

62806

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

D-91-419-01

INDEX OF SHEETS

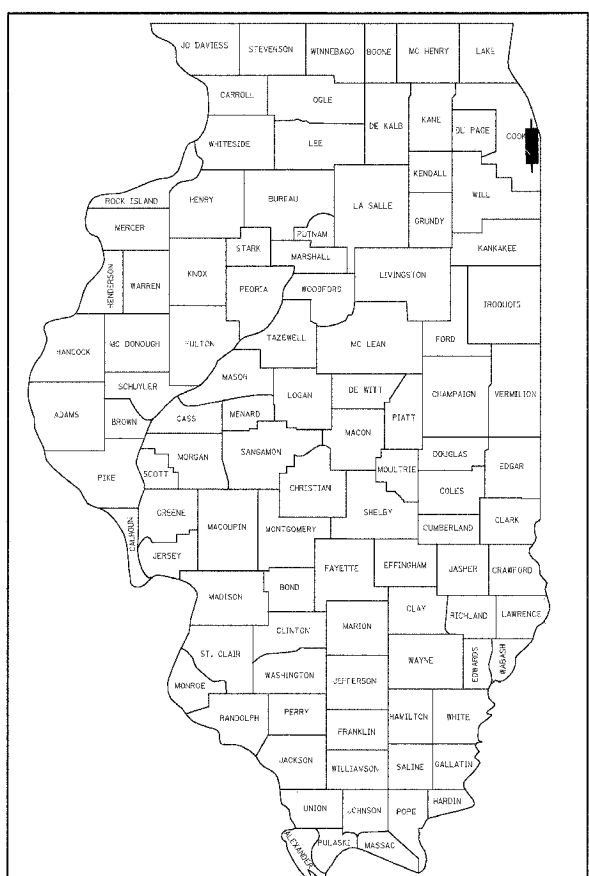
SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES AND PROJECT COMMITMENTS
3-7	SUGGESTED CONSTRUCTION SCHEDULE
8	SUMMARY OF QUANTITIES
9-19	ALIGNMENT PLANS, SURVEY TIES AND CONTROL POINTS
20-25	STREET LIGHTING UNDERGROUND CONDUIT FACILITIES
26-28	REMOVAL OF STREET LIGHTING EQUIPMENT
29-34	BOE STANDARD DETAILS
35	TEMPORARY INFORMATION SIGNING

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTION 2004-067L
~~PROJECT IM-094-3(306)057~~
59th ST TO 47th ST (FRONTAGE ROADS)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET
COOK COUNTY
C-91-29104

IDOT HIGHWAY STANDARDS

STANDARD	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES



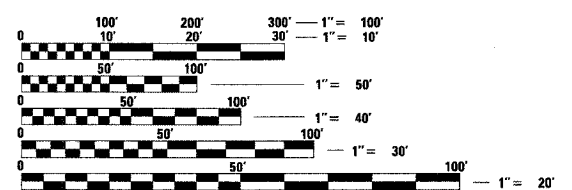
LOCATION OF SECTION INDICATED THUS: - [Symbol] -

PROJECT LOCATED IN CITY OF CHICAGO

DESIGN DESIGNATION

WELLS ST: 8275 (20) URBAN COLLECTOR

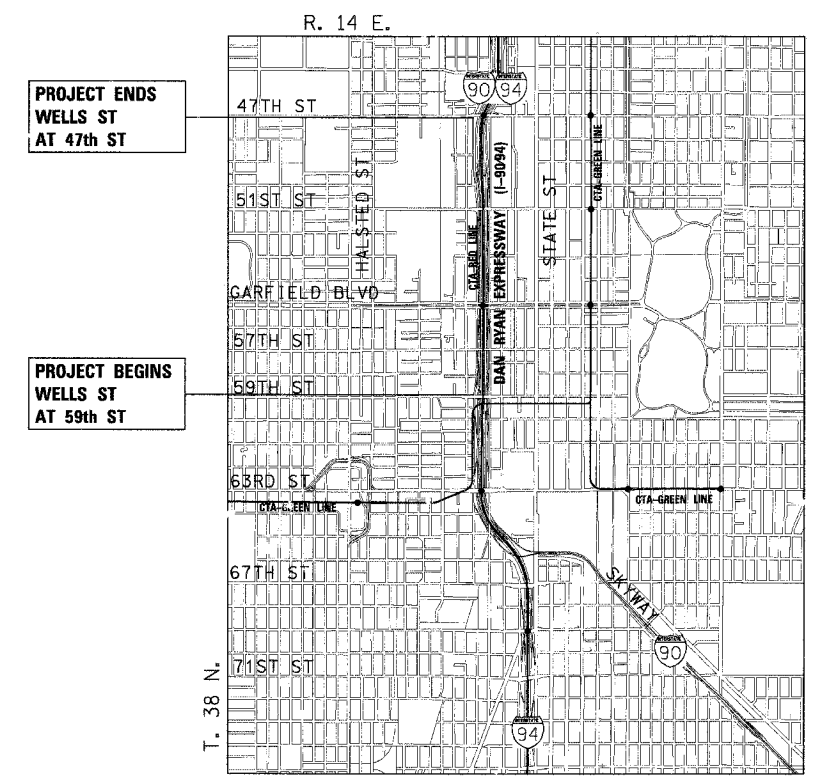
FRONTAGE ROADS:	ADT (2020)	DESIGN SPEED	POSTED SPEED
WELLS ST	15,000	30	25



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.

DIGGER:
CHICAGO UTILITY ALERT NETWORK
(312) 744-7000

CONTRACT NO. 62806



LOCATION MAP

0 1/2 MILE 1 MILE 1" = 1/2 MILE
GROSS LENGTH OF PROJECT = 7920 FT (1.500 MILES)
NET LENGTH OF PROJECT = 7920 FT (1.500 MILES)



John A. Lukowski
1-19
SHEET NOS. 11-30-05
EXPIRES 2-2-05
DATE



James P. Coleman
20-28
SHEET NOS. 11-30-2005
EXPIRES 2-2-2005
DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 9, 20 05
Dina S'Khal/AP
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

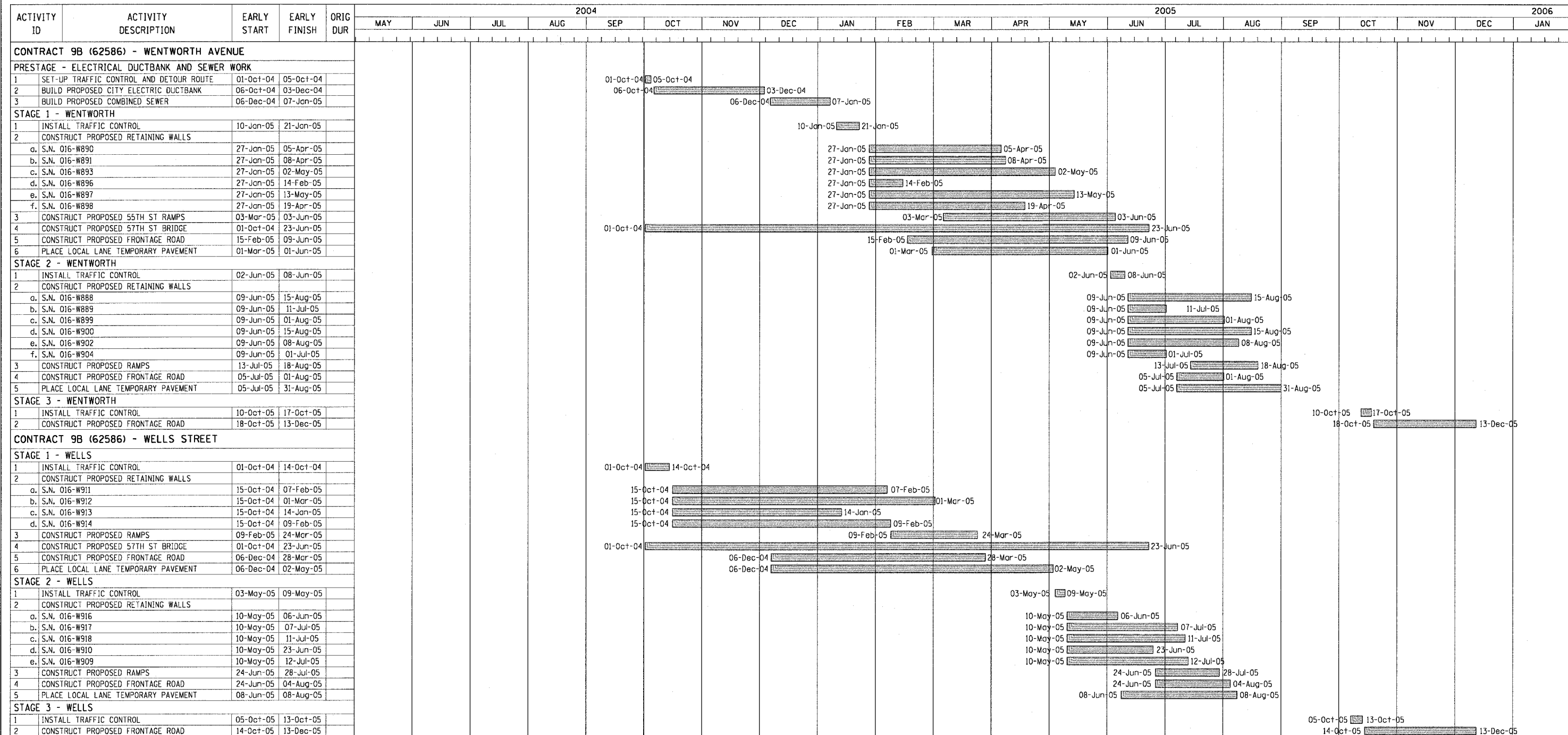
March 25, 20 05
Mike Nene RD
ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 20 05
Victor Maden RD
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5212, PHONE: (312) 938-0300

DISTRICT ONE DESIGN/CONSULTANT SERVICES PROJECT MANAGER
RAJENDRA SHAH (847) 705-4437



NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.

LEGEND:

WORK PERFORMED IN CONTRACTS BY OTHERS

WORK PERFORMED AS PART OF THIS CONTRACT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

SUGGESTED CONSTRUCTION SCHEDULE



SCALE: NONE
 DATE: February 11, 2005
 DRAWN BY: AMM
 CHECKED BY: JAL

I:\tech\m7\p40458\p40466\elec\N4\cfr\96\contract\962\cs05b\2001\ca.rtf 02/02/2005 09:01:41 AM

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	2004												2005												2006
					JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN					
CONTRACT 9B11 (62805) - SEWER TELEVISION																													
WENTWORTH AVENUE																													
1	TELEWISE EXISTING SEWER	06-Oct-04	19-Oct-04						06-Oct-04																				
2	TELEWISE EXISTING AND NEW SEWER	24-Nov-05	07-Dec-05																										
WELLS STREET																													
1	TELEWISE EXISTING SEWER	15-Oct-04	28-Oct-04						15-Oct-04																				
2	TELEWISE EXISTING AND NEW SEWER	24-Nov-05	07-Dec-05																										
CONTRACT 9B12 (62806) - WELLS STREET CHICAGO LIGHTING																													
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT NEW LIGHTING FOUNDATIONS	25-Oct-05	14-Nov-05																										
CONTRACT 9B13 (62807) - WENTWORTH AVENUE CHICAGO LIGHTING																													
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT NEW LIGHTING FOUNDATIONS	28-Oct-05	17-Nov-05																										
CONTRACT 9B14 (62808) - PAVE WELLS STREET AT 53RD TO 51ST																													
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	08-Jul-05	06-Sep-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	05-Oct-05	24-Nov-05																										
CONTRACT 9B15 (62809) - PAVE WENTWORTH AVENUE AT 53RD TO 51ST																													
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	16-Aug-05	11-Oct-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	12-Oct-05	29-Nov-05																										
CONTRACT 9B16 (62810) - PAVE WELLS STREET AT 50TH TO 47TH																													
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	12-Jul-05	18-Aug-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	05-Oct-05	23-Nov-05																										
CONTRACT 9B17 (62811) - PAVE WENTWORTH AVENUE AT 48TH TO 50TH																													
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	09-Aug-05	14-Sep-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	10-Oct-05	05-Dec-05																										
CONTRACT 9B18 (62812) - PAVE WENTWORTH AVE/WELLS ST AT 51ST																													
STAGE 2 - PAVE INSIDE FRONTAGE WENTWORTH																													
1	CONSTRUCT FRONTAGE ROAD	09-Aug-05	29-Sep-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE WENTWORTH																													
1	CONSTRUCT FRONTAGE ROAD	10-Oct-05	13-Dec-05																										
STAGE 2 - PAVE INSIDE FRONTAGE WELLS																													
1	CONSTRUCT FRONTAGE ROAD	12-Jul-05	13-Dec-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE WELLS																													
1	CONSTRUCT FRONTAGE ROAD	14-Oct-05	29-Nov-05																										
CONTRACT 9B19 (62813) - PAVE WELLS STREET AT 57TH TO 59TH																													
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	13-Jul-05	24-Aug-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	05-Oct-05	25-Nov-05																										
CONTRACT 9B20 (62814) - PAVE WENTWORTH AVENUE AT 57TH TO 59TH																													
STAGE 1A - WALLS AND 55TH ST RAMPS AT 57TH TO 53RD																													
1	CONSTRUCT FRONTAGE ROAD	06-Apr-05	05-May-05																										
STAGE 2 - PAVE INSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	16-Aug-05	03-Oct-05																										
STAGE 3 - PAVE OUTSIDE FRONTAGE																													
1	CONSTRUCT FRONTAGE ROAD	10-Oct-05	05-Dec-05																										

NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.

LEGEND:

-  WORK PERFORMED IN CONTRACTS BY OTHERS
-  WORK PERFORMED AS PART OF THIS CONTRACT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

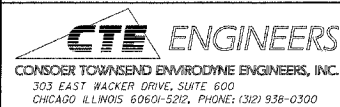
SUGGESTED CONSTRUCTION SCHEDULE

SCALE: NONE
DATE: February 11, 2005
DRAWN BY: AMM
CHECKED BY: JAL

V:\tech\117\040465\p40465\elect\4-entr\9a\117\contract\9b12\cs09\2003\3a.dwg 09/01/02 AM

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	2005												2006		
					MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
CONTRACT 9C (62693) - WENTWORTH AVENUE																			
PRE-STAGE - SEWER RELOCATION																			
1	INSTALL TRAFFIC CONTROL	02-May-05	06-May-05																
2	SEWER RELOCATION (STA. 112+88 TO STA. 126+58)	06-May-05	03-Jun-05																
STAGE 1 - RETAINING WALLS & PAVE INSIDE FRONTAGE																			
1	INSTALL TRAFFIC CONTROL	01-Jun-05	06-Jun-05																
2	CONSTRUCT PROPOSED RETAINING WALLS																		
a.	S.N. 016-W882	06-Jun-05	05-Aug-05																
b.	S.N. 016-W886	06-Jun-05	09-Sep-05																
c.	S.N. 016-W901	06-Jun-05	19-Aug-05																
d.	S.N. 016-W887/W965	06-Jun-05	02-Sep-05																
e.	S.N. 016-WWRR	06-Jun-05	19-Aug-05																
3	COMED RELOCATION (60TH STREET)	18-Jul-05	05-Aug-05																
4	SEWER RELOCATION (STA. 126+58 TO STA. 131+12)	06-Jun-05	22-Jun-05																
5	CONSTRUCT PROPOSED FRONTAGE ROAD	03-Aug-05	10-Oct-05																
6	CONSTRUCT 14" TEMPORARY PAVEMENT & CONCRETE RAMPS	05-Aug-05	14-Oct-05																
STAGE 2 - PAVE OUTSIDE FRONTAGE																			
1	INSTALL TRAFFIC CONTROL	17-Oct-05	24-Oct-05																
2	CONSTRUCT PROPOSED FRONTAGE ROAD	24-Oct-05	23-Nov-05																
CONTRACT 9C (62693) - WELLS STREET																			
STAGE 1 - RETAINING WALLS & PAVE INSIDE FRONTAGE																			
1	INSTALL TRAFFIC CONTROL	02-May-05	09-May-05																
2	CONSTRUCT PROPOSED RETAINING WALLS																		
a.	S.N. 016-W894/964	09-May-05	22-Jul-05																
b.	S.N. 016-W903/W906	09-May-05	05-Aug-05																
c.	S.N. 016-W907	09-May-05	05-Aug-05																
4	CONSTRUCT PROPOSED FRONTAGE ROAD	20-Jun-05	23-Sep-05																
5	CONSTRUCT 14" TEMPORARY PAVEMENT & CONCRETE RAMPS	20-Jun-05	23-Aug-05																
STAGE 2 - PAVE OUTSIDE FRONTAGE																			
1	INSTALL TRAFFIC CONTROL	23-Sep-05	29-Sep-05																
2	CONSTRUCT PROPOSED FRONTAGE ROAD	30-Sep-05	11-Nov-05																
CONTRACT 9C1 (62835) - SIDEWALKS & DRIVEWAYS																			
WENTWORTH AVENUE																			
1	CONSTRUCT PROPOSED SIDEWALKS & DRIVEWAYS	14-Nov-05	16-Dec-05																
WELLS STREET																			
1	CONSTRUCT PROPOSED SIDEWALKS & DRIVEWAYS	31-Oct-05	02-Dec-05																
CONTRACT 9C4 (62836) - FRONTAGE ROAD SIGNING																			
WENTWORTH AVENUE																			
1	REMOVE EXISTING SIGNING	01-Jun-05	10-Jun-05																
2	INSTALL NEW SIGNAGE / REINSTALL SIGNAGE	28-Nov-05	09-Dec-05																
WELLS STREET																			
1	REMOVE EXISTING SIGNING	02-May-05	13-May-05																
2	INSTALL NEW SIGNAGE / REINSTALL SIGNAGE	14-Nov-05	23-Nov-05																
CONTRACT 9C5 (62837) - FRONTAGE ROAD PAVEMENT MARKING																			
STAGE 2 - WENTWORTH AVENUE																			
1	INSTALL PERMANENT PAVEMENT MARKINGS	28-Nov-05	09-Dec-05																
STAGE 2 - WELLS STREET																			
1	INSTALL PERMANENT PAVEMENT MARKINGS	14-Nov-05	23-Nov-05																
CONTRACT 9C6 (62838) - TREE REMOVAL																			
WENTWORTH AVENUE																			
1	REMOVE EMBANKMENT TREES	02-May-05	13-May-05																
WELLS STREET																			
1	REMOVE EMBANKMENT TREES	25-Apr-05	06-May-05																
CONTRACT 9C7 (62839) - 59TH STREET TRAFFIC SIGNALS																			
59TH STREET & WENTWORTH AVENUE																			
1	INSTALL AND MAINTAIN TEMPORARY TRAFFIC SIGNALS, REMOVE EXISTING AND INSTALL NEW LIGHTING AND TRAFFIC SIGNALS	02-May-05	23-Nov-05																
59TH STREET & WELLS STREET																			
1	INSTALL AND MAINTAIN TEMPORARY TRAFFIC SIGNALS, REMOVE EXISTING AND INSTALL NEW LIGHTING AND TRAFFIC SIGNALS	02-May-05	11-Nov-05																

NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.



LEGEND:
 WORK PERFORMED IN CONTRACTS BY OTHERS
 WORK PERFORMED AS PART OF THIS CONTRACT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET
 SUGGESTED CONSTRUCTION SCHEDULE

SCALE: NONE
 DATE: February 11, 2005
 DRAWN BY: AMM
 CHECKED BY: RMG

I:\citech\m7\p04063\p40463\elect\4-citr\9-sh\contract\5b1\cas09b\2004\cas09b

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94 2004-067L	COOK	35	10
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
62806			

CURVE LAFAYO1
P.I. STA= 6014+47.81
N= 1,860,720.67
E= 1,176,979.33
Δ= 22° 19' 50"
D= 11° 09' 07"
R= 513.76'
T= 101.40'
L= 200.23'
E= 9.91'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6013+46.41
N= 1,860,619.35
E= 1,176,983.37
P.T. STA= 6015+46.64
N= 1,860,812.86
E= 1,176,937.10

CURVE LAFAYO2
P.I. STA= 6020+11.56
N= 1,861,233.77
E= 1,176,739.65
Δ= 66° 24' 16"
D= 50° 15' 34"
R= 114.00'
T= 74.60'
L= 132.12'
E= 22.24'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6019+36.96
N= 1,861,166.23
E= 1,176,771.34
P.T. STA= 6020+69.08
N= 1,861,231.77
E= 1,176,665.07

CURVE COLLNB04
P.I. STA= 41+08.35
N= 1,860,967.08
E= 1,177,322.03
Δ= 29° 07' 47"
D= 3° 19' 24"
R= 1,724.00'
T= 447.94'
L= 876.49'
E= 57.24'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 36+60.41
N= 1,860,519.16
E= 1,177,326.14
P.T. STA= 45+36.91
N= 1,861,356.34
E= 1,177,100.39

CURVE COLLNB03
P.I. STA= 81+04.03
N= 1,860,475.04
E= 1,177,091.89
Δ= 8° 56' 14"
D= 3° 14' 39"
R= 1,766.00'
T= 138.01'
L= 275.46'
E= 5.38'
e= 5.63%
T.R.= N/A
S.E. RUN= 200.00'
P.C. STA= 79+66.02
N= 1,860,337.20
E= 1,177,098.81
P.T. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64

CURVE COLLNB04
P.I. STA= 83+22.94
N= 1,860,689.19
E= 1,177,044.03
Δ= 4° 35' 34"
D= 2° 49' 15"
R= 2,031.00'
T= 81.44'
L= 162.81'
E= 1.63'
e= 5.5%
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64
P.T. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16

CURVE COLLNB05
P.I. STA= 86+99.51
N= 1,861,046.34
E= 1,176,924.37
Δ= 20° 54' 28"
D= 3° 34' 51"
R= 1,600.00'
T= 295.21'
L= 583.86'
E= 27.00'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16
P.T. STA= 89+88.16
N= 1,861,274.37
E= 1,176,736.87

CURVE NBLOC01
P.I. STA= 4398+91.75
N= 1,861,273.69
E= 1,177,295.21
Δ= 47° 52' 53"
D= 3° 22' 13"
R= 1700.00'
T= 754.78'
L= 1420.67'
E= 160.03'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 4391+36.97
N= 1,860,518.94
E= 1,177,302.15
P.T. STA= 4405+57.64
N= 1,861,774.74
E= 1,176,730.72

CURVE NBDRO3
P.I. STA= 2398+13.58
N= 1,861,170.38
E= 1,177,231.19
Δ= 44° 36' 17"
D= 2° 44' 29"
R= 2090.00'
T= 857.27'
L= 1627.06'
E= 168.99'
e= 5.5%
T.R.= 41' (41')
S.E. RUN= 196' (274.66')
P.C. STA= 2389+56.30
N= 1,860,313.48
E= 1,177,256.19
P.T. STA= 2405+83.37
N= 1,861,762.92
E= 1,176,611.65

CURVE WBSKYLO1
P.I. STA= 6057+27.06
N= 1,861,427.27
E= 1,177,209.11
Δ= 41° 36' 43"
D= 6° 17' 09"
R= 911.50'
T= 346.35'
L= 661.99'
E= 63.59'
e= 6.0%
T.R.= N/A
S.E. RUN= 129' (129')
P.C. STA= 6053+80.71
N= 1,861,427.39
E= 1,177,555.47
P.T. STA= 6060+42.70
N= 1,861,657.19
E= 1,176,950.08

CURVE WBSKYEO1
P.I. STA= 6008+35.30
N= 1,861,387.41
E= 1,177,101.77
Δ= 45° 36' 29"
D= 6° 45' 24"
R= 848.00'
T= 356.54'
L= 675.02'
E= 71.90'
e= 6.0%
T.R.= N/A
S.E. RUN= 96' (179.23')
P.C. STA= 6004+78.77
N= 1,861,399.41
E= 1,177,458.10
P.T. STA= 6011+53.78
N= 1,861,633.64
E= 1,176,843.91

CURVE WBSKYEO2
P.I. STA= 6014+82.48
N= 1,861,860.65
E= 1,176,606.19
Δ= 2° 30' 00"
D= 1° 40' 45"
R= 3412.00'
T= 74.45'
L= 148.88'
E= 0.81'
e= 3.1%
T.R.= N/A
S.E. RUN= 138.58' (80.76')
P.C. STA= 6014+08.03
N= 1,861,809.23
E= 1,176,660.04
P.T. STA= 6015+56.91
N= 1,861,909.67
E= 1,176,550.16

CURVE SBLOC02
P.I. STA= 3397+27.84
N= 1,861,071.17
E= 1,176,941.37
Δ= 21° 50' 32"
D= 3° 31' 41"
R= 1624.00'
T= 313.36'
L= 619.10'
E= 29.96'
e= 6.0%
T.R.= 41'
S.E. RUN= 213'
P.C. STA= 3394+14.48
N= 1,860,774.05
E= 1,177,040.92
P.T. STA= 3400+33.58
N= 1,861,309.93
E= 1,176,738.43

CURVE EBSKYO2
P.I. STA= 5012+90.76
N= 1,861,334.19
E= 1,176,769.43
Δ= 49° 53' 13"
D= 4° 57' 54"
R= 1154.00'
T= 536.73'
L= 1004.78'
E= 118.71'
e= 5.6%
T.R.= 48' (96')
S.E. RUN= 135' (135')
P.C. STA= 5007+54.03
N= 1,861,732.80
E= 1,176,409.99
P.T. STA= 5017+58.81
N= 1,861,352.26
E= 1,177,305.85

CURVE SBDRO4
P.I. STA= 1397+75.78
N= 1,861,149.16
E= 1,177,163.97
Δ= 44° 32' 59"
D= 2° 47' 42"
R= 2050.00'
T= 839.71'
L= 1593.95'
E= 165.31'
e= 5.5%
T.R.= 96'
S.E. RUN= 226' (244.83')
P.C. STA= 1389+36.07
N= 1,860,309.83
E= 1,177,189.29
P.T. STA= 1405+30.02
N= 1,861,729.54
E= 1,176,557.11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

ALIGNMENT PLAN

SCALE: 1"=100'
DATE: February 11, 2005
DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

- NOTES:**
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.



F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94 2004-067L	COOK	35	11
STA. TO STA.		ILLINOIS FED. AID PROJECT	
62806			

CURVE EKWELLO1
P.I. STA= 9+04.39
N= 1,861,874.35
E= 1,176,076.45
Δ= 10° 52' 16"
D= 5° 40' 05"
R= 1,010.83'
T= 96.18'
L= 191.79'
E= 4.56'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 8+08.21
N= 1,861,778.19
E= 1,176,078.94
P.T. STA= 10+00.00
N= 1,861,968.30
E= 1,176,055.87

CURVE EKWELLO3
P.I. STA= 12+18.75
N= 1,862,163.15
E= 1,175,963.41
Δ= 2° 58' 46"
D= 2° 15' 54"
R= 2,529.60'
T= 65.78'
L= 131.54'
E= 0.85'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 11+52.96
N= 1,862,109.97
E= 1,176,002.13
P.T. STA= 12+84.51
N= 1,862,218.28
E= 1,175,927.50

CURVE EKWELLO5
P.I. STA= 19+10.50
N= 1,862,770.39
E= 1,175,632.97
Δ= 12° 45' 31"
D= 6° 11' 38"
R= 925.00'
T= 103.41'
L= 205.97'
E= 5.76'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 18+07.09
N= 1,862,678.46
E= 1,175,680.34
P.T. STA= 20+13.07
N= 1,862,870.51
E= 1,175,607.06

SPIRAL NBDRO1B
P.I. STA= 2410+35.55
N= 1,862,075.46
E= 1,176,284.87
Δ= 6° 30' 41"
LS= 348.44'
YS= 13.19'
XS= 347.99'
P= 3.30'
K= 174.15'
LT= 232.45'
ST= 116.29'
LC= 348.24'
T.S. STA= 2408+03.10
N= 1,861,914.79
E= 1,176,452.86
S.C. STA= 2411+51.54
N= 1,862,164.85
E= 1,176,210.49

CURVE EKWELLO2
P.I. STA= 10+99.36
N= 1,862,065.35
E= 1,176,034.61
Δ= 23° 41' 58"
D= 21° 47' 07"
R= 263.00'
T= 55.18'
L= 108.78'
E= 4.56'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 10+44.17
N= 1,862,011.45
E= 1,176,002.13
P.T. STA= 11+52.96
N= 1,862,109.97
E= 1,176,002.13

CURVE EKWELLO4
P.I. STA= 13+72.28
N= 1,862,291.83
E= 1,175,879.60
Δ= 5° 48' 38"
D= 3° 18' 45"
R= 1,729.58'
T= 87.77'
L= 175.40'
E= 2.22'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 12+84.51
N= 1,862,218.28
E= 1,175,927.50
P.T. STA= 14+59.61
N= 1,862,369.86
E= 1,175,839.39

CURVE EKWELLO6
P.I. STA= 21+01.89
N= 1,862,957.45
E= 1,175,589.82
Δ= 5° 16' 59"
D= 6° 48' 23"
R= 841.78'
T= 38.83'
L= 77.62'
E= 0.89'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 20+63.05
N= 1,862,918.90
E= 1,175,594.54
P.T. STA= 21+40.67
N= 1,862,996.27
E= 1,175,588.66

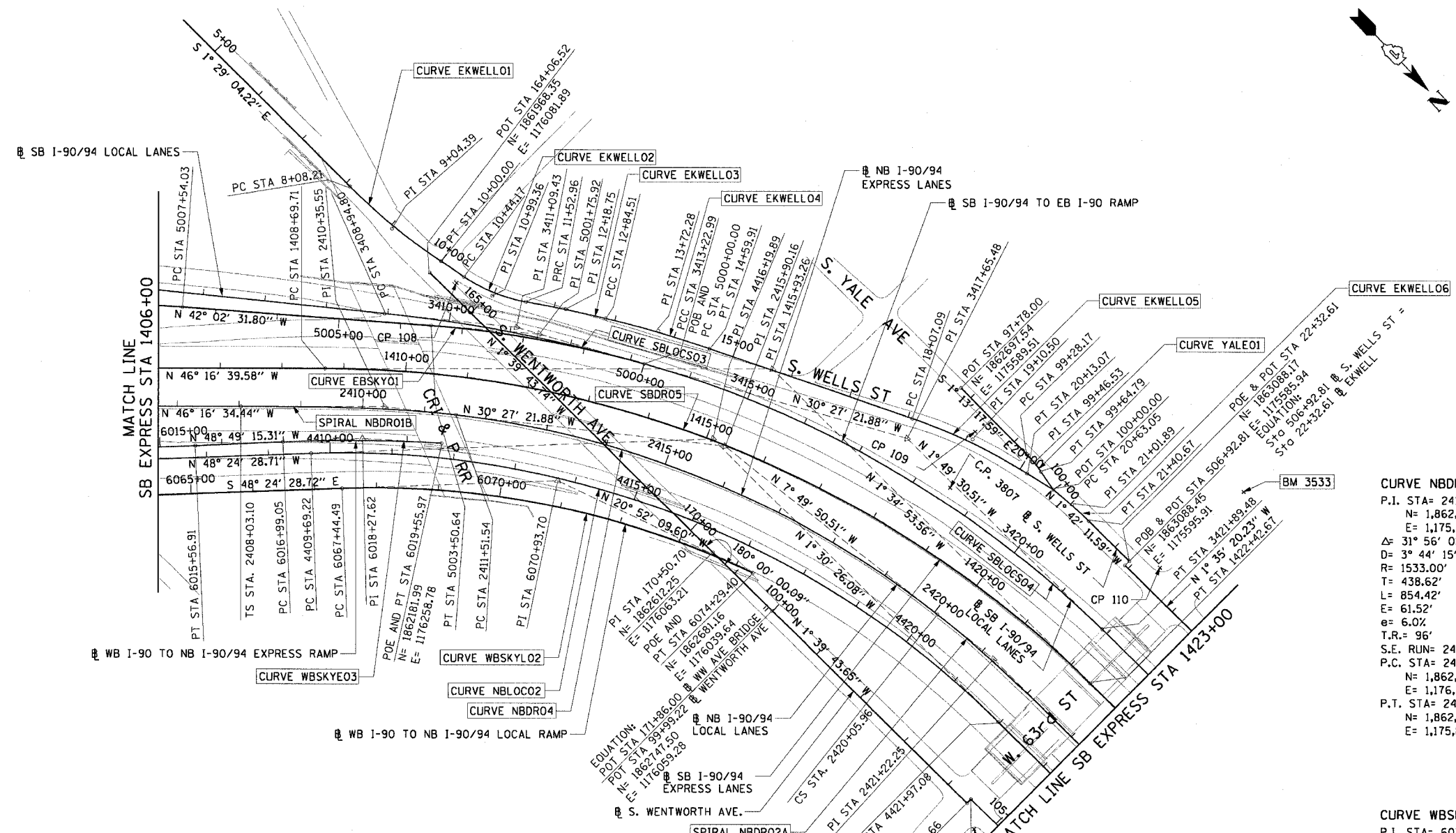
CURVE EBSKY01
P.I. STA= 5001+75.92
N= 1,862,163.03
E= 1,176,022.04
Δ= 11° 35' 10"
D= 3° 18' 15"
R= 1734.00'
T= 175.92'
L= 350.64'
E= 8.90'
e= 5.6%
T.R.= 41' (96')
S.E. RUN= 135'
P.C. STA= 5000+00.00
N= 1,862,314.67
E= 1,175,932.87
P.T. STA= 5003+50.64
N= 1,862,032.38
E= 1,176,139.85

CURVE SBLOCS03
P.I. STA= 3411+09.53
N= 1,862,129.66
E= 1,176,041.66
Δ= 9° 54' 30"
D= 2° 18' 51"
R= 1760.00'
T= 214.63'
L= 428.19'
E= 9.29'
e= 5.0%
T.R.= 41'
S.E. RUN= 205'
P.C. STA= 3408+94.80
N= 1,861,966.12
E= 1,176,180.66
P.T. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87

CURVE SBDR05
P.I. STA= 1415+93.26
N= 1,862,464.42
E= 1,175,788.71
Δ= 44° 41' 46"
D= 3° 15' 20"
R= 1734.00'
T= 442.49'
L= 866.49'
E= 55.57'
e= 5.9%
T.R.= (41')
S.E. RUN= 262.17' (242')
P.C. STA= 1408+69.71
N= 1,861,964.32
E= 1,176,311.62
P.T. STA= 1422+42.67
N= 1,863,187.69
E= 1,175,768.74

CURVE SBLOCS04
P.I. STA= 3417+65.48
N= 1,862,696.11
E= 1,175,708.58
Δ= 28° 37' 52"
D= 3° 18' 15"
R= 1734.00'
T= 442.49'
L= 866.49'
E= 55.57'
e= 5.9%
T.R.= (41')
S.E. RUN= (242')
P.C. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87
P.T. STA= 3421+89.48
N= 1,863,138.37
E= 1,175,694.49

CURVE WBSKYE03
P.I. STA= 6018+27.62
N= 1,862,087.91
E= 1,176,346.40
Δ= 5° 51' 27"
D= 2° 16' 48"
R= 2513.00'
T= 128.57'
L= 256.91'
E= 3.29'
e= 6.0%
T.R.= N/A
S.E. RUN= 156.14' (145')
P.C. STA= 6016+99.05
N= 1,862,003.26
E= 1,176,443.17
P.T. STA= 6019+55.97
N= 1,862,181.99
E= 1,176,258.78



- NOTES:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET
ALIGNMENT PLAN

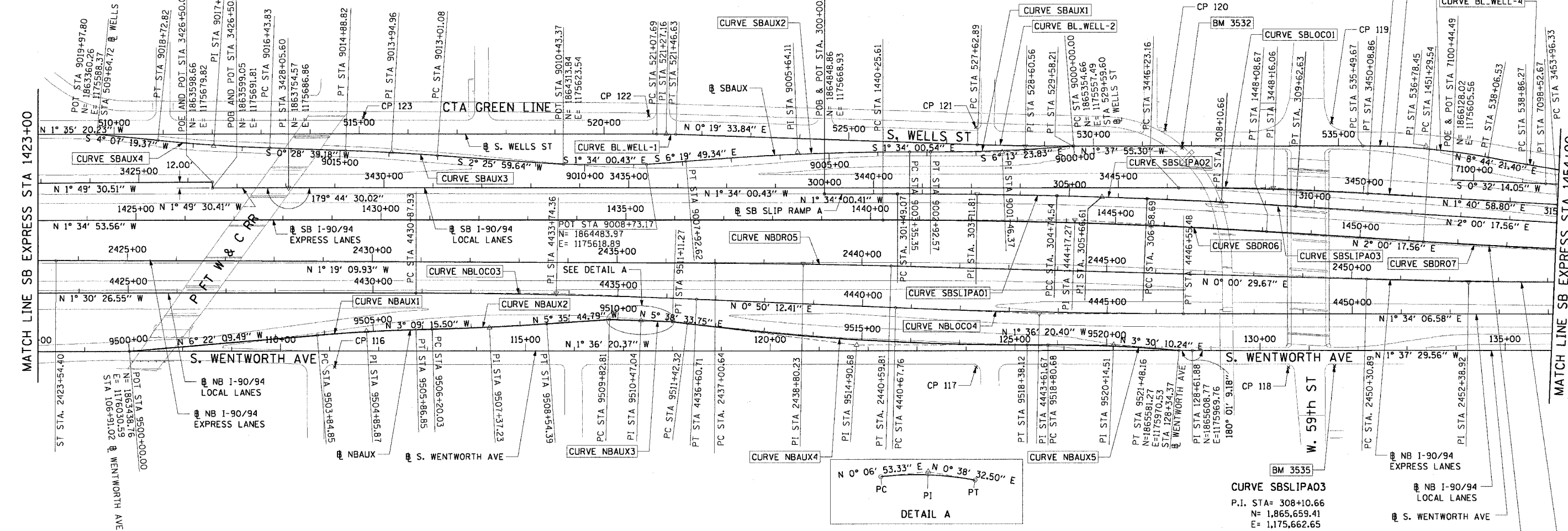
SCALE: 1"=100'
DATE: February 11, 2005

DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

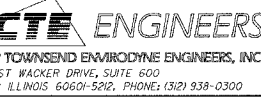
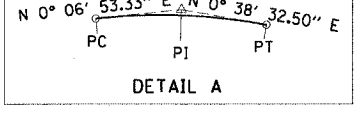
02/02/2005 09:01:35 AM

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	COOK	35	12
SECTION		COUNTY	
2004-067L		COOK	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
62806			

CURVE SBAUX1	CURVE SBAUX2	CURVE SBAUX3	CURVE SBAUX4	CURVE SBLOCO1	CURVE SBDR06	CURVE SBDR07	CURVE NBDRO5	CURVE NBDRO6	CURVE NBLOCO3	CURVE NBLOCO4
P.I. STA= 9001+46.37 N= 1,865,209.16 E= 1,175,573.36 Δ= 4° 39' 23" D= 1° 35' 30" R= 3600.00' T= 146.37' L= 292.57' E= 2.97' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9000+00.00 N= 1,865,354.66 E= 1,175,557.49 P.T. STA= 9002+92.57 N= 1,865,062.84 E= 1,175,577.36	P.I. STA= 9005+64.11 N= 1,864,791.41 E= 1,175,584.78 Δ= 4° 45' 49" D= 1° 02' 30" R= 5500.00' T= 228.77' L= 457.27' E= 4.76' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9003+35.35 N= 1,865,020.09 E= 1,175,578.53 P.T. STA= 9007+92.62 N= 1,864,564.03 E= 1,175,610.01	P.I. STA= 9013+94.96 N= 1,863,962.56 E= 1,175,608.62 Δ= 1° 57' 20" D= 1° 02' 30" R= 5500.00' T= 93.88' L= 187.72' E= 0.80' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9013+01.08 N= 1,864,056.35 E= 1,175,612.60 P.T. STA= 9014+88.82 N= 1,863,868.69 E= 1,175,607.83	P.I. STA= 9017+58.36 N= 1,863,599.16 E= 1,175,605.59 Δ= 3° 38' 40" D= 1° 35' 30" R= 3600.00' T= 114.53' L= 228.99' E= 4.76' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9016+43.83 N= 1,863,713.69 E= 1,175,606.54 P.T. STA= 9018+72.82 N= 1,863,484.92 E= 1,175,597.35	P.I. STA= 3448+16.06 N= 1,865,764.28 E= 1,175,631.89 Δ= 3° 14' 59" D= 0° 50' 33" R= 6800.00' T= 192.90' L= 385.69' E= 1.82' e= 2.5% T.R.= 41' (41') S.E. RUN= 103' (103') P.C. STA= 3446+23.16 N= 1,865,571.45 E= 1,175,637.16 P.T. STA= 3450+08.86 N= 1,865,957.09 E= 1,175,637.55	P.I. STA= 1444+17.27 N= 1,865,361.46 E= 1,175,708.72 Δ= 3° 35' 11" D= 0° 27' 29" R= 12510.00' T= 391.66' L= 783.06' E= 2.74' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 1440+25.61 N= 1,864,969.95 E= 1,175,719.53 P.T. STA= 1448+08.67 N= 1,865,752.88 E= 1,175,722.42	P.I. STA= 1455+16.63 N= 1,866,460.40 E= 1,175,747.19 Δ= 3° 33' 01" D= 0° 27' 31" R= 12490.00' T= 387.09' L= 773.94' E= 6.00' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 1451+29.54 N= 1,866,073.55 E= 1,175,733.65 P.T. STA= 1459+03.48 N= 1,866,847.36 E= 1,175,736.75	P.I. STA= 2438+80.23 N= 1,864,809.56 E= 1,175,813.83 Δ= 1° 19' 40" D= 0° 22' 11" R= 15500.00' T= 179.59' L= 359.17' E= 1.04' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 2437+00.64 N= 1,864,630.02 E= 1,175,817.97 P.T. STA= 2440+59.81 N= 1,864,989.16 E= 1,175,813.86	P.I. STA= 2452+38.92 N= 1,866,168.26 E= 1,175,814.03 Δ= 1° 35' 21" D= 0° 22' 55" R= 15000.00' T= 208.03' L= 416.02' E= 1.44' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 2450+30.89 N= 1,865,960.24 E= 1,175,814.00 P.T. STA= 2454+46.92 N= 1,866,376.21 E= 1,175,808.29	P.I. STA= 4433+74.36 N= 1,864,307.20 E= 1,175,888.18 Δ= 2° 20' 39" D= 0° 24' 33" R= 14000.00' T= 286.43' L= 572.79' E= 2.93' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 4430+87.93 N= 1,864,020.87 E= 1,175,895.72 P.T. STA= 4436+60.71 N= 1,864,593.61 E= 1,175,892.37	P.I. STA= 4443+61.67 N= 1,865,294.49 E= 1,175,902.60 Δ= 2° 24' 19" D= 0° 24' 33" R= 14000.00' T= 293.90' L= 587.72' E= 3.08' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 4440+67.76 N= 1,865,000.61 E= 1,175,898.31 P.T. STA= 4446+55.48 N= 1,865,588.28 E= 1,175,894.56



CURVE NBAUX1	CURVE NBAUX2	CURVE NBAUX3	CURVE NBAUX4	CURVE NBAUX5	CURVE BL.WELL-1	CURVE BL.WELL-2	CURVE BL.WELL-3	CURVE SBSLIPA01	CURVE SBSLIPA02
P.I. STA= 9504+85.87 N= 1,863,921.64 E= 1,175,976.69 Δ= 3° 12' 54" D= 1° 35' 30" R= 3600.00' T= 101.03' L= 202.00' E= 1.42' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9503+84.85 N= 1,863,821.23 E= 1,175,987.89 P.T. STA= 9505+86.85 N= 1,864,022.51 E= 1,175,971.13	P.I. STA= 9507+37.23 N= 1,864,172.66 E= 1,175,962.85 Δ= 2° 26' 29" D= 1° 02' 30" R= 5500.00' T= 117.20' L= 234.36' E= 1.25' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9506+20.03 N= 1,864,055.64 E= 1,175,969.30 P.T. STA= 9508+54.39 N= 1,864,289.30 E= 1,175,951.42	P.I. STA= 9510+47.04 N= 1,864,481.34 E= 1,175,939.03 Δ= 0° 31' 39" D= 0° 02' 30" R= 13952.00' T= 64.23' L= 128.46' E= 0.15' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9509+82.81 N= 1,864,417.11 E= 1,175,938.90 P.T. STA= 9511+27.27 N= 1,864,545.57 E= 1,175,939.75	P.I. STA= 9514+90.68 N= 1,864,923.14 E= 1,175,977.06 Δ= 7° 14' 54" D= 1° 02' 30" R= 5500.00' T= 348.36' L= 695.79' E= 11.02' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9511+42.32 N= 1,864,576.47 E= 1,175,942.80 P.T. STA= 9518+38.12 N= 1,865,271.36 E= 1,175,967.30	P.I. STA= 9520+14.51 N= 1,865,447.69 E= 1,175,962.35 Δ= 5° 06' 31" D= 1° 54' 35" R= 3000.00' T= 133.83' L= 267.48' E= 2.98' e= 2.4 T.R.= 11' (0') S.E. RUN= 66' (0') P.C. STA= 9518+80.68 N= 1,865,313.91 E= 1,175,966.10 P.T. STA= 9521+48.16 N= 1,865,581.27 E= 1,175,970.53	P.I. STA= 521+27.16 N= 1,864,522.25 E= 1,175,556.14 Δ= 1° 54' 54" D= 4° 55' 05" R= 1165.00' T= 19.47' L= 38.94' E= 0.16' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 521+07.69 N= 1,865,157.98 E= 1,175,559.75 P.T. STA= 529+58.21 N= 1,865,353.27 E= 1,175,557.53	P.I. STA= 528+60.56 N= 1,865,255.64 E= 1,175,560.31 Δ= 1° 57' 29" D= 1° 00' 09" R= 5715.00' T= 97.67' L= 195.31' E= 0.83' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 527+62.89 N= 1,865,157.98 E= 1,175,559.75 P.T. STA= 529+58.21 N= 1,865,353.27 E= 1,175,557.53	P.I. STA= 536+78.45 N= 1,866,073.22 E= 1,175,537.02 Δ= 10° 22' 17" D= 4° 02' 16" R= 1419.00' T= 19.47' L= 256.86' E= 5.83' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 535+49.67 N= 1,865,944.49 E= 1,175,540.68 P.T. STA= 538+06.53 N= 1,866,200.51 E= 1,175,556.58	P.I. STA= 303+11.81 N= 1,865,160.56 E= 1,175,660.40 Δ= 1° 25' 14" D= 0° 00' 09" R= 13128.07' T= 162.74' L= 325.47' E= 1.01' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 301+49.07 N= 1,864,997.88 E= 1,175,664.85 P.C.C. STA= 304+74.54 N= 1,865,659.99 E= 1,175,659.99	P.I. STA= 305+66.61 N= 1,865,415.38 E= 1,175,659.75 Δ= 0° 49' 32" D= 0° 26' 11" R= 12779.64' T= 92.08' L= 184.15' E= 0.33' e= N/A T.R.= N/A S.E. RUN= N/A P.C.C. STA= 304+74.54 N= 1,865,323.30 E= 1,175,659.99 P.C.C. STA= 306+58.69 N= 1,865,507.45 E= 1,175,660.85 P.T. STA= 309+62.63 N= 1,865,811.30 E= 1,175,667.96



- NOTES:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

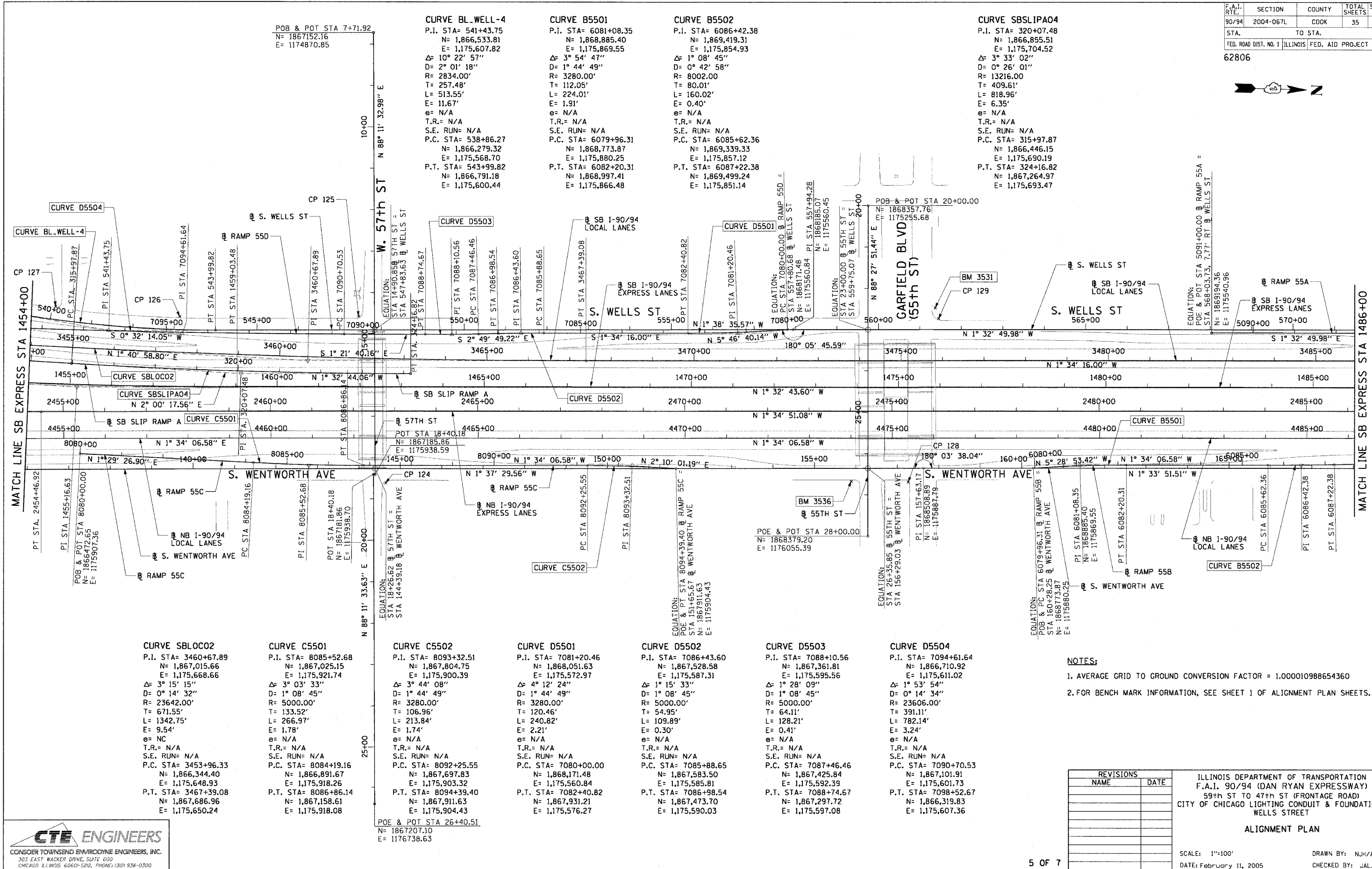
ALIGNMENT PLAN

SCALE: 1"=100'
DATE: February 11, 2005

DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

C:\tech\mtr\p40468\p40468.dwg\pln\90-94\90-94-12.dwg 09/01/05 09:01:36 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	13
STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



CURVE SBLOCO2 P.I. STA= 3460+67.89 N= 1,867,015.66 E= 1,175,668.66 Δ= 3° 15' 15" D= 0° 14' 32" R= 23642.00' T= 671.55' L= 1342.75' E= 9.54' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 3453+96.33 N= 1,866,344.40 E= 1,175,648.93 P.T. STA= 3467+39.98 N= 1,867,686.96 E= 1,175,650.24	CURVE C5501 P.I. STA= 8085+52.68 N= 1,867,025.15 E= 1,175,921.74 Δ= 3° 03' 33" D= 1° 08' 45" R= 5000.00' T= 133.52' L= 266.97' E= 1.78' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8084+19.16 N= 1,866,891.67 E= 1,175,918.26 P.T. STA= 8086+86.14 N= 1,867,158.61 E= 1,175,918.08	CURVE C5502 P.I. STA= 8093+32.51 N= 1,867,804.75 E= 1,175,900.39 Δ= 3° 44' 08" D= 1° 44' 49" R= 3280.00' T= 106.96' L= 213.84' E= 1.74' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8092+25.55 N= 1,867,697.83 E= 1,175,903.32 P.T. STA= 8094+39.40 N= 1,867,931.63 E= 1,175,904.43	CURVE D5501 P.I. STA= 7081+20.46 N= 1,868,051.63 E= 1,175,572.97 Δ= 4° 12' 24" D= 1° 44' 49" R= 3280.00' T= 120.46' L= 240.82' E= 2.21' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7080+00.00 N= 1,868,171.48 E= 1,175,585.81 P.T. STA= 7082+40.82 N= 1,867,931.21 E= 1,175,576.27	CURVE D5502 P.I. STA= 7086+43.60 N= 1,867,528.58 E= 1,175,587.31 Δ= 1° 15' 33" D= 1° 08' 45" R= 5000.00' T= 54.95' L= 109.89' E= 0.30' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7085+88.65 N= 1,867,583.50 E= 1,175,592.39 P.T. STA= 7086+98.54 N= 1,867,473.70 E= 1,175,590.03	CURVE D5503 P.I. STA= 7088+10.56 N= 1,867,361.81 E= 1,175,595.56 Δ= 1° 28' 09" D= 1° 08' 45" R= 5000.00' T= 64.11' L= 128.21' E= 0.41' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7087+46.46 N= 1,867,425.84 E= 1,175,592.39 P.T. STA= 7088+74.67 N= 1,867,297.72 E= 1,175,597.08	CURVE D5504 P.I. STA= 7094+61.64 N= 1,866,710.92 E= 1,175,611.02 Δ= 1° 53' 54" D= 0° 14' 34" R= 23606.00' T= 391.11' L= 782.14' E= 3.24' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7090+70.53 N= 1,867,101.91 E= 1,175,601.73 P.T. STA= 7098+52.67 N= 1,866,319.83 E= 1,175,607.36
--	---	---	---	--	--	--

NOTES:
 1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

ALIGNMENT PLAN

SCALE: 1"=100'
 DATE: February 11, 2005
 DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



02/02/2005 09:03:37 AM \\cchf-nf\p40469\p40468\elec\N4\citr\9\sh\contract_9912\01091\200502a.dwg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62806				



CURVE C4701
 P.I. STA= 8068+34.90
 N= 1,872,302.10
 E= 1,175,769.16
 Δ= 2° 04' 05"
 D= 1° 08' 45"
 R= 5000.00'
 T= 90.24'
 L= 180.47'
 E= 0.81'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8067+44.66
 N= 1,872,211.86
 E= 1,175,768.33
 P.T. STA= 8069+25.12
 N= 1,872,392.31
 E= 1,175,766.72

CURVE D4702
 P.I. STA= 7071+15.85
 N= 1,872,344.72
 E= 1,175,380.81
 Δ= 3° 54' 33"
 D= 0° 57' 38"
 R= 5964.00'
 T= 203.53'
 L= 406.91'
 E= 3.47'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7069+12.32
 N= 1,872,548.03
 E= 1,175,371.29
 P.T. STA= 7073+19.22
 N= 1,872,142.54
 E= 1,175,404.17

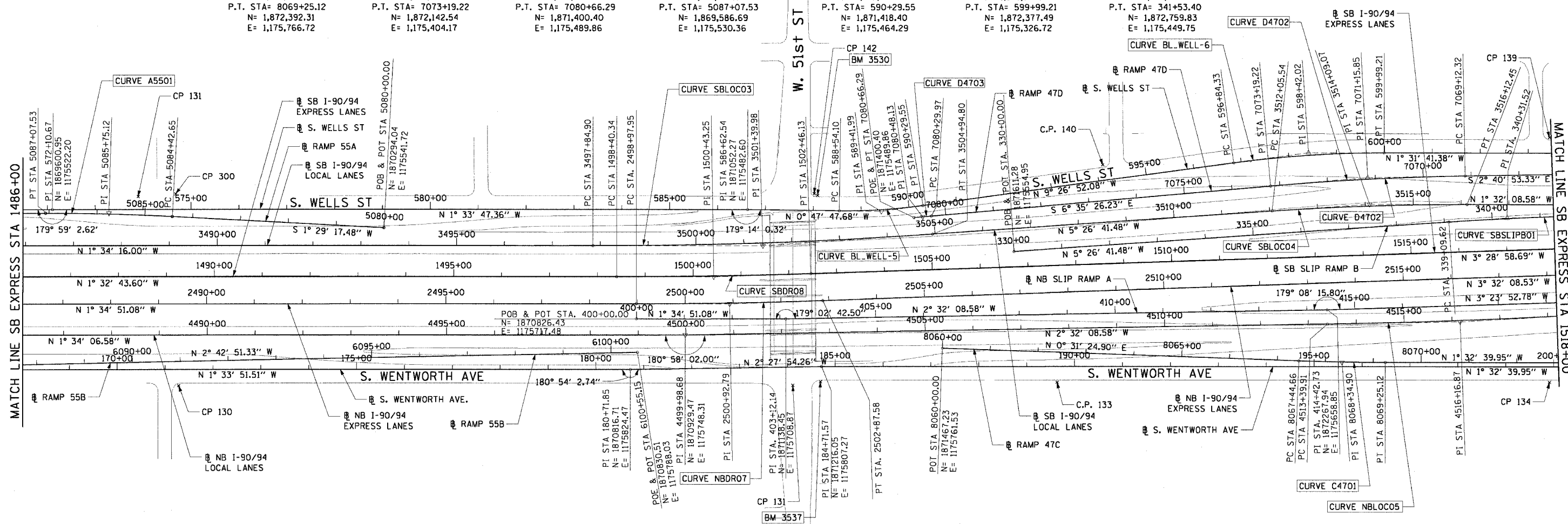
CURVE D4703
 P.I. STA= 7080+48.13
 N= 1,871,418.45
 E= 1,175,487.83
 Δ= 0° 11' 56"
 D= 0° 32' 51"
 R= 10464.00'
 T= 18.16'
 L= 36.32'
 E= 0.02'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7080+29.97
 N= 1,871,436.49
 E= 1,175,485.75
 P.T. STA= 7080+66.29
 N= 1,871,400.40
 E= 1,175,489.86

CURVE A5501
 P.I. STA= 5085+75.12
 N= 1,869,719.11
 E= 1,175,526.79
 Δ= 3° 02' 07"
 D= 1° 08' 45"
 R= 5000.00'
 T= 132.48'
 L= 264.89'
 E= 1.75'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 5084+42.65
 N= 1,869,851.55
 E= 1,175,530.23
 P.T. STA= 5087+07.53
 N= 1,869,586.69
 E= 1,175,530.36

CURVE BL.WELL-5
 P.I. STA= 589+41.99
 N= 1,871,331.70
 E= 1,175,478.71
 Δ= 8° 39' 04"
 D= 4° 55' 51"
 R= 1162.00'
 T= 87.89'
 L= 175.45'
 E= 3.32'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 588+54.10
 N= 1,871,243.82
 E= 1,175,479.94
 P.T. STA= 590+29.55
 N= 1,871,418.40
 E= 1,175,464.29

CURVE BL.WELL-6
 P.I. STA= 598+42.02
 N= 1,872,219.86
 E= 1,175,330.92
 Δ= 7° 55' 11"
 D= 2° 30' 55"
 R= 2278.00'
 T= 157.69'
 L= 314.87'
 E= 5.45'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 596+84.33
 N= 1,872,064.31
 E= 1,175,356.80
 P.T. STA= 599+99.21
 N= 1,872,377.49
 E= 1,175,326.72

CURVE SB SLIPB01
 P.I. STA= 340+31.52
 N= 1,872,638.15
 E= 1,175,457.07
 Δ= 2° 00' 00"
 D= 0° 49' 13"
 R= 6984.00'
 T= 121.91'
 L= 243.79'
 E= 1.06'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 339+09.62
 N= 1,872,516.79
 E= 1,175,468.64
 P.T. STA= 341+53.40
 N= 1,872,759.83
 E= 1,175,449.75



CURVE SBLOC03
 P.I. STA= 3501+39.98
 N= 1,871,086.59
 E= 1,175,557.00
 Δ= 3° 52' 25"
 D= 0° 32' 44"
 R= 10500.00'
 T= 355.09'
 L= 709.90'
 E= 6.00'
 e= RC
 T.R.= 96° (96°)
 S.E. RUN= 62° (62°)
 P.C. STA= 3497+84.90
 N= 1,870,731.64
 E= 1,175,566.73
 P.T. STA= 3504+94.80
 N= 1,871,440.08
 E= 1,175,523.31

CURVE SBLOC04
 P.I. STA= 3514+09.07
 N= 1,872,350.23
 E= 1,175,436.55
 Δ= 3° 54' 33"
 D= 0° 57' 39"
 R= 5964.00'
 T= 203.53'
 L= 406.91'
 E= 3.47'
 e= 2.8%
 T.R.= 41° (41°)
 S.E. RUN= 115° (115°)
 P.C. STA= 3512+05.54
 N= 1,872,147.61
 E= 1,175,455.86
 P.T. STA= 3516+12.45
 N= 1,872,553.69
 E= 1,175,431.10

CURVE SBDR08
 P.I. STA= 1500+43.25
 N= 1,870,985.63
 E= 1,175,625.10
 Δ= 1° 56' 15"
 D= 0° 28' 39"
 R= 12000.00'
 T= 202.92'
 L= 405.79'
 E= 1.72'
 e= NC
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 1498+40.34
 N= 1,870,782.79
 E= 1,175,630.57
 P.T. STA= 1502+46.13
 N= 1,871,188.17
 E= 1,175,612.77

CURVE NBDRO7
 P.I. STA= 2500+92.79
 N= 1,871,020.31
 E= 1,175,680.12
 Δ= 1° 57' 17"
 D= 0° 30' 06"
 R= 11420.00'
 T= 194.84'
 L= 389.63'
 E= 1.66'
 e= NC
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 2498+97.95
 N= 1,870,825.55
 E= 1,175,685.50
 P.T. STA= 2502+87.58
 N= 1,871,214.78
 E= 1,175,668.10

CURVE NBLOC05
 P.I. STA= 4516+16.87
 N= 1,872,546.08
 E= 1,175,676.71
 Δ= 2° 26' 28"
 D= 0° 26' 27"
 R= 13000.00'
 T= 276.96'
 L= 553.84'
 E= 2.95'
 e= NC
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 4513+39.91
 N= 1,872,269.39
 E= 1,175,688.97
 P.T. STA= 4518+93.75
 N= 1,872,822.00
 E= 1,175,652.69

- NOTES:**
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

ALIGNMENT PLAN

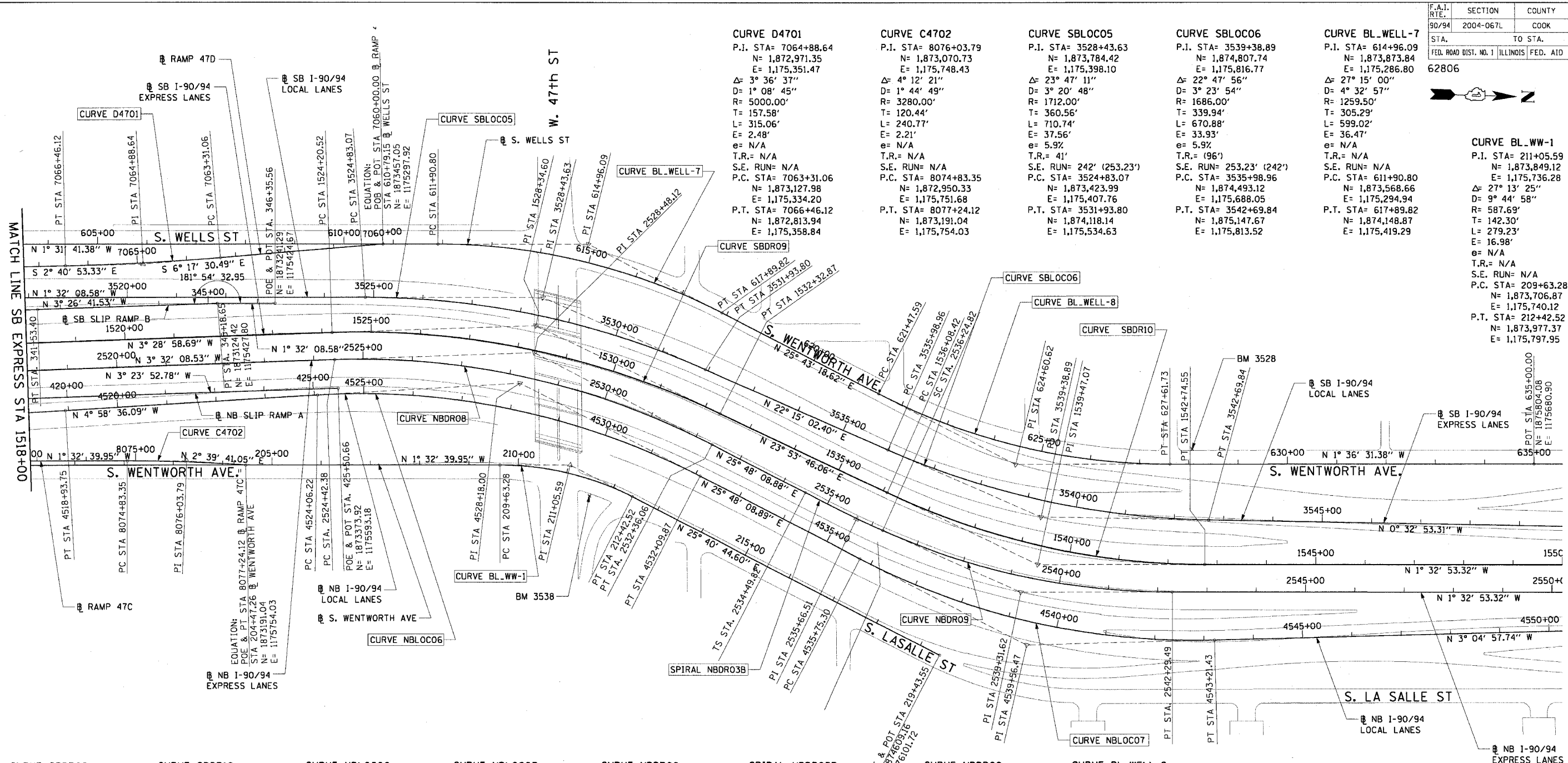
SCALE: 1"=100'
 DATE: February 11, 2005

DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



\c:\tech\m\p40468\p40468\elec\N4-ctr\9\stf\contract\9812\val090\200602a.dwg 09/01/05 09:01:37 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	15
STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
62806			62806	



CURVE D4701
P.I. STA= 7064+88.64
N= 1,872,971.35
E= 1,175,351.47
Δ= 3° 36' 37"
D= 1° 08' 45"
R= 5000.00'
T= 157.58'
L= 315.06'
e= 2.48'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 7063+31.06
N= 1,873,127.98
E= 1,175,334.20
P.T. STA= 7066+46.12
N= 1,872,813.94
E= 1,175,358.84

CURVE C4702
P.I. STA= 8076+03.79
N= 1,873,070.73
E= 1,175,748.43
Δ= 4° 12' 21"
D= 1° 44' 49"
R= 3280.00'
T= 120.44'
L= 240.77'
e= 2.21'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 8074+83.35
N= 1,873,950.33
E= 1,175,751.68
P.T. STA= 8077+24.12
N= 1,873,191.04
E= 1,175,754.03

CURVE SBLOC05
P.I. STA= 3528+43.63
N= 1,873,784.42
E= 1,175,398.10
Δ= 23° 47' 11"
D= 3° 20' 48"
R= 1712.00'
T= 360.56'
L= 710.74'
e= 37.56'
e= 5.9%
T.R.= 41'
S.E. RUN= 242' (253.23')
P.C. STA= 3524+83.07
N= 1,873,423.99
E= 1,175,407.76
P.T. STA= 3531+93.80
N= 1,873,191.04
E= 1,175,534.63

CURVE SBLOC06
P.I. STA= 3539+38.89
N= 1,874,807.74
E= 1,175,816.77
Δ= 22° 47' 56"
D= 3° 23' 54"
R= 1686.00'
T= 339.94'
L= 670.88'
e= 33.93'
e= 5.9%
T.R.= (96')
S.E. RUN= 253.23' (242')
P.C. STA= 3535+98.96
N= 1,874,493.12
E= 1,175,688.05
P.T. STA= 3542+69.84
N= 1,875,147.67
E= 1,175,813.52

CURVE BL_WELL-7
P.I. STA= 614+96.09
N= 1,873,873.84
E= 1,175,286.80
Δ= 27° 15' 00"
D= 4° 32' 57"
R= 1259.50'
T= 305.29'
L= 599.02'
e= 36.47'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 611+90.80
N= 1,873,736.28
E= 1,175,294.94
P.T. STA= 617+89.82
N= 1,874,118.87
E= 1,175,419.29

CURVE BL_WW-1
P.I. STA= 211+05.59
N= 1,873,849.12
E= 1,175,736.28
Δ= 27° 13' 25"
D= 9° 44' 58"
R= 587.69'
T= 142.30'
L= 279.23'
e= 16.98'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 209+63.28
N= 1,873,706.87
E= 1,175,740.12
P.T. STA= 212+42.52
N= 1,873,977.37
E= 1,175,797.95

CURVE SBDR09
P.I. STA= 1528+34.60
N= 1,873,771.86
E= 1,175,455.52
Δ= 27° 22' 45"
D= 3° 22' 13"
R= 1700.00'
T= 414.09'
L= 812.35'
e= 49.71'
e= 5.9%
T.R.= 41'
S.E. RUN= 242' (277.96')
P.C. STA= 1524+20.52
N= 1,873,358.54
E= 1,175,480.67
P.T. STA= 1532+32.87
N= 1,874,150.45
E= 1,175,623.26

CURVE SBDR10
P.I. STA= 1539+47.07
N= 1,874,803.43
E= 1,175,912.56
Δ= 25° 26' 39"
D= 3° 49' 11"
R= 1500.00'
T= 338.65'
L= 666.13'
e= 37.75'
e= 6.0%
T.R.= (96')
S.E. RUN= (282.56') 246'
P.C. STA= 1536+08.42
N= 1,874,493.81
E= 1,175,775.38
P.T. STA= 1542+74.55
N= 1,875,141.96
E= 1,175,903.41

CURVE NBLOC06
P.I. STA= 4528+18.00
N= 1,873,742.76
E= 1,175,572.51
Δ= 30° 46' 45"
D= 3° 49' 48"
R= 1496.00'
T= 411.77'
L= 803.65'
e= 55.64'
e= 6.0%
T.R.= 96' (96')
S.E. RUN= (272.71') 246'
P.C. STA= 4524+06.22
N= 1,873,332.54
E= 1,175,608.23
P.T. STA= 4532+09.87
N= 1,874,113.48
E= 1,175,751.74

CURVE NBLOC07
P.I. STA= 4539+56.47
N= 1,874,785.65
E= 1,176,076.72
Δ= 28° 53' 07"
D= 3° 52' 17"
R= 1480.00'
T= 381.17'
L= 746.13'
e= 48.30'
e= 6.0%
T.R.= 41' (41')
S.E. RUN= (272.71') 246'
P.C. STA= 4535+75.30
N= 1,874,442.48
E= 1,175,910.80
P.T. STA= 4543+21.43
N= 1,875,166.27
E= 1,176,056.22

CURVE NBDR08
P.I. STA= 2528+48.12
N= 1,873,770.44
E= 1,175,510.19
Δ= 29° 20' 17"
D= 3° 41' 47"
R= 1550.00'
T= 405.74'
L= 793.67'
e= 52.23'
e= 6.0%
T.R.= 96' (96')
S.E. RUN= 246' (267.20')
P.C. STA= 2524+42.38
N= 1,873,365.47
E= 1,175,535.22
P.T. STA= 2532+36.06
N= 1,874,135.73
E= 1,175,686.80

SPIRAL NBDR03B
P.I. STA= 2535+66.51
N= 1,874,433.24
E= 1,175,830.64
Δ= 3° 27' 27"
LS= 175.00'
YS= 3.52'
XS= 174.94'
P= 0.88'
K= 87.49'
LT= 116.69'
ST= 58.35'
LC= 174.97'
T.S. STA= 2534+49.87
N= 1,874,328.19
E= 1,175,779.85
S.C. STA= 2536+24.82
N= 1,874,487.21
E= 1,175,852.82

CURVE NBDR09
P.I. STA= 2539+31.62
N= 1,874,770.97
E= 1,175,969.46
Δ= 23° 53' 35"
D= 3° 57' 05"
R= 1450.00'
T= 306.79'
L= 604.67'
e= 32.10'
e= 6.0%
T.R.= 41'
S.E. RUN= 246'
P.C. STA= 2536+24.82
N= 1,874,487.21
E= 1,175,852.82
P.T. STA= 2542+29.49
N= 1,875,077.65
E= 1,175,961.17

CURVE BL_WELL-8
P.I. STA= 624+60.62
N= 1,874,753.20
E= 1,175,710.42
Δ= 27° 19' 50"
D= 4° 27' 01"
R= 1287.50'
T= 313.03'
L= 614.15'
e= 37.51'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 621+47.59
N= 1,874,471.18
E= 1,175,574.56
P.T. STA= 627+61.73
N= 1,875,066.11
E= 1,175,701.63

- NOTES:**
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

ALIGNMENT PLAN

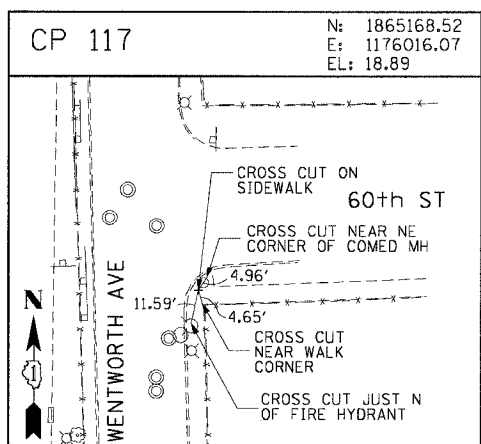
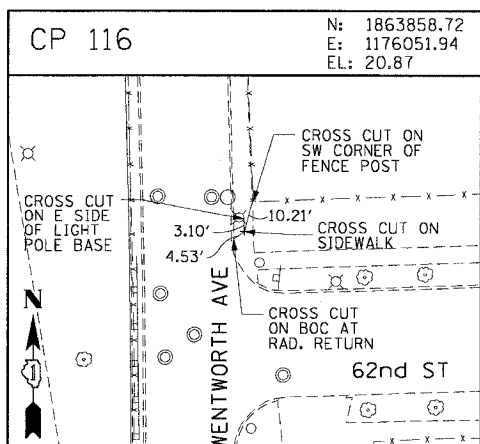
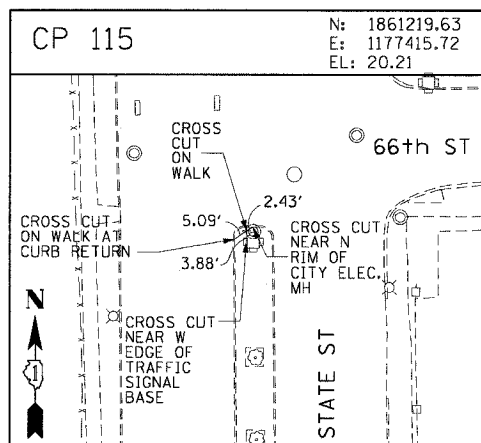
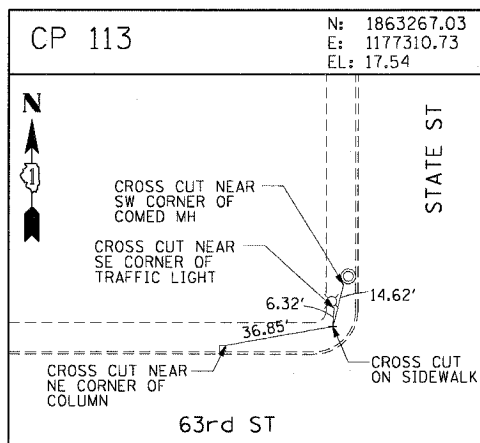
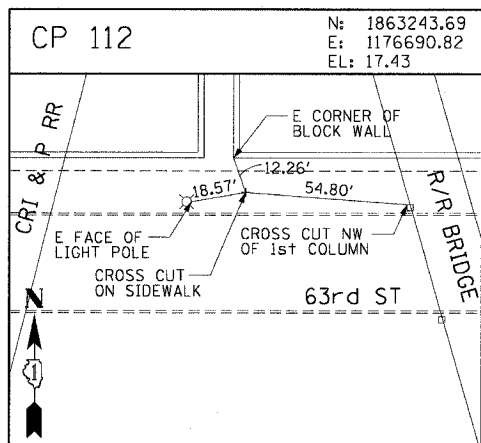
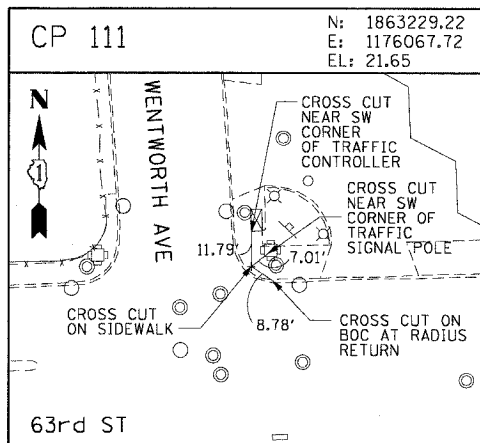
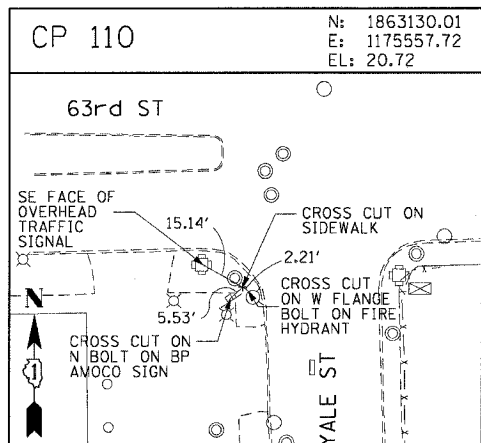
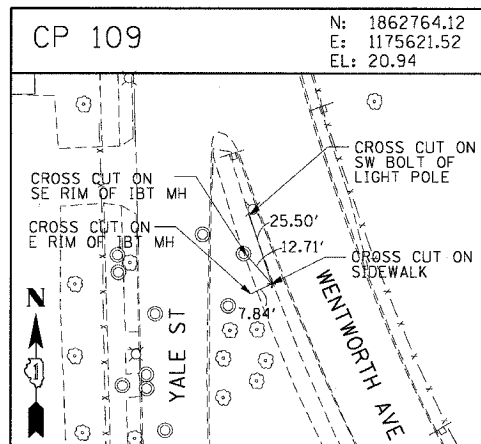
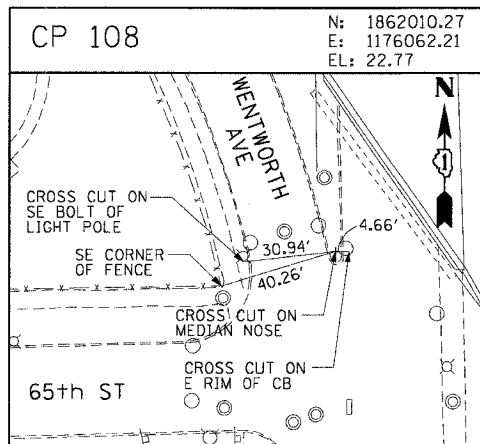
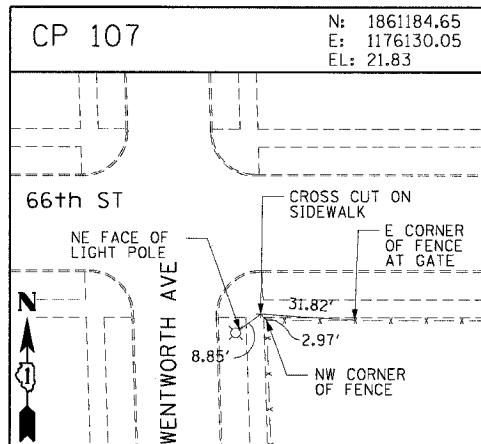
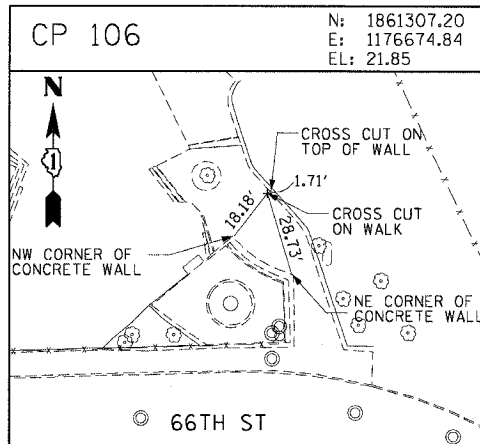
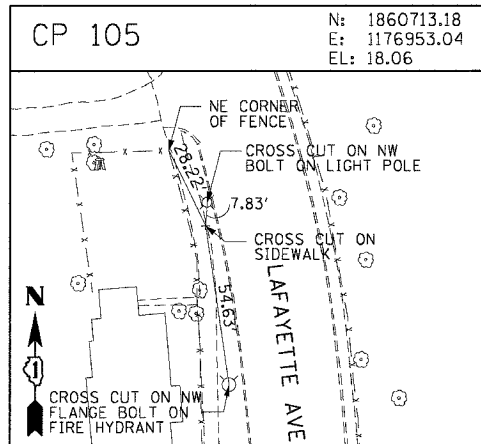
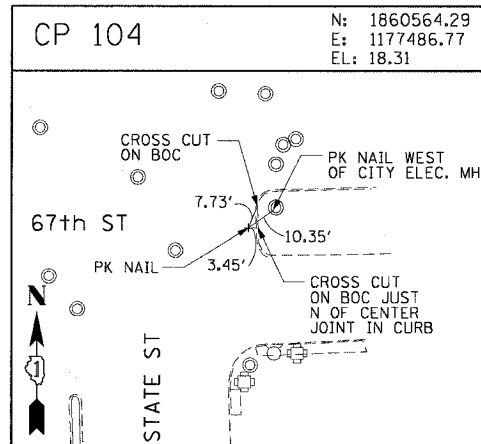
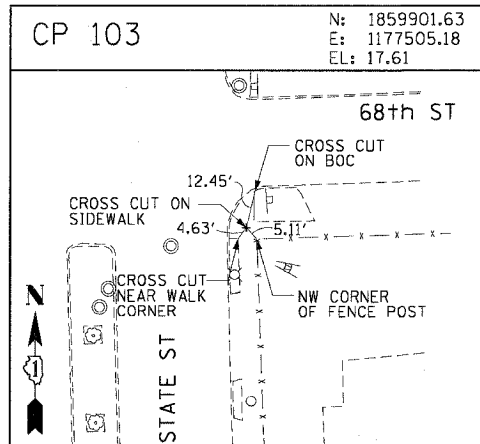
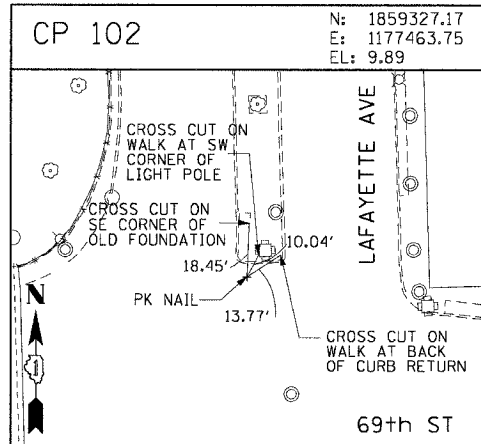
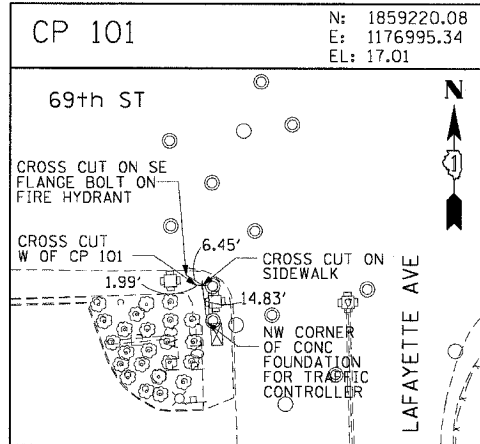
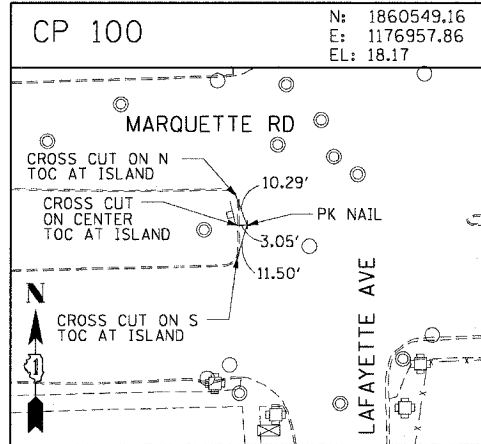
SCALE: 1"=100'
DATE: February 11, 2005

DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS



I:\projects\90\94\940466\940466\elect\14-ctr\9-sh\contract_9912\9099\2007\2a.dwg
 05/01/2005 09:01:38 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

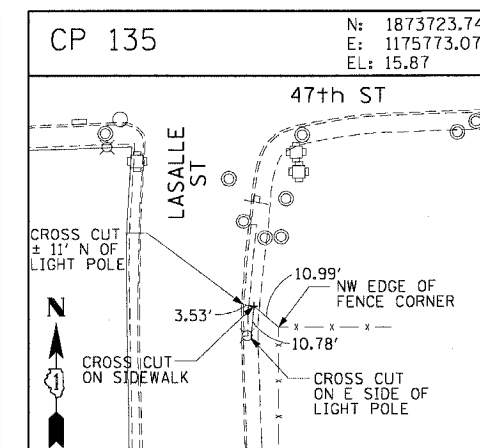
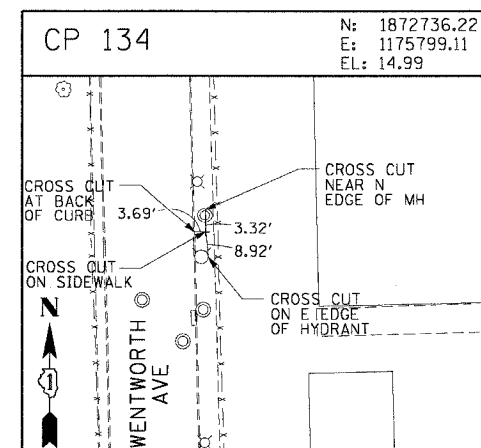
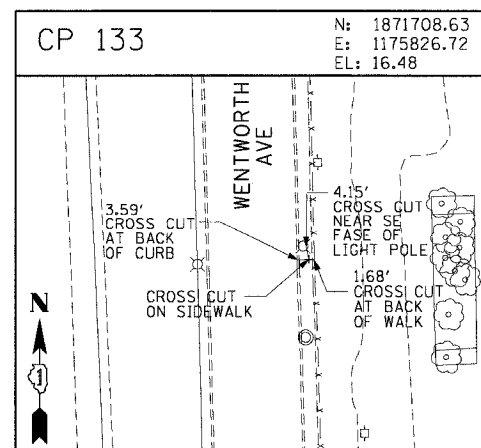
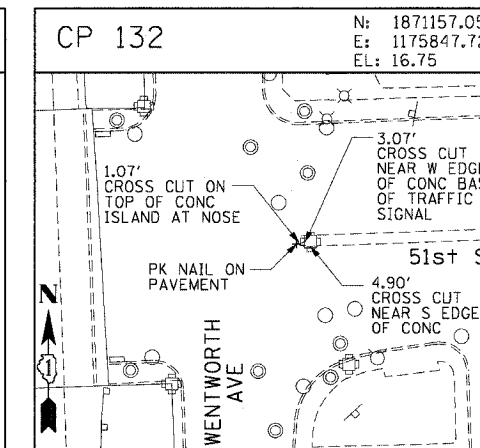
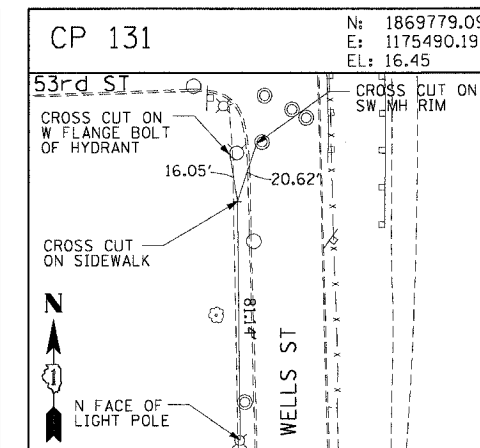
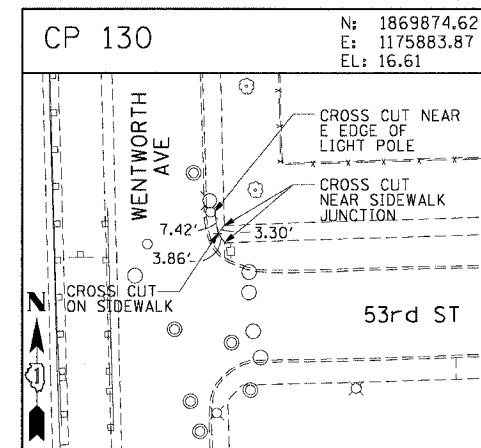
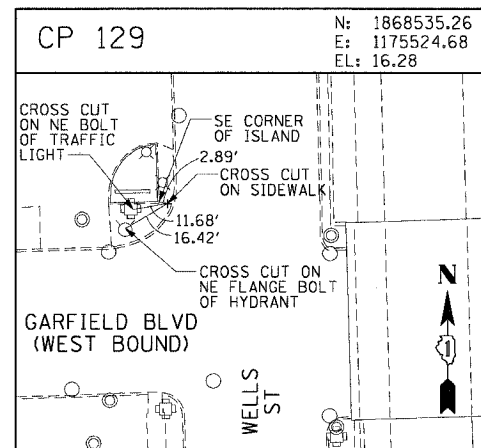
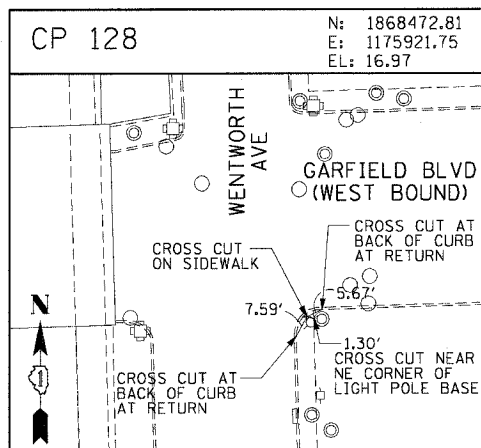
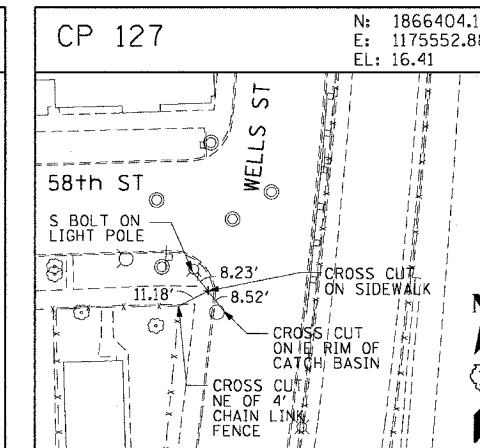
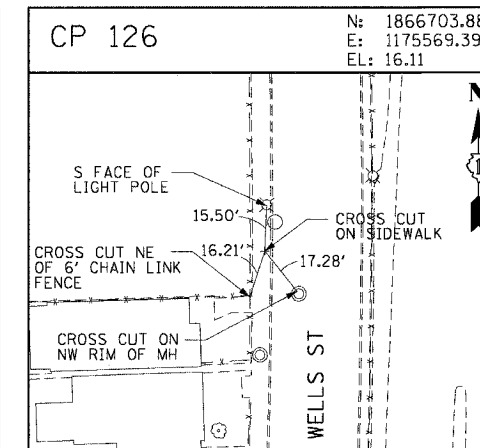
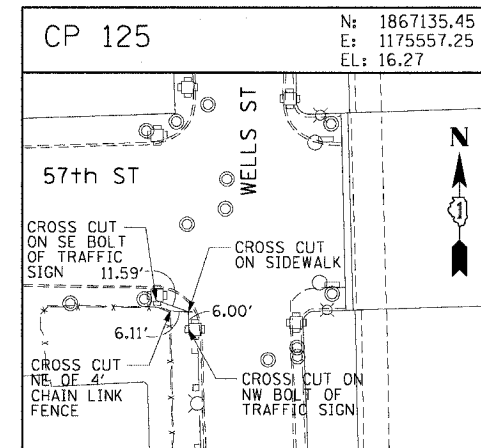
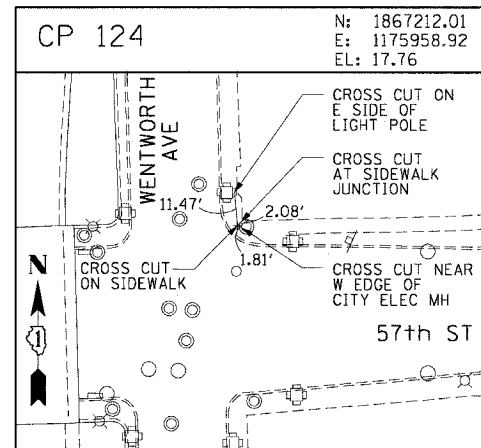
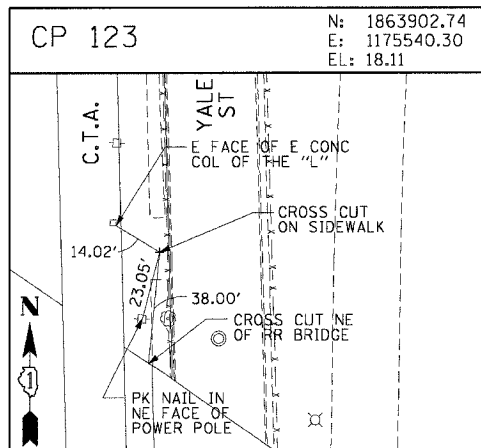
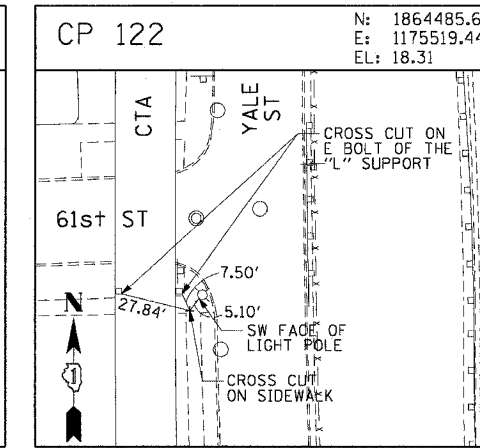
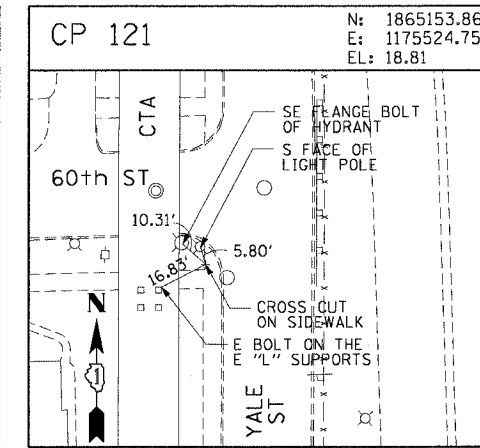
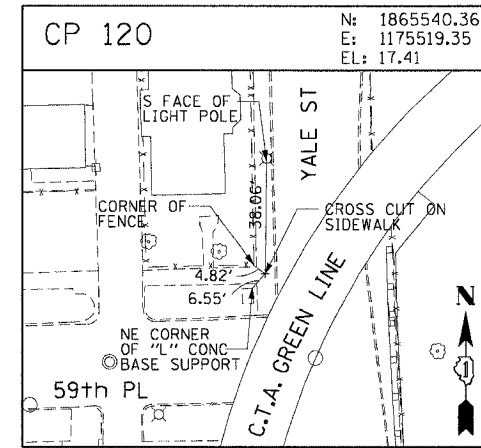
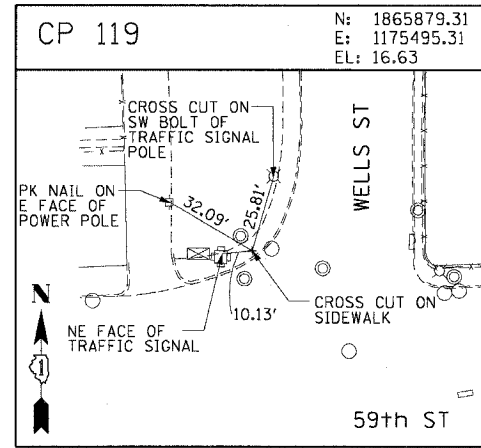
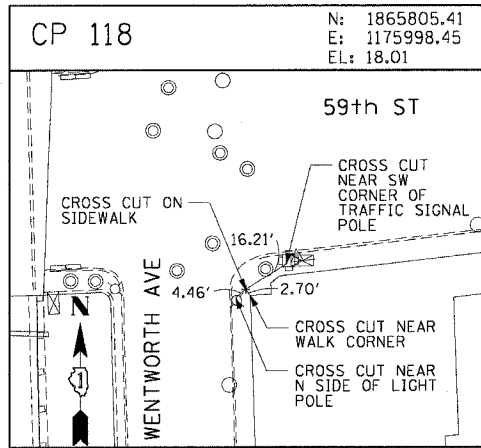
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
 DATE: February 11, 2005

DRAWN BY: MRK
 CHECKED BY: JAL

\\tech\at\p40468\p40468\elect\4-entr\9\st\N\contr\act\9\st\2\02\2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	17
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

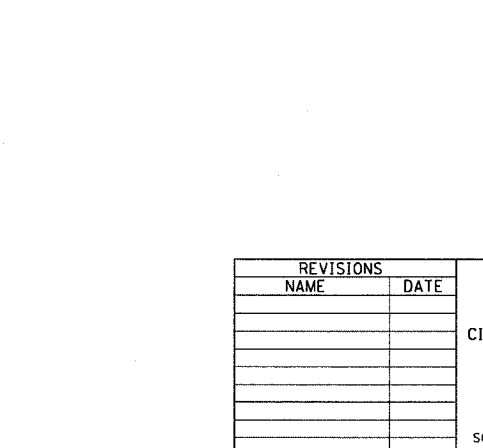
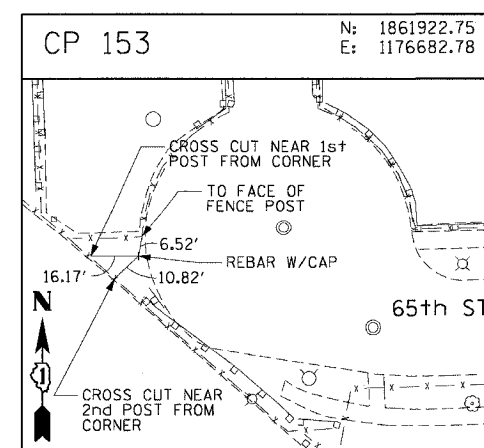
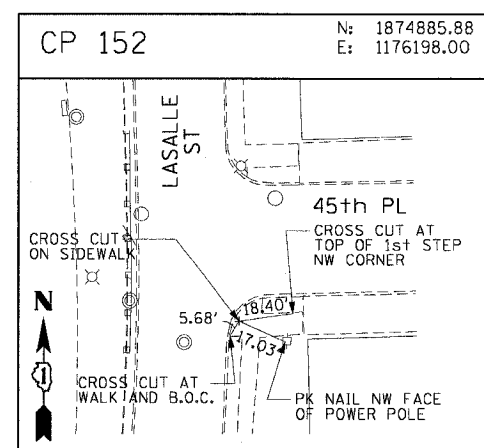
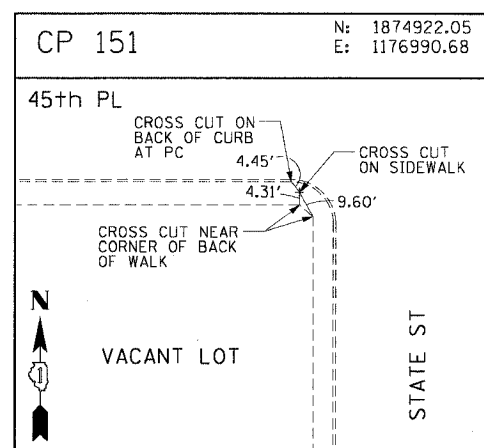
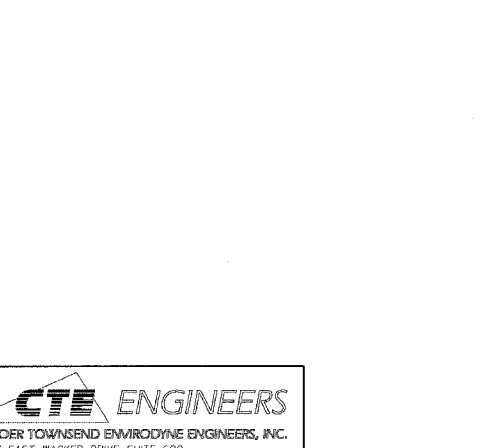
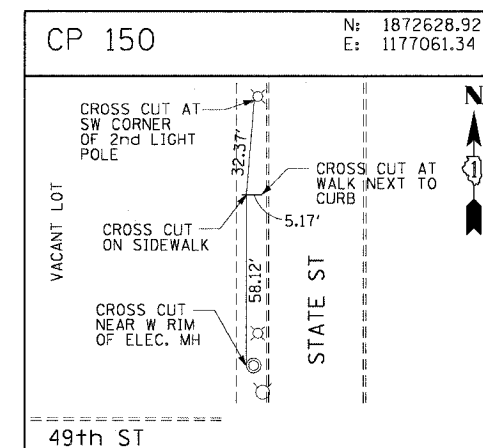
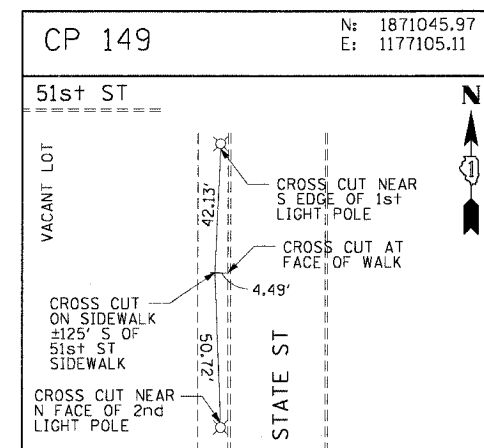
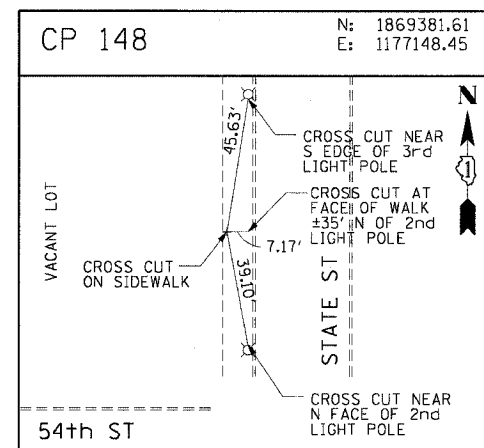
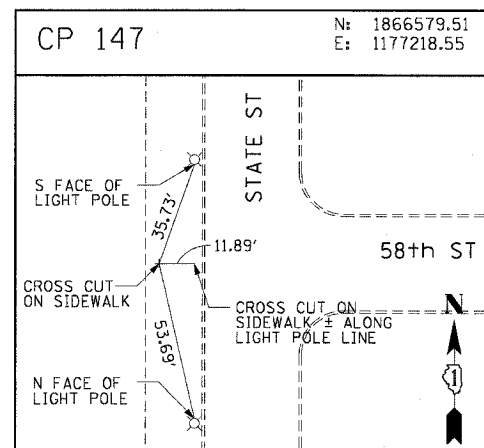
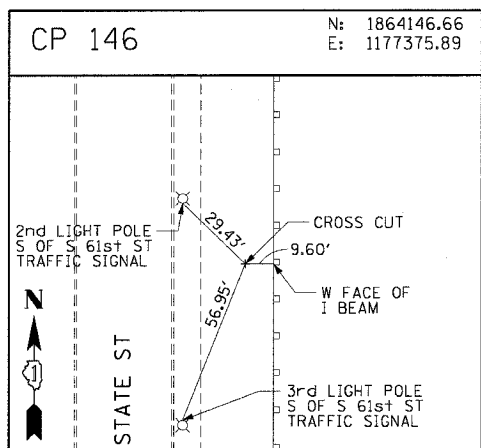
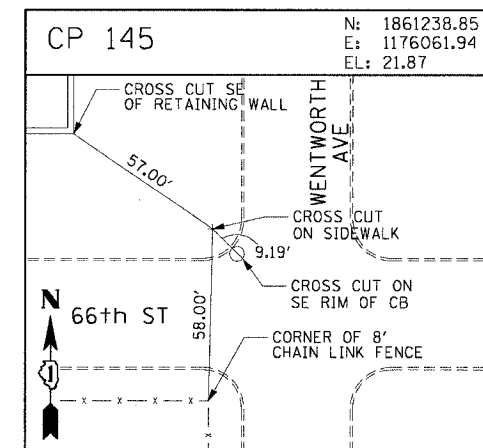
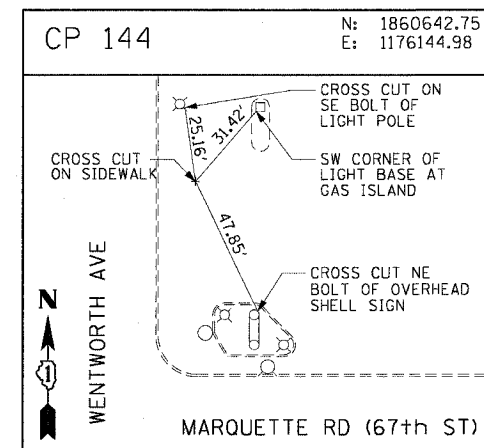
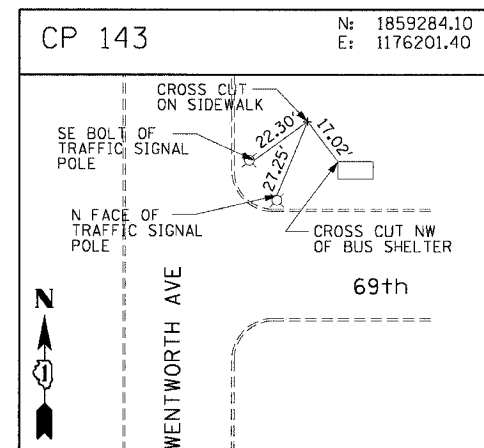
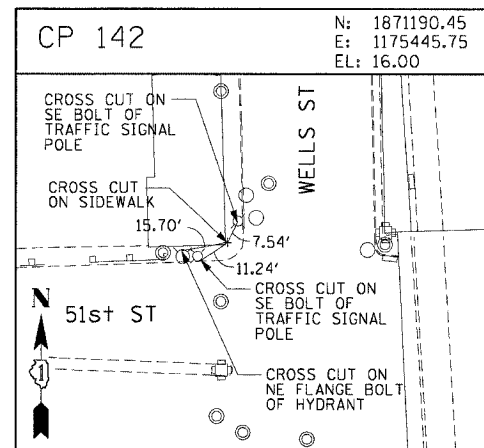
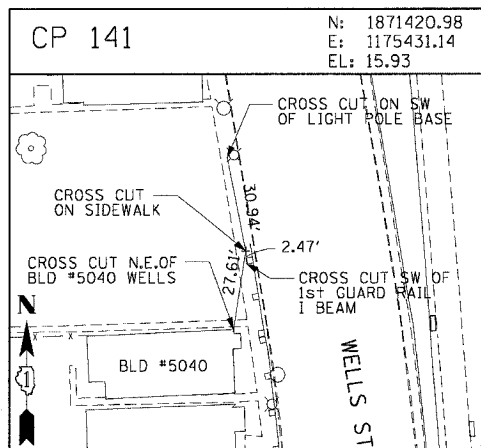
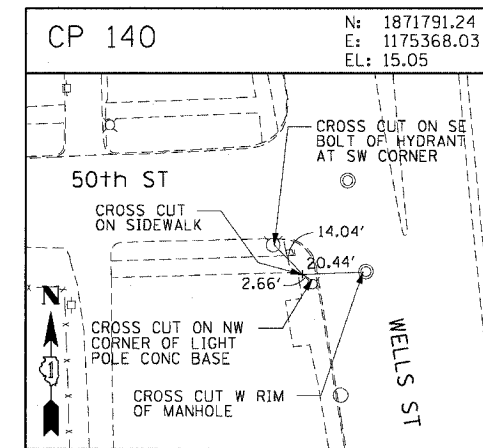
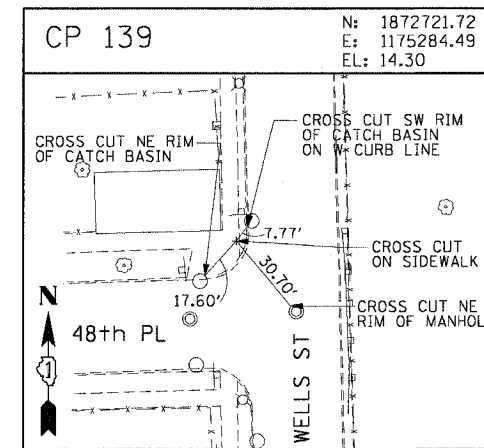
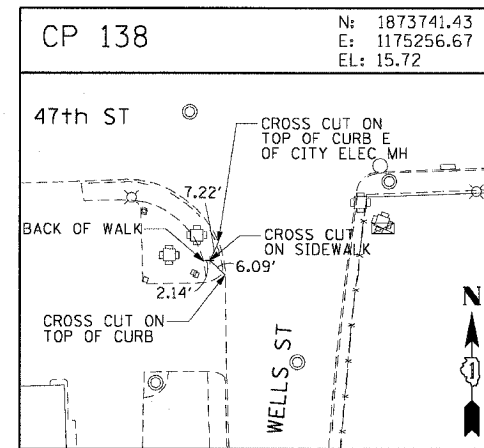
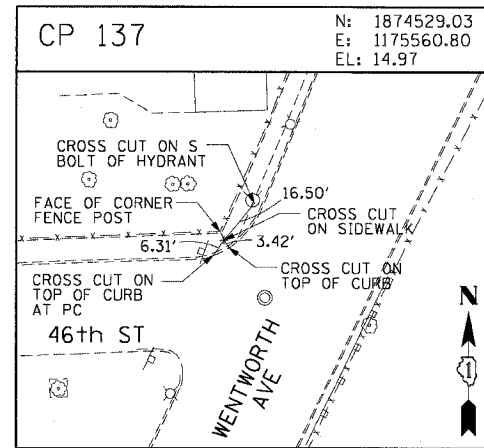
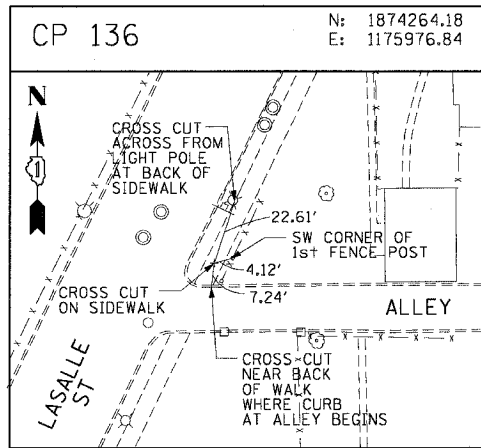
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
 DATE: February 11, 2005

DRAWN BY: MRK
 CHECKED BY: JAL

\\cnc\nt\p\p40488\p40488\elec\N4-cnr\F5\st\control\90a\2005\0202a.dwg 02/02/2005 09:40:40 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	18
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
62806				



CTE ENGINEERS
CONSOR TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5202, PHONE: (312) 938-0300

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

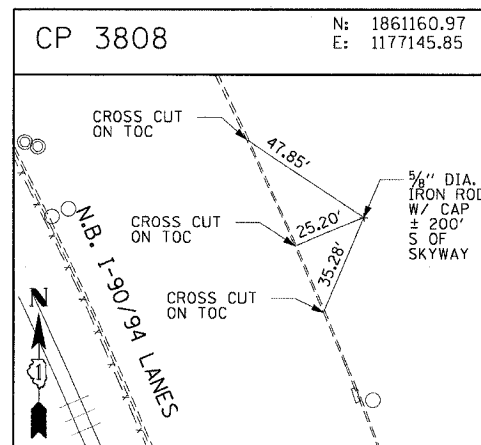
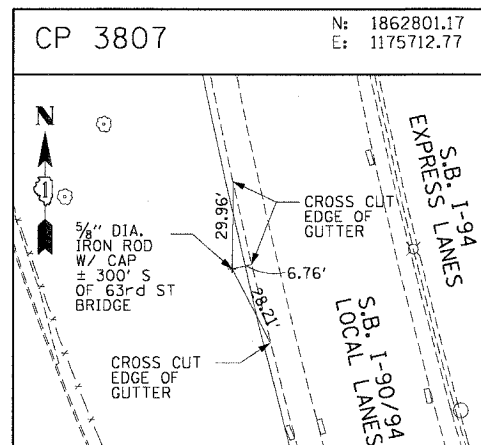
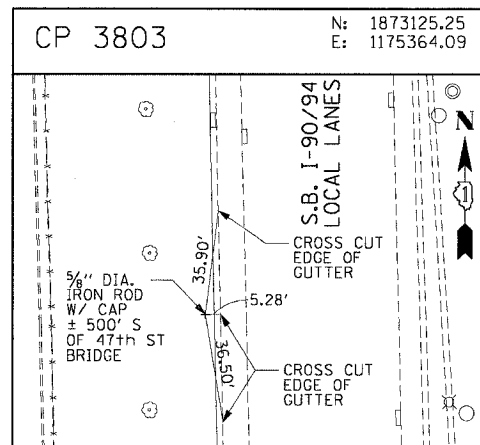
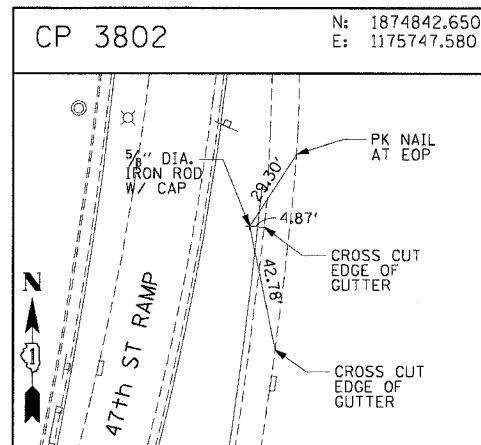
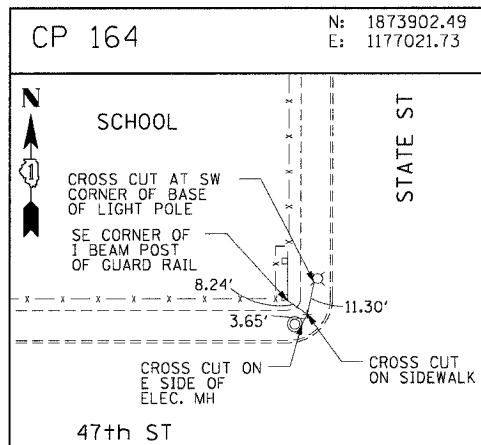
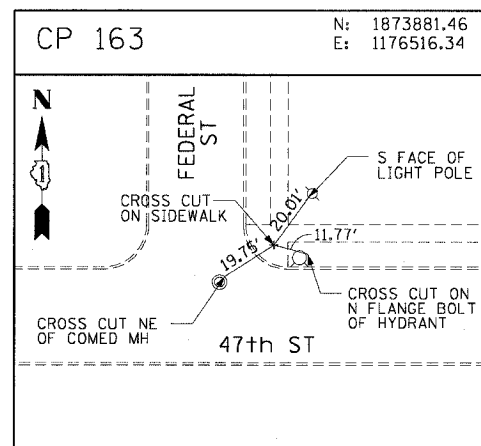
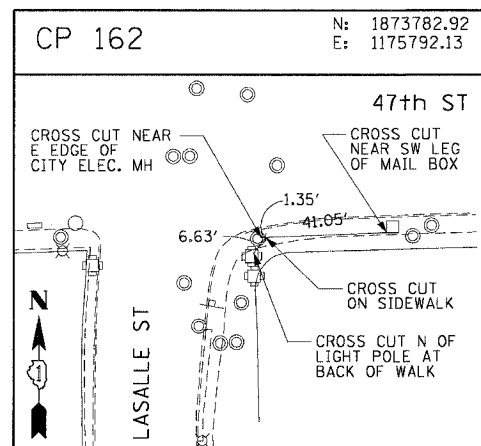
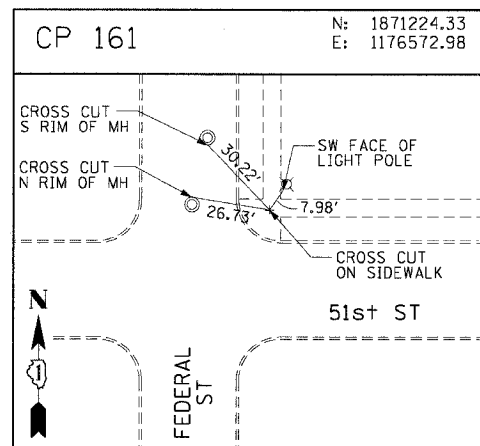
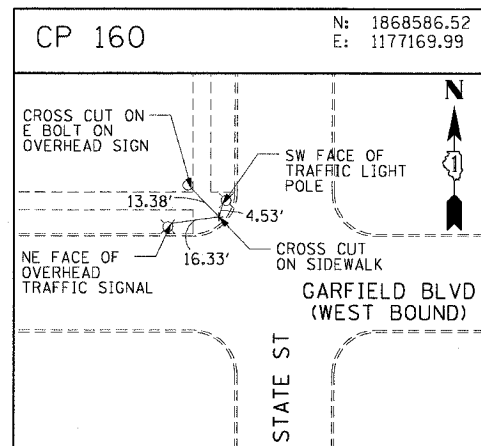
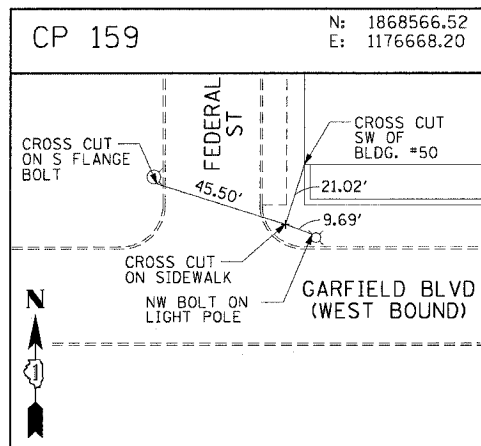
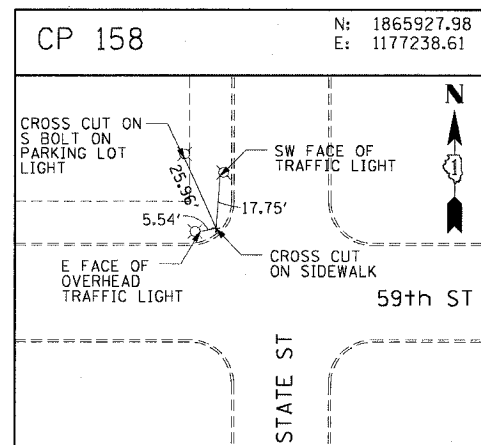
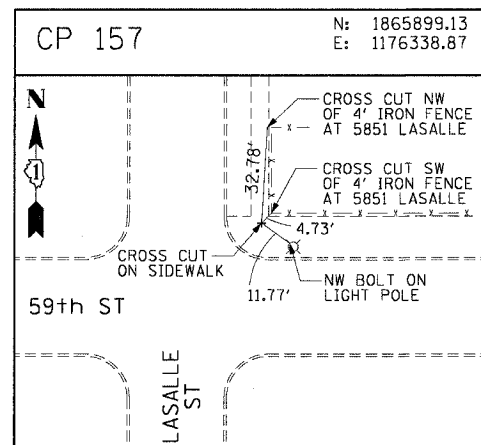
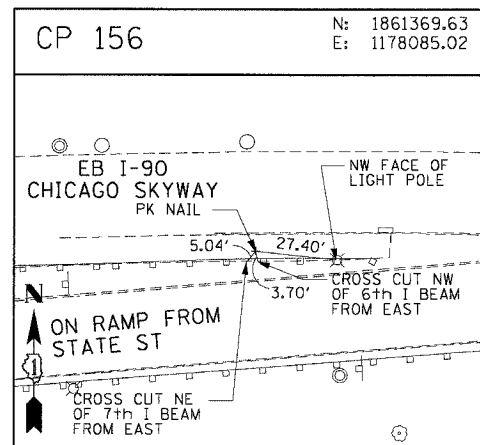
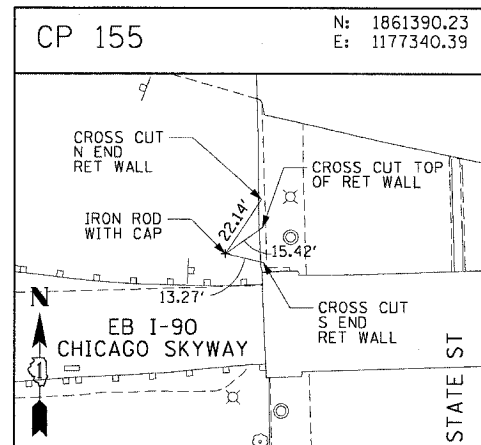
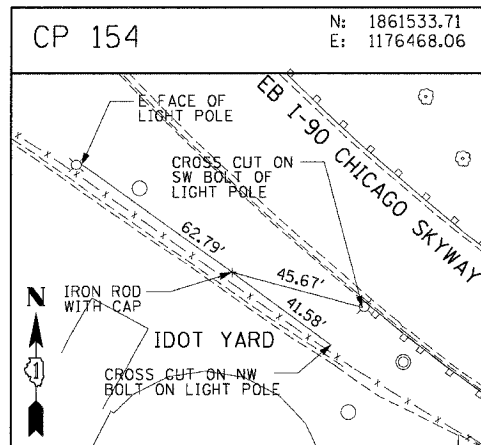
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: February 11, 2005

DRAWN BY: MRK
CHECKED BY: JAL

\\cchc\nt\p\0465\p\0465\elec\N\ctr\9\st\contract\9\2\al09\2103\203.stb 02/02/2005 09:01:40 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: February 11, 2005

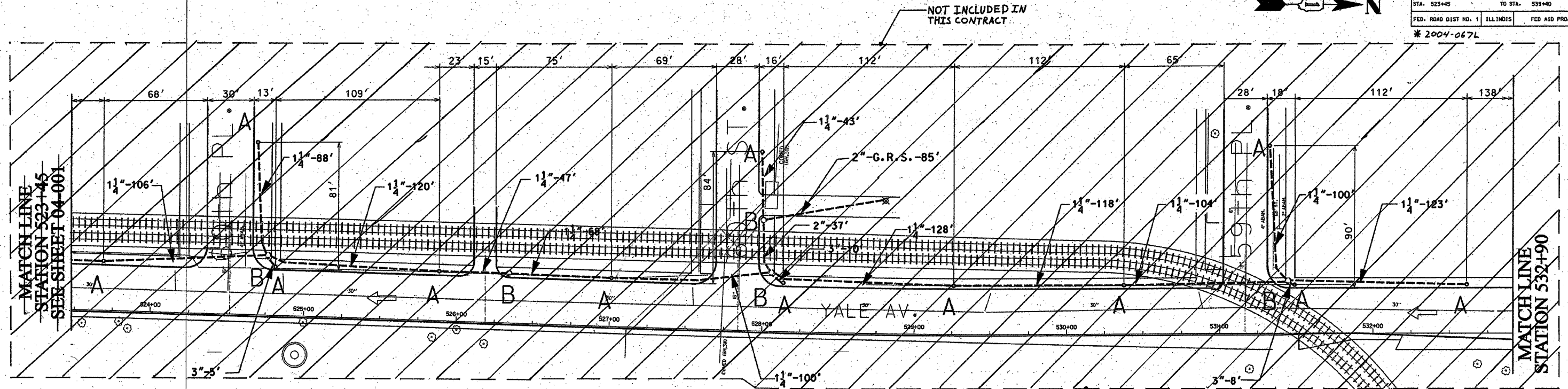
DRAWN BY: MRK
CHECKED BY: JAL

62806

F. A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	20
STA. 523+45		TO STA. 539+40		
FED. ROAD DIST. NO. 1		ILLINOIS		FED AID PROJECTS



* 2004-067L

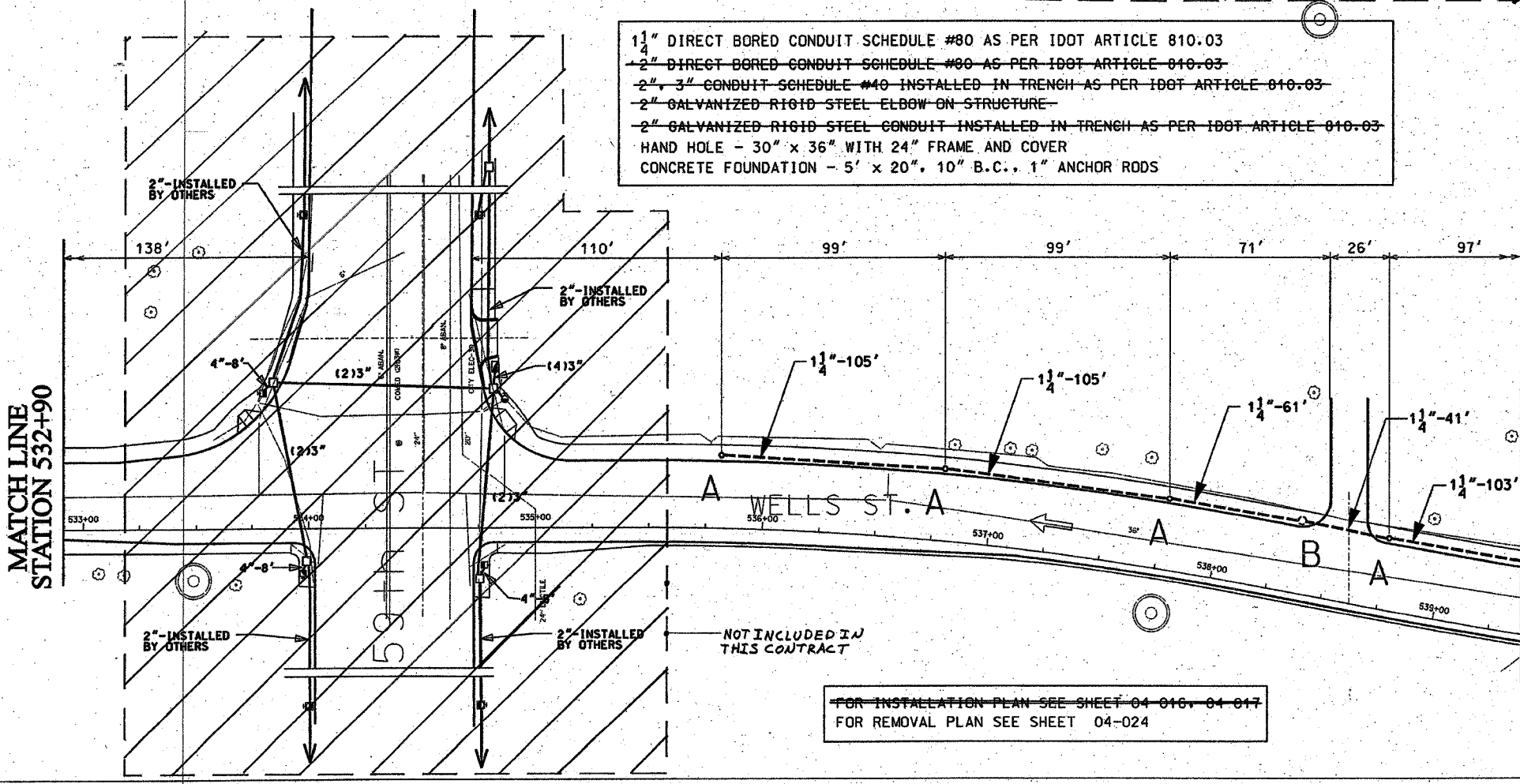


- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2", 3" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

NOTES: CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:

"A" - INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.

"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.



FOR INSTALLATION PLAN SEE SHEET 04-016, 04-017
FOR REMOVAL PLAN SEE SHEET 04-024

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER B. GARNSEY
SUPERVISING ENGINEER ELEC. DESIGN ENGR.	DWG. NO. 04-002	
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		

SIZE: 22" | 36" SCALE: 1"=30' DATE: 1/20/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th St. TO 47th St. (FRONTAGE ROADS)

STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES

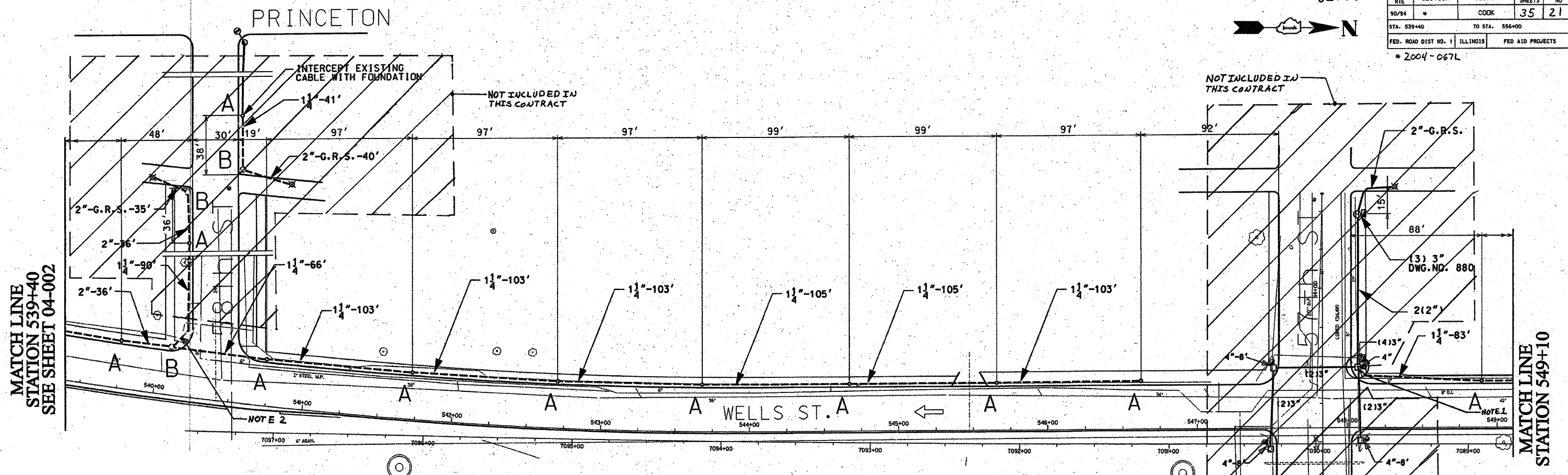
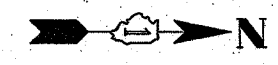
SCALE: 1" = 30'
DATE: February 11, 2005
DRAWN BY: B.T.G.
CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	21
STA. 539+40		TO STA. 556+00		
FED. ROAD DIST NO. 1		ILLINOIS FED AID PROJECTS		

* 2004-067L

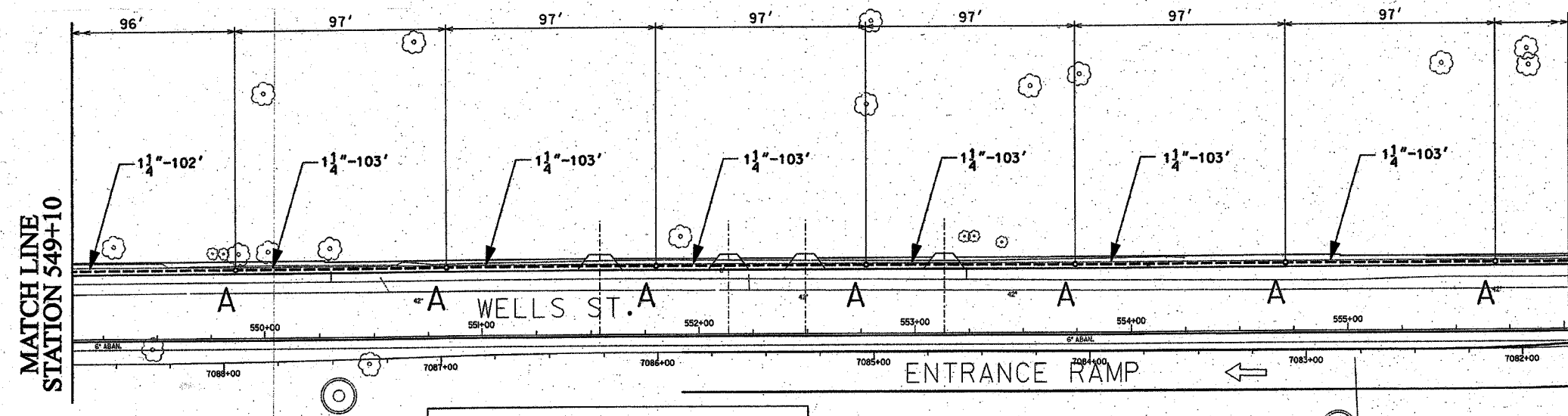


MATCH LINE
STATION 539+40
SEE SHEET 04-002

MATCH LINE
STATION 549+10

- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

- NOTES:** CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:
- "A"- INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.
 - "B"- INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER
 - "D"- INSTALL BASE FOUNDATION AS PER DWG. 876 FOR STREET LIGHTING CONTROLLER. TO BE INSTALLED ON TRAFFIC SIGNAL CONTRACT



MATCH LINE
STATION 549+10

MATCH LINE
STATION 556+05
SEE SHEET 04-004

FOR INSTALLATION PLAN SEE SHEET 04-017
FOR REMOVAL PLAN SEE SHEETS 04-024, 04-025

- NOTES:**
1. ROUTE PROPOSED CONDUIT RUN TO THE EXISTING MANHOLE OR HANDHOLE AS SHOWN. DRILL THE EXISTING MANHOLE OR HANDHOLE AND INSTALL PROPOSED CONDUIT THROUGH THE MANHOLE OR HANDHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.
 2. PROVIDE A CONDUIT STUB AT MANHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE SEE IDOT CONTRACT UJI 62536 AND 62795 FOR LIMITS OF SIDEWALK REPLACEMENT.

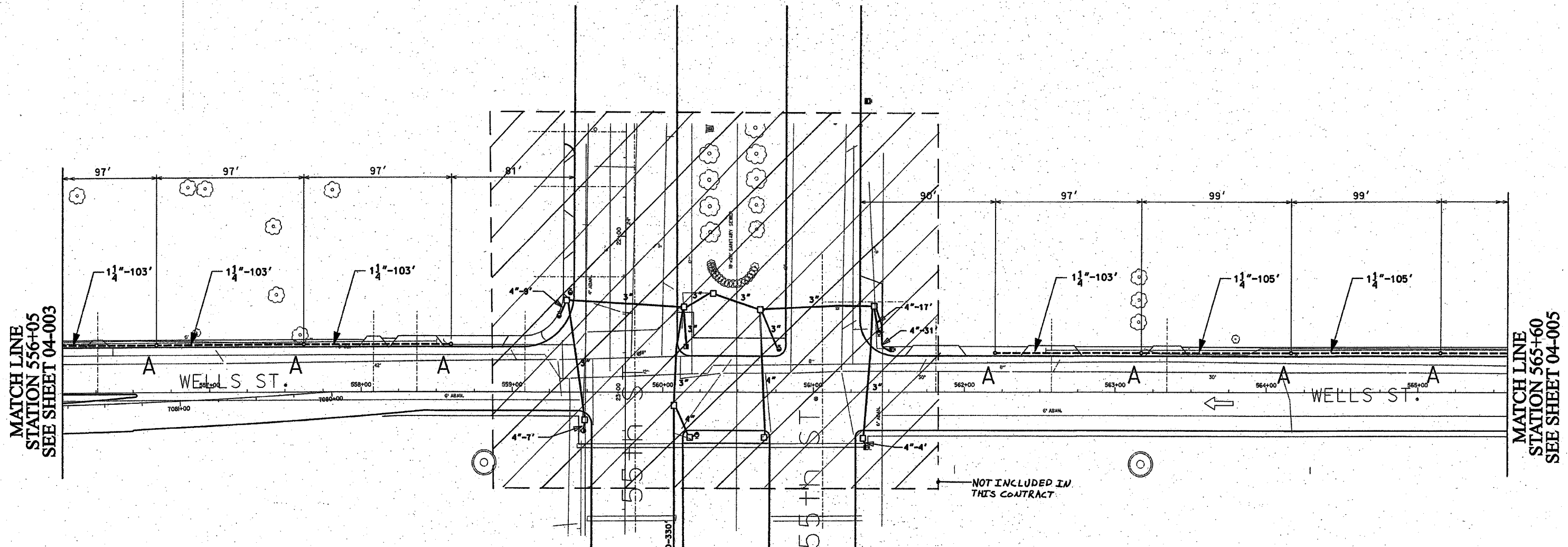
CITY OF CHICAGO			
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: B. GARNSEY	DWG. NO.
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.		04-003
ENGINEER OF ELECTRICITY:			
GEN'L. SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE: 22" 36"	SCALE: 1"=30'	DATE: 1/20/04	
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 59th St. to 47th St. (FRONTAGE ROADS)			
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES			
SCALE: 1" = 30'		DRAWN BY: B.T.G.	
DATE: February 11, 2005		CHECKED BY: O.L.	

REVISIONS	
NAME	DATE

62806



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	22
STA. 555+00		TO STA. 565+60		
FED. ROAD DIST. NO. 1		ILLINOIS		FED AID PROJECTS
* 2004-067L				



MATCH LINE
STATION 556+05
SEE SHEET 04-003

MATCH LINE
STATION 565+60
SEE SHEET 04-005

- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- ~~2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03~~
- ~~2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03~~
- ~~2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE~~
- ~~2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03~~
- ~~HAND HOLE 30" x 36" WITH 24" FRAME AND COVER~~
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

NOTES: CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:

"A" - INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.

"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER

FOR INSTALLATION PLAN SEE SHEETS 04-017, 04-018
FOR REMOVAL PLAN SEE SHEET 04-025

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER B. GARNSEY
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		DWG. NO.
GEN'L SUPT. OF ELECTRICITY:		04-004
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: 1"=30'	DATE: 1/20/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
57th St. TO 47th St. (FRONTAGE ROADS)

**STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES**

SCALE: 1" = 30' DRAWN BY: B.T.G.
DATE: February 11, 2005 CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62806

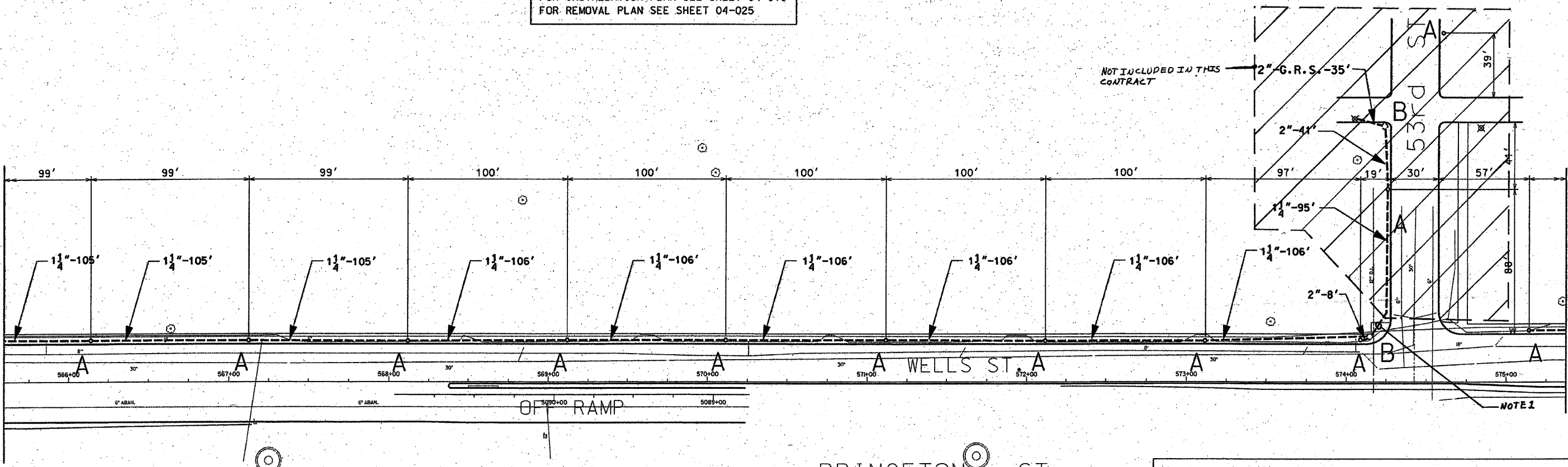
F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	23
STA. 565+60		TO STA. 581+95.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECTS	



FOR INSTALLATION PLAN SEE SHEET 04-018
FOR REMOVAL PLAN SEE SHEET 04-025

* 2004-067L

MATCH LINE
STATION 565+60
SEE SHEET 04-004



MATCH LINE
STATION 575+35

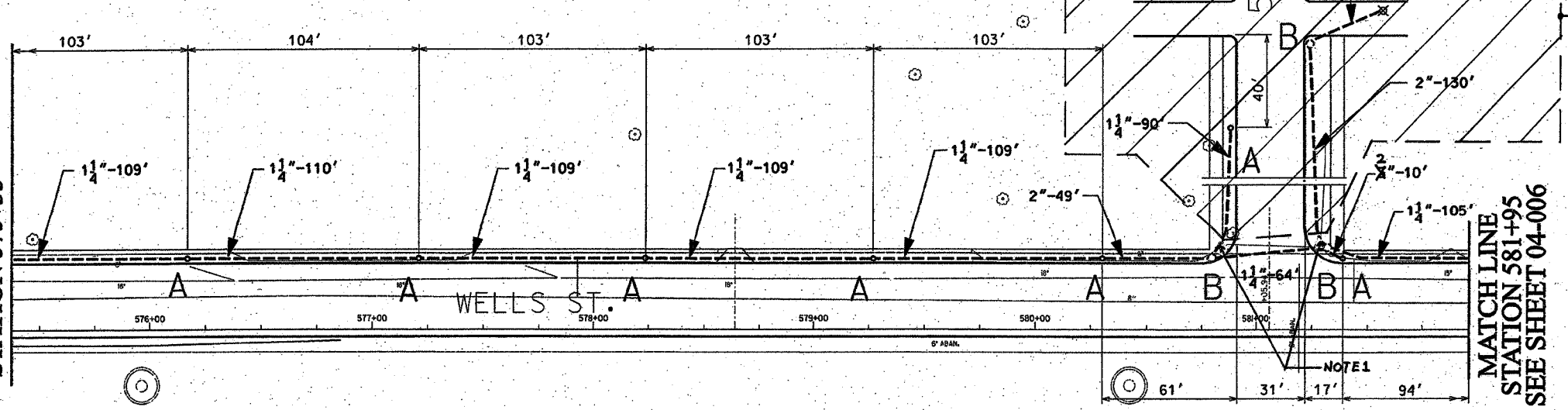
- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

NOTES: CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:

"A" - INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.

"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

MATCH LINE
STATION 575+35



MATCH LINE
STATION 581+95
SEE SHEET 04-006

NOT INCLUDED IN THIS CONTRACT

NOTES:
1. PROVIDE A CONDUIT STUB AT HANDHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE. SEE IDOT CONTRACT NOS. 62586 AND 62795 FOR LIMITS OF SIDEWALK REPLACEMENT.

REVISIONS	
NAME	DATE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: B. GARNSEY
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		04-005
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: 1"=30'	DATE: 1/20/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th St. TO 47th St. (FRONTAGE ROADS)

STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES

SCALE: 1" = 30'
DATE: February 11, 2005
DRAWN BY: B.T.G.
CHECKED BY: O.L.

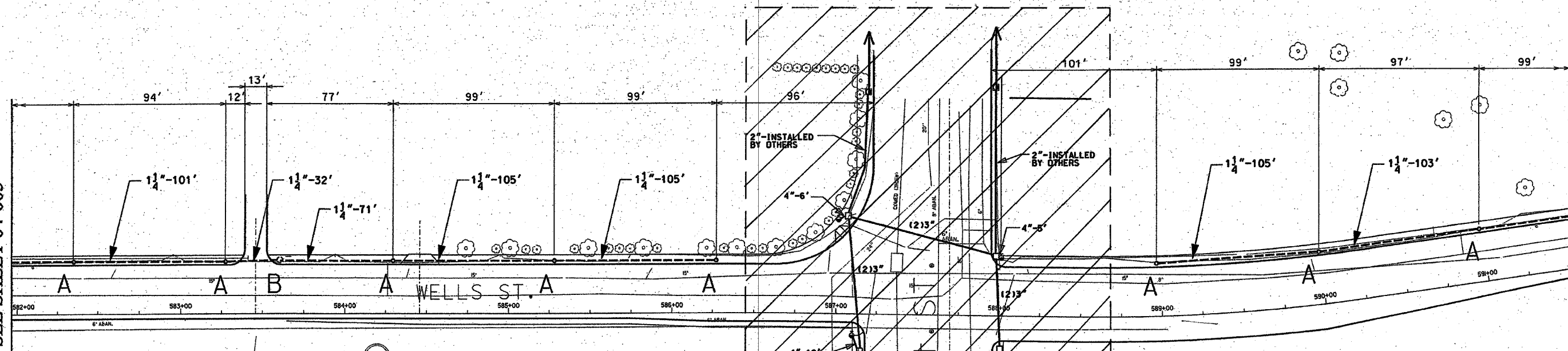
62806



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	24
STA. 581+95		TO STA. 598+40		
FED. ROAD DIST. NO. 1		ILLINOIS		FED AID PROJECTS
* 2.004-067L				

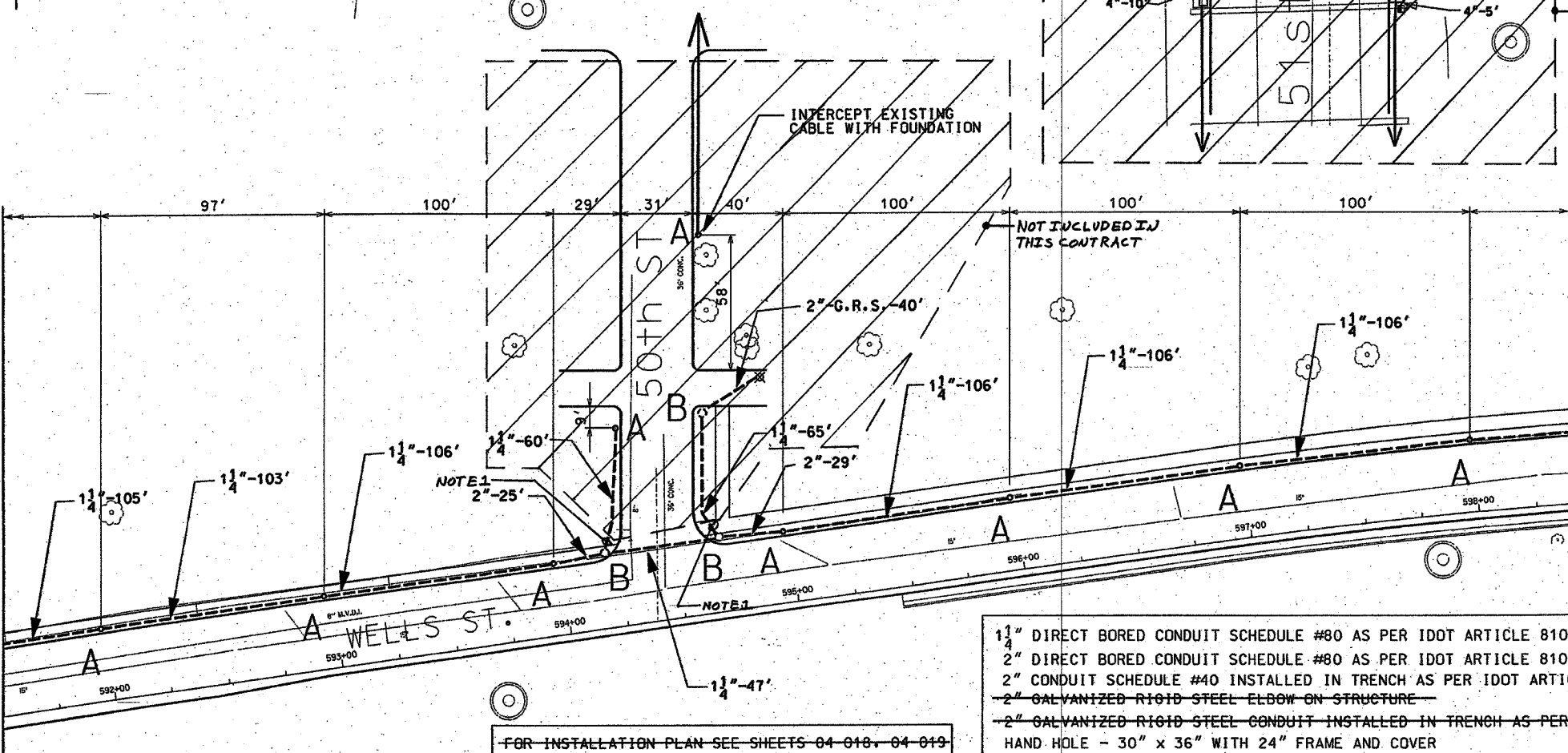
MATCH LINE
STATION 581+95
SEE SHEET 04-005

MATCH LINE
STATION 591+50



MATCH LINE
STATION 591+50

MATCH LINE
STATION 598+40
SEE SHEET 04-007



NOTES: CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:

"A" - INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.

"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER

NOTES:
1. PROVIDE A CONDUIT STUB AT HANDHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE. SEE IDOT CONTRACT NOS. 62586 AND 62795 FOR LIMITS OF SIDEWALK REPLACEMENT.

- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

FOR INSTALLATION PLAN SEE SHEETS 04-018, 04-019
FOR REMOVAL PLAN SEE SHEETS 04-025, 04-026

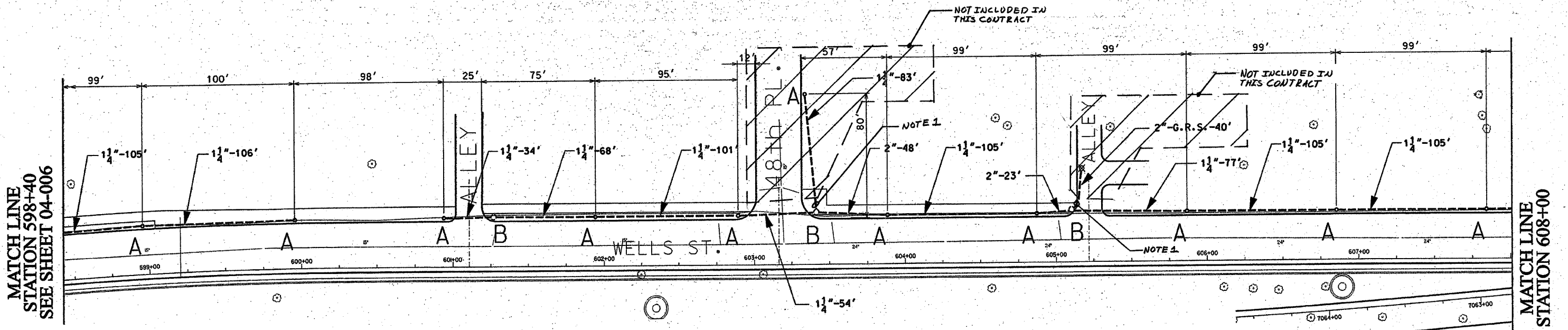
CITY OF CHICAGO		
<small>DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING</small>		
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: B. GARNSEY
SUPERVISING ENGINEER		ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:		DWG. NO.
GEN'L SUPT. OF ELECTRICITY:		04-006
DEPUTY COMMISSIONER:		DATE: 1/20/04
SIZE: 22" 36"	SCALE: 1"=30'	
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 57th St. TO 47th St. (FRONTAGE ROADS)		
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES		
SCALE: 1" = 30'		DRAWN BY: B.T.G.
DATE: February 11, 2005		CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62806



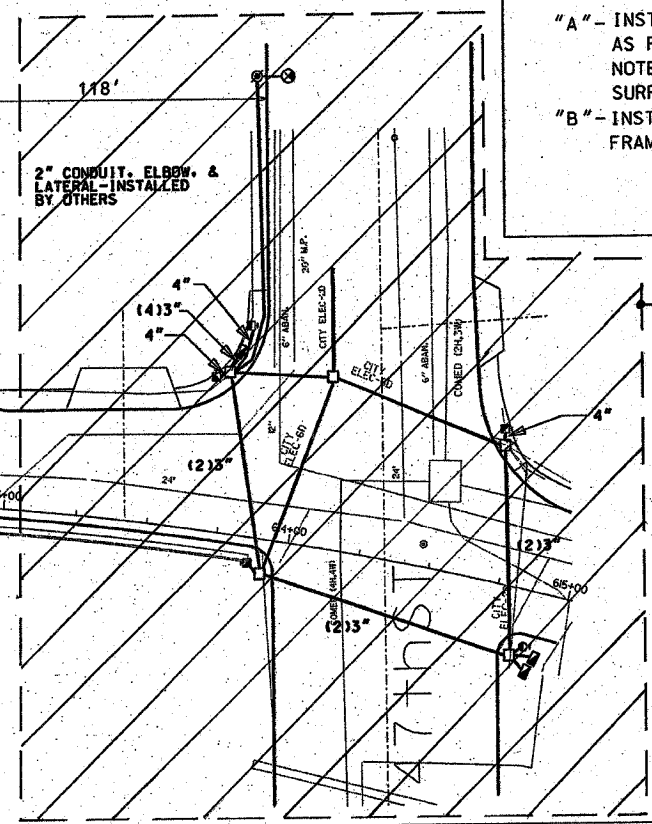
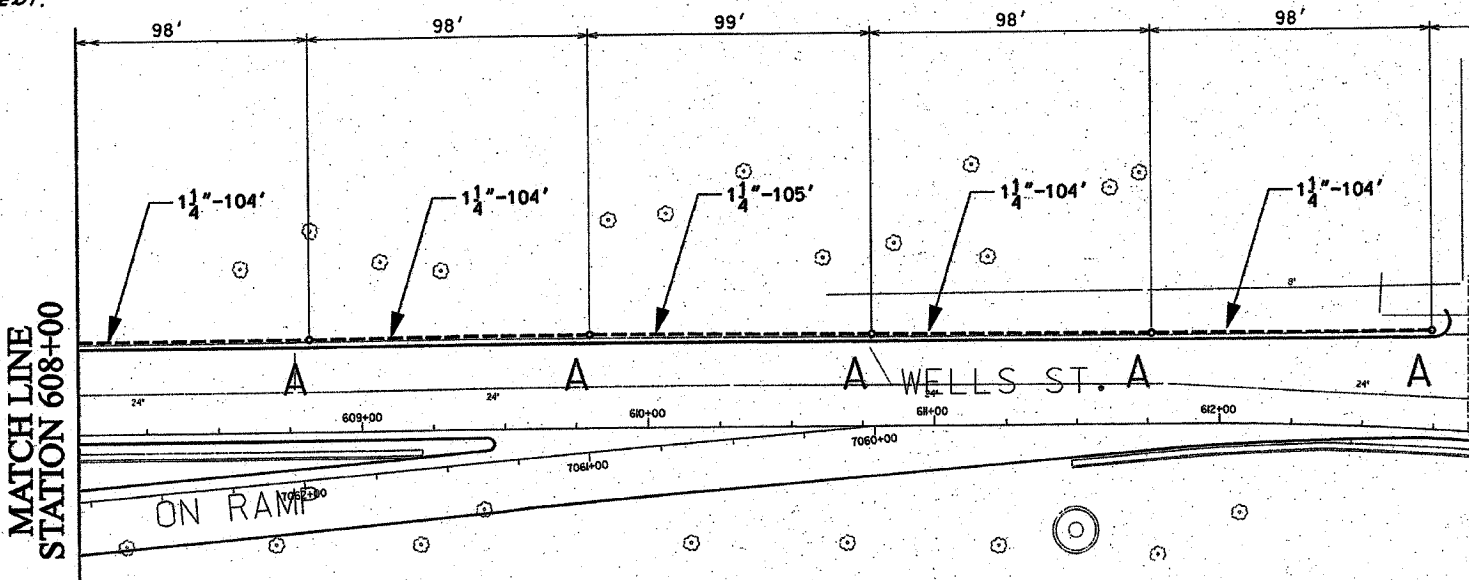
F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	25
STA. 598+00	TO STA. 615+00			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-067L				



NOTES:
 1. PROVIDE A CONDUIT STUB AT HANDHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE. SEE IDOT CONTRACT NOS. 62586 AND 62795 FOR LIMITS OF SIDEWALK REPLACEMENT.

- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- ~~2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE~~
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
- CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

NOTES: CONTRACTOR IS TO INSTALL UNDERGROUND CONDUIT AND PULL ROPE BETWEEN FOUNDATIONS AS WELL AS PERFORM THE FOLLOWING WORK ITEMS ACCORDING TO BUREAU OF ELECTRICITY SPECIFICATIONS:
 "A" - INSTALL 20" x 5' FOUNDATION, 10" B.C., 1" ANCHOR RODS AS PER DRAWING NO. 565, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATIONS FLUSH WITH SIDEWALK SURFACE.
 "B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER



FOR INSTALLATION PLAN SEE SHEET 04-019
 FOR REMOVAL PLAN SEE SHEET 04-026

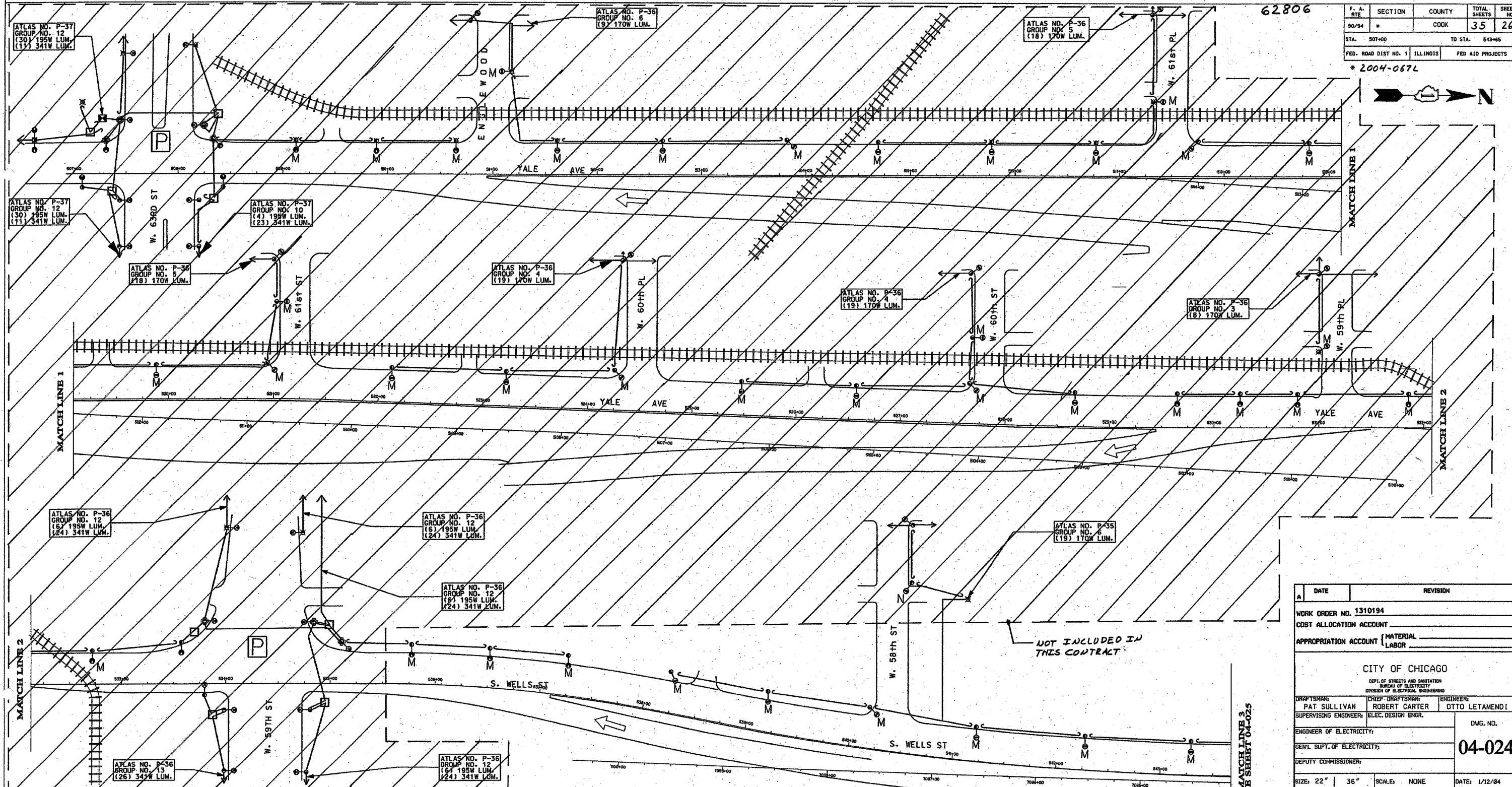
CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION		
BUREAU OF ELECTRICITY		
DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: B. GARNSEY
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		04-007
GEN'L. SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: 1"=30'	DATE: 1/20/04
ILLINOIS DEPARTMENT OF TRANSPORTATION		
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)		
57th St. TO 47th St. (FRONTAGE ROADS)		
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES		
SCALE: 1" = 30'		DRAWN BY: B.T.G.
DATE: February 11, 2005		CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	35	26
STA. 507+00	TO STA. 543+65			
FED. ROAD DIST NO. 1		ILLINOIS	FED AID PROJECTS	

* 2004-067L



NOTES:

- "M" - REMOVE ANCHOR BASE STEEL POLE WITH LUMINAIRE AND MAST ARM. BREAKDOWN FOUNDATION COMPLETE.
- "N" - REMOVE AND RELOCATE EXISTING ANCHOR BASE POLE ON PROPOSED FNDN.
- "P" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS AT INTERSECTION.

FOR UNDERGROUND PLAN SEE SHEETS 04-001, 04-002, 04-003
 FOR INSTALLATION PLAN SEE SHEETS 04-016, 04-017

NOT INCLUDED IN THIS CONTRACT

MATCH LINE 3
SEE SHEET 04-025

A	DATE	REVISION

WORK ORDER NO. 1310194		
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT	MATERIAL LABOR	
CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER
PAT SULLIVAN	ROBERT CARTER	OTTO LETAMENDI
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:	DWG. NO.	
GEN'L SUPT. OF ELECTRICITY:	04-024	
DEPUTY COMMISSIONER:		
SIZE: 22" x 36"	SCALE: NONE	DATE: 1/12/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th St. TO 47th St. (FRONTAGE ROADS)

REMOVAL OF STREET LIGHTING EQUIPMENT

REVISIONS	
NAME	DATE

SCALE: NONE DRAWN BY: P.R.S.
 DATE: February 11, 2005 CHECKED BY: O.L.

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*		COOK	35	27
STA. 543+05		TO STA. 583+15		
FED. ROAD DIST NO. 1		ILLINOIS	FED AID PROJECTS	

* 2004-067L



MATCH LINE 3
SEE SHEET 04-024

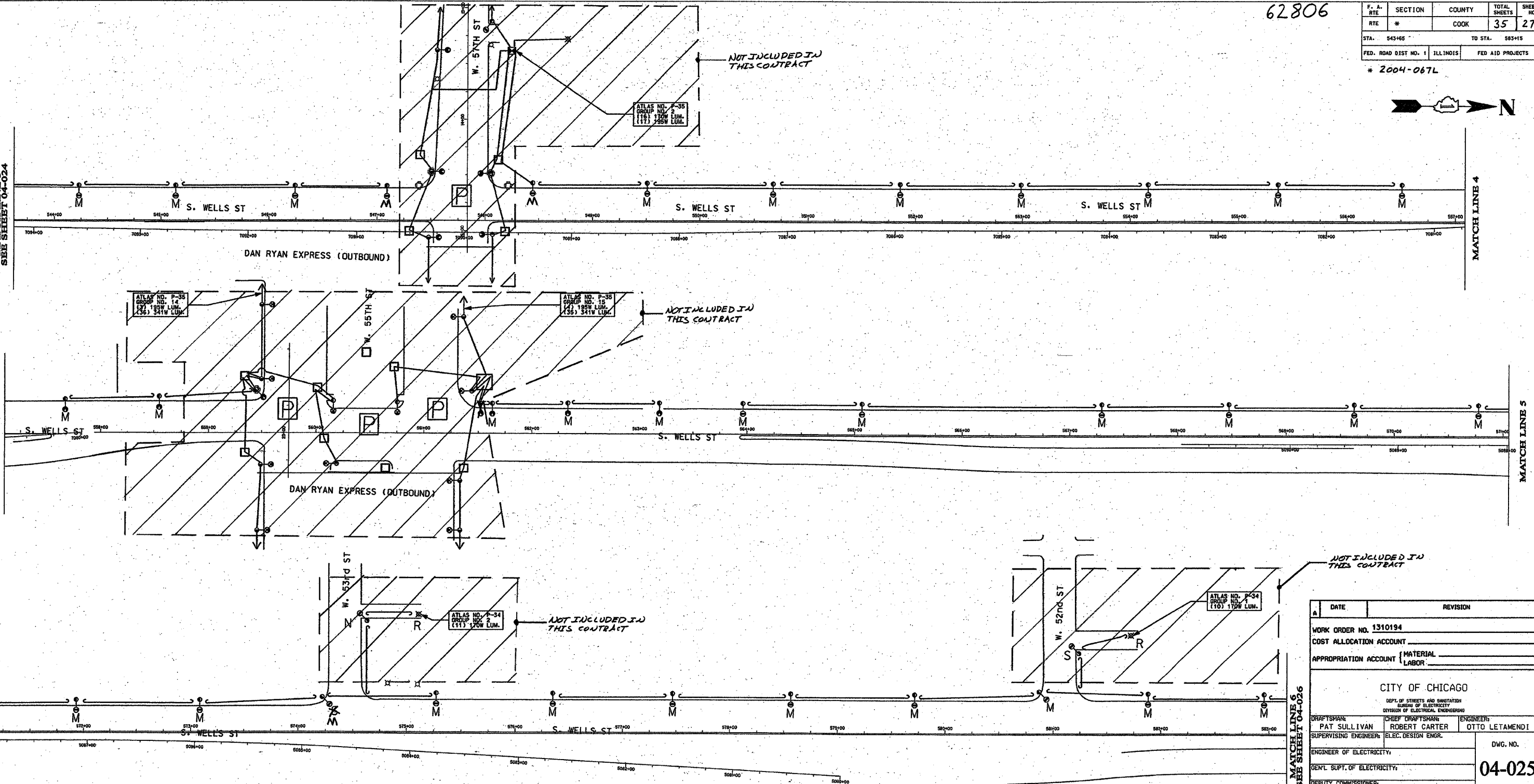
MATCH LINE 4

MATCH LINE 4

MATCH LINE 5

MATCH LINE 5

MATCH LINE 6
SEE SHEET 04-026



NOTES:

- "M" - REMOVE ANCHOR BASE STEEL POLE WITH LUMINAIRE AND MAST ARM. BREAKDOWN FOUNDATION COMPLETE.
- "P" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS AT INTERSECTION.
- "R" - REMOVE RESIDENTIAL STREET LIGHT CONTROLLER.
- "N" - REMOVE AND RELOCATE EXISTING ALUMINUM ANCHOR BASE POLE ON PROPOSED FOUNDATION. SEE DRAWINGS No. 04-005 & 04-010.

FOR UNDERGROUND PLAN SEE SHEETS 04-003, 04-004, 04-005, 04-006
FOR INSTALLATION PLAN SEE SHEETS 04-017, 04-018

REVISIONS	
NAME	DATE

DATE	REVISION
WORK ORDER NO. 1310194	
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT	MATERIAL LABOR
CITY OF CHICAGO	
<small>DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING</small>	
DRAFTSMAN: PAT SULLIVAN	CHIEF DRAFTSMAN: ROBERT CARTER
SUPERVISING ENGINEER:	ENGINEER: OTTO LETAMENDI
ENGINEER OF ELECTRICITY:	DWG. NO.
GEN'L Supt. OF ELECTRICITY:	04-025
DEPUTY COMMISSIONER:	
SIZE: 22" 36"	SCALE: NONE
	DATE: 1/12/84

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th St. TO 47th St. (FRONTAGE ROADS)

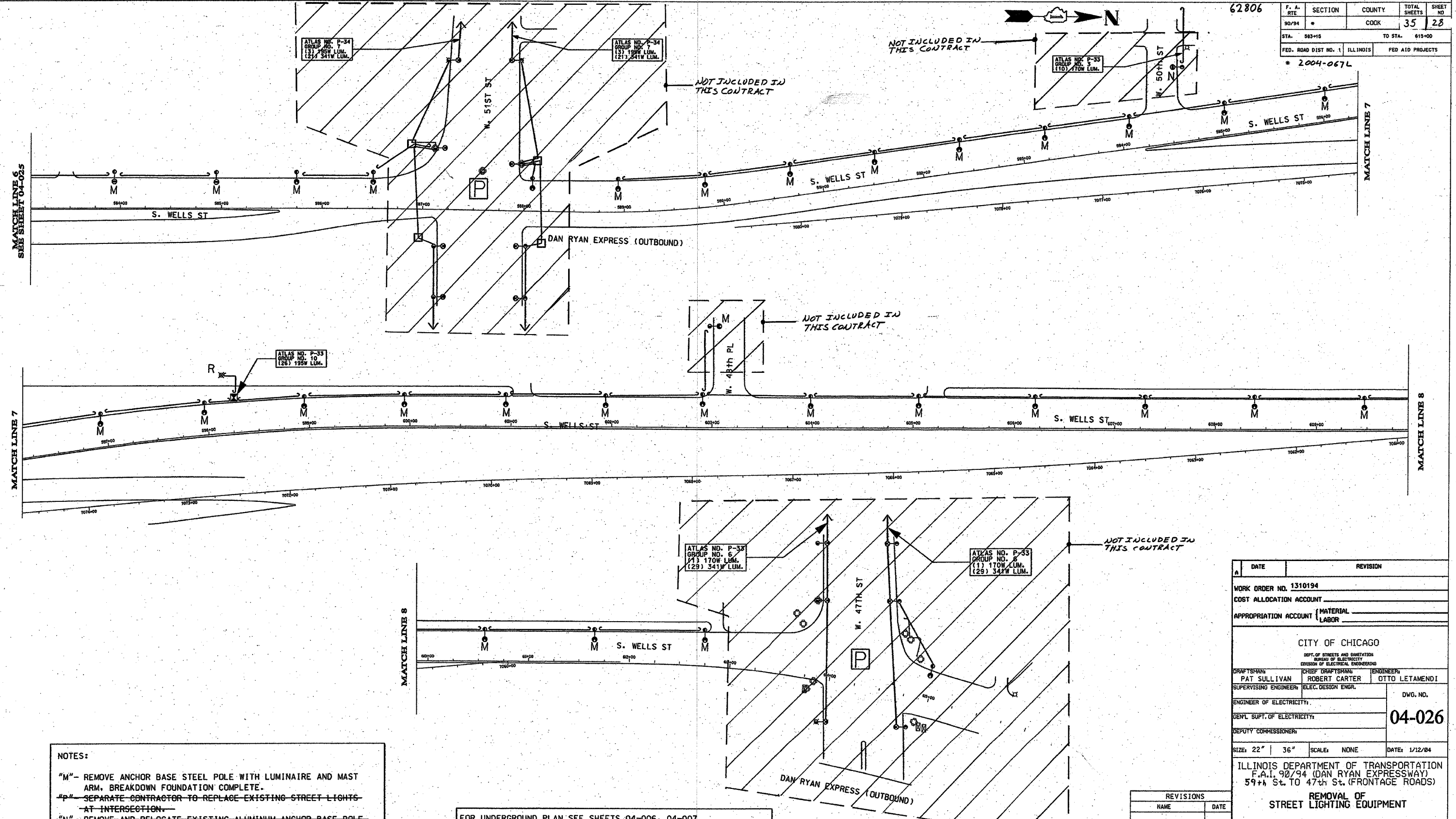
**REMOVAL OF
STREET LIGHTING EQUIPMENT**

SCALE: NONE DRAWN BY: P.R.S.
DATE: February 11, 2005 CHECKED BY: O.L.

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	28
STA. 583+15	TO STA. 613+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		

* 2004-067L



MATCH LINE 6
SEE SHEET 04-025

MATCH LINE 7

MATCH LINE 7

MATCH LINE 8

MATCH LINE 8

NOTES:

- "M" - REMOVE ANCHOR BASE STEEL POLE WITH LUMINAIRE AND MAST ARM. BREAKDOWN FOUNDATION COMPLETE.
- "P" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS AT INTERSECTION.
- "N" - REMOVE AND RELOCATE EXISTING ALUMINUM ANCHOR BASE POLE ON PROPOSED FOUNDATION. SEE DRAWINGS NO. 04-006 & 04-019.
- "R" - REMOVE STREET LIGHT CONTROLLER

FOR UNDERGROUND PLAN SEE SHEETS 04-006, 04-007
FOR INSTALLATION PLAN SEE SHEETS 04-018, 04-019

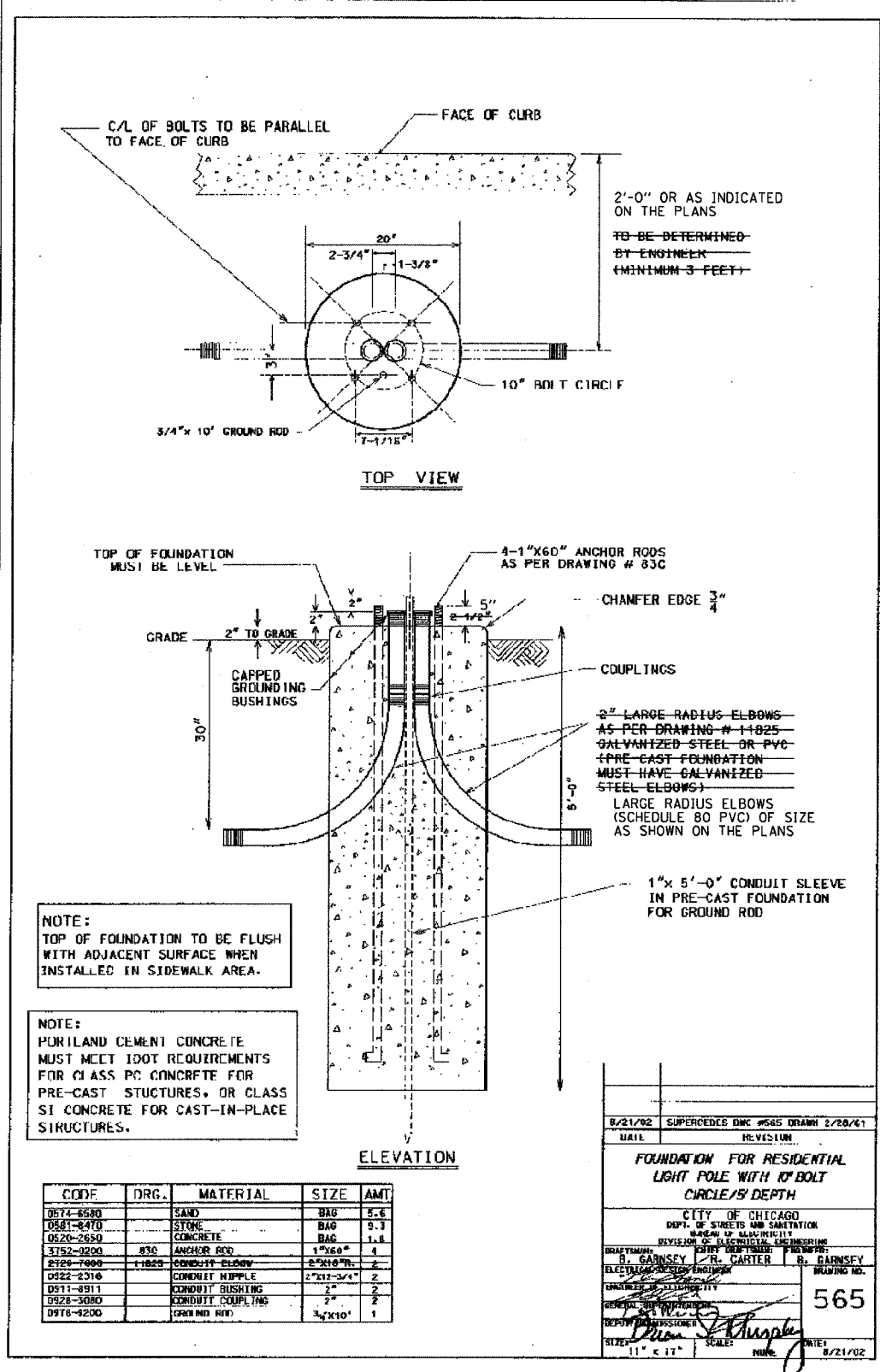
REVISIONS	
NAME	DATE

A	DATE	REVISION
WORK ORDER NO. 1310194		
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT MATERIAL LABOR		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN: PAT SULLIVAN	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: OTTO LETAMENDI
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 04-026
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: NONE	DATE: 1/12/04
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 59th St. TO 47th St. (FRONTAGE ROADS)		
REMOVAL OF STREET LIGHTING EQUIPMENT		
SCALE: NONE		DRAWN BY: P.R.S.
DATE: February 11, 2005		CHECKED BY: O.L.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	29
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				

NOTES:

- BOE STANDARD 565 MODIFIED BY CTE. THE INSTALLATION OF FOUNDATION FOR RESIDENTIAL LIGHT POLE WITH 10" BOLT CIRCLE / 5' DEPTH SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK.



CODE	DRG.	MATERIAL	SIZE	AMT
0574-6580		SAND	BAG	5.6
0581-8470		STONE	BAG	9.3
0520-2650		CONCRETE	BAG	1.8
3752-9200	830	ANCHOR ROD	1"x60"	4
5125-7999	11825	CONDUIT ELBOW	2"x10"	2
0522-2316		CONDUIT NIPPLE	2"x10-3/4"	2
0511-8911		CONDUIT BUSHING	2"	2
0528-3080		CONDUIT COUPLING	2"	2
0918-4200		GROUND ROD	3/4"x10"	1

8/21/02 SUPERCEDES DMC #565 DRAWN 2/28/01

DATE REVISION

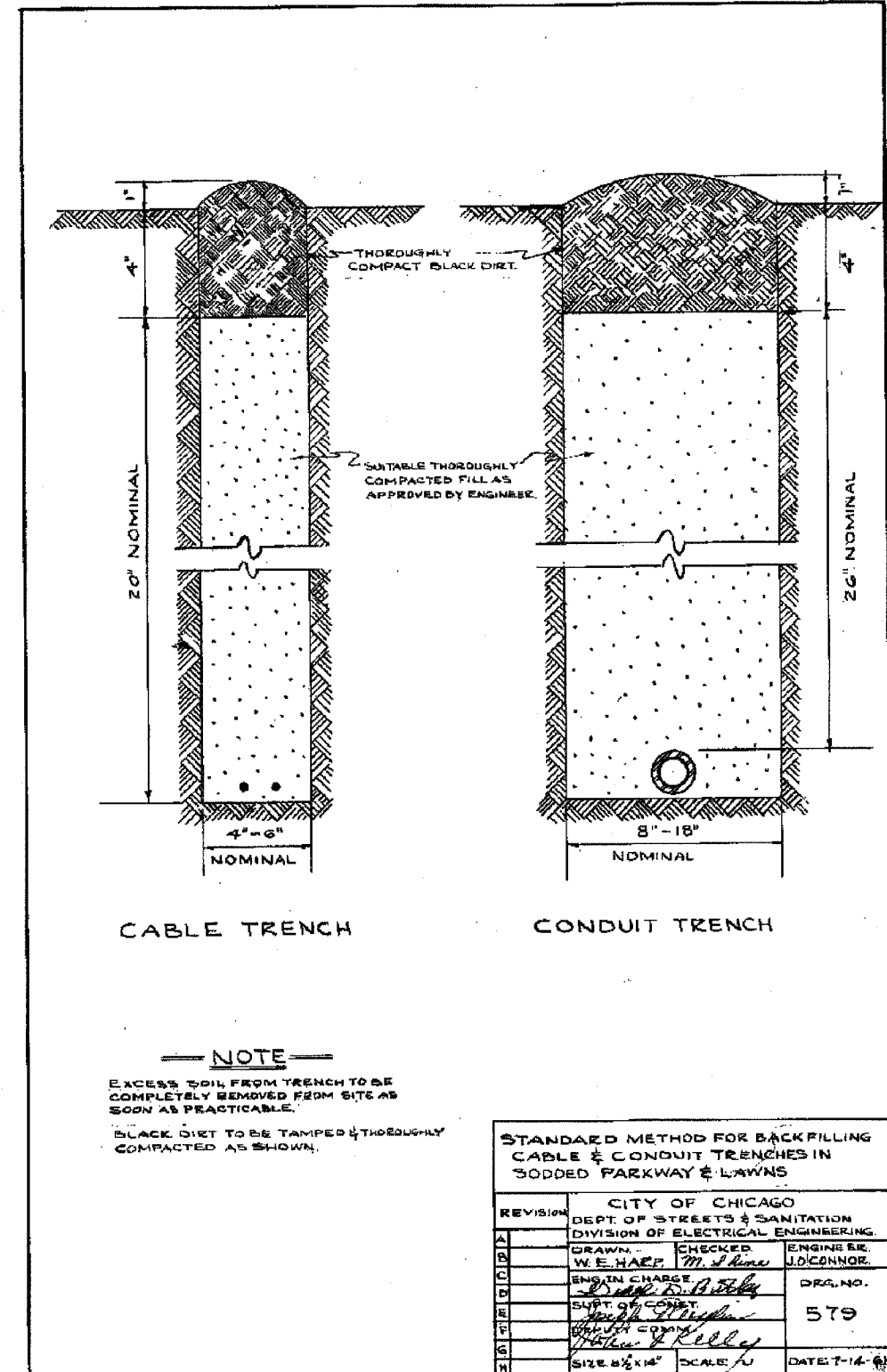
FOUNDATION FOR RESIDENTIAL LIGHT POLE WITH 10" BOLT CIRCLE / 5' DEPTH

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN BY: B. GAINSEY
CHECKED BY: M. J. RICE
ENGINEER: J. JOHNSON

PROJECT NO. 565

DATE: 8/21/02



STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN BY: W. E. HARRIS
CHECKED BY: M. J. RICE
ENGINEER: J. JOHNSON

PROJECT NO. 579

DATE: 7-14-01

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

BOE STANDARD DETAILS

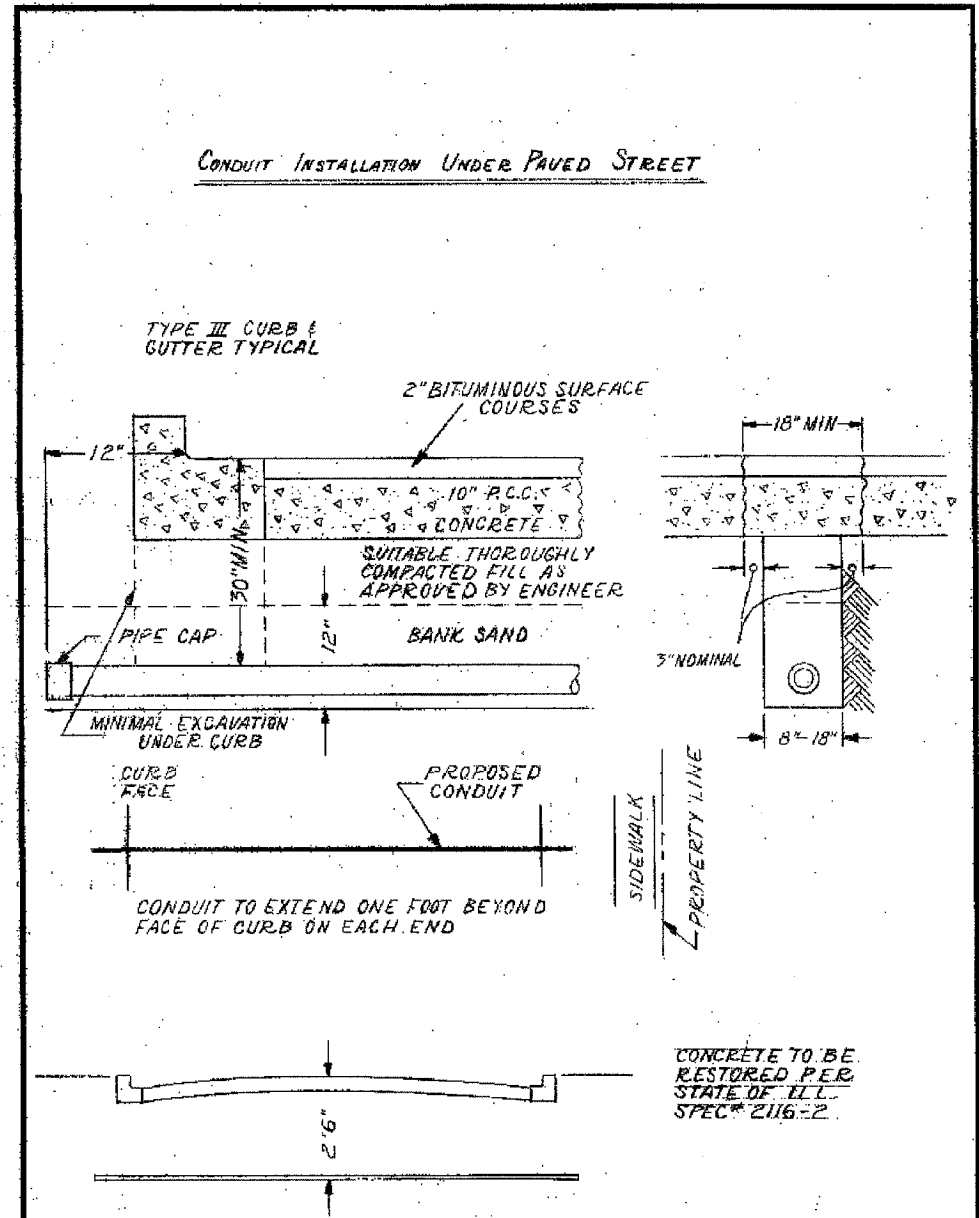
SCALE: NONE
DATE: February 11, 2005

DRAWN BY: HAR
CHECKED BY: WDS

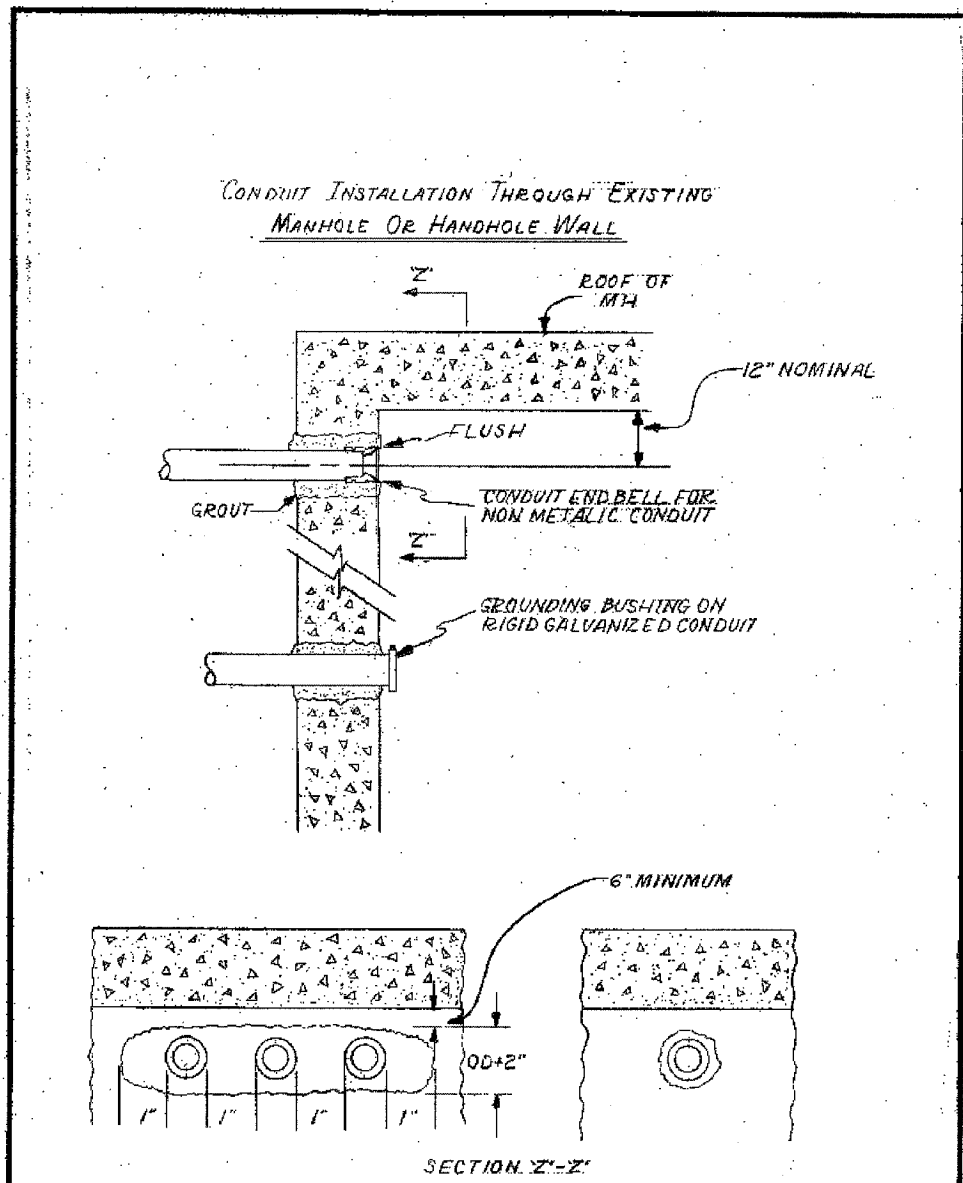
V:\elect\717\VP40468\VP40468\CTE\CONTRACT\9812\BOE099\2002\29

02/02/2005 09:02:28 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	30
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN A.M. JOHNSON	CHECKED R. SYCOWSKI	ENGINEER R.L. MARTIN
<i>Thomas Wildoff</i> ENGINEER OF ELECTRICITY		813
<i>Charles E. Bentley</i> SUPERVISOR		
SCALE 8 1/2" X 14"	DATE 1/11/05	



OPENING THROUGH WALL TO BE KEPT TO MINIMUM SIZE TO ADMIT CONDUIT AND SUFFICIENT GROUT TO ASSURE SEALING WALL.

INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN A.M. JOHNSON	CHECKED R. SYCOWSKI	ENGINEER R.L. MARTIN
<i>Thomas Wildoff</i> ENGINEER OF ELECTRICITY		814
<i>Charles E. Bentley</i> SUPERVISOR		
SCALE 8 1/2" X 14"	DATE 1/11/05	

REVISIONS	
NAME	DATE

\\cfech-nf\p40468\p40468\elec\N4-cml\9\sh\contract\912\boe09120022a.dwg 02/02/2005 09:02:33 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	31
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62806				

PROPOSED PRESENT

- ➤ SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
- ➤ SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
- * * SIGNAL OPTICALLY PROGRAMMED
- ⊞ ⊞ SIGNAL, PEDESTRIAN, DON'T WALK/WALK
- ➤ SIGNAL FACE ARROW, 12" COLOR AS NOTED
- ➤ SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
- ⊙ ⊙ PUSH BUTTON, PEDESTRIAN
- ⊞ ⊞ SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
- ⊞ ⊞ MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
- ⊞ ⊞ MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
- ⊞ ⊞ CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
- ⊞ ⊞ CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
- ⊞ ⊞ CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
- ⊞ ⊞ POLE, WOOD, COMMONWEALTH EDISON COMPANY, SERVICE
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DIA. AND 15" B.C. 24"X7" FND. W/1 1/4" ANCHOR RODS DRG. #818.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"X9" FND. W/1 1/4" ANCHOR RODS DRG. #818 (16', 20' or 26' M.A.)
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 11" DIA. AND 17 1/4" B.C. 30"X9" FND. W/1 1/4" ANCHOR RODS DRG. #816. (130' M.A.)
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"X11" FND. W/1 1/2" ANCHOR RODS DRG. #817. (135', 40' or 44' M.A.)
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B.C. ON 30"X9" FND. W/ 1 1/4" ANCHOR RODS DRG. #816.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #719.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 7 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 20', 27'-6", 29'-6" 3 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DRG. #11408B.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DRG. #753.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"X7" WITH 1" ANCHOR RODS DRG. #691.
- ⊞ ⊞ POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"X7" WITH 1" ANCHOR RODS DRG. #691.
- ⊞ ⊞ POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
- ⊞ ⊞ POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
- ⊞ ⊞ POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
- ⊞ ⊞ POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
- ⊞ ⊞ COLUMN, ELEVATED STRUCTURE
- ⊞ ⊞ POLE, WOOD. (SIZE AS NOTED)
- ⊞ ⊞ POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)
- ⊞ ⊞ POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS

PROPOSED PRESENT

- ⊞ ⊞ HANDHOLE, HEAVY DUTY, 36" I.D. (DWG. #866)
- ⊞ ⊞ HANDHOLE, CIRCULAR WITH 24" FRAME & COVER, 30" I.D. (#867)
- ⊞ ⊞ MANHOLE, CITY 3'X4'X4' DWG. #729 or 730; 4'X6'X6' DWG. #732 or 733.
- ⊞ ⊞ FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C. 20"X5' (DWG. #709)
- ⊞ ⊞ FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
- ⊞ ⊞ FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
- ⊞ ⊞ FOUNDATION, CONTROLLER STREET LIGHT, SPECIAL. 100A & 200A. (DWG. #876 & # 880)
- ⊞ ⊞ FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG. # 583 & #891)
- ⊞ ⊞ CONTROLLER, UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
- ⊞ ⊞ MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL. BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A; S=SEWER
- ⊞ ⊞ JUNCTION BOX, IN PAVEMENT (DWG. #815)
- ⊞ ⊞ DETECTOR LOOP IN PAVEMENT
- ⊞ ⊞ CONDUIT or P.V.C., NUMBER, SIZE & TYPE. (AS NOTED)
- ⊞ ⊞ CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 310W LAMP, 240V
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 150W LAMP, 240V
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 150W LAMP, 120V
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 250W LAMP, 120V. (ALLEY LIGHT)
- ⊞ ⊞ LUMINAIRE, H.P.S.V. 250W LAMP, 120V
- ⊞ ⊞ TERMINAL, CABINET F.A. & P.C.
- ⊞ ⊞ FIRE ALARM BOX, MOUNTED
- ⊞ ⊞ FIRE ALARM BOX, POLE MOUNTED
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL, 10/C-#12 600V. EPR IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL, 14/C-#14, 600V. EPR IN CONDUIT
- ⊞ ⊞ CABLE, TRAFFIC SIGNAL, 19/C-#12 600V. EPR IN CONDUIT
- ⊞ ⊞ CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
- ⊞ ⊞ CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
- ⊞ ⊞ CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
- ⊞ ⊞ CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
- ⊞ ⊞ WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
- ⊞ ⊞ WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
- ⊞ ⊞ CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
- ⊞ ⊞ WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
- ⊞ ⊞ CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
- ⊞ ⊞ CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
- ⊞ ⊞ CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
- ⊞ ⊞ DOWNLIGHT ASSEMBLY. (DWG. #850)
- ⊞ ⊞ LIGHT, TRAFFIC SAFETY ISLAND
- ⊞ ⊞ FLASHING BEACON & DOWNLIGHT

ORNAMENTAL LUMINAIRES

PROPOSED	EXISTING	
⊞	⊞	310W PENDANT (240V)
⊞	⊞	400W PENDANT (240V)
⊞	⊞	250W PENDANT (240V)
⊞	⊞	150W ACORN (120V)
⊞	⊞	150W ACORN (240V)
⊞	⊞	50W ACORN (240V)
⊞	⊞	100W ACORN (240V)
⊞	⊞	150W GLOBE (240V)
⊞	⊞	100W GLOBE (240V)
⊞	⊞	50W GLOBE (240V)

C 04-01-02	REVISED/REDRAW	R. POOL/B.I.
B 12-4-01	ADDED ORNAMENTAL SYMBOLS	
A 8-6-96	REDRAWN	
DATE	REVISION	
STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING		
CITY OF CHICAGO DEPT. OF STREET AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN R. IVY	CHIEF DRAFTSMAN R. CARTER	ENGINEER R. POOL/R.C/W.T.
SUPERVISING ENGINEER	ELEC. DESIGNER	DWG. NO.
		826
DEPT. OF CONSTRUCTION		
DEPUTY COMMISSIONER		
SIZE: 22" 36" SCALE	DATE:	

BOE-3

REVISIONS	
NAME	DATE

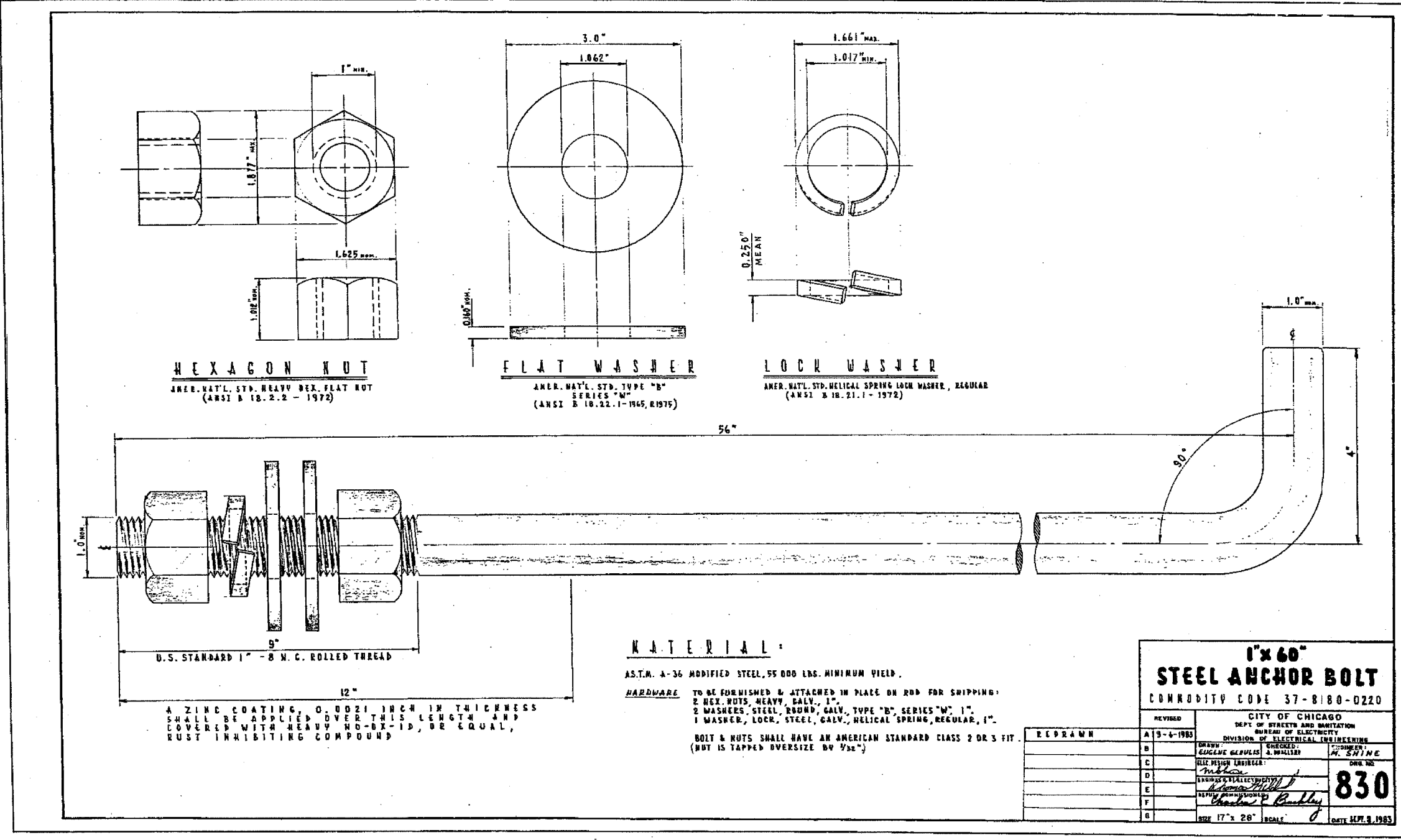
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

BOE STANDARD DETAILS

SCALE: NONE DRAWN BY: HAR
DATE: February 11, 2005 CHECKED BY: WDS



I:\elect\nt\p\40468\p40468elec\4-ent\9517\contract\9512\boe031\20032a.dwg



HEXAGON NUT
 AMER. NAT'L. STD. HEAVY HEX. FLAT NUT
 (ANSI & B 18.2.2 - 1972)

FLAT WASHER
 AMER. NAT'L. STD. TYPE "B"
 SERIES "W"
 (ANSI & B 18.22.1-1945, R1975)

LOCK WASHER
 AMER. NAT'L. STD. HELICAL SPRING LOCK WASHER, REGULAR
 (ANSI & B 18.21.1 - 1972)

MATERIAL:

ASTM A-36 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.
HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
 2 HEX. NUTS, HEAVY, GALV., 1".
 2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1".
 1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1".
 BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
 (NUT IS TAPPED OVERSIZE BY 1/32")

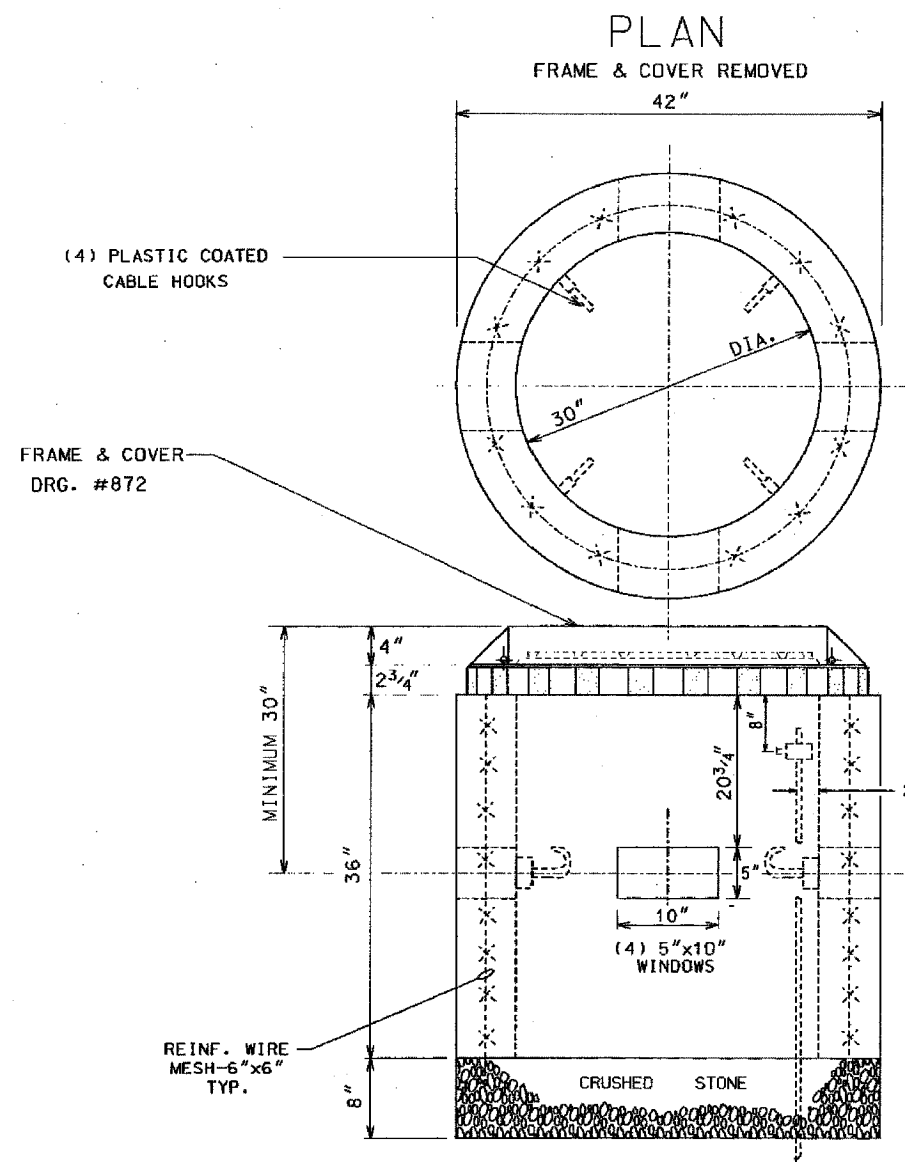
1" x 60"
STEEL ANCHOR BOLT
 CONMODITY CODE 37-8180-0220

REVISED	CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICAL ENGINEERING	
A 9-4-1983	DRAWN EUGENE GERULIS	CHECKED A. WALLACE
B	DESIGN ENGINEER	DATE M. SHINE
C	ENGINEER IN CHARGE	
D	SUPERVISOR	
E	DEPUTY SUPERVISOR	
F	DEPUTY SUPERVISOR	
G	SIZE 17" x 26"	SCALE 1/8" = 1'-0"

830
 DATE: SEP. 9, 1983

REVISIONS	
NAME	DATE

02/02/2005 09:02:37 AM



COMPLETE COMMODITY CODE NO. 05-6610-5310M

CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5310	PRE-CAST HANDHOLE	30"X36"	1
(2) 05-9075-5470	STONE 3/4" CRUSHED	BAG	5
(2) 05-5082-5330	SONO TUBE	30"	1
(2) 05-5082-5342	SONO TUBE	42"	1
(2) 05-3267-2940	CONC. REDI-MIX	CU. YD.	1/2
(2) 57-0770-0000	6" X 6" MESH	36"X10'	1
05-1452-9720	BRICK		24
02-4299-5524	FRAME MANHOLE	24"	1
02-4574-5040	COVER, MANHOLE	24"	1
09-7796-9312	GROUND ROD	3/4"X12'	1
09-2630-3240	GROUND CLAMP		1

- (1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCKOUTS.
- (2) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.

CONSTRUCTION NOTES:

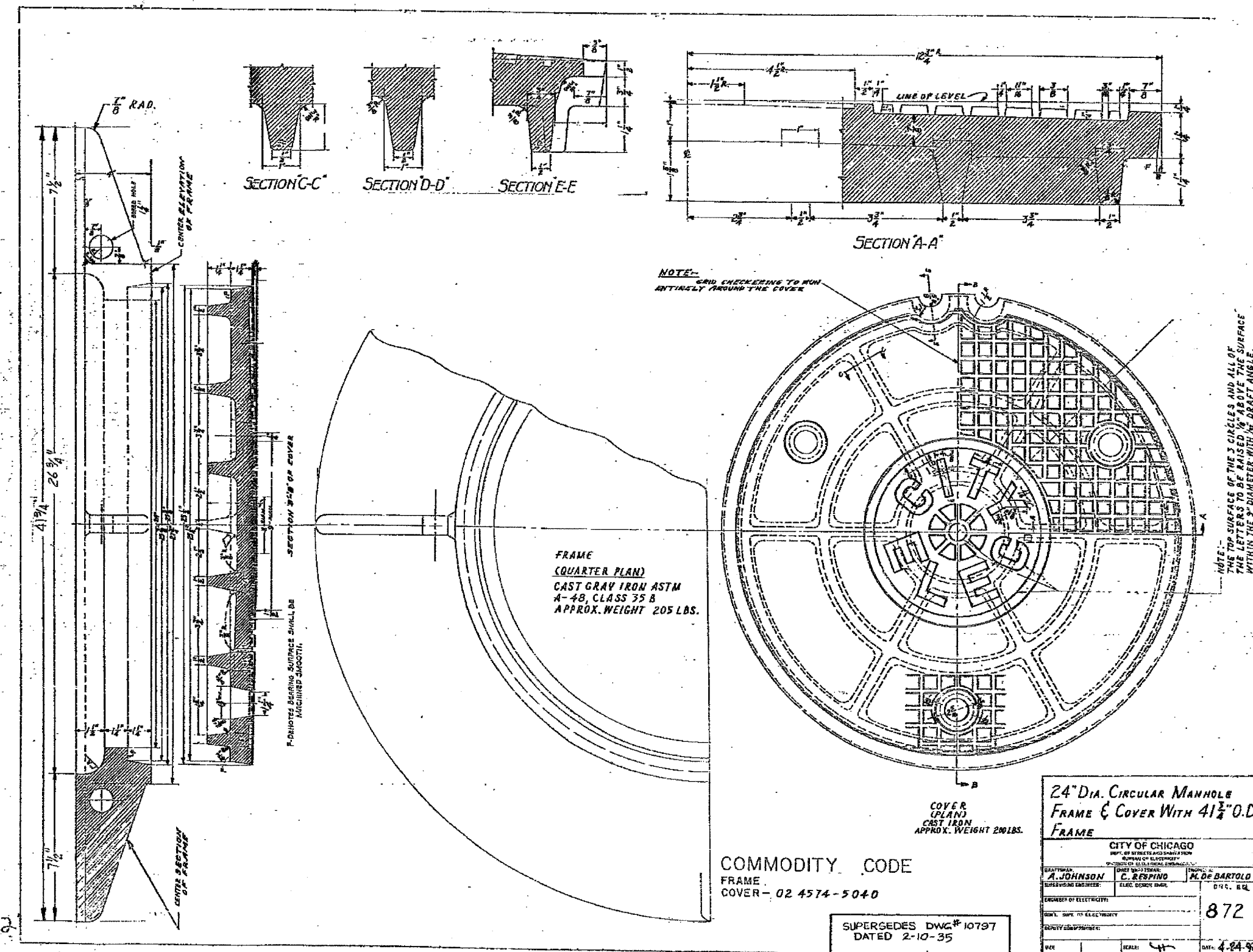
- 8" BED OF STONE FOR DRAINAGE.
- ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	ERC/RJD
A	12-8-95	REDRAW (CAD)	MP
	DATE	REVISION	
30" DIA. CONCRETE HANDHOLE			
CITY OF CHICAGO			
DEPT. OF PUBLIC WORKS DIVISION OF ELECTRICITY DIVISION OF UTILITIES - TRANSMISSION			
DRAFTSMAN	ENGINEER	INCHARGE	TITLE
M. PATTON	B. CARTER	DEBARTOLO	
SUPERVISING ENGINEER			U.M.E. NO.
DEPT. COMMISSIONER			867
SIZE: 11"	SCALE: NONE	DATE: 12-8-95	

REVISIONS	
NAME	DATE

02/02/2005 09:02:38 AM \\p01ch66\p40468\elec\4-ent\93\contract\93\2005\20052a.dwg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	34
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62806				



FRAME
(QUARTER PLAN)
CAST GRAY IRON ASTM
A-48, CLASS 35 B
APPROX. WEIGHT 205 LBS.

COVER
(PLAN)
CAST IRON
APPROX. WEIGHT 20 LBS.

24" DIA. CIRCULAR MANHOLE
FRAME & COVER WITH 41 1/2" O.D.
FRAME

COMMODITY CODE
FRAME
COVER - 02 4574-5040

SUPERSEDES DWG #10797
DATED 2-10-35

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY OFFICE OF ELECTRICAL DESIGN		
DESIGNED BY A. JOHNSON SUPERVISING ENGINEER	CHECKED BY C. RESPINO ELECT. DESIGN INSP.	IN CHARGE M. DE BARTOLO D. H. C. B. C.
DRAWING NO. 872		DATE: 4-24-92

REVISIONS	
NAME	DATE

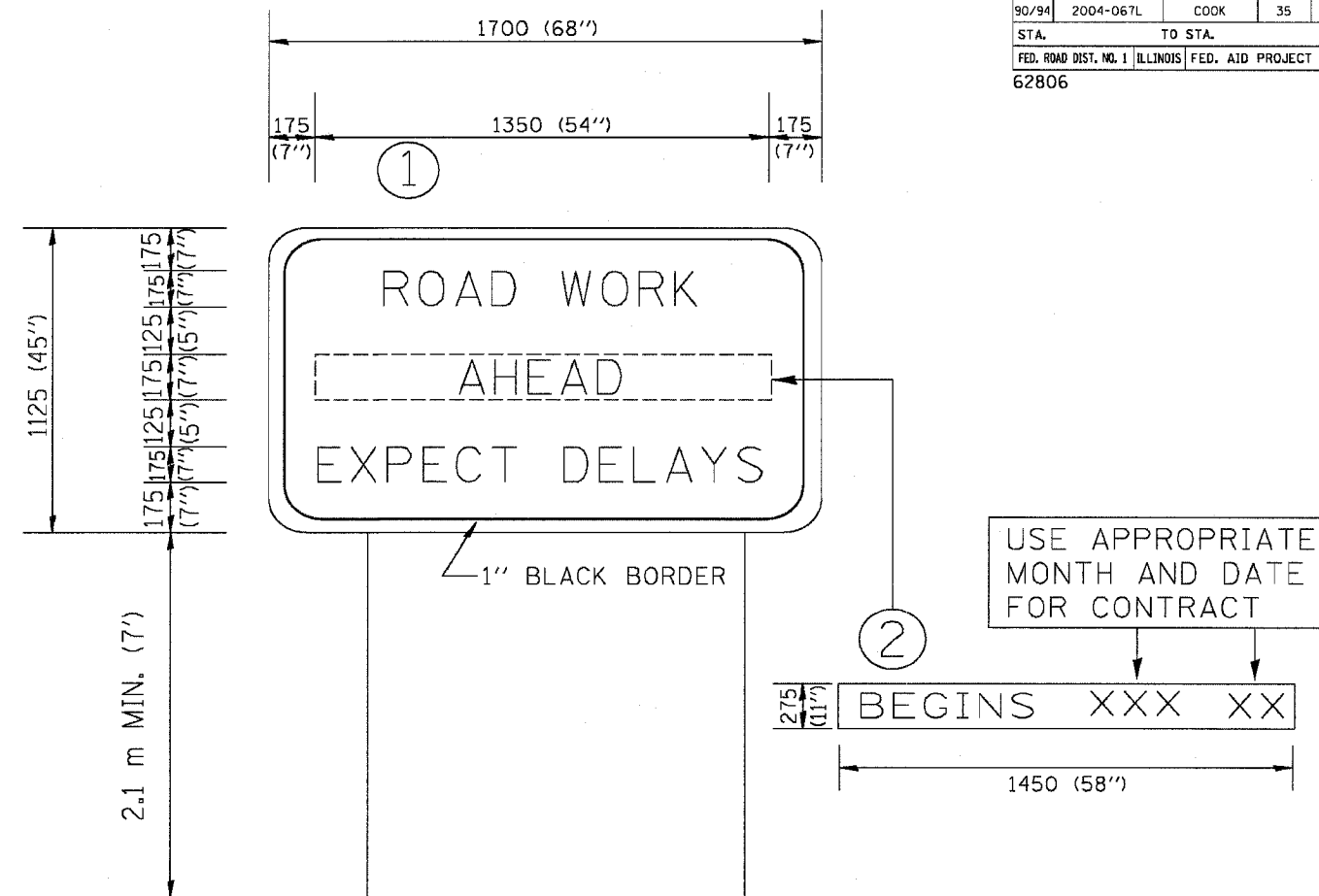
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET

BOE STANDARD DETAILS

SCALE: NONE
DATE: February 11, 2005

DRAWN BY: HAR
CHECKED BY: WDS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	35
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62806				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

SCALE:
DATE 10/18/2002

DRAWN BY: BJR. OF DESIGN
CHECKED BY:

TC22
REVISION DATE: 02/02/99