

Contract Addendum



Addendum No.: 1

Issue Date of Addendum: Monday, January 14, 2019

Issued by: Kevin Ostermiller (kostermiller@twm-inc.com)

Contract Name: WILDWOOD - Manchester Road Streetscape Phase 3

TWM Project No.: 140229

To: ALL BIDDERS AND HOLDERS OF CONTRACT DOCUMENTS

This Addendum comprises part of the Contract Documents and modifies the original Contract Plans and Specifications for the subject Contract. Bidders are advised to acknowledge receipt of this Addendum in the space provided in the Bid Form Document.

FAILURE TO MAKE THIS ACKNOWLEDGEMENT MAY SUBJECT BIDDER TO DISQUALIFICATION.

Thouvenot, Wade & Moerchen, Inc.

OFFICE OF ORIGINATION

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Addendum Information/Clarifications/Instructions for Bidders

1. Revised - One (1) conduit for each Ameren cross road crossing is sufficient. See Quantity (QU) Sheet 8 of 18 & Lighting Plan Sheets 48-50 (LT Sheets 1-3 of 3).
2. Revised - Schedule 40 PVC will be used for all Ameren and Charter conduit in accordance with Ameren specifications. Schedule 40 PVC or HDPE will be allowed for the City of Wildwood's lighting conduit. See Quantity (QU) Sheet 8 of 18 & Lighting Plan Sheets 48-50 (LT Sheets 1-3 of 3).
3. Ameren Premise Number 012907030 added. See Lighting Plan Sheet 49 (LT Sheet 2 of 3).
4. Impervious concrete curb ramp quantity includes median cut-through only. Pervious Curb Ramps within pervious sidewalk limits included in "Pervious Concrete Sidewalk, 4 IN.". See Quantity (QU) Sheets 12-17 of 18.
5. Beehive Inlet Grates to be a Neenah R-2560-E Beehive Grate with Frame, J.R. Hoe and Sons MCB-350 Frame with Type BH Grate, or EJ 1125 Frame with 1130 Type O2 Beehive Grate. See Quantity (QU) Sheet 4 of 18.
6. Lighting conduit to be installed underneath the pervious pavement, shall be installed outside of the pervious sidewalk's clean stone. See Lighting Plan Sheets 48-50 (LT Sheets 1-3 of 3).
7. Revised - Manholes to be adjusted requiring locking lids shown. See Quantity (QU) Sheet 1 of 18.
8. Revised - The Small Block retaining wall pay item unit updated to SF. See Revised Bid Sheets.

Addendum Information/Clarifications/Instructions for Bidders (cont'd)

9. Revised - The excavation for the asphalt parking lots is included in earthwork quantities where cross sections are present. Other locations included in linear grading. Quantity added for linear grading. See Quantity (QU) Sheet 7 of 18. See Revised Bid Sheets.

10. Revised - All fees/costs associated with the Ameren UE requirements shall be included in the bid price of "Decorative Street Lighting". See Lighting Plan Sheet 49 (LT Sheet 2 of 3).

11. Revised - The Topsoil pay item unit updated to CY. See Quantity (QU) Sheet 7 of 18.

ITEMIZED BID FORM
STP-5536(610) MANCHESTER ROAD STREETScape PHASE 3
City of Wildwood, Missouri



REVISED

ITEM #	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	TOTAL
ROADWAY ITEMS					
202-20.10	REMOVAL OF IMPROVEMENTS	LS		1	
203-10.00	CLASS A EXCAVATION	CY		4970	
203-60.00	COMPACTING EMBANKMENT	CY		4255	
203-70.75	COMPACTING IN CUT	STA		27.7	
206-30.00	CLASS 3 EXCAVATION	CY		1410	
207-10.00	LINEAR GRADING, CLASS 1	STA		11.8	
304-01.83	TYPE 1 AGGREGATE FOR BASE (8 IN. THICK)	SY		1916	
304-05.04	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	SY		3429	
310-10.02	GRAVEL (A)	TONS		25	
401-01.07	7 INCHES, BITUMINOUS PAVEMENT	SY		1255.4	
401-12.09	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TONS		311.0	
401-30.00	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TONS		575.0	
403-01.09	ASPHALTIC CONCRETE MIXTURE PG70-22 (SP125CLP)	TONS		1396.4	
407-99.12	MISC., POLYMER MODIFIED EMULSION MEMBRANE	GAL		1872	
502-40.08	CONCRETE BASE (8 IN. NON-REINFORCED)	SY		1328.7	
502-99.05	MISC., PERVIOUS CONCRETE PAVEMENT, 8 IN. THICK	SY		1681.0	
608-50.07	PAVED APPROACH, 7 IN.	SY		1593.8	
609-10.10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF		3520	
609-20.12	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B	LF		3023	
616-99.01	MISC., TEMPORARY TRAFFIC CONTROL	LS		1	
616-10.98	CHANGEABLE MESSAGE SIGN, WITHOUT COMM. INTERFACE, CONTRACTOR FURN./RET.	EA		2	
618-10.00	MOBILIZATION	LS		1	
619-10.00	PAVEMENT EDGE TREATMENT	LF		5546	
622-10.01	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)	SY		9911	
627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS		1	
720-99.03	SMALL-BLOCK RETAINING WALL	SF		25	
803-30.00	K-31 TALL FESCUE SODDING	SY		3943	
804-10.00	TOPSOIL	CY		1120	
806-10.05	ROCK DITCH CHECK	LF		174	
806-10.07A	CURB INLET CHECK	EA		23	
806-10.16	SEDIMENT REMOVAL	CY		64	
806-10.19	SILT FENCE	LF		3456	
ROADWAY ITEMS SUB-TOTAL =					

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STP-5536(610) MANCHESTER ROAD STREETScape PHASE 3
City of Wildwood, Missouri



REVISED

ITEM #	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	TOTAL
DRAINAGE/UTILITY ITEMS					
206-99.07	MISC., SELECT GRANULAR BACKFILL FOR DRAINAGE SYSTEMS	CY		1082	
304-99.10	MISC., 2 IN. CLEAN CRUSHED STONE (OPEN GRADED)	TON		4092	
604-99.02	WATER (ADJUSTING WATER VALVE)	EA		7	
604-99.02	SEWER (ADJUSTING CLEAN OUT)	EA		1	
604-99.02	GAS (ADJUSTING GAS VALVE)	EA		2	
604-20.10	ADJUSTING MANHOLE	EA		10	
604-40.11	PIPE COLLAR, TYPE A	EA		1	
604-99.01	MISC., GRATED TRENCH DRAIN WITH PAN	LS		1	
604-99.02	MISC., OBSERVATION WELLS	EA		46	
604-99.05	MISC., MSD TYPE 4 FILTER FABRIC	SY		8470	
605-99.03	MISC., UNDERDRAIN 6 IN. PERFORATED RIGID SCHEDULE 40	LF		8047	
609-70.00	ROCK LINING	CY		21	
726-99.02	MISC., 12 IN. CLASS III PRECAST CONCRETE FLARED END SECTION	EA		1	
726-99.02	MISC., 18 IN. CLASS III PRECAST CONCRETE FLARED END SECTION	EA		1	
726-99.03	MISC., 12 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT	LF		1717	
726-99.03	MISC., 15 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT	LF		363	
726-99.03	MISC., 18 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT	LF		742	
730-99.03	MISC., 12 IN. PVC PIPE	LF		36	
731-99.02	MISC., PRECAST GRATE INLET - 42 IN.	EA		1	
731-99.02	MISC., PRECAST CURB INLET - 42 IN.	EA		9	
731-99.02	MISC., PRECAST AREA INLET - 42 IN.	EA		13	
731-99.02	MISC., PRECAST CONCRETE MANHOLE - 42 IN.	EA		5	
731-99.02	MISC., PRECAST CONCRETE MANHOLE - 48 IN.	EA		9	
731-99.02	MISC., PRECAST CONCRETE MANHOLE - 60 IN.	EA		1	
731-99.02	MISC., HYDRO - DYNAMIC SEPARATOR, 4 FT. DIAMETER	EA		2	
	DRAINAGE ITEMS SUB-TOTAL =				

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 City of Wildwood, Missouri



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ITEM #	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	TOTAL
SIGNING/STRIPING/LIGHTING ITEMS					
604-99.01	MISC., AMEREN AND SPECTRUM UNDERGROUND CONDUIT SYSTEM	LS		1	
616-99.01	MISC., ACCESSIBLE SIGNAGE	LS		1	
620-00.09	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6 IN. WHITE	LF		345	
620-00.15	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE	LF		452	
620-00.18	PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. YELLOW	LF		117	
620-60.00C	4 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF		9008	
620-60.01C	4 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS	LF		5698	
620-99.02	PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE SYMBOL AND ARROW (WHITE)	EA		22	
620-99.02	PREFORMED THERMOPLASTIC PAVEMENT MARKING, ACCESSIBLE PARKING SYMBOL (WHITE)	EA		3	
620-99.02	PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE SHARED LANE MARKING (WHITE)	EA		4	
901-99.02	MISC., DECORATIVE STREET LIGHT	EA		34	
903-99.02	MISC., DECORATIVE STREET POST, TYPE 1	EA		6	
903-99.02	MISC., DECORATIVE STREET POST, TYPE 2	EA		22	
903-99.01	MISC., SIGN ON PRIVATE PROPERTY	LS		1	
	SIGNING/STRIPING/LIGHTING ITEMS SUB-TOTAL =				

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 City of Wildwood, Missouri

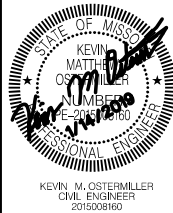


ITEM #	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	TOTAL
BICYCLE/PEDESTRIAN FACILITIES/LANDSCAPING ITEMS					
608-10.10	CONCRETE CURB RAMP	SY		12	
608-10.12	TRUNCATED DOMES	SF		470	
608-60.04	CONCRETE SIDEWALK, 4 IN.	SY		113	
608-99.01	MISC., CONCRETE STAIRS AND HANDRAILS	LS		1	
608-99.02	MISC., BIKE RACK	EA		2	
608-99.02	MISC., PLANTER	EA		5	
608-99.05	MISC., PERVIOUS CONCRETE SIDEWALK, 4 IN. THICK	SY		4406	
608-99.05	MISC., PERVIOUS COLORED CONCRETE SIDEWALK, 4 IN.	SY		548	
608-99.05	MISC., CROSSWALK STAMPED CONCRETE	SY		153	
803-99.05A	MISC., SODDING	SY		1935	
804-99.07A	MISC., PLANT SOIL MIX	CY		330	
805-99.19	MISC., SEEDING	ACRE		0.3	
808-05.20	MISC., GROW-LOW SUMAC	EA		248	
808-99.02	MISC., BUTTERFLY WEED	EA		132	
808-99.02	MISC., ELIJAH BLUE FESCUE	EA		768	
808-99.02	MISC., MAIDEN GRASS	EA		49	
808-99.02	MISC., BLACK-EYED SUSAN	EA		150	
808-99.02	MISC., COMPACT ANDORRA JUNIPER	EA		344	
808-99.02	MISC., PYRAMIDAL HORNBEAM	EA		60	
808-99.02	MISC., GREEN VASE ZELKOVA	EA		30	
	BICYCLE/PEDESTRIAN FACILITIES/ LANDSCAPING ITEMS SUB-TOTAL =				
	CONSTRUCTION TOTAL =				

REMOVAL OF IMPROVEMENTS = 1 LUMP SUM
CONTRACTOR FURNISHED SURVEYING AND STAKING = 1 LUMP SUM
MOBILIZATION = 1 LUMP SUM
TEMPORARY TRAFFIC CONTROL = 1 LUMP SUM
GRATED TRENCH DRAIN WITH PAN = 1 LUMP SUM
ACCESSIBLE SIGNAGE = 1 LUMP SUM
CONCRETE STAIRS AND HANDRAIL = 1 LUMP SUM
AMEREN AND SPECTRUM UNDERGROUND CONDUIT SYSTEM = 1 LUMP SUM
SIGN ON PRIVATE PROPERTY = 1 LUMP SUM

UTILITY ADJUSTMENTS								
SHEET	STATION	OFFSET	ROUTE	ADJUSTING WATER VALVE (EACH)	ADJUSTING CLEAN OUT (EACH)	ADJUSTING GAS VALVE (EACH)	ADJUSTING MANHOLE (EACH)	REMARKS
MANCHESTER ROAD								
PN-1	101+54.18	29.04	MAN	1				
PN-1	101+61.44	-33.94	MAN	1				
PN-2	105+20.10	15.74	MAN	1				
PN-2	107+16.21	-32.15	MAN	1				
PN-2	108+56.02	32.52	MAN	1				
PN-2	108+56.55	21.59	MAN	1				
PN-4	1116+74.09	19.32	MAN	1				
PN-1	101+58.30	-32.50	MAN		1			
PN-2	104+66.88	-20.25	MAN			1		
PN-5	121+21.05	-20.62	MAN			1		
PN-1	102+18.51	30.08	MAN				1	
PN-1	102+40.18	-20.69	MAN				1	LOCKING LID REQUIRED
PN-1	103+81.19	-21.25	MAN				1	
PN-2	104+20.47	-21.21	MAN				1	LOCKING LID REQUIRED
PN-2	104+45.90	-21.40	MAN				1	LOCKING LID REQUIRED
PN-2	106+08.70	-22.52	MAN				1	LOCKING LID REQUIRED
PN-2	106+89.83	-23.84	MAN				1	LOCKING LID REQUIRED
PN-2	107+45.91	-21.57	MAN				1	
PN-2	108+88.17	40.91	MAN				1	
PN-3	110+16.82	61.66	MAN				1	
TOTAL				7	1	2	10	

PAVEMENT ITEMS												
SHEET	STATION	STATION	ROUTE	LOCATION	4 IN. TYPE 5 AGGREGATE (SY)	ASPHALTIC CONCRETE MIXTURE PG70-22 (SP125CLP) (TONS)	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE) (TONS)	POLYMER MODIFIED EMULSION MEMBRANE (GAL)	COLDMILL BITUMINOUS PAV'T (3" OR LESS) (SY)	PAV'T EDGE TREATMENT (LF)	CONCRETE BASE 8 IN. NON- REINFORCED (SY)	REMARKS
MANCHESTER ROAD												
PN-1	100+00.00	104+00.00	MAN	LT/RT	795.0	191.2	61.80	255.2	1669.4	800.0		
PN-2	104+00.00	109+00.00	MAN	LT/RT	551.9	231.3		308.7	1773.3	1000.0		
PN-3	109+00.00	114+00.00	MAN	LT/RT	577.6	233.7		311.9	1884.9	1000.0		
PN-4	114+00.00	119+00.00	MAN	LT/RT	366.3	231.2		308.5	1789.4	1000.0		
PN-5	119+00.00	124+00.00	MAN	LT/RT	575.3	228.2		304.4	1734.0	1000.0		
PN-6	124+00.00	127+73.23	MAN	LT/RT	562.4	154.2		205.9	1059.7	746.5		
PN-1	15+19.00	18+17.50	WOODS	LT/RT		70.7	287.00	99.0				
PN-2	25+19.00	26+09.50	CLAY	LT/RT		16.6	68.00	23.3				
PN-3	35+19.00	36+05.00	GROVER	LT/RT		29.4	118.70	41.2				
PN-5	44+56.00	44+81.00	CORSAIR	LT/RT		9.8	39.50	13.7				
PN-1	100+00.00	104+00.00	MAN	RT							32.9	
PN-2	104+00.00	105+19.75	MAN	RT							116.3	
PN-2	105+36.89	107+17.72	MAN	RT							163.3	
PN-3	112+04.54	114+00.00	MAN	RT							140.7	
PN-4	114+00.00	119+00.00	MAN	RT							263.3	
PN-4	114+47.19	114+72.99	MAN	LT							0.4	
PN-4	116+38.08	116+74.14	MAN	LT							0.4	
PN-4	118+03.70	119+00.00	MAN	LT							3.1	
PN-5	119+00.00	119+55.66	MAN	LT							1.1	
PN-5	119+00.00	119+12.89	MAN	RT							0.1	
PN-5	119+75.02	120+40.47	MAN	RT							2.1	
PN-5	120+40.47	124+00.00	MAN	RT							193.3	
PN-5	121+24.48	121+91.47	MAN	LT							6.8	
PN-5	121+91.47	124+00.00	MAN	LT							92.1	
PN-6	124+00.00	127+73.27	MAN	LT							197.3	
PN-6	124+00.00	127+26.41	MAN	RT							107.1	
PN-6	127+32.37	127+72.83	MAN	RT							8.4	
TOTAL					3429	1396.4	575.0	1872	9911	5546	1328.7	



DATE PREPARED
11/2018

ROUTE
MO

DISTRICT
SHEET NO.
3B

COUNTY
ST. LOUIS

JOB NO.
STP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME
QU

SHEET
1 OF 18

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THE PROFESSIONAL WHOSE
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OR INTENDED TO BE USED
FOR ANY PART OR PARTS
OF THE PROJECT TO
WHICH THIS PAGE REFERS.

DATE	DESCRIPTION	REMARKS										
1/14/19												



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720 OLIVE STREET, SUITE 200A
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FAX (636) 241-2391
stlouis@wm-inc.com



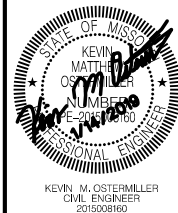
18MSD-00228
BASE MAP 24V2

DRAINAGE STRUCTURES

SHEET	STATION	OFFSET	ROUTE	42 IN. GRATE INLET (EACH)	42 IN. CURB INLET (EACH)	42 IN. AREA INLET (EACH)	42 IN. MANHOLE (EACH)	48 IN. MANHOLE (EACH)	60 IN. MANHOLE (EACH)	12 IN. CONC. FES (EACH)	18 IN. CONC. FES (EACH)	48 IN. HDS (EACH)	GRATED TRENCH DR. W/ PAN (LS)	PIPE COLLAR, TYPE A (EACH)	CLASS 3 EXCAV. (CY)	REMARKS
MANCHESTER ROAD																
SW-1	101+00.00	-25.50	MAN			1									4	1-4
SW-1	101+93.00	-25.50	MAN			1									3	1-3
SW-1	102+36.00	24.00	MAN			1									5	1-2
SW-1	102+36.00	38.60	MAN					1							8	1-1
SW-1	16+12.47	23.20	WOOD							1						1-1a
SW-1	102+24.92	38.60	MAN									1			10	HDS 1
SW-6	104+92.49	-17.80	MAN	1											4	2-12
SW-6	105+00.00	24.00	MAN			1									4	2-11
PN-5	105+38.35	-75.00	MAN										1			PARCEL 7
SW-6	106+15.00	32.50	MAN				1								5	2-10
SW-5	108+12.00	32.50	MAN				1								3	2-9
SW-5	108+12.00	24.00	MAN		1										3	2-8
SW-5	108+12.00	-24.00	MAN		1										4	2-7
SW-5	109+55.00	-32.50	MAN					1							4	2-6
SW-4	110+80.00	-32.50	MAN					1							4	2-5
SW-4	111+50.00	-32.50	MAN					1							4	2-4
SW-3	113+48.00	-32.50	MAN					1							4	2-3
SW-2	116+33.00	-32.50	MAN					1							5	2-21
SW-2	116+74.00	-32.50	MAN					1							6	2-2
SW-2	116+74.00	-198.40	MAN								1					2-1
SW-6	109+55.00	-41.00	MAN			1									2	2-20
SW-7	110+80.00	-24.00	MAN		1										3	2-18
SW-7	110+80.00	-42.00	MAN			1									2	2-19
SW-7	111+50.00	-42.00	MAN			1									2	2-17
SW-7	113+48.00	-24.00	MAN		1										3	2-16
SW-7	116+33.00	-24.00	MAN			1									4	2-13
SW-7	116+90.00	44.00	MAN			1									2	2-15
SW-7	116+90.00	24.00	MAN		1										3	2-14
SW-8	106+49.54	41.20	MAN						1						8	3-1
SW-8	109+57.25	24.00	MAN		1										3	3-2
SW-11	118+15.00	44.00	MAN			1									4	4-9
SW-10	119+65.00	24.00	MAN			1									4	4-8
SW-10	120+27.00	-24.00	MAN			1									4	4-7
SW-10	120+27.00	-32.50	MAN				1								4	4-6
SW-9	123+45.00	-32.50	MAN					1							4	4-5
SW-9	125+52.50	-35.00	MAN				1								3	4-12
SW-8	127+60.00	-32.50	MAN					1							3	4-4
SW-8	127+60.00	-22.50	MAN		1										3	4-3
SW-8	127+60.00	22.50	MAN		1										3	4-2
SW-8	127+62.67	42.00	MAN				1								4	4-1
SW-11	123+45.00	24.50	MAN		1										3	4-11
SW-11	123+45.00	-24.00	MAN			1									3	4-10
SW-11	124+68.00	-22.50	MAN									1			6	HDS-2
SW-8	127+68.88	48.44	MAN											1		
TOTAL				1	9	13*	5	9	1	1	1	2	1	1	158	

* ALL BEEHIVE INLET GRATES SHALL BE A NEENAH R-2560-E BEEHIVE GRATE WITH FRAME, J.R. HOE AND SONS MCB-350 FRAME WITH TYPE BH GRATE, OR EJ 1125 FRAME WITH 1130 TYPE 02 BEEHIVE GRATE.

1



DATE PREPARED
11/2018

ROUTE STATE
MO

DISTRICT SHEET NO.
3B

COUNTY
ST. LOUIS

JOB NO.
STP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME
QU

SHEET
4 OF 18

DISCLAIMER:
THE PROFESSIONAL WHOSE
SIGNATURE AND PERSONAL
SEAL APPEAR HEREON
ASSUMES RESPONSIBILITY
ONLY FOR WHAT APPEARS
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DATE	DESCRIPTION	NOTE	*	*	*	*	*	*	*
1/14/19		.	.	.	.	.	.	.	.

CITY OF WILDWOOD
PUBLIC WORKS DEPARTMENT
16860 MAIN STREET
WILDWOOD, MO 63440
636.438.0440

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PROFESSIONAL REGISTRATIONS LICENSE NO.
MISSOURI PROFESSIONAL ENGR. CORP. NO. 000328
MISSOURI LAND SURVEYING CORP. NO. 000346



ENTRANCES

SHEET	STATION	ROUTE	LOCATION	LINEAR GRADING CLASS 1 (STA)	PAVED APPROACH 7 IN. (SY)	GRAVEL (A) (TONS)	7 IN. BITUMINOUS PAVEMENT (SY)	REMARKS
MANCHESTER ROAD								
PN-1	101+18.43	MAN	LT	1.19	43.7			
PN-1	102+15.22	MAN	LT	0.48	52.9		38.4	
PN-1	103+10.47	MAN	LT	0.57	40.6		73.9	
PN-1	103+49.54	MAN	LT	0.29	24.1		11.1	
PN-1	103+96.94	MAN	RT	0.33	28.1		18.7	
PN-2	104+12.87	MAN	LT	0.24	28.3		6.3	
PN-2	105+38.35	MAN	LT	0.46	108.7		175.6	
PN-2	106+93.91	MAN	LT	0.29	73.4		59.7	
PN-2	106+93.91	MAN	RT	0.29	73.4	10.3		
PN-2	108+52.58	MAN	RT	0.39	86.0		51.4	
PN-2	108+55.65	MAN	LT	0.27	68.3		22.0	
PN-3	109+73.47	MAN	LT	0.29	48.7		24.2	
PN-3	111+05.47	MAN	LT	0.34	52.9		42.1	
PN-3	111+69.87	MAN	LT	0.32	40.5		20.4	
PN-3	112+37.17	MAN	RT	0.49	43.1		60.0	
PN-3	113+69.32	MAN	LT	0.29	44.3		35.2	
PN-4	114+02.30	MAN	LT	0.29	36.0		43.7	
PN-4	114+07.55	MAN	RT	0.49	43.2		59.2	
PN-4	114+59.91	MAN	LT	0.32	32.3		18.3	
PN-4	114+84.65	MAN	RT	0.45	40.5	14.2		
PN-4	115+25.41	MAN	RT	0.43	28.2		26.5	
PN-4	116+55.99	MAN	LT	0.36	52.9		45.3	
PN-4	1117+13.43	MAN	RT	0.37	48.7		41.1	
PN-4	118+45.09	MAN	RT	0.33	88.8		60.2	
PN-5	119+93.97	MAN	RT	0.34	70.6		40.8	
PN-5	120+25.47	MAN	RT	0.34	39.8		19.8	
PN-5	120+81.59	MAN	LT	0.25				CORSAIR
PN-5	121+57.98	MAN	LT	0.55	77.9		163.1	
PN-5	121+90.56	MAN	RT	0.30	48.7		21.4	
PN-5	123+78.25	MAN	LT	0.39	76.3		77.0	
PN-6	124+45.00	MAN	LT	0.19	52.9			
TOTAL				11.8	1593.8	25	1255.4	

PARKING LOTS

SHEET	STATION	STATION	ROUTE	LOCATION	8 IN. TYPE 1 AGGREGATE (SY)	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1) (TON)	REMARKS
MANCHESTER ROAD							
PN-1	100+95.97	101+46.43	MAN	LT	263.9	42.8	
PN-2	107+21.75	107+70.21	MAN	LT	168.5	27.3	
PN-4	115+09.53	116+67.99	MAN	LT	1482.8	240.7	
TOTAL					1916	311	

RETAINING WALL

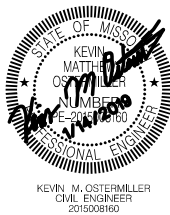
SHEET	STATION	OFFSET	STATION	OFFSET	ROUTE	SMALL- BLOCK RETAINING WALL (SF)	REMARKS
MANCHESTER ROAD							
WP-1	100+96.60	-47.70	101+11.43	-37.50	MAN	25.0	THE PORCH PROPERTY
TOTAL						25	

SODDING

SHEET	STATION	STATION	ROUTE	LOCATION	K-31 TALL FESCUE SODDING (SY)	TOPSOIL (CY)	SODDING (SY)	PLANT SOIL MIX (CY)	SEEDING (ACRE)	REMARKS
MANCHESTER ROAD										
PN-1	100+00.00	104+00.00	MAN	LT/RT	1049.3					
PN-2	104+00.00	109+00.00	MAN	LT/RT	303.5					
PN-3	109+00.00	114+00.00	MAN	LT/RT	575.2					
PN-4	114+00.00	119+00.00	MAN	LT/RT	901.2					
PN-5	119+00.00	124+00.00	MAN	LT/RT	690.8					
PN-6	124+00.00	127+73.23	MAN	LT/RT	422.8					
L-101-L-801	100+00.00	127+73.23	MAN	LT/RT		1120.0	1935.0	330.0	0.3	SEE STREETSCAPE DETAILS
TOTAL					3943	1120	1935	330	0.3	

STREETSCAPE ITEMS

SHEET	STATION	STATION	ROUTE	LOCATION	BIKE RACK (EACH)	PLANTER (EACH)	GROW- LOW SUMAC (EACH)	BUTTERFLY WEED (EACH)	ELIJAH BLUE FESCUE (EACH)	MAIDEN GRASS (EACH)	BLACK- EYED SUSAN (EACH)	COMPACT ANDORRA JUNIPER (EACH)	PYRAMIDAL HORNBEAM (EACH)	GREEN VASE ZELKOVA (EACH)	REMARKS
MANCHESTER ROAD															
L-101, L-201, L-802	100+00.00	101+00.00	MAN	LT	2										SEE STREETSCAPE DETAILS
L-101, L-201, L-802	100+00.00	101+00.00	MAN	LT/RT		5									SEE STREETSCAPE DETAILS
L-101 - L-801	100+00.00	127+73.23	MAN	LT/RT			248	132	768	49	150	344	60	30	SEE STREETSCAPE DETAILS
TOTAL					2	5	248	132	768	49	150	344	60	30	

DATE PREPARED
11/2018ROUTE
MODISTRICT
SHEET NO.
3BCOUNTY
ST. LOUISJOB NO.
STP-5536(610)PROJECT NAME
MANCHESTERSHEET NAME
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7 OF 18

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1/14/19		.	.
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MISSOURI LAND SURVEYING CORP. NO. 000346

18MSD-00228
BASE MAP 24V2

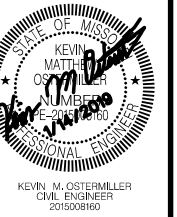
*PAY TOTAL = AMEREN AND SPECTRUM UNDERCROSSING CONDUIT SYSTEM = 1 L. SUM ** NO DIRECT PAYMENT, INCIDENTAL TO DECORATIVE STREET LIGHT POLE

	TOTAL	34
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SIDEWALK/PARKING

SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE SIDEWALK 4 IN. (SY)	CONCRETE CURB RAMP (SY)	CROSSWALK STAMPED CONCRETE (SY)	PERVIOUS CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS COLORED CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS CONCRETE PAVEMENT 8 IN. (SY)	CLEAN CRUSHED STONE (OPEN-GRADED) 2 IN. (TON)	TRUNCATED DOMES (SF)	PERFORATED UNDERDRAIN 6 IN. (LF)	MSD TYPE 4 FILTER FABRIC (SY)	OBSERVATION WELLS (EA)	REMARKS
MANCHESTER ROAD																
PN-5	120+72.13	120+80.13	MAN	RT					8.9							
PN-5	121+38.13	121+46.13	MAN	RT					8.9							
PN-5	121+99.53	122+07.53	MAN	LT					8.9							
PN-5	122+10.56	122+16.56	MAN	CL					3.0							
PN-5	122+38.23	122+46.23	MAN	RT					8.9							
PN-5	122+59.74	122+67.74	MAN	LT					8.9							
PN-5	123+06.25	123+14.25	MAN	RT					8.9							
PN-5	123+19.95	123+27.25	MAN	LT					8.9							
PN-5	123+32.46	123+38.41	MAN	CL					3.0							
PN-5	123+70.13	123+78.13	MAN	RT					8.9							
PN-6	124+13.08	124+21.08	MAN	LT					8.9							
PN-6	124+38.12	124+46.12	MAN	RT					8.9							
PN-6	124+68.14	124+73.47	MAN	CL					2.6							
PN-6	124+80.47	124+87.97	MAN	LT					3.1							
PN-6	125+22.59	125+30.57	MAN	RT					8.9							
PN-6	125+22.67	125+30.69	MAN	LT					8.9							
PN-6	125+92.67	126+00.67	MAN	RT					8.9							
PN-6	125+92.68	126+00.67	MAN	LT					8.9							
PN-6	126+62.58	126+70.58	MAN	RT					8.9							
PN-6	126+62.58	126+70.58	MAN	LT					8.9							
PN-6	127+29.08	127+37.08	MAN	LT					8.9							
PN-6	127+29.08	127+37.08	MAN	RT					8.9							
PN-1	100+12.38	101+11.64	MAN	RT				142.1								
PN-1	100+13.48	101+11.43	MAN	LT				79.6								
PN-1	101+25.43	101+55.52	MAN	LT				16.7								
PN-1	101+53.55	102+56.15	MAN	RT				88.7								
PN-1	101+63.60	102+07.52	MAN	LT				23.8								
PN-1	102+22.81	102+57.46	MAN	LT				31.6								
PN-1	102+65.63	103+01.30	MAN	LT				32.7								
PN-1	102+76.91	103+33.58	MAN	RT				57.2								
PN-1	103+19.71	103+44.43	MAN	RT				26.9								
PN-1	103+41.40	103+91.09	MAN	RT				50.4								
PN-1	103+54.64	103+76.61	MAN	LT				23.9								
PN-1 & 2	103+84.80	104+06.76	MAN	LT				23.9								
PN-2	104+02.83	104+48.54	MAN	RT				45.9								
PN-2	104+18.99	104+58.00	MAN	LT				36.3								
PN-2	104+56.34	105+11.58	MAN	RT				57.7								
PN-2	104+66.17	105+15.26	MAN	LT				46.2								
PN-2	105+31.34	106+19.99	MAN	RT				102.2								
PN-2	105+61.45	106+20.79	MAN	LT				66.4								
PN-2	106+27.81	106+76.91	MAN	RT				49.5								
PN-2	106+29.00	106+76.91	MAN	LT				46.7								
PN-2	107+10.91	107+56.46	MAN	LT				50.6								
PN-2	107+10.91	107+52.35	MAN	RT				46.0								
PN-2	107+60.35	107+82.35	MAN	RT				24.4								
PN-2	107+64.46	107+86.45	MAN	LT				24.4								
PN-2	107+90.35	108+38.75	MAN	RT				50.5								
PN-2	107+94.45	108+43.59	MAN	LT				53.2								
PN-2 & 3	108+66.42	109+18.44	MAN	RT				62.1								
PN-2 & 3	108+67.70	109+21.94	MAN	LT				60.5								
PN-3	109+26.44	109+85.99	MAN	RT				77.8								
PN-3	109+29.94	109+62.47	MAN	LT				30.1								
PN-3	109+84.47	110+19.97	MAN	LT				39.4								
PN-3	110+22.18	110+38.64	MAN	RT				16.9								
PN-3	110+27.97	110+49.96	MAN	LT				24.4								
PN-3	110+57.96	110+96.47	MAN	LT				39.5								
PN-3	111+17.47	111+35.17	MAN	LT				19.7								
PN-3	111+43.17	111+60.87	MAN	LT				19.7								
PN-3	111+78.87	112+35.58	MAN	LT				63.0								
PN-3	112+04.58	112+27.64	MAN	RT				24.7								
PN-3	112+43.23	112+88.58	MAN	RT				42.5								
PN-3	112+43.58	112+95.58	MAN	LT				57.8								
PN-3	112+96.58	113+54.00	MAN	RT				51.8								
PN-3	113+03.58	115+59.32	MAN	LT				61.9								
PN-3	113+62.00	113+98.03	MAN	RT				32.1								
PN-3	113+79.32	113+94.30	MAN	LT				16.7								



DATE PREPARED
11/2018

ROUTE	STATE
.	MO

DISTRICT	SHEET NO.
.	3B

COUNTY
ST. LOUIS

JOB NO.
TP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME	QU
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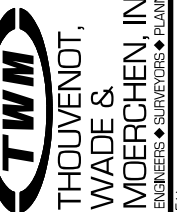
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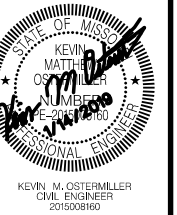
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SIDEWALK/PARKING

SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE SIDEWALK 4 IN. (SY)	CONCRETE CURB RAMP (SY)	CROSSWALK STAMPED CONCRETE (SY)	PERVIOUS CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS COLORED CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS CONCRETE PAVEMENT 8 IN. (SY)	CLEAN CRUSHED STONE (OPEN-GRADED) 2 IN. (TON)	TRUNCATED DOMES (SF)	PERFORATED UNDERDRAIN 6 IN. (LF)	MSD TYPE 4 FILTER FABRIC (SY)	OBSERVATION WELLS (EA)	REMARKS
MANCHESTER ROAD																
PN-4	114+10.30	114+27.61	MAN	LT				19.2								
PN-4	114+13.63	114+41.13	MAN	RT				28.6								
PN-4	114+35.61	114+52.91	MAN	LT				19.2								
PN-4	114+49.13	114+75.65	MAN	RT				29.5								
PN-4	114+66.91	115+11.86	MAN	LT				43.9								
PN-4	114+93.65	115+19.41	MAN	RT				28.6								
PN-4	115+19.86	115+84.79	MAN	LT				60.1								
PN-4	115+31.41	115+77.13	MAN	RT				50.8								
PN-4	115+85.12	116+45.13	MAN	RT				66.7								
PN-4	115+92.79	116+43.99	MAN	LT				50.9								
PN-4	116+53.13	117+02.43	MAN	RT				54.8								
PN-4	116+67.99	117+39.20	MAN	LT				73.1								
PN-4	117+24.43	117+76.96	MAN	RT				52.4								
PN-4	117+47.20	118+09.20	MAN	LT				56.9								
PN-4	117+84.96	118+26.09	MAN	RT				39.3								
PN-4	188+17.20	118+79.20	MAN	LT				56.9								
PN-4 & 5	118+64.09	119+14.11	MAN	RT				49.2								
PN-4 & 5	118+87.20	119+49.20	MAN	LT				56.9								
PN-5	119+22.11	119+79.97	MAN	RT				58.3								
PN-5	119+57.20	120+54.36	MAN	LT				101.2								
PN-5	120+31.97	120+72.13	MAN	RT				44.6								32.5 SY CURB RAMP INCL.
PN-5	120+80.13	121+38.13	MAN	RT				72.5								36.9 SY CURB RAMP INCL.
PN-5	120+96.82	121+42.98	MAN	LT				54.9								35.0 SY CURB RAMP INCL.
PN-5	121+46.13	121+79.56	MAN	RT				37.1								
PN-5	121+72.98	121+99.53	MAN	LT				28.4								
PN-5	122+01.56	122+38.23	MAN	RT				41.5								
PN-5	122+07.53	122+59.74	MAN	LT				46.0								
PN-5	122+46.23	123+06.25	MAN	RT				66.7								
PN-5	122+67.74	123+19.95	MAN	LT				46.0								
PN-5	123+14.25	123+70.13	MAN	RT				62.1								
PN-5	123+27.95	123+63.25	MAN	LT				38.2								
PN-5 & 6	123+78.13	124+38.12	MAN	RT				66.7								
PN-5 & 6	123+92.47	124+13.08	MAN	LT				21.9								
PN-6	124+21.08	124+33.00	MAN	LT				13.2								
PN-6	124+46.12	125+22.59	MAN	RT				90.7								54.5 SY CURB RAMP INCL.
PN-6	124+57.00	125+22.69	MAN	LT				76.7								46.4 SY CURB RAMP INCL.
PN-6	125+30.57	125+92.67	MAN	RT				69.0								
PN-6	125+30.69	125+92.67	MAN	LT				56.9								
PN-6	126+00.67	126+62.58	MAN	RT				68.8								
PN-6	126+00.67	126+62.58	MAN	LT				56.8								
PN-6	126+70.58	127+29.08	MAN	RT				65.0								
PN-6	126+70.58	127+29.08	MAN	LT				59.0								
PN-6	127+37.08	128+21.22	MAN	RT				99.1								57.9 SY CURB RAMP INCL.
PN-6	127+37.08	128+12.63	MAN	LT				89.5								49.0 SY CURB RAMP INCL.
PN-1	105+79.94	105+85.93	MAN	CL		4.00										
PN-1	108+87.95	108+93.94	MAN	CL		4.00										
PN-3	124+73.97	124+79.97	MAN	CL		4.00										
PN-1	102+50.87	102+82.19	MAN	RT			28.6									
PN-1	105+10.24	105+36.61	MAN	RT			25.3									
PN-2	109+79.00	110+29.51	MAN	RT			46.8									
PN-3	120+48.87	121+02.31	MAN	LT			52.3									
PN-1	100+16.21	100+22.02	MAN	RT								15.00				
PN-1	100+19.99	100+25.52	MAN	LT								15.00				
PN-1	100+49.09	100+54.04	MAN	RT								10.00				
PN-1	102+47.48	102+55.53	MAN	RT								23.00				
PN-1	102+77.73	102+85.58	MAN	RT								23.00				
PN-2	105+07.73	105+09.69	MAN	RT								20.00				
PN-2	105+31.96	105+40.02	MAN	RT								23.00				
PN-2	105+79.93	105+86.02	MAN	LT								12.00				
PN-2	105+79.94	105+85.94	MAN	CL								12.00				
PN-2	105+79.94	105+85.93	MAN	CL								12.00				
PN-2	105+79.94	105+85.86	MAN	RT								12.00				
PN-2	108+87.94	108+93.94	MAN	LT								12.00				
PN-2	108+87.94	108+93.94	MAN	CL								12.00				
PN-2	108+87.94	108+93.94	MAN	CL								12.00				
PN-2	108+87.94	108+93.94	MAN	RT								12.00				



DATE PREPARED
11/2018

ROUTE	STATE
.	MO

DISTRICT	SHEET NO.
.	3B

COUNTY
ST. LOUIS

JOB NO.
TP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME
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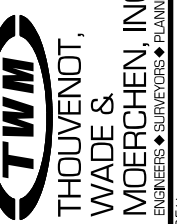
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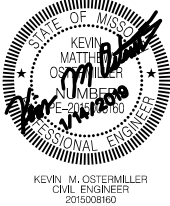


SIDEWALK/PARKING

SHEET	STATION	STATION	ROUTE	LOCATION	CONCRETE SIDEWALK 4 IN. (SY)	CONCRETE CURB RAMP (SY)	CROSSWALK STAMPED CONCRETE (SY)	PERVIOUS CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS COLORED CONCRETE SIDEWALK 4 IN. (SY)	PERVIOUS CONCRETE PAVEMENT 8 IN. (SY)	CLEAN CRUSHED STONE 2 IN. (TON)	TRUNCATED DOMES (SF)	PERFORATED UNDERDRAIN 6 IN. (LF)	MSD TYPE 4 FILTER FABRIC (SY)	OBSERVATION WELLS (EA)	REMARKS
MANCHESTER ROAD																
BMP-5	110+43.09	110+43.09	MAN	LT											1	
BMP-5	110+90.78	110+90.78	MAN	LT											1	
BMP-6	109+17.10	109+17.10	MAN	RT											1	
BMP-6	109+55.17	109+55.17	MAN	RT											1	
BMP-7	111+59.28	111+59.28	MAN	LT											1	
BMP-7	112+35.44	112+35.44	MAN	LT											1	
BMP-7	112+90.07	112+90.07	MAN	LT											1	
BMP-7	113+57.34	113+57.34	MAN	LT											1	
BMP-7	113+92.89	113+92.89	MAN	LT											1	
BMP-7	114+51.26	114+51.26	MAN	LT											1	
BMP-7	115+37.03	115+37.03	MAN	LT											1	
BMP-7	115+87.07	115+87.07	MAN	LT											1	
BMP-7	116+40.82	116+40.82	MAN	LT											1	
BMP-8	112+22.10	112+22.10	MAN	RT											1	
BMP-8	112+76.96	112+76.96	MAN	RT											1	
BMP-8	113+91.95	113+91.95	MAN	RT											1	
BMP-8	114+73.62	114+73.62	MAN	RT											1	
BMP-8	115+17.36	115+17.36	MAN	RT											1	
BMP-8	116+10.37	116+10.37	MAN	RT											1	
BMP-8	117+00.03	117+00.03	MAN	RT											1	
BMP-9	118+22.37	118+22.37	MAN	RT											1	
BMP-9	119+17.11	119+17.11	MAN	RT											1	
BMP-9	119+78.10	119+78.10	MAN	RT											1	
BMP-10	117+68.26	117+68.26	MAN	LT											1	
BMP-10	118+56.67	118+56.67	MAN	LT											1	
BMP-10	119+35.25	119+35.25	MAN	LT											1	
BMP-10	120+08.31	120+08.31	MAN	LT											1	
BMP-10	120+34.05	120+34.05	MAN	LT											1	
BMP-11	121+38.02	121+38.02	MAN	LT											1	
BMP-11	122+24.92	122+24.92	MAN	LT											1	
BMP-11	122+59.00	122+59.00	MAN	LT											1	
BMP-11	122+94.65	122+94.65	MAN	LT											1	
BMP-11	123+36.05	123+36.05	MAN	LT											1	
BMP-11	123+56.83	123+56.83	MAN	LT											1	
BMP-11	124+29.51	124+29.51	MAN	LT											1	
BMP-3	102+22.81	103+01.30	MAN	LT							96.7					
BMP-3	103+19.64	103+44.43	MAN	LT							25.4					
BMP-3	103+54.62	104+06.76	MAN	LT							61.2					
BMP-3	104+18.89	105+15.26	MAN	LT							128.3					
BMP-4	105+59.65	105+76.91	MAN	RT							164.9					
BMP-4	107+10.91	108+31.78	MAN	RT							167.0					
BMP-5	108+71.29	109+62.47	MAN	LT							126.7					
BMP-5	109+84.47	110+93.47	MAN	LT							132.6					
BMP-6	108+73.39	109+60.23	MAN	RT							94.5					
BMP-7	111+17.47	111+60.87	MAN	LT							52.3					
BMP-7	111+78.87	113+59.32	MAN	LT							222.8					
BMP-7	113+79.32	113+94.30	MAN	LT							15.2					
BMP-7	114+10.30	114+52.91	MAN	LT							48.5					
BMP-7	114+66.91	116+44.00	MAN	LT							215.1					
BMP-8	112+04.58	112+25.91	MAN	RT							22.8					
BMP-8	112+44.96	113+96.31	MAN	RT							214.9					
BMP-8	114+15.35	114+75.65	MAN	RT							77.4					
BMP-8	114+93.65	115+19.41	MAN	RT							27.4					
BMP-8	115+41.31	117+02.43	MAN	RT							234.6					
BMP-9	117+24.43	118+24.06	MAN	RT							164.0					
BMP-9	118+66.13	119+79.97	MAN	RT							156.2					
BMP-10	116+68.00	120+35.39	MAN	LT							514.9					
BMP-11	121+24.12	121+41.05	MAN	LT							17.8					
BMP-11	121+75.92	123+60.32	MAN	LT							263.1					
BMP-11	123+95.41	124+33.00	MAN	LT							63.1					
TOTAL					113.0	12.0*	153.0	4406.0**	548.0	1681.0	4092.0	470.0	8047.0	8405.0	46.0	

* IMPERVIOUS CONCRETE CURB RAMP QUANTITY INCLUDES MEDIAN CUT-THROUGH ONLY

** PERVIOUS CURB RAMPS WITHIN PERVIOUS SIDEWALK LIMITS INCLUDED IN PERVIOUS CONCRETE SIDEWALK 4 IN.
SEE REMARKS FOR CURB RAMP AREAS



DATE PREPARED
11/2018

ROUTE
STATE
MO

DISTRICT
SHEET NO.
3B

COUNTY
ST. LOUIS

JOB NO.
STP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME
QU

SHEET
17 OF 18

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DATE	DESCRIPTION	NOTE	*	AND	**
1/14/19		.	.	.	.



ST. LOUIS OFFICE
720 OLIVE STREET, SUITE 200A
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FAX (636) 241-2391
stlouis@wm-inc.com
PROFESSIONAL REGISTRATIONS LICENSE NO.
MISSOURI PROFESSIONAL ENGR. CORP. NO. 000328
MISSOURI LAND SURVEYING CORP. NO. 000346



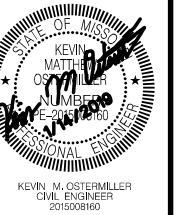
LIGHTING PLAN
PROJECT START TO STA. 109+00.00

NOTES:

ALL LIGHTING CONDUIT WILL BE 1½" SCHEDULE 40 PVC OR HDPE.
AND BE INSTALLED OUTSIDE OF PERVIOUS SIDEWALK'S CLEAN STONE.

ALL AMEREN CONDUIT WILL HAVE 1 RUN OF 3" CONDUIT UNLESS
NOTED OTHERWISE.

ALL SPECTRUM CONDUIT WILL HAVE 1 RUN OF 3" SCHEDULE 40 PVC.



DATE PREPARED
11/2018

ROUTE
STATE
MO

DISTRICT
SHEET NO.
48

COUNTY
ST. LOUIS

JOB NO.
STP-5536(610)

PROJECT NAME
MANCHESTER

SHEET NAME
LT

SHEET
1 OF 3

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DATE	DESCRIPTION	CONDUIT # OF RUNS & MATERIAL	NOTES	UPDATES
1/14/19				

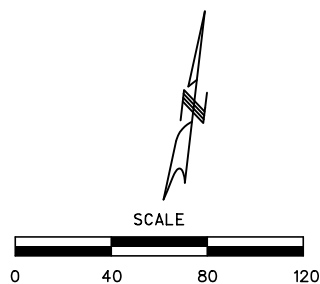


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MISSOURI LAND SURVEYING CORP. NO. 000346



18MSD-00228
BASE MAP 24V2



LIGHTING LEGEND

CONTROLLER, LIGHTING

LIGHT POLE

POWER SUPPLY

PULL BOX PREFORMED TYPE 1

LIGHTING 1½" SCHEDULE 40 PVC OR HDPE
CONDUIT, RIGID (PUSHED OR TRENCHED)

AMEREN 3" OR 4" SCHEDULE 40 PVC
CONDUIT, RIGID (PUSHED OR TRENCHED)

SPECTRUM 3" SCHEDULE 40 PVC
CONDUIT, RIGID (PUSHED OR TRENCHED)

EXISTING ROW

P.R.W.E.

T.C.E.

BEGIN PROJECT
STA. 100+00.00

CONCRETE POLE
AND LUMINAIRE
STA. 100+37.32

CONCRETE POLE
AND LUMINAIRE
STA. 101+95.79

CONCRETE POLE
AND LUMINAIRE
STA. 103+81.02

CONCRETE POLE
AND LUMINAIRE
STA. 105+73.77

CONCRETE POLE
AND LUMINAIRE
STA. 108+83.51

CONCRETE POLE
AND LUMINAIRE
STA. 107+24.73

MATCHLINE STA. 109+00.00

CONCRETE POLE
AND LUMINAIRE
STA. 100+96.22

1½" SCHEDULE 40
PVC CONDUIT,
(TYP.)

CONCRETE POLE
AND LUMINAIRE
STA. 102+95.54

CONCRETE POLE
AND LUMINAIRE
STA. 104+95.02

CONCRETE POLE
AND LUMINAIRE
STA. 106+67.58

CONCRETE POLE
AND LUMINAIRE
STA. 107+86.61

1 - 4" RUN OF
SCHEDULE 40 PVC
CONDUIT

WOODS AVE.

MANCHESTER RD.

CLAY AVE.

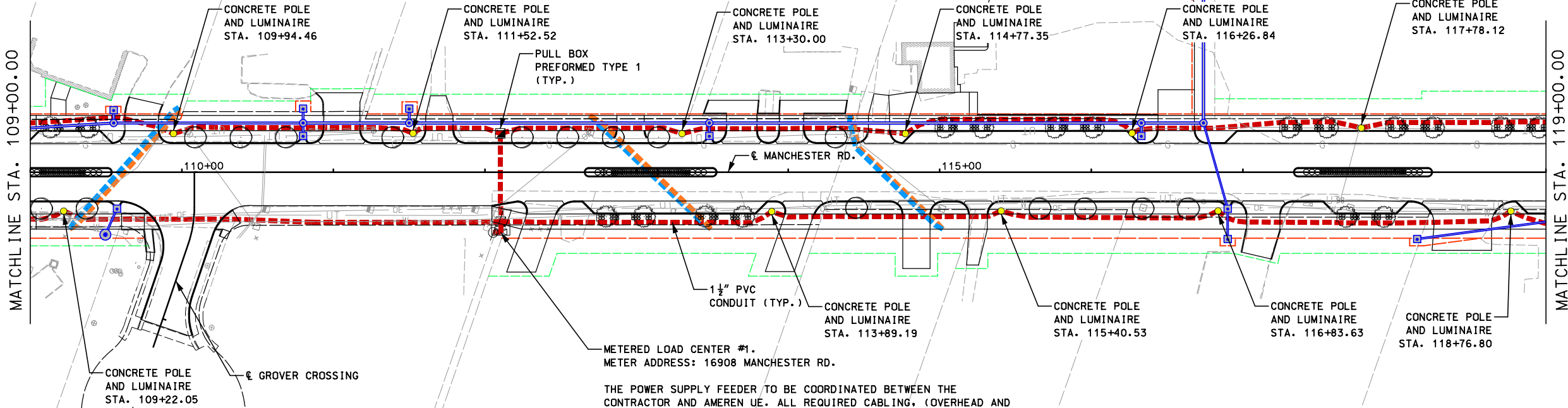
LIGHTING PLAN
STA. 109+00.00 TO STA. 119+00.00

NOTES:

ALL LIGHTING CONDUIT WILL BE 1½" SCHEDULE 40 PVC OR HDPE.
AND BE INSTALLED OUTSIDE OF PERVIOUS SIDEWALK'S CLEAN STONE.

ALL AMEREN CONDUIT WILL HAVE 1 RUN OF 3" CONDUIT UNLESS
NOTED OTHERWISE.

ALL SPECTRUM CONDUIT WILL HAVE 1 RUN OF 3" SCHEDULE 40 PVC.



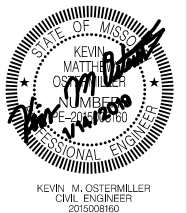
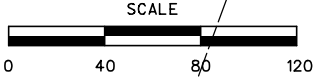
METERED LOAD CENTER #1.
METER ADDRESS: 16908 MANCHESTER RD.

THE POWER SUPPLY FEEDER TO BE COORDINATED BETWEEN THE CONTRACTOR AND AMEREN UE. ALL REQUIRED CABLING, (OVERHEAD AND UNDERGROUND), WOODEN POLES FOR SPANNING SECONDARY POWER SUPPLY AND TRANSFORMERS, IF NEEDED, CONDUIT, LOAD CENTER WIRING AND CONNECTIONS TO THE LOAD CENTER PANEL FROM THE POWER SUPPLY SOURCE TO BE DETERMINED BY AMEREN UE AS PER THEIR REQUIREMENTS. ALL FEES/COSTS ASSOCIATED WITH THE AMEREN UE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE OF DECORATIVE STREET LIGHTING.

AMEREN PREMISE NUMBER: 012907030

LIGHTING LEGEND

- CONTROLLER, LIGHTING
- LIGHT POLE
- POWER SUPPLY
- PULL BOX PREFORMED TYPE 1
- LIGHTING 1½" SCHEDULE 40 PVC OR HDPE CONDUIT, RIGID (PUSHED OR TRENCHED)
- AMEREN 3" OR 4" SCHEDULE 40 PVC CONDUIT, RIGID (PUSHED OR TRENCHED)
- SPECTRUM 3" SCHEDULE 40 PVC CONDUIT, RIGID (PUSHED OR TRENCHED)
- EXISTING ROW
- P.R.W.E.
- T.C.E.



DATE PREPARED 11/2018	
ROUTE	STATE MO
DISTRICT	SHEET NO. 49
COUNTY ST. LOUIS	
JOB NO. STP-5536(610)	
PROJECT NAME MANCHESTER	
SHEET NAME LT	
SHEET 2 OF 3	

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DATE	DESCRIPTION
1/14/19	CONDUIT # OF RUNS & MATERIAL
	AMEREN PREMISE # ADDED
	NOTES UPDATES

CITY OF WILDWOOD
PUBLIC WORKS DEPARTMENT
16860 MAIN STREET
WILDWOOD, MO 63440
636.458.0440

ST. LOUIS OFFICE
720 OLIVE STREET, SUITE 200A
ST. LOUIS, MISSOURI 63101
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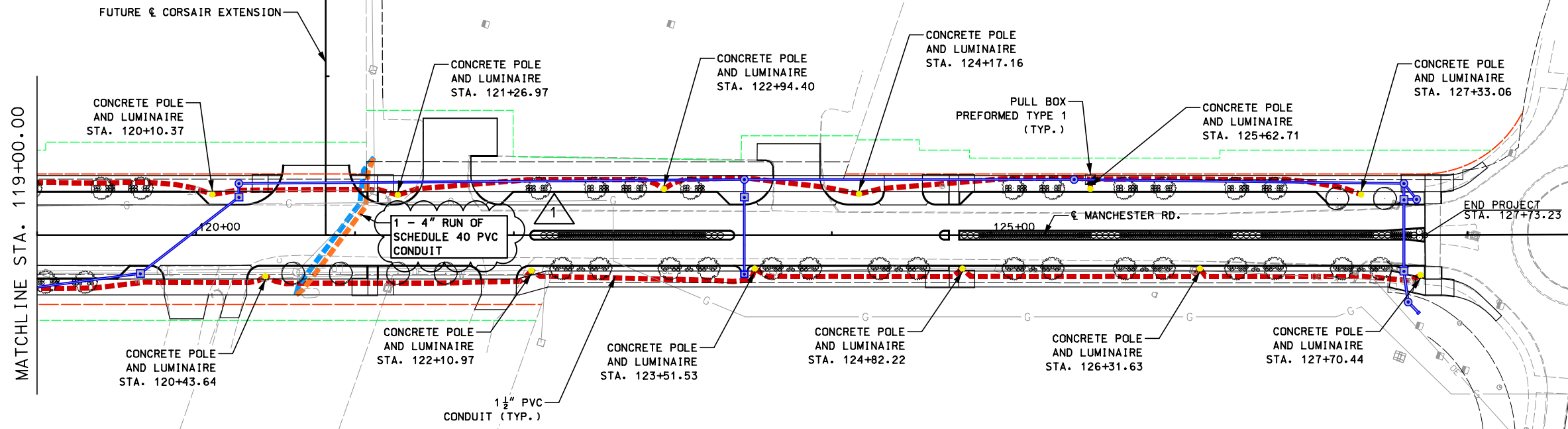
LIGHTING PLAN
STA. 119+00.00 TO PROJECT END

NOTES:

ALL LIGHTING CONDUIT WILL BE 1½" SCHEDULE 40 PVC OR HDPE.
AND BE INSTALLED OUTSIDE OF PERVIOUS SIDEWALK'S CLEAN STONE.

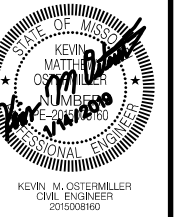
ALL AMEREN CONDUIT WILL HAVE 1 RUN OF 3" CONDUIT UNLESS
NOTED OTHERWISE.

ALL SPECTRUM CONDUIT WILL HAVE 1 RUN OF 3" SCHEDULE 40 PVC.



LIGHTING LEGEND

- CONTROLLER, LIGHTING
- LIGHT POLE
- POWER SUPPLY
- PULL BOX PREFORMED TYPE 1
- LIGHTING 1½" SCHEDULE 40 PVC OR HDPE CONDUIT, RIGID (PUSHED OR TRENCHED)
- AMEREN 3" OR 4" SCHEDULE 40 PVC CONDUIT, RIGID (PUSHED OR TRENCHED)
- SPECTRUM 3" SCHEDULE 40 PVC CONDUIT, RIGID (PUSHED OR TRENCHED)
- EXISTING ROW
- P.R.W.E.
- T.C.E.



DATE PREPARED 11/2018	
ROUTE	STATE MO
DISTRICT	SHEET NO. 50
COUNTY ST. LOUIS	
JOB NO. STP-5536(610)	
PROJECT NAME MANCHESTER	
SHEET NAME LT	
SHEET 3 OF 3	

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DATE	DESCRIPTION	CONDUIT # OF RUNS & MATERIAL	NOTES	UPDATES
1/14/19				



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MISSOURI LAND SURVEYING CORP. NO. 00046

