

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	1

D-91-419-01

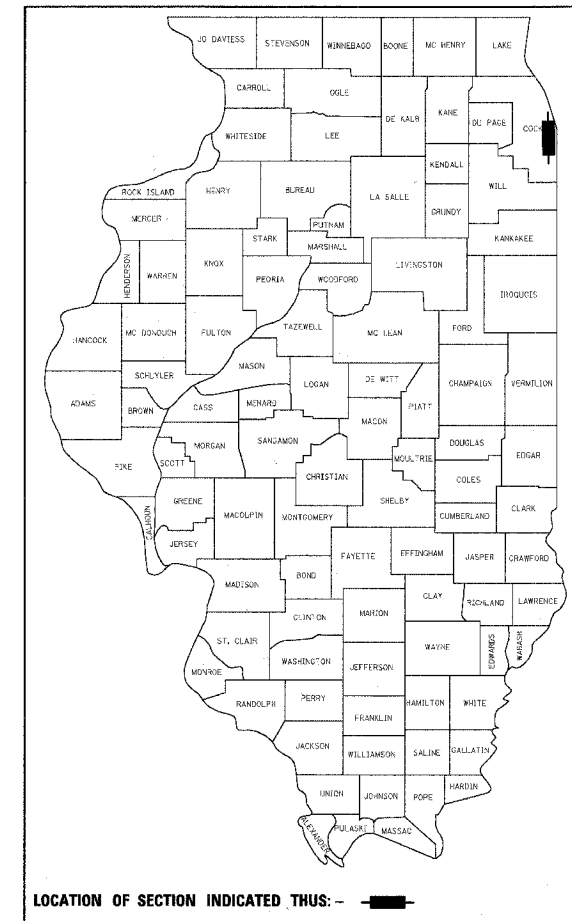
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTION 2004-068L

PROJECT: IM-094-3(387)057

59th ST TO 47th ST (FRONTAGE ROADS)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WENTWORTH AVENUE
COOK COUNTY
C-91-292-04



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
26-29	REMOVAL OF STREET LIGHTING EQUIPMENT
30-36	BOE STANDARD DETAILS
37	TEMPORARY INFORMATION SIGNING

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

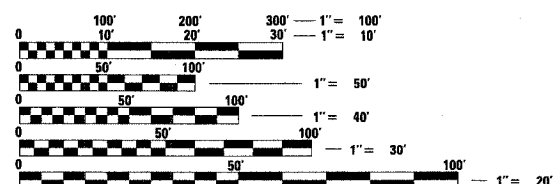
PROJECT LOCATED IN CITY OF CHICAGO

DESIGN DESIGNATION

WENTWORTH AVE: 6259 (20) URBAN COLLECTOR

ADT (2020)	DESIGN SPEED	POSTED SPEED
11,000	30	25

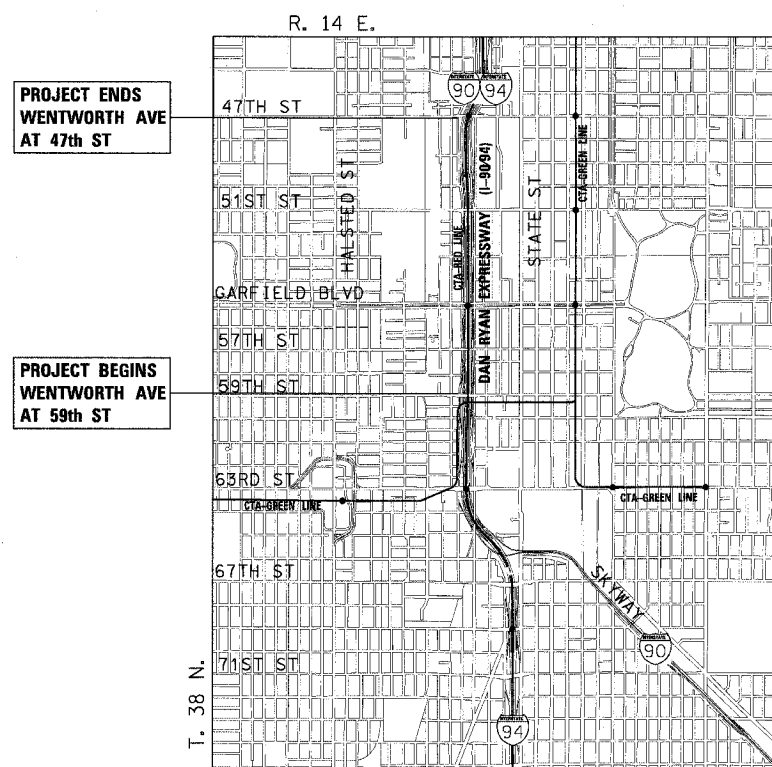
FRONTAGE ROADS:
WENTWORTH AVE 11,000 30 25



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. 62807



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 2-2-08 DATE



James P. Coleman
20-29
SHEET NOS. 11-30-05 EXPIRES 02-02-2005 DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 9, 20 05
Dina O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 25, 20 05
Mike Nune
ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 20 05
Victor Modest
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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

62807

GENERAL NOTES:

- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH IDOT CONTRACT NOS.
62586 - RECONSTRUCTION OF FRONTAGE ROADS, RETAINING WALLS, 57th STREET BRIDGE, AND RAMPS BETWEEN 59th STREET AND 47th STREET
62693 - RECONSTRUCTION OF FRONTAGE ROADS, RETAINING WALLS, AND RAMPS BETWEEN 63rd STREET AND 59th STREET
62796 - SIDEWALK AND DRIVEWAYS - WENTWORTH AVENUE FROM 59th STREET TO 47th STREET
62798 - FRONTAGE ROAD SIGNING - WELLS STREET AND WENTWORTH AVENUE FROM 59th STREET TO 47th STREET
62801 - TRAFFIC SIGNALS AT 57th STREET AND WENTWORTH AVENUE/WELLS STREET
62802 - TRAFFIC SIGNALS AT 55th STREET AND WENTWORTH AVENUE/WELLS STREET
62803 - TRAFFIC SIGNALS AT 51st STREET AND WENTWORTH AVENUE/WELLS STREET
62804 - TRAFFIC SIGNALS AT 47th STREET WITH WENTWORTH AVENUE - LASALLE STREET AND WELLS STREET - WENTWORTH AVENUE
62809 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WENTWORTH AVENUE FROM 53rd STREET TO 51st STREET
62811 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WENTWORTH AVENUE 51st STREET TO 47th STREET
62812 - FRONTAGE ROAD PAVING AND COMBINED SEWER - 51st STREET AND WENTWORTH AVENUE/WELLS STREET
62814 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WENTWORTH AVENUE FROM 59th STREET TO 57th STREET
62839 - TRAFFIC SIGNALS AT 59th STREET AND WENTWORTH AVENUE/WELLS STREET
- THE WORK IN THIS CONTRACT SHALL BE INSTALLED WITHIN THE MAINTENANCE OF TRAFFIC PROVIDED IN THE IDOT CONTRACTS LISTED ABOVE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH OTHER CONTRACTS AND PROVIDE ANY ADDITIONAL MAINTENANCE OF TRAFFIC AS NECESSARY.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF R.O.W. MARKERS SHALL REMAIN UNDISTURBED.
- ALL ELEVATIONS SHOWN ARE BASED ON THE CHICAGO CITY DATUM. THE CONVERSION FACTOR FROM CCD TO NAVD 88 IS: NAVD 88 ELEVATION = CCD + 579.19.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THIS CONTRACT DOES NOT INCLUDE QUANTITIES FOR THE PAY ITEMS "SOIL STABILIZERS" AND "APPLYING DUST SUPPRESSION AGENTS". IT HAS BEEN DETERMINED THAT THESE ITEMS ARE NOT NEEDED FOR THE WORK ASSOCIATED WITH THIS CONTRACT. IF THE ENGINEER DETERMINES THAT THIS WORK IS NECESSARY, PAYMENT SHALL BE MADE IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- ALL WORK MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST CHICAGO ELECTRICAL CODE RULES AND ORDINANCES, CITY OF CHICAGO DEPARTMENT OF ELECTRICAL WIRING AND COMMUNICATIONS REQUIREMENTS, BUREAU OF BRIDGES, AND CHICAGO BUREAU OF ELECTRICITY (BOE) STANDARDS, DRAWINGS, DETAILS AND ALL APPLICABLE SPECIFICATIONS/REQUIREMENTS FOR COMPLETE AND APPROVED ROADWAY AND UNDERPASS LIGHTING INSTALLATIONS.
- ALL INFORMATION FOR EXISTING ITEMS SHOWN ON THE DRAWINGS ARE BASED ON FIELD OBSERVATIONS AND/OR AVAILABLE DOCUMENTS, AND ARE NOT GUARANTEED TO BE COMPLETE AND/OR TOTALLY ACCURATE. THE CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS AND EQUIPMENT LOCATIONS IN THE FIELD PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK AS PART OF THIS CONTRACT. INCLUDE IN THE PROPOSAL ANY RELOCATION OR ALTERATION OF EXISTING ELECTRICAL SYSTEMS, EQUIPMENT OR COMPONENTS WHICH ARE REQUIRED TO CLEAR THE NEW CONSTRUCTION, ADDITIONS OR ALTERATIONS TO BE PERFORMED.
-
- THE QUANTITIES OF ALL MATERIALS AS INDICATED ON THESE PLAN DRAWINGS ARE APPROXIMATIONS ONLY. THE CONTRACTOR MUST FIELD VERIFY ALL LENGTHS AND QUANTITIES PRIOR TO ORDERING MATERIALS IN COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO MARK THE PROPOSED LOCATIONS OF ALL FOUNDATIONS, HANDHOLES, MANHOLES, CONDUIT ROUTES, AND OTHER EQUIPMENT AND ITEMS FOR A CONTRACTOR REQUESTED PRE-CONSTRUCTION INSPECTION BY THE ENGINEER. THE EXACT LOCATIONS OF ALL ITEMS MUST BE APPROVED BY THE ENGINEER PRIOR TO STARTING WORK. ANY WORK INSTALLED WITHOUT LOCATION APPROVAL WILL BE SUBJECT TO CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL NOT INSTALL ANY LIGHT POLE FOUNDATIONS UNTIL SUCH TIME AS THE LOCATION OF THE PROPOSED CURB HAS BEEN ESTABLISHED AND STAKED. COORDINATE THIS WORK WITH IDOT CONTRACT NOS. 62586, 62809, 62811, 62812, 62814.

GENERAL NOTES (CONTINUED):

- NO LIGHT POLE FOUNDATIONS OR HANDHOLES SHALL BE INSTALLED WITHIN THE LIMITS OF THE PROPOSED HANDICAP RAMPS. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF ANY LIGHT POLE FOUNDATIONS OR HANDHOLES WITHIN THE LIMITS OF THE PROPOSED HANDICAP RAMPS WITH IDOT CONTRACT NOS. 62586 AND 62796.
- THE CONTRACTOR SHALL NOT DE-ENERGIZE ANY EXISTING ELECTRICAL EQUIPMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ALL EXISTING AREAS THAT ARE DAMAGED AS PART OF THIS WORK; INCLUDING BUT NOT LIMITED TO FENCING, CURB AND GUTTER, SIDEWALKS, AND WHERE RESTORATION IS NOT COVERED BY THE APPLICABLE SECTIONS OF THE SPECIFICATIONS, MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF THIS CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- NOTIFY THE UTILITY COMPANIES (SUCH AS COMED, CABLE TV, AMERITECH, ETC.) TO RELOCATE THEIR EXISTING EQUIPMENT LOCATED ON PUBLIC RIGHT OF WAY SPACES WHICH INTERFERE WITH THE PROPOSED WORK.
- TRENCHED CONDUITS MUST BE INSTALLED AT A MINIMUM DEPTH OF 30" BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREE ROOTS, ROADWAY SEWER DRAINS, SHEET PILING, AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR MUST INCREASE THE DEPTH OF TRENCH AND CONDUITS TO AVOID CONFLICTS AS REQUIRED AT NO ADDITIONAL COST TO IDOT.
- GROUND RODS MUST BE INSTALLED FOR SERVICE GROUNDING AT LIGHTING CONTROLLER FOUNDATIONS AND AT EACH CONCRETE LIGHT POLE FOUNDATION.
- CONNECTIONS TO THE GROUND RODS MUST BE MADE WITH EXOTHERMIC WELDS, CITY OF CHICAGO APPROVED. THE DRIVEN GROUND ROD ELECTRODES MUST HAVE A LOW RESISTANCE TO THE GROUND NOT TO EXCEED 25 OHMS.
- THE CONTRACTOR MUST SCHEDULE A FINAL ACCEPTANCE INSPECTION WITH THE ENGINEER AND THE BOE UPON COMPLETION OF ALL PROPOSED LIGHTING WORK. UPON FINAL ACCEPTANCE, THE CONTRACTOR MUST TRANSFER ALL LIGHTING INSTALLATIONS TO THE BOE FOR MAINTENANCE PURPOSES.

GENERAL NOTES: CITY OF CHICAGO

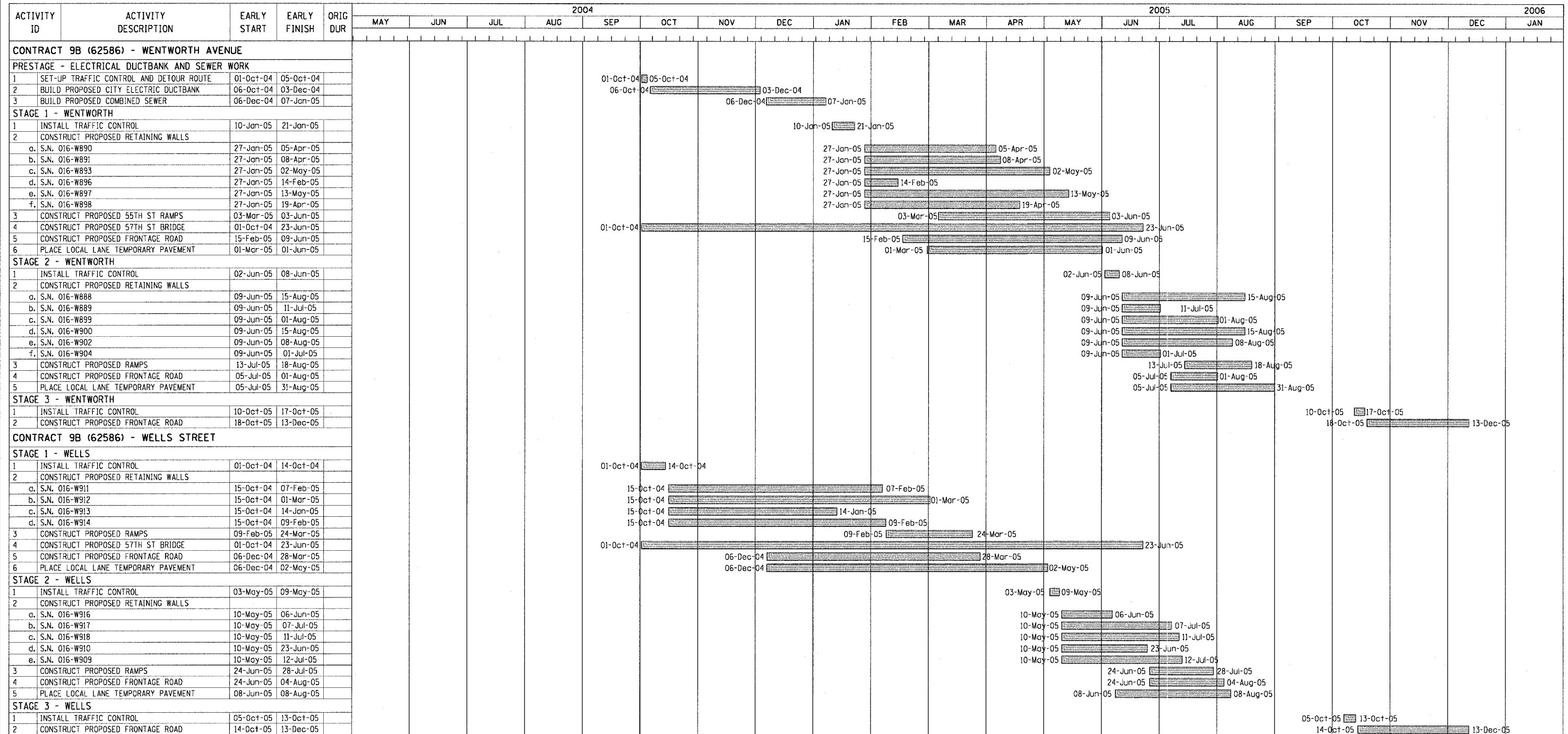
- IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF WATER MANAGEMENT AT 312-747-7001.
- BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF WATER MANAGEMENT AT 1000 EAST OHIO, JARDINE WATER PURIFICATION PLANT, CHICAGO, IL 60611.
- THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL FIELD-VERIFY THE CITY'S EXISTING SEWER FACILITIES INCLUDING PUBLIC AND PRIVATE DRAIN CONNECTIONS IN THE LIMITS OF THE SUBJECT PROJECT FOR ANY CONFLICTS DUE TO THE PROPOSED IMPROVEMENTS. ANY CONFLICTS SHOULD BE RESOLVED WITH THE DEPARTMENT OF WATER MANAGEMENT PRIOR TO THE START OF CONSTRUCTION.

PROJECT COMMITMENTS:

- IDOT WILL CONTINUE TO COORDINATE WITH THE CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION (CDOT) AND THE CHICAGO TRANSPORTATION AUTHORITY (CTA) USING THE "DAN RYAN EXPRESSWAY LANDSCAPE GUIDELINES", PREPARED BY CDOT AS GUIDELINES THROUGHOUT PHASE II OF THE PROJECT (PREPARATION OF CONTRACT PLANS) ON THE AESTHETICS AND LANDSCAPING TREATMENTS.
- THE ILLINOIS STATE GEOLOGICAL SURVEY (ISGS) CONDUCTED A PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT (PESA) IN WHICH THEY ASSESSED A HIGH RISK FOR THE OCCURRENCE OF HAZARDOUS MATERIALS. A SPECIAL WASTE WAIVER HAS BEEN APPROVED WHICH ALLOWS DESIGN APPROVAL TO BE GRANTED PRIOR TO THE COMPLETION OF SPECIAL WASTE STUDIES. THERE ARE STILL OUTSTANDING SPECIAL WASTE ISSUES THAT MUST BE ADDRESSED. THE ENVIRONMENTAL STUDIES UNIT SHOULD BE CONTACTED AT (847) 705-4101 TO DISCUSS THESE ISSUES. TO DETERMINE THE IMPLICATIONS OF FUTURE DESIGN CHANGES, PLEASE REFER TO THE PESA REVIEW COVER MEMOS FOR ISGS #1106A, AS DEPICTED IN EXHIBIT 7 - SPECIAL WASTE WAIVER IN THE CLASS OF ACTION DETERMINATION (CEAD).



REVISIONS		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 WENTWORTH AVENUE
NAME	DATE	
		GENERAL NOTES AND PROJECT COMMITMENTS
SCALE: NONE	DRAWN BY: CJM	02/09/2005 09:09:40 AM
DATE: February 11, 2005	CHECKED BY: WDS	

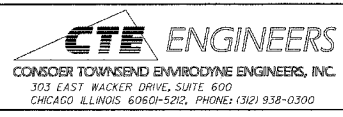


NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.

LEGEND:

WORK PERFORMED IN CONTRACTS BY OTHERS

WORK PERFORMED AS PART OF THIS CONTRACT



REVISIONS	
NAME	DATE

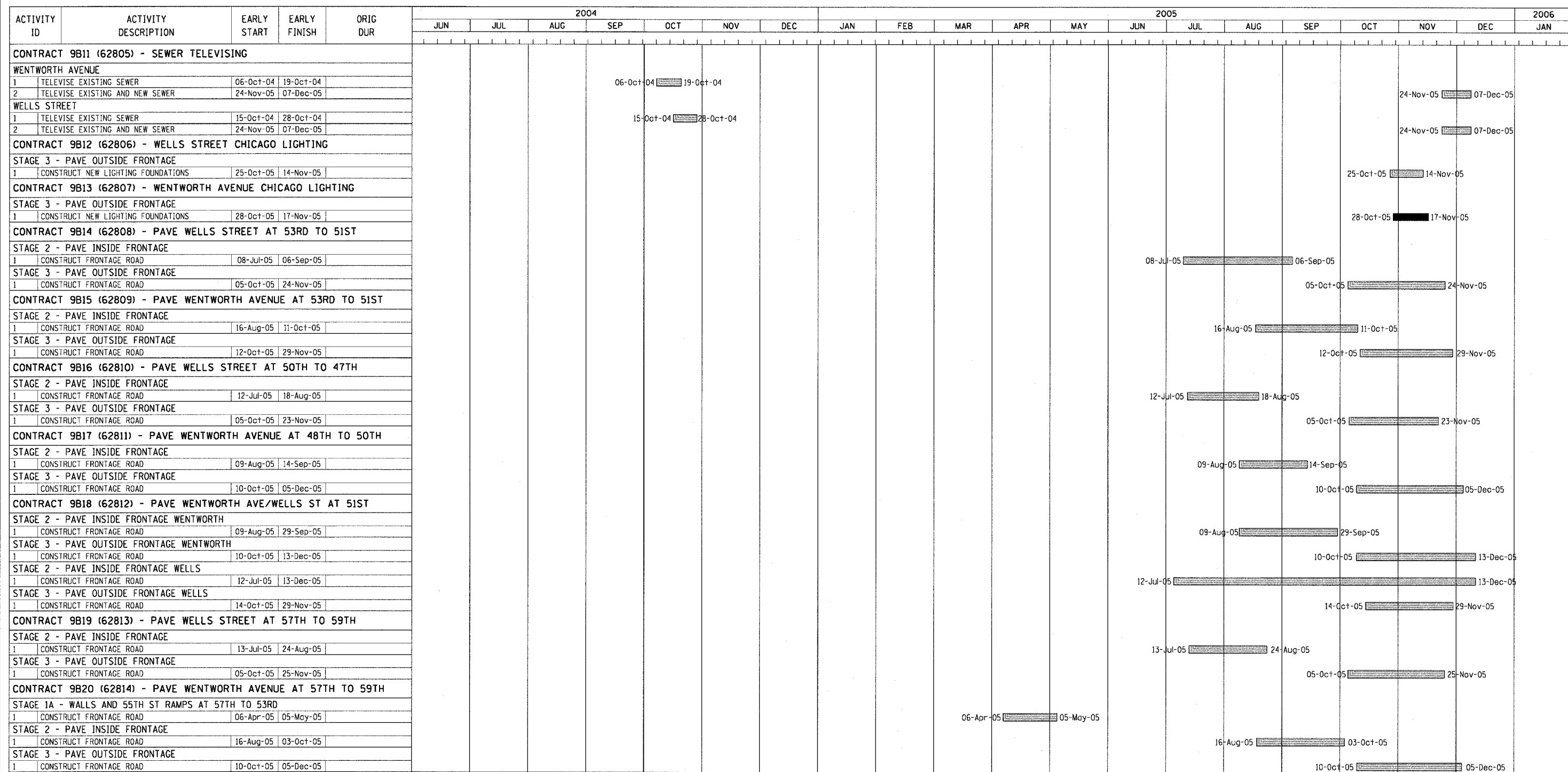
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WENTWORTH AVENUE

SUGGESTED CONSTRUCTION SCHEDULE



SCALE: NONE
 DATE: February 11, 2005

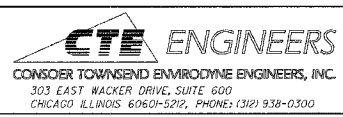
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NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.

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 WORK PERFORMED AS PART OF THIS CONTRACT



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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
 WENTWORTH AVENUE

SUGGESTED CONSTRUCTION SCHEDULE

SCALE: NONE
 DATE: February 11, 2005

DRAWN BY: AMM
 CHECKED BY: JAL



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	6
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62807

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. 122+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
 WENTWORTH AVENUE
SUGGESTED CONSTRUCTION SCHEDULE
 SCALE: NONE
 DATE: February 11, 2005
 DRAWN BY: AMM
 CHECKED BY: RMG

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	11
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
62807				

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 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 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 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 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

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

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 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= 5.62'
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+09.43
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= 5.02'
T.R.= 41'
S.E. RUN= 205'
P.C. STA= 3408+94.80
N= 1,861,966.12
E= 1,176,180.86
P.T. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87

CURVE SBDRO5
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= 1760.00'
T= 723.55'
L= 1372.97'
E= 142.93'
e= 5.92'
T.R.= 41' (41')
S.E. RUN= 262.17' (242')
P.C. STA= 1408+69.71
N= 1,861,964.32
E= 1,175,311.62
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= 5.92'
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= 6.02'
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

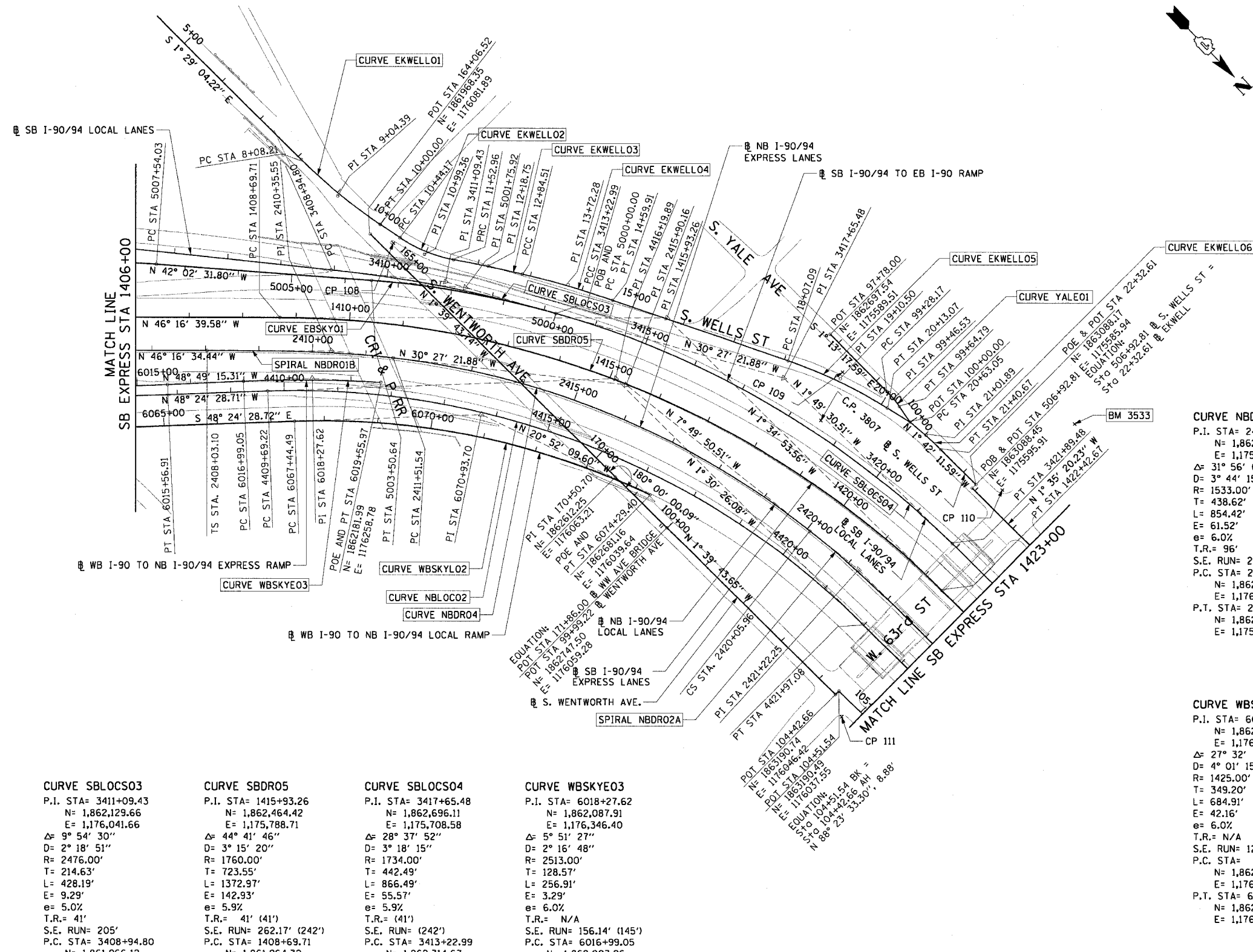
CURVE NBLOCO2
P.I. STA= 4416+19.89
N= 1,862,479.88
E= 1,175,936.27
Δ= 46° 54' 02"
D= 3° 49' 11"
R= 1500.00'
T= 650.67'
L= 1227.85'
E= 135.05'
e= 6.02'
T.R.= 41' (96')
S.E. RUN= 277.55' (246')
P.C. STA= 4409+69.22
N= 1,862,047.95
E= 1,176,422.90
P.T. STA= 4421+97.08
N= 1,863,130.33
E= 1,175,919.15

CURVE NBDRO4
P.I. STA= 2415+90.16
N= 1,862,502.01
E= 1,175,929.93
Δ= 31° 56' 02"
D= 3° 44' 15"
R= 1533.00'
T= 438.62'
L= 854.42'
E= 61.52'
e= 6.02'
T.R.= 96'
S.E. RUN= 246'
P.C. STA= 2411+51.54
N= 1,862,164.85
E= 1,176,210.49
P.T. STA= 2420+05.96
N= 1,862,936.54
E= 1,175,870.16

SPIRAL NBDRO2A
P.I. STA= 2421+22.25
N= 1,863,051.74
E= 1,175,854.32
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'
C.S. STA= 2420+05.96
N= 1,862,936.54
E= 1,175,870.16
S.T. STA= 2423+54.40
N= 1,863,284.13
E= 1,175,848.97

CURVE WBSKYLO2
P.I. STA= 6070+93.70
N= 1,862,354.86
E= 1,176,164.04
Δ= 27° 32' 19"
D= 4° 01' 15"
R= 1425.00'
T= 349.20'
L= 684.91'
E= 42.16'
e= 6.02'
T.R.= N/A
S.E. RUN= 129'
P.C. STA= 6067+44.49
N= 1,862,123.05
E= 1,176,425.21
P.T. STA= 6074+29.40
N= 1,862,681.16
E= 1,176,039.64

CURVE YALEO1
P.I. STA= 99+46.53
N= 1,862,866.03
E= 1,175,585.91
Δ= 10° 29' 32"
D= 28° 38' 52"
R= 200.00'
T= 18.36'
L= 36.62'
E= 0.84'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 99+28.17
N= 1,862,847.67
E= 1,175,586.30
P.T. STA= 99+64.79
N= 1,862,884.15
E= 1,175,588.87



- 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
WENTWORTH AVENUE

ALIGNMENT PLAN

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

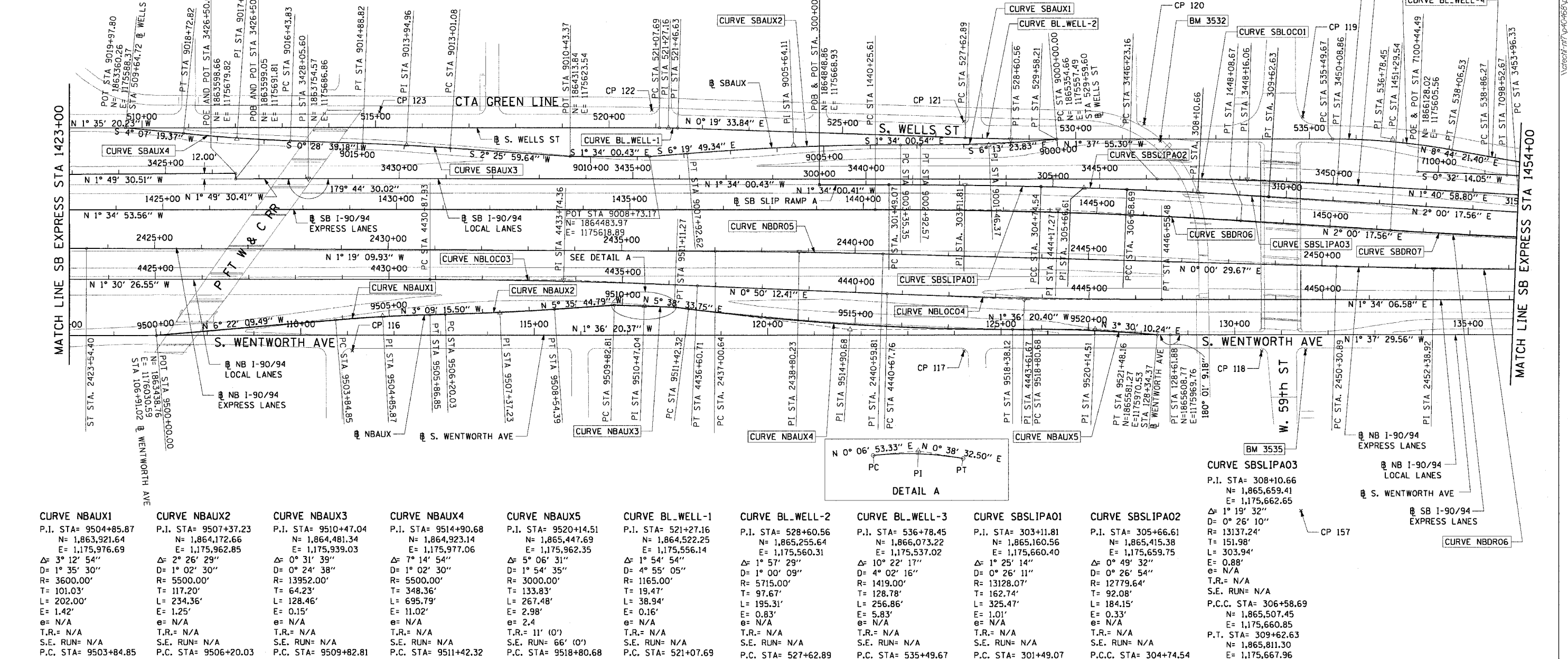
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F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94 2004-06BL	COOK	37	12
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
62807			

CURVE SBAUX1	CURVE SBAUX2	CURVE SBAUX3	CURVE SBAUX4	CURVE SBLOCO1	CURVE SBDR06	CURVE SBDR07	CURVE NBDR05	CURVE NBDR06	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= 1,175,607.83	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= 6800.00' T= 114.53' L= 228.99' E= 1.82' 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= 2.74' e= 2.52' 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= 6.00' 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= 6.13' 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 SBLSLIPA01	CURVE SBLSLIPA02	CURVE SBLSLIPA03
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° 24' 38" 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+11.27 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= 1.02' 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= 11.02' e= 2.4 T.R.= 11' (0') S.E. RUN= 66' (0')	P.I. STA= 521+27.16 N= 1,864,522.25 E= 1,175,556.14 Δ= 1° 54' 54" D= 0° 00' 09" 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= 1,864,502.79 E= 1,175,556.68 P.T. STA= 521+46.63 N= 1,864,541.72 E= 1,175,556.25	P.I. STA= 528+60.56 N= 1,865,255.64 E= 1,175,560.31 Δ= 1° 57' 29" D= 0° 00' 09" R= 5715.00' 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= 0° 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= 1,865,320.51 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= 92.08' 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.T. STA= 304+74.54 N= 1,865,323.30 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	P.I. STA= 308+10.66 N= 1,865,659.41 E= 1,175,662.65 Δ= 1° 19' 32" D= 0° 26' 10" R= 13137.24' T= 151.98' L= 303.94' E= 0.88' e= N/A T.R.= N/A S.E. RUN= N/A 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.

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
WENTWORTH AVENUE

ALIGNMENT PLAN

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

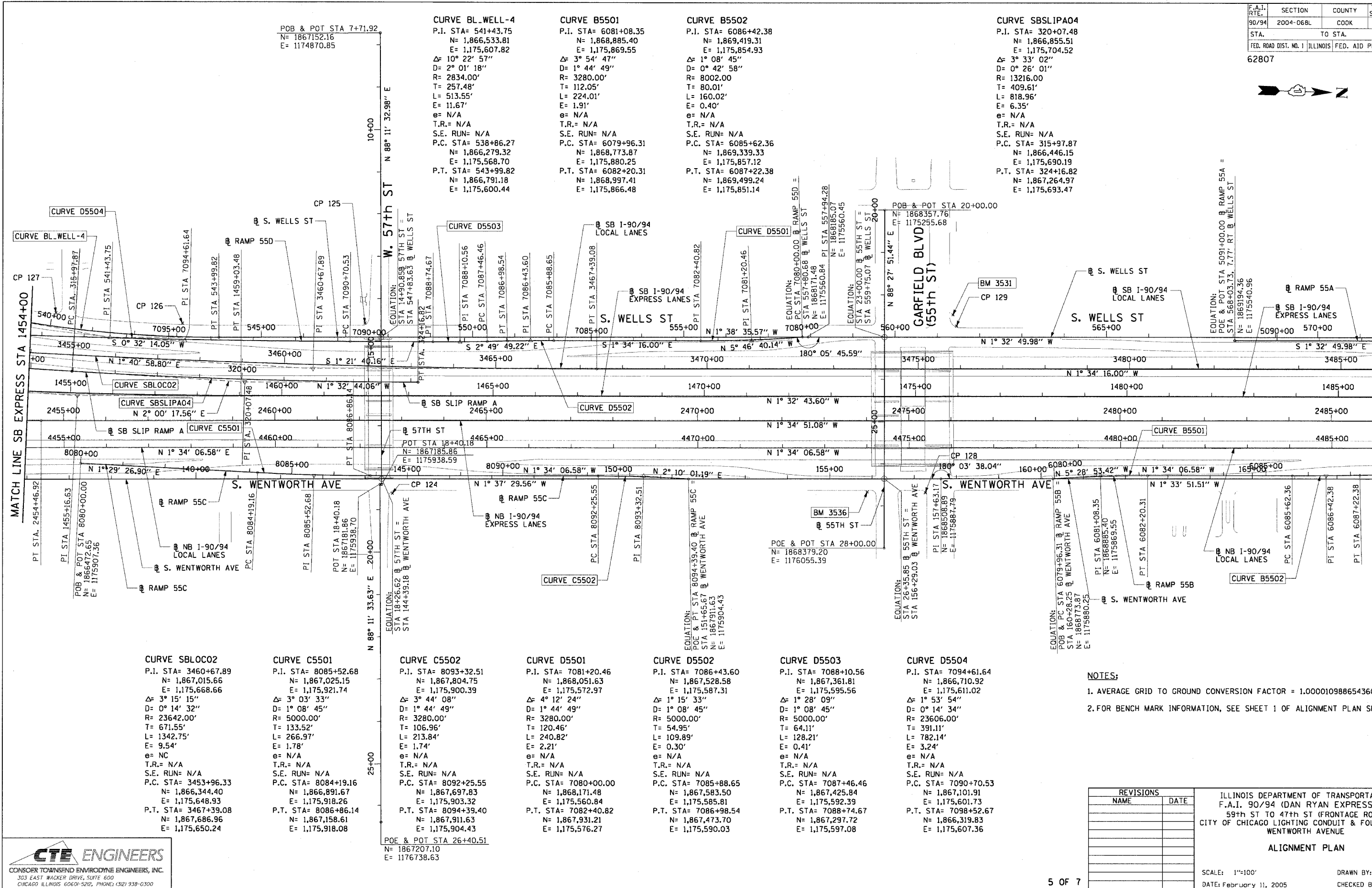
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DATE: 02/02/2005 09:09:02 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-D6BL	COOK	37	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

62807



CURVE BL.WELL-4	CURVE B5501	CURVE B5502	CURVE SBSLIPA04
P.I. STA= 541+43.75 N= 1,866,533.81 E= 1,175,607.82 Δ= 10° 22' 57" D= 2° 01' 18" R= 2834.00' T= 257.48' L= 513.55' E= 11.67' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 538+86.27 N= 1,866,279.32 E= 1,175,568.70 P.T. STA= 543+99.82 N= 1,866,791.18 E= 1,175,600.44	P.I. STA= 6081+08.35 N= 1,868,885.40 E= 1,175,869.55 Δ= 3° 54' 47" D= 1° 44' 49" R= 3280.00' T= 112.05' L= 224.01' E= 1.91' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 6079+96.31 N= 1,868,773.87 E= 1,175,880.25 P.T. STA= 6082+20.31 N= 1,868,997.41 E= 1,175,866.48	P.I. STA= 6086+42.38 N= 1,869,419.31 E= 1,175,854.93 Δ= 1° 08' 45" D= 0° 42' 58" R= 8002.00' T= 80.01' L= 160.02' E= 0.40' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 6085+62.36 N= 1,869,339.33 E= 1,175,857.12 P.T. STA= 6087+22.38 N= 1,869,499.24 E= 1,175,851.14	P.I. STA= 320+07.48 N= 1,866,855.51 E= 1,175,704.52 Δ= 3° 33' 02" D= 0° 26' 01" R= 13216.00' T= 409.61' L= 818.96' E= 6.35' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 315+97.87 N= 1,866,446.15 E= 1,175,690.19 P.T. STA= 324+16.82 N= 1,867,264.97 E= 1,175,693.47

CURVE SBLOC02 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+39.08 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= 1,867,911.63 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= 1,175,560.84 P.T. STA= 7082+40.82 N= 1,867,931.21 E= 1,175,576.27	CURVE D5502 P.I. STA= 7086+39.40 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= 1,175,585.81 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
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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
 WENTWORTH AVENUE

ALIGNMENT PLAN

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

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



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62807				



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

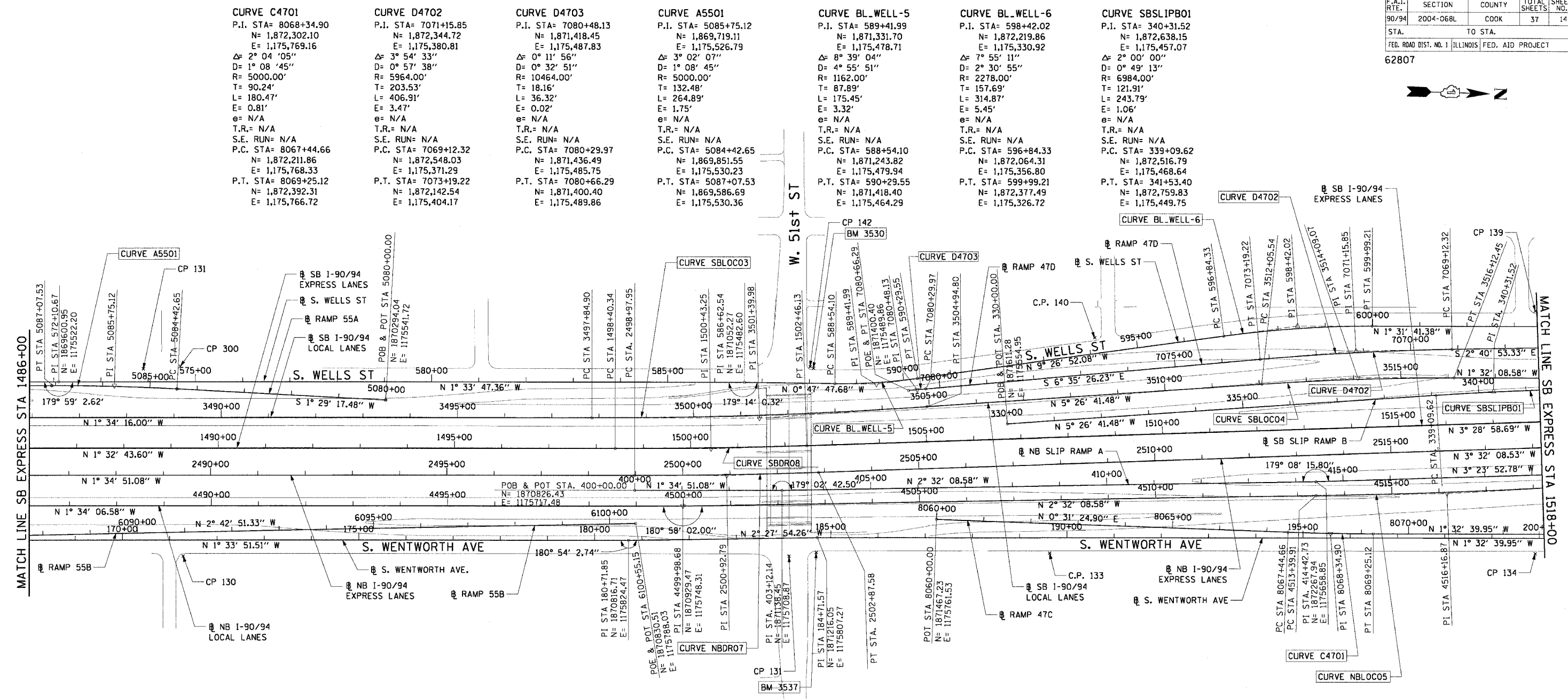
CURVE D4703
 P.I. STA= 7080+48.13
 N= 1,871,418.45
 E= 1,175,487.83
 Δ= 0° 11' 56"
 D= 0° 32' 51"
 R= 10464.00'
 T= 18.16'
 L= 36.32'
 E= 0.02'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7080+29.97
 N= 1,871,436.49
 E= 1,175,485.75
 P.T. STA= 7080+66.29
 N= 1,871,400.40
 E= 1,175,489.86

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= 1,872,377.49
 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:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

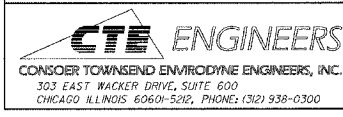
REVISIONS	
NAME	DATE

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
 WENTWORTH AVENUE

ALIGNMENT PLAN

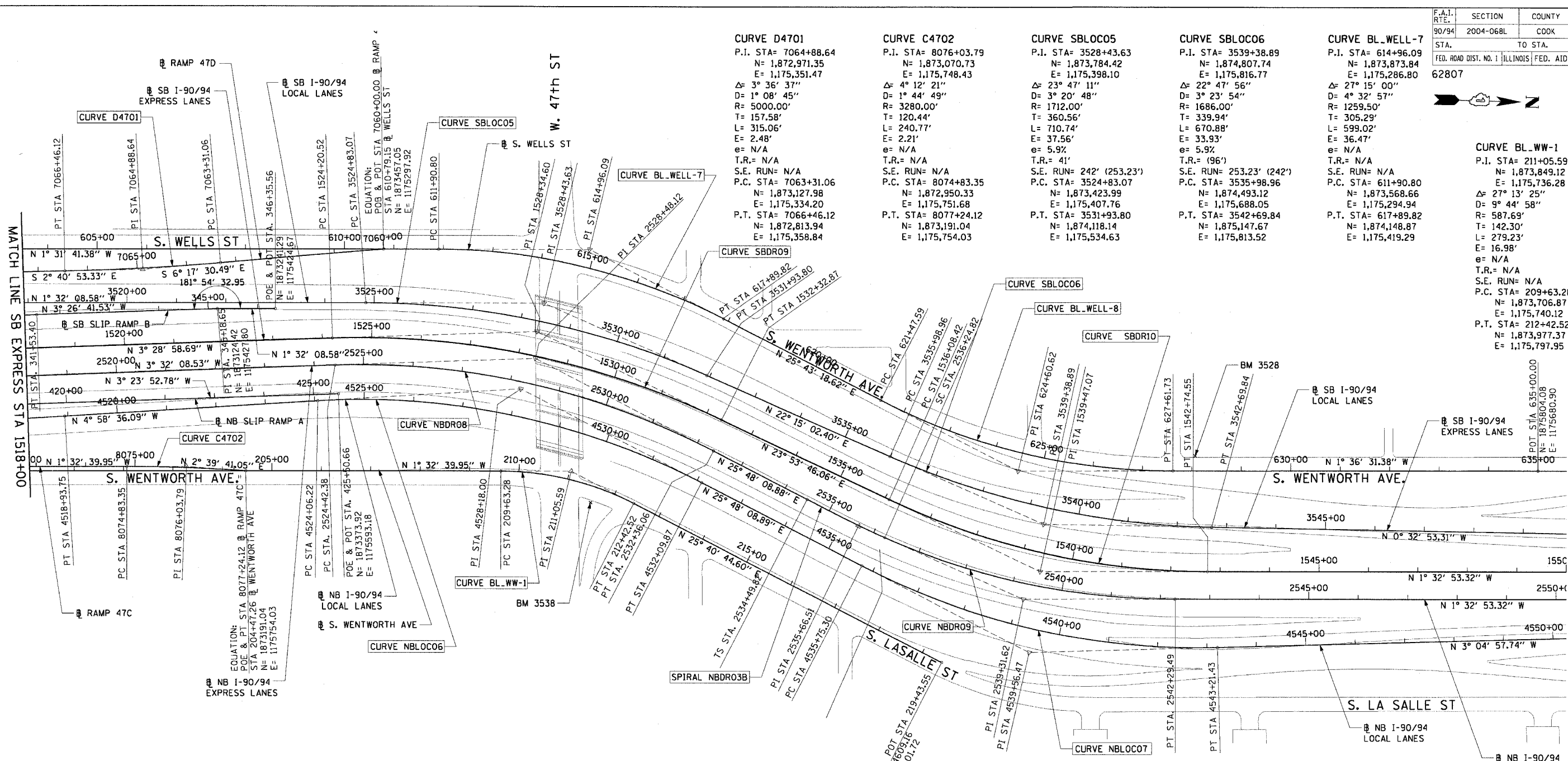
SCALE: 1"=100'
 DATE: February 11, 2005

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



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	15
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



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+49.82
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:**
- 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
WENTWORTH AVENUE

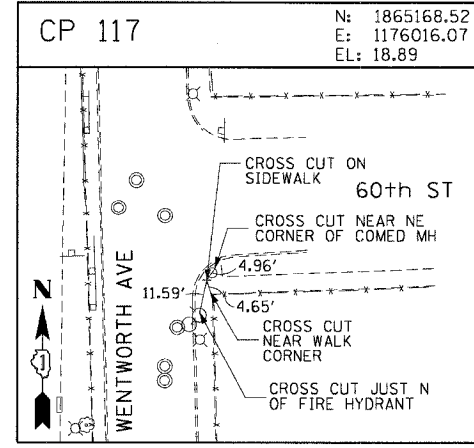
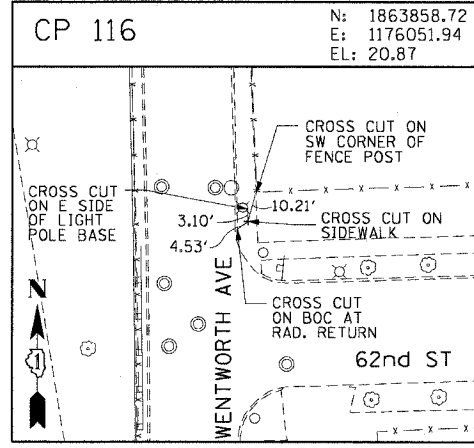
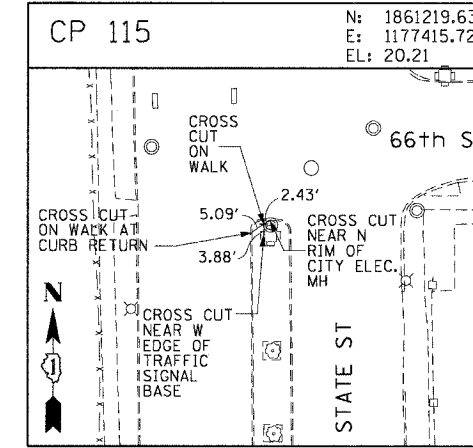
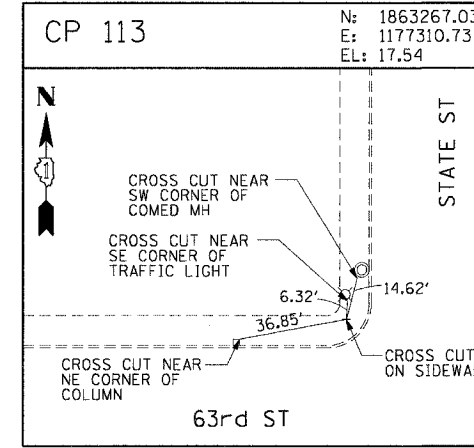
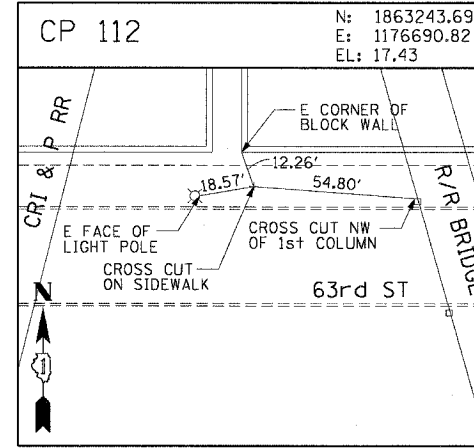
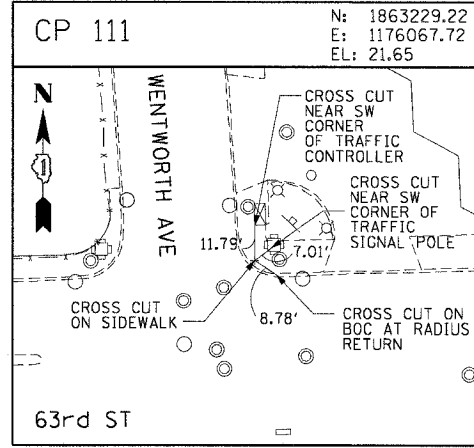
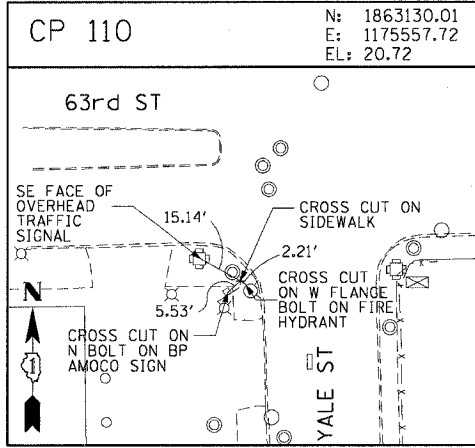
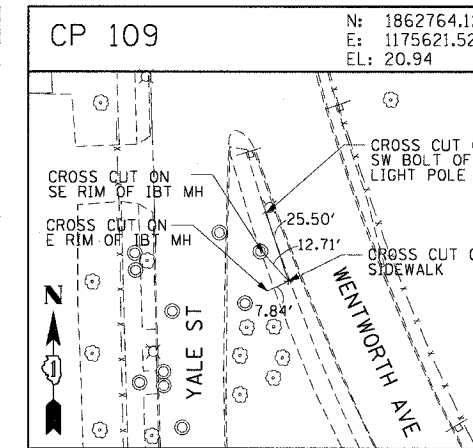
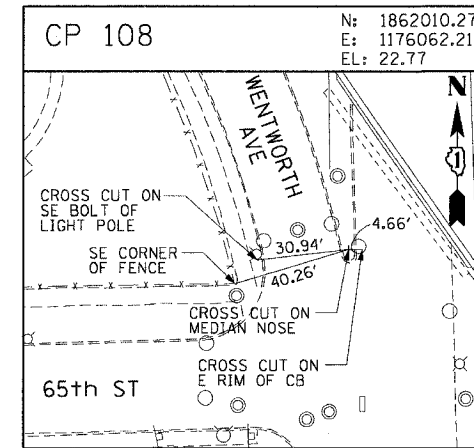
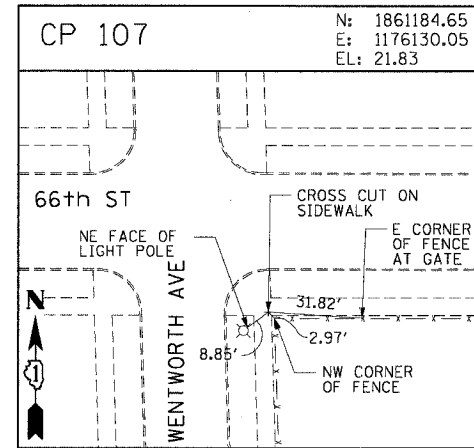
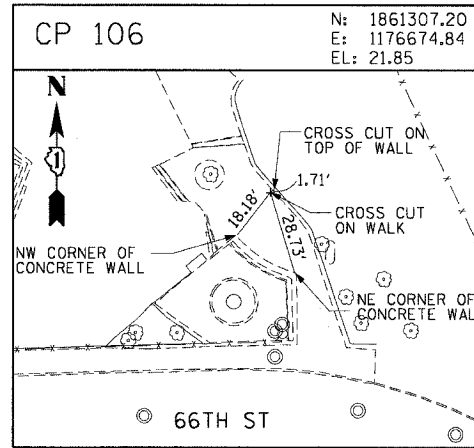
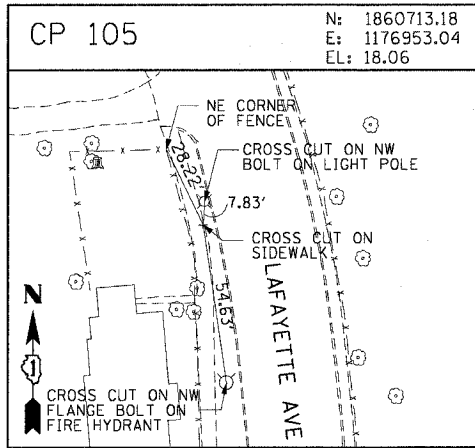
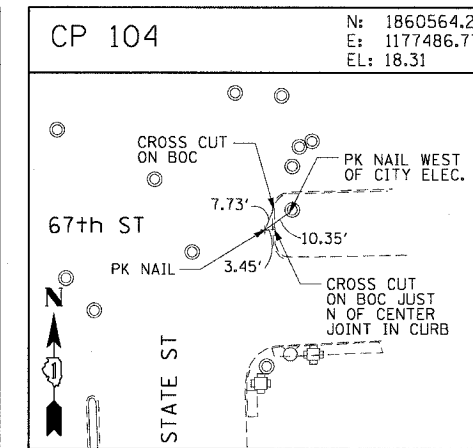
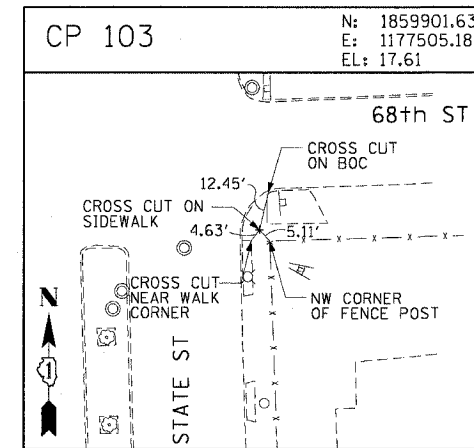
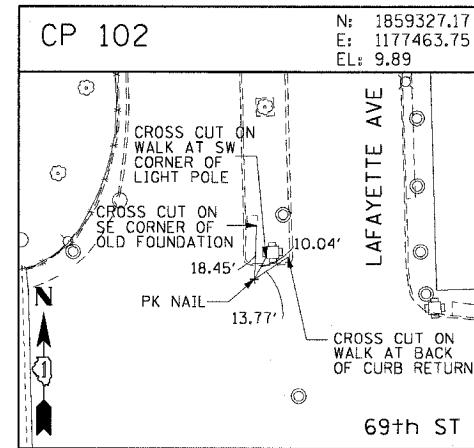
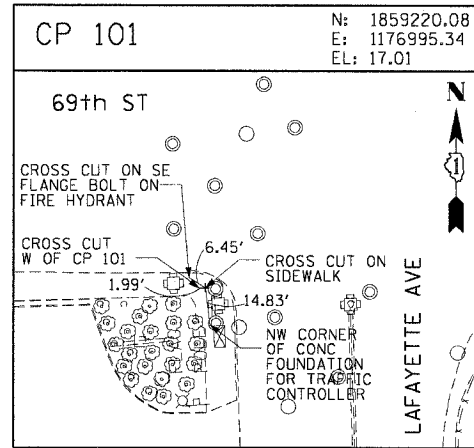
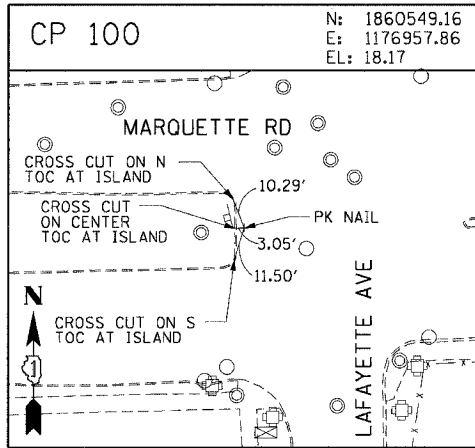
ALIGNMENT PLAN

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



02/10/2005 09:05:04 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	16
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



CTE ENGINEERS
CONOR TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO ILLINOIS 60601-5225, 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
WENTWORTH AVENUE

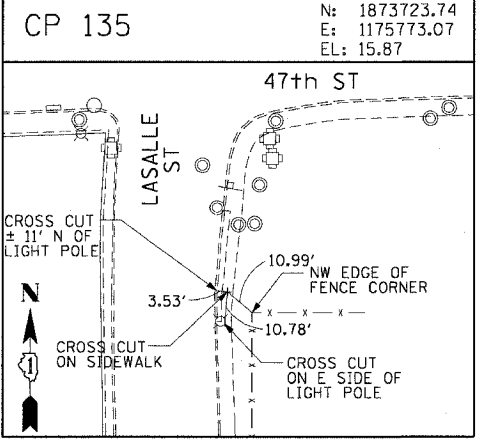
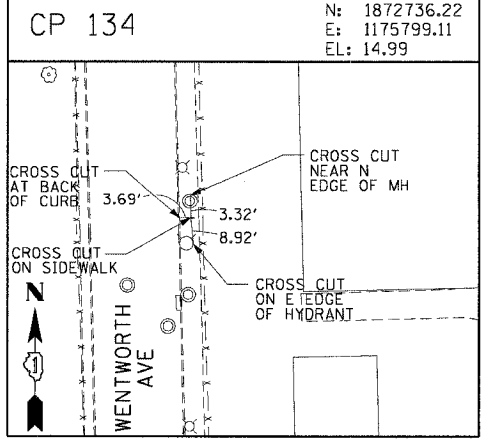
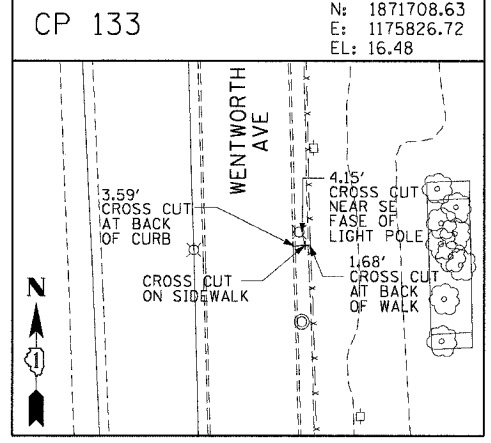
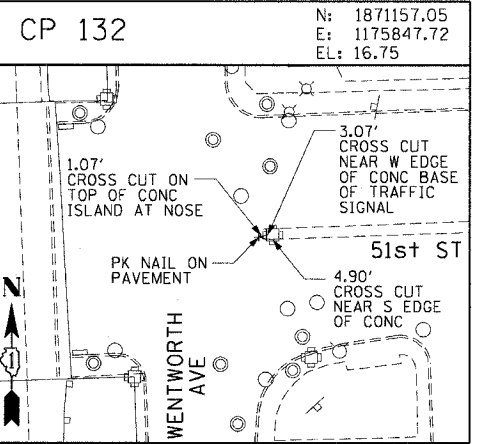
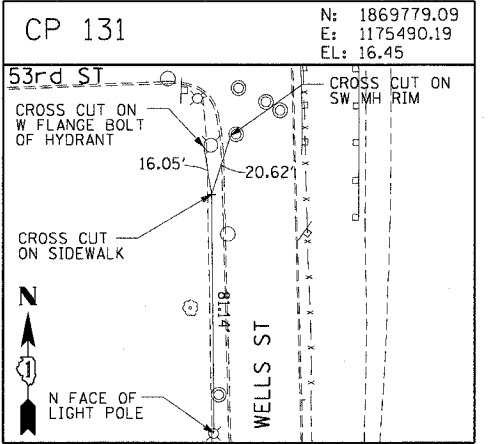
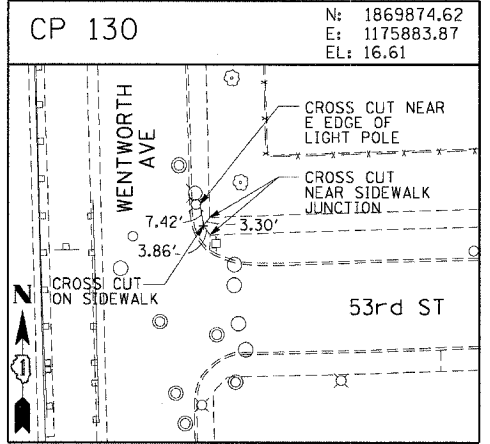
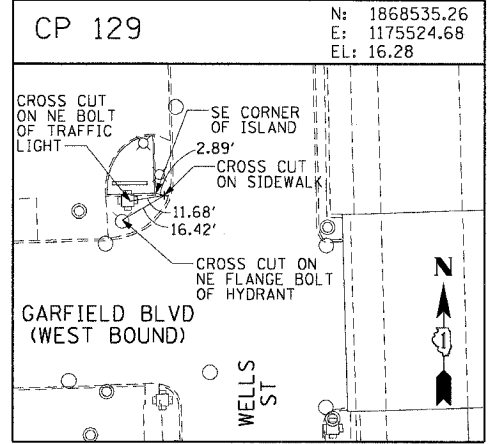
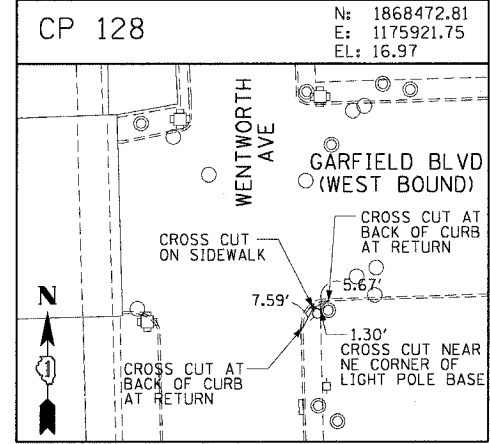
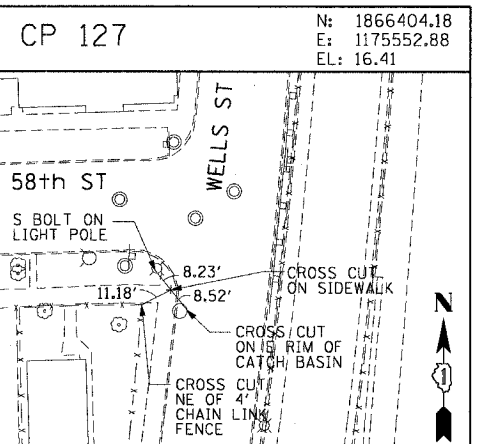
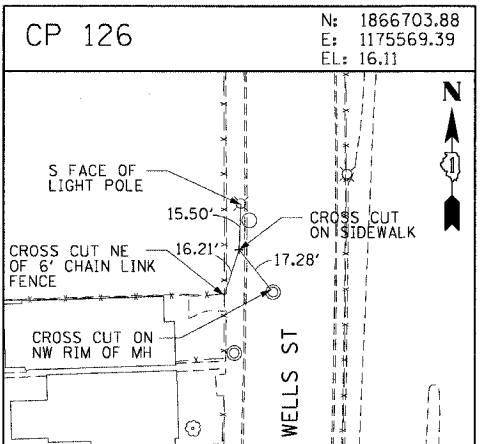
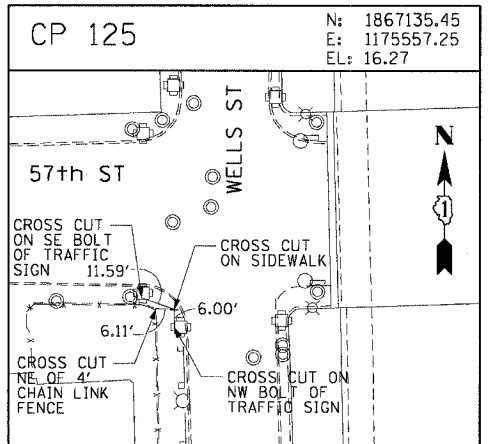
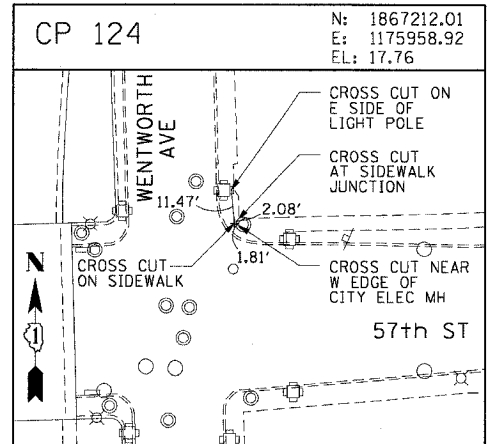
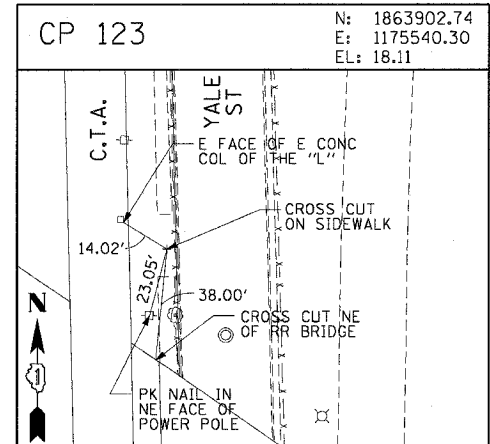
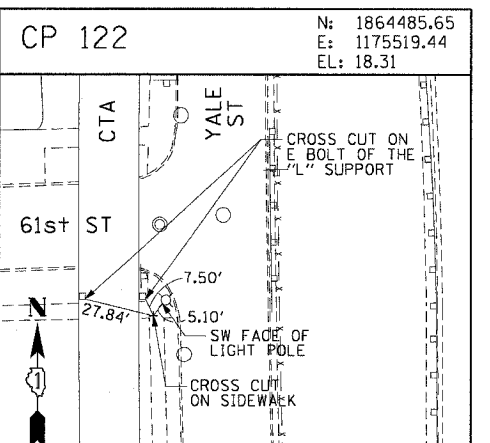
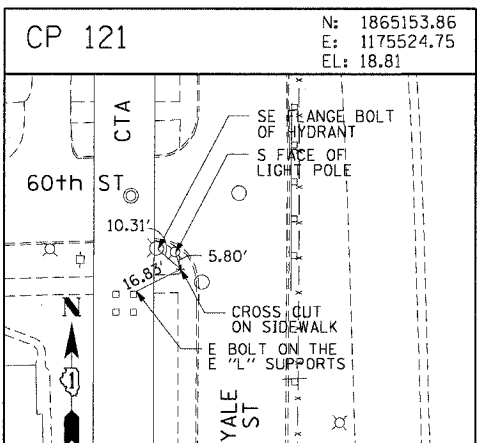
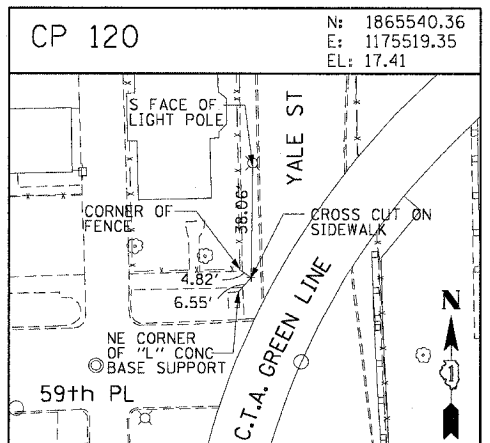
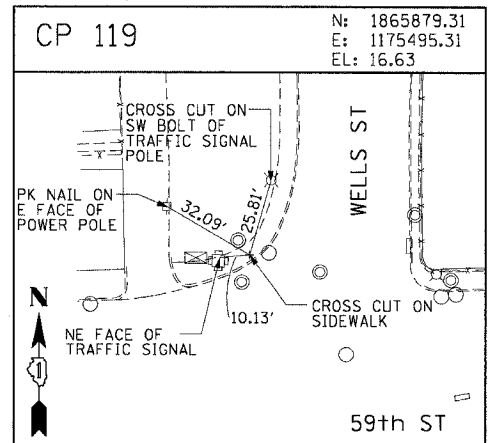
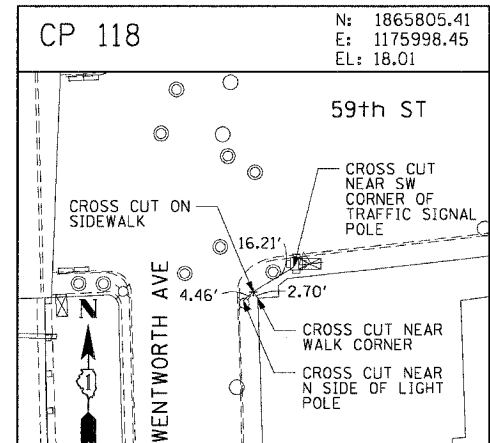
SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

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F.A.I. RTL:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	17
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKEN DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5222, 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
WENTWORTH AVENUE

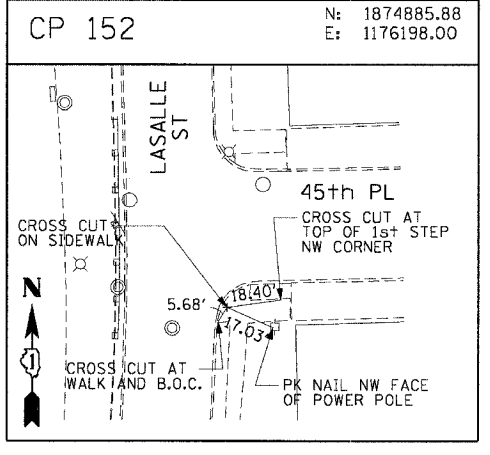
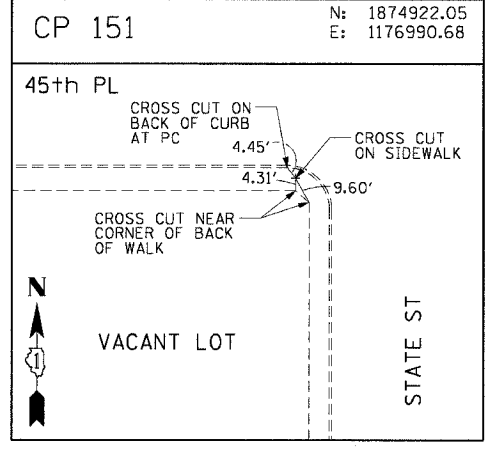
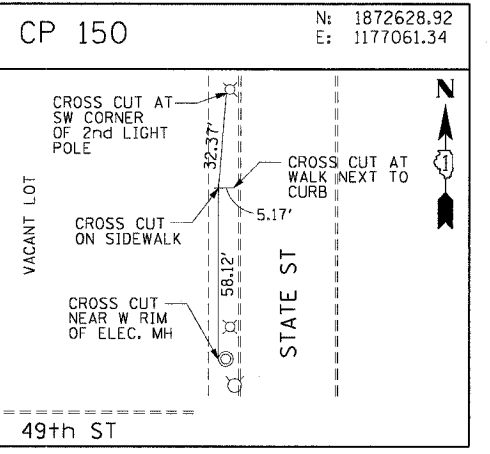
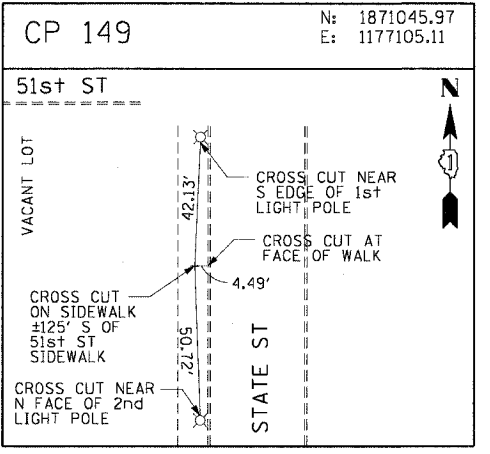
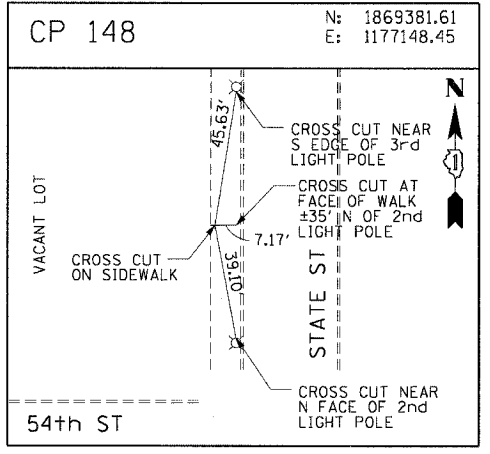
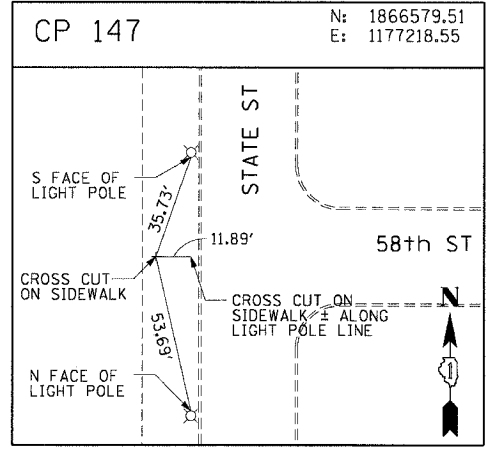
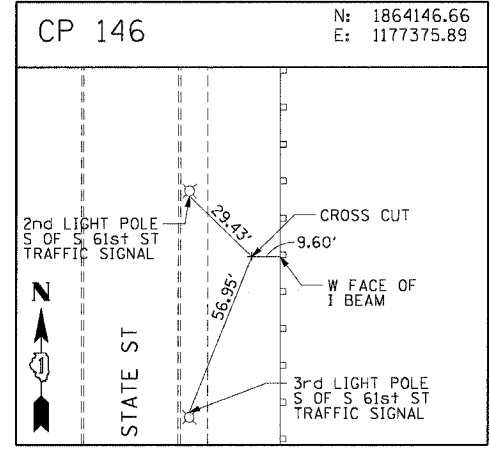
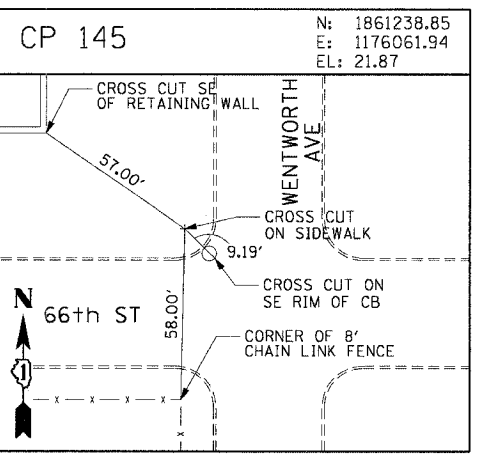
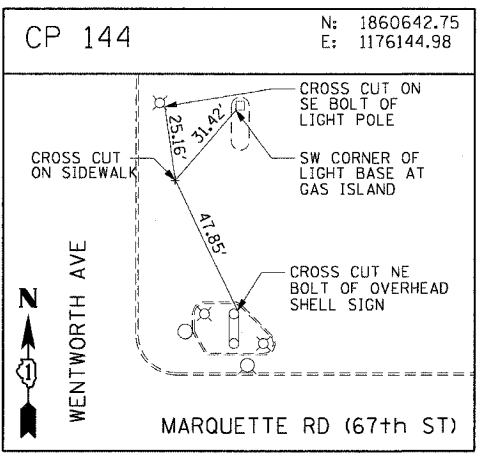
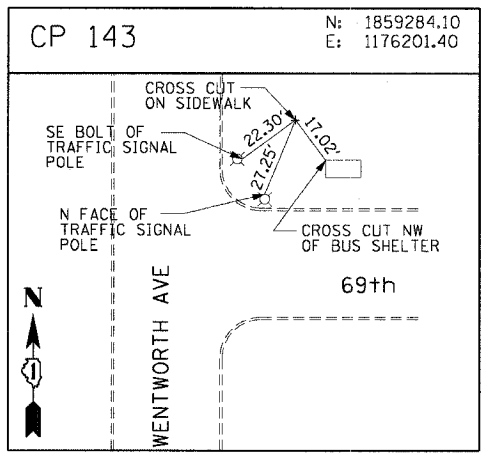
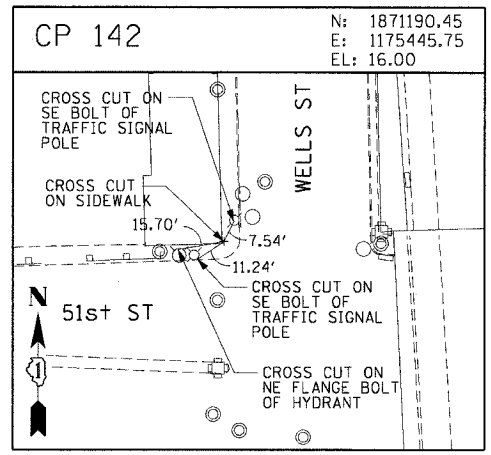
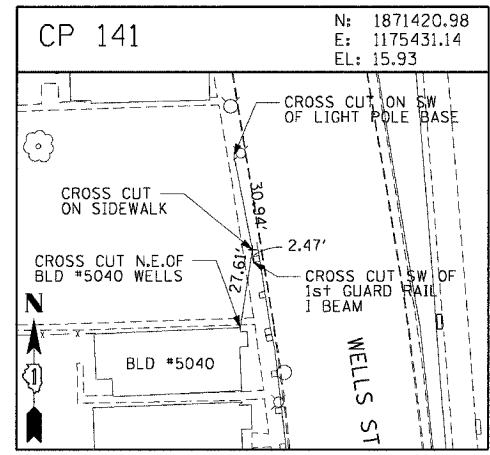
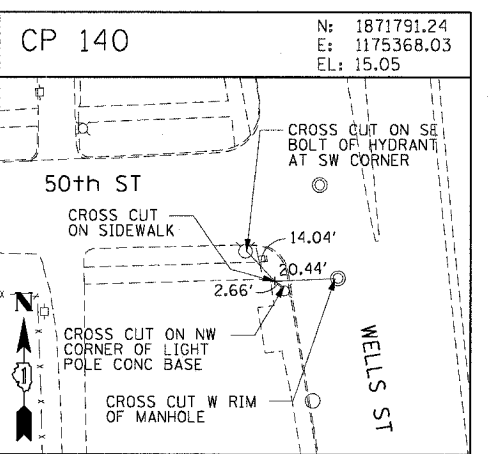
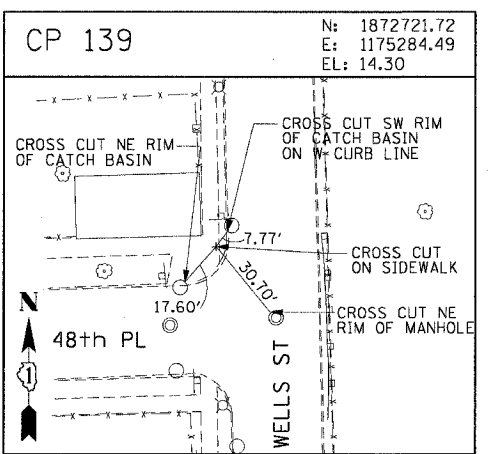
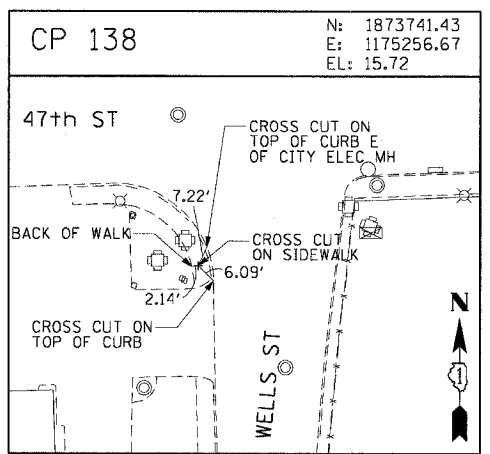
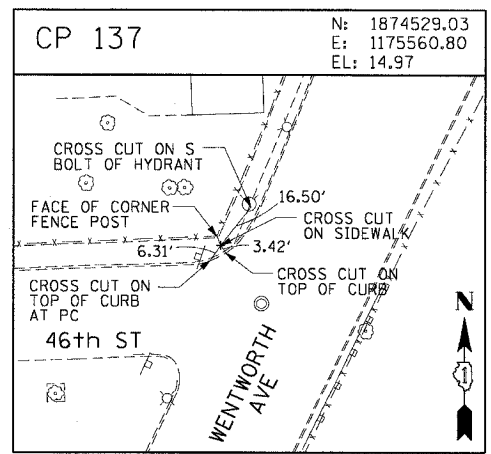
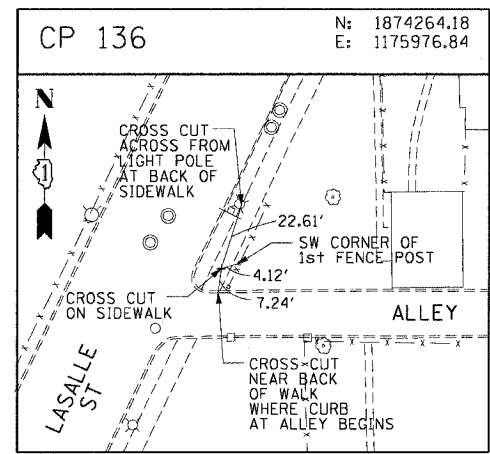
SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



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
WENTWORTH AVENUE

SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

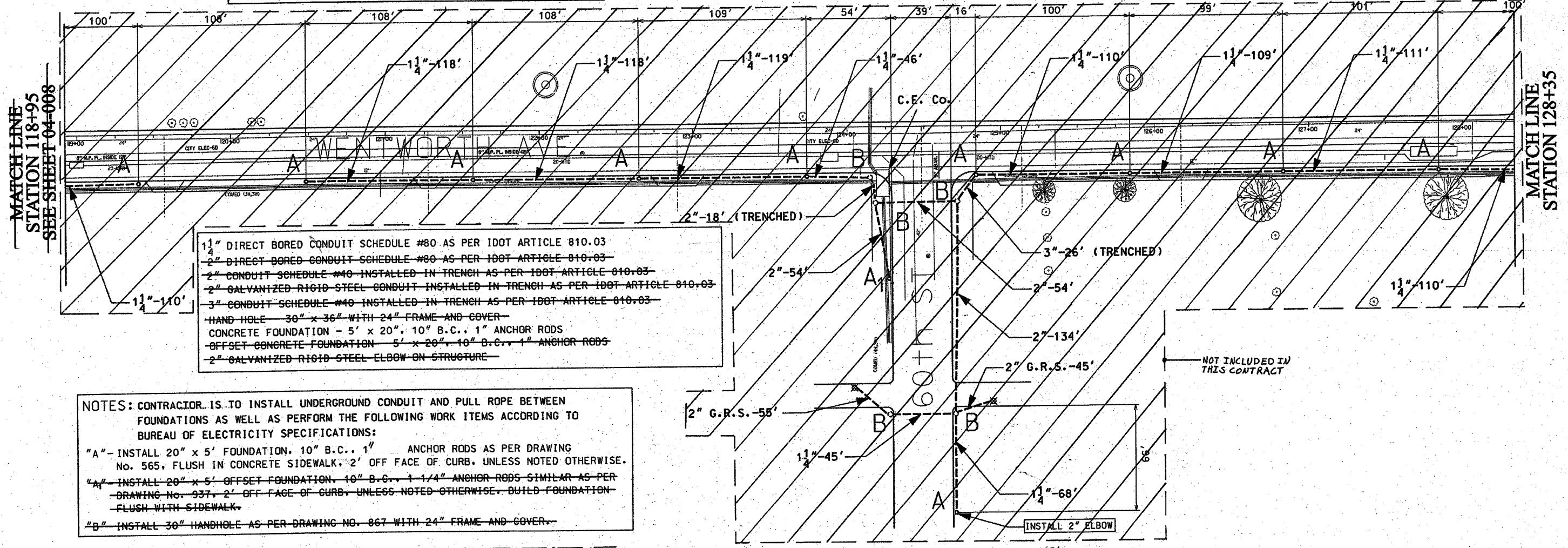
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62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	20
STA. 118+95	TO STA. 135+65			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		



NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.



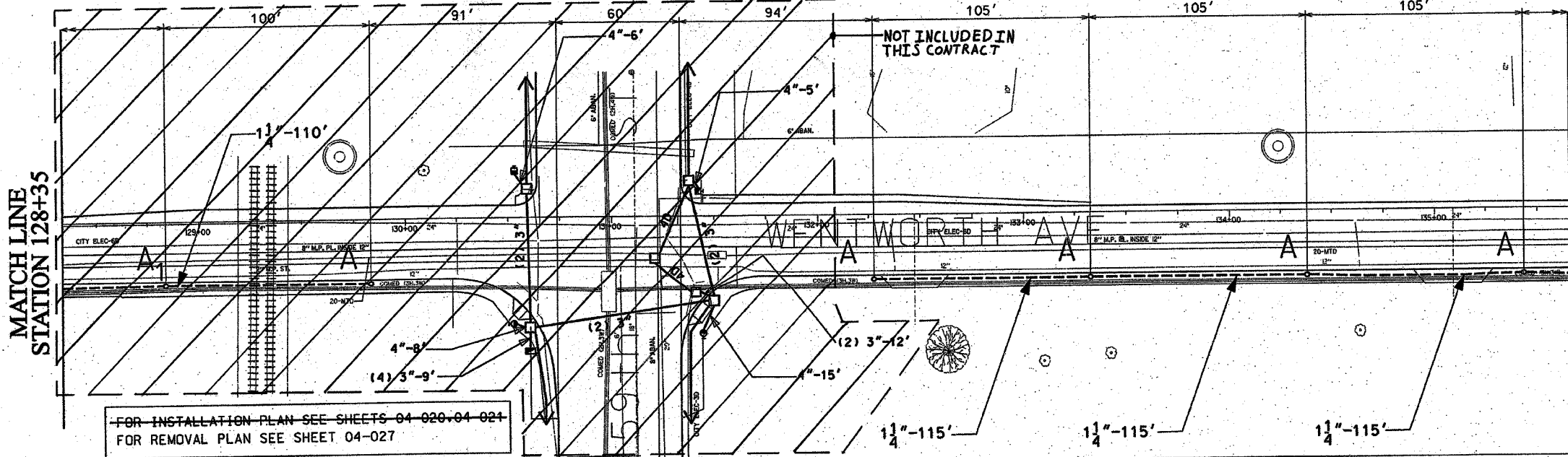
- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 3" CONDUIT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

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, FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.

"A1" - INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1 1/4" ANCHOR RODS SIMILAR AS PER DRAWING NO. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.

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



FOR INSTALLATION PLAN SEE SHEETS 04-029-04-024
FOR REMOVAL PLAN SEE SHEET 04-027

MATCH LINE
STATION 135+65
SEE SHEET 04-010

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN P.R.S./ B.T.G.	CHIEF DRAFTSMAN ROBERT CARTER P.R.S./ B.T.G.	ENGINEER P.R.S./ B.T.G.
SUPERVISING ENGINEER ELEC. DESIGN ENGR.		DWG. NO. 04-009
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

REVISIONS	
NAME	DATE

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

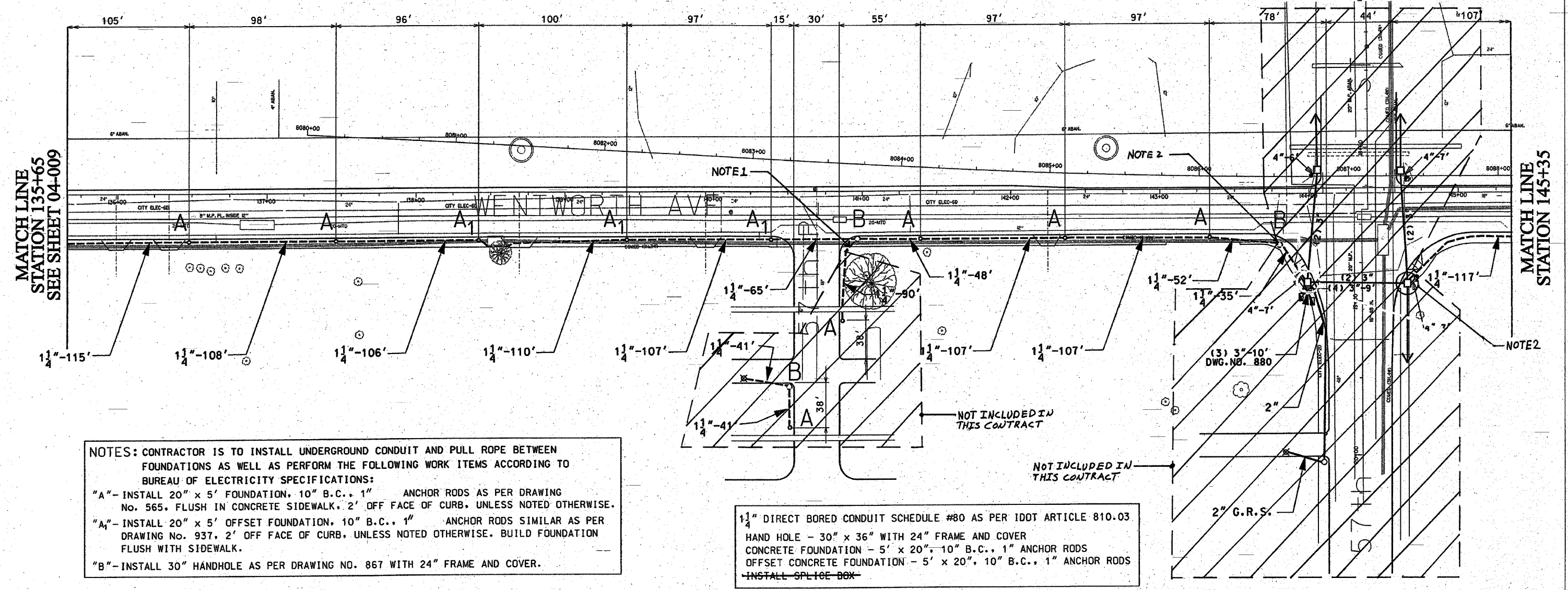
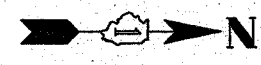
62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	21
STA. 135+65	TO STA. 151+70			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		

* 2004-068L

NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

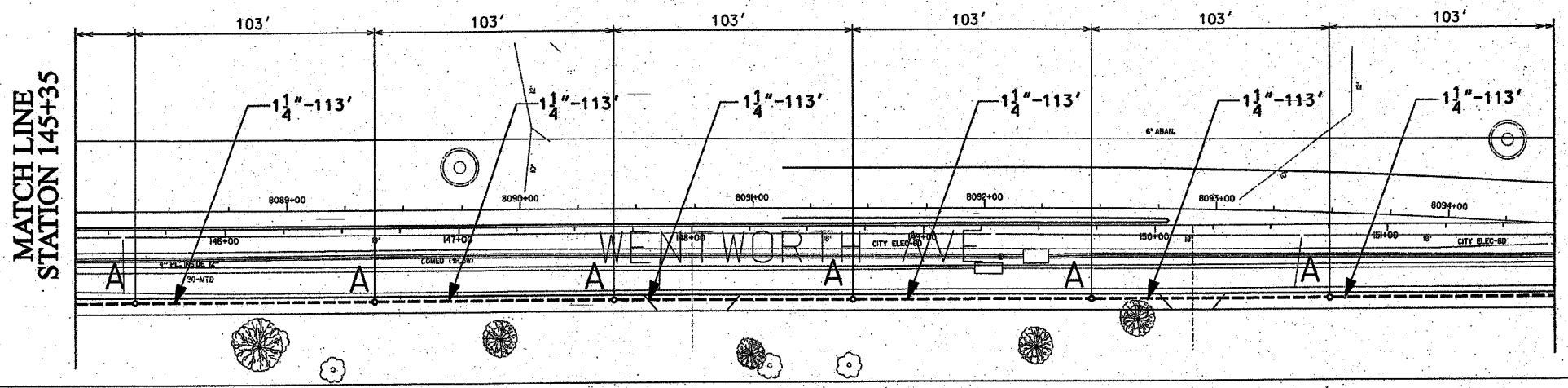
FOR INSTALLATION PLAN SEE SHEET 04-024
FOR REMOVAL PLAN SEE SHEETS 04-027, 04-028



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, FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.
 "A₁"-INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING NO. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.
 "B"-INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 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
 OFFSET CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
 INSTALL SPLICE BOX

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 DOT CONTRACT NO. 62.796 FOR LIMITS OF SIDEWALK REPLACEMENT.
 2. ROUTE PROPOSED CONDUIT RUN TO THE EXISTING MAJ HOLE OR HANDHOLE AS SHOWN. DRILL THE EXISTING MAJ HOLE OR HANDHOLE AND INSTALL PROPOSED CONDUIT THROUGH THE MAJ HOLE OR HANDHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.

MATCH LINE STATION 151+70 SEE SHEET 04-011

REVISIONS	
NAME	DATE

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

DRAFTSMAN: P.R.S./ B.T.G.	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: P.R.S./ B.T.G.
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 04-010
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" x 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'
 DATE: February 11, 2005
 DRAWN BY: B.T.G.
 CHECKED BY: O.L.

62807

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	22
STA. 151+70	TO STA. 161+10			
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		

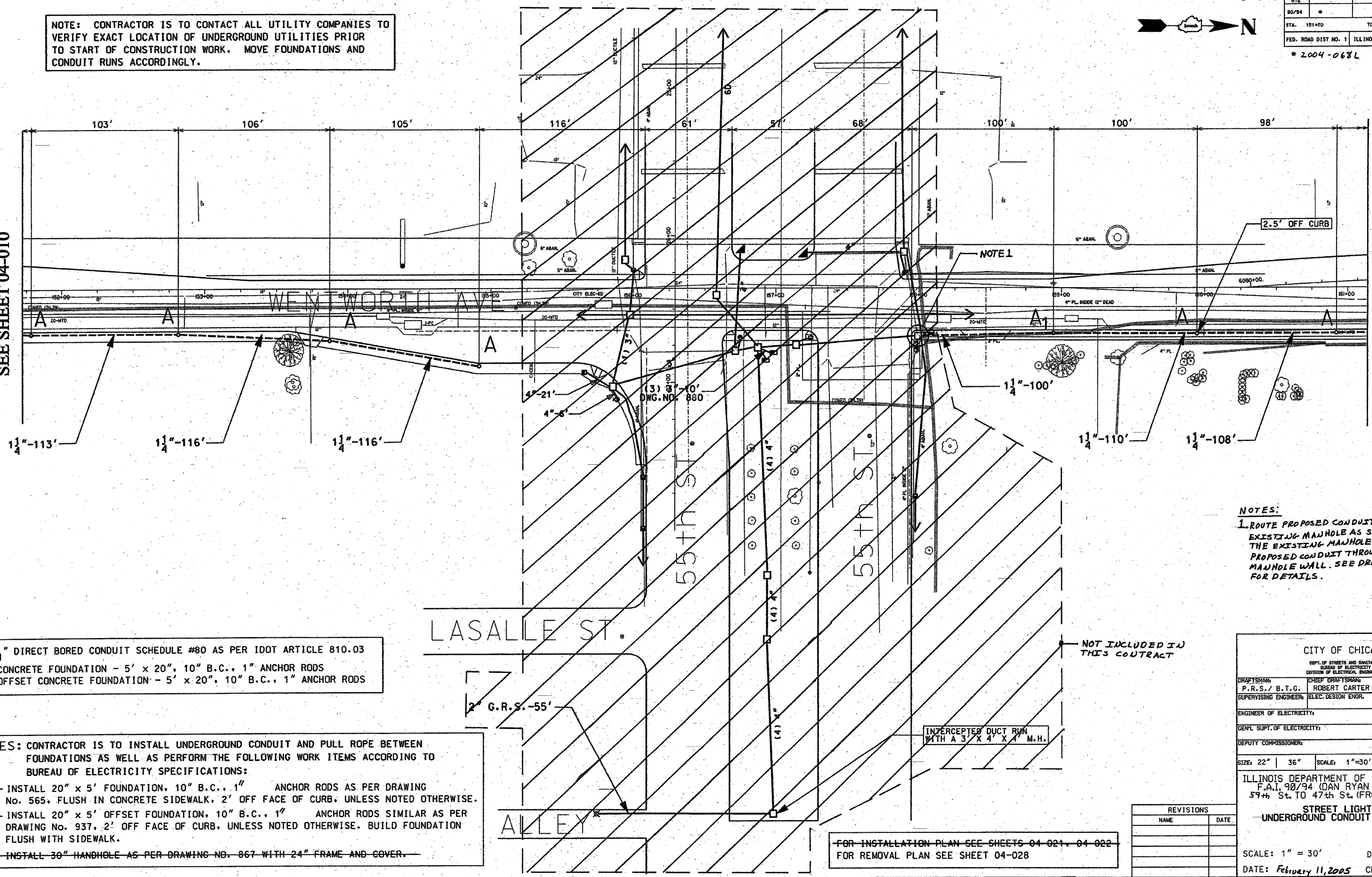
* 2004-068L



NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

MATCH LINE
STATION 151+70
SEE SHEET 04-010

MATCH LINE
STATION 161+10
SEE SHEET 04-012



NOTES:
1. ROUTE PROPOSED CONDUIT RUN TO THE EXISTING MANHOLE AS SHOWN. DRILL THE EXISTING MANHOLE AND INSTALL PROPOSED CONDUIT THROUGH THE MANHOLE WALL. SEE DRAWING BOE-Z FOR DETAILS.

1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
OFFSET 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. FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.
"A1" - INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING No. 937. 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.
"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

NOT INCLUDED IN THIS CONTRACT

INTERCEPTED DUCT RUN WITH A 3' X 4' X 4' M.H.

FOR INSTALLATION PLAN SEE SHEETS 04-021, 04-022
FOR REMOVAL PLAN SEE SHEET 04-028

CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION		
BUREAU OF ELECTRICITY		
DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
P.R.S./ B.T.G.	ROBERT CARTER	P.R.S./ B.T.G.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		04-011
GENL. 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

REVISIONS	
NAME	DATE

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

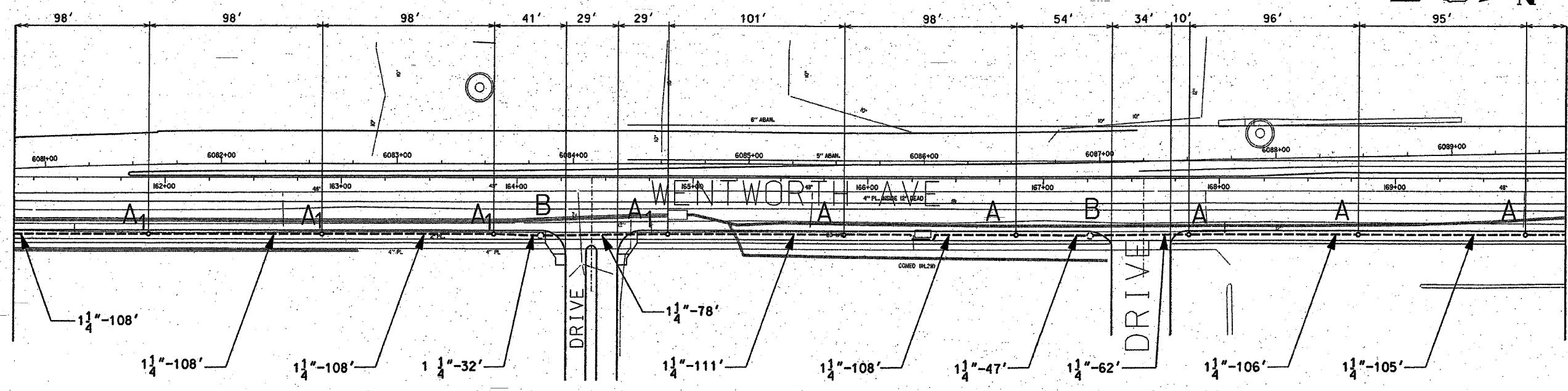
62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/84	*	COOK	37	23
STA. 161+10		TO STA. 176+00		
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		

* 2004-068L

MATCH LINE
STATION 161+10
SEE SHEET 04-011

MATCH LINE
STATION 169+95

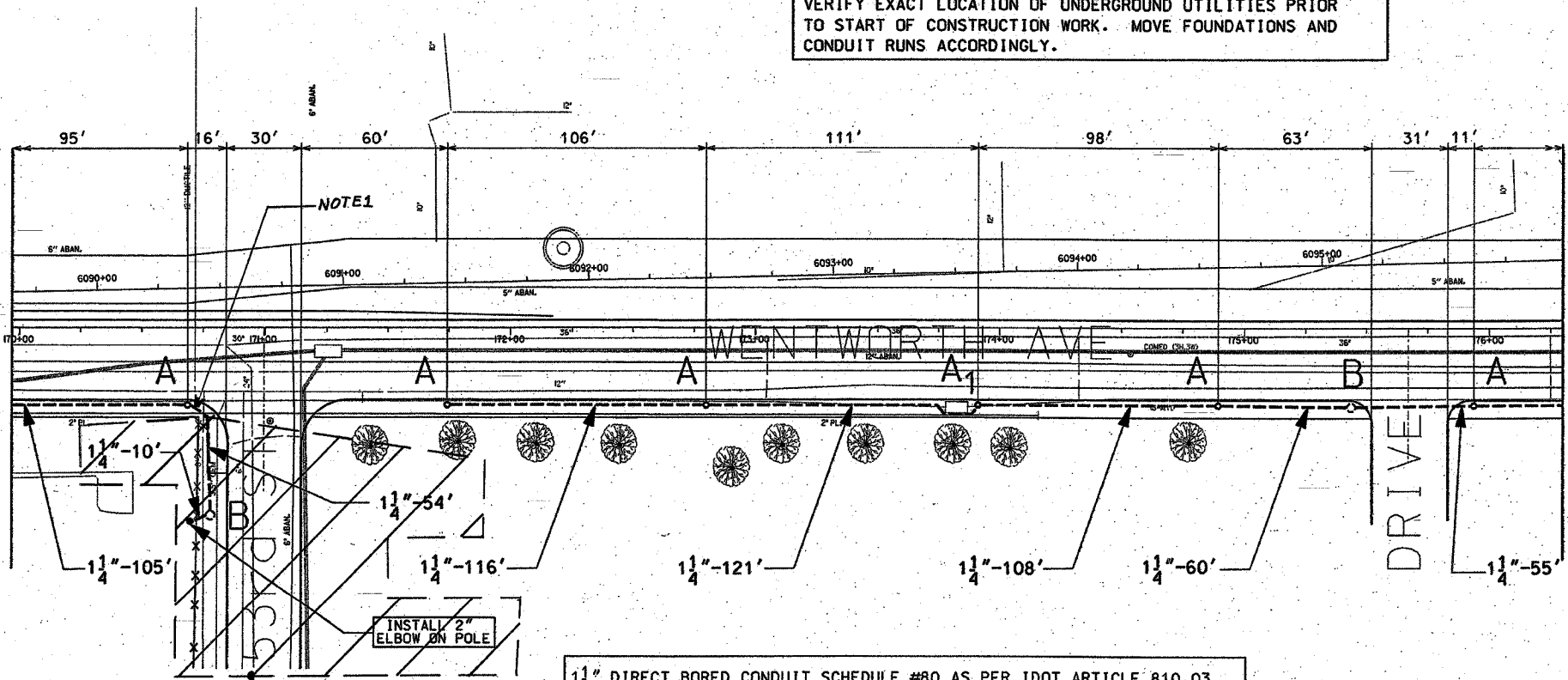


NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

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, FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.
 "A2"-INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING NO. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.
 "B"-INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

MATCH LINE
STATION 169+95

MATCH LINE
STATION 176+30
SEE SHEET 04-013



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 NO. 62796 FOR LIMITS OF SIDEWALK REPLACEMENT.

1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 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
 OFFSET CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE

FOR INSTALLATION PLAN SEE SHEET 04-022
 FOR REMOVAL PLAN SEE SHEET 04-028

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

DRAFTSMAN P.R.S./ B.T.G.	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER P.R.S./ B.T.G.
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	

ENGINEER OF ELECTRICITY: _____ DWG. NO. **04-012**

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. | CHECKED BY: O.L.

DATE: February 11, 2005

REVISIONS	
NAME	DATE

NOT INCLUDED IN THIS CONTRACT

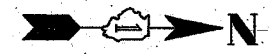
INSTALL 2" ELBOW ON POLE

62807

F. & R. 90/94	SECTION *	COUNTY COOK	TOTAL SHEETS 37	SHEET NO 24
STA. 176+30	TO STA. 191+05		FED. ROAD DIST. NO. 1 ILLINOIS	
FED. AID PROJECTS			* 2004-068L	

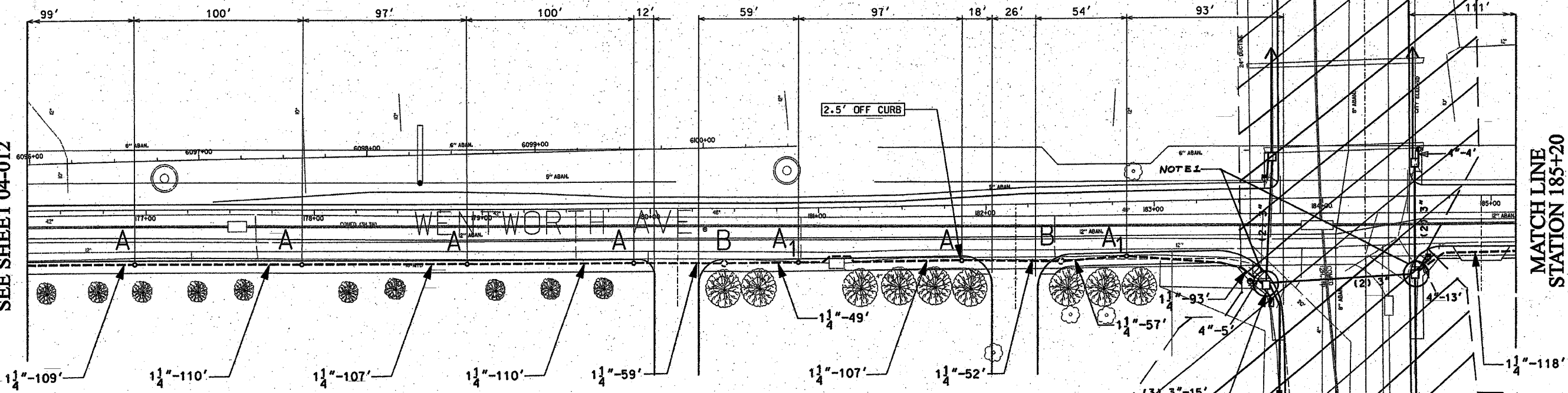
NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

FOR INSTALLATION PLAN SEE SHEETS 04-022, 04-023
FOR REMOVAL PLAN SEE SHEET 04-028, 04-029



MATCH LINE
STATION 176+30
SEE SHEET 04-012

MATCH LINE
STATION 185+20



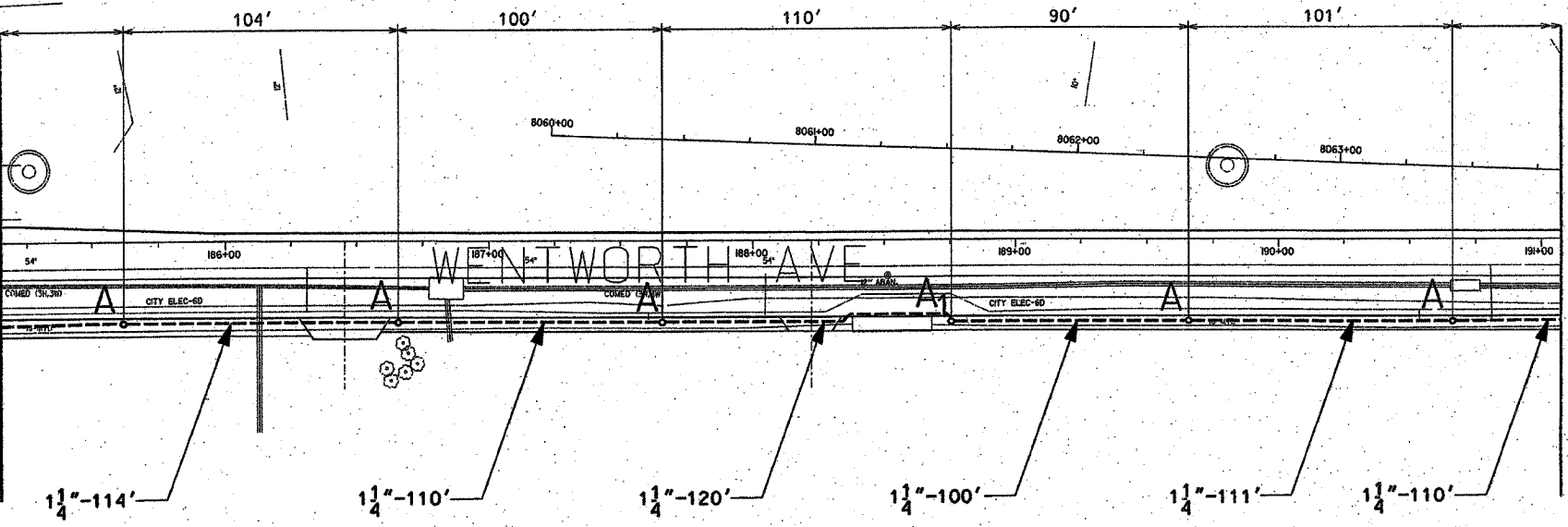
1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
HAND HOLE - 30" x 36" WITH 24" FRAME AND COVER
CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
OFFSET CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

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, FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.
"A'" - INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING No. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.
"B" - INSTALL 30" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

NOTES:
1. ROUTE PROPOSED CONDUIT RUN TO EXISTING MAHOLE AS SHOWN. DRILL EXISTING MAHOLE AND INSTALL PROPOSED CONDUIT THROUGH MAHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.

MATCH LINE
STATION 185+20

MATCH LINE
STATION 191+05
SEE SHEET 04-014



NOT INCLUDED IN THIS CONTRACT

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN P.R.S./ B.T.G.	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER P.R.S./ B.T.G.
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 04-013
ENGINEER OF ELECTRICITY:		DATE: 1/20/04
GEN'L SUPT. OF ELECTRICITY:		SCALE: 1" = 30'
DEPUTY COMMISSIONER:		DATE: February 11, 2005
SIZE: 22" x 36"		

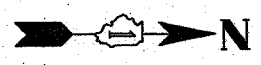
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th St. TO 47th St. (FRONTAGE ROADS)

STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES

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

REVISIONS	
NAME	DATE

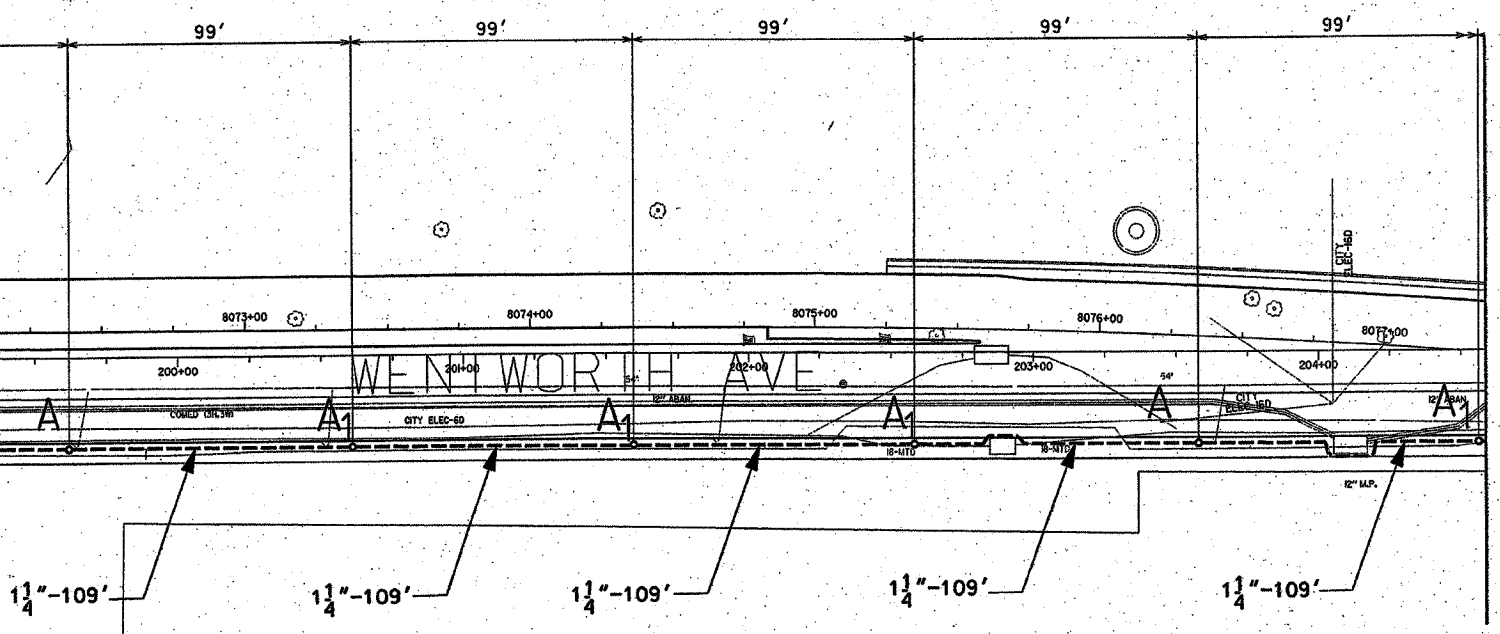
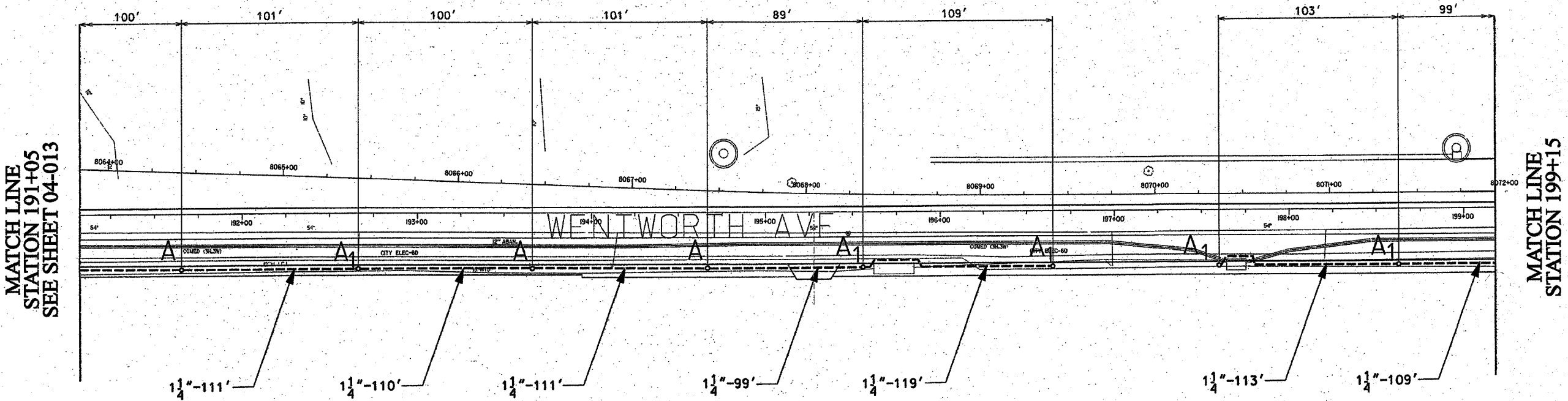
62807



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	•	COOK	37	25
STA. 191+00	TO STA. 204+00			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		

* 2004-068L

NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.



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; FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.

"A1" - INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING NO. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.

"B" - INSTALL 36" HANDHOLE AS PER DRAWING NO. 867 WITH 24" FRAME AND COVER.

1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
 CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
 OFFSET CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

FOR INSTALLATION PLAN SEE SHEET 04-023
 FOR REMOVAL PLAN SEE SHEET 04-029

MATCH LINE
STATION 199+15
SEE SHEET 04-015

MATCH LINE
STATION 204+60
SEE SHEET 04-015

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

DRAFTSMAN P.R.S./ B.T.G.	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER P.R.S./ B.T.G.
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	

ENGINEER OF ELECTRICITY: _____
 GEN'L SUPT. OF ELECTRICITY: _____
 DEPUTY COMMISSIONER: _____

DWG. NO. **04-014**

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

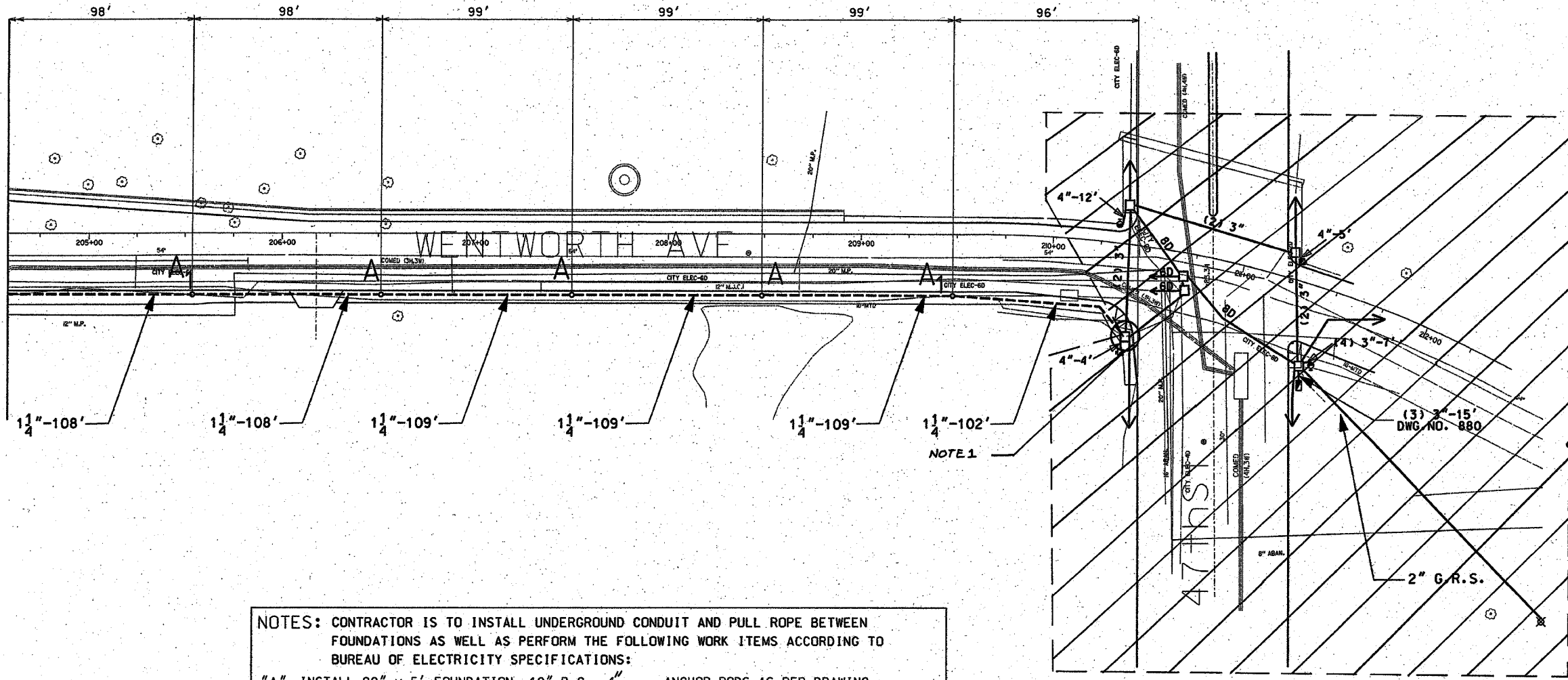
62907



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	26
STA. 204+60	TO STA. 212+05			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-068L				

NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

MATCH LINE
STATION 204+60
SEE SHEET 04-014



NOT INCLUDED IN THIS CONTRACT

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, FLUSH IN CONCRETE SIDEWALK, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE.

"A₁" - INSTALL 20" x 5' OFFSET FOUNDATION, 10" B.C., 1" ANCHOR RODS SIMILAR AS PER DRAWING No. 937, 2' OFF FACE OF CURB, UNLESS NOTED OTHERWISE. BUILD FOUNDATION FLUSH WITH SIDEWALK.

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

1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS
OFFSET CONCRETE FOUNDATION - 5' x 20", 10" B.C., 1" ANCHOR RODS

FOR INSTALLATION PLAN SEE SHEET 04-023
FOR REMOVAL PLAN SEE SHEET 04-029

NOTES:
1. ROUTE PROPOSED CONDUIT RUN TO EXISTING MAWHOLE AS SHOWN. DRILL THE EXISTING MAWHOLE AND INSTALL PROPOSED CONDUIT THROUGH MAWHOLE WALL. SEE DRAWING 130E-2 FOR DETAILS.

CITY OF CHICAGO			
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN: P.R.S./ B.T.G.	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: P.R.S./ B.T.G.	DWG. NO.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.		04-015
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)
57th St. TO 47th St. (FRONTAGE ROADS)

STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES

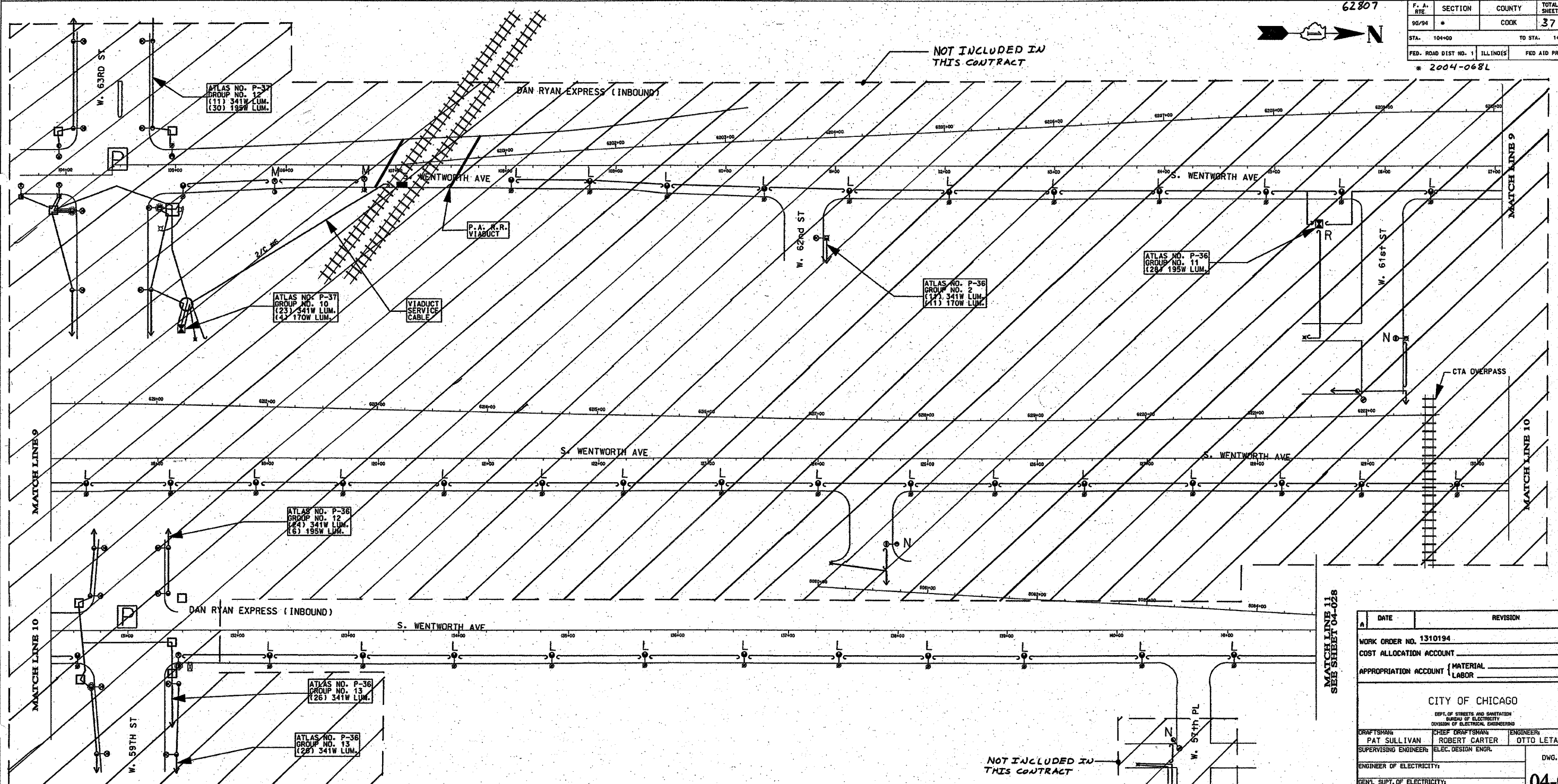
SCALE: 1" = 30'
DATE: February 11, 2005
DRAWN BY: B.T.G.
CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62807



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	27
STA. 104+00	TO STA. 141+00			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-068L				



NOT INCLUDED IN THIS CONTRACT

NOT INCLUDED IN THIS CONTRACT

MATCHLINE 11 SEE SHEET 04-028

- NOTES:
- "L" - REMOVE EMBEDDED STEEL POLE WITH LUMINAIRE AND MAST ARM.
 - "M" - REMOVE ANCHOR-BASE STEEL POLE WITH LUMINAIRE AND MAST ARM. BREAKDOWN FOUNDATION COMPLETE.
 - "N" - REMOVE AND RELOCATE ANCHOR-BASE STEEL POLE.
 - "P" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS AT INTERSECTION.
 - "R" - REMOVE POST MOUNTED STREET LIGHT CONTROLLER, REMOVE SERVICE EQUIPMENT, AND BREAKDOWN FOUNDATION COMPLETE.

FOR UNDERGROUND PLAN SEE SHEETS 04-008, 04-009, 04-010
 FOR INSTALLATION PLAN SEE SHEETS 04-020, 04-021

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	ENGINEER OTTO LETAMENDI
SUPERVISING ENGINEER ROBERT CARTER	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	DWG. NO. 04-027
GEN'L. Supt. OF ELECTRICITY:	DATE: 1/12/04
DEPUTY COMMISSIONER:	
SIZE: 22" 36"	SCALE: NONE

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

REMOVAL OF STREET LIGHTING EQUIPMENT

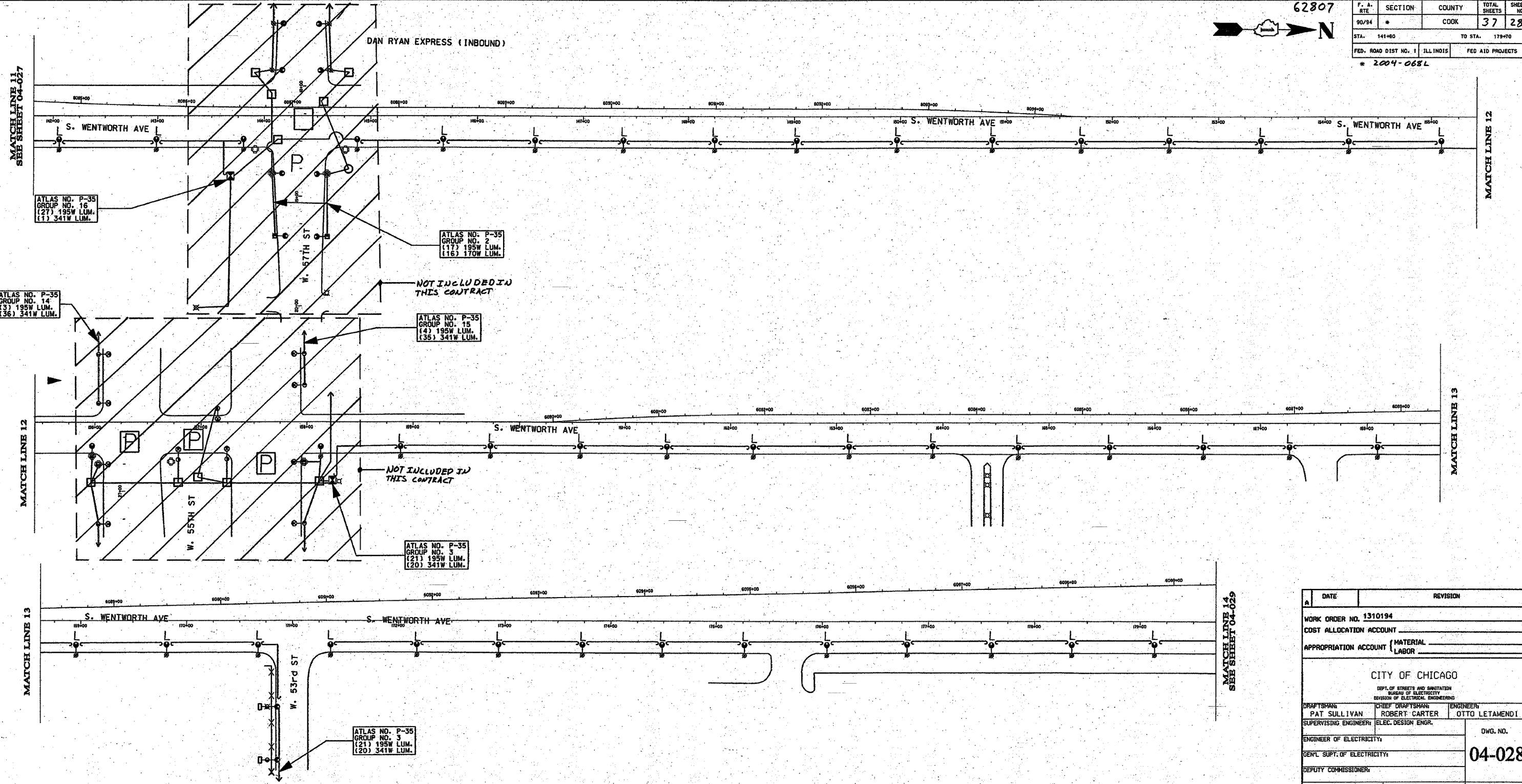
SCALE: NONE DRAWN BY: P.R.S.
 DATE: February 11, 2005 CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62807



F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	37	28
STA. 141+60			TO STA. 179+70	
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECTS	
* 2004-068L				



MATCH LINE 11
SEE SHEET 04-027

MATCH LINE 12

MATCH LINE 12

MATCH LINE 13

MATCH LINE 13

MATCH LINE 14
SEE SHEET 04-029

ATLAS NO. P-35
GROUP NO. 16
(27) 195W LUM.
(1) 341W LUM.

ATLAS NO. P-35
GROUP NO. 2
(17) 195W LUM.
(16) 170W LUM.

NOT INCLUDED IN
THIS CONTRACT

ATLAS NO. P-35
GROUP NO. 15
(4) 195W LUM.
(36) 341W LUM.

NOT INCLUDED IN
THIS CONTRACT

ATLAS NO. P-35
GROUP NO. 3
(21) 195W LUM.
(20) 341W LUM.

ATLAS NO. P-35
GROUP NO. 3
(21) 195W LUM.
(20) 341W LUM.

NOTES:
 "L" - REMOVE EMBEDDED STEEL POLE WITH LUMINAIRE AND MAST ARM.
 "P" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS
 AT INTERSECTION.

FOR UNDERGROUND PLAN SEE SHEETS 04-010, 04-011, 04-012, 04-013
 FOR INSTALLATION PLAN SEE SHEETS 04-021, 04-023

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:		04-028
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: NONE	DATE: 1/12/04
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 57th 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.

REVISIONS	
NAME	DATE

62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	29
STA. 179+00	TO STA. 212+00			
FED. ROAD DIST NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-068L				



MATCH LINE 14
SEE SHEET 04-028

MATCH LINE 15

MATCH LINE 15

MATCH LINE 16

ATLAS NO. P-34
GROUP NO. 7
(3) 195W LUM.
(21) 341W LUM.

NOT INCLUDED IN
THIS CONTRACT

ATLAS NO. P-34
GROUP NO. 7
(3) 195W LUM.
(21) 341W LUM.

ATLAS NO. P-34
GROUP NO. 5
(32) 195W LUM.
(4) 341W LUM.

ATLAS NO. P-33
GROUP NO. 6
(1) 170W LUM.
(29) 341W LUM.

ATLAS NO. P-33
GROUP NO. 6
(1) 170W LUM.
(29) 341W LUM.

ATLAS NO. P-32
GROUP NO. 17
(19) 195W LUM.
(6) 341W LUM.

NOT INCLUDED IN
THIS CONTRACT

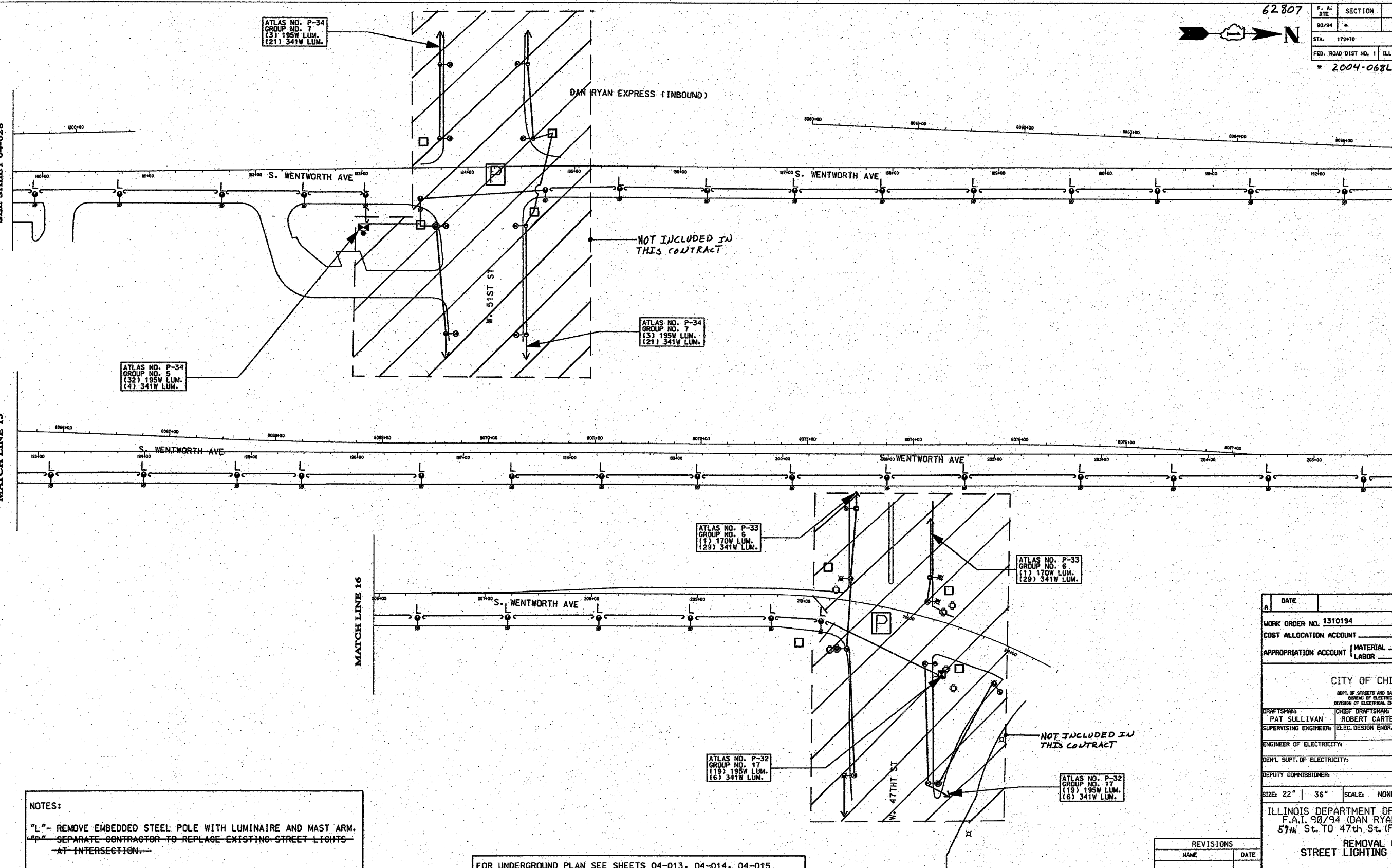
ATLAS NO. P-32
GROUP NO. 17
(19) 195W LUM.
(6) 341W LUM.

NOTES:
"L" - REMOVE EMBEDDED STEEL POLE WITH LUMINAIRE AND MAST ARM.
"M" - SEPARATE CONTRACTOR TO REPLACE EXISTING STREET LIGHTS AT INTERSECTION.

FOR UNDERGROUND PLAN SEE SHEETS 04-013, 04-014, 04-015
FOR INSTALLATION PLAN SEE SHEETS 04-022, 04-023

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.	DWG. NO.
ENGINEER OF ELECTRICITY:		04-029
GENL. 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) 57th 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.	

REVISIONS	
NAME	DATE



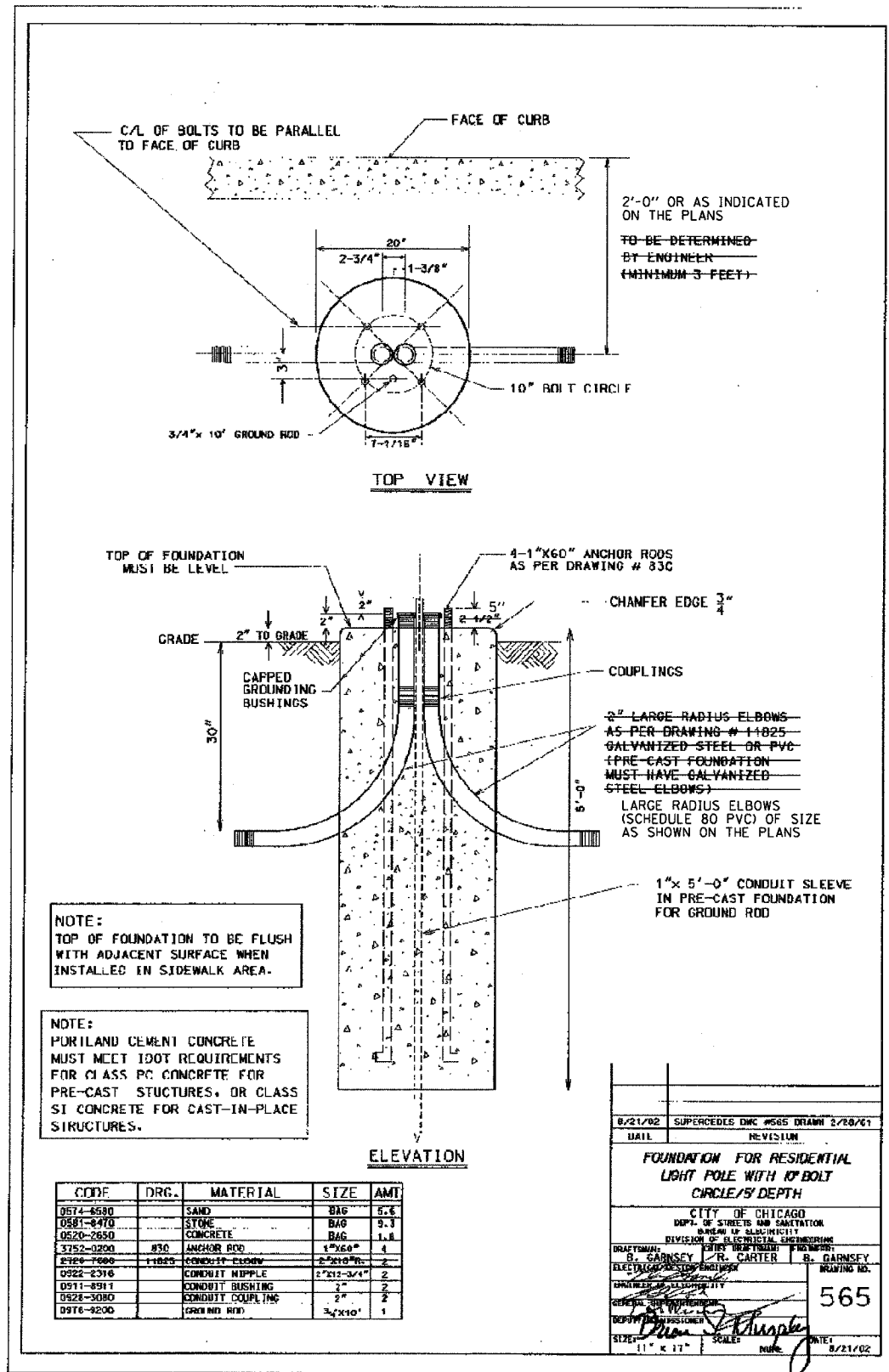
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	30
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

62807

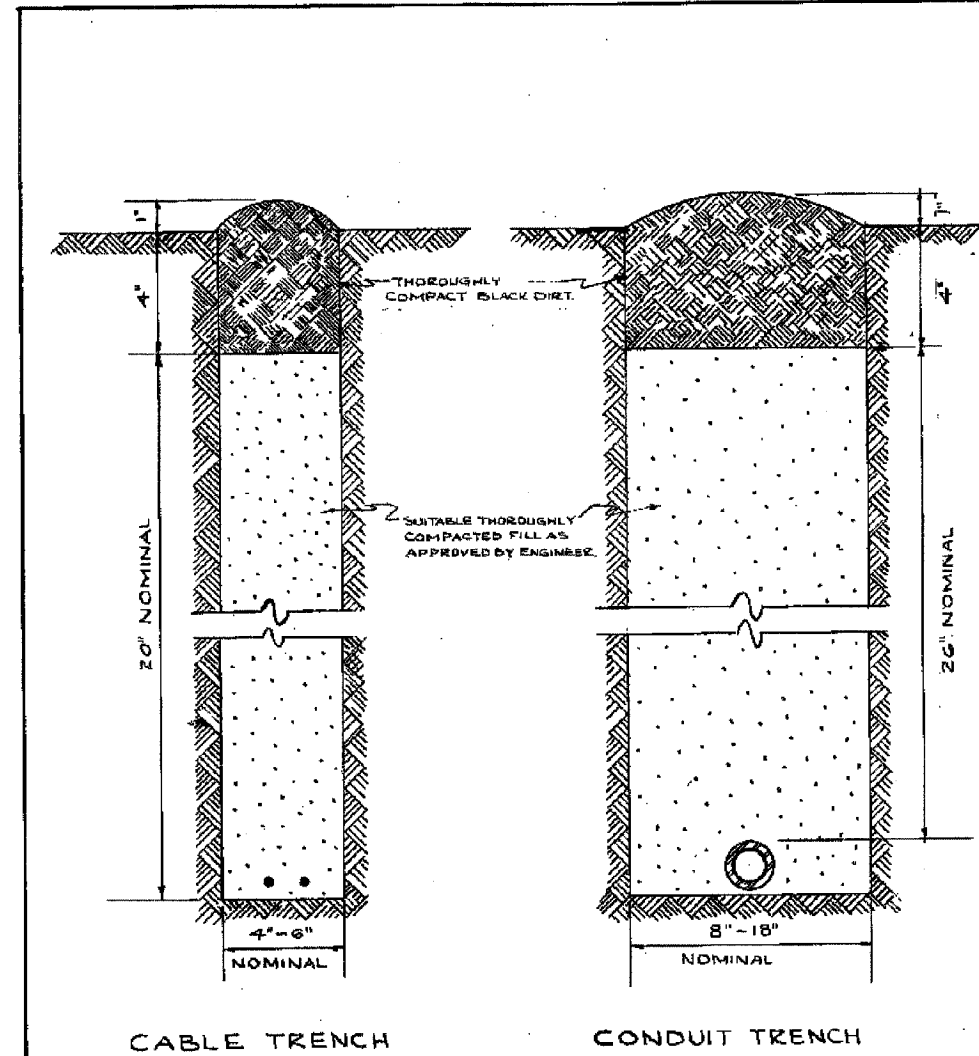
NOTES:

- 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.

V:\Circuits\1404665\1404665.dwg 14-01-05 14:05:00



(NOTE 1)



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

REVISION	DESCRIPTION
A	
B	
C	
D	
E	
F	
G	
H	

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

DRAWN: W. E. HARR
CHECKED: M. J. HARR
ENGINEER: J. O'CONNOR

ENG. IN CHARGE: [Signature]
SPT. OF CONST: [Signature]
DATE: 7-14-01

DRG. NO. 579

SIZE: 8 1/2" x 11" SCALE: N DATE: 7-14-01

REVISIONS	NAME	DATE

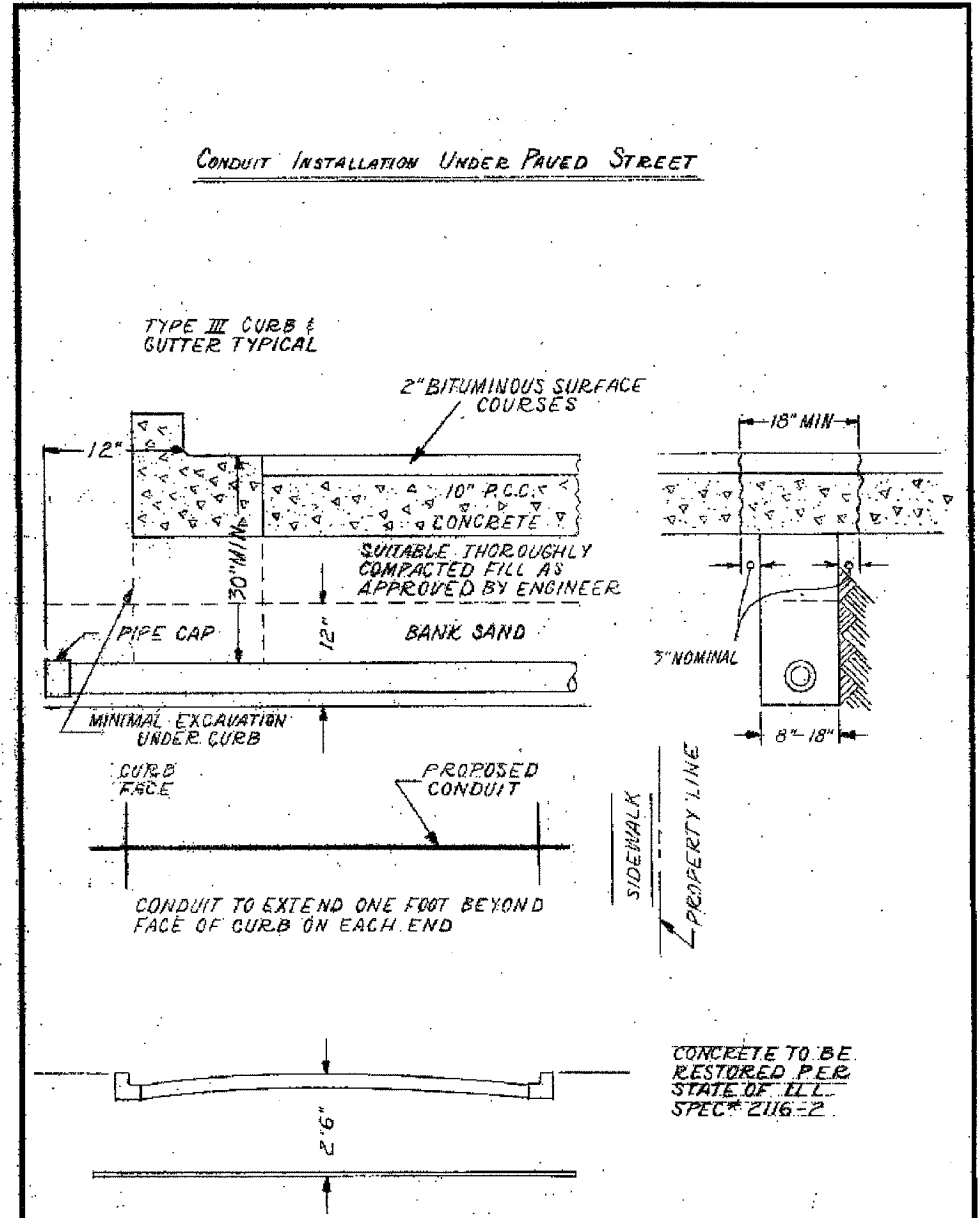
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WENTWORTH AVENUE

BOE STANDARD DETAILS

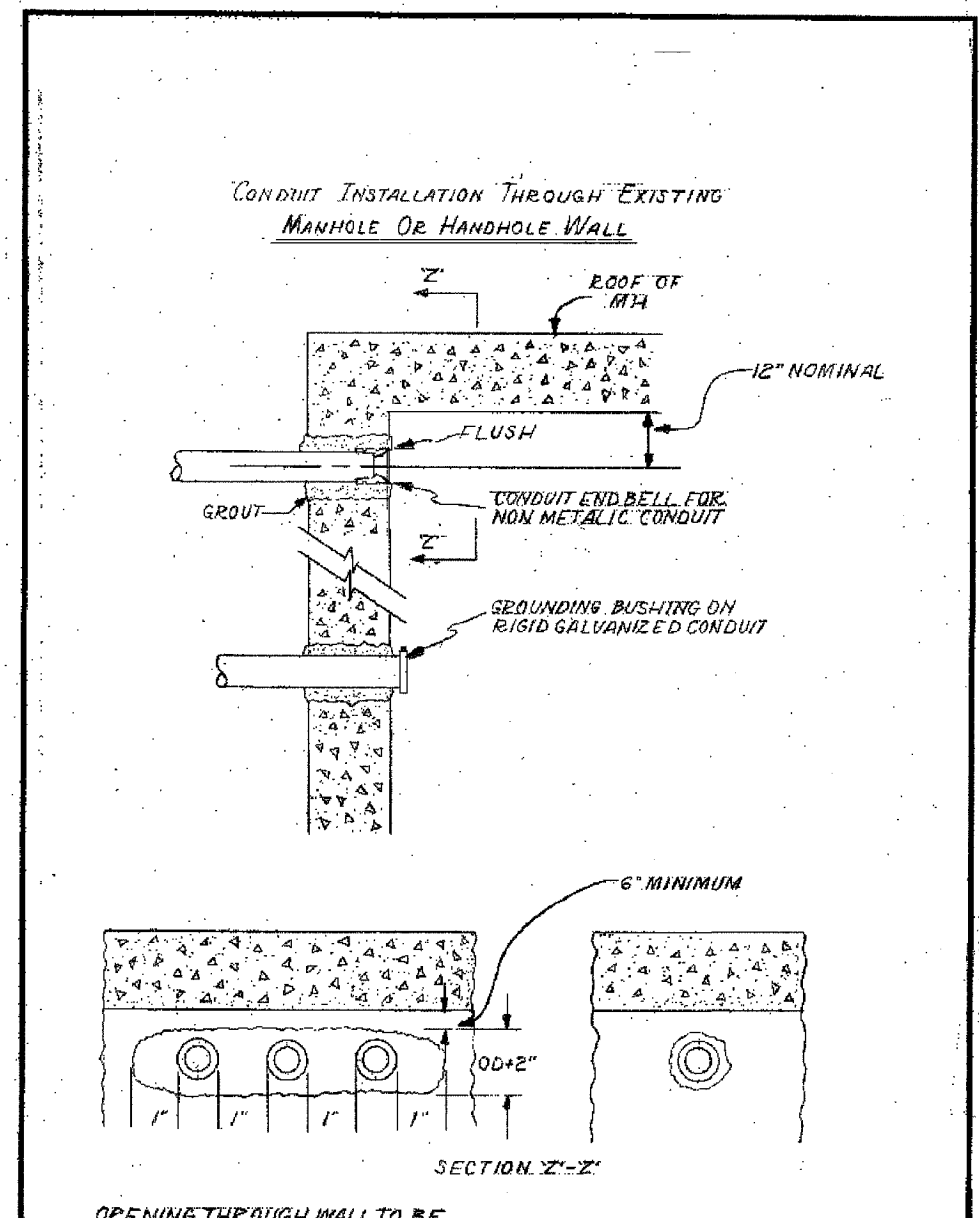
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DATE: February 11, 2005 CHECKED BY: WDS

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	31
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



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. SYKOWSKI	ENGINEER R.L. MARTIN
 THOMAS HILDRETH ENGINEER OF ELECTRICITY		813 DRG. NO.
 CHARLES E. BENTLEY ENGINEER OF ELECTRICITY		
8 1/2" X 14"	SCALE	N.T.S.



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. SYKOWSKI	ENGINEER R.L. MARTIN
 THOMAS HILDRETH ENGINEER OF ELECTRICITY		814 DRG. NO.
 CHARLES E. BENTLEY ENGINEER OF ELECTRICITY		
8 1/2" X 14"	SCALE	N.T.S.

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

REVISIONS	
NAME	DATE

V:\cib\m\m\m\40468\p40468\p40468\14-CAT\9-S\FACONTRAC1-9B15\BOE09630022A.DWG

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" DI A. 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", 3GA., 11" DIA. AND 17 1/4" B.C. 30"x9' FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' 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. (35', 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 STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL DECISIONS		
DESIGNED BY R. IVY	CHEF TRAFFIC SIGNALS R. CARTER	ENGINEER R. POOL/R.C./W.T.
SUPERVISING ENGINEER ELEC. DESIGN ENGINEER		DWG. NO. 826
ENGINEER IN CHARGE ELECTRICITY		DATE
DEPT. OF CONSTRUCTION		
DEPT. OF STREETS AND SANITATION		
SIZE: 22" X 36"	SCALE	

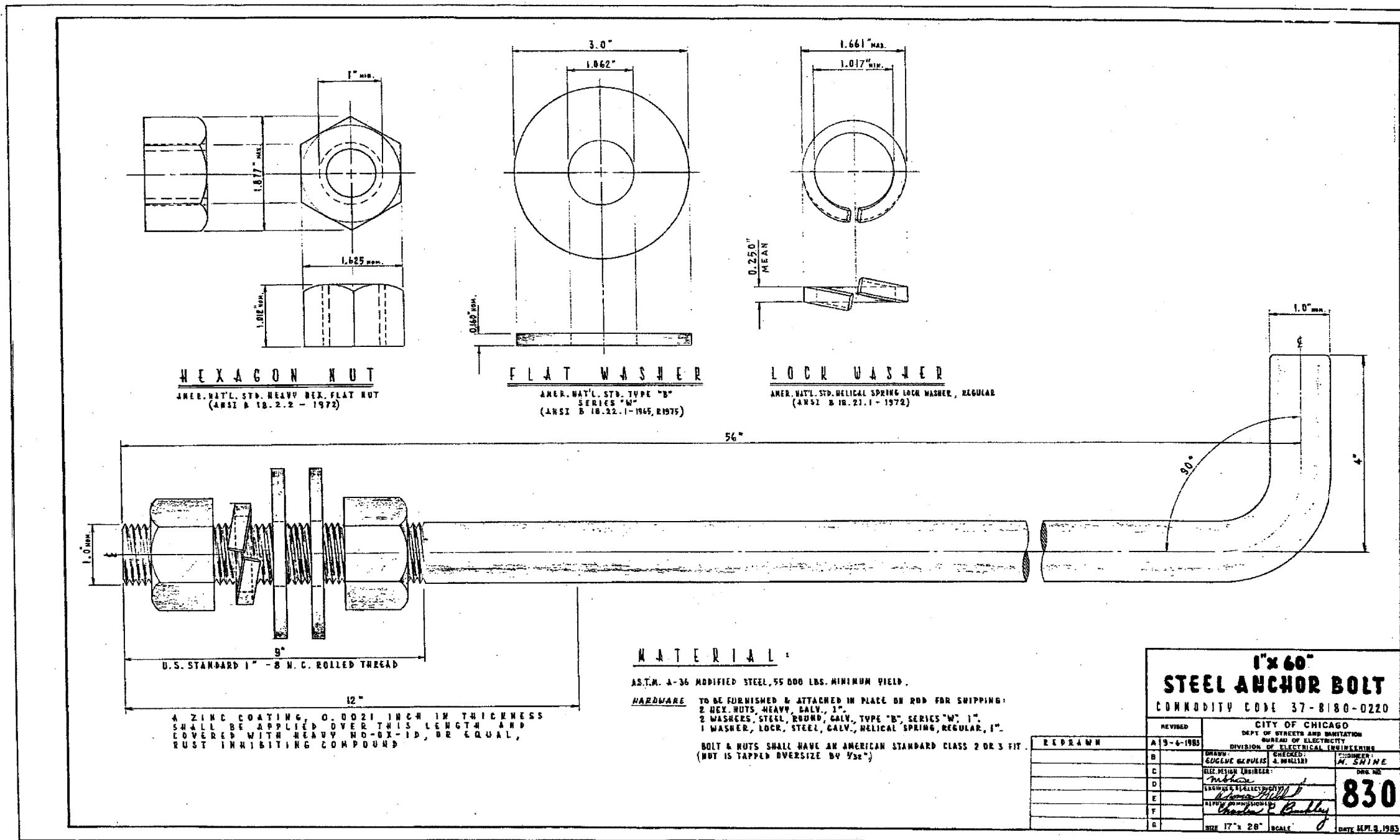
BOE-3

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
WENTWORTH AVENUE

BOE STANDARD DETAILS

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



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:

A.S.T.M. 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")

A ZINC COATING, 0.0021 INCH IN THICKNESS
 SHALL BE APPLIED OVER THIS LENGTH AND
 COVERED WITH HEAVY NO-OX-ID, OR EQUAL,
 RUST INHIBITING COMPOUND

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

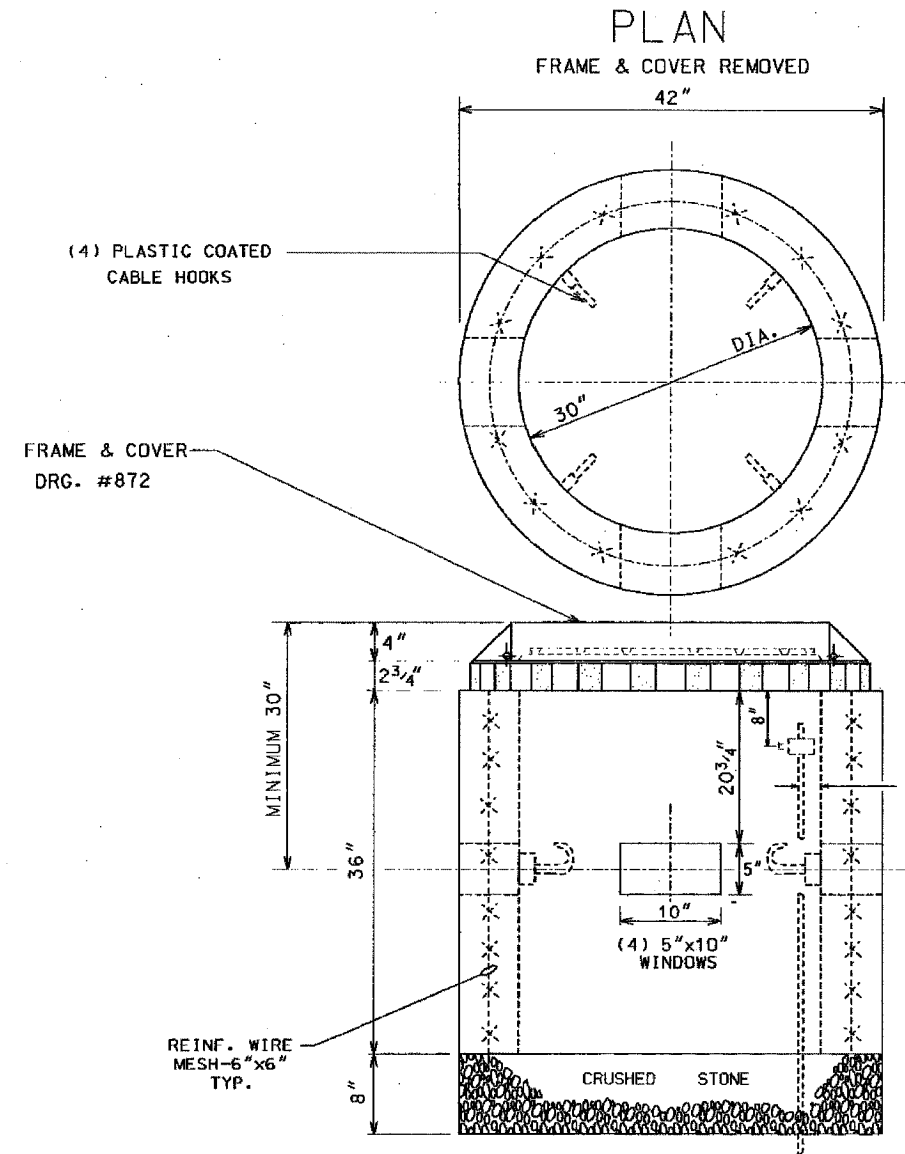
REVISED	A 13-6-1983	DESIGNED BY	EDUARD GELPULIS & WALLIS	CHECKED BY	W. SHINE
B		ENGINEER	EDUARD GELPULIS	DRAWN BY	830
C		DESIGNED BY	EDUARD GELPULIS	CHECKED BY	W. SHINE
D		ENGINEER	EDUARD GELPULIS	DRAWN BY	830
E		DESIGNED BY	EDUARD GELPULIS	CHECKED BY	W. SHINE
F		ENGINEER	EDUARD GELPULIS	DRAWN BY	830
G		DESIGNED BY	EDUARD GELPULIS	CHECKED BY	W. SHINE

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
 WENTWORTH AVENUE

BOE STANDARD DETAILS

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



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	SOND TUBE	30"	1
(2) 05-5082-5342	SOND 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:

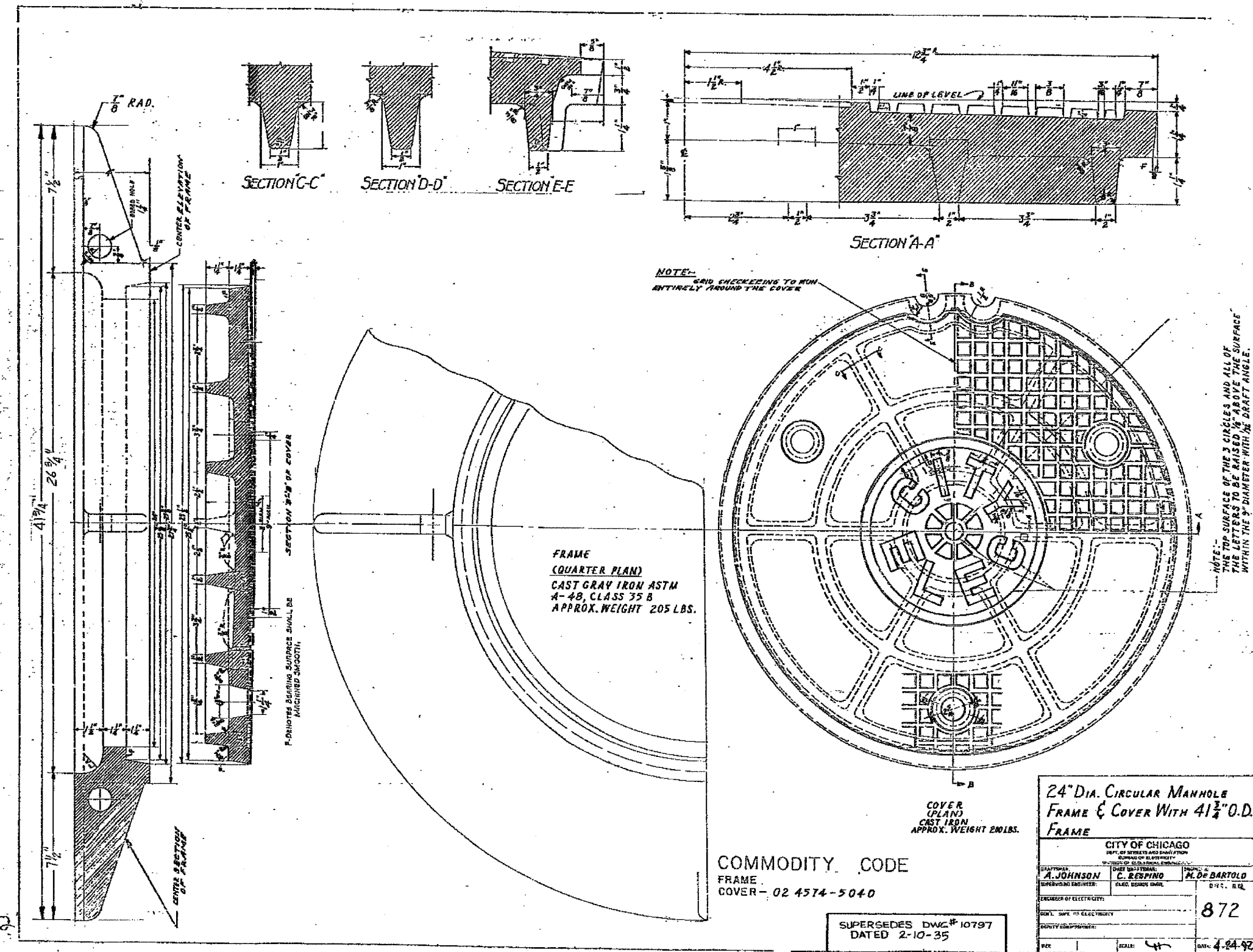
1. 8" BED OF STONE FOR DRAINAGE.
2. ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	(DC/ED)
A	12-8-95	REDRAW (CAD)	MP
	DATE	REVISION	
30" DIA. CONCRETE HANDHOLE			
CITY OF CHICAGO			
DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL UTILITIES			
DESIGNED BY	M. PATTON	CHECKED BY	W. CARTER
SUPERVISING ENGINEER	ET PC DESIGN ENGINEER	ENGINEER IN CHARGE	DEBARTOLO
ENGINEER OF ELECTRICAL UTILITIES		UWG. NO.	
GENL. SUPV. OF ELECTRICAL UTILITIES			867
DEPT. OF STREETS AND SANITATION			
SIZE: 11"		SCALE: NONE	DATE: 12-8-95

REVISIONS	NAME	DATE

02/02/2005 09:09:55 AM \\c:\tech\nt\p\40468\p\04068\elec\14-cmf-5-stn\contract 90.3\boe09b.3005.dwg

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	35
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



24" DIA. CIRCULAR MANHOLE FRAME & COVER WITH 4 1/2" O.D. FRAME		
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF SIGNALS AND TRAFFIC		
STATIONER A. JOHNSON	CHIEF ENGINEER C. RESPINO	ENGINEER M. DE BARTOLO
SUPERSEDES DWG # 10797 DATED 2-10-35		
ENGINEER OF ELECTRICITY		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
WENTWORTH AVENUE

BOE STANDARD DETAILS

SCALE: NONE
DATE: February 11, 2005

DRAWN BY: HAR
CHECKED BY: WDS

NOTES:

1. THE INSTALLATION OF OFFSET FOUNDATIONS FOR THIS CONTRACT IS SIMILAR TO BOE STANDARD 937. THE INSTALLATION OF AN OFFSET FOUNDATION SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION WORK.

NOTES

1. EXCAVATION OF THE POLE FOUNDATION MUST BE MADE WITH AN AUGER, 30" IN DIAMETER
2. THE ANCHOR WILL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
3. THE ANCHOR BOLTS AND CONDUITS MUST BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM
4. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS MUST BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A153
5. ANCHOR BOLTS AND CONDUITS MUST PROJECT 5-3/4" ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR MUST CONFIRM ANCHOR BOLT AND CONDUIT EXTENSIONS WITH ENGINEER.
6. POLES MUST BE INSTALLED PER DRAWING 837
7. THE CONDUIT TRENCH MUST BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED
8. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS S1 CONCRETE
9. ALL REINFORCEMENT SHALL HAVE A MINIMUM 3" COVER OF CONCRETE

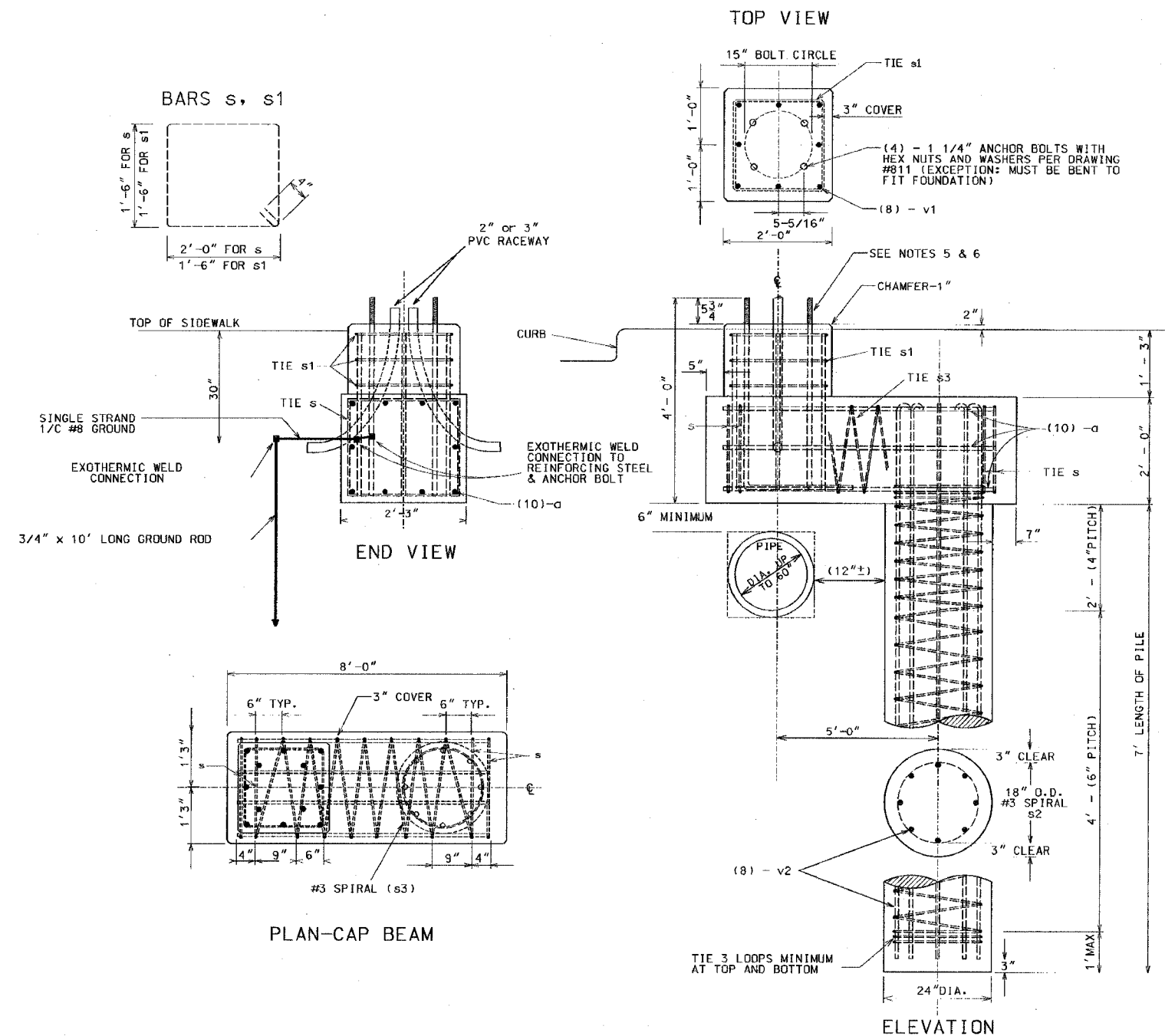
RE-BAR SCHEDULE

MARK	NO.	SIZE	SHAPE	LENGTH
a	10	6	—	7'-0"
s	4	4	□	7'-8"
s1	3	3	□	6'-8"
s2	1	3	○	99'-3"
s3	1	3	○	99'-8"
v1	8	6	—	2'-11"
v2	8	6	—	9'-0"

OFFSET FOUNDATION FOR LIGHT POLE

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

DRAFTSMAN: B. GARNSEY	ENGINEER: GARNSEY, LETAMENDI	DWG. NO. 937
SUPERVISING ENGINEER: [Signature]	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICALITY: [Signature]	DATE: 1/28/03	
GEN. SUPV. OF ELECTRICALITY: [Signature]	SCALE: N.T.S.	
DEPT. PERMISSIBLES: [Signature]		



(NOTE 1)

BOE-7

REVISIONS	NAME	DATE

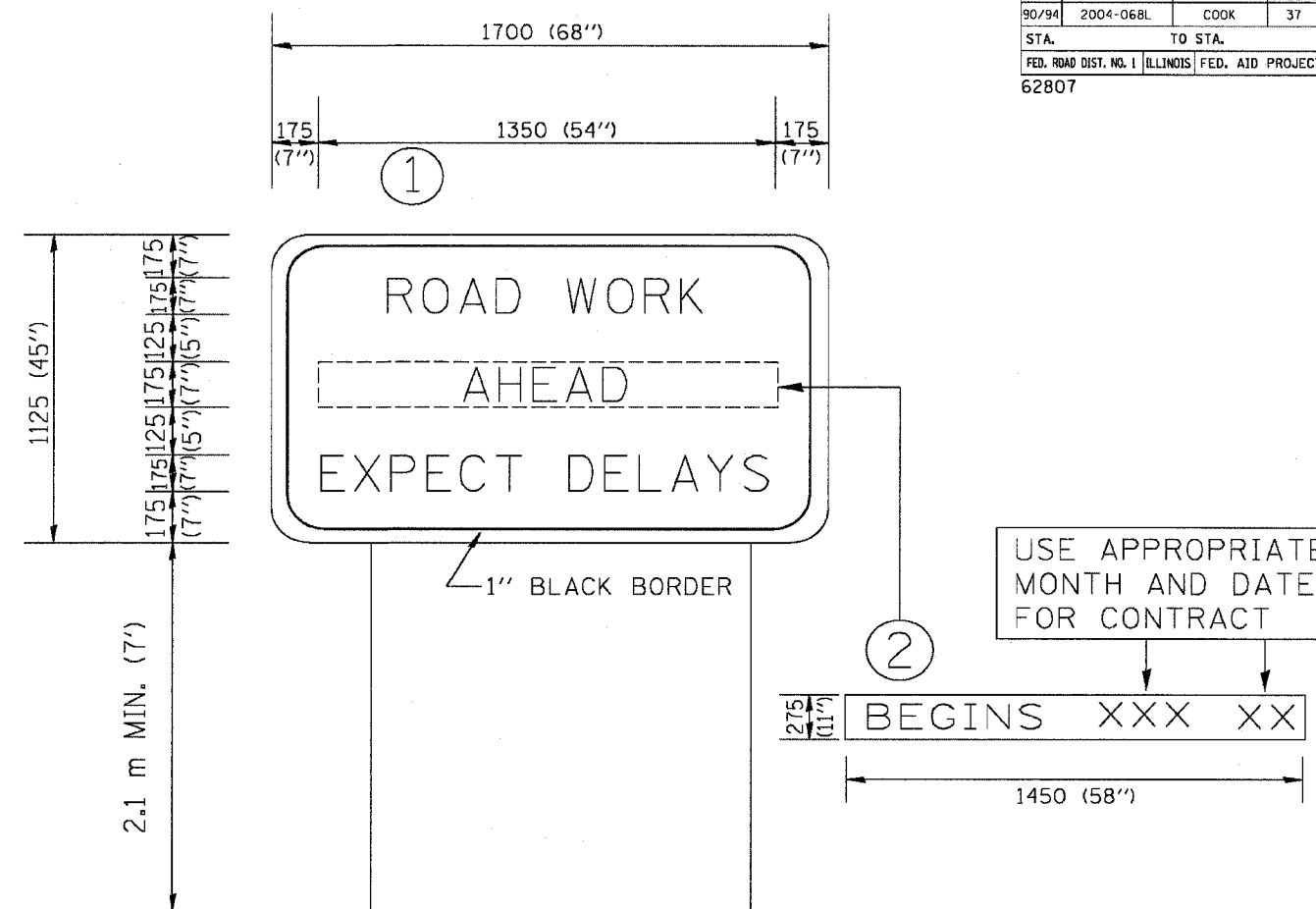
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WENTWORTH AVENUE

BOE STANDARD DETAILS

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

02/10/2005 09:02:57 AM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	37
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



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: BUR. OF DESIGN
CHECKED BY:

TC22
REVISION DATE: 02/02/99