TOQUERVILLE CITY
RESOLUTION 2024.12

A RESOLUTION AMENDING AND RESTATING SUBSECTION 4.4.1.4 (WATER PIPE AND FITTINGS) AND SUBSECTION 6.6 (STREETLIGHT) OF THE TOQUERVILLE CITY STANDARDS AND SPECIFICATIONS TO ADDRESS WATER PIPE AND FITTINGS AND TO ESTABLISH STREETLIGHT STANDARD DRAWINGS.

RECITALS

WHEREAS, Toquerville City ("City") is an incorporated municipality duly organized under the laws of the State of Utah;

WHEREAS, the Toquerville City Council ("City Council") is the governing body of the City vested with all legislative and administrative powers delegated to the City pursuant to Article 11, Section 5 of the Utah Constitution and Utah Code Ann. § 10-1-103.

WHEREAS, to this end, in the City Council adopted a uniform set of standards and specifications for all public improvements to be constructed within the City in March of 2020.

WHEREAS, in order to create uniformity and certainty for the City as well as developers and landowners, the City Council has determined it good and proper to identify water pipe and fittings and standard street lighting drawings that must be followed by persons erecting said exterior street lighting located within the City.

RESOLUTION

NOW THEREFORE, the City, by and through its governing body, the City Council, resolved as follows:

1. Modification of Sections 4.4.1.4 of the Toquerville City Standards and Specifications for Water Pipe and Fittings. 4.4.1.4 of the Toquerville City Standards and Specifications for Water Pipe and Fittings is hereby amended as follows:

4.4.1.4(G) REPAIR CLAMPS. *All repair clamps shall be stainless steel and be equal to the following approved brands:*

Romac Alpha, Coupling
Romac SS1-552
Power Seal 3121 AS, 3122 AS

For HDPE:

Romac Style SS1-H, SS2-H

4.4.1.4(H.1) GATE AND BUTTERFLY VALVES. *Valves shall conform to the latest revision of AWWA valve standards. All valves shall be Mueller or Kennedy. Exceptions to this will require the City Water Department Engineer's approval.*

All valves, ten (10) inches and less, installed next to a fitting must be flange x mechanical joint (MJ) and installed with the flange end connecting to the tee, cross, or fitting and megaluged to the line unless otherwise approved by the Water Department. Valves greater than twelve inches shall have flange x flange with an MJ adaptor in order to flange to tee, cross, or fitting and shall be megaluged to line.

All six- and eight-inch valves shall have a 16"x16"x4" slab of concrete placed under them for support. Valves ten inches and greater shall have a 20"x20"x4" concrete slab placed under them for support. All support slabs shall be tied to the valves.

All setter shut off valves shall be provided with bronze handles.

4.4.1.4(H.2) VALVE BOXES. *All valves shall be provided with a cast iron valve box of the extension sleeve type or a screw type adjustable, and the height shall be adjusted to bring the top of the valve box flush with the finished surface. Extension sleeve shall be drilled or slotted and the marking wire shall be threaded through. The valve box shall not be less than five inches in diameter and shall have a minimum wall thickness of .375 inch. The box shall be provided with a suitable base and cover. The word "WATER" shall be cast on the cover.*

Valve boxes shall be installed plumb and properly positioned to allow access of the operating wrench. To ensure that the box is not displaced during backfill operations, the backfill shall be hand mechanically tamped for a distance of five feet each way along the trench. All valve boxes shall include a concrete collar in accordance with the standard drawings with flow indication arrows and size of line.

4.4.1.4(I.2) CORPORATION STOPS. *Corporation stops shall be as manufactured by Ford or approval equal, and shall conform to the several designations shown below for the various sizes upon proper approval.*

	WATER SERVICE CONNECTION SIZE			
	3/4"	**1"**	**1-1/2"**	**2"**
FORD		FB1000	FB1000	FB1000
FORD (POLY)	F1101	F1101		

All services shall have a compression type joint for the service pipe and shall be

threaded on the inlet end with an AWWA corporation stop thread.

4.4.1.4(I.4) METER BOX AND LID. *The meter boxes shall be high density polyethylene (HDPE) "Brooks" design or equal. Size shall be as follows unless otherwise approved by City's Representative. When meter boxes are placed in a driveway, the meter box must be traffic rated with a one and three quarter (1 3/4") inch hole in the lid for meter endpoint.*

PIPE SIZE	METER BOX SIZE
3/4"	17" x 11 3/4" #1419-18
1"	25" x 16" #1324-18
1 ½" - 2"	32" x 19" #1730-18

The meter box lids shall have a hinged opening for meter reading. Lid marking shall be approved by the Water Department. A concrete collar shall be installed around the meter box in accordance with standard drawings. All meter boxes shall be placed behind sidewalks in accordance with standard drawings unless otherwise directed by City's Representative.

Any meter box covered, or damaged, during construction operations shall be uncovered, replaced, and raised to finish grade by the Contractor. In areas without sidewalks, meter boxes shall be flush, or one inch above the finish grade.

4.4.1.4(I.5) SERVICE CONNECTIONS. *At all points designated by the Water Department, service connections shall be installed and shall extend from the property line to the building, unless otherwise directed by the Water Department.*

Individual water services shall be three quarter (3/4) inch for a single service from the water main to the meter setter for normal domestic service. When directed by the Water Department, the water service shall be one and one half (1 1/2) or two inches in diameter. Services shall have a minimum of three (3) feet of cover and be constructed as shown in the standard drawings. For service laterals two inches in diameter and smaller, service saddles shall not be closer than twelve inches (12) from the end of the main, nor closer than eighteen (18) inches to any other service saddle or pipe joint.

Hot tapping is not allowed per section 4.4.1.4(E) Water Pipe and Fittings of this manual.

4.4.1.4(J) MARKING WIRE. *Marking wire shall be installed on all waterline installations unless otherwise approved by the Water Department. Marking wire shall conform to the following:*

J.1 Marking wire shall be spliced together with "grease" nuts, or equal. Prior to installation of the wire nut, a minimum amount of wire shall be bared and twisted together with pliers to assure good contact.

J.2 Marking wire should be taped and pulled tight along the top of the pipe to ensure against breakage.

J.3 Marking wire shall extend up to all hydrants and valves. At valve clusters marking wire shall be run to all valves. The wire should be pig tailed, not looped.

J.4 Marking wire shall extend out of the valve box six (6) to twelve (12) inches.

J.5 It is the Contractor's responsibility to guarantee and show that the marking wire performs satisfactorily for its intended use. It is required that the contractor test the performance of the wire prior to installation of surface improvements.

J.6 After all the boxes are raised and prior to placing concrete collars, the Contractor shall notify the Water Department to perform the final acceptance testing.

4.4.1.4(K) FIRE HYDRANTS. *Fire hydrants shall be a three-nozzle, five and one-half inch (5½) diameter Kennedy, Model K-81 or approved equal, with foot valve and six (6) inch mechanical joint connection. Fire hydrants shall conform to the latest edition of AWWA C-502, "Dry Barrel Fire Hydrants." All hydrants shall be designed for a working pressure of two hundred (200) psi and a hydrostatic pressure of three hundred fifty (350) psi. Hydrants shall be furnished with a paint finish above the ground line identical in color to the existing hydrant paint (red).*

Hydrants shall be installed with a shut-off valve at the mainline. If the hydrant lateral is greater than two hundred (200) feet long, a second valve shall be installed at a location determined by the Water Department.

After the hydrant is installed and accepted, it will be the responsibility of the Water Department to maintain the hydrant. Where applicable, the customer/property owner will allow the Water Department access for said maintenance.

Dead-end mains shall not be installed without prior approval of the Water Department. If installed they shall not exceed six hundred (600) feet in length. Hydrants shall be located at the end of dead-end mains for flushing purposes as well as for fire protection. Washout valves, in lieu of fire hydrants, are not allowed without prior approval of the Water Department.

Hydrants shall be of a flanged joint type or mechanical joint inlet. All hydrants shall be so designed as to allow the flanges at sidewalk level to separate without

material damage to the main barrel section when struck by a large object, such as a vehicle. Upon such damage, the main gate valve must remain closed to avoid flooding or washout. Hydrants with a nominal five-inch valve opening shall be furnished with two nominal two and one half (2½) inch National Standard Thread Hose Nozzles and one nominal four and one half (4½) inch National Standard Thread Pumper Nozzle. All nozzles shall be furnished with a cap and gasket with attaching chain. All hydrants shall open counter clockwise with a pentagon operating nut conforming in size to the specifications of the Water Department.

Fire hydrants shall be set to provide at least the minimum pipe cover for the branch supply line. Nozzles shall be at least eighteen (18) inches above finish grade. Each hydrant shall be set on a concrete foundation at least eighteen (18) inches square and four (4) inches thick. Each hydrant shall be blocked against the end of the trench with concrete. Hydrant drainage shall be provided by installing gravel or crushed rock (3/4" to 2" washed gravel) around the hydrant, and below the top of the hydrant supply line. One third (1/3) cubic yard of one and one half (1½) inch gravel shall be placed around the drain holes just above the hydrant valve casing. All hydrants shall stand plumb. The hydrant pumper nozzles shall face the street and be perpendicular to the curb line. The hose nozzle shall be parallel to the street. Hydrants shall be located inside the street utility easements or as otherwise directed by the Water Department.

4.4.1.4(M) PRESSURE REDUCING VALVES. *Pressure reducing valve installation will be constructed as per the detail shown in the standard drawings. The valves will be as manufactured by Watts or Cla-Val and approved by the reviewing City Engineer.*

2. Modification of Section 6.2 of the Toquerville City Standards and Specifications for Street Lighting. Section 6.2 of the Toquerville City Standards and Specifications for Street Lighting is hereby amended as follows:

6.2 STREETLIGHT. See Rocky Mountain Power and Toquerville City Standard Drawings. *Streetlights shall have a maximum correlated color temperature (CCT) in accordance with Toquerville City Exterior Lighting Ordinance. Materials of different manufacturers may be substituted if proper approval has been obtained from the reviewing City Engineer or designee. When placed in a right of way with a road width of 42'-120', the mounting height shall be as per Standard Drawing L-01 with a pole spacing of 220-300'.*

FA011 General Lighting—Roadways

Illustrations of typical luminaires are provided in Figure 5 and Figure 6. Applicable sizes for each type of luminaire, dimensions and some features are given.

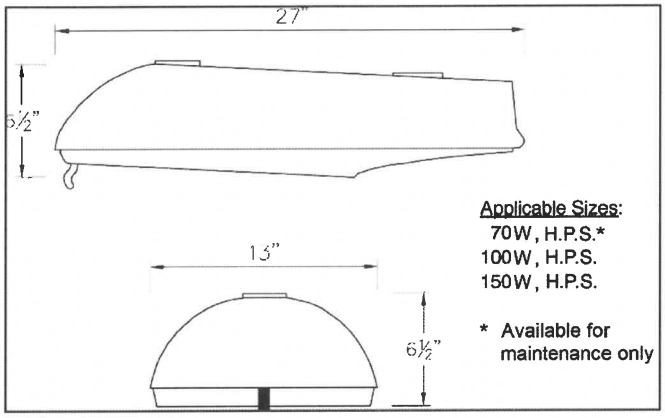


Figure5—Typical Horizontal Luminaire, Flat-Glass Type

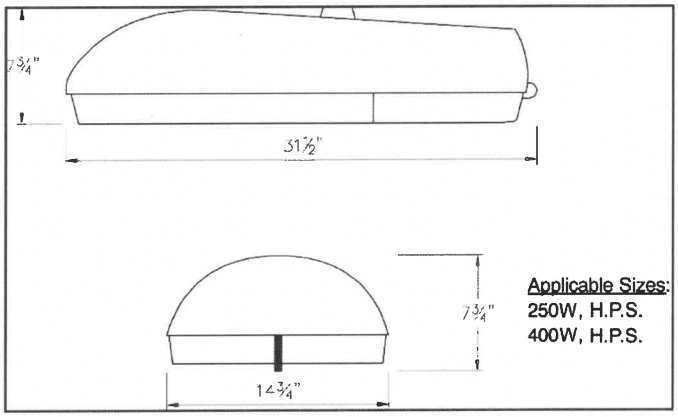


Figure6—Typical Horizontal Luminaire, Flat-Glass Type with Power Door

TOQUERVILLE CITY					
REVISIONS			GENERAL LIGHTING—ROADWAY	STANDARD DWG. NO.	
DATE	DESCRIPTION	BY		FA011	1 OF 1
				APPROVED:	
				DATE:	BY: JMD

FL401 Luminaire—Horizontal Lighting

RCMS Code:BA

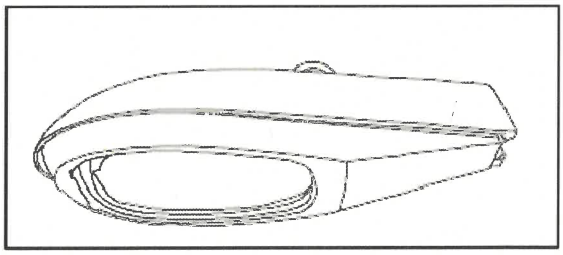
	FL401____
LuminaireType	**Code**
HPS (with PERcpt)	A
HPS (No PERcpt)	B
Luminaire Watts	**Code**
100W	C
150W	D
250W	G
400W	H
Luminaire Volts	**Code**
120V	A
240V	B
480V	C
Lense/IESType	**Code**
Flat Glass, TypeII	A
Flat Glass, TypeIII	B
Area	**Code**
Normal	A
Coastal/Contaminated	B

Scope

This standard provides the materiall isting and illustration for a high pressure sodium (HPS) horizontal luminaires with either refractor or flat-glass lenses that are used in street lighting installations.

Notes

1. Refer to state tariffs to determine light size and type application by state.
2. For cities that have full cutoff ordinances, flat glass fixtures must be used for replacements.



TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

FL401 HORIZONTAL LIGHTING

STANDARD DWG. NO. FL401 | 1 OF 2

APPROVED:

DATE: | BY: JMD

FL 401 HORIZONTAL LIGHTING MATERIALS

FL401 Luminaire—Horizontal Lighting

Figure1—Horizontal Luminaire with Flat-Glass Lens

Table 1—List of Materials

SI#	Description
	HighPressureSodium(HPS)
1001144	Luminaire, HPS, Street, 100W, 120V, FlatGlass, TypeIICutoff, PERcpt
1008774	Luminaire, HPS, Street, 100W, 120V, FlatGlass, TypeII Cutoff, PERcpt, Coastal
1008635	Luminaire, HPS, Street, 150W, 120V, FlatGlass, TypeIII Cutoff, PERcpt
7992857	Luminaire, HPS, Street, 150W, 120V, FlatGlass, TypeIII Cutoff, PERcpt, Coastal
3932159	Luminaire, HPS, Street, 250W, 120V, FlatGlass, TypeIII Cutoff, PERcpt w/ fiber gasket
7992858	Luminaire, HPS, Street, 250W, 120V, FlatGlass, TypeIII Cutoff, PERcpt, Coastal
1800201	Luminaire, HPS, Street, 250W, 240V, FlatGlass, TypeIII Cutoff, PERcpt
3932233	Luminaire, HPS, Street, 400W, 120V, FlatGlass, TypeIII Cutoff, PERcpt
7992684	Luminaire, HPS, Street, 400W, 120V, FlatGlass, TypeIII Cutoff, PERcpt, Coastal
3932241	Luminaire, HPS, Street, 400W, 240V, FlatGlass, TypeIII Cutoff, PERcpt
3932290	Luminaire, HPS, Street, 400W, 480V, FlatGlass, TypeIII Cutoff, without PERcpt

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

FL401 HORIZONTAL LIGHTING MATERIALS

STANDARD DWG. NO. FL401 2 OF 2
APPROVED:
DATE: BY: JMD

FL402 Luminaire—Horizontal Lighting, LED, Street Light Luminaires

RCMS Code:BA

	FL402__
Level	Code
Level 2	A
Level 3	B
Level 5	C
Level 6	D
Level 1	E
Level 2	F
Color Temperature	Code
3,000K	A
4,000K	B

Scope

This standard provides information on street light luminaires with a photo cell for mounting on wood, metal, or fiberglass poles. These units are rated to accept voltage from 120V to 277V.

Notes

1. Color temperature, measured in Kelvins(K), refers to how "warm" or "cool" light appears. 3,000K LEDs have as lightly amber color relative to the 4,000K LEDs. While the 4,000K option is preferred, 3,000K LEDs may be installed in environmentally sensitive areas or at the request of the customer.

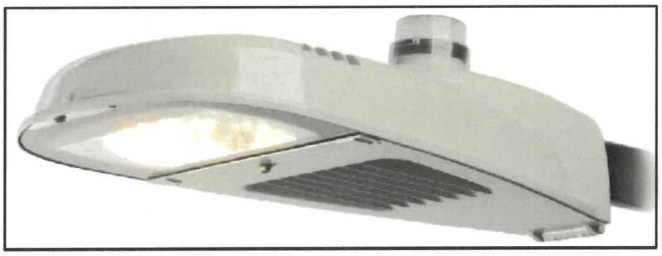


Figure 1—Horizontal LED Luminaire

TOQUERVILLE CITY					
REVISIONS			FL402 HORIZONTAL LIGHTING —LED	STANDARD DWG. NO.	
DATE	DESCRIPTION	BY		FL402	1 OF 2
				APPROVED:	
				DATE:	BY: LBB

Toquerville City, Washington County
Corporate SEAL
* UTAH *

FL 402 HORIZONTAL LIGHTING – LED MATERIALS

FL402 Luminaire—Horizontal Lighting, LED, Street Light Luminaires

Table1—ListofMaterials

SI#	Description
8004094	Luminaire, LED, Level1, 4000K,120-277V, Type2, PE
8002148	Luminaire, LED, Level2, 4000K, 120-277V, Type2, PE
8002149	Luminaire, LED, Level3, 4000K, 120-277V, Type3, PE
8004095	Luminaire, LED, Level4, 4000K, 120-277V, Type3, PE
8002150	Luminaire, LED, Level5, 4000K,1 20-277V, Type3, PE
8002151	Luminaire, LED, Level6, 4000K, 120-277V, Type3, PE
8004425	Luminaire, LED, Level1, 3000K, 120-277V, Type2, PE
8004421	Luminaire, LED, Level2, 3000K, 120-277V, Type2, PE
8004422	Luminaire, LED, Level3, 3000K, 120-277V, Type3, PE
8004426	Luminaire, LED, Level4, 3000K, 120-277V, Type3, PE
8004423	Luminaire, LED, Level5, 3000K, 120-277V, Type3, PE
8004424	Luminaire, LED, Level6, 3000K, 120-277V, Type3, PE

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

FL402 HORIZONTAL LIGHTING – LED MATERIALS

STANDARD DWG. NO. FL402 2 OF 2
APPROVED:
DATE: BY: JMD

FP131 Lighting Pole Assembly—Galvanized Steel—Underground Service

Scope

This standard should be used for new steel light pole installations. Galvanized steel poles may also be painted if required to meet field conditions.

Standard References

FA001 General Lighting—Information.

FA011 General Lighting—Roadways

FC001 Lighting Cable and Conductor—General Information

FC201 Cable, Street Lighting, Underground

FP001 Lighting Poles—General Information

FP011 Lighting Poles—Steel Pole Painting

FP171 Concrete Footing Assembly—Metal Poles

FP201 Conductor, Copper, Insulated, #10AWG (Internal Wiring)

RCMS Code: BA

FP131___			
PoleHeight	**Code**	•	
35'	C		
MastArmLength	**Code**		•
6'	A		
8'	B		
NumberofMastArms	**Code**		•
1	A		
2	B		

Notes

1. Poles are supplied with mast arms.
2. Poles shall be furnished with a grounding nut welded to the inside of the pole, with a hand hole and cover, and with pole base covers.
3. See FP171, Figure1-Typical Concrete Footing with 11" Bolt Circle,for grounding detail.

TOQUERVILLE CITY					
REVISIONS			FP131 LIGHTING POLE ASSEMBLY	STANDARD DWG. NO.	
DATE	DESCRIPTION	BY		FP131	1 OF 2
				APPROVED:	
				DATE:	BY: JMD

FP131 Lighting Pole Assembly—Galvanized Steel—Underground Service

Table1—List of Materials

No.	S.I. No.	Description
1	3728458	Pole, steel, 35ft, street lighting, 6′×2″ mast arm
	3728003	Pole, steel, 35ft, street lighting, 8′×2″ mast arm
	3728076	Pole, steel, 35ft, street lighting, 2-8′×2″ mast arms
2	—	Underground insulated aluminum feeder conductors (external wiring,seeFC001andFC201)
3	4532016	Conductor, copper, #10, solid, thwn-thhn, black
4	4532073	Conductor, copper, #10, solid, thwn-thhn, white
5	4518007	Conductor, copper, #6, solid, bare, soft-drawn, 25-lb spool
6	6117709	Connector, ground, bronze, #1 to #10 Cu, 1 bolt
7	4629200	Connector, compression, #6 solid – #2 strand to #14 solid – #8 strand for aluminum, copper, and ACSR conductor
8	4629309	Connector, compression, #2 strand – 2/0 strand to #10 solid – #6 strand for aluminum, copper, and ACSR conductor
9	4629408	Connector, compression, #1/0 strand – 4/0 strand to #12 solid – #10 strand for aluminum, copper, and ACSR conductor

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

FP131 LIGHTING POLE ASSEMBLY MATERIALS

STANDARD DWG. NO. FP131 2 OF 2
APPROVED:
DATE: BY: LBB

FP131 Lighting Pole Assembly—Galvanized Steel—Underground Service

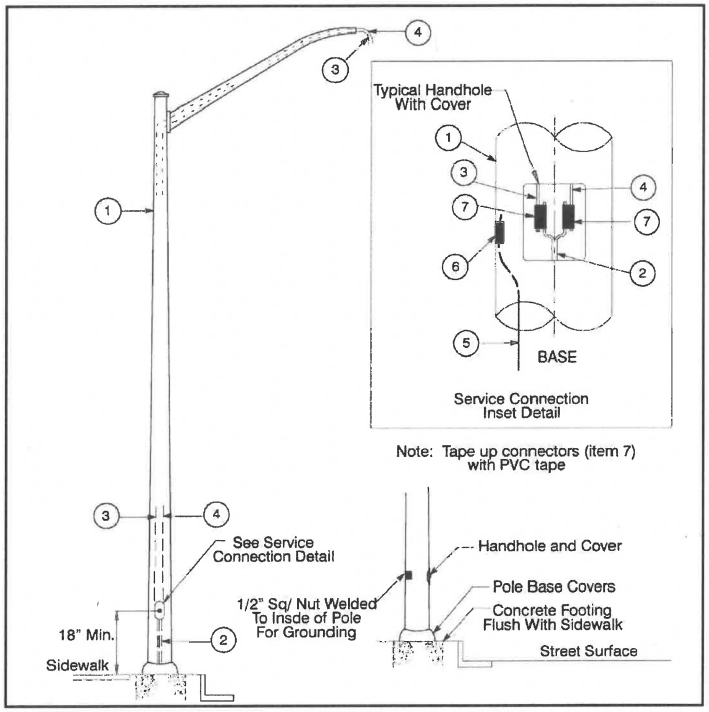


Figure1—Lighting Pole Assembly, Galvanized Steel, Underground Service

TOQUERVILLE CITY					
REVISIONS			FP131 LIGHTING POLE ASSEMBLY UNDERGROUND SERVICE	STANDARD DWG. NO.	
DATE	DESCRIPTION	BY		FP131	1 OF 1
				APPROVED:	
				DATE:	BY: LBB

FP151 Lighting Pole Assembly—Aluminum—Underground Service

RCMS Code:BA**FP151**__

Pole Height	**Code**
25 feet	A
30 feet	B
Mast Arm Length	**Code**
6 feet	A
8 feet	B

Scope

This standard should be used for new aluminum light pole installations with underground service.

Standard References

FA001 General Lighting—Information

FA011 General Lighting—Roadways

FC001 Lighting Cable and Conductor—General Information

FC201 Cable, Street Lighting, Underground

FP001 Lighting Poles—General Information

FP171 Concrete Footing Assembly—Metal Poles

FP201 Conductor, Copper, Insulated, #10AWG (Internal Wiring)

Notes

1. Poles are supplied with mast arms.
2. Poles shall be furnished with a grounding nut welded to the inside of the pole, with a handhole and cover, and with pole base covers.
3. See FP 171, Figure1 — Typical Concrete Footing with 11" Bolt Circle, for grounding detail.

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

LIGHTING POLE ASSEMBLY—ALUMINUM

STANDARD DWG. NO. FP151 | 1 OF 1

APPROVED:

DATE: | BY: LBB

LIGHTING POLE ASSEMBLY – ALUMINUM MATERIAL

FP151 Lighting Pole Assembly—Aluminum—Underground Service

Table1—ListofMaterials

No.	S.I. No.	Description
1	3724408	Pole, aluminum, 25ft, street lighting, 6' mast arm
	3724416	Pole, aluminum, 25ft, street lighting, 8' tapered elliptical mast arm
	3724606	Pole, aluminum, 30ft, street lighting, 6' mast arm
	3724614	Pole, aluminum, 30ft, street lighting, 8' mast arm
2	—	Underground insulated aluminum feeder conductors (external wiring, see FC001 and FC201)
3	4532016	Conductor, copper, #10, solid, thwn-thhn, black
4	4532073	Conductor, copper, #10, solid, thwn-thhn, white
5	4503504	Wire, tie, #4, aluminum, solid, strong annealed, 6061 alloy
6	4626008	Connector, H-type, A: .162-.332, B: .162-.332, compression
7	4518007	Conductor, copper, #6, solid, bare, soft-drawn, 25-lb spool
8	6117709	Connector, ground, bronze, no. 8 solid - no. 2 strand
9	4629200	Connector, compression, aluminum, no. 6 solid to no. 4 ACSR and no. 14 solid to no. 8 solid

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

LIGHTING POLE ASSEMBLY–ALUMINUM MATERIAL

STANDARD DWG. NO. FP151 1 OF 1
APPROVED:
DATE: BY: JMD

LIGHTING POLE ASSEMBLY – ALUMINUM UNDERGROUND SERVICE

FP151 Lighting Pole Assembly—Aluminum—Underground Service

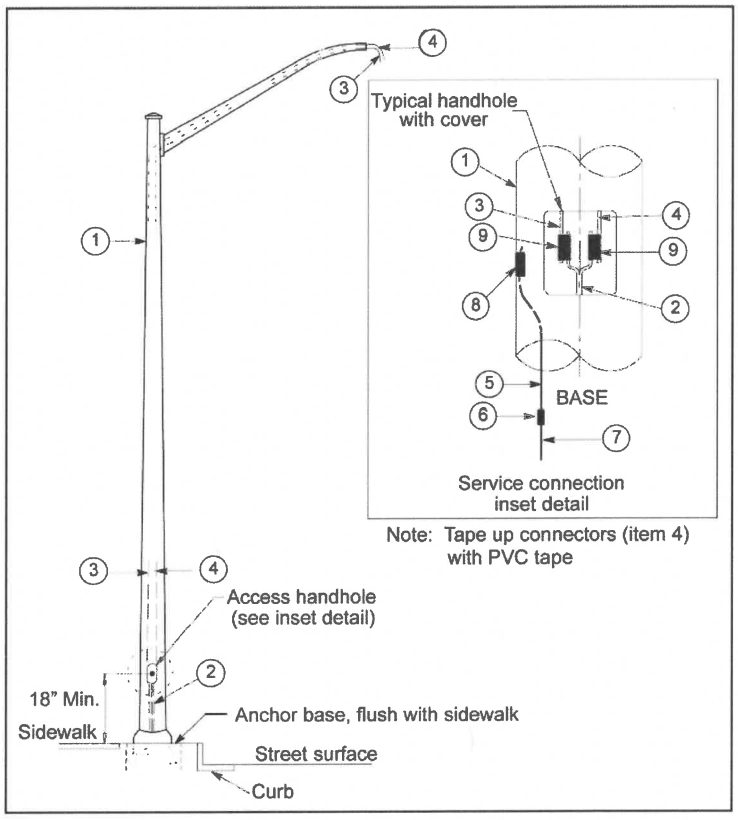
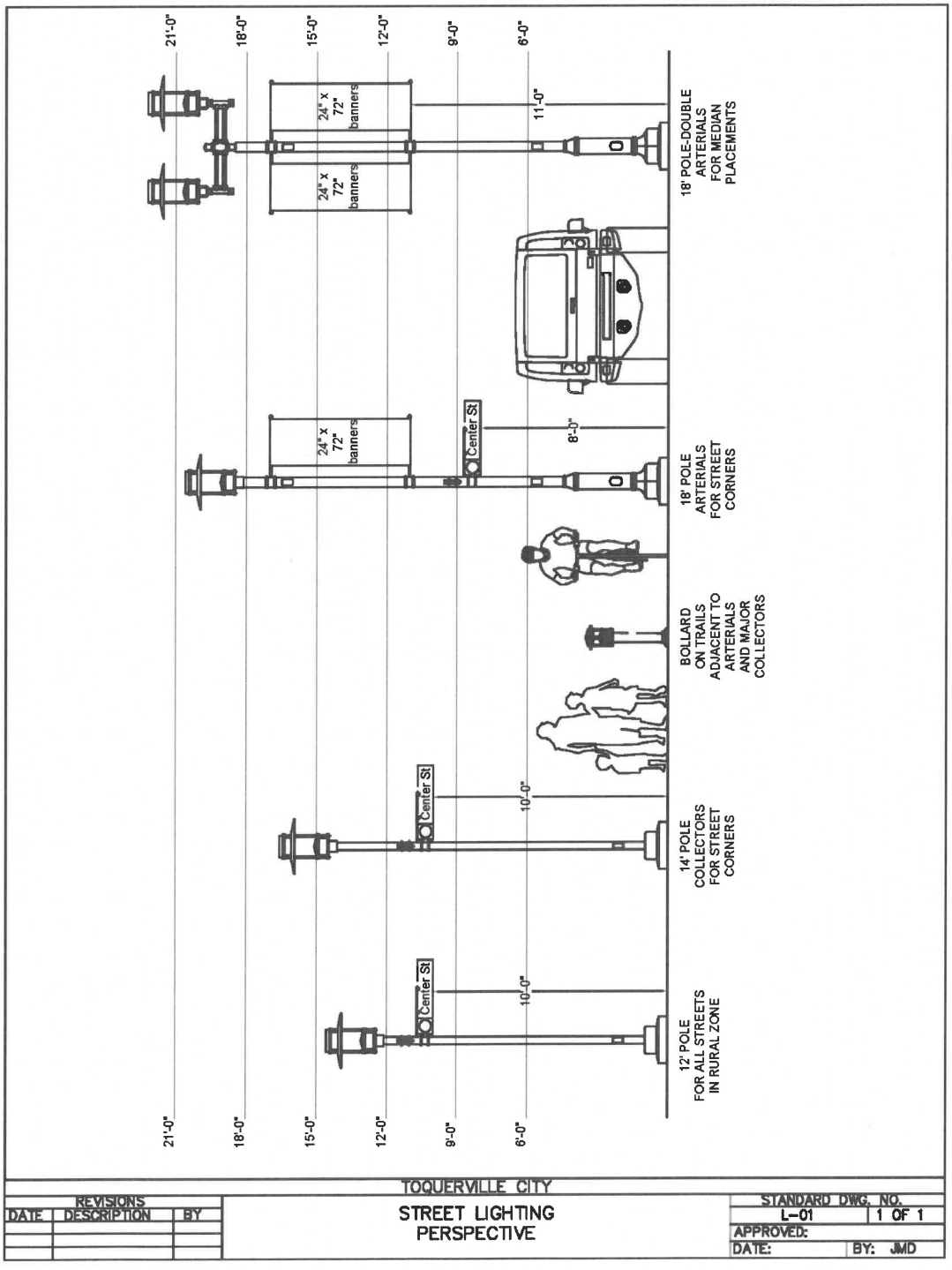


Figure1—Lighting Pole Assembly, Aluminum, Underground Service

TOQUERVILLE CITY					
REVISIONS			LIGHTING POLE ASSEMBLY–ALUMINUM UNDERGROUND SERVICE	STANDARD DWG. NO.	
DATE	DESCRIPTION	BY		FP151	1 OF 1
				APPROVED:	
				DATE:	BY: JMD

STREET LIGHTING PERSPECTIVE



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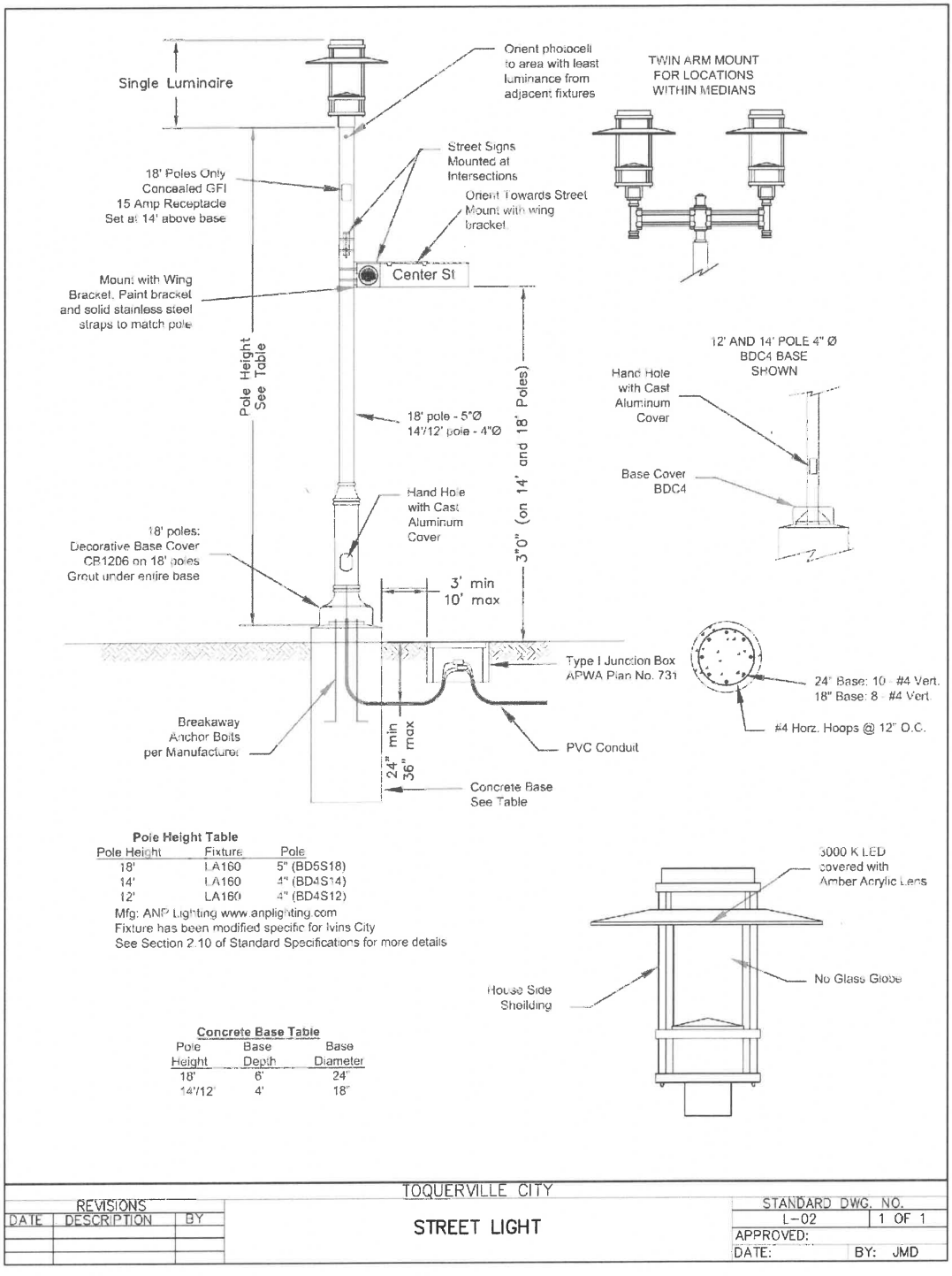
* UTAH *

STREETLIGHT



Pole Height Table

Pole Height	Fixture	Pole
18'	LA160	5" (BD5S18)
14'	LA160	4" (BD4S14)
12'	LA160	4" (BD4S12)

Mfg: ANP Lighting www.anplighting.com
Fixture has been modified specific for Ivins City
See Section 2.10 of Standard Specifications for more details

Concrete Base Table

Pole Height	Base Depth	Base Diameter
18'	6'	24"
14'/12'	4'	18"

REVISIONS		
DATE	DESCRIPTION	BY

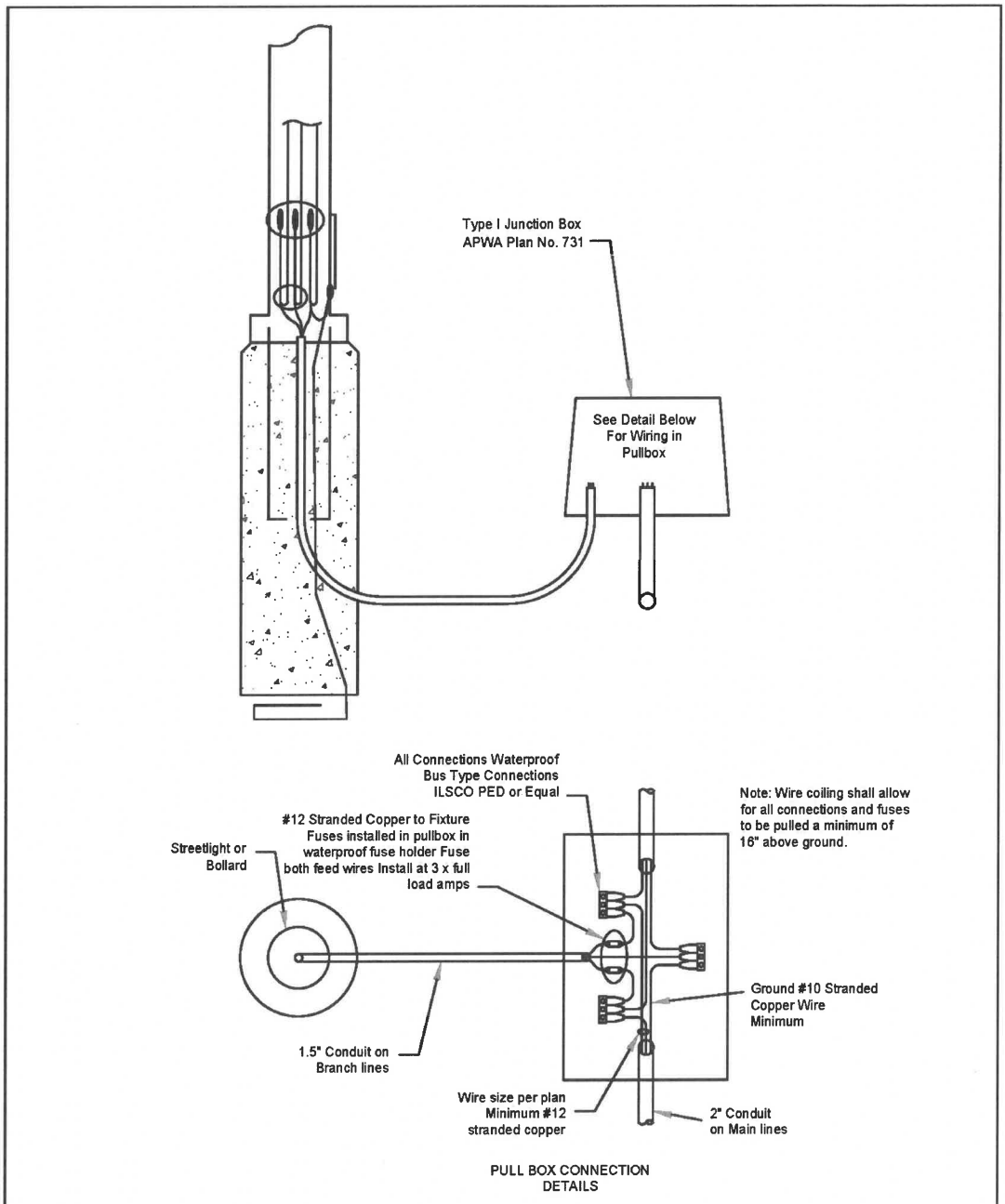
TOQUERVILLE CITY

STREET LIGHT

STANDARD DWG. NO.	
L-02	1 OF 1
APPROVED:	
DATE:	BY: JMD

Toquerville City, Washington County
Corporate SEAL
UTAH

STREET LIGHT WIRING DETAIL

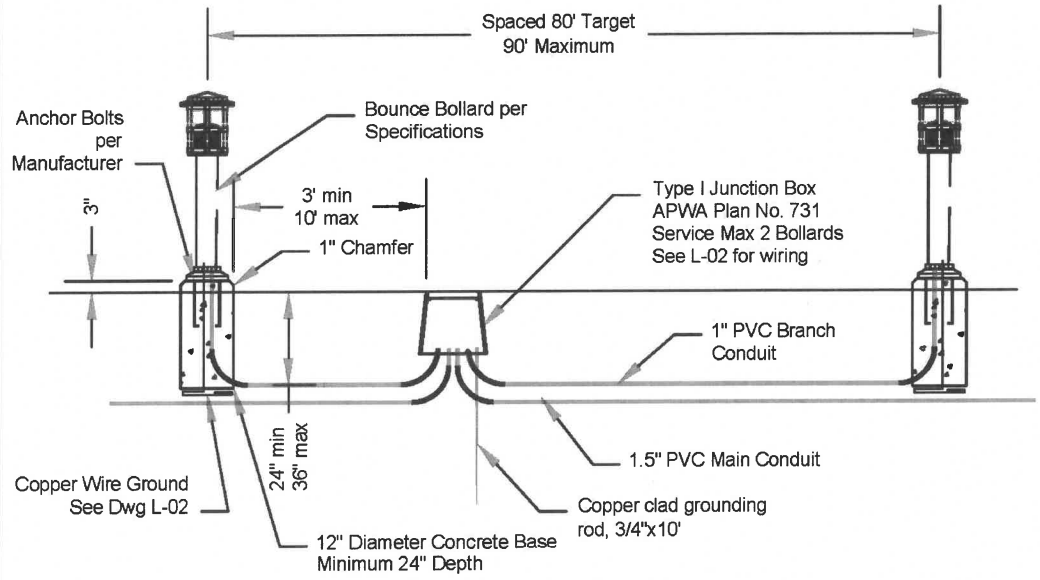


Toquerville City, Washington County Corporate SEAL *UTAH*

BOLLARD DETAIL

Notes:

1. Junction Box shall be plastic when in landscape areas and polymer concrete when in paved areas.
2. APWA Section 26 56 19, Roadway Lighting.
3. Bollard Specifications: MFR: Kim Lighting (www.kimlighting.com) Model: Bounce Bollard, 27 LED Type 3 Distribution, Color Temp. 3000K, Finish dark bronze with dark sky compliant Black Body Cap Catalog #: BNB1-27L-3K-UV-DB-BBC (Voltage as determined by plans/electrician)
4. Replace glass lens with amber colored acrylic lens provided by Toquerville City.



TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

BOLLARD DETAIL

STANDARD DWG. NO. L-04 | 1 OF 1

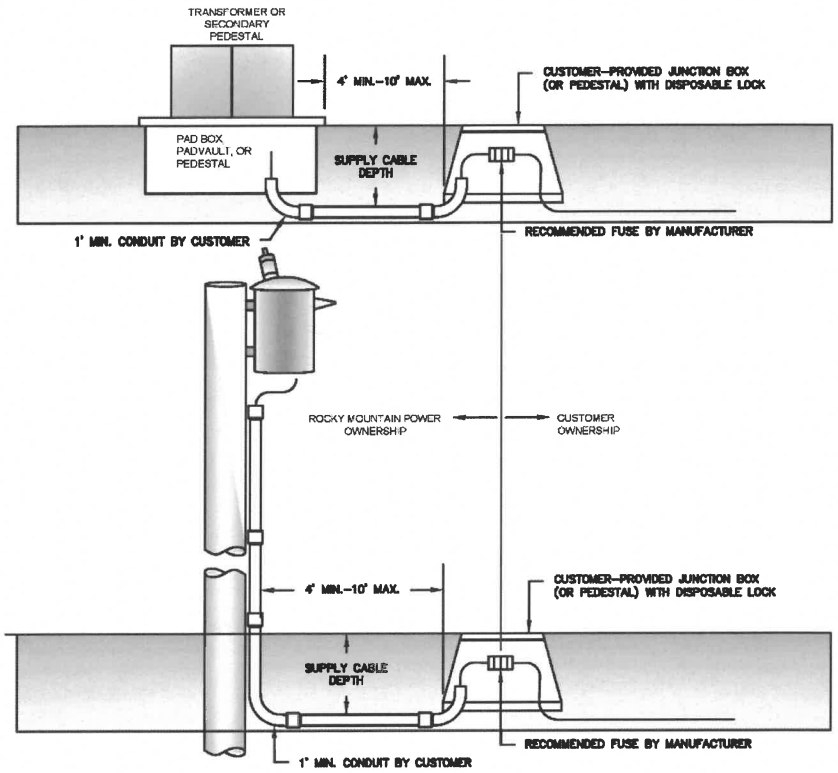
APPROVED:

DATE: BY: JMD

Toquerville City, Washington County
Corporate
SEAL
UTAH

STREET LIGHT CONNECTION TO ROCKY MOUNTAIN POWER

STREETLIGHT POINT-OF-DISCONNECT DIAGRAM



TOQUERVILLE CITY NOTES:

1. THIS ROCKY MOUNTAIN POWER STANDARD SHALL BE THE STANDARD FOR THE CONNECTION OF ALL TOQUERVILLE CITY STREETLIGHTS. ALTERNATIVE TYPES OF CONNECTIONS SHALL BE APPROVED BY ROCKY MOUNTAIN POWER AND TOQUERVILLE CITY ENGINEER.
2. ALL REFERENCES TO "CUSTOMER" ARE TO BE INTERPRETED AS TOQUERVILLE CITY.

CUSTOMER RESPONSIBLE FOR:

- PROVIDING AND INSTALLING A JUNCTION BOX OR PEDESTAL, CONDUIT, FUSING, AND CUSTOMER-OWNED WIRE. THE JUNCTION BOX OR PEDESTAL MUST BE STRONG ENOUGH FOR INCIDENTAL TRAFFIC AREAS.
- COORDINATING WITH ROCKY MOUNTAIN POWER ON JUNCTION BOX OR PEDESTAL LOCATION AND ALL DIGGING WITHIN THE VICINITY ROCKY MOUNTAIN POWER FACILITIES.
- ENSURING THE CONSTRUCTION OF NEW OR REMODELED INSTALLATIONS CONFORM TO APPLICABLE PROVISIONS OF THE NEC STATE RULES, AS WELL AS CITY AND COUNTY CODES.

ROCKY MOUNTAIN POWER IS RESPONSIBLE FOR:

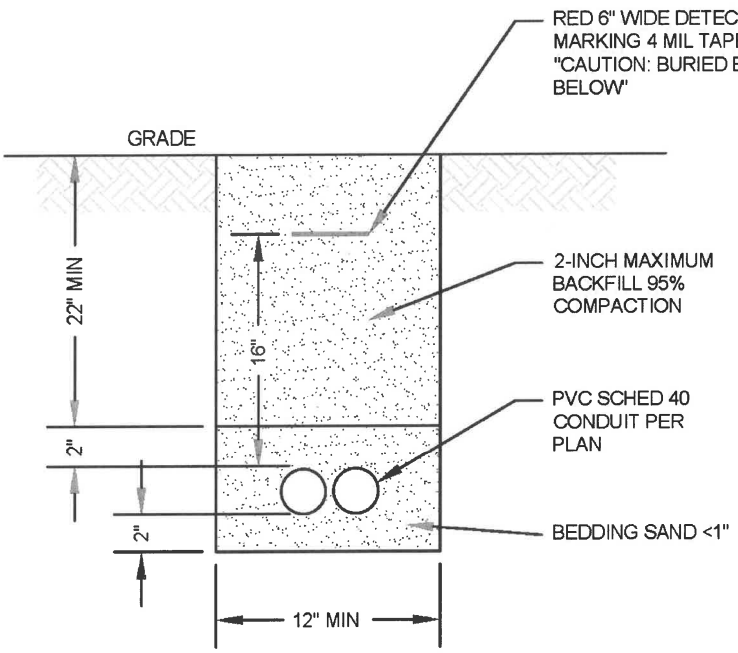
- MAKING THE CONNECTION WITHIN ROCKY MOUNTAIN POWER FACILITIES (TRANSFORMER OR SECONDARY BOX)

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY	STREET LIGHT CONNECTION TO ROCKY MOUNTAIN POWER	STANDARD DWG. NO. L–05	1 OF 1
				APPROVED:	
				DATE:	BY: JMD

Toquerville City, Washington County
Corporate SEAL
* UTAH *

STREET LIGHT CONDUIT TRENCH DETAIL



TOQUERVILLE CITY

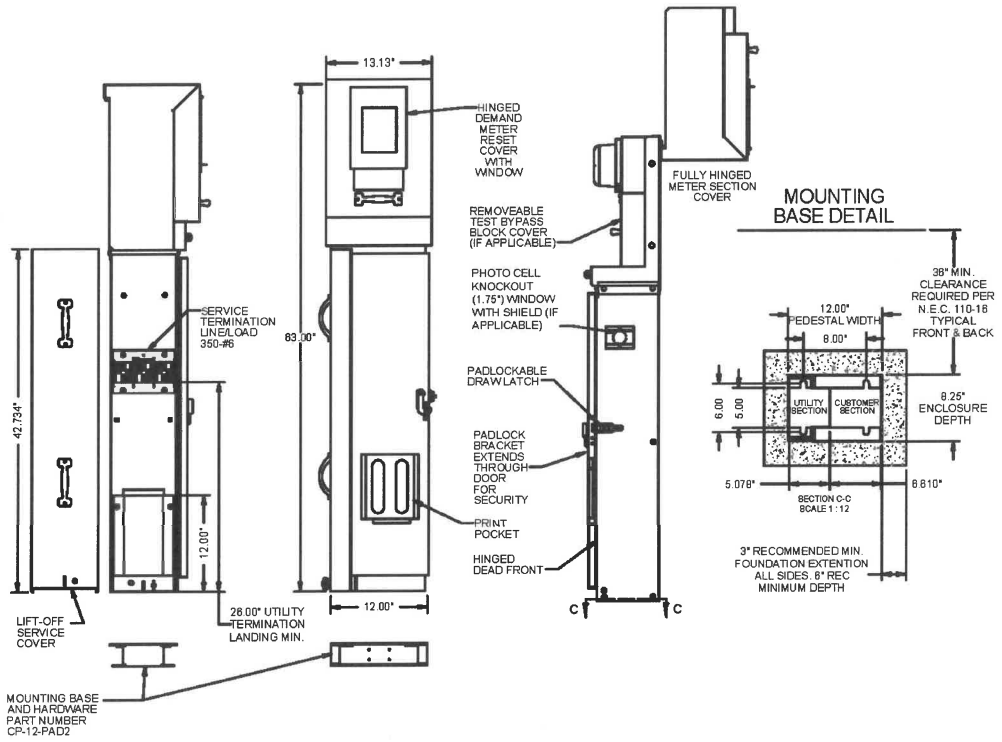
REVISIONS DATE	DESCRIPTION	BY

STREET LIGHT CONDUIT TRENCH DETAIL

STANDARD DWG. NO. L-06 | 1 OF 1
APPROVED:
DATE: | BY: JMD

ELECTRICAL METER SERVICE PEDESTAL

"A" STYLE SLIMLINE METERED COMMERCIAL PEDESTAL



NOTES:

1. MILBANK "A" STYLE SLIMLINE CP3A OR SIMILAR EQUAL 100 AMP SERVICE PEDESTAL.
2. SET ON A 18" X 18" X 10" CONCRETE BASE USING MOUNTING BASE HARDWARE OPTION PER MFR RECOMMENDATIONS.
3. FINISH COLOR: MATCH TO NERD BROWN CLC 1284N BY KWAL-HOWELL, FORMULA: AV-0590,LB-4Y24, RO-736, TW-36
4. SET BACK TO EDGE OF RIGHT-OF-WAY NO CLOSER THAN 3' TO NEAREST WALL.
5. SET PHOTOCELL ON SERVICE PEDESTAL.

TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

ELECTRICAL METER SERVICE PEDESTAL

STANDARD DWG. NO. L-07 | 1 OF 1
APPROVED:
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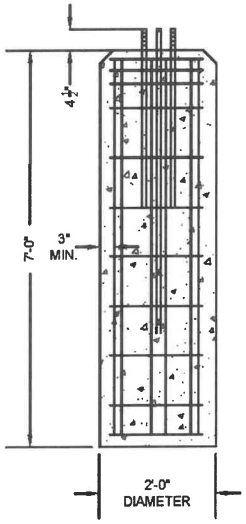
Toquerville City, Washington County
Corporate SEAL
UTAH

STREET LIGHT BASE 7'



NOTES

1" DIA. GALV. BOLT - 3" LONG

1" DIA. PVC CONDUIT

* 40' STANDARD TOQUERVILLE CITY SPEC LIGHT BASE

* 6 - #6 RODS VERTICAL

*7 - #3 RING AT 12" O.C. CONT 60 GRADE REBAR

#4,000 PSI CONC 28 DAYS

* #6 COPPER GROUND WIRE

*7' BASE USED FOR PARKING LIGHT BASES

CEMENT PLASTER-FINISH

*MINIMUM REBAR USED

FOR 35' HIGH & UNDER
6- #5 RODS VERT
7- #3 RINGS AT 17 O.C.

FOR 40' HIGH & ABOVE
6- #6 RODS VERT
7- #3 RINGS AT 12" O.C.

* 1" DIA. PVC CONDUIT 24" BELOW GRADE TO DESIGN SPEC'S

TOQUERVILLE CITY

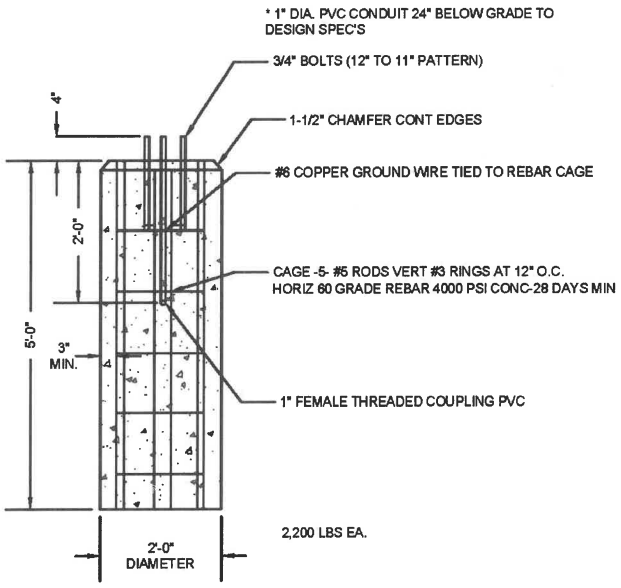
REVISIONS DATE	DESCRIPTION	BY

STREET LIGHT BASE 7'

STANDARD DWG. NO. DR-4 | 1 OF 1
APPROVED:
DATE: | BY: JMD

Toquerville City, Washington County
Corporate SEAL
* UTAH *

STREET LIGHT BASE 5'



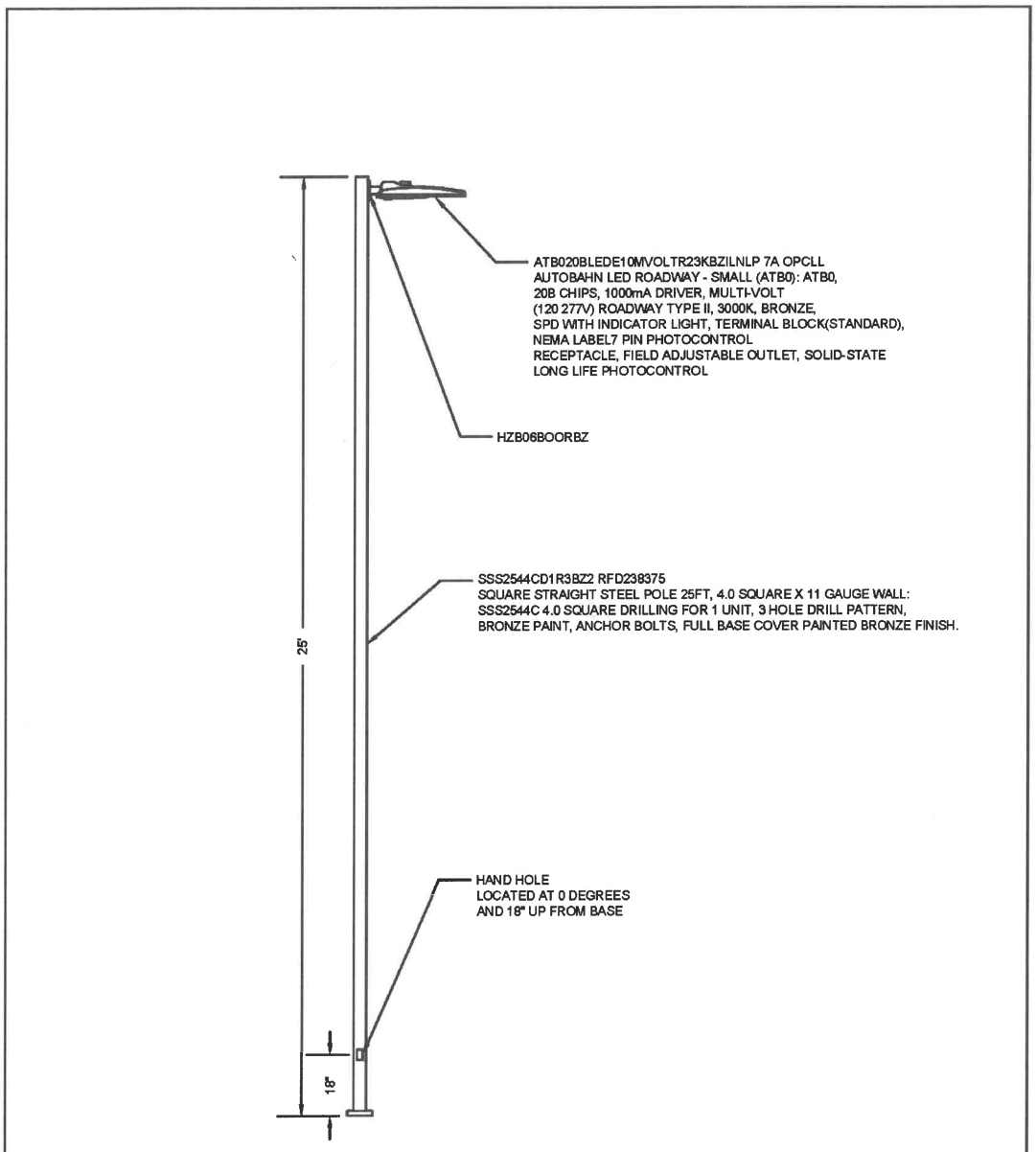
TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

STREET LIGHT BASE 5'

STANDARD DWG. NO. DR-5 1 OF 1
APPROVED:
DATE: BY: JMD

25' SQUARE POLE WITH ROAD FOCUS OR AUTOBAUN



TOQUERVILLE CITY

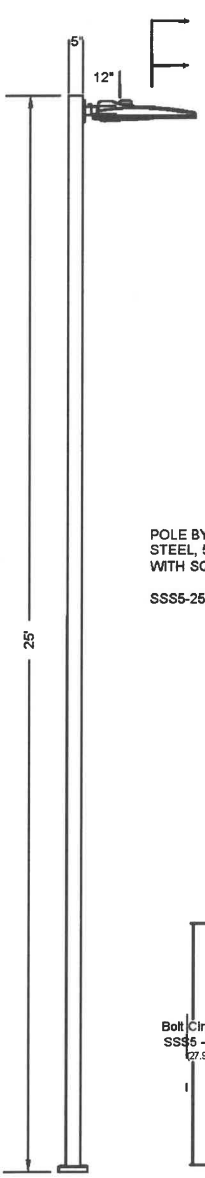
REVISIONS DATE	DESCRIPTION	BY

25' SQUARE POLE WITH ROAD FOCUS OR AUTOBAUN

STANDARD DWG. NO.	
DR-6	1 OF 1
APPROVED:	
DATE:	BY: JMD

25' SQUARE POLE WITH ROAD FOCUS OR AUTOBAUN

SL-02 COBRA HEAD ASSEMBLY



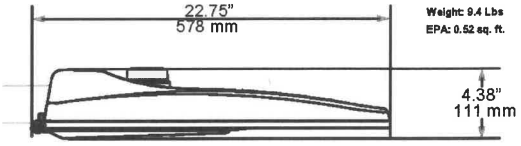
PHOTOCELL BY STEVENS SALES
EK4536KL
10 YEAR WARRANTY, BLACK.

FIXTURE BY STEVENS SALES
3000K, BLACK.
RFM-160W48LED3K-G2-R3M-UNV-DMG-FAWS-RCD7-BK

POLE BY STEVENS SALES
STEEL, 5" SQUARE, 25' TALL, BLACK
WITH SQUARE BASE COVER.

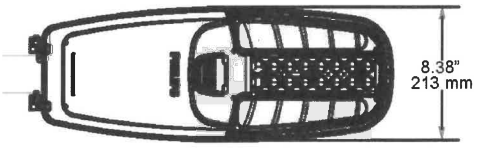
SSS5-25'-5-11-MOD-BK

Side View

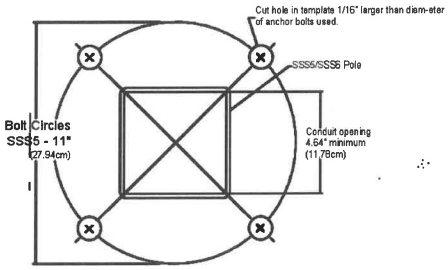


Weight: 9.4 Lbs
EPA: 0.52 sq. ft.

Bottom View



ANCHOR BOLT PATTERN DETAIL



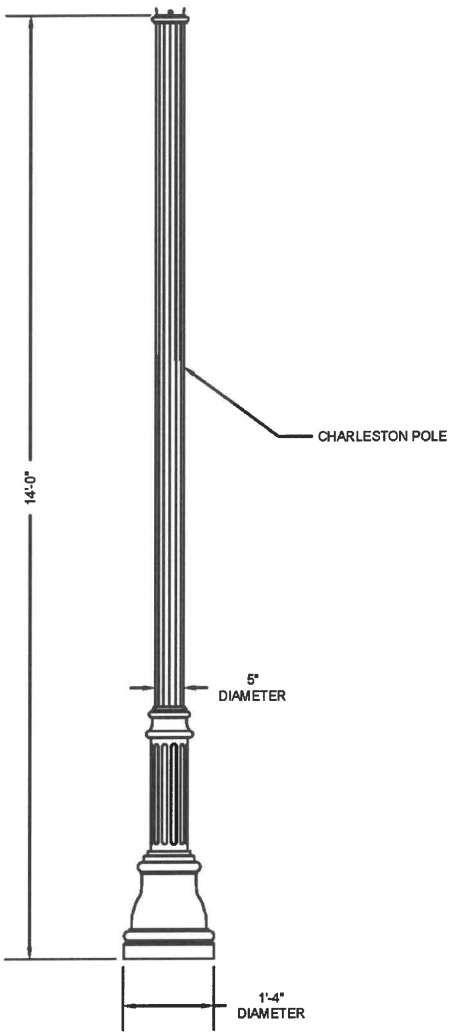
TOQUERVILLE CITY

REVISIONS DATE	DESCRIPTION	BY

25' SQUARE POLE WITH ROAD FOCUS OR AUTOBAUN

STANDARD DWG. NO. DR-7 | 1 OF 1
APPROVED:
DATE: | BY: JMD

DECORATIVE STREET LIGHT POLE



Specifications

POST DESCRIPTION The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design. The shaft shall be 5" Ø fluted. The post shall be Holophanes' catalog number CH14F5/16-CA/BZ.

MATERIALS The base shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be circumferentially welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All exposed welds below 8' shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The post shall be 14'- 0" in height with a 16" diameter x 44" tall base. The shaft diameter shall be 5". At the top of the post, an integral 3" O.D. tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION The post shall be provided with four, hot dip galvanized L-type anchor bolts to be installed on a 10" to 12" diameter bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

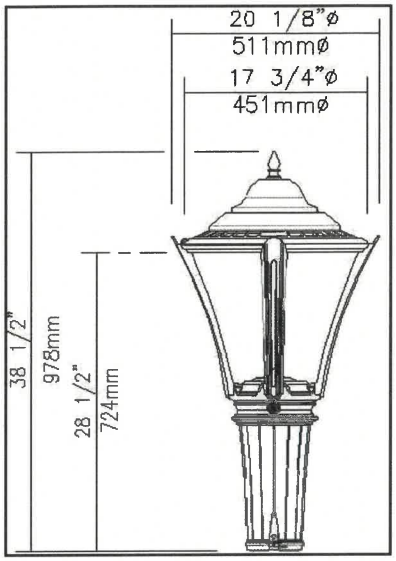
LUMINAIRE DESCRIPTION LED Luminaire utility Granville with 3400 deliverable lumens max at 3,000 kelvins and maximum wattage of 40 input watts. Auto sensing ballast 120 -277 volt, photo control receptacle with LED photo cell rated for minimum of 10 years. Electrical components are mounted on a removable tray with a disconnect plug for ease of maintenance.

Luminaire provided with a prismatic borosilicate glass lens and internal lunar optics uplight shield, refractor to provide an IES type III distribution. Acrylic or polycarbonate plastic lens are not acceptable. Luminaire factory pre-wired with 25' of #10 leads.

TOQUERVILLE CITY				
REVISIONS				STANDARD DWG. NO.
DATE	DESCRIPTION	BY	DECORATIVE STREET LIGHT POLE	DR-8 1 OF 1
				APPROVED:
				DATE: BY: JMD

Toquerville City, Washington County
Corporate SEAL
UTAH

POST TOP STREET LIGHT



Finial: Decorative cast 356 aluminum, mechanically assembled.

Hood: Made of die cast A360.1 Aluminum alloy 0.100 (2.5mm) minimum thickness, mechanically assembled to the cast aluminum heat sink.

Access-Mechanism: A die cast A360.1 Aluminum alloy 0.100 (2.5mm) minimum thickness technical ring with latch and hinge.

Temperature: Maximum ambient operating temperature up to 40C(104F) degrees.

Lens: Made of soda lime tempered glass lens, mechanically assembled and sealed onto the ring of the access mechanism.

LED Module: Composed of 48 high performance white LEDs. Color temperature as per ANSI/NEMA bin Warm White, 3000 Kelvin nominal, CRI 70 Min. 75 Typical.

Optical System: (LE5, LE3), IES type V, or III. Edge lit optical system, no substitutions* . Optical system is rated IP66. 0% uplight and U0 per IESNA TM 15.

Driver: High power factor of 90% minimum. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC Driver Options: (DMG), Dimming compatible 0 10 volts.

Surge Protector: Surge protector 10kV/10kA

Lumens: 7,452 lumens in type III, 7,572 lumens, in type 5, FAWS dial at 10*.

Wattage: Max 95 watts.

FAWS: Field Adjustable Wattage Switch. No substitutions*

Warranty: 10 year limited warranty. No substitutions*

Photocell Receptacle: 7 pin.

Finish: Powder coat black

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumens Multiplier	Typical System wattage
1	0.300	0.750
2	0.330	0.750
3	0.360	0.750
4	0.390	0.750
5	0.420	0.750
6	0.450	0.750
7	0.480	0.750
8	0.510	0.750
9	0.540	0.750
10	1.000	1.000

Note: Typical values measured at 120V

REVISIONS DATE	DESCRIPTION	BY

TOQUERVILLE CITY

POST TOP STREET LIGHT

STANDARD DWG. NO. DR-9 1 OF 1

APPROVED:

DATE: BY: JMD

3. REPEALER. This Resolution shall repeal and supersede all prior resolutions governing the same that are in direct contradiction hereto.

4. SEVERABILITY. If any provision or clause of this Resolution or application thereof to any person or entity or circumstance is held to be unconstitutional or otherwise invalid by any court of competent jurisdiction, such invalidity shall not affect other sections, provisions, clauses or applications hereof which can be implemented without the invalid provision(s), clause(s) or application(s) hereof, and to this end the provisions and clauses of this Resolution are declared to be severable.

5. Effective Date. This Resolution shall become effective immediately upon adoption by the City Council.

ADOPTED AND APPROVED BY THE TOQUERVILLE CITY COUNCIL this __1__ day of May 2024 based upon the following vote:

Councilmember:

Gary Chaves	AYE ✓	NAY ____	ABSTAIN ___	ABSENT____
John 'Chuck' Williams	AYE ✓	NAY ____	ABSTAIN ___	ABSENT____
Joey Campbell	AYE ✓	NAY ____	ABSTAIN ___	ABSENT____
Todd Sands	AYE ✓	NAY ____	ABSTAIN ___	ABSENT____
Wayne Olsen	AYE ✓	NAY ____	ABSTAIN ___	ABSENT____

TOQUERVILLE CITY
A Utah Municipal
Corporation

Justin Sip
Mayor

5/2/24
Date

ATTEST:

Daisy Fuentes
City Recorder

Toquerville City, Washington County
Corporate SEAL
* UTAH *