

SECTION 00911 - ADDENDUM 3

PART 1 - GENERAL

1.1 PROJECT INFORMATION

- A. Project Name: South Main Corridor Improvement Project
- B. Engineer: SK Design Group, Inc.
- C. Engineer's Project Number: 16-108.
- D. Date of Addendum: August 6, 2021

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum at same time and location.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents:
 - 1. ELECTRONIC MEDIA TRANSFER AGREEMENT
 - 2. Section 00100 INVITATION TO BID
 - 3. UNIT PRICE BID FORM
 - 4. Section 01100 SUMMARY
 - 5. Sheet C00.52 QUANTITIES
 - 6. Sheet C09.01 SOUTH AVE WATER PLAN AND PROFILE - 1
 - 7. Sheet C09.18 SOUTH MAIN WATER PLAN AND PROFILE - 8
 - 8. Sheet C10.06 DETAILS - 6
 - 9. Sheet SE001_ROADWAY LIGHTING GENERAL NOTES
 - 10. Sheet SE301_ROADWAY LIGHTING DETAILS

1.4 GENERAL REVISIONS

- A. Project CAD files are available to contractors upon receipt by annlint@skdg.com of a completed, signed Electronic Media Transfer Agreement, which is attached.
- B. Questions and answers:

1. Water and Storm Sequence of Work
 - a. Question: What order should we construct the storm and water? Sometimes water is above the storm and sometimes below.
 - b. Answer: Water service shall be maintained to all existing facilities. The exact sequence of work is up to the contractor. Any relocation of existing water line or service line to maintain service shall be subsidiary to other items of work.
2. Everygy Work
 - a. Question: Is Everygy going to have an inspector on project site?
 - b. Answer: Contractor is responsible for constructing all work per Everygy's requirements. SK Design/Everygy will review the installation of the conduits and bases. Contractor shall coordinate the installation schedule with the engineer's field representative a minimum of one day prior to starting the work. Engineer's representative's review is only for general conformance. The ultimate test is when the cable is pulled. If the cable cannot be pulled, the contractor will be responsible for fixing the conduit or base issue.
3. Street Lights and Signals
 - a. Question: Are all street lights and signals to meet Buy America requirements?
 - b. Answer: Sheets SE001 and SE301 Revised to include aluminum poles and note regarding "Buy America."
4. Boring Logs
 - a. Question: Are there boring logs for the project?
 - b. Answer: Yes, Refer to boring logs in the two geotechnical reports included in the project specifications appendix.
5. Temporary Steel Plates
 - a. Question: Is contractor responsible for providing temporary steel plates for private utility work?
 - b. Answer: No. Contractor is only responsible for steel plates for the work under this contract. Utility companies will provide their own plates as required.
6. Flowable Fill Limits
 - a. Question: What are the limits for flowable fill.
 - b. Answer: Refer to addendum 2 item 1.4.B.20. To further clarify this question, pipes under parking lots shall also be backfilled with flowable fill.
7. Marking Tape
 - a. Question: Marking tape is shown in middle of flowable fill. Confirm if that's how it should be constructed.
 - b. Answer: See revised detail 9 on sheet C10.06.
8. Pipe Quantities:
 - a. Question: Please confirm pipe quantities for 12 HDPE, slotted drain lines, 15" RCP, 15 CMP, 18" RCP and 18 CMP.
 - b. Answer: See revised unit price bid form.

1.5 SPECIFICATIONS

A. Section 00100 INVITATION TO BID

1. Paragraph 1.2 Documents, subparagraph B: Delete "John Chamberlin" and replace with "Sassan Mahobian"
2. Paragraph 1.4 General Description of the Work: Delete "285th Street" and replace with "Highway V"

B. UNIT PRICE BID FORM: Delete and replace with attached UNIT PRICE BID FORM.

- C. Section 01100 SUMMARY: Paragraph 1.2 Project Information, sub-paragraph B item 1: Delete “C.E. Goodall, PE, Public Works Director” and replace with “Greg McDanel, ICMA, CM, City Manager”

1.6 DRAWINGS

- A. Delete the following drawing sheets in their entirety and replace with attached revised and clouded drawings, with the revision date of 08/06/2021.
 - 1. C00.52 Revised base bid quantities
 - 2. C09.01 Revised to clarify quantity for 4" PVC C900.
 - 3. C09.18 Added call-out notes for new water line connection to existing water line.
 - 4. C10.06 Revised location of underground marking tape of detail 9.
- B. SE001 Roadway Lighting General Notes
 - 1. Revised part numbers for RA1 and RA2 pole assembly to be aluminum poles.
 - 2. Clarified part number for mid-pole arm.
 - 3. Added equivalent manufacturer to type SH1 helix foundation.
 - 4. Added note regarding Buy America requirement.
- C. SE301 Roadway Lighting Details
 - 1. Revised description of pole to read “aluminum”.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION 00911

ELECTRONIC MEDIA TRANSFER AGREEMENT

This Electronic Media Transfer Agreement (this "Agreement") is entered into by [company name _____] (the "Licensee") and **SK Design Group, Inc.** (the "Licensor"). The Licensee has requested that the Licensor provide certain design, drawings and data in an electronic media format ("Electronic Media") for the **South Main Corridor Improvement** project (the "Project").

Electronic Media being transmitted or transferred may contain Civil 3D data, Pipe networks, road profiles, existing and proposed surfaces, surfaces for options studied, computer aided drafting documents, digital modeling, audio, video and/or other graphic images, drawings or designs created or stored for the Project in digital form. In consideration of the Licensor furnishing such Electronic Media to Licensee, Licensee agrees as follows:

1. Due to the potential that the information set forth in the Electronic Media can be modified by the Licensee or others, unintentionally or otherwise, the Licensee shall remove all references to the Licensor's corporate name, professional seal, and/or involvement from each electronic display, if such exists.
2. The data in the Electronic Media represents Project information at a particular point in time and Licensor shall not be responsible to advise Licensee of any changes which may thereafter be made to the Project data or other information transmitted in electronic format. Licensor makes no representation regarding the accuracy or completeness of the Electronic Media transferred or transmitted. In the event that a conflict arises between the signed contract documents for the Project which are prepared by Licensor and the Electronic Media, the signed contract documents shall govern. Licensee is responsible for determining if any conflict exists. Licensor's electronic files are constantly being updated and are not always posted on Licensor's FTP site. Licensee is responsible for requesting updates.
3. Licensor grants to Licensee a limited license to reproduce such information in connection with work on the Project, and for no other purpose. Granting a limited license for use of the Electronic Media shall not be constructed as forming a contractual relationship between the Licensee or any of its agents or assigns. This limited license to use and reproduce information is granted only to the Licensee named in this Agreement and expressly prohibits copying or transmission of the Electronic Media for use by any other party.
4. The Licensor specifically disclaims all warranties, expressed or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose, with respect to the Electronic Media and the information contained therein. The Licensor shall have no liability with respect to any claim, demand, loss, or damage directly or indirectly arising out of the use of the Electronic Media. Further, Licensor shall have no liability for consequential damages, including without limitation damages arising from the actual or alleged negligence of the Licensor.
5. The parties understand that the data contained in the Electronic Media may be altered intentionally or otherwise due to occurrences beyond the reasonable control or knowledge of the Licensor. These may include errors in transcription, machine error, environmental factors, as well as operator error. Further, the data contained on the Electronic Media may be inaccurate or otherwise flawed at the time of transmittal to the Licensee. Licensee, as part of the consideration for accepting the delivery of the Electronic Media and its use, agrees to indemnify, defend, and hold harmless the Licensor, its consultants, and their respective officers, directors, employees, members, and owners from any claims, liabilities, loss and costs, including but not limited to, attorneys' fees and cost of defense arising out of the use of the Electronic Media by Licensee, or others, if released to such parties by Licensee.
6. It shall be the Licensee's responsibility to verify that the information contained within the Electronic Media conforms to all contract requirements for the Project. Should there be any discrepancy, Licensee agrees to notify the Licensor immediately. If notified within, but not later than, fourteen (14) days of the delivery of the Electronic Media, Licensor may elect to revise the Project Electronic Media, and, if so, will provide a revised copy of the Electronic Media, which corrects the discrepancy, if requested by Licensee. This shall be the sole remedy available for any defect.

Licensor: SK Design Group, Inc.

Licensee: [company name _____]

By: 

By: _____

Name: Sassan Mahobian, PE, LEED AP

Name: _____

Title: President

Title: _____

Date: 2021-08-06

Date: _____

SECTION 00100 - INVITATION TO BID

PART 1 - GENERAL

1.1 SUMMARY

- A. Sealed Bids will be received by the City of Maryville, Missouri at the office of the City Clerk, City Hall, 415 N. Market Street, Maryville, Missouri 64468 until **2:00 pm, August 10, 2021** and there at said office publicly opened and read aloud for the construction of South Main Corridor Improvement Project in the City of Maryville, Missouri.
- B. Bidders are requested to attend the Pre-Bid Conference at **1:00 pm, July 29, 2021.**
- C. The project will be awarded to the lowest, responsive, responsible bidder.

1.2 DOCUMENTS

- A. A complete set of Bidding Documents will be available for examination at the following locations:
 - 1. City of Maryville, City Hall, 415 N. Market Street, Maryville, MO 64468
 - 2. Drexel Technologies:
 - a. Phone 913-371-4430
 - b. On line <http://www.drexeltech.com> plan room.
- B. Copies of plans and specifications can be seen or purchased for a Non-Refundable fee on-line at www.drexeltech.com in their eDistribution plan room, additional assistance is available at distribution@drexeltech.com. Information regarding this project can be found in the "Public Jobs" link on the website. Contractors desiring the Contract Documents for use in preparing bids may also obtain a set of such documents from Drexel Technologies; 10840 West 86th Street, Lenexa, KS 66214, telephone number is 913-371-4430. Bidding documents will be shipped only if the requesting party assumes responsibility for all related charges. Corporate, certified, or cashier's checks shall be made payable to Drexel Technologies, Inc. Any questions regarding the project plans, specification, or bid documents should be directed to SK Design Group, Inc., attention Sassan Mahobian, Project Manager.

1.3 BID SUBMITTAL AND OPENING

- A. Bids must be submitted for the work on the Bid Form found in the Bidding Documents. Bid Security will be required in accordance with the Instructions to bidders. Bidder qualifications may be required in accordance with Instructions to bidders. Bids shall be submitted in a sealed envelope marked "Bid for South Main Corridor Improvement Project, Maryville, Missouri". Bids received after the designated closing time will be returned unopened.
- B. The Bidding Documents include this Advertisement for Bid, Terms and Conditions, and the Technical Specifications.

- C. To be considered, Bidders must supply information with their bid described in the Instructions to Bidders. Bidders will be evaluated for selection based upon information supplied by the bidder as detailed in the Instructions to bidders.
- D. CONTRACTOR SHALL READ AND BE FULLY FAMILIAR WITH ALL CONTRACT DOCUMENTS BEFORE SUBMITTING A BID. IN SUBMITTING A BID, THE BIDDER WARRANTS THAT HE/SHE HAS READ THE CONTRACT DOCUMENTS AND IS FULLY FAMILIAR THEREWITH AND THAT HE/SHE HAS VISITED THE SITE OF WORK TO FULLY INFORM HIMSELF/HERSELF AS TO ALL EXISTING CONDITIONS AND LIMITATIONS AND SHALL INCLUDE IN HIS/HER BID A SUM TO COVER THE COST OF ALL ITEMS OF THE WORK.
- E. The City of Maryville reserves the right to accept or reject any and all bids and to waive any technicalities or irregularities therein. Bids may be modified or withdrawn by written request of the bidder received in the office of the City Clerk, prior to the time and date for bid opening provided, however that no bidder may withdraw its bid for a period of thirty (30) days from the date set for the opening thereof. All bidders agree that rejection of the bid shall create no liability on the part of the City because of such rejection and the filing of any bid in response to this invitation shall constitute an agreement of the bidder to these conditions.
- F. All bidders shall verify they have considered all written addenda by noting the date of the addenda on the Bid Form. Neither the City nor Engineer shall be responsible for oral instructions. Any written addenda issued during the time of bidding shall be covered and included by the Bidder in the bid. Bidder will not make clarifications or exceptions on the Bid Form. Bids are for the total bid package. No partial bids will be accepted.

1.4 GENERAL DESCRIPTION OF THE WORK

- A. The Work consists of reconstruction of South Main from South Avenue to Highway V. The selected Bidder will construct the project, complete related services described in these documents and place the project into service in accordance with the plans and specifications developed by SK Design Group, Inc.: 4600 College Blvd., Suite 100 / Overland Park, KS 66211 / 913-451-1818

Sassan Mahobian, Principal in Charge	sassan@skdg.com	913-238-3178
Stephen Brefo, Project Manager, Submittals	sbrefo@skdg.com	816-510-1126
Matt Matthews, Field Representative	mmatthews@skdg.com	913-378-7079

1.5 GENERAL

- A. Special Needs: If you have special needs addressed by the Americans with Disabilities Act, please notify the Maryville City Clerk, at (660) 562-8001 or through Missouri Relay System, TDD 7-1-1, at least five (5) working days prior to the bid opening you plan to attend.
- B. The wage rates applicable to this project have been predetermined as required by the law and are set forth in the bid proposal. When Federal wage rates are applicable and included, this contract is subject to the "Work Hours Act of 1962", (P.L. 87-581; 76 Stat. 357) and implementing regulations.

- C. On all federal-aid projects, the contractor's attention is directed to Title 23, CFR, titled Buy America Requirements. Where steel or iron products are to be permanently incorporated into the contract work, steel and iron material shall be manufactured in the USA except for "minor usage" as described in the Missouri Standard Specifications for Highway Construction-2020., Section 106.9.
- D. The City of Maryville hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.
- E. Missouri Law, 292.675 RSMO, requires the awarded Contractor and its subcontractor(s) to provide a ten-hour occupational safety and health administration (OSHA) construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations as a qualified substitute) for their on-site employees (laborers, workmen, drivers, equipment operator, and craftsmen) who have not previously completed such a program and are directly engaged in actual construction of the improvement (or working at a nearby or adjacent facility used for construction of the improvement). The awarded Contractor and its subcontractor(s) shall require all such employees to complete this ten-hour program, pursuant to 292.675 RSMO, unless they hold documentation on their prior completion of said program. Penalties for non-compliance include Contractor forfeiture to the Missouri Highways and Transportation Commission in the amount of \$2,500, plus \$100 per Contractor and subcontractor employee for each calendar day such employee is employed beyond the elapsed time period for required program completion under 292.675 RSMO.
- F. The project will be awarded to the lowest, responsive, responsible bidder.

END OF SECTION

ITEMIZED BID: The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:
Note: Refer to Section 01270 for measurement and payment of unit price items. Section 01270 supersedes any other references to measurement and payment in the contract documents.

South Main Corridor Improvement Project
Project No. STP-4300 (112)

Line	Item Description:	Unit	Quantity	Unit Price	Total
1	Mobilization	Lump Sum	1.00		
2	Temporary Traffic Control	Lump Sum	1.00		
3	Temporary Erosion Control	Lump Sum	1.00		
4	Clearing and grubbing	Lump Sum	1.00		
5	General Demolition	Lump Sum	1.00		
6	Remove existing tree	Each	4.00		
7	Remove existing asphaltic pavement	SY	8,542.00		
8	Remove existing concrete pavement	SY	8,766.00		
9	Remove existing sidewalk	SY	241.00		
10	Remove existing gravel	SY	3,347.00		
11	Remove existing curb and gutter	LF	8,053.00		
12	Remove existing wall	LF	154.00		
13	Remove existing water line	LF	6,017.00		
14	Abandon existing water line in place and fill with slurry	LF	1,484.00		
15	Remove existing storm line	LF	3,592.00		
16	Abandon existing storm line in place and fill with slurry	LF	1,607.00		
17	Earthwork	Lump sum	1.00		
18.1	15" Dia. RCP Class III Pipe	LF	479.00		
18.2	18" Dia. RCP Class III Pipe	LF	150.00		
18.3	24" Dia. RCP Class III Pipe	LF	195.00		
18.4	30" Dia. RCP Class III Pipe	LF	43.00		
18.5	36" Dia. RCP Class III Pipe	LF	394.00		
18.6	48" Dia. RCP Class III Pipe	LF	54.00		
18.7	54" Dia. RCP Class III Pipe	LF	323.00		
19	54" RCP End Section	Each	1.00		
20	7'x5' RCB Pipe	LF	61.00		
21	57"x38" ARCH Polymer-Coated Pipe	LF	28.00		
22.1	15" Dia. Polymer Coated CMP Pipe	LF	1,098.00		
22.2	18" Dia. Polymer Coated CMP Pipe	LF	871.00		
22.3	24" Dia. Polymer Coated CMP Pipe	LF	540.00		
22.4	30" Dia. Polymer Coated CMP Pipe	LF	503.00		
22.5	36" Dia. Polymer Coated CMP Pipe	LF	928.00		
22.6	42" Dia. Polymer Coated CMP Pipe	LF	466.00		
22.7	48" Dia. Polymer Coated CMP Pipe	LF	713.00		

22.8	60" Dia. Polymer Coated CMP Pipe	LF	130.00		
23	60" CMP End Section	Each	1.00		
24.1	12" Dia. HDPE Pipe	LF	589.00		
24.2	15" Dia. HDPE Pipe	LF	41.00		
24.3	18" Dia. HDPE Pipe	LF	16.00		
25	6" Dia. PVC-SDR-26 Pipe	LF	31.00		
26	12" Slotted Drain - ADS Duraslot 1260-DS	LF	1,120.00		
27	12" Trench Drain - ACO S300K Power Drain	LF	30.00		
28.1	5x3 Curb Inlet	Each	26.00		
28.2	5x4 Curb Inlet	Each	6.00		
28.3	5x5 Curb Inlet	Each	3.00		
28.4	5x6 Curb Inlet	Each	2.00		
28.5	6x5 Curb Inlet	Each	1.00		
28.6	6x6 Curb Inlet	Each	1.00		
28.7	8x4 Curb Inlet	Each	6.00		
28.8	8x5 Curb Inlet	Each	5.00		
28.9	8x6 Curb Inlet	Each	6.00		
28.10	8x7 Curb Inlet	Each	1.00		
28.11	11x4 Curb Inlet	Each	1.00		
29.1	4x4 Grate Inlet	Each	3.00		
29.2	5x5 Grate Inlet	Each	1.00		
29.3	6x5 Grate Inlet	Each	1.00		
29.4	8x6 Grate Inlet	Each	1.00		
30.1	4x4 Area Inlet	Each	2.00		
30.2	8x7 Area Inlet	Each	1.00		
31.1	4x4 Junction Box	Each	2.00		
31.2	5x5 Junction Box	Each	4.00		
31.3	6x5 Junction Box	Each	1.00		
31.4	9x9 Junction Box	Each	1.00		
32	2x3 Nyloplast Curb Inlet	Each	1.00		
33	24" Dia. Nyloplast Inlet	Each	4.00		
34	APWA 24" light blanket rock	CY	47.00		
35.1	12" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	5,414.00		
35.2	10" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	113.00		
35.3	8" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	686.00		
35.4	6" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	708.00		
35.5	4" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	239.00		

36.1	5/8" Water Service Line (Type K copper)	LF	28.00		
36.2	3/4" Water Service Line (Type K copper)	LF	1,196.00		
36.3	1" Water Service Line (Type K copper)	LF	91.00		
36.4	1.5" Water Service Line (Type K copper)	LF	15.00		
36.5	2" Water Service Line (Type K copper)	LF	281.00		
37	2" Cold Milling	SY	18,417.00		
38.1	4" APWA RC Type 1-01 Asphaltic Concrete Base Course with Asphalt Binder PG 64-22 (2 lifts)	TONS	4,819.00		
38.2	7" APWA RC Type 1-01 Asphaltic Concrete Base Course with Asphalt Binder PG 64-22 (3 lifts)	TONS	1,457.00		
39	Additional asphaltic concrete base course beyond plan quantities as directed by the engineer	TONS	627.00		
40	2" APWA Type 5-01 Asphaltic Concrete Surface Course with Asphalt Binder PG 64-22	TONS	3,437.00		
41	Additional asphaltic concrete surface course beyond plan quantities as directed by the engineer	TONS	344.00		
42	Temporary 6" thick APWA RC Type 1-01 asphaltic concrete base course for temporary traffic access and control	TONS	523.00		
43.1	6" thick concrete for new pavement base	SY	2,682.00		
43.2	8" thick concrete for new pavement base	SY	728.00		
44	4" thick concrete sidewalk	SY	4,085.00		
45	APWA untreated compacted aggregate	TONS	9,387.00		
46	Concrete curb and gutter	LF	17,227.00		
47	Install ADA Ramp	SY	1,174.00		
48	Adjust top of existing manhole	Each	10.00		
49	Reinforced Concrete Retaining Wall (any height)	SF of face	3,130.00		
50	Retaining wall railing	LF	354.00		
51	Permanent signage	Lump sum	1.00		
52	Traffic signalization at South Main Street / South Avenue	Lump sum	1.00		
53	Traffic signalization at South Main Street / Walmart Drive	Lump sum	1.00		
54	Traffic signalization at South Main Street / Highway "V" / East South Drive	Lump sum	1.00		
55	Traffic signal interconnect between South Avenue and Highway V	Lump sum	1.00		
56	Wayfinding monument	Each	3.00		
57	Street Lighting	Lump sum	1.00		
58	Underground conduits on the primary and secondary side along with equipment bases. Coordinate with Evergy.	Lump sum	1.00		
59	New Tree Planting	Lump sum	1.00		
60	Hydro-seeding	Acres	11.00		
61	Sodding	SY	8,425.00		
62	Pavement Markings	Lump sum	1.00		
63	6" Residential Concrete Driveway	SY	240.00		
64	8" Concrete Commercial Entrance	SY	6,727.00		
65	Relocate Pylon sign	Each	3.00		

66	Removal of unsuitable subgrade and replacing with APWA untreated compacted aggregate as directed by the engineer	TONS	1,000.00		
67	Additional removal of existing pavement beyond plan quantities as directed by the engineer	SY	300.00		
68	Additional 6" thick concrete beyond plan quantities as directed by the engineer	SY	200.00		
69	New commercial monument sign	Each	2.00		
TOTAL PRICE					

NOTICE TO BIDDER:

Bidder must complete the submitted section in its entirety

SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Phased construction.
4. Access to site.
5. Coordination with occupants.
6. Work restrictions.

B. Related Requirements:

1. Section 01500 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.2 PROJECT INFORMATION

A. Project Identification: South Main Corridor Improvement Project, Maryville, Missouri

1. Project Location: South Main Street and South Avenue, Maryville, Missouri

B. Owner: City of Maryville, Missouri

1. Owner's Representative: Greg McDanel, ICMA, CM, City Manager

C. Engineer: SK Design Group, Inc., Attention: Sassan Mahobian, PE, LEED AP, Principal in Charge.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Reconstruction of approximately 0.8-mile section of South Main Street Corridor from South Avenue to State Highway V. The work consists of storm sewer system improvement, full depth street widening, mill and overlay, traffic signals, lighting, sidewalk, multi-use trail, landscaping, and improvement to existing driveway accesses.
2. All shop drawings for storm sewer shall be submitted within three (3) weeks of Notice to Proceed.

B. Type of Contract.

1. Project will be constructed under a single prime contract.

- A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.
- B. General: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.
- C. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1.5 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work to normal business working hours Monday through Friday, unless otherwise indicated.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
 - 1. Notify Owner not less than three (3) days in advance of proposed utility interruptions.
 - 2. Obtain Owner's written permission before proceeding with utility interruptions.
- D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to the public with Owner.
 - 1. Notify Owner not less than three (3) days in advance of proposed disruptive operations.
 - 2. Obtain Owner's written permission before proceeding with disruptive operations.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100

U:\2016\16-108\2021-06-21 Bid Set Phase 1\C00.51-C00.52- General Notes and Quantities.dwg Plotted: Aug 06, 2021 - 2:21pm by snoder

SUMMARY OF QUANTITIES

BASE BID

Line	Item Description:	Unit	Quantity
1	Mobilization	Lump Sum	1.0
2	Temporary Traffic Control	Lump Sum	1.0
3	Temporary Erosion Control	Lump Sum	1.0
4	Clearing and grubbing	Lump Sum	1.0
5	General Demolition	Lump Sum	1.0
6	Remove existing tree	Each	4.0
7	Remove existing asphaltic pavement	SY	8542.0
8	Remove existing concrete pavement	SY	8766.0
9	Remove existing sidewalk	SY	241.0
10	Remove existing gravel	SY	3347.0
11	Remove existing curb and gutter	LF	8053.0
12	Remove existing wall	LF	154.0
13	Remove existing water line	LF	6017.0
14	Abandon existing water line in place and fill with slurry	LF	1484.0
15	Remove existing storm line	LF	3592.0
16	Abandon existing storm line in place and fill with slurry	LF	1607.0
17	Earthwork	Lump sum	1.0
18.1	15" Dia. RCP Class III Pipe	LF	479.0
18.2	18" Dia. RCP Class III Pipe	LF	150.0
18.3	24" Dia. RCP Class III Pipe	LF	195.0
18.4	30" Dia. RCP Class III Pipe	LF	43.0
18.5	36" Dia. RCP Class III Pipe	LF	394.0
18.6	48" Dia. RCP Class III Pipe	LF	54.0
18.7	54" Dia. RCP Class III Pipe	LF	323.0
19	54" RCP End Section	Each	1.0
20	7x5' RCB Pipe	LF	61.0
21	57"x38" ARCH Polymer-Coated Pipe	LF	28.0
22.1	15" Dia. Polymer Coated CMP Pipe	LF	1098.0
22.2	18" Dia. Polymer Coated CMP Pipe	LF	871.0
22.3	24" Dia. Polymer Coated CMP Pipe	LF	546.0
22.4	30" Dia. Polymer Coated CMP Pipe	LF	503.0
22.5	36" Dia. Polymer Coated CMP Pipe	LF	928.0
22.6	42" Dia. Polymer Coated CMP Pipe	LF	466.0
22.7	48" Dia. Polymer Coated CMP Pipe	LF	713.0
22.8	60" Dia. Polymer Coated CMP Pipe	LF	130.0
23	60" CMP End Section	Each	1.0
24.1	12" Dia. HDPE Pipe	LF	589.0
24.2	15" Dia. HDPE Pipe	LF	41.0
24.3	18" Dia. HDPE Pipe	LF	16.0
25	6" Dia. PVC SDR 26 Pipe	LF	31.0
26	12" Slotted Drain - ADS Duraslot 1260-DS	LF	1120.0
27	12" French Drain - ACO 3600K Power Drain	LF	30.0
28.1	5x3 Curb Inlet	Each	26.0
28.2	5x4 Curb Inlet	Each	6.0
28.3	5x5 Curb Inlet	Each	3.0
28.4	5x6 Curb Inlet	Each	2.0
28.5	6x5 Curb Inlet	Each	1.0
28.6	6x6 Curb Inlet	Each	1.0
28.7	8x4 Curb Inlet	Each	6.0
28.8	8x5 Curb Inlet	Each	5.0
28.9	8x6 Curb Inlet	Each	6.0
28.10	8x7 Curb Inlet	Each	1.0
28.11	11x4 Curb Inlet	Each	1.0
29.1	4x4 Grate Inlet	Each	3.0
29.2	5x5 Grate Inlet	Each	1.0
29.3	6x5 Grate Inlet	Each	1.0
29.4	8x6 Grate Inlet	Each	1.0

30.1	4x4 Area Inlet	Each	2.0
30.2	8x7 Area Inlet	Each	1.0
31.1	4x4 Junction Box	Each	2.0
31.2	5x5 Junction Box	Each	4.0
31.3	6x5 Junction Box	Each	1.0
31.4	9x9 Junction Box	Each	1.0
32	2x3 Nyloplast Curb Inlet	Each	1.0
33	24" Dia. Nyloplast Inlet	Each	4.0
34	APWA 24" light blanket rock	CY	47.0
35.1	12" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	5414.0
35.2	10" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	113.0
35.3	8" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	686.0
35.4	6" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	708.0
35.5	4" Dia. PVC C900 Waterline including fittings, gate valves, tees, sleeves, reducers, etc.	LF	239.0
36.1	5/8" Water Service Line (Type K copper)	LF	28.0
36.2	3/4" Water Service Line (Type K copper)	LF	1196.0
36.3	1" Water Service Line (Type K copper)	LF	91.0
36.4	1.5" Water Service Line (Type K copper)	LF	15.0
36.5	2" Water Service Line (Type K copper)	LF	281.0
37	2" Cold Milling	SY	18417.0
38.1	4" APWA RC Type 1-01 Asphaltic Concrete Base Course with Asphalt Binder PG 64-22 (2 lifts)	TONS	4819.0
38.2	7" APWA RC Type 1-01 Asphaltic Concrete Base Course with Asphalt Binder PG 64-22 (3 lifts)	TONS	1457.0
39	Additional asphaltic concrete base course beyond plan quantities as directed by the engineer	TONS	627.0
40	2" APWA Type 5-01 Asphaltic Concrete Surface Course with Asphalt Binder PG 64-22	TONS	3437.0
41	Additional asphaltic concrete surface course beyond plan quantities as directed by the engineer	TONS	344.0
42	Temporary 6" thick APWA RC Type 1-01 asphaltic concrete base course for temporary traffic access and control	TONS	523.0
43.1	6" thick concrete for new pavement base	SY	2682.0
43.2	8" thick concrete for new pavement base	SY	728.0
44	4" thick concrete sidewalk	SY	4085.0
45	APWA untreated compacted aggregate	TONS	9387.0
46	Concrete curb and gutter	LF	17227.0
47	Install ADA Ramp	SY	1174.0
48	Adjust top of existing manhole	Each	10.0
49	Reinforced Concrete Retaining Wall (any height)	SF of face	3130.0
50	Retaining wall railing	LF	354.0
51	Permanent signage	Lump sum	1.0
52	Traffic signalization at South Main Street / South Avenue	Lump sum	1.0
53	Traffic signalization at South Main Street / Walmart Drive	Lump sum	1.0
54	Traffic signalization at South Main Street / Highway "V" / East South Drive	Lump sum	1.0
55	Traffic signal interconnect between South Avenue and Highway V	Lump sum	1.0
56	Wayfinding monument	Each	3.0
57	Street Lighting	Lump sum	1.0
58	Underground conduits on the primary and secondary side along with equipment bases. Coordinate with Ewergy.	Lump sum	1.0
59	New Tree Planting	Lump sum	1.0
60	Hydro-seeding	Acres	11.0
61	Sodding	SY	8425.0
62	Pavement Markings	Lump sum	1.0
63	6" Residential Concrete Driveway	SY	240.0
64	8" Concrete Commercial Entrance	SY	6727.0

65	Relocate Pylon sign	Each	3.0
66	Removal of unsuitable subgrade and replacing with APWA untreated compacted aggregate as directed by the engineer	TONS	1000.0
67	Additional removal of existing pavement beyond plan quantities as directed by the engineer	SY	300.0
68	Additional 6" thick concrete beyond plan quantities as directed by the engineer	SY	200.0
69	New commercial monument sign	Each	2.0



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Tel: (660) 582-8633

REV. NO.	DATE	DESCRIPTION
1	08/06/21	ADDENDUM # 3



SK Project No. 16-108
Design: JS
Checked: SM

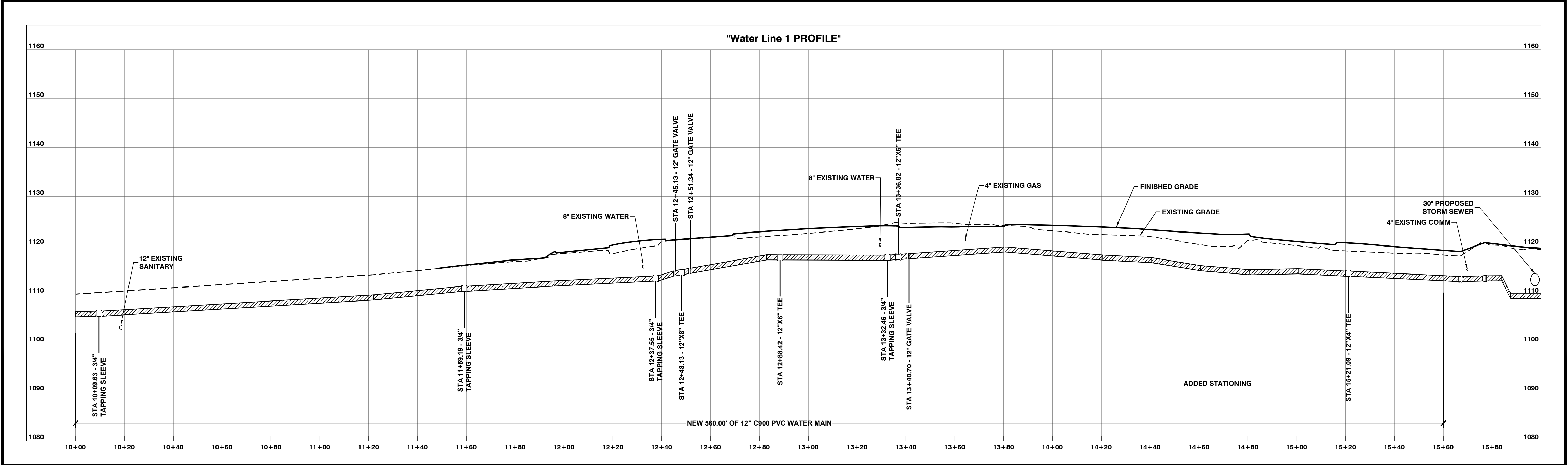
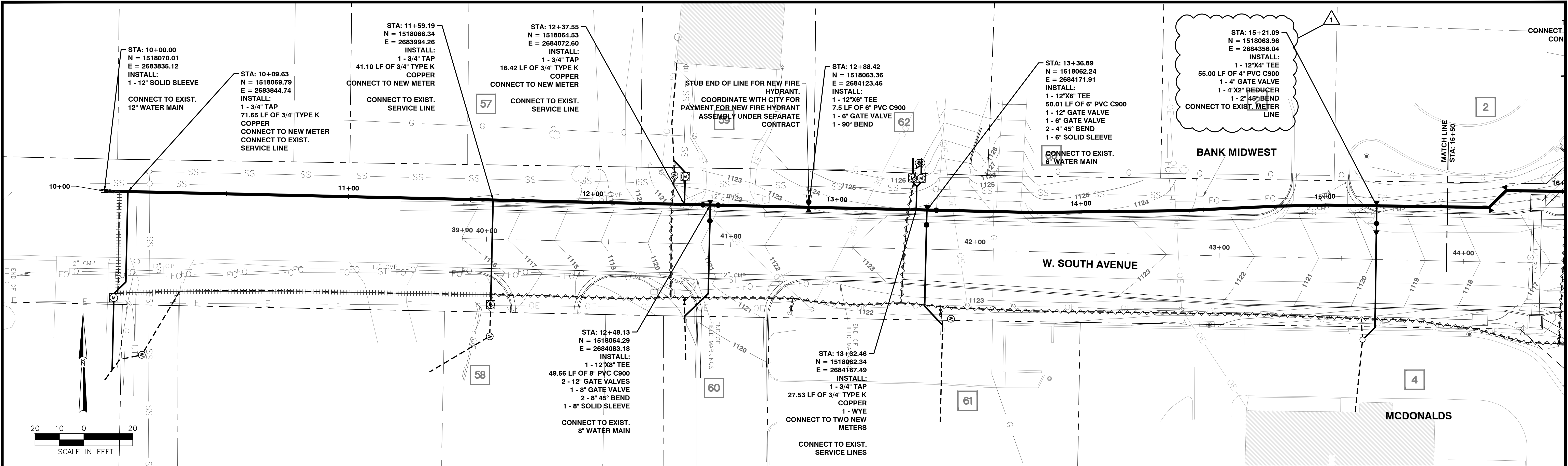
South Main Corridor Improvement Project (Phase 1)
STP-4300 (112)
City of Maryville, Missouri

Issued for: Construction

Date: 2021-06-21

QUANTITIES

C00.52



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REV. NO.	DATE	DESCRIPTION
1	2021-08-06	ADDENDUM # 3

SK Project No. 16-108
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South Main Corridor Improvement Project (Phase 1)
STP-4300 (112)
City of Maryville, Missouri

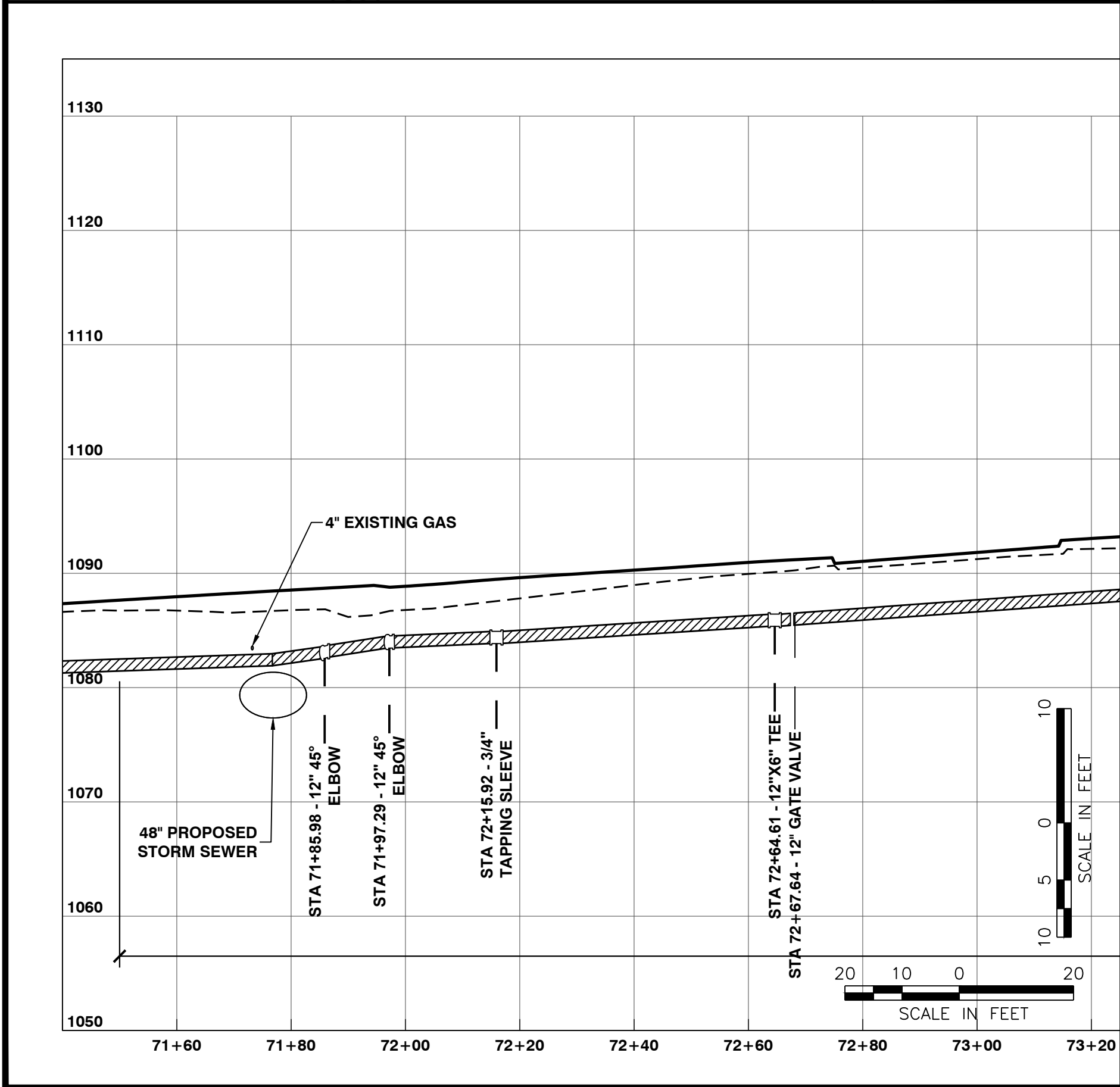
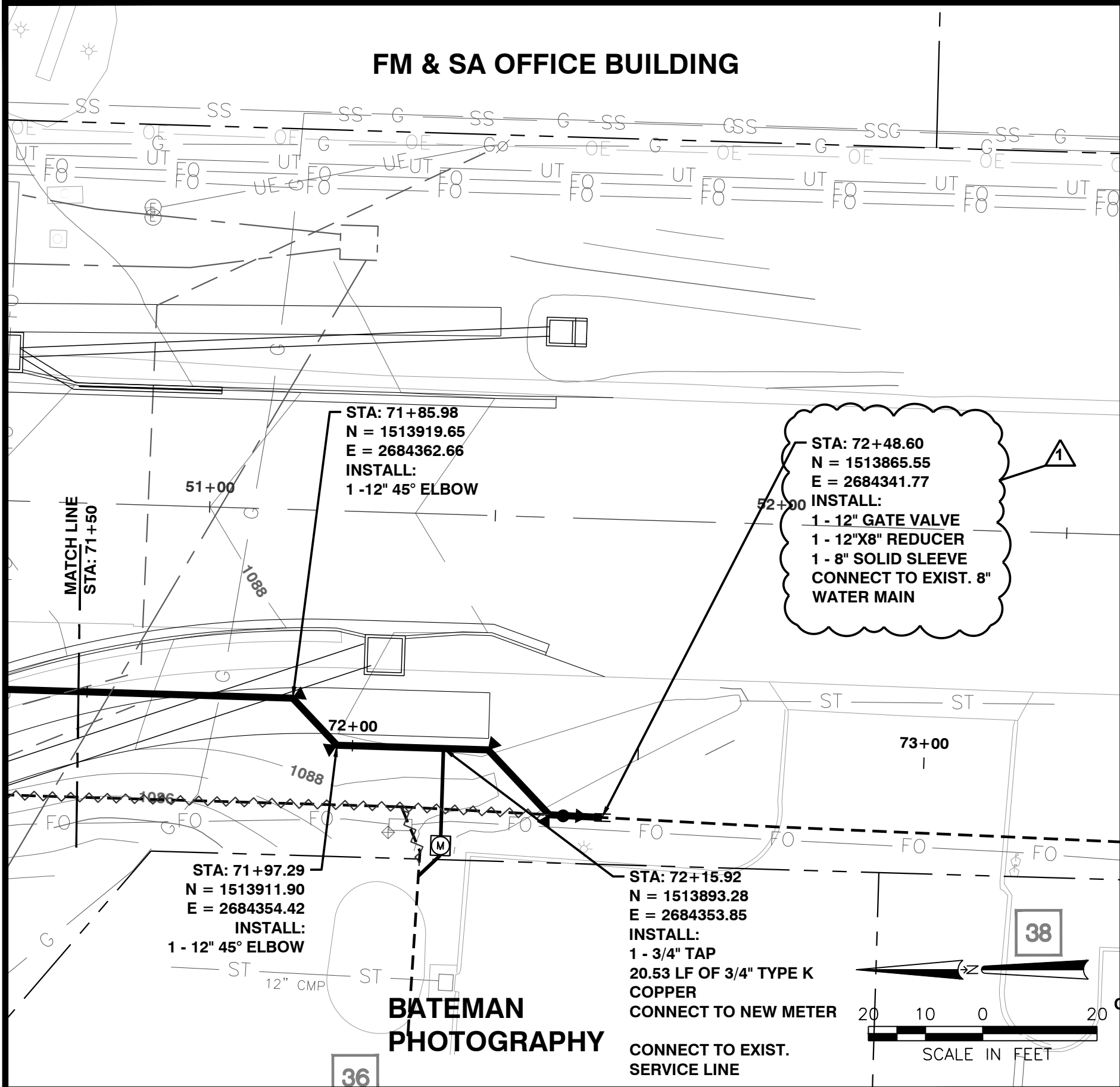
Issued for: Construction

SOUTH AVE WATER PLAN AND PROFILE-1

Date: 2021-06-21

C09.01

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SK Project No. 16-108
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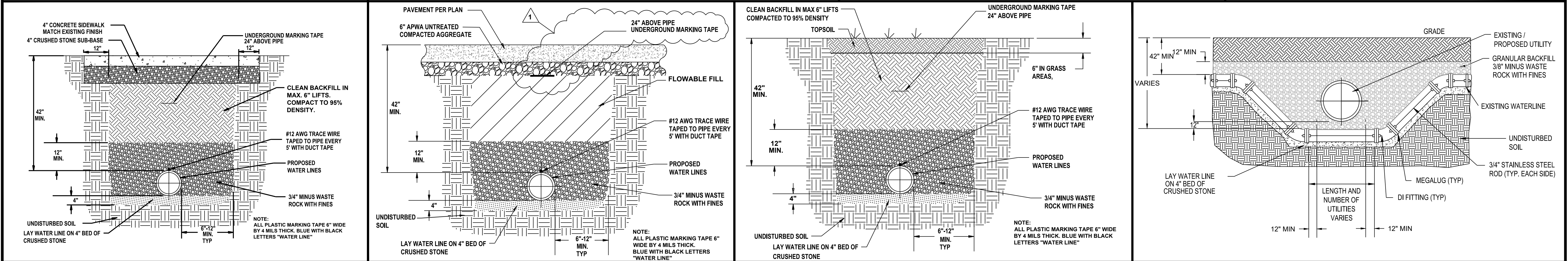
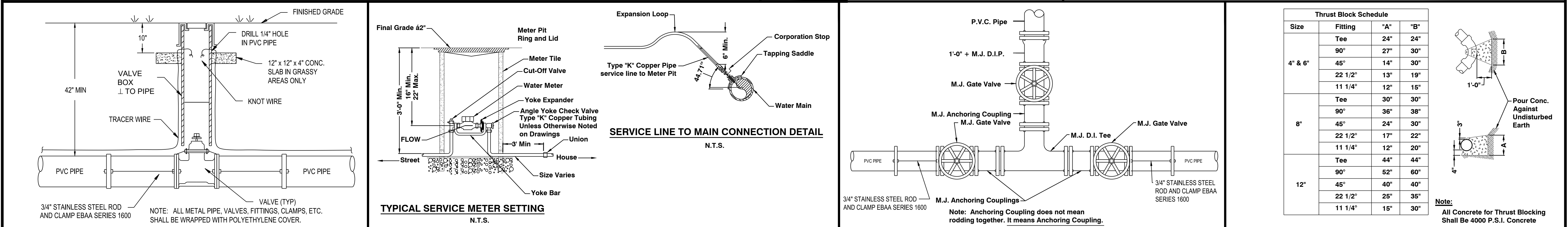
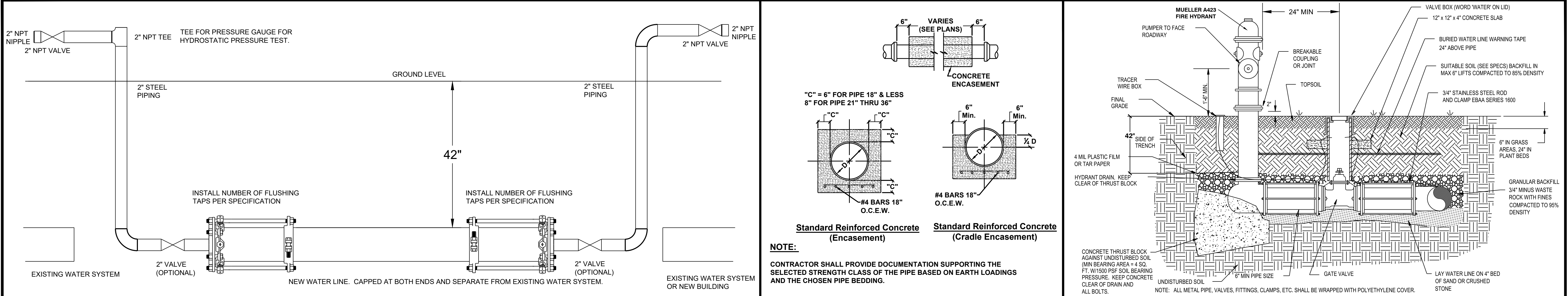
South Main Corridor Improvement Project (Phase 1)
STP-4300 (112)
City of Maryville, Missouri

Issued for: Construction

Date: 2021-06-21

SOUTH MAIN WATER PLAN AND PROFILE-8

C09.18



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REV. NO.	DATE	DESCRIPTION
1	2021-08-06	ADDENDUM # 3

SK Project No. 16-108
Design: JS
Checked: SM

South Main Corridor Improvement Project (Phase 1)
STP-4300 (112)
City of Maryville, Missouri

Issued for: Construction

DETAILS-6

Date: 2021-06-21

C10.06

G:\My Drive\LightWorks Server\Projects\1903 Maryville South Main Street\02_E Drawings\03 CAD\SEC001 ROADWAY LIGHTING GENERAL NOTES.dwg Plotted: Aug. 06, 2021 -- 10:59am by aliva

EQUIPMENT LIST

SYMBOL	MANUFACTURER	MODEL #	LAMP	COLOR TEMP	WATTS	VOLTAGE	FINISH	DESCRIPTION	NOTES
CONT2	MYERS EQUAL: PACIFIC UTILITY PRODUCTS	#MH4PD-KCMO-33-120/240VAC, 1PH, 3W, 100A (2CKT CONTROLLER)	N/A	N/A		120/240V	NATURAL	SERVICE EQUIPMENT ENCLOSURE, 120/240VAC, 1PH, 3W, 100A WITH A 10,000A SCCR RATING, 4-JAW METER SOCKET WITH 5TH CLEIP, SURGE ARRESTER, TEST SWITCH, PE RECEPTACLE, BONDED AND INSULATED NEUTRAL, RAINPROOF TYPE NEAM 3R ENCLOSURE WITH ALUMINUM FINISH, TERMINAL BLOCK, 60A CLASS "J" FUSES, (2) 30A-WP CIRCUIT BREAKERS, 15A-1P CIRCUIT BREAKER AND (2) 30A SIEMENS ELECTRICALLY HELD CONTACTORS.	RE: DETAIL 1/SE303
CONT4	MYERS EQUAL: PACIFIC UTILITY PRODUCTS	#MH4PD-KCMO-33-120/240VAC, 1PH, 3W, 100A (4CKT CONTROLLER)	N/A	N/A		120/240V	NATURAL	SERVICE EQUIPMENT ENCLOSURE, 120/240VAC, 1PH, 3W, 100A WITH A 10,000A SCCR RATING, 4-JAW METER SOCKET WITH 5TH CLEIP, SURGE ARRESTER, TEST SWITCH, PE RECEPTACLE, BONDED AND INSULATED NEUTRAL, RAINPROOF TYPE NEAM 3R ENCLOSURE WITH ALUMINUM FINISH, TERMINAL BLOCK, 60A CLASS "J" FUSES, (4) 30A-WP CIRCUIT BREAKERS, 15A-1P CIRCUIT BREAKER AND (4) 30A SIEMENS ELECTRICALLY HELD CONTACTORS.	RE: DETAIL 2/SE303
SL1	SIGNIFY LUMEC EQUAL: AMERICAN ELECTRIC ATB2	#RFL-215W96LED4K-G2-R3M UNV DMG API PH9 RCD7 SP2 BR	LED	4000K	210W	240V	BRONZE	LED ROADWAY FIXTURE WITH DIE CAST ALUMINUM HOUSING AND TYPE 3 MEDIUM REFLECTOR. PROVIDE INTEGRAL LED, 0-10V DIMMABLE DRIVER WITH UNIVERSAL VOLTAGE. PROVIDE 20kV/20kA SPD, 7 PIN PHOTOCONTROL RECEPTACLE AND RECEPTACLE FOR SHORTING CAP. PROVIDE BRONZE FINISH AND FACTORY INSTALLED, ANSI C126.15 COMPLIANT, NEMA LABEL.	
SL1A	SIGNIFY LUMEC EQUAL: AMERICAN ELECTRIC ATB2	#RFL-215W96LED4K-G2-4 UNV DMG API PH9 RCD7 SP2 BR	LED	4000K	210W	240V	BRONZE	LED ROADWAY FIXTURE WITH DIE CAST ALUMINUM HOUSING AND TYPE 4 REFLECTOR. PROVIDE INTEGRAL LED, 0-10V DIMMABLE DRIVER WITH UNIVERSAL VOLTAGE. PROVIDE 20kV/20kA SPD, 7 PIN PHOTOCONTROL RECEPTACLE AND RECEPTACLE FOR SHORTING CAP. PROVIDE BRONZE FINISH AND FACTORY INSTALLED, ANSI C126.15 COMPLIANT, NEMA LABEL.	
SL2	SIGNIFY LUMEC EQUAL: STERNBERG	#DM650-C-140L1675NW-G1-2-240-SMA7-SP2-BR	LED	4000K	75W	240V	BRONZE	NOMINAL 27" DIAMETER BY 19" HIGH DECORATIVE ARM MOUNTED PEDESTRIAN DOWNLIGHT WITH SPUN ALUMINUM BELL SHADE. PROVIDE BRONZE FINISH, 20kV/20kA SPD AND FACTORY INSTALLED, ANSI C126.15 COMPLIANT, NEMA LABEL.	
SL3	ECOSENSE	#F080 15 HO 35 8 E3 Z H C WITH 240V RATED GROUND STAKE	LED	3500K	12W	240V	BRONZE	NOMINAL 3" DIAMETER BY 4.75" HIGH ACCENT LIGHT. PROVIDE BRONZE FINISH. PROVIDE HALF SNOOT WITH FINISH TO MATCH LUMINAIRE. PROVIDE 240V, 1PH RATED GROUND STAKE WITH STABILIZER AND BOTTOM CABLE EXIT. IP66 RATED.	RE: DETAILS 3+4/SE301
RA1	SIGNIFY LUMEC POLE ASSEMBLY EQUAL: STERNBERG	POLE: #RTA92BV-7-MPL-15-BZ HIGH ARM FOR STLT; #CL8-1A-R4-BZ MID ARM FOR REDLT; #M20H-019-F-180DEG-BZ MOUNTED AT 5FT					BRONZE	ROUND, TAPERED DECORATIVE ALUMINUM POLE WITH (2) LUMINAIRES AT 180DEG IN HIGH/LOW MOUNT CONFIGURATION. POLE SHALL BE 30FT TALL. MOUNT MID-LEVEL ARM TO ALLOW FOR LUMINAIRE MOUNTING HEIGHT OF 15FT. MOUNT HIGH ARMS SO THAT LUMINAIRE MOUNTING HEIGHT IS NO GREATER THAN 31FT. PROVIDE POLE SHAFT WITH 12 SHARP FLUTES. POLE SHALL BE DESIGNED TO WITHSTAND 90MPH WINDS WITH (2) FIXTURES WEIGHING UP TO 55LBS EACH. PROVIDE VIBRATION DAMPER PER DETAILS. PROVIDE HANDHOLE LOCATION ON SIDE OF POLE THAT IS NOT ALONG CURB. REFER TO IMPROVEMENT SCHEDULES FOR LUMINAIRE TYPES FOR THIS ASSEMBLY.	RE: DETAIL 1/SE301
RA2	SIGNIFY LUMEC POLE ASSEMBLY EQUAL: STERNBERG	POLE: #R92D-27-MPL-15-BZ HIGH ARM FOR STLT; #CL8-1A-R4-BZ					BRONZE	ROUND, TAPERED DECORATIVE ALUMINUM POLE WITH (1) LUMINAIRES AT 90DEG OVER ROADWAY. POLE SHALL BE 30FT TALL. MOUNT ARM SO THAT LUMINAIRE MOUNTING HEIGHT IS NO GREATER THAN 31FT. PROVIDE POLE SHAFT WITH 12 SHARP FLUTES. POLE SHALL BE DESIGNED TO WITHSTAND 90MPH WINDS WITH (1) FIXTURES WEIGHING UP TO 55LBS. PROVIDE VIBRATION DAMPER PER DETAILS. PROVIDE HANDHOLE LOCATION ON SIDE OF POLE THAT IS NOT ALONG CURB. REFER TO IMPROVEMENT SCHEDULES FOR LUMINAIRE TYPES FOR THIS ASSEMBLY.	RE: DETAIL 1/SE301
SH1	HELIX CHANCE EQUAL: JH BOTTS RETAINER = CHANCE, PELCO							SCREW ANCHOR, GALVANIZED STEEL STREET LIGHT STANDARD FOUNDATION WITH VARIABLE BOLT CIRCLE, 14" HELIX, 8.6"X5" SHAFT, AND INTEGRAL CABLE RETAINER. CABLE RETAINER SHALL BE COPPER CABLE ANTI-THEFT DEVICE, INTEGRAL TO HELIX FOUNDATION AND SIZED TO FIT SPECIFIED FOUNDATION PER ELECTRICAL DETAILS. COORDINATE CABLE RETAINER AND POLE BASE COVER SO THAT BASE COVER IS FLUSH ON GRADE.	
SI1	IDENTIFICATION TAGS = 2X16-ADDS	CONTACT: WILLIAM FRICK & COMPANY AT 847.918.3700						LUMINAIRE IDENTIFICATION TAGS SHALL CONSIST OF THREE LETTERS AND FOUR NUMERALS IN VERTICAL ORIENTATION WITH THE LETTERS AT THE TOP SO AS TO READ DOWNWARD. LEGEND SHALL BE 2-INCH SERIES "C" UPPER CASE BLACK CHARACTERS ON SILVER RETRO-REFLECTRIC SHEETING WITH PRESSURE SENSITIVE ADHESIVE BACKING AS PRESCRIBED FOR USE ON STANDARD HIGHWAY SIGNS IN THE FHWA MANUFAL OF UNIFORM TRAFFIC CONTROL DEVICES.	
SF1	BUSSMAN	#HEB-JW-RYC AND #HEB-JW-RLC-J (LAST POLE)						SINGLE-POLE, SET SCREW, IN-LINE BREAKAWAY FUSE HOLDERS. FOR THE (2) "HOT" BREAKAWAY CONDUCTORS, PLACE A 10 AMP KTK FUSE IN EACH BREAKAWAY FUSEHOLDER.	
SG1	BUSSMAN	#HEB-JW-RYC AND #HEB-JW-RLC-J (LAST POLE)						SINGLE-POLE, SET SCREW, IN-LINE BREAKAWAY FUSE HOLDERS. PLACE A NNB COPPER SLUG IN THE SYSTEM GROUND FUSEHOLDER.	

GENERAL NOTES:
A. MANUFACTURER TO PROVIDE PROJECT SPECIFIC SHOP DRAWINGS SHOWING EXACT MOUNTING, FINISH, LENGTH, SHAPE AND LAMPING OF EACH STREETLIGHTING ASSEMBLY.
B. STEEL OR IRON STREET LIGHTING EQUIPMENT SHALL BE CERTIFIED "BUY AMERICA".

CONSTRUCTION NOTES

- ALL WORK SHALL COMPLY WITH THE MISSOURI DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION AND MATERIALS SPECIFICATION.
- AREA AND ROADWAY CLASSIFICATIONS ARE: COMMERCIAL / COLLECTOR. PAVEMENT CLASSIFICATION IS R3 WITH A LLF OF 0.85.
- THE STREET LIGHT LAYOUT WAS BASED ON THE PHILIPS LUMEC RFL LUMINAIRE: MEDIUM CUTOFF TYPE 3 OPTICS, 210WATT PER SPECS AND LED. ALL LUMINARIES SHALL BE ADJUSTED AND LEVELED TO MATCH THE ELEVATION OF THE PAVEMENT.
- THE NEW POLES SHALL HAVE A FINISH TO MATCH THE LUMINAIRES. THEIR MOUNTING HEIGHTS SHALL BE 30FT. POLE SETBACK SHALL BE PER DETAILS. MINIMUM ADA SIDEWALK CLEARANCE MUST BE MAINTAINED.
- POLE FOUNDATIONS SHALL BE INSTALLED PER APWA SECTION 2802, STANDARD DRAWINGS UNLESS NOTED OTHERWISE ON PLANS.
- ALL DISTRIBUTION CABLE SHALL BE INSTALLED IN SCHEDULE 40, CONDUIT AND SIZED PER PLANS. CABLE USED WITHIN POLES SHALL BE 3-#10, TYPE THHN, 600VOLTS RATED, COPPER STRANDED, U.L. LISTED AND COLOR CODED ACCORDING TO THE NEC. REFER TO SCHEDULES FOR DISTRIBUTION CABLE SIZE. THE LIGHTING SYSTEM SHALL OPERATE AT 240 VOLTS (SINGLE PHASE).
- ALL WIRING AND OTHER COMPONENTS OF THE ELECTRICAL SYSTEM CONSTRUCTION SHALL MEET OR EXCEED THE LATEST REVISION OF NATIONAL ELECTRICAL CODE (NEC) AND NATIONAL ELECTRICAL SAFETY CODE (NESC) STANDARDS.
- PROVIDE AND INSTALL IN EACH POLE BASE, 3 SINGLE-POLE, SET SCREW, IN-LINE, BREAKAWAY FUSE HOLDERS. USE BUSSMAN (OR APPROVED EQUAL) MODEL NO. HEB-JW-RYC AND HEB-JW-RLC-J (LAST POLE). FOR THE 2 'HOT' BREAKAWAY CONDUCTORS, PLACE A 10 AMP KTK FUSE IN EACH BREAKAWAY FUSEHOLDER AND A NNB COPPER SLUG IN THE SYSTEM GROUND FUSEHOLDER.
- INDIVIDUAL AND SYSTEM GROUNDS SHALL BE INSTALLED ON ALL CIRCUITS. GROUNDING SHALL COMPLY WITH STANDARDS NOTED ABOVE AND WITH THE MOST CURRENT EDITION OF THE NEC.
- ALL CONDUIT CROSSINGS SHALL BE INDICATED WITH AN ALUMINUM MARKER IN THE TOP OF CURB. ALUMINUM MARKERS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTACT ELECTRICAL MIDWEST (913) 599-1000. RE: ELECTRICAL DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPE LINES, CONDUITS, STRUCTURES AND OVERHEAD LINES BY CONTACTING THE OWNERS OF THE UTILITIES. THE UTILITIES AS SHOWN ON THIS DRAWING WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THIS IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE INVENTORY OF THE UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE. CONTRACTOR SHALL CALL 1-800-DIG-SAFE PRIOR TO PROJECT EXCAVATION. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY THE RESPECTIVE UTILITY OWNERS PRIOR TO ANY ON-SITE EXCAVATION. KEY LOCATIONS AS NOTED SHALL BE LOCATED VERTICALLY BY UTILITY OWNERS AND/OR UTILITY OWNER SHALL BE PRESENT ON-SITE FOR LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL COORDINATE ANY UTILITY CONFLICTS WITH RESPECTIVE UTILITY COMPANY, THE CITY, AND THE ENGINEER. REQUIRED RELOCATES WILL BE PAID BY THE CONTRACTOR.
- ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE AUTHORITY HAVING JURISDICTION.
- PRIOR TO ORDERING STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. UPON APPROVAL, THESE DRAWINGS SHALL BE SUBMITTED TO THE CITY FOR REVIEW.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED PERMITS, PAYMENTS OF ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK.
- CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS, COORDINATES AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. NO NEW CONSTRUCTION SHOULD BE PERFORMED BY 'SCALING' FROM THE PLANS.
- ALL NEW LIGHTING EQUIPMENT INSTALLED BELOW OVERHEAD POWER LINES SHALL HAVE A 5FT MINIMUM CLEARANCE BETWEEN EQUIPMENT AND POWER LINE. COORDINATE ALL REQUIREMENTS WITH EVERY PRIOR TO INSTALLATION.
- LUMINAIRE AND CONTROLLER CABINET LABELS: THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE AND CONTROLLER CABINET IDENTIFICATION LABELS ACCORDING TO THE CONSTRUCTION PLANS. IDENTIFICATION LABELS SHALL CONSIST OF THREE LETTERS AND FOUR NUMERALS IN VERTICAL ORIENTATION WITH THE LETTERS AT THE TOP SO AS TO READ DOWNWARD. LEGEND SHALL BE 2 INCH SERIES "C" UPPER CASE BLACK CHARACTERS ON SILVER RETRO-REFLECTIVE SHEETING WITH PRESSURE SENSITIVE ADHESIVE BACKING, AS PRESCRIBED FOR USE ON STANDARD HIGHWAY SIGNS IN THE FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. LABELS ON CABINETS SHALL BE POSITIONED NEAR THE TOP OF THE DOOR ADJACENT TO THE DOOR HINGE.
- THE CONTRACTOR SHALL INSTALL A CABLE RETAINER ASSEMBLY MOUNTED BETWEEN A LUMINAIRE TYPE POLE AND FOUNDATION ANCHOR. THE RETAINER IS DESIGNED TO SECURE THE ELECTRICAL CONDUCTORS TO PREVENT CONDUCTOR THEFT. RE: ELECTRICAL DETAILS.
- PULL AND JUNCTION BOXES SHALL BE LOCATED AND SIZED IN ACCORDANCE WITH THE LATEST EDITION OF NEC AND SHALL BE INSTALLED SUCH THAT THEY ARE ACCESSIBLE. IF THE DISTANCE BETWEEN THE CONTROLLER, PULL BOX, OR LIGHT POLES IS GREATER THAN 500FT (CABLE CONDUIT) OR 200FT (RIGID CONDUIT), A PULL BOX SHALL BE PROVIDED. A PULL BOX SHALL BE INSTALLED ON EACH END OF ANY PAVEMENT CROSSING UNLESS THE PAVEMENT CROSSING ENDS IN A LIGHT POLE. REFER TO STANDARD DETAILS.
- DURING THE PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE CITY, THE CONTRACTOR IS RESPONSIBLE FOR MAKING ANY NECESSARY REPAIRS ARISING OUT OF DEFECTIVE WORKMANSHIP OR MATERIALS. THE CONTRACTOR SHALL CONDUCT AN INSPECTION OF THIS PROJECT 11 MONTHS AFTER THE PROJECT HAS BEEN ACCEPTED TO DETERMINE WHAT REPAIRS NEED TO BE MADE.
- CONTRACTOR SHALL GIVE NOTICE TO THE CITY, POLICE, AND UTILITY DEPARTMENTS 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION WORK ON ANY EXISTING STREET. NO EXCAVATION SHALL BE LEFT UNATTENDED AND UNPROTECTED.
- CONTRACTOR SHALL NOT REMOVE ANY TREE OR FENCE UNLESS OTHERWISE MARKED FOR REMOVAL ON THE PLANS WITHOUT PRIOR APPROVAL.
- WHERE PIPE IS TO BE INSTALLED IN AREAS OF FILL, SOIL SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR TO A MINIMUM OF 18" ABOVE THE TOP OF THE PIPE PRIOR TO EXCAVATION OF TRENCH.
- NO STONES GREATER THAN 1 FOOT ALONG THE LONGEST AXIS WILL BE ALLOWED IN TRENCH BACKFILL.
- IT IS THE INTENT OF THIS PROJECT TO LOCATE NEW POLES ON ONE SIDE OF STREET THEN REMOVE EXISTING POLES SO THAT ROADWAY IS ILLUMINATED AT ALL TIMES. ALL EXISTING ROADWAY LIGHTING TO BE REMOVED SHALL REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION AND SHALL BE REMOVED AFTER NEW LIGHTING IS INSTALLED AND FULLY OPERATIONAL.

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	NOTE	MATERIAL UNIT	PROPOSED QUANTITY	AS BUILT QUANTITY
	CONTROLLER 2 CKT	2CKT	EA	1	
	CONTROLLER 4 CKT	4CKT	EA	2	
	CONTROLLER PEDESTAL FOUNDATION		CY	3	
	3/4" X 8FT COPPERWELD ROD		EA	3	
	UNFUSED KIT FOR GROUND WIRE		EA	35	
	FUSE HOLDERS		EA	70	
	IDENTIFICATION TAGS (LUMINAIRE POLES)		EA	35	
	SCREW BASE FOUNDATION WITH INTEGRAL CABLE RETAINER	SH1	EA	25	
	RA1 POLE ASSEMBLY	RA1 (NO LTS)	EA	23	
	RA2 POLE ASSEMBLY	RA2 (NO LTS)	EA	2	
	SL1	SL1	EA	31	
	SL1A	SL1A	EA	4	
	SL2	SL2	EA	23	
	SL3	SL3	EA	3	
	RELOCATE EXISTING POLES		LS	1	
1	#10 1-CONDUCTOR RHH/RHW/USE COPPER	STLT CKT IN POLE	LF	2740	
1	#8 1-CONDUCTOR RHH/RHW/USE COPPER	STLT CKT	LF	16270	
1	#2 1-CONDUCTOR RHH/RHW/USE COPPER	STLT CKT	LF	2780	
	INGRADE JUNCTION BOX PREFORMED CLASS II		EA	2	
	TRENCHING AND BACKFILL		LF	5060	
1	3" PVC SCHEDULE 40 CONDUIT	SERVICE	LF	880	
1	2" PVC SCHEDULE 40 CONDUIT	STLT CKT	LF	3990	

UTILITES

THE NAME AND NUMBER OF UTILITY COMPANIES, IF EVEN REMOTELY INVOLVED WITH THIS PROJECT ARE AS FOLLOWS:

MISSOURI ONE-CALL SYSTEM 1-800-344-7483
AMERICAN TELEPHONE AND TELEGRAPH COMPANY... 1-800-222-3000
EVERGY 816-472-5275
MISSOURI PUBLIC SERVICE/ENERGYONE 816-353-5000
MISSOURI GAS ENERGY..... 816-756-5252

NOTE: LINEAR QUANTITIES ARE APPROXIMATE AND INCLUDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONDUCT ALL WORK AND FURNISH AND INSTALL ALL EQUIPMENT NECESSARY TO INSURE COMPLETE AND SATISFACTORY OPERATION OF THE ELECTRIC LIGHTING SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.



MISSOURI ONE CALL SYSTEM, INC.

CALL BEFORE YOU DIG - DRILL - BLAST
1-800-344-7483
(TOLL FREE)

ROADWAY LIGHTING LEGEND

EXISTING POLE, BASE, ARM, AND LUMINAIRE. NOTATION TEXT INDICATES:
ETR EXISTING TO REMAIN
XL RELOCATE EXISTING POLE
XN NEW LOCATION OF EXISTING POLE
XR REMOVE EXISTING POLE AND RETURN TO OWNER

NEW COMBINATION ROADWAY/PEDESTRIAN POLE. RE: PLANS AND SCHEDULES.

A201 NEW POLE NUMBER
CIRCUIT NUMBER
CONTROLLER ID

NEW ROADWAY ONLY POLE. RE: PLANS AND SCHEDULES.

A201 NEW POLE NUMBER
CIRCUIT NUMBER
CONTROLLER ID

NEW LUMINAIRE ON SHARED TRAFFIC SIGNAL POLE.

NEW LIGHTING CONTROLLER

NEW INGRADE JUNCTION BOX

NEW UNDERGROUND CONDUIT AND WIRE.

T.S. SHARED TRAFFIC SIGNAL/LIGHTING POLE

SHEET LIST

SE001	ROADWAY LIGHTING GENERAL NOTES	SE301	ROADWAY LIGHTING DETAILS
SE002	ROADWAY LIGHTING ELECTRICAL IMPROVEMENT SCHED	SE302	ROADWAY LIGHTING DETAILS
SE003	ROADWAY LIGHTING ELECTRICAL IMPROVEMENT SCHED	SE303	ROADWAY LIGHTING CONTROLLER SCHED AND DETAILS
SE004	ROADWAY LIGHTING VOLTAGE DROP SCHEDULES	SE400	ROADWAY LIGHTING PHOTOMETRICS - SCHEDULE
SE201	ROADWAY LIGHTING PLAN - PARTIAL	SE401	ROADWAY LIGHTING PHOTOMETRICS - PARTIAL
SE202	ROADWAY LIGHTING PLAN - PARTIAL	SE402	ROADWAY LIGHTING PHOTOMETRICS - PARTIAL
SE203	ROADWAY LIGHTING PLAN - PARTIAL	SE403	ROADWAY LIGHTING PHOTOMETRICS - PARTIAL
SE204	ROADWAY LIGHTING PLAN - PARTIAL	SE404	ROADWAY LIGHTING PHOTOMETRICS - PARTIAL
SE205	ROADWAY LIGHTING PLAN - PARTIAL	SE405	ROADWAY LIGHTING PHOTOMETRICS - PARTIAL



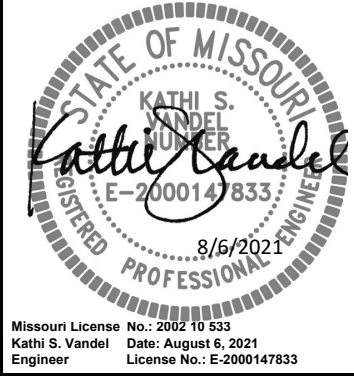
SK Design Group, Inc.
4600 College Boulevard,
Suite 100
Overland Park, Kansas 66211
913-451-1818
Fax 913-451-7599

Landscape Architect
Doug Pickert
Indigo Design
8593 Timber Trails Drive
De Soto, KS 66018
Tel: (913) 583-1370

Electrical Engineer
Allyson Evans
Lightworks, Inc.
3618 Main
Weston, MO 64098
Tel: (816) 640-9948

Survey
Adam Teel
Midland Surveying, Inc.
501 North. Market
Maryville, MO 64468
Tel: (660) 582-8633

REV. NO.	DATE	DESCRIPTION
1	8.6.21	ADDENDUM 3



SK Project No. 16-108
Design: AE
Checked: KV

South Main Corridor Improvement Project (Phase 1)
STP-4300 (112)
City of Maryville, Missouri

Issued for: Construction

Date: 2021-06-21

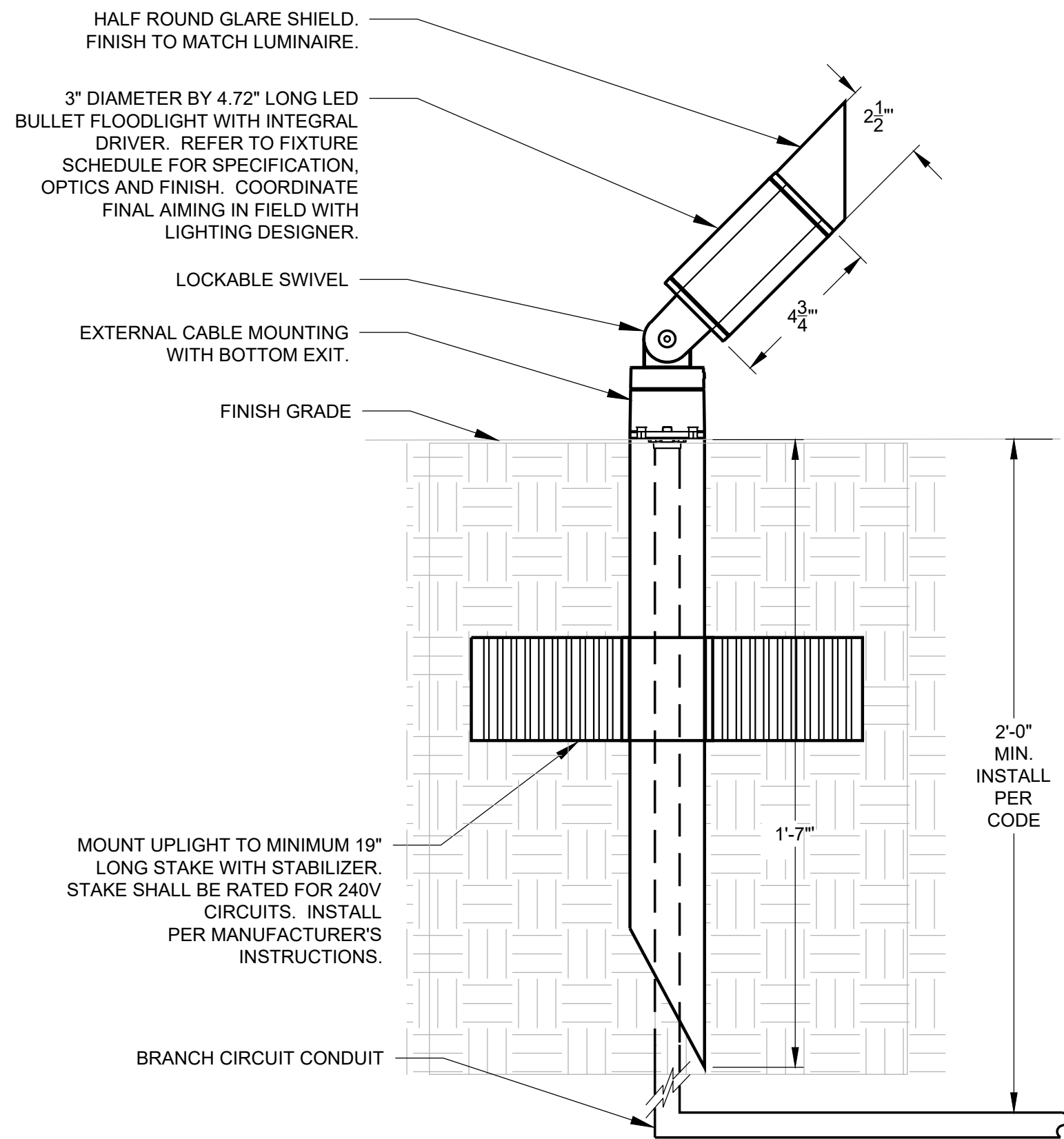
ROADWAY LIGHTING GENERAL
NOTES

SE001

G:\My Drive\LightWorks Server\Projects\1903 Maryville South Main Street\02 E Drawings\03 CAD\SE301 ROADWAY LIGHTING DETAILS.dwg Plotted: Aug 06, 2021 - 11:00am by allys

4 WAYFINDING SIGNAGE UPLIGHT LOCATION DETAIL

SCALE: NO SCALE

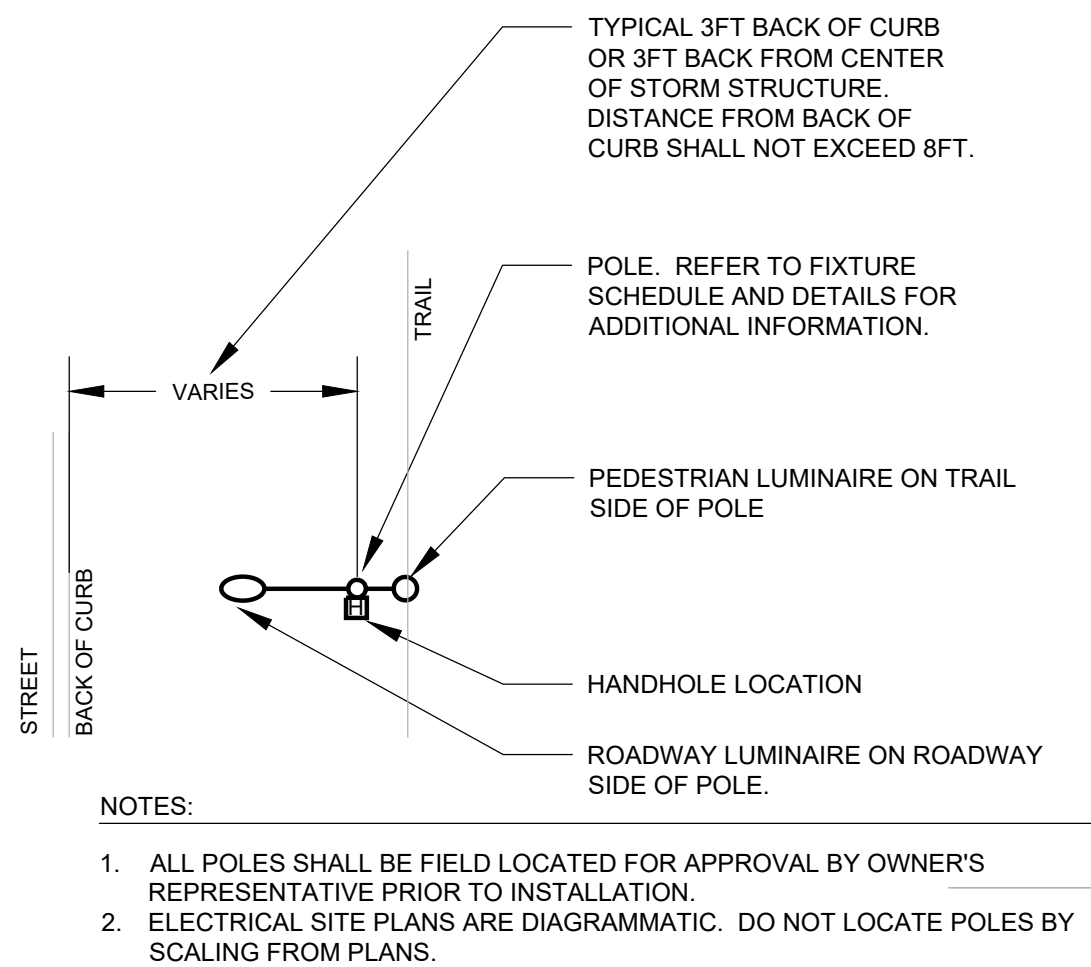


3 WAYFINDING SIGNAGE UPLIGHT DETAIL - TYPE SL3

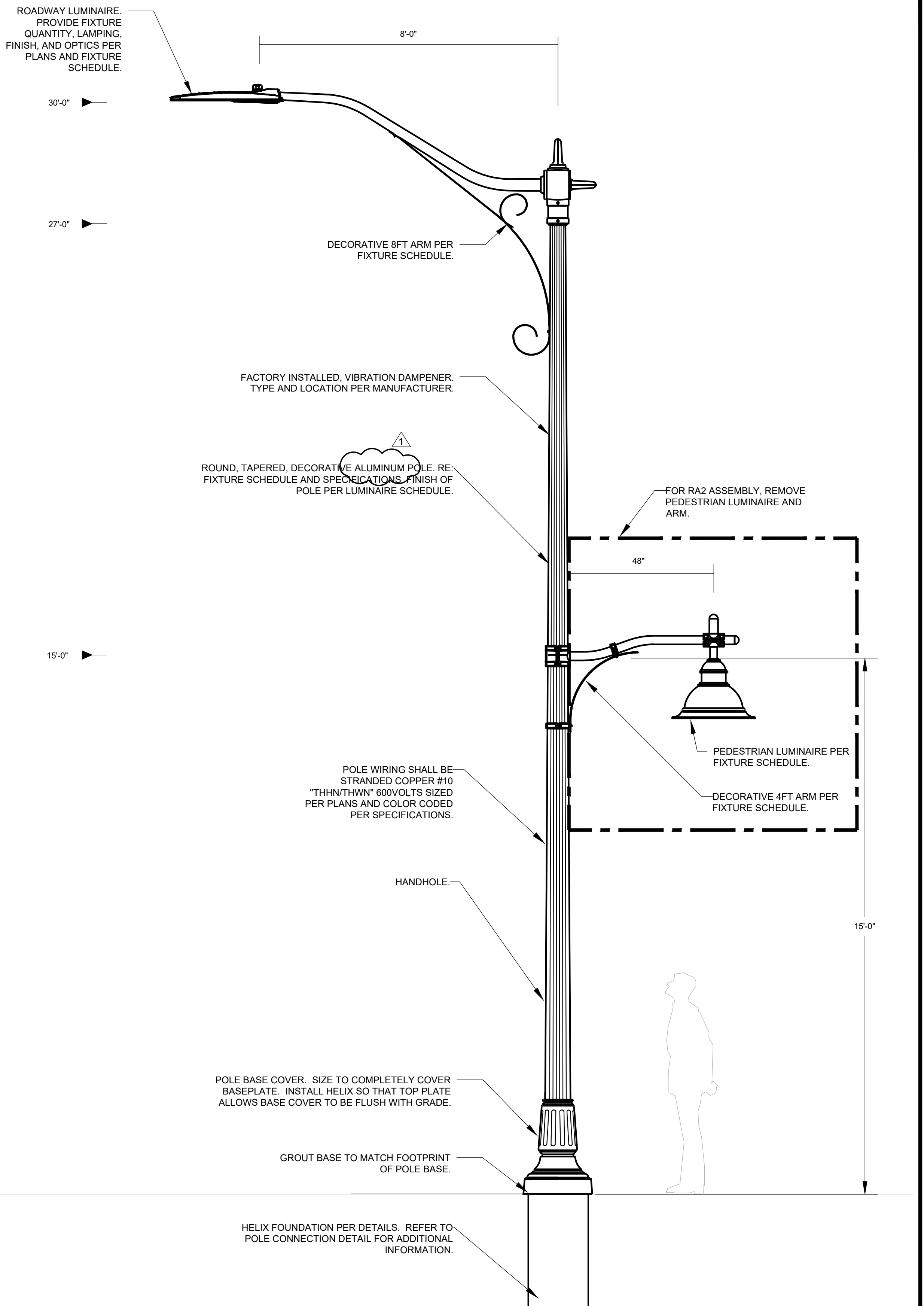
SCALE: NO SCALE

2 POLE LOCATION DETAIL

SCALE: NO SCALE



LIGHT POLE LOCATION: PLAN VIEW IN LANDSCAPE



1 ROADWAY LIGHTING POLE DETAIL - RA1 AND RA2

SCALE: NO SCALE



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ROADWAY LIGHTING DETAILS

SE301