

AGREEMENT BETWEEN THE CITY OF ANN ARBOR AND THE DOWNTOWN  
DEVELOPMENT AUTHORITY OF THE CITY OF ANN ARBOR REGARDING  
RESPONSIBILITIES AND COST ALLOCATION FOR  
THE STREET LIGHTING REPLACEMENT – KERRYTOWN MARKET AND LIBERTY  
STREET PROJECT

This Agreement (“Agreement”) is made and entered into this 20th date of January 2018, by and between the City of Ann Arbor, a Michigan municipal corporation with its principal offices at 301 E. Huron Street, Ann Arbor, Michigan 48104 (“City”), and the Downtown Development Authority of the City of Ann Arbor, a public corporation organized and existing pursuant to the authority of Act 197, Public Acts of Michigan, 1975, MCL 125.1651 *et seq.* with its principal offices at 150 South Fifth Avenue, Suite 301, Ann Arbor, Michigan 48104 (“DDA”), for the purpose of fixing the rights and obligations of the parties relative to the construction of the Street Lighting Replacement – Kerrytown Market and Liberty Street Project. The construction of this project is hereinafter referred to as the “Project.” Relevant details and scope of the Project are set forth in Exhibit A, which is attached hereto and incorporated herein by reference.

Whereas, the City and the DDA have expressed interest in working cooperatively on the Street Lighting Replacement – Kerrytown Market and Liberty Street Project to replace existing streetlights;

Whereas, the City and the DDA have agreed that the City should award a contract to Corby Energy Services, Inc. hereinafter referred to as “Contractor,” to perform construction work for the Project;

Whereas, the DDA will be responsible for funding a portion of the Project as established in Exhibit B; and

Whereas, the City and the DDA have reached an understanding with each other regarding the performance of and payment for the Project and desire to enter into this Agreement to memorialize that understanding.

Therefore, in consideration of the premises and of the mutual undertakings of the parties and in conformity with applicable law, the City and the DDA agree:

1. The City and the DDA shall undertake and complete the construction phase of the Project in accordance with the terms of this Agreement. Exhibit A to this Agreement refers to and incorporates by reference the Project design, which details the complete scope of the construction work. Exhibit B to this Agreement lists the estimate for each cost sharing category and the allocation of costs between the City and the DDA for each category. As set forth in Exhibit B, the total dollar amount of the DDA’s share of the Project shall not exceed \$150,037.68.

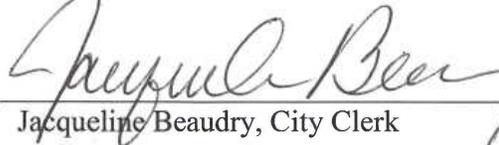
2. The City will enter into a contract with the Contractor for the Project. The City will administer the contract and related work necessary for the completion of the Project. In its contract with the Contractor, the City must require that the Contractor indemnify the DDA for any claims or lawsuits by third parties arising from the Contractor's work, and must require the Contractor to cover the DDA as additionally insured on its general liability policy. In the contract between them, the City and the Contractor also must recognize the DDA as a third party beneficiary of the contract.
3. The DDA is responsible for funding its identified share of each cost sharing category of the Project as defined in Exhibit B.
4. For payment of the Project costs, the City will contract directly with the Contractor, and finance the complete cost of the construction, including the DDA's portion of these costs. The DDA will reimburse the City for the DDA's share of amounts paid by the City. Exhibit B provides the estimated cost breakdown of construction costs and the allocation of costs due the City from the DDA for its share of the costs.
5. As the City pays for construction services and incurs costs on the Project, the City will invoice the DDA at a frequency no more than monthly. The DDA shall reimburse the City for the DDA's portion of incurred costs within 30 days of receipt of an invoice from the City.
6. Notwithstanding the DDA's funding of a share of the Project, the parties agree that responsibility for management of the Project, including all aspects of the contract with the Contractor, rests with the City.
7. The parties understand and agree that the dollar amounts in Exhibit B are estimates of Project costs and that the actual costs may differ. However, the percentages for each category of costs identified in Exhibit B are agreed to between the parties and cannot be changed except by Amendment to this Agreement. The DDA's obligation to fund its share of the Project includes the obligation to fund change orders, authorized in writing prior to the work being performed, for its share of the Project. The parties agree that any change order that affects shares of the Project of both parties will be paid in proportion to those percentages agreed to by the City and the DDA and identified in Exhibit B, provided that the DDA's share of Project costs shall not exceed a maximum of \$150,037.68.
8. In the event any claims are brought against the DDA and/or the City by the Contractor, or a subcontractor, vendor or supplier for the construction phase of the Street Lighting Replacement – Kerrytown Market and Liberty Street Project and arising out of the construction or related work on the Project, costs incurred by the City in defending or resolving such claims shall be considered Project costs and will be funded in the same manner and proportion as the work to which the claims pertain. Any change order that results from a claim shall be funded as provided in Paragraph 7.
9. Each of the persons signing this Agreement represents and warrants that he or she has authority to sign this Agreement on behalf of the DDA or the City of Ann Arbor, respectively.

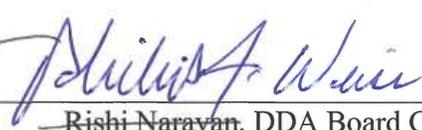
CITY OF ANN ARBOR, a Michigan  
municipal corporation

ANN ARBOR DOWNTOWN  
DEVELOPMENT AUTHORITY, a public  
corporation

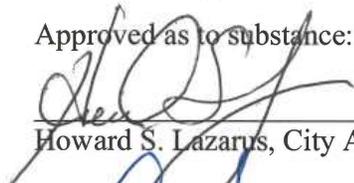
By:   
Christopher Taylor, Mayor

By:   
Susan Pollay, DDA Executive Director

By:   
Jacqueline Beaudry, City Clerk

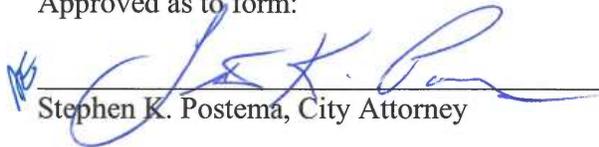
By:   
~~Rishi Narayan~~, DDA Board Chair  
Phillip Weiss

Approved as to substance:

  
Howard S. Lazarus, City Administrator

  
Craig Hupy, Public Services Area Administrator

Approved as to form:

  
Stephen K. Postema, City Attorney

## **EXHIBIT A**

Attached as Exhibit A is the Project design, detailing the scope of the construction work for the Street Lighting Replacement – Kerrytown Market and Liberty Street Project.

REV.	DATE	DESCRIPTION
1	08-07-2017	ISSUED FOR BID

**NOTE:** THE UNDERSIGNED LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL, POWER, AND CABLE TV ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE CONTRACTOR SHALL CALL ALL UTILITIES AND OBTAIN PERMISSION TO DIG. ALL RECORD DRAWINGS SHALL BE OBTAINED FROM THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ANN ARBOR.

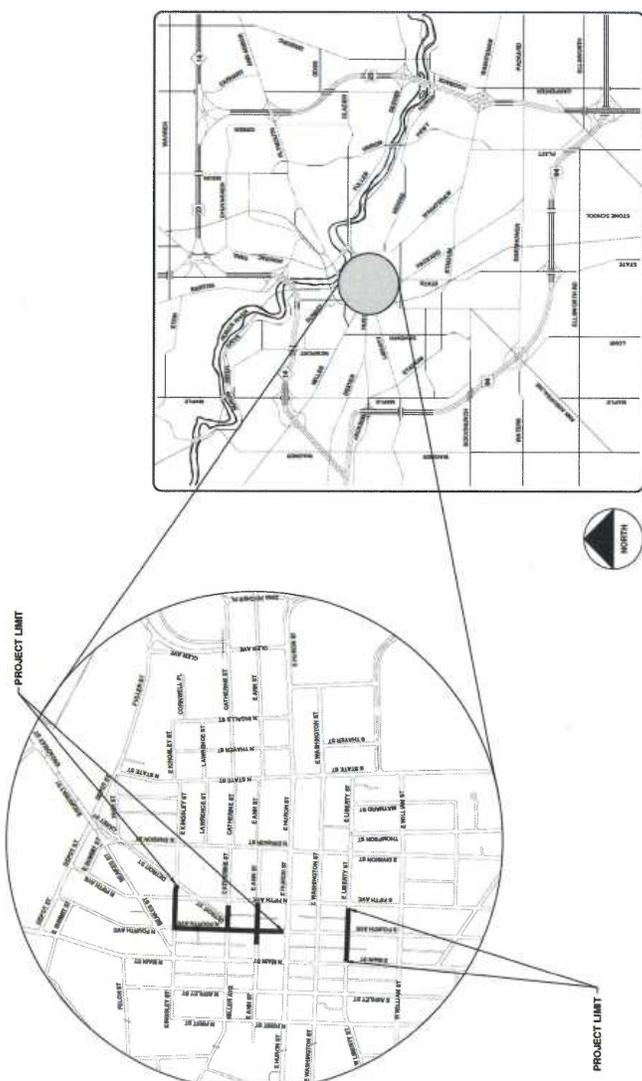
# CITY OF ANN ARBOR

## PUBLIC WORKS

### STREET LIGHTING REPLACEMENT -

### KERRYTOWN MARKET AND LIBERTY STREET

ITB No. 4494



SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
1	COVER SHEET	15	E KINGLEY ST, REMOVAL AND CONSTRUCTION PLAN
2	NOTES, LEGEND AND CONTACTS	17	NOTES, LIGHT FIXTURE SCHEDULE AND DETAILS
3	DETAIL SHEET 1	19	E LIBERTY ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
4	DETAIL SHEET 2	20	E LIBERTY ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
5	E LIBERTY ST, REMOVAL AND CONSTRUCTION PLAN	21	S FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN
6	E LIBERTY ST, REMOVAL AND CONSTRUCTION PLAN	22	N FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN
7	S FOURTH AVE, REMOVAL AND CONSTRUCTION PLAN	23	N FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN
8	N FOURTH AVE, REMOVAL AND CONSTRUCTION PLAN	24	N FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN
9	N FOURTH AVE, REMOVAL AND CONSTRUCTION PLAN	25	N FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN
10	N FOURTH AVE, REMOVAL AND CONSTRUCTION PLAN	26	E ANN ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
11	N FOURTH AVE, REMOVAL AND CONSTRUCTION PLAN	27	E ANN ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
12	E ANN ST, REMOVAL AND CONSTRUCTION PLAN	28	CATHERINE ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
13	E ANN ST, REMOVAL AND CONSTRUCTION PLAN	29	E KINGLEY ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
14	CATHERINE ST, REMOVAL AND CONSTRUCTION PLAN	30	E KINGLEY ST, ELECTRIC DEMOLITION AND NEW WORK PLAN
15	E KINGLEY ST, REMOVAL AND CONSTRUCTION PLAN		



**PROJECT MANAGEMENT SERVICES UNIT**

ENGINEER'S SEAL

CHRIS ELEGASIS, P.E. - M LICENSE NO. 56720  
PUBLIC WORKS ENGINEER

DATE: 04/07/2017

ENGINEER'S SEAL

PREPARED UNDER THE SUPERVISION OF

JAMES A. WILSON, P.E. - M LICENSE NO. 42582  
FCH PROJECT MANAGER

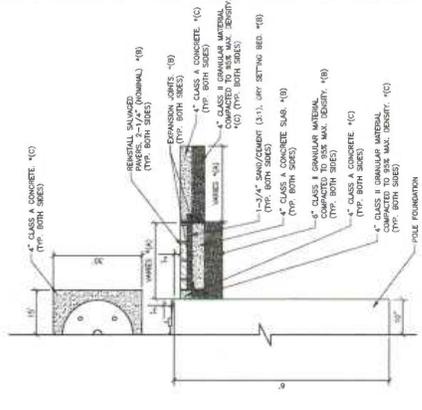
DATE: 04/07/2017



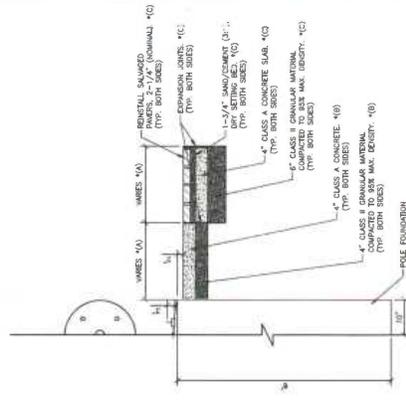


REV	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	04-07-2017	BRM/AMM	JAM

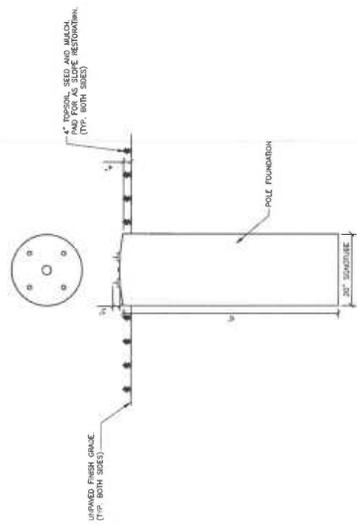
CITY OF ANN ARBOR  
PUBLIC SERVICES  
STREET LIGHTING REPLACEMENT  
SCHEMATIC DEVELOPMENT



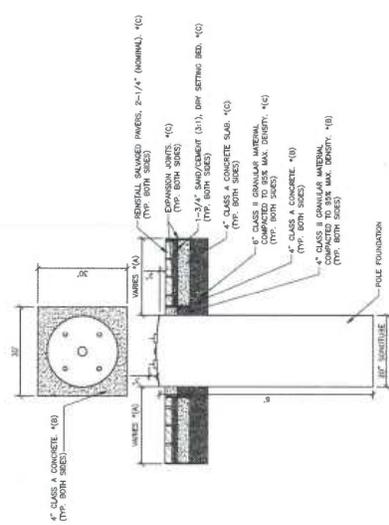
**PROPOSED HALF DETAIL C**  
1/2" SCALE



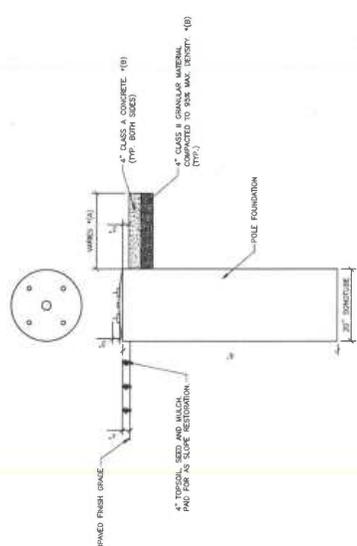
**PROPOSED HALF DETAIL F**  
1/2" SCALE



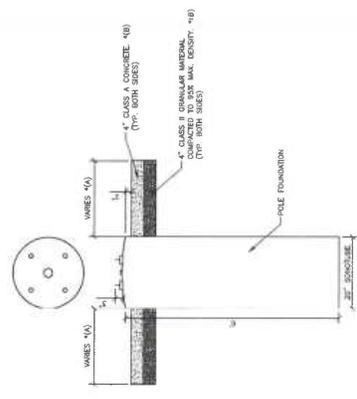
**PROPOSED DETAIL B**  
1/2" SCALE



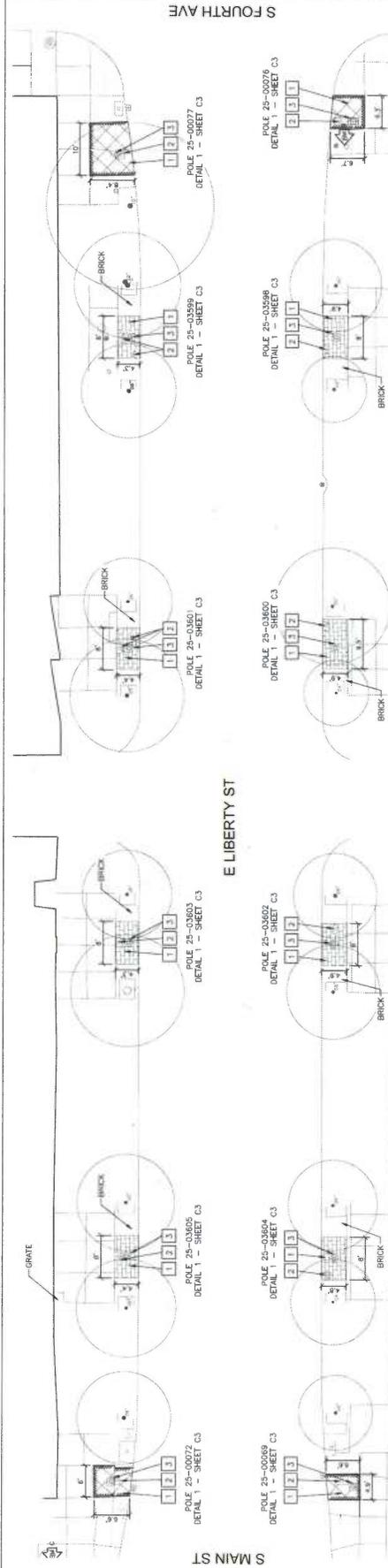
**PROPOSED DETAIL E**  
1/2" SCALE



**PROPOSED DETAIL A**  
1/2" SCALE



**PROPOSED DETAIL D**  
1/2" SCALE

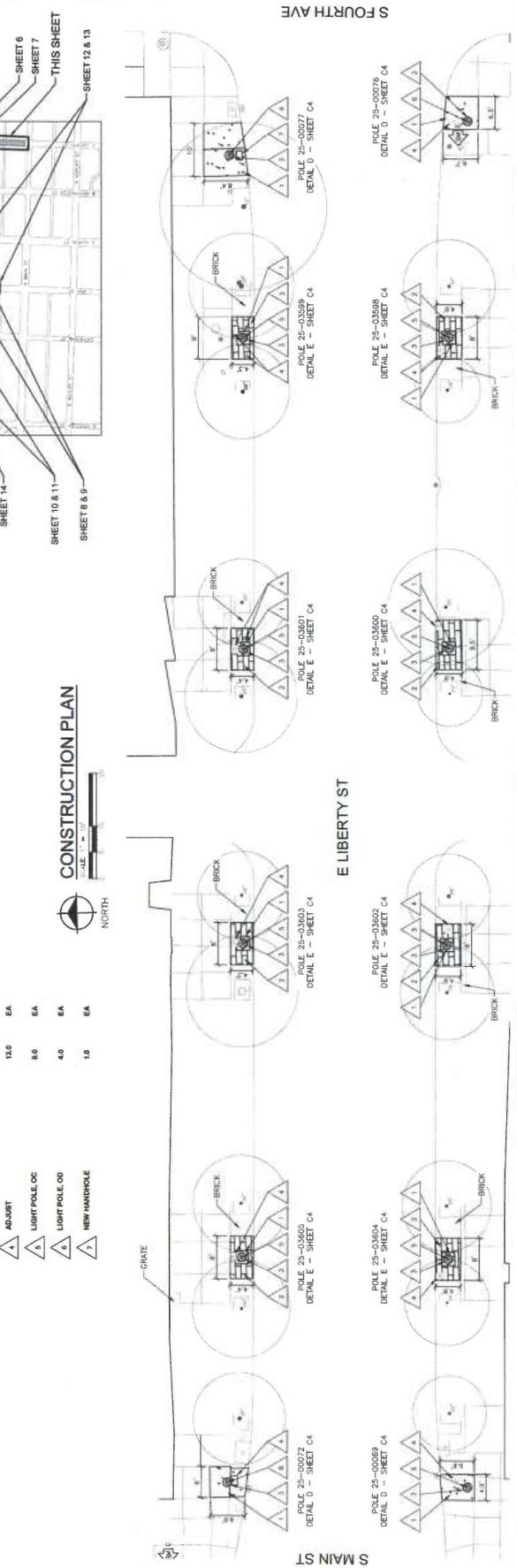


**REMOVAL PLAN**  
SCALE: 1" = 10'

**CONSTRUCTION PLAN**  
SCALE: 1" = 10'

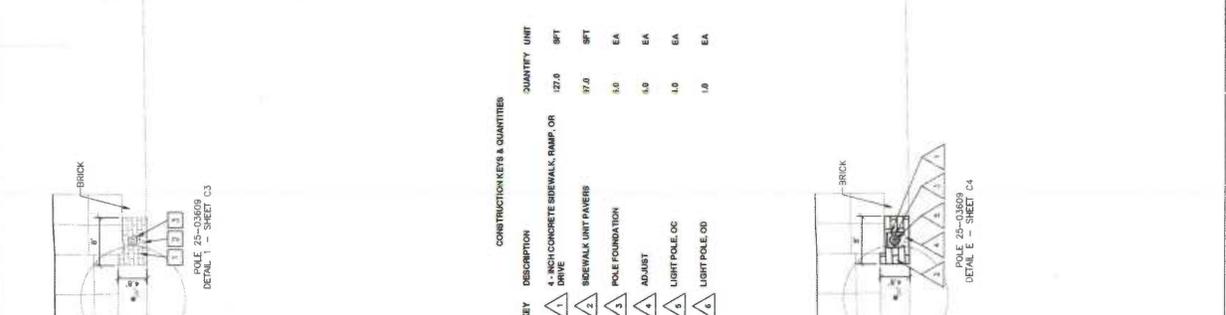
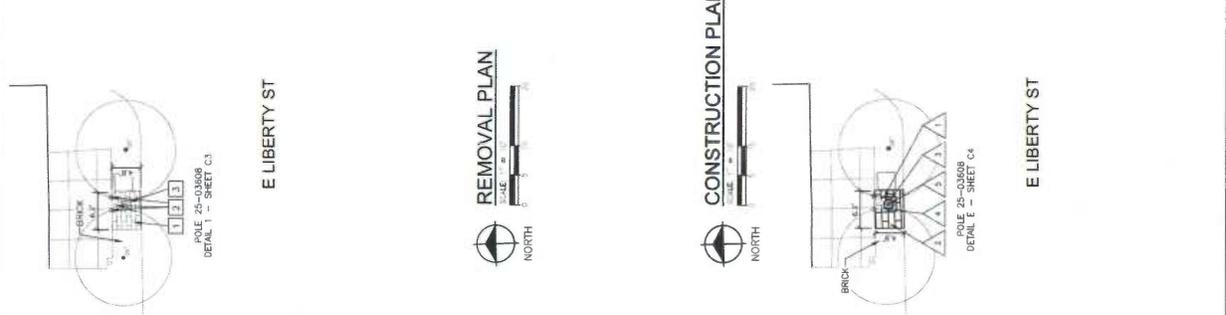
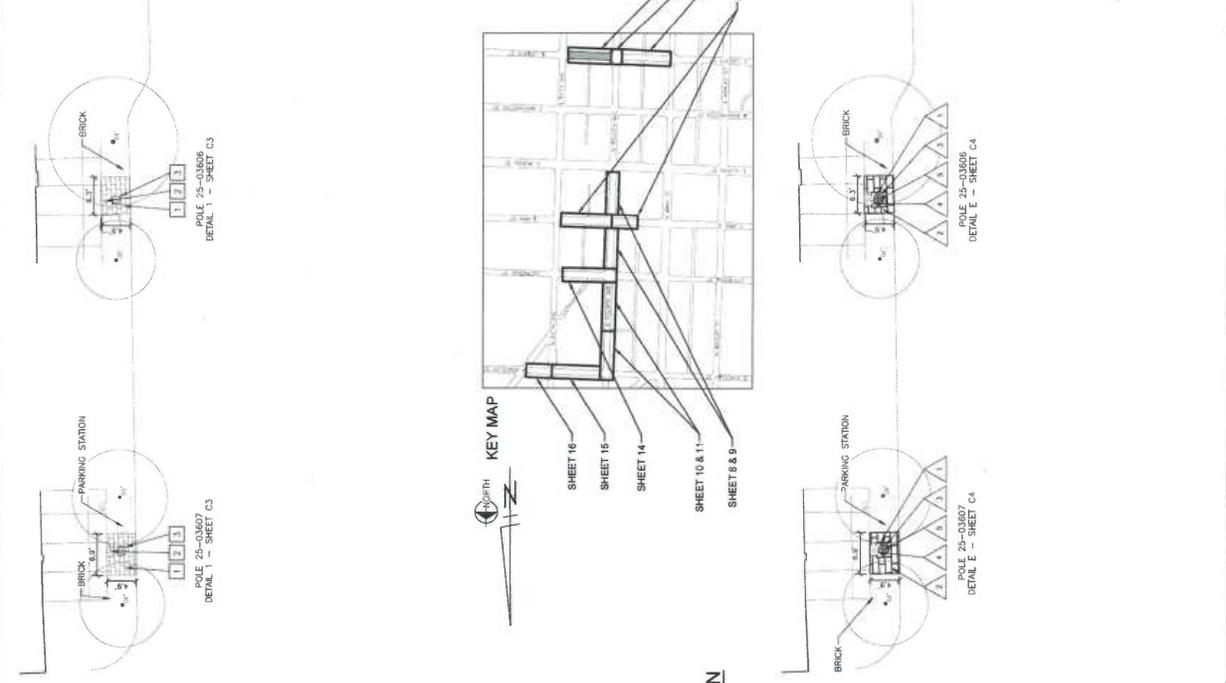
**KEY**

KEY	DESCRIPTION	QUANTITY	UNIT	CONSTRUCTION KEYS & QUANTITIES	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE ANY WIDTH	41.3	SFT	1 6" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	246.0	SFT
2	PROTECT PAD FOR AS "GENERAL CONDITIONS"	14.0	EA	2 SIDEWALK UNIT PAVERS	229.0	SFT
3	LIGHT POLE AND FOUNDATION, REMOVAL	12.0	EA	3 LIGHT POLE FOUNDATION	12.0	EA
				4 ADJUST	12.0	EA
				5 LIGHT POLE OC	8.0	EA
				6 LIGHT POLE OD	4.0	EA
				7 NEW HANDHOLE	1.0	EA



REV	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	04-27-2017	SRV/JAM	

City of Ann Arbor  
 Call before you dig.  
 811



REMOVAL KEYS & QUANTITIES		CONSTRUCTION KEYS & QUANTITIES	
KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" MIN THICKNESS	286.0	SFT
2	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	127.0	SFT
3	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	97.0	SFT
4	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	5.0	EA
5	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	4.0	EA
6	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	4.0	EA
7	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	1.0	EA

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	04/27/2017	SRJ/JAM	JAM

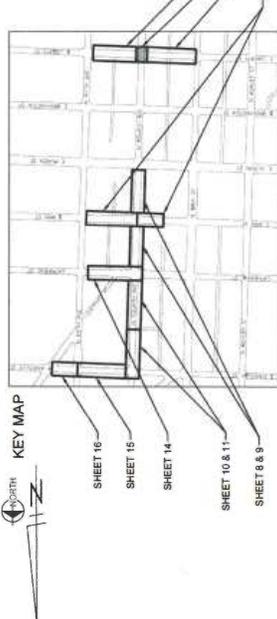
811  
 Call before you dig.  
 Kiewit Construction Company



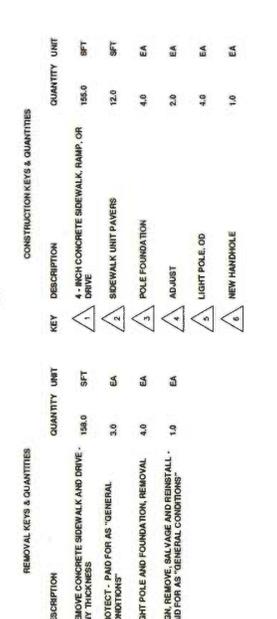
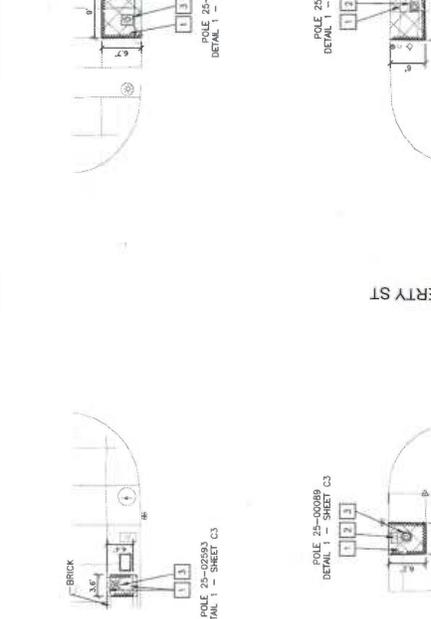
CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 EAST MAIN STREET  
 ANN ARBOR, MI 48106  
 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 STREET LIGHTING REPLACEMENT -  
 KENYOTOWN MARKET AND LIBERTY STREETS  
 S FOURTH AVE. REMOVAL AND CONSTRUCTION PLAN

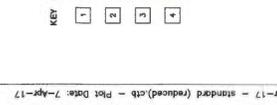
2017-026-C3  
 SHEET No. 7 OF 30



KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS	156.0	SFT
2	PROJECT PAD FOR AS "GENERAL CONDITIONS"	3.0	EA
3	LIGHT POLE AND FOUNDATION, REMOVAL	4.0	EA
4	SIGN REMOVE, SALVAGE AND REINSTALL - PAD FOR AS "GENERAL CONDITIONS"	1.0	EA
5	4' X 4' CONCRETE SIDEWALK, NAMP, OR DRIVE	156.0	SFT
6	SIDEWALK UNIT PAVERS	12.0	SFT
7	POLE FOUNDATION	4.0	EA
8	ADJUST	2.0	EA
9	LIGHT POLE CD	4.0	EA
10	NEW HANDSICLE	1.0	EA



KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS	156.0	SFT
2	PROJECT PAD FOR AS "GENERAL CONDITIONS"	3.0	EA
3	LIGHT POLE AND FOUNDATION, REMOVAL	4.0	EA
4	SIGN REMOVE, SALVAGE AND REINSTALL - PAD FOR AS "GENERAL CONDITIONS"	1.0	EA
5	4' X 4' CONCRETE SIDEWALK, NAMP, OR DRIVE	156.0	SFT
6	SIDEWALK UNIT PAVERS	12.0	SFT
7	POLE FOUNDATION	4.0	EA
8	ADJUST	2.0	EA
9	LIGHT POLE CD	4.0	EA
10	NEW HANDSICLE	1.0	EA



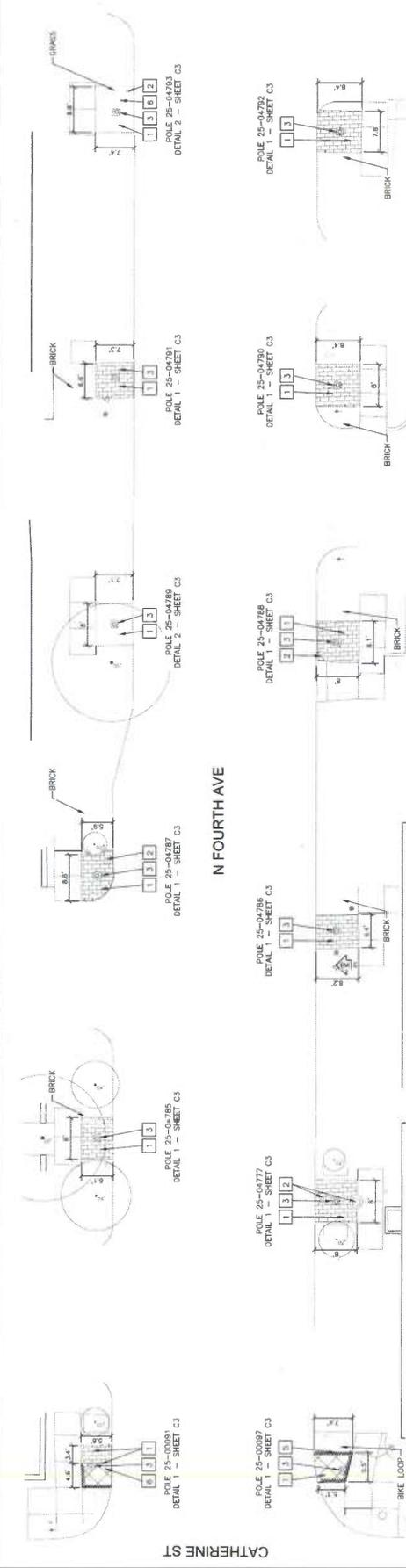




REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
1	ISSUED FOR BID	04-07-2017	SRV JAMM	AMT



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 KRATONUM REPLACEMENT - KRATONUM MARKET AND LIBERTY STREETS  
 N FOURTH AVE. REMOVAL AND CONSTRUCTION PLAN

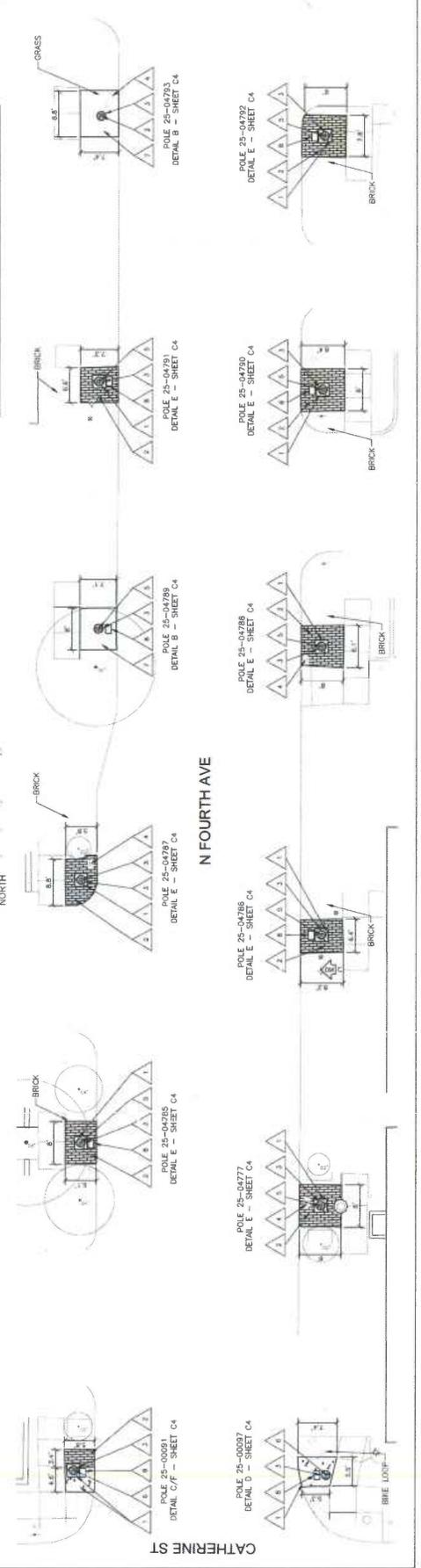


REMOVAL KEYS & QUANTITIES

KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS	615.0	SFT
2	PROTECT - PAID FOR AS "GENERAL CONDITIONS"	4.0	EA
3	LIGHT POLE AND FOUNDATION, REMOVAL	12.0	EA
4	BIKE RACK REMOVE, SALVAGE & REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	1.0	EA
5	BIKE RACK REMOVE, SALVAGE & REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	1.0	EA

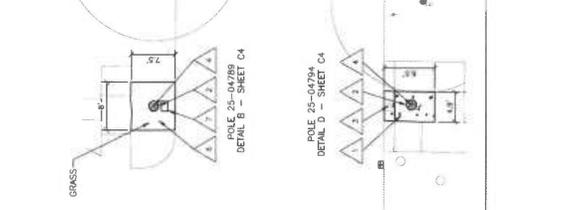
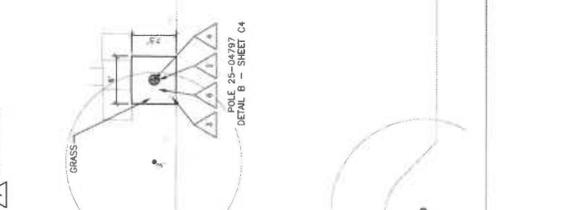
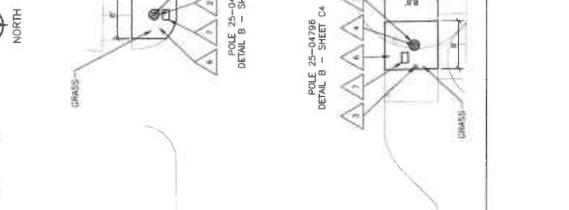
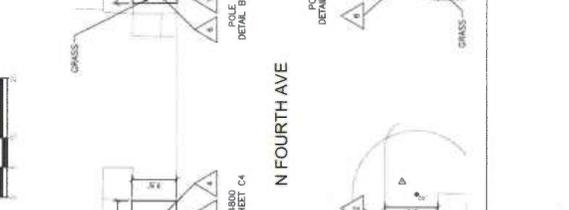
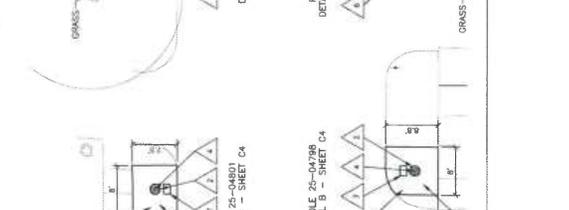
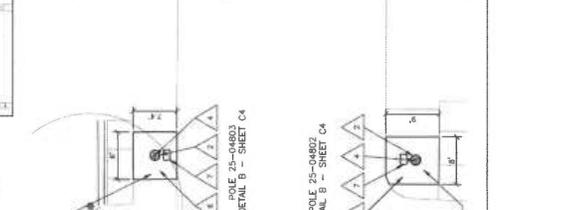
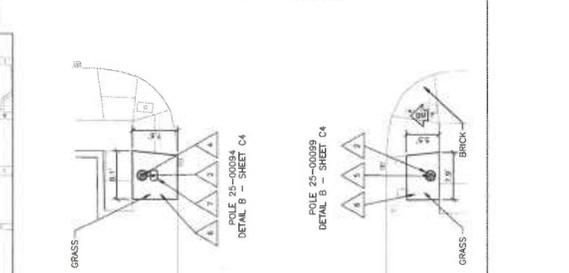
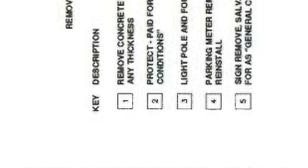
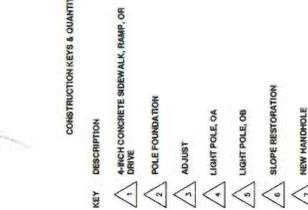
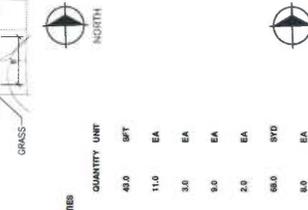
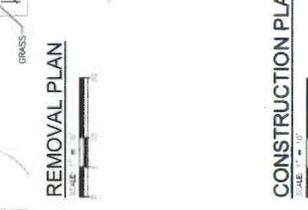
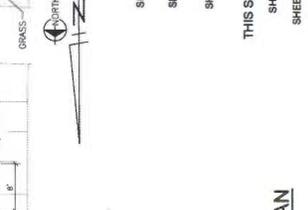
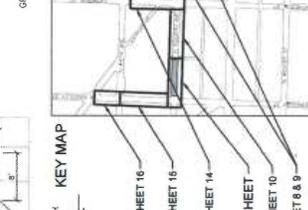
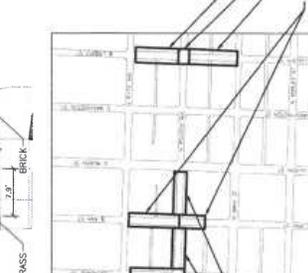
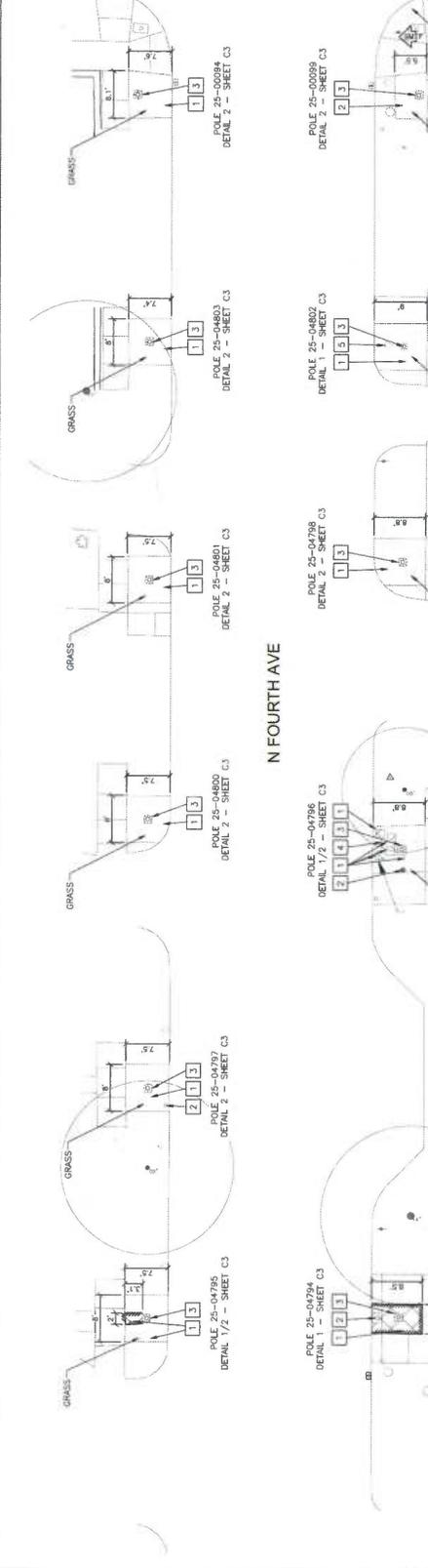
CONSTRUCTION KEYS & QUANTITIES

KEY	DESCRIPTION	QUANTITY	UNIT
1	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	115.0	SFT
2	BIKE RACK REMOVE, SALVAGE & REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	415.0	SFT
3	POLE FOUNDATION	12.0	EA
4	ADJUST	4.0	EA
5	LIGHT POLE, OA	18.0	EA
6	LIGHT POLE, OB	2.0	EA
7	SLOPE RESTORATION	14.0	SQYD
8	NEW HANDBOLE	8.0	EA



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	06-07-2017	BM JAM	JAM

CITY OF ANN ARBOR  
 811  
 CALL BEFORE YOU DIG

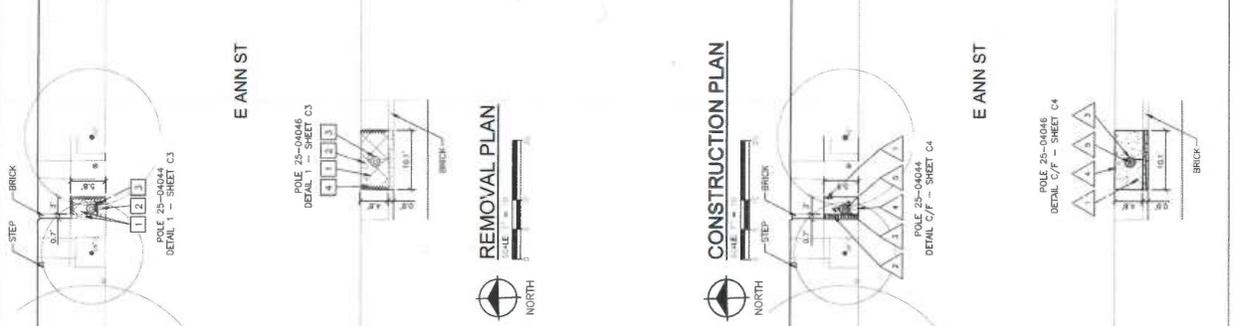
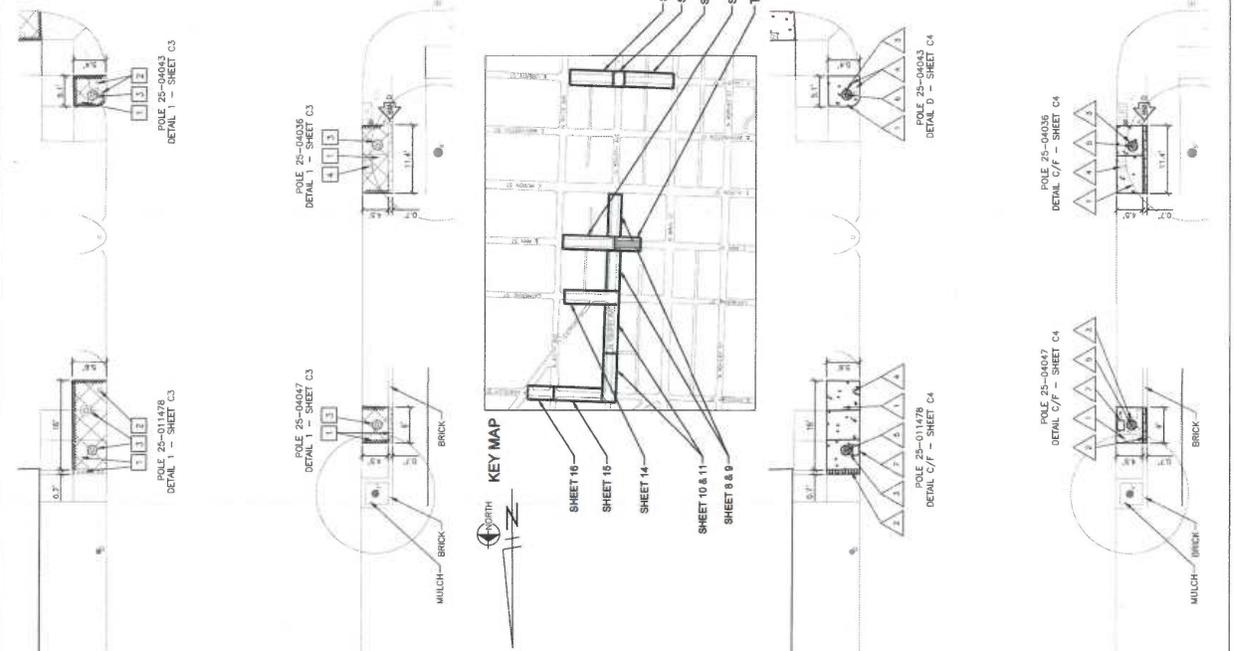


REMOVAL KEYS & QUANTITIES		CONSTRUCTION KEYS & QUANTITIES	
KEY	DESCRIPTION	KEY	DESCRIPTION
1	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY TROGERS FOR AS "GENERAL CONDITIONS"	1	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE
2	LIGHT POLE AND FOUNDATION REMOVAL	2	POLE FOUNDATION
3	PARKING METER REMOVAL, SALVAGE & REINSTALL	3	ADJUST
4	SKIN REMOVE SALVAGE & REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	4	LIGHT POLE 0A
		5	LIGHT POLE 0B
		6	SLOPE RESTORATION
		7	NEW HANDBOLE

KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY TROGERS FOR AS "GENERAL CONDITIONS"	646.0	SFT
2	LIGHT POLE AND FOUNDATION REMOVAL	3.0	EA
3	PARKING METER REMOVAL, SALVAGE & REINSTALL	11.0	EA
4	SKIN REMOVE SALVAGE & REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	3.0	EA
5	LIGHT POLE 0A	9.0	EA
6	LIGHT POLE 0B	2.0	EA
7	SLOPE RESTORATION	68.0	SQYD
8	NEW HANDBOLE	8.0	EA

REV.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR BID	06-07-17	SM/AMM	JAM

City of Ann Arbor  
 PUBLIC SERVICES  
 201 EAST MAIN STREET  
 ANN ARBOR, MI 48106  
 734-968-4000  
 www.a2gov.org



REMOVAL KEYS & QUANTITIES		CONSTRUCTION KEYS & QUANTITIES	
KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE- ANY THICKNESS	386.0	SFT
2	PROTECT - PAIP FOR AS "GENERAL CONDITIONS"	7.0	EA
3	LIGHT POLE AND FOUNDATION REMOVAL	10.0	EA
4	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	386.0	SFT
5	SIDEWALK UNIT PAVEMENT	38.0	SFT
6	POLE FOUNDATION	6.0	EA
7	ADJUST	7.0	EA
8	LIGHT POLE, OA	14.0	EA
9	LIGHT POLE, OB	5.0	EA
10	NEW HANDHOLE	5.0	EA

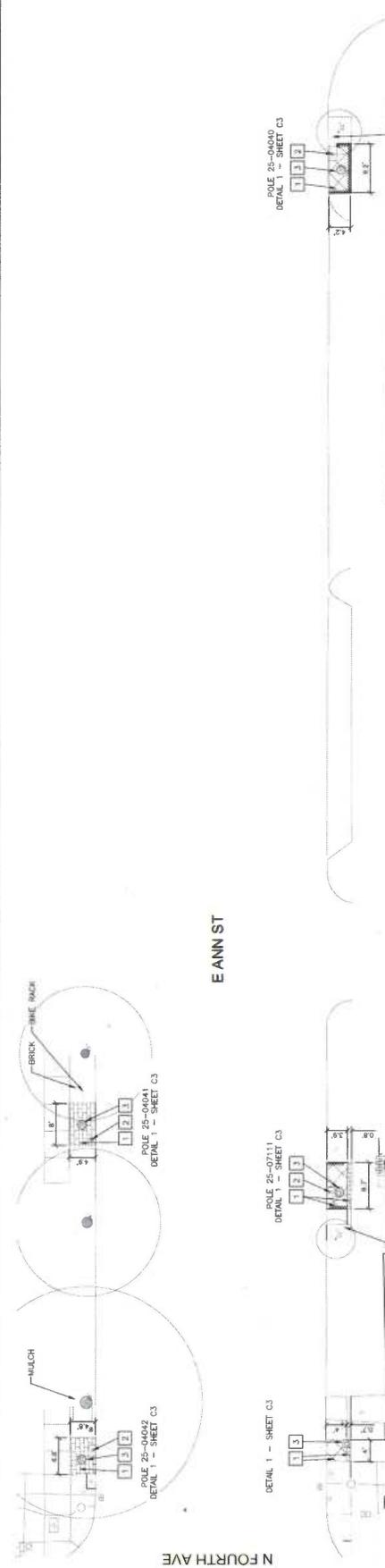
REV.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR BID	04/07/2017	BS/AMM	JAM

FORMERLY BROWN  
811  
Call before you dig

CITY OF ANN ARBOR  
201 EAST MAIN STREET  
ANN ARBOR, MI 48106-1500  
www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
STREET LIGHTING REPLACEMENT -  
KERRTOWN MARKET AND LIBERTY STREETS  
E ANN ST, REMOVAL AND CONSTRUCTION PLAN

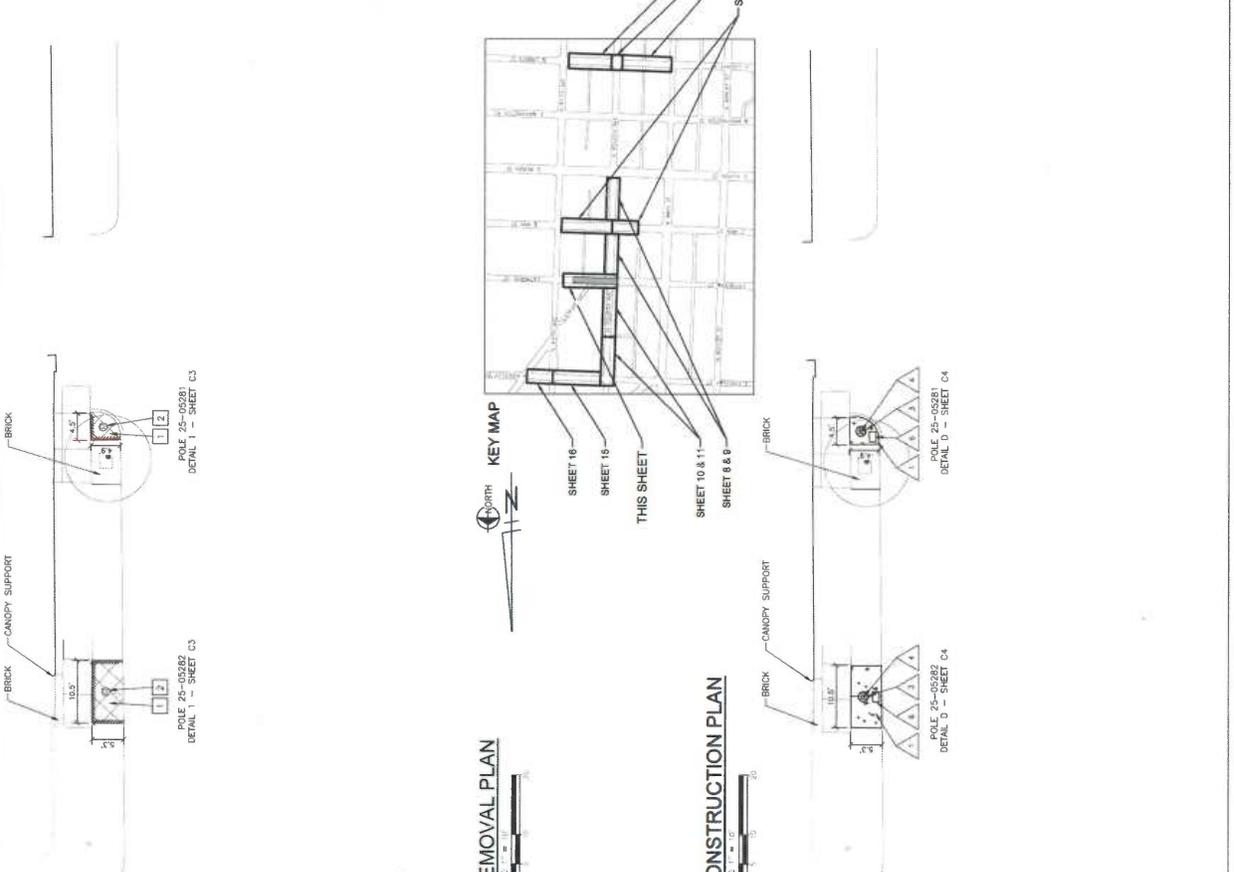
2017-028-C9  
SCALE: 1/8" = 1'-0"  
SHEET No. 13 OF 30



REMOVAL KEYS & QUANTITIES		CONSTRUCTION KEYS & QUANTITIES					
KEY	DESCRIPTION	QUANTITY	UNIT	KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - 146.6	146.6	SFT	1	BRICK CONCRETE SIDEWALK, RAMP, OR DRIVE	106.0	SFT
2	PROTECT AND FOR AS "GENERAL CONDITIONS"	4.0	EA	2	BIKEWALK UNIT PAVERS	65.0	SFT
3	LIGHT POLE AND FOUNDATION REMOVAL	5.0	EA	3	POLE FOUNDATION	5.0	EA
				4	ADJUST	4.0	EA
				5	LIGHT POLE OA	3.0	EA
				6	LIGHT POLE OB	2.0	EA
				7	NEW HANDHOLE	1.0	EA

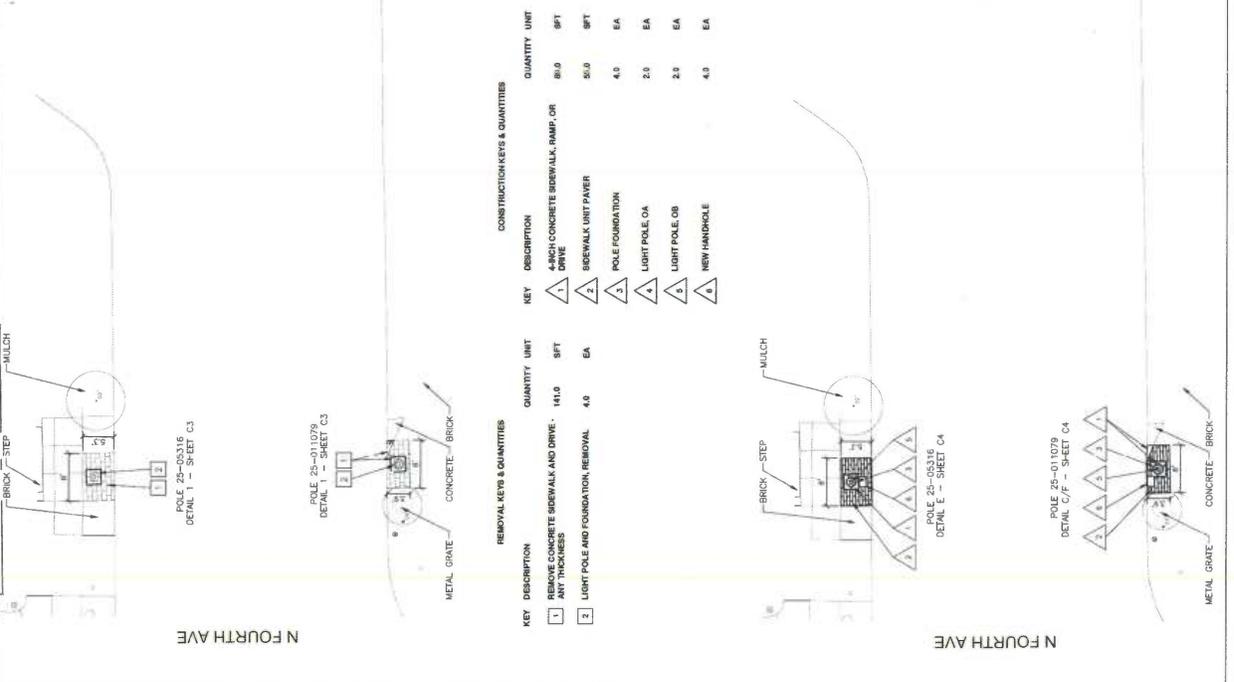
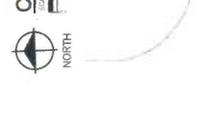
REV.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR BID	08-07-17	SHI/JAM	JAM

811  
 Call before you dig.  
 CITY OF ANN ARBOR  
 300 EAST FRENCH STREET  
 ANN ARBOR, MI 48106-1500  
 www.a2gov.org



KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE WALK	141.0	SFT
2	LIGHT POLE AND FOUNDATION, REMOVAL	4.0	EA

KEY	DESCRIPTION	QUANTITY	UNIT
1	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	86.0	SFT
2	SIDEWALK UNIT PAVEMENT	56.0	SFT
3	POLE FOUNDATION	4.0	EA
4	LIGHT POLE, OA	2.0	EA
5	LIGHT POLE, OB	2.0	EA
6	NEW HANGAR	4.0	EA

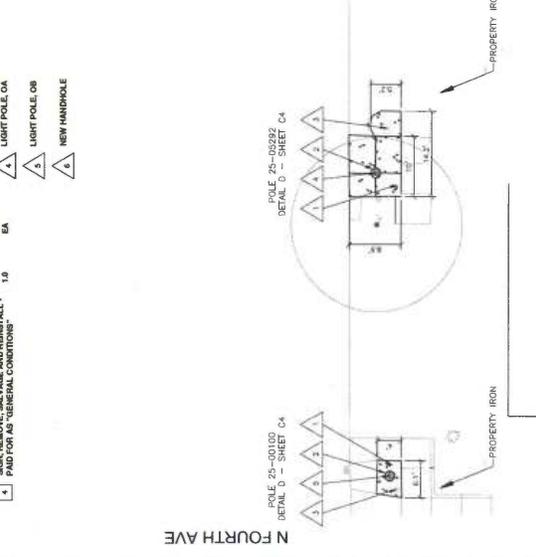
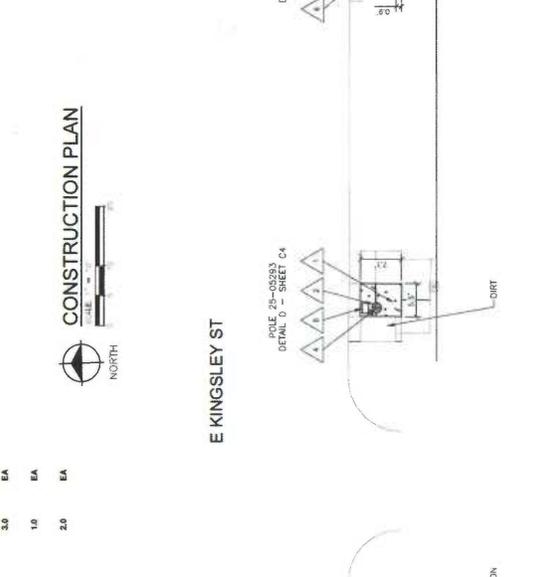
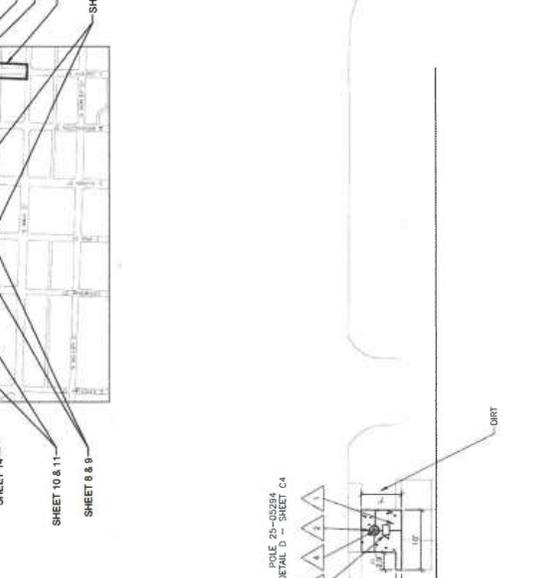
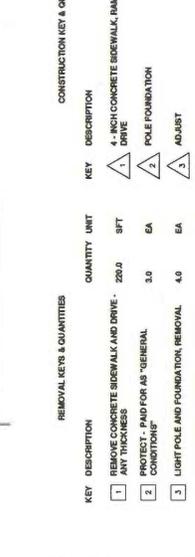
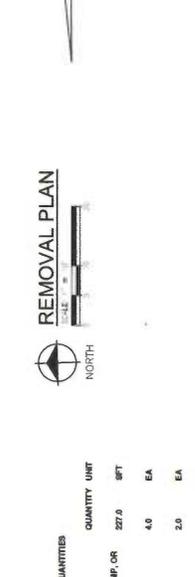
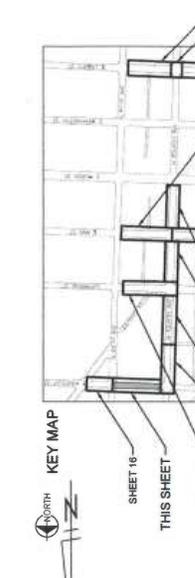
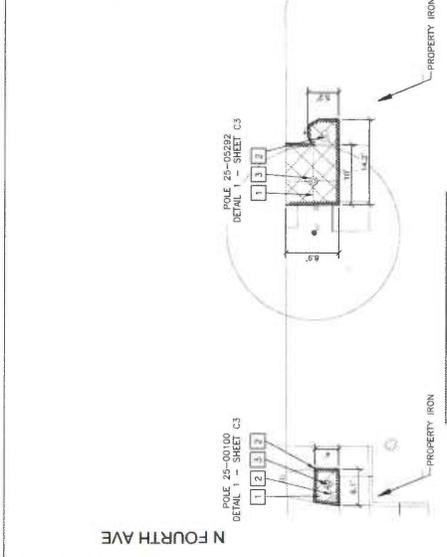
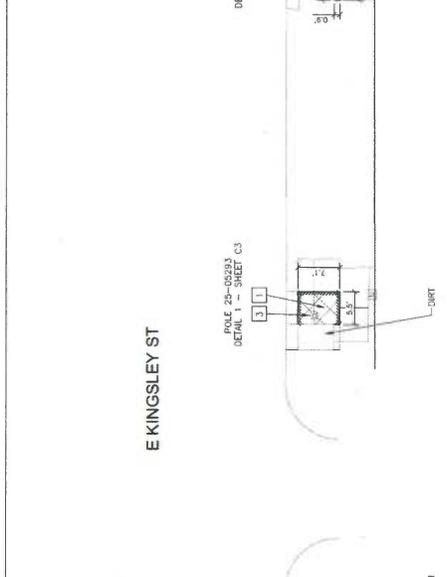
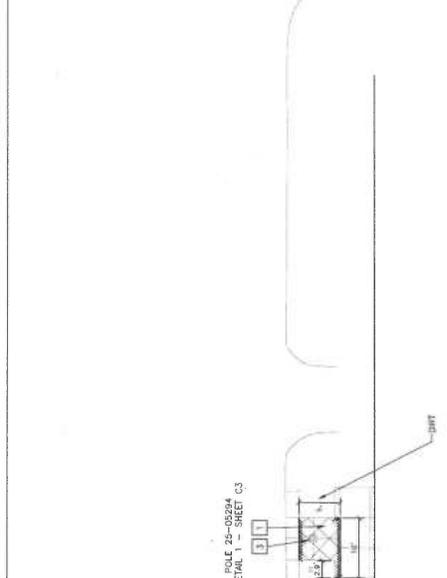


KEY	ISSUED FOR BID	REVISION	DATE	BY	CHECKED
1			04-10-2017		
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

811  
 Call before you dig.  
 KODAK BROWN  
 www.811.org

CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 EAST WILSON STREET  
 ANN ARBOR, MI 48106  
 734.968.4447  
 www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 STREET LIGHTING REPLACEMENT -  
 KERRITOWN MARKET AND LIBERTY STREETS  
 E KINGSLEY ST, REMOVAL AND CONSTRUCTION PLAN  
 SCALE: N/A  
 DRAWING NO. 2017-028-C11  
 SHEET NO. 15 OF 30



REMOVAL ITEMS & QUANTITIES		CONSTRUCTION KEY & QUANTITIES					
KEY	DESCRIPTION	QUANTITY	UNIT	KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE - 4" MIN THICKNESS	227.0	SFT	1	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	227.0	SFT
2	PROTECT - PAID FOR AS "GENERAL CONDITIONS"	3.0	EA	2	POLE FOUNDATION	4.0	EA
3	LIGHT POLE AND FOUNDATION REMOVAL	4.0	EA	3	ADJUST	2.0	EA
4	SOIL REMOVE, SALVAGE AND REINSTALL - PAID FOR AS "GENERAL CONDITIONS"	1.0	EA	4	LIGHT POLE, OA	3.0	EA
				5	LIGHT POLE, OB	1.0	EA
				6	NEW HANDPOLE	2.0	EA

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BIDD	04/27/17	SHI JIAN	JAM

CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 EAST FRENCH STREET  
 ANN ARBOR, MI 48101-4447  
 734.968.6000  
 www.annarbor.org



811  
 Call before you dig.  
 KODAK PHOTOGRAPHIC FILM

SHEET NO. 16 OF 30

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 STREET LIGHTING REPLACEMENT - KINGSLEY MARKET AND LIBERTY STREETS  
 E KINGSLEY ST, REMOVAL AND CONSTRUCTION PLAN  
 DRAWING NO. 2017-026-C13  
 SCALE: 1" = 12'

REMOVAL KEYS & QUANTITIES

KEY	DESCRIPTION	QUANTITY	UNIT
1	REMOVE CONCRETE SIDEWALK AND DRIVE .750' INT THICKNESS	72.0	SFT
2	LIGHT POLE AND FOUNDATION, REMOVAL	1.0	EA
3	REMOVE SALVAGE & REINSTALL - PWD FOR AS USUAL CONDITIONS	1.0	EA

CONSTRUCTION KEYS & QUANTITIES

KEY	DESCRIPTION	QUANTITY	UNIT
△	4-INCH CONCRETE SIDEWALK, RAMP, OR DRIVE	72.0	SFT
△	SIDEWALK UNIT PAVEN	64.0	SFT
△	POLE FOUNDATION	1.0	EA
△	LIGHT POLE OA	1.0	EA
△	NEW HANDICAP	1.0	EA

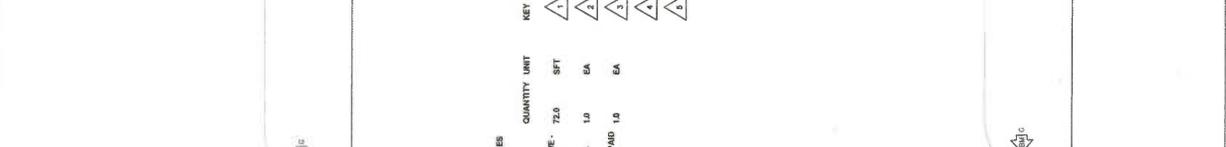
REMOVAL PLAN  
 SCALE: 1" = 12'



CONSTRUCTION PLAN  
 SCALE: 1" = 12'



KEY MAP



POLE 25-05295  
 DETAIL A - SHEET C3



POLE 25-05295  
 DETAIL E - SHEET C4



2017\170031\CAD\DWG\2018170031\_Kingsley2\_Remove and Construction.dwg Created: 7-Apr-17 - standard.ctb - Plot Date: 7-Apr-17

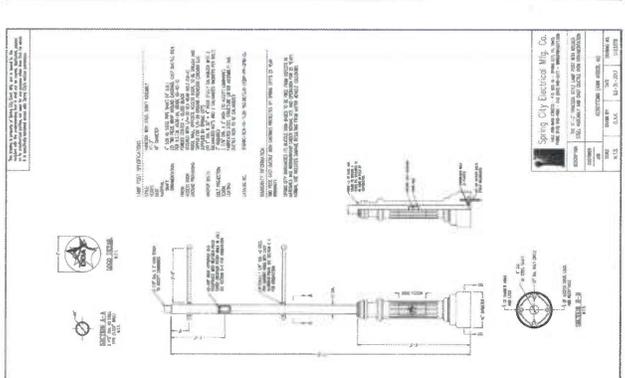
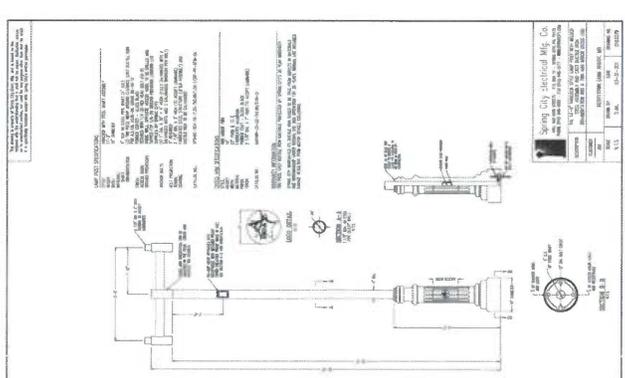
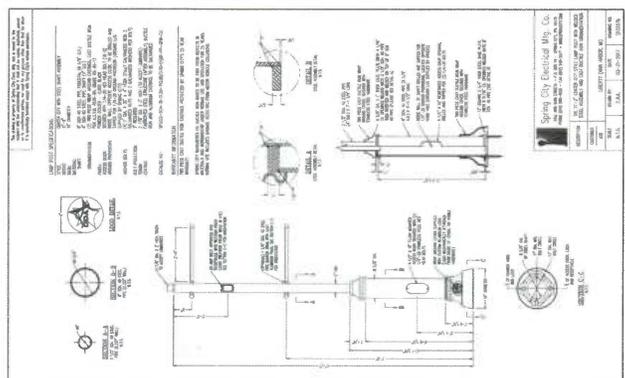
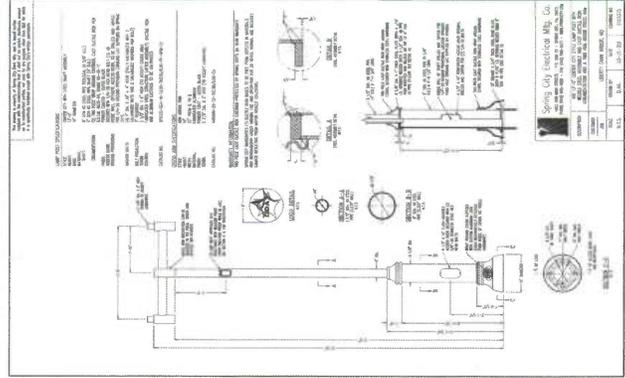




CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 200 EAST TOWN STREET  
 ANN ARBOR, MI 48107-0417  
 734-661-0000  
 www.annarbor.org

REV	ISSUED FOR BIDD	DESCRIPTION	DATE	DRAWN	CHECKED
1			04-27-2017	JMM	JMM

811  
 Call before you dig.  
 Know what's below.

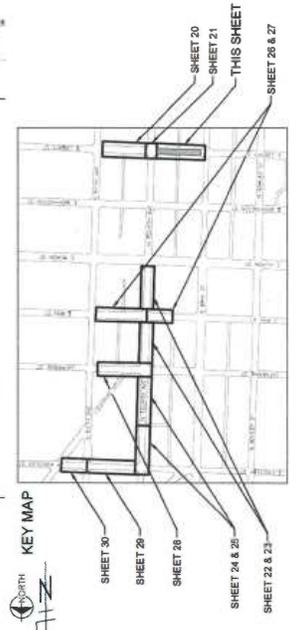
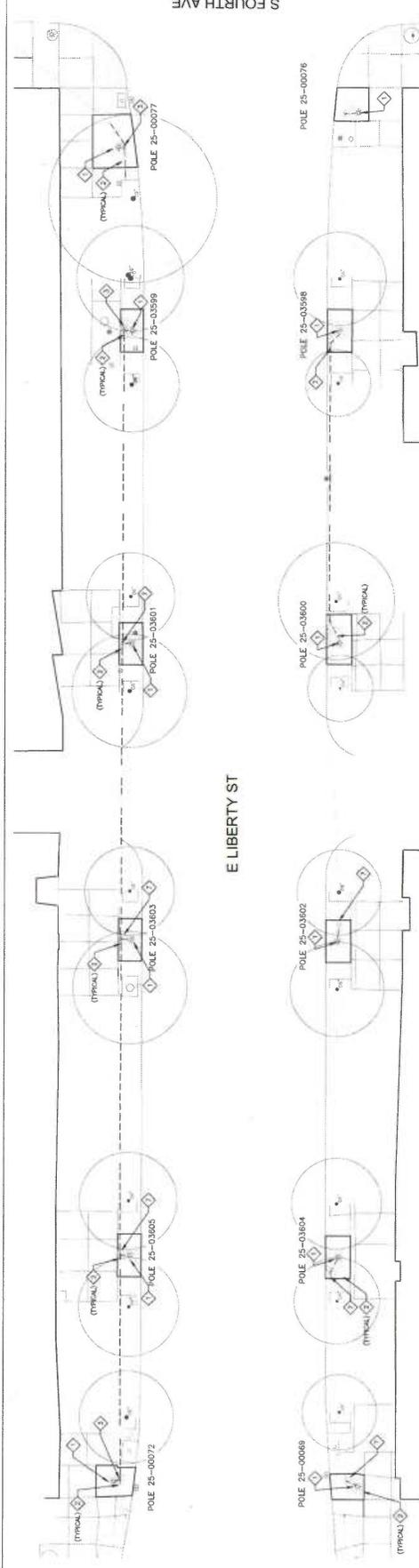


REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	04/07/2017	SM / JAM	JAM


 CITY OF ANN ARBOR  
 PUBLIC UTILITIES DEPARTMENT  
 20 EAST LIBERTY STREET  
 ANN ARBOR, MI 48106-1500  
 www.a2gov.org

PROJECT NAME	STREET LIGHTING REPLACEMENT - KENYOTON MARKET AND LIBERTY STREETS
DATE	2017-08-31
SHEET No.	19 OF 30

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 E LIBERTY ST, ELECTRIC DEMOLITION AND NEW WORK PLAN



**ELECTRICAL DEMOLITION PLAN**

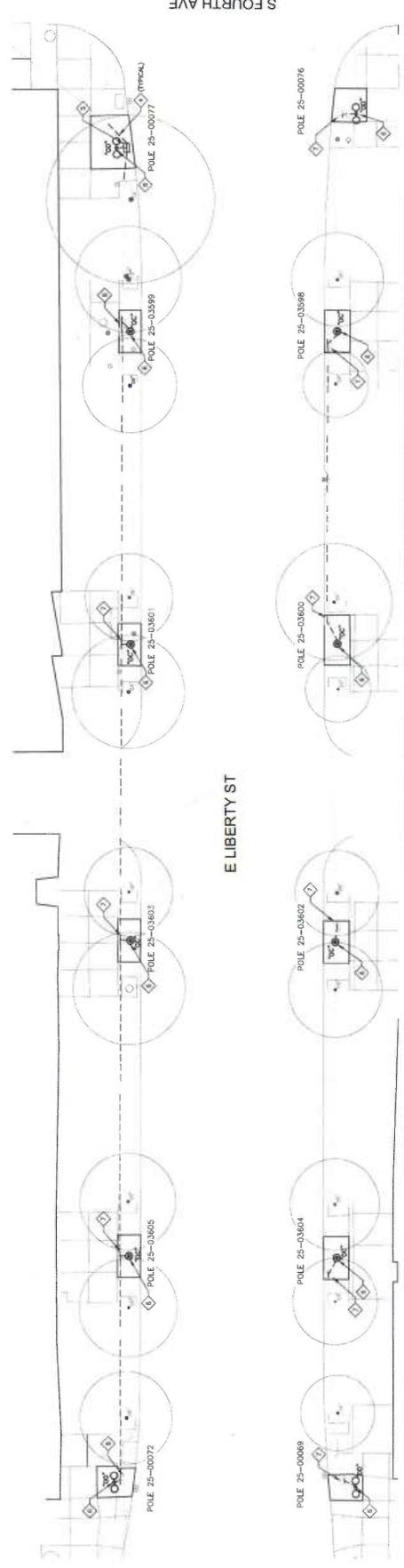


**KEY NOTES**

1. REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REGULATIONS.
2. REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
3. TEMPORARILY REMOVE WIRES AND CUT BACK CONDUITS TO REFER AND PROTECT EXISTING MATERIAL.
4. RELocate WHO HOLE TO ACCOMMODATE NEW BASE.
5. REUSE CONDUIT ROUTING AND REINSTALL EXISTING NEW HANDS.
6. NEW POLE BASE, PULL LUMINAIRES AND RECEPTACLE ALL EXISTING HANDS TO REMAIN ADJUST HEIGHT AS REQUIRED.
7. EXISTING HANDS TO REMAIN ADJUST HEIGHT AS REQUIRED.
8. RELOCATED HANDS ADJUST HEIGHT AS REQUIRED.

**NOTES**

1. ALL WIRE SHALL BE THIN/NEW.
2. ALL WIRE SHALL BE THIN/NEW.
3. ALL WIRE SHALL BE THIN/NEW.
4. ALL WIRE SHALL BE THIN/NEW.
5. ALL WIRE SHALL BE THIN/NEW.
6. ALL WIRE SHALL BE THIN/NEW.
7. ALL WIRE SHALL BE THIN/NEW.
8. ALL WIRE SHALL BE THIN/NEW.
9. ALL WIRE SHALL BE THIN/NEW.
10. ALL WIRE SHALL BE THIN/NEW.



**ELECTRICAL NEW WORK PLAN**





REV.	DESCRIPTION	DATE	DRAWN	CHECKED	SCALE
1	ISSUED FOR BID	04-07-2017	SR / JAM	JAM	

City of Ann Arbor  
Public Services  
201 East Huron Street  
Ann Arbor, MI 48101-1547  
www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
STREET LIGHTING REPLACEMENT -  
HENRYTOWN MARKET AND LIBERTY STREETS  
S FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN

2017-028-03  
SHEET NO. 21 OF 30

811  
Know what's below.  
Call before you dig.

LIBERTY ST  
S FOURTH AVE



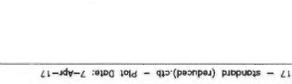
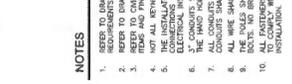
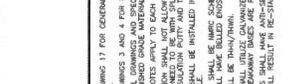
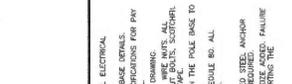
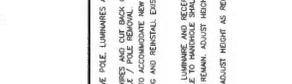
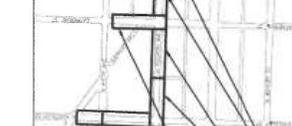
**NOTES**

- REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
- REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
- REPLACE EXISTING WIREMANS PANEL WITH NEW WIREMANS PANEL.
- NOT ALL NOTES APPLY TO EACH DRAWING.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE WIREMANS PANEL.

**KEY NOTES**

- RELOCATE AND REMOVE POLE LUMINAIRES AND RECEPTACLES.
- TEMPORARILY REMOVE WIRES AND CUT BACK CONDUITS TO RELOCATE HAND HOLES TO ACCOMMODATE NEW BASE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.
- REMOVE EXISTING ROUTING AND RENTAL EXISTING NEW HANDHOLE.

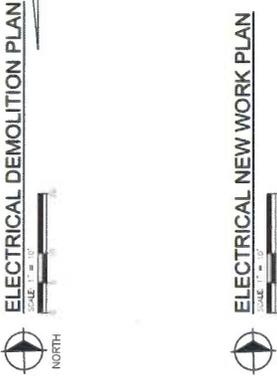
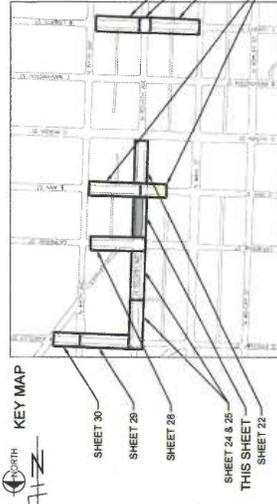
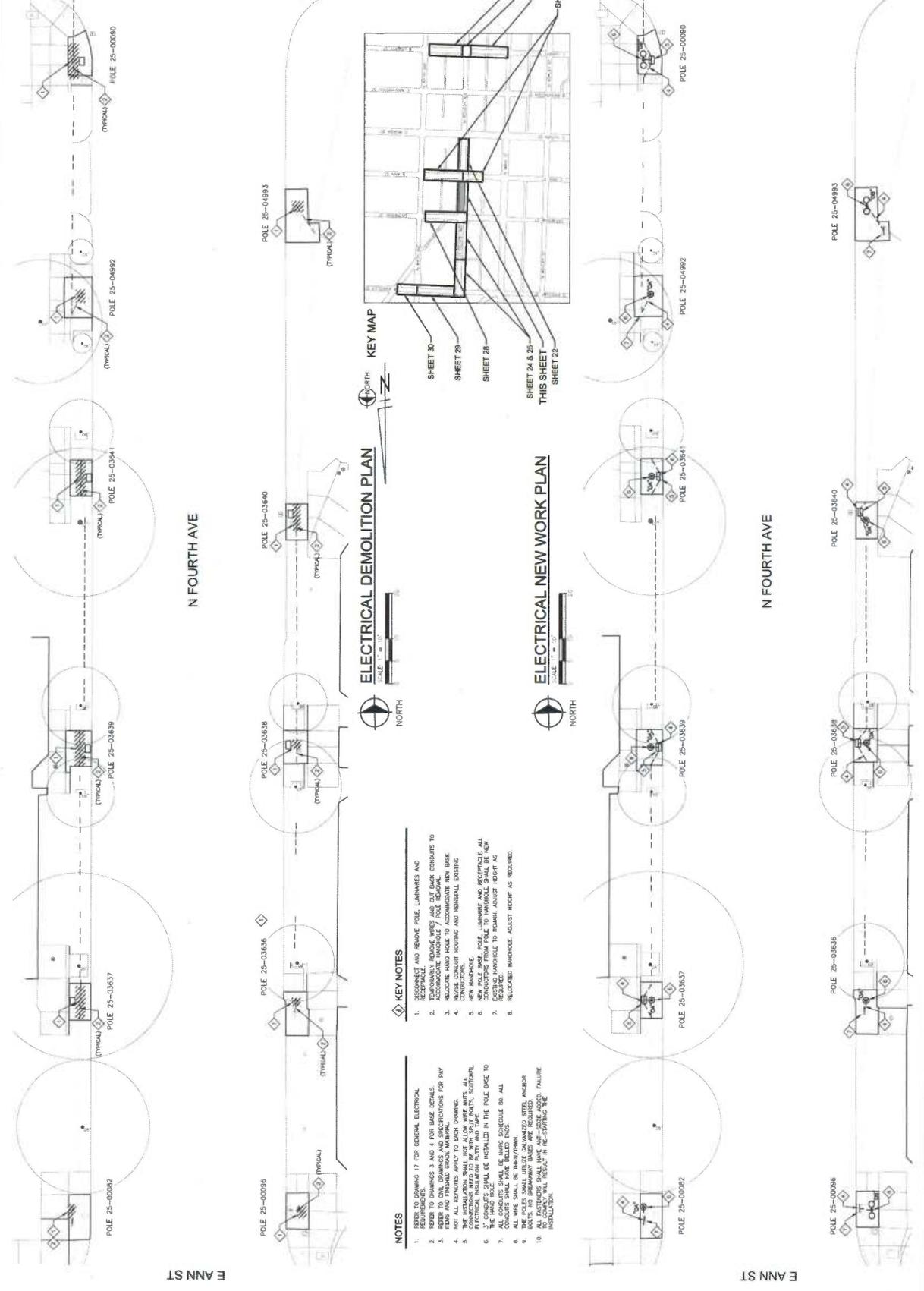
**ELECTRICAL DEMOLITION PLAN**





REV.	DESCRIPTION	DATE	DRAWN	CHECKED	NOTED
1	ISSUED FOR BIDD	08-07-2017	SM JAM	JAM	

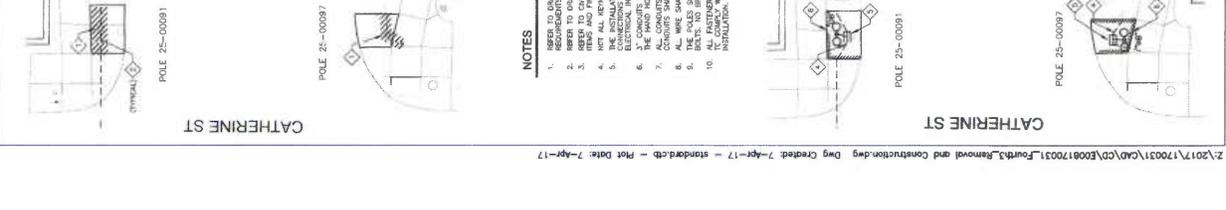
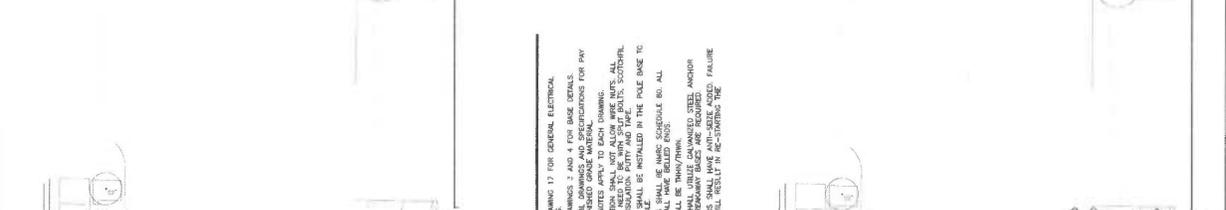
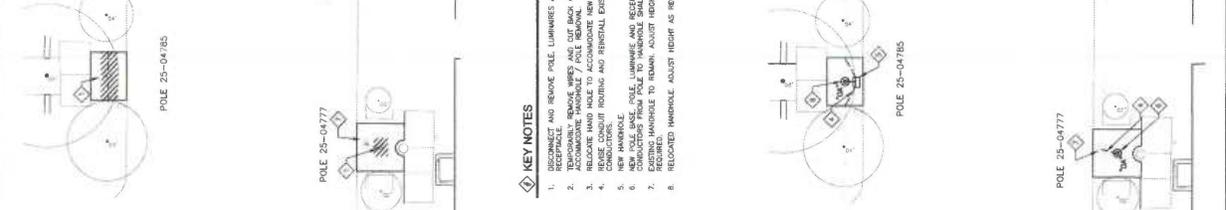
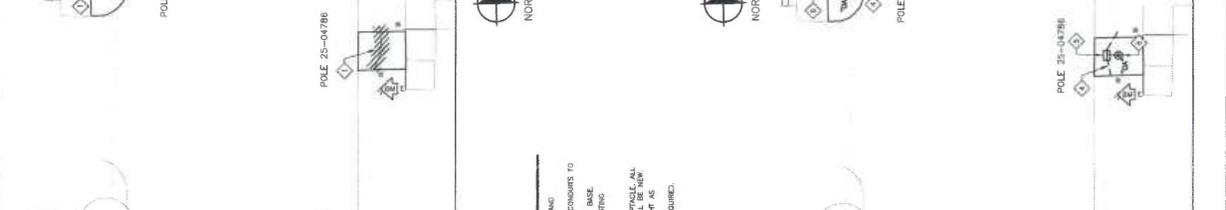
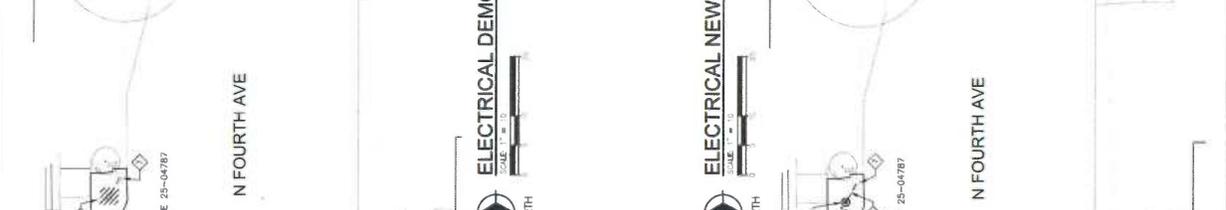
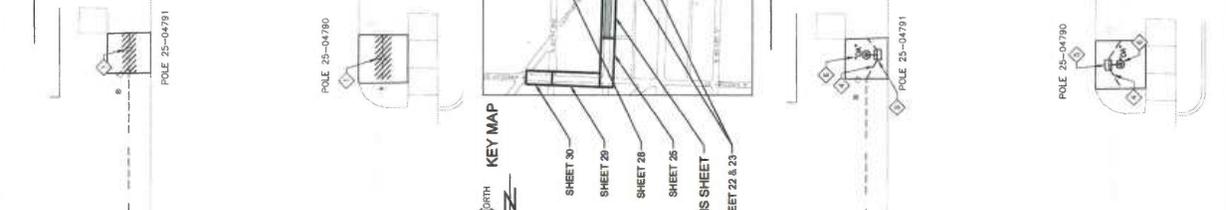
811  
 CALL BEFORE YOU DIG  
 CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 EAST HURON STREET  
 ANN ARBOR, MI 48107-4417  
 www.a2gov.org



- NOTES**
1. REFER DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
  2. REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
  3. REFER TO DRAWING 5 FOR DIMENSIONS FOR PAVEMENT AND CURB RISES.
  4. REFER TO DRAWING 6 FOR DIMENSIONS FOR PAVEMENT AND CURB RISES.
  5. NOT ALL NOTES APPLY TO EACH DRAWING.
  6. ELECTRICAL INSULATION SHALL BE 1/2" THICK POLYURETHANE INSULATION.
  7. THE WIND HOLE SHALL BE INSTALLED IN THE POLE BASE TO PROTECT THE WIND HOLE FROM DEBRIS.
  8. ALL WIRE SHALL BE THIN/THIN.
  9. ALL FASTENERS SHALL HAVE ANTI-CORROSION PROTECTION.
  10. ALL FASTENERS SHALL HAVE ANTI-CORROSION PROTECTION.

- KEY NOTES**
1. REMOVE EXISTING POLE, LUMINAIRES AND HARDWARE.
  2. TEMPORARILY REMOVE WIRES AND CUT BACK CONDUITS TO EXISTING HARDWARE.
  3. RELOCATE HARD HOLE TO ACCOMMODATE NEW BASE.
  4. REUSE CONDUIT ROUTING AND REINSTALL EXISTING NEW HARDWARE.
  5. NEW HARDWARE.
  6. NEW POLE BASE, POLE, LUMINAIRES AND RECEPTACLE. ALL HARDWARE SHALL BE GALVANNEAL STEEL.
  7. EXISTING HANGHOLE TO REMAIN. ADJUST HEIGHT AS REQUIRED.
  8. RELOCATED HANGHOLE. ADJUST HEIGHT AS REQUIRED.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR RFP	08-03-2017	SR/JAM	JAM



**NOTES**

- REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
- REFER TO DRAWINGS 2 AND 4 FOR BASE DETAILS.
- REBAR AND FRANCHISE GROUND ANCHORATIONS FOR PIVOT BASES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR PAVEMENT.
- NET ALL REVISIONS APPLY TO EACH DRAWING.
- CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR ELECTRICAL INSTALLATION.
- ELECTRICAL INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR ELECTRICAL INSTALLATION.
- THE "NEW WORK" SHALL BE INSTALLED IN THE POLE BASE TO ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR ELECTRICAL INSTALLATION.
- ALL WIRE SHALL BE THIN/THIN.

**KEY NOTES**

- DEMOLISH AND REMOVE POLE, LUMINAIRE AND FIXTURES.
- TEMPORARILY REMOVE WIRES AND CUT BACK CONDUITS TO EXISTING BASE.
- REMOVE BASE TO ACCOMMODATE NEW BASE.
- REMOVE CONDUIT ROUTING AND REROUTE EXISTING CONDUITS TO NEW ROUTING.
- NEW WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR ELECTRICAL INSTALLATION.
- NEW POLE BASE, POLE, LUMINAIRE AND RESPECTIVE ALL ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR ELECTRICAL INSTALLATION.
- EXISTING HARDWARE TO REMAIN, ADJUST HEIGHT AS REQUIRED.
- RELOCATED HARDWARE, ADJUST HEIGHT AS REQUIRED.



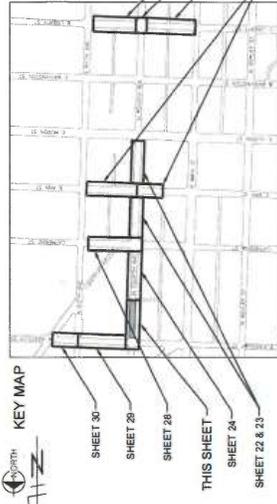
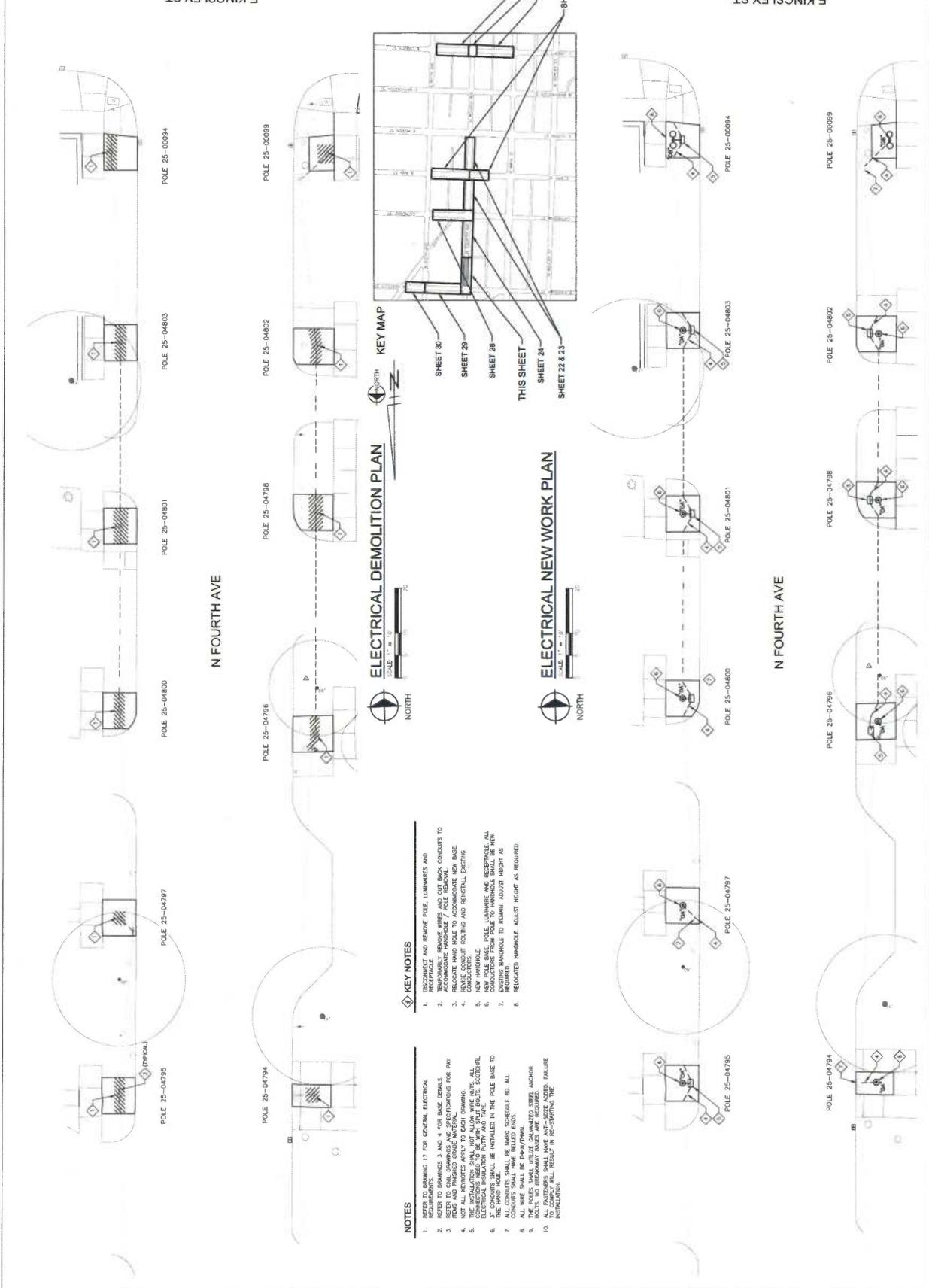
REV	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR BID	04-01-2017	MMH / JMM	JMM

811  
Call before you dig.  
FORWARD TO THE CITY OF ANN ARBOR



CITY OF ANN ARBOR  
201 EAST HURON STREET  
ANN ARBOR, MI 48103  
www.a2gov.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
STREET LIGHTING RECONFIGURATION -  
KERTON MARKET AND LIBERTY STREETS  
N FOURTH AVE, ELECTRIC DEMOLITION AND NEW WORK PLAN  
DRAWING NO. 2017-026-ET  
SHEET NO. 25 OF 30



**ELECTRICAL DEMOLITION PLAN**  
SCALE: 1" = 10'



**ELECTRICAL NEW WORK PLAN**  
SCALE: 1" = 10'



**KEY NOTES**

1. DEMOLISH AND REMOVE POLE, LUMINARIES AND RECEPTRALES
2. REPAIR/REMOVE WIPES AND CUT BACK CONDUITS TO EXISTING
3. RELOCATE WAD HOLE TO ACCOMMODATE NEW BASE
4. REPAIR CONDUIT ROUTING AND REINSTALL EXISTING
5. NEW HANGHOLE
6. DEMOLISH THE POLE TO WINDING SHIELDING ALL EXISTING HANGHOLE TO REMAIN. ADJUST HEIGHT AS REQUIRED.
7. RELOCATED HANGHOLE. ADJUST HEIGHT AS REQUIRED.

**NOTES**

1. REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS
2. REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
3. REFER TO DRAWING 17 FOR WAD HOLE REQUIREMENTS FOR PAY REELS AND THINDED GROVE MATERIAL.
4. NOT ALL NOTES APPLY TO EACH DRAWING.
5. CONDUITS SHALL BE INSTALLED IN THE POLE BASE TO THE WAD HOLE SHALL BE MARKED SCHEDULE 80. ALL CONDUITS SHALL HAVE BELLED ENDS.
6. ALL WIRE SHALL BE THIN/WIN.
7. WAD HOLE SHALL BE THIN/WIN.
8. WAD HOLE SHALL BE THIN/WIN.
9. WAD HOLE SHALL BE THIN/WIN.
10. WAD HOLE SHALL BE THIN/WIN.



REV	DESCRIPTION	DATE	DESIGN	CHECKED
1	ISSUED FOR BID	04-07-2017	SS / JAM	JAM

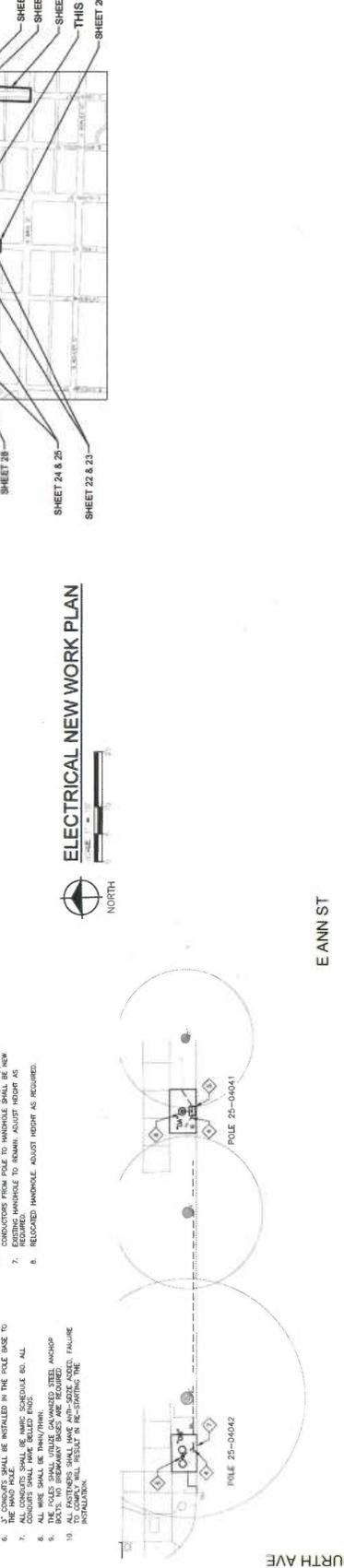
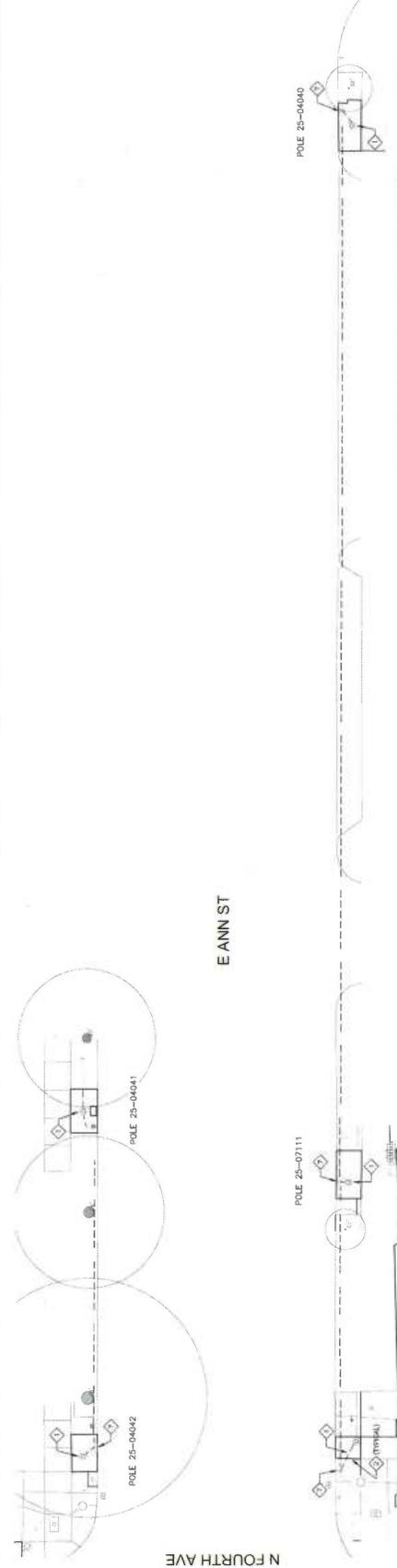
811  
 Call before you dig  
 For more details



CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 E. ANN ST. ANN ARBOR, MI 48106  
 734.264.4400  
 www.annarbor.org

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
 STREET LIGHTING REPLACEMENT -  
 KERTOWN MARKET AND LIBERTY STREETS  
 E ANN ST. ELECTRIC DEMOLITION AND NEW WORK PLAN

2017-026-B9  
 DRAWING NO.  
 SCALE: 1/8" = 1'-0"  
 SHEET No. 27 OF 30



**ELECTRICAL DEMOLITION PLAN**



**ELECTRICAL NEW WORK PLAN**



**KEY NOTES**

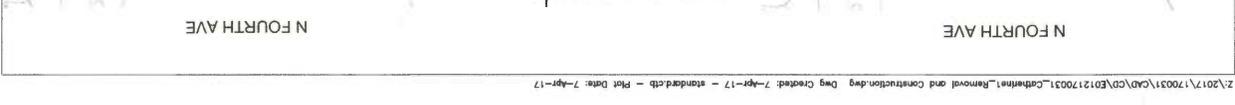
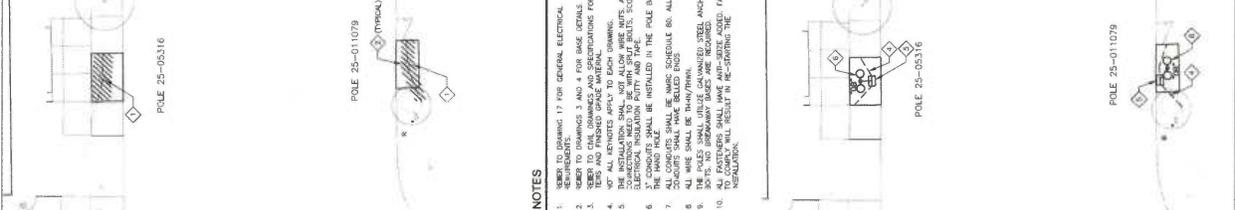
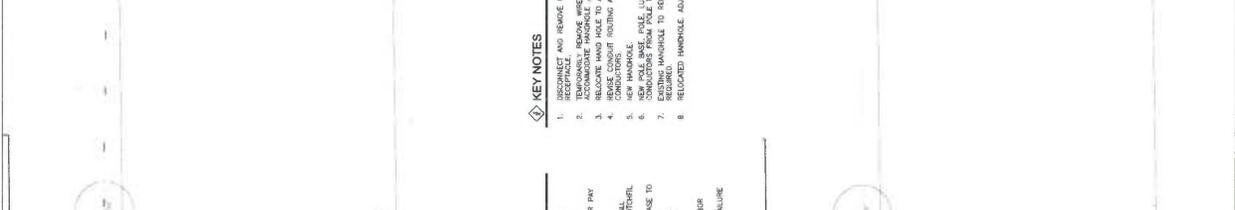
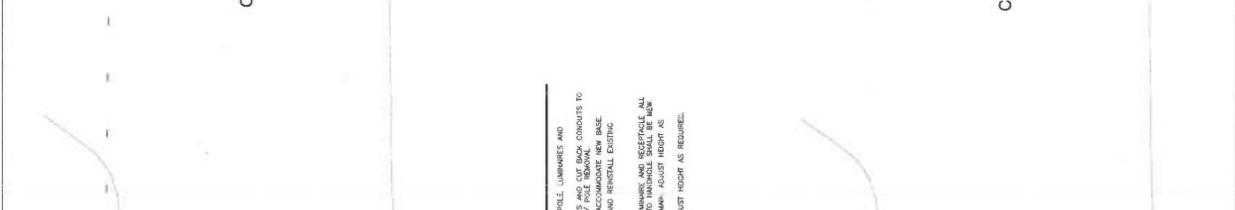
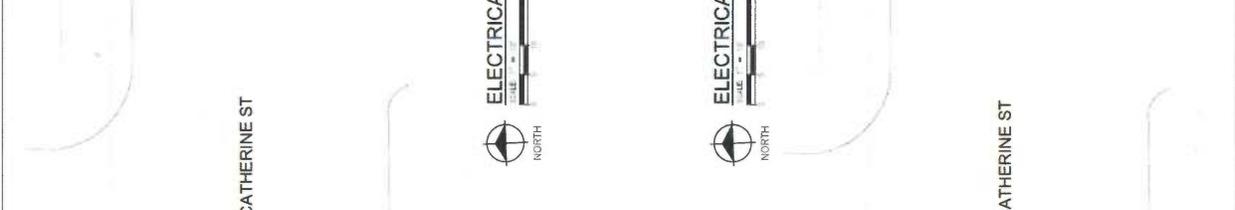
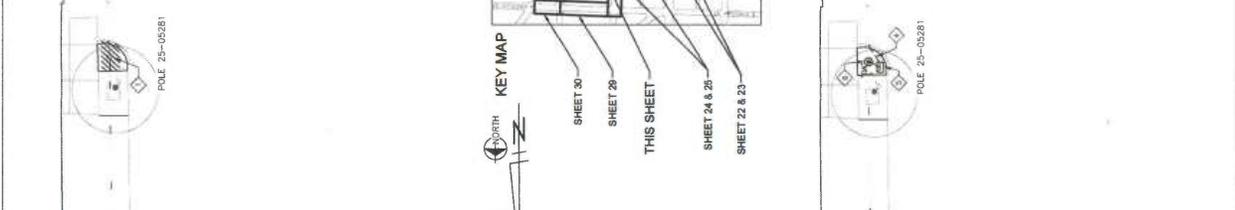
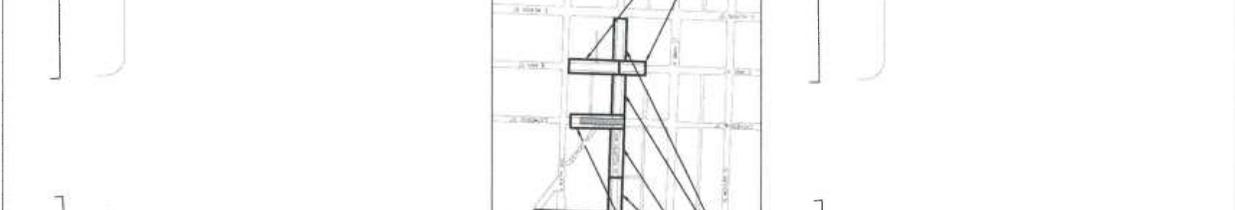
1. REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
2. REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
3. EXISTING DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS FOR PAVEMENT AND FINISHED GRADE MATERIAL.
4. RELOCATE HAND HOLES TO ACCOMMODATE NEW BASE.
5. BASE CONDUIT ROUTING AND REINSTALL EXISTING.
6. NEW HANDHOLES TO BE INSTALLED IN THE POLE BASE TO ACCOMMODATE THE NEW BASE.
7. EXISTING HANDHOLES TO REMAIN. ADJUST HEIGHT AS REQUIRED.
8. RELOCATED HANDHOLES ADJUST HEIGHT AS REQUIRED.

**NOTES**

1. REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
2. REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
3. EXISTING DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS FOR PAVEMENT AND FINISHED GRADE MATERIAL.
4. RELOCATE HAND HOLES TO ACCOMMODATE NEW BASE.
5. BASE CONDUIT ROUTING AND REINSTALL EXISTING.
6. NEW HANDHOLES TO BE INSTALLED IN THE POLE BASE TO ACCOMMODATE THE NEW BASE.
7. EXISTING HANDHOLES TO REMAIN. ADJUST HEIGHT AS REQUIRED.
8. RELOCATED HANDHOLES ADJUST HEIGHT AS REQUIRED.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
1	ISSUED FOR BID	04-27-2017	SM/LME	SM/LME

CITY OF ANN ARBOR  
 PUBLIC SERVICES  
 201 EAST RICHMOND STREET  
 ANN ARBOR, MI 48107-0447  
 TEL: 734-966-8000  
 WWW.ANNARBOR.MI.GOV

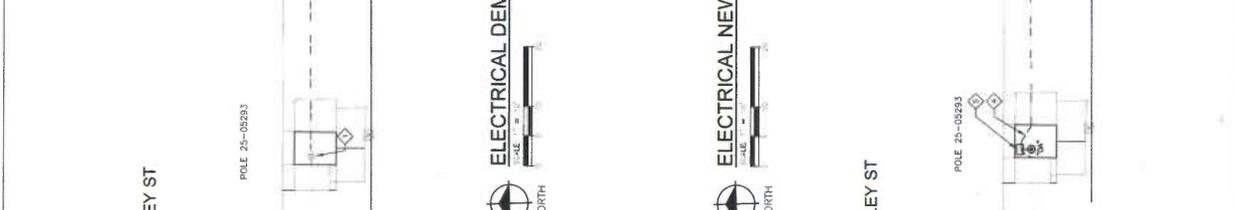
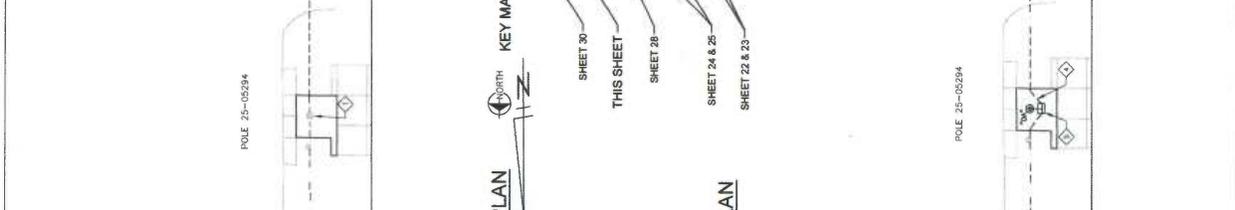


**NOTES**

- REFER TO DRAWING 17 FOR GENERAL ELECTRICAL SYMBOLS AND CONDUIT TYPES.
- REFER TO DRAWINGS 3 AND 4 FOR BASE DETAILS.
- REMOVE EXISTING LUMINAIRE AND WIRING FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.
- REMOVE EXISTING CONDUIT FROM THE EXISTING POLE AND REMOVE THE EXISTING CONDUIT FROM THE EXISTING POLE.

REV.	DESCRIPTION	DATE	DESIGNED	CHECKED	SCALE
1	ISSUED FOR BID	04-07-2017	SR / JAM	JAM	

City of Ann Arbor  
 PUBLIC SERVICES  
 201 EAST HURON STREET  
 ANN ARBOR, MI 48107  
 734.769.2000  
 www.a2gov.org

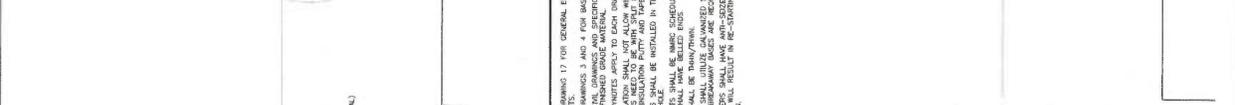
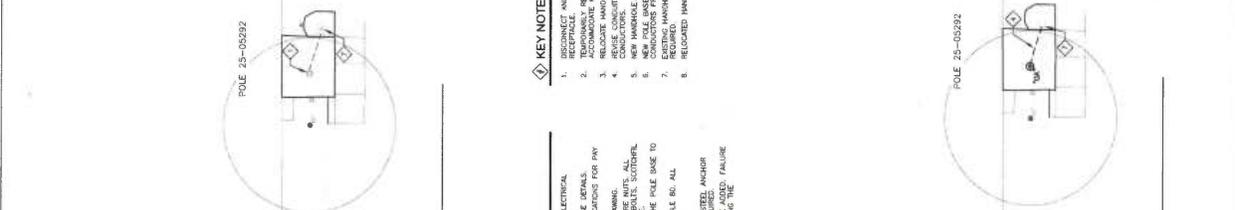


**NOTES**

- REFER TO DRAWING 17 FOR GENERAL ELECTRICAL REQUIREMENTS.
- REFER TO DIMENSIONS 3 AND 4 FOR BASE DETAILS.
- CONCRETE SHALL BE 3000 PSI COMPACTED FOR PAVEMENT AND FINISHED GRADE MATERIAL.
- NOT ALL NOTES APPLY TO EACH DRAWING.
- CONNECTIONS TO EXISTING UTILITIES SHALL BE MADE IN ACCORDANCE WITH THE CITY OF ANN ARBOR STANDARD SPECIFICATIONS FOR UTILITIES.
- CONDUIT SHALL BE INSTALLED IN THE POLE BASE TO THE HAND HOLES AND BE MARKED SCHEDULE 80. ALL CONDUIT SHALL HAVE BELLED ENDS.
- THE POLES SHALL BE 60 MIL GALVANIZED STEEL ANCHOR BOLTS. NO AIRWAY GASKETS ARE REQUIRED.
- THE POLES SHALL BE 60 MIL GALVANIZED STEEL ANCHOR BOLTS. NO AIRWAY GASKETS ARE REQUIRED.
- TO COMPLETE ALL ELECTRICAL WORK, INCLUDING THE RELOCATION OF EXISTING UTILITIES, THE FOLLOWING SHALL BE COMPLETED:

**KEY NOTES**

- RELOCATED AND REMOVE POLE LUMINAIRES AND RECEPTACLE.
- RELOCATED AND REMOVE POLE TO ACCOMMODATE NEW BASE.
- RELOCATE HAND HOLES TO ACCOMMODATE NEW BASE.
- REMOVE EXISTING ROUTING AND REINSTALL EXISTING.
- NEW HANDHOLE.
- RELOCATED AND REMOVE POLE TO ACCOMMODATE NEW BASE.
- RELOCATED AND REMOVE POLE TO ACCOMMODATE NEW BASE.
- RELOCATED AND REMOVE POLE TO ACCOMMODATE NEW BASE.



REV.	ISSUED FOR	DATE	BY	CHECKED	DATE	BY
1	ISSUED FOR BID	04-27-2017	SR/JAM			

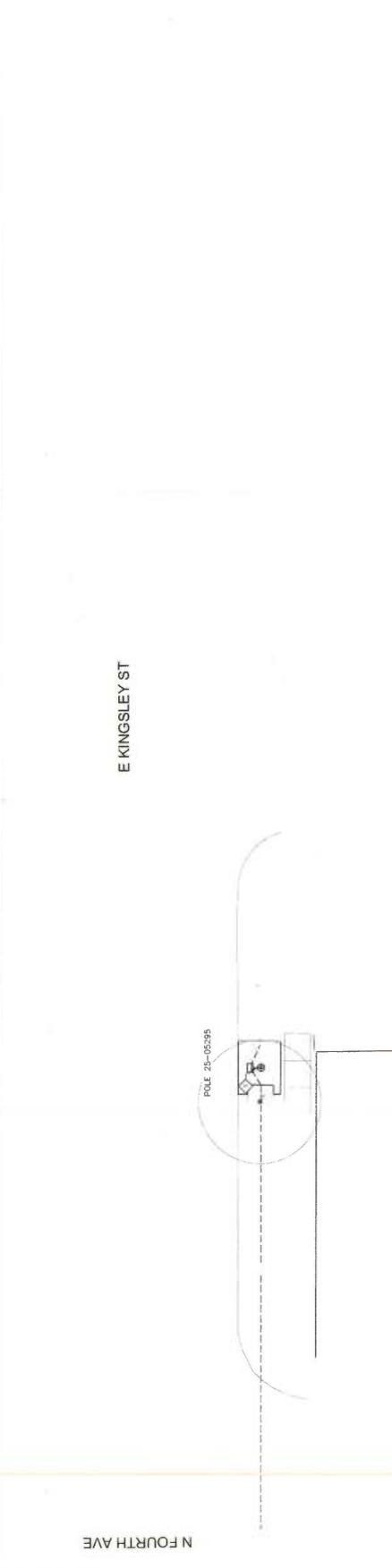
811  
KING COUNTY  
Call before you dig

CITY OF ANN ARBOR  
PUBLIC SERVICES  
300 EAST GILMAN STREET  
ANN ARBOR, MI 48107-4417  
www.a2gov.org



PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR  
STREET LIGHTING REPLACEMENT -  
KERRITOWN MARKET AND LIBERTY STREETS  
E KINGSLEY ST, REMOVAL AND CONSTRUCTION PLAN

2017-026-E12  
DRAWING No.  
SHEET No. 30 OF 30



**KEY NOTES**

- REFER TO DRAWING 17 FOR GENERAL ELECTRICAL.
- REFER TO DRAWINGS 3 AND 4 FOR BASK DETAILS.
- REFER TO DRAWINGS 5 AND 6 FOR WIRING DETAILS.
- REFER TO DRAWINGS 7 AND 8 FOR WIRING DETAILS.
- REFER TO DRAWINGS 9 AND 10 FOR WIRING DETAILS.
- REFER TO DRAWINGS 11 AND 12 FOR WIRING DETAILS.
- REFER TO DRAWINGS 13 AND 14 FOR WIRING DETAILS.
- REFER TO DRAWINGS 15 AND 16 FOR WIRING DETAILS.
- REFER TO DRAWINGS 17 AND 18 FOR WIRING DETAILS.
- REFER TO DRAWINGS 19 AND 20 FOR WIRING DETAILS.
- REFER TO DRAWINGS 21 AND 22 FOR WIRING DETAILS.
- REFER TO DRAWINGS 23 AND 24 FOR WIRING DETAILS.
- REFER TO DRAWINGS 25 AND 26 FOR WIRING DETAILS.
- REFER TO DRAWINGS 27 AND 28 FOR WIRING DETAILS.
- REFER TO DRAWINGS 29 AND 30 FOR WIRING DETAILS.

**KEY NOTES**

- DISCONNECT AND REMOVE POLE, LUMINAIRES AND
- TEMPORARILY REMOVE WIRES AND CUT BACK CONDUITS TO
- REMOVE EXISTING HOLES TO ACCOMMODATE NEW BASE.
- REMOVE CONDUIT ROUTING AND REINSTALL EXISTING
- NEW HOLES.
- NEW POLE BASE, POLE LUMINAIRE, AND RECEPTACLE ALL
- TO BE INSTALLED IN THE POLE BASE TO
- REQUIRED. HORIZONTAL DUCT NOT REQUIRED AS
- REQUIRED.

**KEY NOTES**

- ALL FASTENERS SHALL HAVE ANV-ORZ ADDED. FAILURE
- TO DO SO WILL RESULT IN REPAIRING THE
- INSULATION.
- ALL FASTENERS SHALL HAVE ANV-ORZ ADDED. FAILURE
- TO DO SO WILL RESULT IN REPAIRING THE
- INSULATION.
- ALL FASTENERS SHALL HAVE ANV-ORZ ADDED. FAILURE
- TO DO SO WILL RESULT IN REPAIRING THE
- INSULATION.
- ALL FASTENERS SHALL HAVE ANV-ORZ ADDED. FAILURE
- TO DO SO WILL RESULT IN REPAIRING THE
- INSULATION.

**KEY MAP**



**SCALE**



**SCALE**



## **EXHIBIT B**

Attached as Exhibit B are the cost summary and the funding responsibilities of the DDA and the City for each cost sharing category of the Street Lighting Replacement – Kerrytown Market and Liberty Street Project.

**Exhibit B - City/DDA Cost Sharing Breakdown based on Corby Energy Services Low Bid**

Project: Street Lighting Replacement – Kerrytown Market and Liberty Street  
 Bid Date: Friday, May 05, 2017  
 ITB: 4494

Item	Description	Unit	Quantity	Corby Energy Services, Inc. Bid Price		City Cost Share	DDA Cost Share*
				Unit Price	Extended Price		
101	General Conditions, Maximum \$50,000	L.S.	1	\$ 19,000.00	\$ 19,000.00	\$ 15,390.00	\$ 3,610.00
102	Audio Visual Tape Coverage	L.S.	1	\$ 2,000.00	\$ 2,000.00	\$ 1,620.00	\$ 380.00
120	Project Supervision; Maximum \$10,000	L.S.	1	\$ 10,000.00	\$ 10,000.00	\$ 8,100.00	\$ 1,900.00
230	Light Pole and Foundation Removal	EACH	91	\$ 430.00	\$ 39,130.00	\$ 31,695.30	\$ 7,434.70
231	Remove Concrete Sidewalk and Drive - Any Thickness	S.F.	3,820	\$ 5.50	\$ 21,010.00	\$ 17,018.10	\$ 3,991.90
232	Adjust	EACH	50	\$ 100.00	\$ 5,000.00	\$ 4,050.00	\$ 950.00
234	New Handhole	EACH	46	\$ 450.00	\$ 20,700.00	\$ 16,767.00	\$ 3,933.00
235	4-inch Concrete Sidewalk, Ramp or Drive	S.F.	1,953	\$ 8.00	\$ 15,624.00	\$ 12,655.44	\$ 2,968.56
239	Sidewalk Unit Pavers	S.F.	1,402	\$ 32.00	\$ 44,864.00	\$ 36,339.84	\$ 8,524.16
240	Pole Foundation	EACH	89	\$ 1,225.00	\$ 109,025.00	\$ 88,310.25	\$ 20,714.75
241	Type "OA" Pole Installation	EACH	51	\$ 5,000.00	\$ 255,000.00	\$ 206,550.00	\$ 48,450.00
242	Type "OB" Pole Installation	EACH	17	\$ 5,500.00	\$ 93,500.00	\$ 75,735.00	\$ 17,765.00
243	Type "OC" Pole Installation	EACH	12	\$ 5,000.00	\$ 60,000.00	\$ 48,600.00	\$ 11,400.00
244	Type "OD" Pole Installation	EACH	9	\$ 5,175.00	\$ 46,575.00	\$ 37,725.75	\$ 8,849.25
270	No Parking Signs	L.S.	1	\$ 2,500.00	\$ 2,500.00	\$ 2,025.00	\$ 475.00
271	Temporary Traffic Control	L.S.	1	\$ 40,000.00	\$ 40,000.00	\$ 32,400.00	\$ 7,600.00
284	Parking Meter Remove, Salvage & Reinstall	EACH	3	\$ 500.00	\$ 1,500.00	\$ 1,215.00	\$ 285.00
299	Certified Payroll Compliance and Reporting	L.S.	1	\$ 1,000.00	\$ 1,000.00	\$ 810.00	\$ 190.00
810	Slope Restoration	S.Yd.	81.1	\$ 40.00	\$ 3,244.00	\$ 2,627.64	\$ 616.36
					\$ 789,672.00	\$ 639,634.32	\$ 150,037.68*

\*The DDA's total cost share of the project shall not exceed \$150,037.68.