

62806

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

D-91-419-01

INDEX OF SHEETS

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

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTION 2004-067L
PROJECT: IM-094-3(386)057
59th ST TO 47th ST (FRONTAGE ROADS)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET
COOK COUNTY
C-91-29104

IDOT HIGHWAY STANDARDS

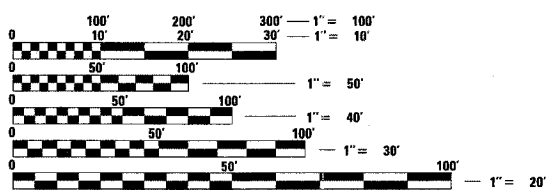
STANDARD	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES

PROJECT LOCATED IN CITY OF CHICAGO

DESIGN DESIGNATION

WELLS ST: 8275 (20) URBAN COLLECTOR

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

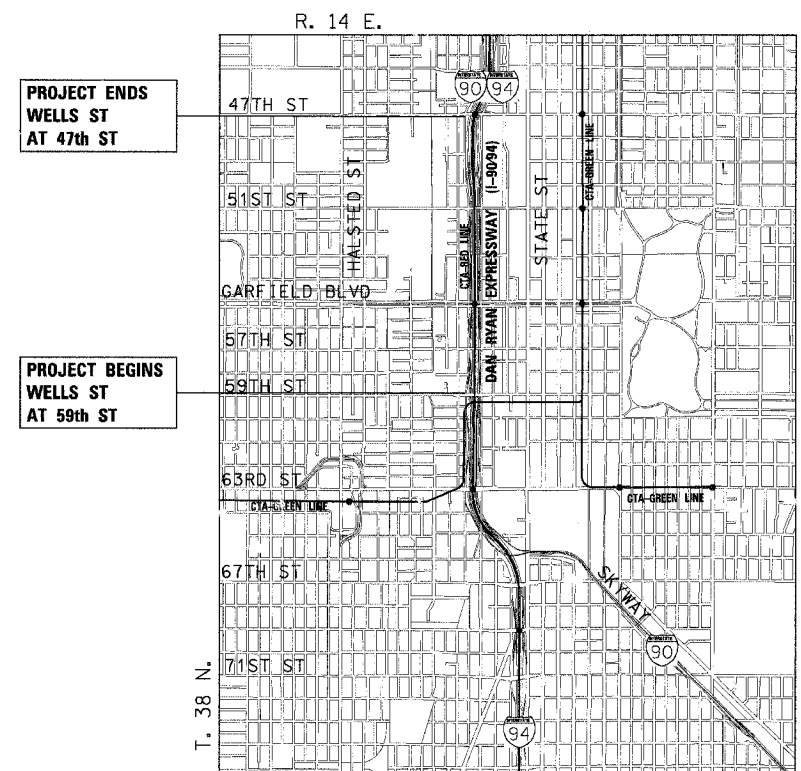


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 62806

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

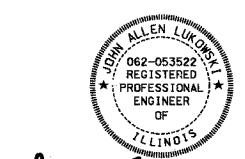


LOCATION MAP

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



LOCATION OF SECTION INDICATED THUS: [Symbol]



John A. Lukowski
1-19
SHEET NOS.

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



James P. Coleman
20-28
SHEET NOS.

10-30-2005
EXPIRES
2-2-2005
DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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

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

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

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL 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	2004-067L	COOK	35	2
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

62806

GENERAL NOTES:

1. 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
 62795 - SIDEWALK AND DRIVEWAYS - WELLS STREET 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
 62808 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WELLS STREET FROM 53rd STREET TO 51st STREET
 62810 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WELLS STREET FROM 51st STREET TO 47th STREET
 62812 - FRONTAGE ROAD PAVING AND COMBINED SEWER - 51st STREET AND WENTWORTH AVENUE/WELLS STREET
 62813 - FRONTAGE ROAD PAVING AND COMBINED SEWER - WELLS STREET 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, 62808, 62810, 62812, 62813.

GENERAL NOTES (CONTINUED):

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 62795.
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.

GENERAL NOTES: CITY OF CHICAGO

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.

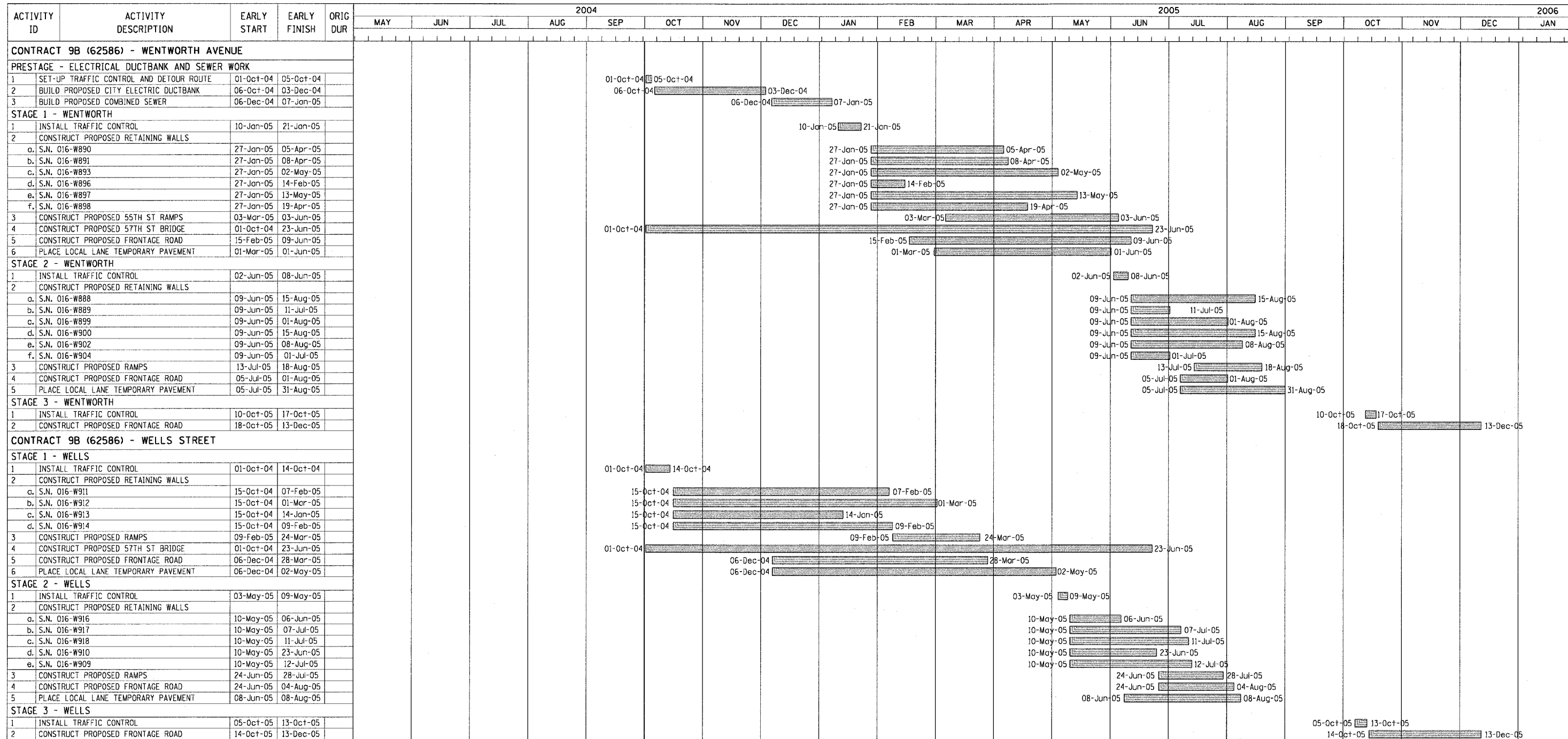
PROJECT COMMITMENTS:

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 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 (ECAD).

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 WELLS STREET
NAME	DATE	
		GENERAL NOTES AND PROJECT COMMITMENTS
SCALE: NONE	DRAWN BY: CJM	CHECKED BY: WDS
DATE: February 11, 2005		



V:\projects\90-468\90-468\elec\N-01-5151R\contract 90-468\2001\2001.dwg



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

LEGEND:

WORK PERFORMED IN CONTRACTS BY OTHERS

WORK PERFORMED AS PART OF THIS CONTRACT



REVISIONS	
NAME	DATE

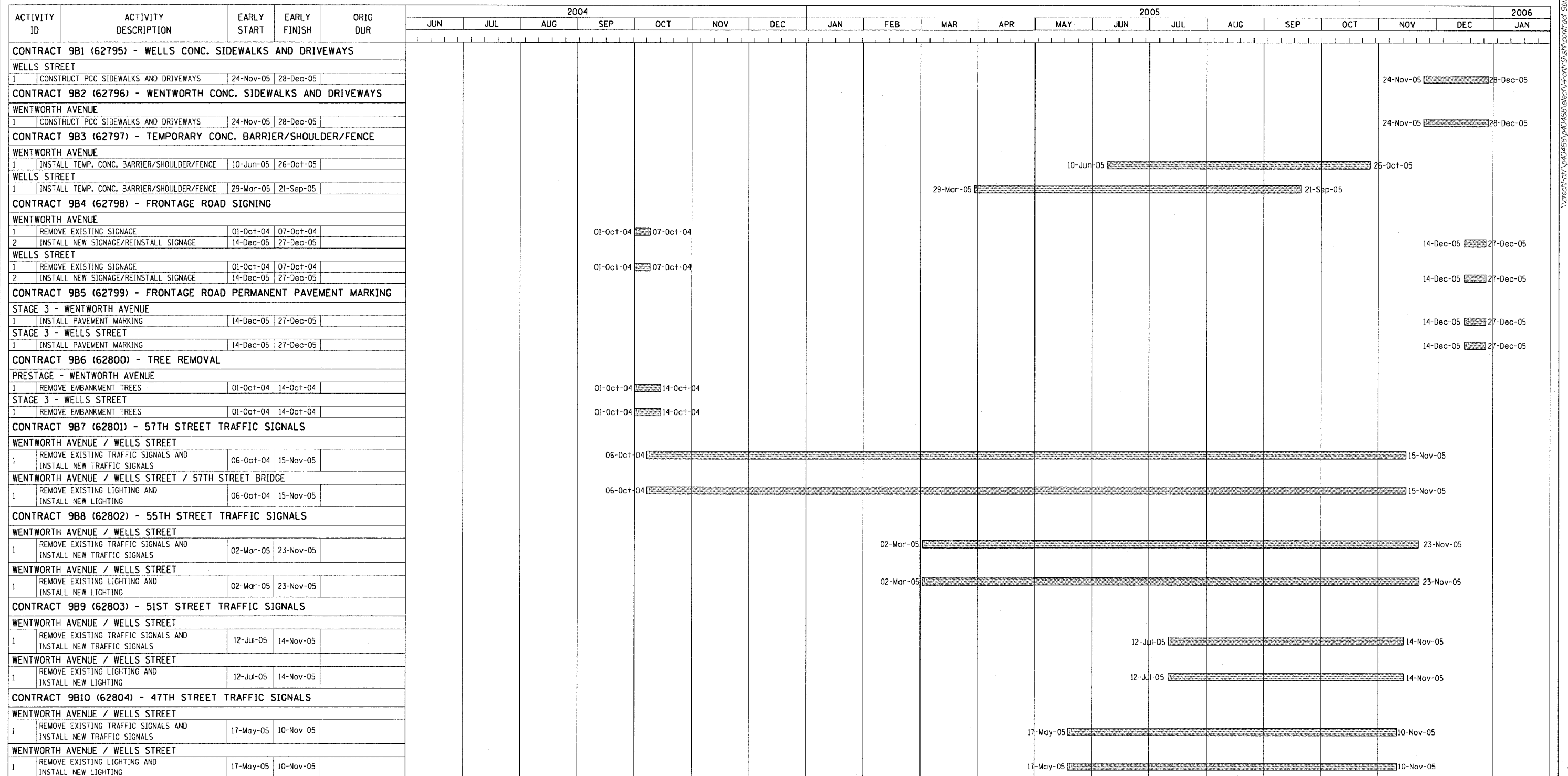
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET

SUGGESTED CONSTRUCTION SCHEDULE

SCALE: NONE
 DATE: February 11, 2005


DRAWN BY: AMM
 CHECKED BY: JAL


02/02/2005 09:01:41 AM



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

LEGEND:

 WORK PERFORMED IN CONTRACTS BY OTHERS

 WORK PERFORMED AS PART OF THIS CONTRACT

REVISIONS	
NAME	DATE

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

SUGGESTED CONSTRUCTION SCHEDULE



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



\p04069\p04069\elect\4-cont\9b10\contract 9b10\62804.ctb 09/01/05 09:01:42 AM

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

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

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



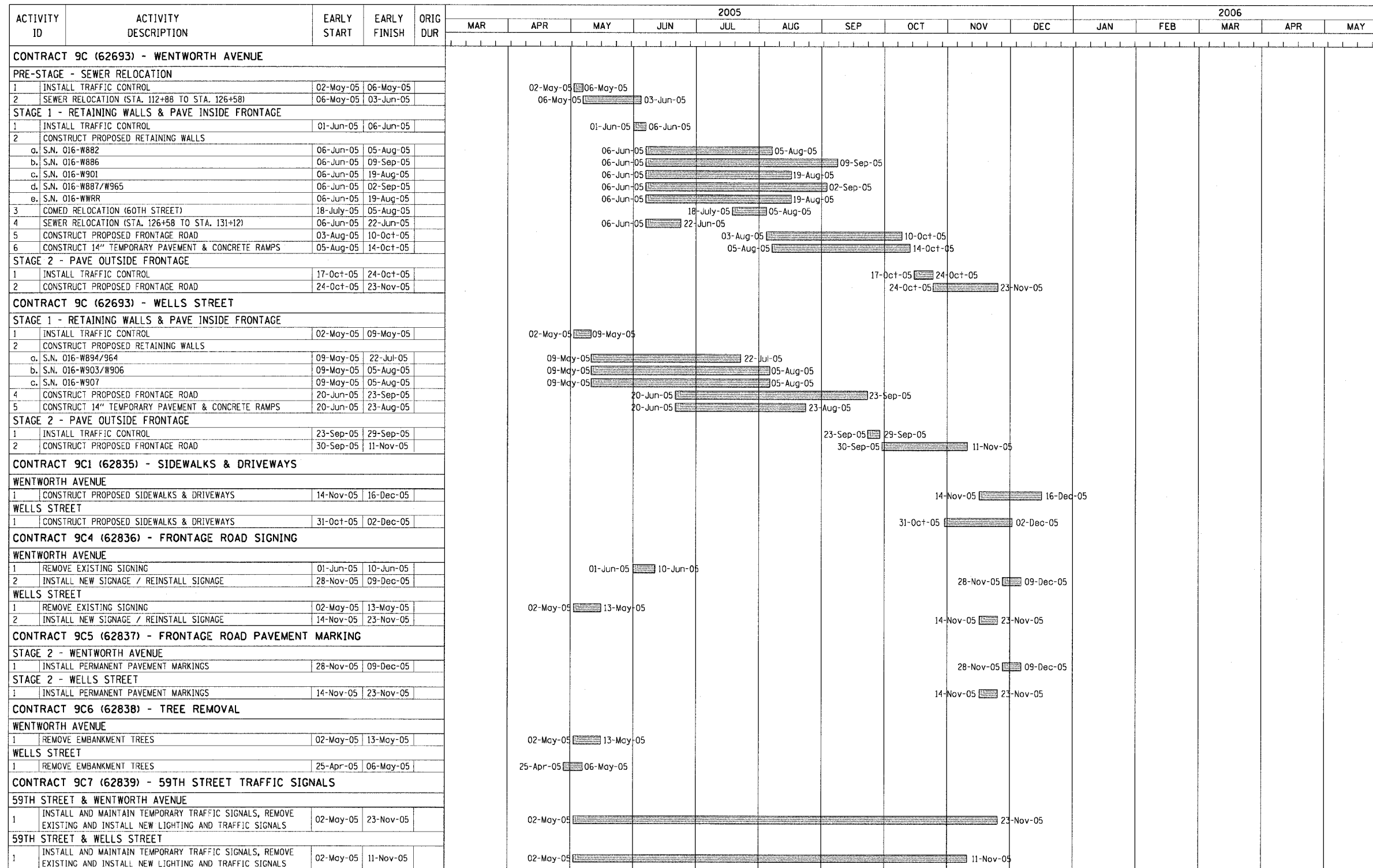
REVISIONS	
NAME	DATE

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



SUGGESTED CONSTRUCTION SCHEDULE

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

02/10/2005 09:01:42 AM



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

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



REVISIONS	
NAME	DATE

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

SCALE: NONE
 DATE: February 11, 2005

DRAWN BY: AMM
 CHECKED BY: RMG

V:\projects\90-94\62806\62806.dwg 02/11/2005 09:01:43 AM

CURVE COLLNBO1
 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 COLLNBO2
 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 COLLNBO3
 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 COLLSBO1
 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 COLLSBO2
 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 COLLSBO3
 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

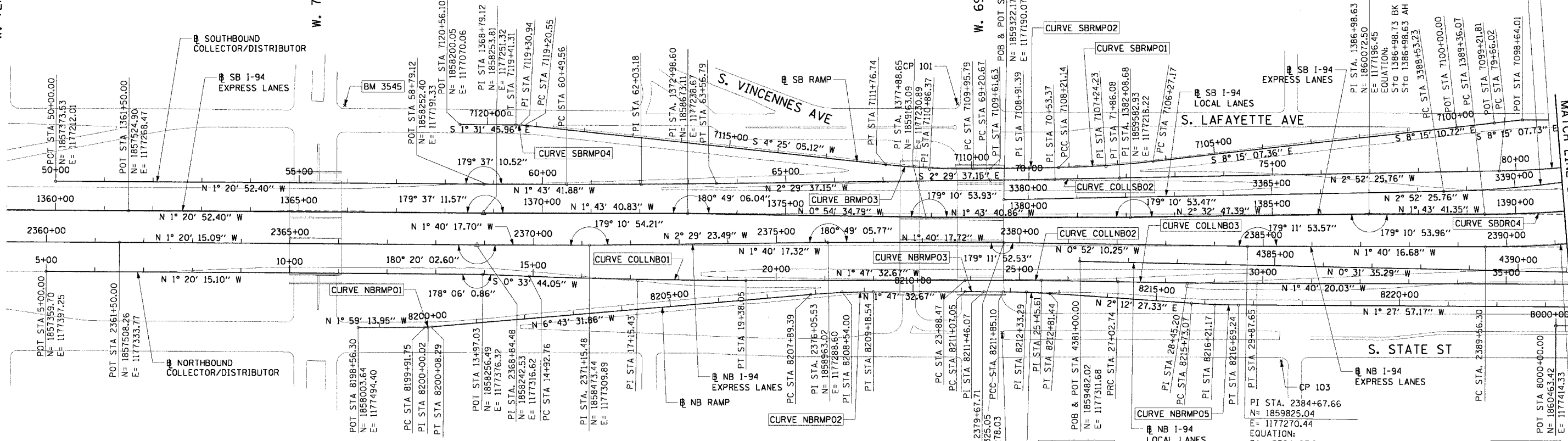
F.A.I. RTE. 90/94	SECTION 2004-067L	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 9
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
62806				

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= 200.00'
 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= 96.34
 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 SBLOCSO1**
 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= 5.52'
 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

NOTES:
 1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360

REVISIONS	
NAME	DATE

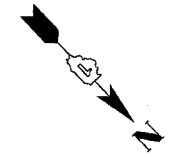
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 59th ST TO 47th ST (FRONTAGE ROAD)
 CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
 WELLS STREET
ALIGNMENT PLAN
 SCALE: 1"=100'
 DATE: February 11, 2005
 DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



I:\Projects\9094\Drawings\9094-067L\9094-067L-09.dwg
 09/01/04
 09/01/04

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

62806



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

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

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

CURVE COLLSB03
P.I. STA= 81+04.03
N= 1,860,475.04
E= 1,177,091.89
Δ= 8° 56' 14"
D= 3° 14' 39"
R= 1,766.00'
T= 138.01'
L= 275.46'
E= 5.38'
e= 5.63%
T.R.= N/A
S.E. RUN= 200.00'
P.C. STA= 79+66.02
N= 1,860,337.20
E= 1,177,098.81
P.T. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64

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

CURVE COLLSB05
P.I. STA= 86+99.51
N= 1,861,046.34
E= 1,176,924.37
Δ= 20° 54' 28"
D= 3° 34' 51"
R= 1,600.00'
T= 295.21'
L= 583.86'
E= 27.00'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16
P.T. STA= 89+88.16
N= 1,861,274.37
E= 1,176,736.87

CURVE NBLOCO1
P.I. STA= 4398+91.75
N= 1,861,273.69
E= 1,177,295.21
Δ= 47° 52' 53"
D= 3° 22' 13"
R= 1700.00'
T= 754.78'
L= 1420.67'
E= 160.03'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 4391+36.97
N= 1,860,518.94
E= 1,177,302.15
P.T. STA= 4405+57.64
N= 1,861,774.74
E= 1,176,730.72

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

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

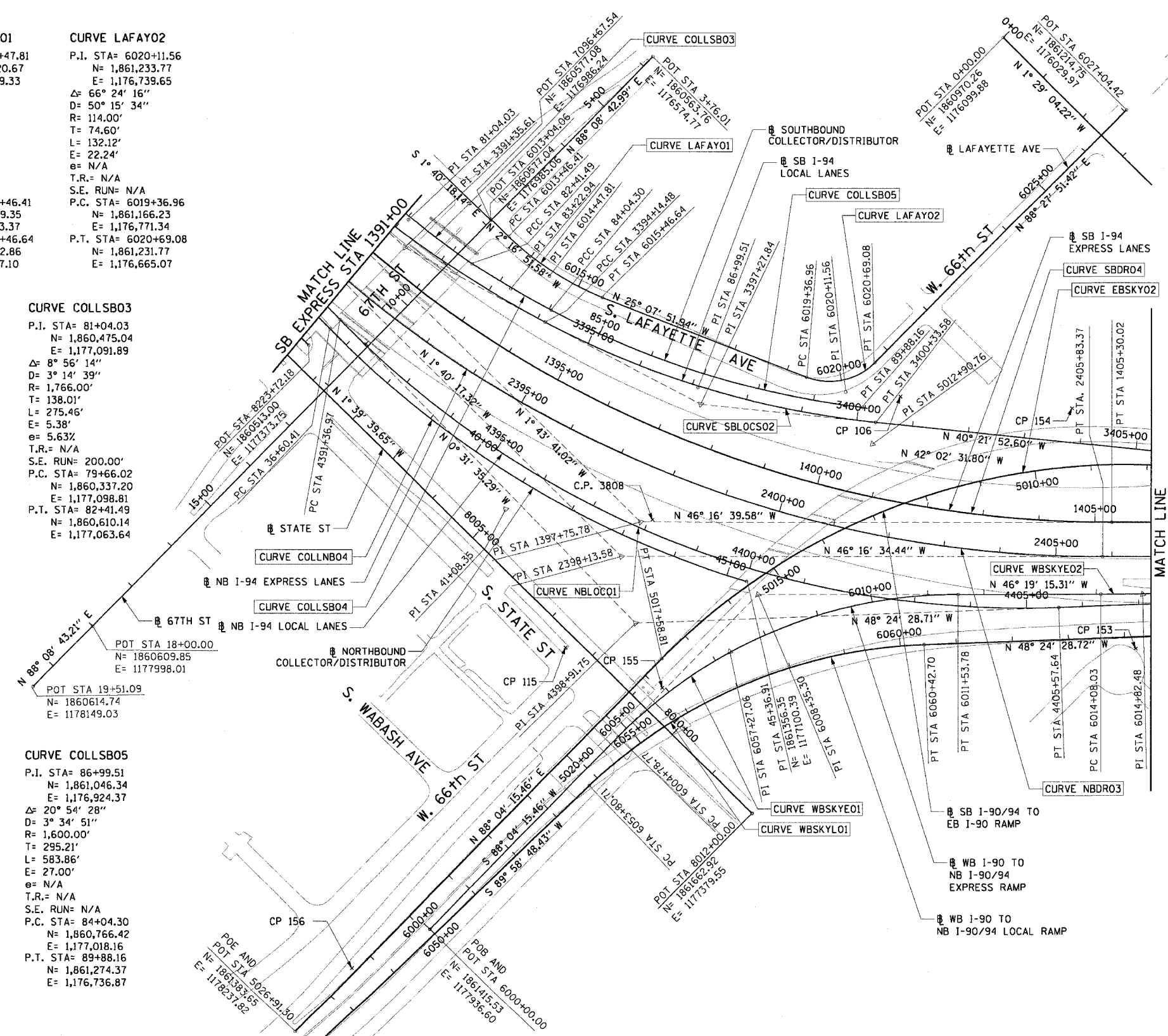
CURVE WBSKYE01
P.I. STA= 6008+35.30
N= 1,861,387.41
E= 1,177,101.77
Δ= 45° 36' 29"
D= 6° 45' 24"
R= 848.00'
T= 356.54'
L= 675.02'
E= 71.90'
e= 6.0%
T.R.= N/A
S.E. RUN= 96' (179.23')
P.C. STA= 6004+78.77
N= 1,861,399.41
E= 1,177,458.10
P.T. STA= 6011+53.78
N= 1,861,633.64
E= 1,176,843.91

CURVE WBSKYE02
P.I. STA= 6014+82.48
N= 1,861,860.65
E= 1,176,606.19
Δ= 2° 30' 00"
D= 1° 40' 45"
R= 3412.00'
T= 74.45'
L= 148.88'
E= 0.81'
e= 3.1%
T.R.= N/A
S.E. RUN= 138.58' (80.76')
P.C. STA= 6014+08.03
N= 1,861,809.23
E= 1,176,660.04
P.T. STA= 6015+56.91
N= 1,861,909.67
E= 1,176,550.16

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

CURVE EBSKY02
P.I. STA= 5012+90.76
N= 1,861,334.19
E= 1,176,769.43
Δ= 49° 53' 13"
D= 4° 57' 54"
R= 1154.00'
T= 536.73'
L= 1004.78'
E= 118.71'
e= 5.6%
T.R.= 48' (96')
S.E. RUN= 135' (135')
P.C. STA= 5007+54.03
N= 1,861,732.80
E= 1,176,409.99
P.T. STA= 5017+58.81
N= 1,861,352.26
E= 1,177,305.85

CURVE SBDR04
P.I. STA= 1397+75.78
N= 1,861,149.16
E= 1,177,163.97
Δ= 44° 32' 59"
D= 2° 47' 42"
R= 2050.00'
T= 839.71'
L= 1593.95'
E= 165.31'
e= 5.5%
T.R.= 96'
S.E. RUN= 226' (244.83')
P.C. STA= 1389+36.07
N= 1,860,309.83
E= 1,177,189.29
P.T. STA= 1405+30.02
N= 1,861,729.54
E= 1,176,557.11



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
59th ST TO 47th ST (FRONTAGE ROAD)
CITY OF CHICAGO LIGHTING CONDUIT & FOUNDATIONS
WELLS STREET
ALIGNMENT PLAN
SCALE: 1"=100'
DATE: February 11, 2005
DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS



02/10/2005 09:01:34 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2004-067L	COOK	35	11
STA. TO STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
62806				

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

CURVE 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

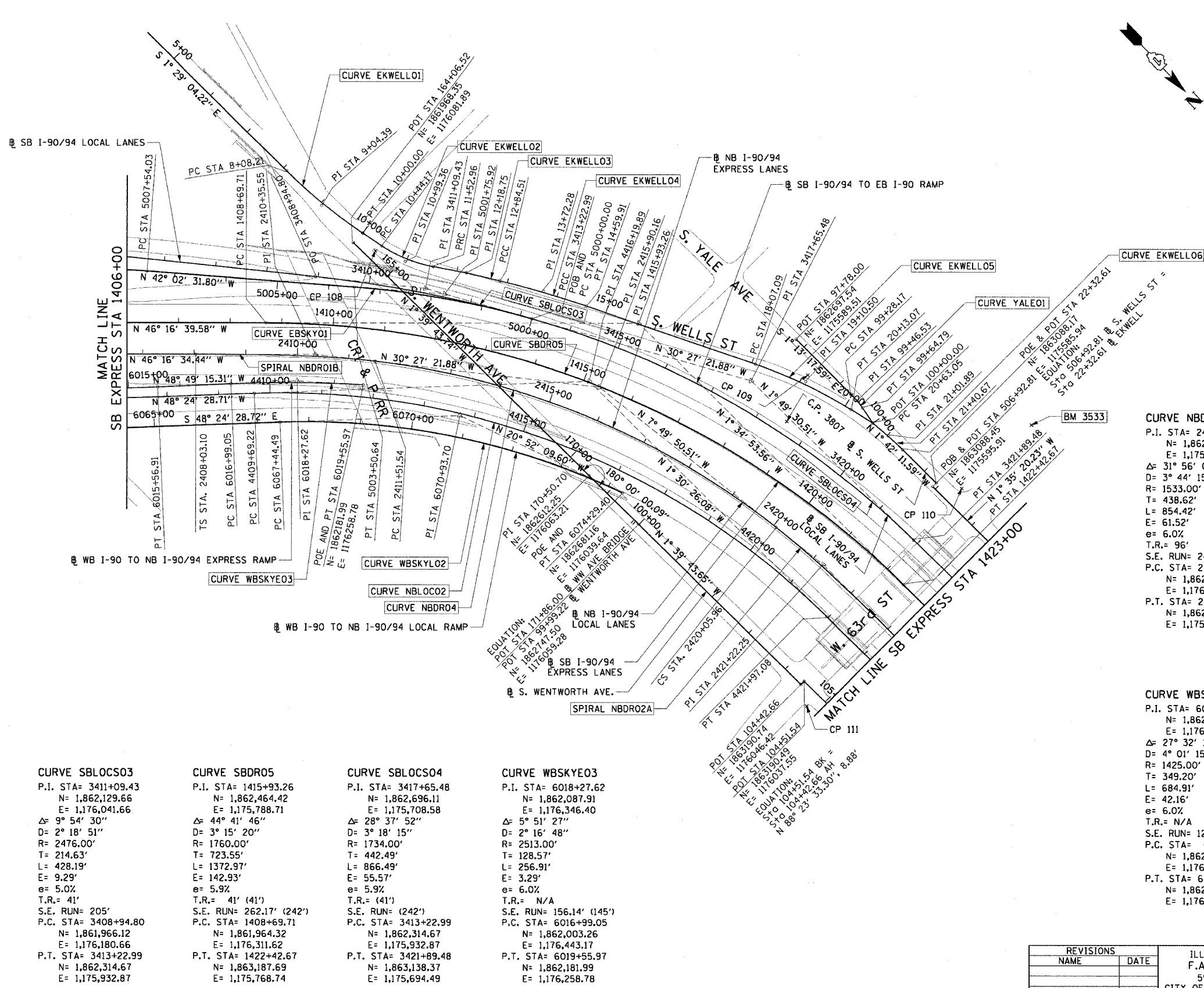
CURVE EKWELLO4
P.I. STA= 13+72.28
N= 1,862,291.83
E= 1,175,879.60
Δ= 5° 48' 38"
D= 3° 18' 45"
R= 1,729.58'
T= 87.77'
L= 175.40'
E= 2.22'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 12+84.51
N= 1,862,218.28
E= 1,175,927.50
P.T. STA= 14+59.61
N= 1,862,369.86
E= 1,175,839.39

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.= 41' (96')
S.E. RUN= 135'
P.C. STA= 5000+00.00
N= 1,862,314.67
E= 1,176,932.87
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= 1734.00'
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= 1,175,311.62
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= 5.9%
T.R.= (41')
S.E. RUN= (242')
P.C. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87
P.T. STA= 3421+89.48
N= 1,863,138.37
E= 1,175,694.49

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

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 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= 6.0%
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 WBSKYE02
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:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

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

ALIGNMENT PLAN

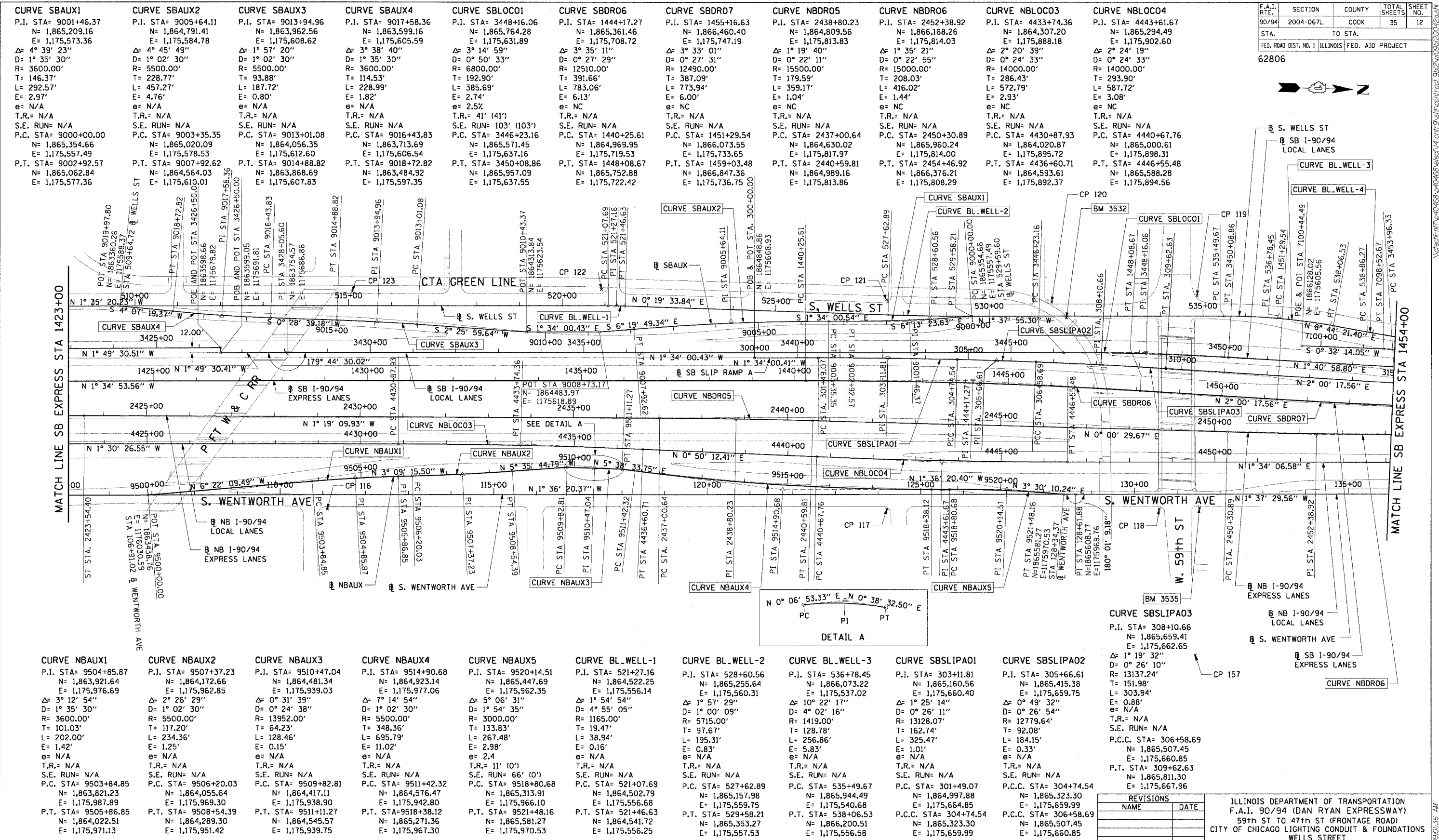
SCALE: 1"=100'
DATE: February 11, 2005

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



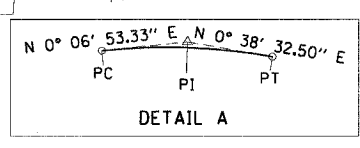
02/10/2005 08:01:35 AM

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



CURVE SBAUX1	CURVE SBAUX2	CURVE SBAUX3	CURVE SBAUX4	CURVE SBLOC01	CURVE SBDR06	CURVE SBDR07	CURVE NBDRO5	CURVE NBDRO6	CURVE NBLOC03	CURVE NBLOC04
P.I. STA= 9001+46.37 N= 1,865,209.16 E= 1,175,573.36 Δ= 4° 39' 23" D= 1° 35' 30" R= 3600.00' T= 146.37' L= 292.57' E= 2.97' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9000+00.00 N= 1,865,354.66 E= 1,175,557.49 P.T. STA= 9002+92.57 N= 1,865,062.84 E= 1,175,577.36	P.I. STA= 9005+64.11 N= 1,864,791.41 E= 1,175,584.78 Δ= 4° 45' 49" D= 1° 02' 30" R= 5500.00' T= 228.77' L= 457.27' E= 4.76' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9003+35.35 N= 1,865,020.09 E= 1,175,578.53 P.T. STA= 9007+92.62 N= 1,864,564.03 E= 1,175,610.01	P.I. STA= 9013+94.96 N= 1,863,962.56 E= 1,175,608.62 Δ= 1° 57' 20" D= 1° 02' 30" R= 5500.00' T= 93.88' L= 187.72' E= 0.80' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9013+01.08 N= 1,864,056.35 E= 1,175,612.60 P.T. STA= 9014+88.82 N= 1,863,868.69 E= 1,175,607.83	P.I. STA= 9017+58.36 N= 1,863,599.16 E= 1,175,605.59 Δ= 3° 38' 40" D= 1° 35' 30" R= 3600.00' T= 114.53' L= 228.99' E= 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= 2.74' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 1440+25.61 N= 1,864,969.95 E= 1,175,719.53 P.T. STA= 1448+08.67 N= 1,865,752.88 E= 1,175,722.42	P.I. STA= 1455+16.63 N= 1,866,460.40 E= 1,175,747.19 Δ= 3° 33' 01" D= 0° 27' 31" R= 12490.00' T= 387.09' L= 773.94' E= 6.00' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 1451+29.54 N= 1,866,073.55 E= 1,175,733.65 P.T. STA= 1459+03.48 N= 1,866,847.36 E= 1,175,736.75	P.I. STA= 2438+80.23 N= 1,864,809.56 E= 1,175,813.83 Δ= 1° 19' 40" D= 0° 22' 11" R= 15500.00' T= 179.59' L= 359.17' E= 6.00' 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= 1.04' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 2450+30.89 N= 1,865,960.24 E= 1,175,814.00 P.T. STA= 2454+46.92 N= 1,866,376.21 E= 1,175,808.29	P.I. STA= 4433+74.36 N= 1,864,307.20 E= 1,175,888.18 Δ= 2° 20' 39" D= 0° 24' 33" R= 14000.00' T= 286.43' L= 572.79' E= 2.93' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 4430+87.93 N= 1,864,020.87 E= 1,175,895.72 P.T. STA= 4436+60.71 N= 1,864,593.61 E= 1,175,892.37	P.I. STA= 4443+61.67 N= 1,865,294.49 E= 1,175,902.60 Δ= 2° 24' 19" D= 0° 24' 33" R= 14000.00' T= 293.90' L= 587.72' E= 3.08' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 4440+67.76 N= 1,865,000.61 E= 1,175,898.31 P.T. STA= 4446+55.48 N= 1,865,588.28 E= 1,175,894.56

CURVE NBAUX1	CURVE NBAUX2	CURVE NBAUX3	CURVE NBAUX4	CURVE NBAUX5	CURVE BL_WELL-1	CURVE BL_WELL-2	CURVE BL_WELL-3	CURVE SBSLIPA01	CURVE SBSLIPA02
P.I. STA= 9504+85.87 N= 1,863,921.64 E= 1,175,976.69 Δ= 3° 12' 54" D= 1° 02' 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= 11.02' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9511+42.32 N= 1,864,576.47 E= 1,175,942.80 P.T. STA= 9518+38.12 N= 1,865,271.36 E= 1,175,967.30	P.I. STA= 9520+14.51 N= 1,865,447.69 E= 1,175,962.35 Δ= 5° 06' 31" D= 1° 02' 30" R= 3000.00' T= 19.47' L= 267.48' E= 2.98' e= N/A T.R.= 11' (0') S.E. RUN= 66' (0') P.C. STA= 9518+80.68 N= 1,865,313.91 E= 1,175,966.10 P.T. STA= 9521+48.16 N= 1,865,581.27 E= 1,175,970.53	P.I. STA= 521+27.16 N= 1,864,522.25 E= 1,175,556.14 Δ= 1° 54' 54" D= 1° 02' 30" 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= 1,865,541.72 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= 1° 00' 09" R= 5715.00' T= 97.67' L= 195.31' E= 0.83' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 527+62.89 N= 1,865,157.98 E= 1,175,559.75 P.T. STA= 529+58.21 N= 1,865,353.27 E= 1,175,557.53	P.I. STA= 536+78.45 N= 1,866,073.22 E= 1,175,537.02 Δ= 10° 22' 17" D= 4° 02' 16" R= 1419.00' T= 128.78' 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= 1,175,664.85 P.T. STA= 538+06.53 N= 1,866,200.51 E= 1,175,556.58	P.I. STA= 303+11.81 N= 1,865,160.56 E= 1,175,660.40 Δ= 1° 25' 14" D= 0° 02' 16" R= 13128.07' T= 162.74' L= 325.47' E= 1.01' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 301+49.07 N= 1,864,997.88 E= 1,175,664.85 P.C.C. STA= 304+74.54 N= 1,865,323.30 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



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

REVISIONS	DATE

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

ALIGNMENT PLAN

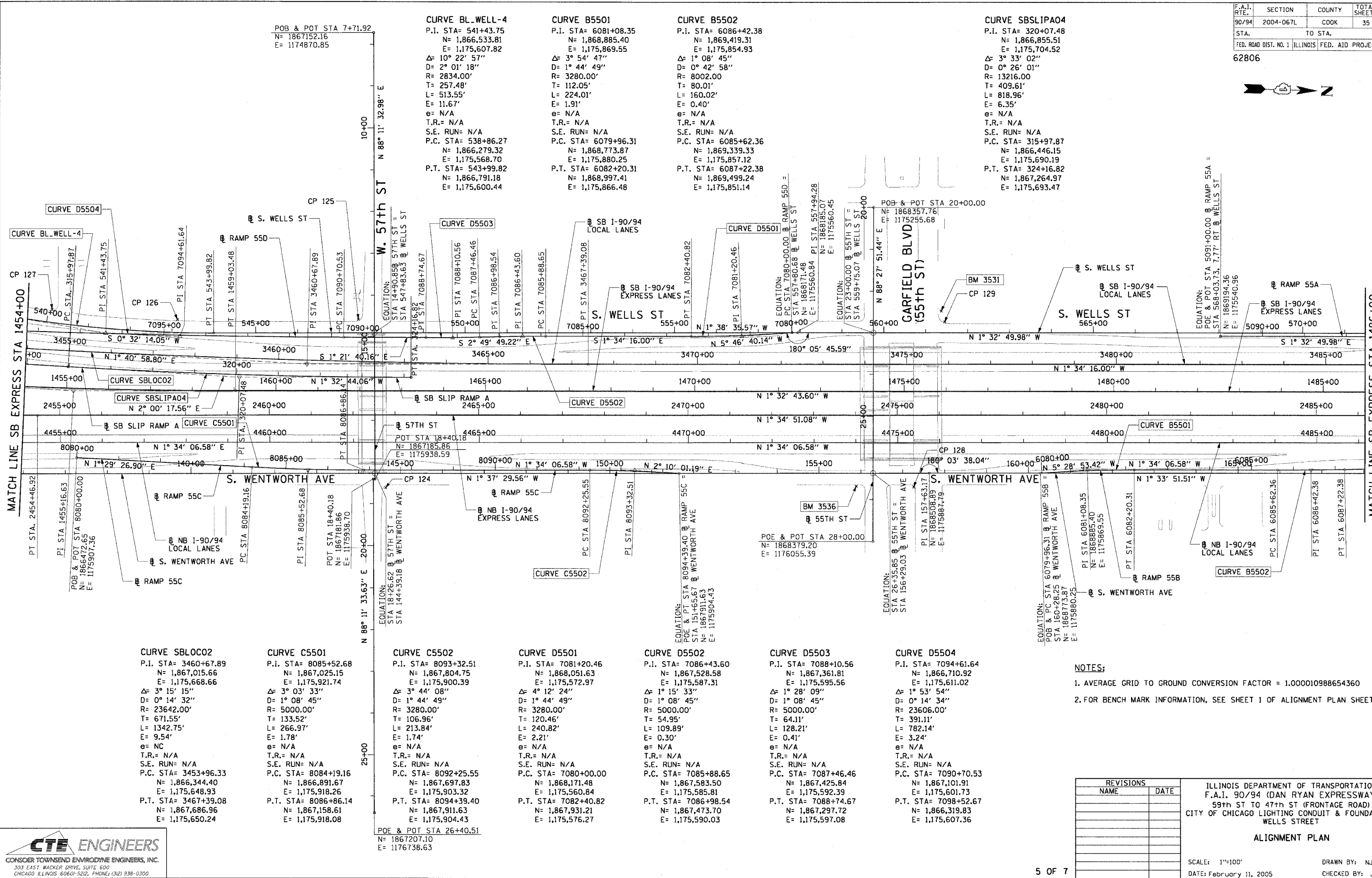
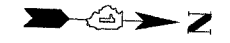
SCALE: 1"=100'
 DATE: February 11, 2005

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



I:\projects\90\94\90-94-067L\90-94-067L-12.dwg
 09/01/05 AM

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



CURVE	P.I. STA	N	E	Δ	D	R	T	L	E	θ	T.R.	S.E. RUN	P.C. STA	N	E	P.T. STA	N	E
CURVE BL.WELL-4	541+43.75	1,866,533.81	1,175,607.82	10° 22' 57"	2° 01' 18"	2834.00'	257.48'	513.55'	11.67'	N/A	N/A	N/A	538+86.27	1,866,279.32	1,175,568.70	543+99.82	1,866,791.18	1,175,600.44
CURVE B5501	6081+08.35	1,868,885.40	1,175,869.55	3° 54' 47"	1° 44' 49"	3280.00'	112.05'	224.01'	1.91'	N/A	N/A	N/A	6079+96.31	1,868,773.87	1,175,880.25	6082+20.31	1,868,997.41	1,175,866.48
CURVE B5502	6086+42.38	1,869,419.31	1,175,854.93	1° 08' 45"	0° 42' 58"	8002.00'	80.01'	160.02'	0.40'	N/A	N/A	N/A	6085+62.36	1,869,339.33	1,175,857.12	6087+22.38	1,869,499.24	1,175,851.14
CURVE SB SLIP A04	320+07.48	1,866,855.51	1,175,704.52	3° 33' 02"	0° 26' 01"	13216.00'	409.61'	1818.96'	6.35'	N/A	N/A	N/A	315+97.87	1,866,446.15	1,175,690.19	324+16.82	1,867,264.97	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'
 θ= 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'
 θ= 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'
 θ= 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'
 θ= 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+43.60
 N= 1,867,528.58
 E= 1,175,587.31
 Δ= 1° 15' 33"
 D= 1° 08' 45"
 R= 5000.00'
 T= 54.95'
 L= 109.89'
 E= 0.30'
 θ= 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'
 θ= 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'
 θ= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7090+70.53
 N= 1,867,101.91
 E= 1,175,601.73
 P.T. STA= 7098+52.67
 N= 1,866,319.83
 E= 1,175,607.36

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

REVISIONS	
NAME	DATE

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

ALIGNMENT PLAN

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

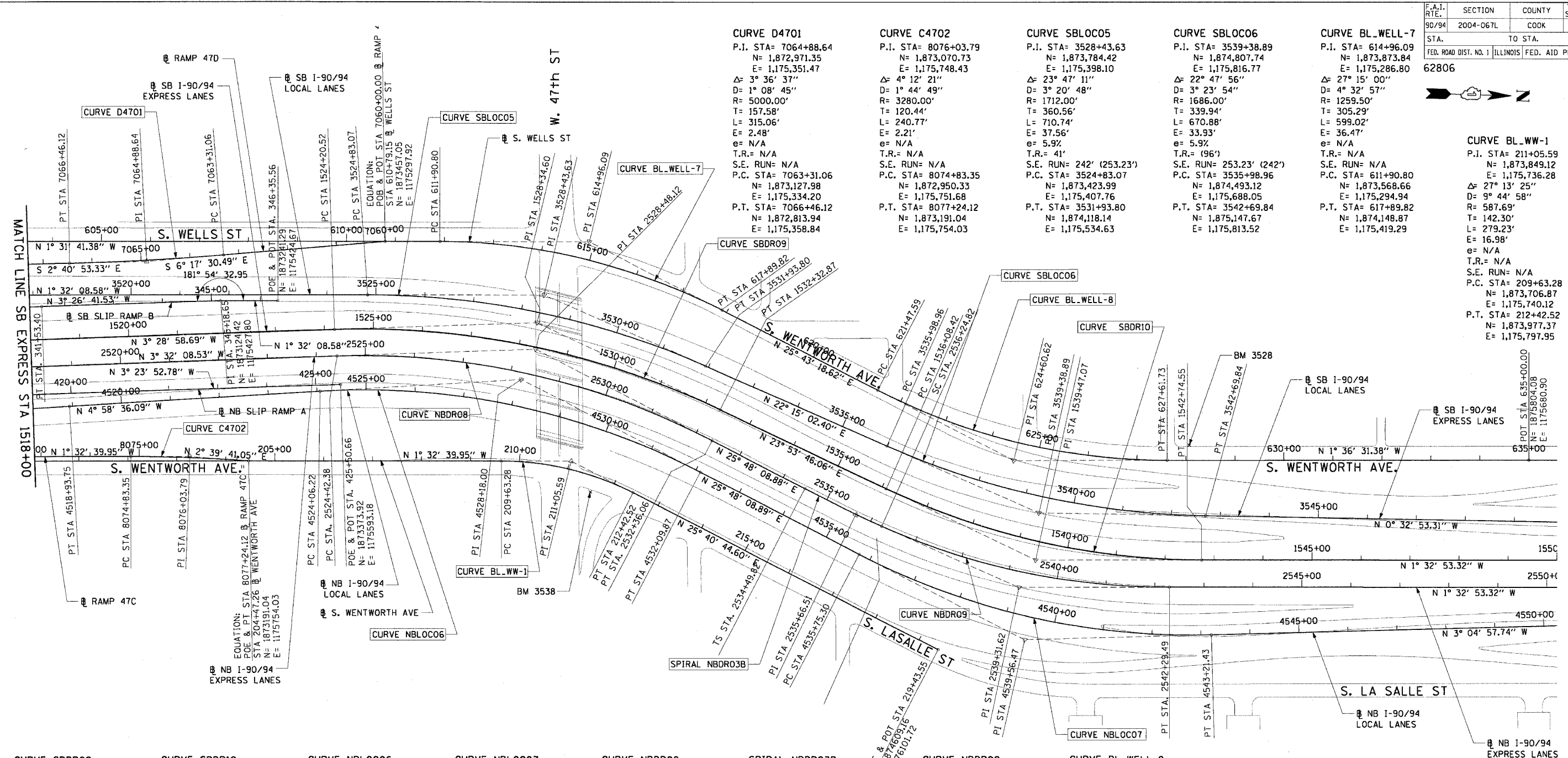
DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



I:\projects\117\117-040465\117-040465.dwg 11/11/05 11:37 AM

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

62806



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

CURVE C4702
 P.I. STA= 8076+03.79
 N= 1,873,070.73
 E= 1,175,748.43
 Δ= 4° 12' 21"
 D= 1° 44' 49"
 R= 3280.00'
 T= 120.44'
 L= 240.77'
 E= 2.21'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8074+83.35
 N= 1,872,950.33
 E= 1,175,751.68
 P.T. STA= 8077+24.12
 N= 1,873,191.04
 E= 1,175,754.03

CURVE SBLOC05
 P.I. STA= 3528+43.63
 N= 1,873,784.42
 E= 1,175,398.10
 Δ= 23° 47' 11"
 D= 3° 20' 48"
 R= 1712.00'
 T= 360.56'
 L= 710.74'
 E= 37.56'
 e= 5.9%
 T.R.= 41'
 S.E. RUN= 242' (253.23')
 P.C. STA= 3524+83.07
 N= 1,873,423.99
 E= 1,175,407.76
 P.T. STA= 3531+93.80
 N= 1,874,118.14
 E= 1,175,534.63

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

CURVE BL_WELL-7
 P.I. STA= 614+96.09
 N= 1,873,873.84
 E= 1,175,286.80
 Δ= 27° 15' 00"
 D= 4° 32' 57"
 R= 1259.50'
 T= 325.29'
 L= 599.02'
 E= 36.47'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 611+90.80
 N= 1,873,568.66
 E= 1,175,294.94
 P.T. STA= 617+89.82
 N= 1,874,148.87
 E= 1,175,419.29

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

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

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

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

CURVE NBLOC07
 P.I. STA= 4539+56.47
 N= 1,874,785.65
 E= 1,175,076.72
 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= (267.20') 246'
 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
 WELLS STREET

ALIGNMENT PLAN

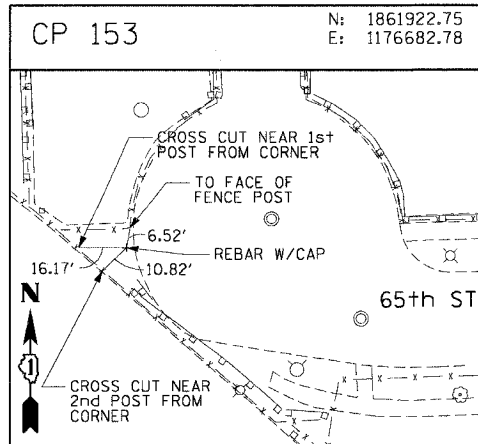
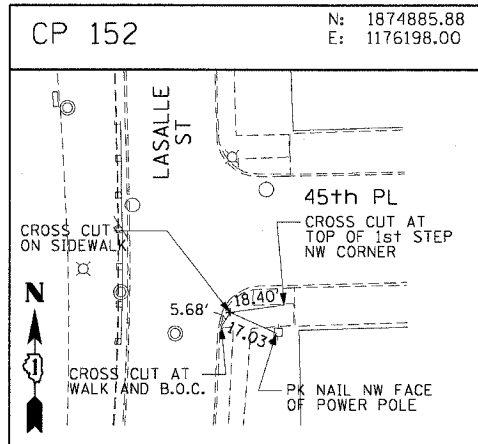
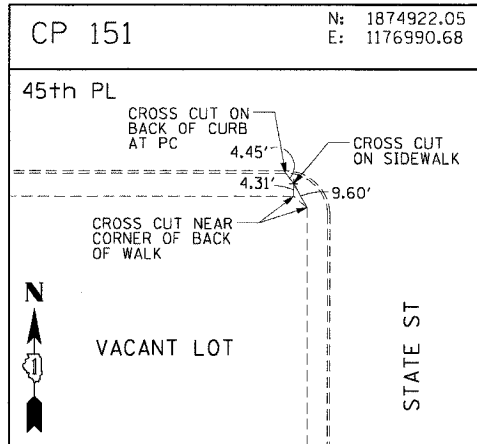
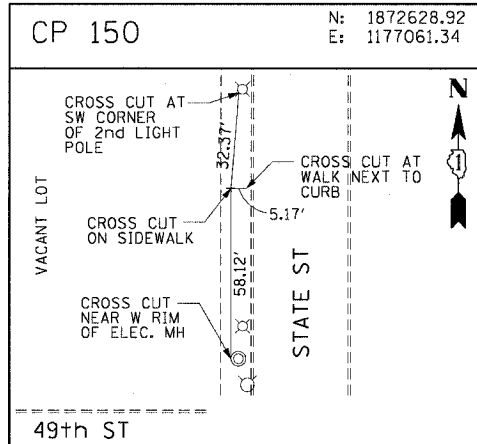
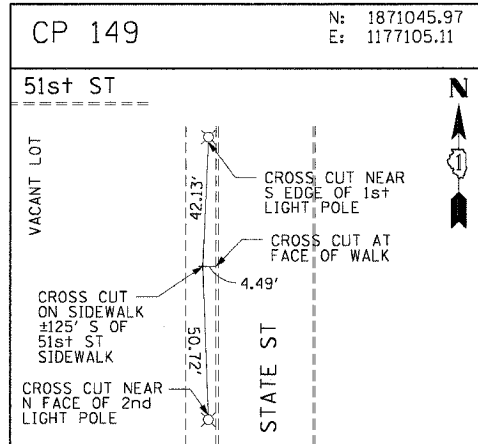
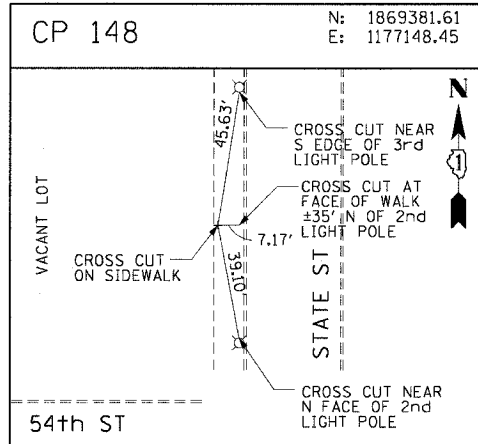
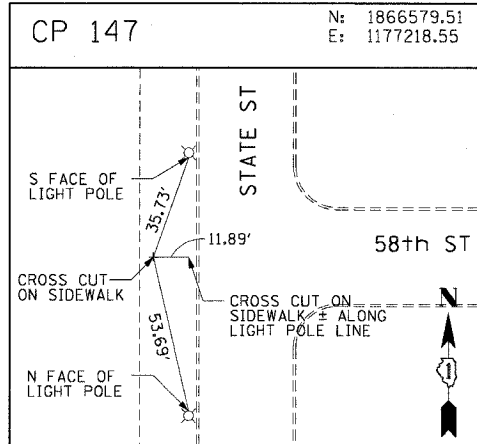
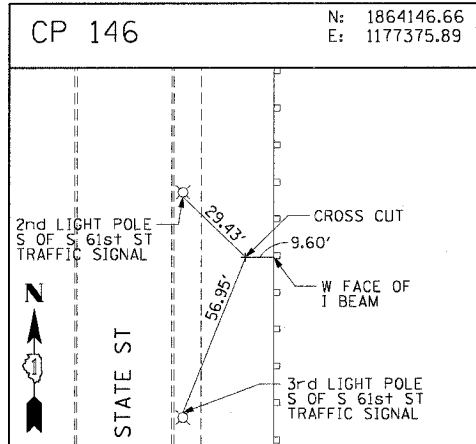
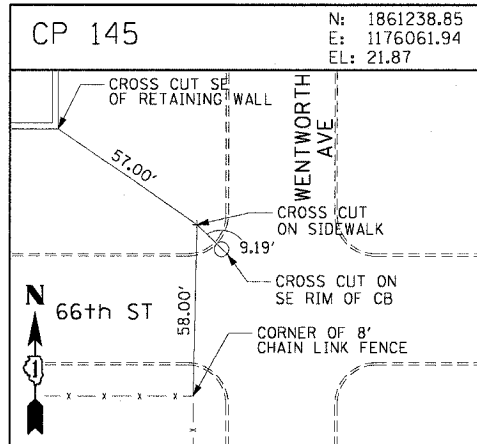
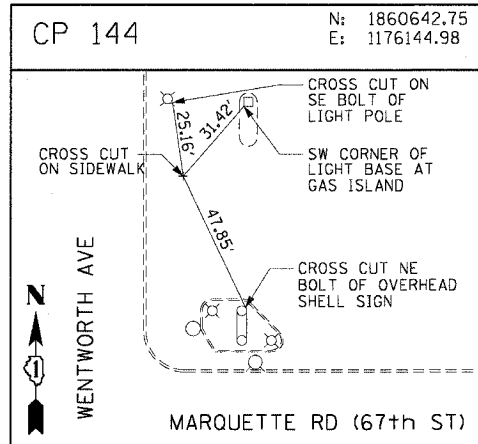
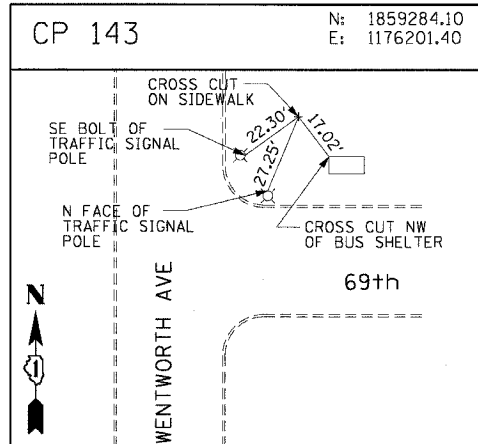
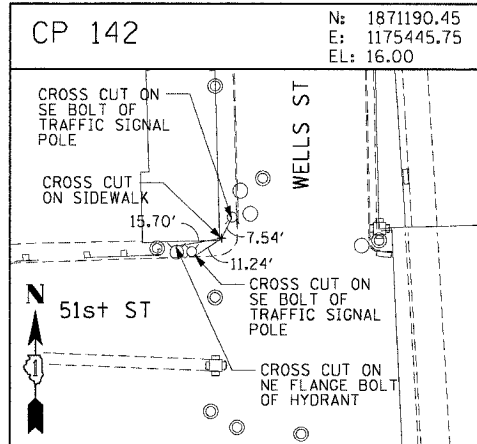
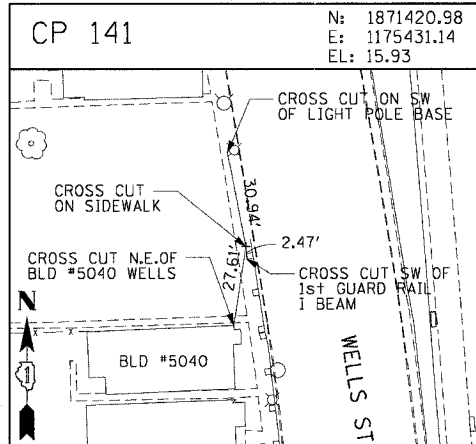
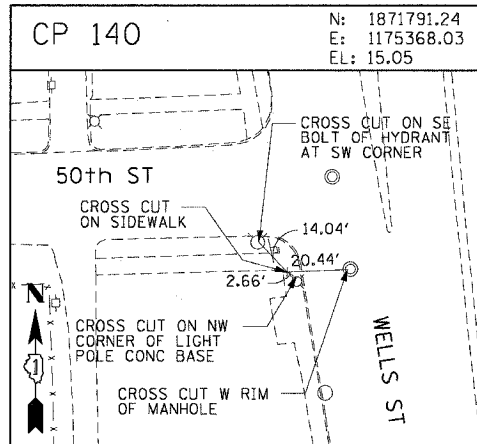
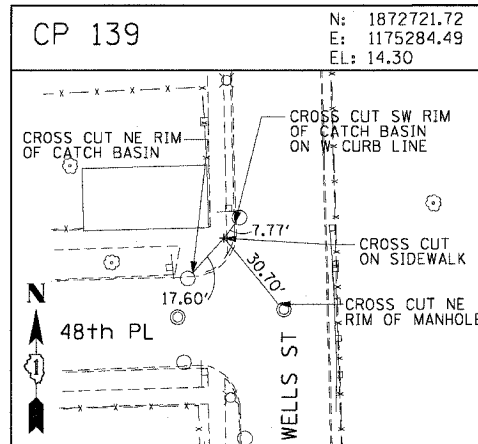
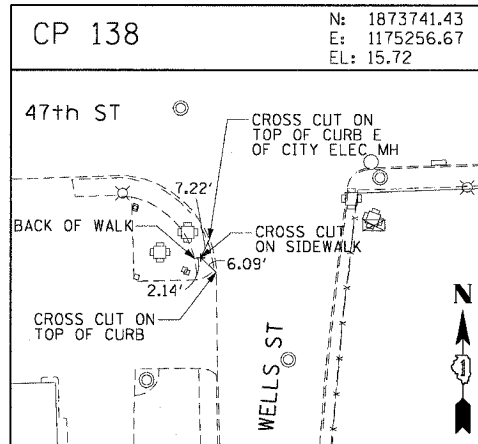
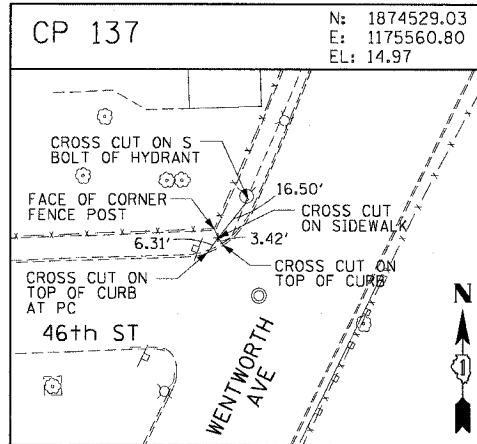
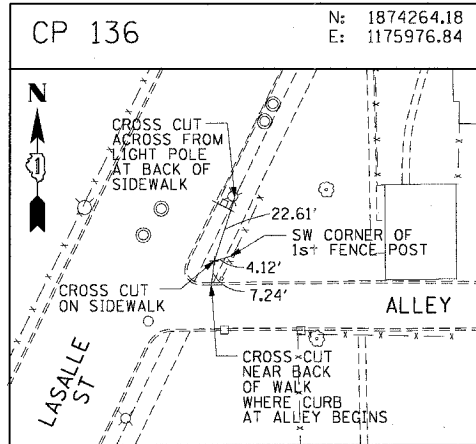
SCALE: 1"=100'
 DATE: February 11, 2005

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



I:\projects\11740469\11740469.dwg (11740469.dwg) 11/11/2005 09:01:38 AM

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



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

REVISIONS	
NAME	DATE

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

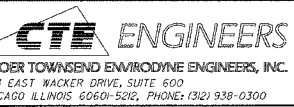
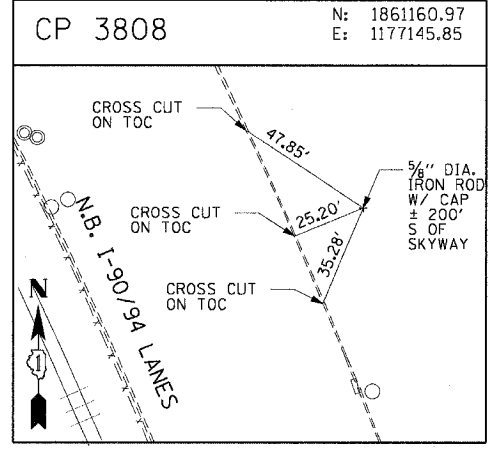
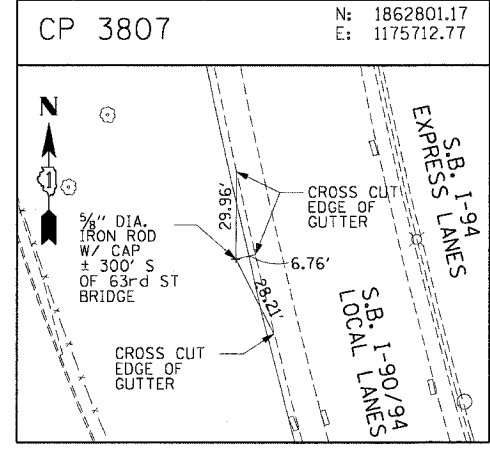
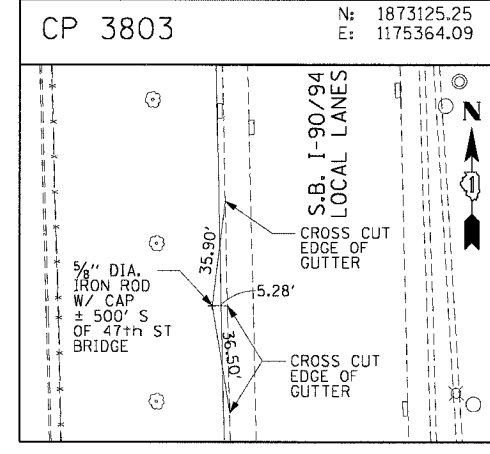
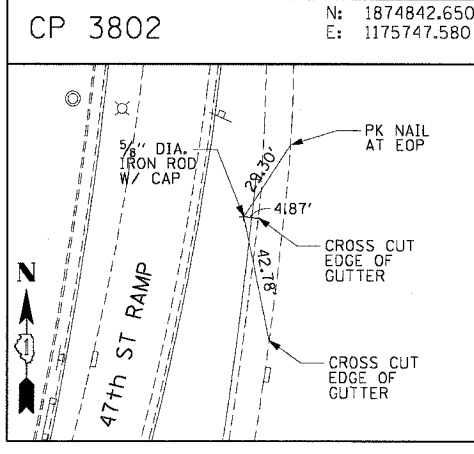
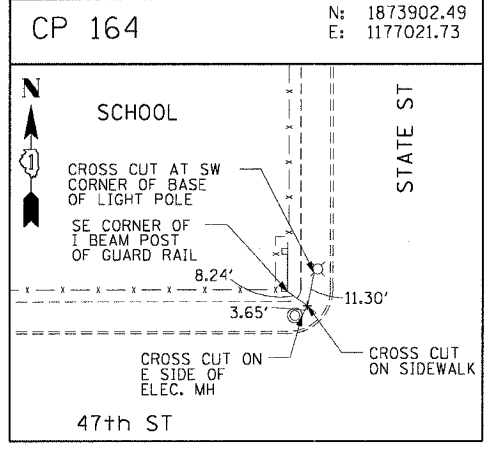
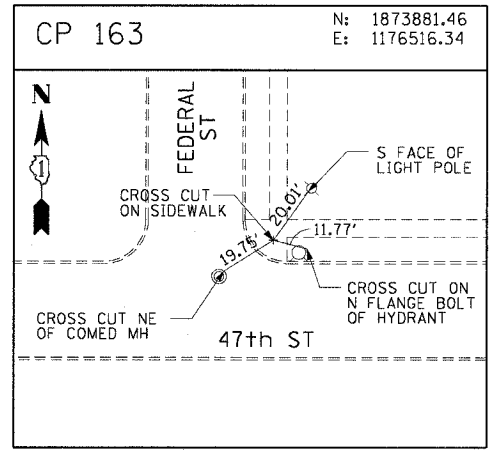
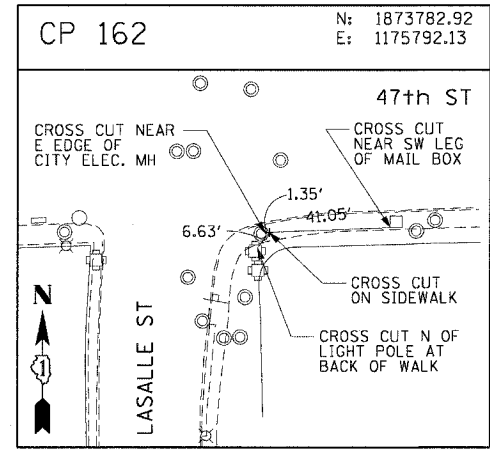
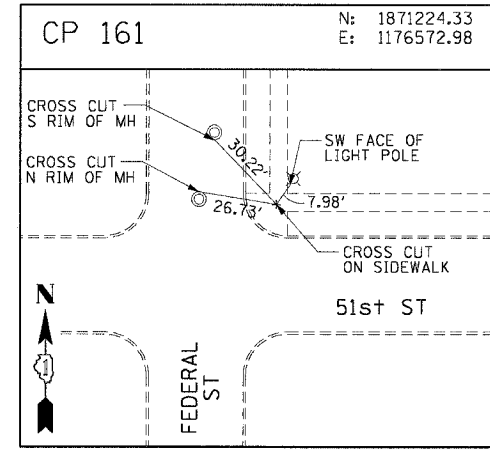
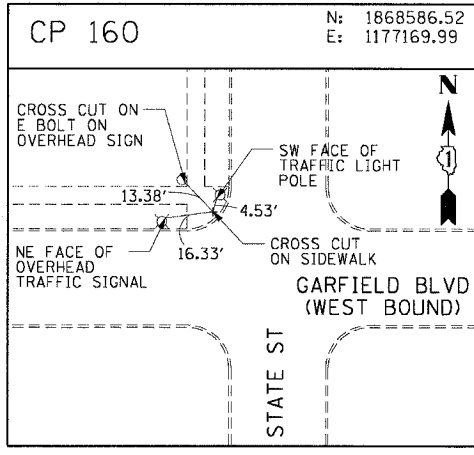
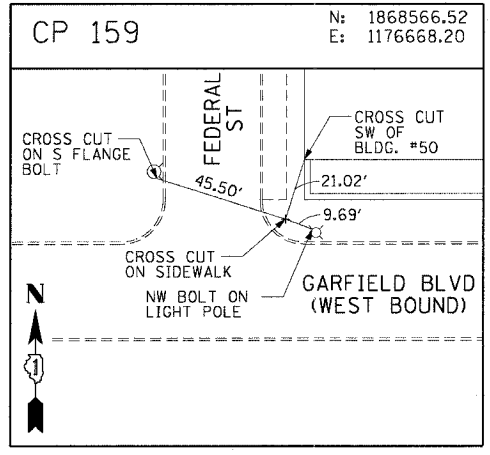
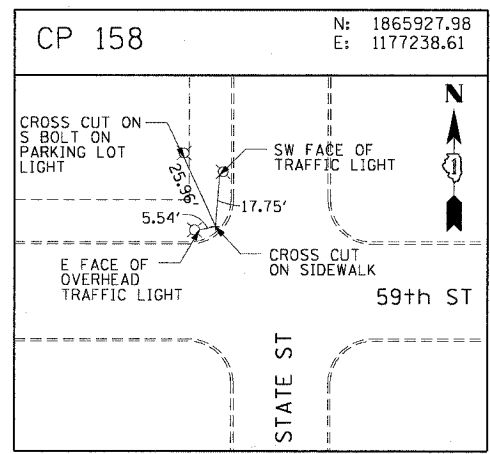
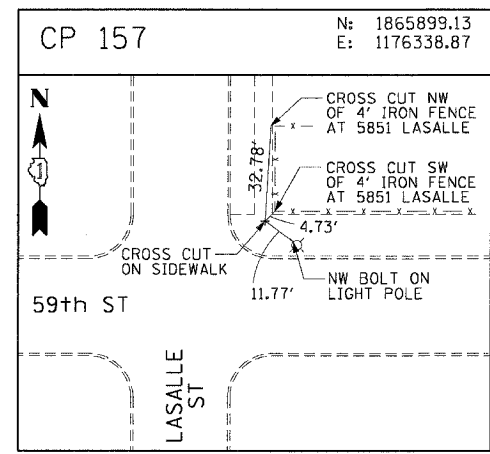
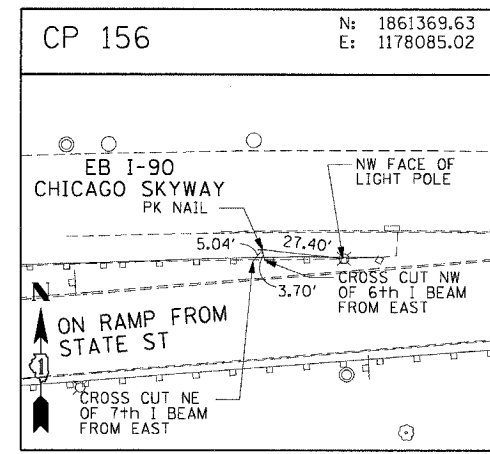
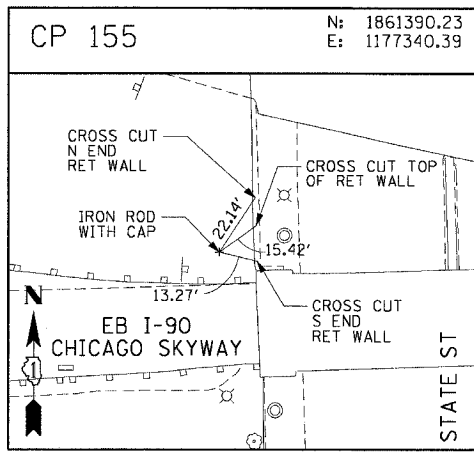
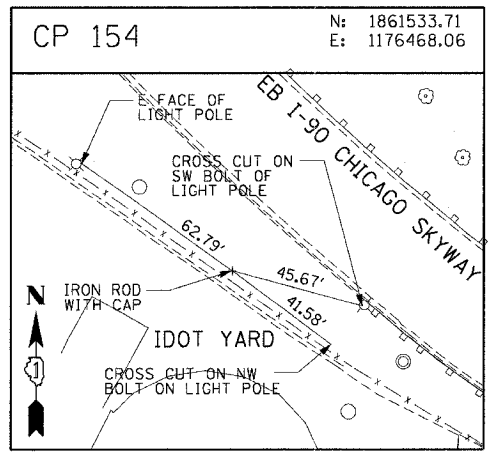
SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

V:\creech-nt\p40468\p40468elec\p40468-ctf\911\Contract\911\21\0911\2103\2103.dwg 09/01/05 09:40:40 AM

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



REVISIONS	
NAME	DATE

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

SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
 DATE: February 11, 2005
 DRAWN BY: MRK
 CHECKED BY: JAL

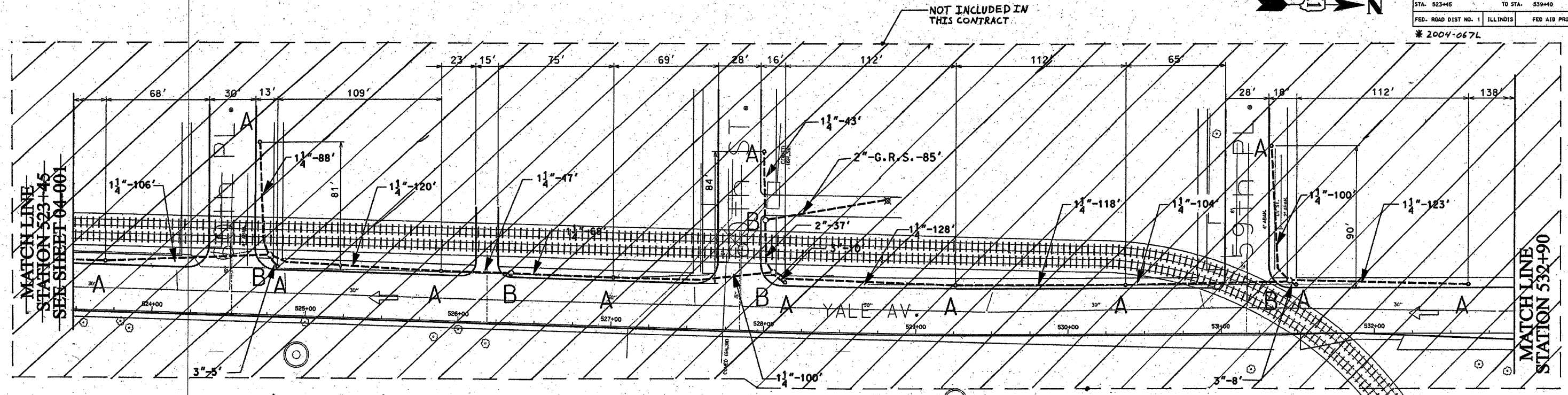
V:\creech\m\p\40468\40468.dwg (14-cm) 9/18/05 9:40 AM

62806

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



* 2004-067L

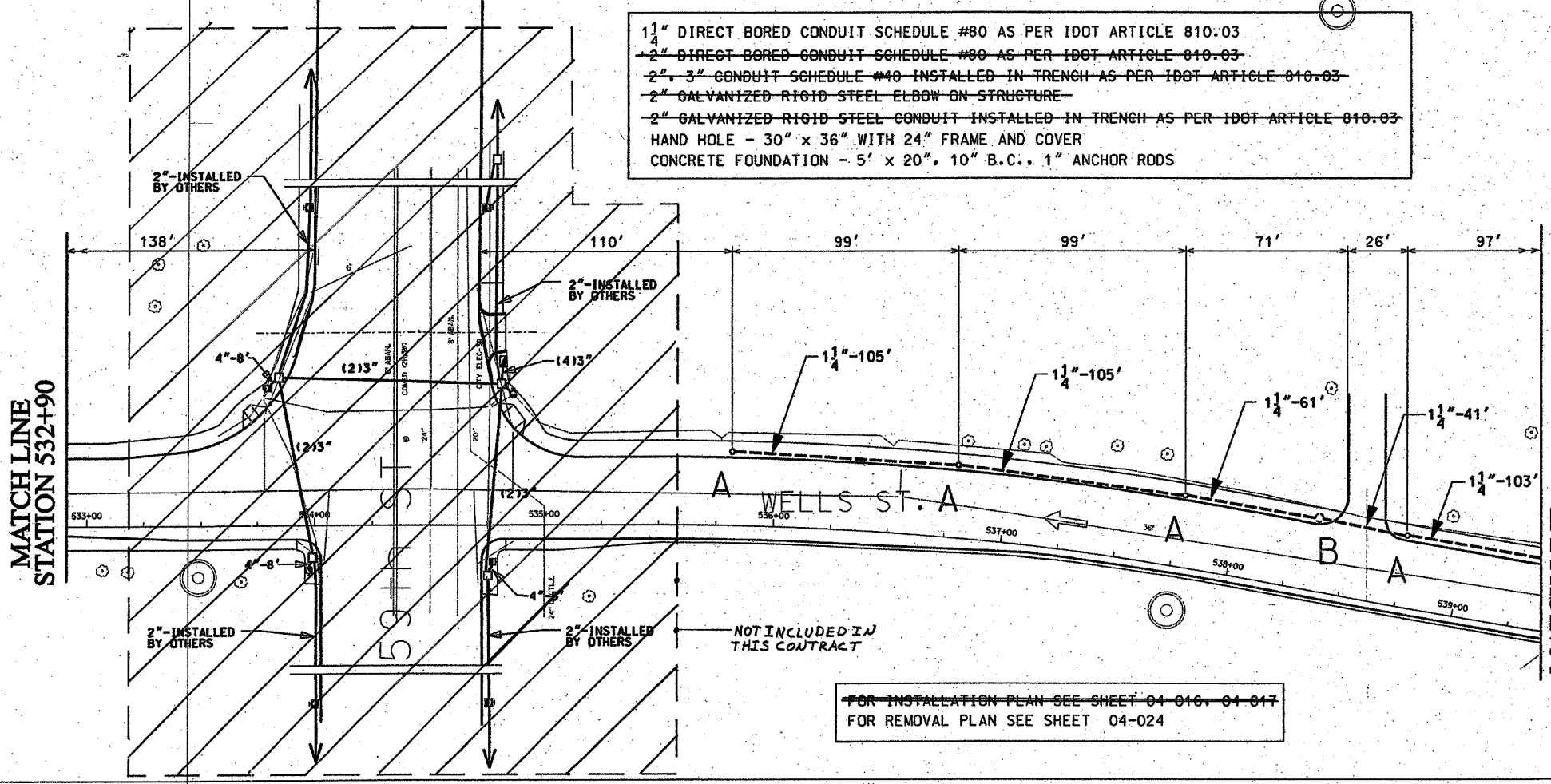


- 1 1/4" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2" DIRECT BORED CONDUIT SCHEDULE #80 AS PER IDOT ARTICLE 810.03
- 2", 3" CONDUIT SCHEDULE #40 INSTALLED IN TRENCH AS PER IDOT ARTICLE 810.03
- 2" GALVANIZED RIGID STEEL ELBOW ON STRUCTURE
- 2" GALVANIZED RIGID STEEL CONDUIT INSTALLED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

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

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

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



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

CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION		
BUREAU OF ELECTRICITY		
DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER B. GARNSEY
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		04-002
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: 1"=30'	DATE: 1/20/04

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

STREET LIGHTING
UNDERGROUND CONDUIT FACILITIES

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

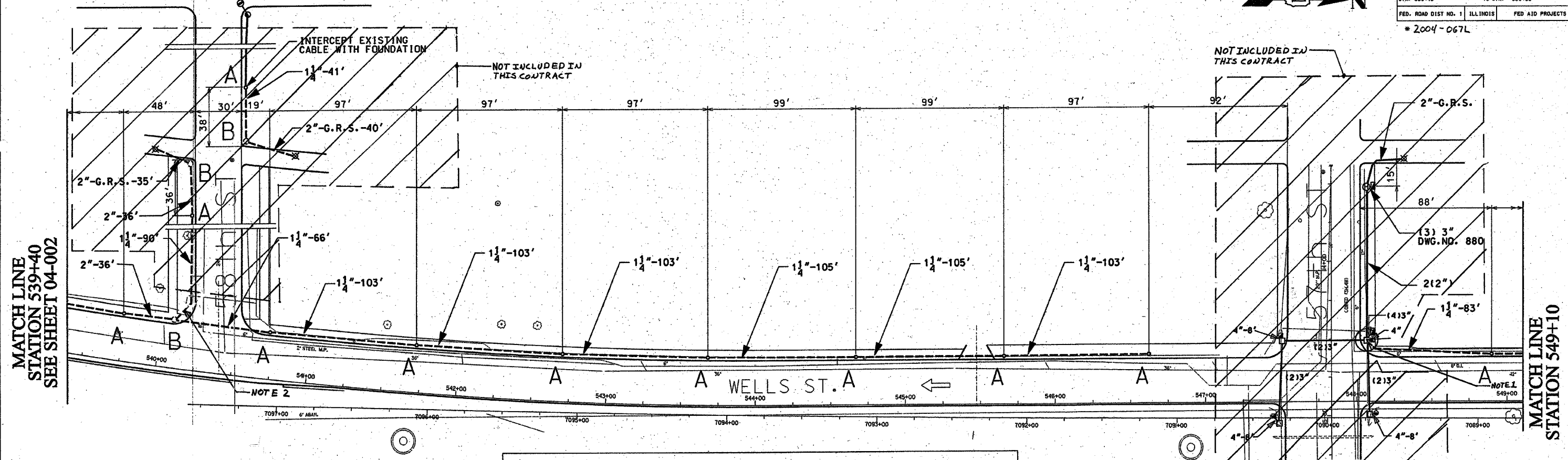
REVISIONS	
NAME	DATE

62806

F. A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	21
STA. 539+40		TO STA. 556+00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECTS	
* 2004-067L				



PRINCETON



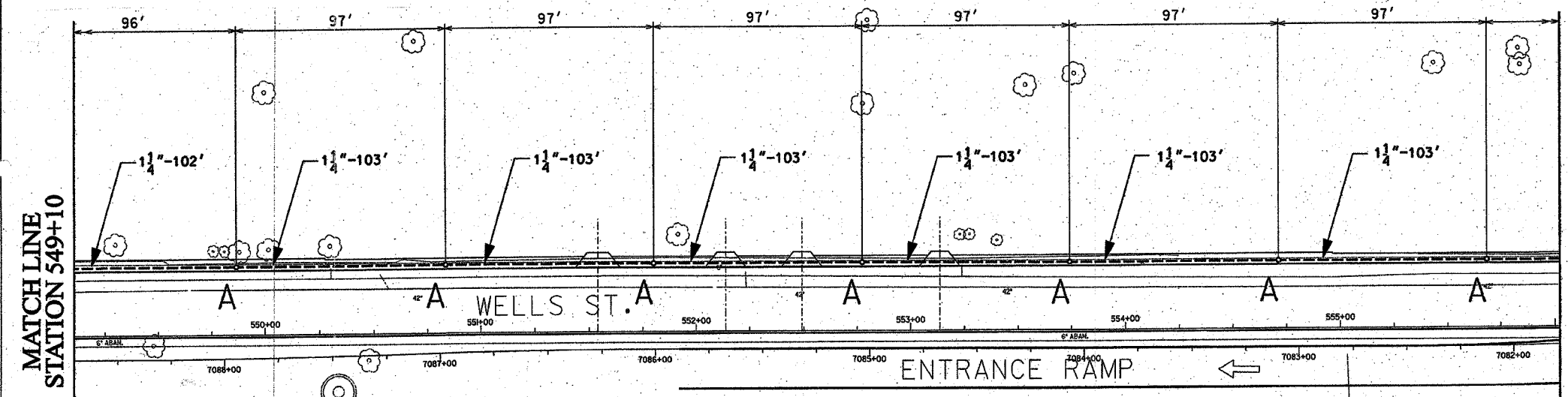
MATCH LINE
STATION 539+40
SEE SHEET 04-002

MATCH LINE
STATION 549+10

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

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

NOTES:
 1. ROUTE PROPOSED CONDUIT RUN TO THE EXISTING MANHOLE OR HANDHOLE AS SHOWN. DRILL THE EXISTING MANHOLE OR HANDHOLE AND INSTALL PROPOSED CONDUIT THROUGH THE MANHOLE OR HANDHOLE WALL. SEE DRAWING BOE-2 FOR DETAILS.
 2. PROVIDE A CONDUIT STUB AT 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 04-02586 AND 02795 FOR LIMITS OF SIDEWALK REPLACEMENT.



MATCH LINE
STATION 549+10

MATCH LINE
STATION 556+05
SEE SHEET 04-004

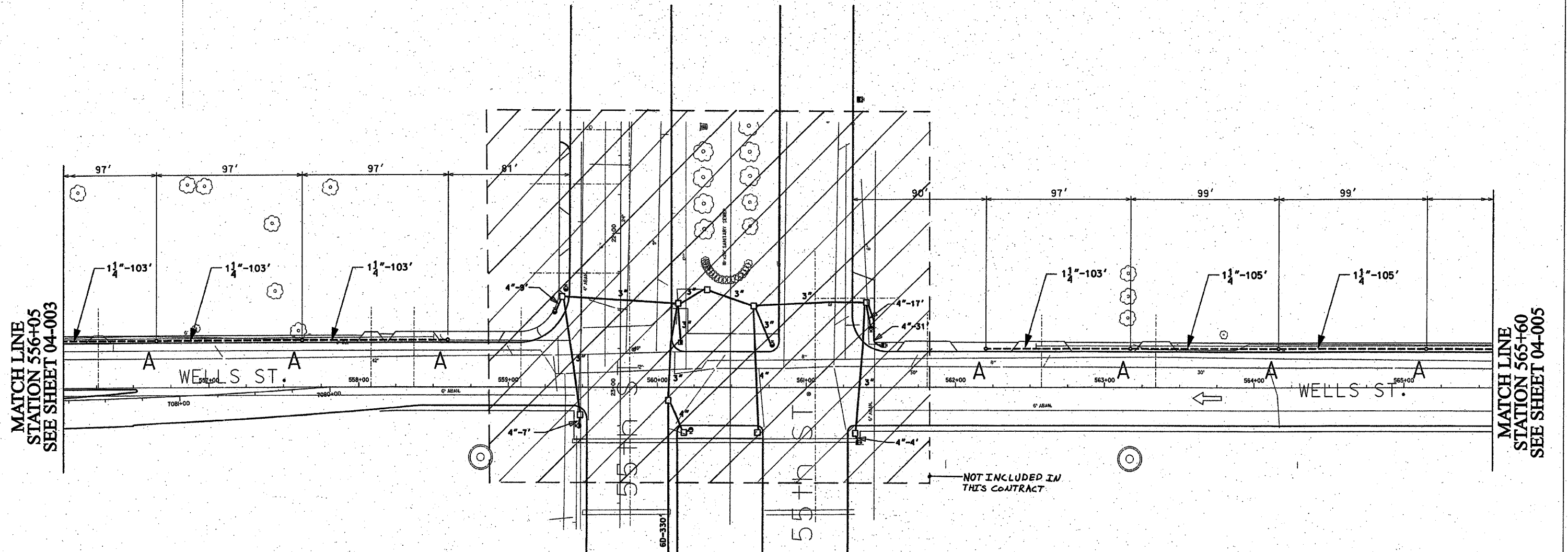
FOR INSTALLATION PLAN SEE SHEET 04-017
 FOR REMOVAL PLAN SEE SHEETS 04-024, 04-025

CITY OF CHICAGO			
DEPT. OF STREETS AND SANITATION			
BUREAU OF ELECTRICITY			
DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER	
B. GARNSEY	ROBERT CARTER	B. GARNSEY	
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.		
ENGINEER OF ELECTRICITY:			DWG. NO.
GEN'L SUPT. OF ELECTRICITY:			04-003
DEPUTY COMMISSIONER:			
SIZE: 22"	36"	SCALE: 1"=30'	DATE: 1/20/04
ILLINOIS DEPARTMENT OF TRANSPORTATION			
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)			
57th St. TO 47th St. (FRONTAGE ROADS)			
STREET LIGHTING UNDERGROUND CONDUIT FACILITIES			
SCALE: 1" = 30'		DRAWN BY: B.T.G.	
DATE: February 11, 2005		CHECKED BY: O.L.	

62806



F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	#	COOK	35	22
STA. 556+00		TO STA. 565+00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED AID PROJECTS
* 2004-067L				



MATCH LINE
STATION 556+05
SEE SHEET 04-003

MATCH LINE
STATION 565+60
SEE SHEET 04-005

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

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

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

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

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

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

DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER B. GARNSEY
SUPERVISING ENGINEER ELEC. DESIGN ENGR.		DWG. NO. 04-004
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'		DRAWN BY: B.T.G.
DATE: February 11, 2005		CHECKED BY: O.L.

REVISIONS	
NAME	DATE

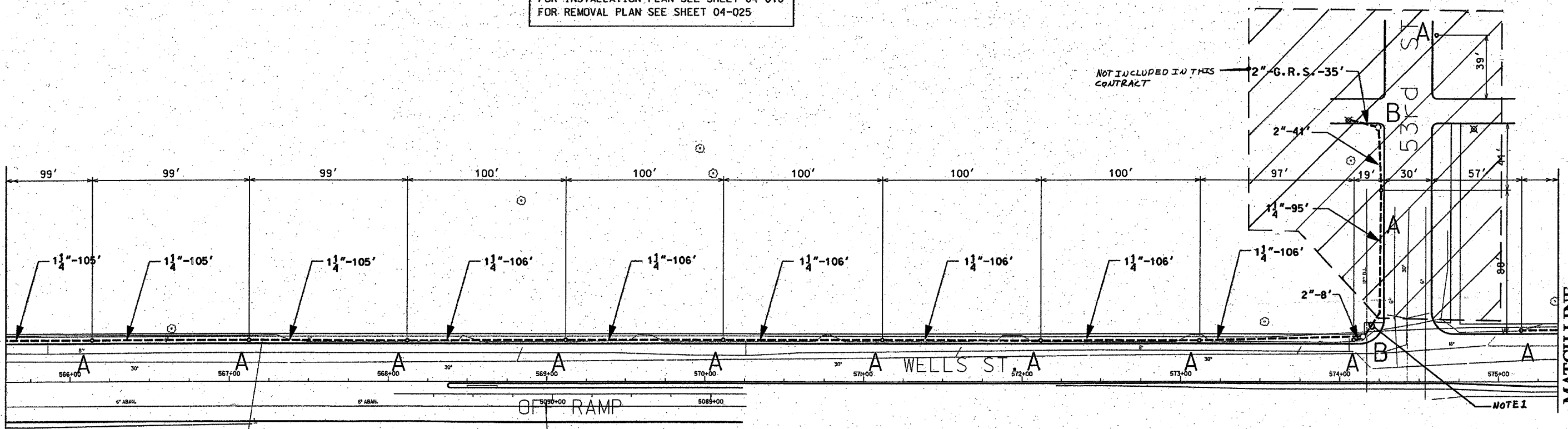
62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	23
STA. 565+60		TO STA. 581+95.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECTS	
* 2004-067L				



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

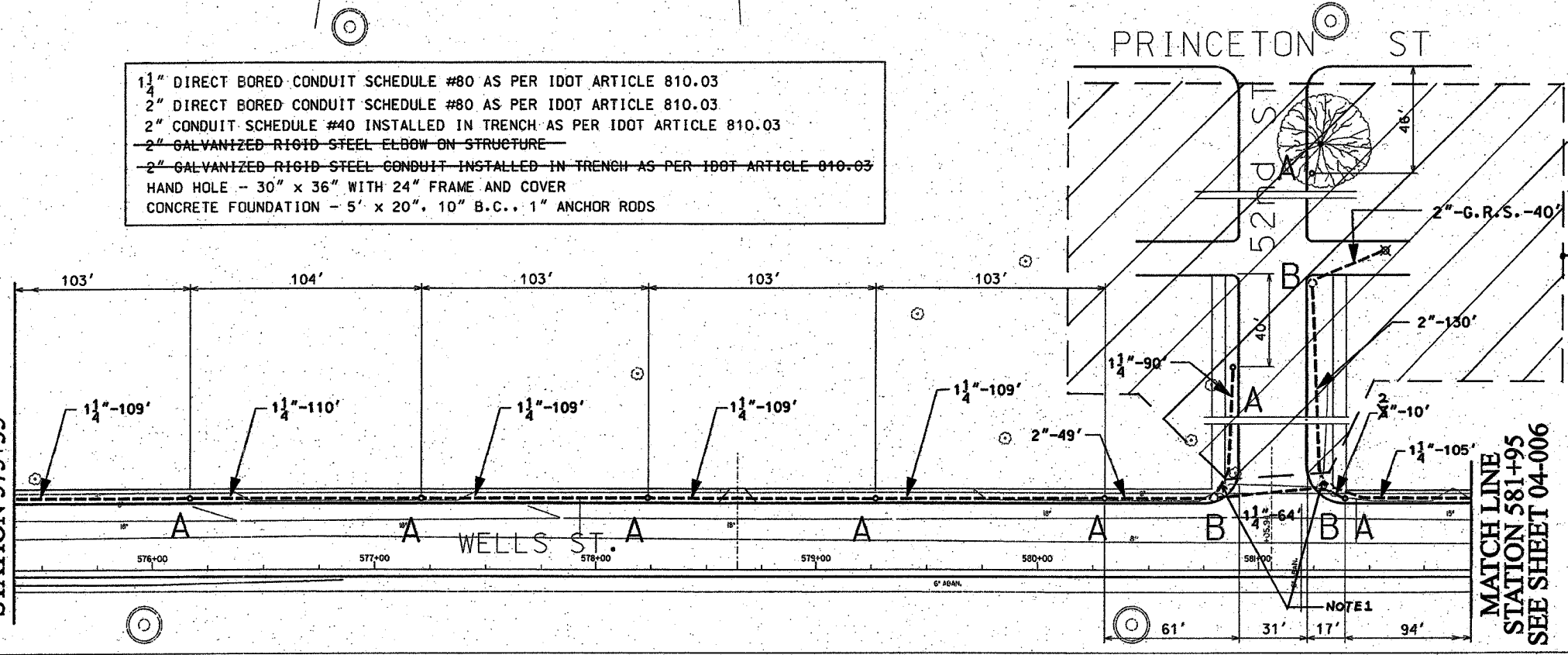
MATCH LINE
STATION 565+60
SEE SHEET 04-004



MATCH LINE
STATION 575+35

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

MATCH LINE
STATION 575+35



MATCH LINE
STATION 581+95
SEE SHEET 04-006

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

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

REVISIONS	
NAME	DATE

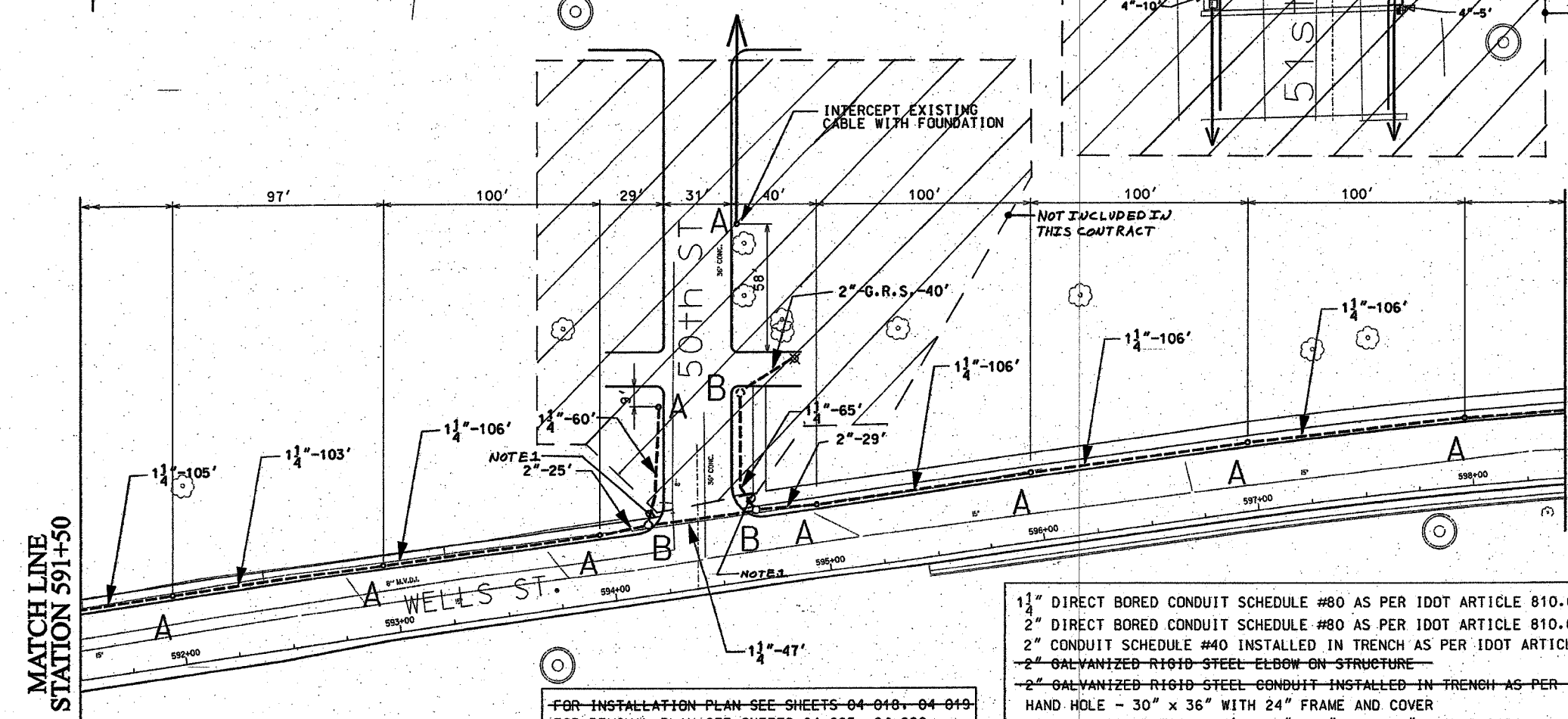
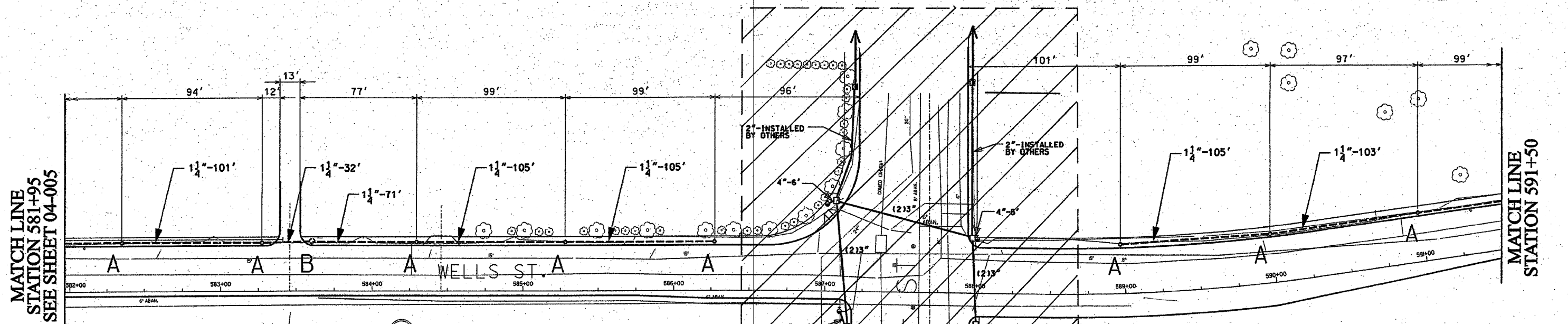
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

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

62806



F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	24
STA. 581+95	TO STA. 598+40			
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-067L				



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

NOTES:
 1. PROVIDE A CONDUIT STUB AT HANDHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE. SEE IDOT CONTRACT NOS. 6254 AND 62795 FOR LIMITS OF SIDEWALK REPLACEMENT.

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

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

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

DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: B. GARNSEY
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 04-006
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		
SCALE: 1" = 30'		DRAWN BY: B.T.G.
DATE: February 11, 2005		CHECKED BY: O.L.

REVISIONS	
NAME	DATE

MATCH LINE
 STATION 581+95
 SEE SHEET 04-005

MATCH LINE
 STATION 591+50

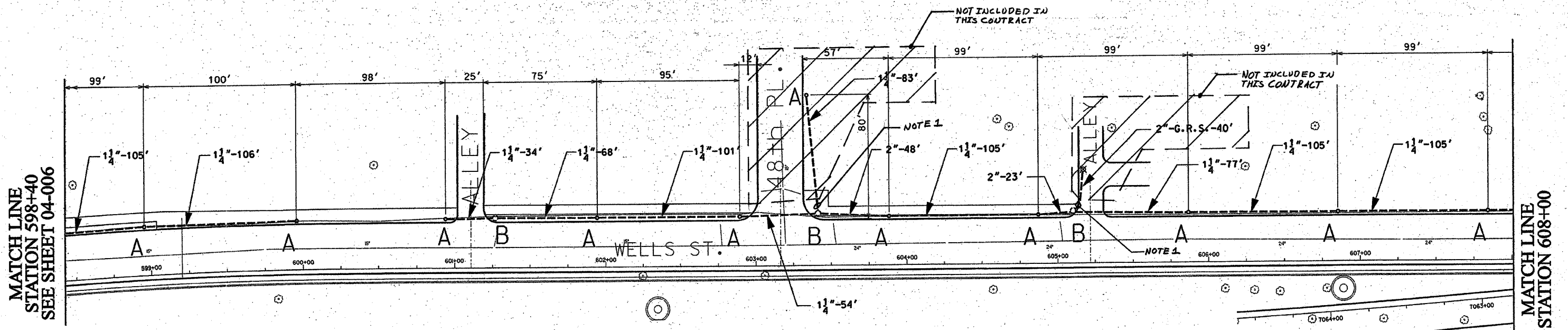
MATCH LINE
 STATION 591+50

MATCH LINE
 STATION 598+40
 SEE SHEET 04-007

62806



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



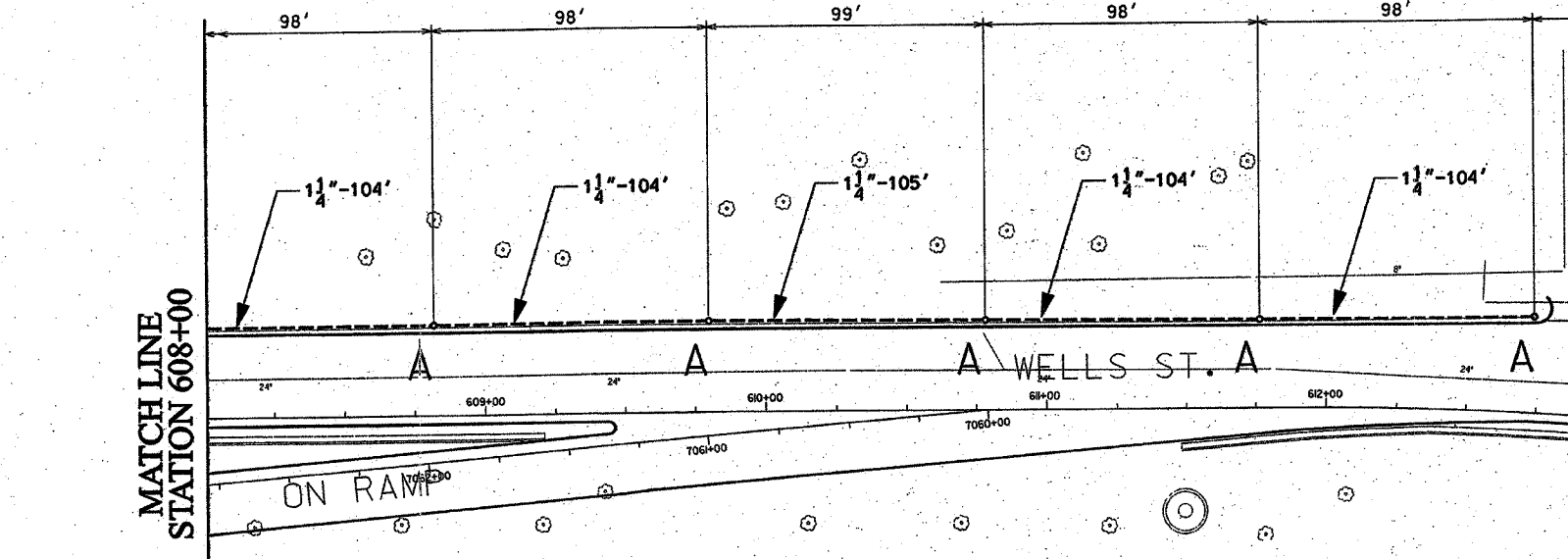
MATCH LINE
STATION 598+40
SEE SHEET 04-006

MATCH LINE
STATION 608+00

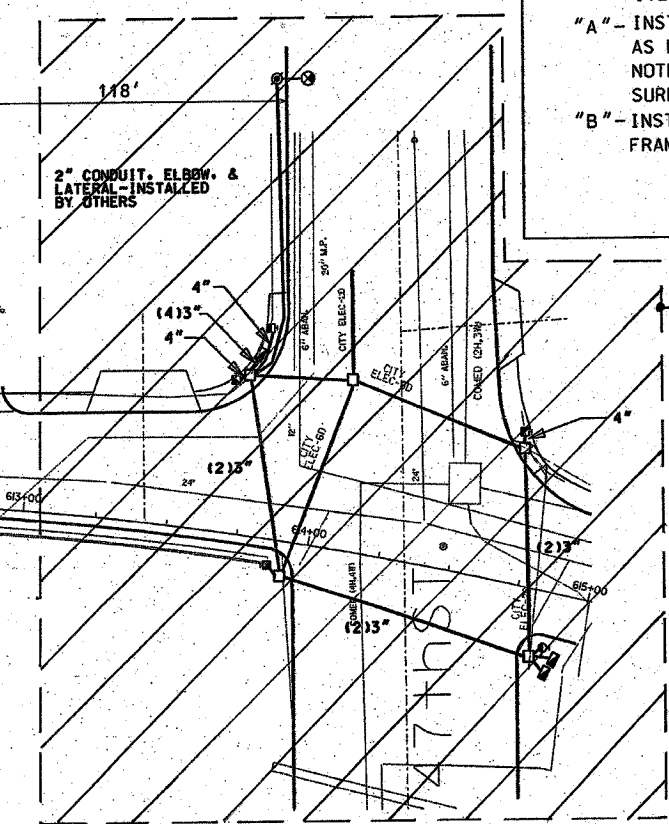
NOTES:
1. PROVIDE A CONDUIT STUB AT HANDHOLE EXTENDING TO ONE FOOT PAST THE LIMITS OF SIDEWALK REPLACEMENT. PROVIDE A CONDUIT CAP FOR THE CONDUIT STUB. THE CONDUIT CAP WILL BE INCLUDED IN THE UNIT PRICE FOR THE CONDUIT OF SPECIFIED TYPE AND DIAMETER. NO SEPARATE PAYMENT WILL BE MADE. SEE IDOT CONTRACT NOS. 62586 AND 62195 FOR LIMITS OF SIDEWALK REPLACEMENT.

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

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



MATCH LINE
STATION 608+00



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

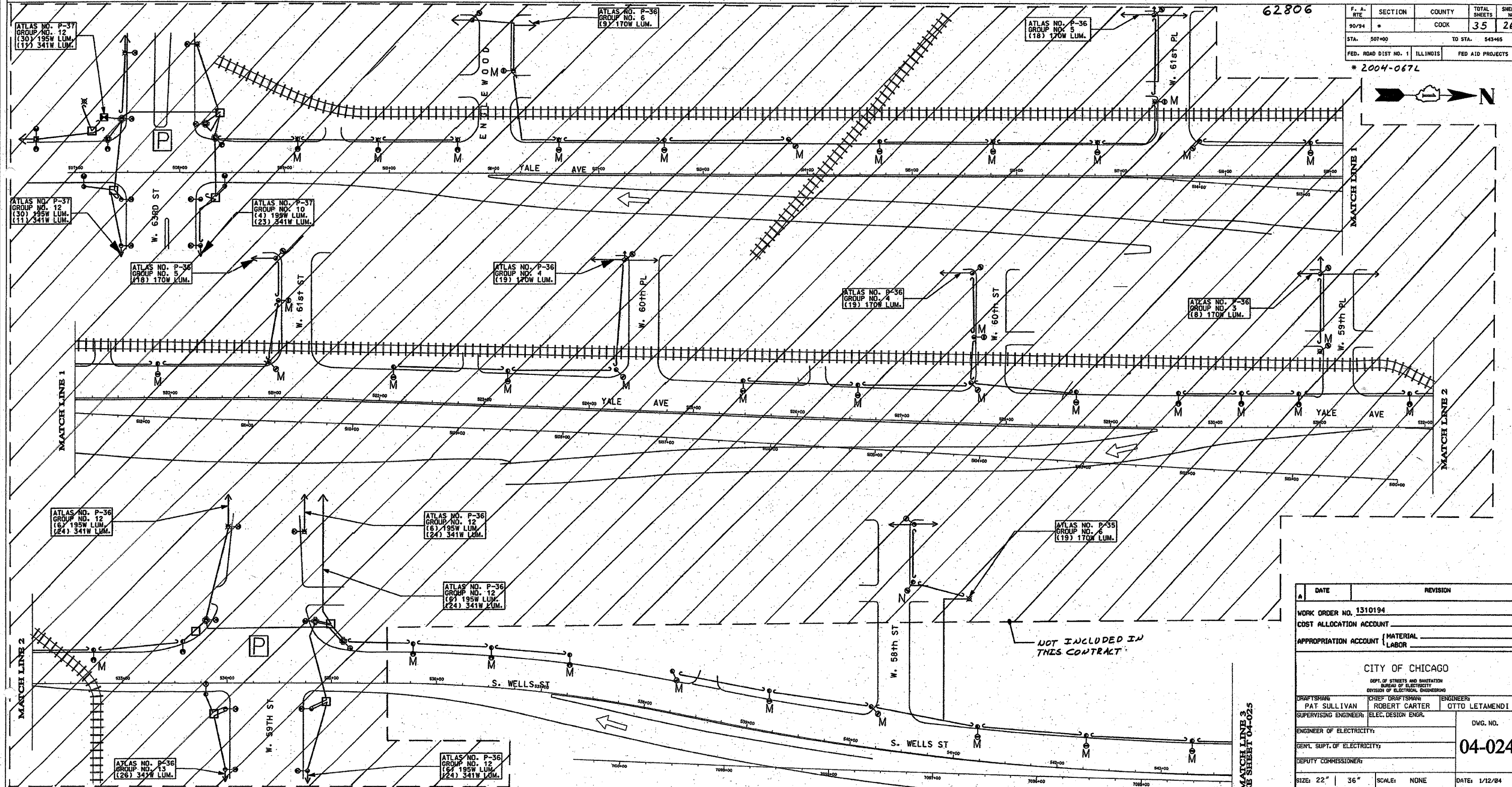
NOT INCLUDED IN THIS CONTRACT

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN B. GARNSEY	CHIEF DRAFTSMAN ROBERT CARTER	ENGINEER B. GARNSEY
SUPERVISING ENGINEER ELEC. DESIGN ENGR.		DWG. NO. 04-007
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'		DRAWN BY: B.T.G.
DATE: February 11, 2005		CHECKED BY: O.L.

REVISIONS	
NAME	DATE

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	35	26
STA. 507+00	TO STA. 543+65			
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		
* 2004-067L				



NOTES:

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

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

NOT INCLUDED IN THIS CONTRACT

MATCH LINE 3 SEE SHEET 04-025

A	DATE	REVISION
WORK ORDER NO. 1310194		
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT (MATERIAL LABOR)		
CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER
PAT SULLIVAN	ROBERT CARTER	OTTO LETAMENDI
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		DWG. NO.
GENL. SUPT. OF ELECTRICITY:		04-024
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

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
*		COOK	35	27
STA. 543+65		TO STA. 583+15		
FED. ROAD DIST. NO. 1		ILLINOIS		FED AID PROJECTS

* 2004-067L



MATCH LINE 3
SEE SHEET 04-024

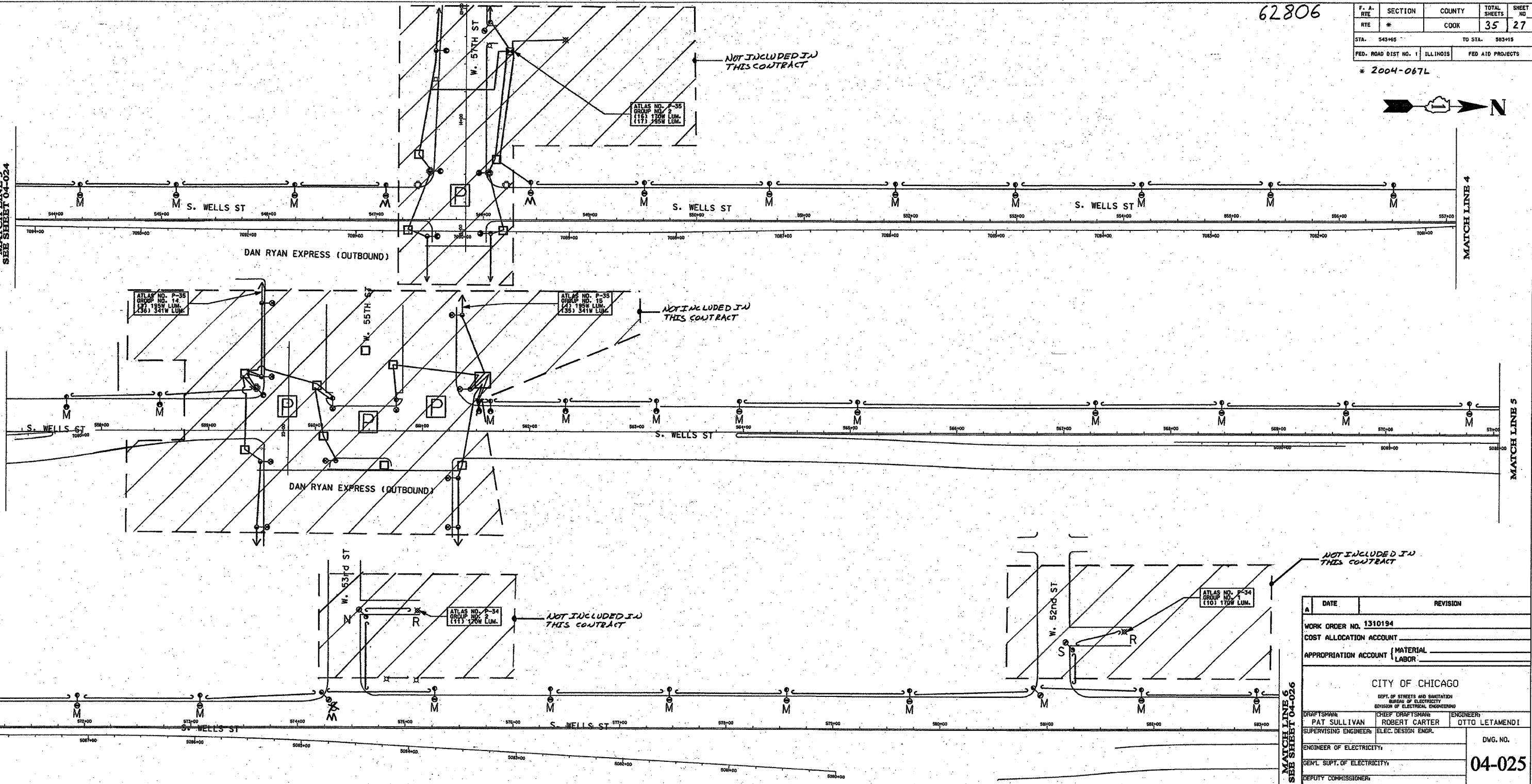
MATCH LINE 4

MATCH LINE 4

MATCH LINE 5

MATCH LINE 5
SEE SHEET 04-026

MATCH LINE 6
SEE SHEET 04-026



NOTES:

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

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

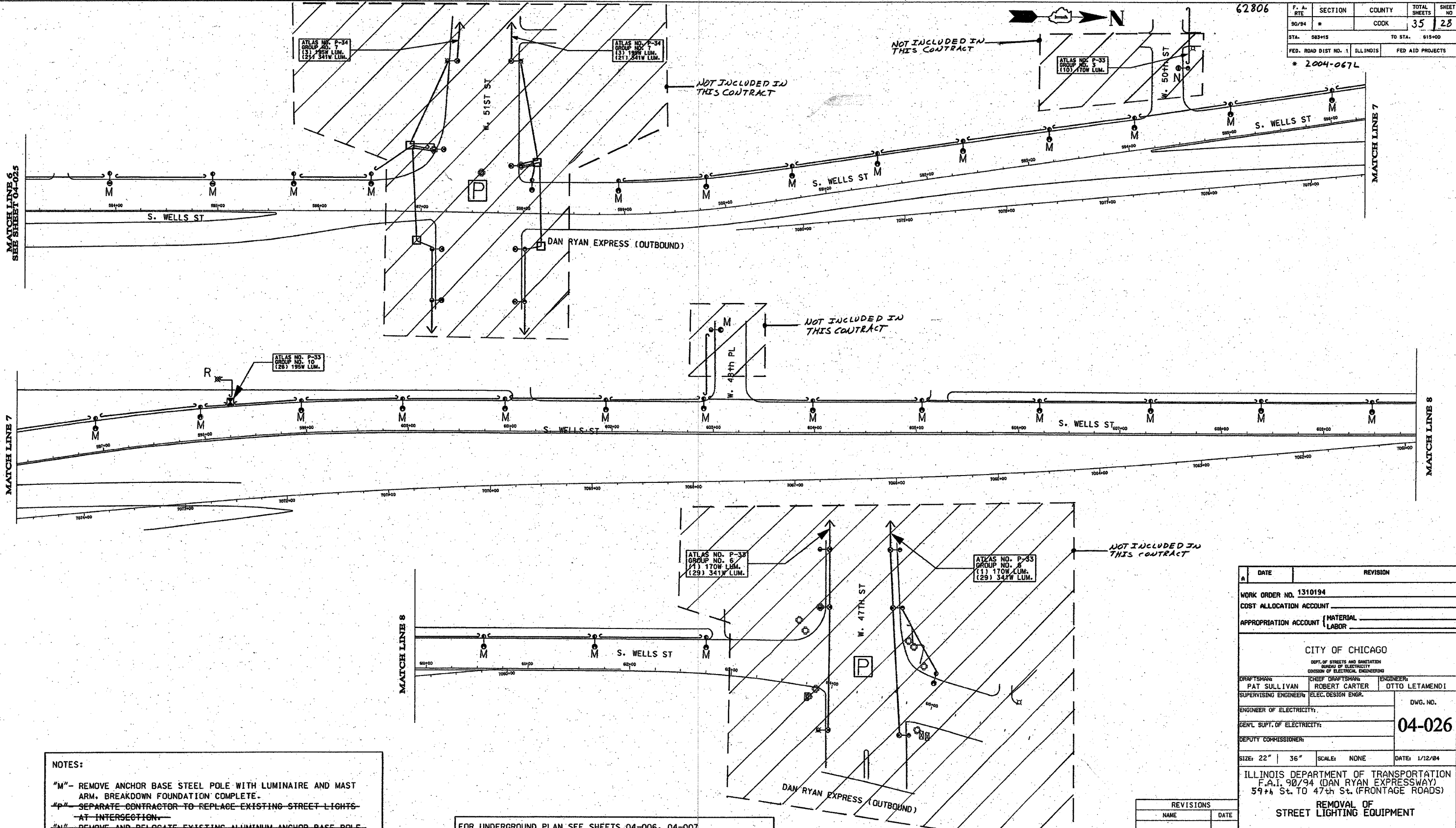
REVISIONS	
NAME	DATE

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	ENGINEERS
PAT SULLIVAN	ROBERT CARTER	OTTO LETAMENDI
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		DWG. NO.
DEPT. Supt. OF ELECTRICITY:		04-025
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.	

62806

F. A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	#	COOK	35	28
STA. 583+15	TO STA. 619+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED AID PROJECTS		

* 2004-067L



MATCH LINE 6
SEE SHEET 04-025

MATCH LINE 7

MATCH LINE 8

NOTES:

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

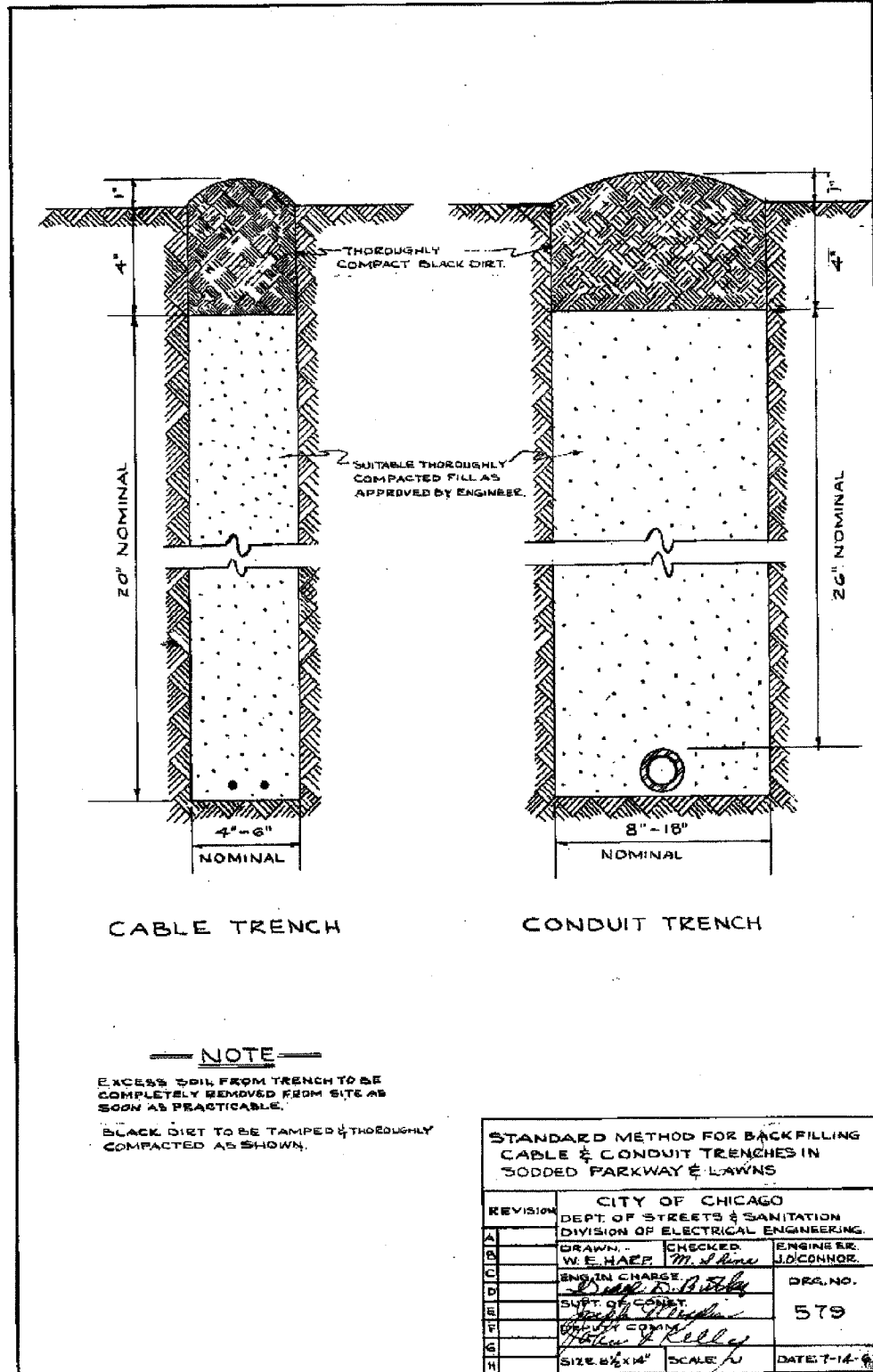
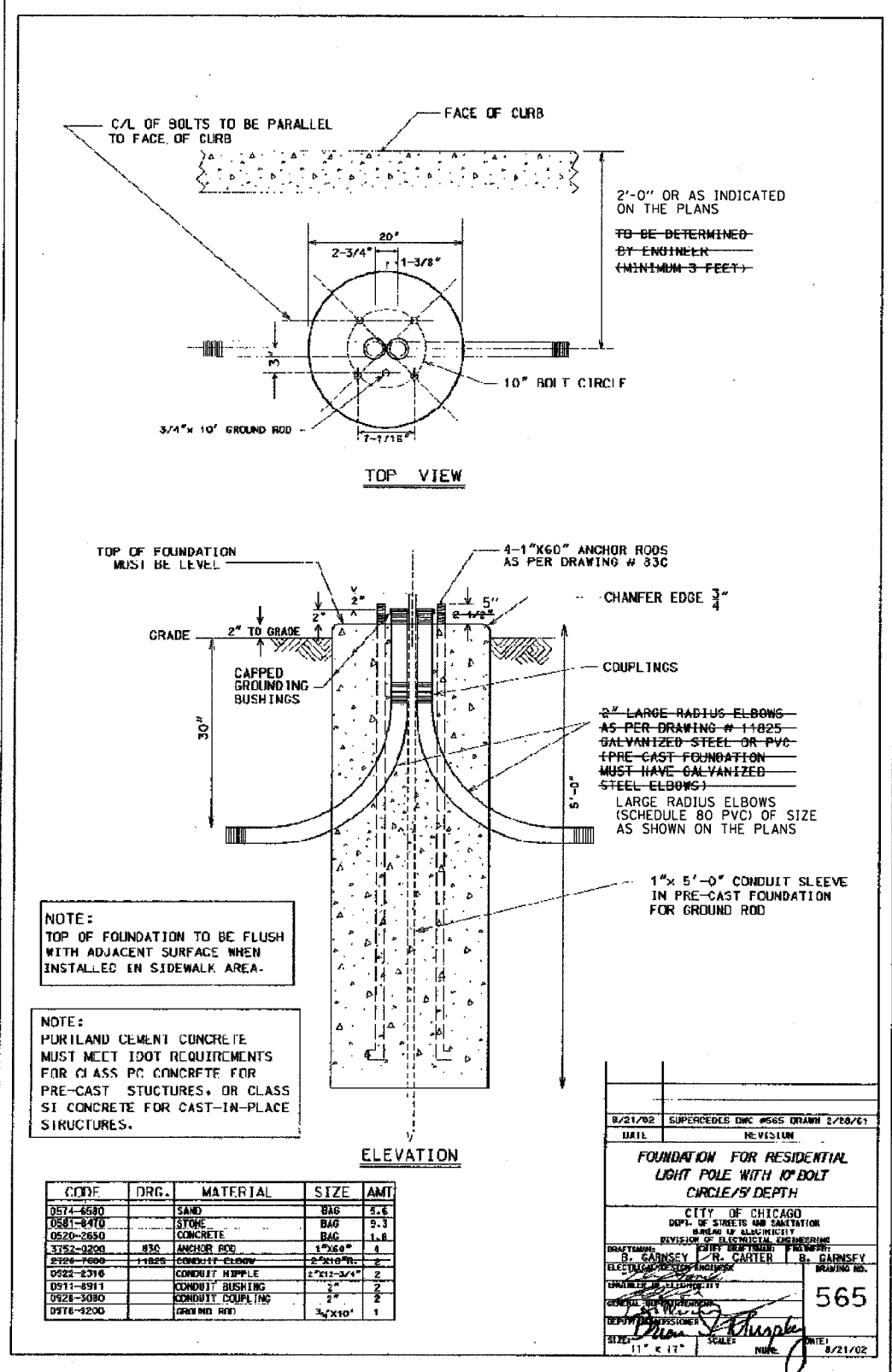
FOR UNDERGROUND PLAN SEE SHEETS 04-006, 04-007
FOR INSTALLATION PLAN SEE SHEETS 04-018, 04-019

REVISIONS	
NAME	DATE

A	DATE	REVISION
WORK ORDER NO. 1310194		
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT MATERIAL		
LABOR		
CITY OF CHICAGO		
DEPT. OF STREETS AND SANITATION		
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:		04-026
DEPUTY COMMISSIONER:		
SIZE: 22" 36"	SCALE: NONE	DATE: 1/12/04
ILLINOIS DEPARTMENT OF TRANSPORTATION		
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)		
59th St. TO 47th St. (FRONTAGE ROADS)		
REMOVAL OF STREET LIGHTING EQUIPMENT		
SCALE: NONE	DRAWN BY: P.R.S.	
DATE: February 11, 2005	CHECKED BY: O.L.	

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

NOTES:
 1. 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.

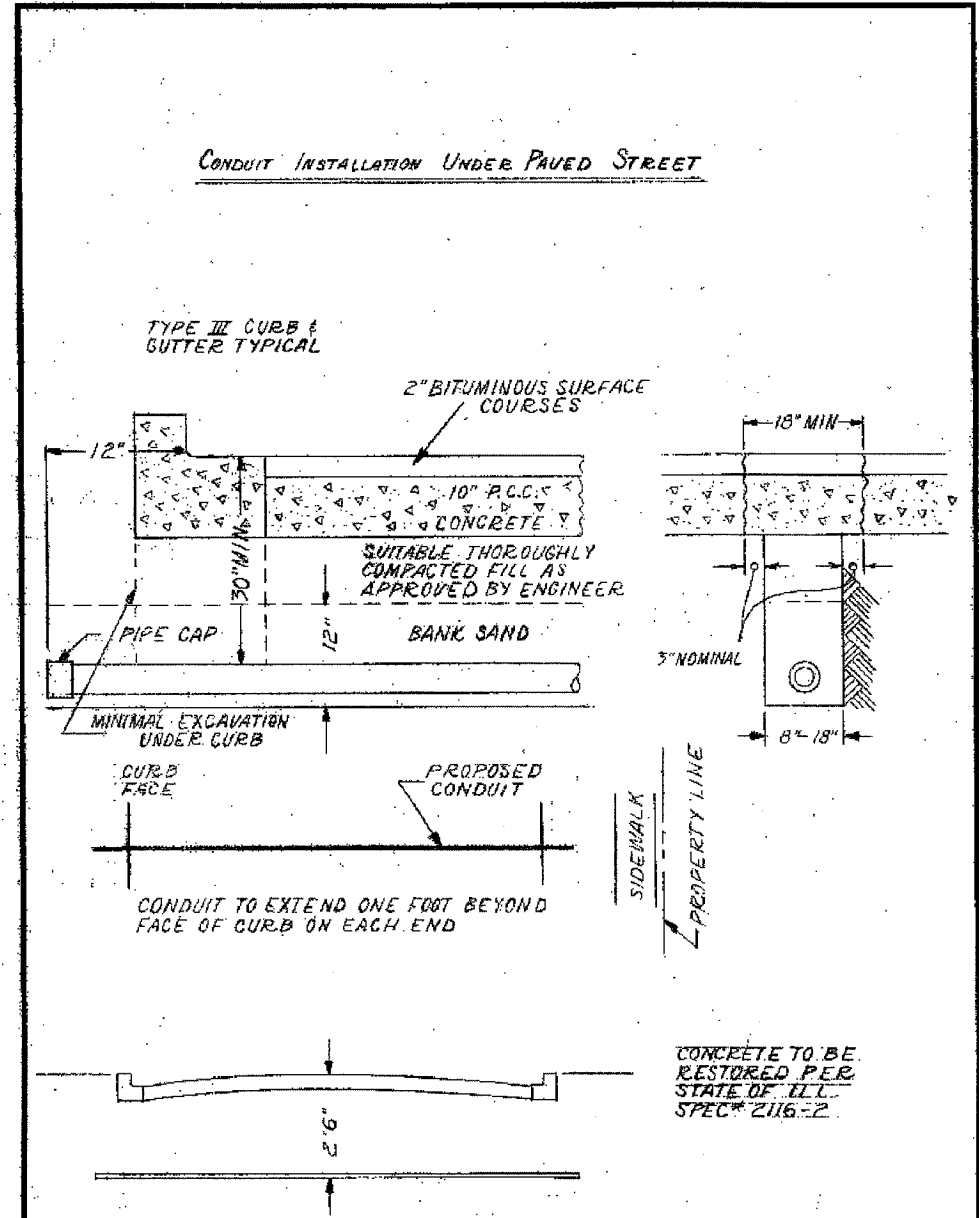


STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS

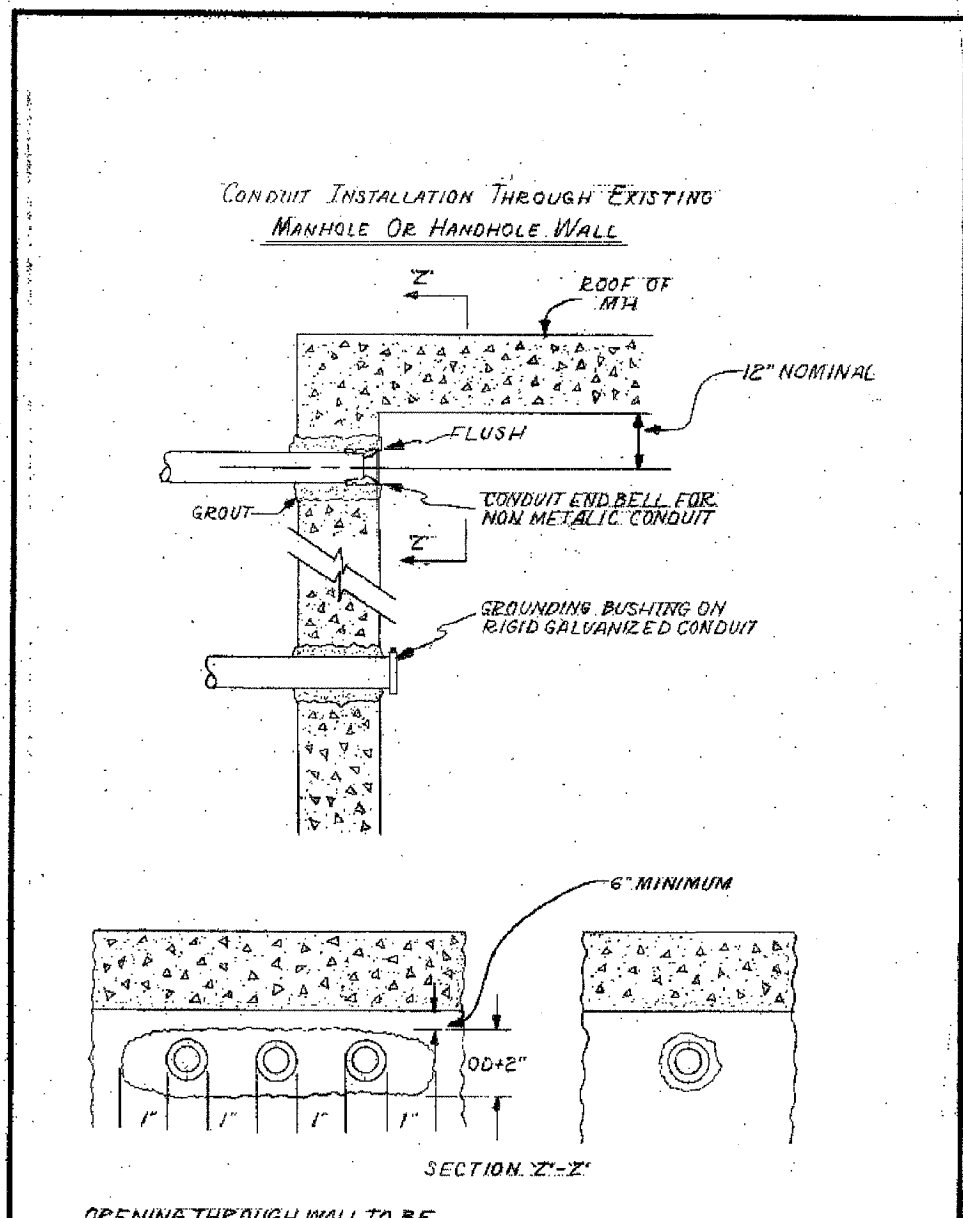
CITY OF CHICAGO			
DEPT. OF STREETS & SANITATION			
DIVISION OF ELECTRICAL ENGINEERING			
REVISION	DRAWN	CHECKED	ENGINEER
A	W. E. HAEF	M. J. RINE	J. O'CONNOR
B			
C			
D	ENG. IN CHARGE		DRA. NO.
E	SUPT. OF CONST.		579
F			
G			
H	SIZE 8 1/2" x 11"	SCALE 1/4"	DATE 7-14-01

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 WELLS STREET
NAME	DATE	
		BOE STANDARD DETAILS
		SCALE: NONE
		DATE: February 11, 2005
		DRAWN BY: HAR
		CHECKED BY: WDS

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



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



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. SYCKOWSKI	ENGINEER R.L. MARTIN
<i>Thomas Wilder</i> ENGINEER OF ELECTRICITY		814
<i>Charles E. Bentley</i> 8 1/2" X 14"		

CTE ENGINEERS
CONSER TOWNSEND ENVIRODYNE ENGINEERS, INC.
303 EAST WACKER 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
WELLS STREET

BOE STANDARD DETAILS

SCALE: NONE
DATE: February 11, 2005

DRAWN BY: HAR
CHECKED BY: WDS

BOE-2

02/02/2005 09:02:33 AM \\citech\nt\p40488\p40488elec\N4-cntr\5-sm\contract\9012-b06090\200202a.dwg

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

PROPOSED PRESENT

- SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
- SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
- SIGNAL OPTICALLY PROGRAMMED
- SIGNAL, PEDESTRIAN, DON'T WALK/WALK
- SIGNAL FACE ARROW, 12" COLOR AS NOTED
- SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
- PUSH BUTTON, PEDESTRIAN
- SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
- MAST ARM, MONOTUBE, STEEL, SIZE AS INDICATED (SEE DWG. #870)
- MAST ARM, TRUSS, ALUMINUM, SIZE AS INDICATED
- CONTROLLER, TRAFFIC SIGNAL, PEDESTAL OR BASE MOUNTED AS INDICATED
- CONTROLLER, STREET LIGHTING, PEDESTAL OR BASE MOUNTED (DWG. #876 or #880)
- CONTROLLER, STREET LIGHTING, POLE MOUNTED (DWG. #11940)
- POLE, WOOD, COMMONWEALTH EDISON COMPANY, SERVICE
- POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA., 10" 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", 3 GA., 11" DIA. AND 17 1/4" B.C. 30"X9" FND. W/1 1/4" ANCHOR RODS DRG. #816. (30', 40' or 44' 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	DESCRIPTION
		310W PENDANT (240V)
		400W PENDANT (240V)
		250W PENDANT (240V)
		150W ACORN (120V)
		150W ACORN (240V)
		50W ACORN (240V)
		100W ACORN (240V)
		150W GLOBE (240V)
		100W GLOBE (240V)
		50W GLOBE (240V)

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

REVISIONS	
NAME	DATE

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

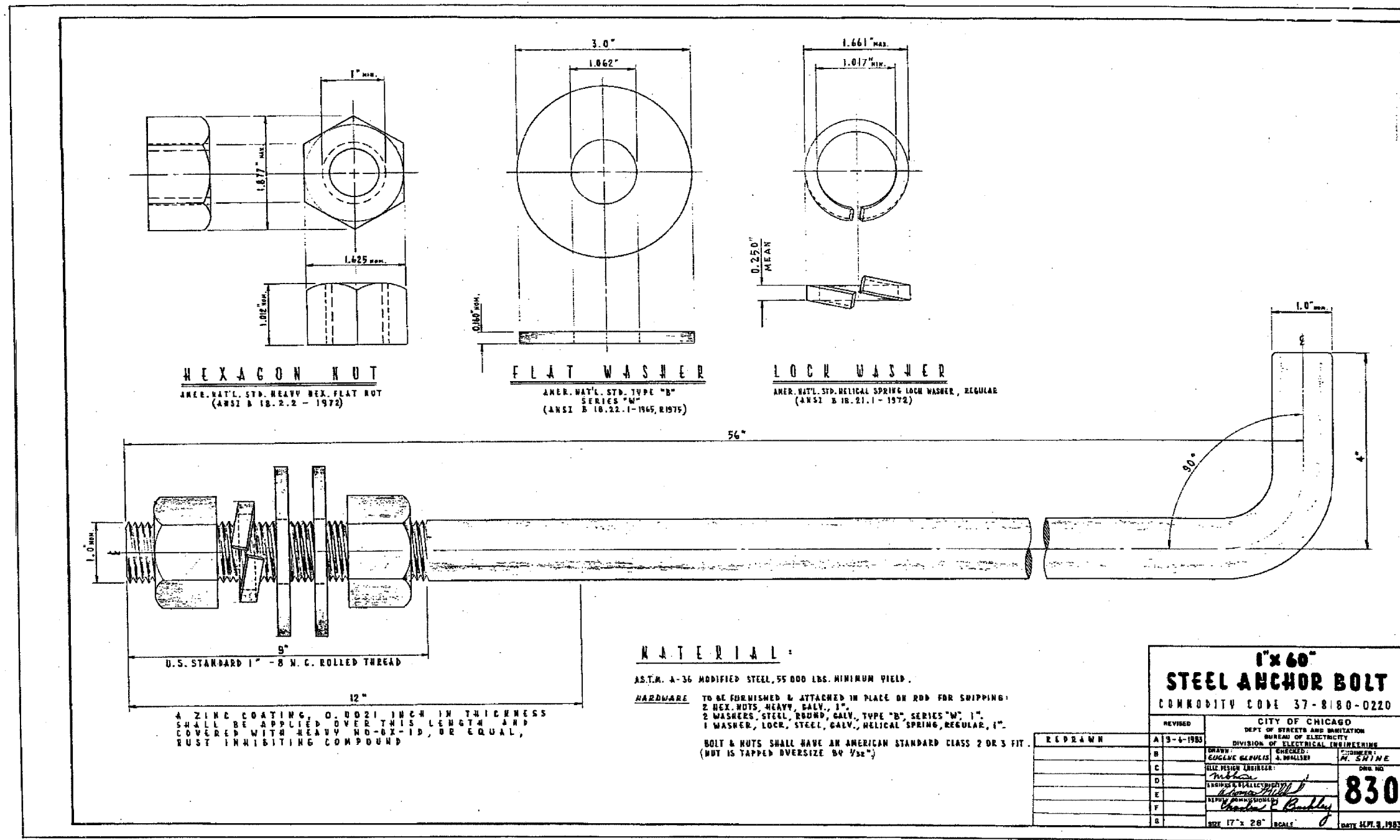
BOE STANDARD DETAILS

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



BOE-3

02/02/2005 09:02:35 AM



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

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

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

MATERIAL:

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

A ZINC COATING, 0.0021 INCH IN THICKNESS
 SHALL BE APPLIED OVER THIS LENGTH AND
 COVERED WITH HEAVY HD-X-10, OR EQUAL,
 RUST INHIBITING COMPOUND

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

REVISED	CITY OF CHICAGO	
RE DRAWN	DEPT. OF STREETS AND SANITATION	
	BUREAU OF ELECTRICITY	
	DIVISION OF ELECTRICAL ENGINEERING	
B	DRAWN: EUGENE GEFUETS	CHECKED: R. SHINE
C	ALL DESIGN ENGINEER:	DWG. NO.
D	TECHNICAL SUPERVISOR:	830
E	REVISIONS:	
F	DATE: SEPT. 4, 1983	
G	SIZE 17" x 28"	SCALE:

BOE-4

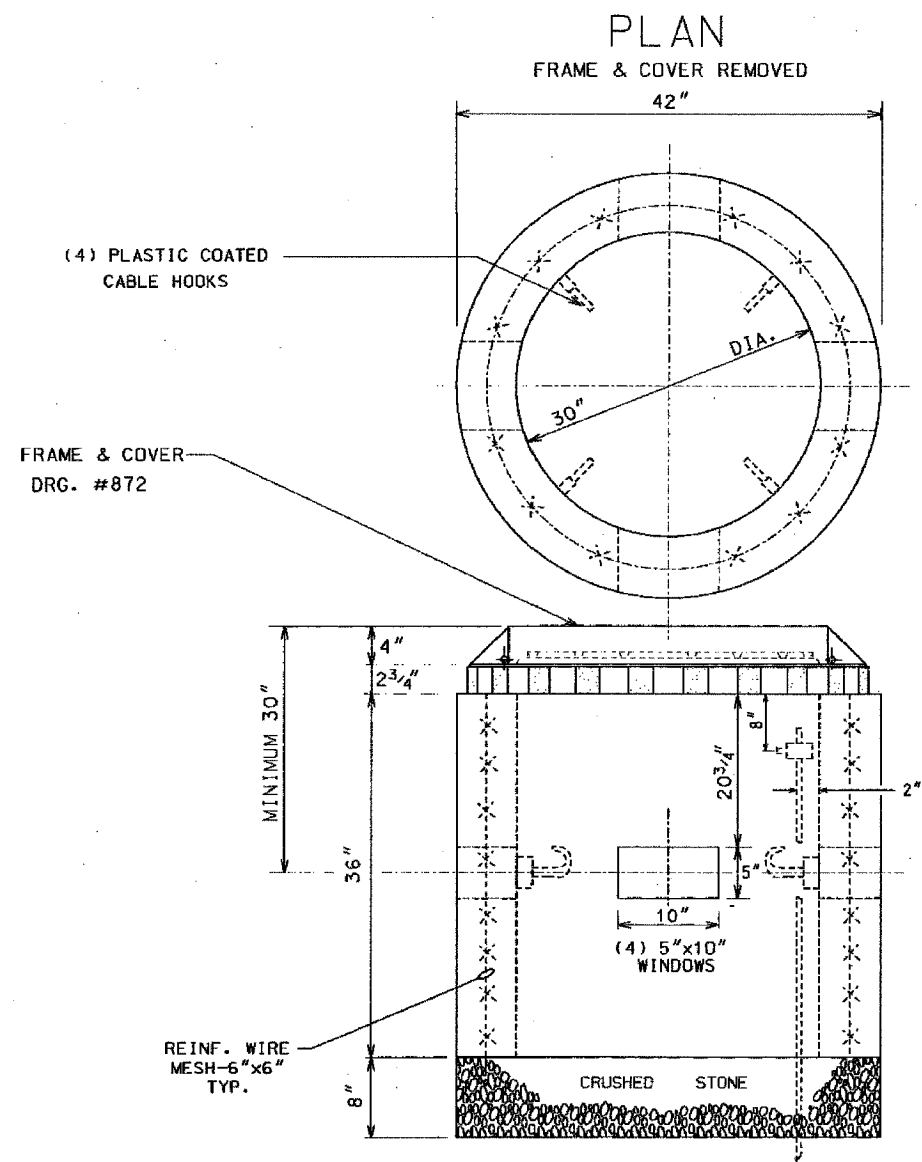
REVISIONS	
NAME	DATE

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

BOE STANDARD DETAILS

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

02/02/2005 09:02:37 AM
 V:\tech\m\940466\p\0466\sheet\4-cmr\9-cm\contract\9b\2\00422.sht



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:

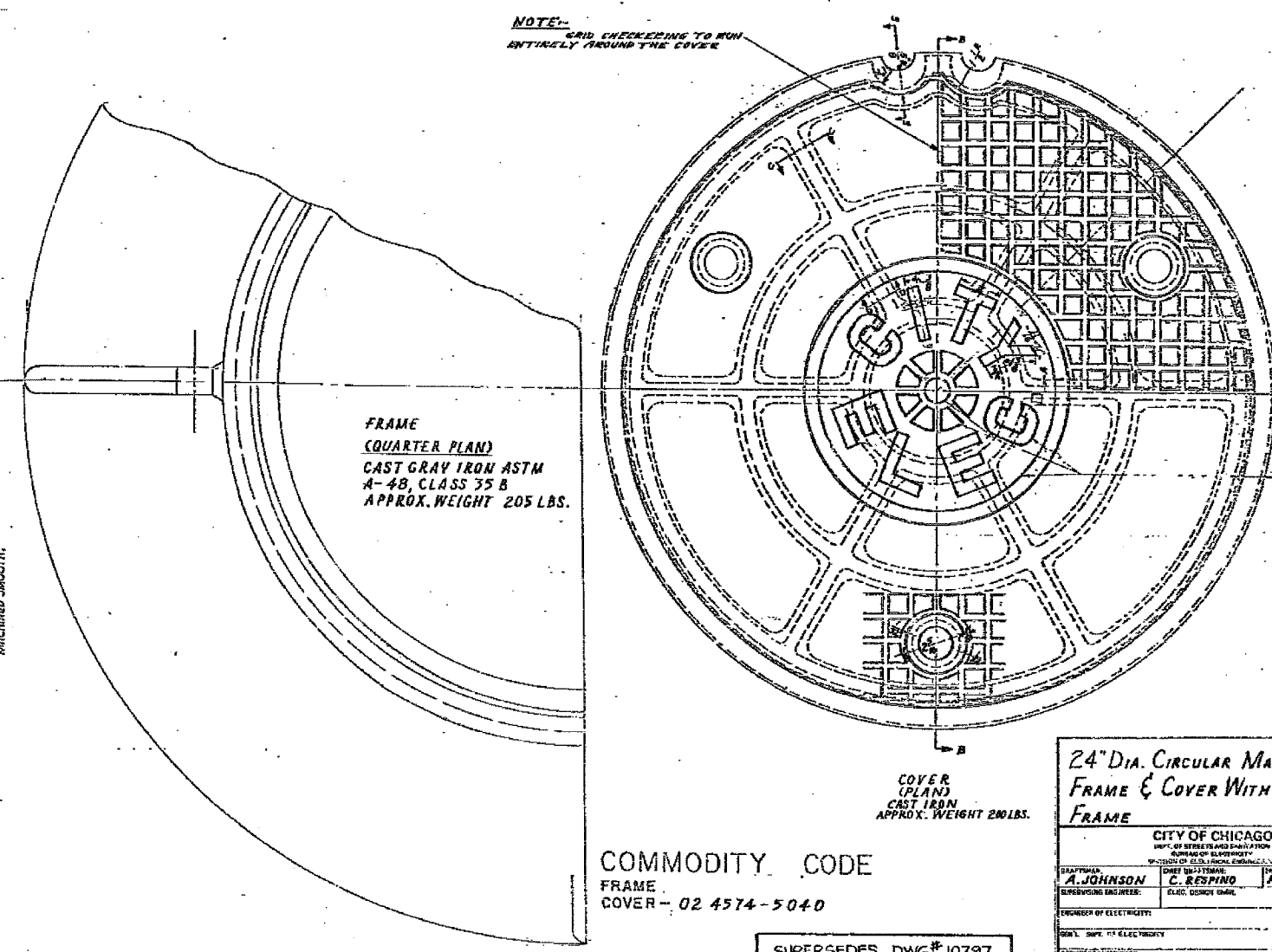
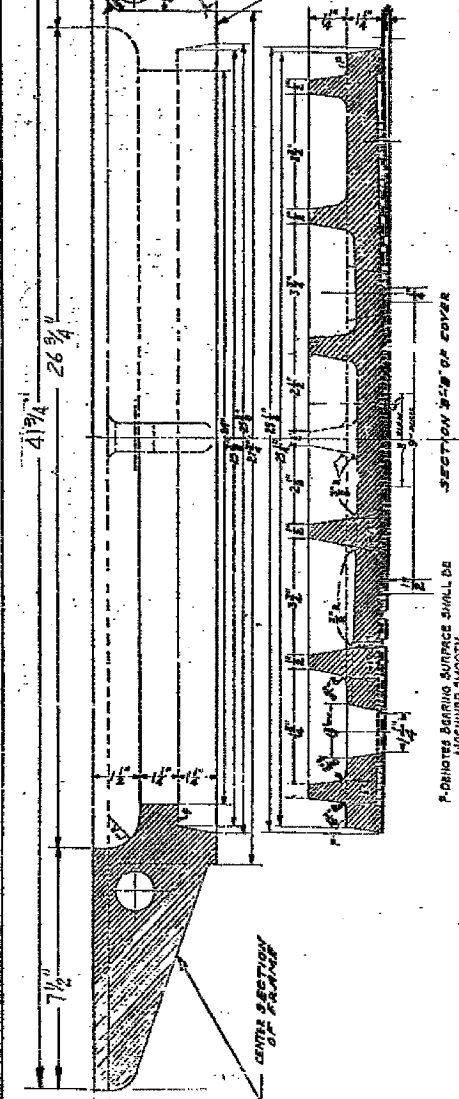
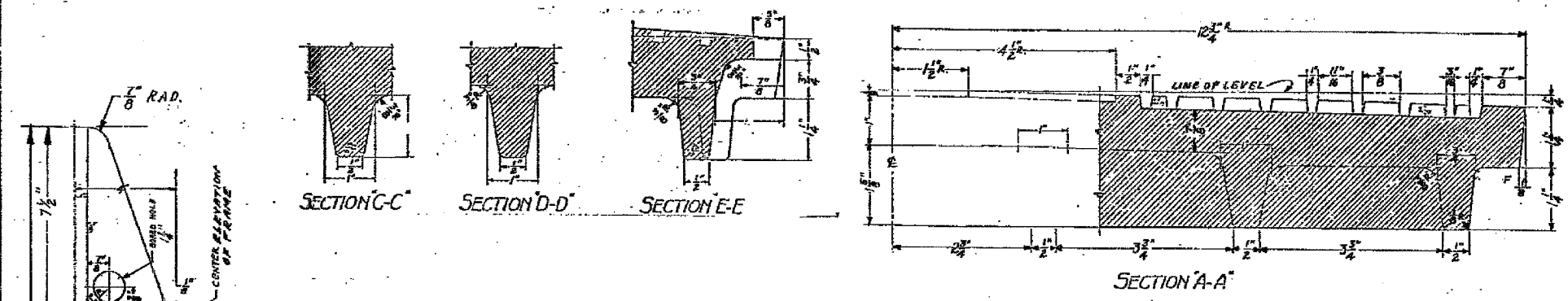
- 8" BED OF STONE FOR DRAINAGE.
- ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

B	11-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	DRG/RLD
A	12-8-95	REWORK (CAD)	MP
DATE		REVISION	
30" DIA. CONCRETE HANDHOLE			
CITY OF CHICAGO			
DEPT. OF STREET & SANITATION DIVISION OF ELECTRICITY DIVISION OF SYSTEMS & MAINTENANCE			
DRAWN BY:	DESIGNED BY:	IN CHARGE:	TRUCKER:
M. PATTON	B. CARTER	DEBARTOLO	
SUPERVISING ENGINEER			UWG. NO.
ENGINEER OF ELECTRICITY			867
GENL. SUPT. OF ELECTRICITY			
DEPT. OF COMMISSIONER			
SIZE: 11"	DATE: 12-8-95	SCALE: NONE	

REVISIONS	
NAME	DATE

02/02/2005 09:02:38 AM \netch-rt\p\0465\p\0465\elect\4-cmr\5-sh\contract\9b\2\use\05\2005\2a.sty

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



NOTE: GRID CHECKING TO RUN ENTIRELY AROUND THE COVER

NOTE: THE TOP SURFACE OF THE 3 CIRCLES AND ALL OF THE LETTERS TO BE RAISED 1/4" ABOVE THE SURFACE WITHIN THE 9" DIAMETER WITH THE DRAFT ANGLE.

COMMODITY CODE
FRAME
COVER - 02 4574-5040

SUPERSEDES DWG #10797
DATED 2-10-35

24" DIA. CIRCULAR MANHOLE
FRAME & COVER WITH 41 3/4" O.D.
FRAME

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DATE: 4-24-92

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

REVISIONS	
NAME	DATE

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

BOE STANDARD DETAILS

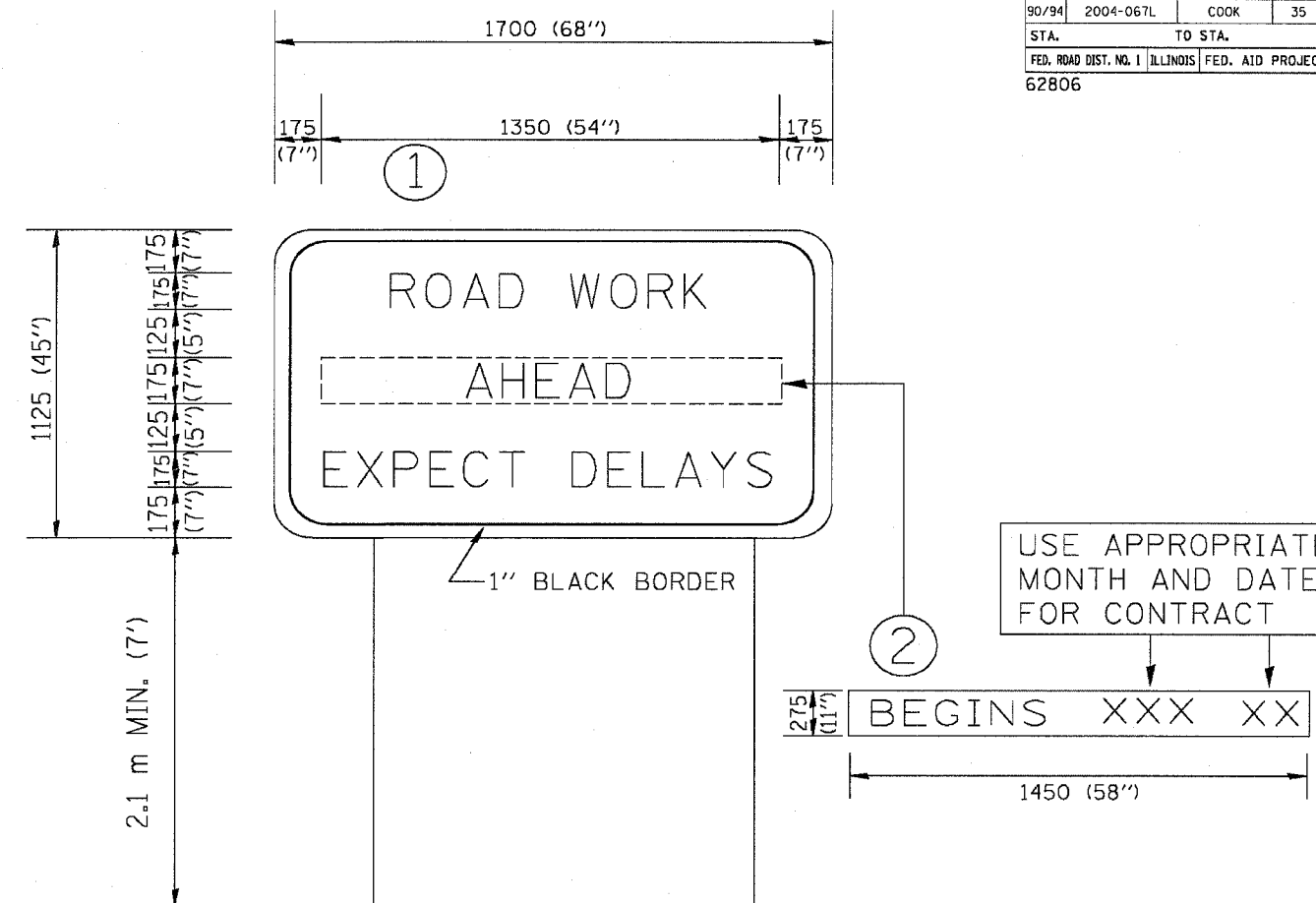
SCALE: NONE
DATE: February 11, 2005

DRAWN BY: HAR
CHECKED BY: WDS

BOE-6

02/02/2005 09:02:39 AM

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



NOTES:

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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY INFORMATION SIGNING

SCALE: DATE 10/18/2002
DRAWN BY: BUR. OF DESIGN
CHECKED BY:

TC22
REVISION DATE: 02/02/99