (REFER TO PANEL SCHEDULES)
- UB

NEW HEAVY DUTY ELECTRIC PULLBOX, TRAFFIC RATED, FLUSH-TO-GRADE POLYMER CONCRETE SPLICE BOX WITH HEAVY DUTY, TRAFFIC RATED, BOLTED COVER.11"x18"x12" TYPE 1. NUMBER ASSOCIATED IS NOT THE QUANTITY BUT THE IDENTIFIER ONLY.
- UBE

EXISTING HEAVY DUTY, TRAFFIC RATED, FLUSH-TO-GRADE POLYMER CONCRETE SPLICE BOX WITH HEAVY DUTY, TRAFFIC RATED, BOLTED COVER.11"x18"x12" TYPE 1. NUMBER ASSOCIATED IS NOT THE QUANTITY BUT THE IDENTIFIER ONLY.
- UBF

NEW HEAVY DUTY FIBER PULLBOX, TRAFFIC RATED, FLUSH-TO-GRADE POLYMER CONCRETE SPLICE BOX WITH HEAVY DUTY, TRAFFIC RATED, BOLTED COVER.24"x36"x12" TYPE 1. NUMBER ASSOCIATED IS NOT THE QUANTITY BUT THE IDENTIFIER ONLY.
- UNDER GROUND BURIED RACEWAY (2#6 THWN CU AND 1#8 GND) IN 2" PVC CONDUIT (UNLESS NOTED OTHERWISE ON PLANS) IN 24" DEEP TRENCH, BURY AND COMPACTED BACKFILL TO CITY STANDARDS. INSTALL 2 " PVC CONDUIT ALONG 24 ROAD IN SAME TRENCH AS ELECTRICAL FOR CITY FIBER.
- UNDER GROUND BURIED RACEWAY FIBER OPTICS CABLE IN 2" PVC CONDUIT (UNLESS NOTED OTHERWISE ON PLANS) IN ELECTRICAL TRENCH, BURY AND COMPACTED BACKFILL TO CITY STANDARDS.
- INSTALL SINGLE ARM PEDESTRIAN STANDARD OR STREET STANDARD AS SPECIFIED. NUMBER ASSOCIATED IS NOT THE QUANTITY BUT THE IDENTIFIER ONLY.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
ADDED	"HAWK" SUPPLY	5/8/2025	AJM	5/22/25
Δ			AJM	5/22/25
Δ			AJM	5/22/25
Δ			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
COVER SHEET PLAN

E1
of 26



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

PEDESTRIAN LIGHTING GENERAL NOTES:

- I. EACH LIGHT TO HAVE A PULL BOX "UB",
REFERENCE ELECTRICAL SHEETS.

Schedule of Lighting Devices						
ITEM No.				613-3005	613-40012	
DESCRIPTION				LIGHT STANDARD AND LUMINAIRE LED (PEDESTRIAN) EACH	LIGHT STANDARD FOUNDATION SPECIAL EACH	NOTES
SHEET NO.	TYPE	EAST	NORTH	PLAN	PLAN	
E7	SA060	81723.96	47407.39	1	1	1,2,3
E7	SA061	81813.36	47416.91	1	1	1,2,3
E7	SA062	81911.66	47432.05	1	1	1,2,3
E7	SA063	82011.72	47431.76	1	1	1,2,3
E7	SA064	82111.78	47431.47	1	1	1,2,3
E7	SA065	82211.76	47431.18	1	1	1,2,3
E7	SA074	81738.79	47289.17	1	1	1,2,3
E7	SA075	81826.85	47278.75	1	1	1,2,3
E7	SA076	81916.95	47274.03	1	1	1,2,3
E7	SA077	82006.94	47273.77	1	1	1,2,3
E7	SA078	82096.94	47273.51	1	1	1,2,3
E7	SA079	82186.94	47273.25	1	1	1,2,3
E7	SA080	82276.94	47272.99	1	1	1,2,3
E8	SA066	82311.78	47430.86	1	1	1,2,3
E8	SA067	82411.62	47430.60	1	1	1,2,3
E8	SA068	82511.68	47430.31	1	1	1,2,3
E8	SA069	82611.68	47430.02	1	1	1,2,3
E8	SA070	82711.67	47429.73	1	1	1,2,3
E8	SA081	82366.94	47272.73	1	1	1,2,3
E8	SA082	82456.94	47272.47	1	1	1,2,3
E8	SA083	82546.94	47272.20	1	1	1,2,3
E8	SA084	82636.94	47271.91	1	1	1,2,3
E8	SA085	82727.05	47271.68	1	1	1,2,3
E9	SA072	82827.72	47527.29	1	1	1,2,3
E9	SA073	82828.28	47671.17	1	1	1,2,3
E9	SA123	82888.89	47788.98	1	1	1,2,3
E9	SA124	82888.83	47689.02	1	1	1,2,3
E9	SA125	82888.77	47588.98	1	1	1,2,3
E10	SA071	82808.90	47429.45	1	1	1,2,3
E10	SA086	82817.05	47271.42	1	1	1,2,3
E10	SA087	82899.18	47271.19	1	1	1,2,3
E10	SA088	82989.68	47270.92	1	1	1,2,3
E10	SA089	83088.08	47269.44	1	1	1,2,3
E10	SA090	83190.10	47248.52	1	1	1,2,3
E10	SA126	82888.71	47489.02	1	1	1,2,3
E10	SA127	82908.88	47429.16	1	1	1,2,3
E10	SA128	83008.89	47428.87	1	1	1,2,3
E10	SA129	83108.85	47426.20	1	1	1,2,3
E10	SA130	83207.24	47408.40	1	1	1,2,3
E10	SA131	83301.07	47373.92	1	1	1,2,3
E11	SA091	83280.63	47205.27	1	1	1,2,3
E11	SA092	83362.25	47147.95	1	1	1,2,3
E11	SA093	83443.74	47089.99	1	1	1,2,3
E11	SA094	83525.24	47032.03	1	1	1,2,3
E11	SA095	83606.73	46974.07	1	1	1,2,3
E11	SA132	83387.42	47323.91	1	1	1,2,3
E11	SA133	83468.88	47266.00	1	1	1,2,3
TABLE TOTALS				47	47	
SCHEDULE OF LIGHTING DEVICES NOTES:						
1. FOUNDATION TOP HEIGHT EQUAL TO ADJACENT SIDEWALK						
2. LUMINAIRE LED(66 WATT) IS TO BE INCLUDED IN THE COST OF PAY ITEM 613-30005 LIGHT STANDARD AND LUMINIARE (PEDESTRIAN)						
3. FOUNDATION TOP HEIGHT AS SHOWN IN DETAIL						

Schedule of Lighting Devices						
ITEM No.				613-30003	613-40012	
DESCRIPTION				LIGHT STANDARD AND LUMINAIRE LED (PEDESTRIAN) EACH	LIGHT STANDARD FOUNDATION SPECIAL EACH	NOTES
SHEET NO.	TYPE	EAST	NORTH	PLAN	PLAN	
E11	SA-134	83550.36	47208.04	1	1	1,2,3
E11	SA-135	83631.90	47150.06	1	1	1,2,3
E11	SA-136	83713.19	47092.69	1	1	1,2,3
E12	SA-096	83688.22	46916.12	1	1	1,2,3
E12	SA-097	83769.71	46858.17	1	1	1,2,3
E12	SA-098	83851.18	46800.22	1	1	1,2,3
E12	SA-099	83932.66	46742.27	1	1	1,2,3
E12	SA-100	84009.03	46677.71	1	1	1,2,3
E12	SA-174	83810.59	47040.71	1	1	1,2,3
E12	SA-175	83876.28	46976.25	1	1	1,2,3
E12	SA-176	83957.77	46918.30	1	1	1,2,3
E12	SA-177	84037.47	46858.34	1	1	1,2,3
E12	SA-178	84106.81	46786.41	1	1	1,2,3
E13	SA-137	83771.66	47170.99	1	1	1,2,3
E13	SA-138	83830.81	47251.66	1	1	1,2,3
E13	SA-139	83954.94	47385.60	1	1	1,2,3
E13	SA-140	84010.04	47463.05	1	1	1,2,3
E13	SA-141	84067.90	47544.66	1	1	1,2,3
E13	SA-171	84027.53	47361.69	1	1	1,2,3
E13	SA-172	83915.29	47203.86	1	1	1,2,3
E13	SA-173	83860.74	47126.40	1	1	1,2,3
E13	SA-198	84096.33	47437.17	1	1	1,2,3
E13	SA-199	84134.33	47514.42	1	1	1,2,3
E14	SA-142	84115.68	47635.81	1	1	1,2,3
E14	SA-143	84138.48	47712.97	1	1	1,2,3
E14	SA-144	84148.03	47883.11	1	1	1,2,3
E14	SA-145	84148.10	47967.72	1	1	1,2,3
E14	SA-146	84148.18	48067.65	1	1	1,2,3
E14	SA-147	84141.55	48160.67	1	1	1,2,3
E14	SA-148	84208.72	48111.78	1	1	1,2,3
E14	SA-149	84208.64	48009.46	1	1	1,2,3
E14	SA-150	84208.56	47909.51	1	1	1,2,3
E14	SA-151	84208.48	47809.52	1	1	1,2,3
E14	SA-152	84199.98	47709.65	1	1	1,2,3
E14	SA-153	84172.41	47613.39	1	1	1,2,3
E15	SA-154	84637.45	47332.96	1	1	1,2,3
E15	SA-155	84554.47	47332.96	1	1	1,2,3
E15	SA-156	84448.10	47332.96	1	1	1,2,3
E15	SA-157	84348.34	47339.90	1	1	1,2,3
E15	SA-158	84206.53	47316.83	1	1	1,2,3
E15	SA-169	84160.28	47316.79	1	1	1,2,3
E15	SA-170	84174.59	47388.20	1	1	1,2,3
E15	SA-200	84230.61	47357.33	1	1	1,2,3
E16	SA-108	84184.16	46766.01	1	1	1,2,3
E16	SA-159	84200.53	47244.83	1	1	1,2,3
E16	SA-160	84200.45	47144.83	1	1	1,2,3
E16	SA-161	84200.37	47044.83	1	1	1,2,3
TABLE TOTALS				47	47	
SCHEDULE OF LIGHTING DEVICES NOTES:						
1. FOUNDATION TOP HEIGHT EQUAL TO ADJACENT SIDEWALK						
2. LUMINAIRE LED(66 WATT) IS TO BE INCLUDED IN THE COST OF PAY ITEM 613-30005 LIGHT STANDARD AND LUMINIARE (PEDESTRIAN)						
3. FOUNDATION TOP HEIGHT AS SHOWN IN DETAIL.						

DESCRIPTION		DATE	DRAWN BY	DATE
REVISION Δ _____		-	AJM	5/22/25
REVISION Δ _____		-	AJM	5/22/25
REVISION Δ _____		-	AJM	5/22/25
REVISION Δ _____		-	BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
LIGHTING SCHEDULES



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

Schedule of Lighting Devices						
ITEM No.				613-30003	613-40012	
DESCRIPTION				LIGHT STANDARD AND LUMINAIRE LED (PEDESTRIAN) EACH	LIGHT STANDARD FOUNDATION SPECIAL EACH	NOTES
SHEET NO.	TYPE	EAST	NORTH	PLAN	PLAN	
E16	SA-162	84200.29	46944.83	1	1	1,2,3
E16	SA-163	84221.61	46838.41	1	1	1,2,3
E16	SA-164	84135.36	46841.48	1	1	1,2,3
E16	SA-165	84155.27	46919.34	1	1	1,2,3
E16	SA-166	84155.35	47022.71	1	1	1,2,3
E16	SA-167	84155.42	47102.83	1	1	1,2,3
E16	SA-168	84155.51	47220.40	1	1	1,2,3
E17	SA-101	84069.36	46696.44	1	1	1,2,3
E17	SA-102	84108.69	46604.98	1	1	1,2,3
E17	SA-103	84126.17	46405.22	1	1	1,2,3
E17	SA-104	84123.4602	46306.1608	1	1	1,2,3
E17	SA-105	84122.2195	46205.9766	1	1	1,2,3
E17	SA-107	84231.1535	46908.9553	1	1	1,2,3
E17	SA-179	84162.6226	46703.0879	1	1	1,2,3
E17	SA-180	84220.9566	46587.3047	1	1	1,2,3
E17	SA-181	84232.3009	46310.698	1	1	1,2,3
E17	SA-182	84232.2434	46236.7031	1	1	1,2,3
E17	SA-183	84232.2038	46185.7276	1	1	1,2,3
E18	SA-115	84115.1823	46022.268	1	1	1,2,3
E18	SA-116	84126.4771	45893.999	1	1	1,2,3
E18	SA-118	84126.3994	45794.0119	1	1	1,2,3
E18	SA-185	84232.0667	46009.3255	1	1	1,2,3
E18	SA-186	84231.989	45909.3547	1	1	1,2,3
E18	SA-187	84231.9113	45809.4019	1	1	1,2,3
E18	SA-188	84231.8582	45740.9654	1	1	1,2,3
E19	SA-109	83535.8742	46093.8119	1	1	1,2,3
E19	SA-111	83615.1441	46086.9865	1	1	1,2,3
E19	SA-112	83704.797	46087.0405	1	1	1,2,3
E19	SA-113	83847.3355	46034.4442	1	1	1,2,3
E19	SA-114	84015.0319	46034.8427	1	1	1,2,3
E20	SA-119	84126.3214	45693.6365	1	1	1,2,3
E20	SA-120	84121.7435	45593.3949	1	1	1,2,3
E20	SA-121	84121.6838	45516.5919	1	1	1,2,3
E20	SA-122	84109.5318	45443.9026	1	1	1,2,3
E20	SA-189	84231.8417	45639.3632	1	1	1,2,3
E20	SA-190	84231.7079	45547.5475	1	1	1,2,3
E20	SA-191	84234.8498	45454.0426	1	1	1,2,3
E20	SA-192	84235.8686	45387.5657	1	1	1,2,3
E20	SA-193	84234.5108	45293.9629	1	1	1,2,3
E21	SA-117	84260.7955	44824.2846	1	1	1,2,3
E21	SA-194	84234.442	45205.4031	1	1	1,2,3
E21	SA-195	84231.3655	45106.9669	1	1	1,2,3
E21	SA-196	84231.2878	45006.9957	1	1	1,2,3
E21	SA-197	84231.2323	44905.3936	1	1	1,2,3
TABLE TOTALS				44	44	
SCHEDULE OF LIGHTING DEVICES NOTES:						
1. FOUNDATION TOP HEIGHT EQUAL TO ADJACENT SIDEWALK						
2. LUMINAIRE LED(66 WATT) IS TO BE INCLUDED IN THE COST OF PAY ITEM 613-30005 LIGHT STANDARD AND LUMINIARE (PEDESTRIAN)						
3. FOUNDATION TOP HEIGHT AS SHOWN IN DETAIL.						

PEDESTRIAN LIGHTING GENERAL NOTES:

1. EACH LIGHT TO HAVE A PULL BOX "UB",
REFERENCE ELECTRICAL SHEETS.



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			DESIGNED BY	DATE
REVISION			CHECKED BY	DATE
REVISION			APPROVED BY	DATE



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
LIGHTING SCHEDULES

- I. EACH LIGHT TO HAVE A PULL BOX "UB",
REFERENCE ELECTRICAL SHEETS.

Tabulation of Approximate Quantities					
Item No.	Ref. No.	Construction Note Description	Quantity	Unit	NOTES
1		2 Inch Electrical Conduit (Plastic)	17173	LF	
2		Type two Pull Box(Electric)	154	EA	
3		Wiring	1	LS	
4		Light Standard and Luminaire (Pedestrian)	138	EA	
5		Light Standard Foundation (Special)	138	EA	
6		Lighting Control Center (Special)	3	EA	
7					
8					
SUMMARY NOTES:					



Know what's below.
Call before you dig.



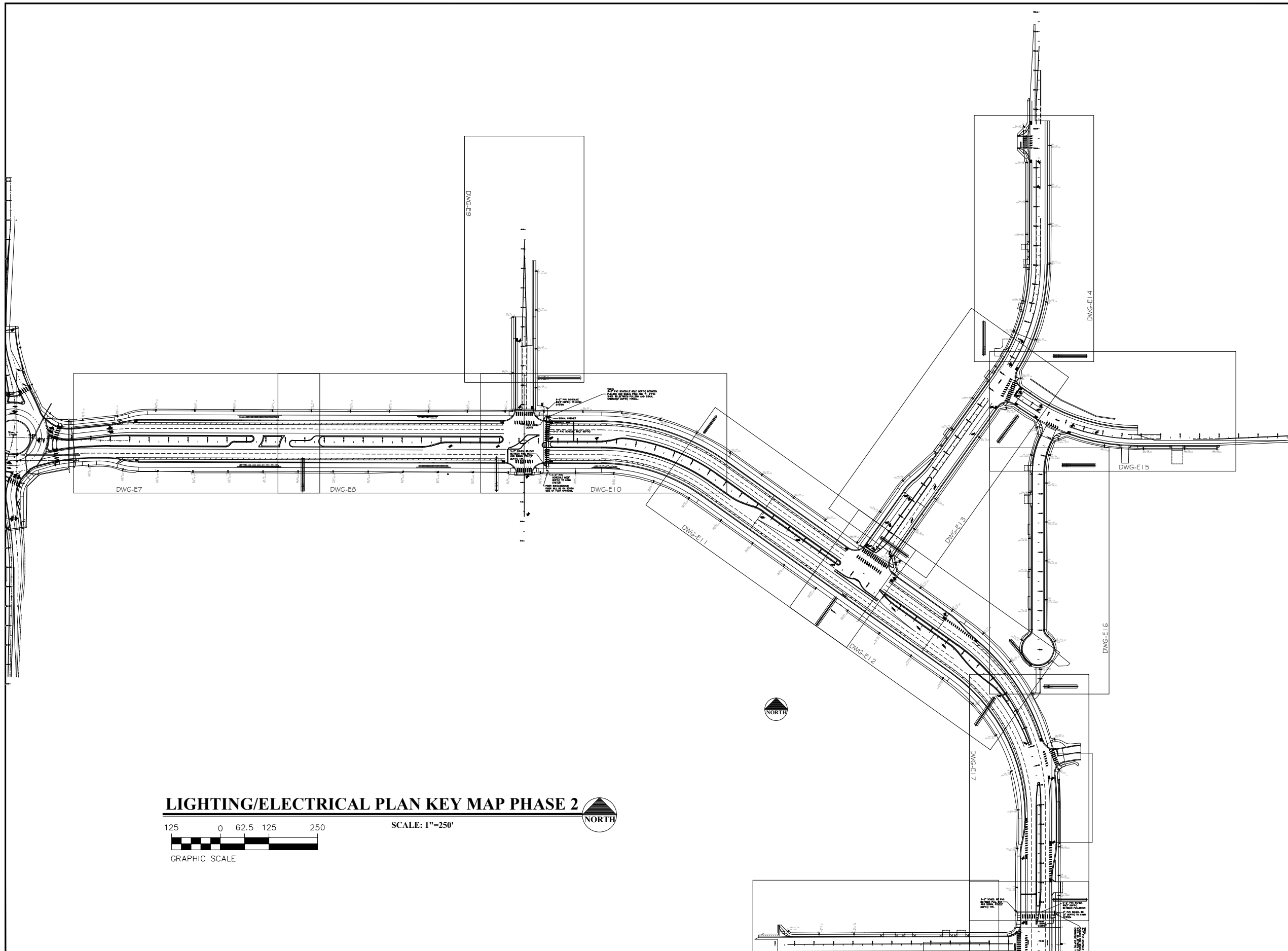
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ ADDED "HAWK" SUPPLY	5/8/2025	AJM	5/22/25
REVISION Δ		DESIGNED BY	DATE
REVISION Δ		AJM	5/22/25
REVISION Δ		CHECKED BY	DATE
REVISION Δ		AJM	5/22/25
REVISION Δ		APPROVED BY	DATE
REVISION Δ		BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
LIGHTING SCHEDULES



LIGHTING/ELECTRICAL PLAN KEY MAP PHASE 2

125 0 62.5 125 250
GRAPHIC SCALE

SCALE: 1"=250'

NORTH



Know what's below.
Call before you dig.



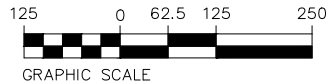
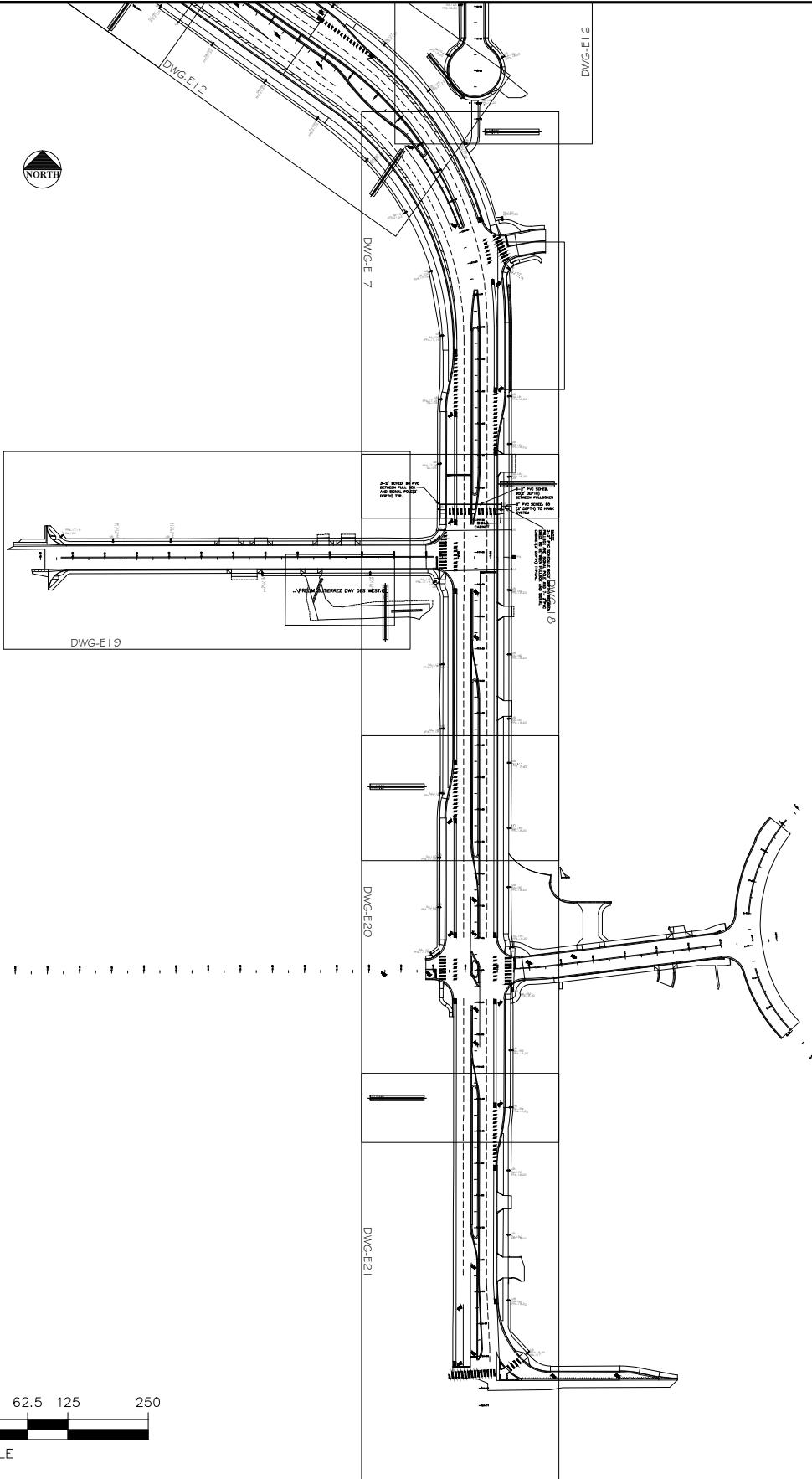
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1	ADDED "HAWK" SUPPLY	5/8/2025	AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN KEY MAP PHASE 2

SCALE: 1"=250'



Know what's below.
Call before you dig.



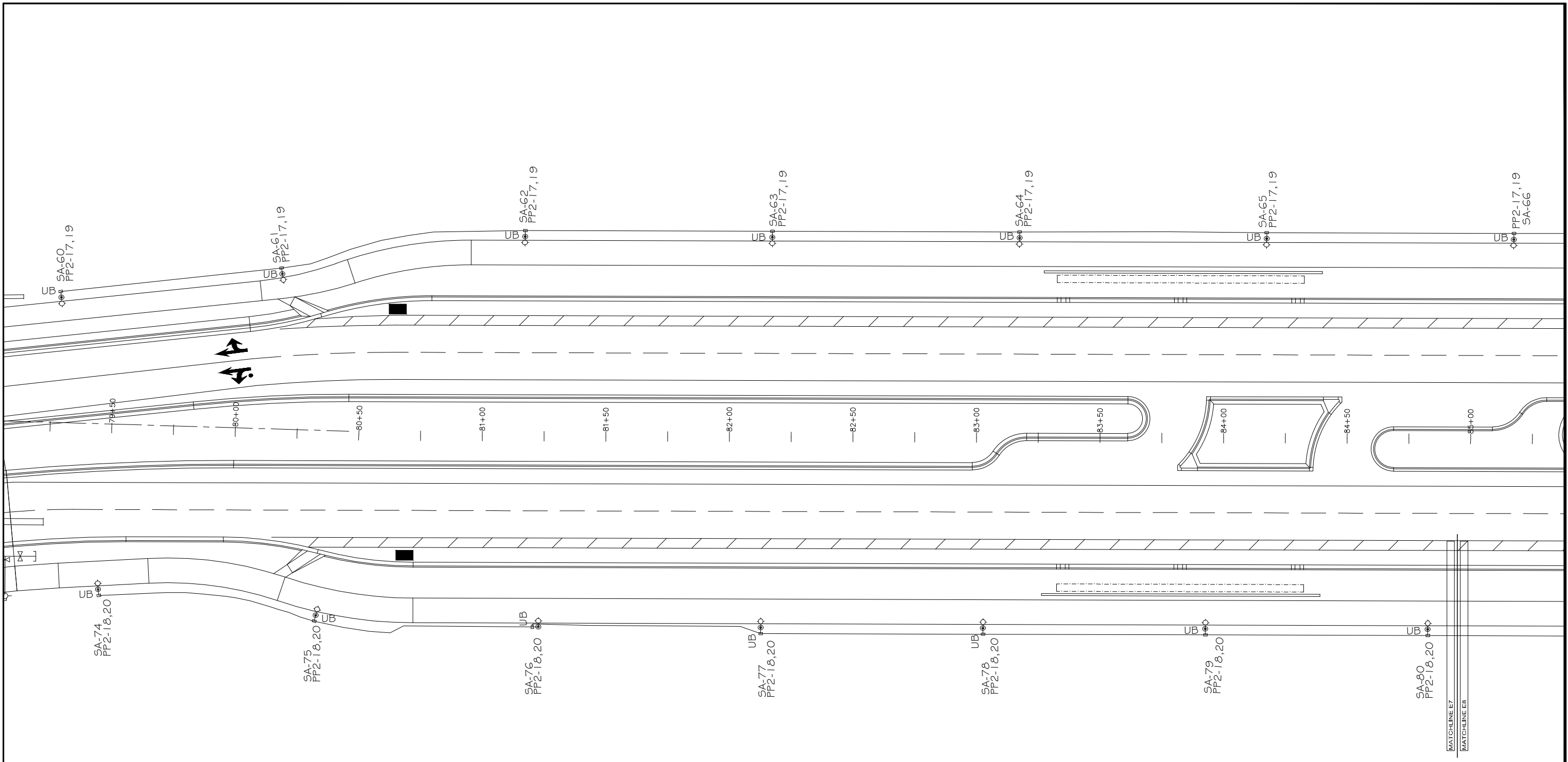
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1	ADDED "HAWK" SUPPLY	5/8/2025	AJM	5/22/25
REVISION 2			DESIGNED BY	DATE
REVISION 3			AJM	5/22/25
REVISION 4			CHECKED BY	DATE
REVISION 5			AJM	5/22/25
REVISION 6			APPROVED BY	DATE
REVISION 7			BH	5/22/25



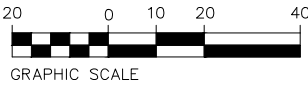
PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



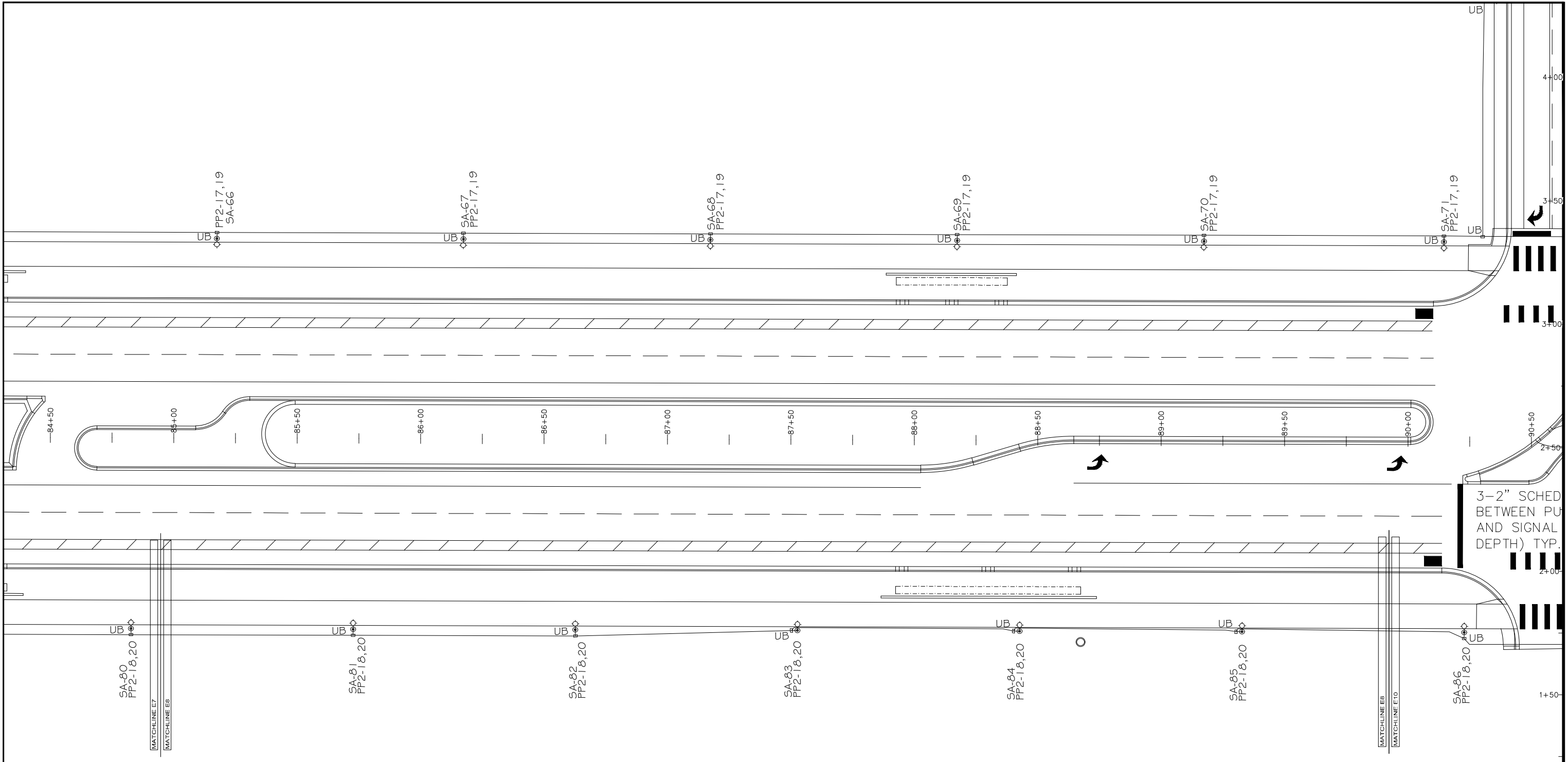
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			DESIGNED BY	DATE
REVISION			CHECKED BY	DATE
REVISION			APPROVED BY	DATE



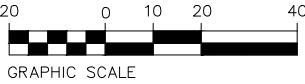
PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

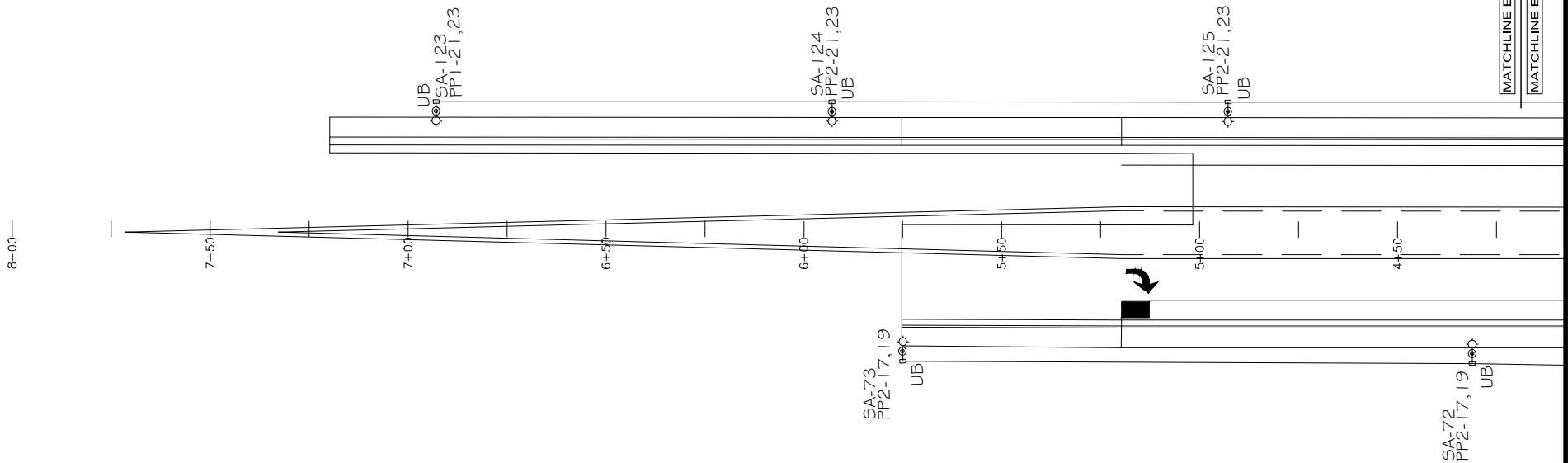
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.	5/22/25	AJM	5/22/25
2	LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.	5/22/25	AJM	5/22/25
3	PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.	5/22/25	AJM	5/22/25
4	PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL	5/22/25	BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

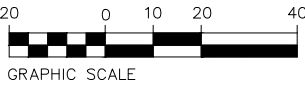
FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

E8
of 26



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

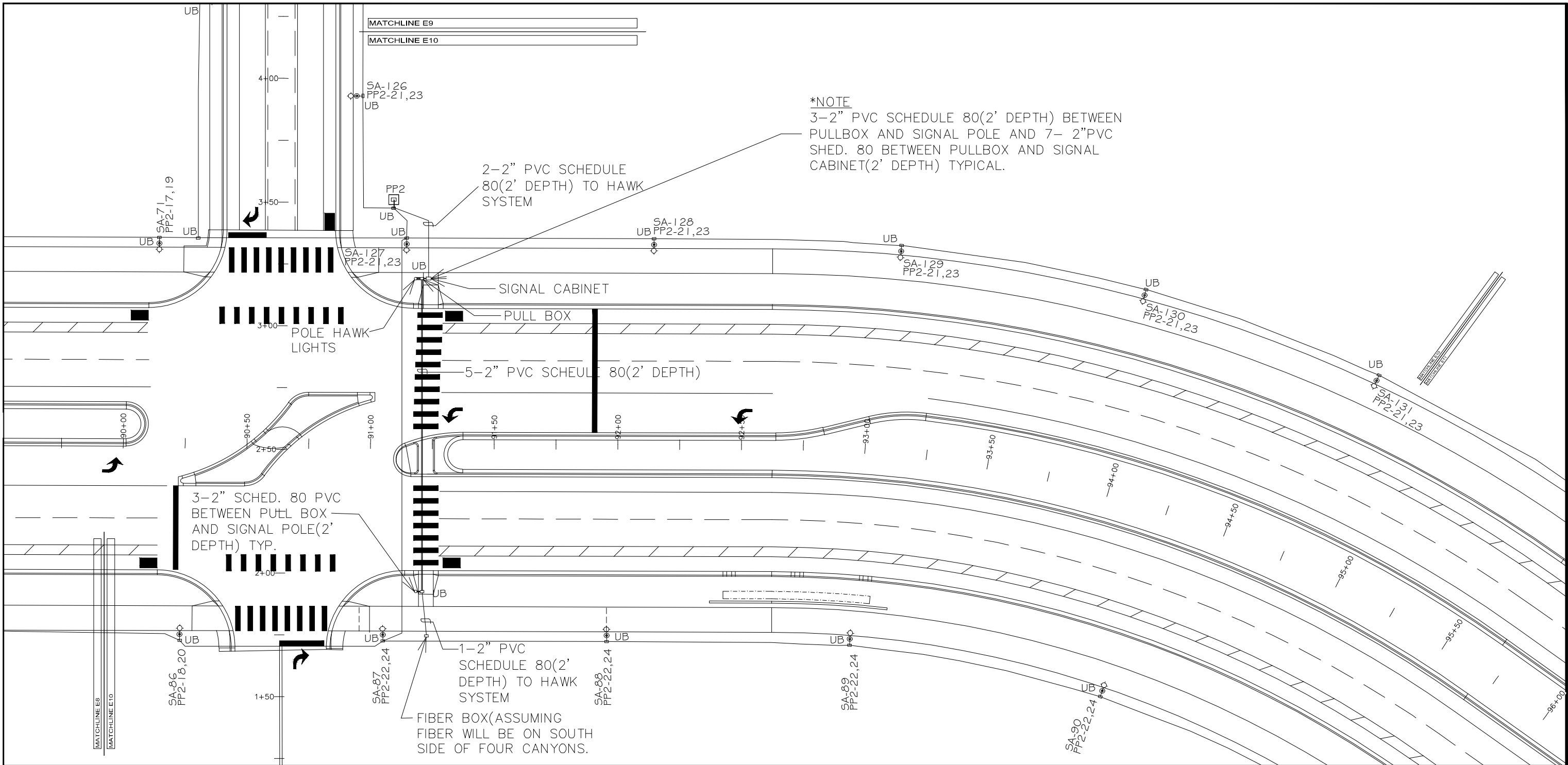
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			AJM	5/22/25
△			DESIGNED BY	DATE
△			AJM	5/22/25
△			CHECKED BY	DATE
△			AJM	5/22/25
△			APPROVED BY	DATE
△			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

E9
of 26



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL .
5. CONTRACTOR SHALL POTHOLE EXISTING IRRIGATION AND STORM DRAWING AND ADJUST POLE, PULL BOX, SIGNAL CABINET, AND LOCATIONS AS NEEDED.
6. COORDINATE WIRING AND INSTALLATION OF POLES, SIGNAL CABINET AND CONDUIT FOR "HAWK" CROSSING SYSTEM WITH GRAND JUNCTION TRAFFIC DEPARTMENT PRIOR TO ROUGH-IN.
7. COORDINATE EXACT LOCATION OF POLES, CABINETS AND PULL BOXES FOR "HAWK" CROSSING WITH GRAND JUNCTION TRAFFIC PRIOR TO ROUGH-IN.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1	ADDED "HAWK" SUPPLY	5/8/2025	AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

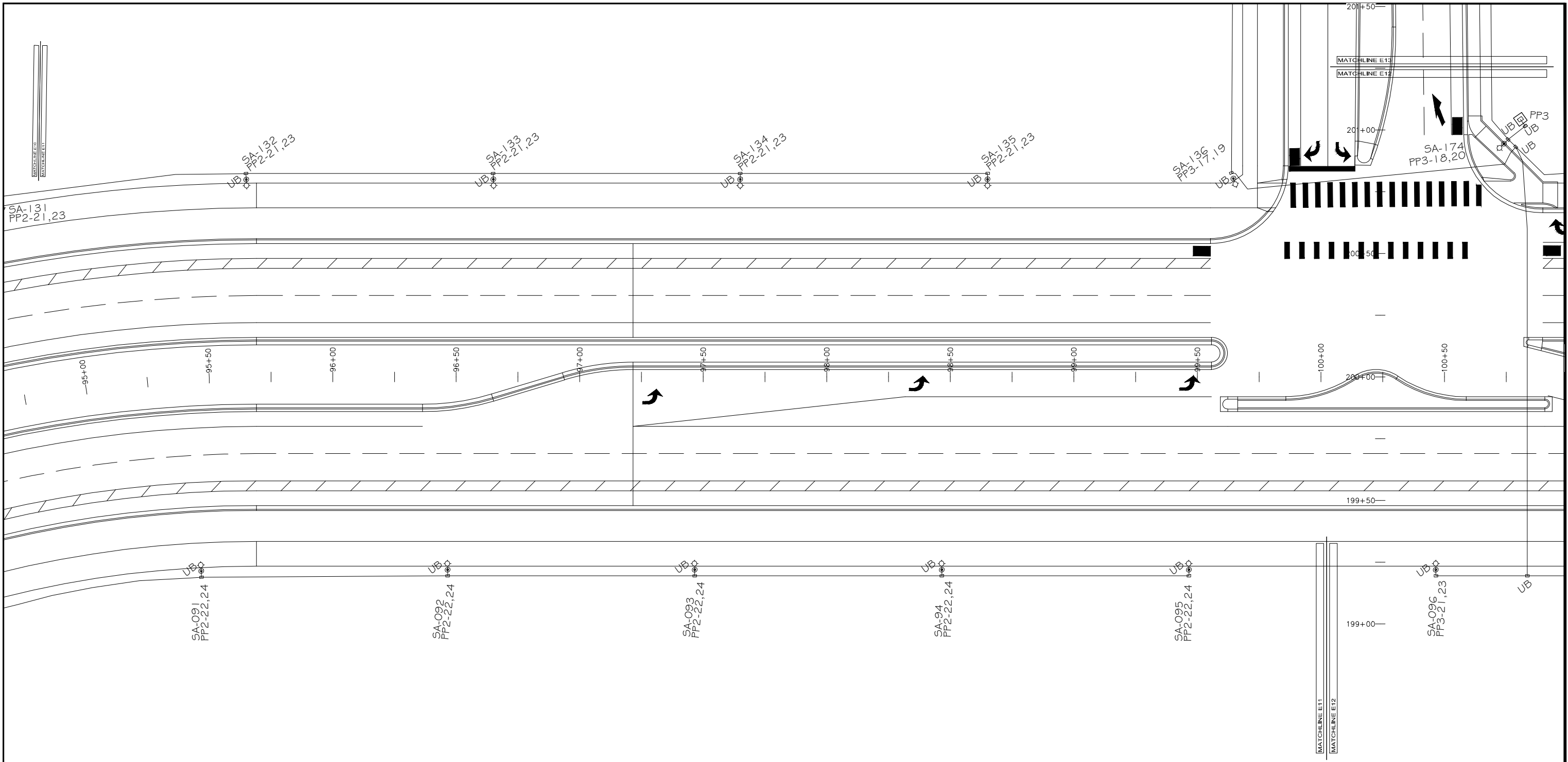
E10
of 26



Know what's below.
Call before you dig.

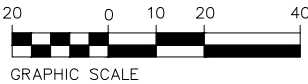


ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



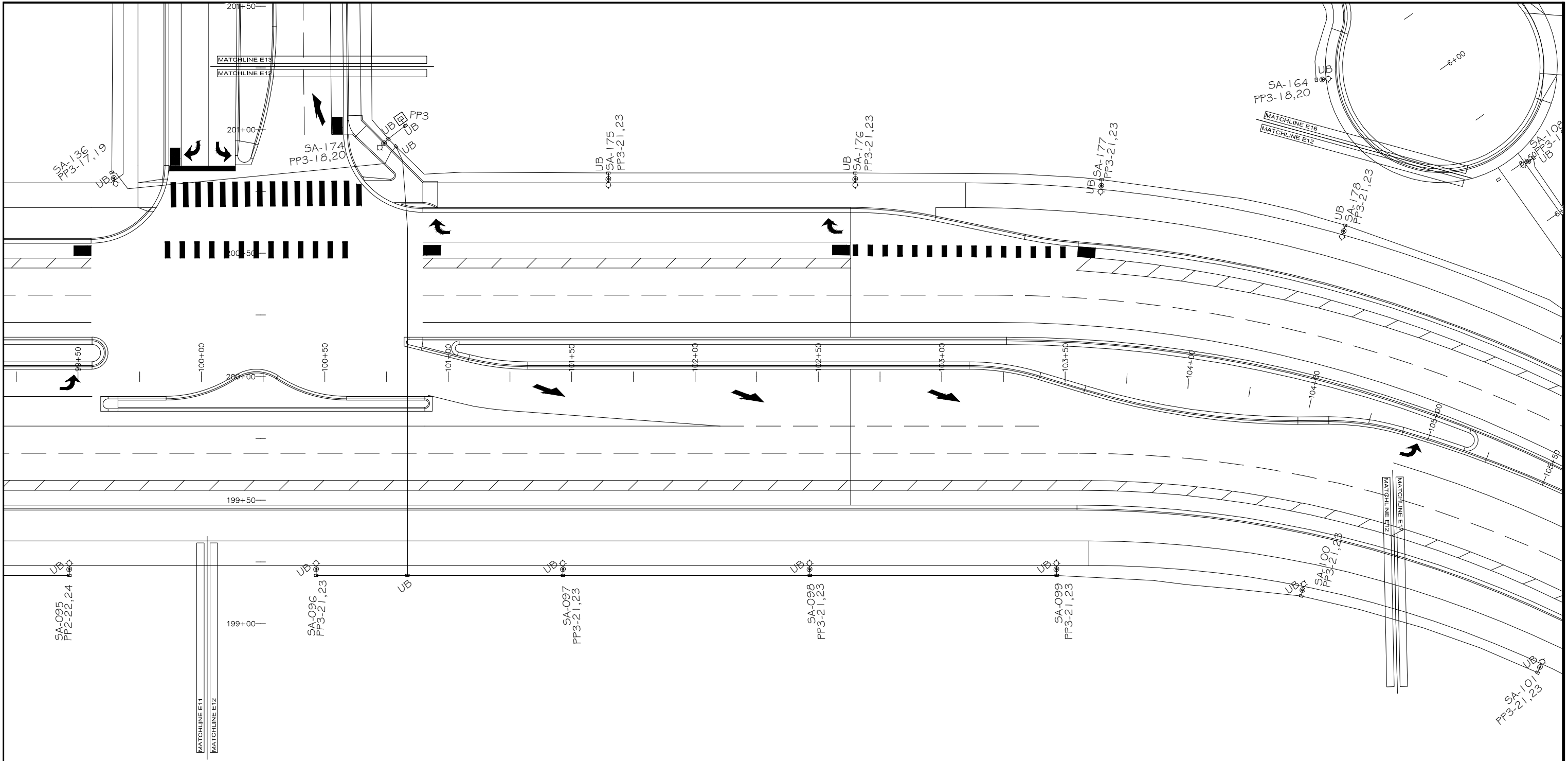
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25

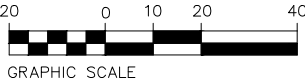


PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN
SCALE: 1"=40'



GENERAL NOTES:

- 1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
- 2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
- 3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
- 4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



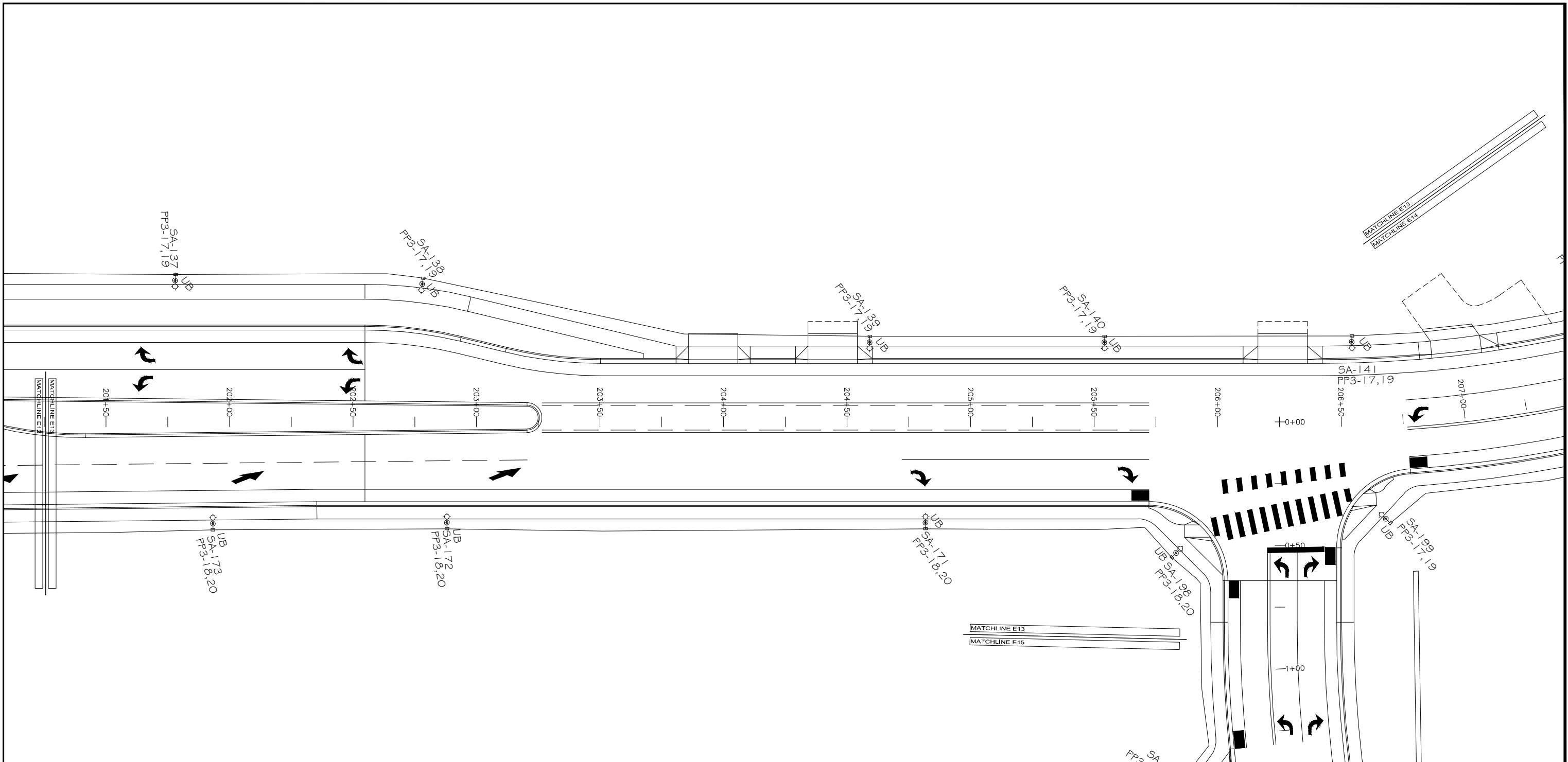
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25



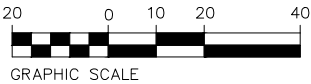
PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



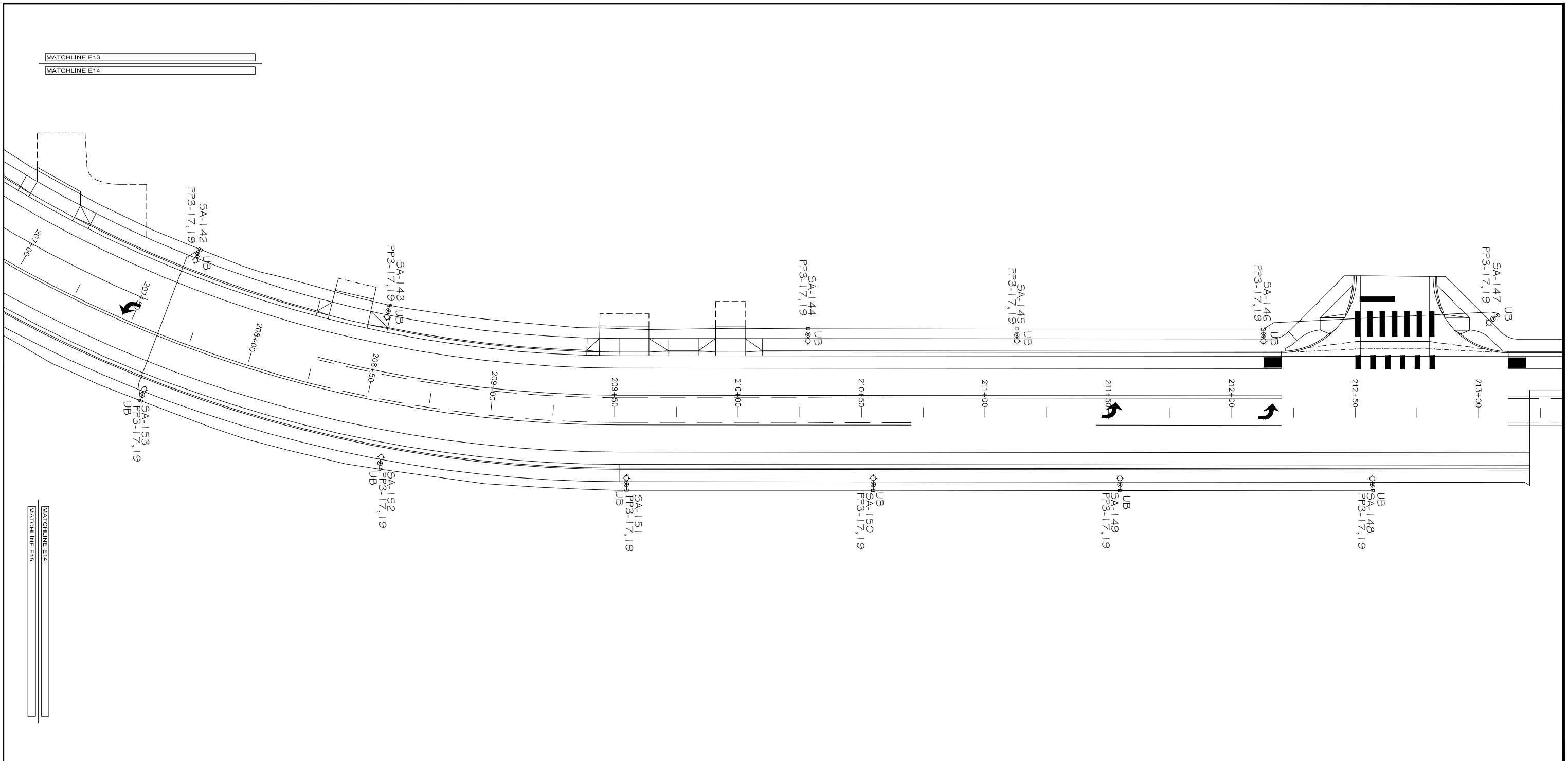
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25

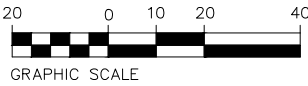


PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN
SCALE: 1"=40'



GENERAL NOTES:

- 1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
- 2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
- 3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
- 4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



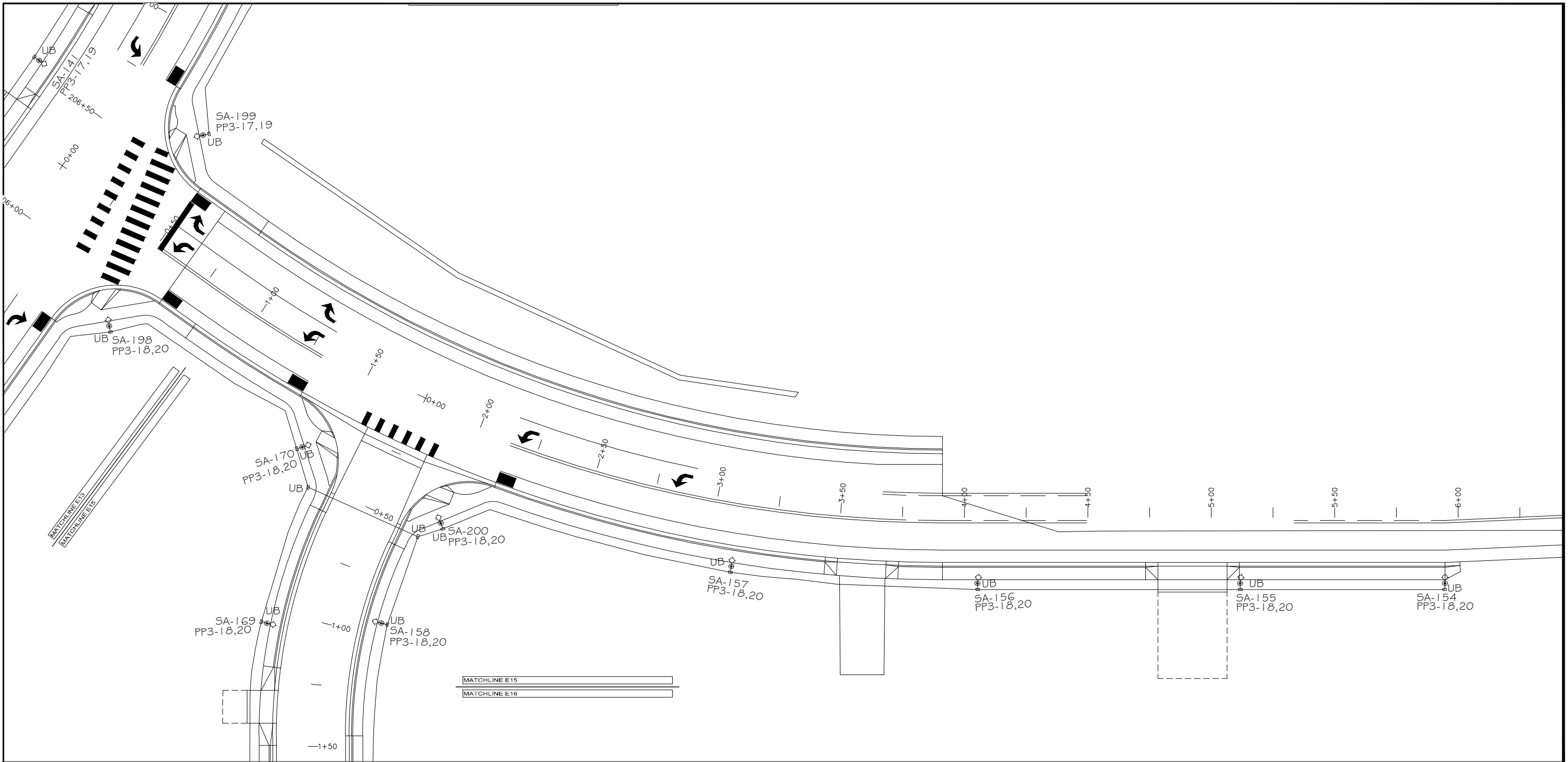
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

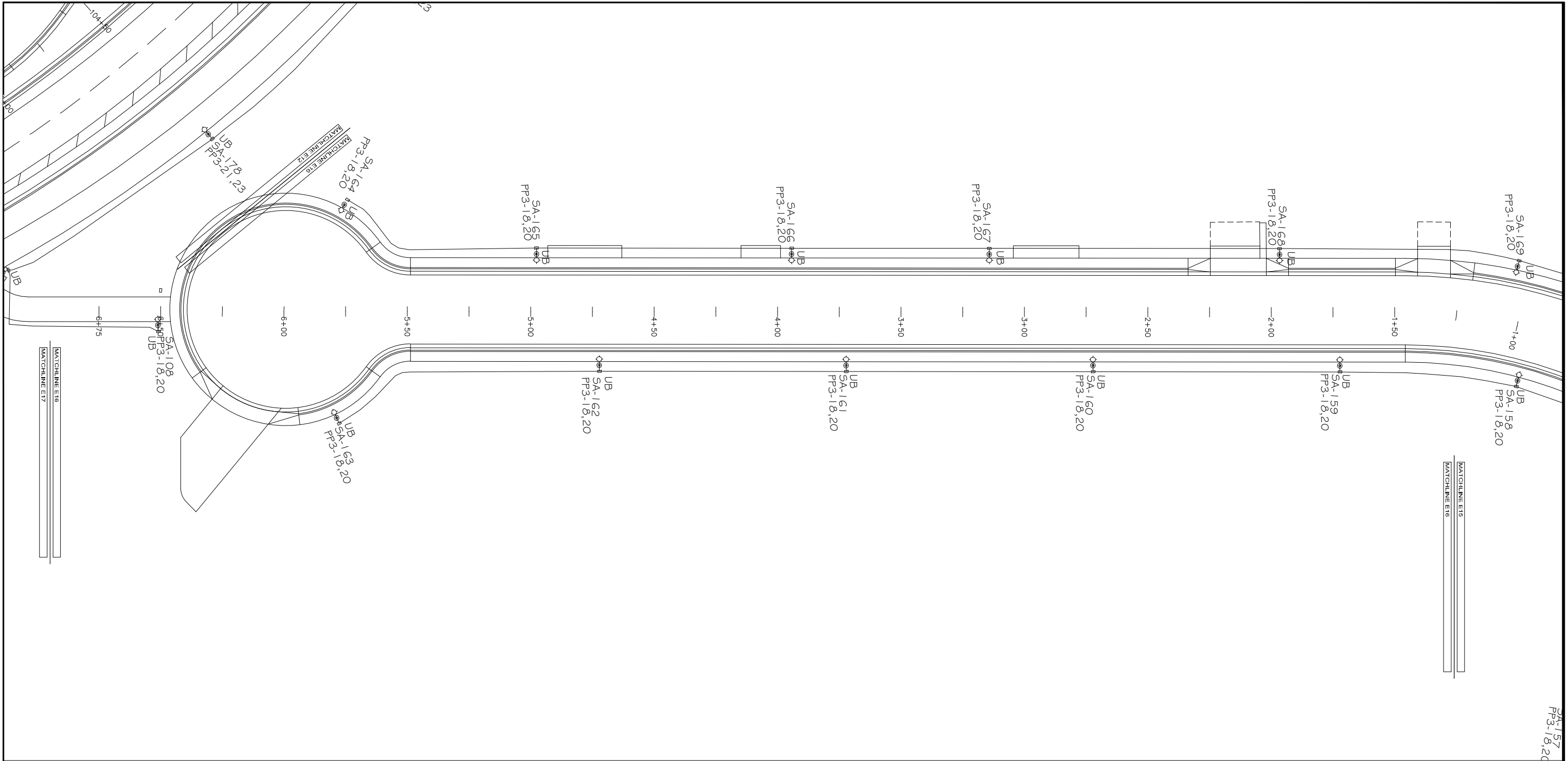
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			DESIGNED BY	DATE
REVISION			CHECKED BY	DATE
REVISION			APPROVED BY	DATE



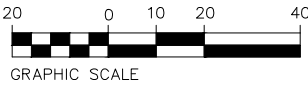
PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

E15
of 26



LIGHTING/ELECTRICAL PLAN
SCALE: 1"=40'



- GENERAL NOTES:
- 1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
 - 2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
 - 3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
 - 4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



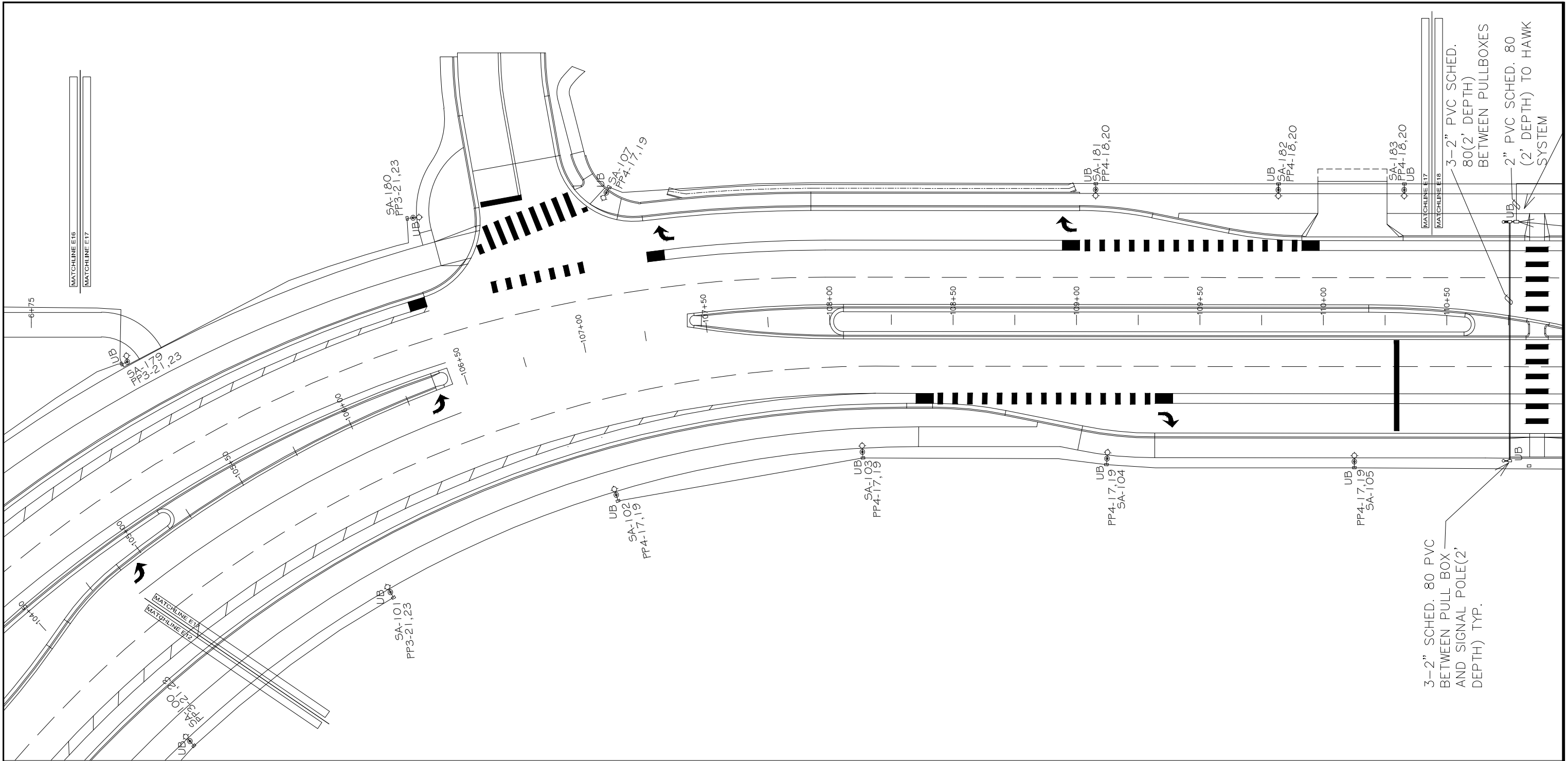
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.	5/22/25	AJM	5/22/25
2	LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.	5/22/25	AJM	5/22/25
3	PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.	5/22/25	AJM	5/22/25
4	PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL	5/22/25	AJM	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

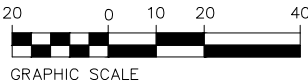


3-2" SCHED. 80 PVC
BETWEEN PULL BOX
AND SIGNAL POLE(2'
DEPTH) TYP.

3-2" PVC SCHED.
80(2' DEPTH)
BETWEEN PULLBOXES
2" PVC SCHED. 80
(2' DEPTH) TO HAWK
SYSTEM

LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1			AJM	5/22/25
2			AJM	5/22/25
3			AJM	5/22/25
4			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

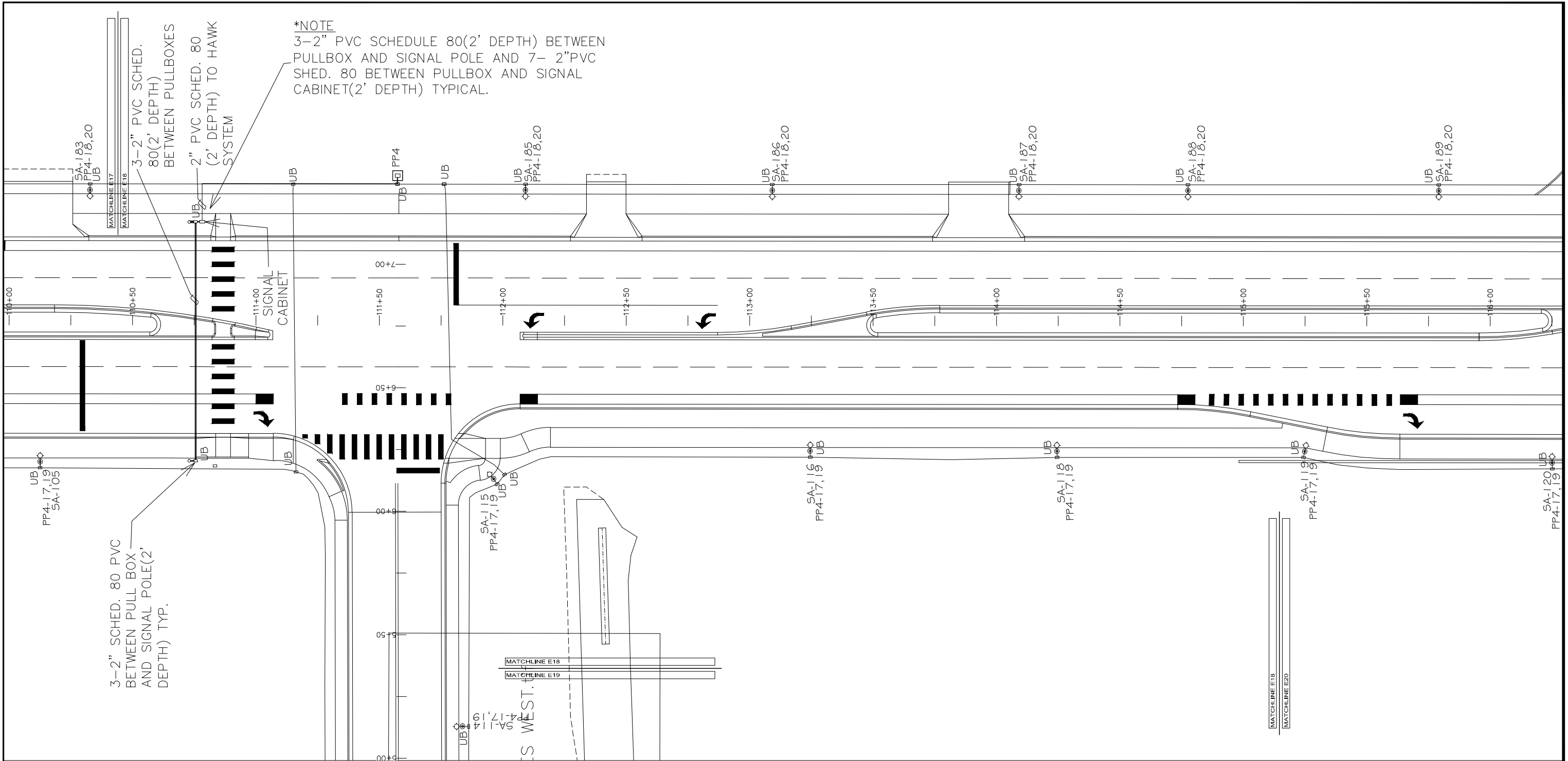
FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



Know what's below.
Call before you dig.

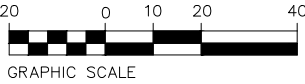


ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL .
5. CONTRACTOR SHALL POTHOLE EXISTING IRRIGATION AND STORM DRAWING AND ADJUST POLE, PULL BOX, SIGNAL CABINET, AND LOCATIONS AS NEEDED.
6. COORDINATE WIRING AND INSTALLATION OF POLES, SIGNAL CABINET AND CONDUIT FOR "HAWK" CROSSING SYSTEM WITH GRAND JUNCTION TRAFFIC DEPARTMENT PRIOR TO ROUGH-IN.
7. COORDINATE EXACT LOCATION OF POLES, CABINETS AND PULL BOXES FOR "HAWK" CROSSING WITH GRAND JUNCTION TRAFFIC PRIOR TO ROUGH-IN.



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE
REVISION Δ	ADDED "HAWK" SUPPLY	5/8/2025
REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY	AJM	DATE	5/22/25
DESIGNED BY	AJM	DATE	5/22/25
CHECKED BY	AJM	DATE	5/22/25
APPROVED BY	BH	DATE	5/22/25

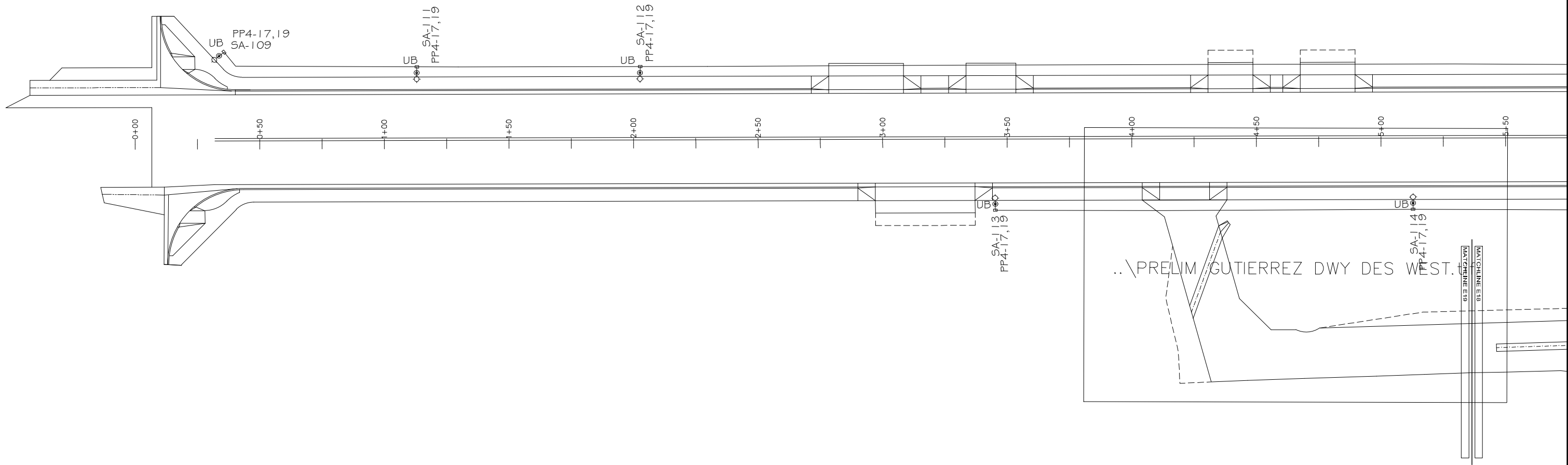


PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

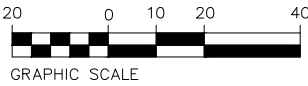
E18
of 26

3-2" SCHED. 80
BETWEEN PULL B
AND SIGNAL POL
DEPTH) TYP.



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

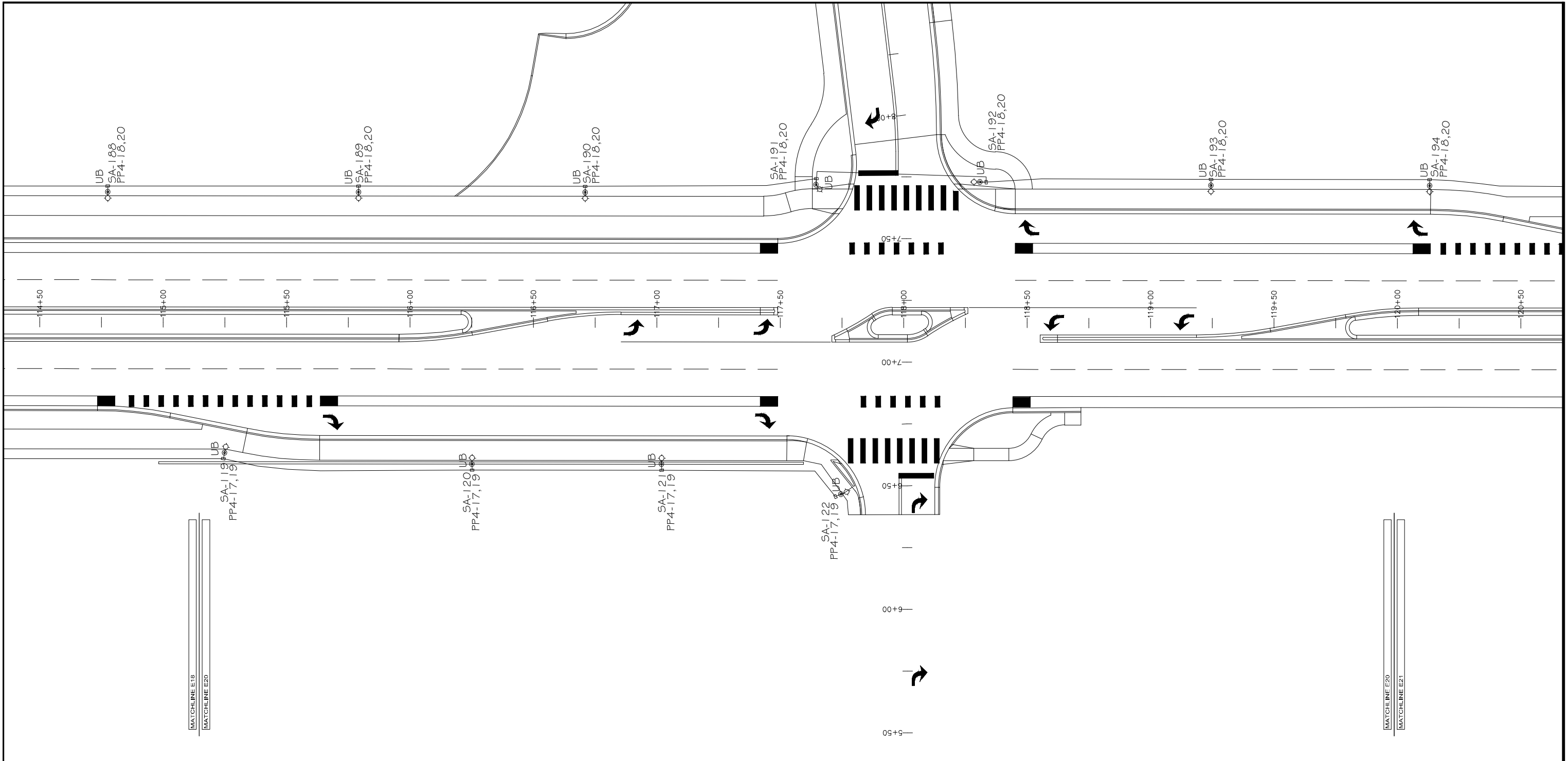
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			AJM	5/22/25
△			DESIGNED BY	DATE
△			AJM	5/22/25
△			CHECKED BY	DATE
△			AJM	5/22/25
△			APPROVED BY	DATE
△			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

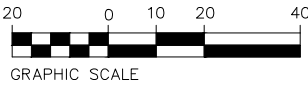
FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

E19
of 26



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL



Know what's below.
Call before you dig.



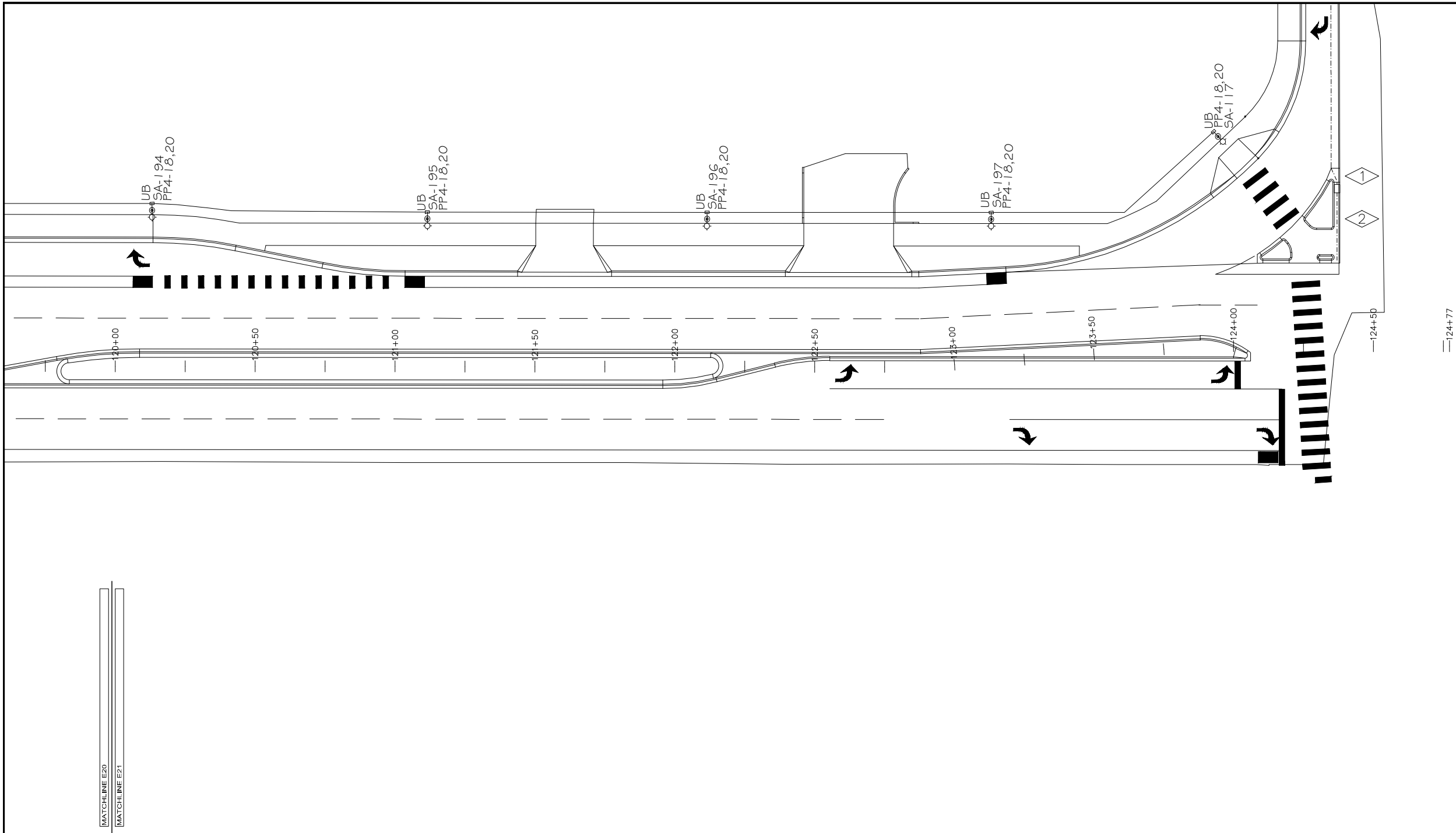
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1			AJM	5/22/25
2			AJM	5/22/25
3			AJM	5/22/25
4			AJM	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN



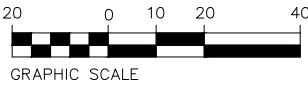
MATCHLINE E20
MATCHLINE E21

GENERAL NOTES:

1. POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
2. LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
3. PROVIDE 2-#4 THWN + #8GND IN 2" PVC SCHEDULE 80 CONDUIT BETWEEN PULL BOXES UNLESS SHOWN OTHERWISE, TYPICAL. WIRE LIGHTS IN PARALLEL NOT SERIES TO REDUCE VOLTAGE DROP.
4. PROVIDE 2" PVC SCHEDULE 80 CONDUIT FOR FIBER OPTIC CABLE, WITH PULL STRING. INSTALL IN SAME TRENCH AS ELECTRICAL

LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



FLAG NOTES:

- 1 NEW TRAFFIC SIGN TO BE INSTALLED, COORDINATE EXACT LOCATION, INSTALLATION AND POWER REQUIREMENTS WITH TRAFFIC PRIOR TO ROUGH-IN.
- 2 EXISTING POWER FEEDS TO EXISTING TRAFFIC SIGN TO BE PRESERVED AND REUSED.



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			AJM	5/22/25
REVISION 2			AJM	5/22/25
REVISION 3			AJM	5/22/25
REVISION 4			AJM	5/22/25

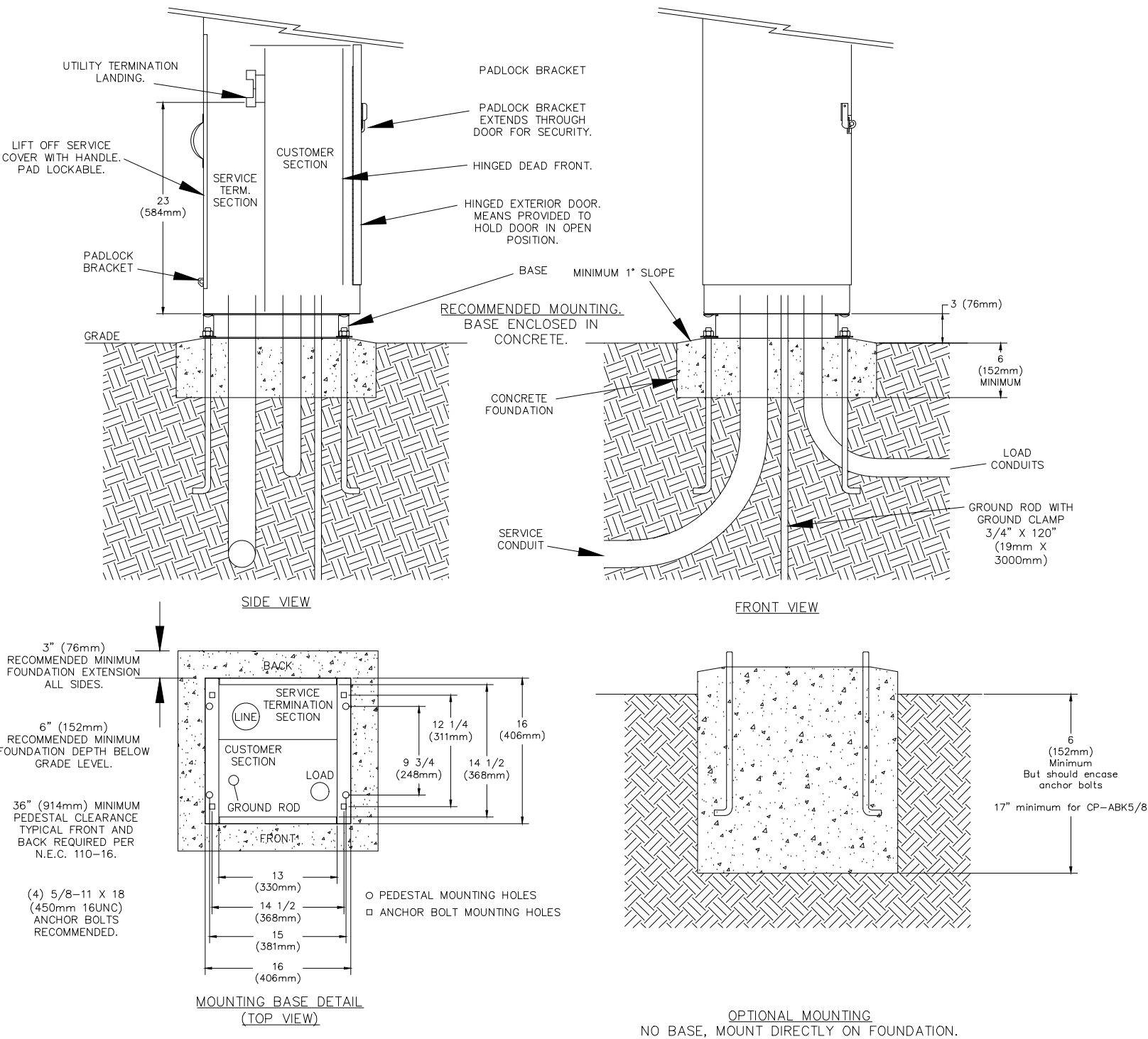
DESIGNED BY AJM DATE 5/22/25
CHECKED BY AJM DATE 5/22/25
APPROVED BY BH DATE 5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
SITE LIGHTING PLAN

E21
of 26



NOTES

- CONTROL CABINET SHALL BE U/L LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- CONSTRUCTION SHALL BE NEMA 3R, 12 GA. A60 STEEL POWDER COATED MINT GREEN WITH PHOTO ELECTRIC CELL IN SERVICE CABINET. ELECTRICAL CONTRACTOR TO PROVIDE PHOTOCELL.
- VOLTAGE RATINGS OF SERVICE EQUIPMENT SHALL CONFORM TO THE SERVICE VOLTAGES INDICATED ON THE PLANS.
- SERVICE EQUIPMENT ENCLOSURE AND METERING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE SERVING UTILITY. WHEN THE SERVING UTILITY PROVIDES BOTH METERED AND UN-METERED CIRCUITS, A SEPARATE BUS SHALL BE PROVIDED FOR EACH CIRCUIT. THE METER AREA SHALL HAVE A SEALING, LOCKABLE, RAIN TIGHT COVER THAT CAN BE REMOVED WITHOUT THE USE OF TOOLS.
- SERVICE EQUIPMENT SHALL BE FACTORY WIRED AND CONFORM TO NEMA STANDARDS.
- THE EXTERIOR DOOR SHALL HAVE PROVISIONS FOR PADLOCKING. THE PADLOCK HOLE SHALL BE A MINIMUM DIAMETER OF 11mm.
- ALL TERMINALS FOR INCOMING SERVICE CONDUCTORS SHALL BE COMPATIBLE WITH EITHER COPPER OR ALUMINUM CONDUCTORS SIZED TO SUIT THE CONDUCTORS SHOWN ON THE PLAN. TERMINAL LUGS SHALL BE COPPER OR TIN-PLATED ALUMINUM. SOLID NEUTRAL TERMINAL STRIP SHALL BE RATED 125A UNLESS OTHERWISE SPECIFIED AND FOR USE WITH COPPER OR ALUMINUM CONDUCTORS. THE TERMINAL SHOULD INCLUDE BUT NOT BE LIMITED TO:
 - INCOMING TERMINALS (LANDING LUGS)
 - NEUTRAL LUGS
 - SOLID NEUTRAL TERMINAL STRIP.
 - TERMINAL STRIPS FOR CONDUCTORS WITHIN THE ENCLOSURE.
- AT LEAST 4 STANDARD SINGLE POLE 208V AND 1 SINGLE POLE 120 CIRCUIT BREAKER SPACES (20mm NOMINAL) SHALL BE PROVIDED FOR BRANCH CIRCUITS. CIRCUIT BREAKER INTERIORS SHALL BE COPPER. INTERIORS SHALL ACCEPT PLUG-IN OR CABLE-IN/ CABLE-OUT CIRCUIT BREAKERS.
- PLUG-IN CIRCUIT BREAKERS MAY BE MOUNTED IN THE VERTICAL OR HORIZONTAL POSITION. CABLE-IN/ CABLE-OUT CIRCUIT BREAKERS SHALL BE MOUNTED IN THE VERTICAL POSITION.
- FASTENERS ON THE EXTERIOR OF THE ENCLOSURE SHALL BE VANDAL RESISTANT AND SHALL NOT BE REMOVABLE FROM THE EXTERIOR. ALL NUTS, BOLTS, SCREWS, WASHERS, AND HINGES SHALL BE STAINLESS STEEL.
- PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- FOUNDATION SHALL EXTEND 50mm MINIMUM BEYOND EDGE OF ENCLOSURE.
- PANELS TO BE ORIENTED SO THAT PHOTOCELL WILL BE ORIENTED NORTH, TYPICAL.

B
1
TYPICAL POWER PEDESTAL/LIGHTING CONTROL CENTER (SPECIAL) PLAN
NOT TO SCALE



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

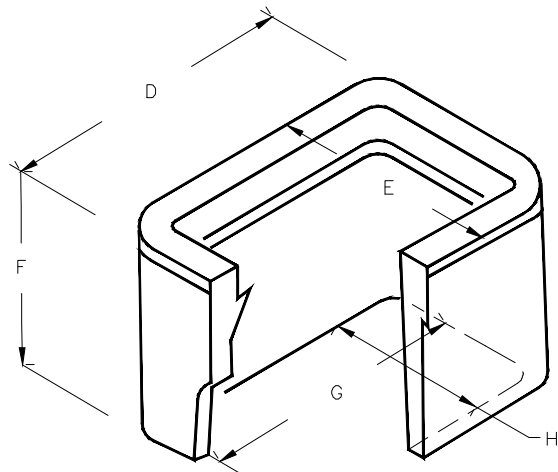
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1			AJM	5/22/25
2			AJM	5/22/25
3			AJM	5/22/25
4			AJM	5/22/25
5			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
PEDESTAL DETAILS

E22
of 26



STREET LIGHT, FIBER AND PEDESTRIAN LIGHT PULL BOX

NOTES:

- PULL BOXES, PULL BOX COVERS AND EXTENSIONS SHALL BE MADE OF FIBERGLASS REINFORCED POLYMER CONCRETE. PULL BOXES SHALL BE VERIFIED BY A 3RD PARTY NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY AS MEETING ALL TEST PROVISIONS OF THE LATEST ANSI/SCTE 77 SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY, TIER 22 RATING. CERTIFICATION DOCUMENTS SHALL BE SUBMITTED WITH MATERIALS SUBMITTALS. THE PULL BOX SHALL HAVE A DETACHABLE COVER WITH A SKID RESISTANT SURFACE AND HAVE THE WORDS ELECTRICAL CAST INTO THE SURFACE. PAINTING THE WORDS SHALL NOT BE ACCEPTED. MARKINGS SHOWING THE TIER 22 RATING MUST BE LABELED OR STENCILED ON THE INSIDE AND OUTSIDE OF THE BOX AND ON THE UNDER SIDE OF THE COVER. THE COVER SHALL BE ATTACHED TO THE PULL BOX BODY BY MEANS OF A MINIMUM 3/8 - 7 UNIFIED NATIONAL COURSE (UNC) STAINLESS STEEL PENTA HEAD BOLTS AND SHALL HAVE TWO LIFT SLOTS TO AID IN THE REMOVAL OF THE LID.
- PULL SLOTS SHALL BE RATED FOR A MINIMUM PULL OUT OF 3,000 POUNDS. MAGNESIUM CHLORIDE TESTS SHOULD BE PERFORMED IN ACCORDANCE WITH THE LATEST ANSI/SCTE 77 SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY, TIER 22 RATING.
- PROVIDE AT LEAST 6 INCHES OF PEA GRAVEL MEASURED FROM BOTTOM OF PULL BOX FOR DRAINAGE. PEA GRAVEL IS INCLUDED IN PULL BOX PAY ITEM.
- DIMENSIONS SHOWN HERE FOR LAYOUT AND PLANNING PURPOSES. CONTRACTOR SHALL RELY ON MANUFACTURER DETAILS.
- ELECTRIC PULLBOX WILL BE LABELED "ELECTRIC", FIBER PULLBOX WILL BE LABELED "GJ FIBER"
- ELECTRIC WILL BE TYPE 2 AND FIBER WILL BE TYPE 3.
- WEATHERPROOF TAGS SHALL BE INSTALLED ON ALL FIBER CABLES AND SHALL BE INCLUDED IN THE COST OF ELECTRICAL CONDUIT ITEM.
- TRACER WIRE AND PULL ROPE SHALL BE INCLUDED IN THE COST OF ELECTRICAL CONDUIT ITEM.
- MAIN BACKBONE AND LATER FIBER CONDUIT: IF INSTALLATION INCLUDES MULTIPLE RUNS OF CONDUIT, PULL ROPE SHALL BE INSTALLED IN EACH INDIVIDUAL CONDUIT. TRACER WIRE SHALL BE INSTALLED IN ONLY ONE CONDUIT. IF INSTALLATION INCLUDES ONLY ONE RUN OF CONDUIT, PULL ROPE AND TRACER WIRE SHALL BE INSTALLED IN SAME CONDUIT AS FIBER CABLE.

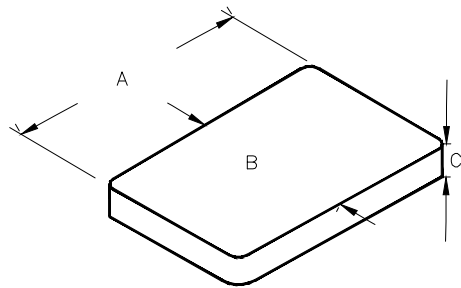


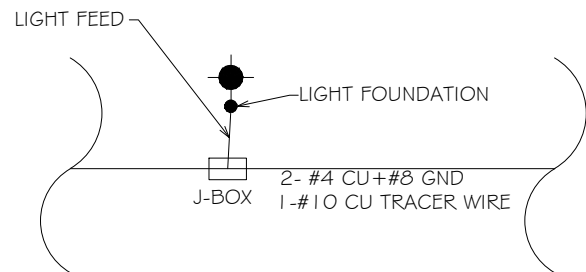
TABLE OF DIMENSIONS (MINIMUMS)									
TYPE	DESCRIPTION	DIMENSIONS (IN.)							
		A	B	C	D	E	F	G	H
1	PULL BOX - (11"x18"x12")	18 1/8	11 1/4	1 3/4	20 1/4	13 3/8	12	15 3/4	8 7/8
2	PULL BOX - (13"x24"x12")	23 1/4	13 3/4	2	25	15 1/2	12	19 1/4	9 3/4
3	PULL BOX - (17"x30"x12")	30 1/2	17 1/2	2	32 1/4	19 1/4	12	26 1/2	13 1/2
4	PULL BOX - (24"x36"x24")	35 5/8	24	3	37 5/8	26	24	30 1/8	18 1/2
5	PULL BOX - (30"x48"x24")	47 5/8	30	3	49 5/8	32 1/8	24	45 5/8	28 1/8

- DIRECTION OF FIBER OPTIC CABLE RUN (BACKBONE AND LATERAL CABLES)
- DEVICE ATTACHED (LATERAL CABLE)
- FOOTAGE MEASUREMENT AT PULL BOX (TMS) LOCATION (BACKBONE LATERAL CABLES)
- FIBER MANUFACTURER SERIAL NUMBER (BACKBONE LATERAL CABLES)
- NUMBER OF FIBERS IN CABLE (BACKBONE LATERAL CABLES)
- DATE OF INSTALLATION (BACKBONE LATERAL CABLES)

FIBER CABLE LABEL

TO BE ATTACHED TO EACH FIBER OPTIC CABLE LOCATED IN ALL PULL BOXES

C 1 TYPICAL UTILITY BOX DETAIL NOT TO SCALE

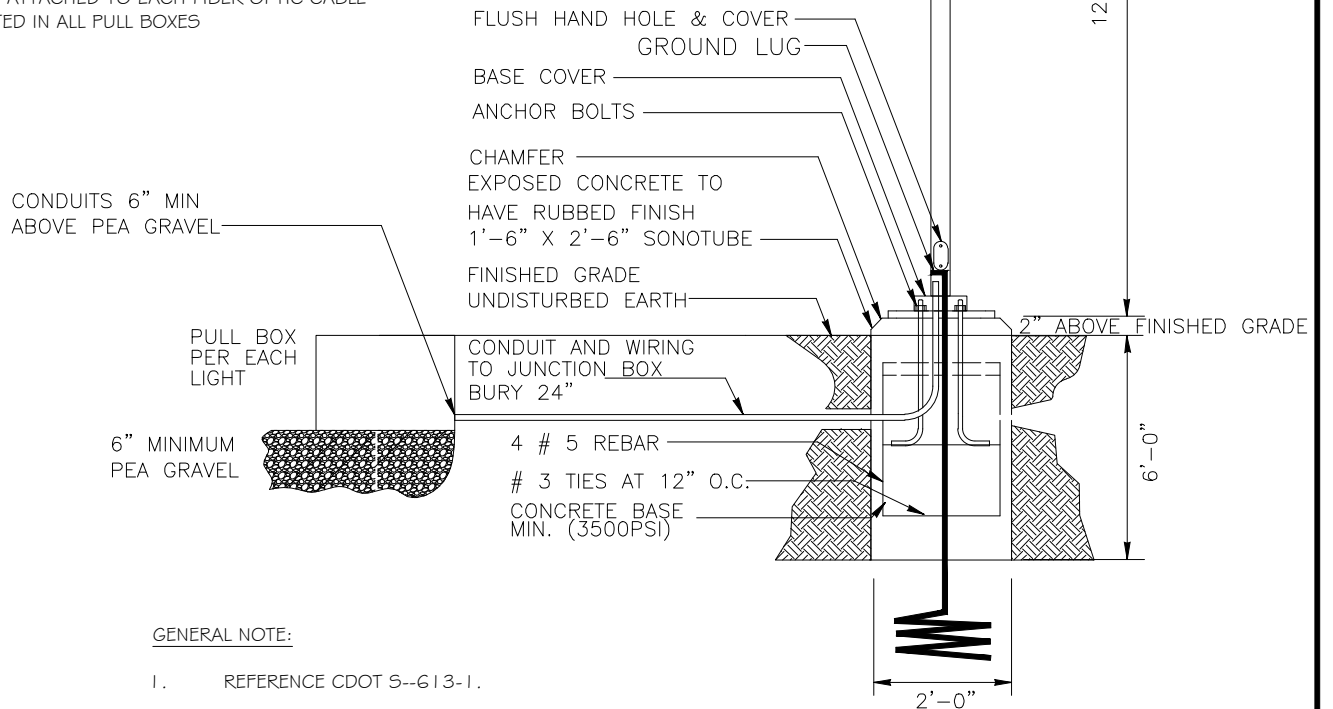


C 2 UTILITY BOX CONNECTION DETAIL NOT TO SCALE

NOTES:

- ALL WIRING TO LIGHTS WILL BE WIRED IN PARALLEL NOT IN SERIES WITH #4 WIRE FEED TO REDUCE VOLTAGE DROP.
- PROVIDE #10 TRACER WIRE IN ALL NEW CONDUIT.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER MODEL NUMBER	APPROVAL	VOLTAGE MOUNTING # OF LAMPS	BALLAST LAMPE TYPE LAMP CAT. #	DESCRIPTION
SA	STERNBERG LIGHTING 1A-1527LED-R-12L-40-T2-MDL018-SV1-EZ-HSS-QAPT450P414-.125/BK	OWNER REQUESTED	240 POLE 1	ELECTRONIC LED 86 W	PEDESTRIAN LUMINAIRE, ARM MOUNTED, LED, CUTOFF, ORDER POLE SO THAT LAMP HEIGHT IS 12' AFG MEASURED AT BOTTOM OF LUMINAIRE. ORDER WITH BRD ARM COLOR OF POLE AND ARM TO MATCH POLE.



GENERAL NOTE:

- REFERENCE CDOT 5--613-1.

C 3 TYPICAL TYPE SA LIGHT DETAIL NOT TO SCALE



Know what's below.
Call before you dig.



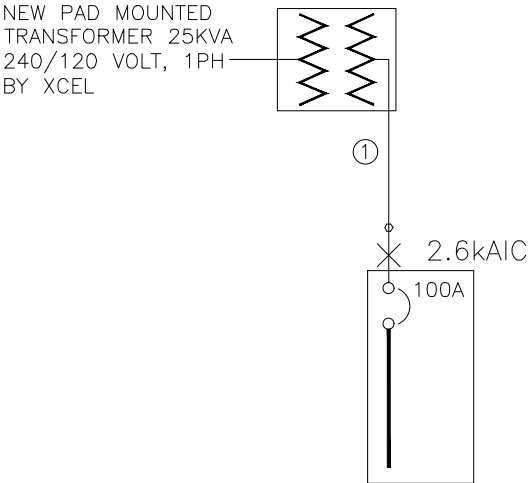
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1			AJM	5/22/25
2			AJM	5/22/25
3			AJM	5/22/25
4			BH	5/22/25

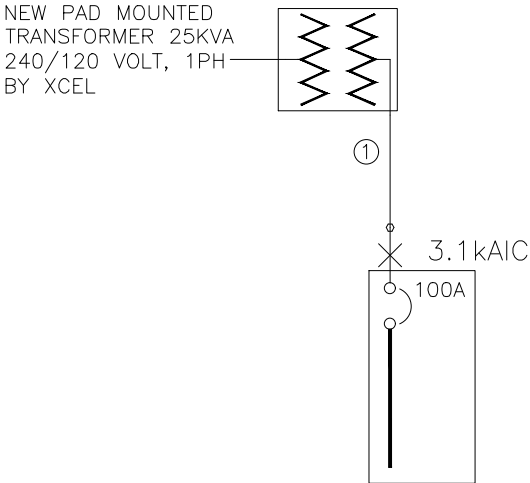


PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
LIGHTING DETAILS

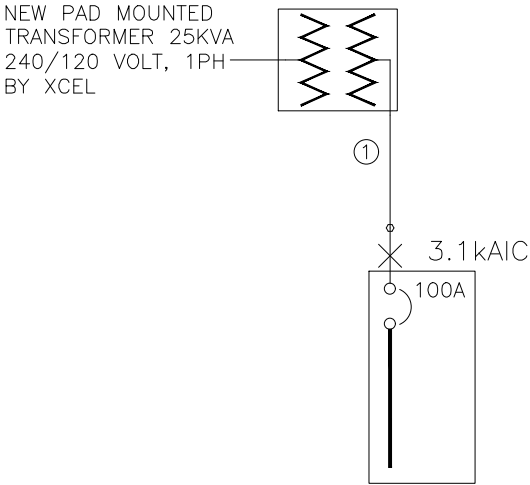


NEW "PP2" 100A MCB MILBANK
PEDESTAL CP3B51C1HA22CSXCSL12,
12 UNSWITCHED/12 SWITCHED CKTS
240/120V 1PH, 3W
22 kAIC



NEW "PP3" 100A MCB MILBANK
PEDESTAL CP3B51C1HA22CSXCSL12,
12 UNSWITCHED/12 SWITCHED CKTS
240/120V 1PH, 3W
22 kAIC

① 1 SET(S)[2" PVC
SCHED. 80
(3#3(CU,THWN)+1#8(CU)GND)]



NEW "PP4" 100A MCB MILBANK
PEDESTAL CP3B51C1HA22CSXCSL12,
12 UNSWITCHED/12 SWITCHED CKTS
240/120V 1PH, 3W
22 kAIC

A ONE-LINE DIAGRAM
1 NOT TO SCALE

- GENERAL NOTES:
1. IN AS MUCH AS DESIGN REQUIRES THAT CERTAIN ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS, AND BECAUSE SOME OF THESE ASSUMPTIONS CANNOT BE VERIFIED. FIELD COORDINATION DURING CONSTRUCTION SERVICES IS IMPERATIVE. CONTRACTORS BIDDING THIS WORK MUST MAKE REASONABLE ALLOWANCES FOR UNFORESEEN CONTINGENCIES.
 2. THE SERVING ELECTRICAL ASSOCIATION SHALL ADVISE THE OWNER/ENGINEER PRIOR TO SERVICE MODIFICATION REQUIRING COST TO THE OWNER.
 3. REFERENCE CIVIL, LANDSCAPE AND IRRIGATION DRAWING PLANS FOR COORDINATION AND LOCATION OF ALL UNDER GROUND SYSTEMS.
 4. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES AS REQUIRED: REFERENCE CIVIL LANDSCAPE AND IRRIGATION DRAWINGS.
 5. ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWINGS, FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.
 6. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.
 7. ALL WIRE TO LIGHTING TO BE #4 UNLESS NOTED OTHERWISE.
 8. CONDUCTOR COUNT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL ENSURE THAT ANY AND ALL DEVICES AND EQUIPMENT ARE CIRCUITED PROPERLY. CONTRACTOR SHALL ENSURE THAT NO EQUIPMENT OR DEVICES ARE COMBINED OTHER THAN WHAT IS DEPICTED.
 9. FIELD VERIFY ALL DIMENSIONS, DO NOT SCALE DRAWINGS.
 10. COORDINATE INSTALLATION OF METER AND ELECTRICAL REQUIREMENTS WITH XCEL ENERGY.
 11. NEW PEDESTAL MUST MEET ALL XCEL ENERGY REQUIREMENTS I.E. COLD SEQUENCE PADLOCK SLIP LATCH ON METER COVER, HOLD OPEN BAR ON METER HOOD.



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			AJM	5/22/25
△			AJM	5/22/25
△			AJM	5/22/25
△			BH	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
ONE-LINE DIAGRAMS

PANEL: PP2		DC DEVICE TYPE: Breaker		ENCLOSURE: NEMA 3R		MAINS(A): BKR		CONTINUOUS(A): 100	
LOCATION:		DEVICE FAMILY: Bolt On		MOUNTING: Free Standing		WIRING: Single-Phase 3-Wire		BUS SC RATING(A): 12000	
FED FROM: BUS-Sec				VOLTAGE: 240/120				FAULT CURRENT(A): 3597	
INCIDENT ENERGY: 2.52 Cal/cm2 @18.00(in)				BOUNDARY: 28.64(in)					

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
100 2 "		MAIN "	GENERAL	0	1	180			2	180	GENERAL	CONTROL POWER		15 1
				0	3		0		4					
20 1	HAWK	HAWK CABINET	SIG LTS	480	5				6					
					7		480		8	0	SPARE	SPARE		20 1
					9				10	0	SPARE	SPARE		20 1
					11		0		12	0	SPARE	SPARE		20 1
					13				14					
					15				16					
20 2 "		P2-LTS-N, NW "	NONE	420	17	810			18	390	NONE	LTS P2-LTS-SW "		20 2 "
				420	19		810		20	390				
20 2 "		LTSP2--N, NE "	NONE	390	21	660			22	270	NONE	LTS P2-LTS-SE "		20 2 "
				390	23		660		24	270				
				* PHASE TOTALS		VA		AMPS		BUS TOTALS		KVA		
				* A-N		1617.6		13.5		CONNECTED		3.49		
				* B-N		1876.2		15.6		DEMAND		3.49		
				* C-N		0.0		0.0		DESIGN		3.59		

FLAG NOTES:

1 CIRCUITS 1-16 ARE UNSWITCHED, CIRCUITS 17 TO 32 ARE SWITCHED AND CONTROLLED WITH THE CONTRACTOR SUPPLIED PHOTOCELL, TYPICAL

PANEL: PP3		DC DEVICE TYPE: Breaker		ENCLOSURE: NEMA 3R		MAINS(A): BKR		CONTINUOUS(A): 100						
LOCATION:		DEVICE FAMILY: Bolt On		MOUNTING: Free Standing		WIRING: Single-Phase 3-Wire		BUS SC RATING(A): 12000						
FED FROM: BUS-Sec				VOLTAGE: 240/120				FAULT CURRENT(A): 3597						
INCIDENT ENERGY: 2.52 Cal/cm2 @18.00(in)				BOUNDARY: 28.64(in)										
DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
100 2 "		MAIN "	GENERAL	0	1	180			2	180	GENERAL	CONTROL POWER		15 1
				0	3		0		4					
					5	0			6	0	SPARE	SPARE		20 1
					7		0		8	0	SPARE	SPARE		20 1
					9	0			10	0	SPARE	SPARE		20 1
					11				12					
					13				14					
					15				16					
20 2 "		P3-LTS-N "	NONE	540	17	1170			18	630	NONE	LTSP2-NE "		20 2 "
				540	19		1170		20	630				
20 2 "		P3-LTS-SE, NE "	NONE	360	21	360			22	0	SPARE	SPARE "		20 2 "
				360	23		360		24	0				
				* PHASE TOTALS	VA		AMPS		BUS TOTALS		KVA			
				* A-N	1677.5		14.0		CONNECTED		3.21			
				* B-N	1530.0		12.8		DEMAND		3.21			
				* C-N	0.0		0.0		DESIGN		3.21			

PANEL: PP4		DC DEVICE TYPE: Breaker		ENCLOSURE: NEMA 3R		MAINS(A): BKR		CONTINUOUS(A): 100	
LOCATION:		DC DEVICE FAMILY: Bolt On		MOUNTING: Free Standing		WIRING: Single-Phase 3-Wire		BUS SC RATING(A): 12000	
FED FROM: BUS-Sec				VOLTAGE: 240/120				FAULT CURRENT(A): 3597	
INCIDENT ENERGY: 2.52 Cal/cm2 @18.00(in)				BOUNDARY: 28.64(in)					

DC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS P
100 2 "		MAIN "	GENERAL	0	1	180			2	180	GENERAL	CONTROL POWER		15 1
				0	3		0		4					
20 1	HAWK SYS	HAWK CABINET	SIG LTS	480	5				6					
					7		480		8	0	SPARE	SPARE		20 1
					9		0		10	0	SPARE	SPARE		20 1
					11			0	12	0	SPARE	SPARE		20 1
					13				14					
20 2 "		LTSP4-N, NE "	NONE	630	15	1140			16	510	NONE	P2-LTS-NE, SE "		20 2 "
				630	17		1140		18	510				
20 2 "		SPARE "	SPARE	630	19				20					
				0	21	0			22	0	SPARE	SPARE "		20 2 "
				0	23		0		24	0				

		* PHASE TOTALS		VA		AMPS		BUS TOTALS		KVA	
		* A-N		1288.5		10.7		CONNECTED		2.84	
		* B-N		1551.0		12.9		DEMAND		2.84	
		* C-N		0.0		0.0		DESIGN		2.94	



Know what's below.
Call before you dig.



ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

DESCRIPTION	DATE
REVISION Δ ADDED "HAWK" SUPPLY PP2,PP4	5/8/2025
REVISION Δ	
REVISION Δ	
REVISION Δ	

DRAWN BY	AJM	DATE	5/22/25
DESIGNED BY	AJM	DATE	5/22/25
CHECKED BY	AJM	DATE	5/22/25
APPROVED BY	BH	DATE	5/22/25



PUBLIC WORKS
ENGINEERING DIVISION

FOUR CANYONS PARKWAY, PH 2B
PANEL SCHEDULES

E26
of 26