04-24-2015 LETTING ITEM 148

TO 1001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY

701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED

701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE

701901-04 TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED

HIGHWAY PLANS
PROPOSED LOCAL AGENCY IMPROVEMENTS

CITY OF CANTON, ILLINOIS CANTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1 SECTION 10-00102-00-LS

PROJECT NO. TE-00D4(113)

FULTON COUNTY

C-94-041-11

INDEX OF SHEETS

TITLE SHEET AND INDEX OF SHEETS
GENERAL NOTES AND SUMMARY OF QUANTITIES

DEMOLITION PLAN - SOUTH

DEMOLITION PLAN - NORTH

5. ELECTRICAL PLAN - SOUTH 6. ELECTRICAL PLAN - NORTH

ELECTRICAL DETAILS AND SCHEDULES ELECTRICAL DETAILS AND SCHEDULES

PROVIDE NEW ORNAMENTAL STREET LIGHTING SYSTEM FOR DOWNTOWN CANTON, IL. INCLUDING ELECTRICAL SERVICE. RACEWAYS. WIRING AND ASSOCIATED EXCAVATIONS AND PATCHING.

1"=40'-0" 0 20' 40'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

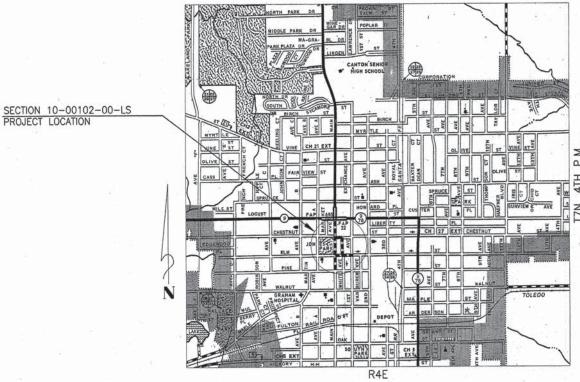
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123



Midwest Engineering Professionals Inc. 607 S. Main Street - Morton, Illinois 61550 Telephone: (309)266-1117 Fax: (309)266-8225 Email: engineers@mepinc.biz

IL Design Firm Registration #184-001995

ITEP NO. 402209 CONTRACT NO. 89602 **CATALOG NO. 034641-00**

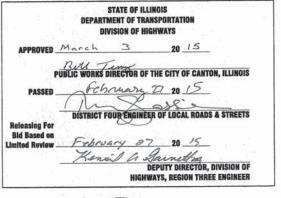


LOCATION MAP

TOTAL LENGTH OF PROJECT AND IMPROVEMENTS: 2210 FEE
HIGHWAY CLASS URBAN COLLECTOR
DESIGN SPEED 30 MPH
POLICY N/A
VARIANCES NONE
COMMITMENTS NONE









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ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource proposed in the prepared site. surveys for the proposed site.

The required environmental resource documentation shall include the following:

- . BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- BDE Form 2290 (Waste/Use Area Review)
- A location map showing the size limits and location of the use area
 Color photographs depicting the use area
- Borrow Area Entry Agreement form D4 Pl0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site

CODE NO	ITEM	UNIT	TOTAL QUANTITY	SAFETY	NON PARTICIPATING
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3324	3324	
44000600	SIDEWALK REMOVAL	SQ FT	3324	3324	
44200104	PAVEMENT PATCHING, TYPE I, 9 INCH	SQ YD	30	30	
67100100	MOBILIZATION	L SUM	1	1	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	370	370	
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	50	50	
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	3755	3755	
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	18	18	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	4560	4560	
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	18640	18640	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	360	360	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1710	1710	
89502380	REMOVE EXISTING HANDHOLE	EACH	15	15	
X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	60	60	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1	1	
XX004977	FLAG POLE INSERT	EACH	60		60
XX007797	LUMINAIRE (SPECIAL)	EACH	7	7	Liste Long to the
XX008104	POLE MOUNTED PLANTER BASKET	EACH	60	modification of the	60
XX008270	BANNER ARMS	EACH	60		60

GENERAL NOTES

THE CONSTRUCTION SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" IN ILLINOIS, CURRENT EDITION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.

WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A FULL DEPTH SAWCUT SHALL BE MADE TO ACHIEVE A CLEAN BREAK BETWEEN THE PROPOSED AND THE EXISTING PAVEMENT OR SIDEWALK. THE SAWCUT IS TO BE INCLUDED IN THE COST OF THE APPLICABLE REMOVAL ITEM.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL, FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN, ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

CONTROL OF MATERIALS SHALL BE IN ACCORDANCE WITH ARTICLE 106.01.

ELECT	RICAL SYMBOLS
HH	HANDHOLE

DECORMIVE UTILITY LUMINAIRE AND POLE

COBRA HEAD UTILITY POLE AND LUMINAIR -- NEW LUMINAIRE AND POLE AS SCHEDULED

---- UNDERGROUND RACEWAY

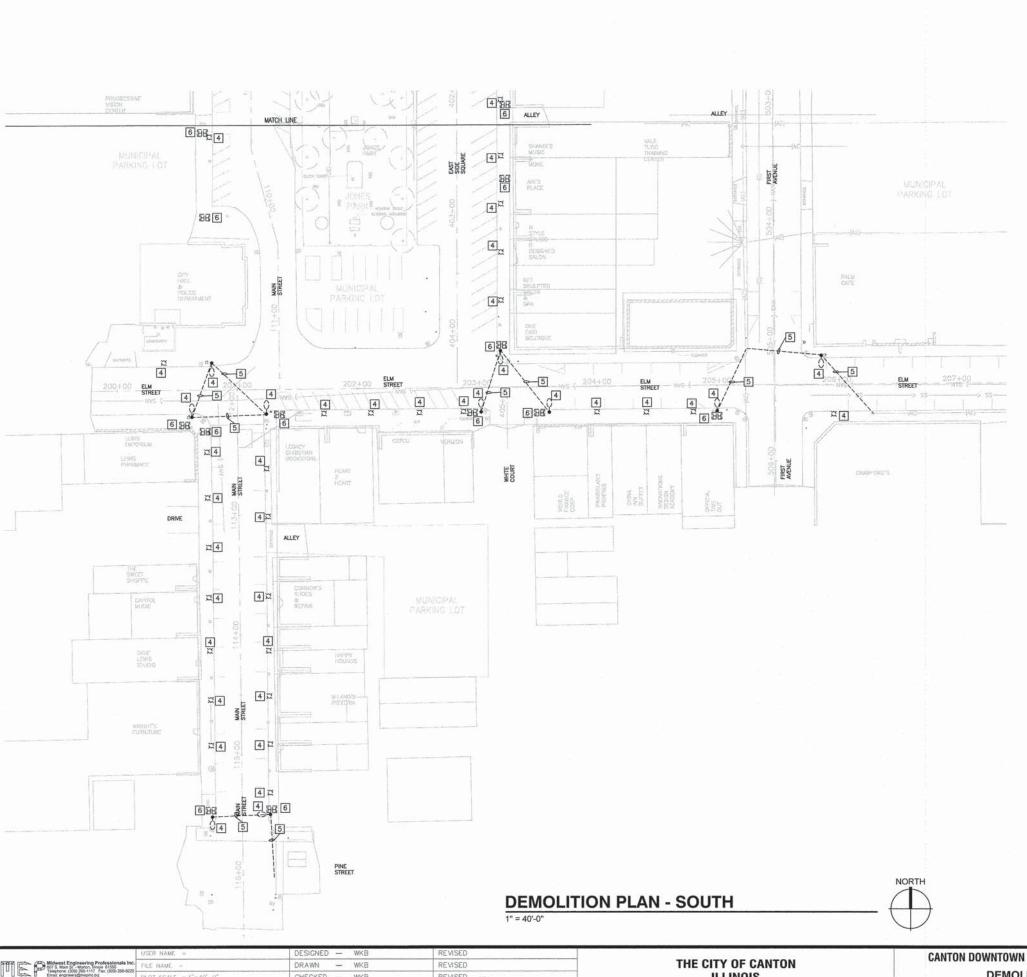
O UTILITY POLE

● GROUND ROD

EXISTING
AMPERE
CONDUIT
CIRCUIT
GROUND
LIGHT / LUMINAIRE
POLE
PHASE
VOLTS
WATTS

E	P	Midwest Engineering Professionals Inc 607 S. Main St Morton, Binois 61550 Telephone: (309) 266-1117 Fax: (309) 266-8225 Email: engineers@meprid.biz
	10.0	II. Design Firm Registration #164-001995

USER NAME =	DESIGNED - WKB	REVISED
FILE NAME =	DRAWN - WKB	REVISED
PLOT SCALE = 1"= 40'-0"	CHECKED - WKB	REVISED -
PLOY DATE = 02/23/15	DATE - 02/23/15	REVISED -



REVISED

REVISED

CHECKED - WKB

ILLINOIS

ELECTRICAL GENERAL NOTES

LOCATIONS OF UNDERGROUND MATERIALS SHOWN ON THIS PLAN ARE BASED UPON SURFACE OBSERVATION OF EXISTING CONDITIONS AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND UNDERGROUND CIRCUITS/LINES PRIOR TO PERFORMING ANY WORK AND SHALL REPORT ANY CONFLICTS TO THE

UNDERGROUND CIRCUITS/LINES PRIOR TO PERFORMING ANY WORK AND SHALL REPORT ANY CONFLICTS TO THE
ENGINEER.

2. CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION AND SHALL REPAIR OR
REPLACE SAME AT NO ADDITIONAL COST TO OWNER IF DAMAGED BY CONSTRUCTION ACTIVITIES.

3.THE EXISTING LIGHTING SYSTEMS TO REMAIN IN OPERATION UNTIL SUCH TIME THAT THE NEW LIGHTING SYSTEM HAS
BEEN INSTALLED, TESTED AND READY FOR OPERATION. NOTIFY ENGINEER NO FEWER THAT 14 DAYS PRIOR TO
INTERRUPTING ANY SYSTEMS. MINIMIZE DURINTON OF DISTRIPTION OF SYSTEMS. IF NECESSARY TO FACILITATE THE
OWNERS USE AND OCCUPANCY OF THE EXISTING FACILITIES, TEMPORARY SUPPLIES OR PERFORMING OF WORK AFTER
NORMAL. WORKNO HOURS SHALL BE COMPLETED WITH NO INCREASE IN CONSTRUCTION COST. PROCEED WITH SYSTEM
INTERRUPTION ONLY AFTER RECEIPT OF WRITTEN AUTHORIZATION FROM OWNER.

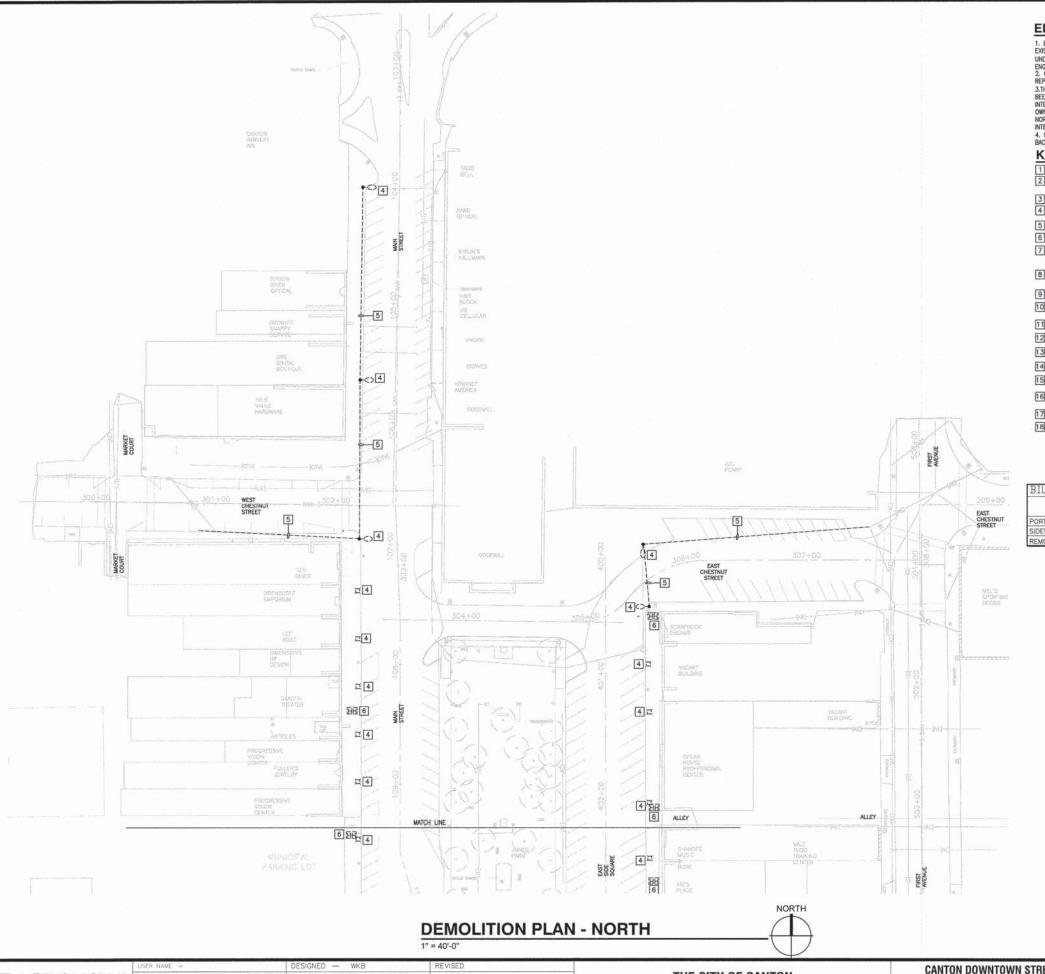
4. FIELD CUT ALL EXISTING CONCRETE AND PAVEMENT TO ALLOW INSTALLATION OF NEW UNDERGROUND CIRCUITS. BACKFILL, PATCH, AND RESEED ALL SURFACES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS.

KEYED NOTES

- 1 EXISTING 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- 2 EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS (2-#8 & #8 GR.). INSTALL NEW STREET LIGHTING CIRCUIT 4-#2 AND #8 GR. IN EXISTING 2* CONDUIT. LENGTH AS INDICATED.
- 3 EXISTING 2" SPARE CONDUIT TO REMAIN.
- 4 EXISTING STREET LIGHTING POLE AND FIXTURE TO BE REMOVED BY AMEREN. PATCH EXISTING CONCRETE SIDEWALK.
- 5 EXISTING AERIAL STREET LIGHTING CIRCUIT TO BE REMOVED BY AMEREN.
- 6 REMOVE EXISTING HANDHOLE. PATCH EXISTING SIDEWALK.
- [7] EXISTING STREET LIGHTING POLE AND LUMINAIRE. REPLACE EXISTING LAMP AND BALLAST ASSEMBLY WITH NEW HOLOPHANE MODEL #OPDRETRO-100-5K-AS-M-3 LED RETROFIT KIT. PROVIDE NEW WIRING, FUSE HOLDERS, FUSES, AND SURGE SUPPRESSORS IN POLE SAME AS NEW POLE INSTALLATION, PAY ITEM XX007797 LUMINAIRE (SPECIAL).
- 8 EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS BACK TO SOURCE (2-#8 & #8
- 9 PROVIDE 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- [TO] 2" COILABLE NON-METALLIC CONDUIT BORED AND PULLED WITH 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 11 2" PVC CONDUIT IN TRENCH WITH 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 12 2" PVC CONDUIT IN TRENCH EMPTY. LENGTH AS INDICATED.
- 13 EXISTING 2" PVC EMPTY CONDUIT PROVIDE 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 14 EXISTING STREET LIGHTING CIRCUIT, REMOVE EXISTING STREET LIGHTING CONDUCTORS (2-#8 & #8 GR.).
- 15 3" PVC CONDUIT IN TRENCH WITH 12-#2 AWG AND #6 AWG GROUND. PROVIDE 2-2" PVC CONDUITS IN TRENCH SPARE, LENGTH AS INDICATED.
- [16] INSTALL PHOTOCELL IMMINUM 12' ABOVE GRADE WHERE DIRECTED, UTILIZE RIGID GALYANIZED STEEL CONDUIT WHERE EXPOSED OUTDOORS, PAINT CONDUIT TO MATCH EXISTING WALL SURFACE.
- 17 2" COILABLE NON-METALLIC CONDUIT BORED AND PULLED EMPTY. LENGTH AS INDICATED.
- 18 HANDHOLE SHALL BE 24" WIDE X 36" LONG MINIMUM.

BILL OF MATERIAL FOR THIS SHEET - SOUTH DEM	OLITIC	JN .
ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	800
SIDEWALK REMOVAL	SQ FT	800
REMOVE EXISTING HANDHOLE	EACH	12

CANTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1 SECTION COUNTY FULTON 8 3 10-00102-00-LS **DEMOLITION PLAN - SOUTH** CONTRACT 89602 SHEET NO. 3 OF 8 SHEETS STA.



DRAWN - WKB

CHECKED - WKB

REVISED

ELECTRICAL GENERAL NOTES

1. LOCATIONS OF UNDERGROUND MATERIALS SHOWN ON THIS PLAN ARE BASED UPON SURFACE OBSERVATION OF EXISTING CONDITIONS AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND UNDERGROUND CIRCUITS/LINES PRIOR TO PERFORMING ANY WORK AND SHALL REPORT ANY CONFLICTS TO THE

UNDERGROUND CIRCUITS/LINES PRIOR TO PERFORMING ANY WORK AND SHALL REPORT ANY CONFLICTS TO THE ENGINEER.

2. CONTRICTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT NO ADDITIONAL COST TO OWNER IF DAMAGED BY CONSTRUCTION ACTIVITIES.

3.THE EXISTING LIGHTING SYSTEMS TO REMAIN IN OPERATION UNTIL SUCH TIME THAT THE NEW LIGHTING SYSTEM HAS BEEN INSTALLED, TESTED AND READY FOR OPERATION. NOTIFY ENGINEER NO FEWER THAT 14 DAYS PRIOR TO INTERRUPTION ANY SYSTEMS. MINIMIZE DURATION OF DISRUPTION OF SYSTEMS, IF NECESSARY TO FACILITATE THE OWNERS USE AND OCCUPANCY OF THE EXISTING FACILITIES, TEMPORARY SUPPLIES OF PERFORMING OF WORK AFTER NORMAL WORKING HOURS SHALL BE COMPLETED WITH NO INCREASE IN CONSTRUCTION COST, PROCEED WITH SYSTEM INTERRUPTION ONLY AFTER RECEIPT OF WRITTEN AUTHORIZATION FROM OWNER.

4. FIELD CUT ALL EXISTING CONCRETE AND PAVEMENT TO ALLOW INSTALLATION OF NEW UNDERGROUND CIRCUITS. BACKFILL, PATCH, AND RESEED ALL SURFACES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS.

KEYED NOTES

- 1 EXISTING 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- 2 EXISTING STREET LIGHTING CIRCUIT, REMOVE EXISTING STREET LIGHTING CONDUCTORS (2-#8 & #8 GR.). INSTALL NEW STREET LIGHTING CIRCUIT 4-#2 AND #8 GR. IN EXISTING 2" CONDUIT. LENGTH AS INDICATED.
- 3 EXISTING 2" SPARE CONDUIT TO REMAIN.
- 4 EXISTING STREET LIGHTING POLE AND FIXTURE TO BE REMOVED BY AMEREN. PATCH EXISTING CONCRETE SIDEWALK.
- 5 EXISTING AERIAL STREET LIGHTING CIRCUIT TO BE REMOVED BY AMEREN.
- 6 REMOVE EXISTING HANDHOLE. PATCH EXISTING SIDEWALK.
- (7) EXISTING STREET LIGHTING POLE AND LUMINAIRE. REPLACE EXISTING LAMP AND BALLAST ASSEMBLY WITH NEW HOLOPHANE MODEL #GPORETRO-100-5K-AS-M-3 LED RETROFIT KIT. PROVIDE NEW WIRING, FUSE HOLDERS, FUSES, AND SURGE SUPPRESSORS IN POLE SAME AS NEW POLE INSTALLATION, PAY ITEM XXX00779 LUMINAIRE (SPECIAL).

 B. EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS BACK TO SOURCE (2-#8 & #8
- GR.).
- 9 PROVIDE 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- 10 2° COILABLE NON-METALLIC CONDUIT BORED AND PULLED WITH 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 11 2" PVC CONDUIT IN TRENCH WITH 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 12 2" PVC CONDUIT IN TRENCH EMPTY. LENGTH AS INDICATED.
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 16 INSTALL PHOTOCELL MINIMUM 12' ABOVE GRADE WHERE DIRECTED. UTILIZE RIGID GALVANIZED STEEL CONDUIT WHERE EXPOSED OUTDOORS. PAINT CONDUIT TO MATCH EXISTING WALL SURFACE.

 17 2" COILABLE NON-METALLIC CONDUIT BORED AND PULLED EMPTY, LENGTH AS INDICATED.
- 18 HANDHOLE SHALL BE 24" WIDE X 36" LONG MINIMUM.

BILL OF MATERIAL FOR THIS SHEET - NORTH DE	MOLITION		
ITEM	UNIT	TOTAL	
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	256	
SIDEWALK REMOVAL	SQ FT	256	
REMOVE EXISTING HANDHOLE	EACH	3	

TION	PLAN	- NOR	TH	

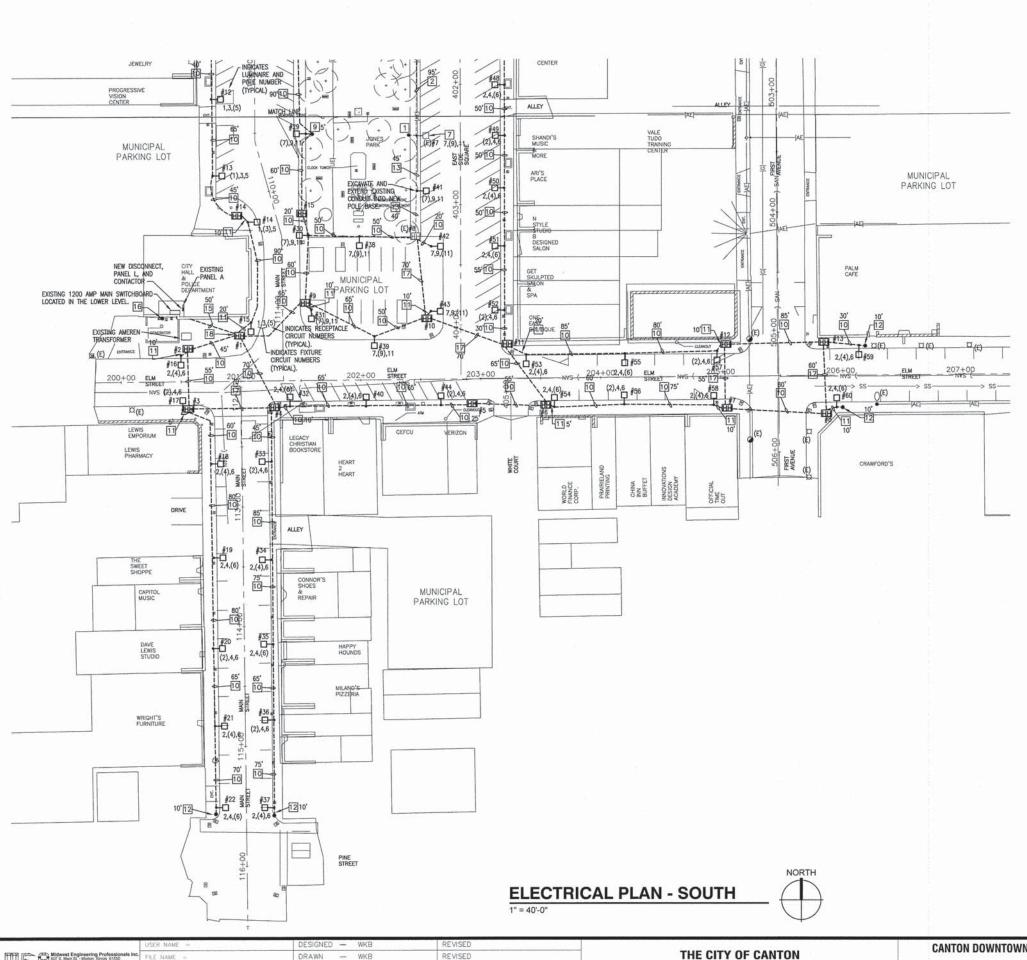
THE CITY OF CANTON

ILLINOIS

NTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1	SECTION
DEMOLITION PLAN - NORTH	10-00102-00-LS
SHEET NO. 4 OF 8 SHEETS STA. TO STA.	

COUNTY

CONTRACT 89602



REVISED

REVISED

REVISED

CHECKED - WKB

ILLINOIS

ELECTRICAL GENERAL NOTES

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2. CONTRACTOR SHALL PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT NO ADDITIONAL COST TO OWNER IF DAMAGED BY CONSTRUCTION ACTIVITIES.

3.THE EXISTING LIGHTING SYSTEMS TO REMAIN IN OPERATION UNTIL SUCH TIME THAT THE NEW LIGHTING SYSTEM HAS BEEN INSTALLED, TESTED AND READY FOR OPERATION. NOTIFY ENGINEER NO FEWER THAT 14 DAYS PRIOR TO INTERRUPTING ANY SYSTEMS, MINIMIZE DURINTON OF DISTUPINO OF SYSTEMS. IF NECESSARY TO FACILITATE THE OWNERS USE AND OCCUPANCY OF THE EXISTING FACILITIES, TEMPORARY SUPPLIES OR PERFORMING OF WORK AFTER NORMAL WORKING HOURS SHALL BE COMPLETED WITH NO INCREASE IN CONSTRUCTION COST, PROCEED WITH SYSTEM INTERRUPTION ONLY AFTER RECEIPT OF WRITTEN AUTHORIZATION FROM OWNER.

4. FIELD CUT ALL EXISTING CONCRETE AND PAYEMENT TO ALLOW INSTALLATION OF NEW UNDERGROUND CIRCUITS, BACKFILL, PATCH, AND RESEED ALL SURFACES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS.

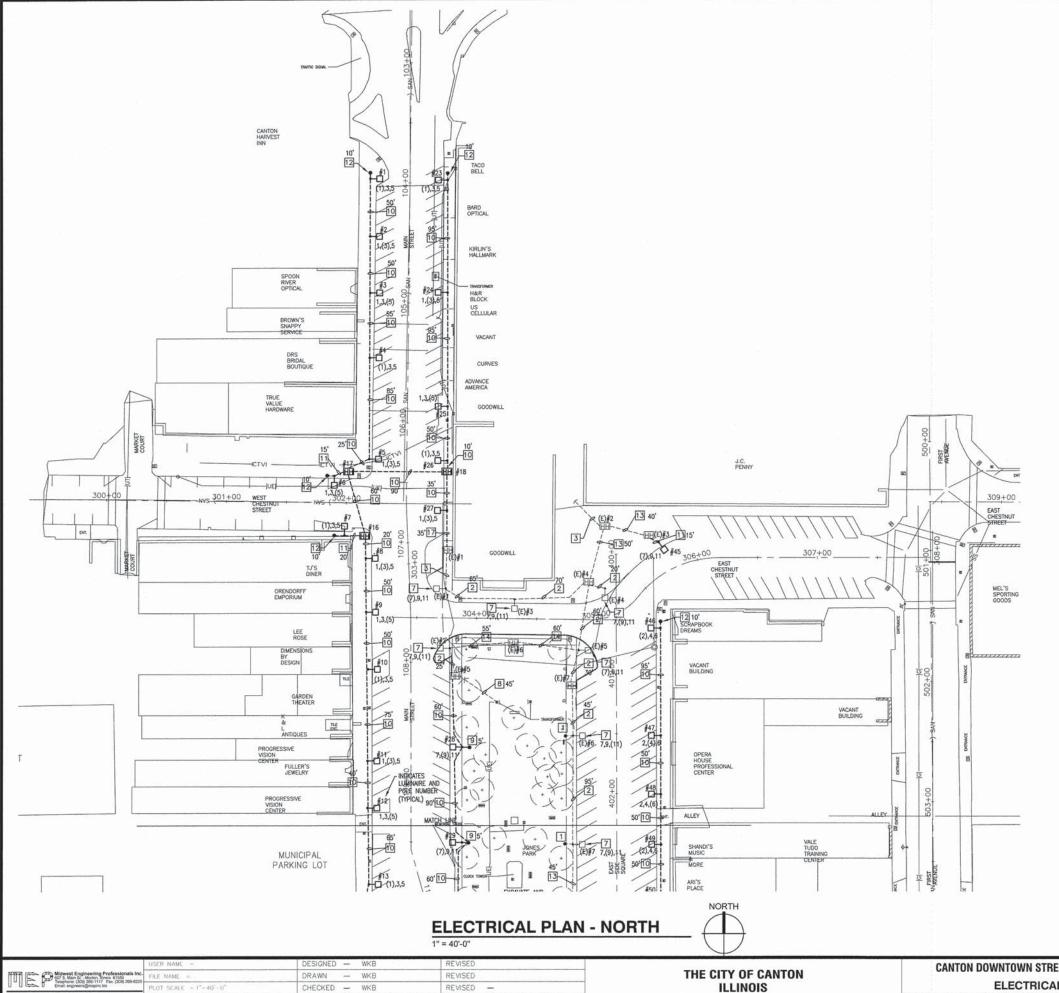
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- 3 EXISTING 2" SPARE CONDUIT TO REMAIN.
- 4 EXISTING STREET LIGHTING POLE AND FIXTURE TO BE REMOVED BY AMEREN. PATCH EXISTING CONCRETE SIDEWALK.
- 5 EXISTING AERIAL STREET LIGHTING CIRCUIT TO BE REMOVED BY AMEREN.
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- B EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS BACK TO SOURCE (2-#8 & #8 GR.).
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- SPARE LENGTH AS INDICATED
- [16] INSTALL PHOTOCELL MINIMUM 12' ABOVE GRADE WHERE DIRECTED. UTILIZE RIGID GALVANIZED STEEL CONDUIT WHERE EXPOSED OUTDOORS, PAINT CONDUIT TO MATCH EXISTING WALL SURFACE.
- [17] 2" COILABLE NON-METALLIC CONDUIT BORED AND PULLED EMPTY. LENGTH AS INDICATED.
- 18 HANDHOLE SHALL BE 24" WIDE X 36" LONG MINIMUM.

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1388
SIDEWALK REMOVAL	SQ FT	1388
PAVEMENT PATCHING, TYPE I, 9 INCH	SQ YD	20
MOBILIZATION	L SUM	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	265
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	50
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	2475
HANDHOLE, COMPOSITE CONCRETE	EACH	15
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2730
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	11320
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	228
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	0
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	38
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1
FLAG POLE INSERT	EACH	38
LUMINAIRE (SPECIAL)	EACH	1
POLE MOUNTED PLANTER BASKET	EACH	38
BANNER ARMS	EACH	38

CANTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1

SECTION COUNTY FULTON 8 10-00102-00-LS **ELECTRICAL PLAN - SOUTH** CONTRACT 89602 SHEET NO. 5 OF 8 SHEETS STA.



ELECTRICAL GENERAL NOTES

1. LOCATIONS OF UNDERGROUND MATERIALS SHOWN ON THIS PLAN ARE BASED UPON SURFACE OBSERVATION OF EXISTING CONDITIONS AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AND UNDERGROUND CIRCUITS/LINES PRIOR TO PERFORMING ANY WORK AND SHALL REPORT ANY CONFLICTS TO THE

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3. THE EXISTING LIGHTING SYSTEMS TO REAMN IN OPERATION UNTIL SUCH TIME THAT THE NEW LIGHTING SYSTEM HAS BEEN INSTALLED, TESTED AND READY FOR OPERATION, NOTIFY ENGINEER NO FEWER THAT 14 DAYS PRIOR TO INTERRUPTING ANY SYSTEMS, MINIMIZE DURATION OF DISSUPPTION OF SYSTEMS, IF NECESSARY TO FACILITATE THE OWNERS USE AND OCCUPANCY OF THE EXISTING FACILITIES, TEMPORARY SUPPLIES OR PERFORMING OF WORK AFTER NORMAL WORKING HOURS SHALL BE COMPLETED WITH NO INCREASE IN CONSTRUCTION COST, PROCEED WITH SYSTEM INTERRUPTION ONLY AFTER RECEIPT OF WRITTEN AUTHORIZATION FROM OWNER.

4. FIELD CUT ALL EXISTING CONCRETE AND PAVEMENT TO ALLOW INSTALLATION OF NEW UNDERGROUND CIRCUITS. BACKFILL, PATCH, AND RESEED ALL SURFACES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING CONDITIONS.

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- 1 EXISTING 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- 2 EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS (2-#8 & #8 GR.). INSTALL NEW STREET LIGHTING CIRCUIT 4-#2 AND #8 GR. IN EXISTING 2" CONDUIT. LENGTH AS INDICATED.
- 3 EXISTING 2" SPARE CONDUIT TO REMAIN.
- 4 EXISTING STREET LIGHTING POLE AND FIXTURE TO BE REMOVED BY AMEREN. PATCH EXISTING CONCRETE SIDEWALK.
- 5 EXISTING AERIAL STREET LIGHTING CIRCUIT TO BE REMOVED BY AMEREN.
- 6 REMOVE EXISTING HANDHOLE. PATCH EXISTING SIDEWALK.
- Z EXISTING STREET LIGHTING POLE AND LUMINAIRE. REPLACE EXISTING LAMP AND BALLAST ASSEMBLY WITH NEW HOLOPHANE MODEL #GPDRETRO-100-5K-AS-M-3 LED RETROFIT KIT. PROVIDE NEW WIRING, FUSE HOLDERS, FUSES,
- AND SURGE SUPPRESSORS IN POLE SAME AS NEW POLE INSTALLATION, PAY ITEM XX007797 LUMINAIRE (SPECIAL).

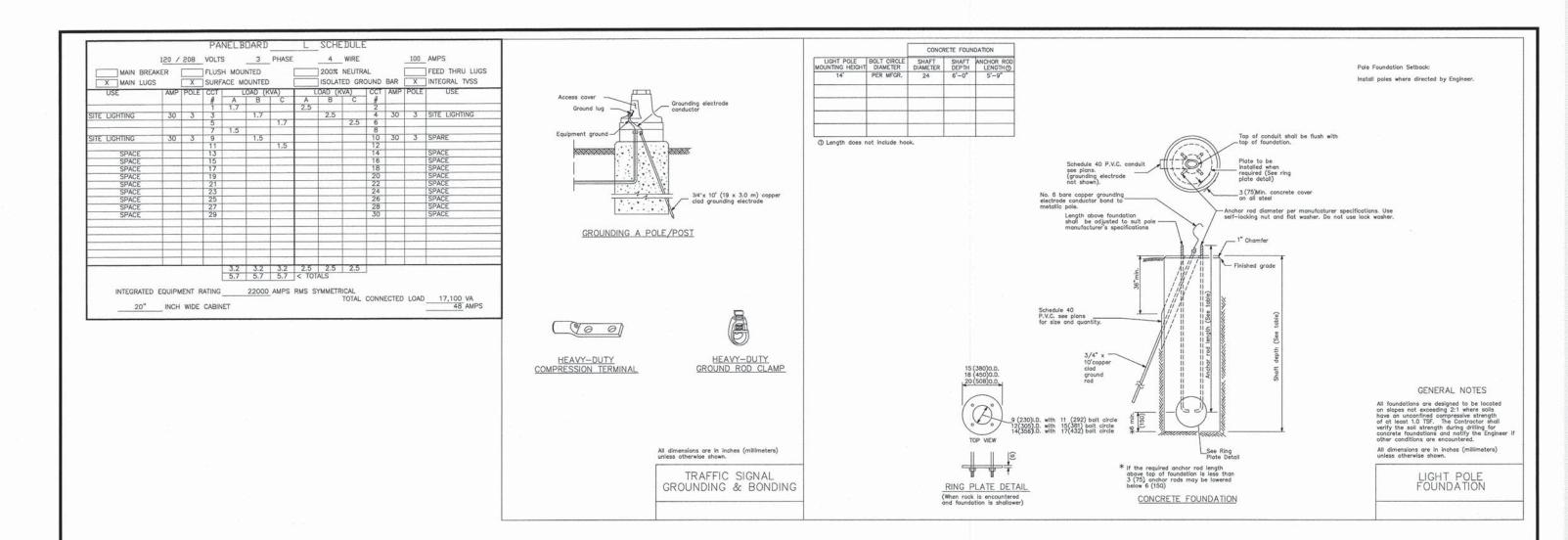
 8 EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS BACK TO SOURCE (2-#8 & #8
- 9 PROVIDE 2" SPARE CONDUIT STUBBED OUT 5' AND CAPPED FOR FUTURE USE.
- $\fbox{10}$ 2" collable non-metallic conduit Bored and Pulled with 4-#2 awg and #6 awg ground. Length as indicated.
- 11 2" PVC CONDUIT IN TRENCH WITH 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 12 2" PVC CONDUIT IN TRENCH EMPTY, LENGTH AS INDICATED.
- 13 EXISTING 2" PVC EMPTY CONDUIT PROVIDE 4-#2 AWG AND #6 AWG GROUND. LENGTH AS INDICATED.
- 14 EXISTING STREET LIGHTING CIRCUIT. REMOVE EXISTING STREET LIGHTING CONDUCTORS (2-#8 & #8 GR.).
- 15 3" PVC CONDUIT IN TRENCH WITH 12-#2 AWG AND #6 AWG GROUND. PROVIDE 2-2" PVC CONDUITS IN TRENCH SPARE. LENGTH AS INDICATED.
- [6] INSTALL PHOTOCELL MINIMUM 12' ABOVE GRADE WHERE DIRECTED. UTILIZE RIGID GALVANIZED STEEL CONDUIT WHERE EXPOSED OUTDOORS. PAINT CONDUIT TO MATCH EXISTING WALL SURFACE.
- 17 2* COILABLE NON-METALLIC CONDUIT BORED AND PULLED EMPTY. LENGTH AS INDICATED.

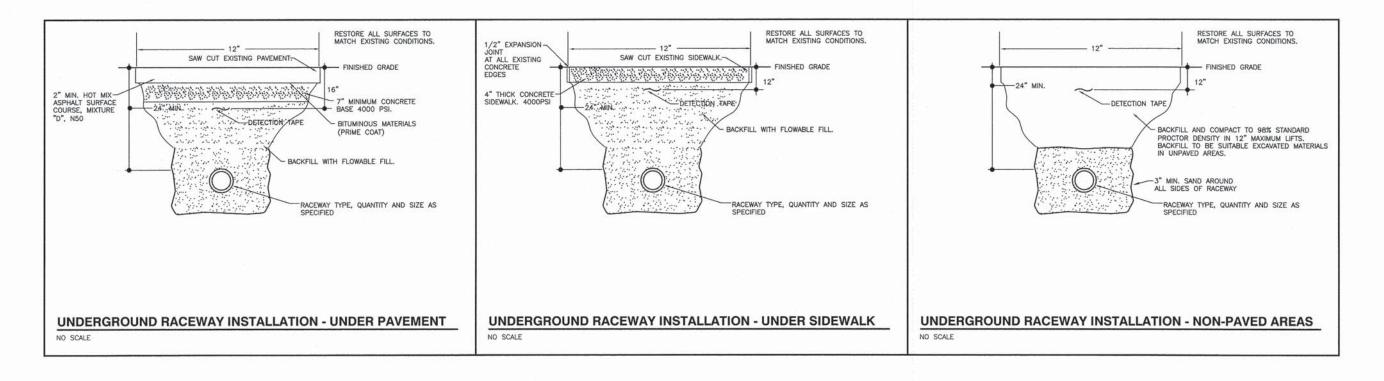
18 HANDHOLE SHALL BE 24" WIDE X 36" LONG MINIMUM.

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	880
SIDEWALK REMOVAL	SQ FT	880
PAVEMENT PATCHING, TYPE I, 9 INCH	SQ YD	10
MOBILIZATION	L SUM	0
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	105
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	0
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1280
HANDHOLE, COMPOSITE CONCRETE	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1830
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	7320
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	132
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1710
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	22
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0
ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	0
FLAG POLE INSERT	EACH	22
LUMINAIRE (SPECIAL)	EACH	6
POLE MOUNTED PLANTER BASKET	EACH	22
BANNER ARMS	EACH	22

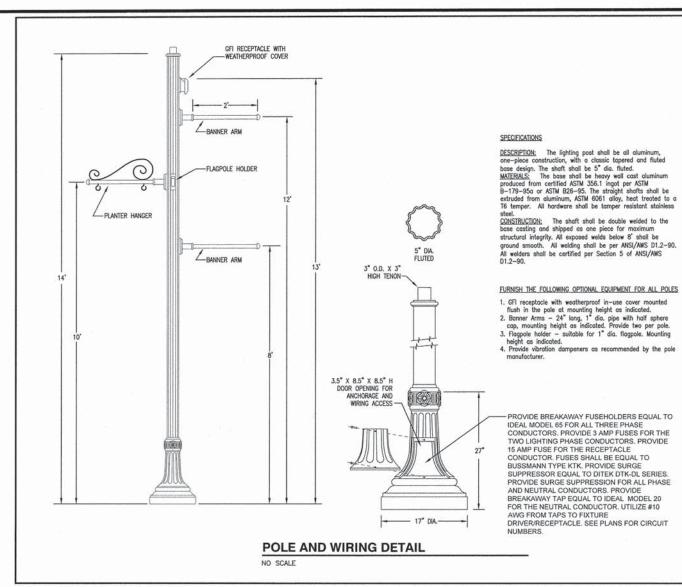
ILLINOIS

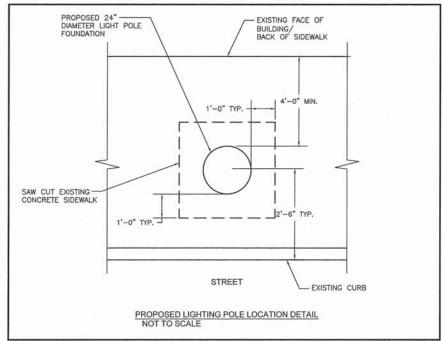
CANTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1 SECTION **ELECTRICAL PLAN - NORTH** CONTRACT 89602 SHEET NO. 6 OF 8 SHEETS STA.

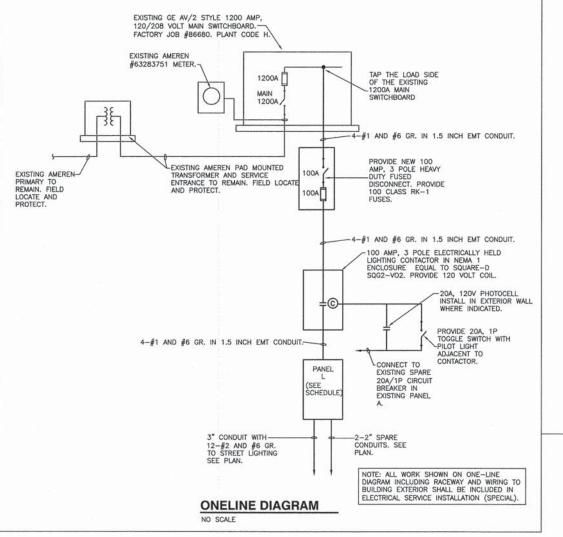


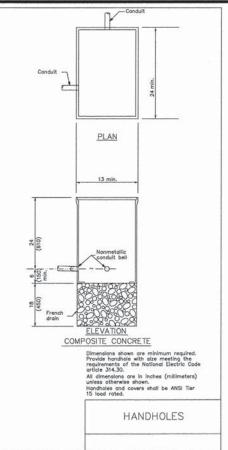


	USER NAME =	DESIGNED - WKB	REVISED	THE OFTE OF ALLEGA	CANTON DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1	SECTION	COUNTY TOTAL SHEET NO.
Midwest Engineering Professionals Inc. 607 S. Main St Monon, Illinois 61550 Teleschon (309) 265-1117 Fax: (309) 266-8225	est Engineering Professionals Inc. Man 81 - Monon, Sinos 61550 FILE NAME Inc.	Intenting Professionals Inc. FILE NAME DRAWN — WKB REVISED	THE CITY OF CANTON		10-00102-00-LS	FULTON 8 7	
Email orginoers@mepinc.biz	PLOT SCALE = 1"=40"-0"	CHECKED - WKB	REVISED —	ILLINOIS	ELECTRICAL DETAILS AND SCHEDULES		CONTRACT 89602
II. Design Firm Registration #184-001995	PLOT DATE = 02/23/15	DATE - 02/23/15	REVISED —		SCALE: SHEET NO. 7 OF 8 SHEETS STA. TO STA.		001111111011 00002









MARK	MANUFACTURER	CATALOG NO.	QTY/TYPE LAMPS	MOUNTING	VOLTAGE	INPUT WATTS	REMARKS
L1	HOLOPHANE	GPD-100-5K-AS-M-B-3-N-R-A w/ POLE #NYA14F5J17-ABG/BK	100 WATT LED	POLE MOUNTED ON CONCRETE BASE—SEE DETAIL	208V	100	EXTERIOR "ACORN STYLE" LUMINAIRE WITH MULTI- VOLTAGE DRIVER AND ASYMMETRIC DISTRIBUTION. PROVIDE 14' DECORATIVE POLE CAPABLE OF SUPPORTING FIXTURE IN 80 MPH WIND WITH 1.3 GUST FACTOR. SEE DETAIL FOR ADDITIONAL REQUIREMENTS.

- MANUFACTURERS MODEL NUMBERS MAY NOT BE TOTALLY COMPLETE. CONTRACTOR SHALL PROVIDE FIXTURES WITH ALL
 OPTIONS, ACCESSORIES, ETC. NOTED IN THE REMARKS COLUMN AND/OR INDICATED WITHIN THIS SCHEDULE.

SCALE

2. VERIFY ALLPOLE/FIXTURE LOCATIONS WITH ENGINEER.

	USER NAME **	DESIGNED - WKB	REVISED
Midwest Engineering Professionals Inc. 607 S. Mari St Mortor, Titres 61550 Telephone: (209) 265-1117 Fax: (309) 266-8225 Email angineers@mepine.biz	FILE NAME =	DRAWN - WKB	REVISED
	Color dough = 4 - 44 - 4	CHECKED - WKB	REVISED -
IL Design Firm Registration #184-001995	PLOT DATE = 02/23/15	DATE - 02/23/15	REVISED -
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THE	CITY	OF	CANTON
	ILL	INO	IS

CANTO	N DOWNTOWN STREET LIGHTING IMPROVEMENTS - PHASE 1	SECTION	COUNTY	SHEETS	SHEET NO.
	ELECTRICAL DETAILS AND SCHEDULES	10-00102-00-LS	FULTON	8	8
	ELECTRICAL DETAILS AND SCHEDULES	CONTRACT 89602			
E:	SHEET NO. 8 OF 8 SHEETS STA. TO STA.	Control Head on the property of the second			