



ADDENDUM NUMBER 1

Project Number **STP 3301 (517), City Project 70082340**
Project Title **North Woodland Complete Streets Reconstruction**
(Maplewoods Parkway)

ISSUE DATE: **May 2, 2019**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **May 8, 2019**, are amended as follows:

Information to Bidders The following is provided to Bidders for information only:

1. Agenda and sign in sheet of the pre-bid conference meeting held on April 25, 2019, are provided.
2. Section 20072, Page 639, Utility Letter of Certification dated January 31, 2019 is updated by the attached Status of Utility Update.

Q1.	Is soil boring information available?
A1.	Yes, Geotechnical Investigation Report is included in the project manual.
Q2.	Is the Surveyor required to stake all property corners after construction.
A2.	Please refer to the project manual, Section 1410, paragraph 6.
Q3.	We are finding the One line drawings do not match the Drawings completely and neither match the Summary of Quantities. So I guess the question is, which one is correct? Specifically the quantity of fixtures don't match up on the Summary sheet or the quantity of poles. The summary shows a total of 155 poles and yet I count 156 on the plans and 157 on the one line.
A3.	The plans, quantities and diagram have been changed to correct an error. The final total of poles is now 156. All changes are incorporated in Addendum 1.
Q4.	There are two poles labeled C5-1-7 on the plans. One is on page 225 and the other is on 226. Is this correct?
A4.	Pole numbers has been changed and is reflected in Addendum 1
Q5.	The summary lines 113 and 114 are quantity of pipe that is trenched in which total 23,538 lineal feet of pipe in trench, but line item 116 only shows 22,635 feet of trenching. Can this get clarified please?
A5.	There is more pipe than trench due to the additional pipe required at the base of each pole and at the pull boxes. These quantities have not been changed
Q6.	In the past, on most city projects, they don't like to see conduit runs from junction box to junction box because there is no way to protect the wires from being stolen like with cable retainers. This is more of an observation then a question.

A6.	The plans have been reviewed and approved by the City of Kansas City, Missouri. Therefore no changes have been made relating to this comment.
Q7.	Are items 225 and 226 are repeated or actual separate items on the above reference bid.
A7.	That is an error and is corrected in the bid form attached to this addendum.
Q8.	I'm wondering if this job should fall under the Buy American or American Iron & Steel provisions.
A8.	Please refer to the Project Manual. The required Buy America provisions are included on pages 24, paragraph (12)
Q9.	We would like to have some clarification on the wording for some of the curb inlets on this project. For example, structure AS-1469-L – APWA type II 8' x 5' Sag CI, structure AN-1379-R – APWA type II on-grade CI. What does the Sag stand for? Does it change the design of the curb inlets, or do we quote all curb inlets the same per APWA standards?
A9.	The "Sag" designation refers to inlet locations at a roadway low point. The notation is to alert the installer that a 10' gutter transition is required on both sides of the inlet and does not impact the inlet configuration or construction.
Q10.	Will there be items for the CMP shown in the profiles?
A10.	There is no CMP to be installed with this project. The CMP in the profiles are existing runs were included in our model to verify the design. They are labeled as existing in the pipe summary calculations and shown with a different line style in the profiles
Q11.	Will there be an item for the Mill & Overlay shown on the plans?
A11.	The only mill and overlay on the project is on sheet 60 at the tie in to the existing Pavement. The bid form will be modified to add 100 sy to Item 58, 2" AC Surface Course, and add Item 226, Coldmilling Bituminous Pavement (2").

Bidding Requirements

1. N/A

Contracting Requirements

- 1.N/A

Specifications

1. Replace 00412 Unit Prices with the corrected form included with this Addendum.

Drawings:

1. Sheet 4, Summary of Quantities.
2. Sheet 214, Lighting Plan 6 of 18.
3. Sheet 215, Lighting Plan 7 of 18.
4. Sheet 216, Lighting Plan 8 of 18.
5. Sheet 217, Lighting Plan 9 of 18.
6. Sheet 226, Lighting Plan 18 of 18.

7. Sheet 231, Street Lighting Wiring Diagram 1

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.

PREBID MEETING AGENDA

Project: North Woodland Complete Streets Reconstruction (Maplewoods Parkway)

Date: April 25, 2019

Time: 1:30 PM

Location: Kansas City Missouri, Department of Parks and Recreation
4600 E 63rd St, Kansas City, MO 64130

- Introduction of all parties present who are involved in the Project.

Project Manager James Wang, KCMO Parks

Contract Administrator Patt Losiewicz, KCMO

Design Consultant Representatives Rick Walker, CFS Engineers

Construction Inspector Tina Clifton, KCMO Parks

- Review Advertisement for Bids. Bids will be taken until Wednesday, May 8, 2019, 2:00PM at Kansas City Missouri, Department of Parks and Recreation 4600 E 63rd St, Kansas City, MO 64130. Bids will NOT be submitted electronically.
- Sign in sheet. Completed list of attendees will be included in last Addendum.
- Information shared and discussed during the meeting is meant to be helpful but does not and cannot change the Bid Documents. Bidders must rely on published Addenda for official answers to questions that are not currently covered by the Bid Documents.
- Electronic plans are available for download to potential Bidders at the Kansas City Missouri Plan Room. Link - <http://www.kcmoplanroom.org/Projects/Default.aspx>

1. Project Overview

Reconstruction and upgrade to complete street of narrow two lane North Woodland Road from NE 96th Street to NE 108th Street. Project will provide sidewalks on one side and a multi-use path on the other and also include on-street bike lanes serving patrons of multiple school and Anne Garney Park users, one through lane in each direction separated by a raised green median, street lighting, and landscaping.

2. Construction Time - Substantial Completion by November 15, 2020.
 - a. Shoal Creek Parkway, also known as the east-west movement, at the Shoal Creek Parkway and N Woodland Ave intersection shall remain open between November 1st and April 1st, and can only be closed to traffic for a period totaling a maximum of **Seventy Five (75) days**.
 - b. All landscaping, seeding, and tree planting shall be completed by **April 15, 2021**.
3. Liquidated Damages - Per MoDOT requirements -\$4,300.
4. Prevailing Wage - AWO25, Clay County
5. DBE - DBE for the project is 12% and 1 OJT slot of 1,000 hour trainee goal
6. Utilities Update

7. Construction Sequence

The Contractor shall complete the construction of the project in the following order, based on the phases and sequencing designations in the Project Traffic Control Plans.

Sequence 1: Phase 4, Sections 1 & 2, Phase 3, Section 1

Sequence 2: Phase 3, Sections 2-4

Sequence 3: Phase 2, Sections 1-3

Sequence 4: Phase 1, Sections 1-3

At the pre-construction conference, CONTRACTOR may submit an alternate construction sequence for consideration by the CITY. The Contractor shall prepare and submit for approval a phasing plan, traffic control plan and schedule for the requested alternate.

- Questions from Bidders

**PRE-BID MEETING
SIGN IN SHEET**

April 25, 2019

[illegible]

N. Woodland Complete Streets Reconstruction
Utility Coordination Meeting
April 24, 2019, 1:30 PM

1. Review of project status and bidding schedule by James Wang.
 - a. Out for Bids, to be opened on may 8, 2019.
2. Status of utility relocations
 - a. Spire - Approximately 200' long relocation at 100th Street on North side of road. Coordinating with KCPL for removal of guy anchors in path of proposed relocation. Estimated timeframe 2-3 weeks.
 - b. Google/ Spectrum - Relocations ongoing by K&W Underground. Sequence 1 area to be competed in approximately 2 weeks, estimated additional 60-90 days for entire project.
 - c. Public Works Street Lighting - Complete with project
 - d. KCPL - Sequence 1 area clear in 60 days, 6 months for full project. Work is primarily located along the west right of way line taking overhead lines and installing underground at edge of R/W or in adjacent easement
 - e. AT&T - (via email) - All relocation work to be completed by the end of June.

UNIT PRICES**Project Number STP 3301 (517), City Project 70082340**

North Woodland Complete Streets Reconstruction (Maplewoods Parkway)

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
1	LUMP SUM	1	Field Office		
2	LUMP SUM	1	Mobilization		
3	LUMP SUM	1	Contractor Furnished Surveying		
4	ACRES	5	Clearing, Grubbing, and Demolition		
5	CY	76229	Excavation		
6	CY	80712	Embankment		
7	SY	38758	Pavement Removal		
8	SQ FT	4076	Sidewalk Removal		
9	LF	4773	Concrete Curb & Gutter Removal		
10	LF	208	Pavement Sawing		
11	LF	23568	Silt Fence		
12	LF	23568	Straw Wattle		
13	EACH	125	Inlet Protection		
14	EACH	75	Stone Ditch Check		
15	SY	8500	Erosion Control Blanket		
16	SQ FT	6893	Retaining Wall (Modular Block)		
17	SQ FT	6066	Anti-Graffiti Coating		
18	EACH	2	Project Sign		
19	EACH	2	Reset Land Survey Monument		
20	EACH	6	Adjust Sanitary Sewer Manhole		
21	EACH	20	Adjust Water Valve		
22	EACH	3	15" HDPE Flared End Section		
23	EACH	1	18" RCP (Class III) Flared End Section		
24	EACH	3	18" HDPE Flared End Section		
25	EACH	1	24" HDPE Flared End Section		
26	EACH	1	36" HDPE Flared End Section		
27	EACH	1	42" HDPE Flared End Section		
28	LF	42	8" Storm Sewer		
29	LF	1476	15" RCP (Class III, Mastic Joint) Storm Sewer		
30	LF	4003	15" HDPE Storm Sewer		
31	LF	1015	18" RCP (Class III, Mastic Joint) Storm Sewer		
32	LF	1224	18" HDPE Storm Sewer		
33	LF	760	24" RCP (Class III, Mastic Joint) Storm Sewer		
34	LF	866	24" HDPE Storm Sewer		
35	LF	135	30" HDPE Storm Sewer		
36	LF	370	36" RCP (Class III, Mastic Joint) Storm Sewer		
37	LF	878	36" HDPE Storm Sewer		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
38	LF	171	42" RCP (Class III, Mastic Joint) Storm Sewer		
39	LF	78	42" HDPE Storm Sewer		
40	LF	281.2	8'x5' Precast RCB		
41	EACH	1	8'x5' RCB Head Wall with 45 Deg Wing Walls		
42	EACH	1	8'x5' RCB Head Wall With Straight Wing Walls		
43	EACH	20	5' Concrete Flume		
44	EACH	69	5'x 4' APWA Type 1 Curb Inlet		
45	EACH	7	5'x5' APWA Type 1 Curb Inlet		
46	EACH	10	8'x4' APWA Type 1 Curb Inlet		
47	EACH	3	8'x5' APWA Type 1 Curb Inlet		
48	EACH	2	4' x 4' Grate Inlet		
49	EACH	5	4' x 4' Area Inlet		
50	EACH	5	4' x 4' Junction Box		
51	EACH	9	5' x5' Area Inlet		
52	EACH	1	5' x5' Junction Box		
53	EACH	1	4' Manhole		
54	EACH	2	6' Manhole		
55	CY	180	Rock Blanket, Type II		
56	CY	3417	Stormwater BMP Soil Matrix(Rain Garden)		
57	LF	3000	Stormwater BMP Drain Tile		
58	SY	33158	2" Asphaltic Concrete Surface (Type 3-01)		
59	SY	39074	9" Asphaltic Concrete Base (Type 1-01)		
60	SY	48446	6" Type 5 Aggregate Subbase		
61	SY	9372	9" PCC Non-Reinforced Doweled Joint Pavement		
62	SY	48446	Fly Ash Treated Subgrade, (9" Depth)		
63	SF	49771.4	4" PCC Sidewalk		
64	SF	86447.7	4" PCC Multi-Use Path		
65	SF	3394.8	6" PCC ADA Ramp		
66	SY	431.5	8" PCC Pedestrian Crossings at RAB		
67	SY	186.6	6" PCC Driveway		
68	SY	782.7	6" Asphaltic Concrete Driveway		
69	SY	527.2	8" PCC Driveway		
70	LF	39450	Type CG-1 Curb and Gutter		
71	LF	1945.8	Mountable Curb and Gutter		
72	SY	1720.7	8" Stamped Colored PCC Pavement (Truck Apron)		
73	LF	3341	4" Solid Yellow Pavement Marking (Thermoplastic)		
74	LF	13768	4" Solid White Pavement Marking (Thermoplastic)		
75	LF	623	12" Solid Yellow Pavement Marking (Thermoplastic)		
76	LF	533	12" Solid White White Pavement Marking (Thermoplastic)		
77	LF	941	24" Solid White Pavement Marking (Thermoplastic)		
78	EACH	30	Solid White "Bike" Symbols		
79	EACH	6	Solid White Pavement Arrow Markings		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
80	EACH	17	Tubular Markers		
81	EACH	16	Sign, R2-1		
82	EACH	16	Sign, W13-1		
83	EACH	16	Sign, W2-6		
84	EACH	34	Sign, W11-2		
85	EACH	34	Sign, W16-7p		
86	EACH	15	Sign, R6-4a		
87	EACH	9	Sign, R1-1		
88	EACH	31	Sign, R1-2		
89	EACH	17	Sign, D1-1d		
90	EACH	7	Sign, R3-17b		
91	EACH	18	Sign, R3-17		
92	EACH	4	Sign, R5-1		
93	EACH	5	Sign, R6-1l		
94	EACH	6	Sign, R6-1r		
95	EACH	4	Sign, R4-7		
96	EACH	2	Sign, R4-11		
97	EACH	1	Sign, R3-7R		
98	EACH	4	Sign, OM4-1		
99	EACH	2	Sign, R3-8		
100	LF	1797	Signpost, 2.5"		
101	LF	888	Signpost, 3"		
			STREET LIGHTING ITEMS		
102	EACH	57	Remove Street Lighting Assemblies		
103	EACH	4	Lighting Pole, 30 ft		
104	EACH	152	Lighting Pole, 35 ft		
105	EACH	136	Screw-in Pole Foundation		
106	EACH	19	Concrete Foundation, Offset, Type B		
107	EACH	153	199 W LED Luminaire		
108	EACH	3	150 W LED Luminaire		
109	EACH	1	90 W LED Luminaire		
110	EACH	4	Lighting Controller, 240 Volt - 4 Ckt. w/Foundation		
111	EACH	1	Reloc. Exist. Lighting Controller, 240 Volt - 2 Ckt. w/Foundation		
112	EACH	66	Pull Box, Concrete, Standard, Type II		
113	LF	22939	Conduit, 2 in. PVC, Schedule 40, in Trench		
114	LF	599	Conduit, 3 in. PVC, Schedule 40, in Trench		
115	LF	1260	Conduit, 3 in. Rigid (Pushed)		
116	LF	22635	Trenching		
117	LF	41422	Cable, 6 AWG 1 Conductor (RHH/RHW/USE)		
118	LF	7262	Cable, 8 AWG 1 Conductor (RHH/RHW/USE)		
119	LF	16215	Cable, 10 AWG 1 Conductor in Poles (RHW/USE)		

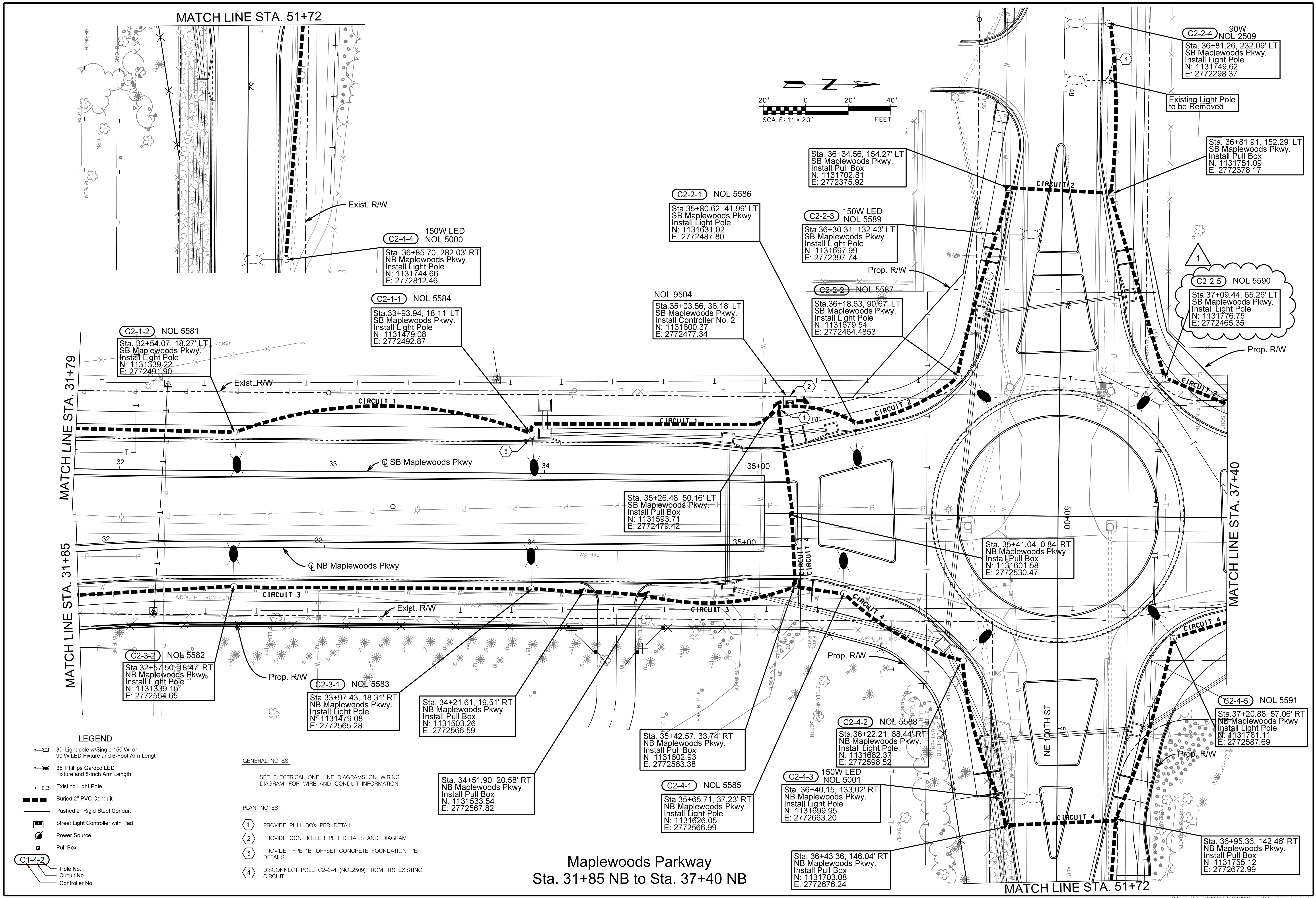
Item No.	Unit	Quantity	Item Description:	Unit	Extension
120	EACH	5	Power Supply Assemblies		
121	EACH	161	Ground Rod		
122	EACH	161	Light Pole and Controller ID Markers		
123	EACH	48	Conduit Markers		
124	EACH	314	Connector Kits - Fused (10 Ams, KTK)		
125	EACH	157	Connector Kits - Unfused		
126	EACH	471	Fargo Connectors		
127	EACH	155	Anti-Theft Cable Retainer Assembly		
128	LF	24652	#6 AWG Bare Copper Wire		
			FENCING		
129	LF	323	Fence, 6' Wood Privacy Fence		
130	LF	939	Ornamental Fence System, 72" Height		
131	LF	49	48" Decorative Steel Fence Railing		
132	EACH	1	Residential Access Control Gate 18' (2-9' Gates)		
133	EACH	1	Residential Access Control Gate 14' (2-7' Gates)		
			WATER MAIN ITEMS		
134	LF	840	30" DIP CL 54 Non-Restrained Joint Waterline		
135	LF	2370	16" DIP CL 54 Non-Restrained Joint Waterline		
136	LF	212	12" DIP CL 52 Non-Restrained Joint Waterline		
137	LF	142	8" DIP CL 52 Restrained Joint Waterline		
138	LF	451	12" DIP CL 52 Restrained Joint Waterline		
139	LF	841	16" DIP CL 54 Restrained Joint Waterline		
140	LF	172	30" DIP CL 54 Restrained Joint Waterline		
141	EACH	2	30" CL 54 - 11.25 Degree Bend		
142	EACH	7	30" CL 54 - 45 Degree Bend		
143	EACH	2	16" CL 54 - 11.25 Degree Bend		
144	EACH	4	16" CL 54 - 22.5 Degree Bend		
145	EACH	16	16" CL 54 - 45 Degree Bend		
146	EACH	2	12" CL 52 - 22.5 Degree Bend		
147	EACH	14	12" CL 52 - 45 Degree Bend		
148	EACH	4	8" CL 52 - 45 Degree Bend		
149	EACH	1	6" Solid Sleeve Coupling		
150	EACH	1	8" Solid Sleeve Coupling		
151	EACH	5	12" Solid Sleeve Coupling		
152	EACH	11	16" Solid Sleeve Coupling		
153	EACH	2	30" Solid Sleeve Coupling		
154	EACH	1	8"x6" Reducer		
155	EACH	2	30"x8" Reducer		
156	EACH	1	12" Plug		
157	EACH	1	16" Plug		
158	EACH	1	30" Plug		
159	EACH	12	6" Gate Valve		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
160	EACH	4	8" Gate Valve		
161	EACH	4	12" Gate Valve		
162	EACH	8	16" Butterfly Valve		
163	EACH	1	30" Butterfly Valve		
164	EACH	4	2" Air Release Assembly & Vault		
165	EACH	2	12"x6" DIP Tee		
166	EACH	3	16"x12" DIP Tee		
167	EACH	2	16"x8" DIP Tee		
168	EACH	11	16"x6" DIP Tee		
169	EACH	1	30"x16" DIP Tee		
170	EACH	3	30"x6" DIP Tee		
171	EACH	1	Straddle Block on 6" Main		
172	EACH	3	Straddle Block on 8" Main		
173	EACH	7	Straddle Block on 12" Main		
174	EACH	6	Straddle Block on 16" Main		
175	EACH	3	Straddle Block on 30" Main		
176	EACH	8	Water Service Transfer		
177	EACH	8	Curb Box		
178	EACH	5	Meter Relocation		
179	EACH	11	Fire Hydrant Assembly (Excluding Relocate, Sta. 33+80)		
180	EACH	1	Flushing Assembly for 30-inch Pipe		
181	EACH	3	Flushing Assembly for 16-inch Pipe		
182	EACH	4	Flushing Assembly for 12-inch Pipe		
183	EACH	2	Flushing Assembly for 8-inch Pipe		
184	EACH	2	Pothole 16" Main (Sta. 34+75, Sta. 63+00)		
185	EACH	3	Pipeline Markers		
186	LUMP SUM	1	As-Built Drawings & Construction Staking		
187	LUMP SUM	1	Relocate Fire Hydrant (Sta. 33+80)		
188	EACH	8	Adjust Valve Box to Grade		
189	EACH	1	Adjust Air Release Access Manway to Grade		
			TEMPORARY TRAFFIC CONTROL		
190	EACH	14	Temporary Sign, W20-1		
191	EACH	5	Temporary Sign, W20-5		
192	EACH	4	Temporary Sign, W4-2		
193	EACH	14	Temporary Sign, G020-2		
194	EACH	6	Temporary Sign, R3-3		
195	EACH	39	Temporary Sign, R11-2		
196	EACH	12	Temporary Sign, R9-9		
197	EACH	1	Temporary Sign, R3-2		
198	EACH	4	Temporary Sign, R4-7		
199	EACH	1	Temporary Sign, R3-4		
200	EACH	54	Temporary Sign, M4-9L		

Bidder: _____

Item No.	Unit	Quantity	Item Description:	Unit	Extension
201	EACH	55	Temporary Sign, M4-9R		
202	EACH	81	Temporary Sign, M4-9S		
203	EACH	18	Temporary Sign, M4-8A		
204	EACH	43	Temporary Sign, W20-3A		
205	EACH	20	Temporary Sign, Special (90"x42")		
206	EACH	190	Temporary Sign, Special (36"x18")		
207	EACH	261	Channelizers		
208	LF	1201	Pavement Marking Removal - Striping		
209	LF	156	Pavement Marking Removal - Stop Bar		
210	EACH	20	Pavement Marking Removal - Symbol		
211	EACH	165	Type III Barricades		
212	EACH	6	Flashing Arrow Panels		
213	EACH	6	Changeable Message Signs		
			LANDSCAPE ITEMS		
214	SY	5000	FESCUE TURF SOD		
215	SF	911939	TURF GRASS - KCMO Std. Seeding Mix #1		
216	EACH	127	DECIDUOUS TREE - 2" cal.		
217	EACH	264	DECIDUOUS TREE - 1.5" cal.		
218	EACH	9	EVERGREEN TREE - 6-7' ht.		
219	EACH	622	SHRUB - 5 gal.		
220	EACH	715	PERENNIAL - 1 gal.		
221	EACH	3769	GRASS - 1 gal.		
222	LF	4795	CONCRETE MOW STRIP - 8" wide X 6" high		
223	LF	408	LIMESTONE WEIR - 14" high x 2' wide x 3' long		
224	EACH	28	LIMESTONE POST ROCK - 6' high x 1' wide x 1' long		
225	CY	9000	Topsoil		
226	SY	100	Coldmilling for Bituminous Overlay (2")		
			Total Unit Prices: (LAST PAGE ONLY)		TOTAL \$
					0

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.



Maplewoods Parkway
Sta. 31+85 NB to Sta. 37+40 NB

- LEGEND**
- 30' Light pole w/Single 150 W or 90 W LED Fixture and 6-Foot Arm Length
 - 35' Phillips Gardco LED Fixture and 8-Inch Arm Length
 - Existing Light Pole
 - Buried 2" PVC Conduit
 - Pushed 2" Rigid Steel Conduit
 - Street Light Controller with Pad
 - Power Source
 - Pull Box
 - C1-4-2 Pole No.
Circuit No.
Controller No.

- GENERAL NOTES:**
- SEE ELECTRICAL ONE LINE DIAGRAMS ON WIRING DIAGRAM FOR WIRE AND CONDUIT INFORMATION.
- PLAN NOTES:**
- PROVIDE PULL BOX PER DETAIL.
 - PROVIDE CONTROLLER PER DETAILS AND DIAGRAM
 - PROVIDE TYPE "B" OFFSET CONCRETE FOUNDATION PER DETAILS.
 - DISCONNECT POLE C2-2-4 (NOL2509) FROM ITS EXISTING CIRCUIT.

CFS ENGINEERS
cfe.com

STATE OF MISSOURI
JAMES H. WILSON, P.E.
Professional Engineer
No. 10245-SL-Sub-Lighting Plan_06.dgn
5/22/19

1	5/22/19	Adendum 1	Work	Description	Date

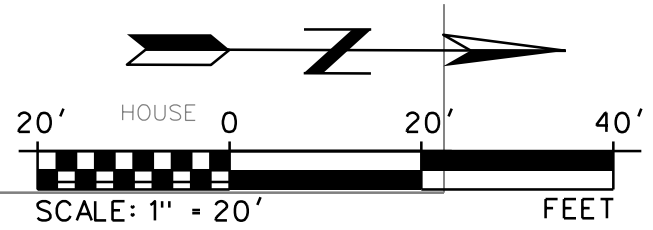
PARKS & RECREATION DEPARTMENT
KANSAS CITY, MISSOURI

N. WOODLAND AVE. COMPLETE STREETS
96TH STREET TO 108TH STREET
STP 3301517

PLAN SHEET
6 OF 18

Sheet reference number:
214

Sheet 214 of 287

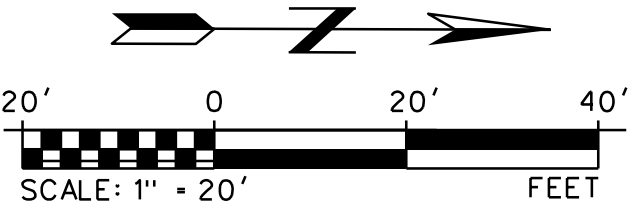
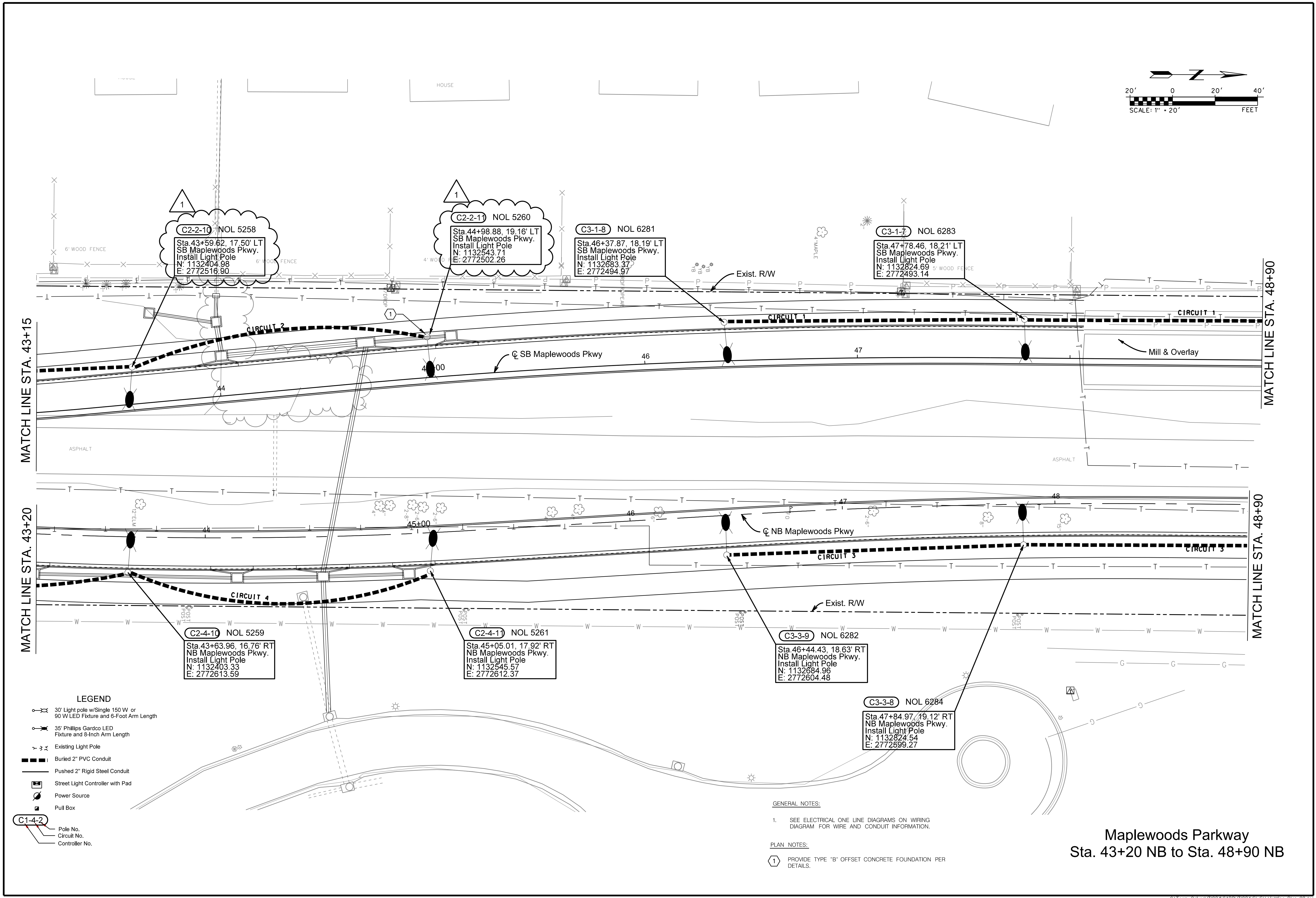


	Addendum	Date
1	1	5/2/19
Mark	Description	Date

Designed by: ---	Date: 00-00-00
Dwn by: ---	Reviewed by: ---
Submitted by: ---	Plot scale: 1/240
File name: I1024-SL-SH-Lighting Plan_071	
Plot date: 5/2/2019 1:29:37 PM	

**PARKS & RECREATION
DEPARTMENT**
KANSAS CITY, MISSOURI

N. WOODLAND AVE. COMPLETE STREET
96TH STREET TO 108TH STREET
STP 3301517



- LEGEND**
- 30' Light pole w/Single 150 W or 90 W LED Fixture and 6-Foot Arm Length
 - 35' Phillips Gardco LED Fixture and 8-Inch Arm Length
 - Existing Light Pole
 - Buried 2" PVC Conduit
 - Pushed 2" Rigid Steel Conduit
 - Street Light Controller with Pad
 - Power Source
 - Pull Box
 - C1-4-2 Pole No., Circuit No., Controller No.

- GENERAL NOTES:**
- SEE ELECTRICAL ONE LINE DIAGRAMS ON WIRING DIAGRAM FOR WIRE AND CONDUIT INFORMATION.
- PLAN NOTES:**
- PROVIDE TYPE "B" OFFSET CONCRETE FOUNDATION PER DETAILS.

Maplewoods Parkway
Sta. 43+20 NB to Sta. 48+90 NB

CFS ENGINEERS
cfe.com
101 E. 104th Street, Suite 100, Overland Park, KS 66206
P: 913-333-4477 F: 913-333-9886

STATE OF KANSAS
JULY 2019
WILLIAM J. HANCOCK
Professional Engineer
No. 44327
Exp. 12/31/2024

Adendum	Date	Description	Mark
1	5/2/19		

Designed by:	Date:	Drawn by:	Reviewed by:	Plot scale:
...	00-00-00	...	...	1/240

Submitted by:	File name:	Plot date:
...	170224-SL-SH-Lighting_Plan_08.dgn	12/30/19

PARKS & RECREATION DEPARTMENT
KANSAS CITY, MISSOURI
N. WOODLAND AVE. COMPLETE STREET'S
96TH STREET TO 108TH STREET
STP 3301517

PLAN SHEET
8 OF 18

Sheet reference number:
216
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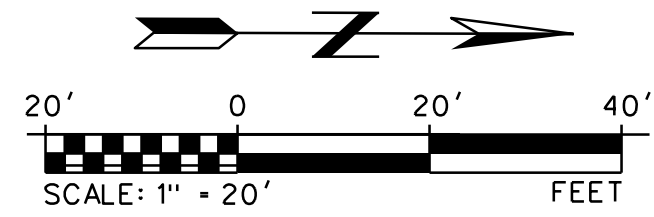
Exist. R/W

C5-1-10
NOM 6289
Existing Light Pole
to Remain in Place

C5-1-8 NOM 6318
Sta. 92+48.29, 239.92' LT
SB Maplewoods Pkwy.
Install Pull Box
N: 1137235.76
E: 2772342.16

C5-1-11
NOM 6282
Existing Light Pole
to Remain in Place

C5-1-6 NOM 6319
Sta. 93+27.15, 235.64' LT
SB Maplewoods Pkwy.
Install Light Pole
N: 1137314.57
E: 2772437.24



Exist. R/W

Shoal Creek Pkwy

SB Maplewoods Pkwy

GENERAL NOTES:

- SEE ELECTRICAL ONE LINE DIAGRAMS ON WIRING DIAGRAM FOR WIRE AND CONDUIT INFORMATION.

PLAN NOTES:

1. REPLACE EXISTING LIGHT HEAD WITH NEW LED HEAD. EXISTING POST TO REMAIN IN PLACE.

LEGEND

- 30' Light pole w/Single 150 W or 90 W LED Fixture and 6-Foot Arm Length
- 35' Phillips Gardco LED Fixture and 8-Inch Arm Length
- Existing Light Pole
- Buried 2" PVC Conduit
- Pushed 2" Rigid Steel Conduit
- Street Light Controller with Pad
- Power Source
- Pull Box
- Pole No., Circuit No., Controller No.

PARKS & RECREATION
DEPARTMENT
KANSAS CITY, MISSOURI

N. WOODLAND AVE. COMPLETE STREETS
96TH STREET TO 108TH STREET
STP 3301517

Designed by:	Date:
---	00-00-00
Dwn by:	Reviewed by:
---	---
Submitted by:	Plot scale:
---	1/240
File name: I7024-SL-SH-Lighting_Plan_18.dgn	
Plot date: 5/22/2019	

Mark	Description	Date
1	Addendum 1	5/22/19



CFS ENGINEERS

cfe.com

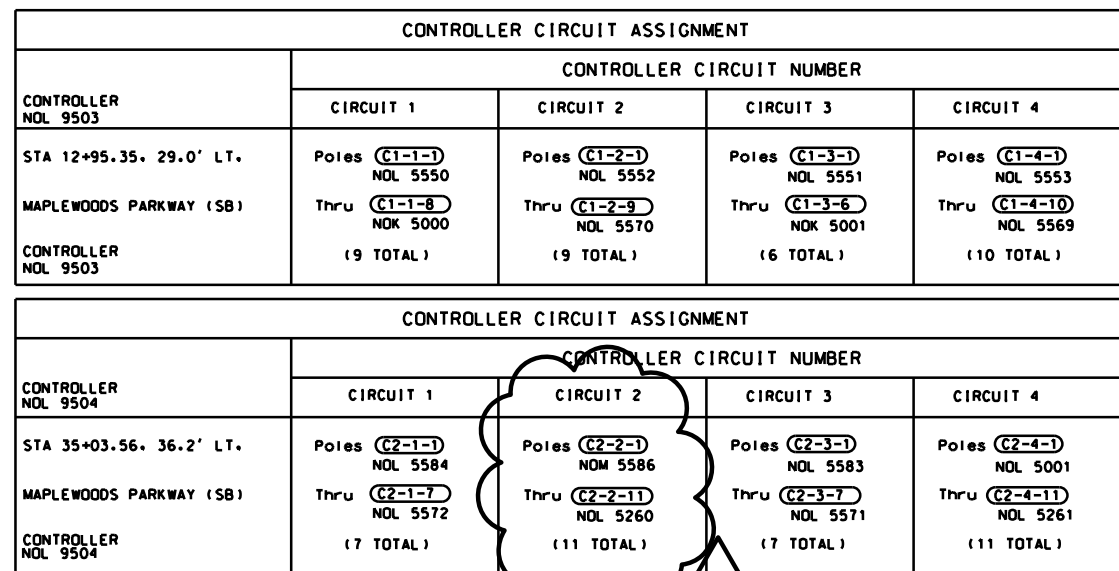
145 E. 104th Street, Suite 100, Kansas City, MO 64131
P: 816-333-4477 F: 816-333-9886

PLAN SHEET
18 OF 18

Sheet
reference
number:

226

Sheet 226 of 287



11. IF GROUND CONDITIONS OR UTILITY CONFLICTS WILL NOT ALLOW SCREW-IN BASES, CONTRACTOR SHALL INSTALL POURED CONCRETE TYPE A, B OR C AT NO ADDITIONAL COST..

UNIT PRICES

Project Number STP 3301 (517), City Project 70082340

North Woodland Complete Streets Reconstruction (Maplewoods Parkway)

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description:	Unit	Extension
1	LUMP SUM	1	Field Office		
2	LUMP SUM	1	Mobilization		
3	LUMP SUM	1	Contractor Furnished Surveying		
4	ACRES	5	Clearing, Grubbing, and Demolition		
5	CY	76229	Excavation		
6	CY	80712	Embankment		
7	SY	38758	Pavement Removal		
8	SQ FT	4076	Sidewalk Removal		
9	LF	4773	Concrete Curb & Gutter Removal		
10	LF	208	Pavement Sawing		
11	LF	23568	Silt Fence		
12	LF	23568	Straw Wattle		
13	EACH	125	Inlet Protection		
14	EACH	75	Stone Ditch Check		
15	SY	8500	Erosion Control Blanket		
16	SQ FT	6893	Retaining Wall (Modular Block)		
17	SQ FT	6066	Anti-Graffiti Coating		
18	EACH	2	Project Sign		
19	EACH	2	Reset Land Survey Monument		
20	EACH	6	Adjust Sanitary Sewer Manhole		
21	EACH	20	Adjust Water Valve		
22	EACH	3	15" HDPE Flared End Section		
23	EACH	1	18" RCP (Class III) Flared End Section		
24	EACH	3	18" HDPE Flared End Section		
25	EACH	1	24" HDPE Flared End Section		
26	EACH	1	36" HDPE Flared End Section		
27	EACH	1	42" HDPE Flared End Section		
28	LF	42	8" Storm Sewer		
29	LF	1476	15" RCP (Class III, Mastic Joint) Storm Sewer		
30	LF	4003	15" HDPE Storm Sewer		
31	LF	1015	18" RCP (Class III, Mastic Joint) Storm Sewer		
32	LF	1224	18" HDPE Storm Sewer		
33	LF	760	24" RCP (Class III, Mastic Joint) Storm Sewer		
34	LF	866	24" HDPE Storm Sewer		
35	LF	135	30" HDPE Storm Sewer		
36	LF	370	36" RCP (Class III, Mastic Joint) Storm Sewer		
37	LF	878	36" HDPE Storm Sewer		
38	LF	171	42" RCP (Class III, Mastic Joint) Storm Sewer		
39	LF	78	42" HDPE Storm Sewer		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
40	LF	281.2	8'x5' Precast RCB		
41	EACH	1	8'x5' RCB Head Wall with 45 Deg Wing Walls		
42	EACH	1	8'x5' RCB Head Wall With Straight Wing Walls		
43	EACH	20	5' Concrete Flume		
44	EACH	69	5'x 4' APWA Type 1 Curb Inlet		
45	EACH	7	5'x5' APWA Type 1 Curb Inlet		
46	EACH	10	8'x4' APWA Type 1 Curb Inlet		
47	EACH	3	8'x5' APWA Type 1 Curb Inlet		
48	EACH	2	4' x 4' Grate Inlet		
49	EACH	5	4' x 4' Area Inlet		
50	EACH	5	4' x 4' Junction Box		
51	EACH	9	5' x5' Area Inlet		
52	EACH	1	5' x5' Junction Box		
53	EACH	1	4' Manhole		
54	EACH	2	6' Manhole		
55	CY	180	Rock Blanket, Type II		
56	CY	3417	Stormwater BMP Soil Matrix(Rain Garden)		
57	LF	3000	Stormwater BMP Drain Tile		
58	SY	33158	2" Asphaltic Concrete Surface (Type 3-01)		
59	SY	39074	9" Asphaltic Concrete Base (Type 1-01)		
60	SY	48446	6" Type 5 Aggregate Subbase		
61	SY	9372	9" PCC Non-Reinforced Doweled Joint Pavement		
62	SY	48446	Fly Ash Treated Subgrade, (9" Depth)		
63	SF	49771.4	4" PCC Sidewalk		
64	SF	86447.7	4" PCC Multi-Use Path		
65	SF	3394.8	6" PCC ADA Ramp		
66	SY	431.5	8" PCC Pedestrian Crossings at RAB		
67	SY	186.6	6" PCC Driveway		
68	SY	782.7	6" Asphaltic Concrete Driveway		
69	SY	527.2	8" PCC Driveway		
70	LF	39450	Type CG-1 Curb and Gutter		
71	LF	1945.8	Mountable Curb and Gutter		
72	SY	1720.7	8" Stamped Colored PCC Pavement (Truck Apron)		
73	LF	3341	4" Solid Yellow Pavement Marking (Thermoplastic)		
74	LF	13768	4" Solid White Pavement Marking (Thermoplastic)		
75	LF	623	12" Solid Yellow Pavement Marking (Thermoplastic)		
76	LF	533	12" Solid White White Pavement Marking (Thermoplastic)		
77	LF	941	24" Solid White Pavement Marking (Thermoplastic)		
78	EACH	30	Solid White "Bike" Symbols		
79	EACH	6	Solid White Pavement Arrow Markings		
80	EACH	17	Tubular Markers		
81	EACH	16	Sign, R2-1		
82	EACH	16	Sign,W13-1		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
83	EACH	16	Sign, W2-6		
84	EACH	34	Sign, W11-2		
85	EACH	34	Sign, W16-7p		
86	EACH	15	Sign, R6-4a		
87	EACH	9	Sign, R1-1		
88	EACH	31	Sign, R1-2		
89	EACH	17	Sign, D1-1d		
90	EACH	7	Sign, R3-17b		
91	EACH	18	Sign, R3-17		
92	EACH	4	Sign, R5-1		
93	EACH	5	Sign, R6-1l		
94	EACH	6	Sign, R6-1r		
95	EACH	4	Sign, R4-7		
96	EACH	2	Sign, R4-11		
97	EACH	1	Sign, R3-7R		
98	EACH	4	Sign, OM4-1		
99	EACH	2	Sign, R3-8		
100	LF	1797	Signpost, 2.5"		
101	LF	888	Signpost, 3"		
			STREET LIGHTING ITEMS		
102	EACH	57	Remove Street Lighting Assemblies		
103	EACH	4	Lighting Pole, 30 ft		
104	EACH	152	Lighting Pole, 35 ft		
105	EACH	136	Screw-in Pole Foundation		
106	EACH	19	Concrete Foundation, Offset, Type B		
107	EACH	153	199 W LED Luminaire		
108	EACH	3	150 W LED Luminaire		
109	EACH	1	90 W LED Luminaire		
110	EACH	4	Lighting Controller, 240 Volt - 4 Ckt. w/Foundation		
111	EACH	1	Reloc. Exist. Lighting Controller, 240 Volt - 2 Ckt. w/Foundation		
112	EACH	66	Pull Box, Concrete, Standard, Type II		
113	LF	22939	Conduit, 2 in. PVC, Schedule 40, in Trench		
114	LF	599	Conduit, 3 in. PVC, Schedule 40, in Trench		
115	LF	1260	Conduit, 3 in. Rigid (Pushed)		
116	LF	22635	Trenching		
117	LF	41422	Cable, 6 AWG 1 Conductor (RHH/RHW/USE)		
118	LF	7262	Cable, 8 AWG 1 Conductor (RHH/RHW/USE)		
119	LF	16215	Cable, 10 AWG 1 Conductor in Poles (RHW/USE)		
120	EACH	5	Power Supply Assemblies		
121	EACH	161	Ground Rod		
122	EACH	161	Light Pole and Controller ID Markers		
123	EACH	48	Conduit Markers		
124	EACH	314	Connector Kits - Fused (10 Ams, KTK)		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
125	EACH	157	Connector Kits - Unfused		
126	EACH	471	Fargo Connectors		
127	EACH	155	Anti-Theft Cable Retainer Assembly		
128	LF	24652	#6 AWG Bare Copper Wire		
			FENCING		
129	LF	323	Fence, 6' Wood Privacy Fence		
130	LF	939	Ornamental Fence System, 72" Height		
131	LF	49	48" Decorative Steel Fence Railing		
132	EACH	1	Residential Access Control Gate 18' (2-9' Gates)		
133	EACH	1	Residential Access Control Gate 14' (2-7' Gates)		
			WATER MAIN ITEMS		
134	LF	840	30" DIP CL 54 Non-Restrained Joint Waterline		
135	LF	2370	16" DIP CL 54 Non-Restrained Joint Waterline		
136	LF	212	12" DIP CL 52 Non-Restrained Joint Waterline		
137	LF	142	8" DIP CL 52 Restrained Joint Waterline		
138	LF	451	12" DIP CL 52 Restrained Joint Waterline		
139	LF	841	16" DIP CL 54 Restrained Joint Waterline		
140	LF	172	30" DIP CL 54 Restrained Joint Waterline		
141	EACH	2	30" CL 54 - 11.25 Degree Bend		
142	EACH	7	30" CL 54 - 45 Degree Bend		
143	EACH	2	16" CL 54 – 11.25 Degree Bend		
144	EACH	4	16" CL 54 – 22.5 Degree Bend		
145	EACH	16	16" CL 54 - 45 Degree Bend		
146	EACH	2	12" CL 52 – 22.5 Degree Bend		
147	EACH	14	12" CL 52 - 45 Degree Bend		
148	EACH	4	8" CL 52 - 45 Degree Bend		
149	EACH	1	6" Solid Sleeve Coupling		
150	EACH	1	8" Solid Sleeve Coupling		
151	EACH	5	12" Solid Sleeve Coupling		
152	EACH	11	16" Solid Sleeve Coupling		
153	EACH	2	30" Solid Sleeve Coupling		
154	EACH	1	8"x6" Reducer		
155	EACH	2	30"x8" Reducer		
156	EACH	1	12" Plug		
157	EACH	1	16" Plug		
158	EACH	1	30" Plug		
159	EACH	12	6" Gate Valve		
160	EACH	4	8" Gate Valve		
161	EACH	4	12" Gate Valve		
162	EACH	8	16" Butterfly Valve		
163	EACH	1	30" Butterfly Valve		
164	EACH	4	2" Air Release Assembly & Vault		
165	EACH	2	12"x6" DIP Tee		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
166	EACH	3	16"x12" DIP Tee		
167	EACH	2	16"x8" DIP Tee		
168	EACH	11	16"x6" DIP Tee		
169	EACH	1	30"x16" DIP Tee		
170	EACH	3	30"x6" DIP Tee		
171	EACH	1	Straddle Block on 6" Main		
172	EACH	3	Straddle Block on 8" Main		
173	EACH	7	Straddle Block on 12" Main		
174	EACH	6	Straddle Block on 16" Main		
175	EACH	3	Straddle Block on 30" Main		
176	EACH	8	Water Service Transfer		
177	EACH	8	Curb Box		
178	EACH	5	Meter Relocation		
179	EACH	11	Fire Hydrant Assembly (Excluding Relocate, Sta. 33+80)		
180	EACH	1	Flushing Assembly for 30-inch Pipe		
181	EACH	3	Flushing Assembly for 16-inch Pipe		
182	EACH	4	Flushing Assembly for 12-inch Pipe		
183	EACH	2	Flushing Assembly for 8-inch Pipe		
184	EACH	2	Pothole 16" Main (Sta. 34+75, Sta. 63+00)		
185	EACH	3	Pipeline Markers		
186	LUMP SUM	1	As-Built Drawings & Construction Staking		
187	LUMP SUM	1	Relocate Fire Hydrant (Sta. 33+80)		
188	EACH	8	Adjust Valve Box to Grade		
189	EACH	1	Adjust Air Release Access Manway to Grade		
			TEMPORARY TRAFFIC CONTROL		
190	EACH	14	Temporary Sign, W20-1		
191	EACH	5	Temporary Sign, W20-5		
192	EACH	4	Temporary Sign, W4-2		
193	EACH	14	Temporary Sign, G020-2		
194	EACH	6	Temporary Sign, R3-3		
195	EACH	39	Temporary Sign, R11-2		
196	EACH	12	Temporary Sign, R9-9		
197	EACH	1	Temporary Sign, R3-2		
198	EACH	4	Temporary Sign, R4-7		
199	EACH	1	Temporary Sign, R3-4		
200	EACH	54	Temporary Sign, M4-9L		
201	EACH	55	Temporary Sign, M4-9R		
202	EACH	81	Temporary Sign, M4-9S		
203	EACH	18	Temporary Sign, M4-8A		
204	EACH	43	Temporary Sign, W20-3A		
205	EACH	20	Temporary Sign, Special (90"x42")		
206	EACH	190	Temporary Sign, Special (36"x18")		
207	EACH	261	Channelizers		

Bidder: _____

Item No.	Unit	Quantity	Item Description:	Unit	Extension
208	LF	1201	Pavement Marking Removal - Striping		
209	LF	156	Pavement Marking Removal - Stop Bar		
210	EACH	20	Pavement Marking Removal - Symbol		
211	EACH	165	Type III Barricades		
212	EACH	6	Flashing Arrow Panels		
213	EACH	6	Changeable Message Signs		
			LANDSCAPE ITEMS		
214	SY	5000	FESCUE TURF SOD		
215	SF	911939	TURF GRASS - KCMO Std. Seeding Mix #1		
216	EACH	127	DECIDUOUS TREE - 2" cal.		
217	EACH	264	DECIDUOUS TREE - 1.5" cal.		
218	EACH	9	EVERGREEN TREE - 6-7' ht.		
219	EACH	622	SHRUB - 5 gal.		
220	EACH	715	PERENNIAL - 1 gal.		
221	EACH	3769	GRASS - 1 gal.		
222	LF	4795	CONCRETE MOW STRIP - 8" wide X 6" high		
223	LF	408	LIMESTONE WEIR - 14" high x 2' wide x 3' long		
224	EACH	28	LIMESTONE POST ROCK - 6' high x 1' wide x 1' long		
225	CY	9000	Topsoil		
226	SY	100	Coldmilling for Bituminous Overlay (2")		
			Total Unit Prices: (LAST PAGE ONLY)		TOTAL \$

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.