

PEDESTRIAN LIGHTING GENERAL NOTES:

1. THIS PROJECT WILL BE BID FOR THE INSTALLATION OF PEDESTRIAN LIGHTING, AND INSTALLATION OF POWER PEDESTALS PP1 AND PP2. BASE PROJECT: COMPLETE THE PEDESTRIAN LIGHTING AROUND THE CROSBY PROJECT AS SHOWN IN THIS DRAWING SET .
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 613-30001, 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" STERNBERG LIGHTING #1A-1527LED-R-12L-40-T2-MDL018-SV1-EZ-H55-OAPT/450P414-.125/BK
4. TYPES "SB" LIGHT STANDARD & LUMINARIES (PEDESTRIAN LIGHT), PAY ITEM 613-30002, SHALL INCLUDE THE FOLLOWING ITEMS FROM M&H LIGHTING LOCATED AT 1044 SPEER BOULEVARD, DENVER, CO 80204, 303.573.0222. THE ITEMS NUMBERS ARE AS FOLLOWS: TYPE "SB" CURRENT LIGHTING, BEACON, #RL1-48L-15-4K7-3-UNV-DBT.
5. PROVIDE COLLISION BREAK AWAY CONNECTORS FOR TYPE "SA" FIXTURES. TYPE "SA" FIXTURES TO BE 12 FOOT ABOVE FINISHED GRADE TO BOTTOM OF LIGHT.
6. PROVIDE NEW MILBANK PANEL "PP1", 240/120V, 1φ, 3W 100A, 12 CIRCUITS SWITCHED AND 12 CIRCUITS NOT SWITCHED, MODEL #CP3B51C1HA22C5XC5L97 LOCATED AS SHOWN IN DRAWINGS. XCEL ENERGY TO PROVIDE 240/120V TRANSFORMER FOR POWER TO PANEL, COORDINATE CONNECTIONS WITH XCEL PRIOR TO TRENCHING.
7. PROVIDE NEW MILBANK PANEL "PP2", 240/120V, 1φ, 3W 100A, 12 CIRCUITS SWITCHED AND 12 CIRCUITS NOT SWITCHED, MODEL #CP3B51C1HA22C5XC5L97 LOCATED AS SHOWN IN DRAWINGS. XCEL ENERGY TO PROVIDE 240/120V TRANSFORMER FOR POWER TO PANEL, COORDINATE CONNECTIONS WITH XCEL PRIOR TO TRENCHING.
8. ALL PEDESTRIAN LIGHTING FIXTURES(TYPE "SA" AND "SB") INSTALLED ON THE PROJECT WILL BE CONTROLLED WITH A ELECTRICAL CONTRACTOR SUPPLIED PHOTOCELL, NSI INDUSTRIES 2007A OR EQUAL, TO BE LOCATED IN NEW MILBANK POWER PEDESTAL IN SWITCHED SECTION OF PANEL. ORIENT PANEL SO THAT PHOTOCELL WILL BE ORIENTED TO NORTH, TYPICAL.
9. PROVIDE 2" PVC SCHEDULE 80 CONDUIT BETWEEN EACH JUNCTION BOX LABELED "UB".
10. PROVIDE #10 THWN TRACER WIRE IN NEW CONDUIT TO FACILITATE LOCATION OF CONDUIT IN THE FUTURE.
11. 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.
12. PULL BOXES FOR LIGHT STANDARD (PEDESTRIAN AND STREET) WILL BE TYPE 1 PULL BOXES 11"X18"X12" WITH NAMEPLATE LABELED "ELECTRICAL", REFERENCE "UTILITY BOX DETAIL" DRAWING E14 OF THIS DRAWING SET.
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.

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

- UB NEW 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.
- 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 SINGLE ARM PEDESTRIAN STANDARD OR STREET STANDARD AS SPECIFIED. NUMBER ASSOCIATED IS NOT THE QUANTITY BUT THE IDENTIFIER ONLY.



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	SCALE
REVISION Δ REV 1			AJM	12/9/2024	
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
COVER SHEET

Schedule of Lighting Devices						
ITEM No.	613-30001			613-40012	613-30002	
LONG DESCRIPTION	LIGHT STANDARD AND LUMINAIRE SINGLE POST TOP (PEDESTRIAN)			LIGHT STANDARD FOUNDATION SPECIAL (PEDESTRIAN)	LIGHT STANDARD SPECIAL (WALL PACK PEDESTRIAN)	NOTES
UNITS	EACH PLAN			EACH PLAN		
SHEET NO.	I.D. NO.	STATION	OFFSET			
E8	SA-19	26+84.39	L=39.28	1	1	1,2
E8	SA-18	27+64.95	L=39.53	1	1	1,2
E8	SA-17	28+67.59	L=39.84	1	1	1,2
E8	SA-16	29+67.59	L=40.15	1	1	1,2
E8	SA-15	30+57.63	L=46.9	1	1	1,2
E9	SA-14	31+45.41	L=38.4	1	1	1,2
E9	SA-13	32+35.41	L=37.91	1	1	1,2
E9	SA-12	33+25.41	L=37.42	1	1	1,2
E9	SA-11	33+94.7	L=37.05	1	1	1,2
E9	SA-10	34+84.18	L=32.93	1	1	1,2
E9	SA-9	35+40.97	L=31.08	1	1	1,2
E9	SA-8	35+93.25	L=30.92	1	1	1,2
E10	SA-7	36+58.39	L=30.72	1	1	1,2
E10	SA-6	37+24.17	L=29.87	1	1	1,2
E10	SB-1	38+33.02	L=27.04		1	1,4
E10	SB-2	39+96.79	L=32.64		1	1,5
E10	SA-5	40+62.53	L=33.1816	1	1	1,2
E10	SA-4	41+14.39	L=32.84	1	1	1,2
E11	SA-3	42+4.37	L=34.67	1	1	1,2
E11	SA-2	42+94.37	L=34.04	1	1	1,2
E11	SA-1	43+90.16	L=31.99	1	1	1,2
PROJECT TOTALS				19	19	2

SCHEDULE OF LIGHTING DEVICES NOTES:

1. THIS LUMINAIRE, IS INCLUDED IN SCOPE OF THIS CONTRACT, INSTALL PER MANUFACTURER
2. FOUNDATION TOP HEIGHT EQUAL TO ADJACENT SIDEWALK
4. MOUNT AT 9' AFG ON OVERPASS WALL, FIELD VERIFY LOCATION WITH OWNER
5. MOUNT AT 12' AFG ON OVERPASS WALL, FIELD VERIFY LOCATION WITH OWNER

Schedule of Lighting Devices(XCEL ENERGY)						
ITEM No.	613-30003			613-40014		
LONG DESCRIPTION	LIGHT STANDARD AND LUMINAIRE SINGLE ROADWAY			LIGHT STANDARD FOUNDATION SPECIAL ROADWAY		NOTES
UNITS	EACH PLAN			EACH PLAN		
SHEET NO.	I.D. NO.	STATION	OFFSET			
E5	SC-4	11+17.51	L=46.25	1	1	1,2,3
E6	SC-3	18+60.07	R=30.57	1	1	1,2,3
E8	SC-2	30+55.72	R=26.81	1	1	1,2,3
PROJECT TOTALS				3	3	

SCHEDULE OF LIGHTING DEVICES NOTES:

1. PURCHASE AND INSTALLATION BY XCEL ENERGY
2. FOUNDATION BY XCEL ENERGY
3. LIGHT, POLE AND WIRING PURCHASE AND INSTALLED BY XCEL ENERGY

Tabulation of Approximate Quantities				
Item No.	Construction Note Description	Quantity	Unit	NOTES
613-01200	2 Inch Electrical Conduit (Plastic)(For Electrical)	3707	LF	1
613-07001	Type 2 Pull Box(Electrical)	40	EA	
613-50106	Lighting Control Center (Special)	2	EA	
613-30001	Light Standard and Luminaire Single (Pedestrian)	35	EA	
613-40012	Light Standard Foundation (Pedestrian Special)	35	EA	
613-10000	Wiring	1	LS	
613-30002	Light standard and luminaire single (Wall Pack, Pedestrian)	2	EA	

NOTES:
1. INCLUDES SWEEPS AND FITTINGS

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			AJM	12/9/2024	0 10 20 40
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

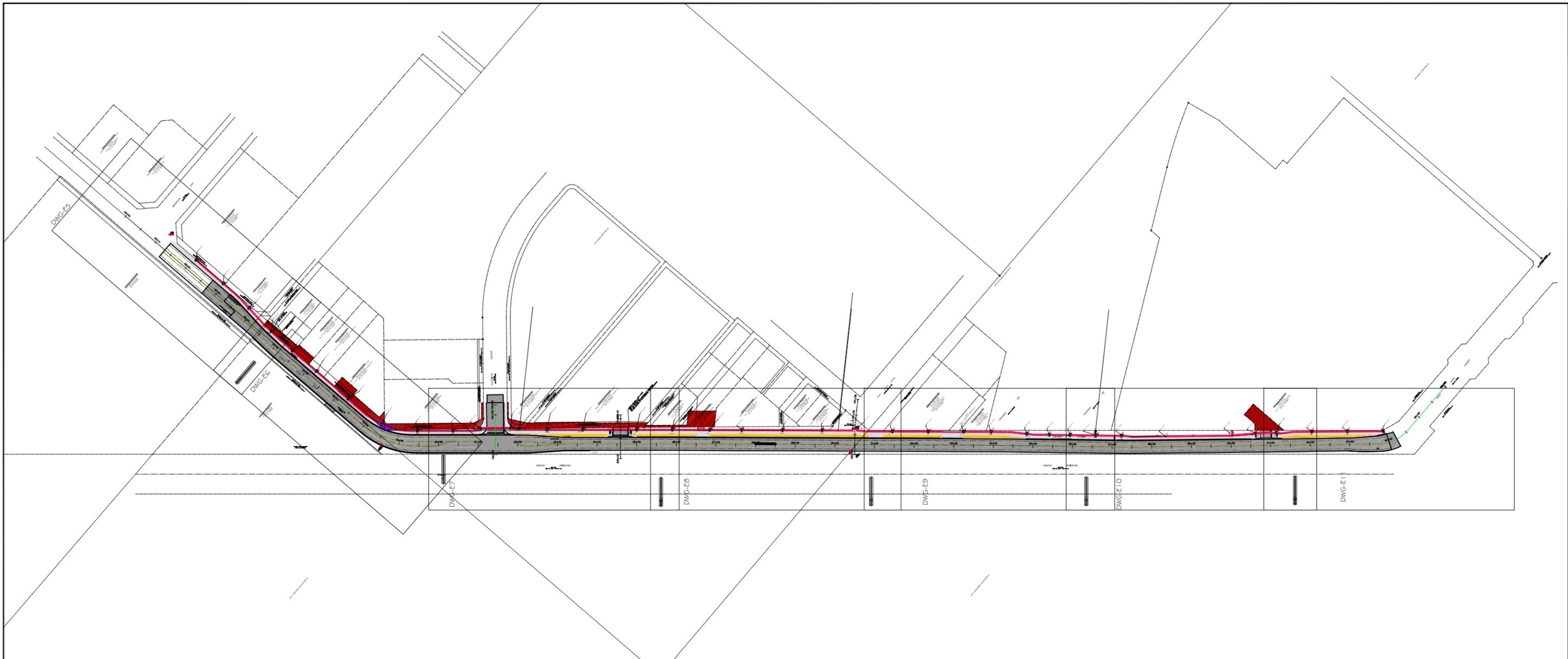
CROSBY AVE IMPROVEMENTS
LIGHTING SCHEDULES



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



LIGHTING/ELECTRICAL PLAN KEY MAP
 SCALE: 1"=250' 

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-#6 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.

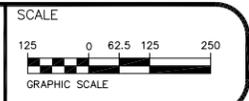


Know what's below.
 Call before you dig.



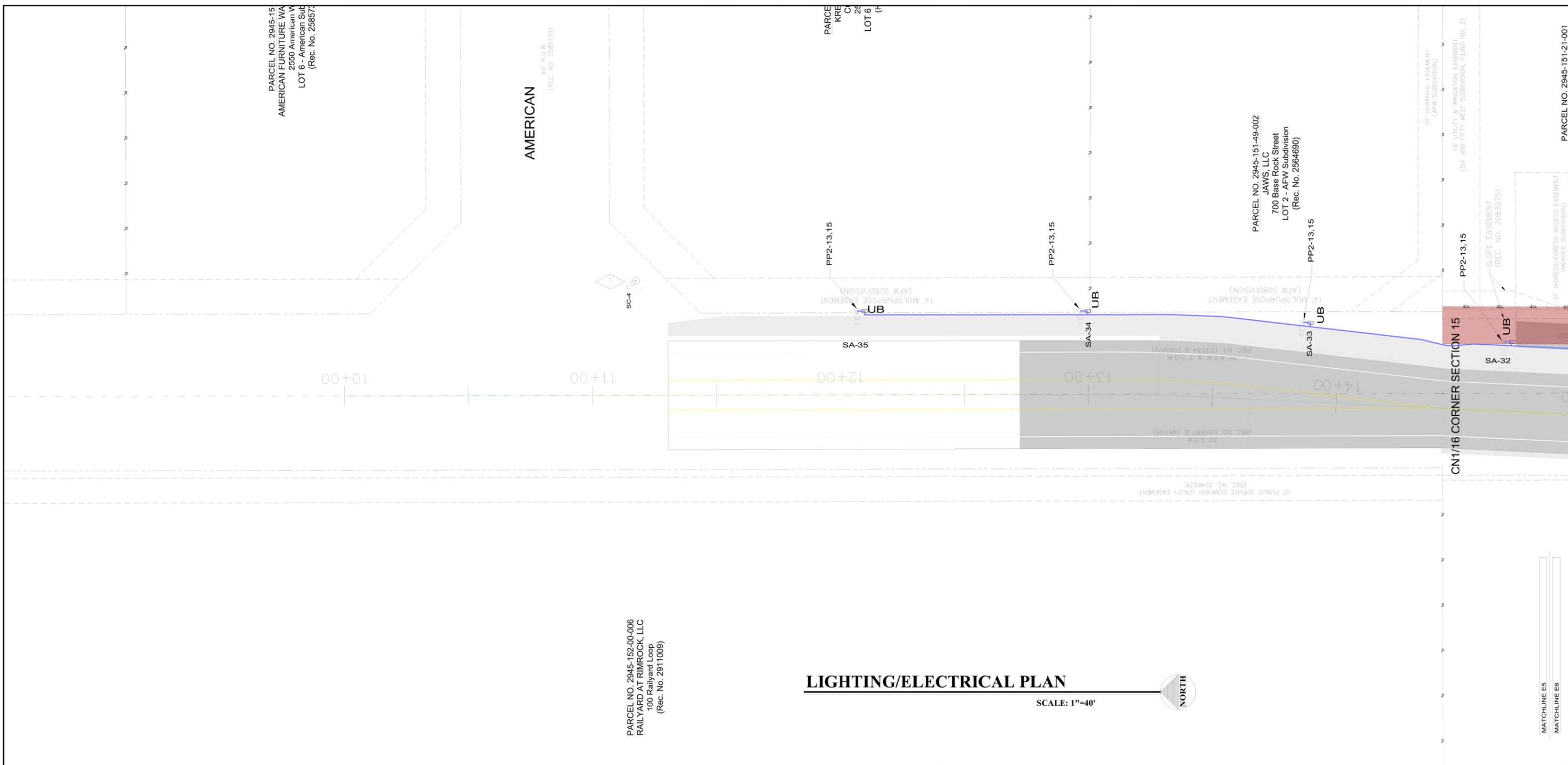
ACM CONSULTING
 ELECTRICAL DESIGN, CONSULTING
 ENGINEERS; PH: 970-245-7292
 PO 3211 GRAND JCT., CO 81502
 EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



**PUBLIC WORKS
 ENGINEERING DIVISION**
 PROJECT NO. F210205

**CROSBY AVE IMPROVEMENTS
 LIGHTING/ELECTRICAL PLAN KEY**



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



PARCEL NO. 2945-152-00-006
RAILYARD AT RIMROCK, LLC
100 Railyard Loop
(Rec. No. 2911009)

PARCEL NO. 2945-15
AMERICAN FURNITURE WA
2550 American W
LOT 6 - American Sub
(Rec. No. 258572)

AMERICAN
60' R.O.W.
(REC. NO. 2585739)

PARCEL NO. 2945-151-49-002
JAWS, LLC
700 Base Rock Street
LOT 2 - AFW Subdivision
(Rec. No. 2564690)

PARCEL NO. 2945-151-21-001

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-#6 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.

- FLAG NOTES:
- ◊ STREET LIGHT "SC-4" TO BE PURCHASED INSTALLED AND WIRED BY XCEL ENERGY, TYPICAL.



Know what's below.
Call before you dig.



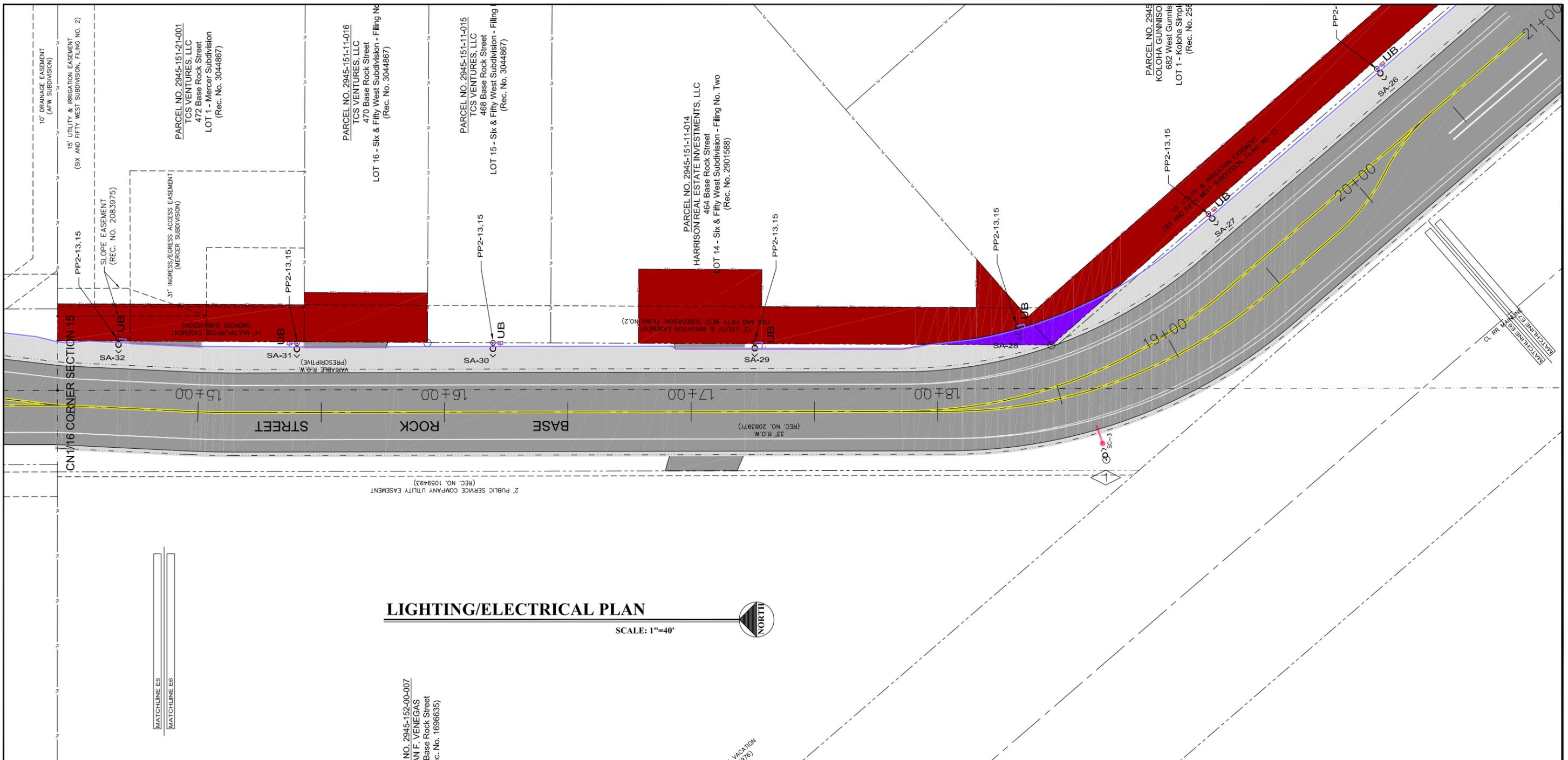
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



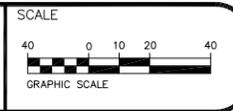
FLAG NOTES:

- 1. STREET LIGHT "SC-3" TO BE PURCHASED INSTALLED AND WIRED BY XCEL ENERGY, TYPICAL.

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-#6 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.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F210205

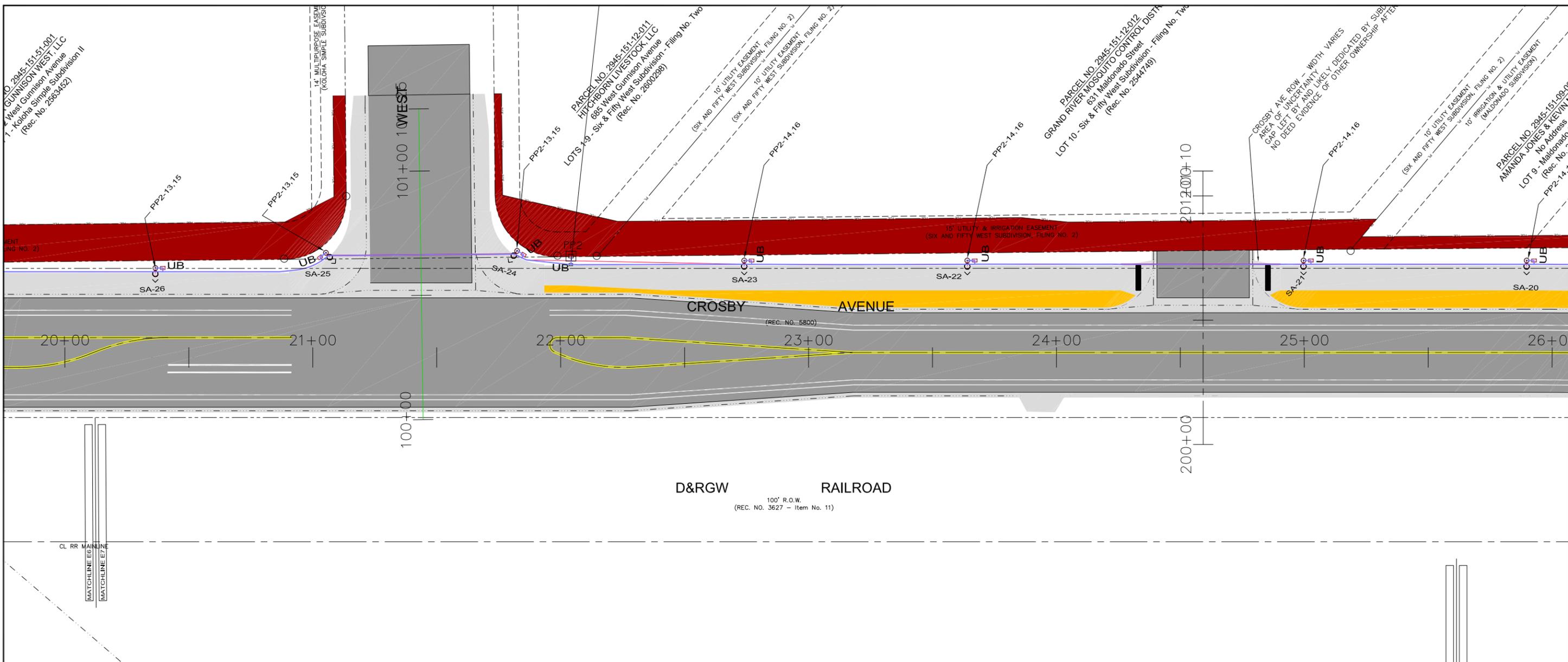
**CROSBY AVE IMPROVEMENTS
SITE LIGHTING PLAN**



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-#6 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.



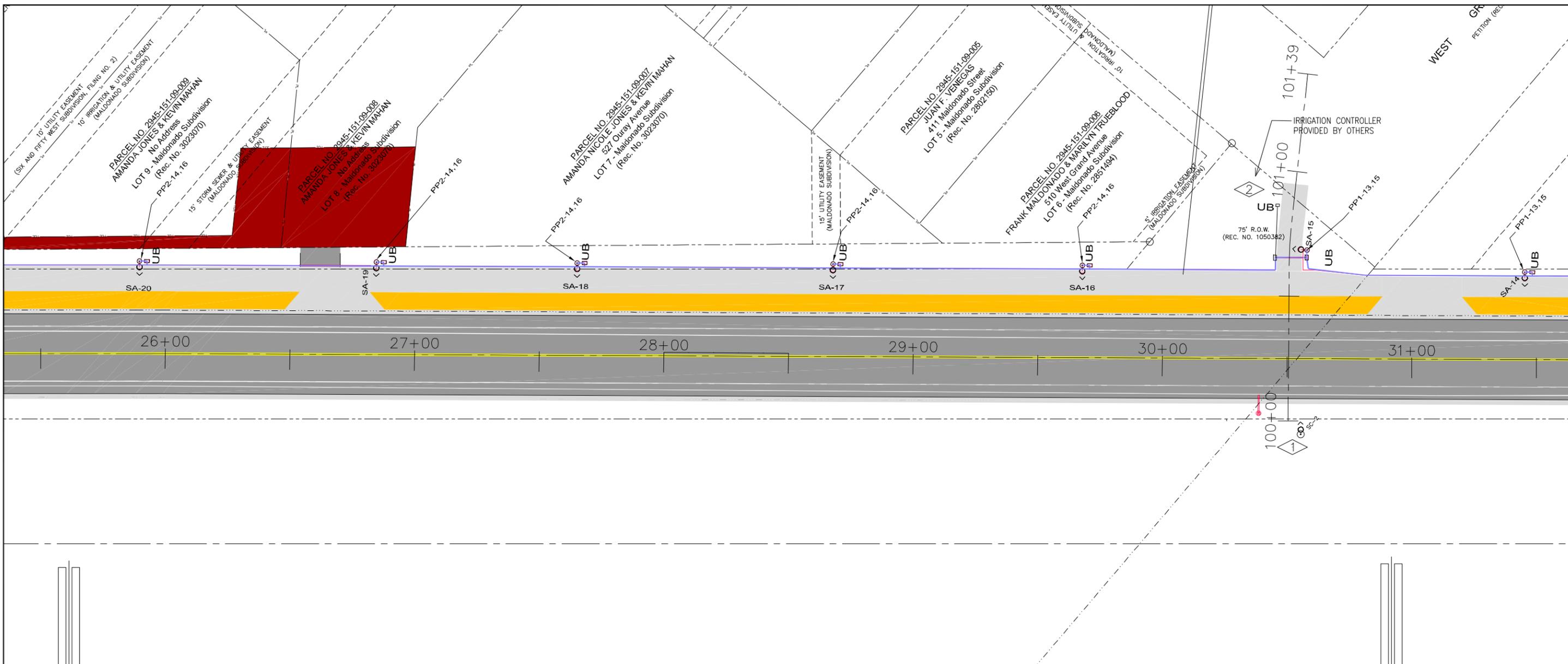
ACM CONSULTING
 ELECTRICAL DESIGN, CONSULTING ENGINEERS; PH: 970-245-7292
 PO 3211 GRAND JCT., CO 81502
 EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			AJM	12/9/2024	
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS ENGINEERING DIVISION
 PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS SITE LIGHTING PLAN



LIGHTING/ELECTRICAL PLAN
 SCALE: 1"=40'



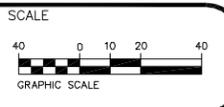
GENERAL NOTES:

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-#6 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.

FLAG NOTES:

- 1 STREET LIGHT "SC-2" TO BE PURCHASED INSTALLED AND WIRED BY XCEL ENERGY, TYPICAL.
- 2 PROVIDE (2#6 THWN + #6 GND) IN 2" SCHEDULE 80 PVC FROM PANEL PP2 FOR NEW IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION OF CONTROLLER AND WIRING REQUIREMENTS WITH PROVIDER PRIOR TO TRENCHING.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



**PUBLIC WORKS
 ENGINEERING DIVISION**
 PROJECT NO. F210205

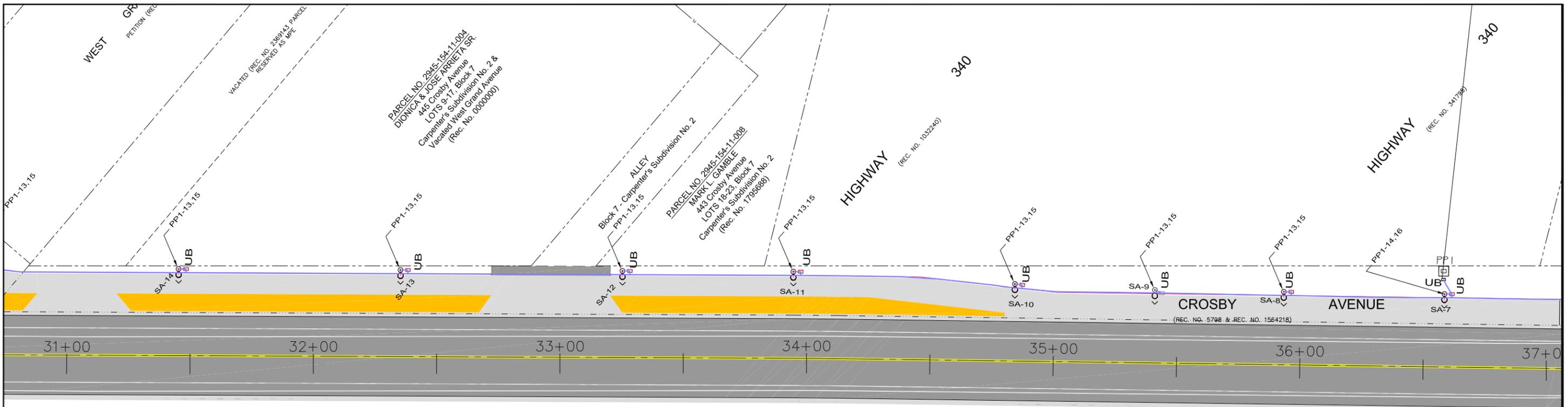
**CROSBY AVE IMPROVEMENTS
 SITE LIGHTING PLAN**



**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-#6 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.

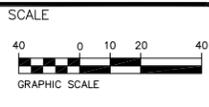


Know what's below.
Call before you dig.



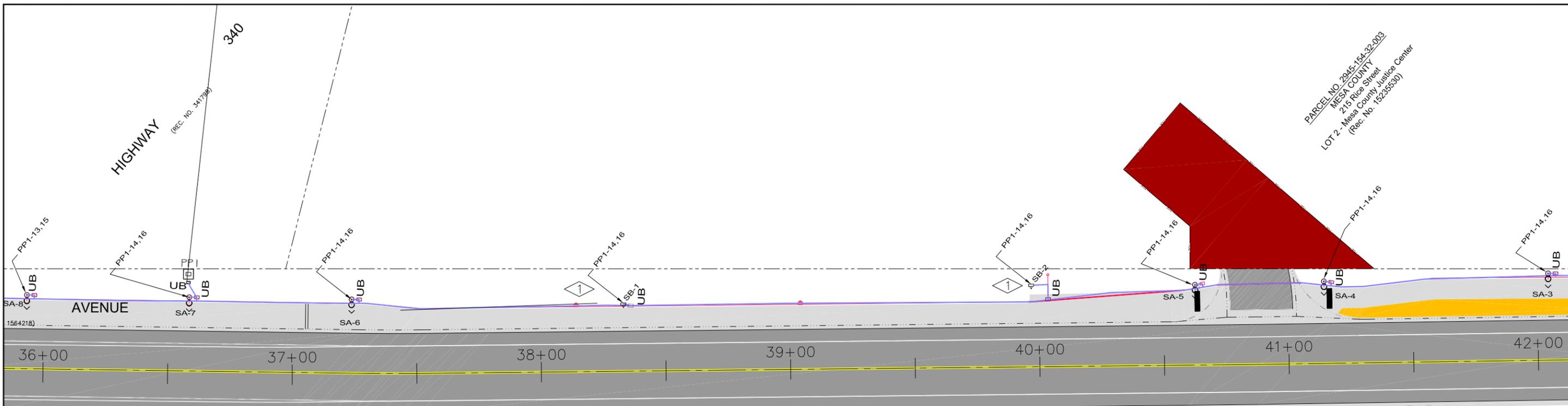
ACM CONSULTING
 ELECTRICAL DESIGN, CONSULTING
 ENGINEERS; PH: 970-245-7292
 PO 3211 GRAND JCT., CO 81502
 EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



**PUBLIC WORKS
 ENGINEERING DIVISION**
 PROJECT NO. F210205

**CROSBY AVE IMPROVEMENTS
 SITE LIGHTING PLAN**



RAILROAD
11)

LIGHTING/ELECTRICAL PLAN

SCALE: 1"=40'



FLAG NOTES:

- 1) REFERENCE DRAWING "E-11" FOR LOCATION AND MOUNTING HEIGHT OF TYPE B WALL PACK, TYPICAL.

GENERAL NOTES:

- POWER CIRCUIT AS SHOWN ON DRAWING, TYPICAL.
- LIGHT TO BE ORIENTED TO BE PERPENDICULAR TO SIDEWALK AND SHINE ON SIDEWALK, TYPICAL.
- PROVIDE 2-#6 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.

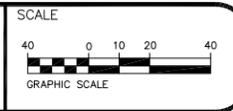


Know what's below.
Call before you dig.



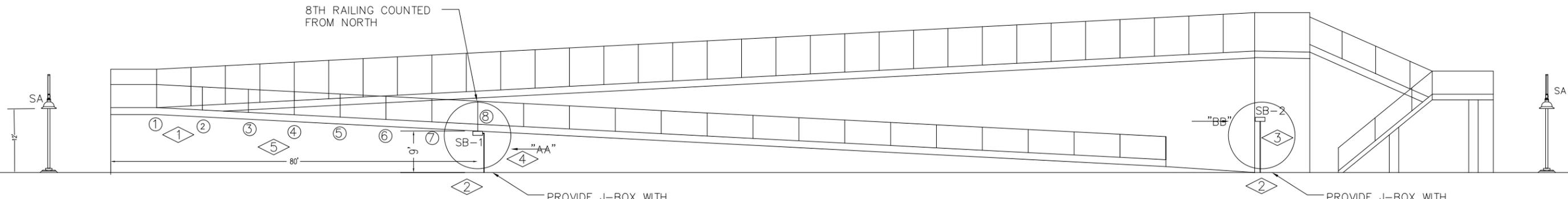
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
SITE LIGHTING PLAN



LIGHTING/PEDESTRIAN BRIDGE WEST ELEVATION PLAN

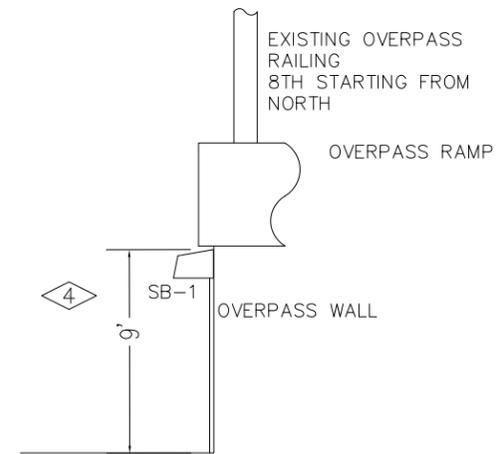
SCALE: N.T.S

PROVIDE J-BOX WITH TOP LEVEL TO NEW FINISHED SIDEWALK. CONDUIT TO BE RUN UNDER CONCRETE AND TRANSITION UP TO 3/4" IMC.

PROVIDE J-BOX WITH TOP LEVEL TO NEW FINISHED SIDEWALK. CONDUIT TO BE RUN UNDER CONCRETE AND TRANSITION UP TO 3/4" IMC.

FLAG NOTES:

- ① CIRCLED NUMBER INDICATES THE EXISTING WALKWAY RAILING COUNTED FROM THE NORTH TO THE SOUTH.
- ② USE INTERMEDIATE METAL CONDUIT IMC CONDUIT TO RUN # 6 WIRE TO TYPE "SB" WALL PACK UNDER SIDEWALK TRANSITIONING TO SURFACE ON WALL. AFTER CONDUIT IS INSTALLED PAINT CONDUIT THE SAME COLOR TO MATCH THE PEDESTRIAN OVERPASS WALL THAT IT IS MOUNTED TO, TYPICAL.
- ③ MOUNT TYPE "SB" LIGHT AT THIS LOCATION UNDER PEDESTRIAN WALKWAY AT A HEIGHT OF 12' ABOVE FINISHED GRADE.
- ④ WALL PACK TO BE MOUNTED AT 9' AFG TO WALL UNDER PEDESTRIAN OVERPASS. USE IMC CONDUIT WITH 2 #6 CU + #8 GND IN SCHEDULE 80 PVC UNDER GROUND AND TRANSITION UP WALL TO 3/4" CONDUIT TO NEW WALL PACK LOCATION. ON COMPLETION PAINT CONDUIT TO MATCH WALL.
- ⑤ MEASURE TO "SB-1" LOCATION FROM END OF OVERPASS IS APPROXIMATE. LIGHT IS TO BE INSTALLED BELOW THE BOTTOM LIP OF THE CONCRETE WALK WAY UNDER EXISTING 8TH RAILING COUNTED NORTH TO SOUTH.

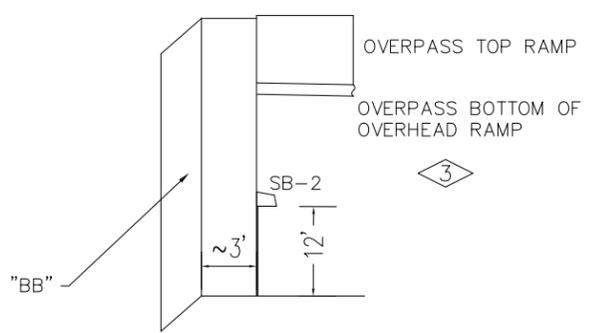


DETAIL "AA" LOOKING NORTH ALONG OVERPASS WALL

SCALE: N.T.S

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-#6 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. DO NOT SCALE THIS DRAWING. THIS DRAWING IS TO GIVE LOCATIONS FOR TYPE "SB" LIGHTS ONLY.
- 5. LIGHTS WILL BE MOUNTED TO WALL UNDER BOTTOM "LIP" OF CONCRETE WALK WAY WALL.



DETAIL "BB" LOOKING SOUTH ALONG OVERPASS WALL

SCALE: N.T.S



Know what's below.
Call before you dig.



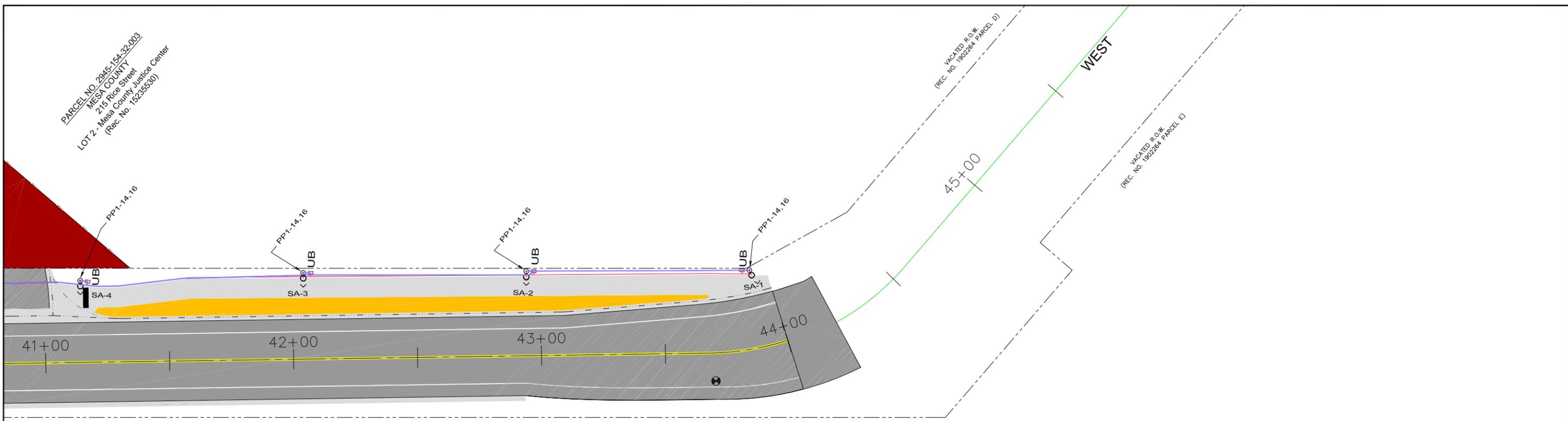
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			AJM	12/9/2024	NOT TO SCALE
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
PEDESTRIAN OVERPASS ELEVATION



MATCHLINE E10
MATCHLINE E11

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-#6 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.



Know what's below.
Call before you dig.



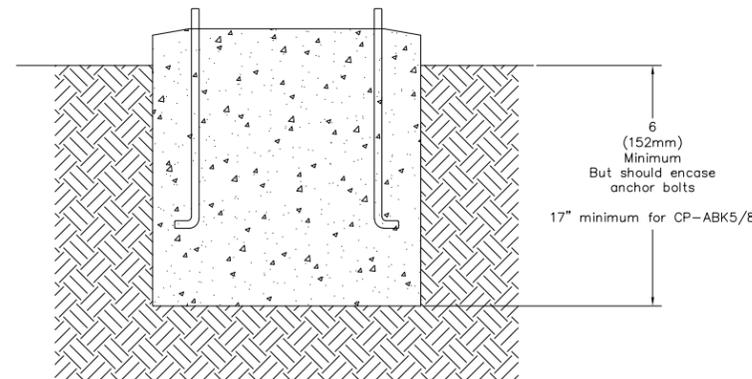
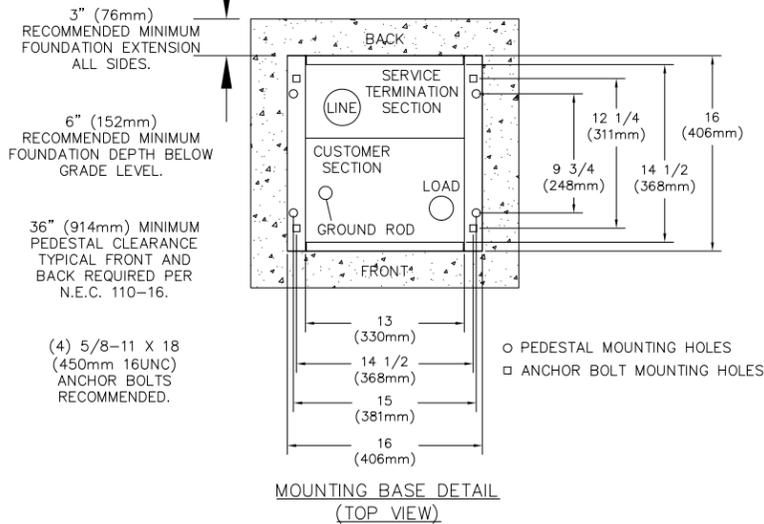
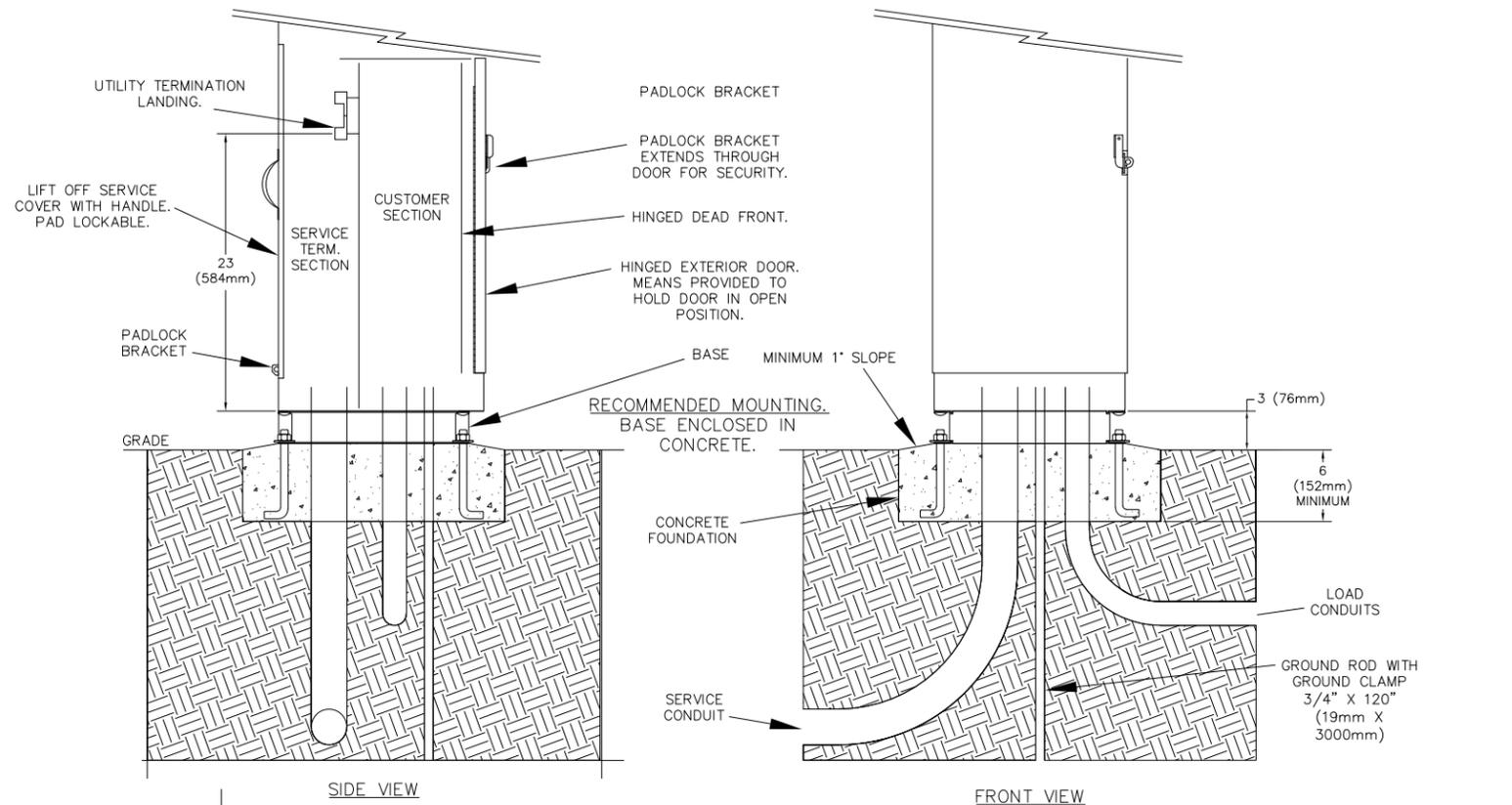
ACM CONSULTING
ELECTRICAL DESIGN, CONSULTING
ENGINEERS; PH: 970-245-7292
PO 3211 GRAND JCT., CO 81502
EMAIL: joelm@ACMengrs.com

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			AJM	12/9/2024	<p>GRAPHIC SCALE</p>
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
SITE LIGHTING PLAN

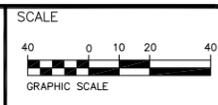


NOTES

1. DRAWING DEPICTS TYPICAL INSTALLATION, COORDINATE EXACT INSTALLATION FOR SPECIFIC MODEL WITH PROVIDER PRIOR TO PURCHASING. CONTROL CABINET SHALL BE U/L LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. 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.
3. VOLTAGE RATINGS OF SERVICE EQUIPMENT SHALL CONFORM TO THE SERVICE VOLTAGES INDICATED ON THE PLANS.
4. 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.
5. SERVICE EQUIPMENT SHALL BE FACTORY WIRED AND CONFORM TO NEMA STANDARDS.
6. THE EXTERIOR DOOR SHALL HAVE PROVISIONS FOR PADLOCKING. THE PADLOCK HOLE SHALL BE A MINIMUM DIAMETER OF 11mm.
7. 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:
 - A) INCOMING TERMINALS (LANDING LUGS)
 - B) NEUTRAL LUGS
 - C) SOLID NEUTRAL TERMINAL STRIP.
 - D) TERMINAL STRIPS FOR CONDUCTORS WITHIN THE ENCLOSURE.
8. 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.
9. 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.
10. 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.
11. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
12. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
13. FOUNDATION SHALL EXTEND 50mm MINIMUM BEYOND EDGE OF ENCLOSURE.

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

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



PUBLIC WORKS
 ENGINEERING DIVISION
 PROJECT NO. F210205

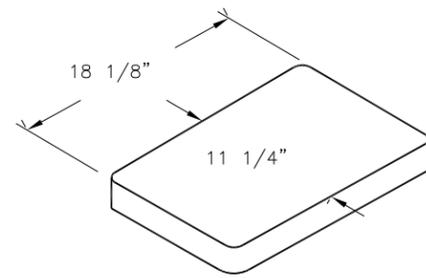
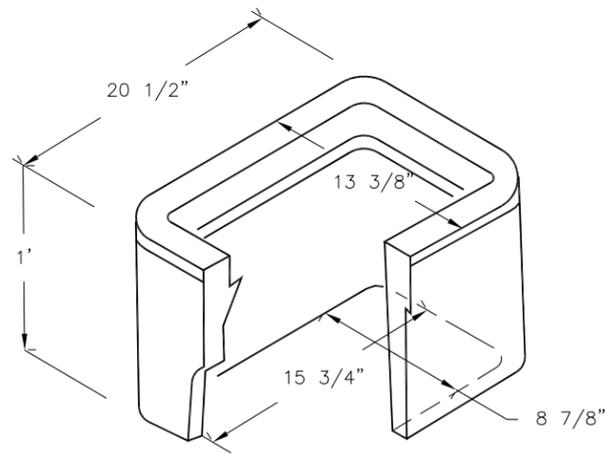
CROSBY AVE IMPROVEMENTS
 PEDESTAL DETAILS



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

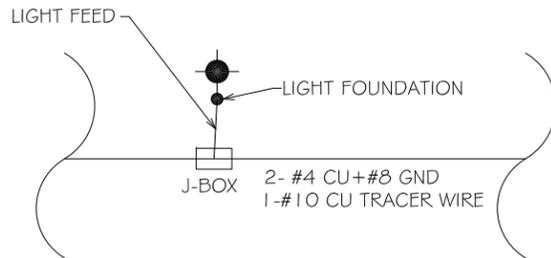


STREET LIGHT AND PEDESTRIAN LIGHT PULL BOX

DIMENSIONS SHOWN HERE FOR LAYOUT AND PLANNING PURPOSES. CONTRACTOR SHALL RELY ON MANUFACTURER DETAILS. REFERENCE CDOT S-613-3

- 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.

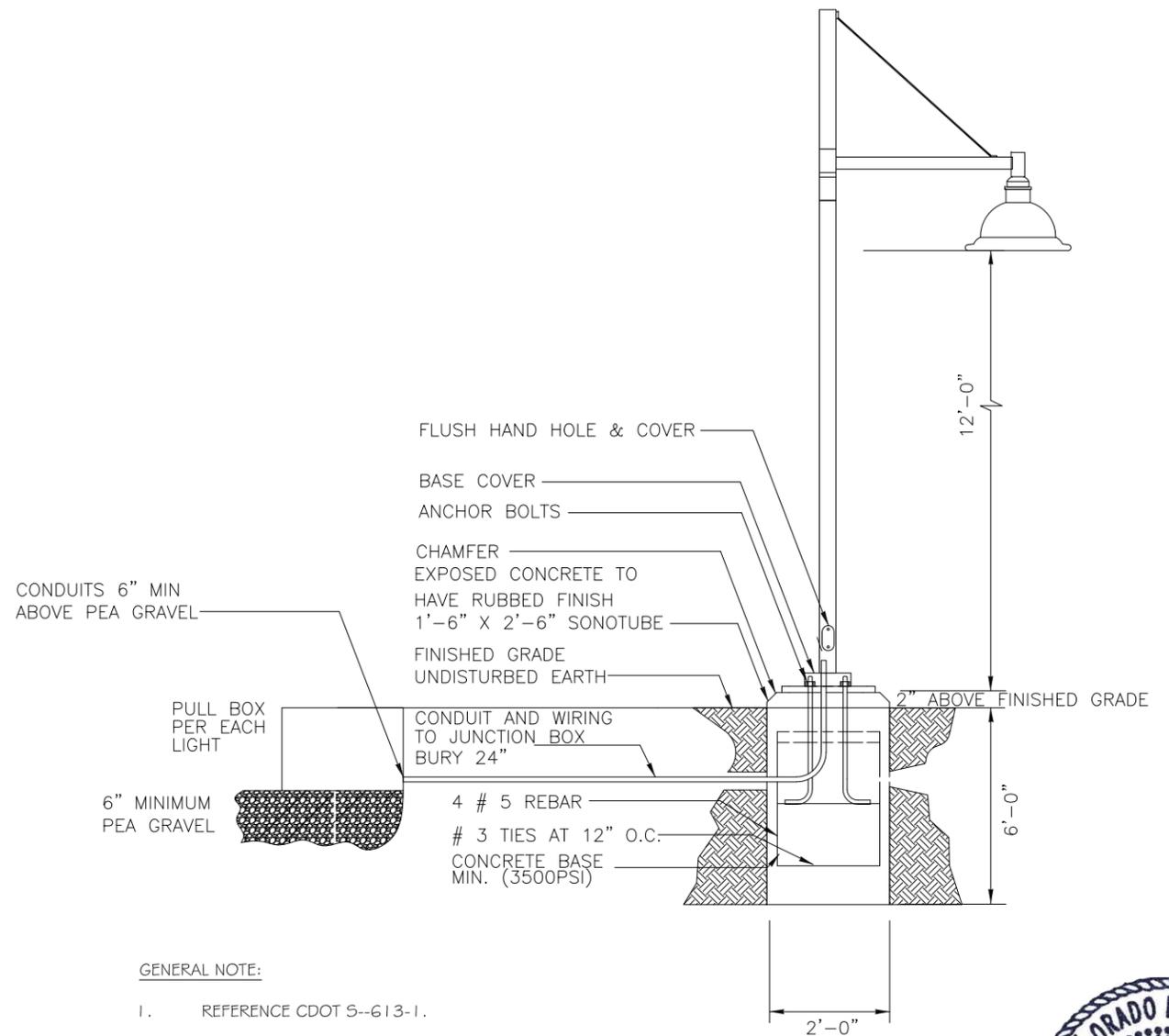
C UTILITY BOX DETAIL
1 NOT TO SCALE



C UTILITY BOX CONNECTION DETAIL
2 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.



GENERAL NOTE:

- REFERENCE CDOT S--613-1.

C TYPICAL TYPE SA LIGHT DETAIL
3 NOT TO SCALE



Know what's below.
Call before you dig.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER MODEL NUMBER	APPROVAL	VOLTAGE MOUNTING # OF LAMPS	BALLAST LAMPE TYPE LAMP CAT. #	DESCRIPTION
SA	STERNBERG LIGHTING 1A-1527FLED-SM-SV1-4ARC-35(00)K-T2-F-MDL03-BK	OWNER REQUESTED	UNV POLE 1	ELECTRONIC LED 66 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.
SB	CURRENT LIGHTING, BEACON RL1-48L-15-4K7-3-UNV-DBT	OWNER REQUESTED	UNV SURFACE WALL 1	ELECTRONIC LED 48W	WALL PACK ATTACHED TO PEDESTRIAN OVER PASS WALLS AS SHOWN IN DRAWINGS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ REV 1			AJM	12/9/2024	N.T.S.
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		

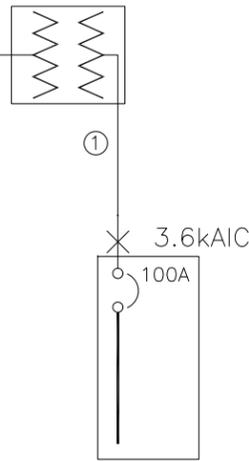


PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
LIGHTING DETAILS

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

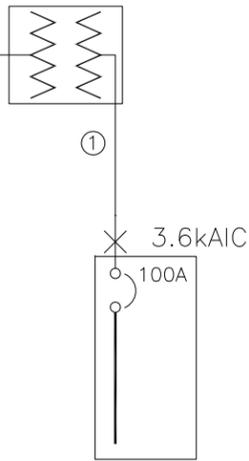
NEW PAD MOUNTED
TRANSFORMER 50KVA
240/120 VOLT, 1PH
BY XCEL



NEW "PP1" 100A MCB MILBANK
PEDESTAL CP3B51C1HA22CSXCSL97,
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 PAD MOUNTED
TRANSFORMER 50KVA
240/120 VOLT, 1PH
BY XCEL



NEW "PP2" 100A MCB MILBANK
PEDESTAL CP3B51C1HA22CSXCSL97,
12 UNSWITCHED/12 SWITCHED CKTS
240/120V 1PH, 3W
22 kAIC

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. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES AS REQUIRED: REFERENCE CIVIL LANDSCAPE AND IRRIGATION DRAWINGS.
4. ALL WIRING IS SHOWN DIAGRAMMATICALLY ON DRAWINGS, FIELD VERIFY ALL CONDITIONS PRIOR TO ROUGH-IN.
5. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.
6. ALL WIRE TO LIGHTING TO BE #6 UNLESS NOTED OTHERWISE.
7. 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.
8. FIELD VERIFY ALL DIMENSIONS, DO NOT SCALE DRAWINGS.
9. COORDINATE INSTALLATION OF METER AND ELECTRICAL REQUIREMENTS WITH XCEL ENERGY.
10. NEW PEDESTAL MUST MEET ALL XCEL ENERGY REQUIREMENTS I.E. COLD SEQUENCE PADLOCK SLIP LATCH ON METER COVER, HOLD OPEN BAR ON METER HOOD.

A
ONE-LINE DIAGRAM
1
NOT TO SCALE

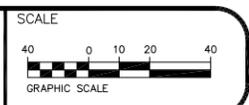


Know what's below.
Call before you dig.



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
REVISION Δ REV 1			AJM	12/9/2024
REVISION Δ REV 2			AJM	12/9/2024
REVISION Δ REV 3			WC	
REVISION Δ REV 4			WC	



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
ONE-LINE DIAGRAMS

PANEL: PP1 DC DEVICE TYPE: Breaker ENCLOSURE: NEMA 3R MAINS(A): BKR CONTINUOUS(A): 100
 LOCATION: DEVICE FAMILY: Bolt On MOUNTING: Surface WIRING: Single-Phase 3-Wire BUS SC RATING(A): 12000
 FED FROM: BUS-XFMR VOLTAGE: 240/120 FAULT CURRENT(A): 1867

FLAG NOTES:

① CIRCUITS 1-12 ARE UNSWITCHED, CIRCUITS 13 TO 24 ARE SWITCHED AND CONTROLLED WITH THE CONTRACTOR SUPPLIED PHOTOCCELL, TYPICAL..

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	0		2	180	GENERAL	CONTROL POWER		15 1
20 1		SPARE	SPARE	0	3				4					
20 1		SPARE	SPARE	0	5	0			6					
				0	7		0		8					
					9				10					
					11				12					
0 2		LTS NW	NONE	240	13	510	510		14	270	NONE	LTS SE	①	0 2
20 1		SPARE	SPARE	240	15				16	270				
20 1		SPARE	SPARE	0	17	0			18					
				0	19		0		20					
					21				22					
					23				24					
ALL CONNECTED		KVA	3P AVE AMPS	* PHASE	TOTALS	VA		AMPS		BUS TOTALS	KVA			
TOTAL CONNECTED		1.17	2.8	* A-N		662.9		5.5		CONNECTED	1.17			
TOTAL DEMAND		1.17	2.8	* B-N		510.0		4.3		DEMAND	1.17			
TOTAL DESIGN		1.17	2.8	* C-N		0.0		0.0		DESIGN	1.17			

PANEL: PP2 DC DEVICE TYPE: Breaker ENCLOSURE: NEMA 3R MAINS(A): BKR CONTINUOUS(A): 100
 LOCATION: DEVICE FAMILY: Bolt On MOUNTING: Surface WIRING: Single-Phase 3-Wire BUS SC RATING(A): 12000
 FED FROM: BUS-XFMR VOLTAGE: 240/120 FAULT CURRENT(A): 1867

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	0		2	180	GENERAL	CONTROL POWER		15 1
20 1		SPARE	SPARE	0	3				4					
20 1		SPARE	SPARE	0	5	0			6					
0 1		IRR CONTROL	NONE	240	7	240			8					
					9				10					
					11				12					
0 2		LTS-NW	NONE	360	13	600	600		14	240	NONE	LTS-SE	①	0 2
20 1		SPARE	SPARE	360	15				16	240				
20 1		SPARE	SPARE	0	17	0			18					
				0	19		0		20					
					21				22					
					23				24					
ALL CONNECTED		KVA	3P AVE AMPS	* PHASE	TOTALS	VA		AMPS		BUS TOTALS	KVA			
TOTAL CONNECTED		1.59	3.8	* A-N		989.9		8.2		CONNECTED	1.59			
TOTAL DEMAND		1.59	3.8	* B-N		600.0		5.0		DEMAND	1.59			
TOTAL DESIGN		1.59	3.8	* C-N		0.0		0.0		DESIGN	1.59			



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	SCALE
REVISION Δ REV 1			AJM	12/9/2024	N.T.S.
REVISION Δ REV 2			AJM	12/9/2024	
REVISION Δ REV 3			WC		
REVISION Δ REV 4			WC		



PUBLIC WORKS
 ENGINEERING DIVISION
 PROJECT NO. F210205

CROSBY AVE IMPROVEMENTS
 ONE-LINE DIAGRAMS