

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

71ST STREET (FAU 1537)

STREET LIGHTING

HARLEM AVENUE (FAP 348) TO ROBERTS ROAD (FAU 2757)

S.T.P. PROJECT NO.: M-8003(651)

SECTION NO. : 06-00053-00-LT

VILLAGE of BRIDGEVIEW

COOK COUNTY

C-91-395-06

FAU RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	001
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

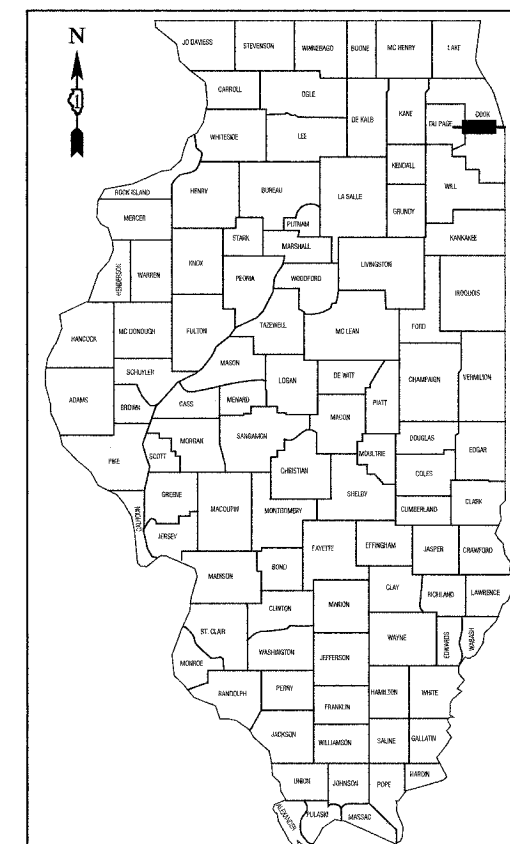
CONTRACT #83900

INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES & GENERAL NOTES
- 3-4. PLAN SHEETS
5. WIRING DIAGRAM
- 6-9. LIGHTING DETAILS

STATE STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701501-03 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701606-04 URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-03 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 702001-06 TRAFFIC CONTROL DEVICES



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

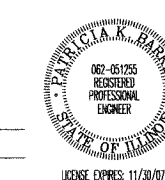
Approved: 3/28/07
[Signature]
Mayor, Village of Bridgeview

Passed: 4-23-2007
[Signature]
District Engineer of Local Roads & Streets

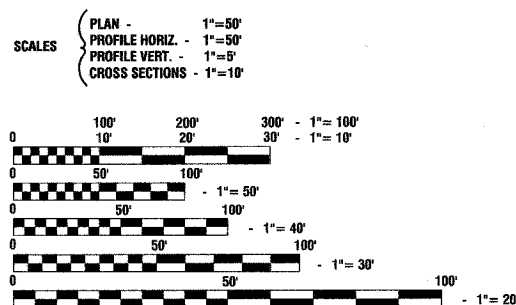
Released for Bid
Based on Limited
Review: 4/2/07
[Signature]
Deputy Director of Highways, Region One Engineer

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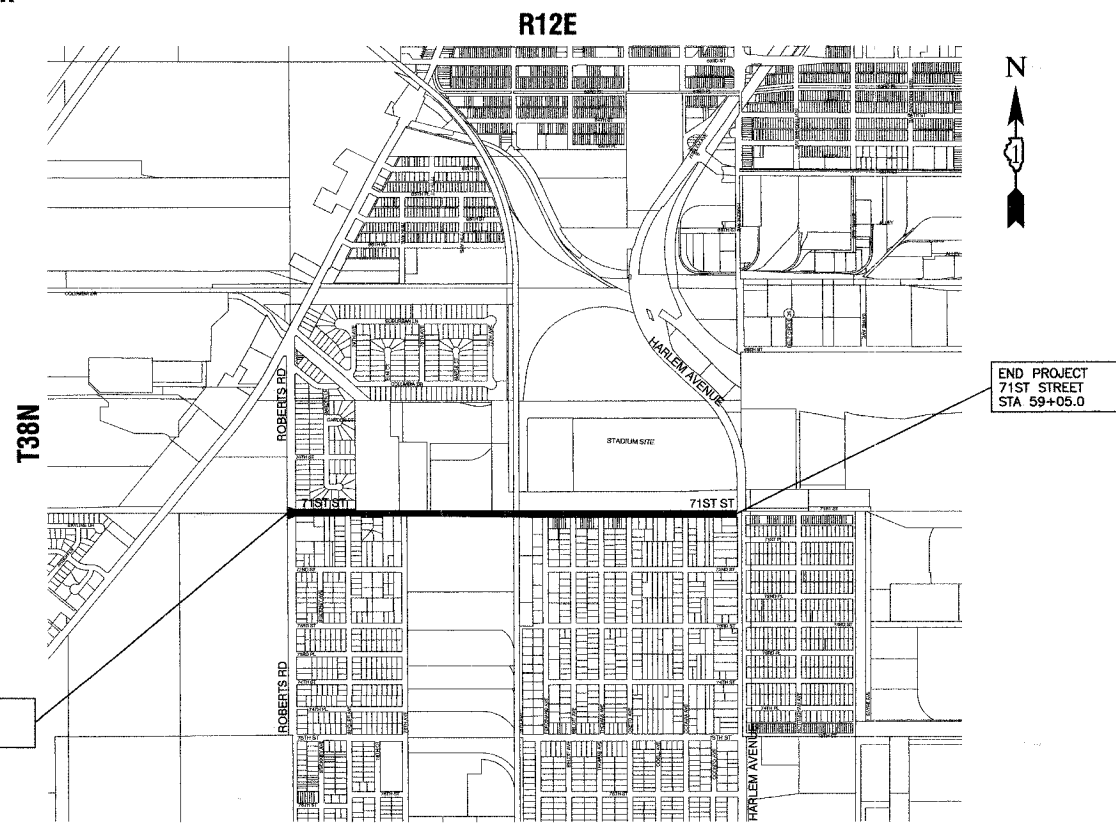
3-28-07



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

CONTRACT NO. 83900



LOCATION MAP

GROSS LENGTH=5,257.5 FEET=1.00 MILES
NET LENGTH=5,257.5 FEET=1.00 MILES

IDOT FEDERAL AID DESIGN ENGINEER: PHIL MARCYN 847-705-4189
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

FAS. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	002
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #83900

SUMMARY OF QUANTITIES				
YO30 1E				
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN
*	XX005523	FURNISHING AND PLACING TOPSOIL, 4"	SQ YD	6630
	21300010	EXPLORATION TRENCH, SPECIAL	FOOT	500
*	25200110	SODDING, SALT TOLERANT (SPECIAL)	SQ YD	6630
*	25200200	SUPPLEMENTAL WATERING	UNIT	100
*	42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	625
	44000600	SIDEWALK REMOVAL	SQ FT	625
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
	XX001937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	56
	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	50
	81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	1455
	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	9950
	81600925	UNIT DUCT, WITH 3-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1 1/4" DIA., POLYETHYLENE	FOOT	11300
	81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	150
	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	50
	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	4
	82500520	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480VOLT	EACH	2
	83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	32
	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	22
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	400
	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	54
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	54
	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	3
	84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	3
	67100100	MOBILIZATION	L SUM	1

GENERAL NOTES

1. ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
4. FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL C.E. Co.
5. SIZE ALL CONDUIT AS SPECIFIED ON DRAWINGS.
6. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (i.e. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

71ST STREET
STREET LIGHTING
SUMMARY OF QUANTITIES AND
GENERAL NOTES

SCALE: VERT. NA
HORIZ. NA
DATE 02/23/07

DRAWN BY PS
CHECKED BY PB

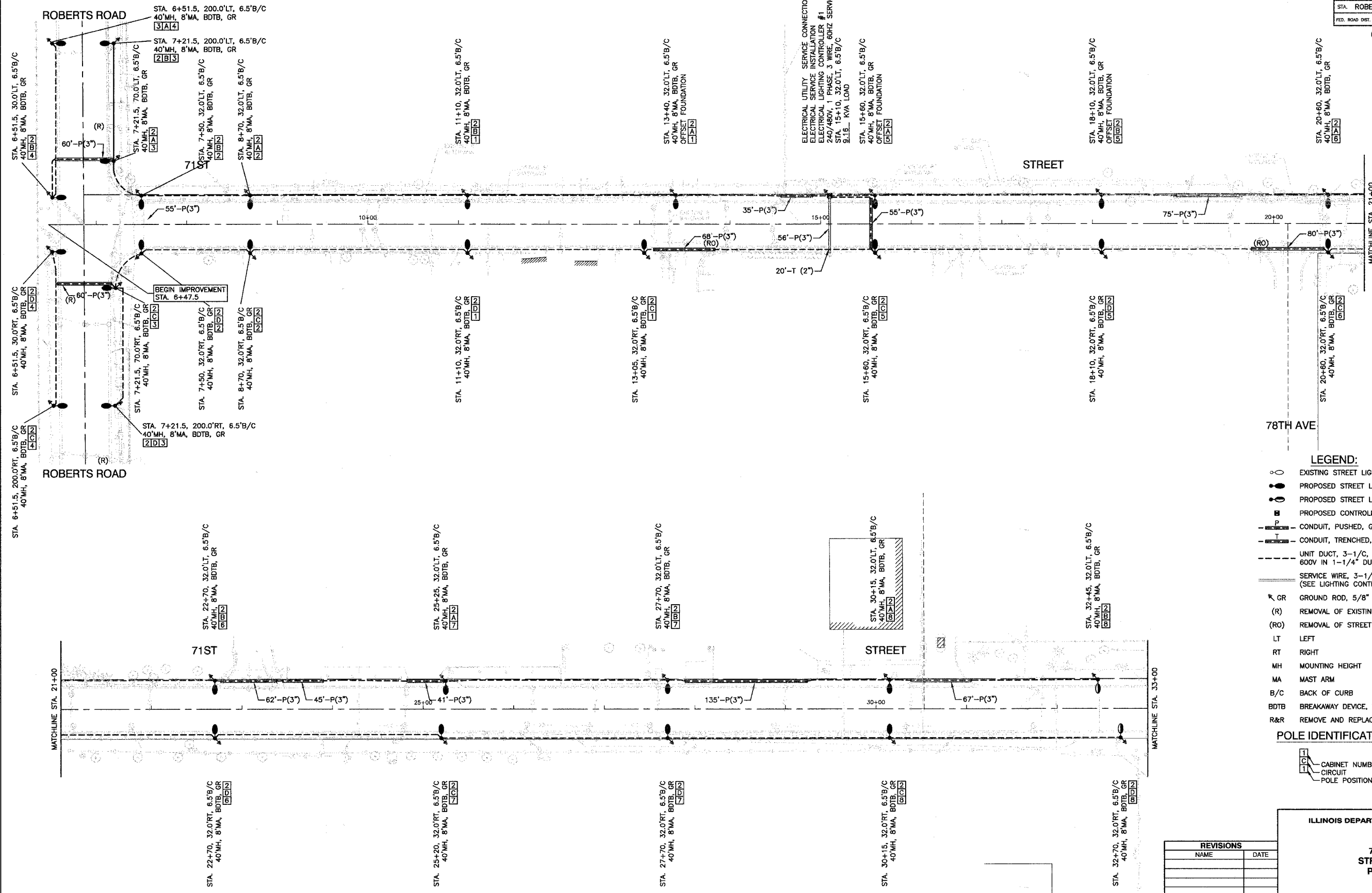
ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE, SOUTH HAVEN, ILLINOIS 60070
(708) 331-6700 FAX (708) 331-3666
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001184

08164-QUAN-01

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

FILE NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	003
STA. ROBERTS ROAD TO STA. 33+00				
FED. ROAD DIST. NO.	LANDS	FED. AID PROJECT		

CONTRACT #83900



- LEGEND:**
- ○ EXISTING STREET LIGHT-310W HPS
 - ○ PROPOSED STREET LIGHT-250W HPS
 - ○ PROPOSED STREET LIGHT-310W HPS
 - PROPOSED CONTROLLER
 - P — CONDUIT, PUSHED, GALVANIZED STEEL
 - T — CONDUIT, TRENCHED, GALVANIZED STEEL
 - U — UNIT DUCT, 3-1/4" C, NO.6 AWG AND NO.8 GROUND, 600V IN 1-1/4" DUCT
 - S — SERVICE WIRE, 3-1/4" C, NO. 1/0 AWG. (SEE LIGHTING CONTROLLER PLAN)
 - ⊗ GR GROUND ROD, 5/8" DIA. x 10'
 - (R) REMOVAL OF EXISTING STREET LIGHT
 - (RO) REMOVAL OF STREET LIGHT BY OTHERS
 - LT LEFT
 - RT RIGHT
 - MH MOUNTING HEIGHT
 - MA MAST ARM
 - B/C BACK OF CURB
 - BDBT BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE
 - R&R REMOVE AND REPLACE EXISTING STREET LIGHT
- POLE IDENTIFICATION**
- 11 CABINET NUMBER
 - 12 CIRCUIT
 - 13 POLE POSITION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**71ST STREET
STREET LIGHTING
PLAN SHEETS**

SCALE: VERT. NA
HORIZ. 1"=50'

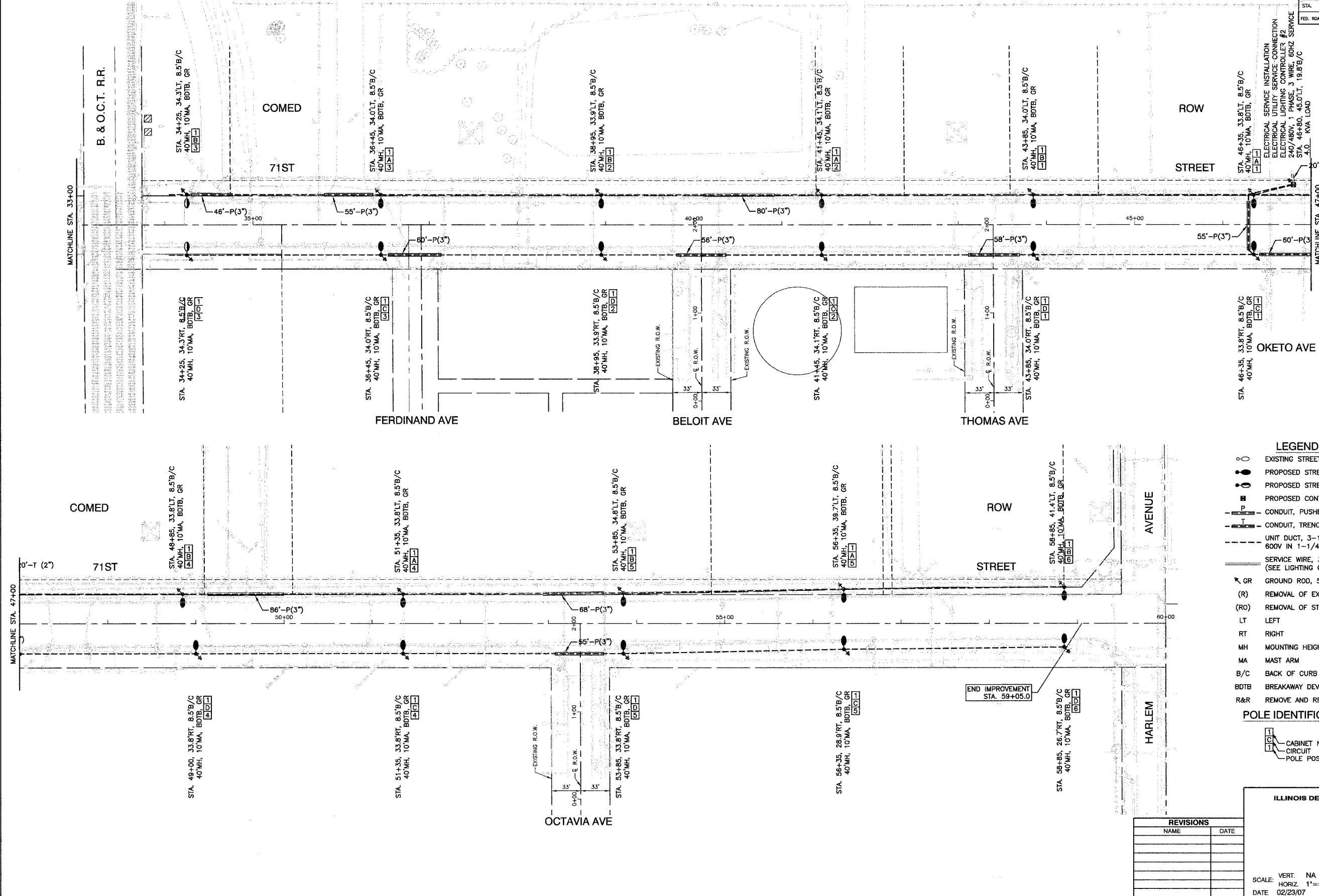
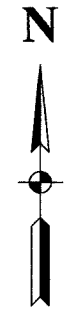
DATE 02/23/07

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SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
06-00053-00-LT	COOK	009	004
STA. 33+00	TO STA. HARLEM AVENUE		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

CONTRACT #83900



- LEGEND:**
- EXISTING STREET LIGHT-310W HPS
 - PROPOSED STREET LIGHT-250W HPS
 - PROPOSED STREET LIGHT-310W HPS
 - PROPOSED CONTROLLER
 - CONDUIT, PUSHED, GALVANIZED STEEL
 - - - CONDUIT, TRENCHED, GALVANIZED STEEL
 - UNIT DUCT, 3-1/2", NO.6 AWG AND NO.8 GROUND, 600V IN 1-1/4" DUCT
 - SERVICE WIRE, 3-1/2", NO. 1/0 AWG. (SEE LIGHTING CONTROLLER PLAN)
 - ✕ GR GROUND ROD, 5/8" DIA. x 10'
 - (R) REMOVAL OF EXISTING STREET LIGHT
 - (RO) REMOVAL OF STREET LIGHT BY OTHERS
 - LT LEFT
 - RT RIGHT
 - MH MOUNTING HEIGHT
 - MA MAST ARM
 - B/C BACK OF CURB
 - BDTB BREAKAWAY DEVICE, TRANSFORMER BASE, 15" BOLT CIRCLE
 - R&R REMOVE AND REPLACE EXISTING STREET LIGHT
- POLE IDENTIFICATION**
- CABINET NUMBER
 - CIRCUIT
 - POLE POSITION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

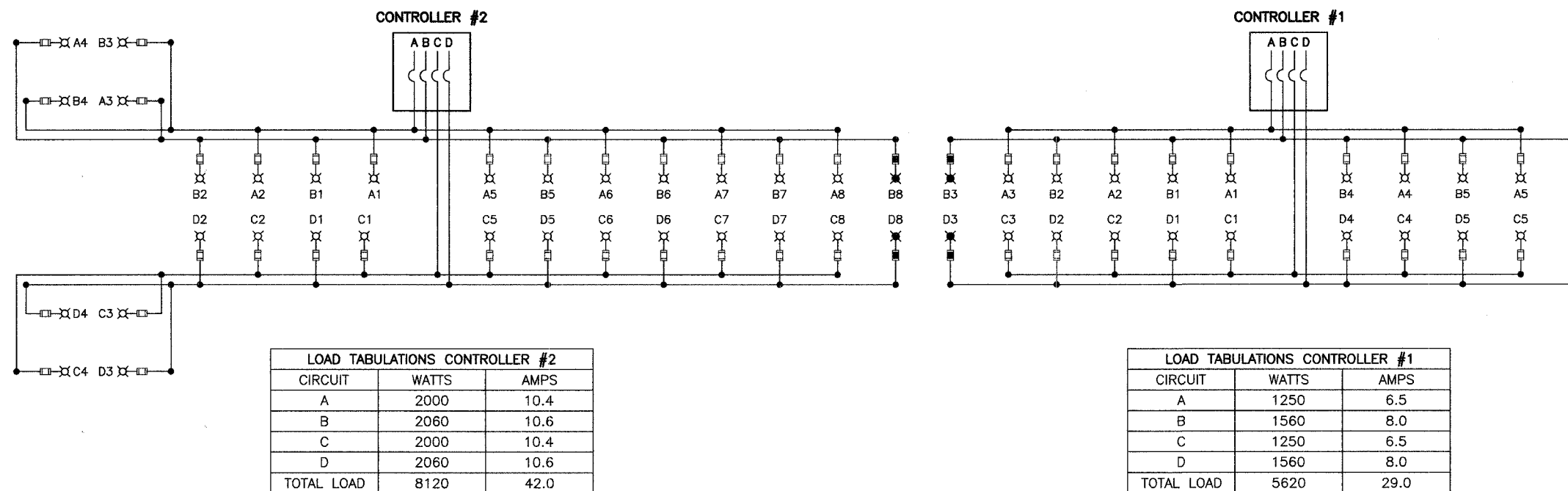
71ST STREET STREET LIGHTING PLAN SHEETS

SCALE: VERT. NA
HORIZ. 1"=50'
DATE 02/23/07

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CHECKED BY PB

FILE NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	005
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #83900



- LEGEND**
- ⌘ LUMINAIRE, 250W HPS, STREET LIGHT
 - FUSE, 3.5 AMP
 - ⌘ LUMINAIRE, 310W HPS, STREET LIGHT
 - FUSE, 5 AMP
 - A1 LUMINAIRE CIRCUIT
 - ⌋ CIRCUIT BREAKER
 - CONNECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**71ST STREET
STREET LIGHTING
SINGLE LINE WIRING DIAGRAM**

SCALE: VERT. NA
 HORIZ. NA

DATE: 02/23/07

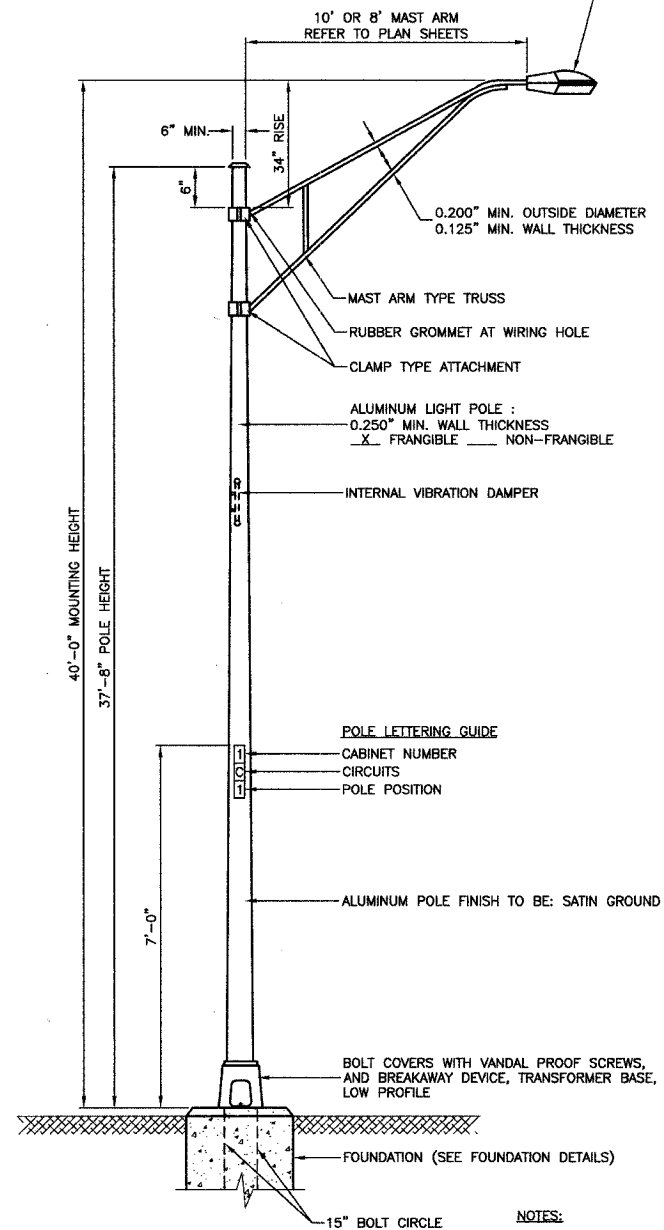
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CHECKED BY PB

ROBINSON ENGINEERING, LTD.
1706 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473
(708) 381-8700 FAX (708) 381-9820 ILLINOIS DESIGN FIRM REGISTRATION NO. 154001158 06184-LIGHT-DTLS-01

FAUL. NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	006
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #83900

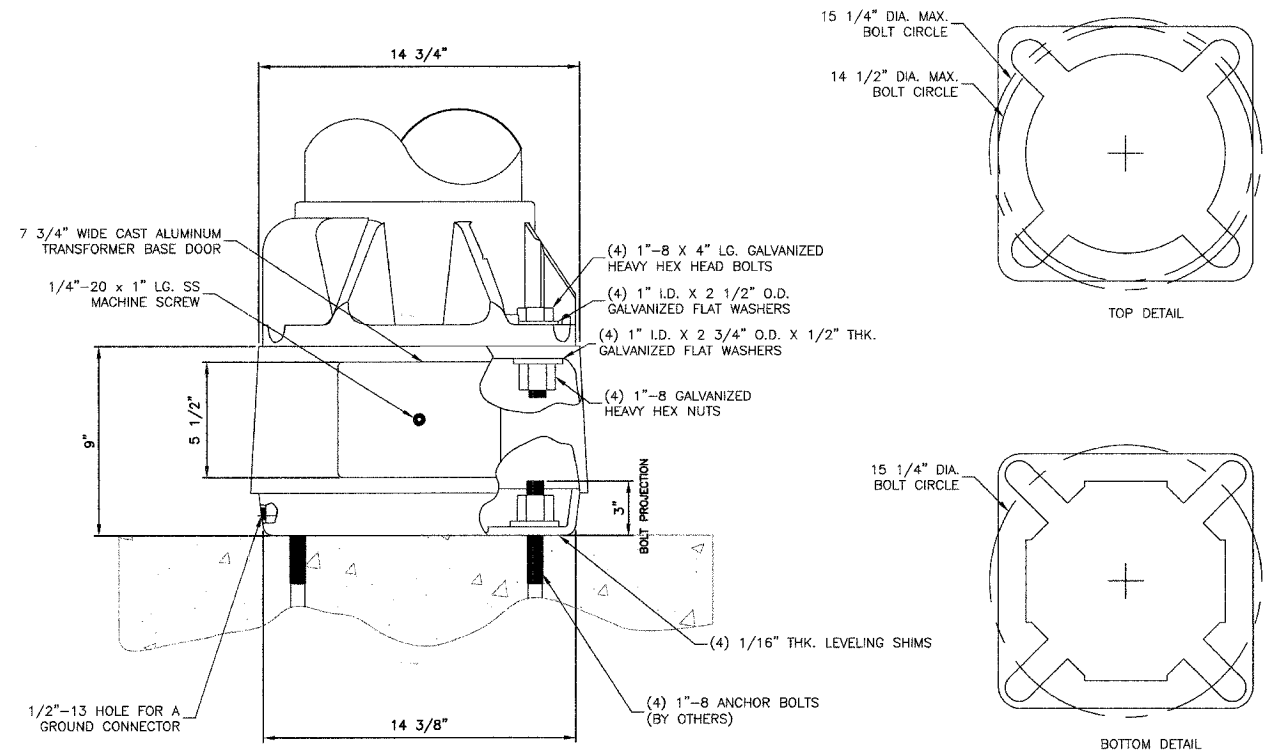
LUMINAIRE:	
250 WATT HIGH PRESSURE SODIUM LAMP 240 VOLT BALLAST	310 WATT HIGH PRESSURE SODIUM LAMP 240 VOLT BALLAST
I.E.S. TYPE: LENS TYPE: INITIAL LAMP LUMENS: LAMP LIFE:	MC III LIGHT DISTRIBUTION OR FLAT 28,000 24,000 HOURS
I.E.S. TYPE: LENS TYPE: INITIAL LAMP LUMENS: LAMP LIFE:	MC III LIGHT DISTRIBUTION FLAT 37,000 24,000 HOURS



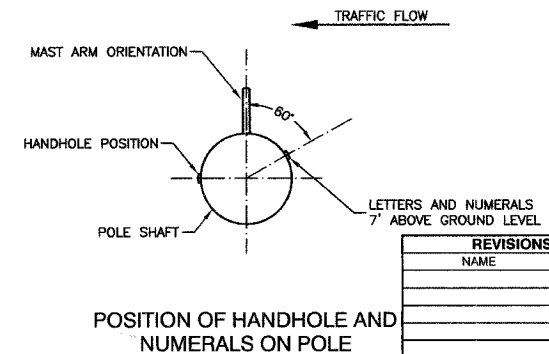
TYPICAL POLE INSTALLATION (40' MH)

- NOTES:
1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 30% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
 2. ALUMINUM ALLOY 6063-T6 SHALL BE USED.

IMPORTANT NOTE:
TRANSFORMER BASE AND LIGHTPOLE
TO BE LEVELLED AS ONE UNIT. USING
LEVELING SHIMS IF REQUIRED.



TRANSFORMER BASE DETAIL



POSITION OF HANDHOLE AND NUMERALS ON POLE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

71ST STREET
STREET LIGHTING
LIGHTING DETAILS

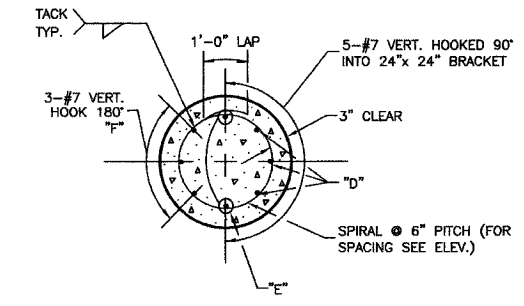
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HORIZ. NA
DATE: 02/23/07

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CHECKED BY: PB

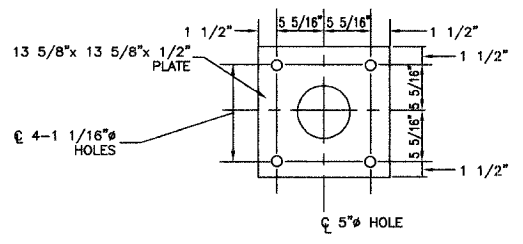
SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

FILE NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

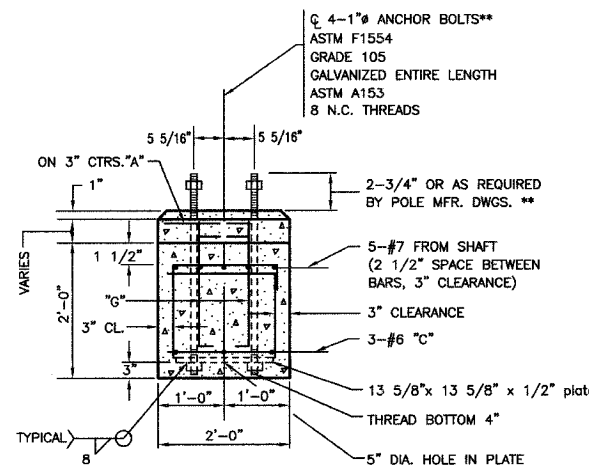
CONTRACT #83900



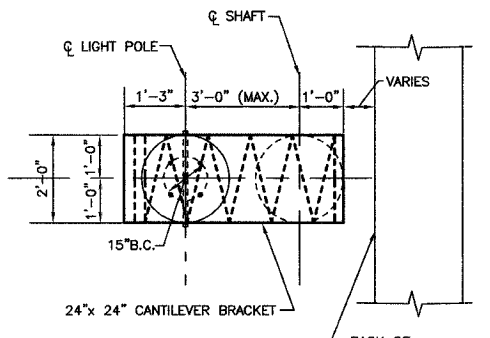
SECTION A-A



ANCHOR BOLT PLATE



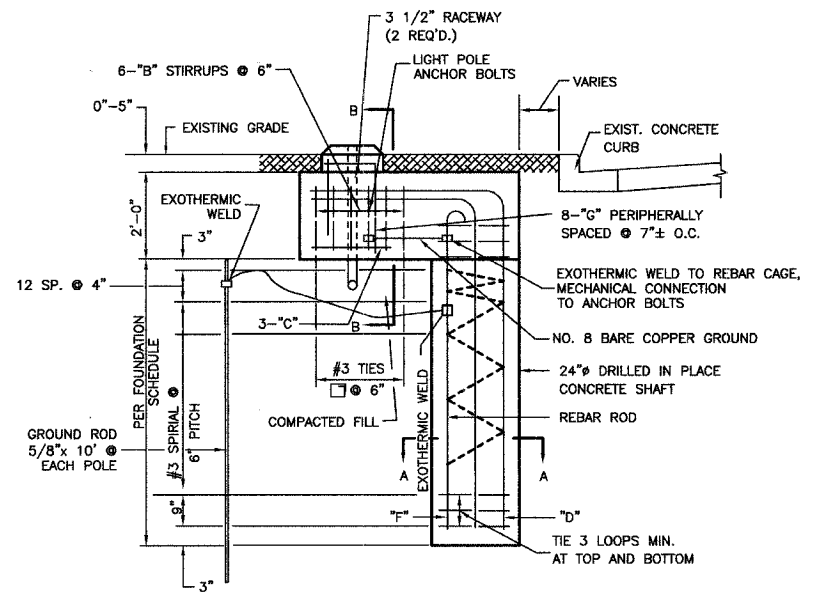
SECTION B-B



PLAN - CANTILEVERED BRACKET

****NOTE:**
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

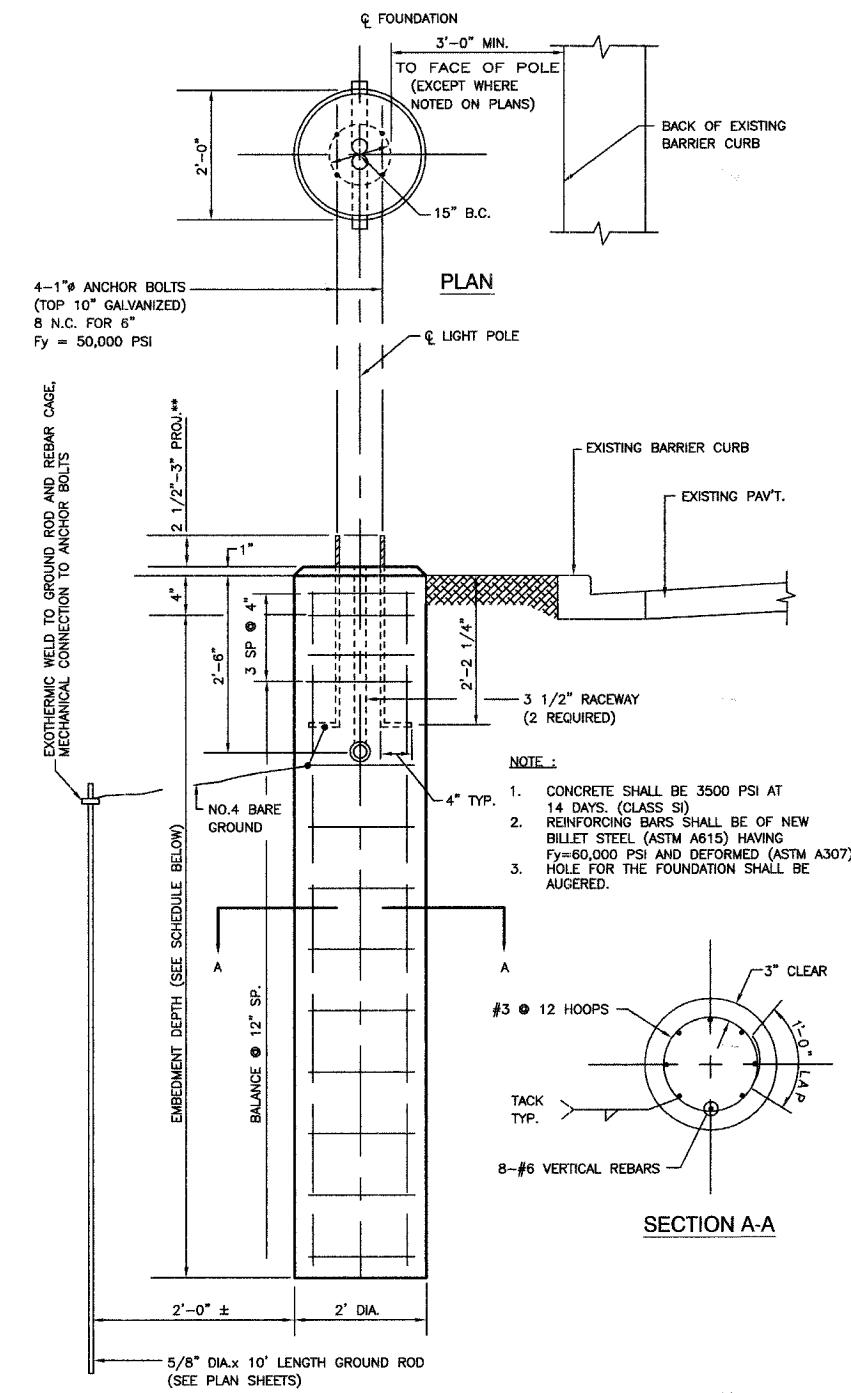
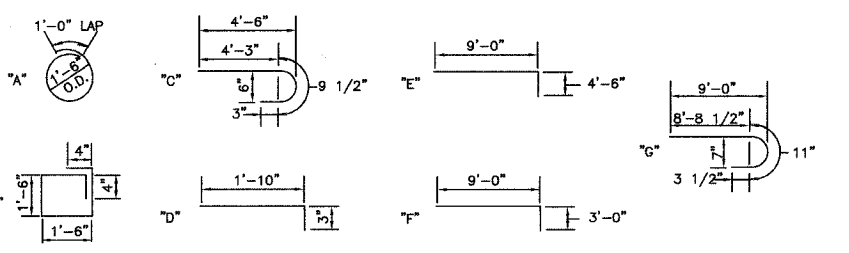
- NOTE:**
- CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
 - REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM A615 (A615) AND DEFORMED
 - HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
 - POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
 - THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER



ELEVATION

POLE FOUNDATION, OFFSET - DETAILS

BILL OF MATERIALS				
"LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET"				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	○
6	B	NO.3	6'-8"	□
3	C	NO.6	5'-31/2"	○
8	G	NO.6	2'-1"	□
3	D	NO.7	13'-6"	□
2	E	NO.7	12'-0"	□
3	F	NO.7	9'-11"	□
REINFORCING BARS		LBS.		285
CLASS X CONCRETE		CU.YDS.		1.7
ANCHOR BOLTS		NO.		4
ANCHOR BOLT PLATE NO.				1

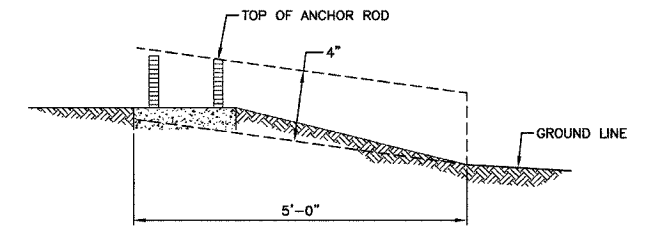


ELEVATION

LIGHT POLE FOUNDATION (TYPICAL)

****NOTE:**
ACTUAL FOUNDATION DEPTH IS EMBEDMENT DEPTH (FROM SCHEDULE) PLUS 6" EQUALS TOTAL DEPTH.
7'-6"+6"= 8'-0" FOR 40' MH
10'-0"+6"=10'-6" FOR 47.5' MH

TYPE OF SOILS		EMBEDMENT			
DESCRIPTION	STANDARDS	MOUNTING HEIGHT			
		30 FT.	35 FT.	40 FT.	47.5 FT.
SOFT CLAY	Qu = .25-50 T/FT. 2	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Qu = .50-1.0 T/FT. 2	6'-6"	7'-0"	7'-6"	10'-0"
DENSE CLAY	Qu = 1.0-2.0 T/FT. 2	5'-6"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N = 4-10	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N = 10-30	6'-0"	6'-6"	7'-3"	9'-6"
DENSE SAND	N = 30-50	5'-6"	6'-0"	6'-6"	8'-6"



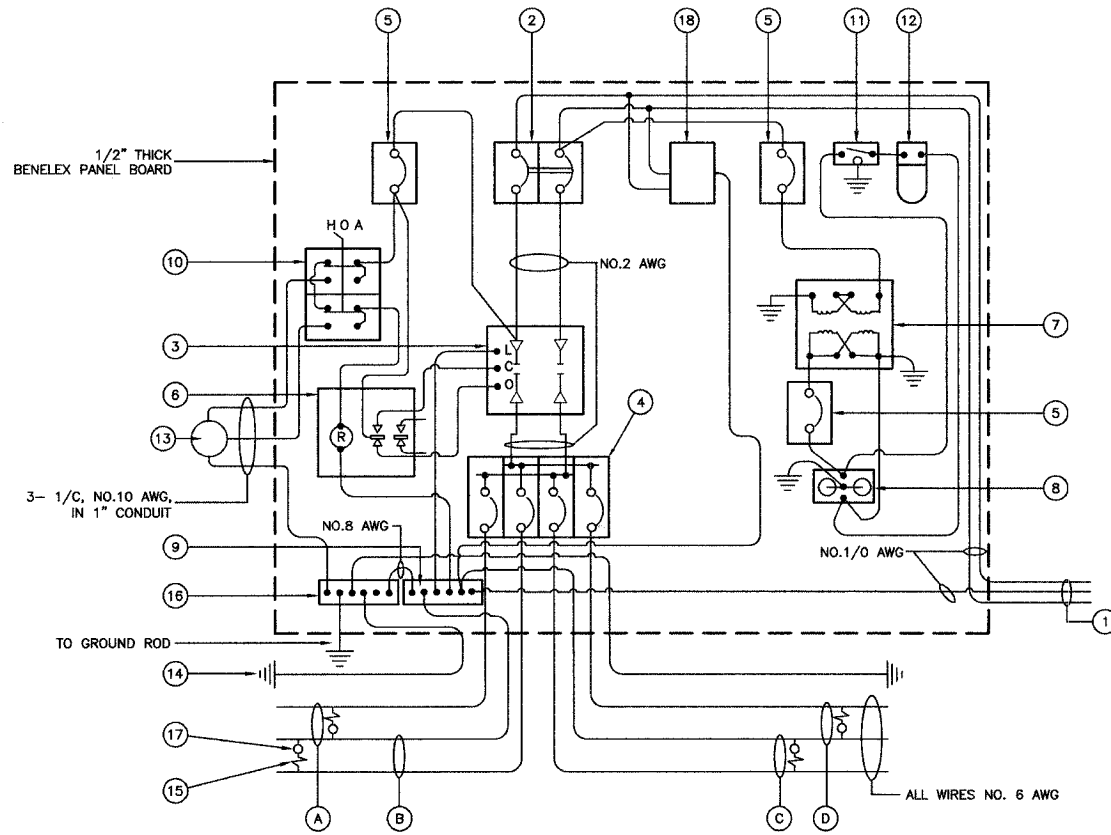
FOUNDATION EXTENSION DETAIL

****NOTE:**
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

ILLINOIS DEPARTMENT OF TRANSPORTATION
71ST STREET STREET LIGHTING LIGHTING DETAILS

REVISIONS	
NAME	DATE

SCALE: VERT. NA
HORIZ. NA
DATE 02/23/07
DRAWN BY PS
CHECKED BY PB



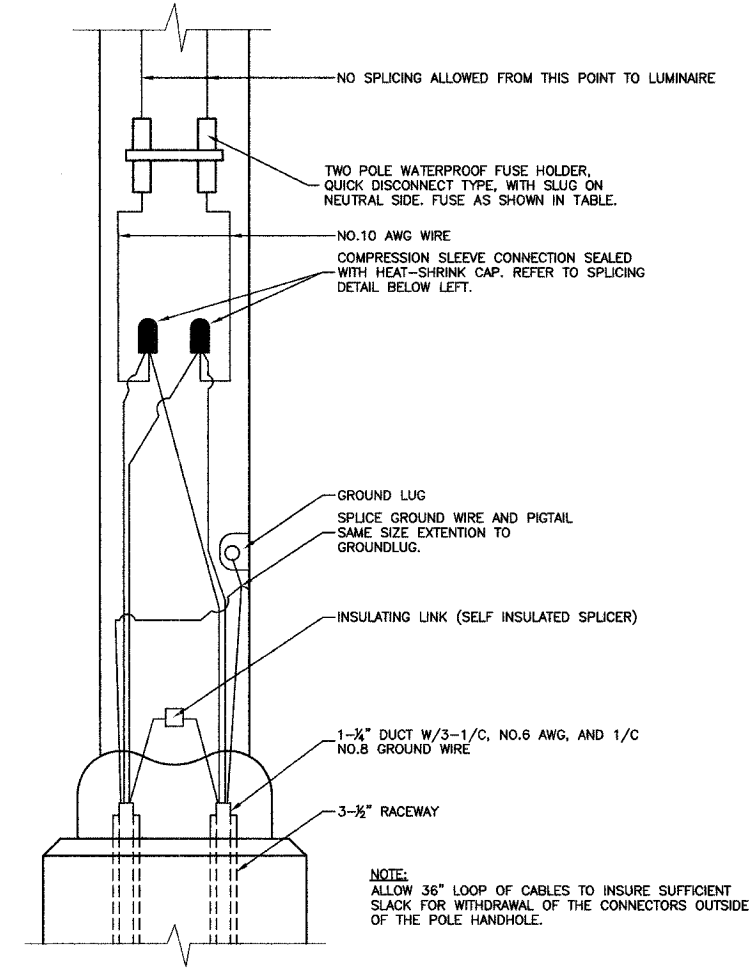
CONTROLLER WIRING DIAGRAM
(CONTROLLER #1, #2 AND #3)

CONTROLLER WIRING DIAGRAM LEGEND

- ① 3-1/2" DIA. GALVANIZED STEEL CONDUIT FOR 240/480 VOLT, 1Ø, 3 WIRE, 60HZ. SERVICE.
- ② (1) 60 AMP MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000 AMP AT 480 V.
- ③ (1) 60 AMP REMOTE CONTROL CONTACTOR SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, MINIMUM 60 AMP, 600 VOLT.
- ④ (4) 30 AMP CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP RATING NEMA - 14000 AMP AT 240 VOLTS.
- ⑤ (3) 20 AMP CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 VOLT, 100 AMP BASE, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA 14000 AMP AT 240 V.
- ⑥ (1) 20 AMP, 1 POLE DOUBLE THROW, 240 VOLT RELAY
- ⑦ (1) 1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240x480/120x240 VOLT, 60 HZ.
- ⑧ (1) 20 AMP, 120 VOLT DUPLEX GFCI RECEPTACLE.
- ⑨ NEUTRAL BUS BAR, 1/4"x1"X12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑩ 3 POSITION SELECTOR SWITCH
- ⑪ SWITCH FOR LIGHTING FIXTURE MOUNTED IN BOX.
- ⑫ WEATHER-PROOF INCANDESCENT LIGHTING FIXTURE WITH 60 WATT, 120 V LAMP.
- ⑬ PHOTOCCELL MOUNTED TO BOTTOM OF VENTED CONTROL CABINET OVERHANG
- ⑭ NO.8 AWG INSULATED GROUND WIRE
- ⑮ IN-LINE FUSEHOLDER WITH FUSE AS NOTED IN FUSE TABLE
- ⑯ GROUND BUS BAR 1/4"x1"X12" LONG MOUNTED ON PANEL WITH TAPS.
- ⑰ LUMINAIRE, 250 HPS
- ⑱ SURGE SUPPRESSOR
- A PROPOSED CIRCUIT
- C PROPOSED CIRCUIT
- D PROPOSED CIRCUIT
- E PROPOSED CIRCUIT

NOMINAL WATTAGE	FUSE SIZE
250	3.5 AMP
310	5.0 AMP

LUMINAIRE FUSE SIZE TABLE



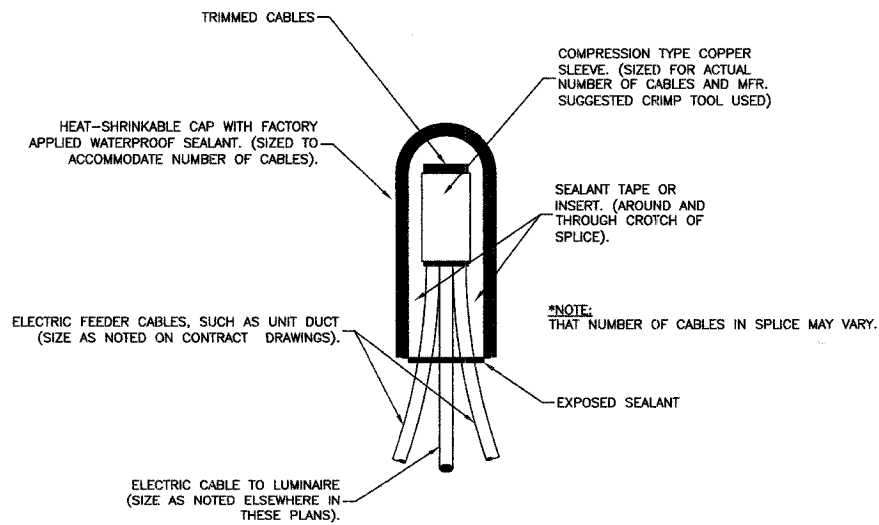
POLE HANDHOLE WIRING DIAGRAM
(TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)

GENERAL NOTES FOR CONTROL CABINET

- ENTIRE CONTROL CABINET SHALL BE GROUNDED.
- ALL WIRING SHALL BE TAGGED WITH SELF-STICKING WIRE MARKERS.
- GROUND BUS TO BE COLOR CODED GREEN, NEUTRAL BUS WHITE, AND BONDED TO CABINET. ENCLOSURE, BY LISTED PRESSURE CONNECTORS OR LISTED CLAMPS.
- ALL INTERNAL CONTROLLER WIRING TO BE NO.12 AWG UNLESS OTHERWISE SPECIFIED.
- CABINET WIRING INSULATION TO BE TYPE XHHW OR APPROVED EQUAL.

LIGHTING GENERAL NOTES

- ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
- FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL C.E. Co.
- SIZE ALL CONDUIT AS SPECIFIED ON DRAWINGS.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (I.E. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.



SPlicing ELECTRIC CABLES
BASIC MATERIALS AND METHODS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

71ST STREET
STREET LIGHTING
LIGHTING DETAILS

SCALE: VERT. NA
HORIZ. NA
DATE 02/23/07

DRAWN BY PS
CHECKED BY PB

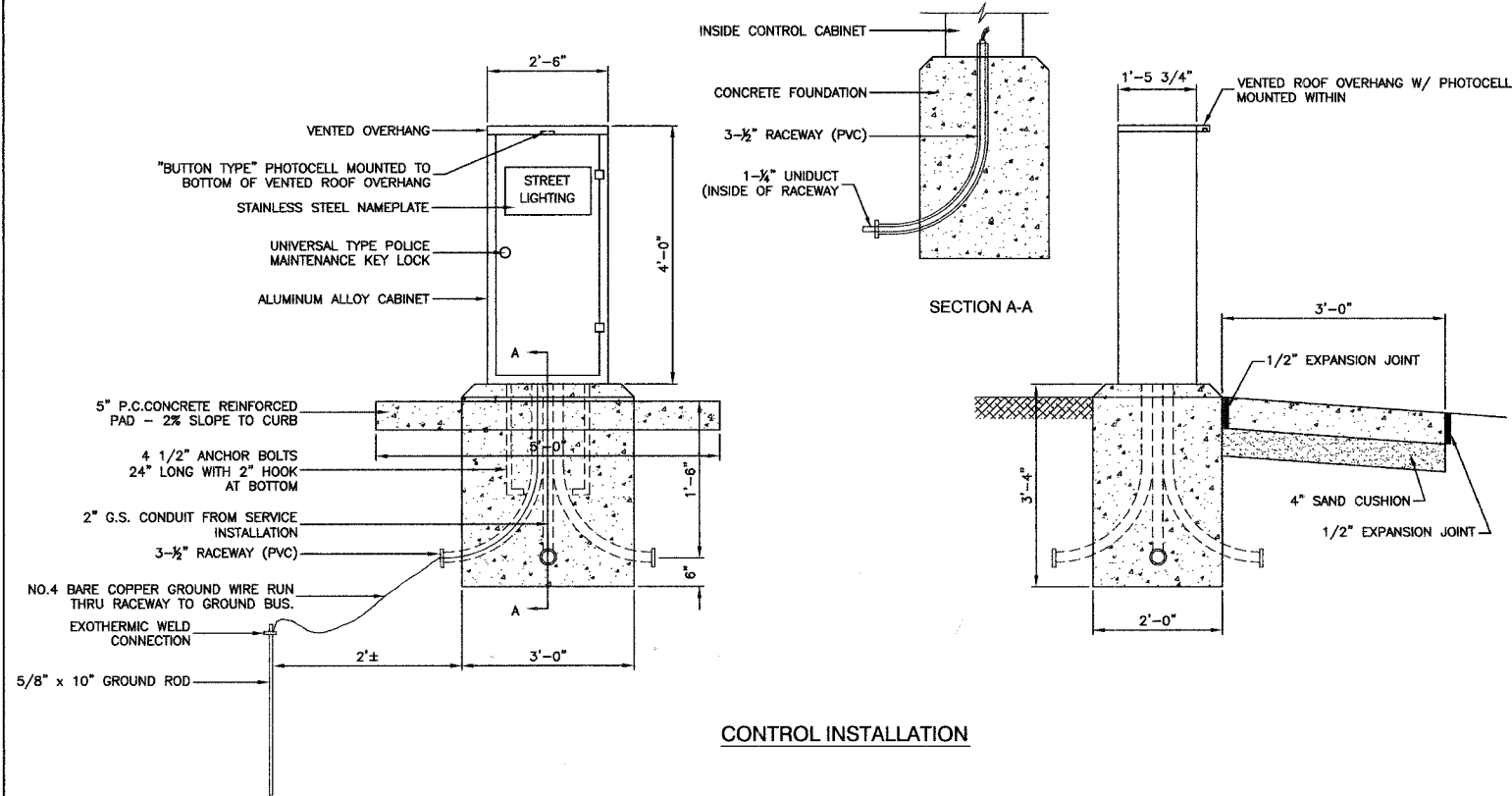
ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473
(708) 331-8700 FAX (708) 331-9225
ILLINOIS DESIGN FIRM REGISTRATION NO. 19400103

06184-LIGHT-02

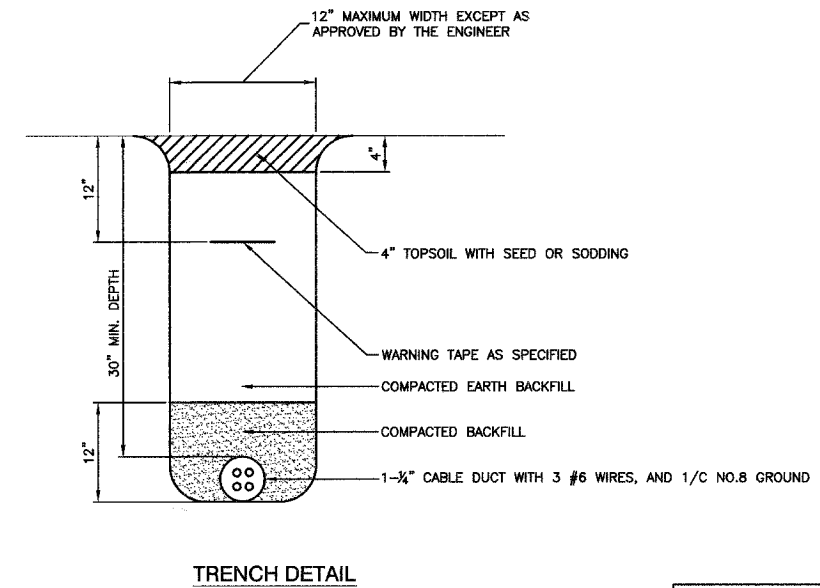
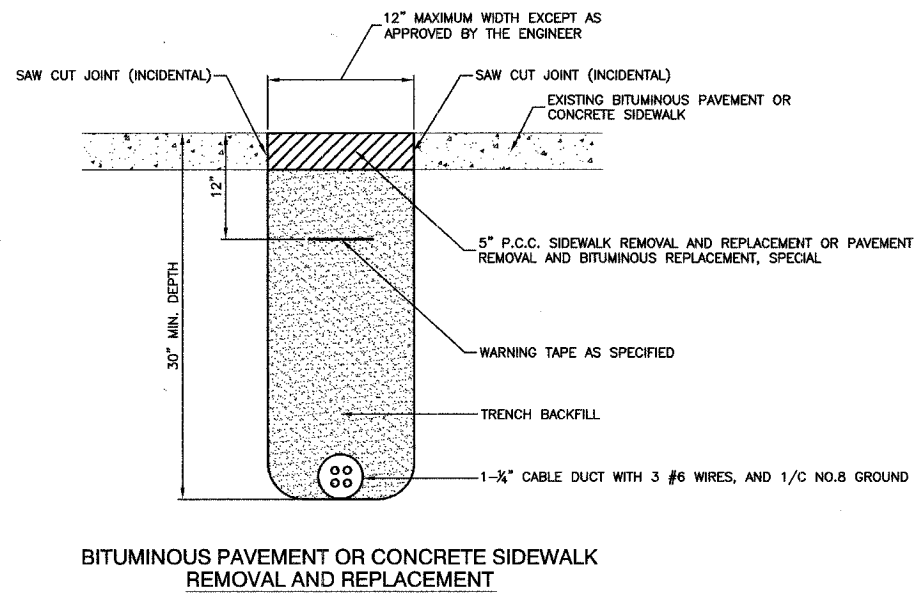
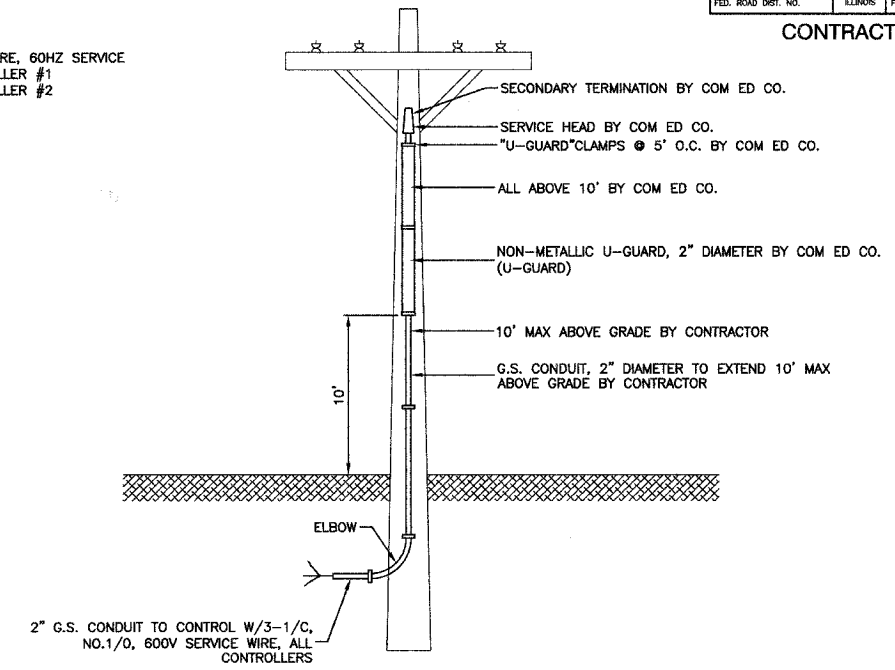
SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12

F.A.R. NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00053-00-LT	COOK	009	009
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #83900



240/480 VOLT, 1Ø, 3 WIRE, 60HZ SERVICE
9.16 KVA LOAD, CONTROLLER #1
4.00 KVA LOAD, CONTROLLER #2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

71ST STREET
STREET LIGHTING
LIGHTING DETAILS

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1008 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473
TEL: (708) 351-8700 FAX: (708) 351-8828
ILLINOIS DESIGN FIRM REGISTRATION NO. 154801128 06184-LGHT-02