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LIST OF IDOT STANDARDS

- STD. 000001-05 Standard Symbols, Abbreviations and Patterns
- STD. 424001-05 Curb Ramps for Sidewalks
- STD. 442201-03 Class C and D Patches
- STD. 701501-05 Urban Lane Closure, 2L, 2W, Undivided
- STD. 701801-04 Lane Closure Multilane 1W or 2W Crosswalk or Sidewalk Closure
- STD. 701901-01 Traffic Control Devices
- STD. 720001-01 Sign Panel Mount Details
- STD. 720006-02 Sign Panel Erection Details
- STD. 720011-01 Metal Posts for Signs, Markers & Delineators
- STD. 729001-01 Applications of Types A & B Metal Posts (For Signs & Markers)
- STD. 814001-02 Handholes

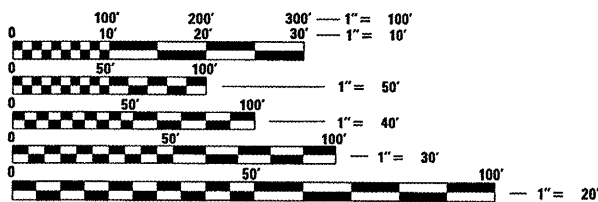
UTILITIES

VERIZON NORTH  
111 S. MAIN ST.  
KEWANEE, IL 61443

AMEREN-CILCO  
8420 N. UNIVERSITY ST.  
PEORIA, IL 61614

MEDIACOM  
609 S. 4TH ST.  
CHILlicothe, IL 61523

NPDES PERMIT NOT REQUIRED



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.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123

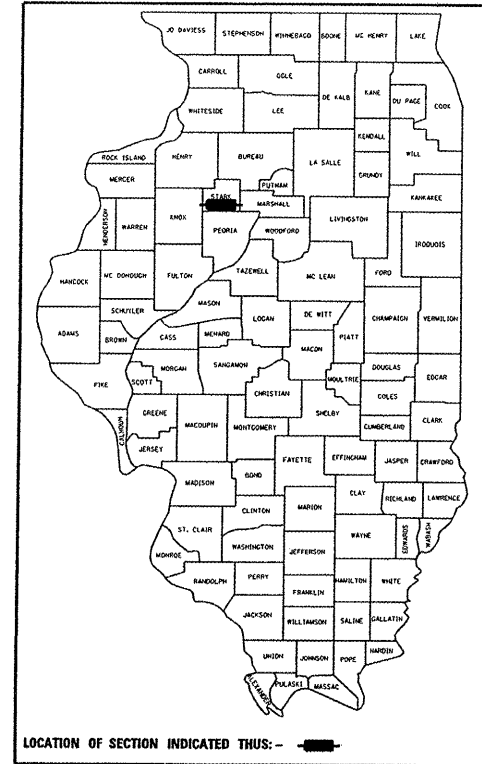
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
202 NE Madison Avenue, Suite 301  
Peoria, Illinois 61602  
(309) 676-9000

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

## PLANS FOR PROPOSED AMERICAN RECOVERY AND REINVESTMENT ACT

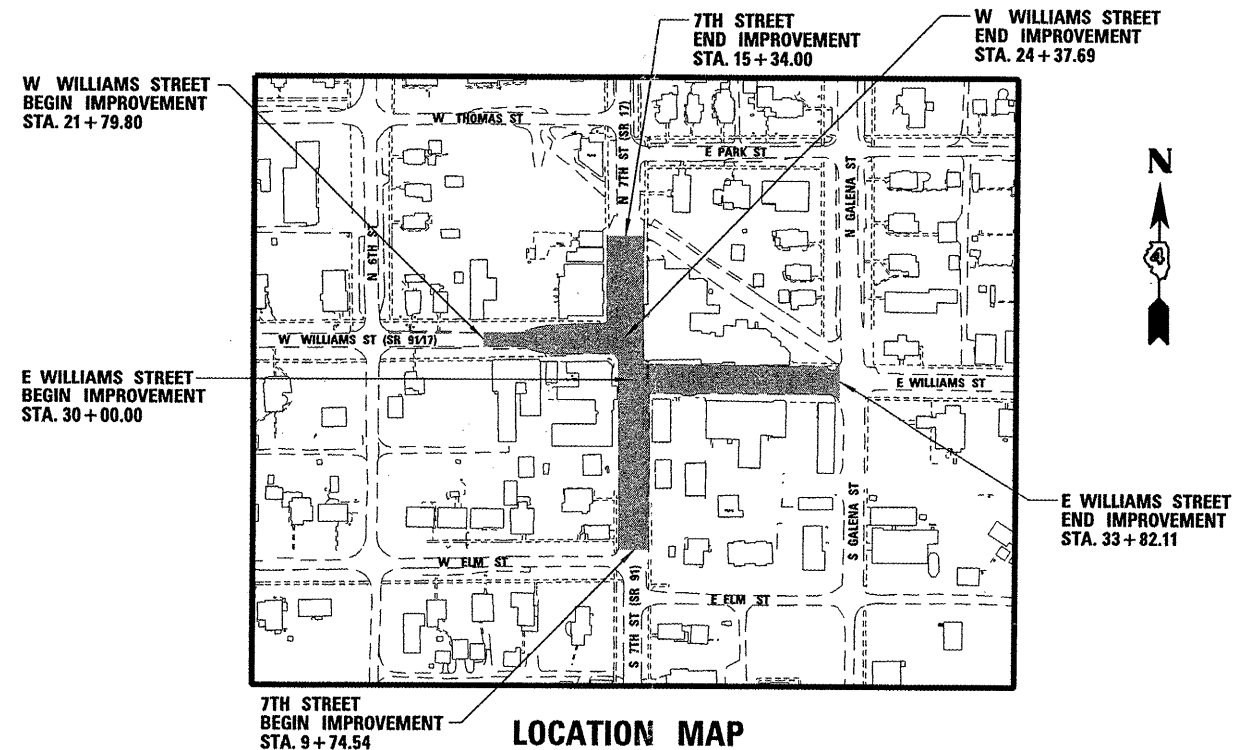
PROJECT ARA-00D4(102)  
ITEP # 402205  
SECTION 09-00001-00-LT  
STATE JOB NO. C-94-024-10

### DOWNTOWN LIGHTING PROJECT FAS 1375/FAP 643 CITY OF WYOMING STARK COUNTY



FUNCTIONAL CLASSIFICATION: IL 91 (SEVENTH ST) MAJOR COLLECTOR  
IL 17 (SEVENTH ST) MINOR ARTERIAL  
IL 91/17 (WILLIAMS ST) MINOR ARTERIAL  
WILLIAMS ST (NO STATE RTE) LOCAL STREET

DESIGN SPEED: 30 MPH  
DESIGN TRAFFIC: 2150 ADT (2007)  
DESIGN GUIDELINES: 3R



DAVID A. WRIGHT  
038877  
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
12/31/09  
DATE  
DAVID A. WRIGHT, P.E.  
ILLINOIS REGISTRATION No. 062-038877  
EXPIRATION DATE: NOVEMBER/2011

APPROVED 12-08-09  
*[Signature]*  
CITY OF WYOMING, MAYOR

PASSED 1-5-2010  
2010  
DISTRICT 4 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW Jan 6 2010  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GROSS LENGTH OF IMPROVEMENT: 1199.46 FEET = 0.227 MILES  
NET LENGTH OF IMPROVEMENT: 1199.46 FEET = 0.227 MILES

# LIGHTING GENERAL NOTES

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
- UNIT DUCT SHALL BE SCH 40 HDPE WITH XLP-TYPE USE CABLES, SIZES AS SHOWN ON PLANS.
- LUMINAIRES SHALL BE LEVEL & BE SECURED ON MAST OR TENON ARMS TO THE OWNER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE "LUMINAIRE" OR "ORNAMENTAL LIGHT UNIT COMPLETE" PAY ITEMS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY OF WYOMING OR STARK COUNTY BEFORE THE START OF WORK, ANY COST FOR PERMIT SHALL BE INCLUDED IN THE TOTAL COST OF THE CONTRACT.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
  - "THE NATIONAL ELECTRICAL CODE".
  - MUNICIPAL CODES & STANDARDS.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH OR WITHOUT MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE OWNER'S REPRESENTATIVE.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE OWNER'S REPRESENTATIVE. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.
- GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE MECHANICAL TYPE UL LISTED FOR DIRECT BURIAL USE, AS SPECIFIED, AND SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
- THE INSTALLATION OF BURIED WARNING TAPE, SHALL BE REVIEWED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRICAL UTILITY COMPANY FOR SERVICE TO THE PROPOSED LIGHTING SYSTEM(S).
- THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPICE/CONNECTION POINT. WIRE MARKERS SHALL BE MECHANICALLY FASTENED WHITE PLASTIC, TYPE "PLM" AS MANUFACTURED BY PANDUIT OR EQUAL.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT PER ARTICLE 806 OF THE STANDARD SPECIFICATIONS.
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- ALL DISTURBED AREA WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. THE WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS INCLUDING ALL ABOVE AND BELOW GRADE APPURTENANCES. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PROVIDE A GUARANTEE FOR ALL MATERIAL AND WORKMANSHIP FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE.
- THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE ELECTRICAL TESTING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

SIDEWALK REMOVAL AND REPLACEMENT		
STATION	REMOVE	REPLACE
SEVENTH ST.	SF	SF
9+78 TO 10+13 R	0	143
12+25 TO 12+45 R	0	90
9+79 L	75	75
9+79 R	75	75
10+45 L	75	75
10+45 R	75	75
11+09 L	75	75
11+08 R	75	75
11+62 R	75	75
11+66 L	75	75
12+35 R	75	75
12+72 L	75	75
14+05 R	75	75
14+08 L	75	75
14+64 L	75	75
14+64 R	75	75
15+09 L	75	75
15+09 R	75	75
15+49 L	75	75
15+49 R	75	75
WILLIAMS ST.	SF	SF
21+80 L	75	75
21+98 R	75	75
22+56 L	75	75
22+56 R	75	75
23+24 R	75	75
23+32 L	75	75
23+93 R	75	75
30+39 L	75	75
31+14 L	75	75
31+24 R	75	75
31+27 TO 33+83 L	2112	2435
31+90 R	75	75
32+65 R	75	75
33+40 TO 33+70 R	108	108
TOTAL	4470	5026

SOILS				
STATION	TOPSOIL SY	SEEDING ACRE	FERTILIZER* LB	EROSION CONTROL BLANKET SY
22+56 L	25	0.005	0.5	25
23+32 L	25	0.005	0.5	25
TOTAL	50	0.1	1	50

\*1/3 NITROGEN 1/3 PHOSPHOROUS 1/3 POTASSIUM

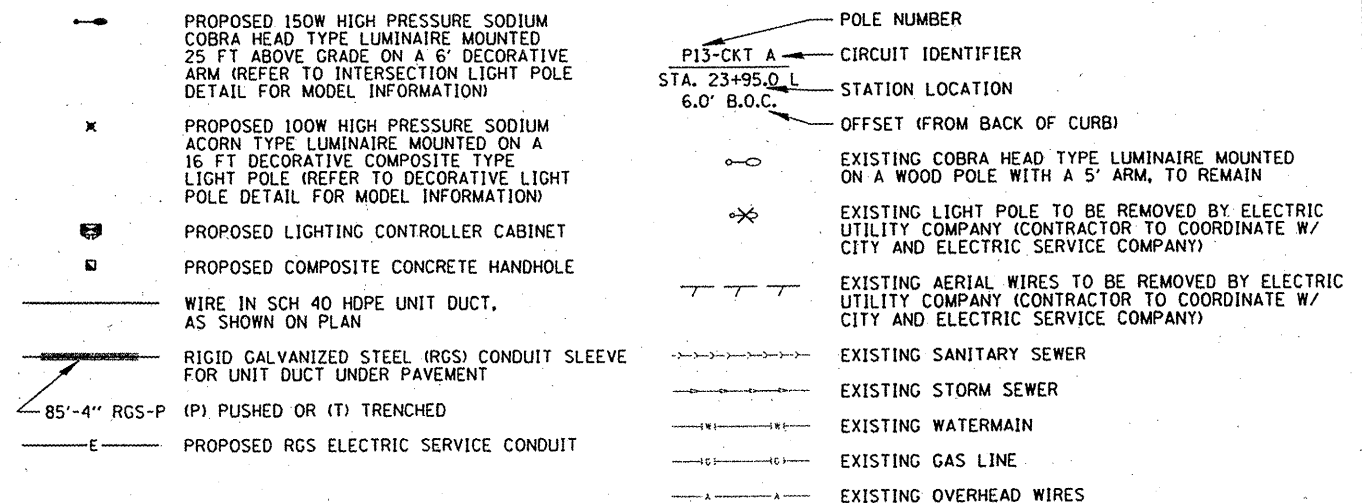
DETECTABLE WARNINGS	
STATION	SF
32+24 L	10

CLASS D PATCHES SCHEDULE	
STATION	SY
10+80 R	3.9
11+35 R	3.9
12+48 CROSS	4.7
13+98 CROSS	5.5
31+06 R	2.3
33+65 CROSS	4.7
TOTAL	25

CODE NO.	DESCRIPTION	UNIT	QUANTITY
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	50
25000210	SEEDING, CLASS 2A	ACRE	0.01
25000400	NITROGEN FERTILIZER NUTRIENT	LB	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	LB	1
25000600	POTASSIUM FERTILIZER NUTRIENT	LB	1
25100630	EROSION CONTROL BLANKET	SO YD	50
Δ 42400420	PORTLAND CEMENT CONCRETE SIDEWALK, 4" SPECIAL	SO FT	5026
Δ 42400800	DETECTABLE WARNINGS	SO FT	10
Δ 44000600	SIDEWALK REMOVAL	SO FT	4470
Δ 44201785	CLASS D PATCHES, TYPE 1, 12 INCH	SO YD	25
67100100	MOBILIZATION	L SUM	1
*70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
72000100	SIGN PANEL - TYPE 1	SO FT	2
72900110	METAL POST - TYPE A	EACH	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81018600	CONDUIT PUSHED, 2 1/2" DIA. GALV. STEEL	FOOT	130
81018900	CONDUIT PUSHED, 4" DIA. GALV. STEEL	FOOT	190
81028030	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1"	FOOT	50
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	5
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	6
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	278
*X0326654	ORNAMENTAL LIGHT UNIT COMPLETE	EACH	28
*X0321766	LIGHT POLE, SPECIAL (DECORATIVE ORNAMENTAL)	EACH	28
*XX005560	LIGHT POLE, ALUMINUM, 25 FT. M.H., 6 FT. MAST ARM	EACH	6
81603800	UNIT DUCT, 600V, 8-1/2" NO. 8, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	800
81603600	UNIT DUCT, 600V, 6-1/2" NO. 8, 1/2" NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2,550
82500335	LIGHTING CONTROLLER PEDESTAL MOUNTED 240 VOLT 100 AMP	EACH	1

• INDICATES SPECIAL PROVISION  
 \*\* INDICATES THAT ALL UNIT DUCT SHALL BE DIRECTIONALLY BORED AND PULLED. THE COST OF THE DIRECTIONAL BORING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EACH OF THE UNIT DUCT PAY ITEMS. SEE SHEET #3 OF 7 AND SHEET #6 OF 7 FOR CONDUIT SCHEDULES  
 Δ SPECIALTY ITEMS

## LIGHTING LEGEND



FILE NAME : P:\09519\CV\1\WOT\_090519\_02.SHT

USER NAME	DESIGNED	REVISION
DW:right	GAH	-
PLT SCALE : 40'	DRAWN KB	REVISION -
PLT DATE : 2/1/2010	CHECKED AJD	REVISION -
	DATE 11-06-2009	REVISION -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DOWNTOWN LIGHTING PROJECT  
 GENERAL NOTES SCHEDULES AND SUMMARY OF QUANTITIES



CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 202 NE Madison, Suite 301  
 Peoria, Illinois 61602  
 (309) 676-9000

SCALE: N.T.S. SHEET NO. 2 OF 7 SHEETS STA. TO STA.

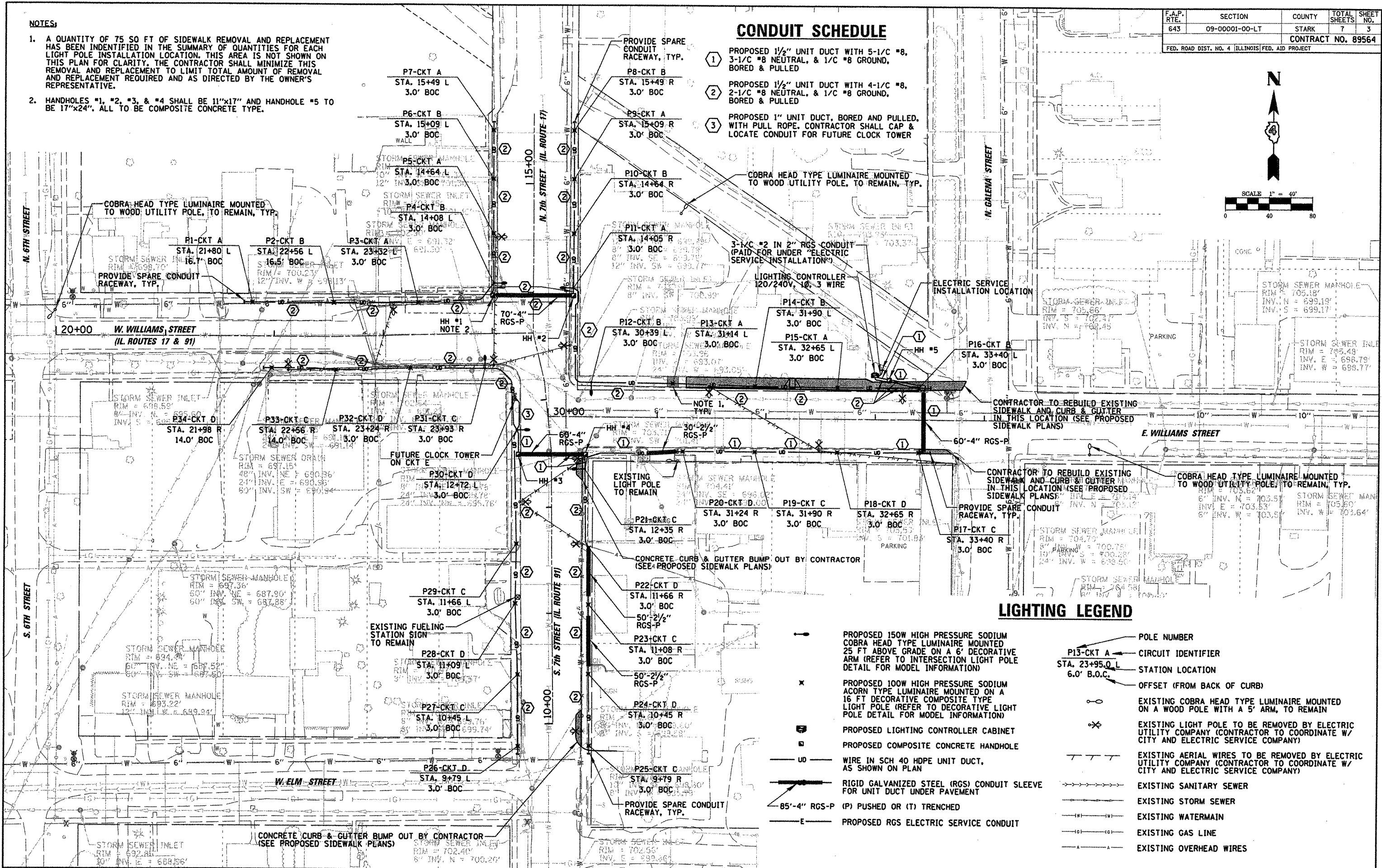
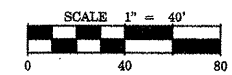
**NOTES:**

1. A QUANTITY OF 75 SO FT OF SIDEWALK REMOVAL AND REPLACEMENT HAS BEEN IDENTIFIED IN THE SUMMARY OF QUANTITIES FOR EACH LIGHT POLE INSTALLATION LOCATION. THIS AREA IS NOT SHOWN ON THIS PLAN FOR CLARITY. THE CONTRACTOR SHALL MINIMIZE THIS REMOVAL AND REPLACEMENT TO LIMIT TOTAL AMOUNT OF REMOVAL AND REPLACEMENT REQUIRED AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. HANDHOLES #1, #2, #3, & #4 SHALL BE 11"x17" AND HANDHOLE #5 TO BE 17"x24", ALL TO BE COMPOSITE CONCRETE TYPE.

**CONDUIT SCHEDULE**

- 1 PROPOSED 1/2" UNIT DUCT WITH 5-1/2" #8, 3-1/2" #8 NEUTRAL, & 1/2" #8 GROUND, BORED & PULLED
- 2 PROPOSED 1/2" UNIT DUCT WITH 4-1/2" #8, 2-1/2" #8 NEUTRAL, & 1/2" #8 GROUND, BORED & PULLED
- 3 PROPOSED 1" UNIT DUCT, BORED AND PULLED, WITH PULL ROPE. CONTRACTOR SHALL CAP & LOCATE CONDUIT FOR FUTURE CLOCK TOWER

F.A.P. RTE. 643	SECTION 09-0001-00-LT	COUNTY STARK	TOTAL SHEETS 7	SHEET NO. 3
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 89564				



**LIGHTING LEGEND**

- PROPOSED 150W HIGH PRESSURE SODIUM COBRA HEAD TYPE LUMINAIRE MOUNTED 25 FT ABOVE GRADE ON A 6' DECORATIVE ARM (REFER TO INTERSECTION LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ✕ PROPOSED 100W HIGH PRESSURE SODIUM ACORN TYPE LUMINAIRE MOUNTED ON A 16 FT DECORATIVE COMPOSITE TYPE LIGHT POLE (REFER TO DECORATIVE LIGHT POLE DETAIL FOR MODEL INFORMATION)
- ☒ PROPOSED LIGHTING CONTROLLER CABINET
- ☐ PROPOSED COMPOSITE CONCRETE HANDHOLE
- UD — WIRE IN SCH 40 HDPE UNIT DUCT, AS SHOWN ON PLAN
- RGS-P — RIGID GALVANIZED STEEL (RGS) CONDUIT SLEEVE FOR UNIT DUCT UNDER PAVEMENT
- E — PROPOSED RGS ELECTRIC SERVICE CONDUIT
- POLE NUMBER
- P13-CKT A — CIRCUIT IDENTIFIER
- STA. 23+95.0 L — STATION LOCATION
- 6.0' B.O.C. — OFFSET (FROM BACK OF CURB)
- ☒ EXISTING COBRA HEAD TYPE LUMINAIRE MOUNTED ON A WOOD POLE WITH A 5' ARM, TO REMAIN
- ☒ EXISTING LIGHT POLE TO BE REMOVED BY ELECTRIC UTILITY COMPANY (CONTRACTOR TO COORDINATE W/ CITY AND ELECTRIC SERVICE COMPANY)
- — — EXISTING AERIAL WIRES TO BE REMOVED BY ELECTRIC UTILITY COMPANY (CONTRACTOR TO COORDINATE W/ CITY AND ELECTRIC SERVICE COMPANY)
- — — EXISTING SANITARY SEWER
- — — EXISTING STORM SEWER
- — — EXISTING WATERMAIN
- — — EXISTING GAS LINE
- — — EXISTING OVERHEAD WIRES

FILE NAME =	USER NAME = #USER#	DESIGNED GAH	REVISED -
#FILE#		DRAWN KB	REVISED -
PLOT SCALE = #PrintDialogScale#		CHECKED AJD	REVISED -
PLOT DATE = 12/30/2009		DATE 11-06-2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN LIGHTING PROJECT  
PRELIMINARY LIGHT POLE LAYOUT**

SCALE: IntDialogSoc SHEET NO. 3 OF 7 SHEETS STA. TO STA.

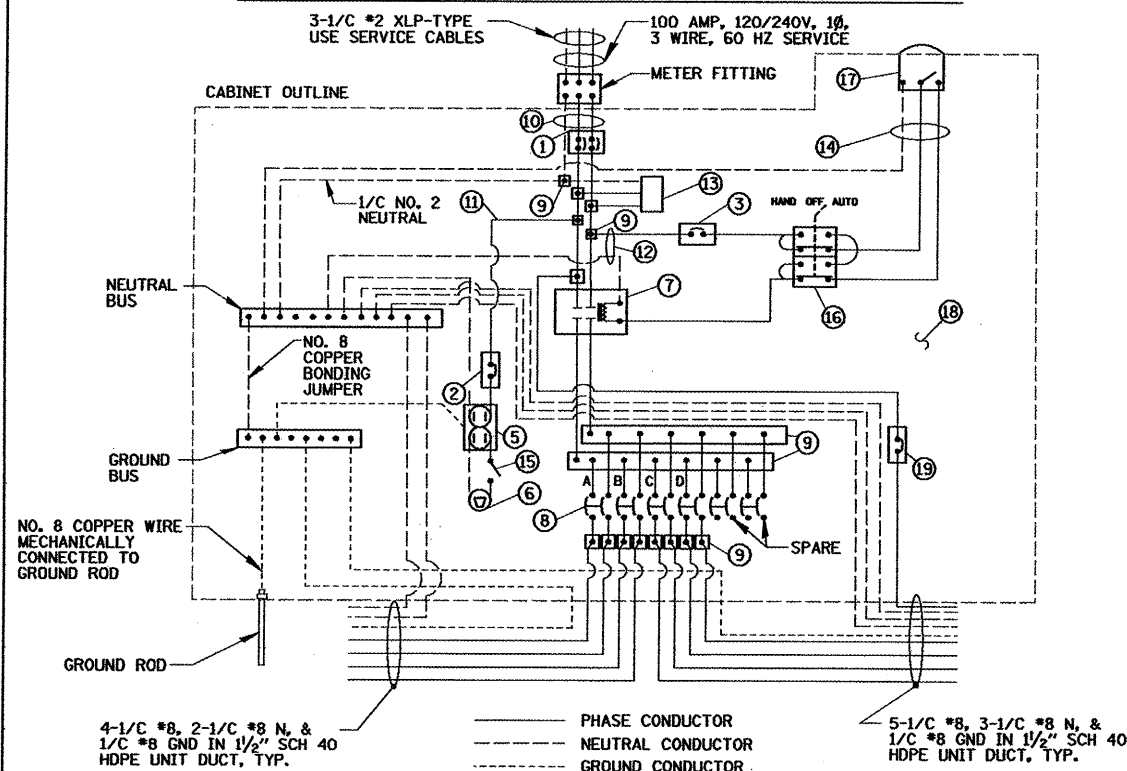
**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
202 NE Madison, Suite 301  
Peoria, Illinois 61602  
(309) 676-9000

ITEM	SPECIFICATION	MFG./MODEL NO. OR APPROVED EQUAL
① MAIN CIRCUIT BREAKER	100 AMPERE, 2P, 240V SERVICE RATING, 22KAIC	SIEMENS NO. ED42B100
② LAMPHOLDER CIRCUIT BREAKER	20 AMPERE, 1P, 120V RATING, 22KAIC	SIEMENS NO. ED41B020
③ PHOTOELECTRIC CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 22KAIC	SIEMENS NO. ED41B015
④ NOT USED		
⑤ CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER	RECEPTACLE: LEVITON NO. 8899, BOX: APPLETON NO. WSM150 COVER: APPLETON NO. WHG1
⑥ CABINET LIGHT AND BOX	120V WEATHERPROOF LAMPHOLDER MOUNTED IN A CAST ALUMINUM BOX & EXT. GRADE 100W LAMP	LIGHT & BOX: RAB NO. VX100DG
⑦ CONTACTOR	100 AMPERE, 2 POLE, 120 V COIL, ELEC HELD	SQUARE D NO. 8903 SQG 1 V02
⑧ BRANCH LINE CIRCUIT BREAKERS	6 - 30 AMPERE, 2P, 240V RATING, 22KAIC	SIEMENS NO. ED42B030
⑨ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQUIRED	MARATHON
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. 2	N/A
⑪ LAMPHOLDER WIRE	2-600V XLP NO. 12	N/A
⑫ CONTROL WIRE	2-600V XLP NO. 12	N/A
⑬ SURGE ARRESTOR	10 K AMPERE RATING	SQUARE D NO. SDSA 1175
⑭ PHOTOELECTRIC CONTROL WIRE	3-600V XLP NO. 12	N/A
⑮ LIGHT SWITCH	20A/120V, SPST TYPE SWITCH IN 4" BOX W/ COVER	HUBBELL NO. CSB120
⑯ HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE	SQUARE D NO. 9001 KYK 111
⑰ PHOTOCCELL	120V, MTD. ON CABINET, DELAY TYPE, SPST-NC	FISHER PIERCE NO. FPFA-105M
⑱ BACK PANEL	1/2" THICK SOLID PHENOLIC LAMINATE	ARBORON
⑲ FUTURE CLOCK CIRCUIT BREAKER	30 AMPERE, 1P, 120V RATING, 22KAIC	SIEMENS NO. ED41B030

**NOTES:**

- ALL ITEMS LISTED IN LIGHTING CONTROLLER COMPONENT SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR "LIGHTING CONTROLLER" INCLUDING CABINET AND FOUNDATION.
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- CONNECTION OF SURGE ARRESTOR TO LOAD SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED."

**LIGHTING CONTROLLER COMPONENT SCHEDULE**



**LIGHTING CONTROLLER WIRING DETAIL**

N.T.S.

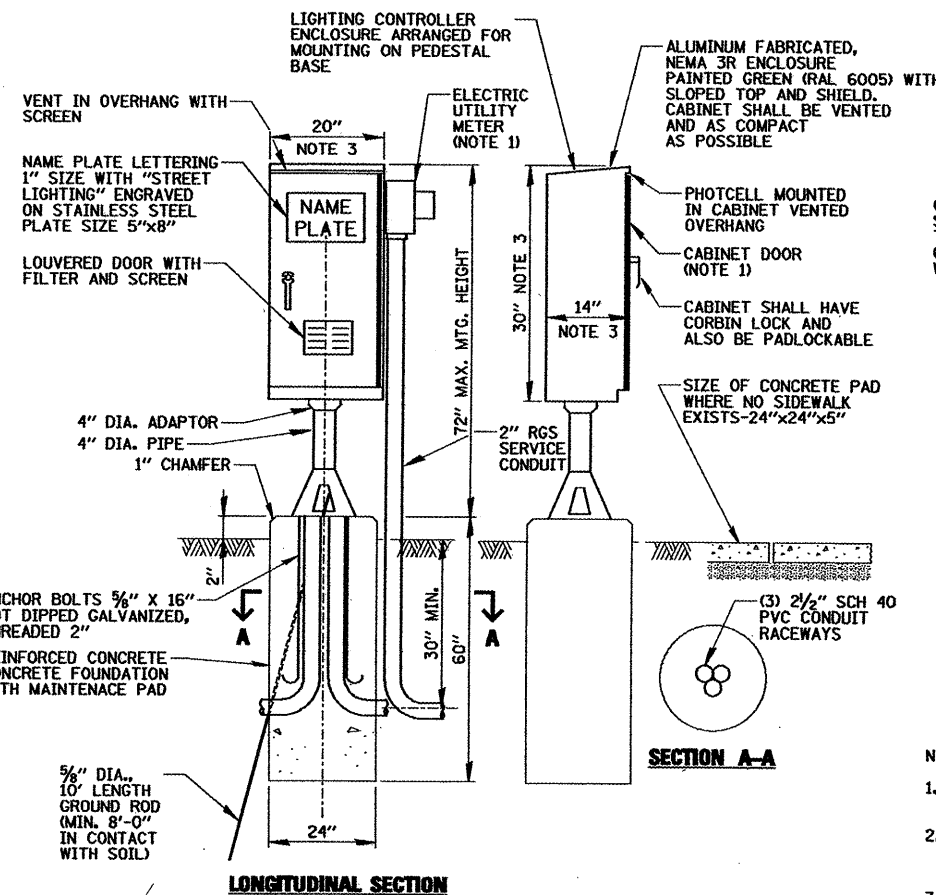
CIRCUIT ID	100W ORNAMENTAL LUMINAIRE		150W ROADWAY LUMINAIRE		RECEPTACLES OR LOAD		TOTAL CIRCUIT LOAD	
	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	(WATTS)	AMPS (VOLTS)
A	7	136	1	195	8	180	2587 W	10.8A (240V)
B	6	136	2	195	8	180	2646 W	11.0A (240V)
C	7	136	2	195	9	180	2962 W	12.3A (240V)
D	8	136	1	195	9	180	2903 W	12.1A (240V)
E	N/A	N/A	N/A	N/A	1	1440	1440 W	12A (120V)
TOTAL	28	N/A	6	N/A	35	N/A	12,538 W	52.2A (240V)

**LIGHTING CONTROLLER CIRCUIT LOADS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
643	09-00001-00-LT	STARK	7	4

CONTRACT NO. 89564  
FED. ROAD DIST. NO. 4 [ILLINOIS] FED. AID PROJECT

**NOTE:**  
ALL CONDUCTORS IN THE UNIT DUCT RUNS SHALL HAVE INDIVIDUALLY COLOR CODED INSULATION THROUGHOUT THE ENTIRE LENGTH OF THE CONDUCTOR. THE COLOR IDENTIFICATION FOR THE SYSTEM GROUND SHALL BE GREEN. THE IDENTIFICATION FOR THE NEUTRAL SHALL BE WHITE. THE FOUR (4) PHASE CONDUCTORS SHALL BE IN ACCORDANCE WITH LOCAL AND THE I.D.O.T. STANDARD SPECIFICATIONS FOR WIRING MULTI-CONDUCTOR CIRCUITS IN SINGLE UNIT DUCT RUNS.



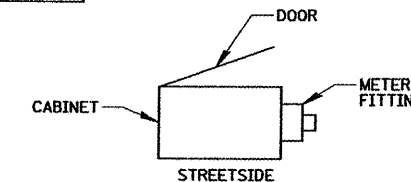
**LONGITUDINAL SECTION**

**NOTES:**

- SEE DETAIL THIS SHEET FOR CABINET METER FITTING & DOOR ORIENTATION.
- ALL ITEMS SHOWN ABOVE (INCLUDING FOUNDATION) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER", EXCEPT FOR THE SERVICE CONDUIT/WIRE WHICH WILL BE PAID FOR UNDER "ELECTRIC SERVICE INSTALLATION".
- CABINET DIMENSIONS SHOWN ARE APPROXIMATE, CABINET SHALL BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE.

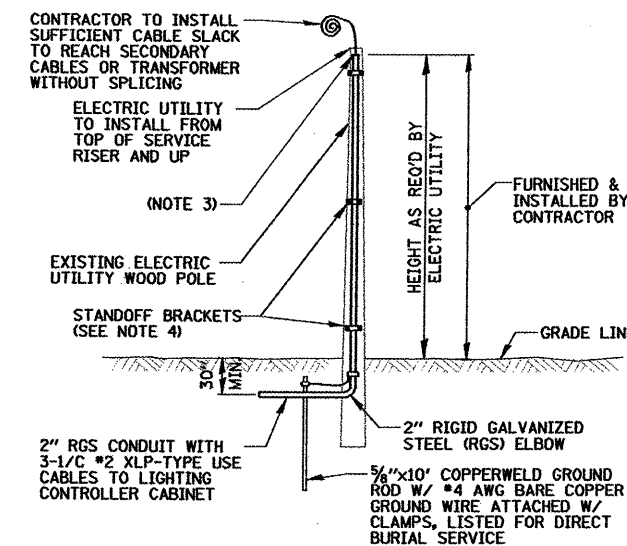
**PROPOSED LIGHTING CONTROLLER CABINET AND FOUNDATION**

N.T.S.



**CABINET METER FITTING & DOOR ORIENTATION**

N.T.S.



**NOTES:**

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL ELECTRIC UTILITY COMPANY.
- FURNISHING AND INSTALLING ALL MATERIAL SHOWN ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION".
- CONTRACTOR TO PROVIDE AN APPROVED WEATHERHEAD OR A CONDUIT BUSHING AND RACEWAY SEAL AT TOP OF RISER.
- AMEREN-CILCO TO INSTALL SERVICE RISER STANDOFF BRACKETS & PROVIDE STRAPS TO CONTRACTOR TO INSTALL. COORDINATE ALL WORK WITH SUSAN SULMONETTI FROM AMEREN-CILCO AT (309) 256-6550.

**ELECTRIC UTILITY OVERHEAD CONNECTION POLE**

N.T.S.

FILE NAME	USER NAME	DESIGNED	REVISED
N:\yongming\990519\Mech\LDI_090519_04.GIF	GHEIN	GAH	-
		KB	-
		AJD	-
		11-06-2009	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DOWNTOWN LIGHTING PROJECT  
LIGHTING DETAILS (1 OF 3)

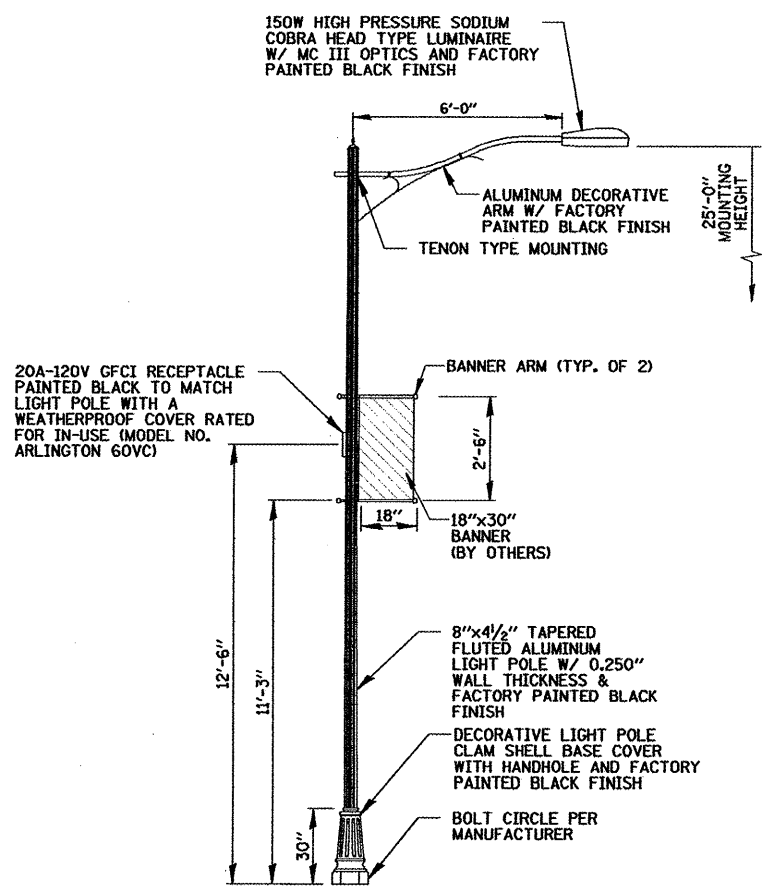
SCALE: N.T.S. SHEET NO. 4 OF 7 SHEETS STA. TO STA.

CHRISTOPHER B. BURKE ENGINEERING, LTD.  
202 NE Madison, Suite 301  
Peoria, Illinois 61602  
(309) 676-0000

## LUMINAIRE AND POLE SCHEDULE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
643	09-00001-00-LT	STARK	7	5
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			CONTRACT NO. 89564	

LIGHT POLE IDENTIFIER	LUMINAIRE				LOCATION	
	WATTAGE	MTG HT	CKT ID	POLE TYPE	STATION	OFFSET
P1	100	16'	A	ORNAMENTAL	21+80 L	16.7' B.O.C.
P2	100	16'	B	ORNAMENTAL	22+56 L	16.5' B.O.C.
P3	100	16'	A	ORNAMENTAL	23+32 L	3' B.O.C.
P4	150	25'	B	INTERSECTION	14+08 L	3' B.O.C.
P5	100	16'	A	ORNAMENTAL	14+64 L	3' B.O.C.
P6	100	16'	B	ORNAMENTAL	15+09 L	3' B.O.C.
P7	100	16'	A	ORNAMENTAL	15+49 L	3' B.O.C.
P8	100	16'	B	ORNAMENTAL	15+49 R	3' B.O.C.
P9	100	16'	A	ORNAMENTAL	15+09 R	3' B.O.C.
P10	100	16'	B	ORNAMENTAL	14+64 R	3' B.O.C.
P11	150	25'	A	INTERSECTION	14+05 R	3' B.O.C.
P12	150	25'	B	INTERSECTION	30+39 L	3' B.O.C.
P13	100	16'	A	ORNAMENTAL	31+14 L	3' B.O.C.
P14	100	16'	B	ORNAMENTAL	31+90 L	3' B.O.C.
P15	100	16'	A	ORNAMENTAL	32+65 L	3' B.O.C.
P16	100	16'	B	ORNAMENTAL	33+40 L	3' B.O.C.
P17	100	16'	C	ORNAMENTAL	33+40 R	3' B.O.C.
P18	100	16'	D	ORNAMENTAL	32+65 R	3' B.O.C.
P19	100	16'	C	ORNAMENTAL	31+90 R	3' B.O.C.
P20	100	16'	D	ORNAMENTAL	31+24 R	3' B.O.C.
P21	150	25'	C	INTERSECTION	12+35 R	3' B.O.C.
P22	100	16'	D	ORNAMENTAL	11+66 R	3' B.O.C.
P23	100	16'	C	ORNAMENTAL	11+08 R	3' B.O.C.
P24	100	16'	D	ORNAMENTAL	10+45 R	3' B.O.C.
P25	100	16'	C	ORNAMENTAL	9+79 R	3' B.O.C.
P26	100	16'	D	ORNAMENTAL	9+79 L	3' B.O.C.
P27	100	16'	C	ORNAMENTAL	10+45 L	3' B.O.C.
P28	100	16'	D	ORNAMENTAL	11+09 L	3' B.O.C.
P29	100	16'	C	ORNAMENTAL	11+66 L	3' B.O.C.
P30	150	25'	D	INTERSECTION	12+72 L	3' B.O.C.
P31	150	25'	C	INTERSECTION	23+93 R	3' B.O.C.
P32	100	16'	D	ORNAMENTAL	23+24 R	3' B.O.C.
P33	100	16'	C	ORNAMENTAL	22+56 R	14' B.O.C.
P34	100	16'	D	ORNAMENTAL	21+98 R	14' B.O.C.



LUMINAIRE MODEL INFORMATION			
MANUFACTURER	LUMINAIRE MODEL NO.	IES PHOTOMETRIC CURVE	
A	G.E.	MDCA15SDM12FMC31NJ	GE450387.IES
B	AMERICAN ELECTRIC LIGHTING	31515SMRMT2R3FG4BBK ULNRLCECLSSPLHPBF	315-15S-R3-FGHP.IES

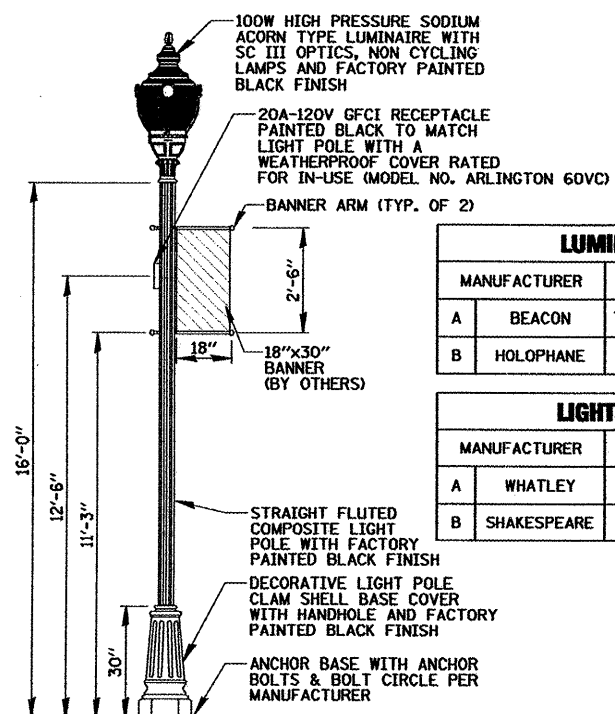
LIGHT POLE MODEL INFORMATION			
MANUFACTURER	LIGHT POLE MODEL NO.	DECORATIVE ARM	DECORATIVE BASE
A	VALMONT	CITY QUARTZ SERIES (COA816F8LT250P3BK)	VALMONT C SERIES
B	HAPCO	A4C25D8-TFO/BA27100	HAPCO ARLEN 8X24X28

**NOTES:**

- LIGHT POLES INCLUDING BANNER ARMS SHALL MEET WIND LOADING & VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 IN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL STEEL SHALL BE FROM A DOMESTIC SOURCE.
- THE LIGHT STANDARD SHALL MEET THE ILLUMINATION REQUIREMENTS AS SPECIFIED IN THE LUMINAIRE PERFORMANCE TABLES IN THE SPECIFICATIONS. ALL LUMINAIRES SHALL HAVE A MULTI-TAP BALLAST WIRED FOR 240 VOLTS OPERATION.
- ALL LIGHT STANDARDS SHALL BE FROM THE SAME MANUFACTURER, OR APPROVED EQUAL.
- LIGHT POLE SHALL BE U/L LISTED.
- ALL LUMINAIRES TO BE PROVIDED WITH NON CYCLING LAMPS.

### INTERSECTION LIGHT POLE DETAIL

N.T.S.

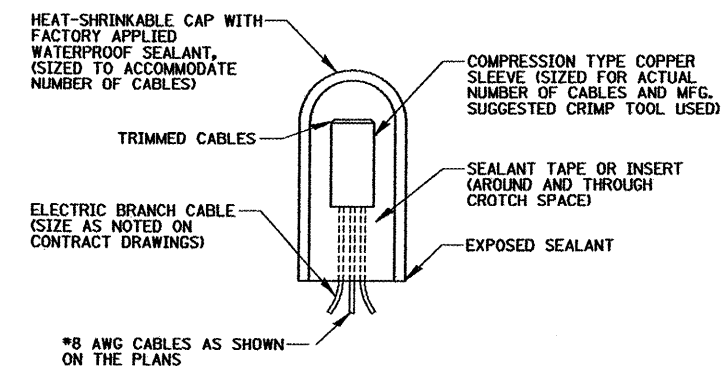


### DECORATIVE LIGHT POLE DETAIL

N.T.S.

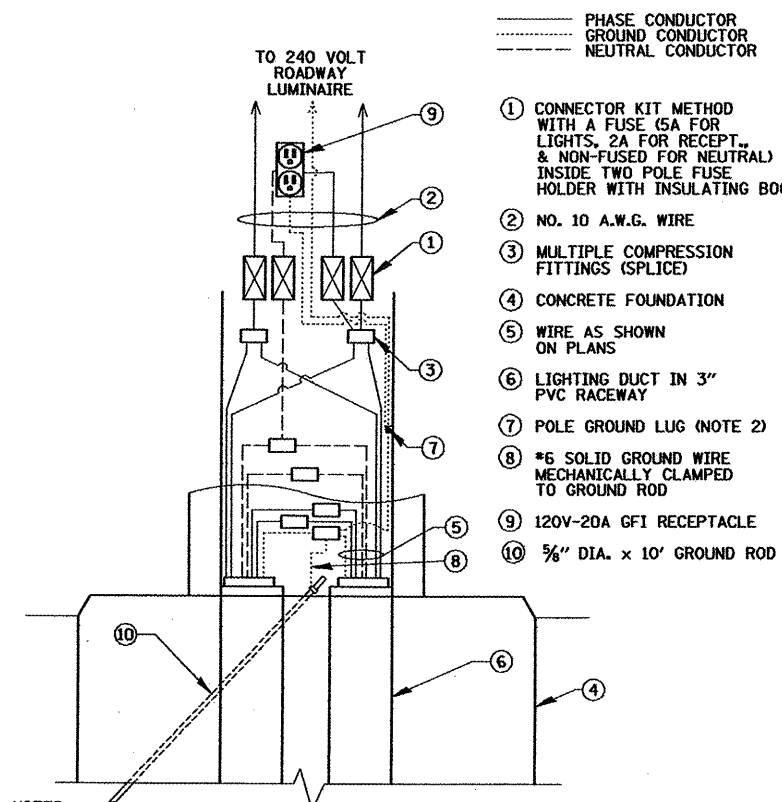
LUMINAIRE MODEL INFORMATION		
MANUFACTURER	LUMINAIRE MODEL NO.	IES PHOTOMETRIC CURVE
A	BEACON	TIPCC1H1100HPSSR3BB
B	HOLOPHANE	GVPHI0MCM6RRBP (LAMP) GVP10HO0MX6NX.X.IES

LIGHT POLE MODEL INFORMATION		
MANUFACTURER	LIGHT POLE MODEL NO.	DECORATIVE BASE
A	WHATLEY	RF4D4S16ABLK3030
B	SHAKESPEARE	AS00-16RS11



### SPlicing ELECTRIC CABLE

N.T.S.



**NOTES:**

- CONTRACTOR TO ALTERNATE PHASE LEGS ON EVERY RECEPTACLE CIRCUIT TO BALANCE RECEPTACLE LOAD ACCORDINGLY.
- NO POLE GROUND LUGS ARE PROVIDED ON COMPOSITE LIGHT POLES. CONTRACTOR SHALL EXTEND GROUND CONDUCTOR TO LUMINAIRE AT THESE LOCATIONS.

### HANDHOLE WIRING DIAGRAM

N.T.S.

FILE NAME =	USER NAME = GHENN	DESIGNED = GAH	REVISED =
H:\vgomang\090519\Mech\LOT_890519_85.SHT		DRAWN = KB	REVISED =
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	PLOT DATE = 2/1/2018	DATE = 11-06-2009	REVISED =

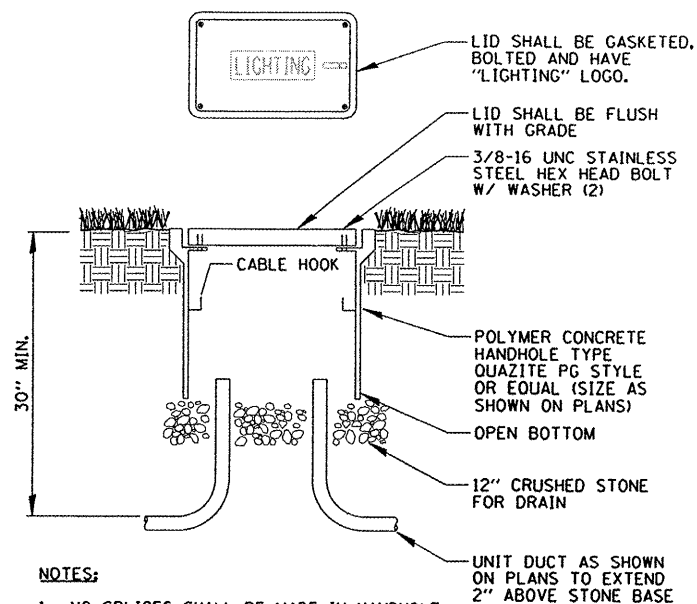
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN LIGHTING PROJECT  
LIGHTING DETAILS (2 OF 3)**

SCALE: N.T.S. SHEET NO. 5 OF 7 SHEETS STA. TO STA.

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
202 NE Madison, Suite 301  
Peoria, Illinois 61602  
(309) 678-0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
643	09-00001-00-LT	STARK	7	6
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			CONTRACT NO. 89564	

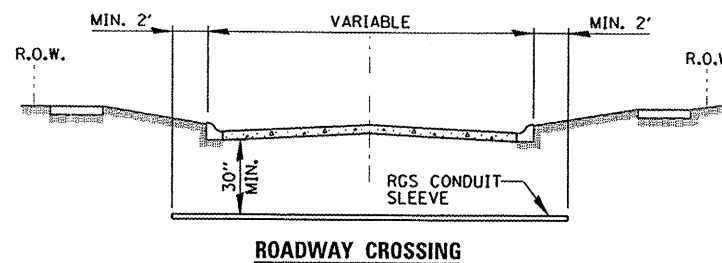


**NOTES:**

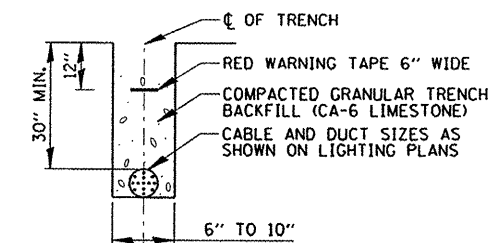
1. NO SPLICES SHALL BE MADE IN HANDHOLE.
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREEN IN LANDSCAPED AREAS AND MATCH COLOR IN CONCRETE/BRICK AREAS.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS AND BE UL LISTED.

**POLYMER CONCRETE HANDHOLE**

N.T.S.



**ROADWAY CROSSING**



**TRENCH CROSS SECTION**

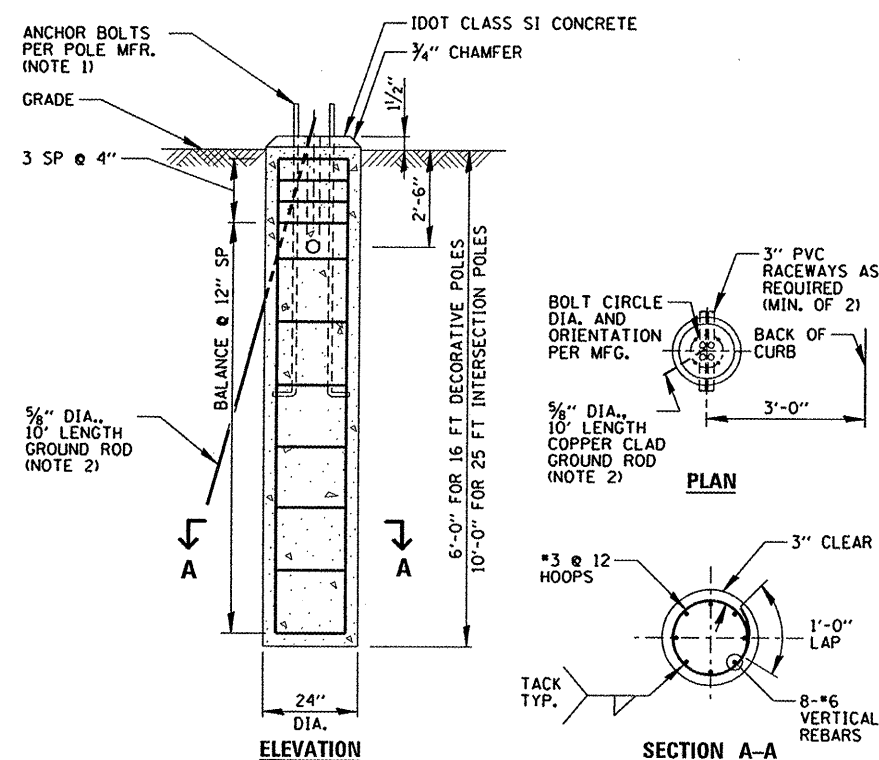
- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 30" BELOW ROADWAY OR CURB BOTTOM.

**ELECTRIC CONDUIT INSTALLATION**

N.T.S.

**CONDUIT SCHEDULE**

- ① PROPOSED 1 1/2" UNIT DUCT WITH 5-1/C #8, 3-1/C #8 NEUTRAL, & 1/C #8 GROUND, BORED & PULLED
- ② PROPOSED 1 1/2" UNIT DUCT WITH 4-1/C #8, 2-1/C #8 NEUTRAL, & 1/C #8 GROUND, BORED & PULLED
- ③ PROPOSED 1" UNIT DUCT, BORED AND PULLED, WITH PULL ROPE. CONTRACTOR SHALL CAP & LOCATE CONDUIT FOR FUTURE CLOCK TOWER

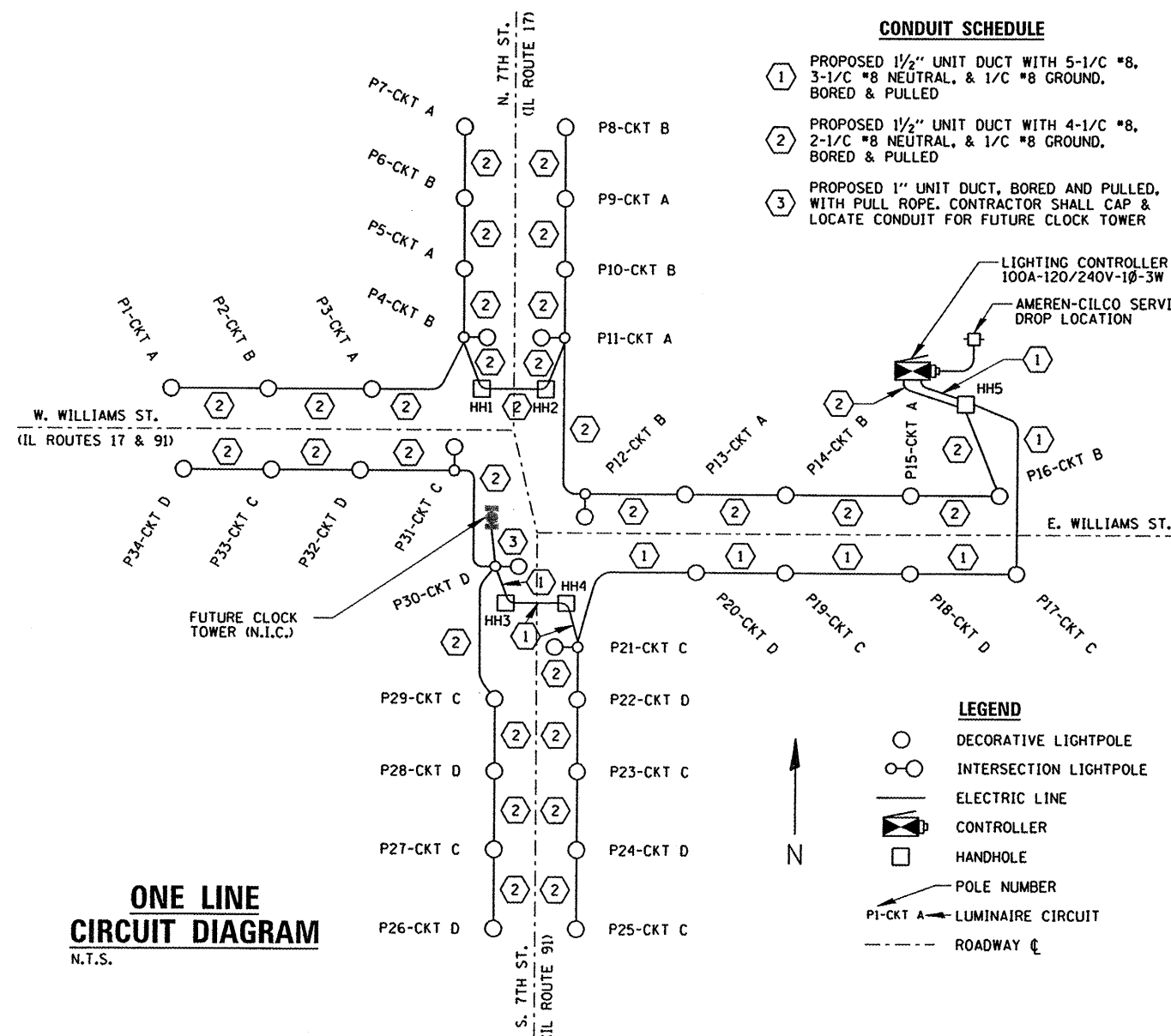


**NOTES:**

1. FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE, INCLUDING ANCHOR RODS.
2. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
3. FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
4. ALL ABOVE ITEMS INCLUDING CONCRETE, REINFORCEMENT, RACEWAYS AND FORMWORK SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION" PAY ITEM.

**CONCRETE FOUNDATION DETAIL**

N.T.S.



**ONE LINE CIRCUIT DIAGRAM**

N.T.S.

**LEGEND**

- DECORATIVE LIGHTPOLE
- INTERSECTION LIGHTPOLE
- ELECTRIC LINE
- CONTROLLER
- HANDHOLE
- POLE NUMBER
- P1-CKT A → LUMINAIRE CIRCUIT
- ROADWAY C

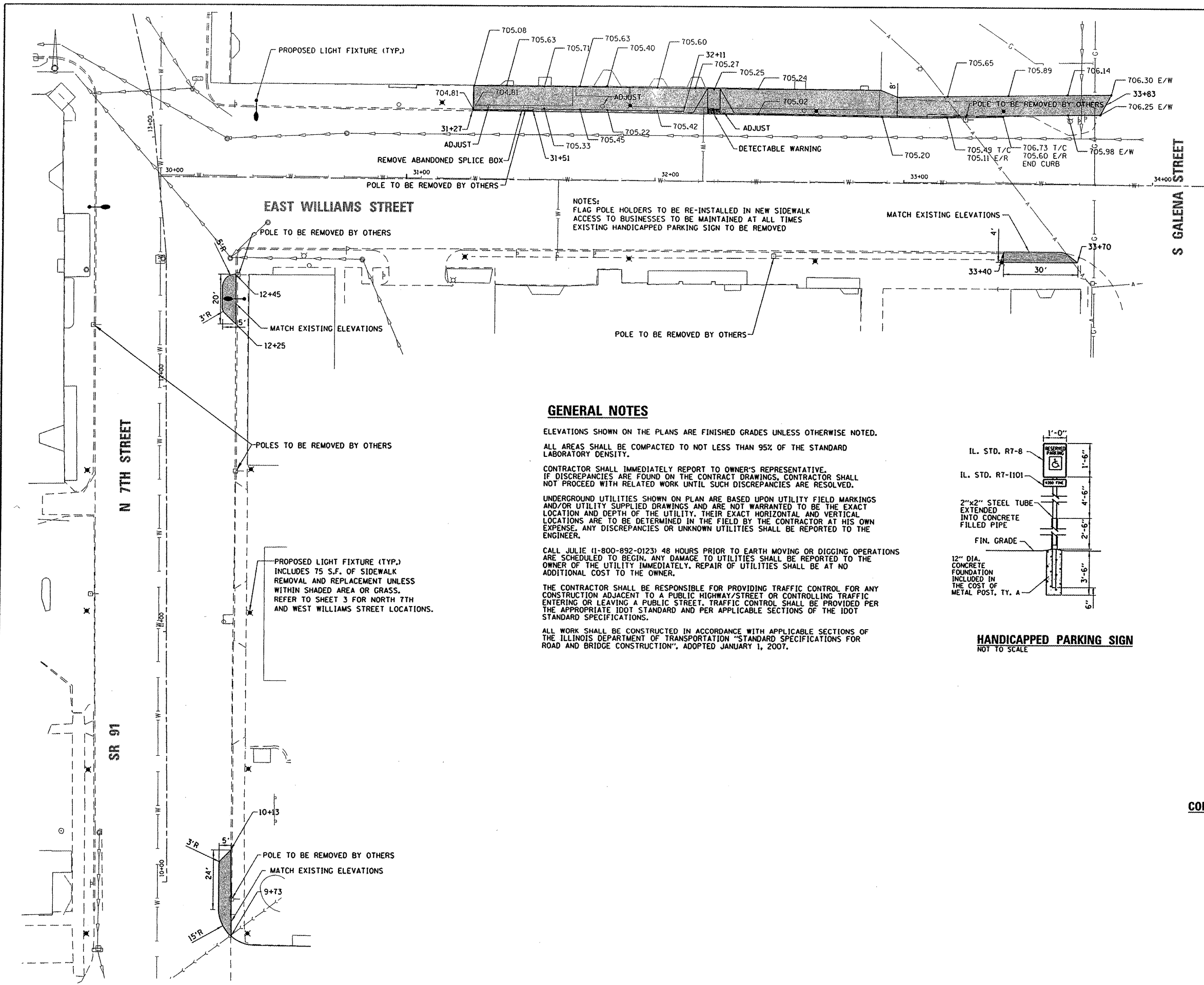
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#FILE#		DRAWN KB	REVISED -
		CHECKED AJD	REVISED -
		DATE 11-06-2009	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DOWNTOWN LIGHTING PROJECT  
LIGHTING DETAILS (3 OF 3)

CHRISTOPHER B. BURKE ENGINEERING, LTD.  
202 NE Madison, Suite 301  
Peoria, Illinois 61602  
(309) 676-9000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
643	09-00001-00-LT	STARK	7	7
CONTRACT NO. 89564				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES UNLESS OTHERWISE NOTED.

ALL AREAS SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LABORATORY DENSITY.

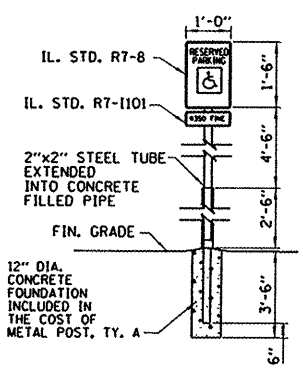
CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER'S REPRESENTATIVE. IF DISCREPANCIES ARE FOUND ON THE CONTRACT DRAWINGS, CONTRACTOR SHALL NOT PROCEED WITH RELATED WORK UNTIL SUCH DISCREPANCIES ARE RESOLVED.

UNDERGROUND UTILITIES SHOWN ON PLAN ARE BASED UPON UTILITY FIELD MARKINGS AND/OR UTILITY SUPPLIED DRAWINGS AND ARE NOT WARRANTED TO BE THE EXACT LOCATION AND DEPTH OF THE UTILITY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE. ANY DISCREPANCIES OR UNKNOWN UTILITIES SHALL BE REPORTED TO THE ENGINEER.

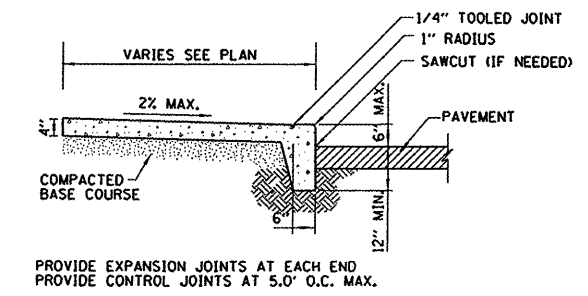
CALL JULIE (1-800-892-0123) 48 HOURS PRIOR TO EARTH MOVING OR DIGGING OPERATIONS ARE SCHEDULED TO BEGIN. ANY DAMAGE TO UTILITIES SHALL BE REPORTED TO THE OWNER OF THE UTILITY IMMEDIATELY. REPAIR OF UTILITIES SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL FOR ANY CONSTRUCTION ADJACENT TO A PUBLIC HIGHWAY/STREET OR CONTROLLING TRAFFIC ENTERING OR LEAVING A PUBLIC STREET. TRAFFIC CONTROL SHALL BE PROVIDED PER THE APPROPRIATE IDOT STANDARD AND PER APPLICABLE SECTIONS OF THE IDOT STANDARD SPECIFICATIONS.

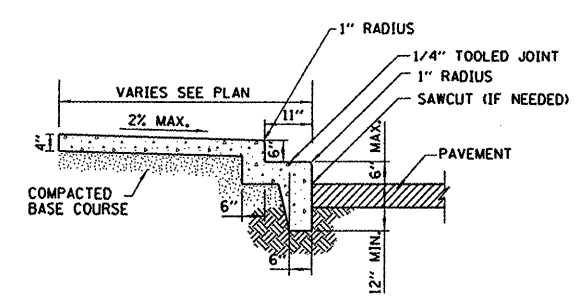
ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007.



**HANDICAPPED PARKING SIGN**  
NOT TO SCALE



**COMBINATION CURB & SIDEWALK DETAIL**  
NOT TO SCALE



**COMBINATION CURB & SIDEWALK DETAIL WITH STEP**  
LT. STA. 31+51 TO STA. 32+11  
NOT TO SCALE

FILE NAME =  
P:\09519\Civil\09519-01.pln

USER NAME = D\wright  
PLOT SCALE = 40'  
PLOT DATE = 2/1/2010

DESIGNED	DAW	REVISED	-
DRAWN	LTW	REVISED	-
CHECKED	DAW	REVISED	-
DATE	11-06-2009	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DOWNTOWN LIGHTING PROJECT**  
**SIDEWALK IMPROVEMENTS**

SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
202 NE Madison, Suite 301  
Peoria, Illinois 61602  
(309) 676-9000