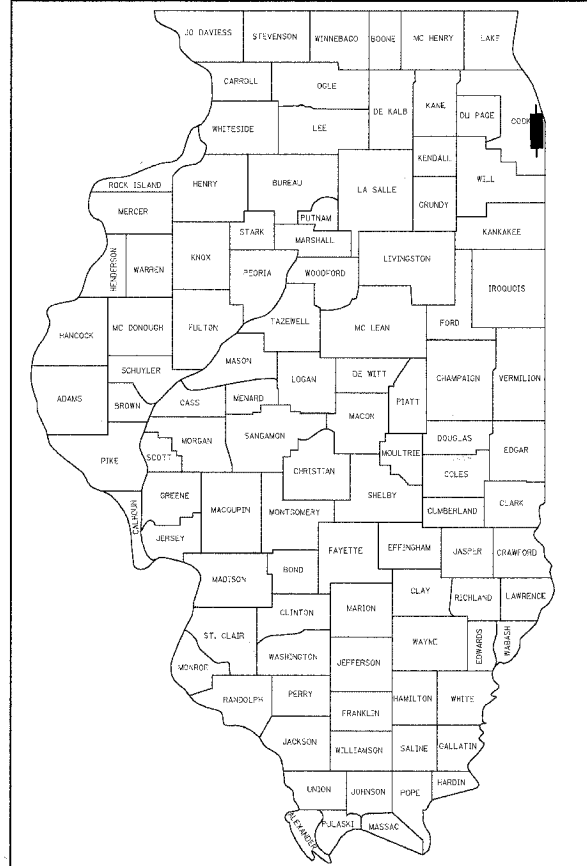


62807

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

D-91-419-01



LOCATION OF SECTION INDICATED THUS: -

### 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

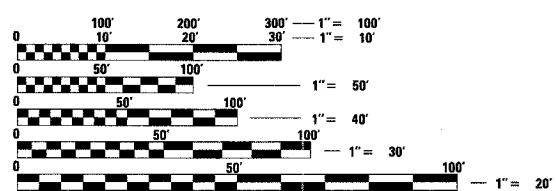
### PROJECT LOCATED IN CITY OF CHICAGO

### DESIGN DESIGNATION

WENTWORTH AVE: 6259 (20) URBAN COLLECTOR

ADT DESIGN POSTED  
(2020) SPEED SPEED

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

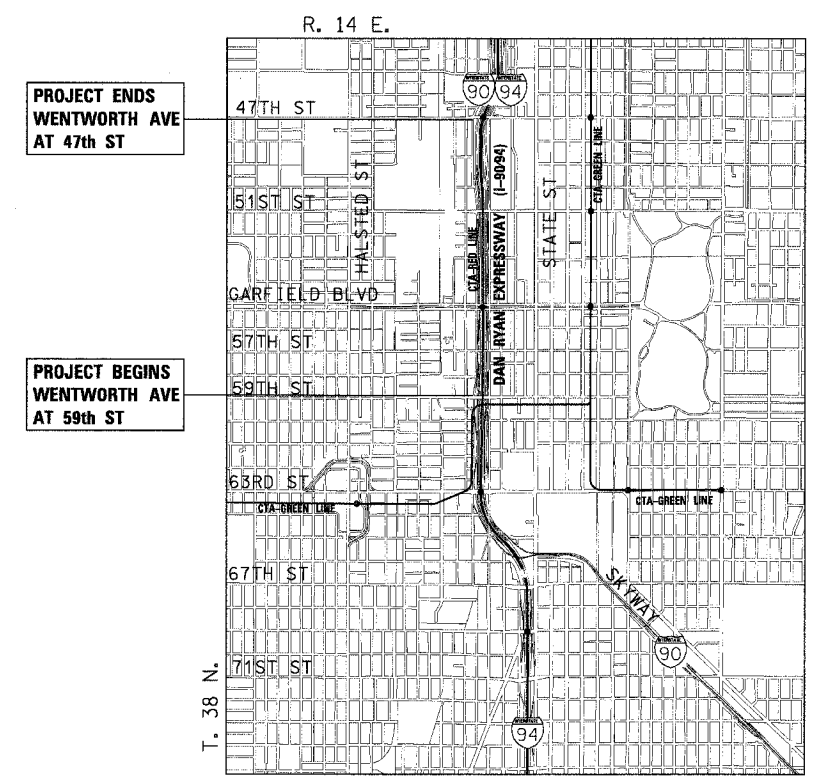
CONTRACT NO. 62807

## 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



### LOCATION MAP

GROSS LENGTH OF PROJECT = 7920 FT (1.500 MILES)  
NET LENGTH OF PROJECT = 7920 FT (1.500 MILES)

JOHN A. LUKOWSKI  
062-053522  
REGISTERED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
1-19  
SHEET NOS.

11-30-05  
EXPIRES  
2-2-08  
DATE

JAMES P. COLEMAN  
062-033912  
REGISTERED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
20-27  
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 / AP  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
March 25, 20 05  
Mike Nunez / PD  
ENGINEER OF DESIGN AND ENVIRONMENT  
March 25, 20 05  
Viktor Moderski / PD  
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

CONTRACT NO. 9B13

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

\\wichei-ni7\p40468\p40468\elec\4 cntr9\stn\contract 9bl3\gn09b130012.1.sst

02/02/2005 09:09:10 AM

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

2. 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.

3. 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).

4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF  
CHICAGO.

5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT  
WRITTEN PERMISSION FROM THE DEPARTMENT.

6. 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.

7. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO  
ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. \_\_\_\_\_

15. 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.

16. 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.

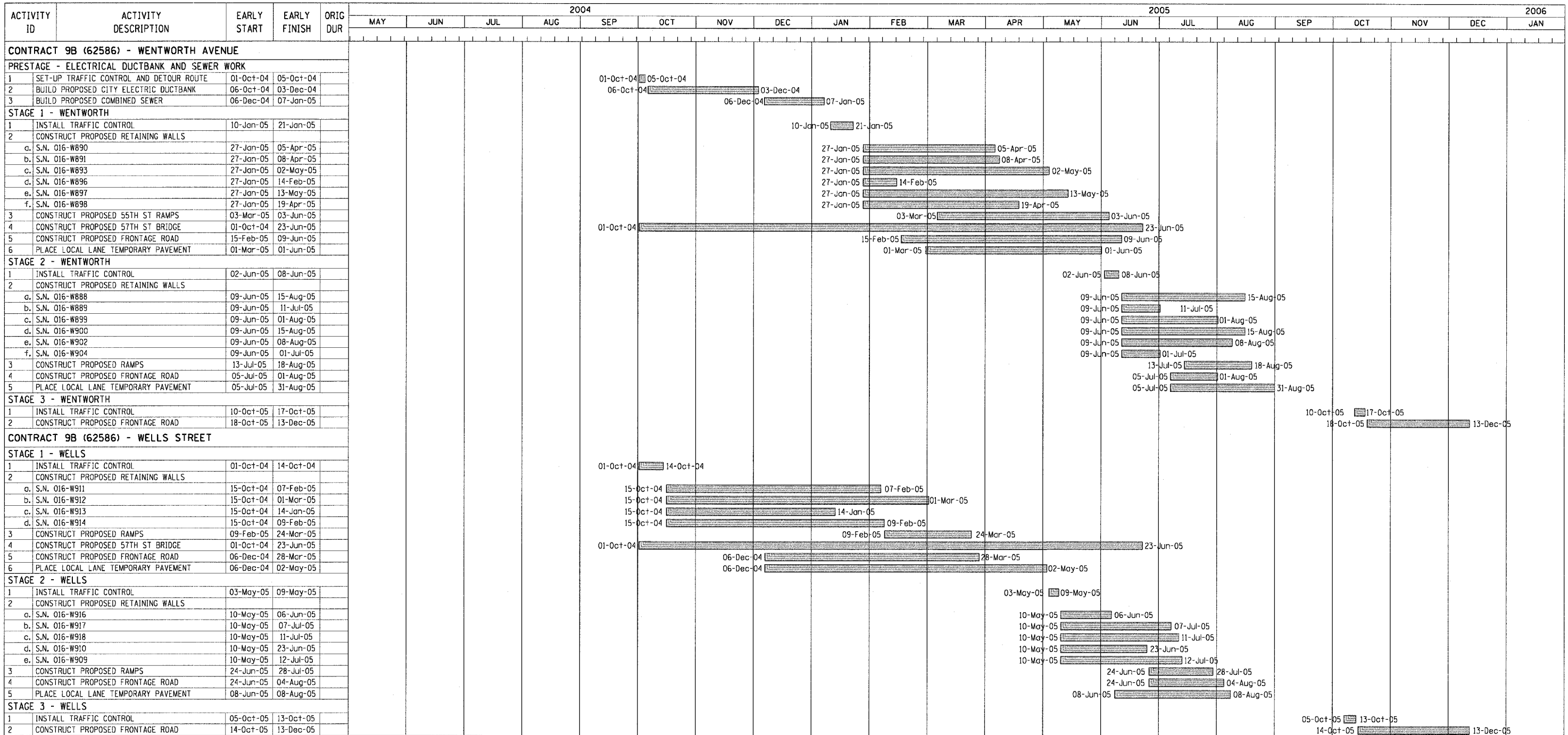
17. THE CONTRACTOR SHALL NOT INSTALL ANY LIGHT POLE FOUNDATIONS UNTIL SUCH TIME AS THE LOCATION  
OF THE PROPOSED CURB HAS BEEN ESTABLISHED AND STAKED. COORDINATE THIS WORK WITH IDOT  
CONTRACT NOS. 62586, 62809, 62811, 62812, 62814.

18. 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.
19. THE CONTRACTOR SHALL NOT DE-ENERGIZE ANY EXISTING ELECTRICAL EQUIPMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
20. 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.
21. 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.
22. 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.
23. GROUND RODS MUST BE INSTALLED FOR SERVICE GROUNDING AT LIGHTING CONTROLLER FOUNDATIONS AND AT EACH CONCRETE LIGHT POLE FOUNDATION.
24. 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.
25. 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.

1. 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.
2. 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.
3. 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.



1. 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.
2. 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 AT ILLINOIS STATE GEOLOGICAL SURVEY (ISGS) IS REQUESTING THAT YOU DETERMINE THE IMPLICATIONS OF FUTURE DESIGN CHANGES, PLEASE REFER TO THE PESA REVIEW COVER MEMOS FOR ISGS #106A, AS DEPICTED IN EXHIBIT 7 - SPECIAL WASTE WAIVER IN THE CLASS OF ACTION DETERMINATION (ECAD).

**CTE ENGINEERS**  
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.  
303 EAST WACKER DRIVE, SUITE 600  
CHICAGO ILLINOIS 60601-5212. PHONE: (312) 538-0300



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



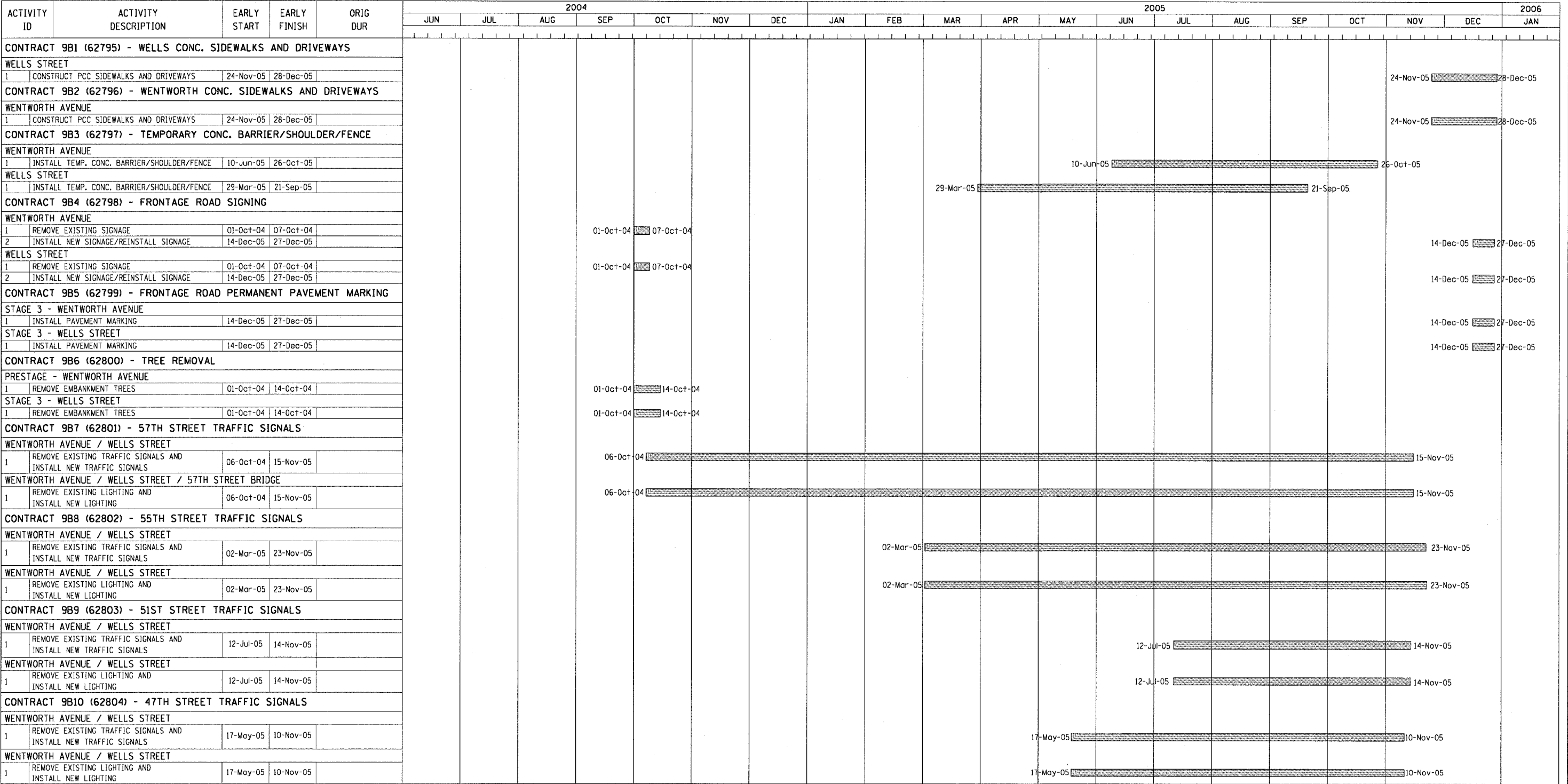
REVISIONS	
NAME	DATE

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: JAL



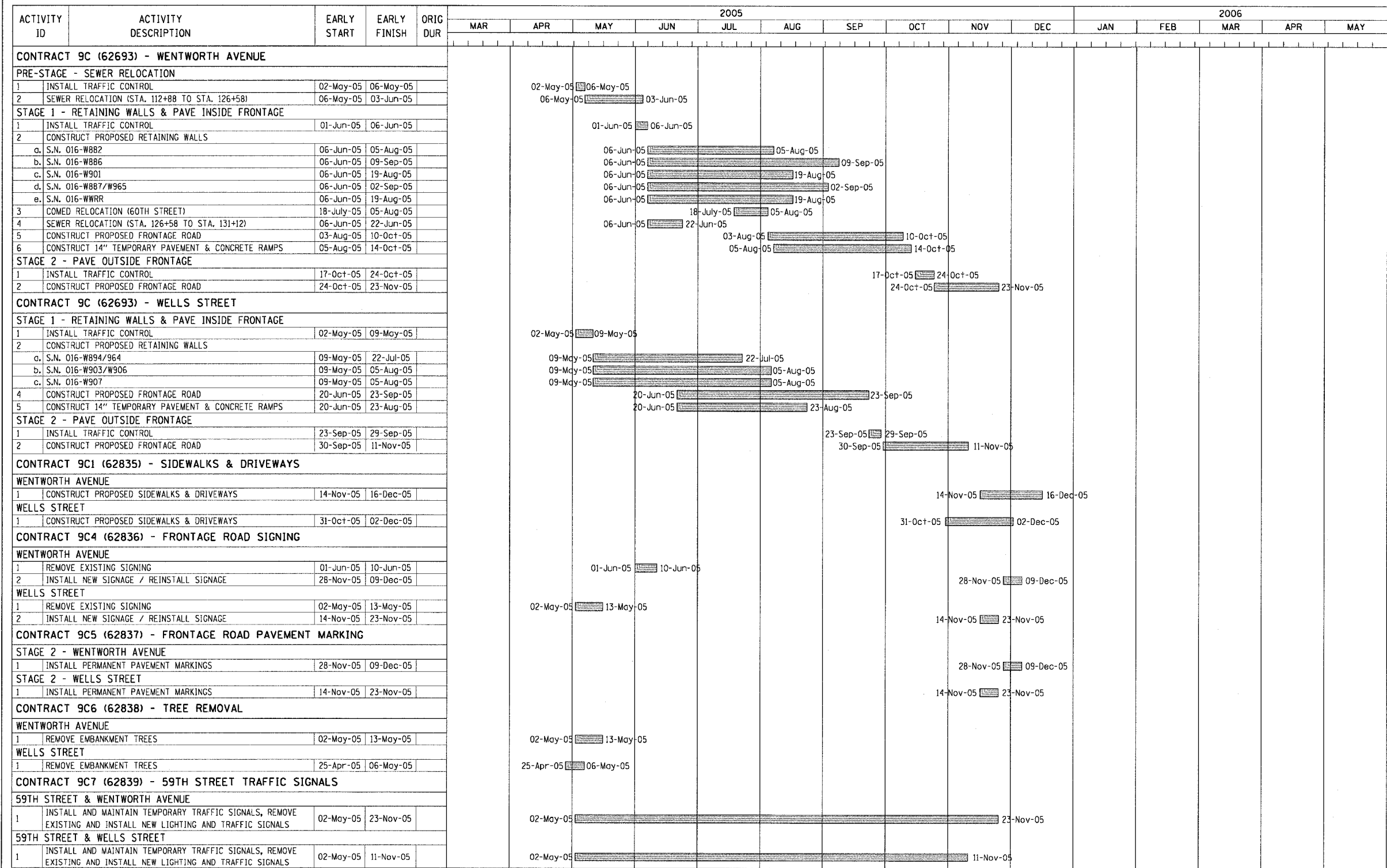
NOTE: DATES ASSOCIATED WITH WORK ITEMS MAY CHANGE BASED ON OTHER CONTRACTS AND/OR THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED DUE TO CHANGES OR EXTENSIONS IN THE SCHEDULE.

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



REVISIONS		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
NAME	DATE	





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

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 9C8 (62840) - 63RD STREET TRAFFIC SIGNALS																							
63RD 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			02-May-05											23-Nov-05						
63RD 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			02-May-05									11-Nov-05								
CONTRACT 9C11 (62841) - SEWER TELEVISION																							
WENTWORTH AVENUE																							
1	TELEWISE EXISTING SEWER	02-May-05	13-May-05			02-May-05			13-May-05														
2	TELEWISE EXISTING AND PROPOSED SEWER	14-Nov-05	23-Nov-05											14-Nov-05			23-Nov-05						
WELLS STREET																							
1	TELEWISE EXISTING SEWER	02-May-05	13-May-05			02-May-05			13-May-05														
2	TELEWISE EXISTING AND PROPOSED SEWER	31-Oct-05	11-Nov-05											31-Oct-05			11-Nov-05						
CONTRACT 9C12 (62842) - CONDUIT & LIGHT POLE FOUNDATIONS																							
STAGE 2 - WENTWORTH AVENUE																							
1	CONSTRUCT NEW LIGHTING FOUNDATIONS	17-Oct-05	23-Nov-05										17-Oct-05			23-Nov-05							
STAGE 2 - WELLS STREET																							
1	CONSTRUCT NEW LIGHTING FOUNDATIONS	26-Sep-05	28-Oct-05								26-Sep-05			28-Oct-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



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62807

URBAN  
90% FEO.  
10% STATE

[illegible]☐ NON-PARTICIPATING

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

SUMMARY OF QUANTITIES

SCALE: NONE  
DATE: February 11, 2005

DRAWN BY: CJM  
CHECKED BY: WDS





## CURVE COLLNB01

P.I. STA= 17+15.43  
N= 1,858,574.87  
E= 1,177,378.55  
Δ= 2° 07' 33"  
D= 0° 28' 38"  
R= 12,000.00'  
T= 222.67'  
L= 445.29  
E= 2.06'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 14+92.76  
N= 1,858,352.21  
E= 1,177,377.25  
P.T. STA= 19+38.05  
N= 1,858,797.43  
E= 1,177,371.58

## CURVE COLLNB02

P.I. STA= 25+45.61  
N= 1,859,404.70  
E= 1,177,352.58  
Δ= 1° 17' 10"  
D= 0° 24' 33"  
R= 14,000.00'  
T= 157.14'  
L= 314.27  
E= 0.88'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 23+88.47  
N= 1,859,247.63  
E= 1,177,357.49  
P.T. STA= 27+02.74  
N= 1,859,561.83  
E= 1,177,351.19

## CURVE COLLNB03

P.I. STA= 28+45.20  
N= 1,859,704.28  
E= 1,177,349.93  
Δ= 1° 09' 57"  
D= 0° 24' 33"  
R= 14,000.00'  
T= 142.45'  
L= 284.90  
E= 0.72'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 27+02.74  
N= 1,859,561.83  
E= 1,177,351.19  
P.T. STA= 29+87.65  
N= 1,859,846.68  
E= 1,177,345.77

## CURVE COLLNB01

P.I. STA= 62+03.18  
N= 1,858,576.31  
E= 1,177,181.55  
Δ= 0° 45' 55"  
D= 0° 14' 56"  
R= 23,000.00'  
T= 153.61'  
L= 307.23  
E= 0.51'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 60+49.56  
N= 1,858,422.76  
E= 1,177,186.19  
P.T. STA= 63+56.79  
N= 1,858,729.78  
E= 1,177,174.87

## CURVE COLLNB02

P.I. STA= 70+53.37  
N= 1,859,425.70  
E= 1,177,144.56  
Δ= 0° 22' 48"  
D= 0° 14' 56"  
R= 40,000.00'  
T= 132.70'  
L= 265.40  
E= 0.22'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 69+20.67  
N= 1,859,293.13  
E= 1,177,150.34  
P.T. STA= 71+86.08  
N= 1,859,558.24  
E= 1,177,137.91

## CURVE COLLNB03

P.I. STA= 81+04.03  
N= 1,860,475.04  
E= 1,177,091.89  
Δ= 8° 56' 14"  
D= 0° 14' 56"  
R= 1,766.00'  
T= 138.01'  
L= 275.46  
E= 5.38'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 79+66.02  
N= 1,860,337.20  
E= 1,177,098.81  
P.T. STA= 82+41.49  
N= 1,860,610.14  
E= 1,177,063.64

## CURVE SBRMPO1

P.I. STA= 7107+24.23  
N= 1,859,529.38  
E= 1,177,115.44  
Δ= 5° 33' 25"  
D= 2° 51' 53"  
R= 2,000.00'  
T= 97.06'  
L= 193.98  
E= 2.35'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 7106+27.17  
N= 1,859,625.44  
E= 1,177,101.51  
P.T. STA= 7108+21.14  
N= 1,859,432.42  
E= 1,177,120.01

## CURVE SBRMPO2

P.I. STA= 7108+91.39  
N= 1,859,362.26  
E= 1,177,123.31  
Δ= 0° 12' 05"  
D= 0° 08' 36"  
R= 39,975.44'  
T= 70.24'  
L= 140.48  
E= 0.06'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 7108+21.14  
N= 1,859,432.42  
E= 1,177,120.01  
P.T. STA= 7109+61.63  
N= 1,859,292.09  
E= 1,177,126.36

## CURVE SBRMPO3

P.I. STA= 7110+86.37  
N= 1,859,167.46  
E= 1,177,131.79  
Δ= 6° 54' 42"  
D= 3° 49' 11"  
R= 1,500.00'  
T= 90.58'  
L= 180.95  
E= 2.73'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 7109+95.79  
N= 1,859,257.95  
E= 1,177,127.85  
P.T. STA= 7111+76.74  
N= 1,859,077.14  
E= 1,177,124.81

## CURVE SBRMPO4

P.I. STA= 7119+30.94  
N= 1,858,325.18  
E= 1,177,066.71  
Δ= 5° 56' 51"  
D= 28° 38' 52"  
R= 200.00'  
T= 10.39'  
L= 20.76  
E= 0.27'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 7119+20.55  
N= 1,858,335.54  
E= 1,177,067.52  
P.T. STA= 7119+41.31  
N= 1,858,314.79  
E= 1,177,066.99

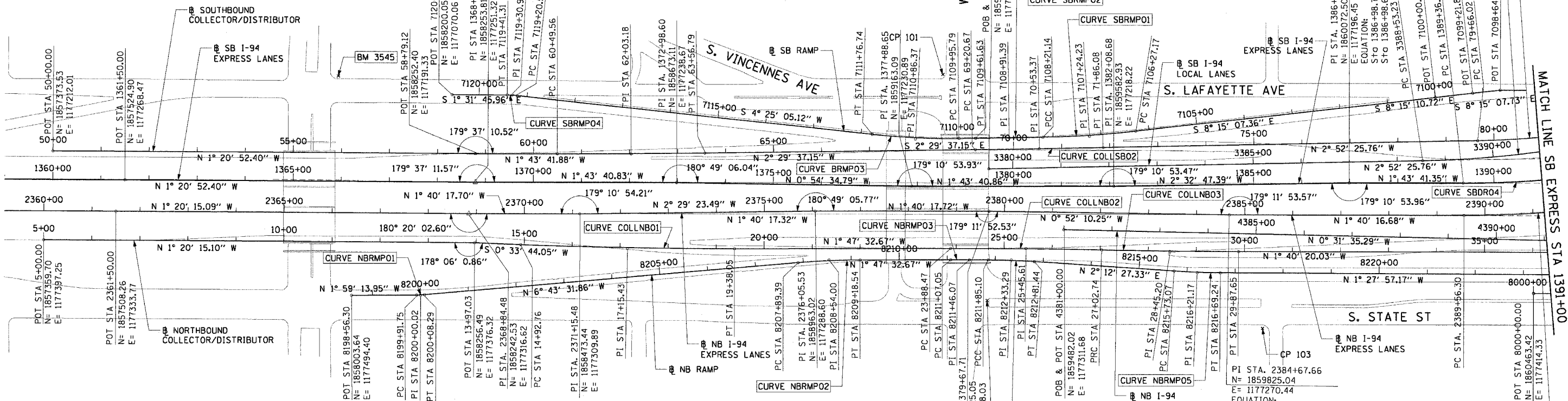
F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	9
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	62807	

W. 72nd ST

W. 71st ST

W. 69th ST

MATCH LINE SB EXPRESS STA 1391+00



## BENCH MARK NO. 3528 ELEV. 16.20

DESCRIPTION:  
CROSS CUT ON NORTHWESTERLY BOLT OF FIRE HYDRANT  
AT THE NORTHWEST CORNER OF 45TH ST AND WENTWORTH AVE

## BENCH MARK NO. 3530 ELEV. 18.18

DESCRIPTION:  
CROSS CUT ON SOUTHEAST BOLT OF LIGHT POLE BASE  
AT THE NORTHWEST CORNER OF 51ST ST AND WELLS ST

## BENCH MARK NO. 3531 ELEV. 17.55

DESCRIPTION:  
CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE NORTHEAST CORNER OF GARFIELD BLVD AND WELLS ST

## BENCH MARK NO. 3532 ELEV. 18.84

DESCRIPTION:  
HORIZONTAL BOLT ON CTA "EL" STRUCTURE, EAST SIDE OF  
WELLS ST ABOUT 50 FEET NORTH OF 59TH PL.

## BENCH MARK NO. 3533 ELEV. 19.71

DESCRIPTION:  
BRASS DISK (CTA MONUMENT) AT THE SOUTHWEST CORNER  
OF 63RD ST AND HARVARD ST

## BENCH MARK NO. 3535 ELEV. 19.31

DESCRIPTION:  
FOUND CROSS CUT ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE NORTHEAST CORNER OF 59TH ST AND WENTWORTH AVE

## BENCH MARK NO. 3536 ELEV. 18.37

DESCRIPTION:  
CROSS CUT ON SOUTHEASTERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE SOUTHEAST CORNER OF GARFIELD BLVD AND WENTWORTH AVE

## BENCH MARK NO. 3537 ELEV. 17.71

DESCRIPTION:  
CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE NORTHEAST CORNER OF 51ST ST AND WENTWORTH AVE

## BENCH MARK NO. 3538 ELEV. 17.31

DESCRIPTION:  
CROSS CUT ON EASTERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE NORTHEAST CORNER OF 47TH ST AND LASALLE ST

## BENCH MARK NO. 3544 ELEV. 19.38

DESCRIPTION:  
CROSS CUT ON WESTERLY FLANGE BOLT OF FIRE HYDRANT  
AT THE NORTHWEST CORNER OF 67TH ST AND LAFAYETTE AVE

## BENCH MARK NO. 3545 ELEV. 10.53

DESCRIPTION:  
CROSS CUT ON NORTHWEST BOLT OF LIGHT POLE BASE  
AT THE NORTHWEST CORNER OF 71ST ST AND LAFAYETTE AVE

## CURVE NBRMPO1

P.I. STA= 8200+00.02  
N= 1,858,147.27  
E= 1,177,489.42  
Δ= 4° 44' 18"  
D= 28° 38' 52"  
R= 200.00'  
T= 8.27'  
L= 16.54  
E= 0.17'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 8199+91.75  
N= 1,858,139.01  
E= 1,177,489.70  
P.T. STA= 8200+08.29  
N= 1,858,155.49  
E= 1,177,488.45

## CURVE NBRMPO2

P.I. STA= 8208+54.00  
N= 1,858,995.39  
E= 1,177,389.40  
Δ= 4° 55' 59"  
D= 3° 49' 11"  
R= 1,500.00'  
T= 64.61'  
L= 129.15  
E= 1.39'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 8207+89.39  
N= 1,858,931.22  
E= 1,177,396.97  
P.T. STA= 8209+18.54  
N= 1,859,059.97  
E= 1,177,387.38

## CURVE NBRMPO3

P.I. STA= 8211+46.07  
N= 1,859,287.39  
E= 1,177,380.27  
Δ= 0° 19' 12"  
D= 0° 24' 36"  
R= 13,976.00'  
T= 39.03'  
L= 78.05  
E= 0.05'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 8211+07.05  
N= 1,859,248.39  
E= 1,177,381.49  
P.T. STA= 8211+85.10  
N= 1,859,326.41  
E= 1,177,379.26

## CURVE NBRMPO4

P.I. STA= 8212+33.29  
N= 1,859,374.58  
E= 1,177,378.02  
Δ= 3° 40' 48"  
D= 3° 49' 11"  
R= 1,500.00'  
T= 48.10'  
L= 96.17'  
E= 0.77'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 8211+85.10  
N= 1,859,326.41  
E= 1,177,379.26  
P.T. STA= 8212+81.44  
N= 1,859,422.73  
E= 1,177,379.88

## CURVE NBRMPO5

P.I. STA= 8216+21.17  
N= 1,859,762.21  
E= 1,177,392.97  
Δ= 3° 40' 25"  
D= 3° 49' 11"  
R= 1,500.00'  
T= 48.10'  
L= 96.17'  
E= 0.77'  
e= N/A  
T.R.= N/A  
S.E. RUN= N/A

P.C. STA= 8215+73.07  
N= 1,859,714.14  
E= 1,177,391.11  
P.T. STA= 8216+69.24  
N= 1,859,810.29  
E= 1,177,391.74

## CURVE SBLOCS01

P.I. STA= 3391+35.61  
N= 1,860,506.29  
E= 1,177,130.62  
Δ= 15° 38' 54"  
D= 2° 47' 17"  
R= 2,055.00'  
T= 282.39'  
L= 561.26'  
E= 19.31'  
e= 5.5%  
T.R.= 41'  
S.E. RUN= 196'

P.C. STA= 3388+53.23  
N= 1,860,224.26  
E= 1,177,144.78  
P.T. STA= 3394+14.48  
N= 1,860,774.05  
E= 1,177,040.92

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

## ALIGNMENT PLAN

SCALE: 1"=100'

DATE: February 11, 2005

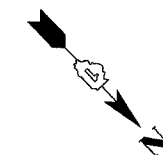
DRAWN BY: NJH/AMM

CHECKED BY: JAL/MS

## NOTES:

1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



<b>CURVE LAFAYO1</b>	<b>CURVE LAFAYO2</b>
P.I. STA= 6014+47.81	P.I. STA= 6020+11.56
N= 1,860,720.67	N= 1,861,233.77
E= 1,176,979.33	E= 1,176,739.65
Δ= 22° 19' 50"	Δ= 66° 24' 16"
D= 11° 09' 07"	D= 50° 15' 34"
R= 513.76'	R= 114.00'
T= 101.40'	T= 74.60'
L= 200.23'	L= 132.12'
E= 9.91'	E= 22.24'
θ= N/A	θ= N/A
T.R.= N/A	T.R.= N/A
S.E. RUN= N/A	S.E. RUN= N/A
P.C. STA= 6013+46.41	P.C. STA= 6019+36.96
N= 1,860,619.35	N= 1,861,166.23
E= 1,176,983.37	E= 1,176,771.34
P.T. STA= 6015+46.64	P.T. STA= 6020+69.08
N= 1,860,812.86	N= 1,861,231.77
E= 1,176,937.10	E= 1,176,665.07

<b>CURVE COLLNB04</b>	<b>CURVE COLLSB03</b>
P.I. STA= 41+08.35	P.I. STA= 81+04.03
N= 1,860,967.08	N= 1,860,475.04
E= 1,177,322.03	E= 1,177,091.89
Δ= 29° 07' 47"	Δ= 8° 56' 14"
D= 3° 19' 24"	D= 3° 14' 39"
R= 1,724.00'	R= 1,766.00'
T= 447.94'	T= 138.01'
L= 876.49'	L= 275.46'
E= 57.24'	E= 5.38'
θ= 5.9%	θ= 5.63%
T.R.= 41'	T.R.= N/A
S.E. RUN= 210' (236.93')	S.E. RUN= 200.00'
P.C. STA= 36+60.41	P.C. STA= 79+66.02
N= 1,860,519.16	N= 1,860,337.20
E= 1,177,326.14	E= 1,177,098.81
P.T. STA= 45+36.91	P.T. STA= 82+41.49
N= 1,861,356.34	N= 1,860,610.14
E= 1,177,100.39	E= 1,177,063.64

<b>CURVE COLLSB04</b>	<b>CURVE COLLSB05</b>
P.I. STA= 83+22.94	P.I. STA= 86+99.51
N= 1,860,689.19	N= 1,861,046.34
E= 1,177,044.03	E= 1,176,924.37
Δ= 4° 35' 34"	Δ= 20° 54' 28"
D= 2° 49' 15"	D= 3° 34' 51"
R= 2,031.00'	R= 1,600.00'
T= 81.44'	T= 295.21'
L= 162.81'	L= 583.86'
E= 1.63'	E= 27.00'
θ= 5.5%	θ= N/A
T.R.= N/A	T.R.= N/A
S.E. RUN= N/A	S.E. RUN= N/A
P.C. STA= 82+41.49	P.C. STA= 84+04.30
N= 1,860,610.14	N= 1,860,766.42
E= 1,177,063.64	E= 1,177,018.16
P.T. STA= 84+04.30	P.T. STA= 89+88.16
N= 1,860,766.42	N= 1,861,274.37
E= 1,177,018.16	E= 1,176,736.87

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

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

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

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

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

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

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

<b>CURVE SBLOCS02</b>
P.I. STA= 3397+27.84
N= 1,861,071.17
E= 1,176,941.37
Δ= 21° 50' 32"
D= 3° 31' 41"
R= 1624.00'
T= 313.36'
L= 619.10'
E= 29.96'
θ= 6.0%
T.R.= 41'
S.E. RUN= 213'
P.C. STA= 3394+14.48
N= 1,860,774.05
E= 1,177,040.92
P.T. STA= 3400+33.58
N= 1,861,309.93
E= 1,176,738.43

# 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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-D6BL	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= 5.6%  
T.R.= 48' (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= 2476.00'  
T= 214.63'  
L= 428.19'  
E= 9.29'  
e= 5.0%  
T.R.= 41'  
S.E. RUN= 205'  
P.C. STA= 3408+94.80  
N= 1,861,966.12  
E= 1,176,180.66  
P.T. STA= 3413+22.99  
N= 1,862,314.67  
E= 1,175,932.87

#### CURVE SBDR05

P.I. STA= 1415+93.26  
N= 1,862,464.42  
E= 1,175,788.71  
Δ= 44° 41' 46"  
D= 3° 15' 20"  
R= 1760.00'  
T= 723.55'  
L= 1372.97'  
E= 142.93'  
e= 5.9%  
T.R.= 41' (41')  
S.E. RUN= 262.17' (242')  
P.C. STA= 1408+69.71  
N= 1,861,964.32  
E= 1,176,311.62  
P.T. STA= 1422+42.67  
N= 1,863,187.69  
E= 1,175,768.74

#### CURVE SBLOCS04

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

#### CURVE WBSKY03

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

#### 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= 6.0%  
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 NBDR04

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= 6.0%  
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

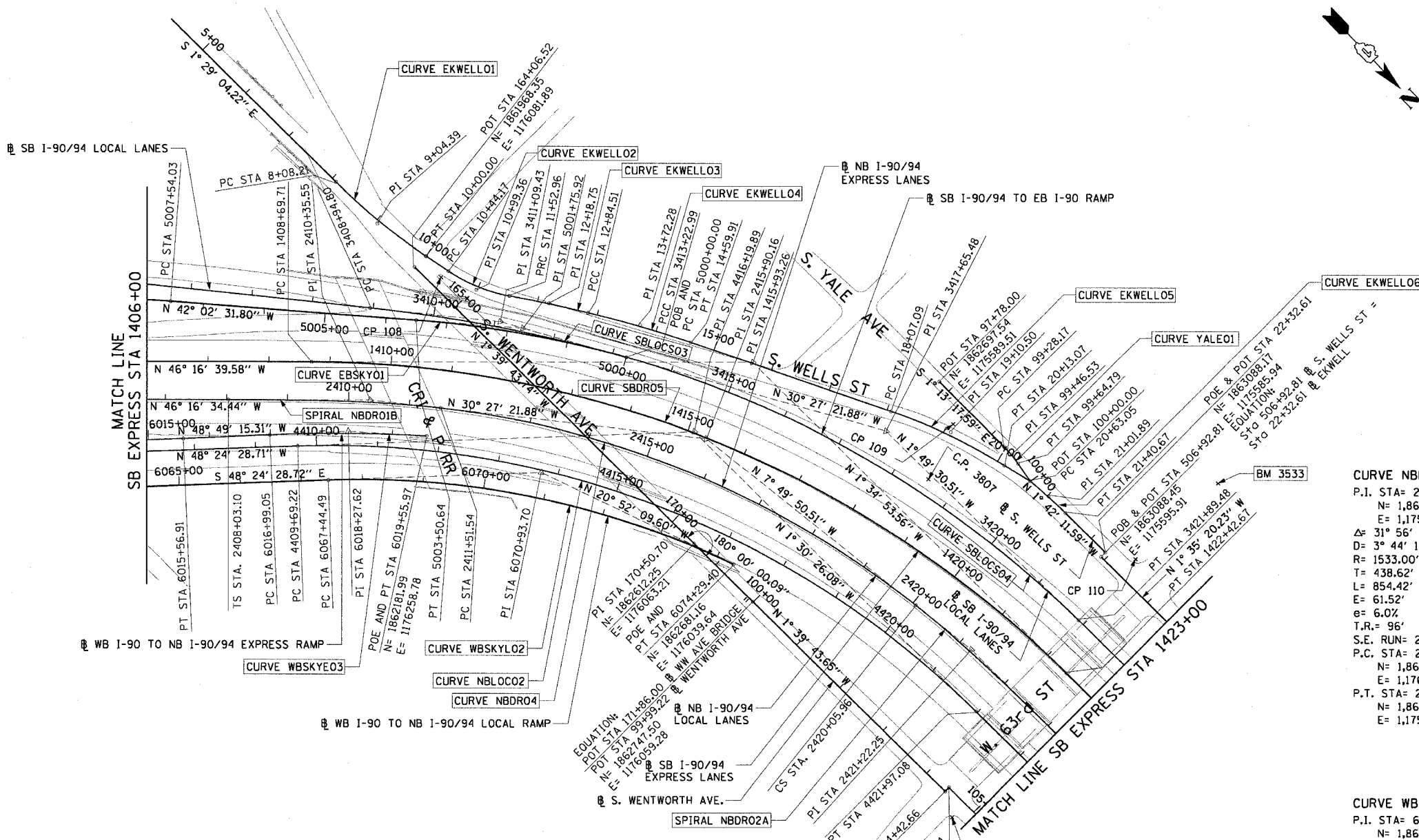
P.I. STA= 2421+22.25  
N= 1,863,051.74  
E= 1,175,854.32  
Δ= 6° 30' 41"  
LS= 348.44'  
YS= 13.19'  
XS= 347.99'  
P= 3.30'  
K= 174.15'  
LT= 232.45'  
ST= 116.29'  
LC= 348.24'  
C.S. STA= 2420+05.96  
N= 1,862,936.54  
E= 1,175,870.16  
S.T. STA= 2423+54.40  
N= 1,863,284.13  
E= 1,175,848.97

#### CURVE WBSKY02

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= 6.0%  
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 YALE01

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

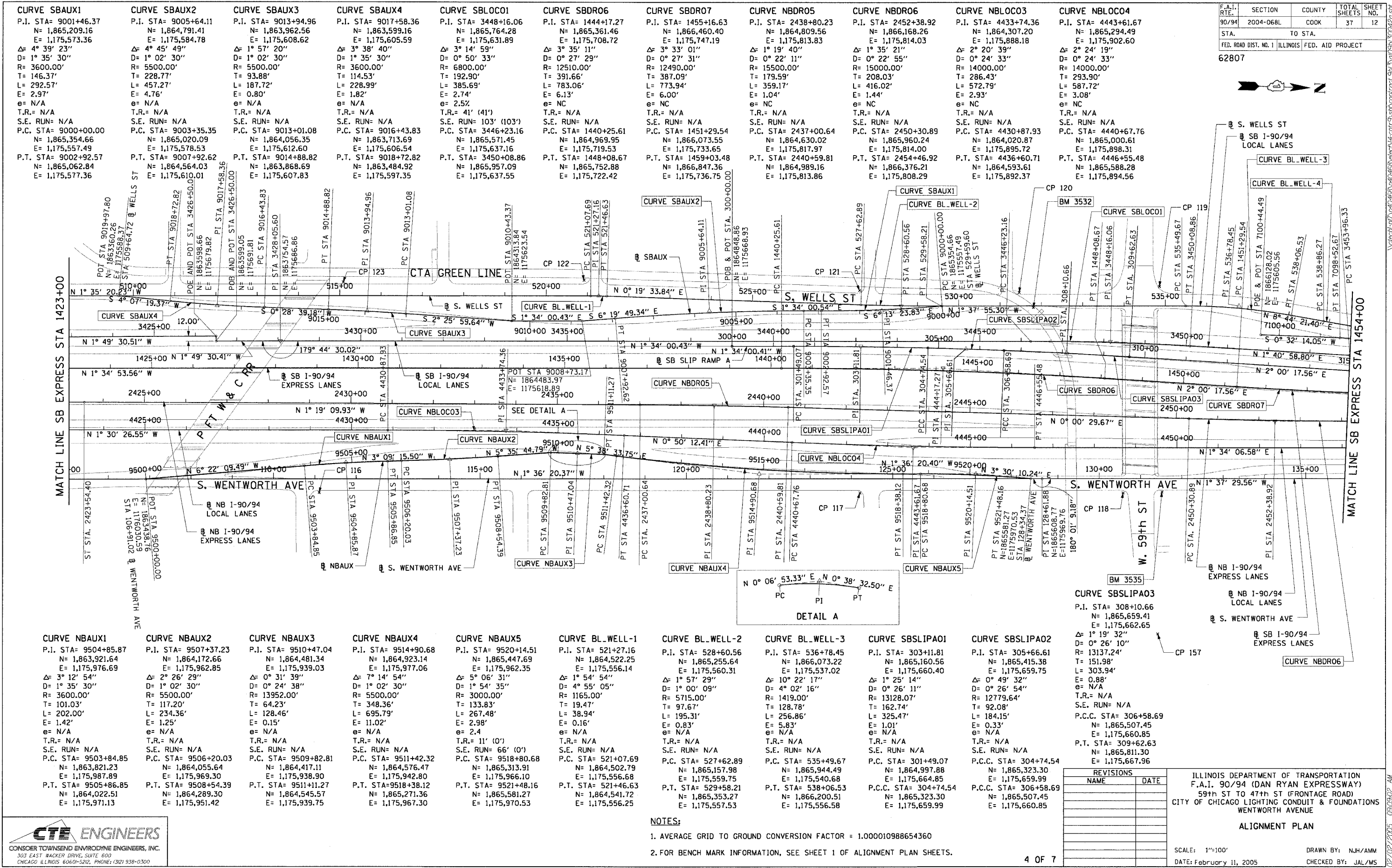


#### NOTES:

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'	DRAWN BY: NJH/AMM
DATE: February 11, 2005	CHECKED BY: JAL/MS



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

62807

										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	
										REVISONS	
										NAME	
										DATE	

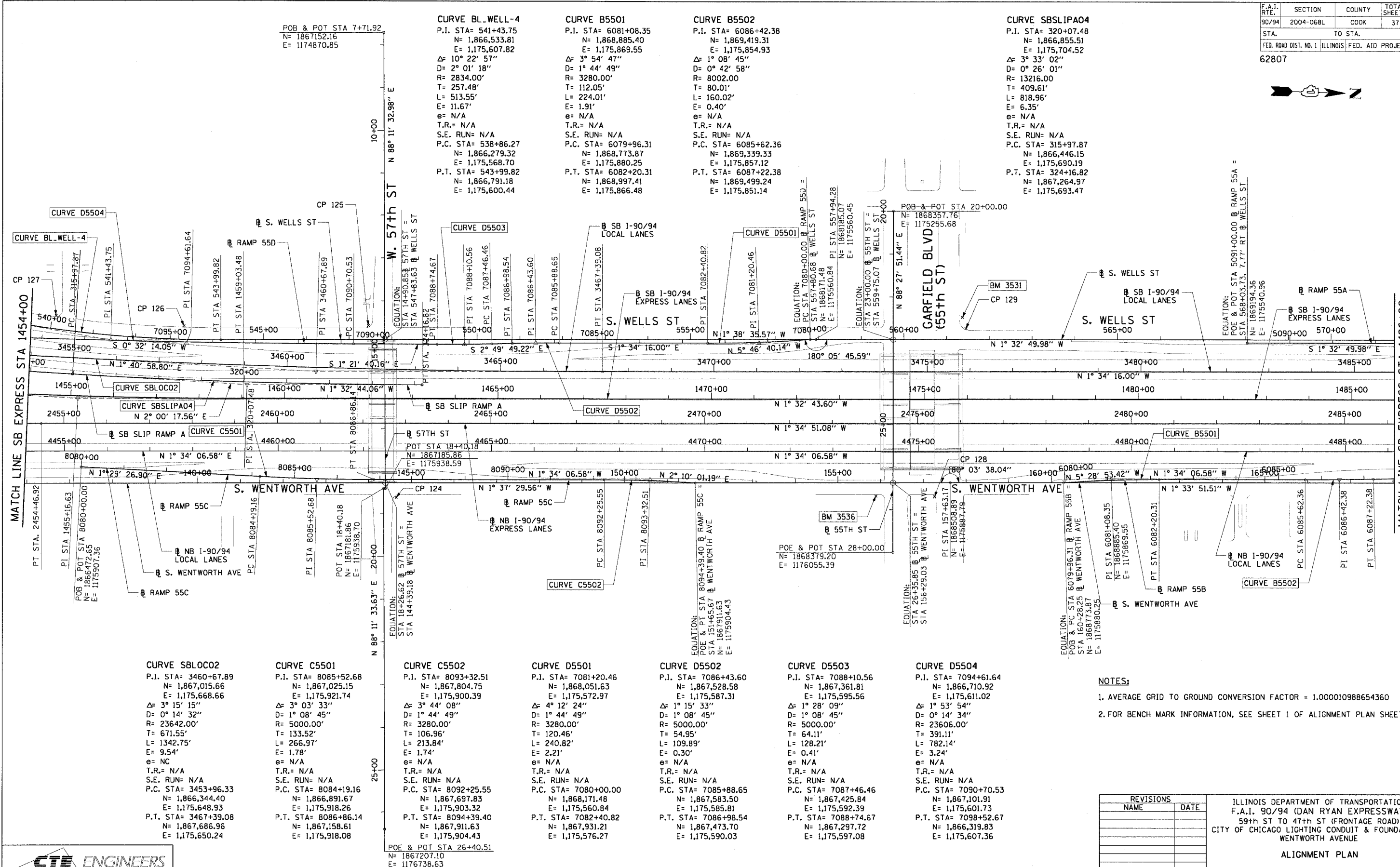
**REVISIONS**

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



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62807				





F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	15

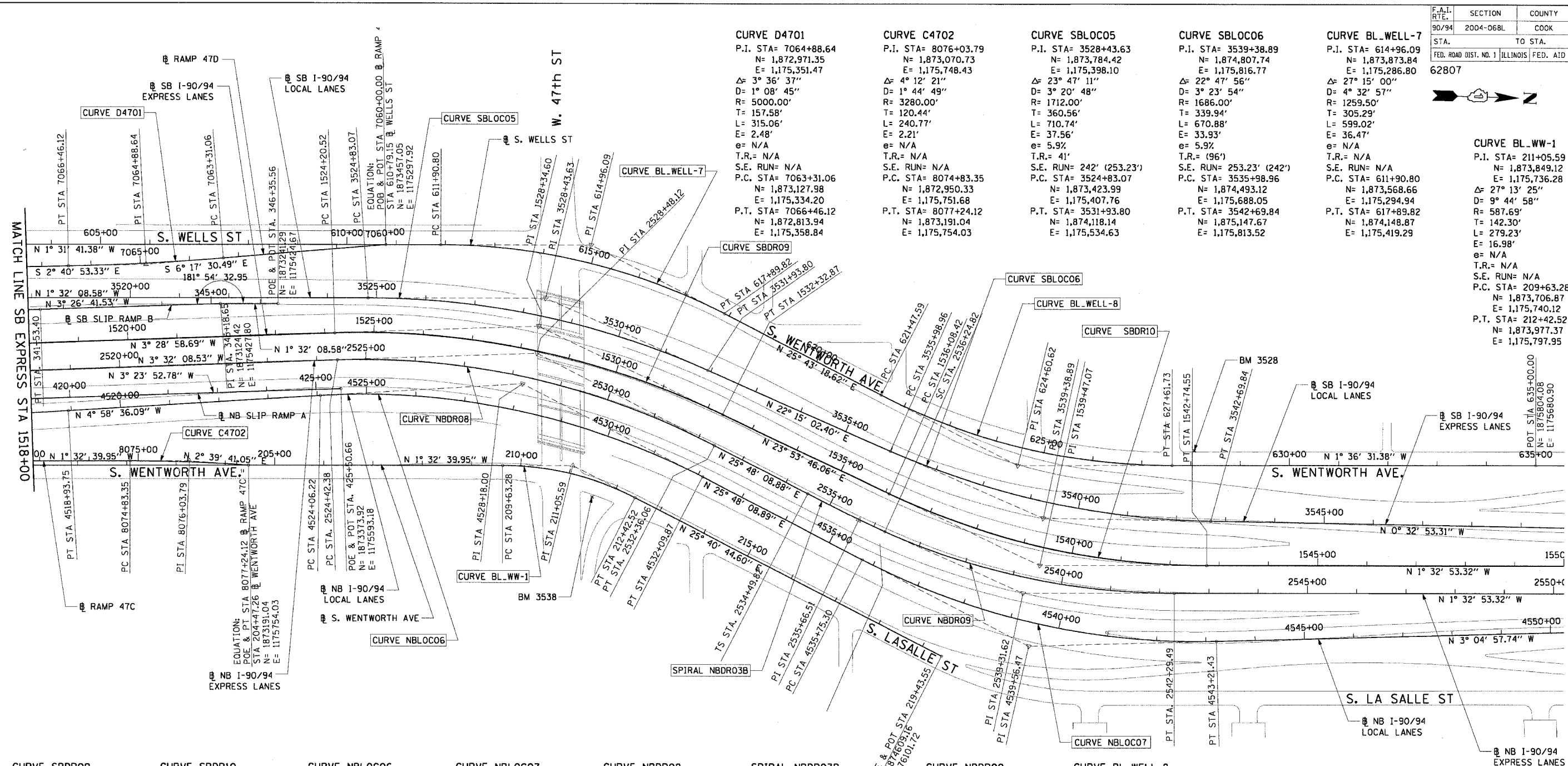
STA.	TO STA.	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

62807



CURVE BL\_WW-1

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



CURVE SBDR09  
P.I. STA= 1528+34.60  
N= 1,873,771.86  
E= 1,175,455.52  
Δ= 27° 22' 45"  
D= 3" 22' 13"  
R= 1700.00'  
T= 14.049'  
L= 812.35'  
E= 49.71'  
e= 5.92%  
T.R.= 41'  
S.E. RUN= 242' (277.9'  
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= 6.0Z  
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.B.= 96' (96')  
S.E. RUN= 246' (272.71')  
P.C. STA= 4542+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 NBDRO8  
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 NBDRO3B**  
P.I. STA= 2535+66.51  
N= 1,874,433.24  
E= 1,175,830.64  
 $\Delta$ = 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'  
θ= 6.0Z  
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+29.45  
N= 1,875,077.65  
E= 1,175,961.15

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'  
 θ= N/A  
 T.R.= N/A  
 S.E. RUN= N/A  
 P.C. STA= 621+47.59  
 N= 1,874,471.18  
 E= 1,175,574.56  
 P.T. STA= 627+61.73  
 N= 1,875,066.11  
 E= 1,175,701.63

NOTES:

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

[illegible]

E	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
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## ALIGNMENT PLAN

SCALE: 1"=100'

DATE: February 11, 2005

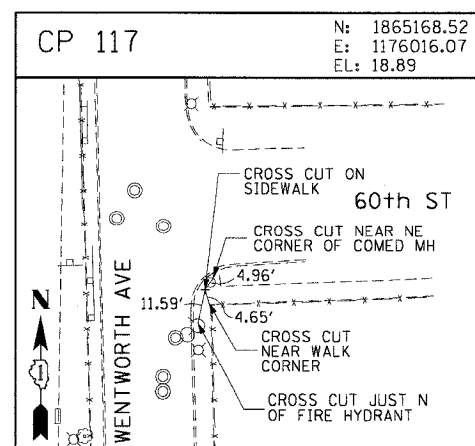
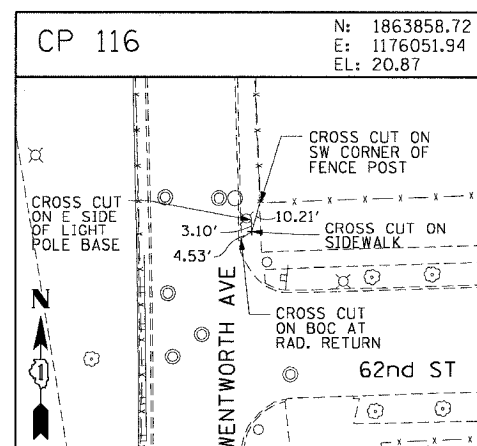
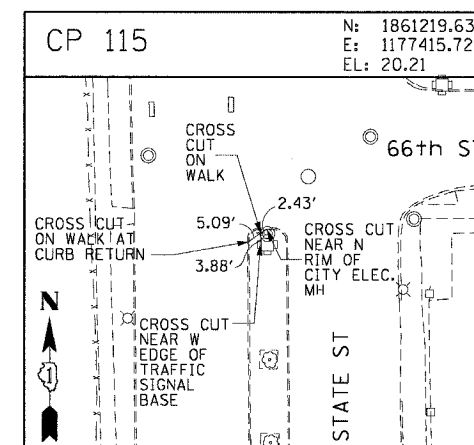
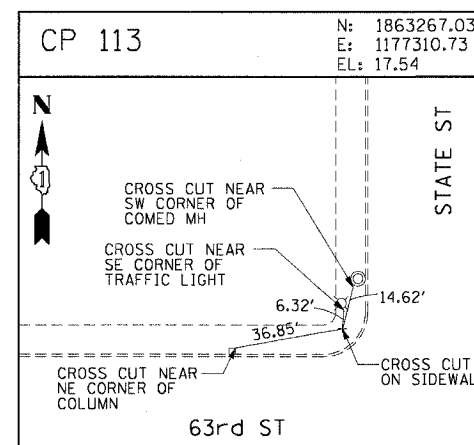
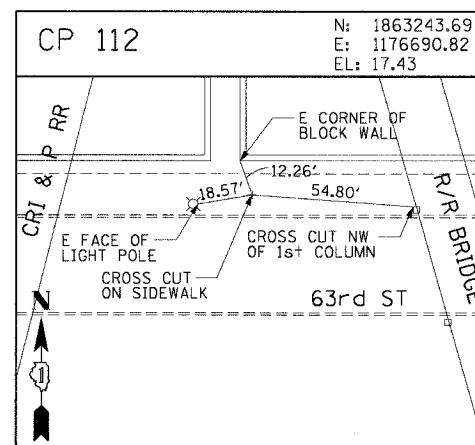
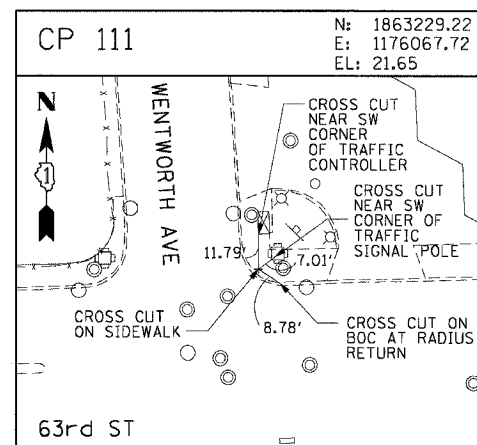
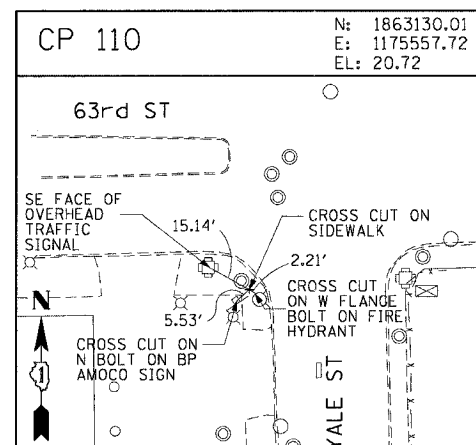
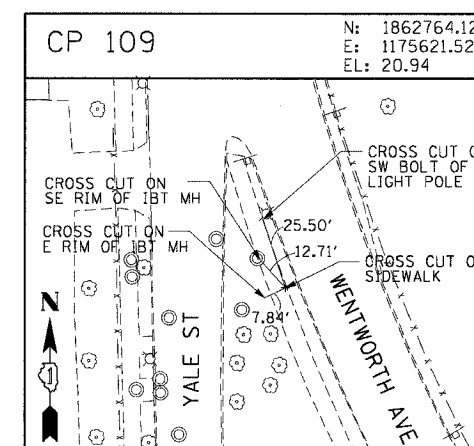
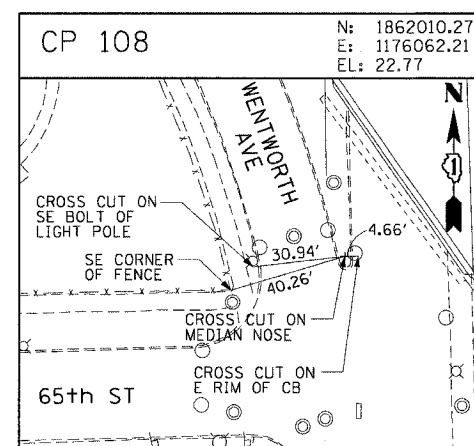
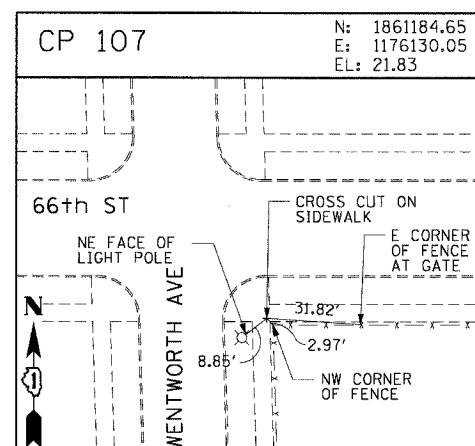
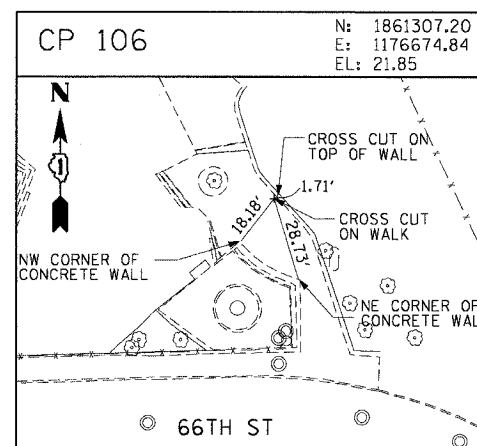
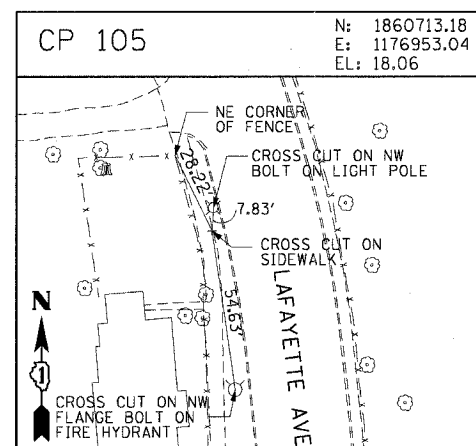
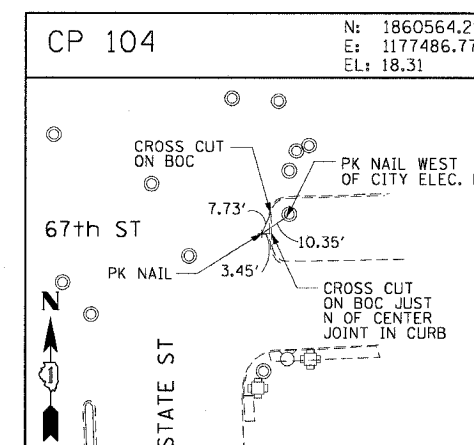
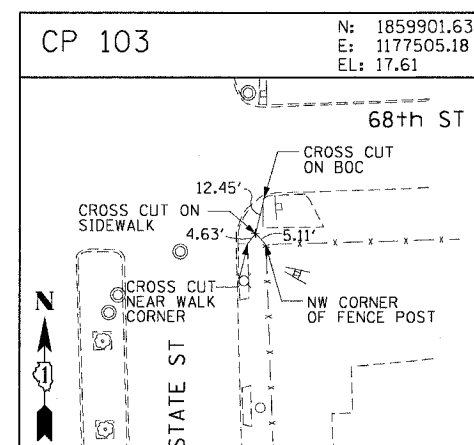
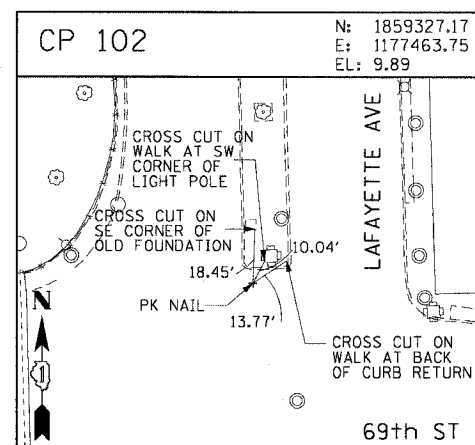
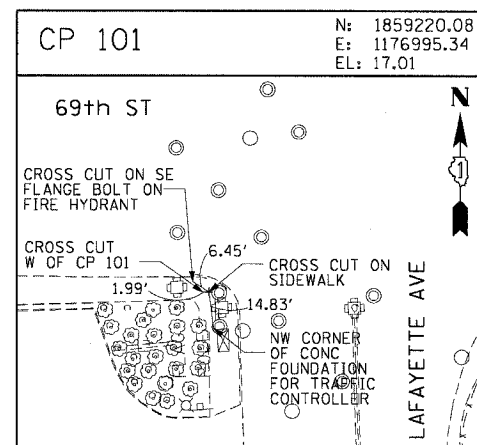
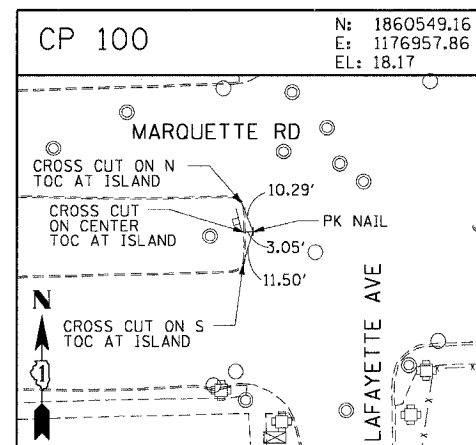
DRAWN BY: NJH/AMM

CHECKED BY: JAL/MS



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

[illegible]

E	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

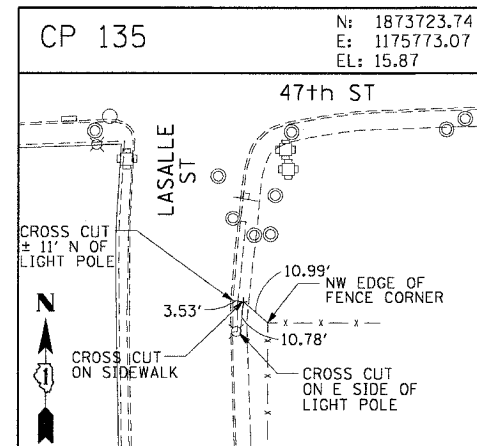
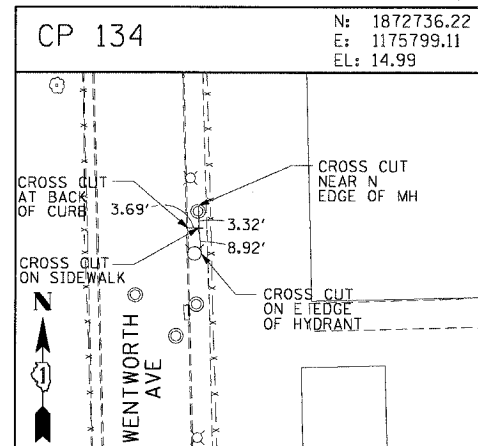
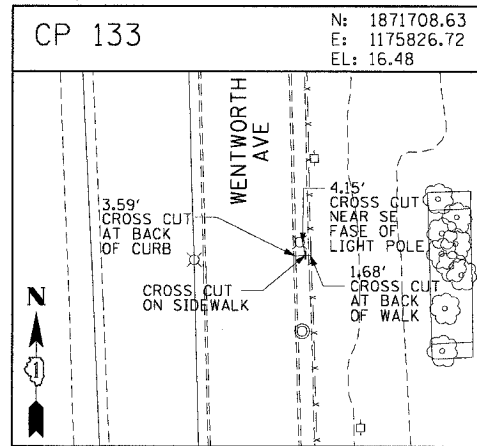
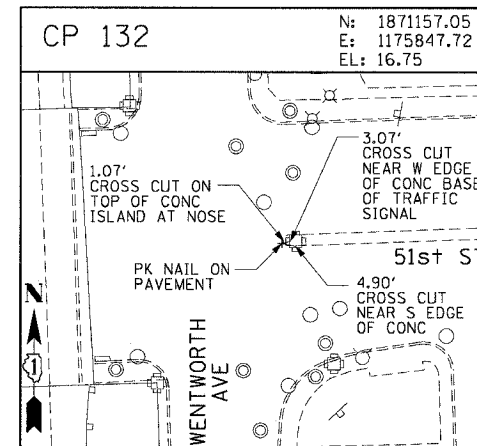
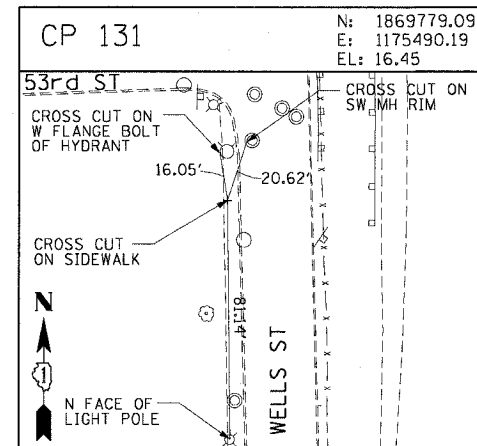
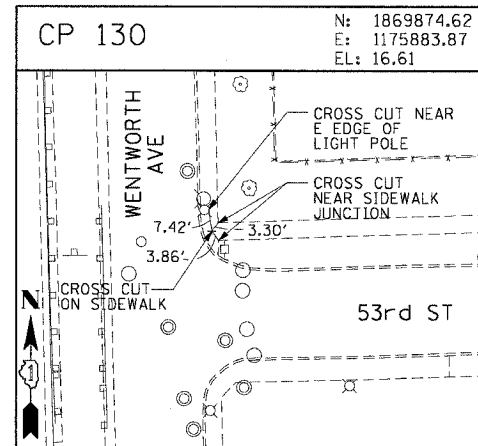
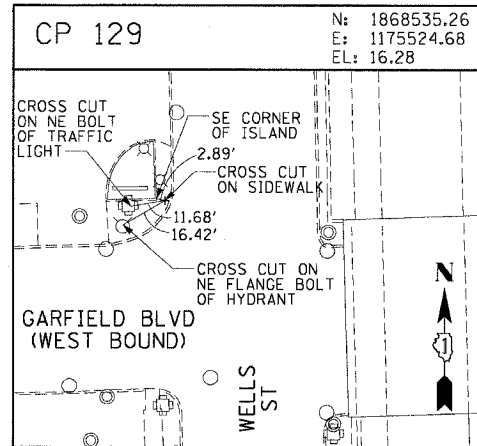
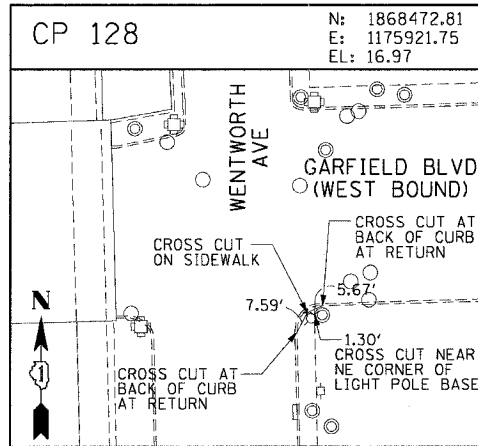
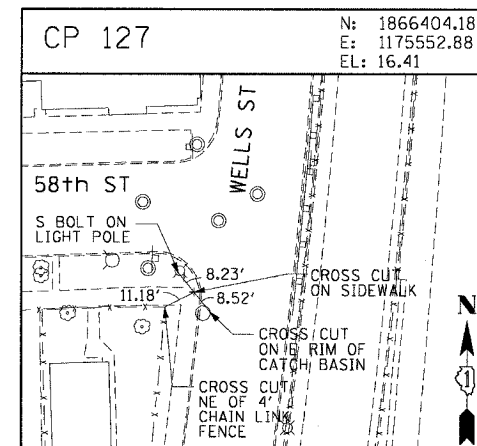
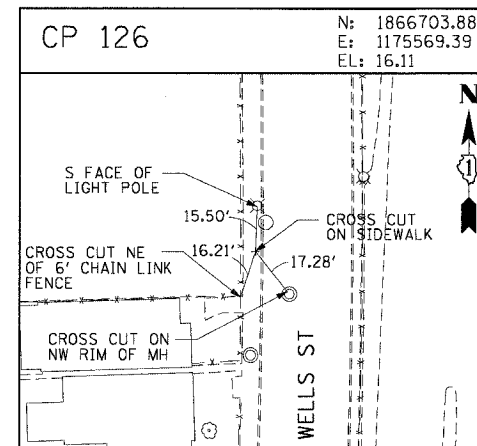
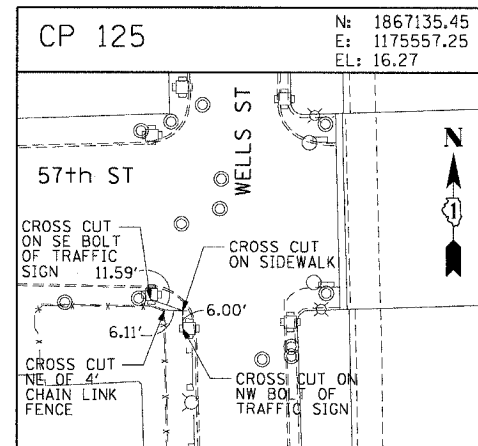
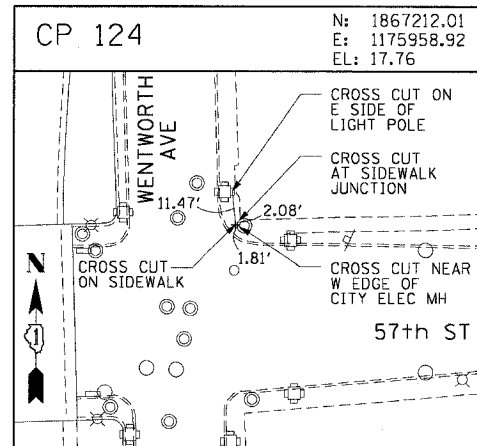
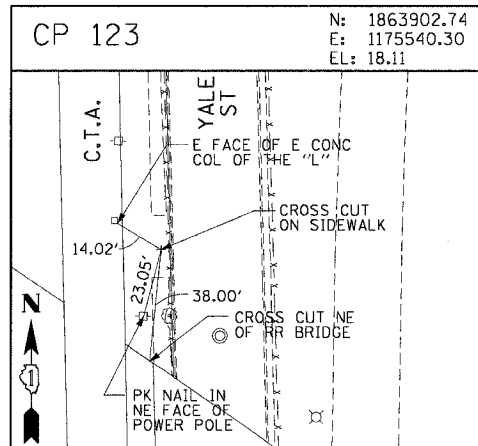
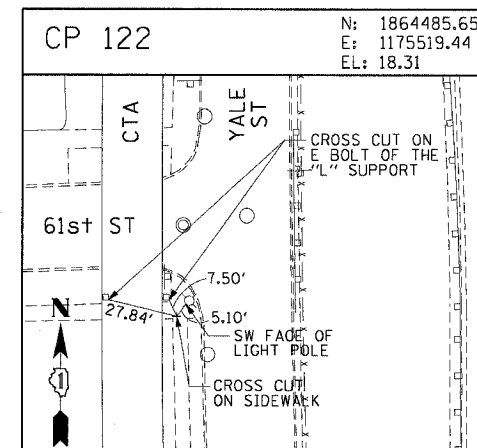
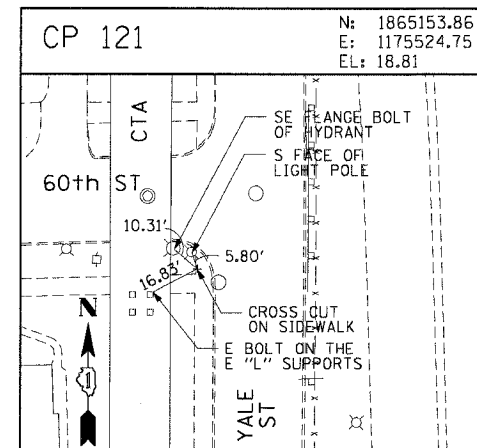
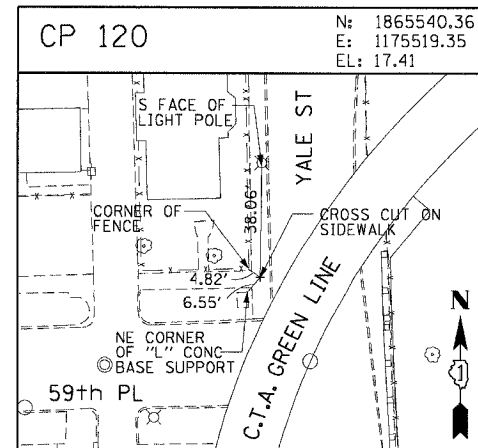
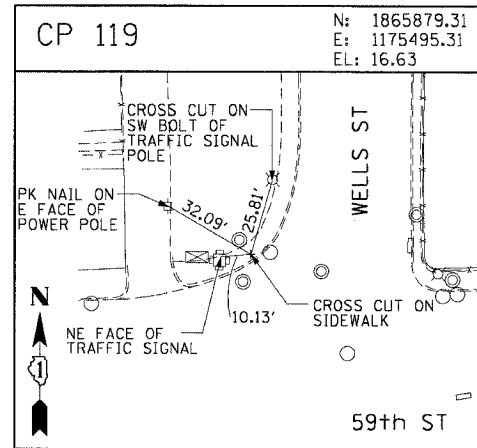
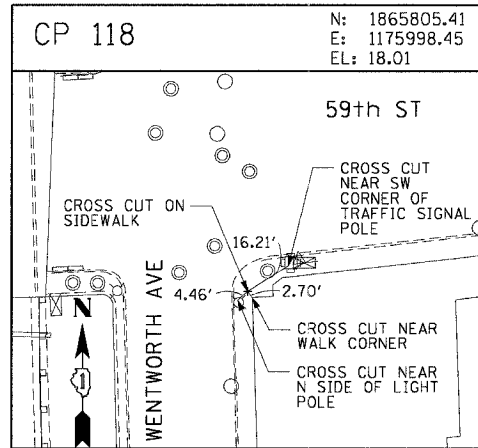
SCALE: 1"=30'

DATE: February 11, 2005

DRAWN BY: MR.

CHECKED BY: J

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
62807				



REVISIONS	
NAME	DATE

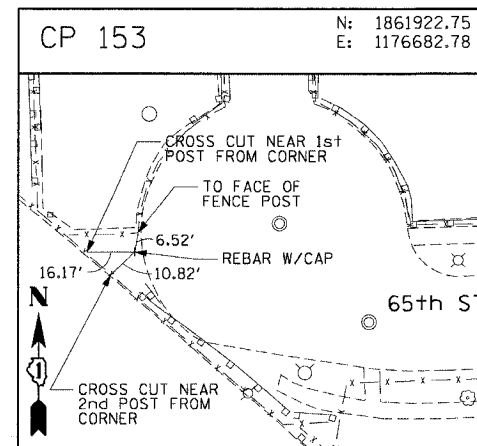
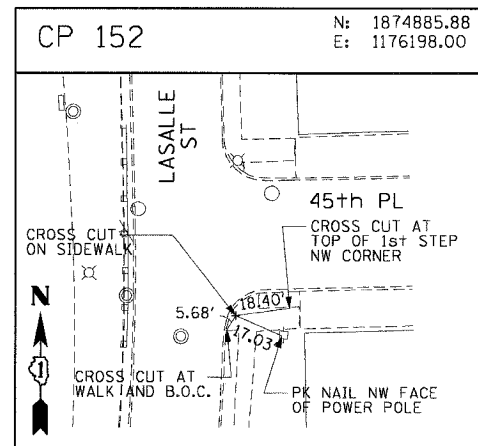
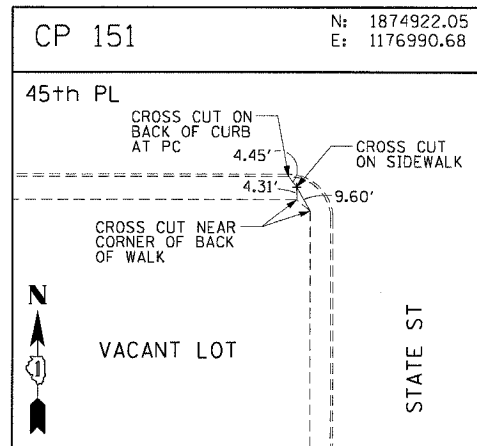
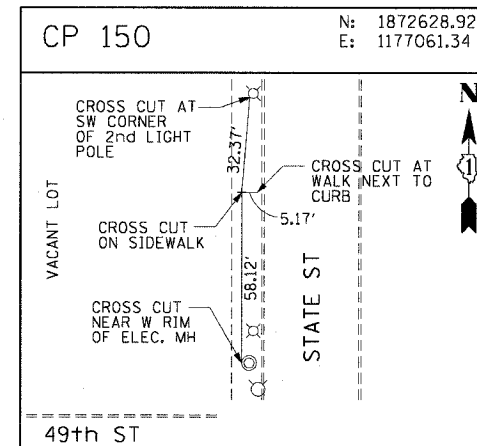
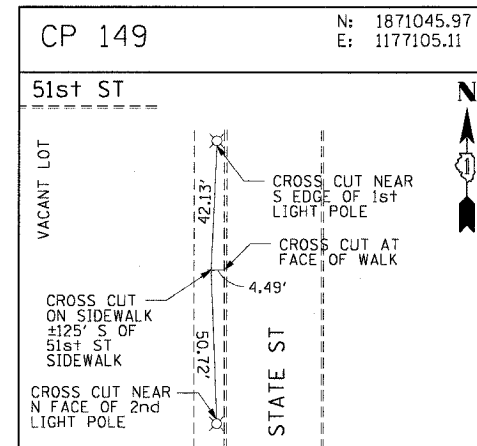
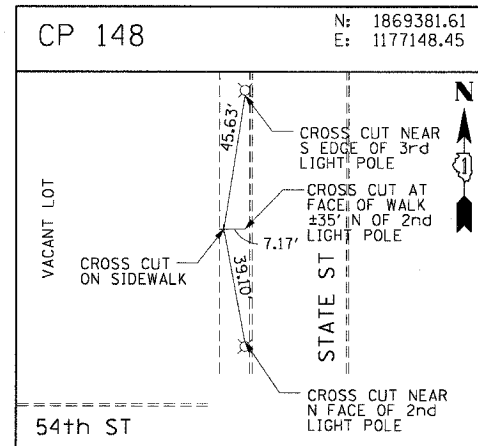
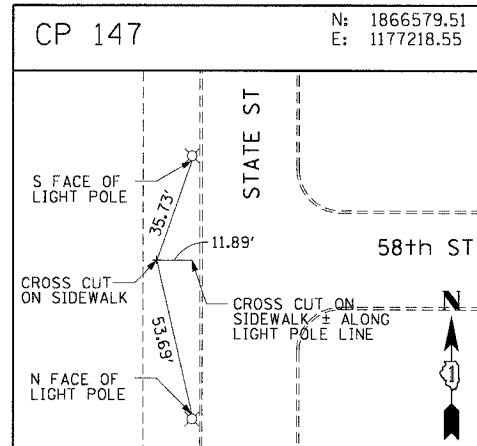
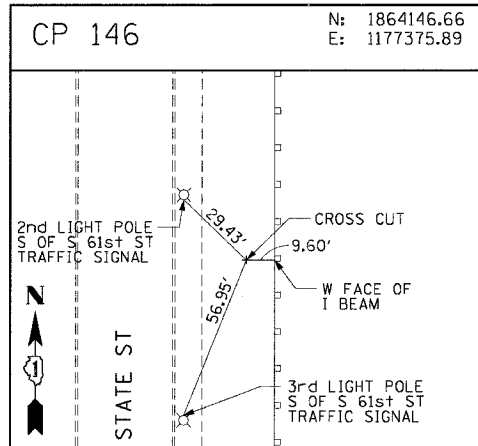
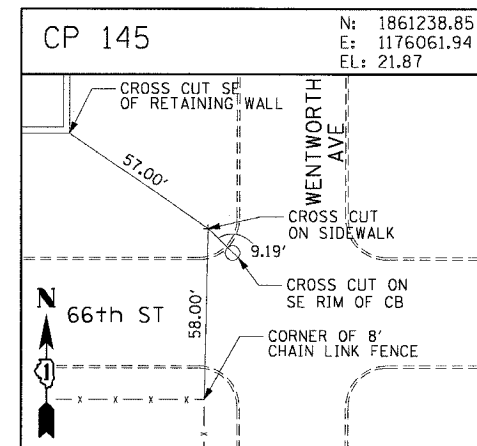
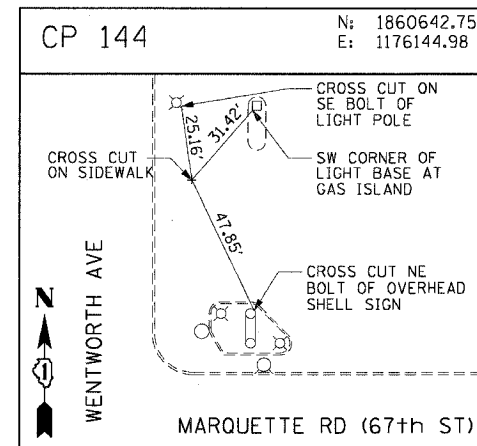
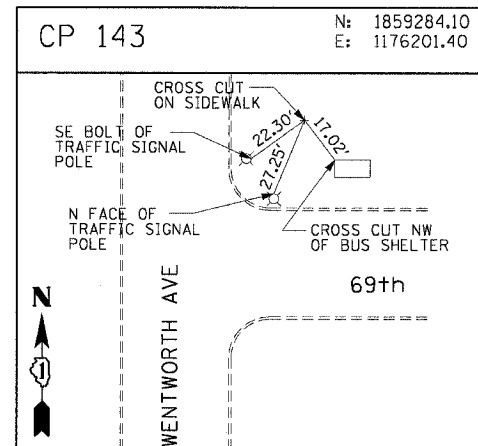
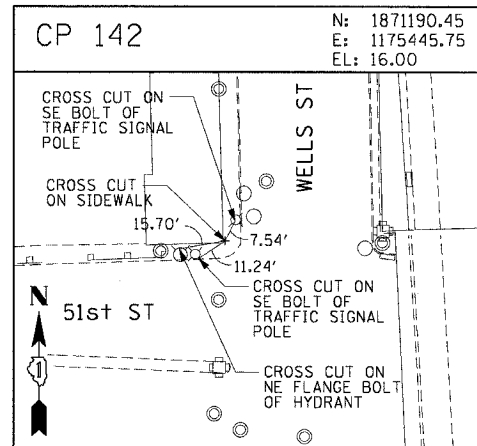
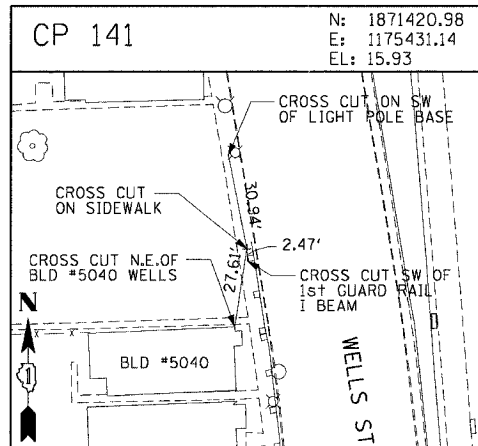
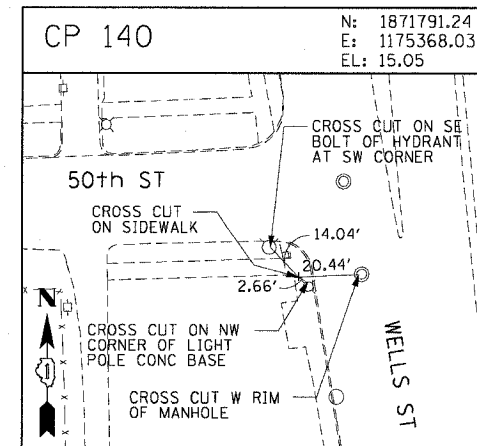
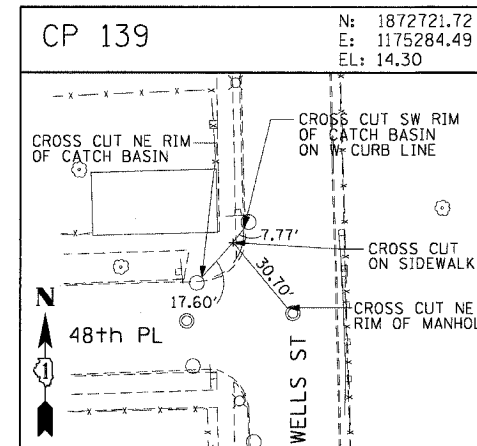
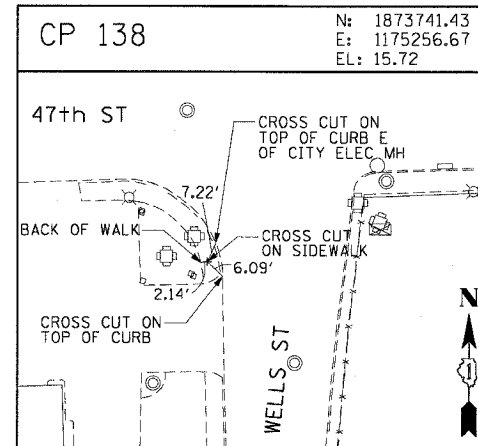
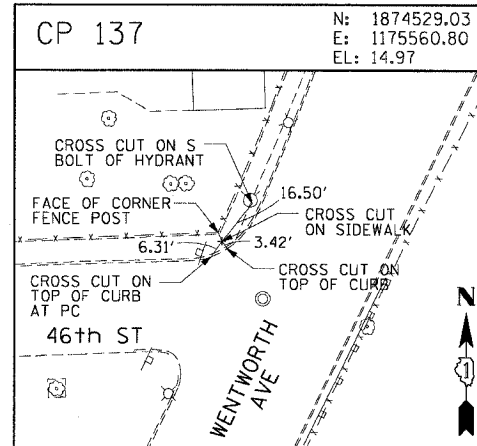
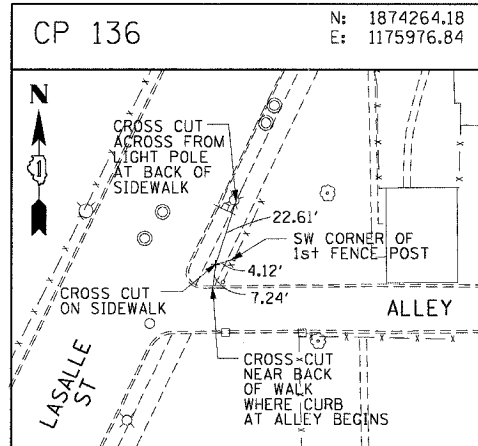
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
59th ST TO 47th ST (FRONTAGE ROAD)  
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS  
WENTWORTH AVENUE

SURVEY TIES AND CONTROL POINTS

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

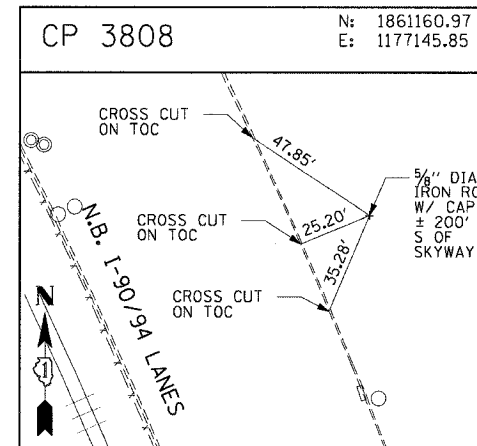
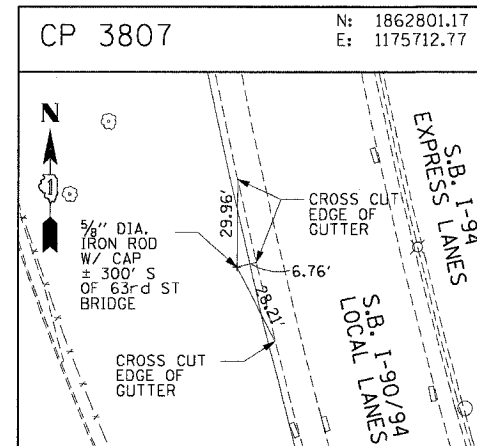
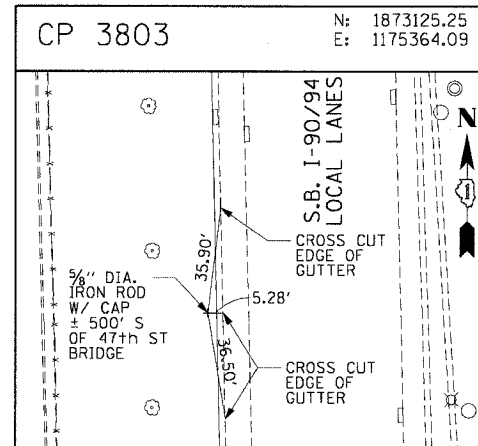
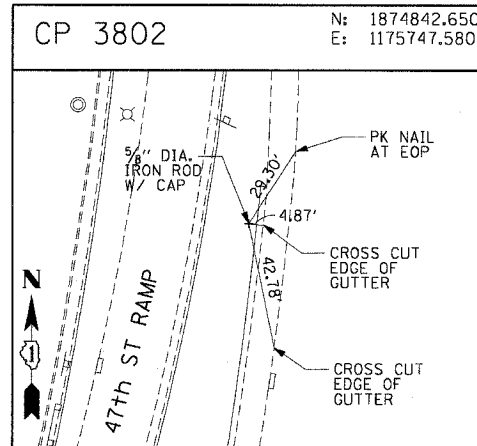
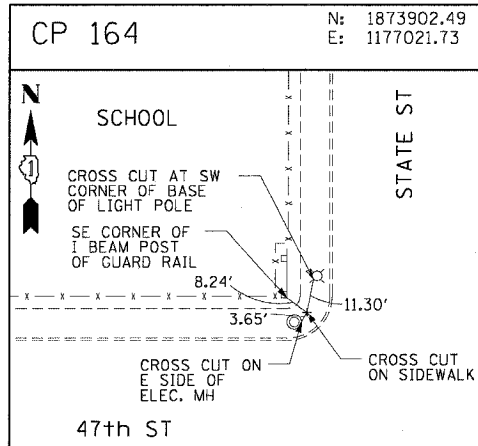
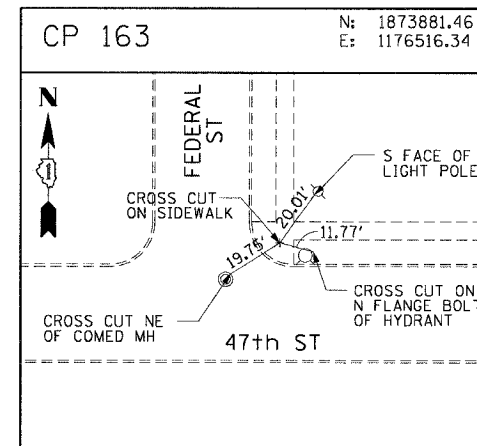
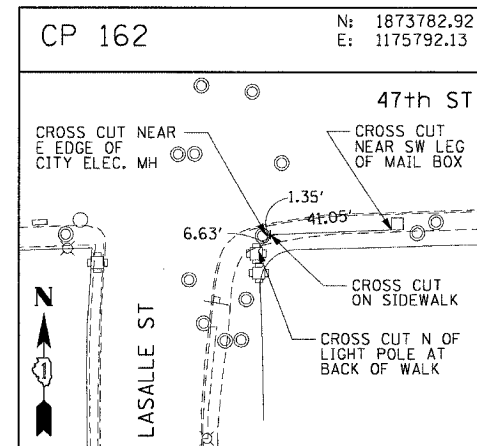
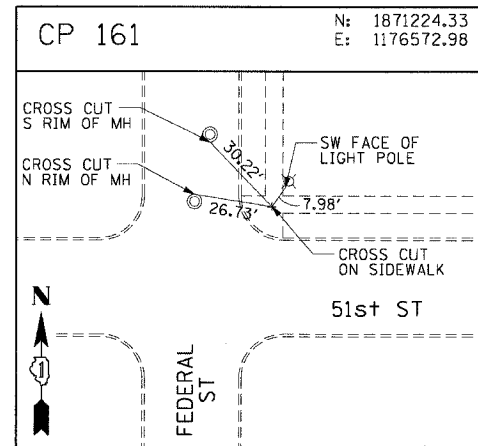
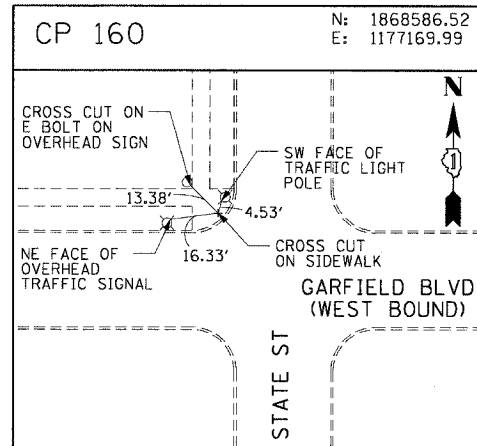
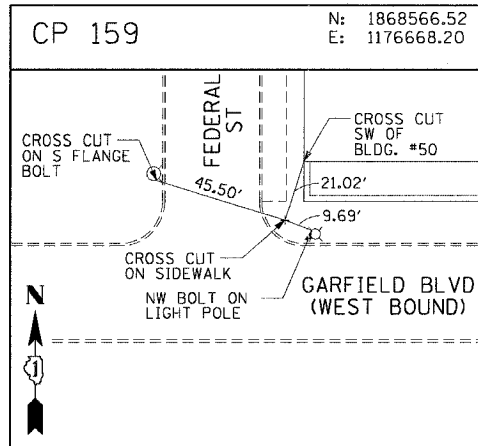
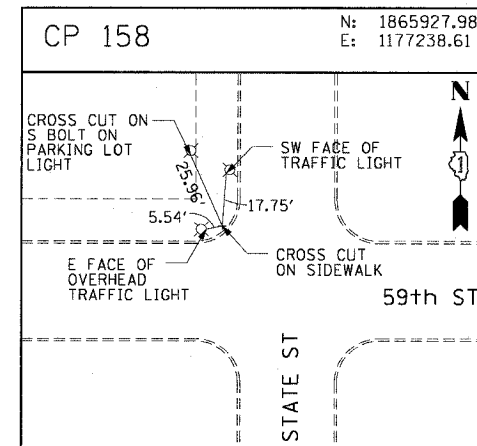
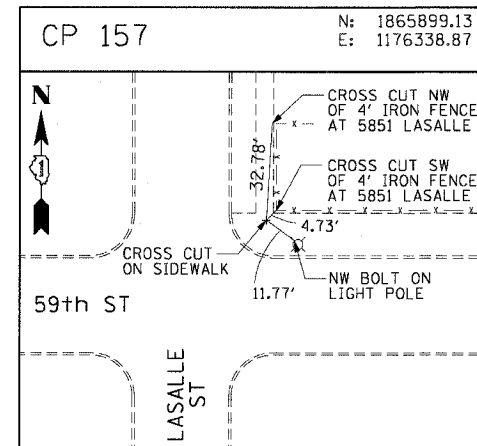
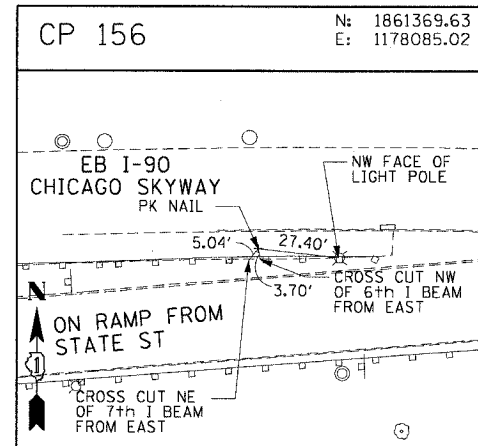
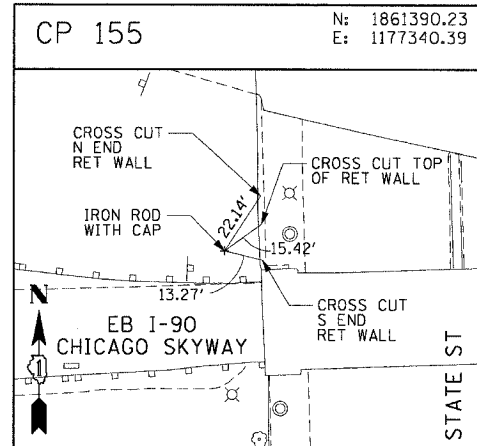
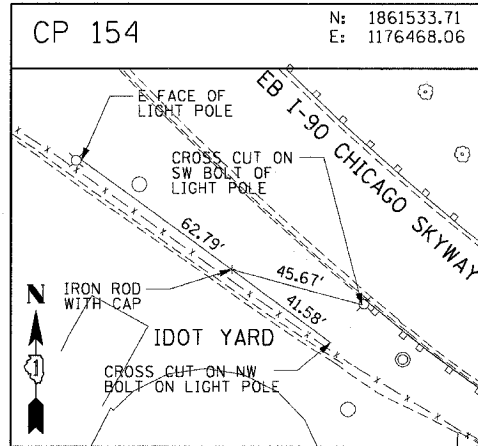
DRAWN BY: MRK  
CHECKED BY: JAL

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				



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

62807



REVISIONS	
NAME	DATE

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.

MATCH LINE  
STATION 118+95  
SEE SHEET 04-008

MATCH LINE  
STATION 128+35

- 1" 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.

"A<sub>1</sub>" - 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.

MATCH LINE  
STATION 128+35

MATCH LINE  
STATION 135+65  
SEE SHEET 04-010

FOR INSTALLATION PLAN SEE SHEETS 04-020-04-024  
FOR REMOVAL PLAN SEE SHEET 04-027

REVISIONS	
NAME	DATE

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:

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.

DWG. NO.  
**04-009**

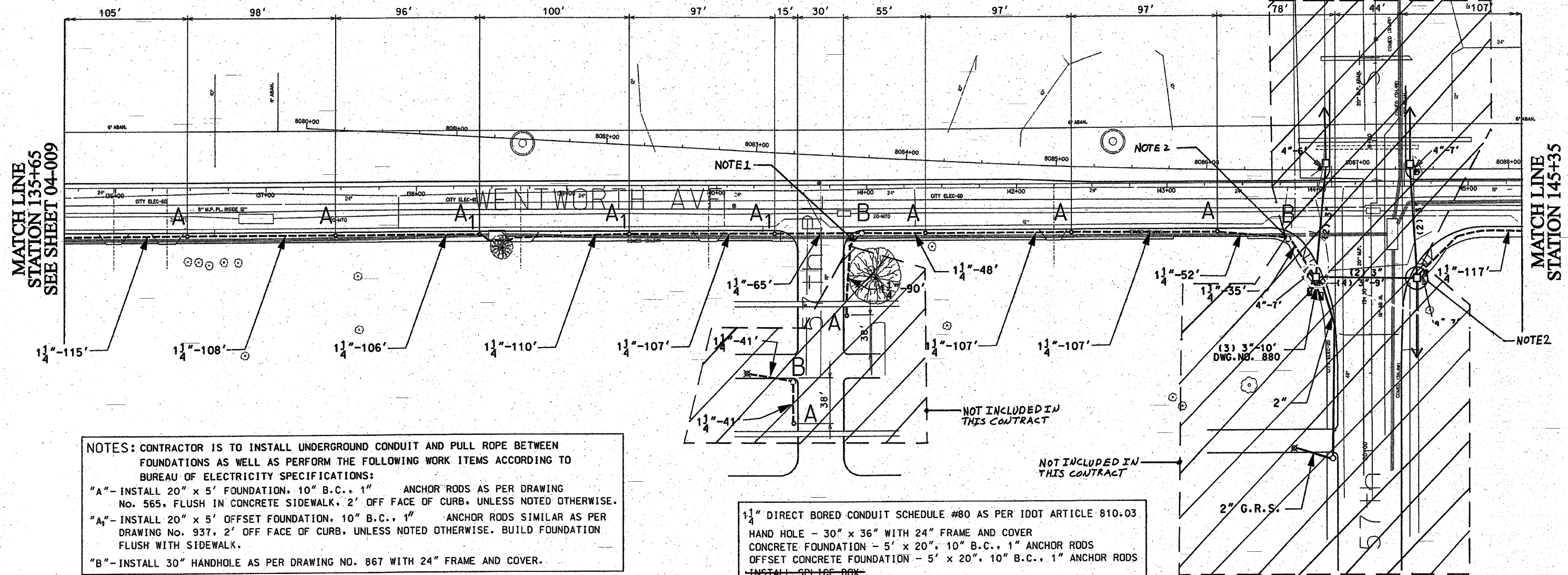


62807

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	
* 2004-069L				

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.

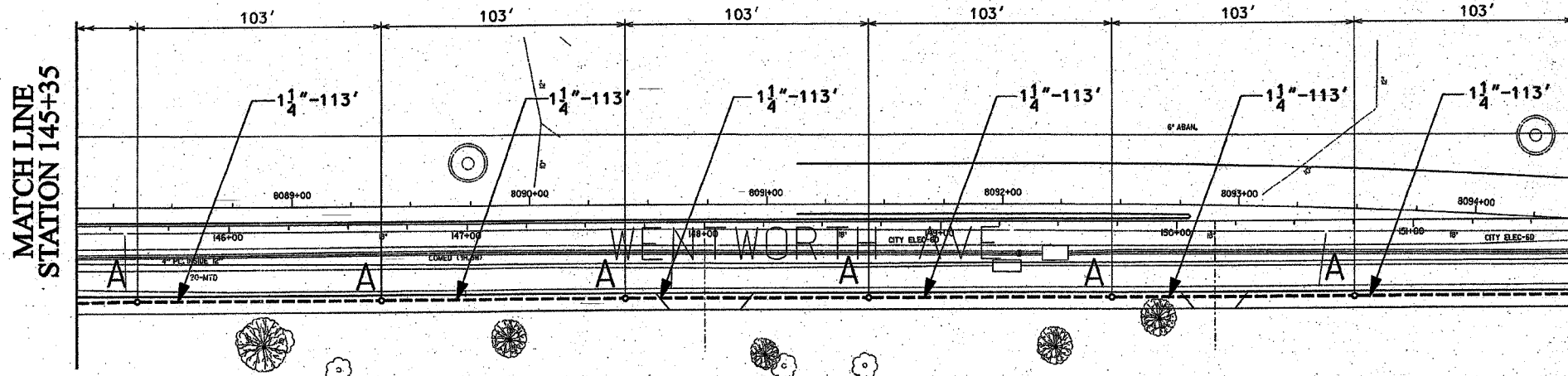
FOR INSTALLATION PLAN SEE SHEET 04-024  
FOR REMOVAL PLAN SEE SHEETS 04-027, 04-028



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.  
 "A<sub>1</sub>"-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

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. 62.796 FOR LIMITS OF SIDEWALK REPLACEMENT.  
 2. ROUTE PROPOSED CONDUIT RUN TO THE EXISTING HANDHOLE OR HANDHOLE AS SHOWN. DRILL THE EXISTING HANDHOLE OR HANDHOLE AND INSTALL PROPOSED CONDUIT THROUGH THE HANDHOLE OR HANDHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.



MATCH LINE  
STATION 151+70  
SEE SHEET 04-011

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.		
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'		DRAWN BY: B.T.G.	
DATE: February 11, 2005		CHECKED BY: O.L.	

REVISIONS	
NAME	DATE

62807

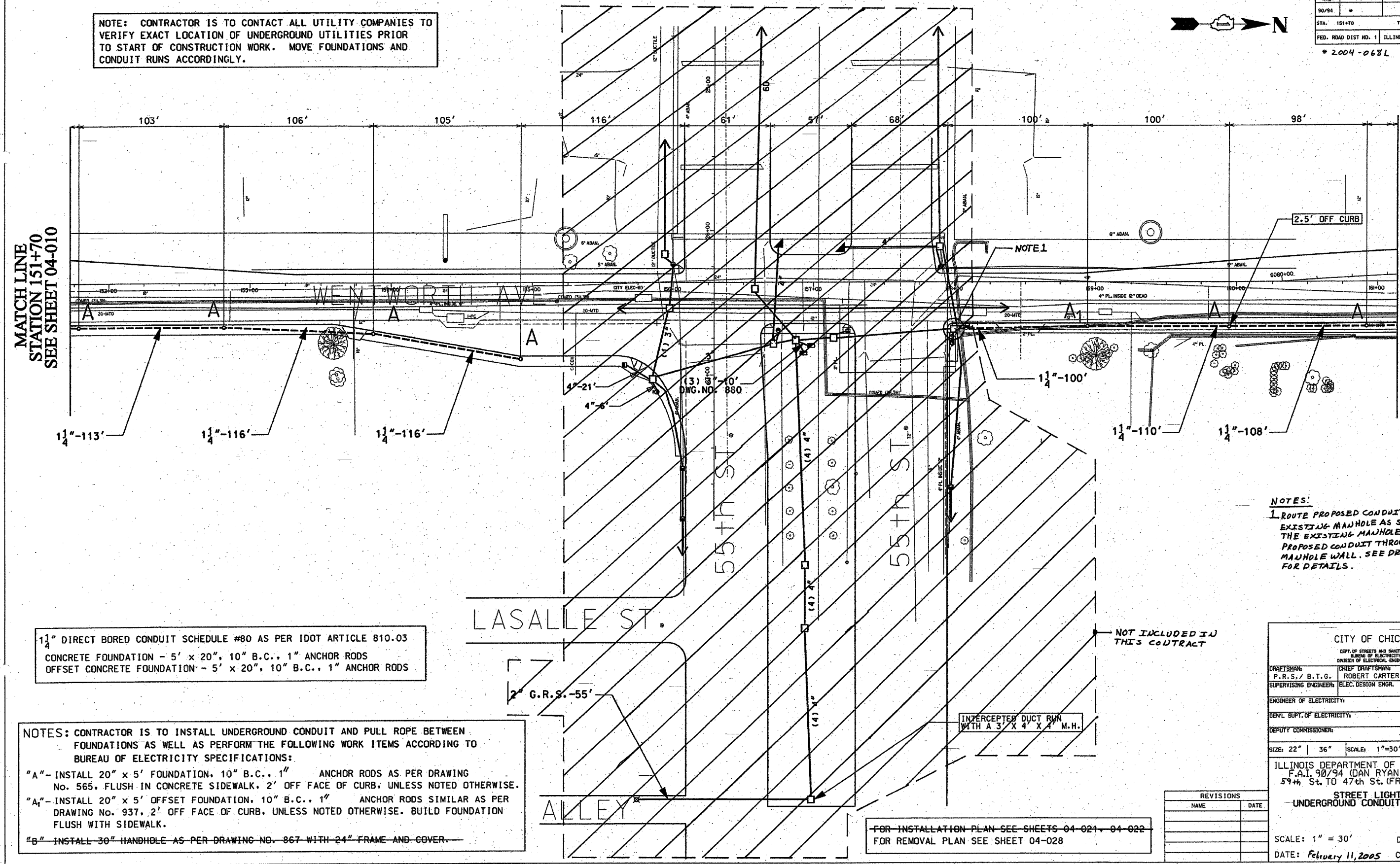
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	37	22
STA. 151+70	TO STA. 161+10			
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECTS	

\* 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-2 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.

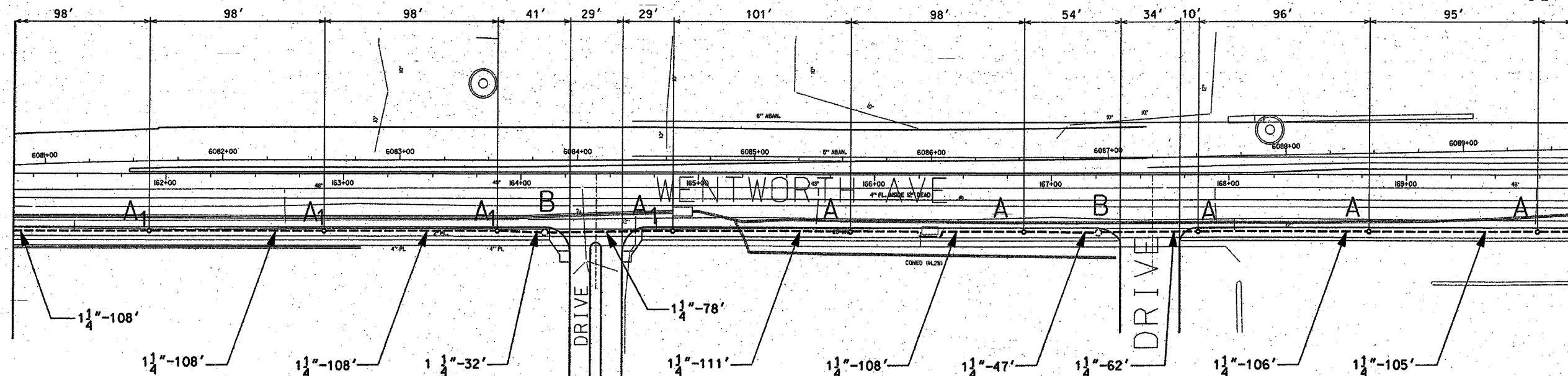
NOT INCLUDED IN THIS CONTRACT

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
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.	ENGINEER: P.R.S./ B.T.G.
ENGINEER OF ELECTRICITY:	DWG. NO. 04-011
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   36"	SCALE: 1"=30'
DATE: 1/20/04	
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 59th St. TO 47th St. (FRONTAGE ROADS)	
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES	
SCALE: 1" = 30'	
DRAWN BY: B.T.G.	
DATE: February 11, 2005	
CHECKED BY: O.L.	

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



MATCH LINE  
STATION 161+10  
SEE SHEET 04-011



62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	23
STA. 161+10		TO STA. 176+30		
FED. ROAD DIST NO. 1		ILLINOIS		
		FED AID PROJECTS		

\* 2004-068L

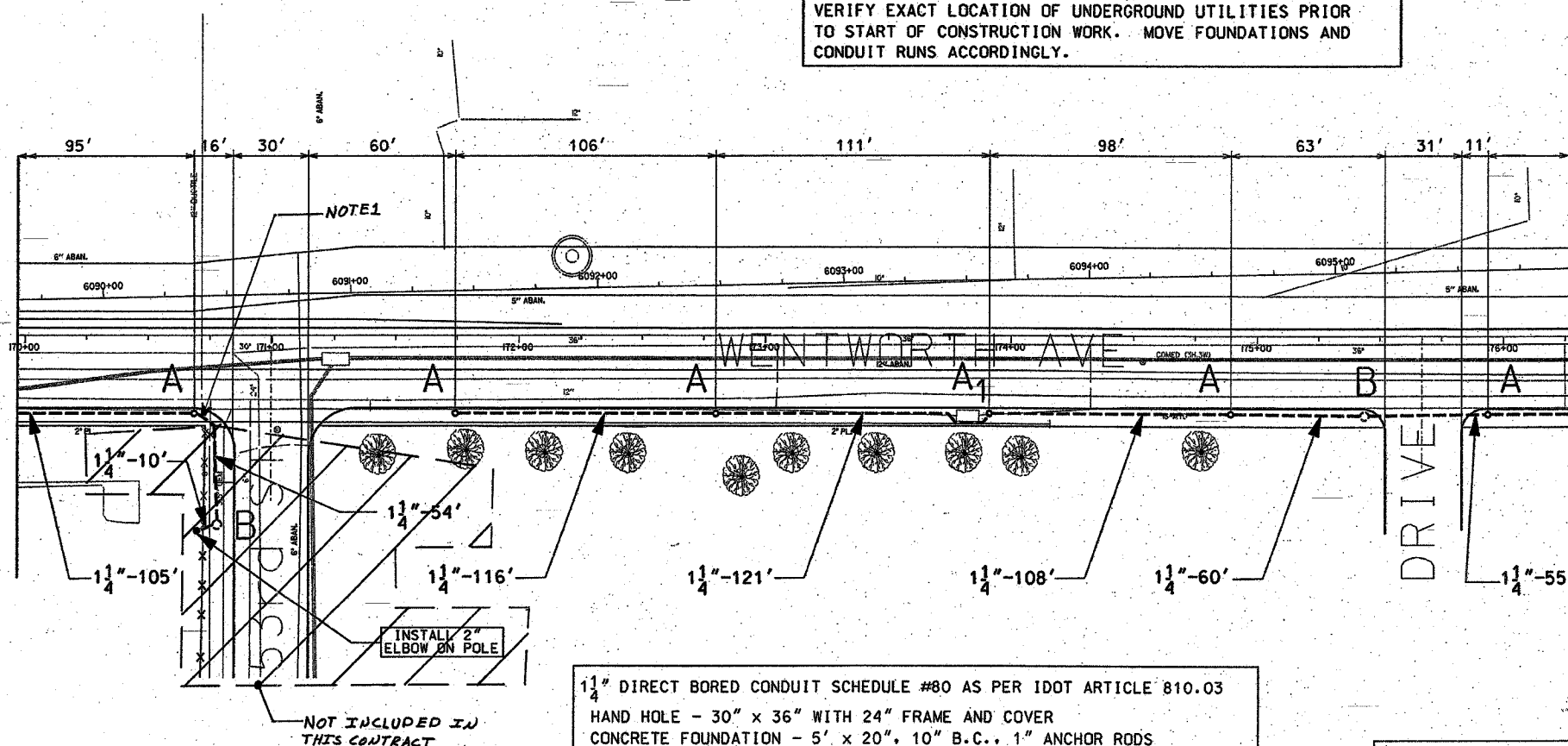
MATCH LINE  
STATION 169+95

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.
- "A<sub>1</sub>" - 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



NOTE 1

INSTALL 2" ELBOW ON POLE

NOT INCLUDED IN THIS CONTRACT

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

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.

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. 04-012
SUPERVISING ENGINEER ELEC. DESIGN ENGR.			
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE: 22"   36"	SCALE: 1"=30'	DATE: 1/20/04	
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 59th St. TO 47th St. (FRONTAGE ROADS)			
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES			
SCALE: 1" = 30'		DRAWN BY: B.T.G.	
DATE: February 11, 2005		CHECKED BY: O.L.	

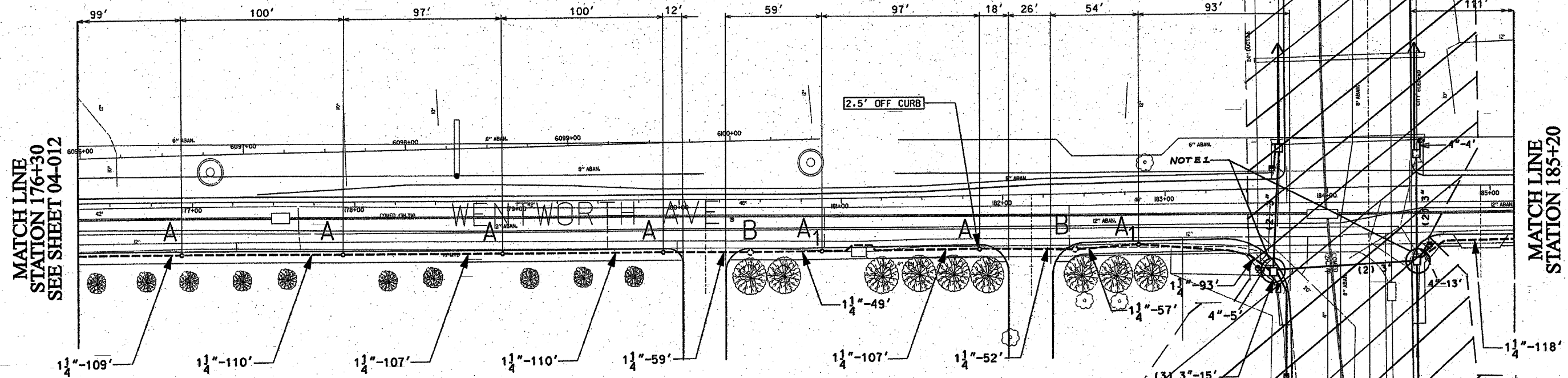
62807

F. A. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	37	24
STA. 176+00		TO STA. 191+05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-0681				



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.

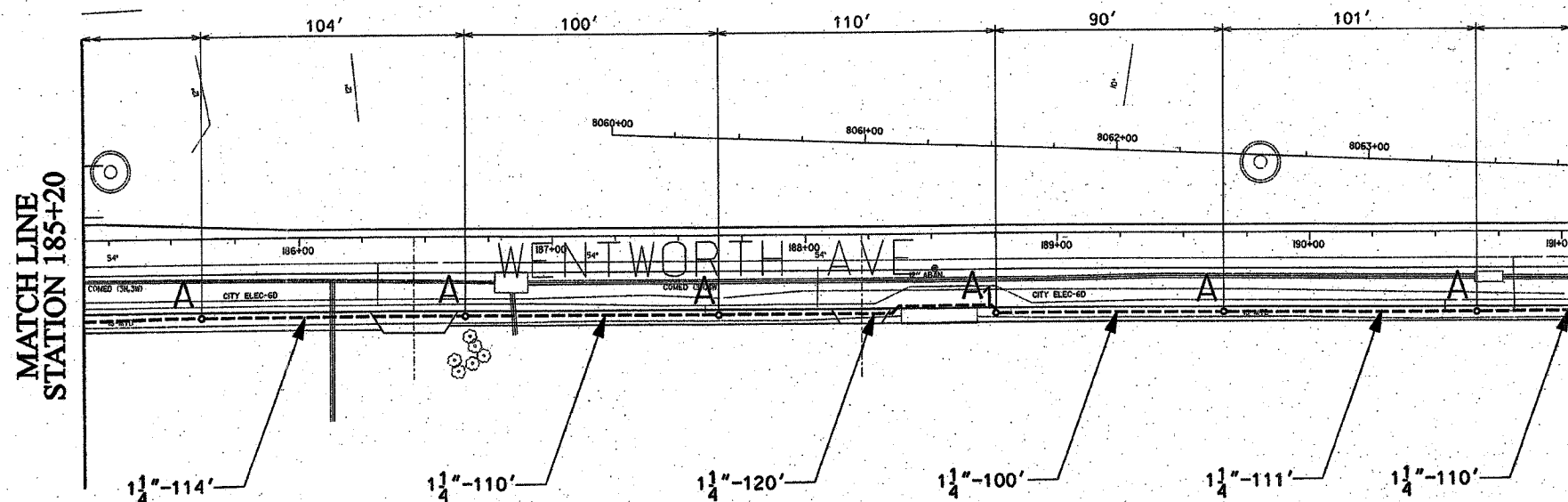
FOR INSTALLATION PLAN SEE SHEETS 04-022, 04-023  
FOR REMOVAL PLAN SEE SHEET 04-028, 04-029



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

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.



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. <b>04-013</b>
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) 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

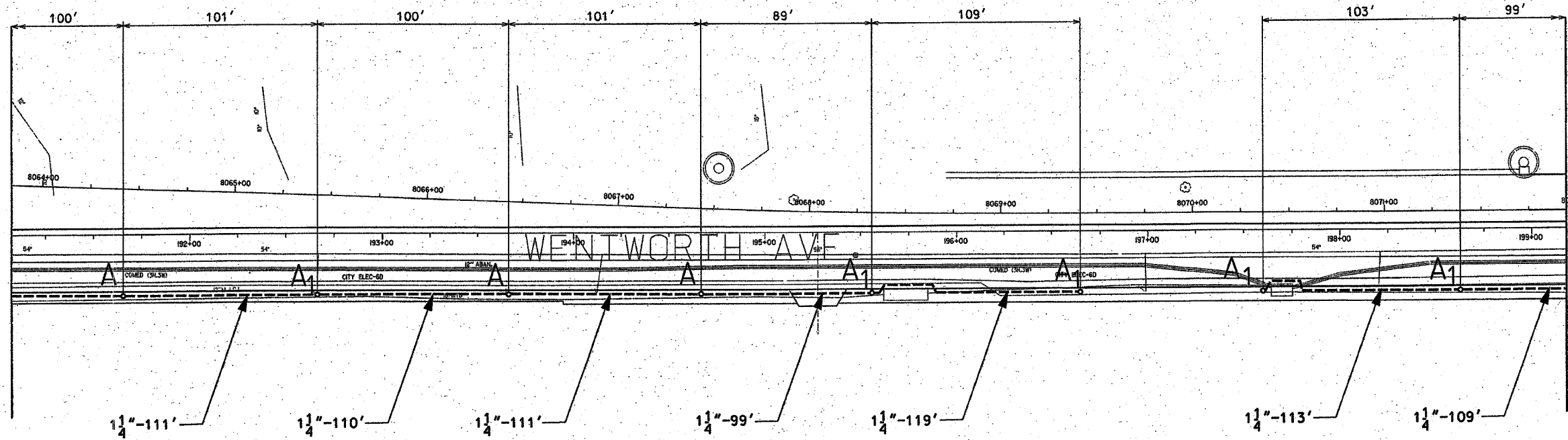


NOTE: CONTRACTOR IS TO CONTACT ALL UTILITY COMPANIES TO VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION WORK. MOVE FOUNDATIONS AND CONDUIT RUNS ACCORDINGLY.

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	37	25
STA. 191+05		TO STA. 204+60		
FED. ROAD DIST NO. 1		ILLINOIS	FED AID PROJECTS	
* 2004-068L				

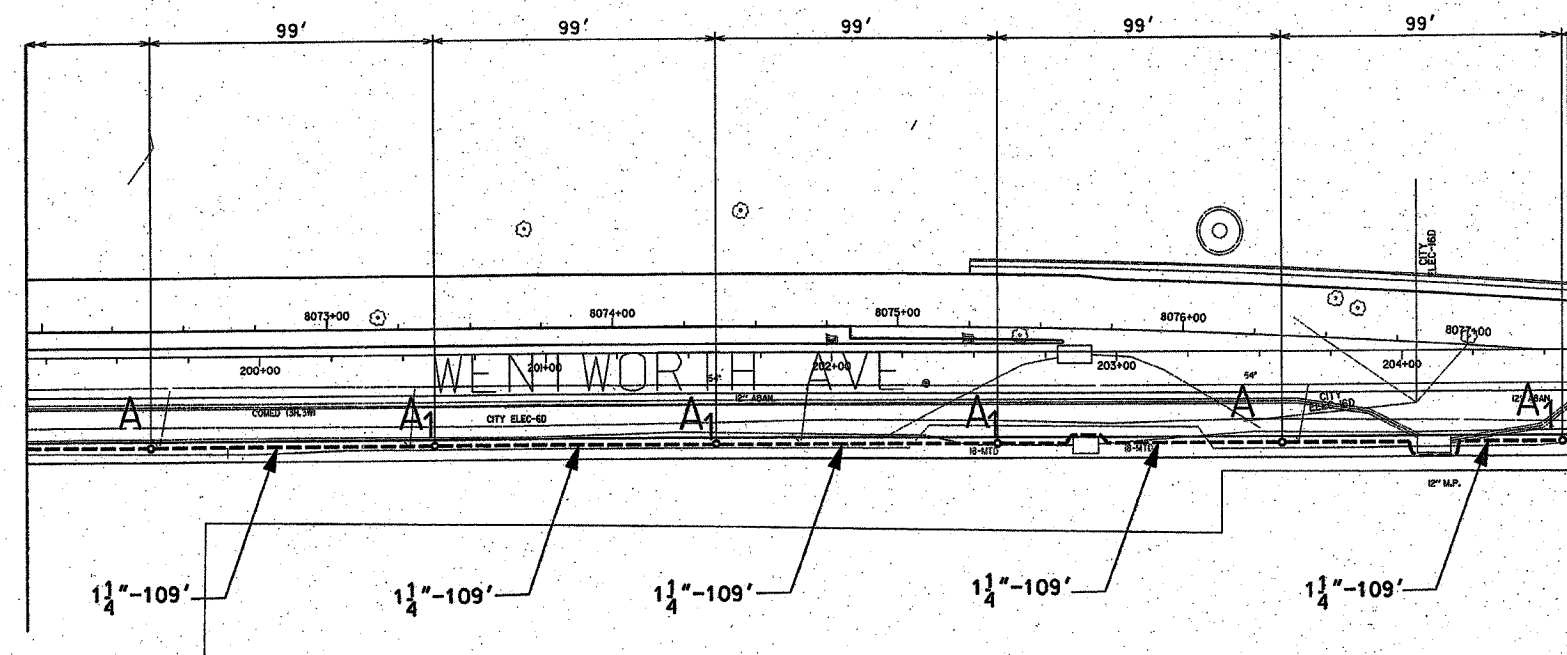
MATCH LINE  
STATION 191+05  
SEE SHEET 04-013

MATCH LINE  
STATION 199+15



MATCH LINE  
STATION 199+15

MATCH LINE  
STATION 204+60  
SEE SHEET 04-015



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<sub>1</sub>" - 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

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. <b>04-014</b>
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.		
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE: 22"   36"	SCALE: 1"=30'	DATE: 1/20/04	
ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 59th St. TO 47th St. (FRONTAGE ROADS)			
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES			
SCALE: 1" = 30'		DRAWN BY: B.T.G.	
DATE: February 11, 2005		CHECKED BY: O.L.	

REVISIONS	
NAME	DATE

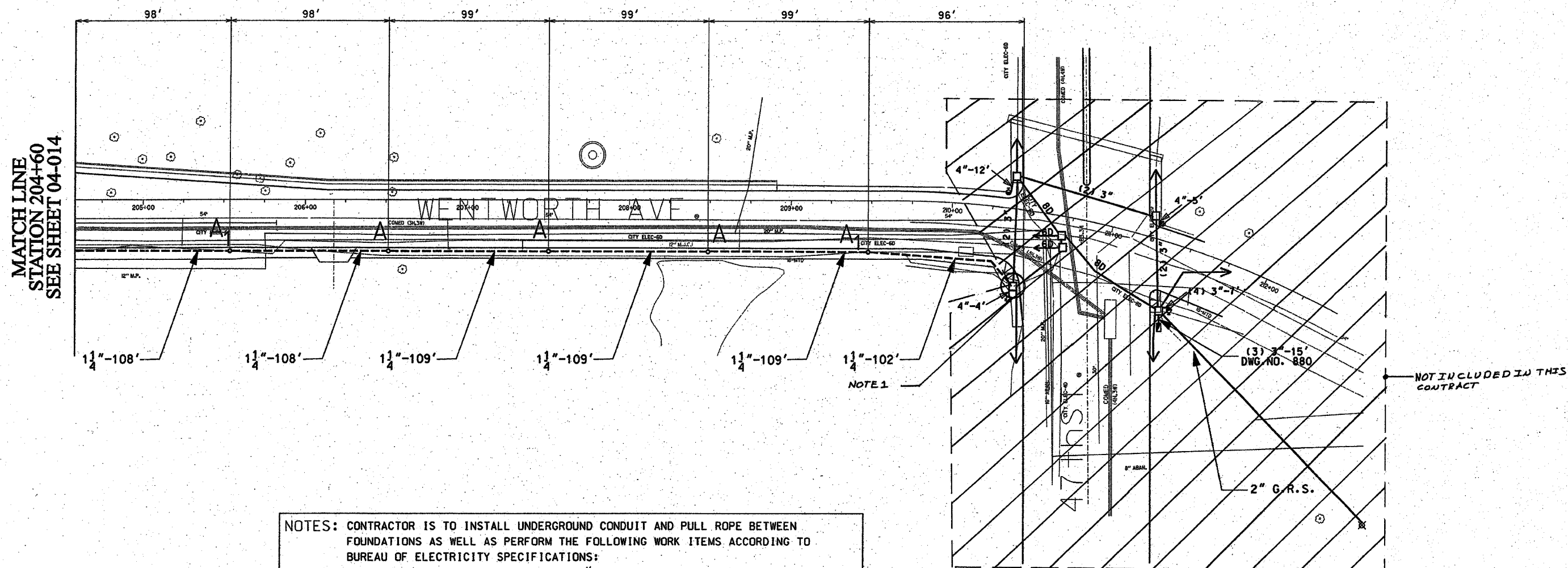
62807



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.



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<sub>1</sub>" - 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 MANHOLE AS SHOWN. DRILL THE EXISTING MANHOLE AND INSTALL PROPOSED CONDUIT THROUGH MANHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.

## CITY OF CHICAGO

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

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.  <b>04-01</b>	
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			

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

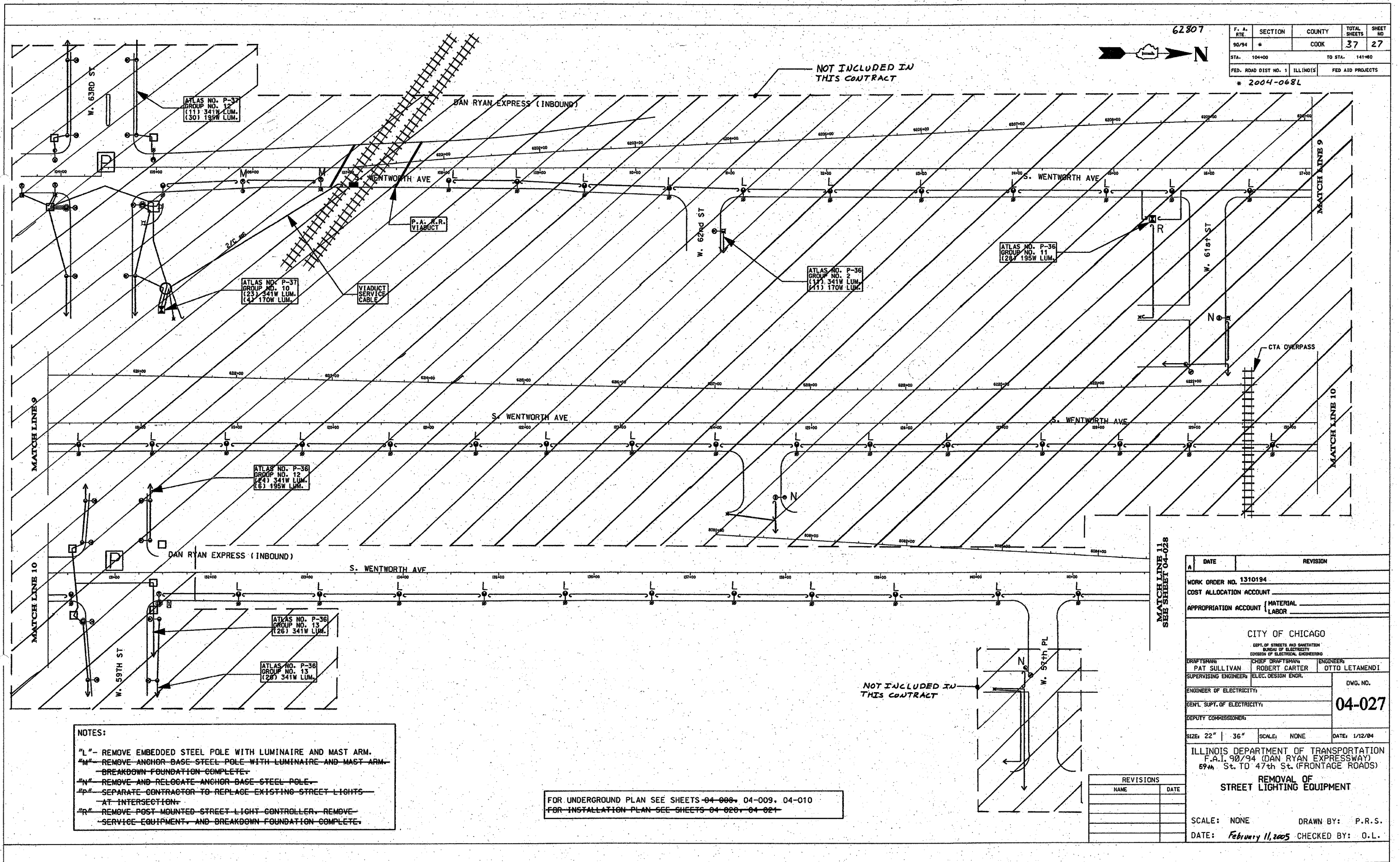
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
59th St. TO 47th St. (FRONTAGE ROADS)

STREET LIGHTING  
UNDERGROUND CONDUIT FACILITIES

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

REVISIONS	
NAME	DATE





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

ATLAS NO. P-36  
GROUP NO. 2  
(127) 341W LUM.  
(111) 170W LUM.

ATLAS NO. P-36  
GROUP NO. 11  
(126) 155W LUM.

ATLAS NO. P-37  
GROUP NO. 10  
(23) 341W LUM.  
(4) 170W LUM.

ATLAS NO. P-37  
GROUP NO. 12  
(11) 341W LUM.  
(30) 195W LUM.

ATLAS NO. P-36  
GROUP NO. 12  
(24) 341W LUM.  
(6) 195W LUM.

ATLAS NO. P-36  
GROUP NO. 13  
(26) 341W LUM.

ATLAS NO. P-36  
GROUP NO. 13  
(26) 341W LUM.

- 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.

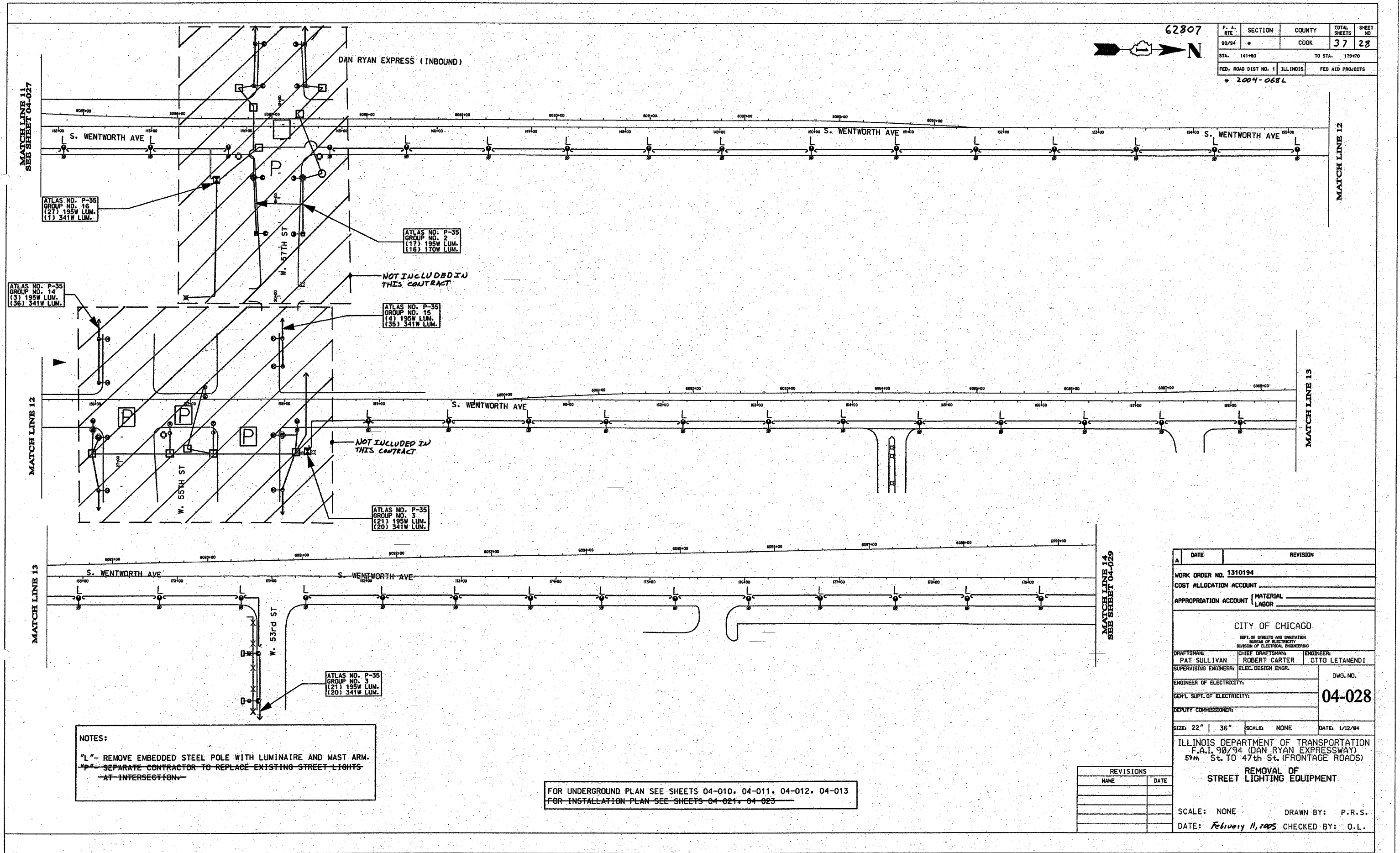
FOR UNDERGROUND PLAN SEE SHEETS 04-000, 04-009, 04-010  
FOR INSTALLATION PLAN SEE SHEETS 04-020, 04-021

NOT INCLUDED IN THIS CONTRACT

MATCH LINE 11  
SEE SHEET 04-028

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

REVISIONS	
NAME	DATE



62807



F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	28
STA. 141+80		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 13

MATCH LINE 14  
SEE SHEET 04-029

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

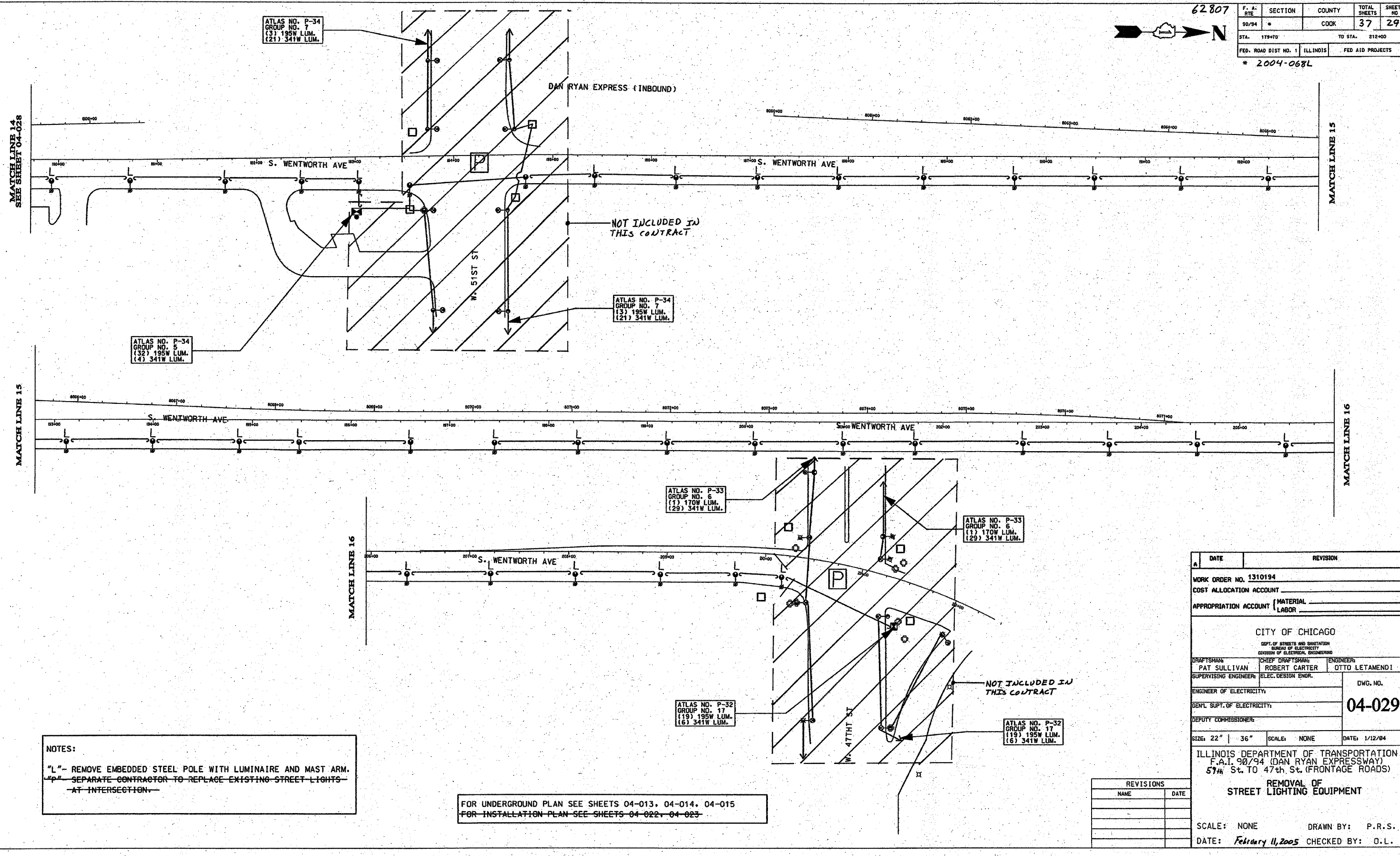
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
57th St. TO 47th St. (FRONTAGE ROADS)  
**REMOVAL OF  
STREET LIGHTING EQUIPMENT**

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

REVISIONS	
NAME	DATE

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



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

62807

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
90/94	*	COOK	37	29
STA. 179+70		TO STA. 212+00		
FED. ROAD DIST NO. 1		ILLINOIS	FED AID PROJECTS	
* 2004-068L				

DATE	REVISION
WORK ORDER NO. 1310194	
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT (MATERIAL LABOR)	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN PAT SULLIVAN	ENGINEER OTTO LETAMENDI
SUPERVISING ENGINEER ROBERT CARTER	ENGINEER ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22"   36"	SCALE: NONE
DATE: 1/12/84	
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



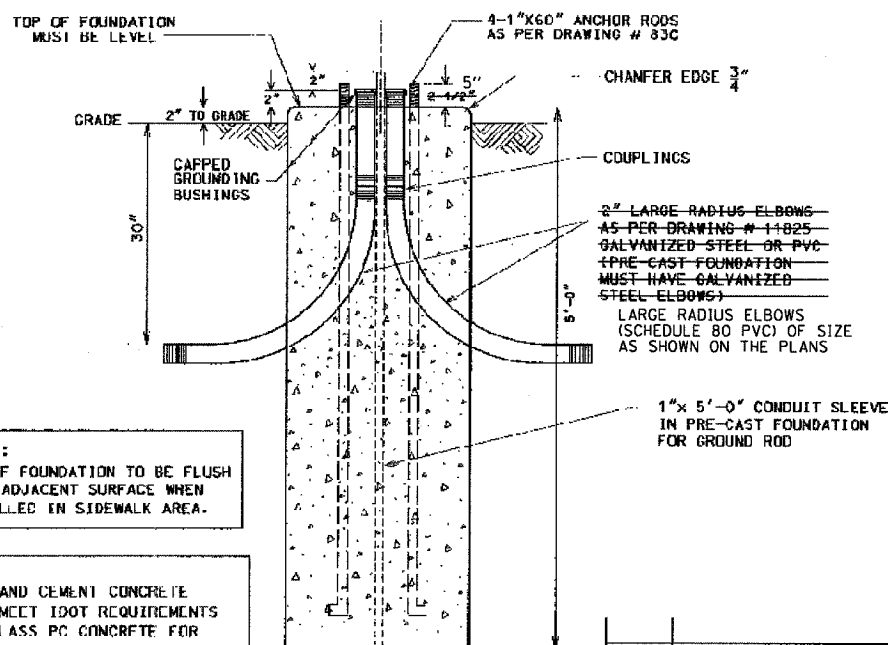
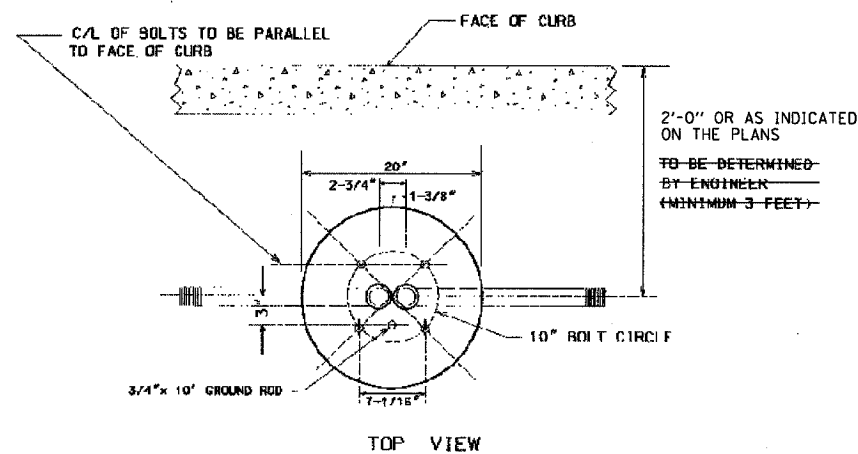
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-068L	COOK	37	30
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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.

\\C:\cib\h-m\p40468\p40468\elec\N4\City\565\CONTRACT 9813\BOE090130012A.DWG

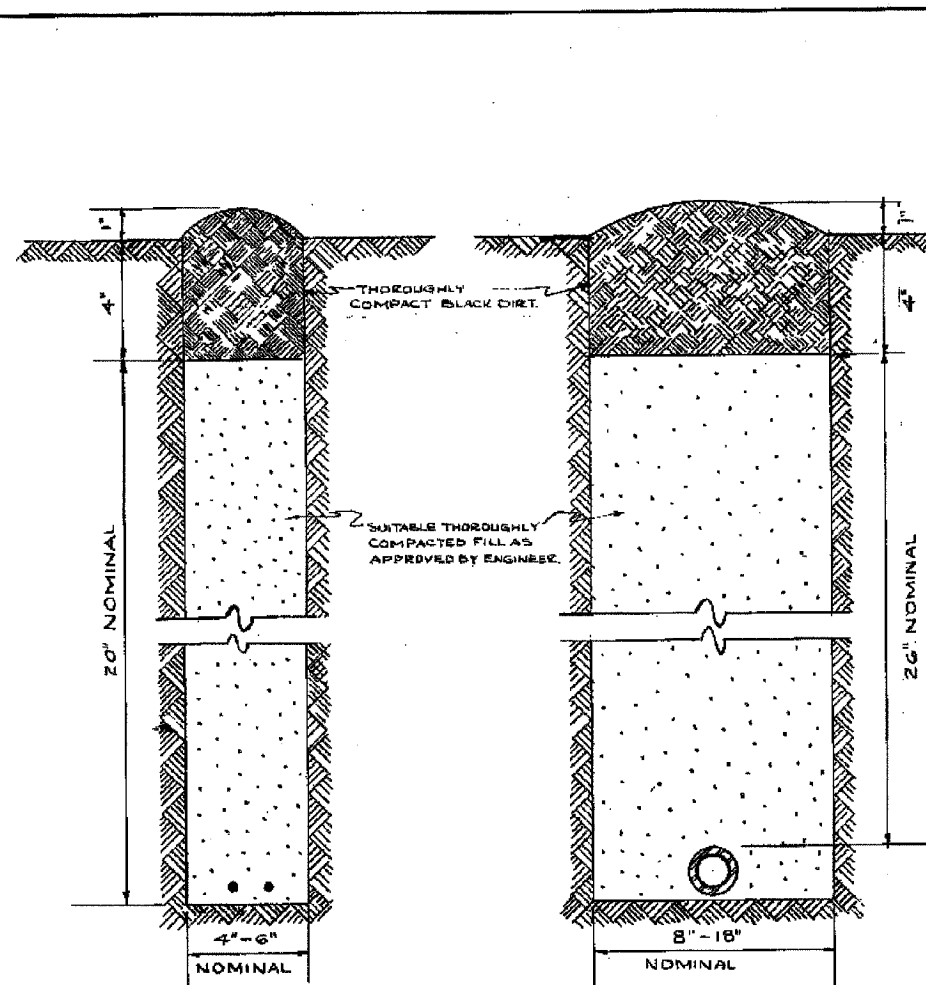


NOTE:  
TOP OF FOUNDATION TO BE FLUSH WITH ADJACENT SURFACE WHEN INSTALLED IN SIDEWALK AREA.

NOTE:  
PORTLAND CEMENT CONCRETE MUST MEET DOT REQUIREMENTS FOR CLASS PC CONCRETE FOR PRE-CAST STRUCTURES, OR CLASS SI CONCRETE FOR CAST-IN-PLACE STRUCTURES.

CODE	ORG.	MATERIAL	SIZE	AMT
0514-6580		SAND	BAG	5.4
0581-4470		STONE	BAG	9.1
0520-2650		CONCRETE	BAG	1.8
3752-0200	830	ANCHOR ROD	1"x60"	4
2429-7600	11825	CONDUIT ELBOW	2"x10"	2
0522-2316		CONDUIT HUFFLE	2"x12-3/4"	2
0911-8911		CONDUIT BUSHING	2"	2
0524-3080		CONDUIT COUPLING	2"	2
0916-9200		(200 NO. RIB)	3/4"x10"	1

DATE	REVISION
8/21/02	SUPERCEDES DMC #565 DRAWN 2/28/01
DATE	REVISION
	FOUNDATION FOR RESIDENTIAL LIGHT POLE WITH 10" BOLT CIRCLE/5' DEPTH
	CITY OF CHICAGO
	DEPT. OF STREETS & SANITATION
	BUREAU OF ELECTRICALITY
	DIVISION OF ELECTRICAL ENGINEERING
	DESIGNED BY: B. GARNSEY
	CHECKED BY: R. CARTER
	ENGINEER: B. GARNSEY
	DRAWING NO. 565
DATE	SCALE
8/21/02	11" x 17"



NOTE:  
EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.  
BLACK DIRT TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

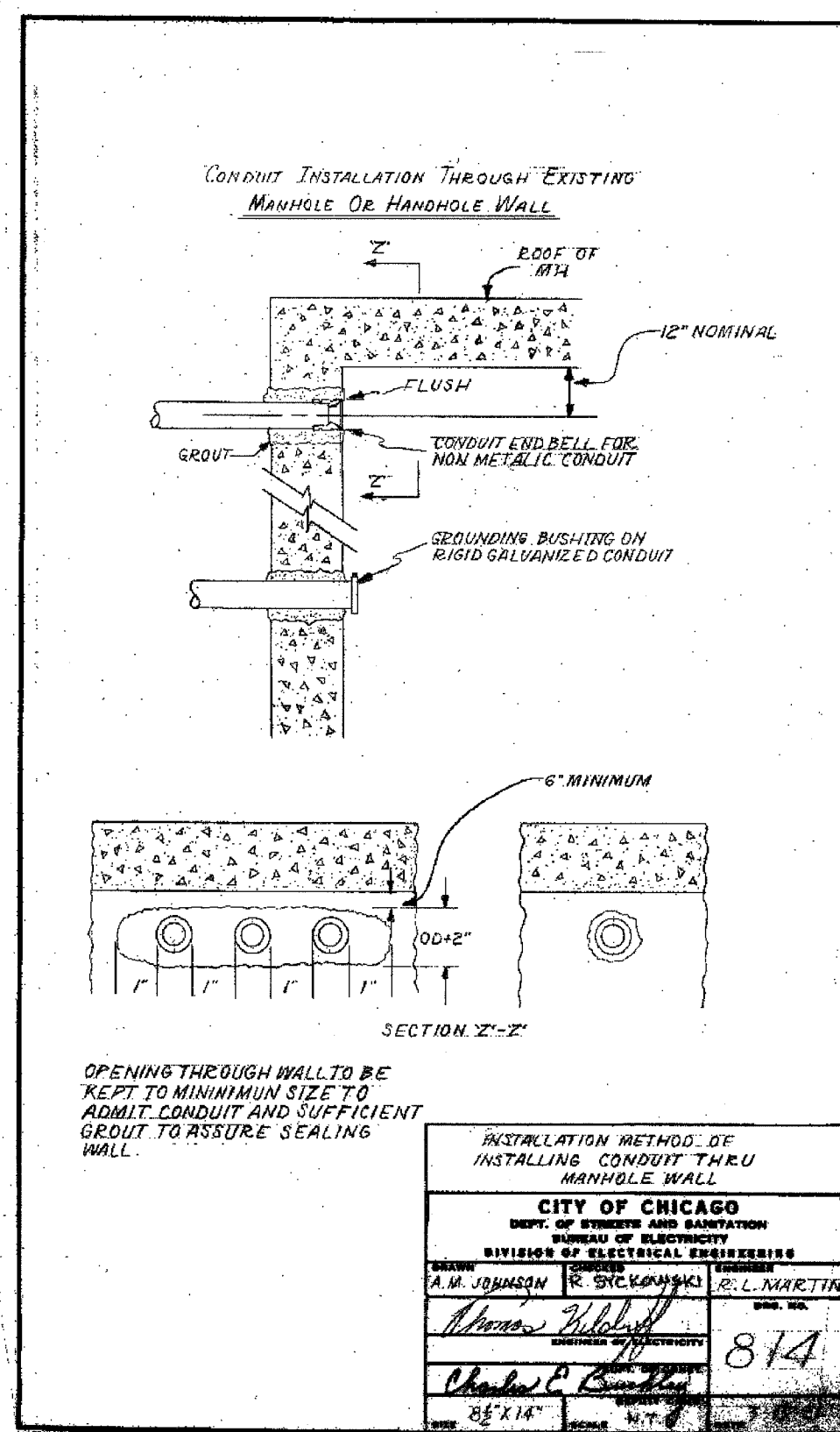
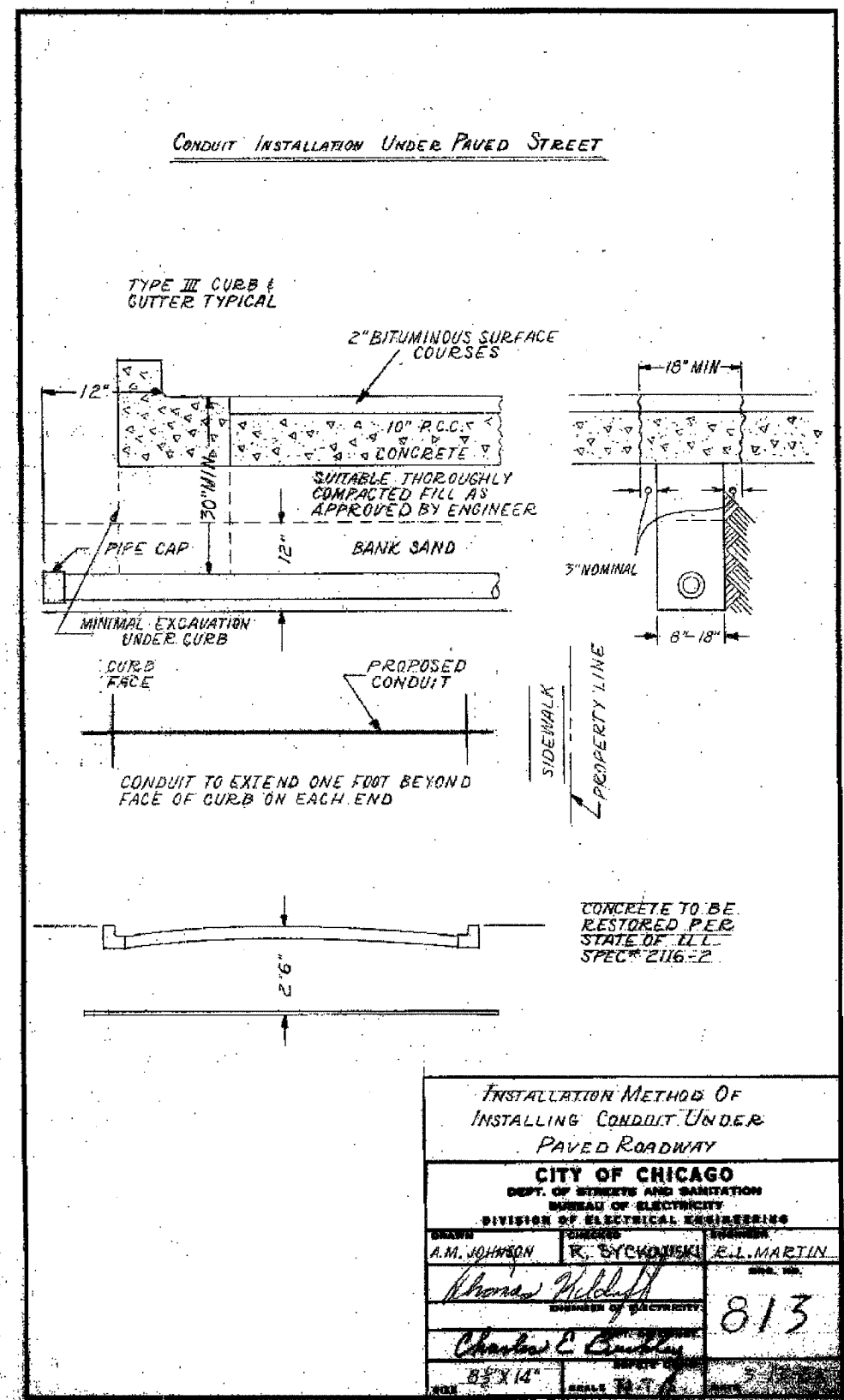
REVISION	DATE	DESCRIPTION
A		CITY OF CHICAGO
B		DEPT. OF STREETS & SANITATION
C		DIVISION OF ELECTRICAL ENGINEERING
D		DRAWN: W. E. HARRIS
E		CHECKED: M. J. HARRIS
F		ENGINEER: B. GARNSEY
G		DESIGNED BY: R. CARTER
H		DRAWING NO. 579

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

BOE-1

02/02/2005 09:09:46 AM



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  
[P] [P] SIGNAL, PEDESTRIAN, DON'T WALK/WALK  
➤ ➤ SIGNAL FACE ARROW, 12" COLOR AS NOTED  
[Y] [Y] SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION  
[P] [P] PUSH BUTTON, PEDESTRIAN  
[I] [I] SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED  
[M] [M] MAST ARM, MONOTUBE, STEEL, SIZE AS INDICATED (SEE DWG. #870)  
[M] [M] MAST ARM, TRUSS, ALUMINUM, SIZE AS INDICATED  
[C] [C] CONTROLLER, TRAFFIC SIGNAL, PEDESTAL OR BASE MOUNTED AS INDICATED  
[C] [C] CONTROLLER, STREET LIGHTING, PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)  
[C] [C] CONTROLLER, STREET LIGHTING, POLE MOUNTED (DWG. #11940)  
[C] [C] POLE, WOOD, COMMONWEALTH EDISON COMPANY, SERVICE  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA., 10" DIA. AND 15" B.C.  
24"x7' FND. W/1 1/4" ANCHOR RODS DRG. #818.  
[C] [C] 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.)  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA., 11" DIA. AND 17 1/4" B.C.  
30"x9' FND. W/1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)  
[C] [C] 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.)  
[C] [C] 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.  
[C] [C] 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.  
[C] [C] 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.  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 20'-27'-6", 29'-6" 7 GA., AND FND. WITH 10"  
B.C. AND 1" ANCHOR RODS DRG. #11408B.  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 20'-27'-6", 29'-6" 3 GA., AND FND. WITH 10"  
B.C. AND 1" ANCHOR RODS DRG. #11408B.  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C.  
AND 1" ANCHOR RODS DRG. #753.  
[C] [C] POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C.  
AND 1" ANCHOR RODS DRG. #753.  
[C] [C] 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.  
[C] [C] 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.  
[C] [C] POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH  
14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.  
[C] [C] POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 7 GA., TAPERED TUBULAR. (DWG. #658)  
[C] [C] POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 3 GA., TAPERED TUBULAR. (DWG. #658)  
[C] [C] POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)  
[C] [C] COLUMN, ELEVATED STRUCTURE  
[C] [C] POLE, WOOD. (SIZE AS NOTED)  
[C] [C] POLE, FOUNDATION WITH ELBOWS AS INDICATED. (SIZE AS NOTED)  
[C] [C] POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS

PROPOSED PRESENT

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

ORNAMENTAL LUMINAIRES

PROPOSED	EXISTING		
[P]	[P]	310W PENDANT (240V)	
[P]	[P]	400W PENDANT (240V)	
[P]	[P]	250W PENDANT (240V)	
[P]	[P]	150W ACORN (120V)	
[P]	[P]	150W ACORN (240V)	
[P]	[P]	50W ACORN (240V)	
[P]	[P]	100W ACORN (240V)	
[P]	[P]	150W GLOBE (240V)	
[P]	[P]	100W GLOBE (240V)	
[P]	[P]	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 ENGINEERING		
DESIGNED BY R. IVY	CHECKED BY R. CARTER	ENGINEER R. POOL/R.C.W.T.
SUPERVISING ENGINEER ELEC. DESIGN-ENGR.	DWG. NO. 826	
DEPT. OF ELECTRICAL ENGINEERING	DATE:	
DEPT. OF ELECTRICAL ENGINEERING	SCALE:	
SIZE: 22" x 36"		

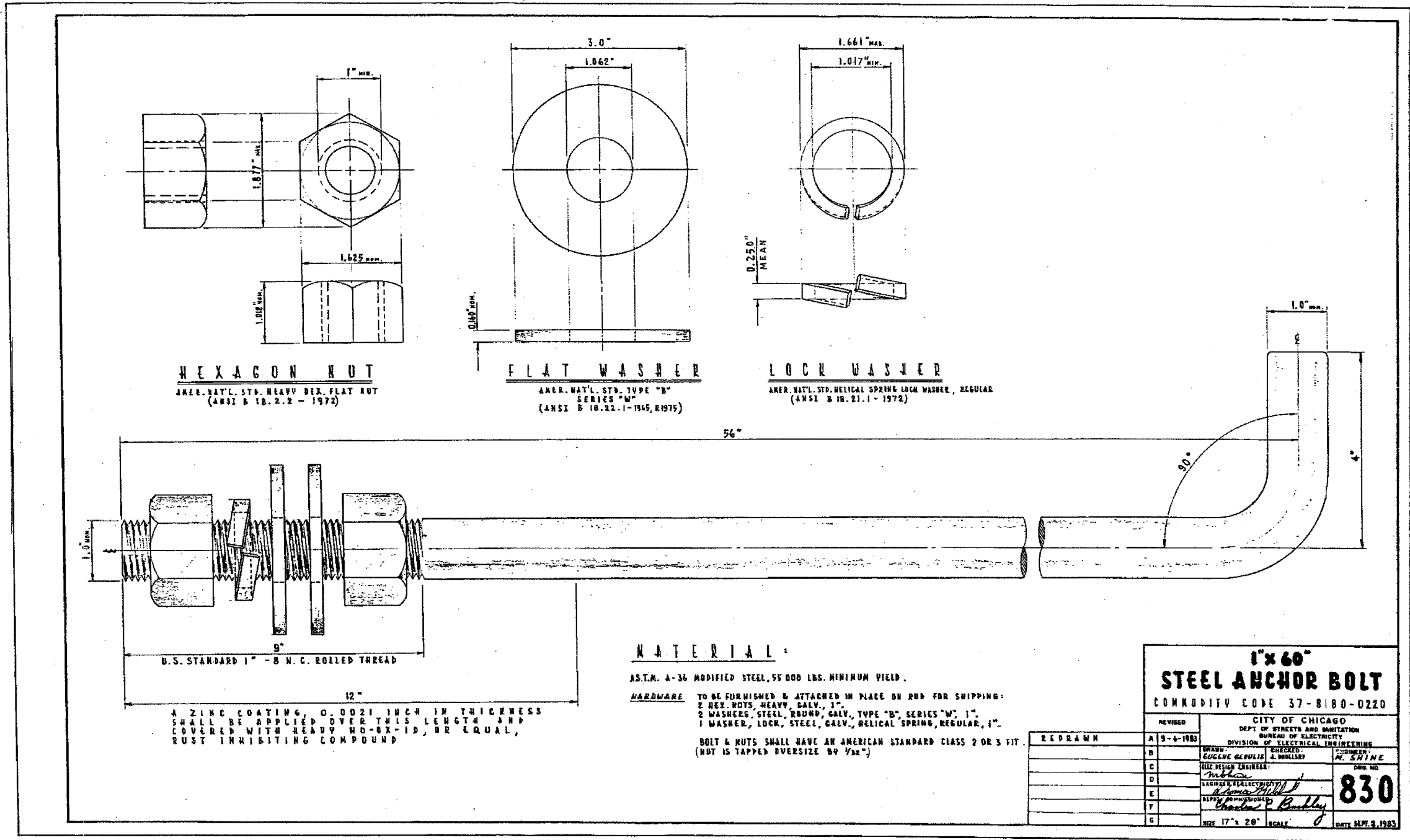
BOE-3

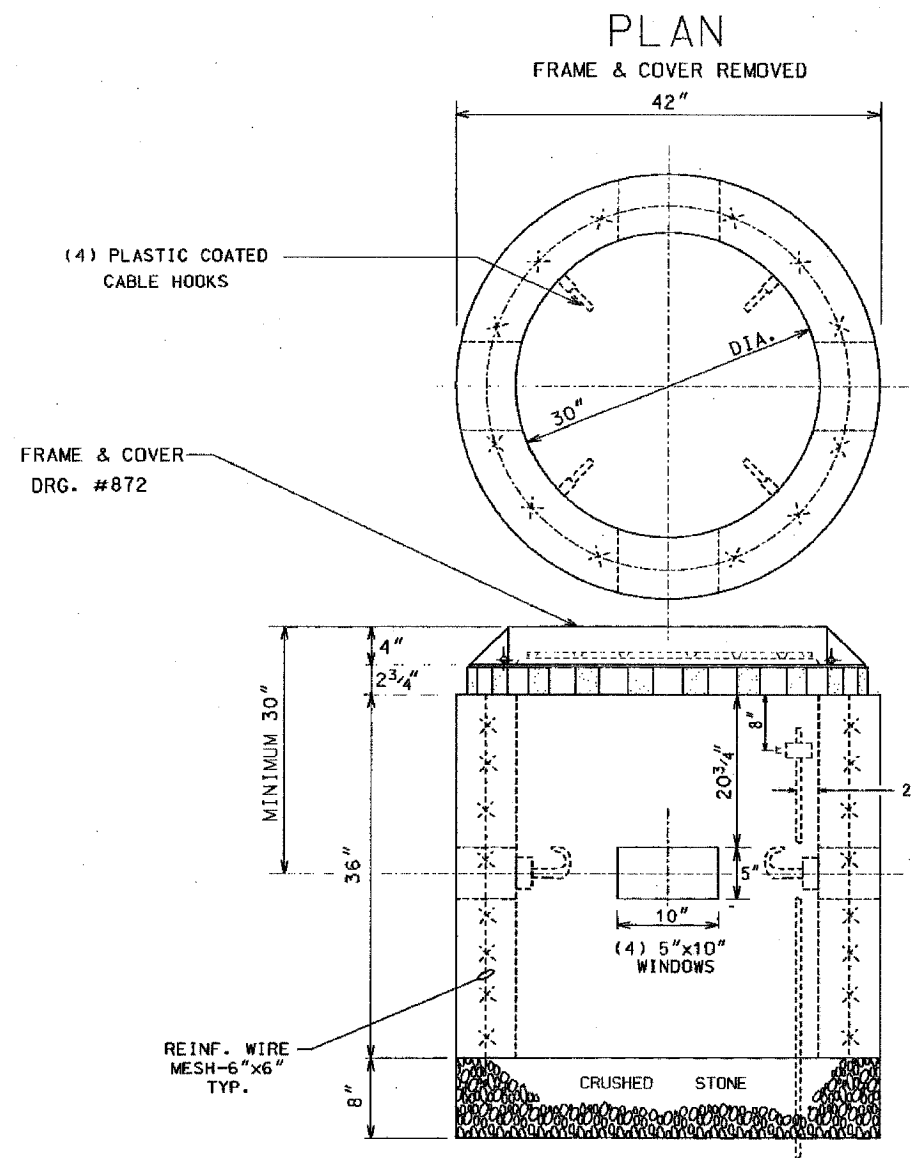
REVISIONS	NAME	DATE

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





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:

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

B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	BOE/RED
A	12-8-95	REDRAW (CAD)	MP.
DATE		REVISION	
30" DIA. CONCRETE HANDHOLE			
CITY OF CHICAGO DEPT. OF STREET AND SANITATION DIVISION OF ELECTRICAL ENGINEERING DIVISION OF ELECTRICAL ENGINEERING			
DRAWN BY M. PATTEN	CHECKED BY B. CARTER	DESIGNED BY DEBARTOLO	TRUMPKA
SUPERVISING ENGINEER			ENGINEER OF ELECTRICAL ENGINEERING
ENGINEER OF ELECTRICAL ENGINEERING			UWG. NO.
DEPT. CHIEF OF ELECTRICAL ENGINEERING			867
DEPT. CHIEF OF ELECTRICAL ENGINEERING			
SIZE: 11"	17	SCALE: NONE	DATE: 12-8-95

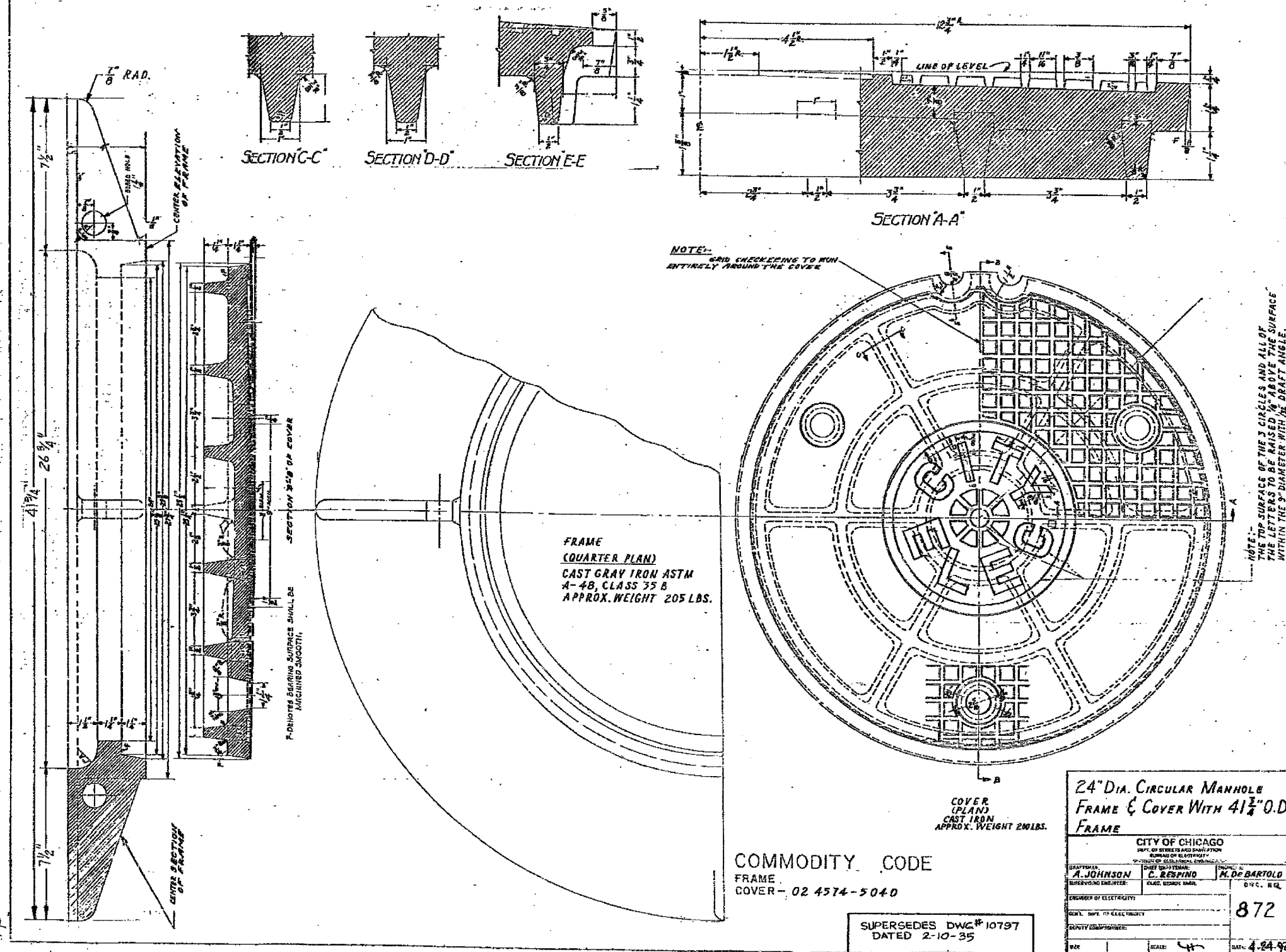
BOE-5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)  
59th ST TO 47th ST (FRONTAGE ROAD)  
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CHECKED BY: WDS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-06BL	COOK	37	35
STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
62807				



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  
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