

HANLEY INDUSTRIAL COURT IMPROVEMENTS – ADDENDUM #1
City of Brentwood, MO
Federal Project STP-5577(632)
August 11, 2017

This addendum is hereby made part of the contract documents of the above referenced project. This addendum supplements and/or amends the originally issued documents and all related addenda.

Attachments:

- Revised Bid Form
 - o Item number 9029100 Concrete Base for Light Poles and Metered Pedestal: Quantity was updated to 19 CY.
- Sheet 2A and 2B revised to reflect the updated quantity.
- Sheet 16 revised light pole callouts.
- Sheet 17 revised light pole callouts.
- Sheet 19 revised Metered Lighting Pedestal Detail.

ACKNOWLEDGEMENT OF ADDENDUM #1

The bidder will acknowledge receipt of this Addendum and acceptance of its conditions by signing this Addendum and including it with the bid.

SIGNATURE: _____

TITLE: _____

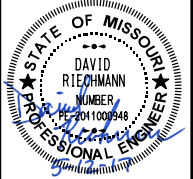
COMPANY: _____

DATE: _____

Itemized Bid Form						
City of Brentwood - Hanley Industrial Court Improvements STP-5577(632)						
LINE NUMBER	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
		ROADWAY ITEMS:				
1	2013000	CLEARING AND GRUBBING	L.S.	1		
2	2022010	REMOVAL OF IMPROVEMENTS	L.S.	1		
3	2031000	CLASS 'A' EXCAVATION	C.Y.	1235		
4	2036000	COMPACTING EMBANKMENT	C.Y.	60		
5	3040504	TYPE 5 AGGREGATE BASE (4" THICK)	S.Y.	1843		
6	4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TONS	96		
7	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TONS	191		
8	4071005	TACK COAT	GAL	44		
9	5021107	CONCRETE PAVEMENT (7" NON-REINFORCED)	S.Y.	553.1		
10	6039902	ADJUST TO GRADE WATER VALVE	EACH	8		
11	6039903	ADJUST TO GRADE WATER METER	EACH	3		
12	6039932	ADJUST TO GRADE GAS VALVE	EACH	2		
13	6042010	ADJUSTING MANHOLE	EACH	4		
14	6042020	ADJUSTING BASIN OR INLET	EACH	6		
15	6049902	ADJUST TO GRADE UTILITY VAULT	EACH	4		
16	6049903	ADJUST TO GRADE UTILITY RISER	EACH	3		
17	6093010	ASPHALT CURB	L.F.	65		
18	6099901	CONCRETE CURB & GUTTER, VERTICAL	L.F.	734		
19	6099902	CONCRETE GUTTER	L.F.	80		
20	6091010	CONCRETE CURB, (6 IN. HEIGHT AND UNDER), TYPE S	L.F.	46		
21	609XXX	6" CONCRETE CURB, PINNED	L.F.	289		
22	6169901	CONSTRUCTION SIGNS	L.S.	1		
23	6169902	CHANNELIZERS	L.S.	1		
24	6181000	MOBILIZATION	L.S.	1		
25	6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1		
26	7123599	ALUMINUM RAILING	L.F.	34		
27	7209904	MODULAR BLOCK RETAINING WALL	S.F.	536		
28	7269901	CONVERT GRATE INLET TO CURB INLET	EACH	1		
29	7269902	CONVERT DOUBLE GRATE INLET TO DOUBLE CURB INLET	EACH	1		
30	8061007A	CURB INLET CHECK	EACH	24		
					Subtotal	
		PEDESTRIAN FACILITIES:				
31	6081010	CONCRETE SIDEWALK CURB RAMP (7" THICK)	S.Y.	94		
32	6086004	CONCRETE SIDEWALK (4" THICK)	S.Y.	1575		
33	6092011	INTEGRAL CURB, (6 IN. HEIGHT AND UNDER), TYPE A	L.F.	477		

34	6092021	INTEGRAL CURB, (OVER 6 IN. HEIGHT), TYPE A	L.F.	453		
					Subtotal	
		LIGHTING ITEMS:				
35	9017401	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 NEUTRAL, 2AWG	L.F.	120		
36	9017407	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE GROUND, 10AWG	L.F.	3200		
37	9019902	66W LED LIGHT FIXTURE WITH 10' DECORATIVE POLE	EACH	35		
38	9019904	10' X 3/4" COPPER CLAD GROUND ROD	EACH	37		
39	9019906	100A, 120/240V, METERED LIGHTING PEDESTAL	EACH	2		
40	9029100	CONCRETE BASE FOR LIGHT POLES, METERED PEDESTAL	C.Y.	19		
					Subtotal	
		LANDSCAPE/STREETSCAPING ITEMS:				
41	8031000A	TURF TYPE TALL FESCUE SODDING	S.Y.	1668		
42	8069902	IRRIGATION LINE REPLACEMENT	L.F.	400		
43	8069903	IRRIGATION HEAD REPLACEMENT	EACH	15		
					Subtotal	
TOTAL	WRITTEN:		NUMBERS:			

SUMMARY OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
	ROADWAY ITEMS:		
2013000	CLEARING AND GRUBBING	L.S.	1
2022010	REMOVAL OF IMPROVEMENTS	L.S.	1
2031000	CLASS 'A' EXCAVATION	C.Y.	1235
2036000	COMPACTING EMBANKMENT	C.Y.	60
3040504	TYPE 5 AGGREGATE BASE (4" THICK)	S.Y.	1843
4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TONS	96
4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TONS	191
4071005	TACK COAT	GAL	44
5021107	CONCRETE PAVEMENT (7" NON-REINFORCED)	S.Y.	553.1
6039902	ADJUST TO GRADE WATER VALVE	EACH	8
6039903	ADJUST TO GRADE WATER METER	EACH	3
6039932	ADJUST TO GRADE GAS VALVE	EACH	2
6042010	ADJUSTING MANHOLE	EACH	4
6042020	ADJUSTING BASIN OR INLET	EACH	6
6049902	ADJUST TO GRADE UTILITY VAULT	EACH	4
6049903	ADJUST TO GRADE UTILITY RISER	EACH	3
6093010	ASPHALT CURB	L.F.	65
6099901	CONCRETE CURB & GUTTER, VERTICAL	L.F.	734
6099902	CONCRETE GUTTER	L.F.	80
6091010	CONCRETE CURB, (6 IN. HEIGHT AND UNDER), TYPE S	L.F.	46
609XXXX	6" CONCRETE CURB, PINNED	L.F.	289
6169901	CONSTRUCTION SIGNS	L.S.	1
6169902	CHANNELIZERS	L.S.	1
6181000	MOBILIZATION	L.S.	1
6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1
7123599	ALUMINUM RAILING	L.F.	34
7209904	MODULAR BLOCK RETAINING WALL	S.F.	536
7269901	CONVERT GRATE INLET TO CURB INLET	EACH	1
7269902	CONVERT DOUBLE GRATE INLET TO DOUBLE CURB INLET	EACH	1
8061007A	CURB INLET CHECK	EACH	24
	PEDESTRIAN FACILITIES:		
6081010	CONCRETE SIDEWALK CURB RAMP (7" THICK)	S.Y.	94
6086004	CONCRETE SIDEWALK (4" THICK)	S.Y.	1575
6092011	INTEGRAL CURB, (6 IN. HEIGHT AND UNDER), TYPE A	L.F.	477
6092021	INTEGRAL CURB, (OVER 6 IN. HEIGHT), TYPE A	L.F.	453
	LIGHTING ITEMS:		
9017401	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 NEUTRAL, 2AWG	L.F.	120
9017407	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE GROUND, 10AWG	L.F.	3200
9019902	66W LED LIGHT FIXTURE WITH 10' DECORATIVE POLE	EACH	35
9019904	10' X 3/4" COPPER CLAD GROUND ROD	EACH	37
9019906	100A, 120/240V, METERED LIGHTING PEDESTAL	EACH	2
9029100	CONCRETE BASE FOR LIGHT POLES, METERED PEDESTAL	C.Y.	19
	LANDSCAPE/STREETSCAPING ITEMS:		
8031000A	TURF TYPE TALL FESCUE SODDING	S.Y.	1668
8069902	IRRIGATION LINE REPLACEMENT	L.F.	400
8069903	IRRIGATION HEAD REPLACEMENT	EACH	15



NAME:	DAVID R. RIECHMANN
DISCIPLINE:	ENGINEER
LICENSE NO.:	PL-201100048
EXPIRATION DATE:	12-31-17
DATE PREPARED	
8/10/2017	
ROUTE	STATE
	MO
DISTRICT	SHEET NO.
SL	2A
COUNTY	
ST. LOUIS	
JOB NO.	
1519900	
FEDERAL PROJECT NO.	
STP-5577(632)	
MSD BASEMAP	
20K3	
MSD P-NUMBER	
0031190-00	

DATE	8-9-17	DESCRIPTION				
		ADDENDUM 1				



401 S. 18TH ST., STE. 400 SAINT LOUIS, MO 63103-2296

314-531-4321 • FAX 314-531-8986 • WWW.HORNERSHIFRIN.COM

DISTRICT ENGINEERING

CERTIFICATE OF AUTHORITY: 000169

EXPIRATION DATE: DECEMBER 31, 2018

HANLEY INDUSTRIAL COURT

SUMMARY OF QUANTITIES

MODULAR BLOCK RETAINING WALL						
WALL	STATION	STATION	LOCATION	SIDE	RETAINING WALL	REMARKS
					AREA (SF)	
A	10+50.00	11+70.00	HANLEY INDUSTRIAL CT.	RT	309.0	
B	44+30.86	45+15.79	STRASSNER DR	LT	227.0	
				TOTALS	536.0	
				USE	536	

ALUMINUM RAILING					
STATION	STATION	LOCATION	SIDE	ALUMINUM RAILING	REMARKS
				LENGTH (LF)	
44+43.00	45+13.00	STRASSNER DR	LT	34.0	
			TOTALS	34.0	
			USE	34	

IRRIGATION				
LOCATION	SIDE	IRRIGATION LINE REPLACEMENT	IRRIGATION HEAD REPLACEMENT	REMARKS
		LENGTH (LF)	EACH (EA)	
HANLEY INDUSTRIAL CT.	RT	400	15	USE ONLY AS DIRECTED BY THE ENGINEER
	TOTALS	400	15	
	USE	400	15	

LIGHTING								
LOCATION		CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 NEUTRAL, 2AWG	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE GROUND, 10AWG	66W LED LIGHT FIXTURE WITH 10' DECORATIVE POLE	10' X 3/4" COPPER CLAD GROUND ROD	100A, 120/240V, METERED LIGHTING PEDESTAL	CONCRETE BASE FOR LIGHT POLES, METERED PEDESTAL	REMARKS
		LENGTH (LF)	LENGTH (LF)	EACH (EA)	EACH (EA)	EACH (EA)	VOLUME (CY)	
HANLEY INDUSTRIAL CT.		120	3200	35	37	2	19	USE ONLY AS DIRECTED BY THE ENGINEER
	TOTALS	120	3200	35	37	2	19	
	USE	120	3200	35	37	2	19	

EROSION CONTROL		
LOCATION	CURB INLET CHECK	REMARKS
	EACH (EA)	
HANLEY INDUSTRIAL COURT	24	
TOTAL	24	
USE	24	

SODDING		
LOCATION	TURF TYPE TALL FESCUE SODDING	REMARKS
	AREA (SY)	
HANLEY INDUSTRIAL COURT	1668.0	
TOTAL	1668.0	
USE	1668	

MOBILIZATION
LUMP SUM = 1

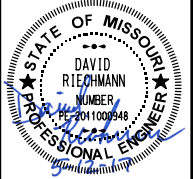
REMOVAL OF IMPROVEMENTS
LUMP SUM = 1

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM = 1

CONSTRUCTION SIGNS
LUMP SUM = 1

CLEARING AND GRUBBING
LUMP SUM = 1

CHANNELIZERS
LUMP SUM = 1

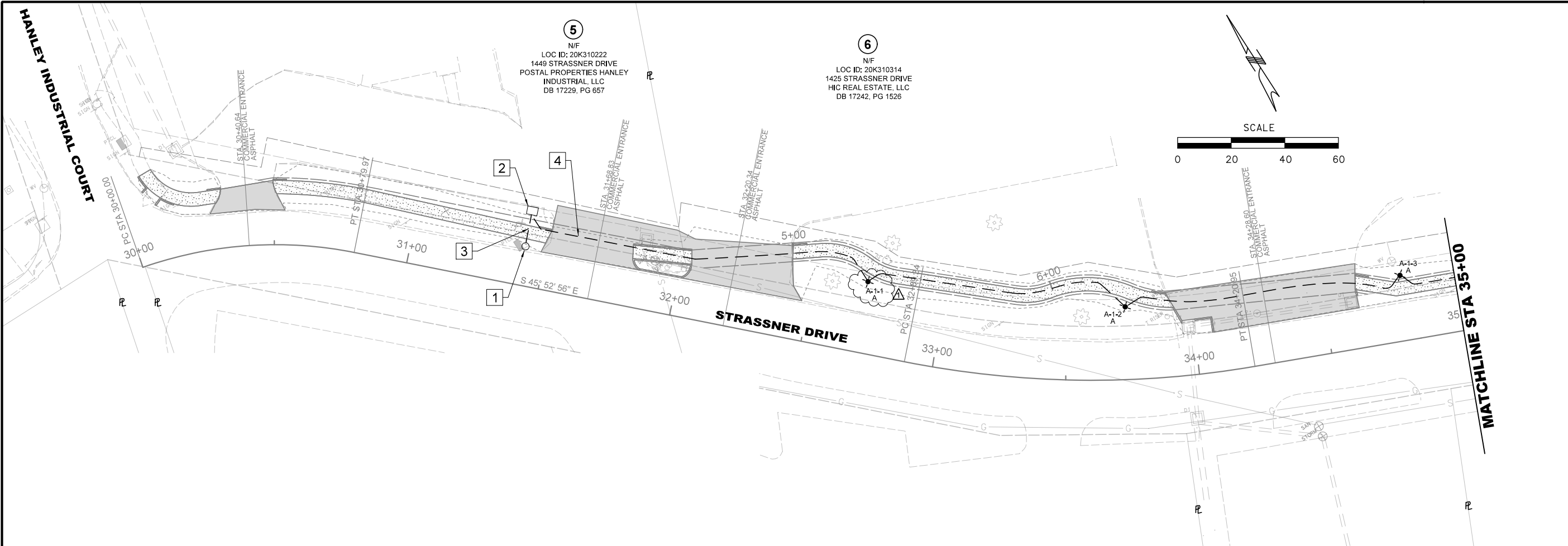


NAME: DAVID R. RIECHMANN	ENGINEER
DISCIPLINE: ENGINEER	PL-201100048
LICENSE NO. PL-201100048	EXPIRATION DATE: 12-31-17
DATE PREPARED: 8/10/2017	
ROUTE	STATE
	MO
DISTRICT	SHEET NO.
SL	2B
COUNTY	
ST. LOUIS	
JOB NO.	
1519900	
FEDERAL PROJECT NO.	
STP-5577(632)	
MSD BASEMAP	
20K3	
MSD P-NUMBER	
0031190-00	

DATE	DESCRIPTION	ADDENDUM 1							
8-9-17									



HANLEY INDUSTRIAL COURT
SCHEDULE OF QUANTITIES

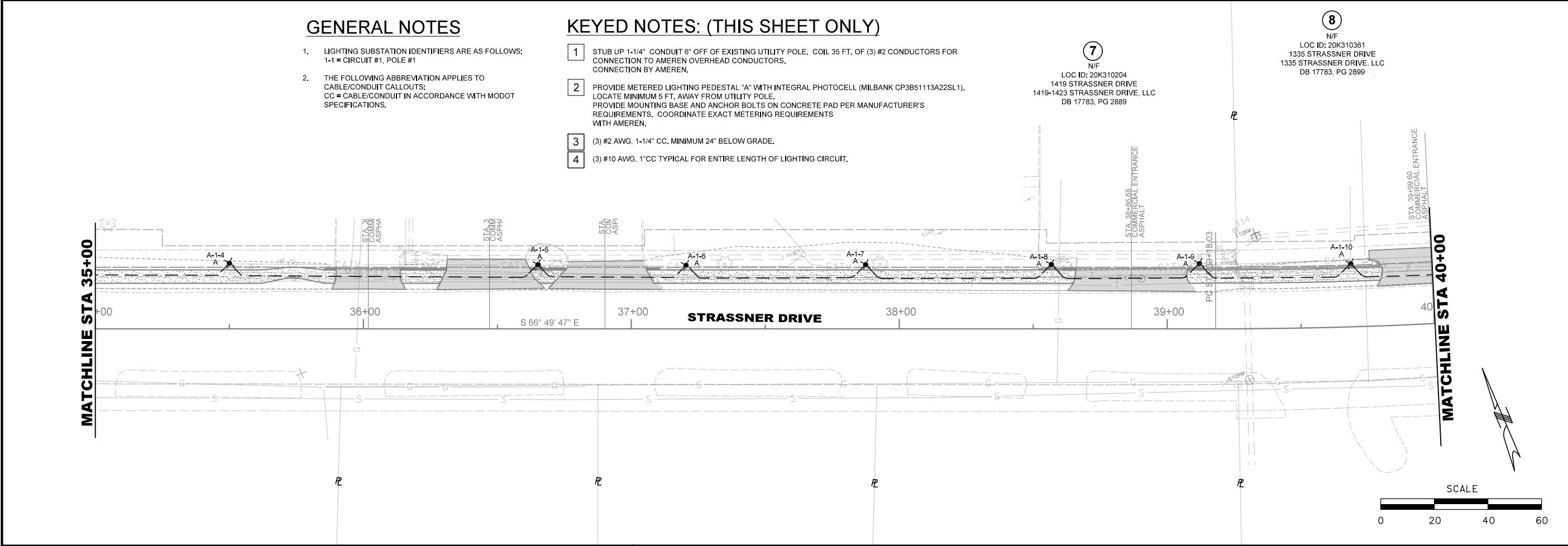


GENERAL NOTES

1. LIGHTING SUBSTATION IDENTIFIERS ARE AS FOLLOWS:
1-1 = CIRCUIT #1, POLE #1
2. THE FOLLOWING ABBREVIATION APPLIES TO
CABLE/CONDUIT CALLOUTS:
CC = CABLE/CONDUIT IN ACCORDANCE WITH MODOT
SPECIFICATIONS.

KEYED NOTES: (THIS SHEET ONLY)

- 1 STUB UP 1-1/4" CONDUIT 6" OFF OF EXISTING UTILITY POLE. COIL 35 FT. OF (3) #2 CONDUCTORS FOR CONNECTION TO AMEREN OVERHEAD CONDUCTORS. CONNECTION BY AMEREN.
- 2 PROVIDE METERED LIGHTING PEDESTAL "A" WITH INTEGRAL PHOTOCELL (MILBANK CP3B51113A22SL1). LOCATE MINIMUM 5 FT. AWAY FROM UTILITY POLE. PROVIDE MOUNTING BASE AND ANCHOR BOLTS ON CONCRETE PAD PER MANUFACTURER'S REQUIREMENTS. COORDINATE EXACT METERING REQUIREMENTS WITH AMEREN.
- 3 (3) #2 AWG, 1-1/4" CC, MINIMUM 24" BELOW GRADE.
- 4 (3) #10 AWG, 1"CC TYPICAL FOR ENTIRE LENGTH OF LIGHTING CIRCUIT.



STATE OF MISSOURI

MARK H. KUHLMAN

Professional Engineer

NAME: MARK H. KUHLMAN
DISCIPLINE: ENGINEER
LICENSE NO. PE-2017000321
EXPIRATION DATE: 12-31-19

DATE PREPARED: 8/10/2017

ROUTE: STATE: MO

DISTRICT: SL SHEET NO.: 16

COUNTY: ST. LOUIS

JOB NO.: 1519900

FEDERAL PROJECT NO.: STP-5577(632)

MSD BASEMAP: 20K3

MSD P-NUMBER: 0031190-00

DESCRIPTION

ADDENDUM 1

DATE

8-9-17

HORNER SHIFRIN

401 S. 18TH ST., STE. 400 SAINT LOUIS, MO 63103-2296
314-531-4321 • FAX 314-531-8866 • WWW.HORNERSHIFRIN.COM
DESIGN PROFESSIONAL ENGINEERING
CERTIFICATE OF AUTHORITY: 000169
EXPIRATION DATE: DECEMBER 31, 2018

BRENTWOOD

CITY OF WARRENTON

HANLEY INDUSTRIAL COURT

LIGHTING SHEET

SHEET 2 OF 4

REV.

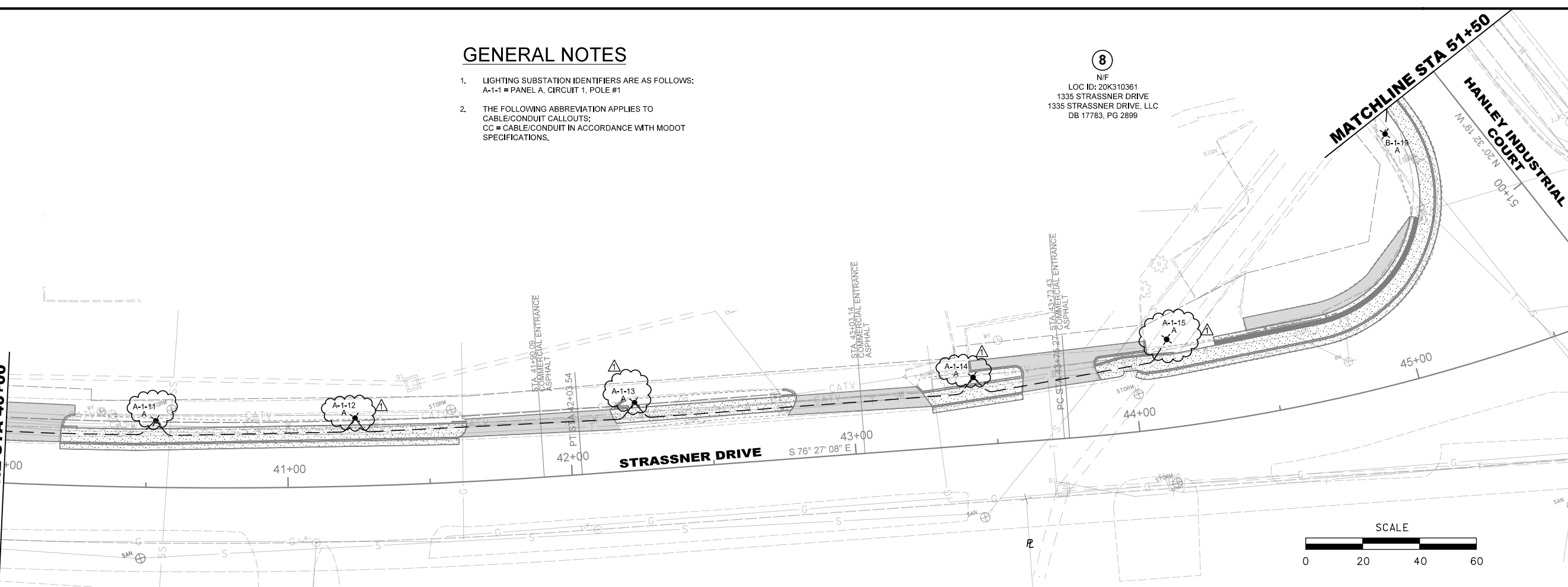
...X016_Plan-Plan Lighting.dgn 11:35:55 AM 8/10/2017

GENERAL NOTES

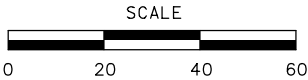
1. LIGHTING SUBSTATION IDENTIFIERS ARE AS FOLLOWS:
A-1-1 = PANEL A, CIRCUIT 1, POLE #1
2. THE FOLLOWING ABBREVIATION APPLIES TO
CABLE/CONDUIT CALLOUTS:
CC = CABLE/CONDUIT IN ACCORDANCE WITH MODOT
SPECIFICATIONS.

8
N/F
LOC ID: 20K310361
1335 STRASSNER DRIVE
1335 STRASSNER DRIVE, LLC
DB 17783, PG 2899

MATCHLINE STA 40+00

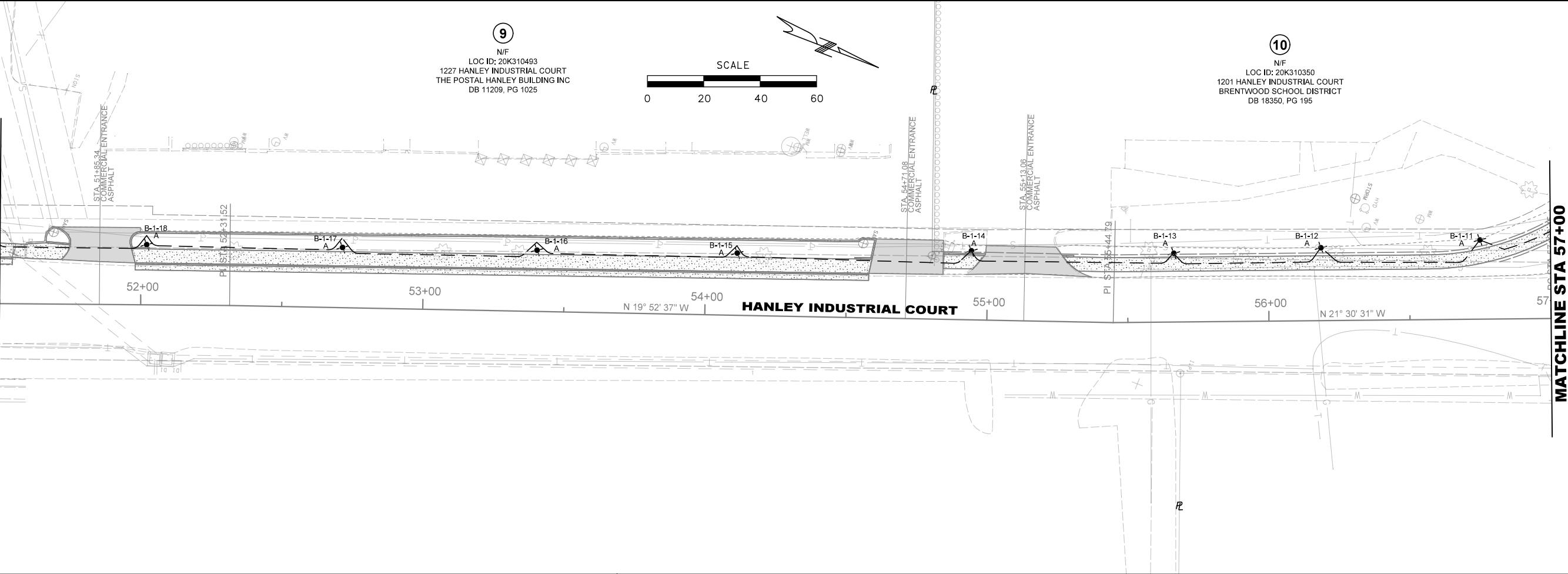


9
N/F
LOC ID: 20K310493
1227 HANLEY INDUSTRIAL COURT
THE POSTAL HANLEY BUILDING INC
DB 11209, PG 1025



10
N/F
LOC ID: 20K310350
1201 HANLEY INDUSTRIAL COURT
BRENTWOOD SCHOOL DISTRICT
DB 18350, PG 195

MATCHLINE STA 51+50



MATCHLINE STA 57+00

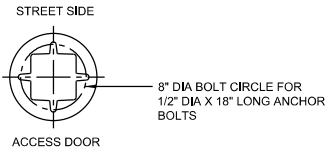
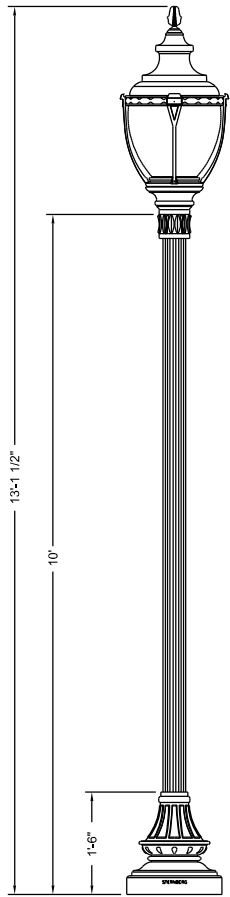


NAME:	MARK H. KUHLMAN
DISCIPLINE:	ENGINEER
LICENSE NO.:	PE-2017000321
EXPIRATION DATE:	12-31-18
DATE PREPARED:	8/10/2017
ROUTE:	MO
DISTRICT:	SL
SHEET NO.:	17
COUNTY:	ST. LOUIS
JOB NO.:	1519900
FEDERAL PROJECT NO.:	STP-5577(632)
MSD BASEMAP:	20K3
MSD P-NUMBER:	0031190-00

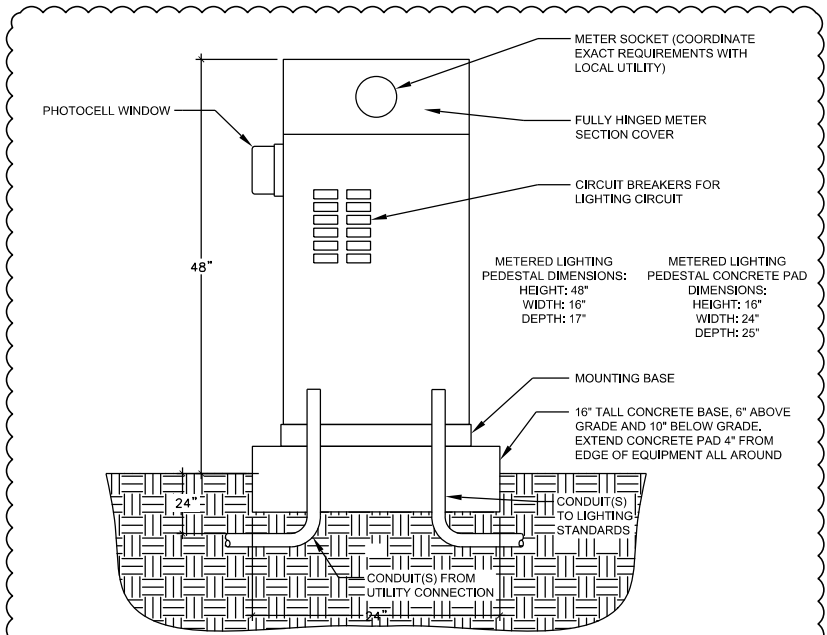
DATE	DESCRIPTION
8-9-17	ADDENDUM 1



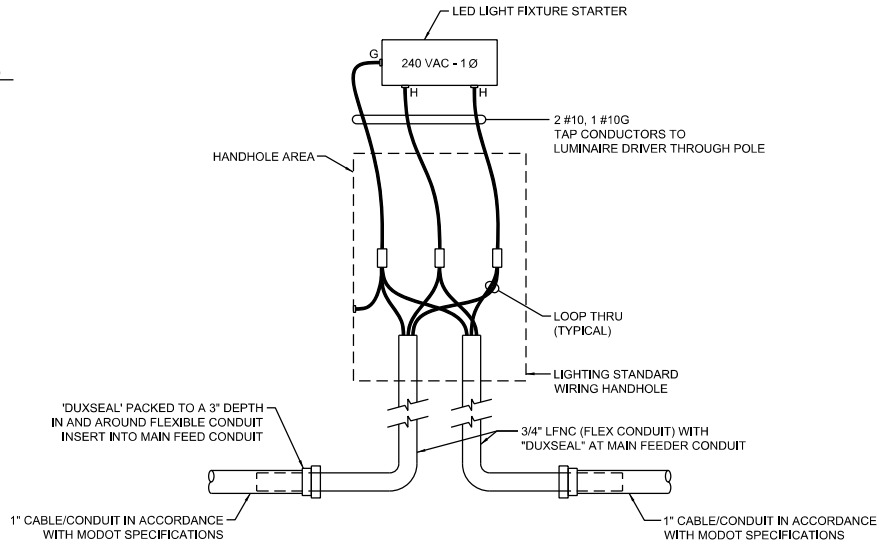
HANLEY INDUSTRIAL COURT
LIGHTING SHEET
SHEET 3 OF 4



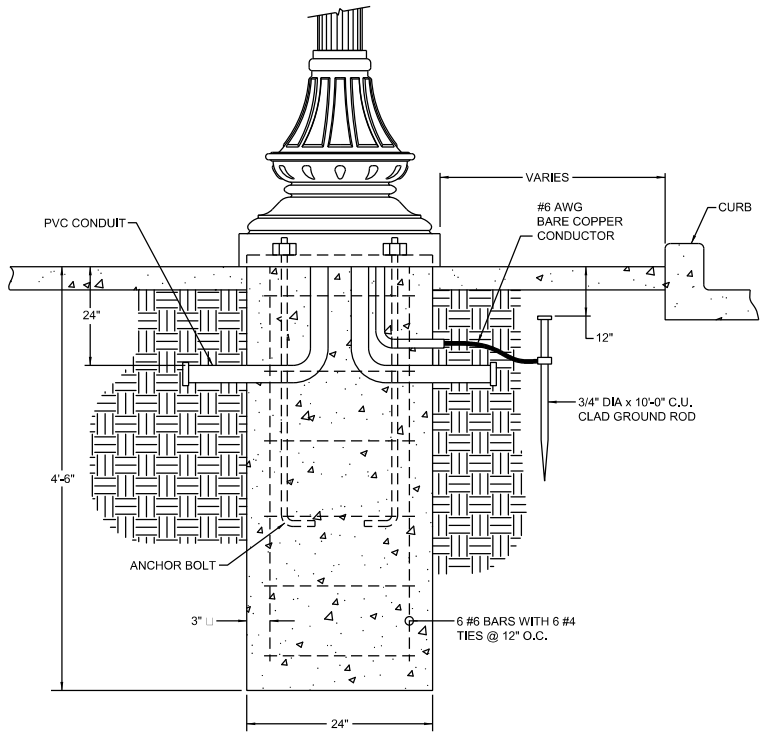
POLE DETAIL
SCALE: N.T.S.



METERED LIGHTING PEDESTAL DETAIL
SCALE: N.T.S.



STREET LIGHTING WIRING DIAGRAM
SCALE: N.T.S.



POLE BASE MOUNTING DETAIL
SCALE: N.T.S.

LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG	LAMPS TYPE	INPUT WATTS	FINISH	MOUNTING	REMARKS
A	STERNBERG	A880ASRLD/5PBD4PT/4210FP4/4ARC45T3/MLBKT	LED COLOR 4500K	66	BLACK	POLE	TYPE 3 DISTRIBUTION, 4" FLUTED 10' TALL ALUMINUM POLE.

EQUIVALENT FIXTURES AS MANUFACTURED BY LITHONIA, DAYBRITE, HUBBELL, COOPER & LSI PLUS WILL BE ACCEPTABLE UPON APPROVAL OF SPECIFIC MODEL NUMBERS BY ENGINEER.



NAME: MARK H. KUHLMAN	
DISCIPLINE: ENGINEER	
LICENSE NO. PE-2017000321	
EXPIRATION DATE: 10-23-18	
DATE PREPARED: 8/10/2017	
ROUTE	STATE
SL	MO
DISTRICT	SHEET NO.
SL	19
COUNTY	
ST. LOUIS	
JOB NO.	
1519900	
FEDERAL PROJECT NO.	
STP-5577(632)	
MSD BASEMAP	
20K3	
MSD P-NUMBER	
0031190-00	

DATE	DESCRIPTION
8-9-17	ADDENDUM 1



HORNER SHIFRIN
401 S. 18TH ST., STE. 400 SAINT LOUIS, MO 63103-2296
314-531-4321 • FAX 314-531-8868 • WWW.HORNERSHIFRIN.COM
DISTRICT ENGINEER
CERTIFICATE OF AUTHORITY: 000169
EXPIRATION DATE: DECEMBER 31, 2018

HANLEY INDUSTRIAL COURT
LIGHTING DETAILS
SHEET 1 OF 1