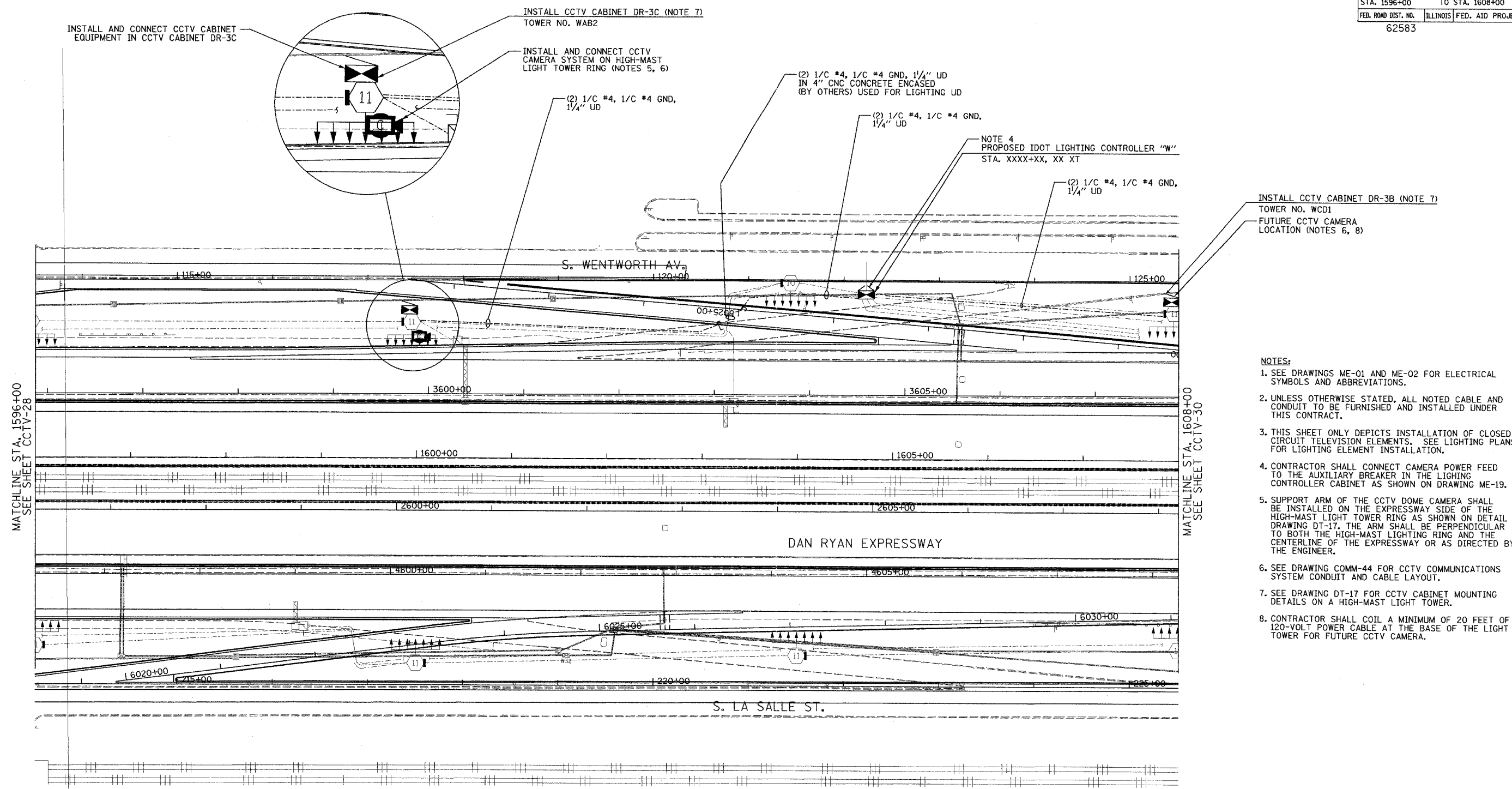
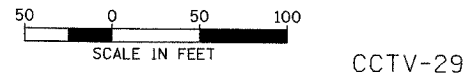


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	701
STA. 1596+00 TO STA. 1608+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



- NOTES:
- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS. SEE LIGHTING PLANS FOR LIGHTING ELEMENT INSTALLATION.
 - CONTRACTOR SHALL CONNECT CAMERA POWER FEED TO THE AUXILIARY BREAKER IN THE LIGHTING CONTROLLER CABINET AS SHOWN ON DRAWING ME-19.
 - SUPPORT ARM OF THE CCTV DOME CAMERA SHALL BE INSTALLED ON THE EXPRESSWAY SIDE OF THE HIGH-MAST LIGHT TOWER RING AS SHOWN ON DETAIL DRAWING DT-17. THE ARM SHALL BE PERPENDICULAR TO BOTH THE HIGH-MAST LIGHTING RING AND THE CENTERLINE OF THE EXPRESSWAY OR AS DIRECTED BY THE ENGINEER.
 - SEE DRAWING COMM-44 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.
 - SEE DRAWING DT-17 FOR CCTV CABINET MOUNTING DETAILS ON A HIGH-MAST LIGHT TOWER.
 - CONTRACTOR SHALL COIL A MINIMUM OF 20 FEET OF 120-VOLT POWER CABLE AT THE BASE OF THE LIGHT TOWER FOR FUTURE CCTV CAMERA.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 CLOSED CIRCUIT TELEVISION SITE LAYOUT CAMERA DR-3C, DR-3B
NAME	DATE	

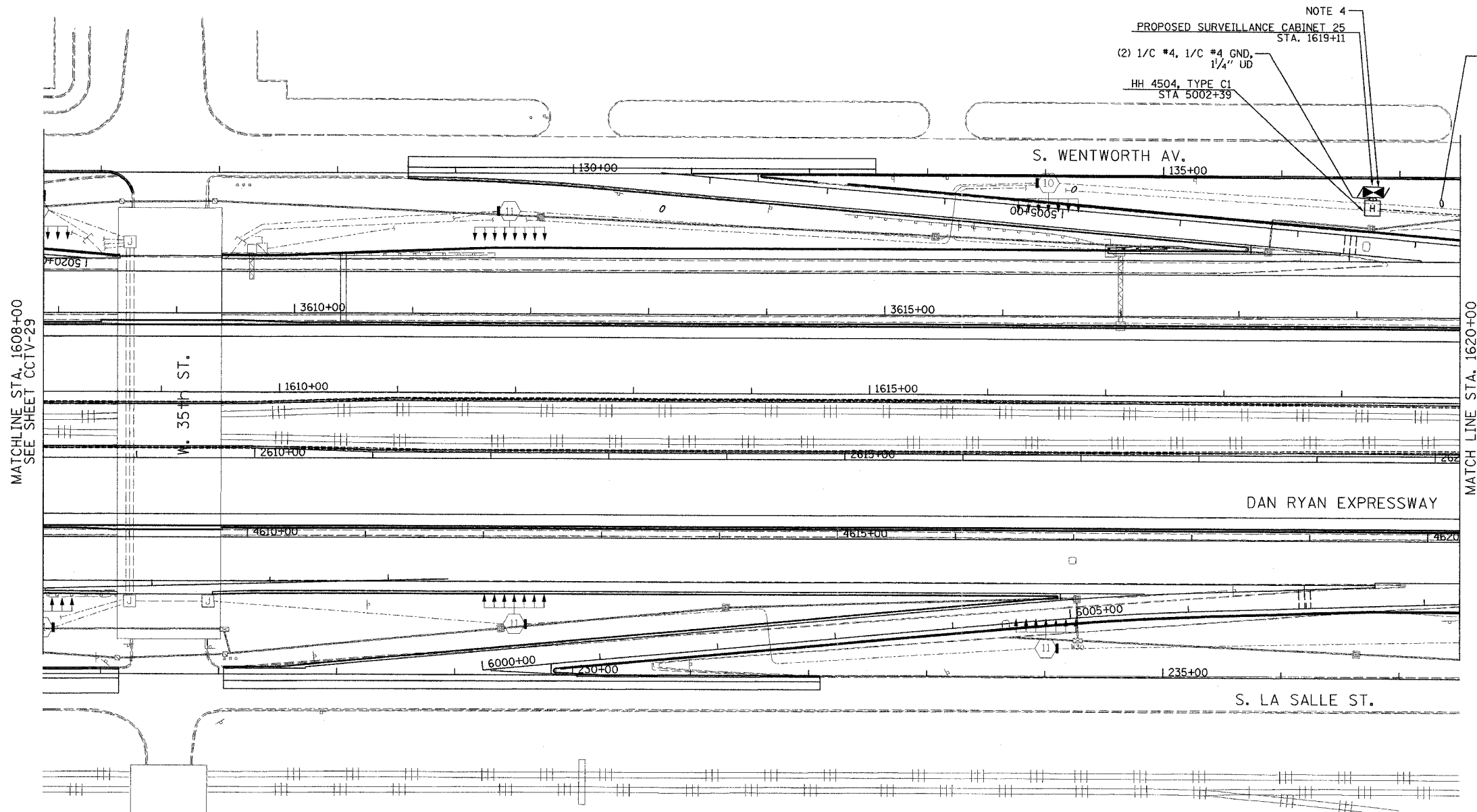
SCALE: 1"=50' DRAWN BY: DHI
DATE: October 29, 2004 CHECKED BY: MJL

**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EXCORP.COM

P:\030109\035\15\1600\cctv\cctv-29.dwg 10/14/2004 09:23:36 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-031I	COOK	976	702
STA. 1608+00 TO STA. 1620+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

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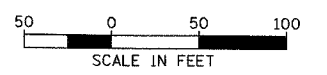


NOTE 4
 PROPOSED SURVEILLANCE CABINET 25
 STA. 1619+11
 (2) 1/C #4, 1/C #4 GND, 1/4" UD
 HH 4504, TYPE C1
 STA 5002+39
 (2) 1/C #4, 1/C #4 GND, 1/4" UD

- NOTES:
1. SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 3. THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS. SEE LIGHTING PLANS FOR LIGHTING ELEMENT INSTALLATION.
 4. CONTRACTOR SHALL CONNECT CAMERA POWER FEED TO TERMINAL BLOCK TWO IN THE IDOT CONTROL CABINET 25 AS SHOWN ON DRAWING DT-36.
 5. SEE DRAWING COMM-46 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.

MATCHLINE STA. 1608+00
SEE SHEET CCTV-29

MATCH LINE STA. 1620+00
SEE SHEET CCTV-31



CCTV-30

**Edwards
AND Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

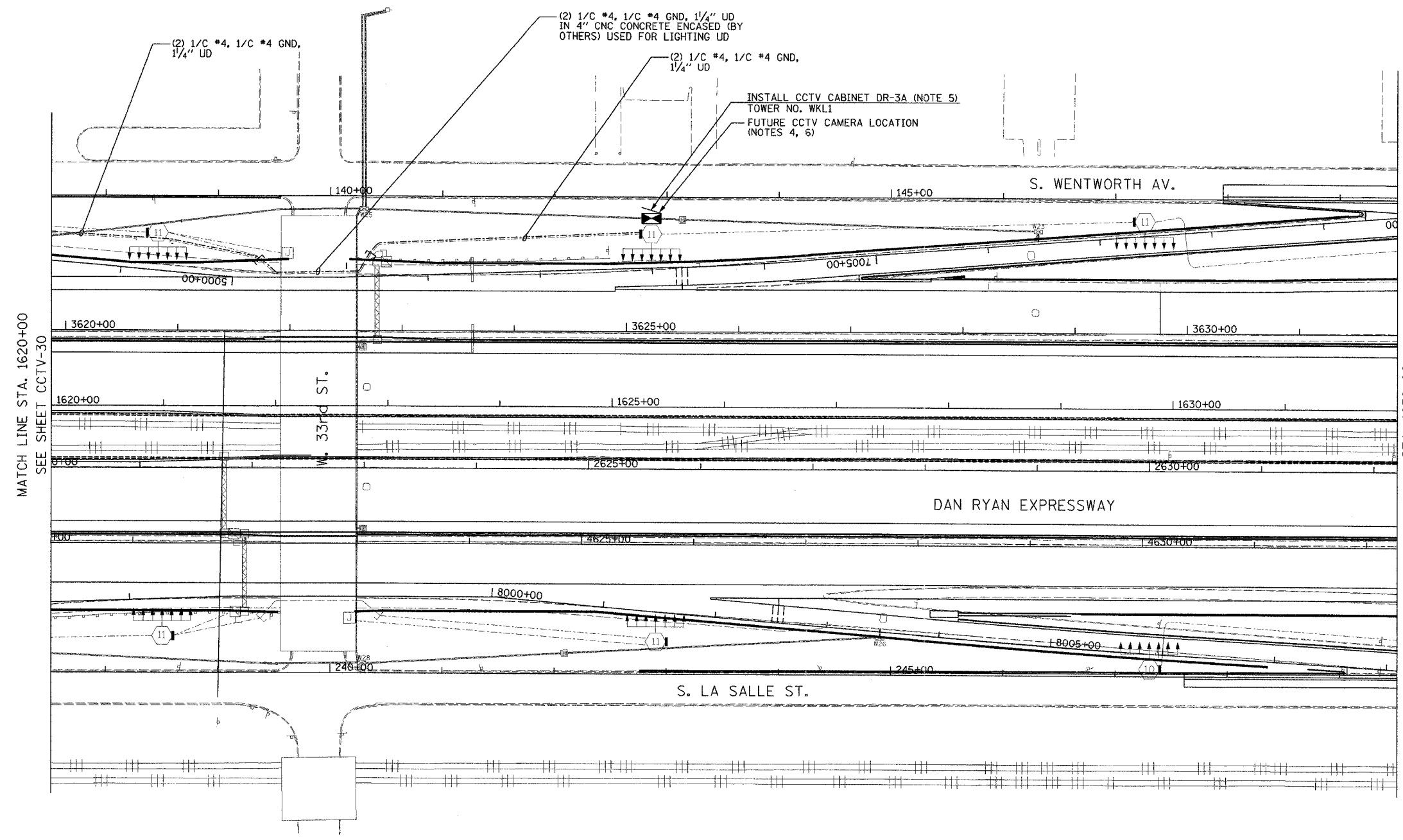
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 CLOSED CIRCUIT TELEVISION
 SITE LAYOUT
 CAMERA DR-3A (SHEET 1 OF 2)
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: MJL

0/14/2004 08:23:37 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	703
STA. 1620+00 TO STA. 1632+00		ILLINOIS FED. AID PROJECT	
62583			

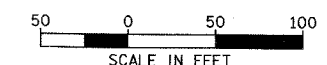
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- NOTES:
- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS. SEE LIGHTING PLANS FOR LIGHTING ELEMENT INSTALLATION.
 - SEE DRAWING COMM-48 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.
 - SEE DRAWING DT-17 FOR CCTV CABINET MOUNTING DETAILS ON A HIGH-MAST LIGHT TOWER.
 - CONTRACTOR SHALL COIL A MINIMUM OF 20 FEET OF 120-VOLT POWER CABLE AT THE BASE OF THE LIGHT TOWER FOR FUTURE CCTV CAMERA.

MATCH LINE STA. 1620+00
SEE SHEET CCTV-30

STA. 1632+00



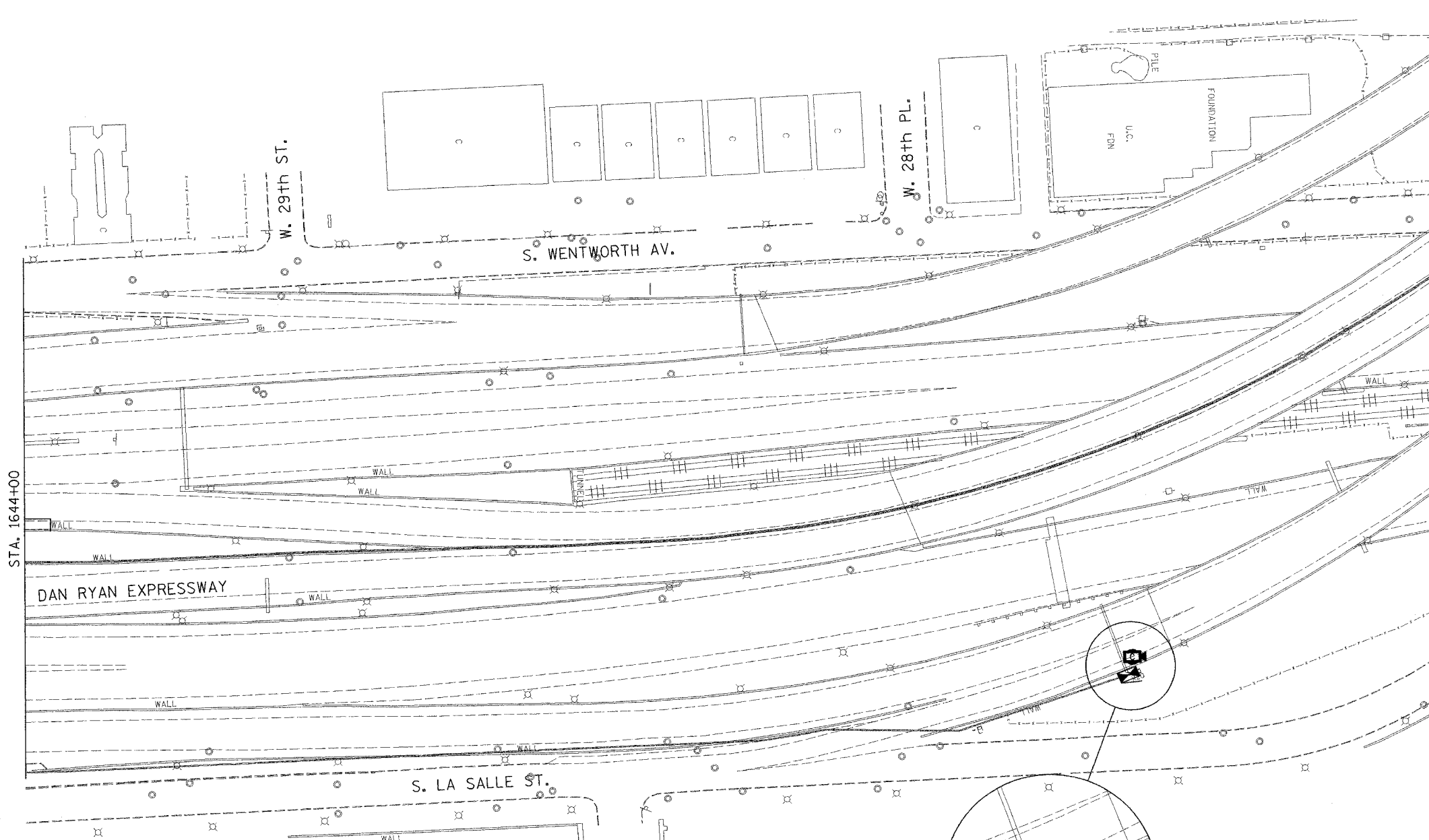
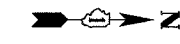
CCTV-31

**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 CLOSED CIRCUIT TELEVISION SITE LAYOUT CAMERA DR-3A (SHEET 2 OF 2) SCALE: 1"=50' DATE: October 29, 2004	DRAWN BY: DHI CHECKED BY: MJL
NAME	DATE		

10/14/2004 09:23:38 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	704
STA. 1644+00	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS.
 - CONTRACTOR SHALL CONNECT CAMERA POWER FEED TO EXISTING IDOT CONTROLLER CABINET X22 AS DIRECTED IN THE SPECIAL PROVISIONS.
 - SUPPORT ARM OF THE CCTV DOME CAMERA SHALL BE INSTALLED ON THE EXPRESSWAY SIDE OF THE EXTENSION POLE. SEE DRAWING DT-16 FOR CCTV CAMERA MOUNTING DETAILS ON SIGN STRUCTURE.
 - SEE DRAWING COMM-50 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.
 - SEE DRAWING DT-16 FOR CCTV CABINET MOUNTING DETAILS ON SIGN STRUCTURE.

INSTALL AND CONNECT CCTV CAMERA SYSTEM ON EXISTING SIGN STRUCTURE (NOTES 5, 6)

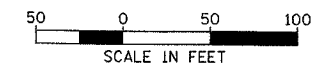
FOR POWER FEED INSTALLATION, SEE NOTE 4

INSTALL AND CONNECT CCTV CABINET EQUIPMENT IN CCTV CABINET DR-2B

INSTALL CCTV CABINET DR-2B ON EXISTING SIGN STRUCTURE (NOTE 7)

(2) 1/C #12, 1/C #12 GND, 1/4" UD IN 2" RGC ATS

(2) 1/C #12, 1/C #12 GND, 1/4" UD



CCTV-32

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57

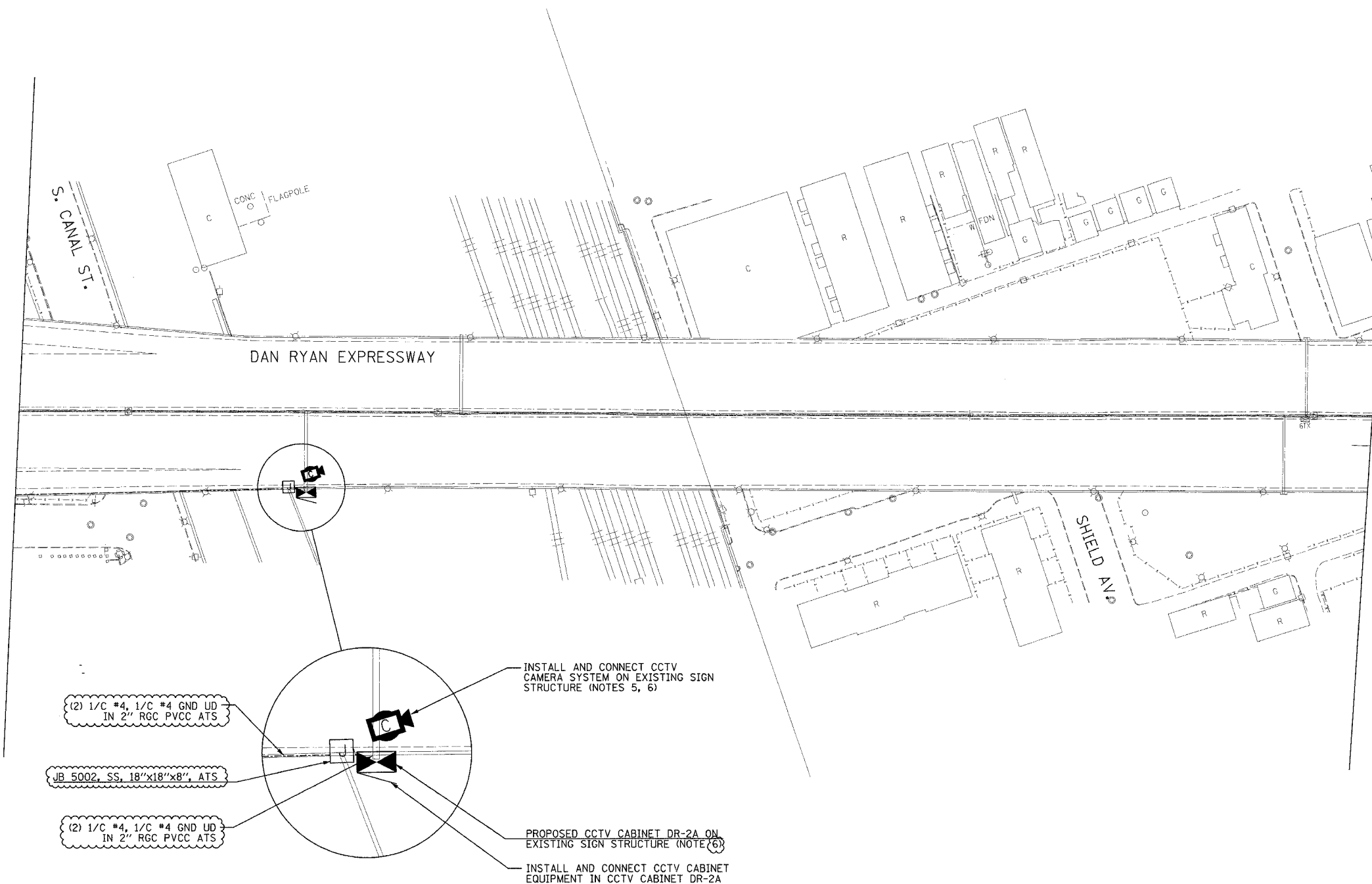
CLOSED CIRCUIT TELEVISION
 SITE LAYOUT
 CAMERA DR-2B

SCALE: 1"=50'
 DATE: October 29, 2004

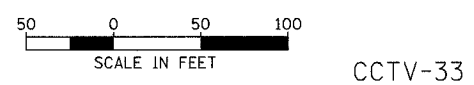
DRAWN BY: DHI
 CHECKED BY: MJL

10/14/2004 09:23:40 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	705
STA. 1644+00 TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



- NOTES:**
- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS.
 - SUPPORT ARM OF THE CCTV DOME CAMERA SHALL BE INSTALLED ON THE EXPRESSWAY SIDE OF THE EXTENSION POLE, SEE DRAWING DT-16 FOR CCTV CAMERA MOUNTING DETAILS ON SIGN STRUCTURE.
 - SEE DRAWING COMM-50 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.
 - SEE DRAWING DT-16 FOR CCTV CABINET MOUNTING DETAILS ON SIGN STRUCTURE.
 - FOR CONDUIT ATTACHMENT DETAILS, SEE SHEET DT-52.



CCTV-33

REVISIONS	
NAME	DATE
REVISION 1	12/17/04

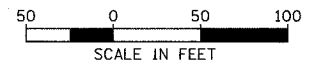
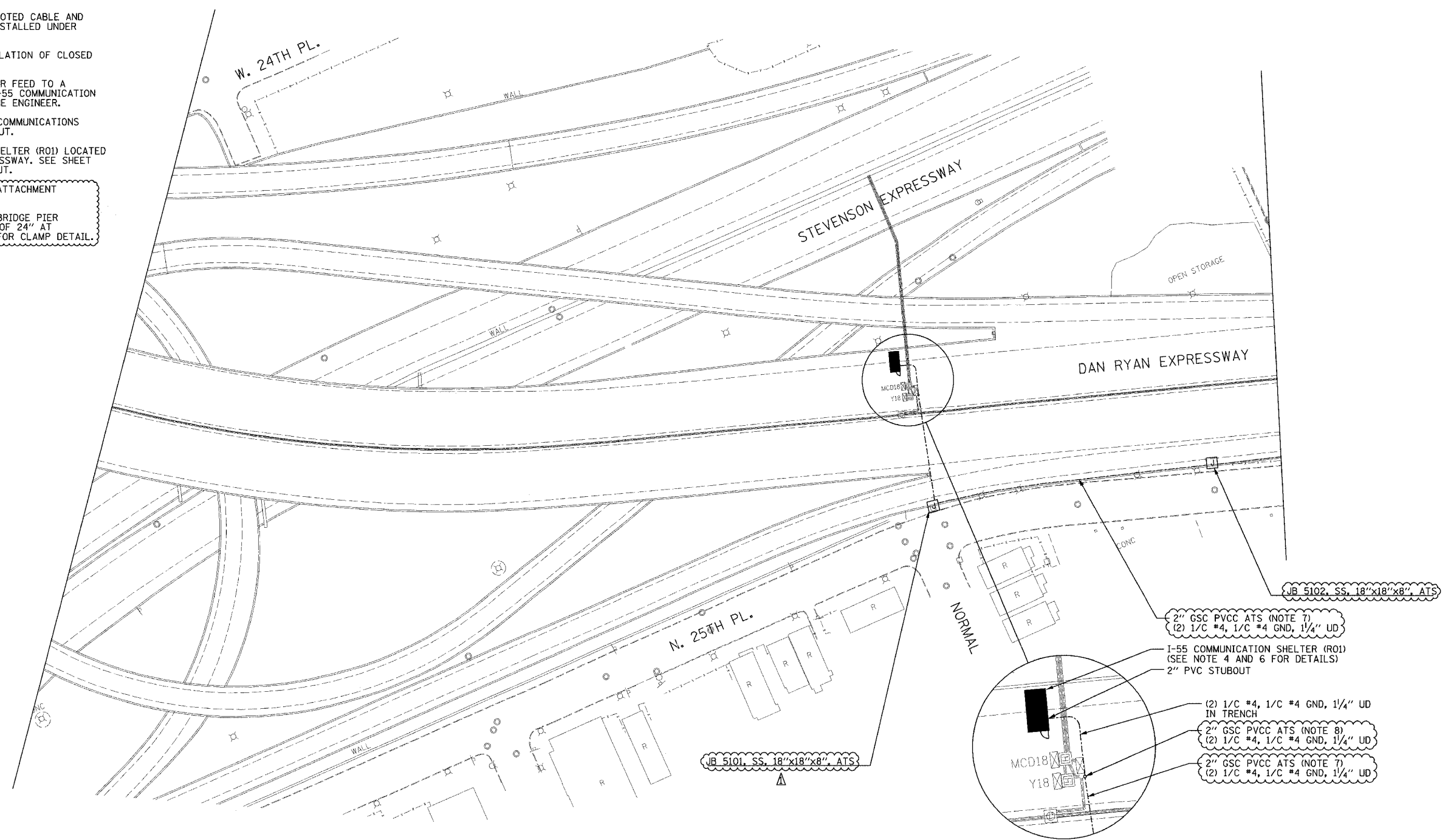
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 CLOSED CIRCUIT TELEVISION
 SITE LAYOUT
 CAMERA DR-2A (SHEET 1 OF 2)
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: MJL

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

12/15/2004 01:46:37 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	706
STA. 1644+00 TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			

- NOTES:
- 1) SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - 2) UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - 3) THIS SHEET ONLY DEPICTS INSTALLATION OF CLOSED CIRCUIT TELEVISION ELEMENTS.
 - 4) CONTRACTOR SHALL CONNECT POWER FEED TO A SPARE CIRCUIT BREAKER IN THE I-55 COMMUNICATION SHELTER (R01) AS DIRECTED BY THE ENGINEER.
 - 5) SEE DRAWING COMM-51 FOR CCTV COMMUNICATIONS SYSTEM CONDUIT AND CABLE LAYOUT.
 - 6) PROPOSED I-55 COMMUNICATION SHELTER (R01) LOCATED AT GRADE UNDER DAN RYAN EXPRESSWAY. SEE SHEET COMM-85 FOR SHELTER SITE LAYOUT.
 - 7) FOR CONDUIT AND JUNCTION BOX ATTACHMENT DETAILS, SEE SHEET DT-52.
 - 8) CONDUIT TO BE INSTALLED DOWN BRIDGE PIER WITH A MINIMUM BENDING RADIUS OF 24" AT EITHER END. SEE DETAIL ME-07C FOR CLAMP DETAIL.



CCTV-34

REVISIONS	
NAME	DATE
REVISION 1	12/17/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 CLOSED CIRCUIT TELEVISION
 SITE LAYOUT
 CAMERA DR-2A (SHEET 2 OF 2)
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: MJL

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

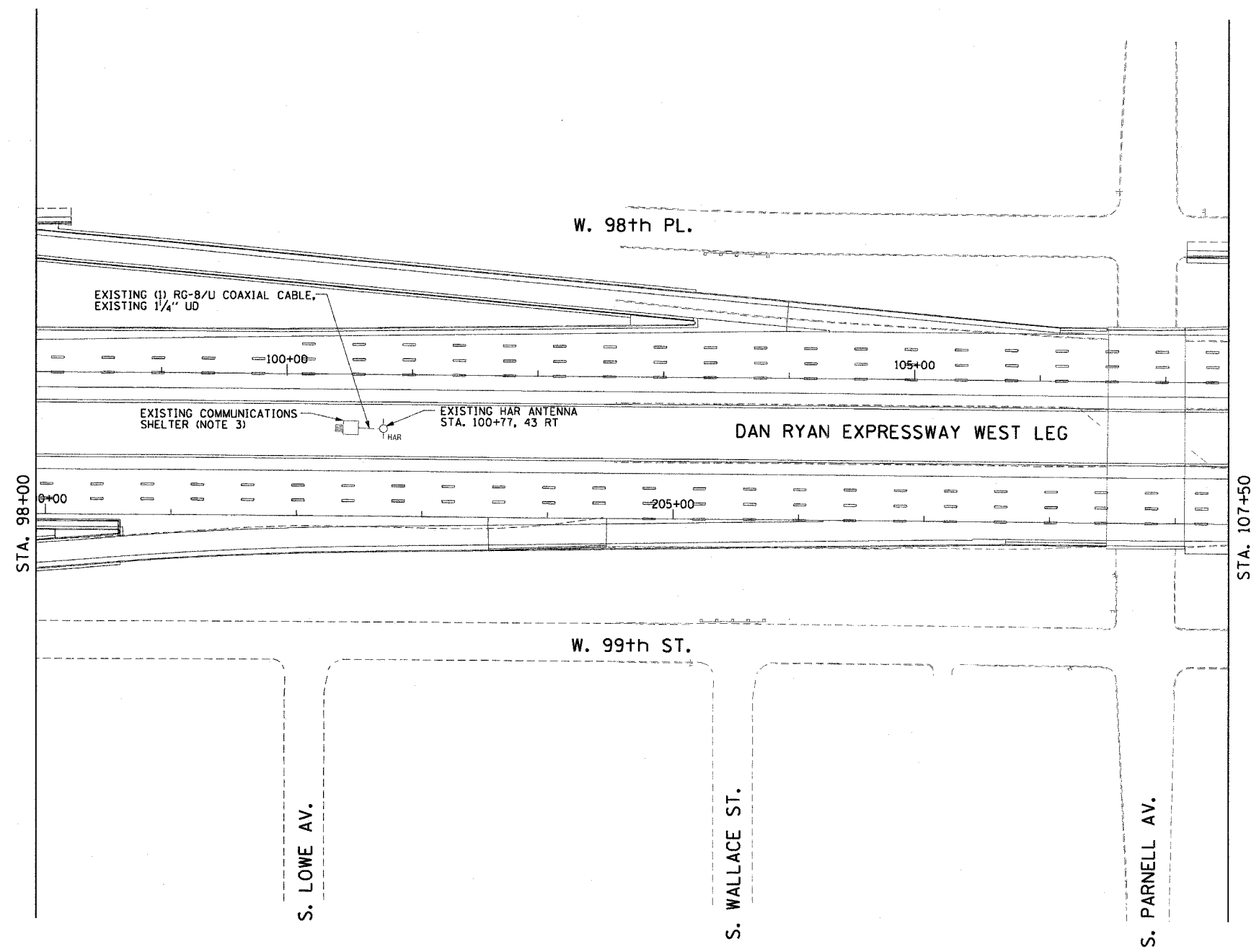
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	707
STA. 1524+37		TO STA. 1537+62		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

62583

NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- EXISTING HAR COMMUNICATION IS VIA A DEDICATED LEASED LINE CONNECTION. CONTRACTOR MUST DISCONNECT THE LEASED LINE AND CONNECT THE SYSTEM TO THE FIBER OPTIC TRANSCEIVER ONCE THE FIBER OPTIC CABLES AND SKYWAY HAR HAVE BEEN INSTALLED. SEE DRAWING DT-20 FOR EXISTING EQUIPMENT RACK INSTALLED IN COMMUNICATIONS SHELTER. CONTRACTOR MUST INSTALL ONLY THE FIBER OPTIC AUDIO TRANSMITTER IN THE EXISTING RACK.



HAR-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57

HIGHWAY ADVISORY RADIO
 LOWE AVE. SITE LAYOUT
 ANTENNA HAR-01

SCALE: 1"=50'
 DATE: October 29, 2004

DRAWN BY: BHP
 CHECKED BY: BMW

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

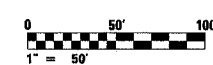
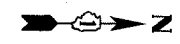
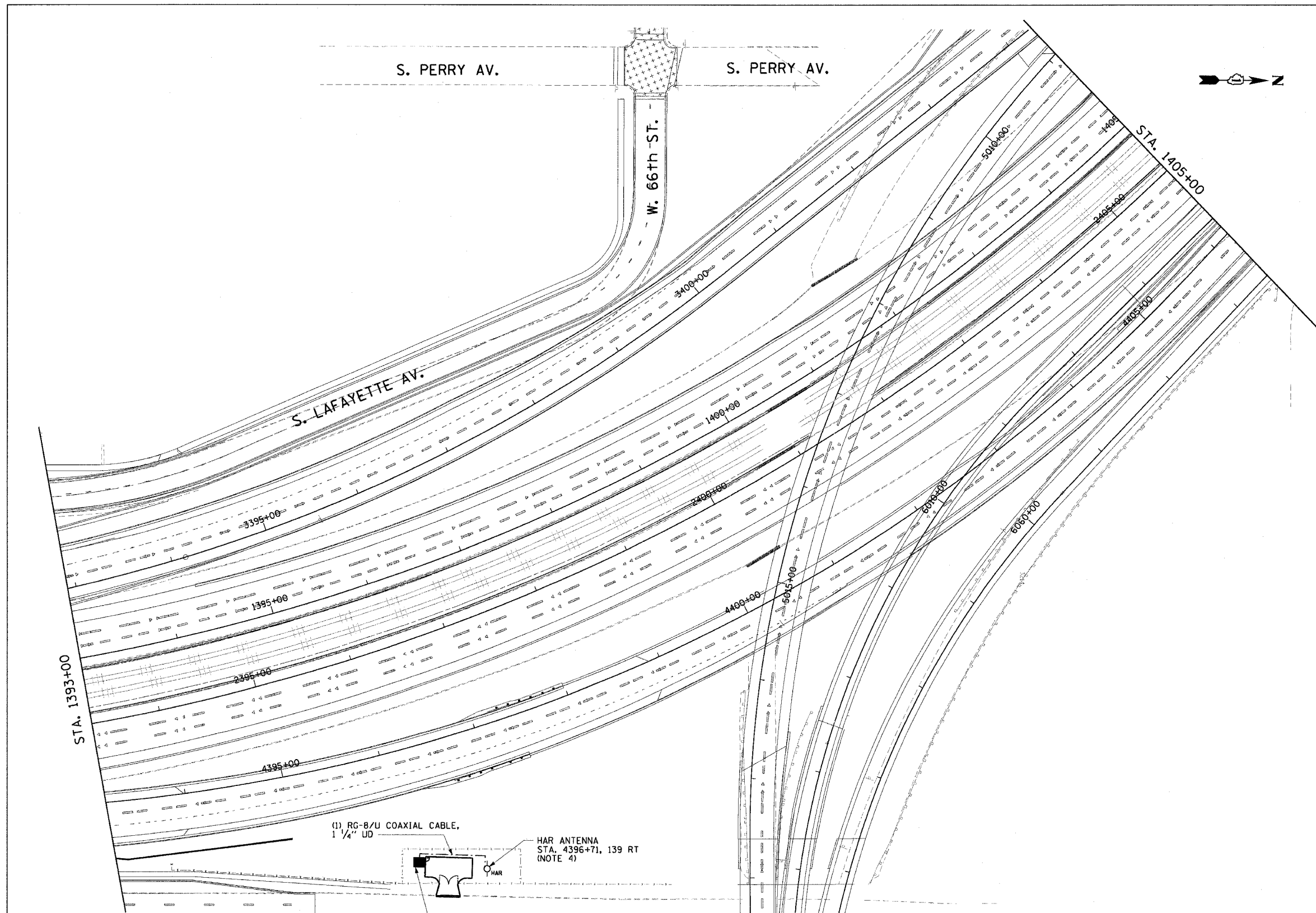
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	708
STA. 1524+37	TO STA. 1537+62			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

62583

NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- ALL ELECTRONICS ASSOCIATED WITH THE HAR MUST BE INSTALLED IN THE COMMUNICATIONS SHELTER. SEE DRAWING DT-20 FOR EQUIPMENT LAYOUT.
- SEE DRAWING DT-19 FOR HAR ANTENNA AND GROUND SYSTEM INSTALLATION DETAILS.
- COORDINATE INSTALLATION OF ALL ITEMS SHOWN ON THIS SHEET WITH CONTRACT NUMBER 62590. ALL EQUIPMENT ON THIS SHEET SHOULD BE INSTALLED TO COINCIDE WITH THE COMPLETION OF THE NETWORK CONNECTIONS WITHIN THE COMMUNICATIONS SHELTER.



HAR-02

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 HIGHWAY ADVISORY RADIO
 NB MARQUETTE RD. SITE LAYOUT
 ANTENNA HAR-02
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: HAR
 CHECKED BY: BMW

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

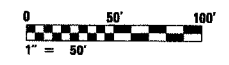
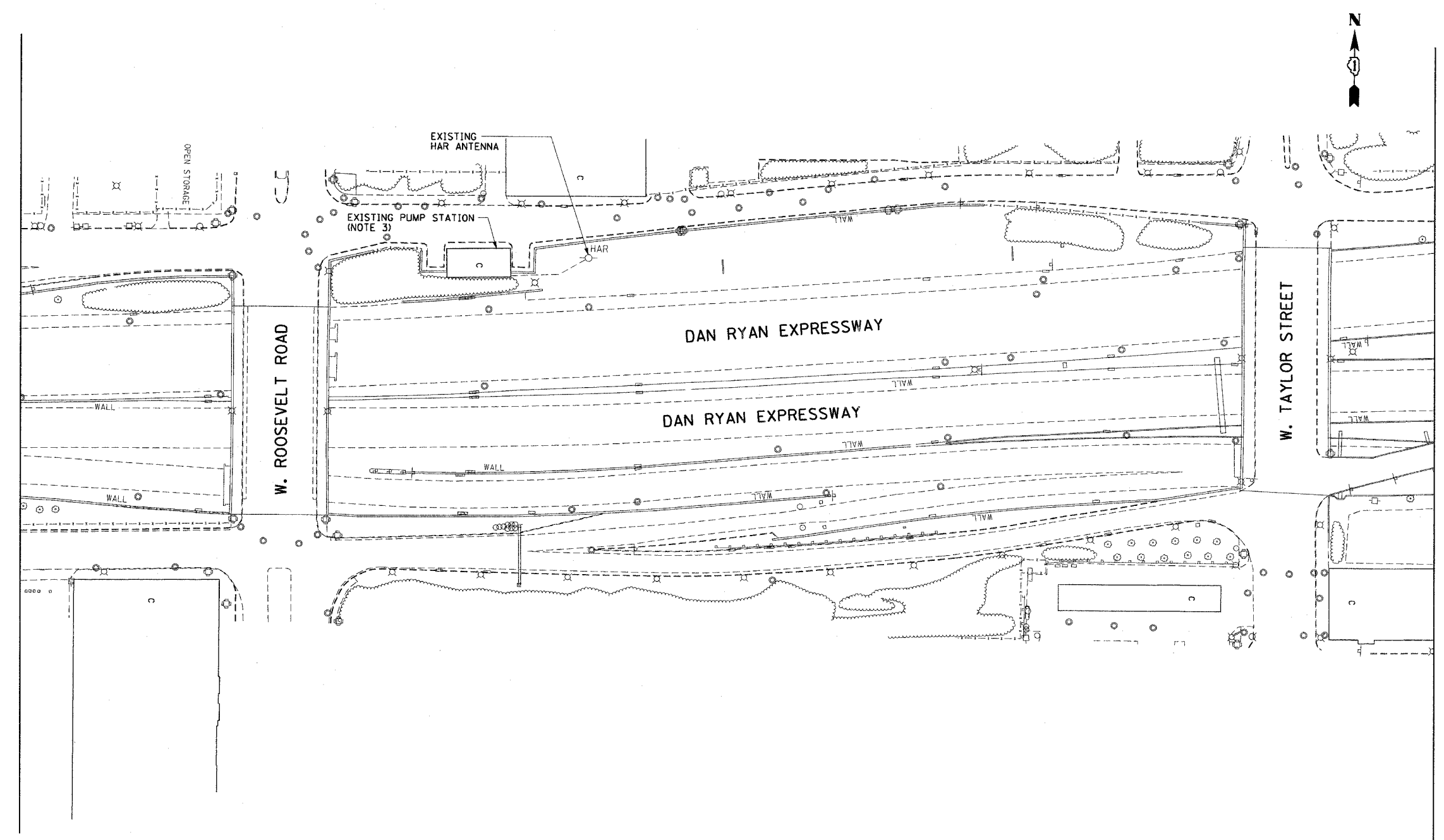
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	709
STA. 1524+37	TO STA. 1537+62			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62583

NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- EXISTING HAR COMMUNICATION IS VIA A DEDICATED LEASED LINE CONNECTION. CONTRACTOR MUST DISCONNECT THE LEASED LINE AND CONNECT THE SYSTEM TO THE FIBER OPTIC TRANSCEIVER ONCE THE FIBER OPTIC CABLES AND SKYWAY HAR HAVE BEEN INSTALLED. SEE DRAWING DT-20 FOR EXISTING EQUIPMENT RACK INSTALLED IN PUMP STATION. CONTRACTOR MUST INSTALL ONLY THE FIBER OPTIC AUDIO TRANSMITTER IN THE EXISTING RACK.



HAR-03

REVISIONS	
NAME	DATE

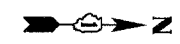
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 HIGHWAY ADVISORY RADIO
 ROOSEVELT RD. SITE LAYOUT
 ANTENNA HAR-03
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: BHP
 CHECKED BY: BMW

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

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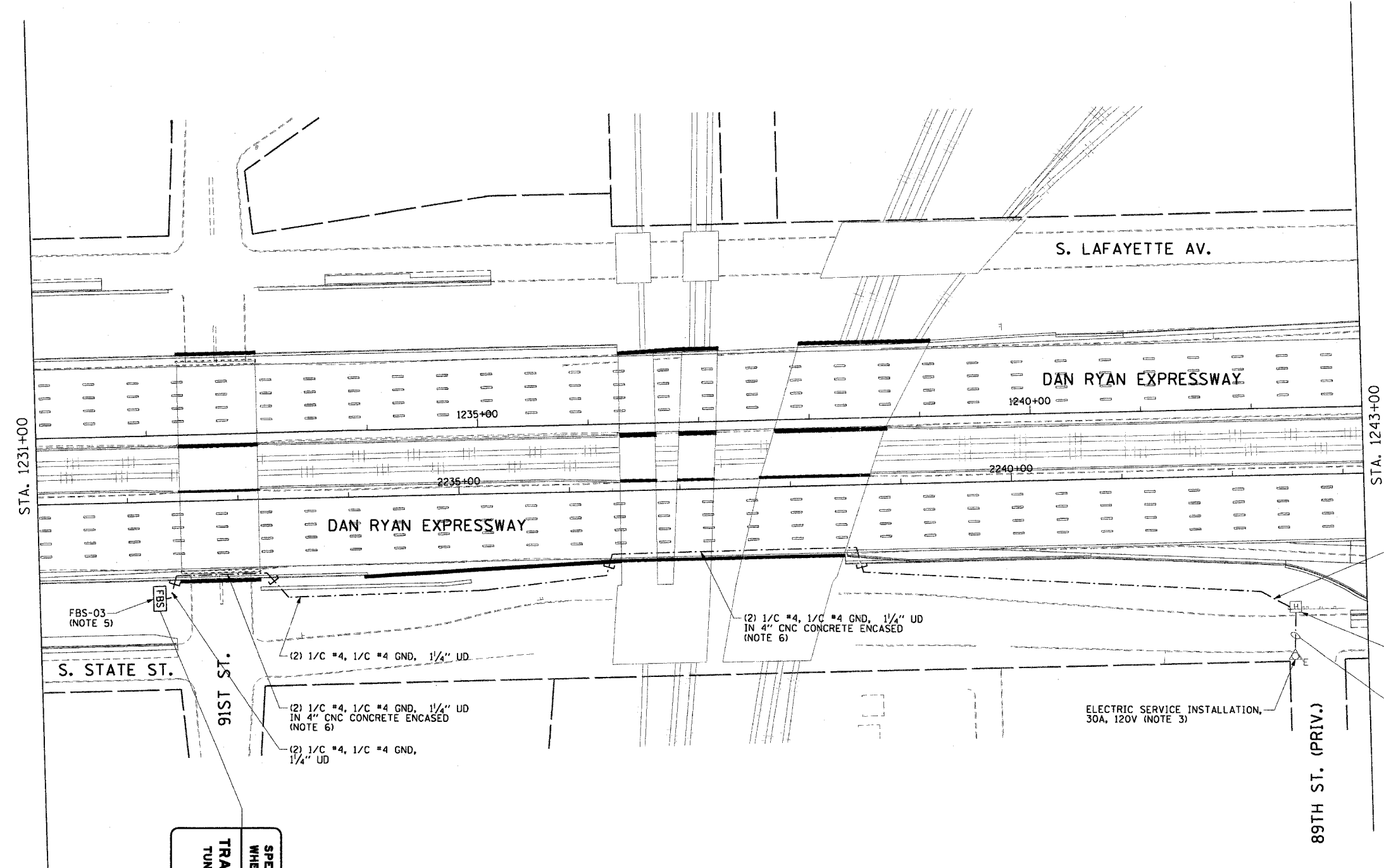
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	710
STA. 1239+00.00		TO STA. 1251+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

62583



NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- HANDHOLE AS SHOWN ON DRAWING DET-12.
- NEW ELECTRIC SERVICE INSTALLATION ON EXISTING UTILITY POLE. SEE DRAWING ESD-02 FOR ELECTRIC SERVICE INSTALLATION DETAILS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- FLASHING BEACON SIGN TO BE GROUND MOUNTED AT STATION NUMBER 2232+35. BORT SEE DRAWING DT-21 FOR SIGN PANEL DETAILS. SEE DRAWING DT-22 FOR SIGN ASSEMBLY DETAILS.
- NOTED CONDUITS ARE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT. ALL CABLES AND UD ARE TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- COORDINATE INSTALLATION OF ALL ITEMS SHOWN ON THIS SHEET WITH CONTRACT NUMBERS 62592 AND 62694.



FBS-03
(NOTE 5)

S. STATE ST.

91ST ST.

(2) 1/C #4, 1/C #4 GND, 1/4" UD.

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 4" CNC CONCRETE ENCASED (NOTE 6)

(2) 1/C #4, 1/C #4 GND, 1/4" UD

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 4" CNC CONCRETE ENCASED (NOTE 6)

ELECTRIC SERVICE INSTALLATION, 30A, 120V (NOTE 3)

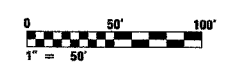
(2) 1/C #4, 1/C #4 GND, 1/4" UD

HH 1206, TYPE S1 (NOTE 2)

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 2" RGC, PUSHED

89TH ST. (PRIV.)

SPECIAL ALERT
WHEN FLASHING
TRAFFIC INFO
TUNE RADIO TO
1670



HAR-04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

HIGHWAY ADVISORY RADIO
NB 91ST ST. SITE LAYOUT
SIGN FBS-03

SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: HAR
CHECKED BY: BMW



10/15/2004 08:45:00 AM

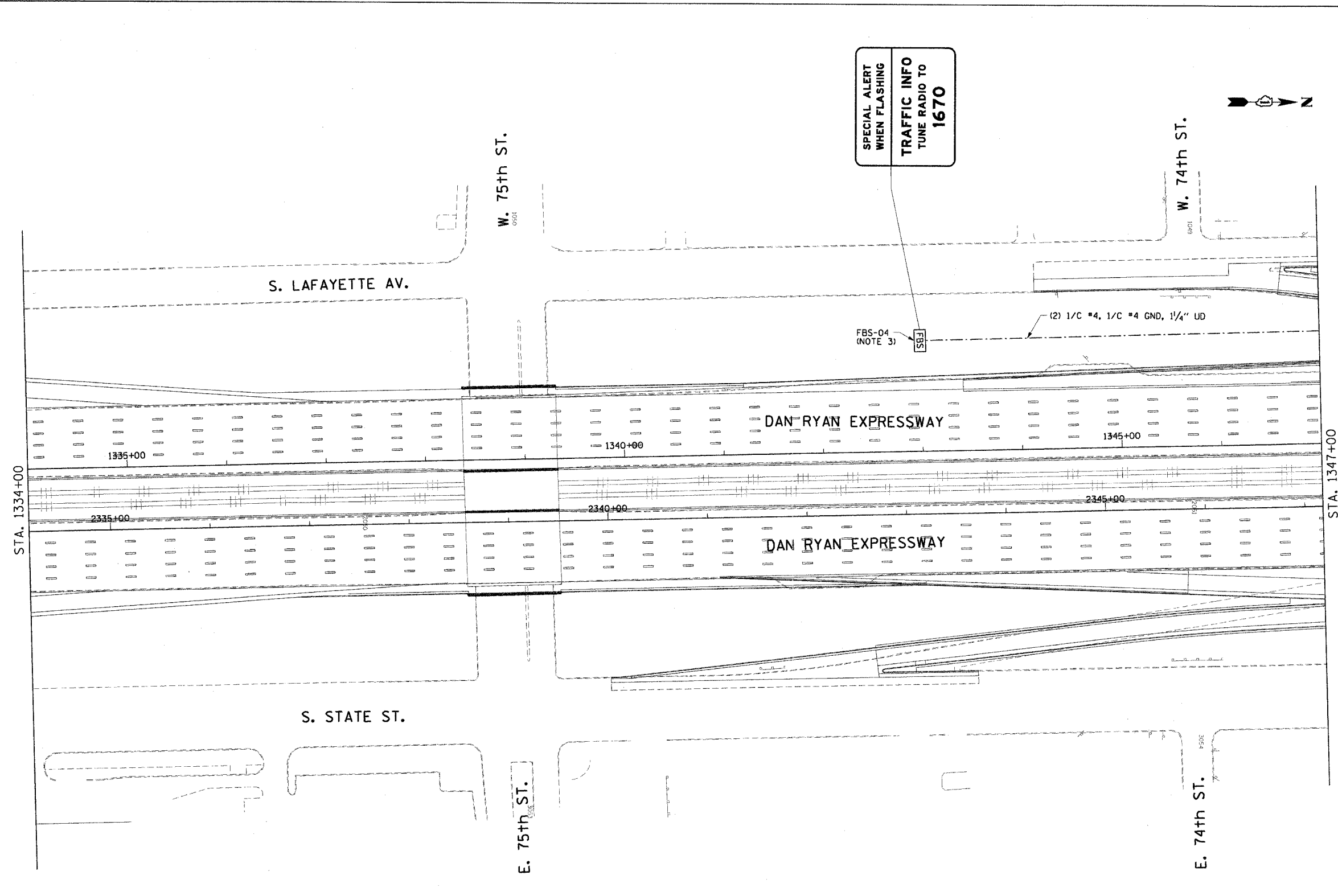
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	711
STA. 1334+00.00		TO STA. 1347+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

62583

NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- FLASHING BEACON SIGN TO BE GROUND MOUNTED AT STATION NUMBER 1343+00, 105LT. SEE DRAWING DT-21 FOR SIGN PANEL DETAILS. SEE DRAWING DT-22 FOR SIGN ASSEMBLY DETAILS.
- COORDINATE INSTALLATION OF ALL ITEMS SHOWN ON THIS SHEET WITH CONTRACT NUMBERS 62593 AND 62695.

SPECIAL ALERT WHEN FLASHING
TRAFFIC INFO TUNE RADIO TO 1670



HAR-05

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

HIGHWAY ADVISORY RADIO
SB 75TH ST. SITE LAYOUT
SIGN FBS-04 (SHEET 1 OF 2)

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: HAR
CHECKED BY: BMW

CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5210, PHONE: (312) 938-0300

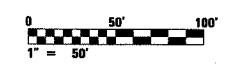
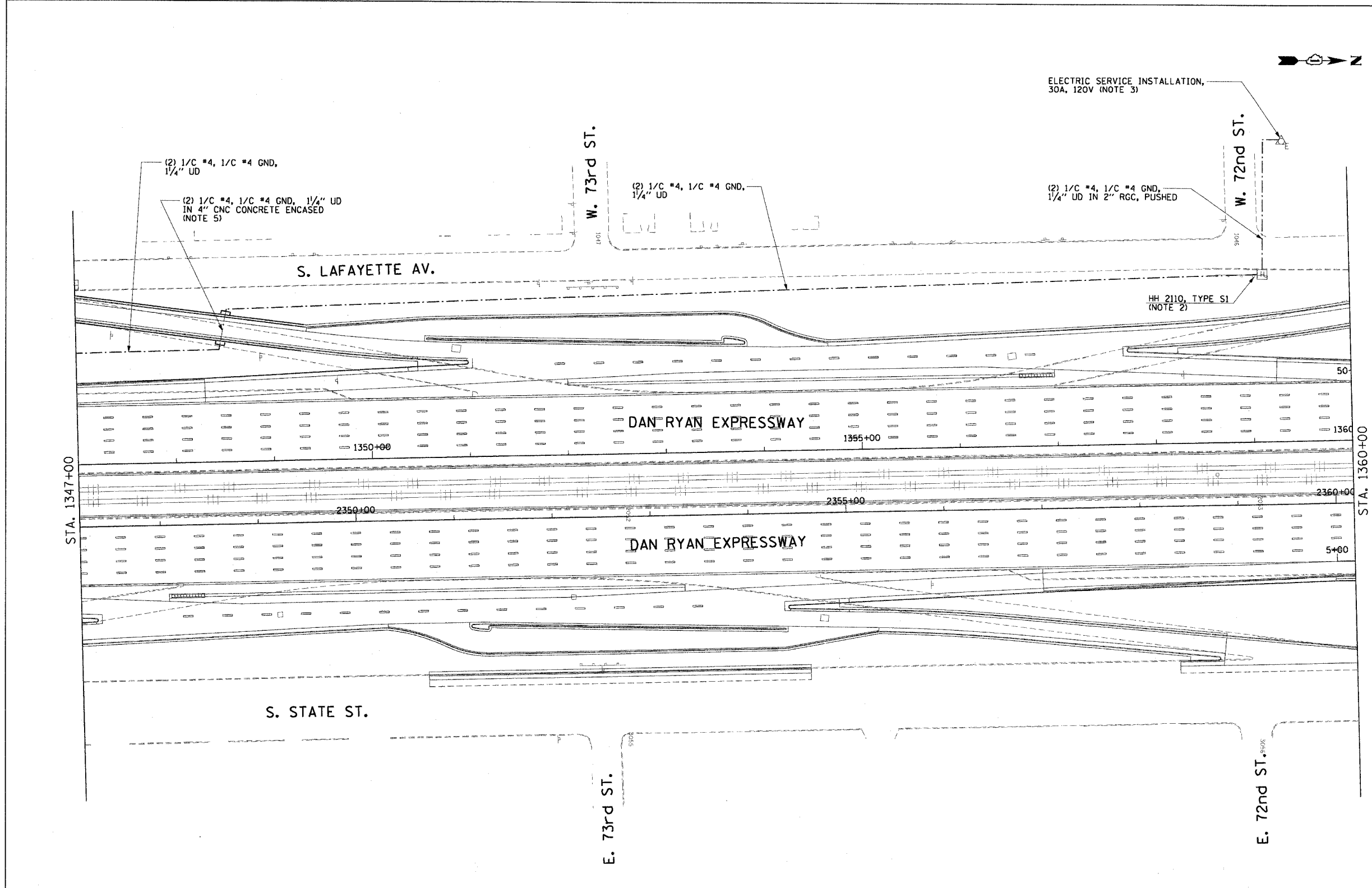
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	712
STA. 1347+00.00		TO STA. 1360+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

62583

NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- HANDHOLE AS SHOWN ON DRAWING DET-21.
- NEW ELECTRIC SERVICE INSTALLATION ON EXISTING UTILITY POLE. SEE DRAWING ESD-02 FOR ELECTRIC SERVICE INSTALLATION DETAILS.
- SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
- NOTED CONDUITS ARE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT. ALL CABLES AND UD ARE TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- COORDINATE INSTALLATION OF ALL ITEMS SHOWN ON THIS SHEET WITH CONTRACT NUMBERS 62593 AND 62695.



HAR-06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 HIGHWAY ADVISORY RADIO
 SB 75TH ST. SITE LAYOUT
 SIGN FBS-04 (SHEET 2 OF 2)
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: HAR
 CHECKED BY: BMW

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

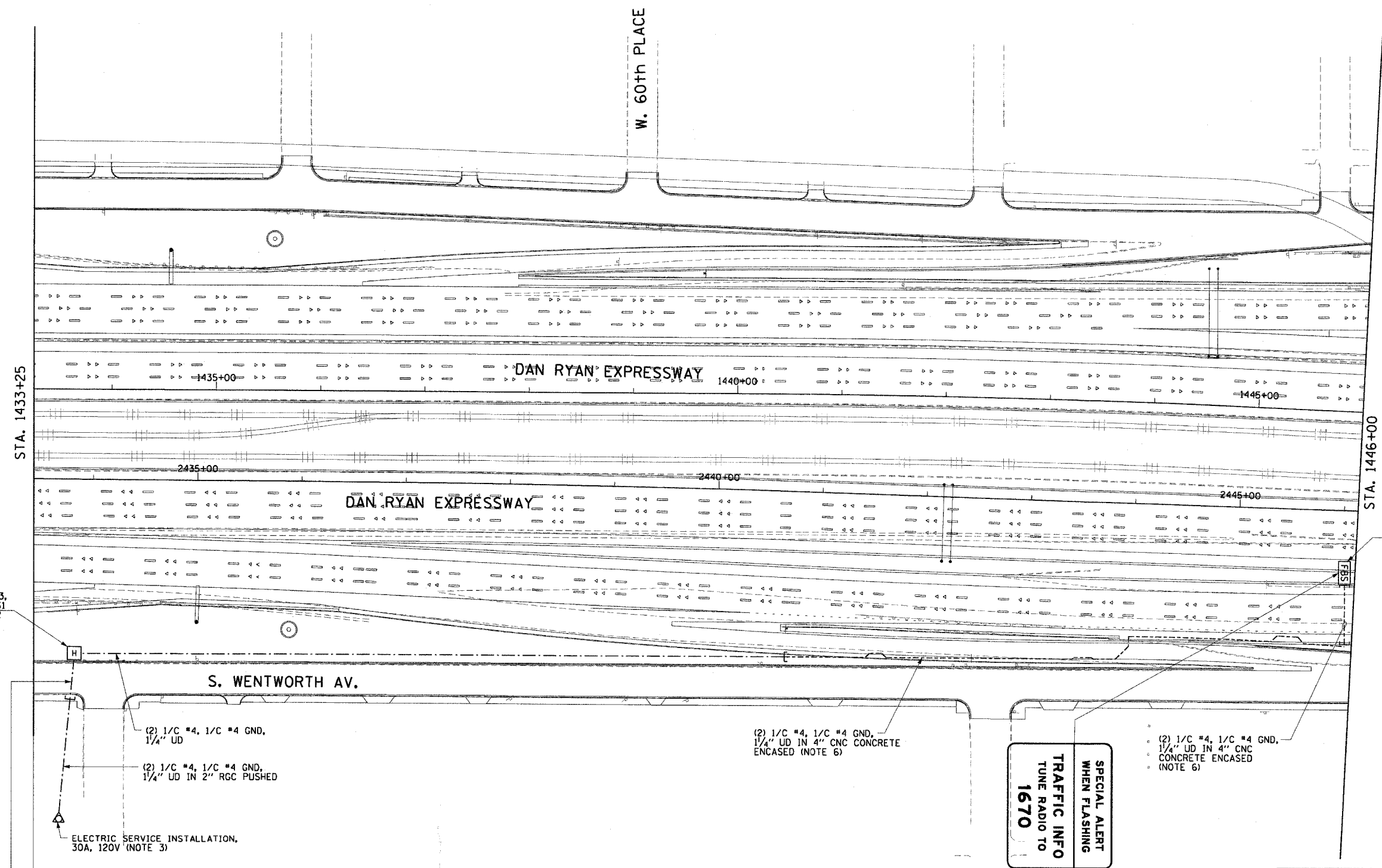
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	713
STA. 1438+00.00		TO STA. 1450+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

62583

NOTES:

1. SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. HANDHOLE AS SHOWN ON DRAWING DET-29.
3. NEW ELECTRIC SERVICE INSTALLATION ON NEW UTILITY POLE. SEE DRAWING ESD-02 FOR ELECTRIC SERVICE INSTALLATION DETAILS.
4. SEE DRAWING DT-18 FOR HAR SYSTEM DIAGRAM.
5. FLASHING BEACON SIGN TO BE GROUND MOUNTED IN BETWEEN THE MEDIAN BARRIER WALLS AT STATION NUMBER 2246+00. SEE DRAWING DT-21 FOR SIGN PANEL DETAILS. SEE DRAWING DT-22 FOR SIGN ASSEMBLY DETAILS.
6. NOTED CONDUITS ARE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT. ALL CABLES AND UD ARE TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
7. COORDINATE INSTALLATION OF ALL ITEMS SHOWN ON THIS SHEET WITH CONTRACT NUMBERS 62301 AND 62693.



HH 2913, TYPE S1, NOTE 2

(2) 1/C #4, 1/C #4 GND, 1/4" UD

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 2" RGC PUSHED

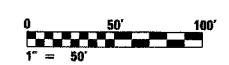
ELECTRIC SERVICE INSTALLATION, 30A, 120V (NOTE 3)

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 2" RGC (NOTE 6)

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 4" CNC CONCRETE ENCASED (NOTE 6)

(2) 1/C #4, 1/C #4 GND, 1/4" UD IN 4" CNC CONCRETE ENCASED (NOTE 6)

SPECIAL ALERT WHEN FLASHING TRAFFIC INFO TUNE RADIO TO 1670



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 HIGHWAY ADVISORY RADIO
 NB 59TH PL. SITE LAYOUT
 SIGN FBS-05
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: HAR
 CHECKED BY: BMW

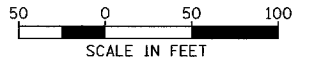
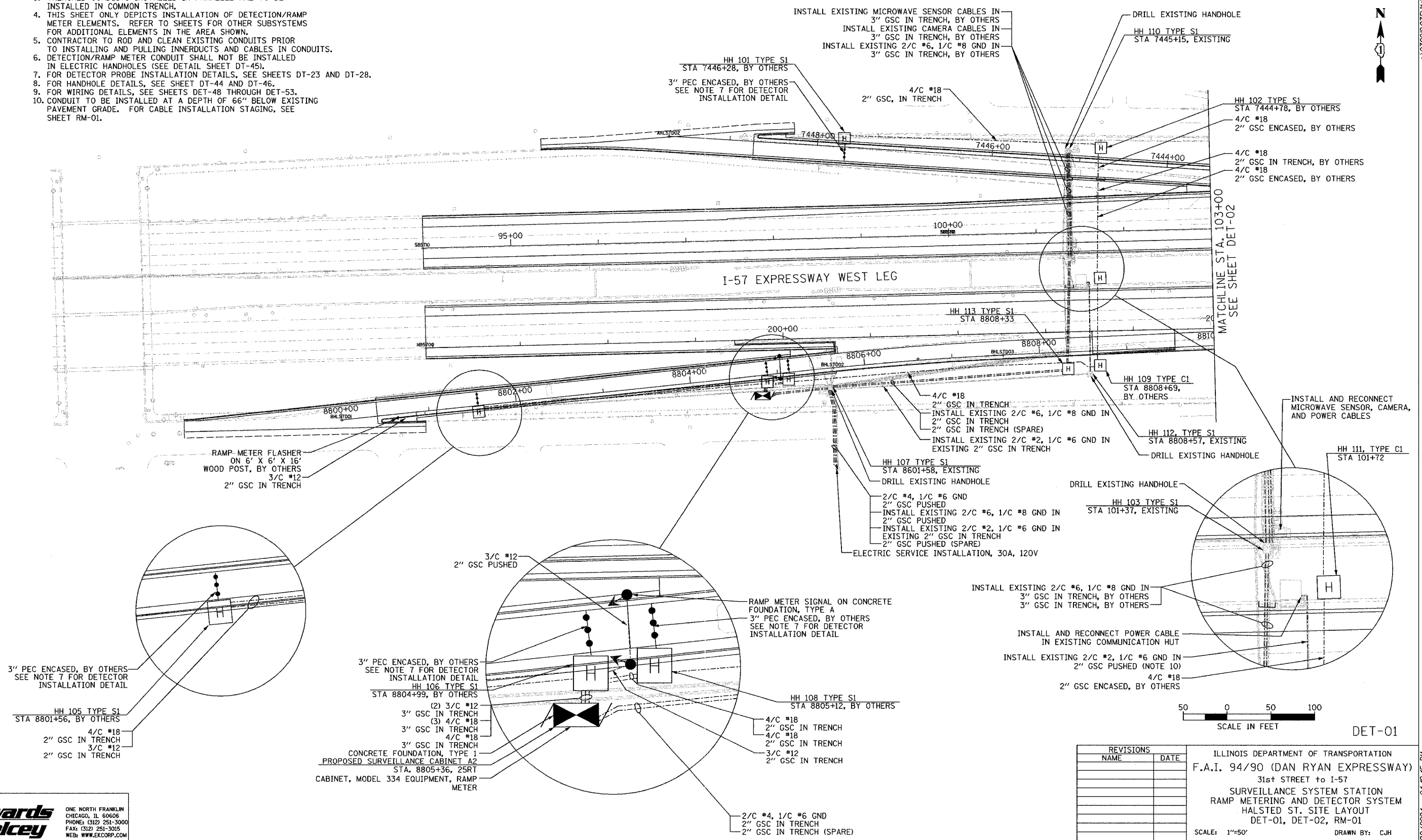
CTE ENGINEERS
 CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
 303 EAST WACKER DRIVE, SUITE 600
 CHICAGO ILLINOIS 60601-5202, PHONE: (312) 938-0300

10/15/2004 08:45:05 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	714
STA. 103+00.00	TO STA. 103+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	

NOTES:

- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
- UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
- THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
- CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
- DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
- FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
- FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
- CONDUIT TO BE INSTALLED AT A DEPTH OF 66" BELOW EXISTING PAVEMENT GRADE. FOR CABLE INSTALLATION STAGING, SEE SHEET RM-01.



DET-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 HALSTED ST. SITE LAYOUT
 DET-01, DET-02, RM-01

SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

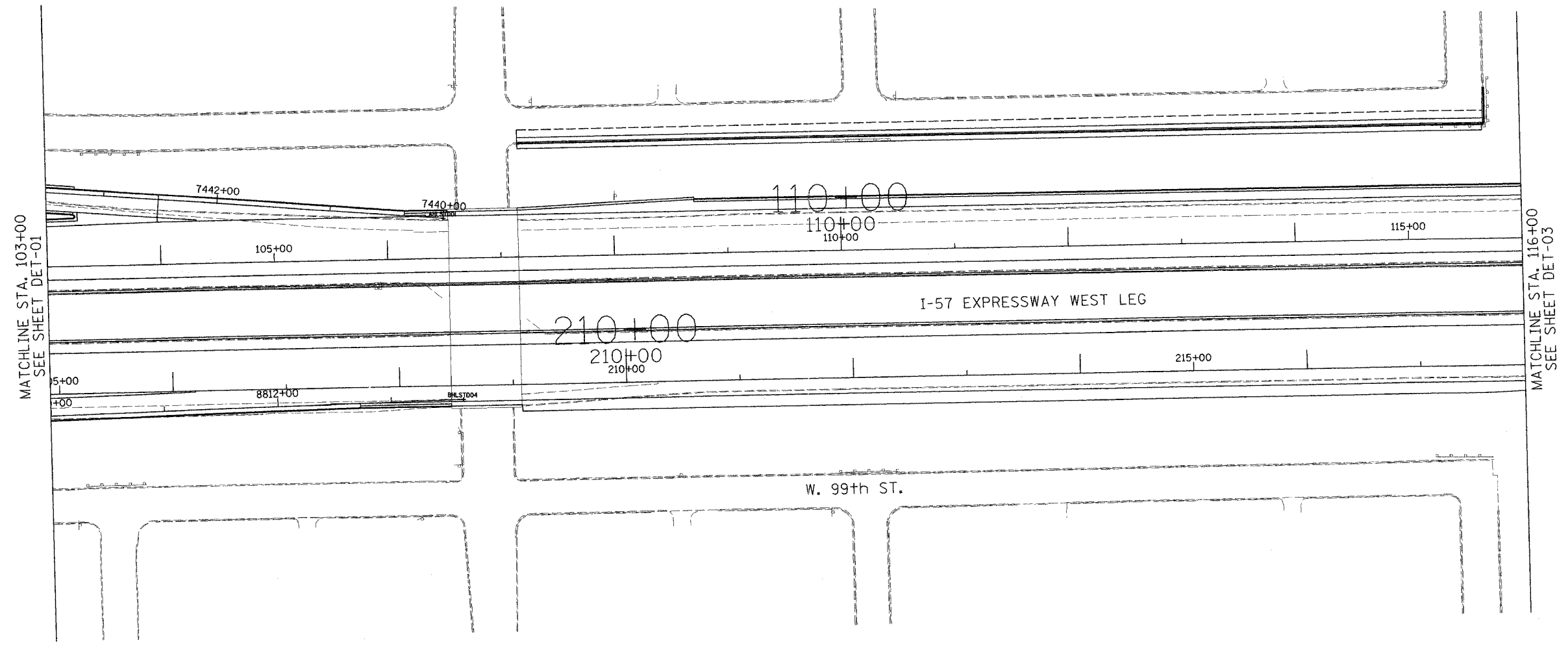
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

11/22/2004 04:49:45 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90 2003-031I	COOK	976	715
STA. 103+00.00 TO STA. 116+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

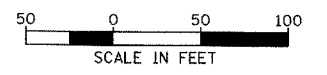


NO PROPOSED WORK ON THIS SHEET



MATCHLINE STA. 103+00
SEE SHEET DET-01

MATCHLINE STA. 116+00
SEE SHEET DET-03



DET-02

**Edwards
AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKCORP.COM

REVISIONS	
NAME	DATE

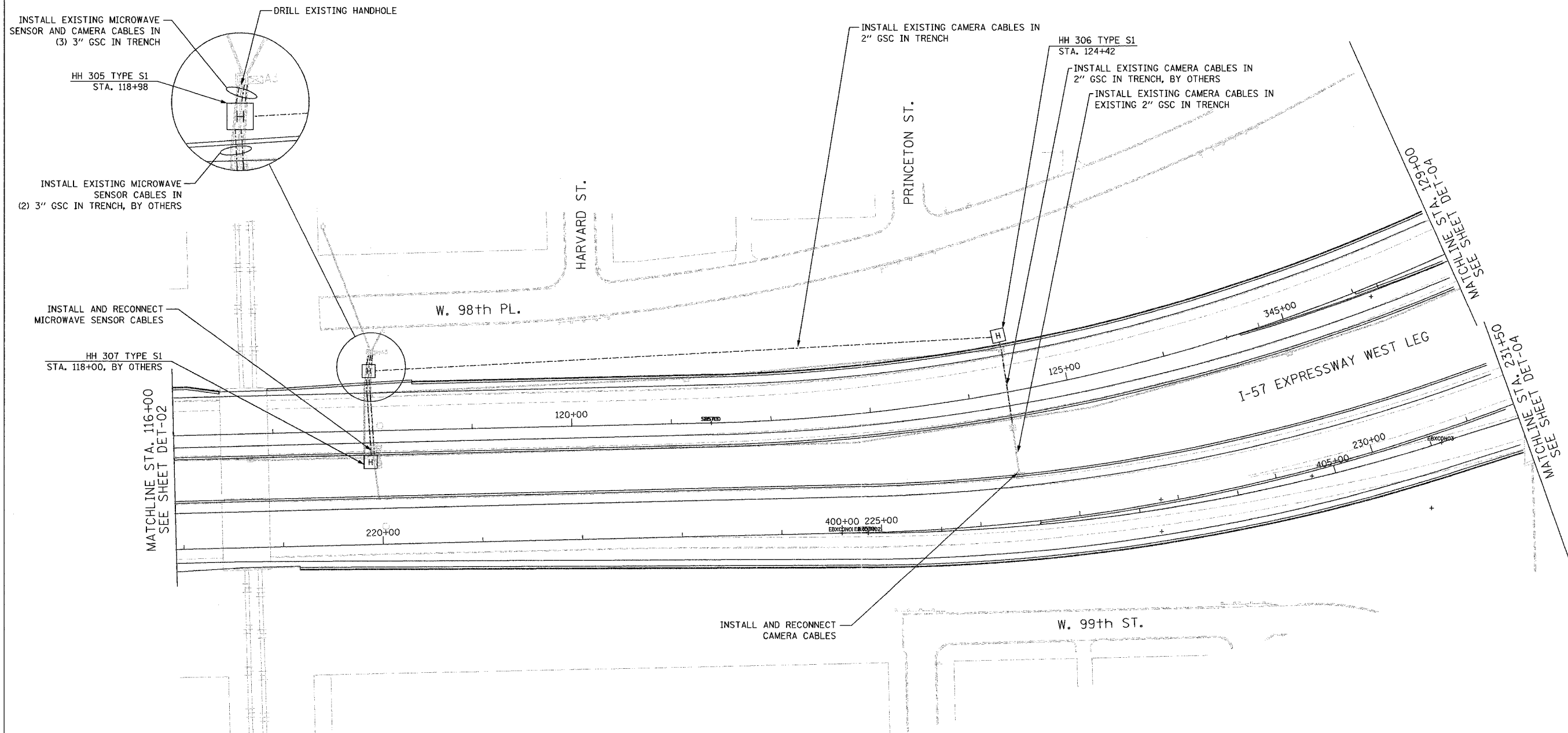
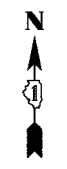
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM

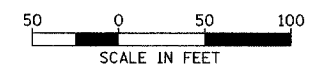
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CHECKED BY: MJL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0311	COOK	976	716
STA. 116+00.00		TO STA. 129+00/231+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62583				



- NOTES:**
1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 3. TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 4. THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 5. CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 6. DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 7. FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-03

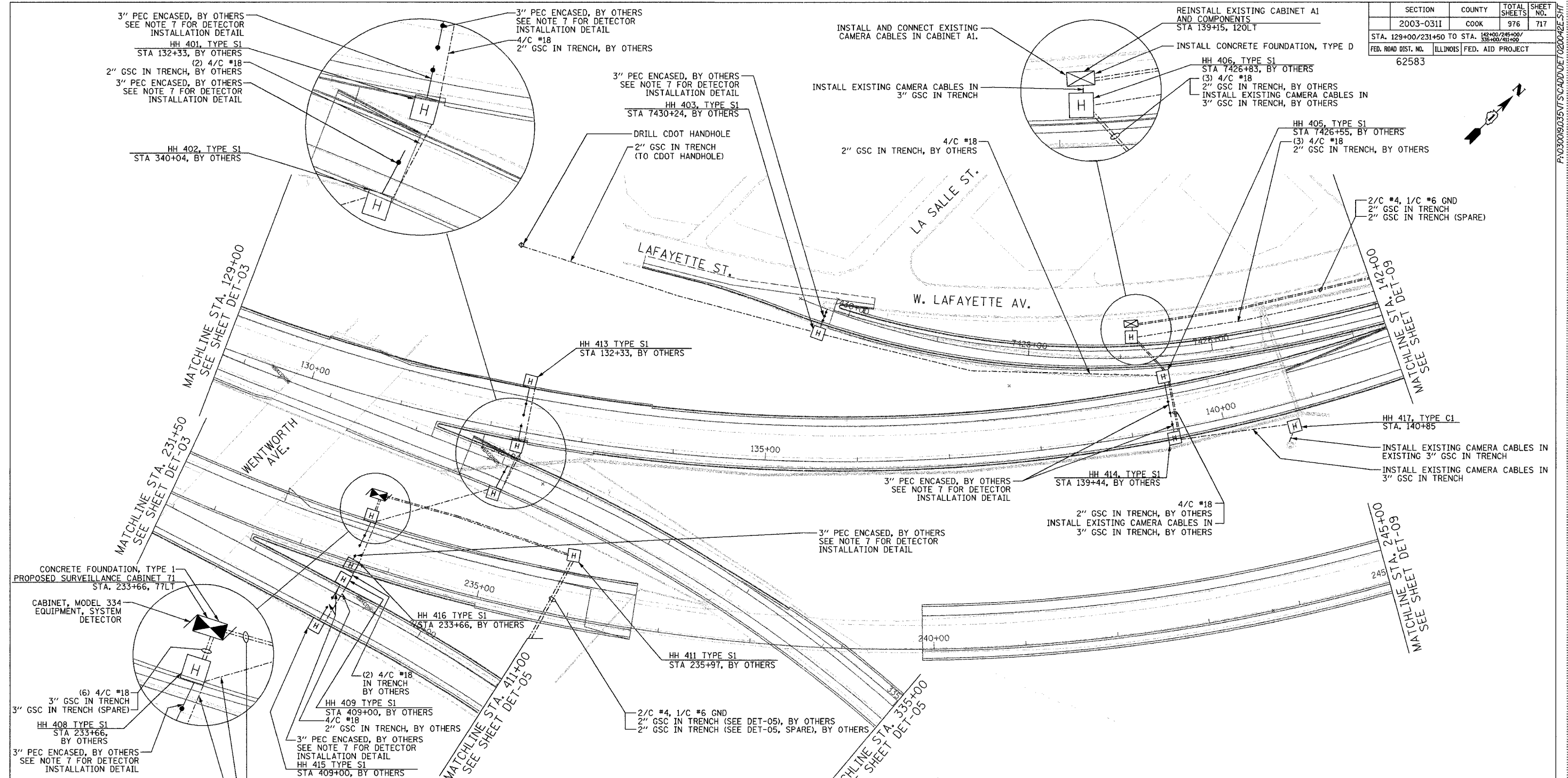
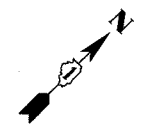
**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

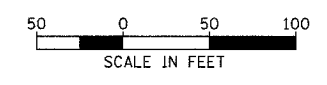
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
C & WI RR SITE LAYOUT
SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: CJH
CHECKED BY: MJL

P:\03000\94035\116-00-00\116-00-00-03.dwg 11/22/2004 04:50:04 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	717
STA. 129+00/231+50 TO STA. 142+00/245+00/335+00/411+00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.



DET-04

**Edwards
AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

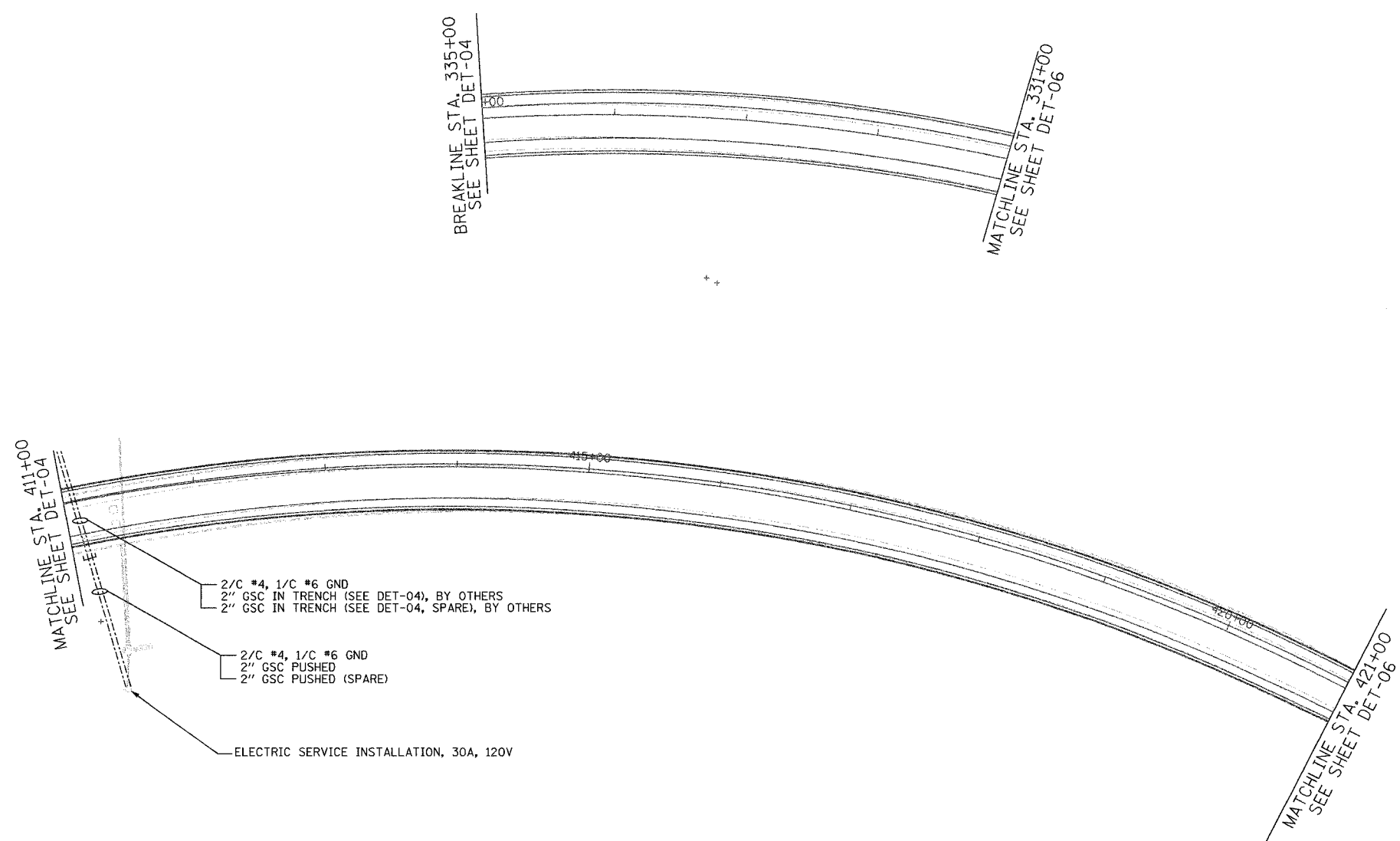
REVISIONS		NAME	DATE
NO.	DESCRIPTION		

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
WENTWORTH AVE. SITE LAYOUT
DET-05, DET-06 SHEET 1 OF 2

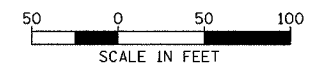
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-03II	COOK	976	718
STA. 335+00/411+00 TO STA. 330+50/421+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 7. FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-05

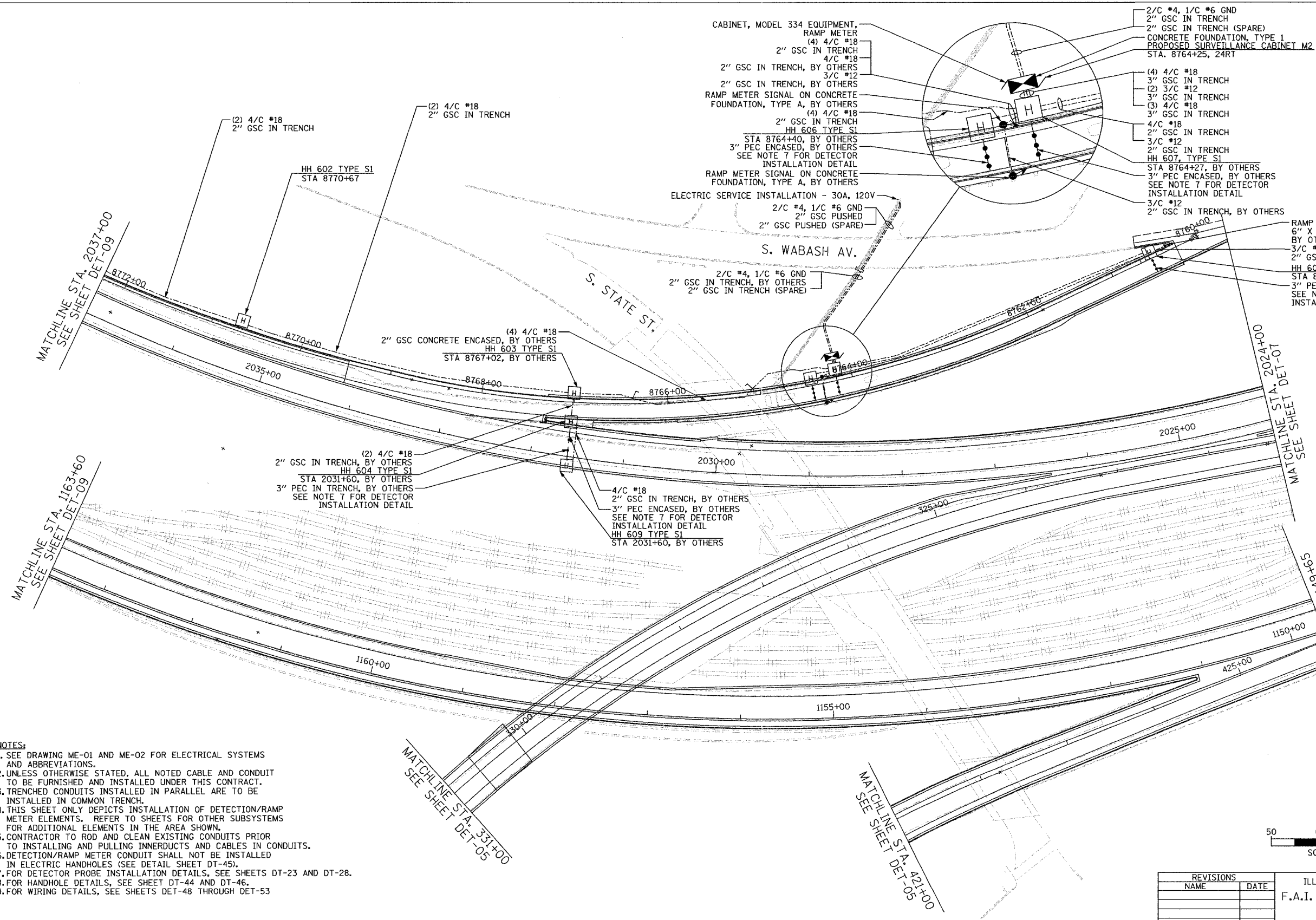
**Edwards
AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

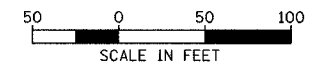
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
WENTWORTH AVE. SITE LAYOUT
DET-05 SHEET 2 OF 2
SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: CJH
CHECKED BY: MJL

11/22/2004 04:50:31 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	719
STA. 1163+50/2037+00		TO STA. 426+00/2024+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



- NOTES:
1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 6. DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 7. FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



REVISIONS	
NAME	DATE

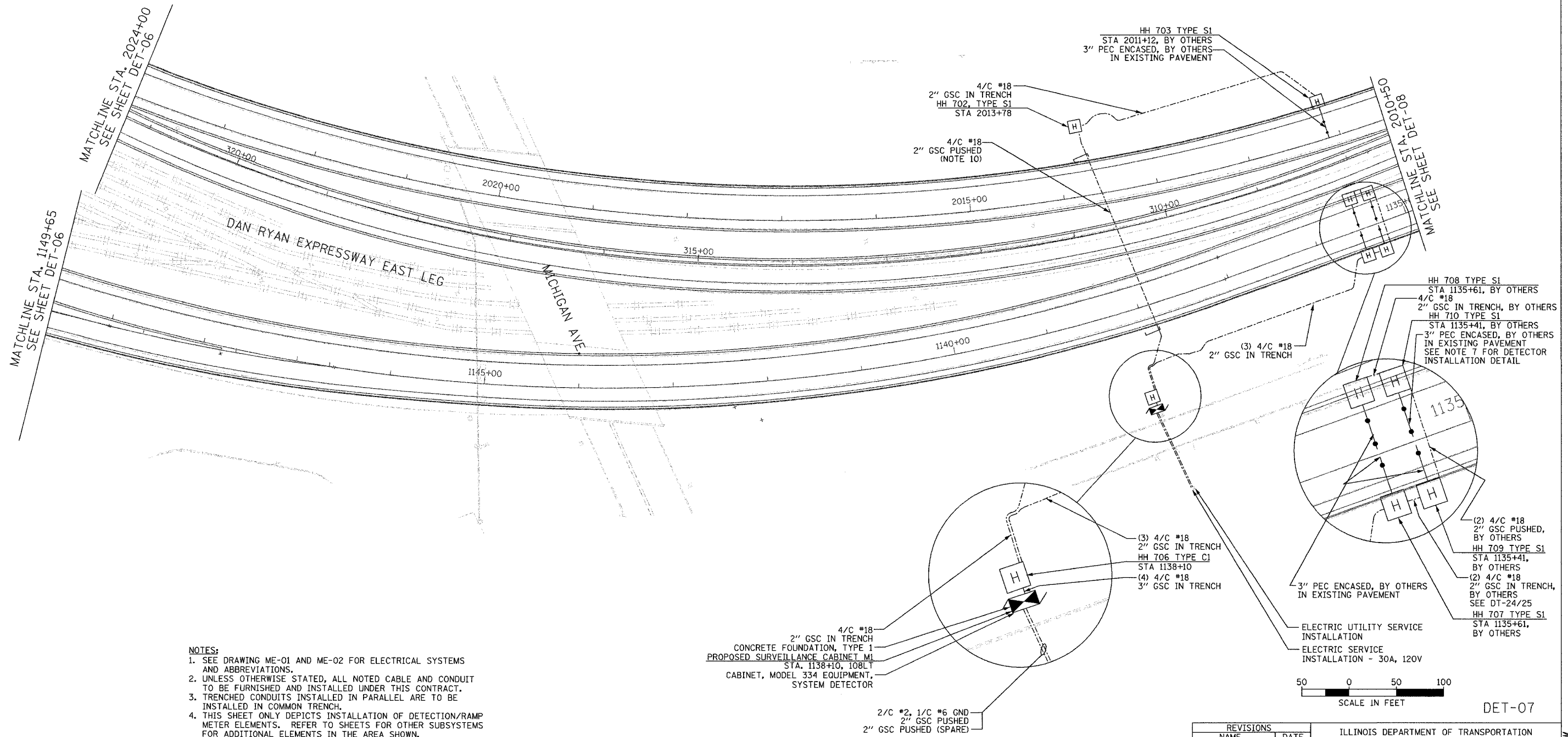
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 STATE ST. SITE LAYOUT
 DET-08, RM-02

SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

**Edwards
 AND
 Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

11/22/2004 04:50:45 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	720
STA. 426+00/2024+00 TO STA. 2011+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 - CONDUIT TO BE INSTALLED AT A DEPTH OF 66" BELOW EXISTING PAVEMENT GRADE.

**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
MICHIGAN ST. SITE LAYOUT
DET-03, DET-04

SCALE: 1"=50'
DATE: October 29, 2004

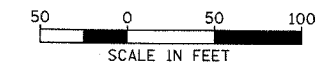
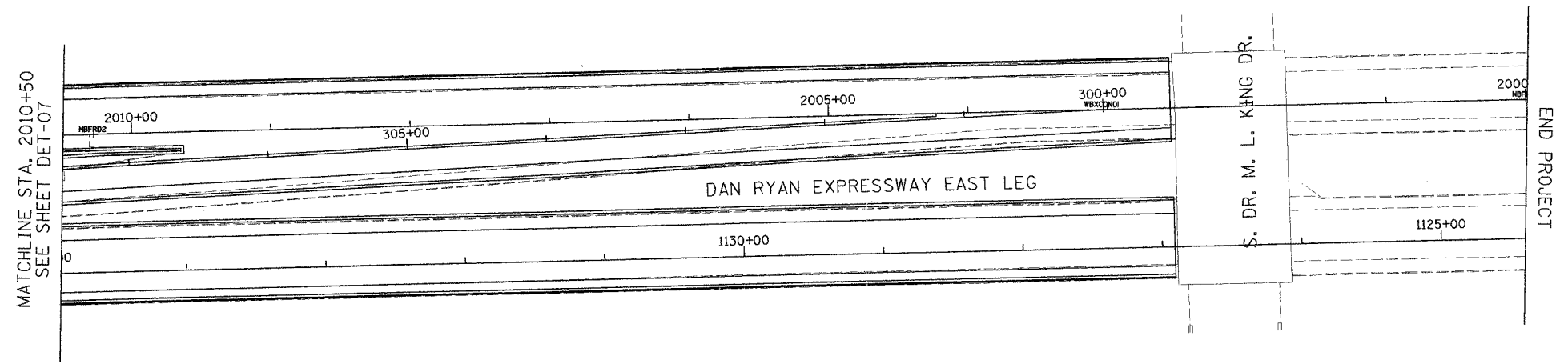
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	721
STA. 2011+00 TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



NO PROPOSED WORK ON THIS SHEET



DET-08

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 DETECTOR SYSTEM
 MICHIGAN ST. SITE LAYOUT

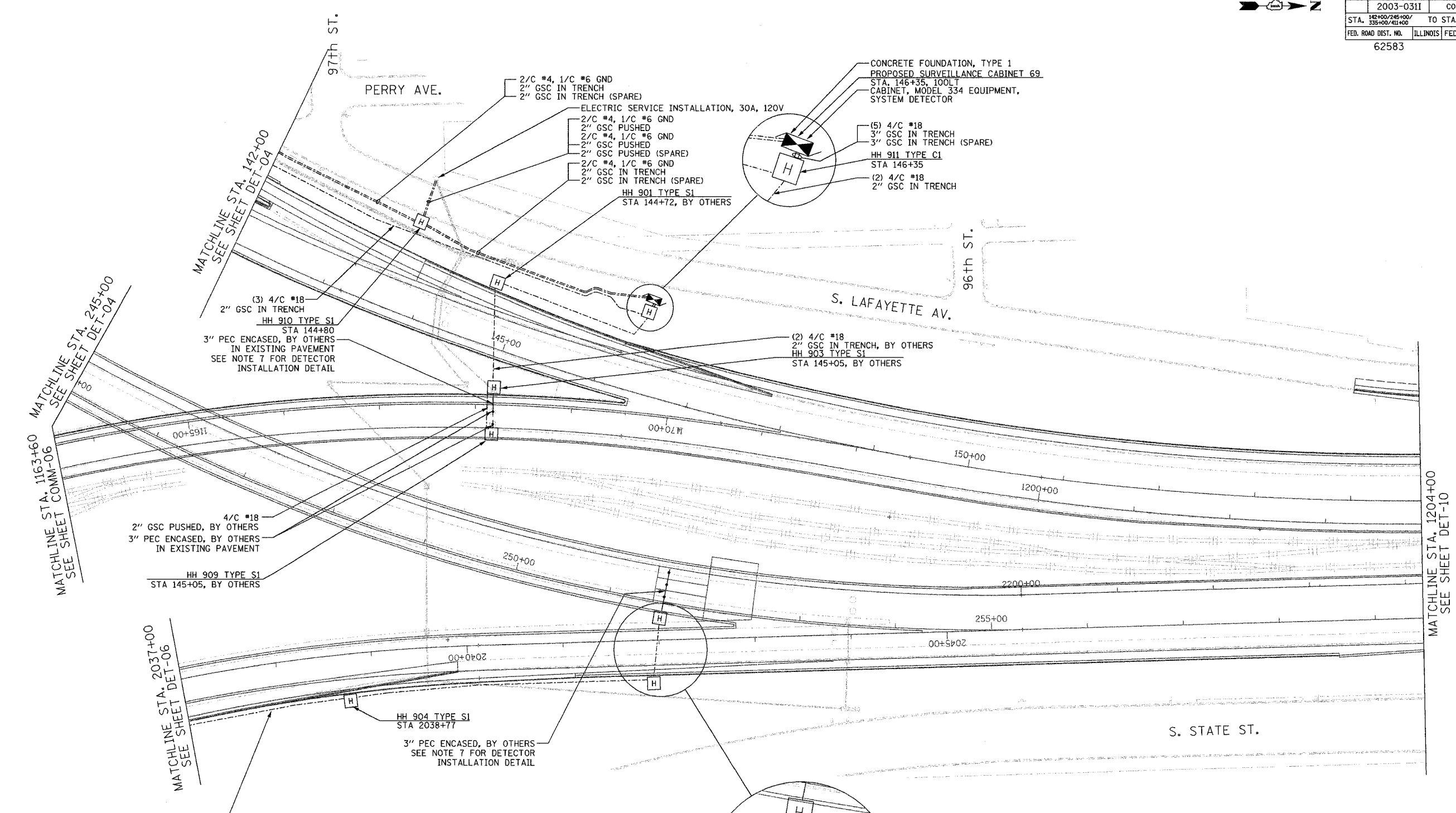
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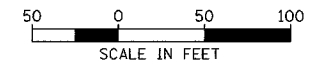
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	722
STA. 142+00/245+00/ 335+00/411+00	TO STA. 1204+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-09

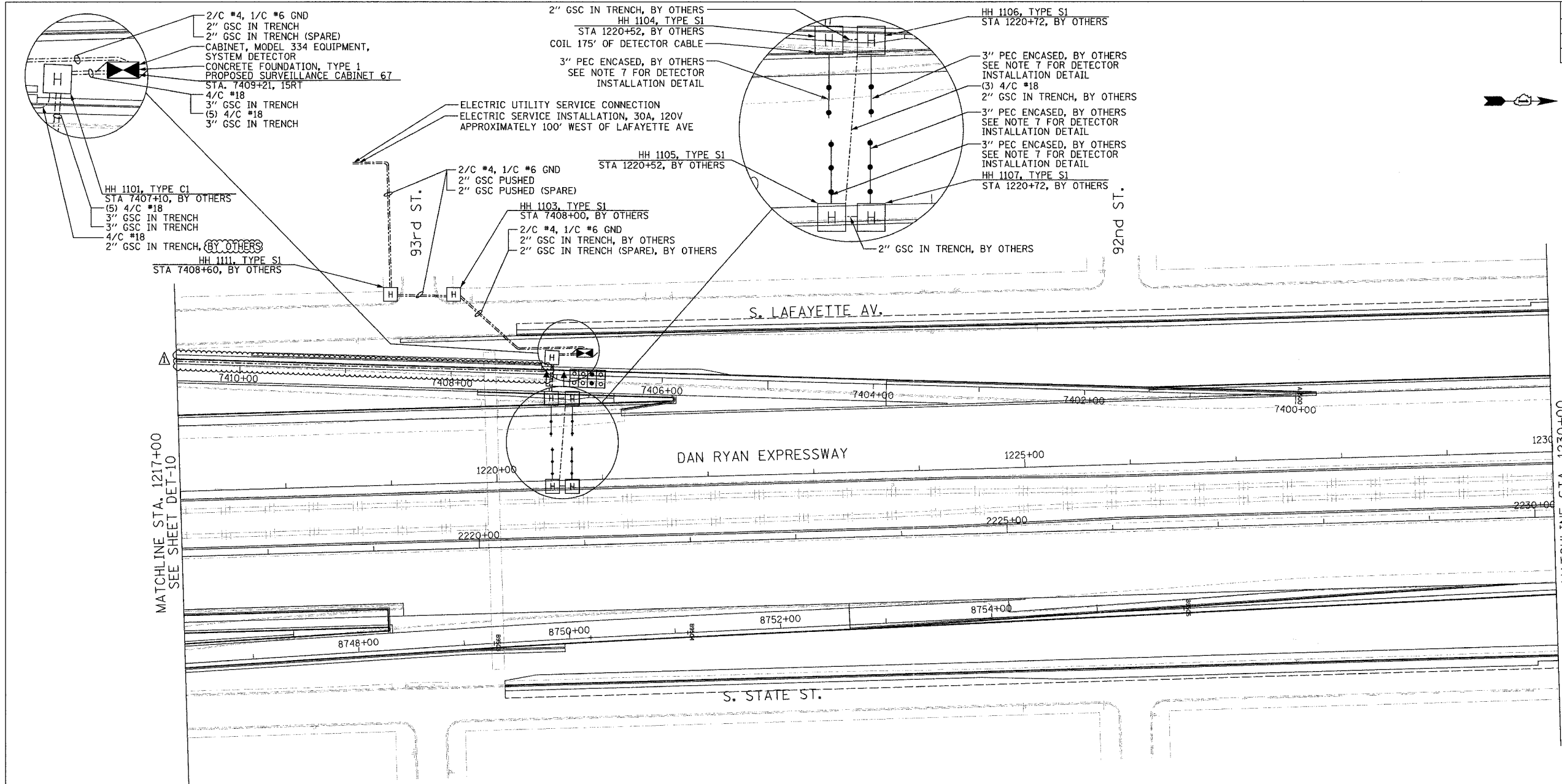
**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 DETECTOR SYSTEM
 97TH ST. SITE LAYOUT
 DET-06 (2 of 2), DET-07, DET-08
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

17/22/2004 04:51:21 PM P:\0300\0305\15\cadd\det09\DET09.DWG

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	724
STA. 1217+00	TO STA. 1230+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

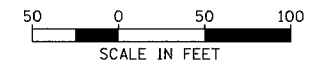


MATCHLINE STA. 1217+00
SEE SHEET DET-10

MATCHLINE STA. 1230+00
SEE SHEET DET-12

- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.

**Edwards
AND Kelcey**
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REVISIONS	
NAME	DATE
REVISION 1	12/17/04

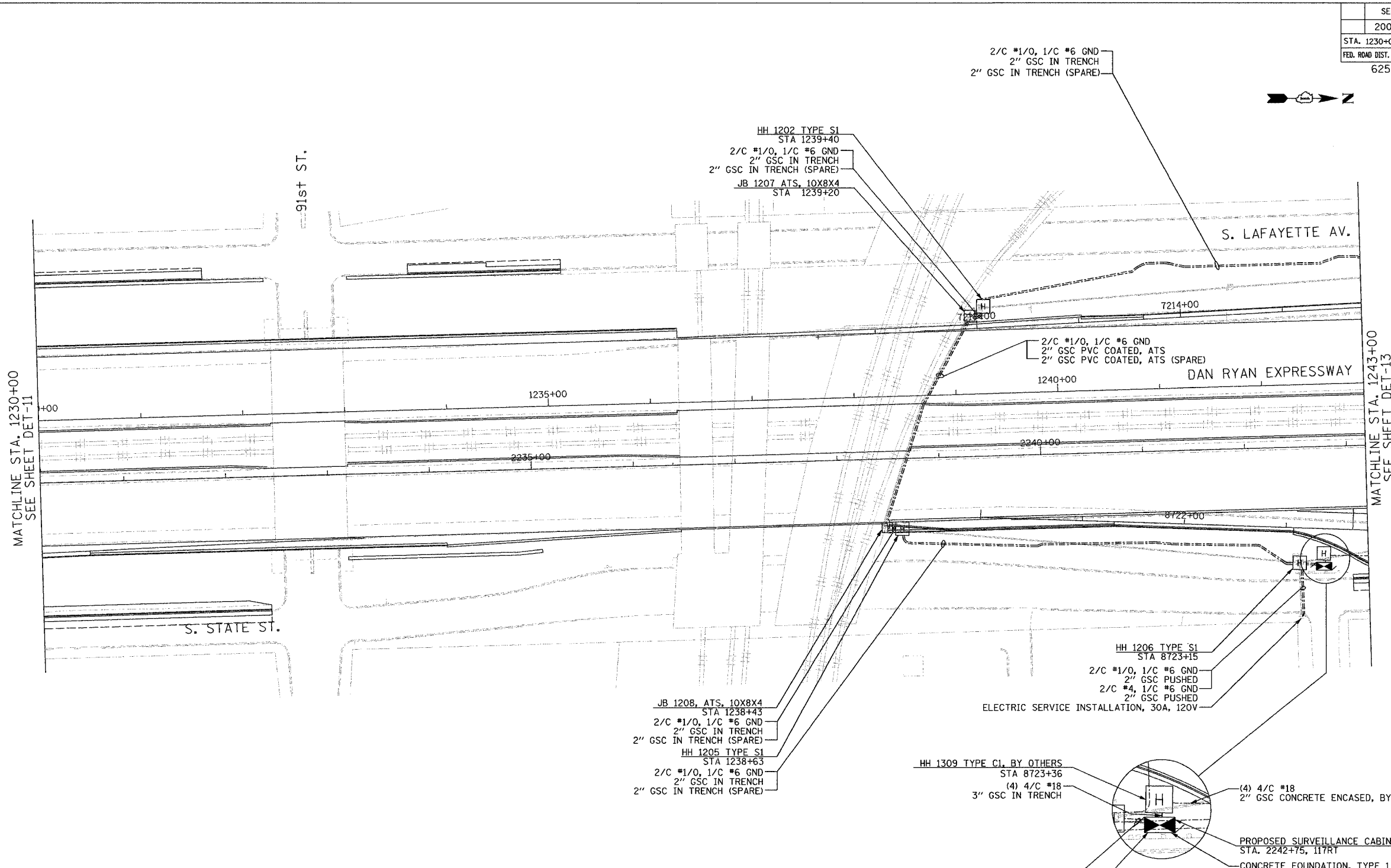
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
95TH ST. SITE LAYOUT
DET-10

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	725
STA. 1230+00	TO STA. 1243+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53
 - ATTACHED JUNCTION BOX / CONDUIT TO REPLACE EXISTING INSTALLATION, USING SAME ATTACHMENT METHODS.

2/C #4, 1/C #6 GND
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)

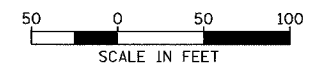
HH 1309 TYPE C1, BY OTHERS
STA 8723+36
(4) 4/C #18
3" GSC IN TRENCH

(4) 4/C #18
2" GSC CONCRETE ENCASED, BY OTHERS

PROPOSED SURVEILLANCE CABINET 66
STA. 2242+75, 117RT
CONCRETE FOUNDATION, TYPE 1

2/C #4, 1/C #6 GND
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)

CABINET, MODEL 334 EQUIPMENT,
SYSTEM DETECTOR



DET-12

**Edwards
AND Kelcey**

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FAX: (312) 251-3015
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REVISIONS	
NAME	DATE

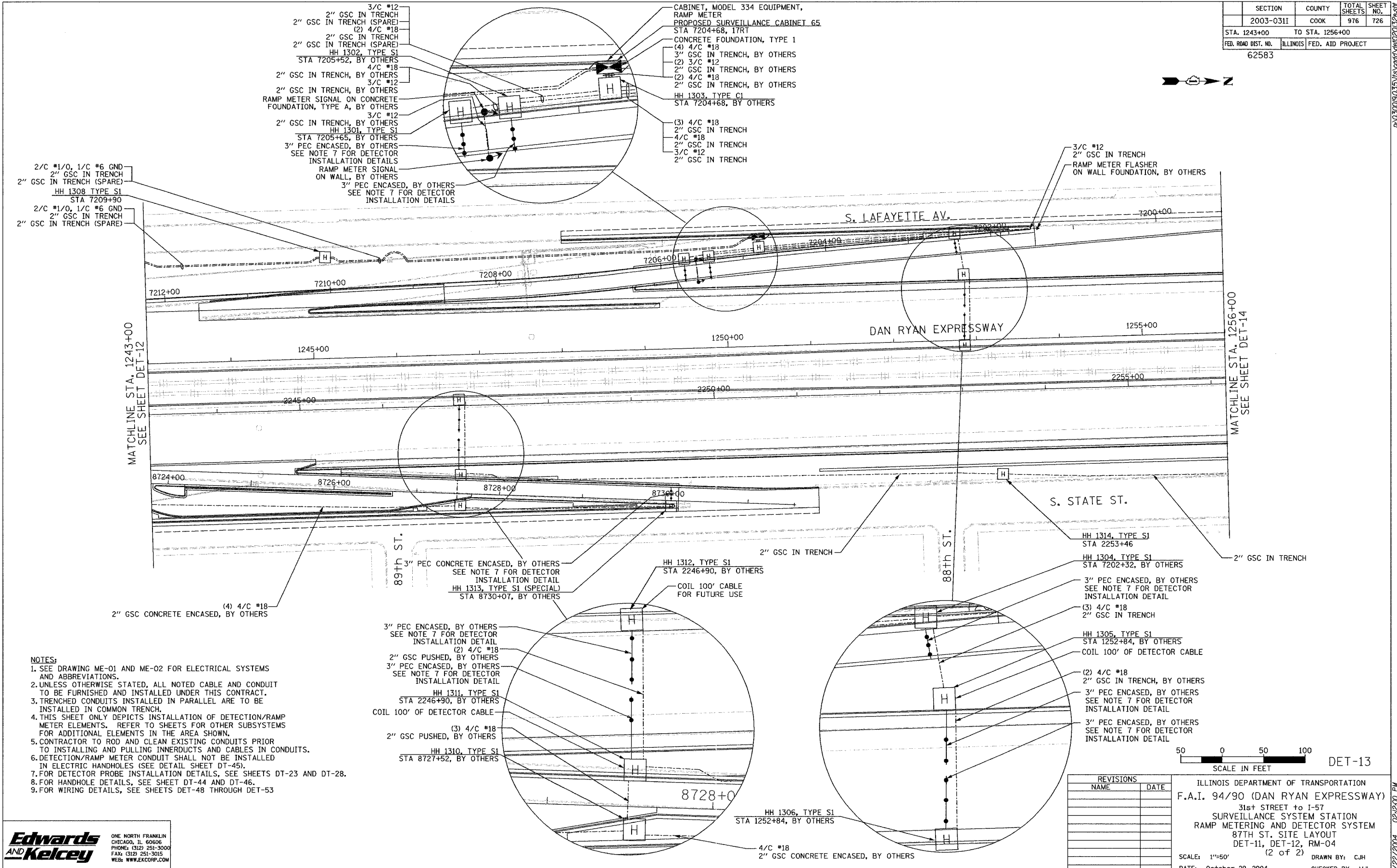
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
87TH ST. SITE LAYOUT
DET-11, DET-12
(1 of 2)

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

11/23/2004 10:21:36 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	726
STA. 1243+00	TO STA. 1256+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

REVISIONS	
NAME	DATE

SCALE IN FEET
 0 50 100
 DET-13

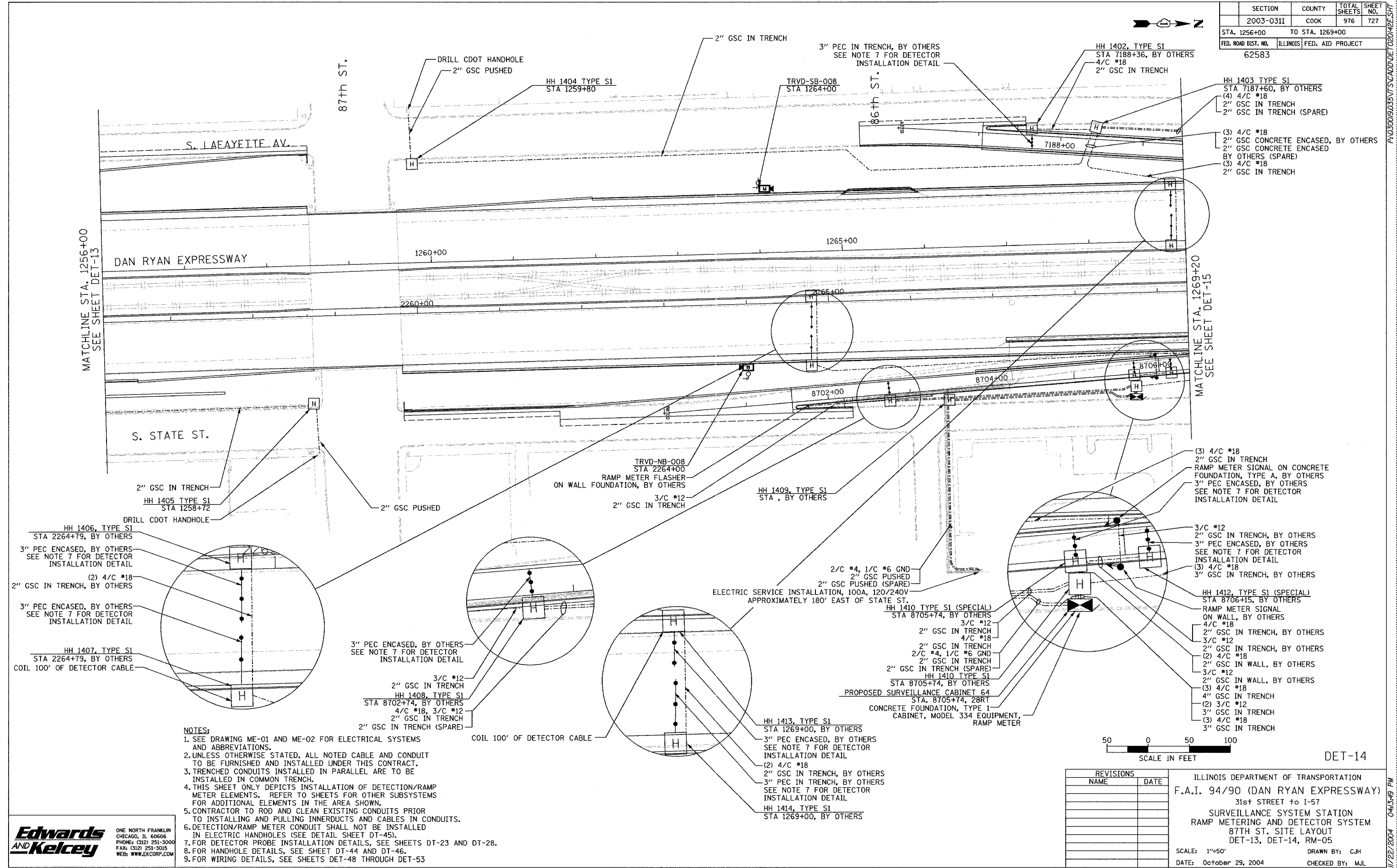
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 87TH ST. SITE LAYOUT
 DET-11, DET-12, RM-04
 (2 of 2)

SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE (312) 251-3000
 FAX (312) 251-3015
 WEB: WWW.EKCORP.COM

17/22/2004 02:18:00 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	727
STA. 1256+00	TO STA. 1269+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



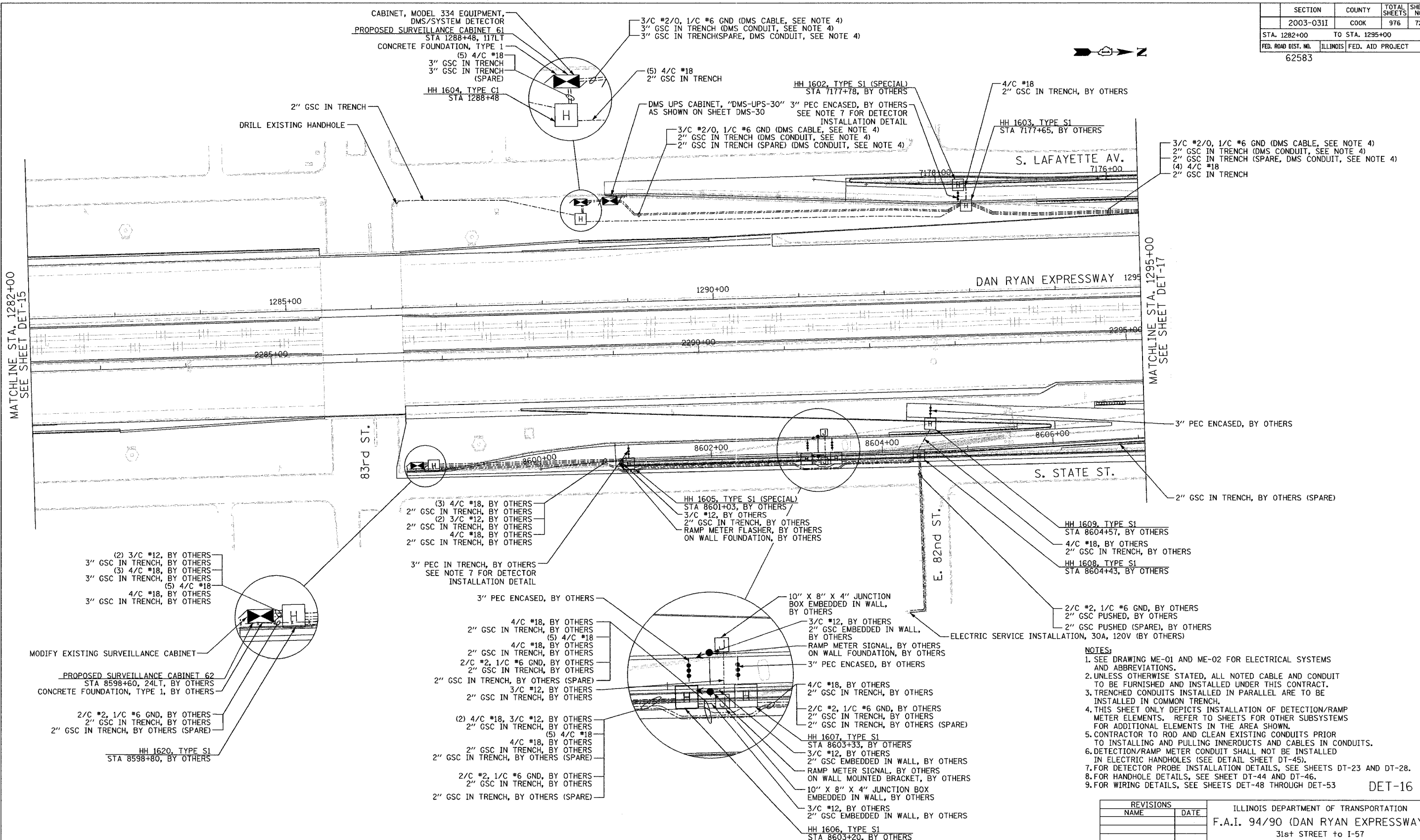
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 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

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 CHICAGO, IL 60606
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 WEB: WWW.EKCORP.COM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 87TH ST. SITE LAYOUT DET-13, DET-14, RM-05
NAME	DATE	
		SCALE: 1"=50'
		DATE: October 29, 2004
		DRAWN BY: CJH
		CHECKED BY: MJL

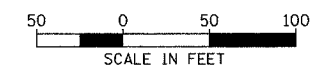
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	729
STA. 1282+00	TO STA. 1295+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



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 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

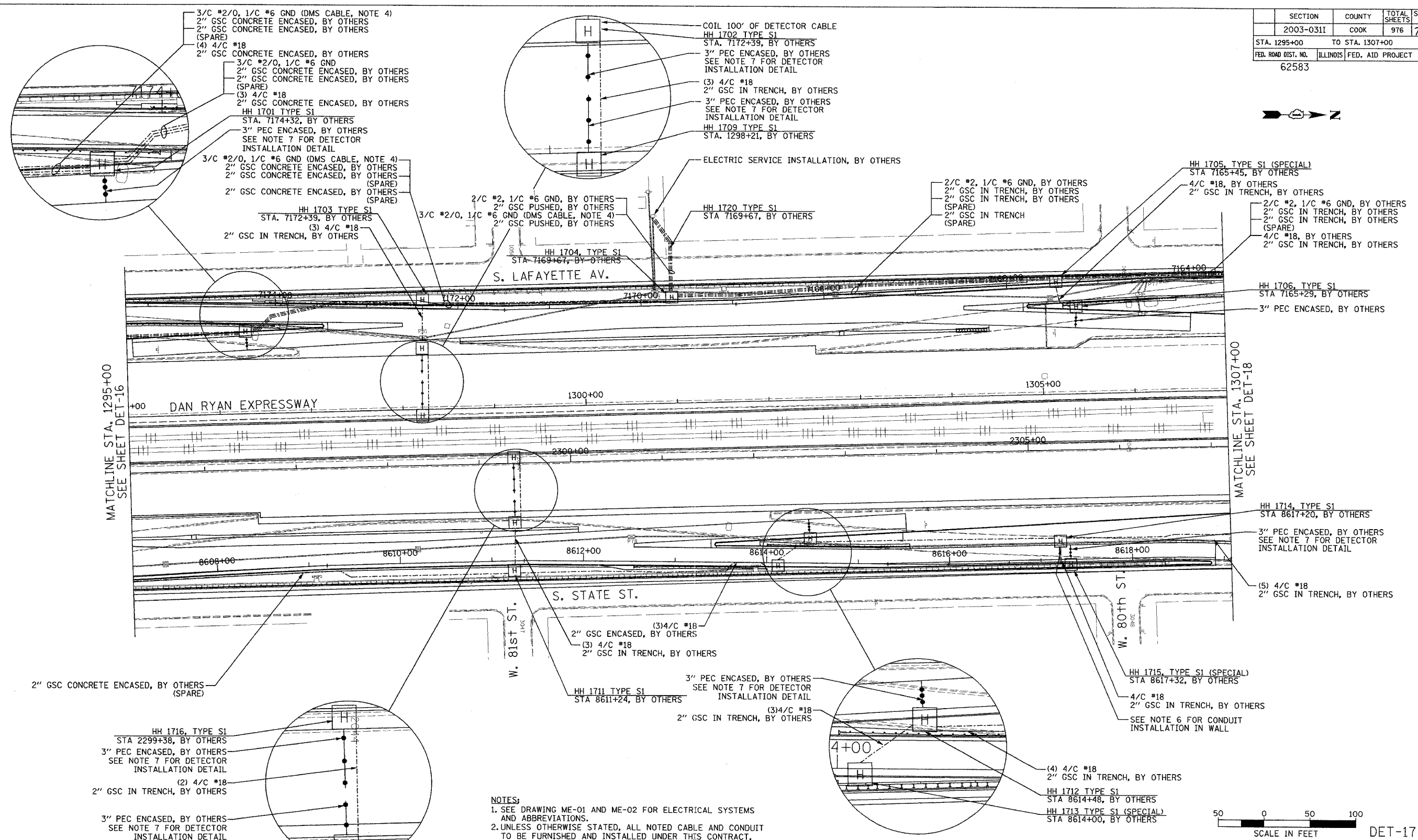
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 83RD ST. SITE LAYOUT DET-15, DET-16, RM-06
NAME	DATE	
		SCALE: 1"=50'
		DATE: October 29, 2004
		DRAWN BY: CJH
		CHECKED BY: MJL



Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
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 WEB: WWW.EDKCORP.COM

11/23/2004 10:04:43 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	730
STA. 1295+00 TO STA. 1307+00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	
62583			



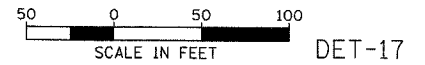
MATCHLINE STA. 1295+00
SEE SHEET DET-16

MATCHLINE STA. 1307+00
SEE SHEET DET-18

2" GSC CONCRETE ENCASED, BY OTHERS (SPARE)

HH 1716, TYPE S1
STA 2299+38, BY OTHERS
3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
(2) 4/C #18
2" GSC IN TRENCH, BY OTHERS
3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
HH 1710, TYPE S1
STA 2299+38, BY OTHERS
COIL 100' OF DETECTOR CABLE

- NOTES:**
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 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 83RD ST./79TH ST. SITE LAYOUT DET-15, DET-16, DET-17, DET-18, RM-06, RM-07 SCALE: 1"=50' DATE: October 29, 2004
NAME	DATE	
		DRAWN BY: CJH CHECKED BY: MJL

**Edwards
AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDWARDS
ANDKELCEY.COM

11/15/2004 11:45:44 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	732
STA. 1321+00 TO STA. 1334+00			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 62583			



TRVD-SB-007
STA1325+00
(5) 4/C #18
2" GSC ENCASED, BY OTHERS
2/C #4, 1/C #6 GND
2" GSC ENCASED, BY OTHERS
2" GSC ENCASED, BY OTHERS
(SPARE)
(2) 4/C #18
2" GSC IN TRENCH
3/C #12
2" GSC IN TRENCH
(1) 4/C #18
2" GSC IN TRENCH

MATCHLINE STA. 1334+00
SEE SHEET DET-20

MATCHLINE STA. 1321+00
SEE SHEET DET-18

76th ST.

DRILL CDOT HANDHOLE

TRVD-NB-007
STA2331+50
2" GSC IN TRENCH
HH 1918, TYPE S1
STA 68+76

2" GSC PUSHED

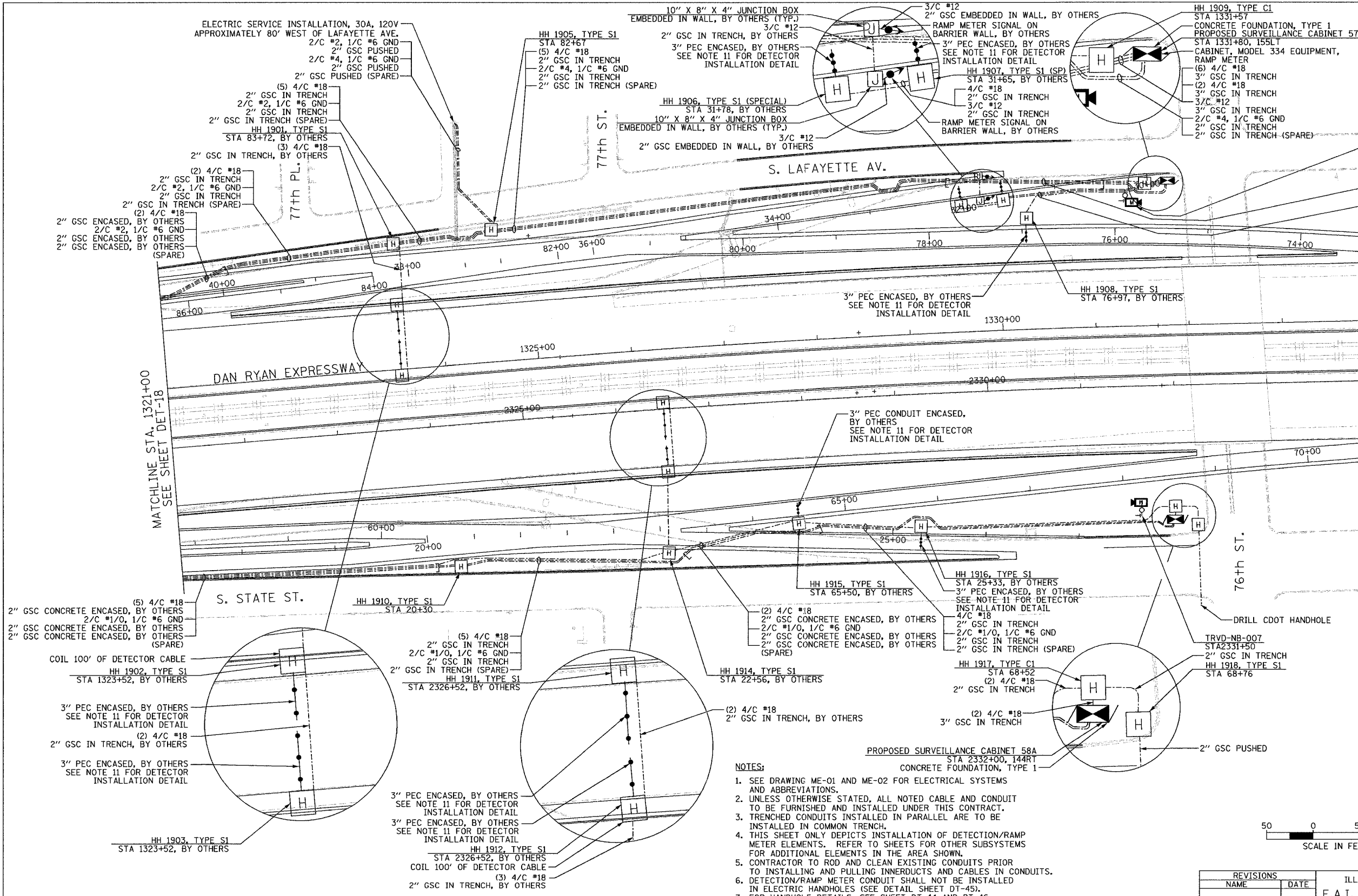
PROPOSED SURVEILLANCE CABINET 58A
STA 2332+00, 144RT
CONCRETE FOUNDATION, TYPE 1

50 0 50 100
SCALE IN FEET

DET-19
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
RAMP METERING AND DETECTOR SYSTEM
79TH ST. SITE LAYOUT, DET-19, DET-19A,
DET-20, DET-20A, RM-08, RM-08A
SCALE: 1"=50' DRAWN BY: CJH
DATE: October 29, 2004 CHECKED BY: CC

REVISIONS	
NAME	DATE

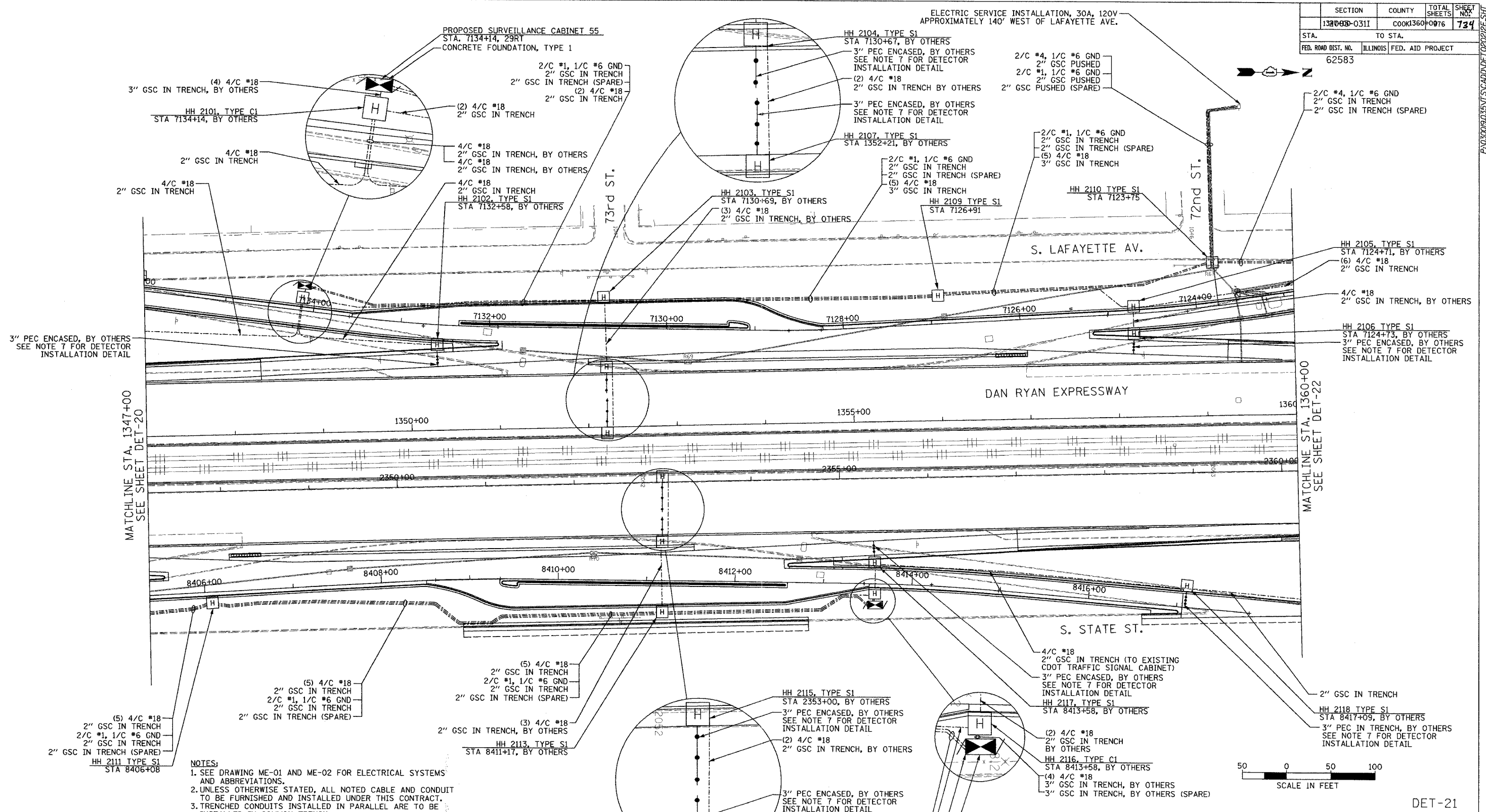
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 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 - FOR TEMPORARY DETECTION DETAILS SEE SHEETS DT-53 TO DT-55.
 - PROPOSED GEOMETRY SHOWN ON THIS SHEET IS PRELIMINARY. CONTRACTOR SHALL COORDINATE WITH CONTRACTS 62694, 62695, 62592, AND 62593 TO DETERMINE FINAL GEOMETRY FOR THE AREA SHOWN.
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.



Edwards and Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
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1/23/2004 10:25:16 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
132000-0311	COOK	1360	0976
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
	62583		



- NOTES:**
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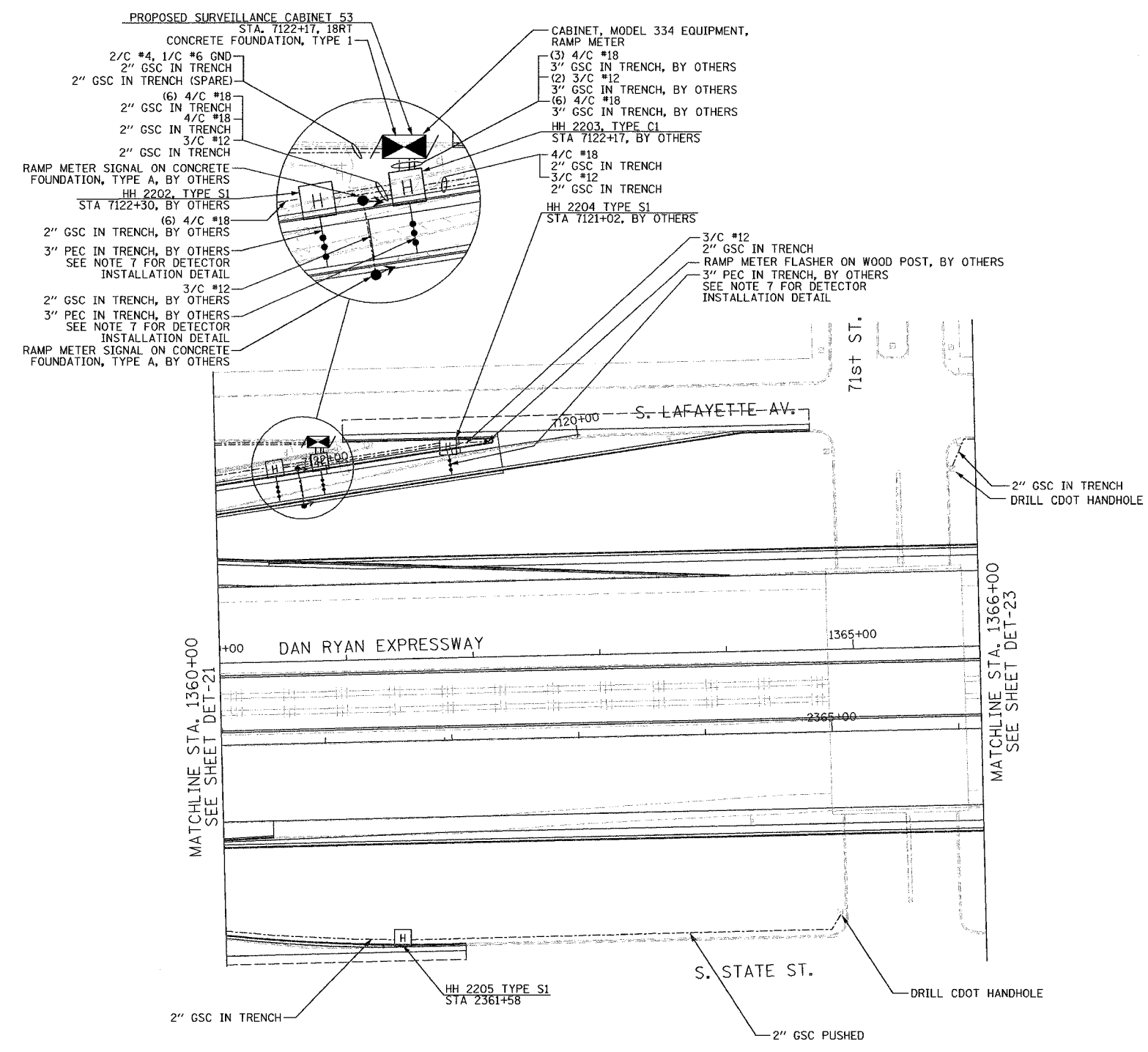
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 75THST./71ST ST. SITE LAYOUT
 DET-21, DET-22, DET-23, DET-24, RM-10
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

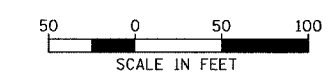
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

10/29/2004 08:56:54 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	735
STA. 1360+00 TO STA. 1366+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
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 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-22

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 71ST ST. SITE LAYOUT DET-23, DET-24, RM-10
NAME	DATE	
		SCALE: 1"=50'
		DATE: October 29, 2004
		DRAWN BY: CJH
		CHECKED BY: MJL

11/23/2004 10:27:19 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	737
STA. 1376+00	TO STA. 1388+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

ELECTRIC UTILITY SERVICE CONNECTION, BY OTHERS
ELECTRIC SERVICE INSTALLATION, 30A, 120V, BY OTHERS
APPROXIMATELY 210' WEST OF LAFAYETTE AVE.

MODIFY EXISTING SURVEILLANCE CABINET
CONCRETE FOUNDATION, TYPE 1, BY OTHERS
PROPOSED SURVEILLANCE CABINET 49, BY OTHERS
STA. 7102+36, 16RT

(2) 3/C #12 BY OTHERS
3" GSC IN TRENCH BY OTHERS
(3) 4/C #18 BY OTHERS
3" GSC IN TRENCH BY OTHERS
(6) 4/C #18 BY OTHERS
4/C #18, BY OTHERS
3" GSC IN TRENCH BY OTHERS
3" GSC IN TRENCH (SPARE) BY OTHERS

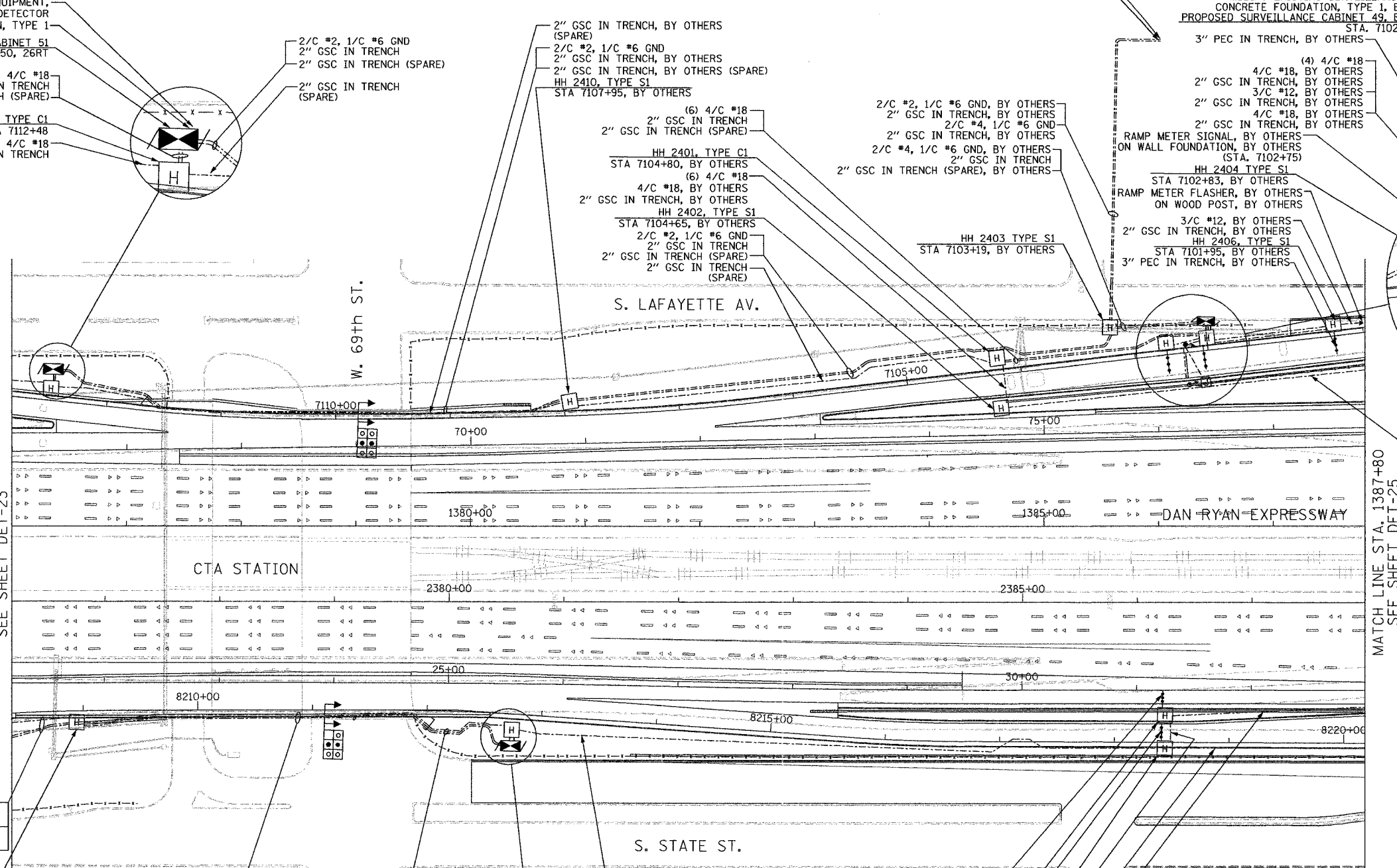
4/C #18, 3/C #12 BY OTHERS
2" GSC IN TRENCH BY OTHERS
2" GSC IN TRENCH (SPARE) BY OTHERS
HH 2405, TYPE C1
STA 7102+70, BY OTHERS

(2) 3/C #12, BY OTHERS
2" GSC IN TRENCH, BY OTHERS
3/C #12, BY OTHERS
2" GSC EMBEDDED IN WALL BY OTHERS
RAMP METER SIGNAL ON TYPE A FOUNDATION, BY OTHERS (STA. 7102+75)
3" PEC IN TRENCH, BY OTHERS

(6) 4/C #18
4/C #18, BY OTHERS
2" GSC IN TRENCH

MATCH LINE STA. 1376+00
SEE SHEET DET-25

MATCH LINE STA. 1387+80
SEE SHEET DET-25



CABINET, MODEL 334 EQUIPMENT,
SYSTEM DETECTOR
CONCRETE FOUNDATION, TYPE 1
PROPOSED SURVEILLANCE CABINET 51
STA. 7112+50, 26RT

(5) 4/C #18
3" GSC IN TRENCH
3" GSC IN TRENCH (SPARE)

HH 2409, TYPE C1
STA 7112+48
(5) 4/C #18
2" GSC IN TRENCH

2/C #2, 1/C #6 GND
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)

2" GSC IN TRENCH
(SPARE)

2" GSC IN TRENCH, BY OTHERS
(SPARE)
2/C #2, 1/C #6 GND
2" GSC IN TRENCH, BY OTHERS
2" GSC IN TRENCH, BY OTHERS (SPARE)
HH 2410, TYPE S1
STA 7107+95, BY OTHERS

(6) 4/C #18
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)

HH 2401, TYPE C1
STA 7104+80, BY OTHERS
(6) 4/C #18
4/C #18, BY OTHERS
2" GSC IN TRENCH, BY OTHERS

HH 2402, TYPE S1
STA 7104+65, BY OTHERS
2/C #2, 1/C #6 GND
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)
2" GSC IN TRENCH (SPARE)

2/C #2, 1/C #6 GND, BY OTHERS
2" GSC IN TRENCH, BY OTHERS
2/C #4, 1/C #6 GND
2" GSC IN TRENCH, BY OTHERS
2" GSC IN TRENCH, BY OTHERS
2/C #4, 1/C #6 GND, BY OTHERS
2" GSC IN TRENCH (SPARE), BY OTHERS

HH 2403 TYPE S1
STA 7103+19, BY OTHERS

RAMP METER SIGNAL, BY OTHERS
ON WALL FOUNDATION, BY OTHERS
(STA. 7102+75)

HH 2404 TYPE S1
STA 7102+83, BY OTHERS
RAMP METER FLASHER, BY OTHERS
ON WOOD POST, BY OTHERS

3/C #12, BY OTHERS
2" GSC IN TRENCH, BY OTHERS
HH 2406, TYPE S1
STA 7101+95, BY OTHERS
3" PEC IN TRENCH, BY OTHERS

CTA STATION

S. LAFAYETTE AV.

S. STATE ST.

DAN RYAN EXPRESSWAY

2" GSC IN TRENCH (SPARE)
2/C #2, 1/C #6 GND
2" IN TRENCH, BY OTHERS
2" IN TRENCH, BY OTHERS (SPARE)

HH 2411, TYPE S1
STA 8208+95, BY OTHERS

2" GSC CONCRETE ENCASED, BY OTHERS (SPARE)
2/C #2, 1/C #6 GND
2" GSC CONCRETE ENCASED, BY OTHERS (SPARE)
2" GSC CONCRETE ENCASED, BY OTHERS (SPARE)

2" GSC IN TRENCH (SPARE)
2/C #2, 1/C #6 GND
2" GSC IN TRENCH (SPARE)

3" PEC IN TRENCH, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

HH 2407, TYPE S1
STA 31+20, BY OTHERS
3" PEC IN TRENCH, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

HH 2408, TYPE S1
STA 8218+40, BY OTHERS
(6) 4/C #18
2" GSC IN TRENCH, BY OTHERS

2" GSC IN TRENCH (TO CDOT
TRAFFIC SIGNAL CONTROLLER)

(5) 4/C #18
2" GSC IN TRENCH, BY OTHERS

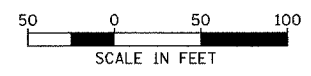
(7) 4/C #18
2" GSC IN TRENCH
HH 2412, TYPE C1
STA 8212+76
(2) 4/C #18
3" GSC IN TRENCH, BY OTHERS
3" GSC IN TRENCH, BY OTHERS

PROPOSED SURVEILLANCE CABINET 50
STA. 8212+75, 28RT
CONCRETE FOUNDATION, TYPE 1
CABINET, MODEL 334 EQUIPMENT,
SYSTEM DETECTOR

NOTES:

- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
- UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
- THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
- CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
- DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
- FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
- FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM



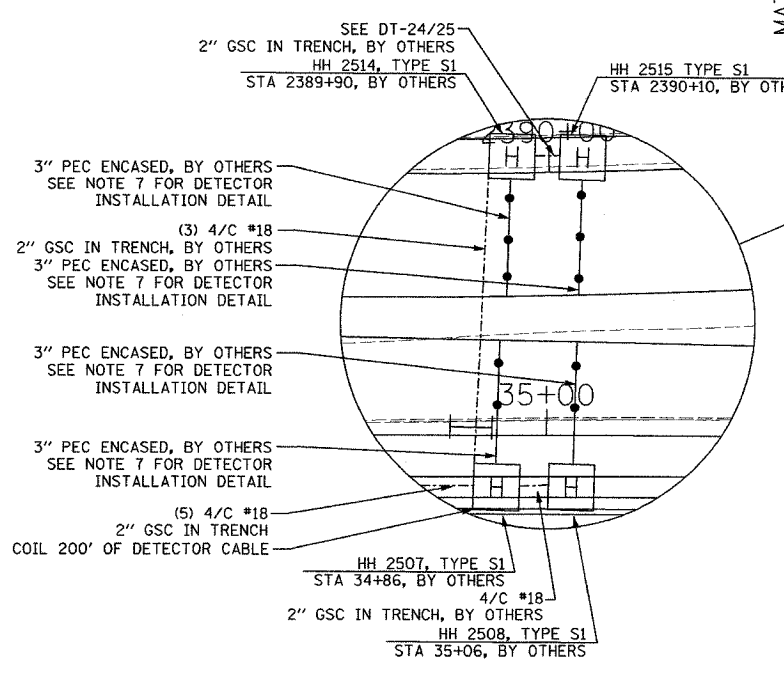
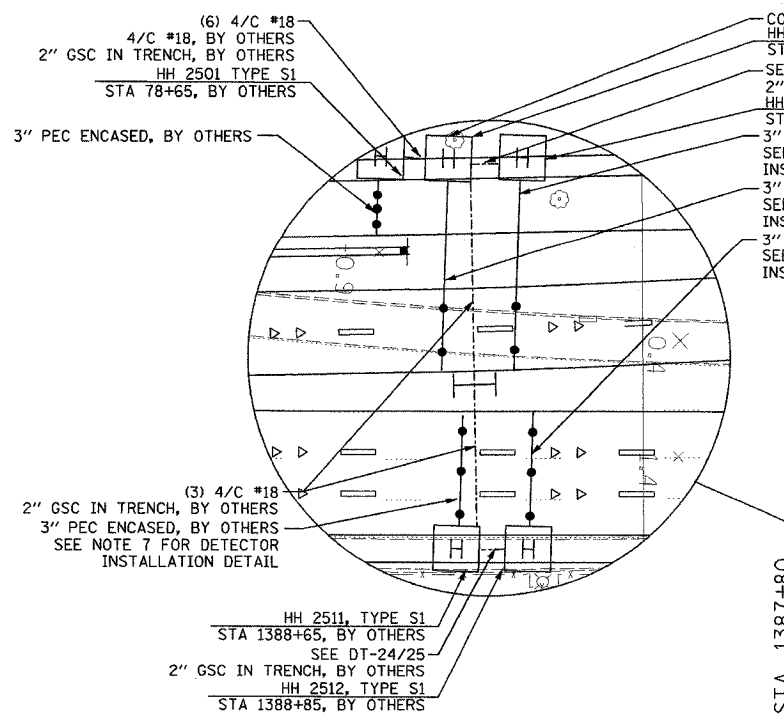
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
RAMP METERING AND DETECTOR SYSTEM
69TH ST. SITE LAYOUT
DET-25, DET-26, DET-27, DET-28, RM-11, RM-12
SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: C.JH
CHECKED BY: MJL

DET-24

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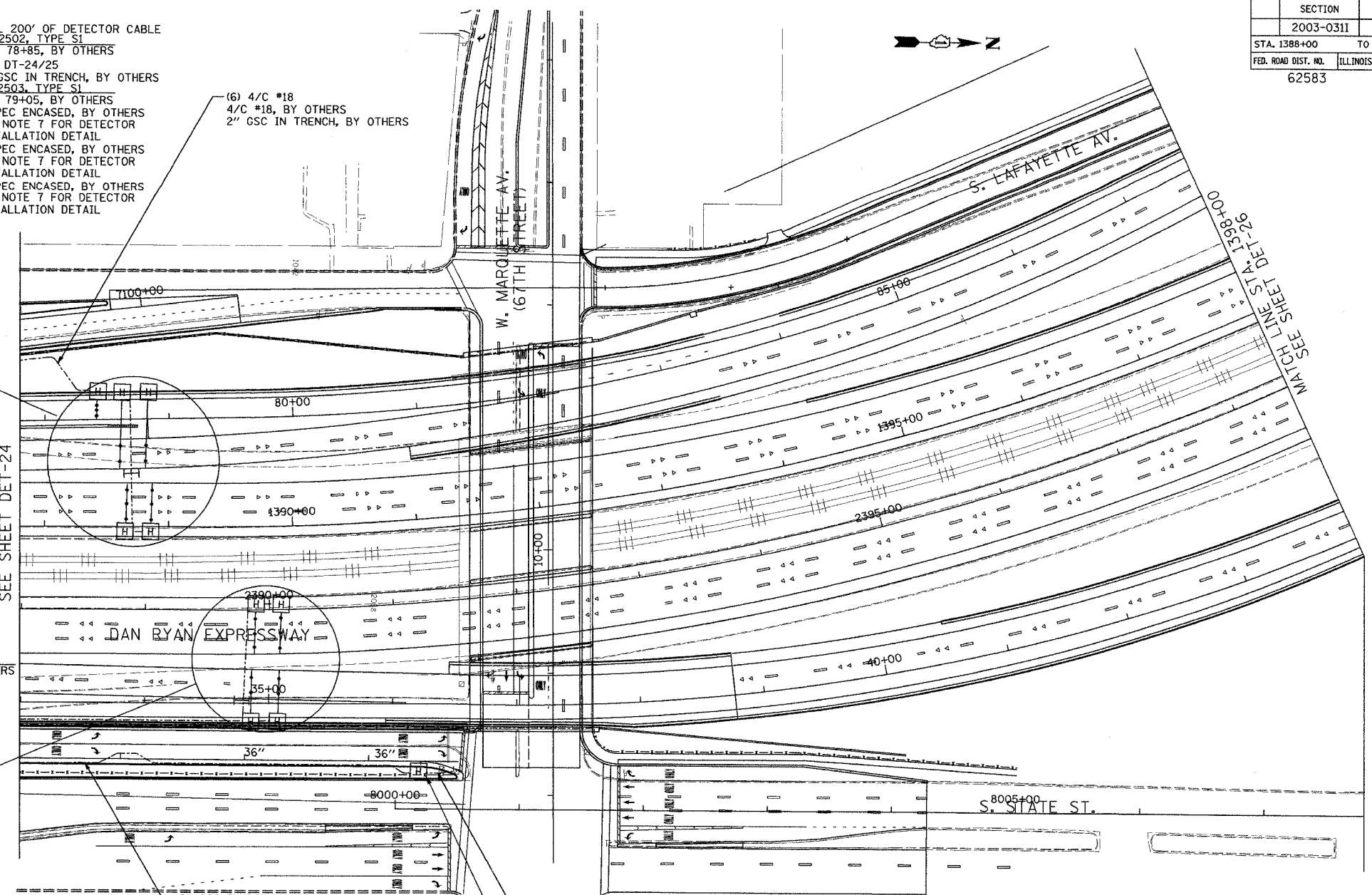
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	738
STA. 1388+00 TO STA. 1398+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



COIL 200' OF DETECTOR CABLE
 HH 2502, TYPE S1
 STA 78+85, BY OTHERS
 SEE DT-24/25
 2" GSC IN TRENCH, BY OTHERS
 HH 2503, TYPE S1
 STA 79+05, BY OTHERS
 3" PEC ENCASED, BY OTHERS
 SEE NOTE 7 FOR DETECTOR
 INSTALLATION DETAIL
 3" PEC ENCASED, BY OTHERS
 SEE NOTE 7 FOR DETECTOR
 INSTALLATION DETAIL
 3" PEC ENCASED, BY OTHERS
 SEE NOTE 7 FOR DETECTOR
 INSTALLATION DETAIL

(6) 4/C #18
 4/C #18, BY OTHERS
 2" GSC IN TRENCH, BY OTHERS

MATCH LINE STA. 1387+80
 SEE SHEET DET-24

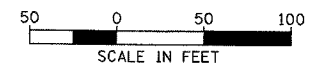


2" GSC IN TRENCH (TO EXISTING
 CDOT TRAFFIC SIGNAL CONTROLLER CABINET)

2" GSC IN TRENCH (TO CDOT TRAFFIC
 SIGNAL HANDHOLE)

HH 2509, TYPE S1
 STA 8223+40, BY OTHERS

- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



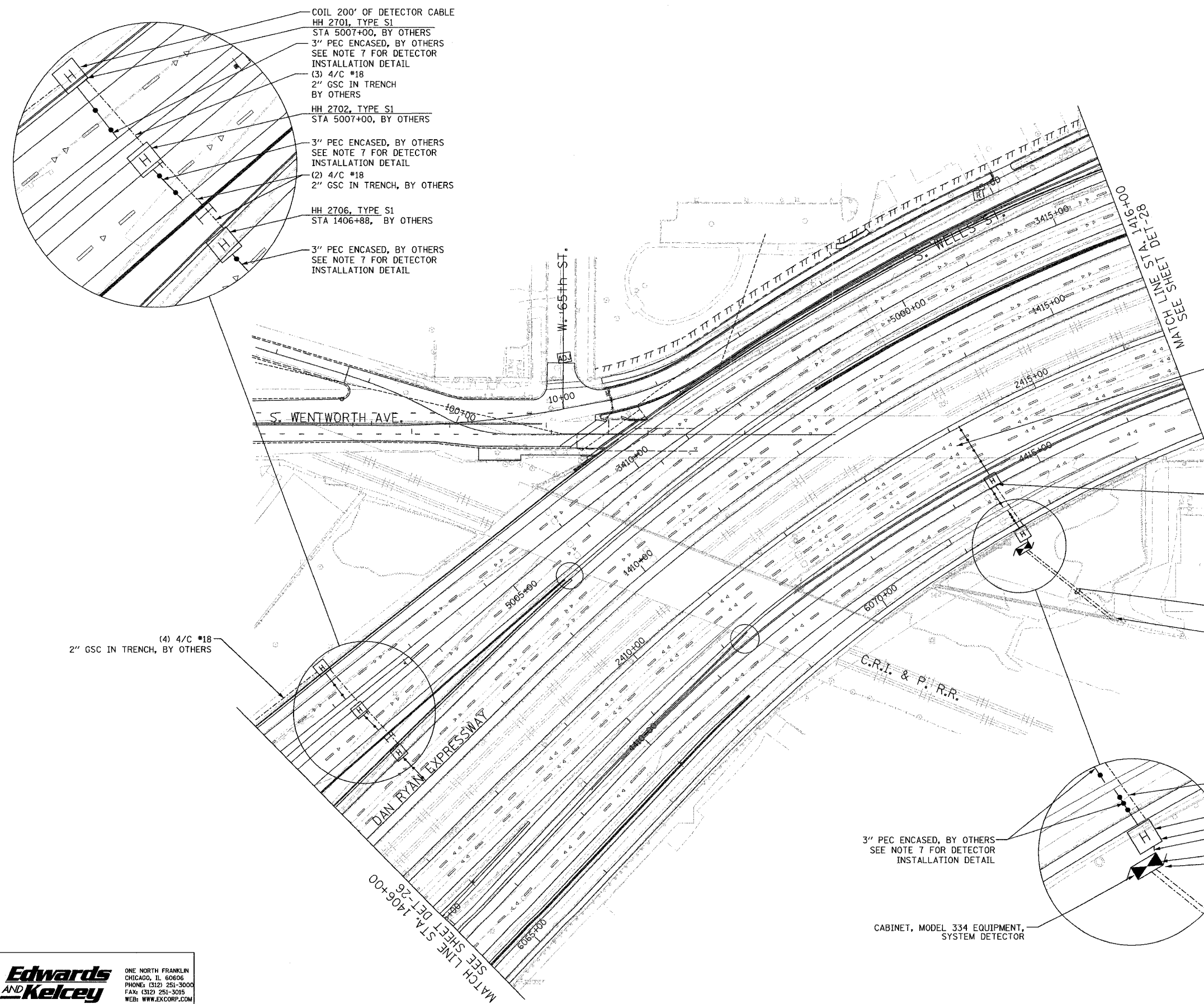
DET-25

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 67TH ST. SITE LAYOUT DET-27, DET-28, RM-12
NAME	DATE	
		SCALE: 1"=50'
		DATE: October 29, 2004
		DRAWN BY: CJH
		CHECKED BY: MJL

**Edwards
 AND Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

10/15/2004 11:47:18 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	740
STA. 1406+00 TO STA. 1416+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

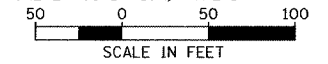
3" PEC IN TRENCH, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

HH 2704, TYPE S1
STA 6071+58, BY OTHERS

2/C #4, 1/C #6 GND
2" GSC PUSHED
2" GSC PUSHED (SPARE)
ELECTRIC SERVICE INSTALLATION - 30A, 120V

(3) 4/C #18
2" GSC IN TRENCH, BY OTHERS
HH 2705, TYPE C1
STA 6071+58, BY OTHERS

COIL 200' OF DETECTOR CABLE
(4) 4/C #18
3" GSC IN TRENCH, BY OTHERS
PROPOSED SURVEILLANCE CABINET 48
STA. 6071+50, 35 RT
CONCRETE FOUNDATION, TYPE 1



DET-27

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
CRI & P RR SITE LAYOUT
DET-29, DET-30

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

(4) 4/C #18
2" GSC IN TRENCH, BY OTHERS

3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

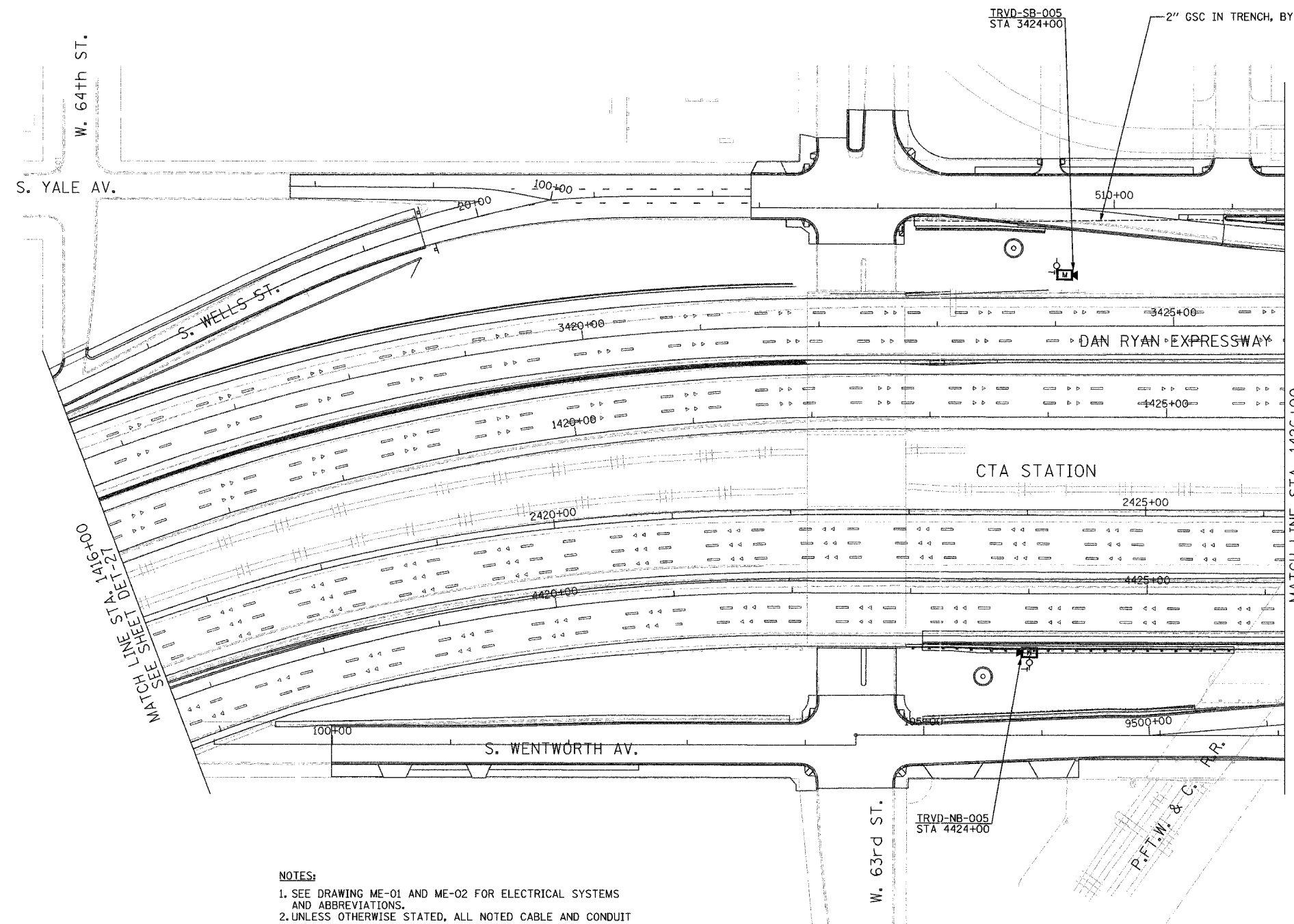
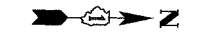
CABINET, MODEL 334 EQUIPMENT,
SYSTEM DETECTOR

**Edwards
AND
Kelcey**

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CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	741
STA. 1416+00 TO STA. 1426+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
	62583		

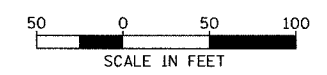


MATCH LINE STA. 1416+00 SEE SHEET DET-27

MATCH LINE STA. 1426+00 SEE SHEET DET-29

NOTES:

1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
3. TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
4. THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
5. CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
6. DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
7. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
8. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
9. FOR TEMPORARY DETECTION DETAILS SEE SHEETS DT-53 TO DT-55.



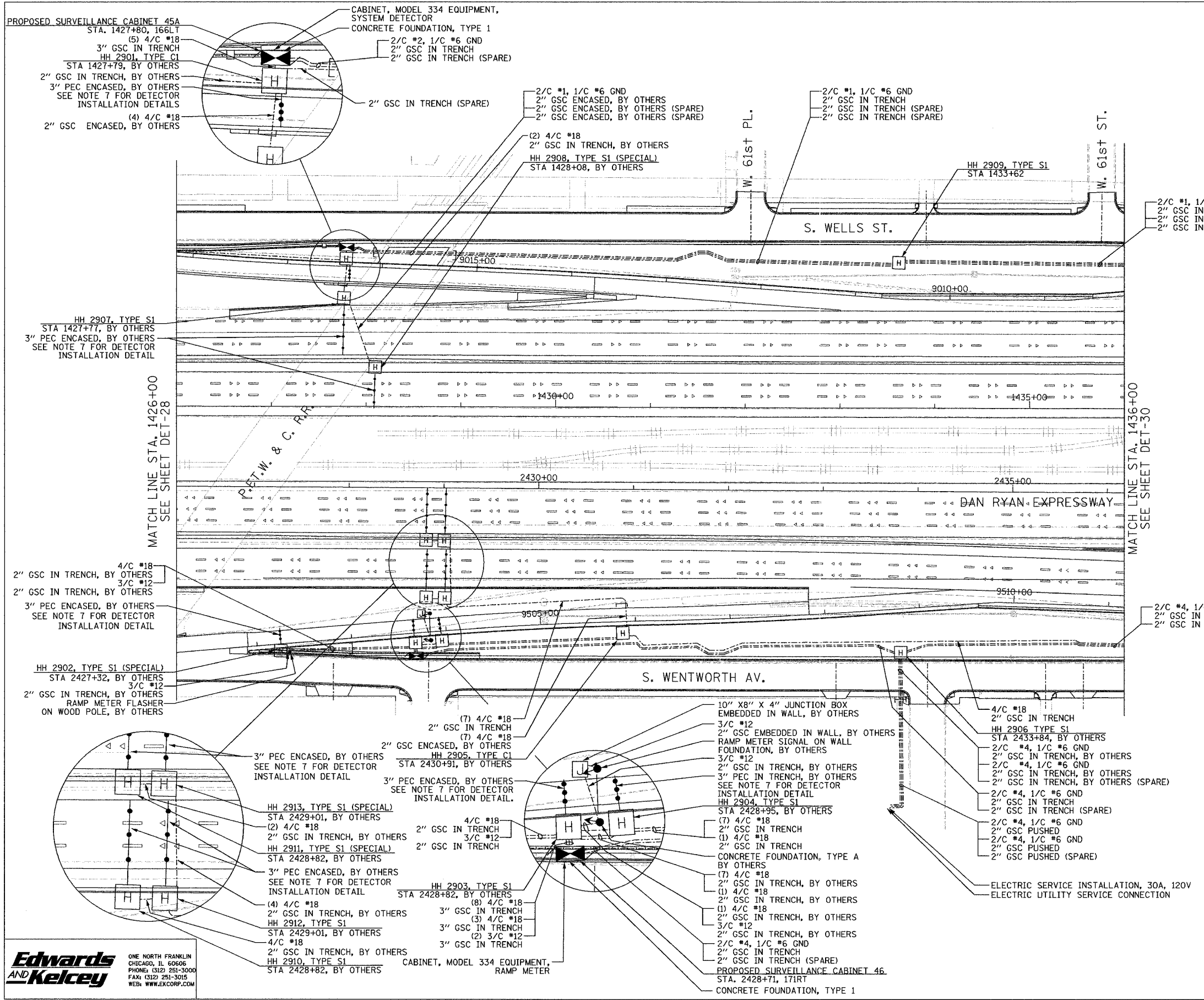
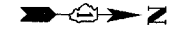
DET-28

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 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

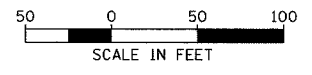
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. 94/90 (DAN RYAN EXPRESSWAY)	
		31st STREET to I-57	
		SURVEILLANCE SYSTEM STATION	
		DETECTOR SYSTEM	
		63RD ST. SITE LAYOUT	
		DET-32	
		SCALE: 1"=50'	DRAWN BY: CJH
		DATE: October 29, 2004	CHECKED BY: MJL

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	742
STA. 1426+00 TO STA. 1436+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



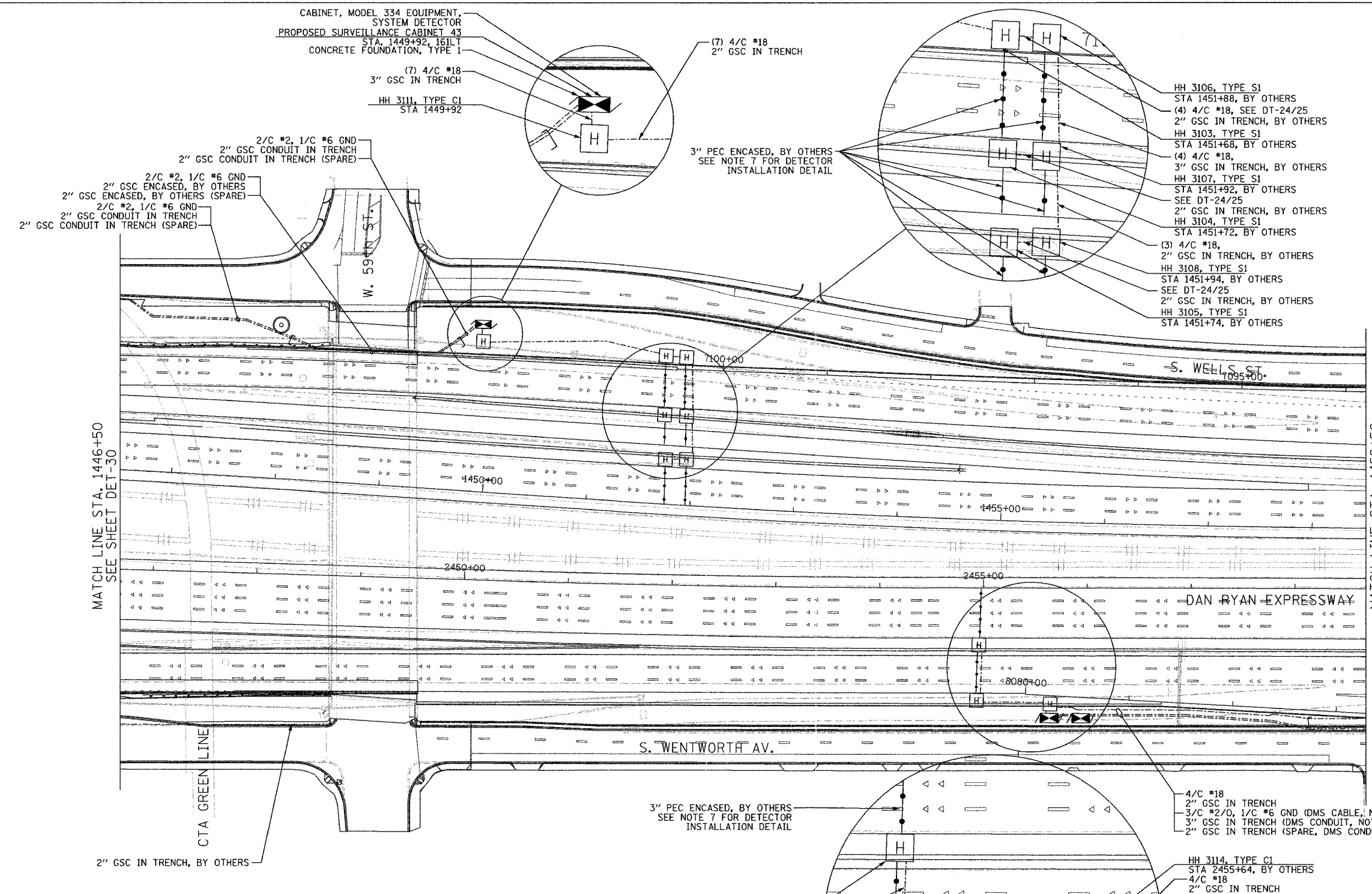
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 63RD ST. SITE LAYOUT
 DET-31, DET-32, RM-13
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

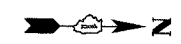
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	744
STA. 1446+50	TO STA. 1458+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



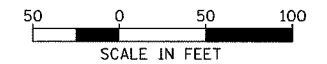
- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

- CABINET, MODEL 334 EQUIPMENT, SYSTEM DETECTOR PROPOSED SURVEILLANCE CABINET 43 STA. 1449+92, 161LT CONCRETE FOUNDATION, TYPE 1
- (7) 4/C #18 2" GSC IN TRENCH
- HH 3111, TYPE C1 STA 1449+92
- 2" GSC ENCASED, BY OTHERS (SPARE)
- 2" GSC CONDUIT IN TRENCH (SPARE)
- 2/C #2, 1/C #6 GND
- 2" GSC ENCASED, BY OTHERS (SPARE)
- 2" GSC CONDUIT IN TRENCH (SPARE)
- 2" GSC ENCASED, BY OTHERS (SPARE)
- 2" GSC CONDUIT IN TRENCH (SPARE)
- 2" GSC ENCASED, BY OTHERS (SPARE)
- 2" GSC CONDUIT IN TRENCH (SPARE)
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- HH 3106, TYPE S1 STA 1451+88, BY OTHERS
- (4) 4/C #18, SEE DT-24/25 2" GSC IN TRENCH, BY OTHERS
- HH 3103, TYPE S1 STA 1451+68, BY OTHERS
- (4) 4/C #18, 3" GSC IN TRENCH, BY OTHERS
- HH 3107, TYPE S1 STA 1451+92, BY OTHERS SEE DT-24/25
- 2" GSC IN TRENCH, BY OTHERS
- HH 3104, TYPE S1 STA 1451+72, BY OTHERS
- (3) 4/C #18, 2" GSC IN TRENCH, BY OTHERS
- HH 3108, TYPE S1 STA 1451+94, BY OTHERS SEE DT-24/25
- 2" GSC IN TRENCH, BY OTHERS
- HH 3105, TYPE S1 STA 1451+74, BY OTHERS
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- 4/C #18 2" GSC IN TRENCH 3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4) 3" GSC IN TRENCH (DMS CONDUIT, NOTE 4) 2" GSC IN TRENCH (SPARE, DMS CONDUIT, NOTE 4)
- HH 3114, TYPE C1 STA 2455+64, BY OTHERS
- 4/C #18 2" GSC IN TRENCH 3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4) 3" GSC IN TRENCH (DMS CONDUIT, NOTE 4) 3" GSC IN TRENCH (SPARE, DMS CONDUIT, NOTE 4) DMS UPS CABINET "DMS-UPS-03" AS SHOWN ON SHEET DMS-04
- HH 3112, TYPE S1 STA 2454+94, BY OTHERS (2) 4/C #18 2" GSC IN TRENCH, BY OTHERS 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- HH 3113, TYPE S1 STA 2454+96, BY OTHERS (3) 4/C #18 2" GSC IN TRENCH, BY OTHERS (7) 4/C #18 3" GSC IN TRENCH
- CONCRETE FOUNDATION, TYPE 1 PROPOSED SURVEILLANCE CABINET 44 STA. 2455+65, 124RT
- CABINET, MODEL 334 EQUIPMENT, DMS/SYSTEM DETECTOR



MATCH LINE STA. 1458+50
SEE SHEET DET-32

MATCH LINE STA. 1446+50
SEE SHEET DET-30



DET-31

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
59TH ST. SITE LAYOUT
DET-33, DET-34

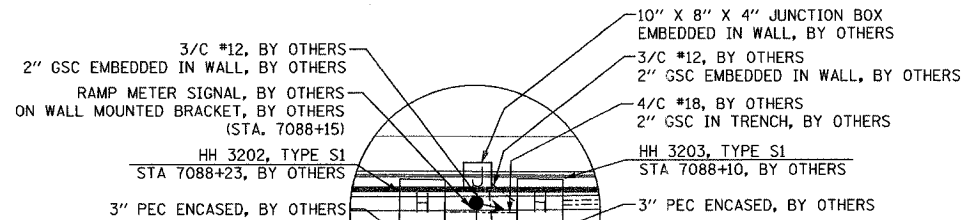
SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

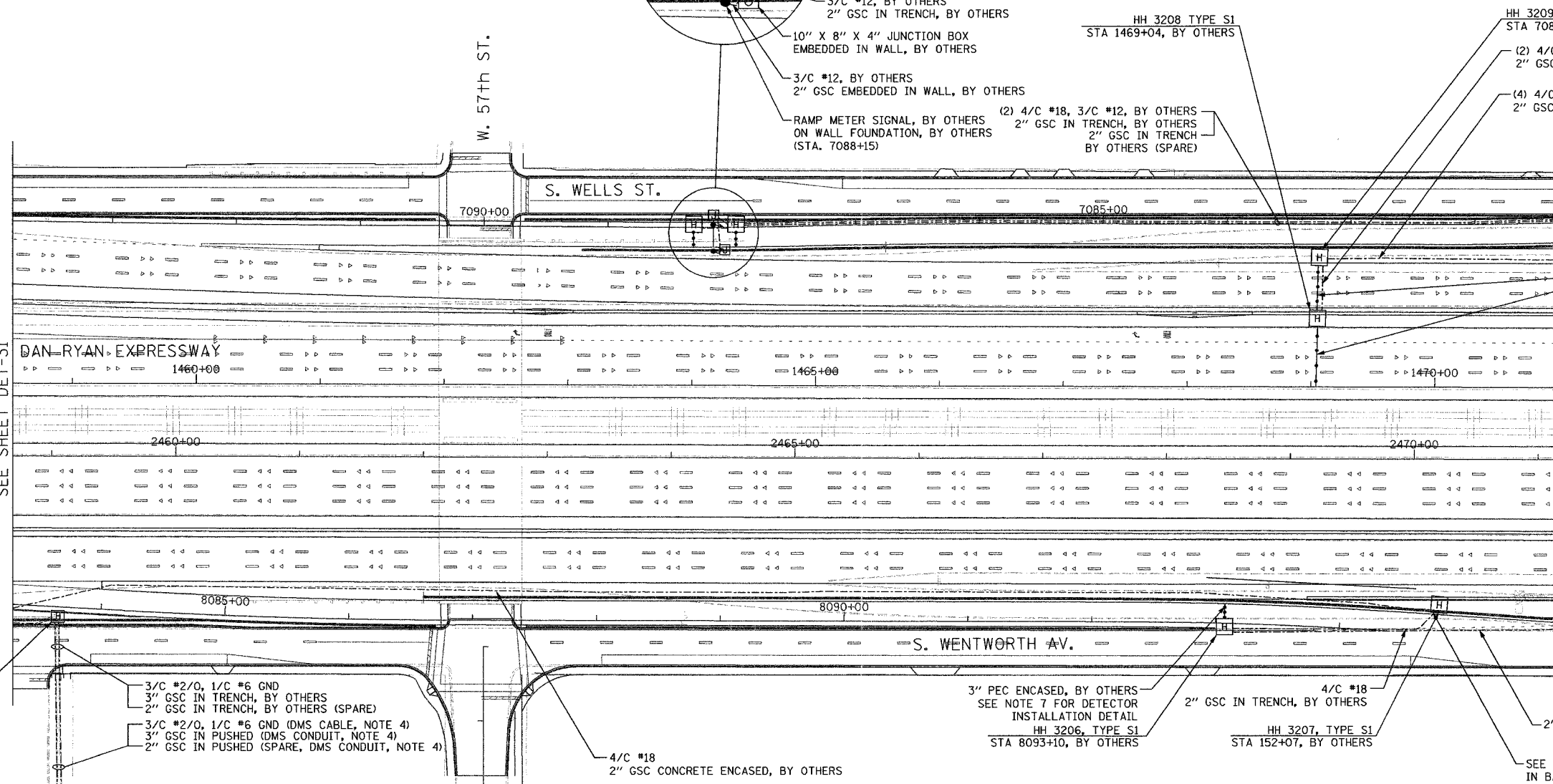
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	745
STA. 1458+50	TO STA. 1471+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



MATCH LINE STA. 1458+50
SEE SHEET DET-31

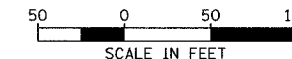
MATCH LINE STA. 1471+00
SEE SHEET DET-33



ELECTRIC SERVICE INSTALLATION, 100A, 120/240V

NOTES:

1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
3. TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
4. THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
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6. DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
7. FOR DETECTOR PROBE INSTALLATION DETAIL, SEE SHEETS DT-23 AND DT-28.
8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



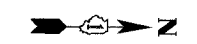
DET-32

Edwards AND Kelcey
 ONE NORTH FRANKLIN
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 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

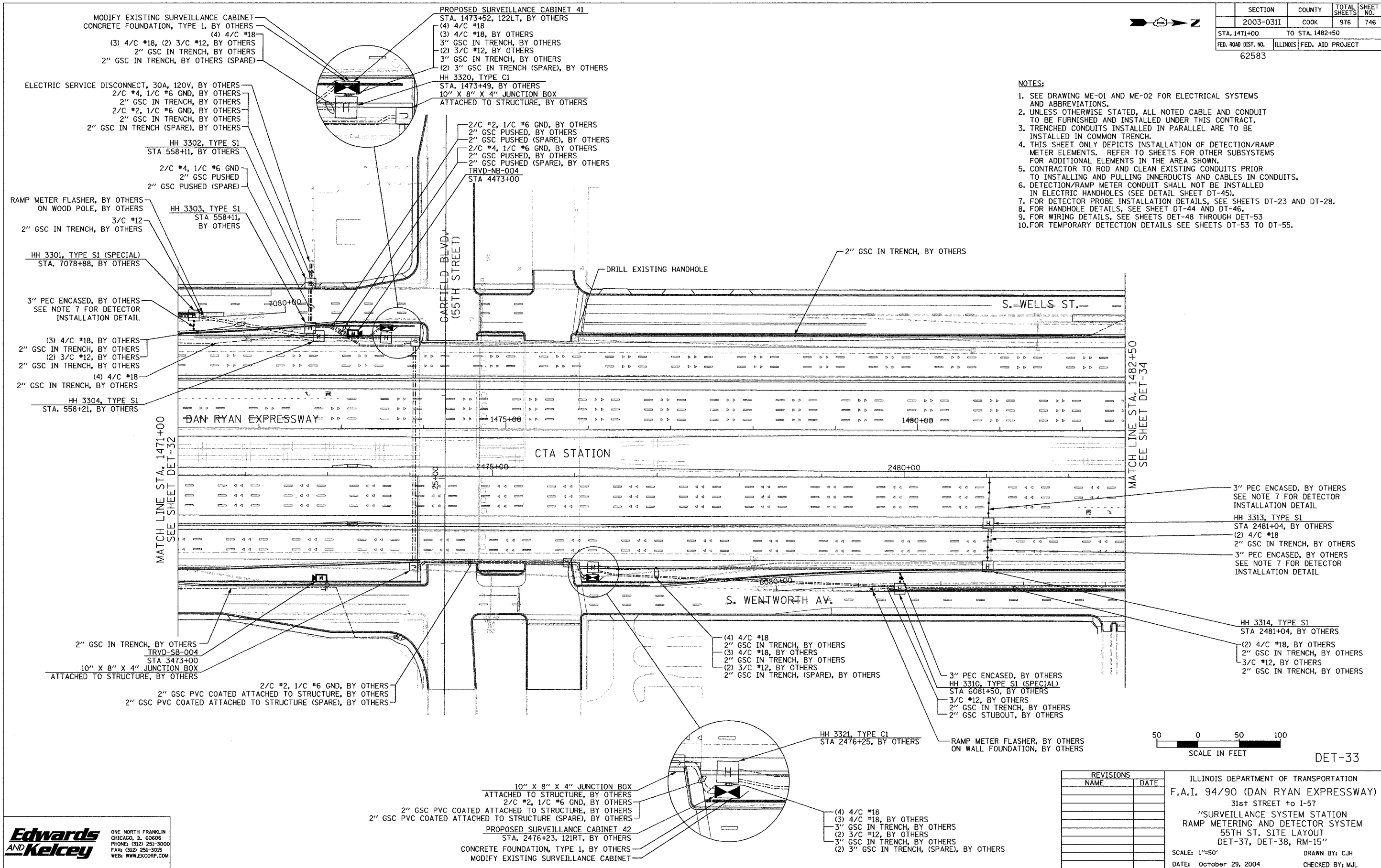
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM 57TH ST. SITE LAYOUT DET-35, DET-36, RM-14 SCALE: 1"=50' DATE: October 29, 2004
NAME	DATE	
		DRAWN BY: CJH CHECKED BY: MJL

11/23/2004 02:03:45 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	746
STA. 1471+00 TO STA. 1482+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 - FOR TEMPORARY DETECTION DETAILS SEE SHEETS DT-53 TO DT-55.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 "SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 55TH ST. SITE LAYOUT
 DET-37, DET-38, RM-15"
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

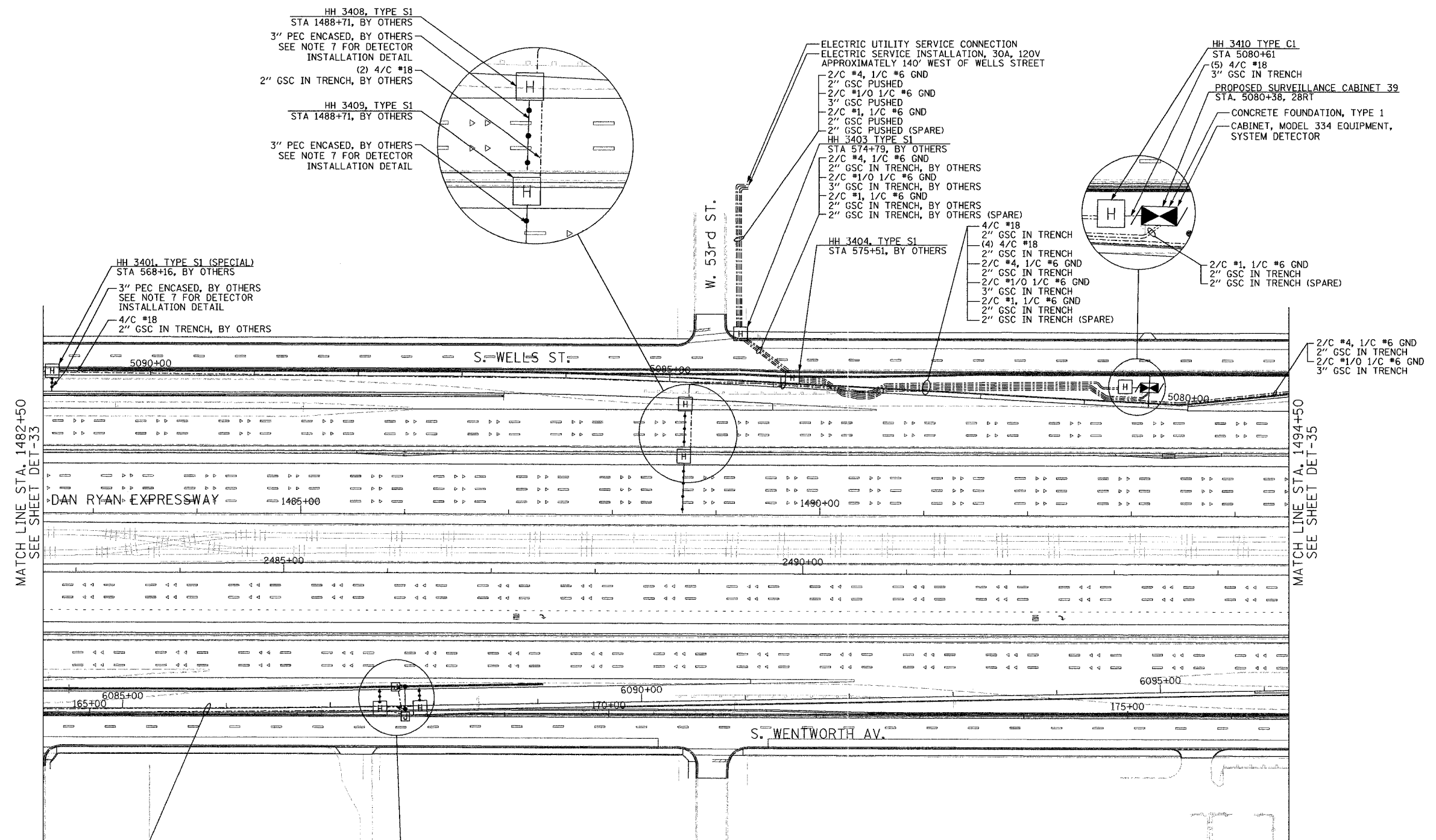
**Edwards
 AND
 Kelcey**
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 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

P:\3000\9035\7\SCADD\DET\020332E.SHT 11/23/2004 02:04:33 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-03II	COOK	976	747
STA. 1482+50 TO STA. 1494+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



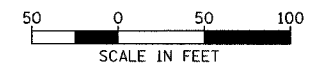
P:\0300\90.05\18\cadd\det\02\DET-34.dwg



MATCH LINE STA. 1482+50
SEE SHEET DET-33

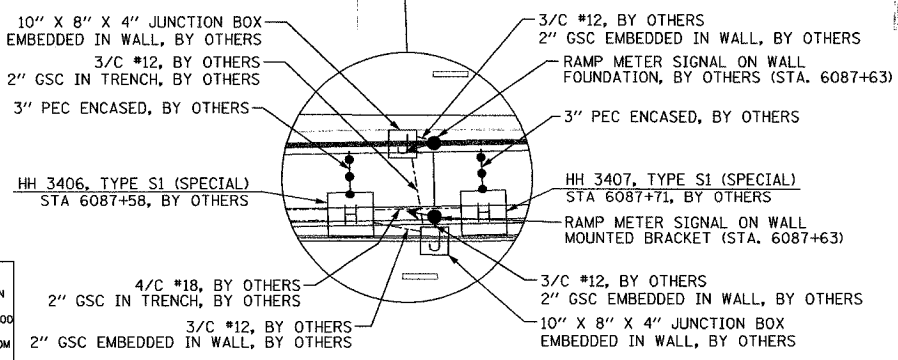
MATCH LINE STA. 1494+50
SEE SHEET DET-35

- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.



DET-34

**Edwards
AND Kelcey**
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
RAMP METERING AND DETECTOR SYSTEM
55TH ST. SITE LAYOUT
DET-38, RM-15

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

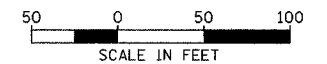
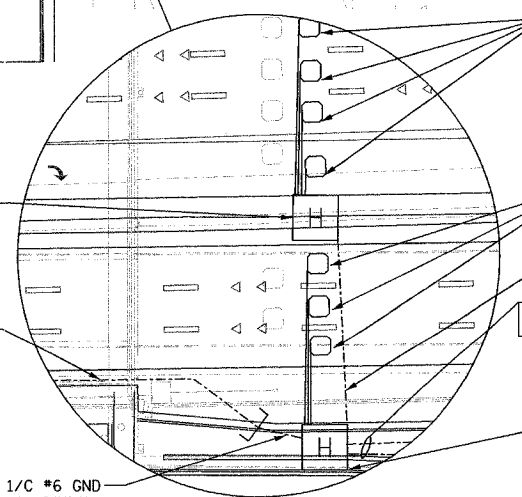
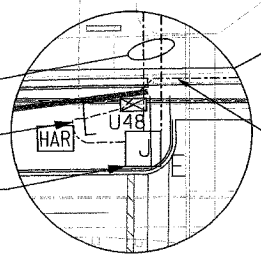
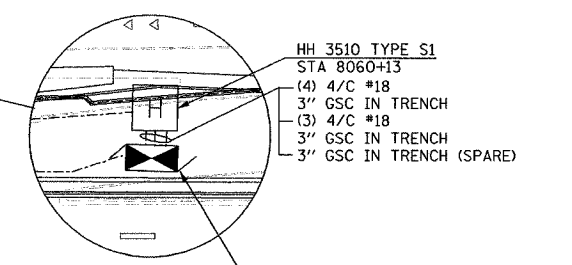
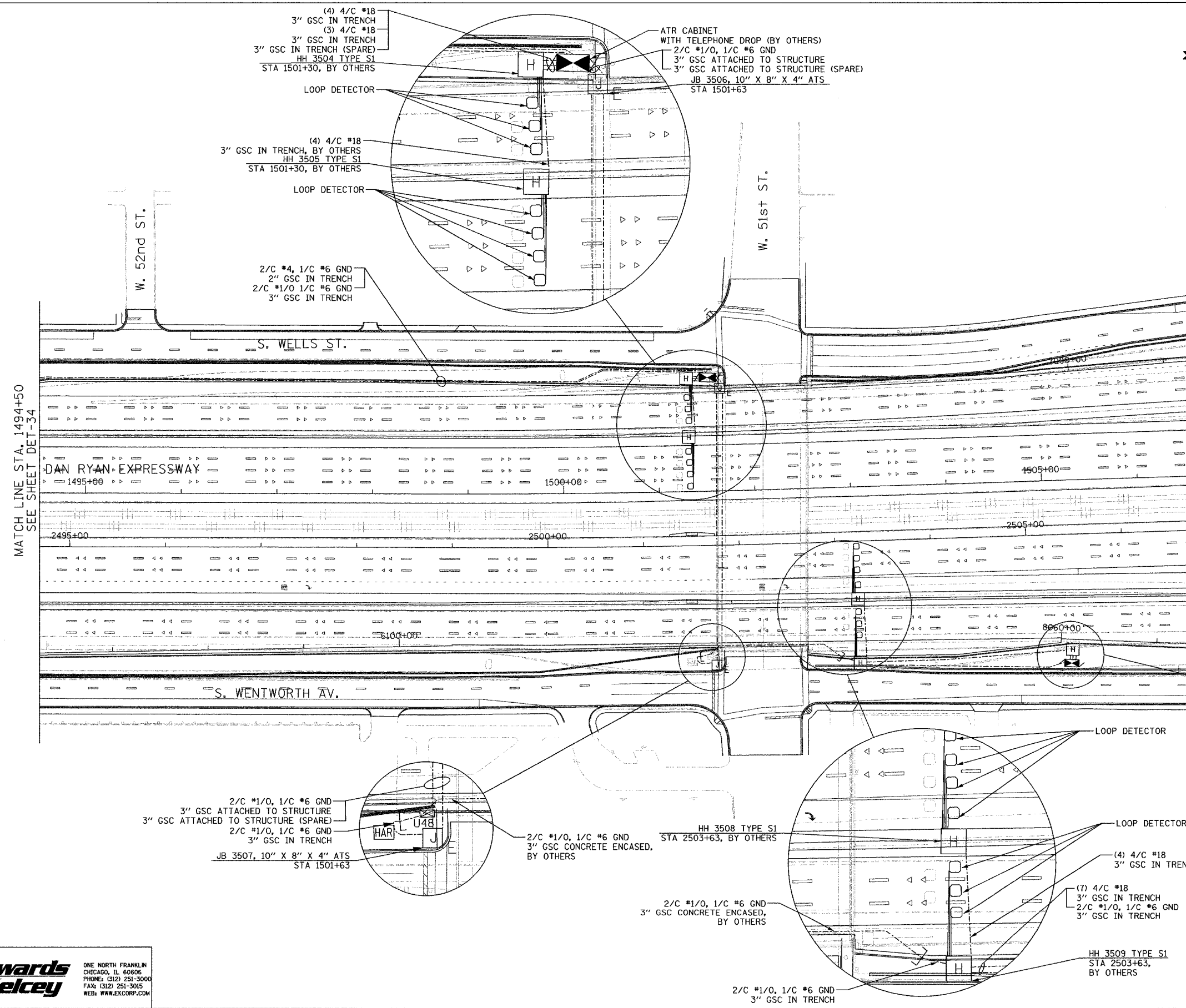
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	748
STA. 1494+50	TO STA. 1506+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



NOTES:

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- FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
- FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53
- FOR JUNCTION BOX/ ATTACHED CONDUIT INSTALLATION SEE SHEET ME-05



DET-35

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 DETECTOR SYSTEM
 51ST ST. SITE LAYOUT
 ATR STATION

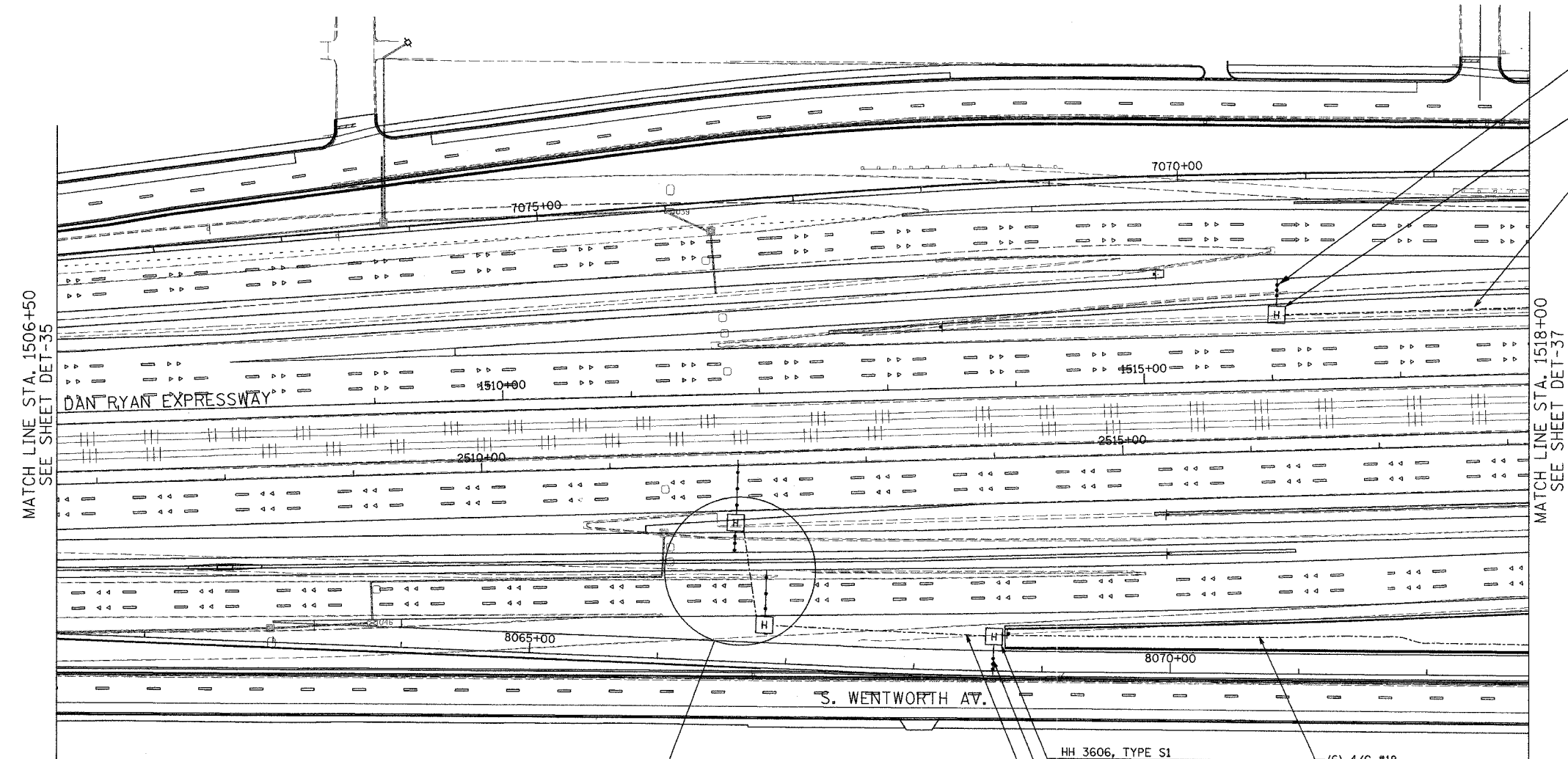
SCALE: 1"=50'
 DATE: October 29, 2004

DRAWN BY: CJH
 CHECKED BY: MJL

**Edwards
 AND
 Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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11/23/2004 02:05:14 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	749
STA. 1506+50 TO STA. 1518+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



MATCH LINE STA. 1506+50
SEE SHEET DET-35

MATCH LINE STA. 1518+00
SEE SHEET DET-37

3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
HH 3602, TYPE S1
STA 1516+05, BY OTHERS
4/C #18
2" GSC IN TRENCH

3" PEC IN TRENCH, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

HH 3606, TYPE S1
STA 8068+62, BY OTHERS
3" PEC IN TRENCH, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
(5) 4/C #18
2" GSC IN TRENCH, BY OTHERS

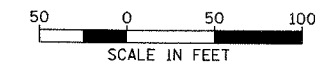
(6) 4/C #18
2" GSC IN TRENCH

HH 3604, TYPE S1
STA 2512+00, BY OTHERS

(3) 4/C #18
2" GSC IN TRENCH, BY OTHERS

HH 3605, TYPE S1
STA 2512+17, BY OTHERS

- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



SCALE IN FEET

DET-36

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
RAMP METERING AND DETECTOR SYSTEM
50TH ST. SITE LAYOUT
DET-39, DET-40

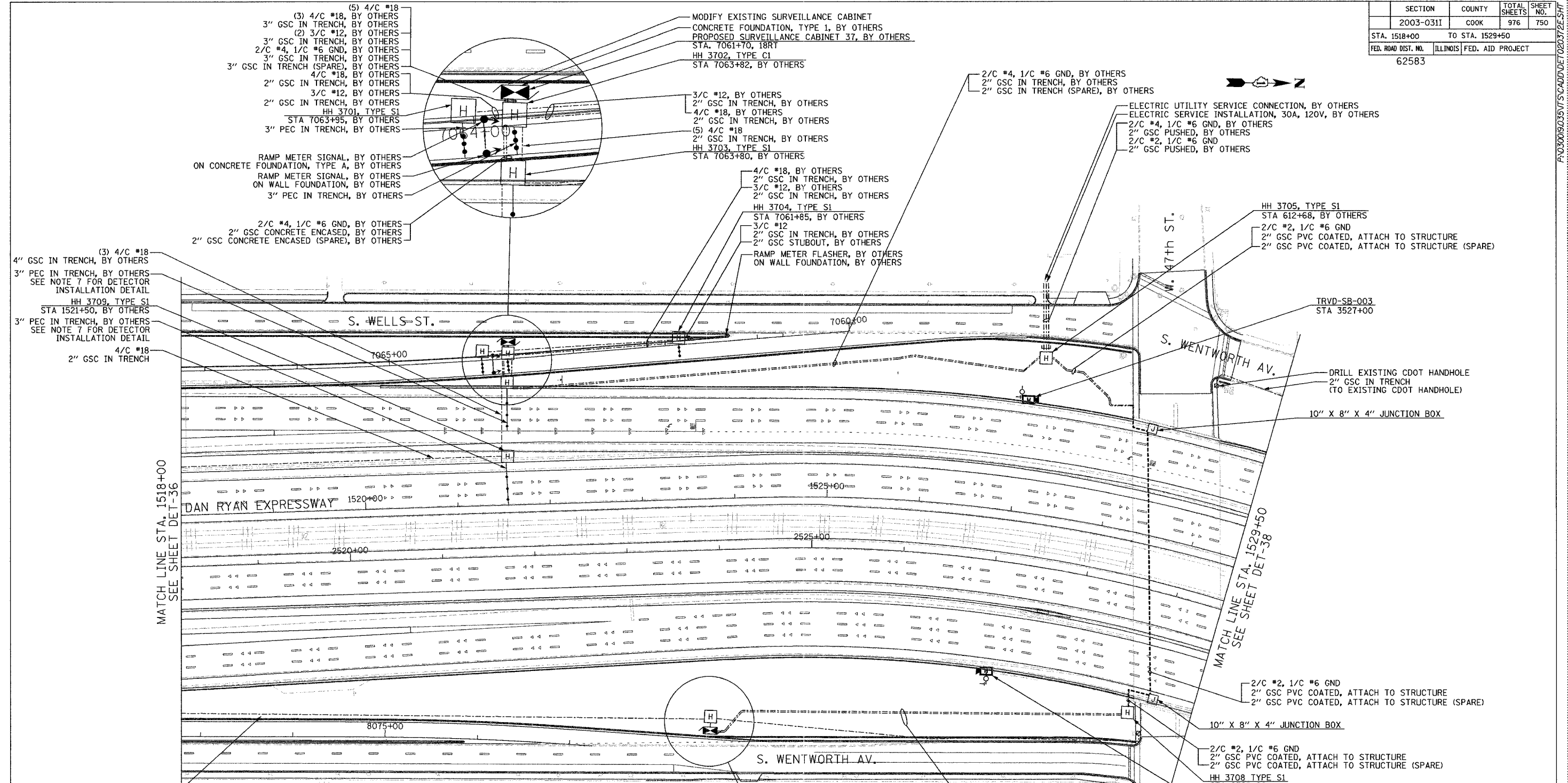
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DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

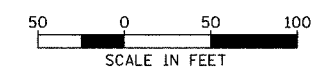
**Edwards
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Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKORP.COM

A:\030019\0311\1518+00\det36.dwg 20031029 10:50:13 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	750
STA. 1518+00	TO STA. 1529+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 62583			



- NOTES:**
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 - FOR TEMPORARY DETECTION DETAILS SEE SHEETS DT-53 TO DT-55.
 - FOR JUNCTION BOX / ATTACHED CONDUIT INSTALLATION, SEE SHEET ME-05.



REVISIONS		DATE
NAME		

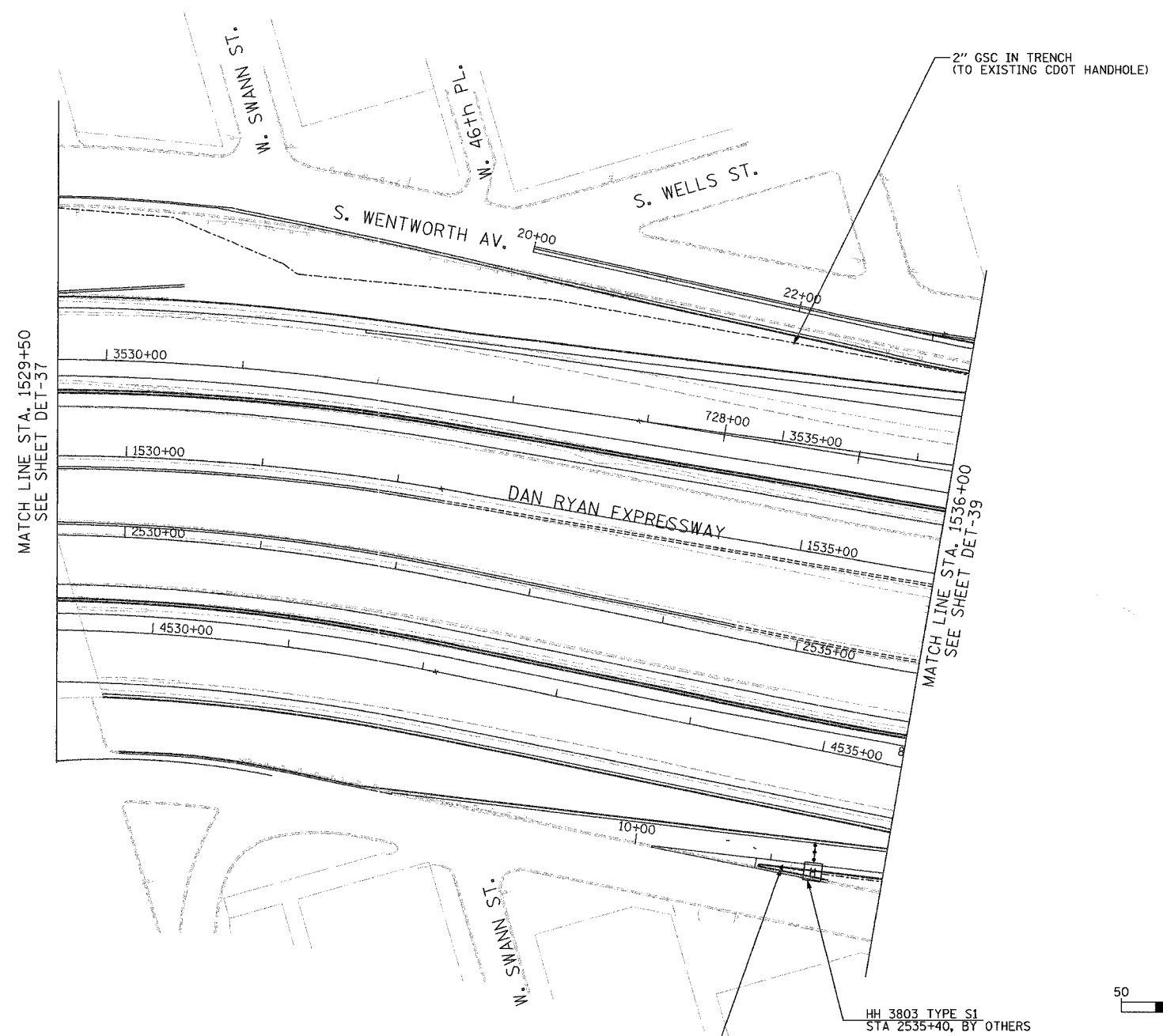
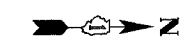
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
RAMP METERING AND DETECTOR SYSTEM
47TH ST. SITE LAYOUT
DET-39, DET-40, RM-16

SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: CJH
CHECKED BY: MJL

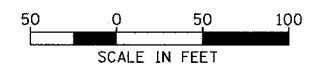
Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKORP.COM

11/23/2004 02:11:40 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	751
STA. 1529+50 TO STA. 1536+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
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 7. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 8. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-38

RAMP METER FLASHER,
ON WALL FOUNDATION, BY OTHERS

HH 3803 TYPE S1
STA 2535+40, BY OTHERS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 DETECTOR SYSTEM
 47TH ST. SITE LAYOUT
 DET-42

SCALE: 1"=50'
 DATE: October 29, 2004

DRAWN BY: CJH
 CHECKED BY: MJL

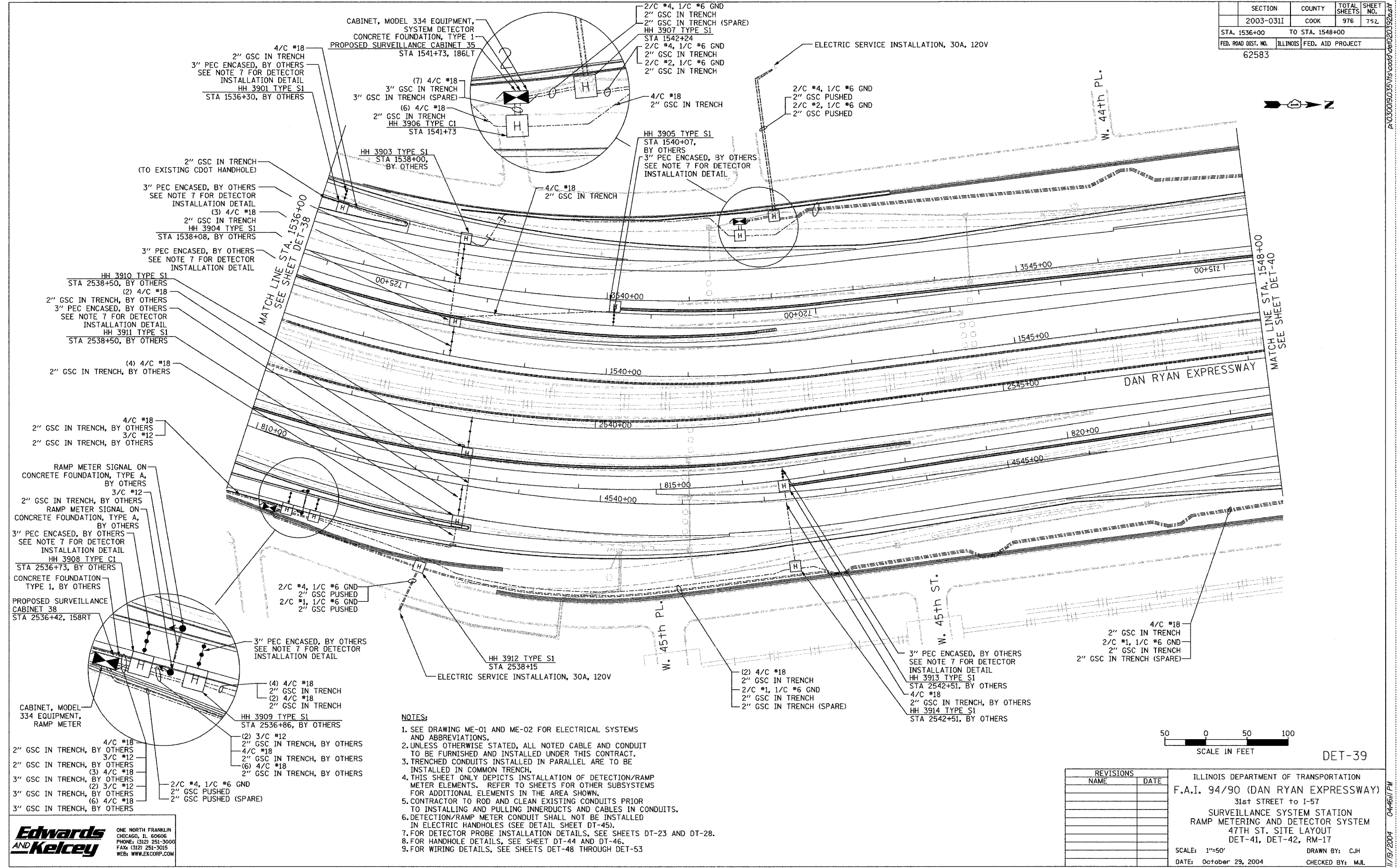
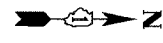
**Edwards
AND
Kelcey**

ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

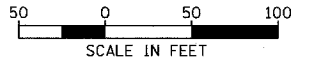
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11/23/2004 09:06:17 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	752
STA. 1536+00	TO STA. 1548+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
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 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.



REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 47TH ST. SITE LAYOUT
 DET-41, DET-42, RM-17

SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

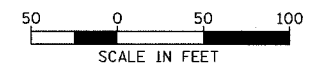
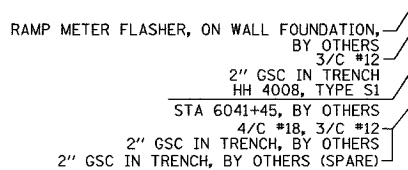
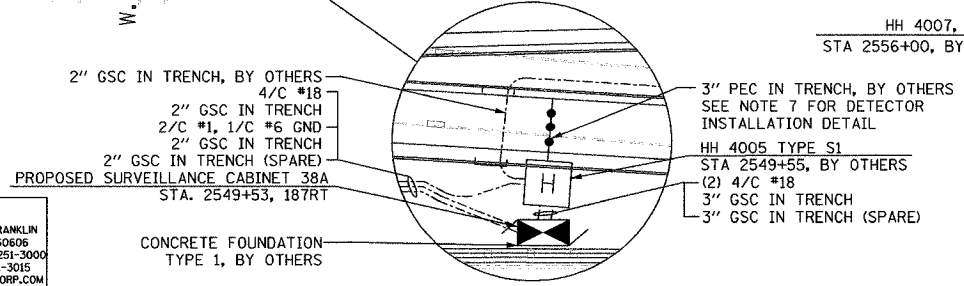
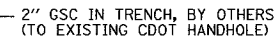
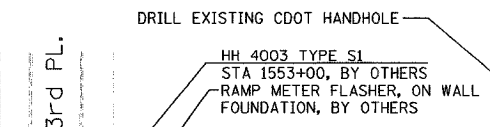
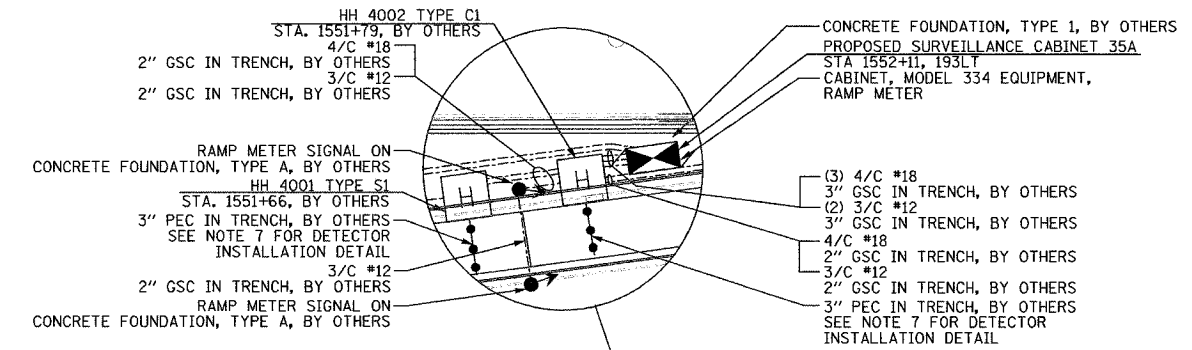
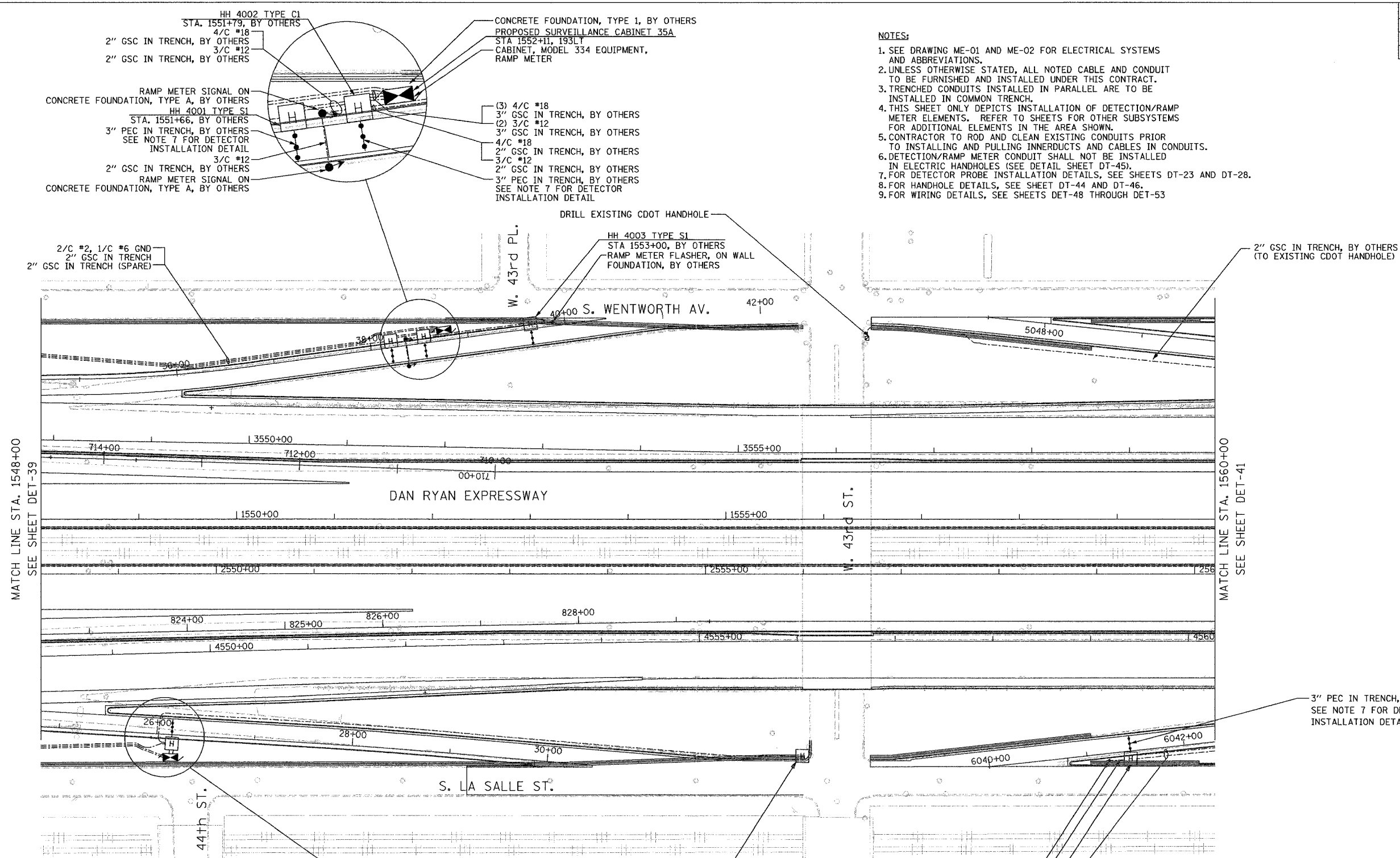
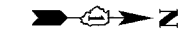
**Edwards
 AND Kelcey**

ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

11/19/2004 04:46:11 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	753
STA. 1548+00	TO STA. 1560+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - DETECTION/RAMP METER CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



DET-40

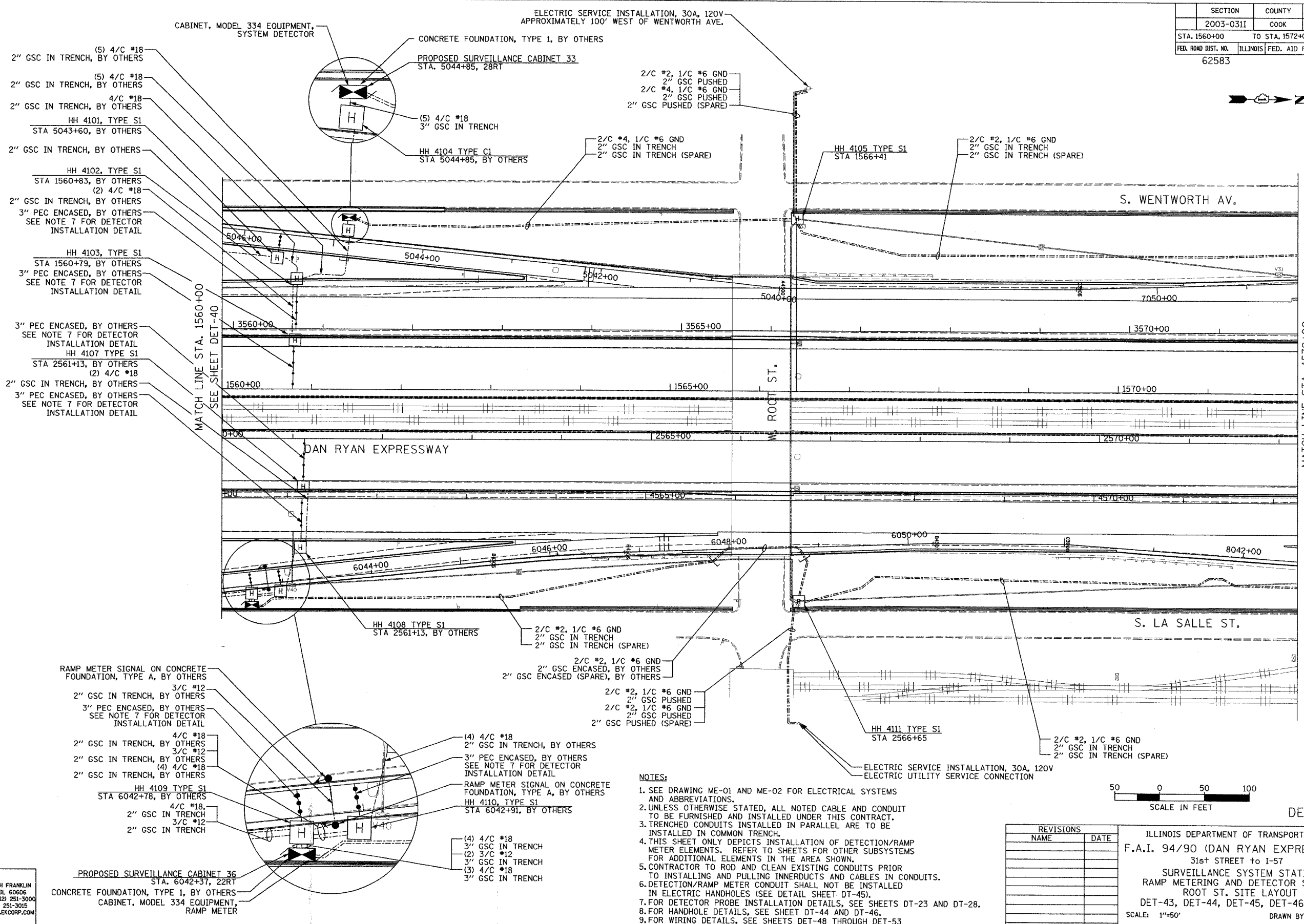
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING SYSTEM
 43RD ST. SITE LAYOUT
 DET-43, RM-17A, RM-18
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
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11/19/2004 04:46:14 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-031I	COOK	976	754
STA. 1560+00 TO STA. 1572+00			
FED. ROAD DIST. NO. 62583		ILLINOIS FED. AID PROJECT	



- (5) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- (5) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 4/C #18
2" GSC IN TRENCH, BY OTHERS
- HH 4101, TYPE S1
STA 5043+60, BY OTHERS
- 2" GSC IN TRENCH, BY OTHERS
- HH 4102, TYPE S1
STA 1560+83, BY OTHERS
- (2) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
- HH 4103, TYPE S1
STA 1560+79, BY OTHERS
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
- HH 4107 TYPE S1
STA 2561+13, BY OTHERS
- (2) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

- RAMP METER SIGNAL ON CONCRETE
FOUNDATION, TYPE A, BY OTHERS
- 3/C #12
2" GSC IN TRENCH, BY OTHERS
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
- 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 3/C #12
2" GSC IN TRENCH, BY OTHERS
- (4) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- HH 4109 TYPE S1
STA 6042+78, BY OTHERS
- 4/C #18
2" GSC IN TRENCH
- 3/C #12
2" GSC IN TRENCH

- (4) 4/C #18
3" GSC IN TRENCH
- (2) 3/C #12
3" GSC IN TRENCH
- (3) 4/C #18
3" GSC IN TRENCH

- 2/C #2, 1/C #6 GND
2" GSC PUSHED
- 2/C #4, 1/C #6 GND
2" GSC PUSHED
- 2" GSC PUSHED (SPARE)

- 2/C #4, 1/C #6 GND
2" GSC IN TRENCH
- 2" GSC IN TRENCH (SPARE)

- 2/C #2, 1/C #6 GND
2" GSC IN TRENCH
- 2" GSC IN TRENCH (SPARE)

- 2/C #2, 1/C #6 GND
2" GSC IN TRENCH
- 2" GSC IN TRENCH (SPARE)

- 2/C #2, 1/C #6 GND
2" GSC ENCASED, BY OTHERS
- 2" GSC ENCASED (SPARE), BY OTHERS

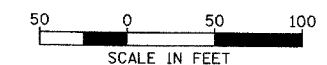
- 2/C #2, 1/C #6 GND
2" GSC PUSHED
- 2/C #2, 1/C #6 GND
2" GSC PUSHED
- 2" GSC PUSHED (SPARE)

- (4) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL
- RAMP METER SIGNAL ON CONCRETE
FOUNDATION, TYPE A, BY OTHERS
- HH 4110, TYPE S1
STA 6042+91, BY OTHERS

- (4) 4/C #18
3" GSC IN TRENCH
- (2) 3/C #12
3" GSC IN TRENCH
- (3) 4/C #18
3" GSC IN TRENCH

NOTES:

1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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4. THIS SHEET ONLY DEPICTS INSTALLATION OF DETECTION/RAMP METER ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
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8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53



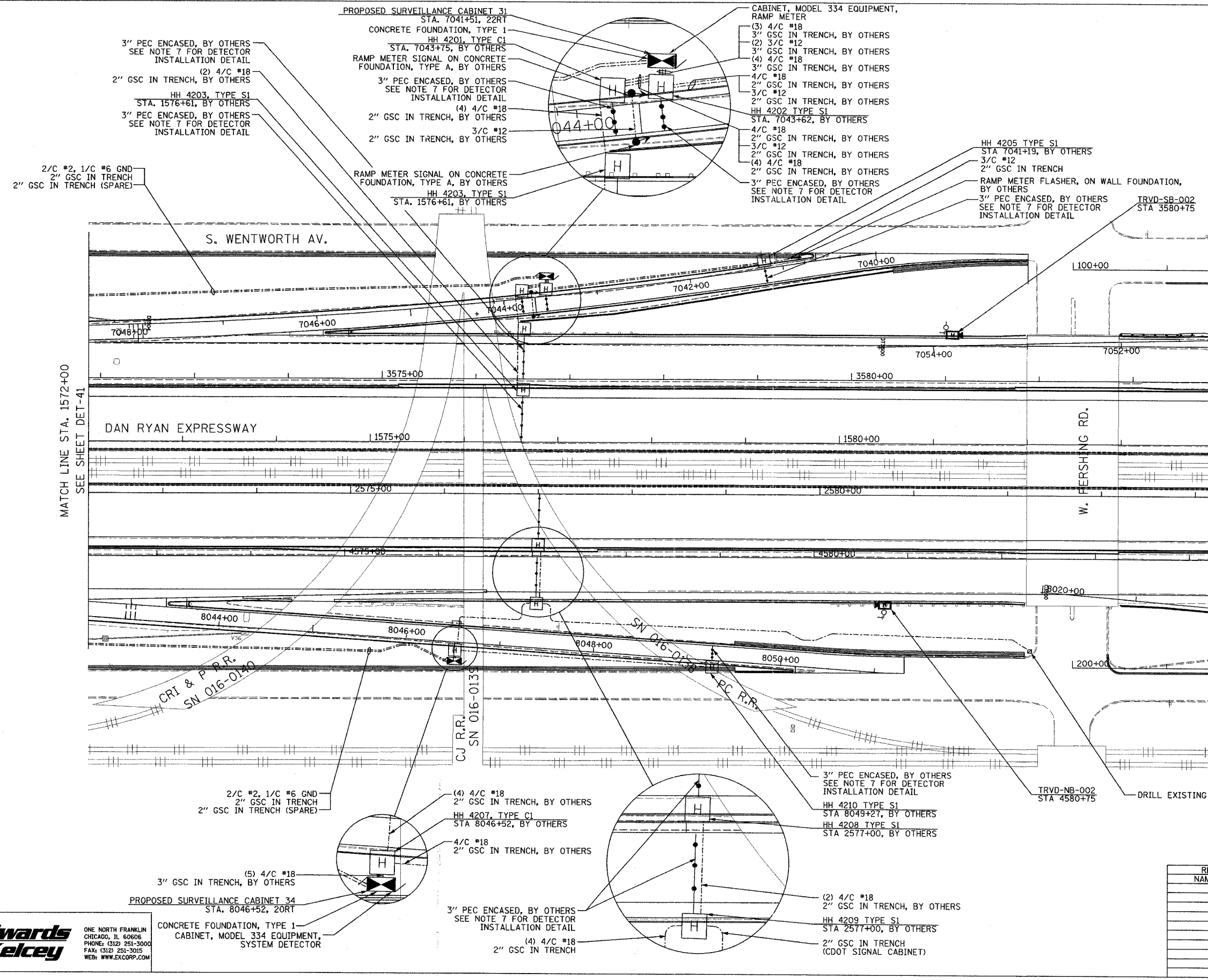
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE SYSTEM STATION
 RAMP METERING AND DETECTOR SYSTEM
 ROOT ST. SITE LAYOUT
 DET-43, DET-44, DET-45, DET-46, RM-18
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL

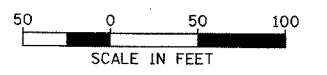
**Edwards
 AND Kelcey**
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 CHICAGO, IL 60606
 PHONE: (312) 251-3000
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 10/29/2004 08:51:51 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	755
STA. 1572+00 TO STA. 1584+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:**
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 - FOR TEMPORARY DETECTION DETAILS SEE SHEETS DT-53 TO DT-55.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57 SURVEILLANCE SYSTEM STATION RAMP METERING AND DETECTOR SYSTEM ROOT ST. SITE LAYOUT DET-45, DET-46, RM-19
NAME	DATE	
		SCALE: 1"=50'
		DATE: October 29, 2004
		DRAWN BY: CJH
		CHECKED BY: MJL

Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 FAX: (312) 251-3015
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CONCRETE FOUNDATION, TYPE 1
 CABINET, MODEL 334 EQUIPMENT,
 SYSTEM DETECTOR

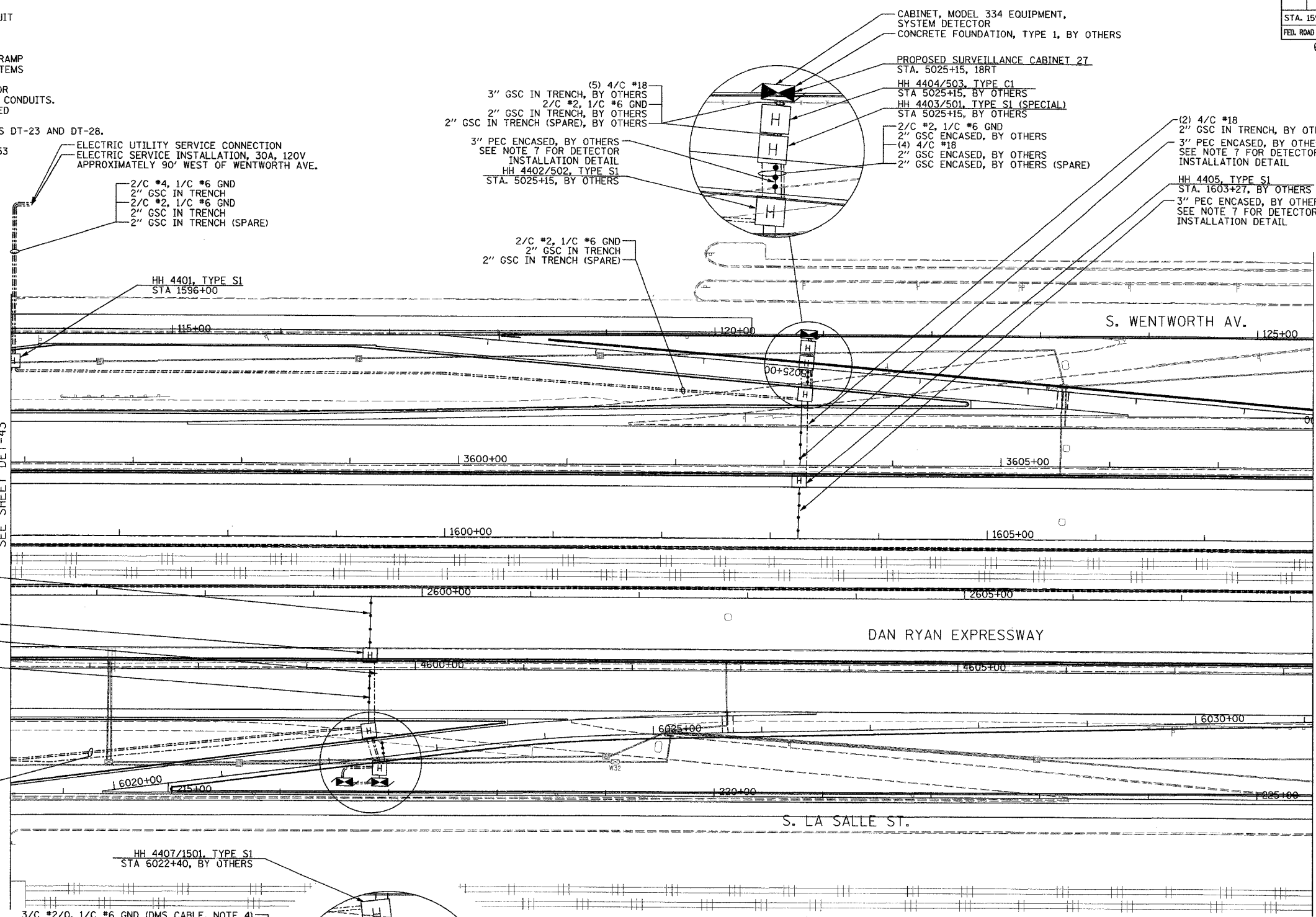
DET-42

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NOTES:

1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
2. UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	757
STA. 1596+00 TO STA. 1608+00			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		62583	



2/C #4, 1/C #6 GND
2" GSC IN TRENCH
2/C #2, 1/C #6 GND
2" GSC IN TRENCH
2" GSC IN TRENCH (SPARE)

HH 4401, TYPE S1
STA 1596+00

3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

HH 4406, TYPE S1
STA 2599+52, BY OTHERS
(2) 4/C #18
2" GSC IN TRENCH, BY OTHERS

3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4)
3" GSC IN TRENCH (DMS CONDUIT, NOTE 4)
2" GSC IN TRENCH (SPARE, DMS CONDUIT, NOTE 4)

HH 4407/1501, TYPE S1
STA 6022+40, BY OTHERS

3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4)
3" GSC ENCASED, BY OTHERS
(4) 4/C #18
2" GSC ENCASED, BY OTHERS
2" GSC ENCASED (SPARE), BY OTHERS

3" PEC ENCASED, BY OTHERS
SEE NOTE 7 FOR DETECTOR
INSTALLATION DETAIL

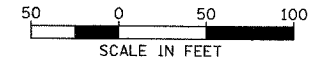
(5) 4/C #18
3" GSC IN TRENCH

CABINET, MODEL 334 EQUIPMENT,
DMS/SYSTEM DETECTOR
CONCRETE FOUNDATION, TYPE 1
PROPOSED SURVEILLANCE CABINET 30
STA. 2599+66, 24RT

3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4)
3" GSC IN TRENCH (DMS CONDUIT, NOTE 4)
2" GSC IN TRENCH (SPARE, DMS CONDUIT, NOTE 4)

SEE SHEET DMS-07 FOR DETAILS
DMS UPS CABINET "DMS-UPS-04"
STA. 6022+12, 20RT

3/C #2/0, 1/C #6 GND (DMS CABLE, NOTE 4)
3" GSC IN TRENCH (DMS CONDUIT, NOTE 4)
3" GSC IN TRENCH (SPARE, DMS CONDUIT, NOTE 4)
HH 4408/1502 TYPE C1
STA 6022+40, BY OTHERS



DET-44

**Edwards
AND Kelcey**

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ANDKELCEY.COM

REVISIONS	
NAME	DATE

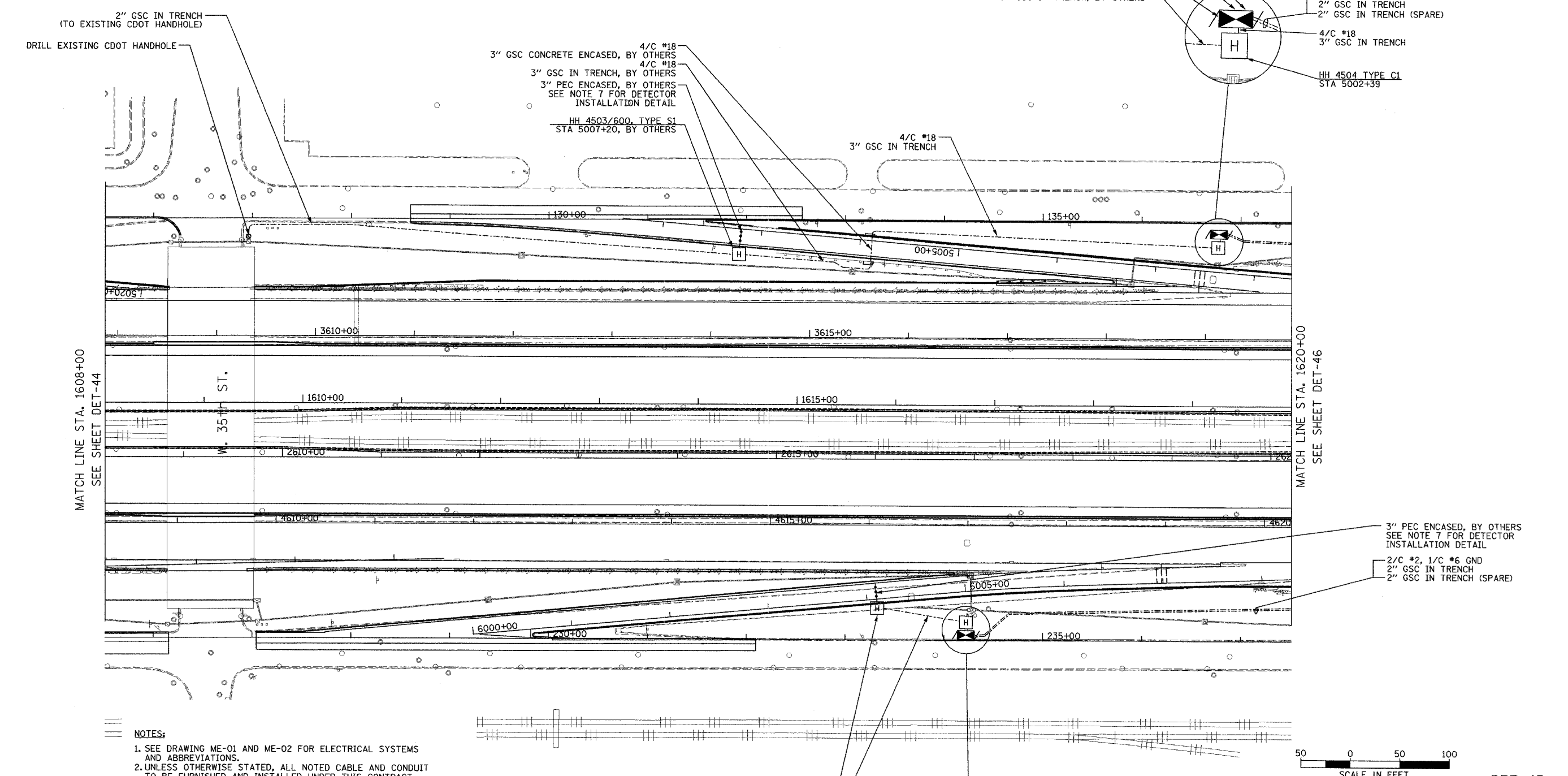
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
37TH ST. SITE LAYOUT
DET-49, DET-50

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

10/15/2004 11:50:45 AM

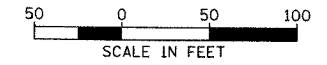
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	758
STA. 1608+00 TO STA. 1620+00		ILLINOIS FED. AID PROJECT	
62583			



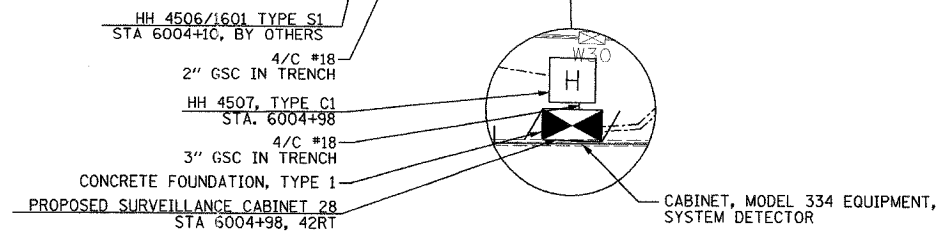
MATCH LINE STA. 1608+00
SEE SHEET DET-44

MATCH LINE STA. 1620+00
SEE SHEET DET-46

- NOTES:**
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 7. FOR DETECTOR PROBE INSTALLATION DETAILS, SEE SHEETS DT-23 AND DT-28.
 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.



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REVISIONS	
NAME	DATE

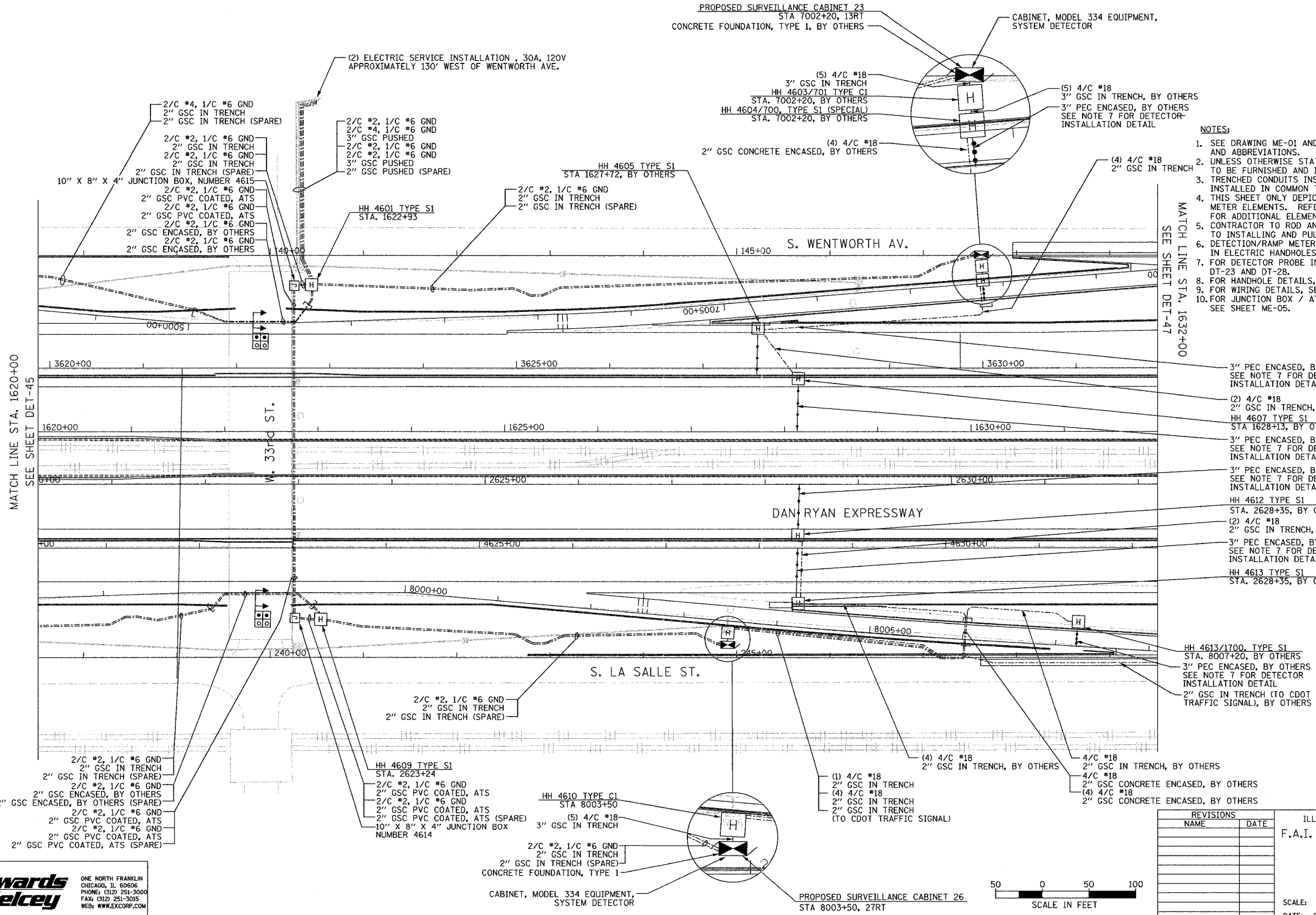
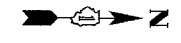
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
35TH ST. SITE LAYOUT
DET-51, DET-52

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: CJH
CHECKED BY: MJL

10/15/2004 11:50:49 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	759
STA. 1620+00 TO STA. 1632+00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	
62583			



- NOTES:**
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 8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53.
 10. FOR JUNCTION BOX / ATTACHED CONDUIT INSTALLATION SEE SHEET ME-05.

- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- (2) 4/C #18
2" GSC IN TRENCH, BY OTHERS
HH 4607 TYPE S1
STA 1628+13, BY OTHERS
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- HH 4612 TYPE S1
STA. 2628+35, BY OTHERS
(2) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- HH 4613 TYPE S1
STA. 2628+35, BY OTHERS

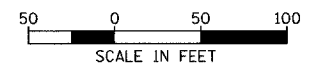
- HH 4613/1700, TYPE S1
STA. 8007+20, BY OTHERS
- 3" PEC ENCASED, BY OTHERS SEE NOTE 7 FOR DETECTOR INSTALLATION DETAIL
- 2" GSC IN TRENCH (TO CDOT TRAFFIC SIGNAL), BY OTHERS

- (1) 4/C #18
2" GSC IN TRENCH
- (4) 4/C #18
2" GSC IN TRENCH
- (4) 4/C #18
2" GSC IN TRENCH (TO CDOT TRAFFIC SIGNAL)
- (4) 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 4/C #18
2" GSC IN TRENCH, BY OTHERS
- 4/C #18
2" GSC CONCRETE ENCASED, BY OTHERS
- (4) 4/C #18
2" GSC CONCRETE ENCASED, BY OTHERS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 SURVEILLANCE SYSTEM STATION
 DETECTOR SYSTEM
 33RD ST. SITE LAYOUT
 DET-53, DET-54

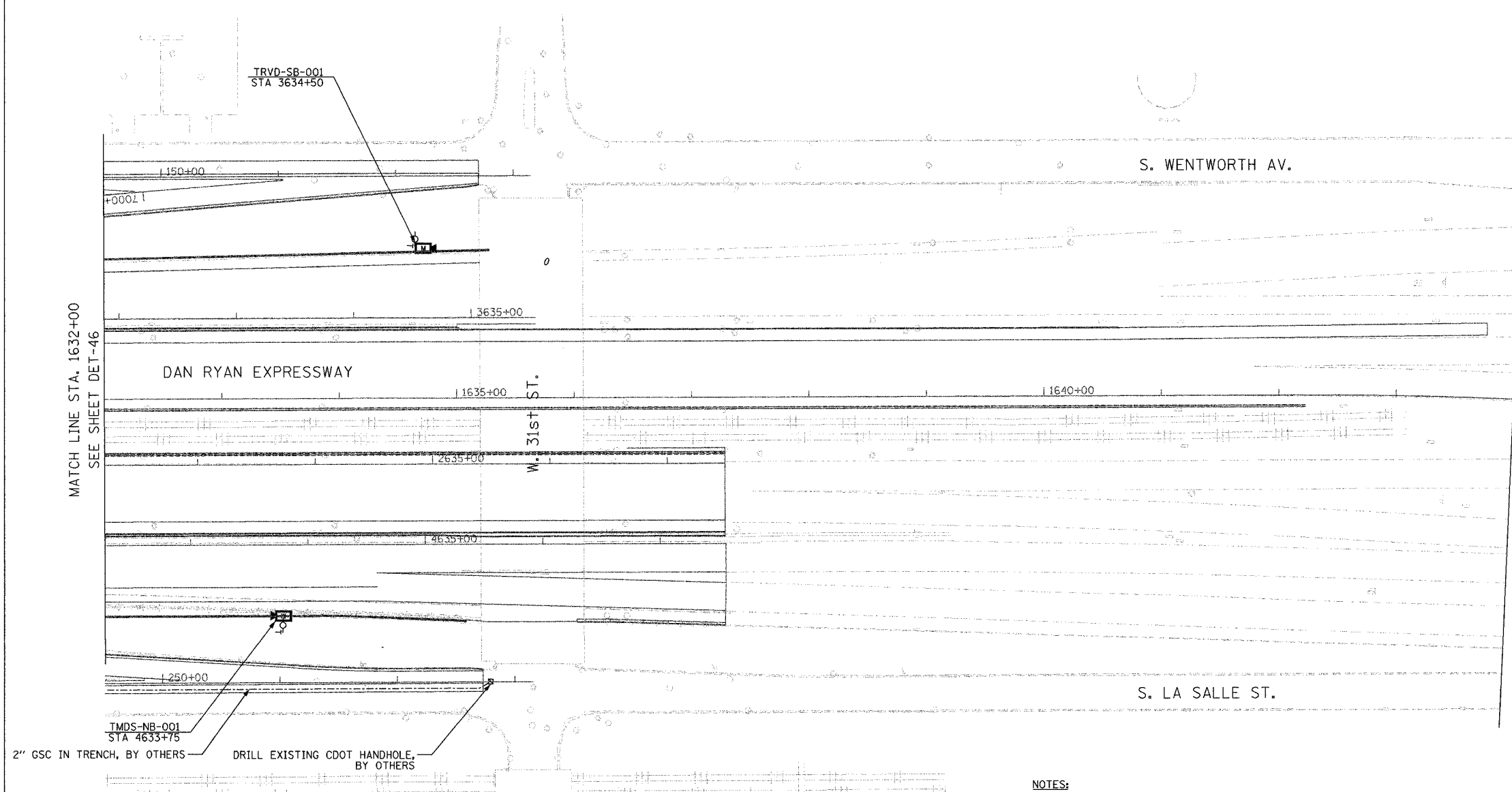
SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: CJH
 CHECKED BY: MJL



Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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11/22/2004 02:15:00 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	760
STA. 1632+00	TO STA. 1644+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			

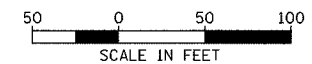


MATCH LINE STA. 1632+00
SEE SHEET DET-46

END PROJECT

NOTES:

1. SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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8. FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
9. FOR WIRING DETAILS, SEE SHEETS DET-48 THROUGH DET-53
10. FOR TEMPORARY DETECTION SEE SHEETS DT-53 TO DT-55.



DET-47

**Edwards
AND
Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
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FAX: (312) 251-3015
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE SYSTEM STATION
DETECTOR SYSTEM
33RD ST. SITE LAYOUT
DET-53

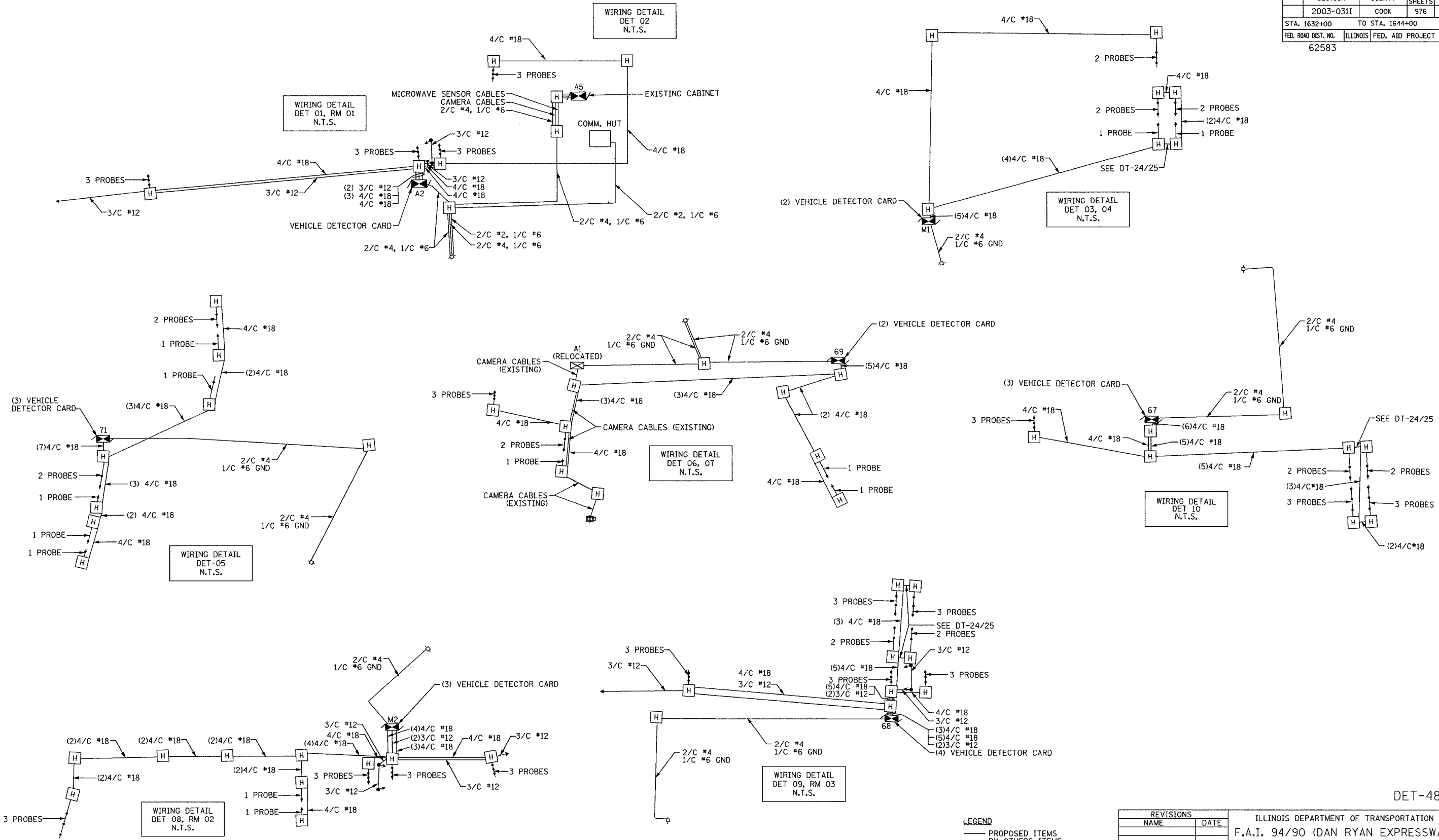
SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: DHI
CHECKED BY: MJL

11/22/2004 02:15:02 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	761
STA. 1632+00	TO STA. 1644+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

P:\0300190.95\1632-1644\DET-48.dwg



LEGEND
 — PROPOSED ITEMS
 - - - BY OTHERS ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57

SURVEILLANCE WIRING DIAGRAMS
 (SHEET 1 OF 6)

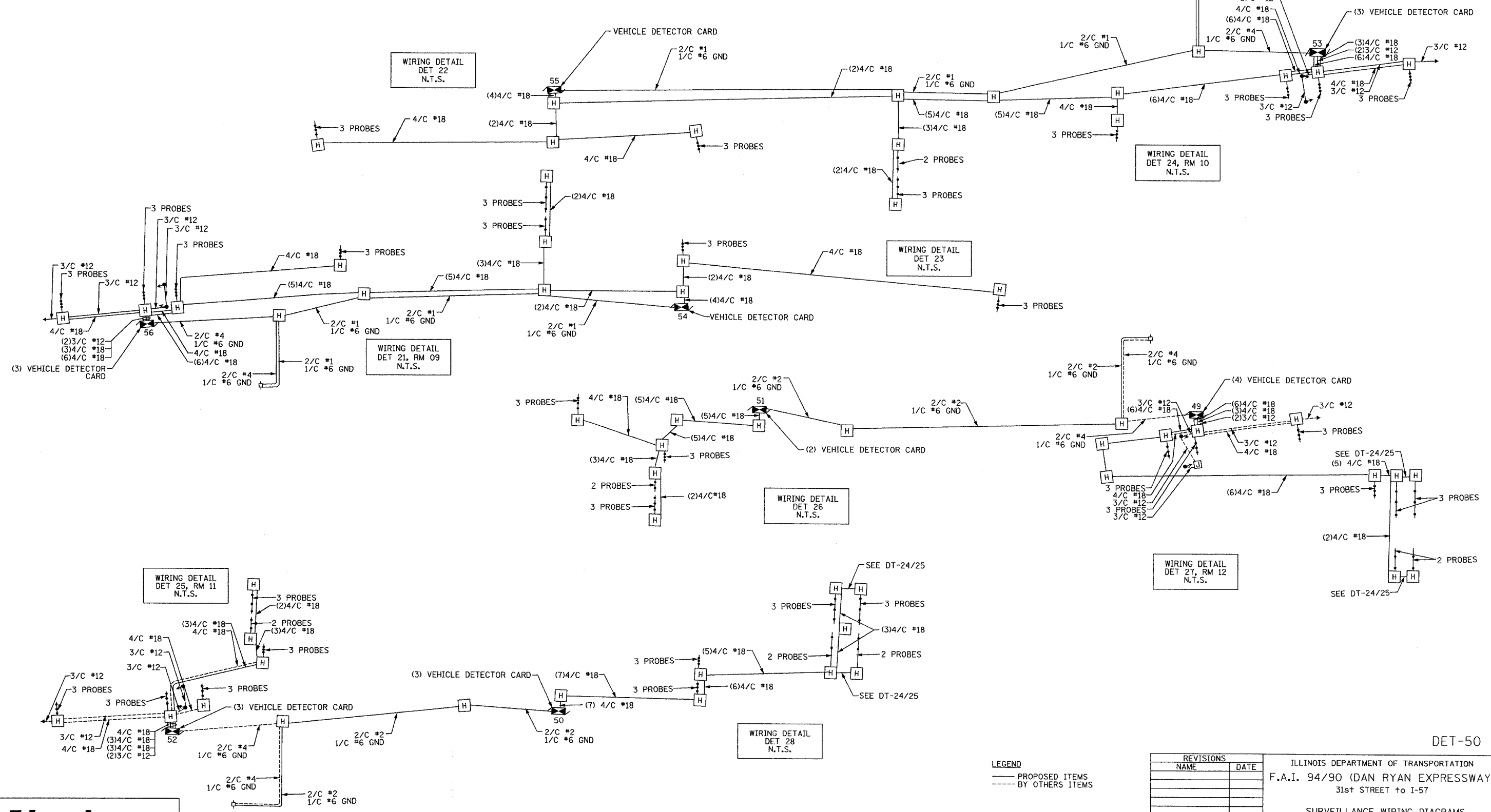
SCALE: NOT TO SCALE
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: MJL

DET-48

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

11/22/2004 04:38:57 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	763
STA. 1632+00 TO STA. 1644+00		ILLINOIS FED. AID PROJECT	
62583			



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AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
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WEB: WWW.EKCCORP.COM

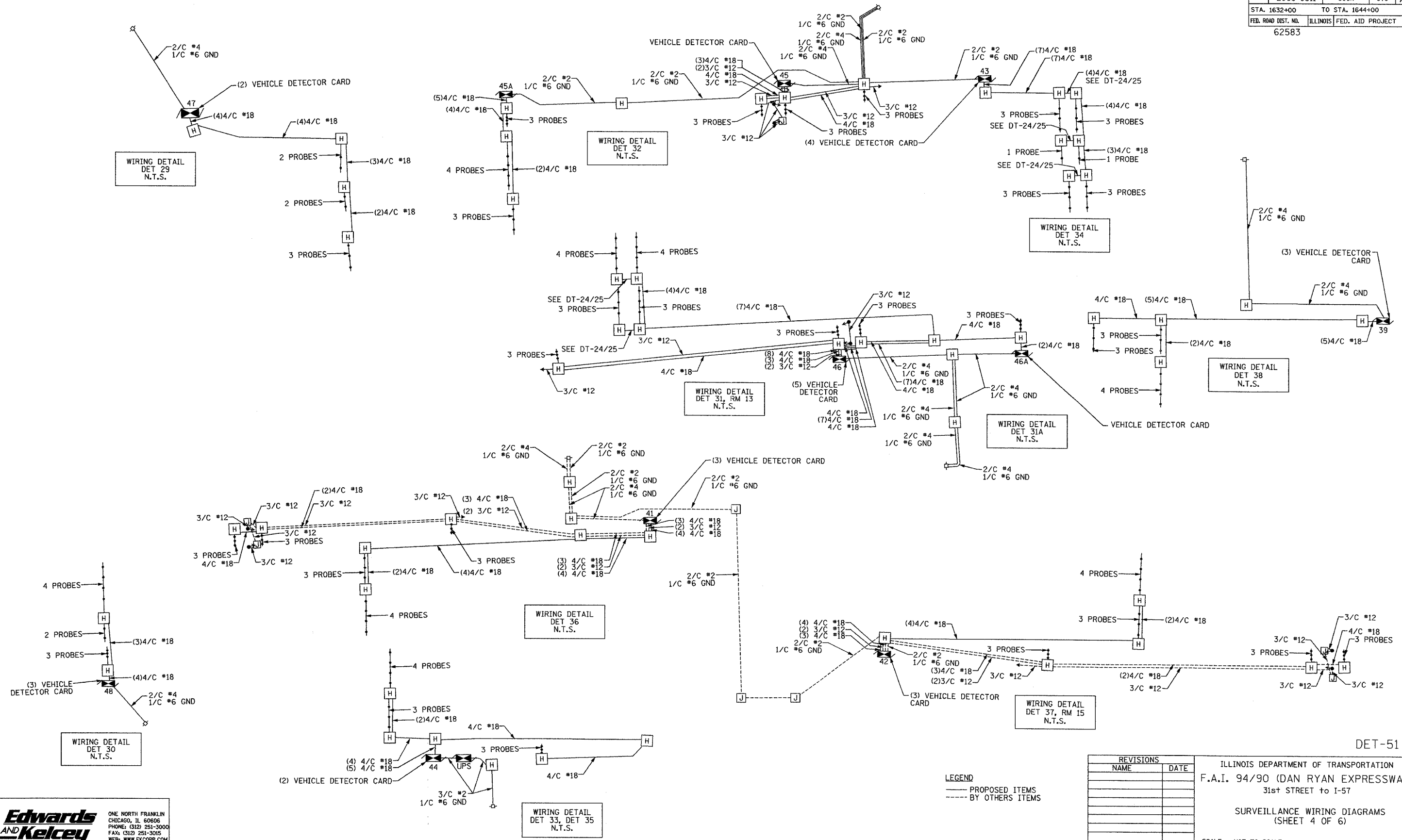
LEGEND
— PROPOSED ITEMS
- - - BY OTHERS ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET to I-57
SURVEILLANCE WIRING DIAGRAMS
(SHEET 3 OF 6)
SCALE: NOT TO SCALE
DATE: October 29, 2004
DRAWN BY: DHI
CHECKED BY: CJH

10/15/2004 11:50:55 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	764
STA. 1632+00	TO STA. 1644+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



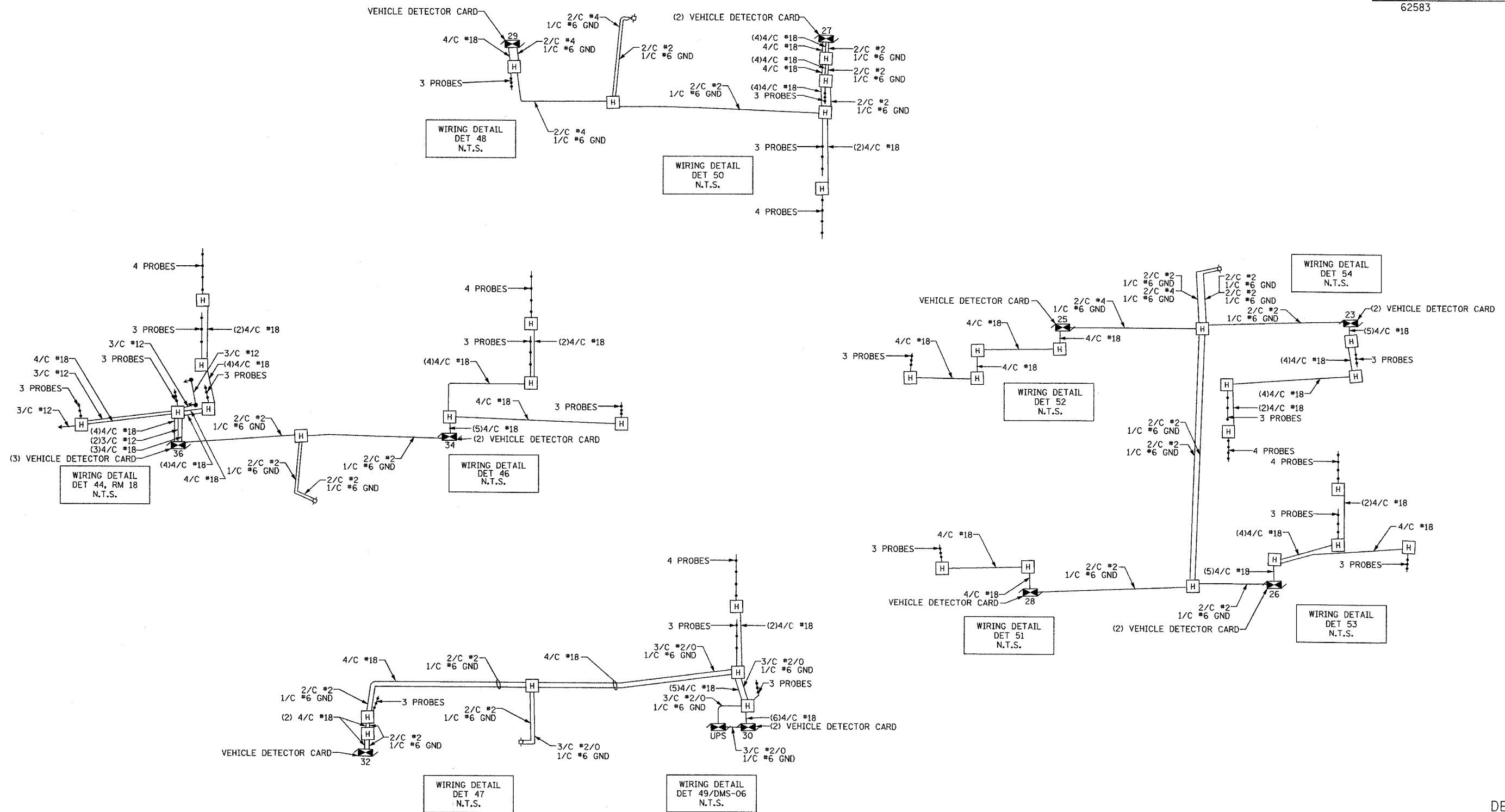
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE WIRING DIAGRAMS
 (SHEET 4 OF 6)
 SCALE: NOT TO SCALE
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: CJH

10/15/2004 11:50:55 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	766
STA. 1632+00 TO STA. 1644+00		ILLINOIS FED. AID PROJECT	
62583			



DET-53

LEGEND
 — PROPOSED ITEMS
 - - - BY OTHERS ITEMS

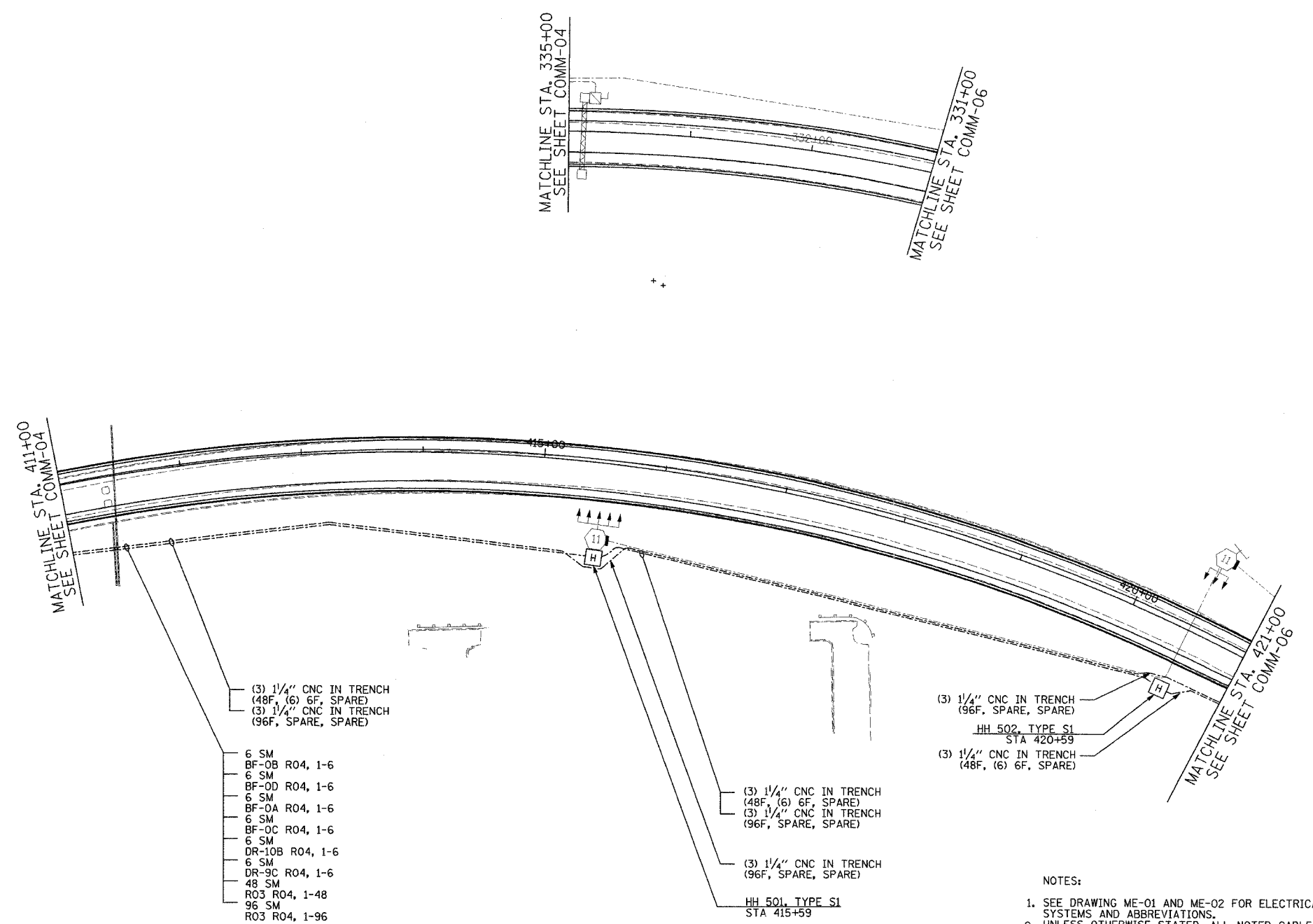
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 SURVEILLANCE WIRING DIAGRAMS
 (SHEET 6 OF 6)
 SCALE: NOT TO SCALE
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: CJH

**Edwards
 AND Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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10/15/2004 11:50:56 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	771
STA. 335+00/411+00 TO STA. 330+50/421+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

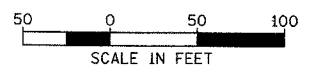


- (3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
- 6 SM
- BF-OB R04, 1-6
- 6 SM
- BF-OD R04, 1-6
- 6 SM
- BF-0A R04, 1-6
- 6 SM
- BF-0C R04, 1-6
- 6 SM
- DR-10B R04, 1-6
- 6 SM
- DR-9C R04, 1-6
- 48 SM
- R03 R04, 1-48
- 96 SM
- R03 R04, 1-96

- (3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
- HH 501, TYPE S1 STA 415+59

- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
- HH 502, TYPE S1 STA 420+59
- (3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)

- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF COMMUNICATIONS ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



COMM-05

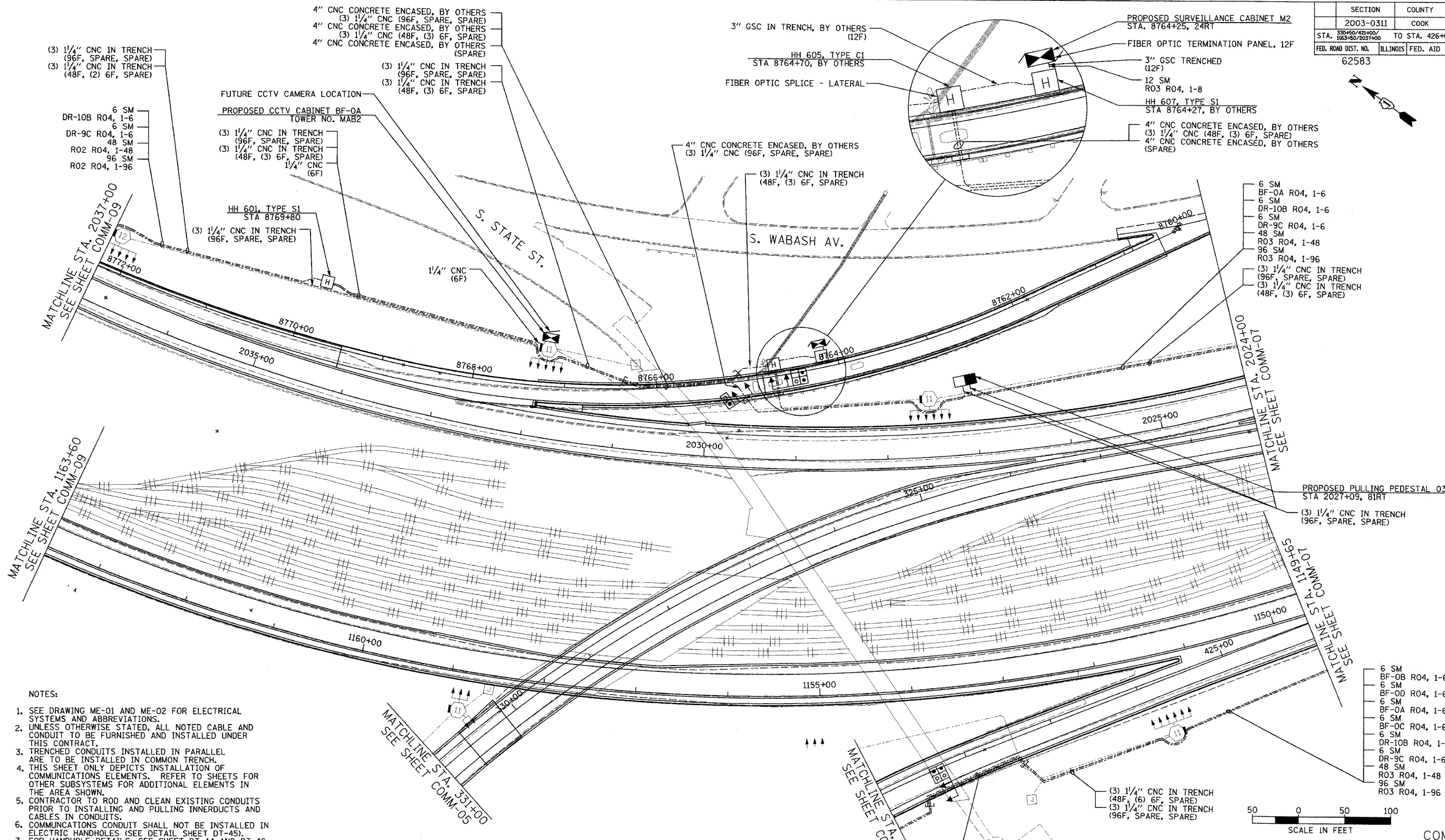
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: YAD
 CHECKED BY: JEZ

10/14/2004 01:01:59 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	772
STA. 1163+50/2037+00		TO STA. 426+00/2024+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH (48F, (2) 6F, SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (96F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (48F, (3) 6F, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

3" GSC IN TRENCH, BY OTHERS (12F)
HH 605, TYPE C1 STA 8764+70, BY OTHERS
FIBER OPTIC SPLICE - LATERAL

PROPOSED SURVEILLANCE CABINET M2 STA. 8764+25, 24RT
FIBER OPTIC TERMINATION PANEL, 12F
3" GSC TRENCHED (12F)
12 SM R03 R04, 1-8
HH 607, TYPE S1 STA 8764+27, BY OTHERS
4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (48F, (3) 6F, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

6 SM DR-10B R04, 1-6
6 SM DR-9C R04, 1-6
48 SM R02 R04, 1-48
96 SM R02 R04, 1-96

FUTURE CCTV CAMERA LOCATION
PROPOSED CCTV CABINET BF-0A TOWER NO. MAB2
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)
1/4" CNC (6F)

4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)

HH 601, TYPE S1 STA 8769+80
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

6 SM BF-0A R04, 1-6
6 SM DR-10B R04, 1-6
6 SM DR-9C R04, 1-6
48 SM R03 R04, 1-48
96 SM R03 R04, 1-96
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)

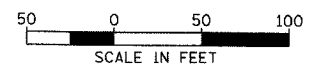
MATCHLINE STA. 1163+60
SEE SHEET COMM-09

MATCHLINE STA. 2024+00
SEE SHEET COMM-07

PROPOSED PULLING PEDESTAL O3 STA 2027+09, 81RT
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

- NOTES:
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 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.

6 SM BF-0B R04, 1-6
6 SM BF-0D R04, 1-6
6 SM BF-0A R04, 1-6
6 SM BF-0C R04, 1-6
6 SM DR-10B R04, 1-6
6 SM DR-9C R04, 1-6
48 SM R03 R04, 1-48
96 SM R03 R04, 1-96



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4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (48F, (6) 6F, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (96F, SPARE, SPARE)

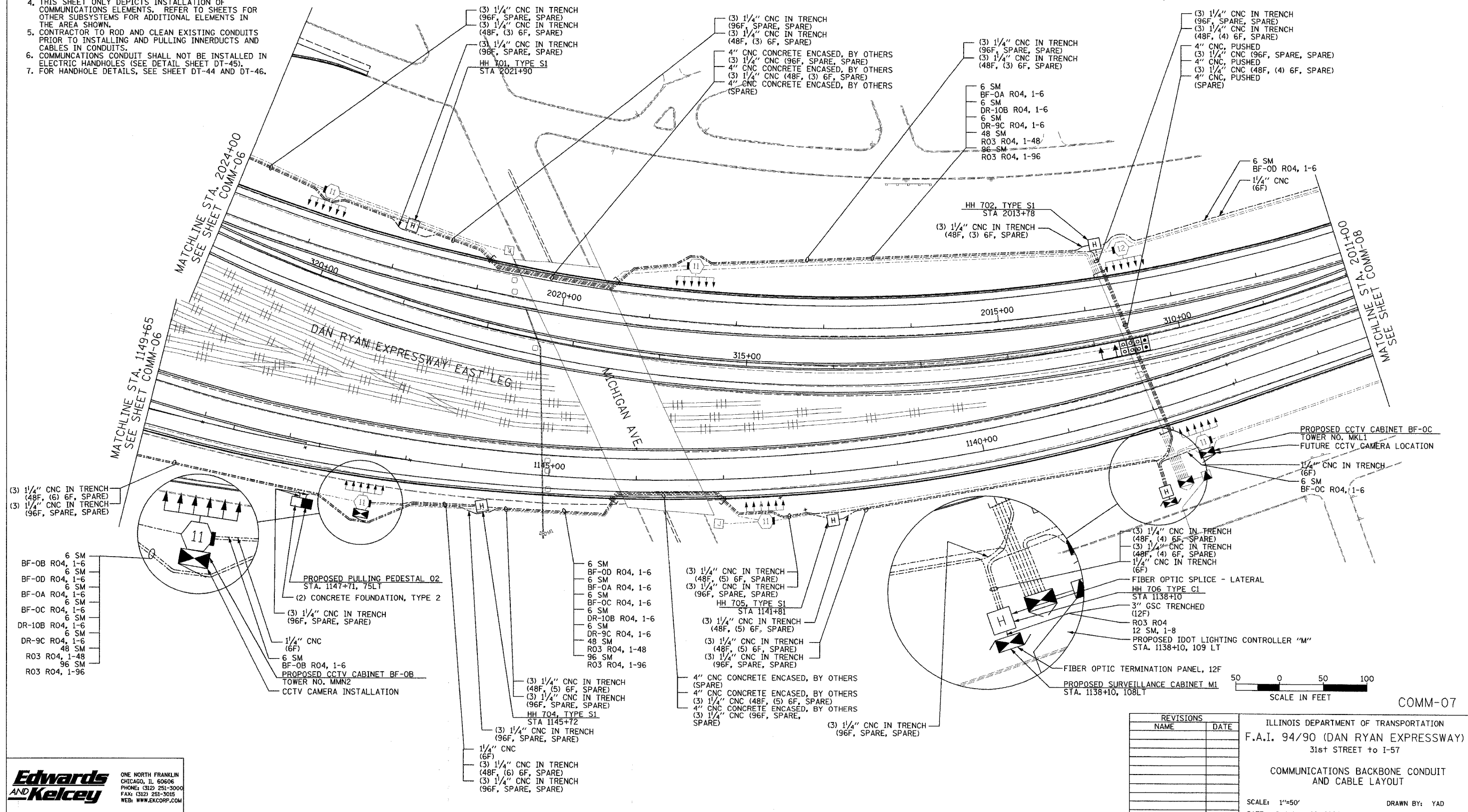
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT
SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: YAD
CHECKED BY: JEZ

10/14/2004 08:03:33 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-031I	COOK	976	773
STA. 426+00/2024+00 TO STA. 2011+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



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 CHICAGO, IL 60606
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 FAX: (312) 251-3015
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REVISIONS	
NAME	DATE

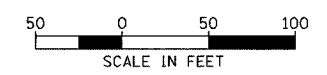
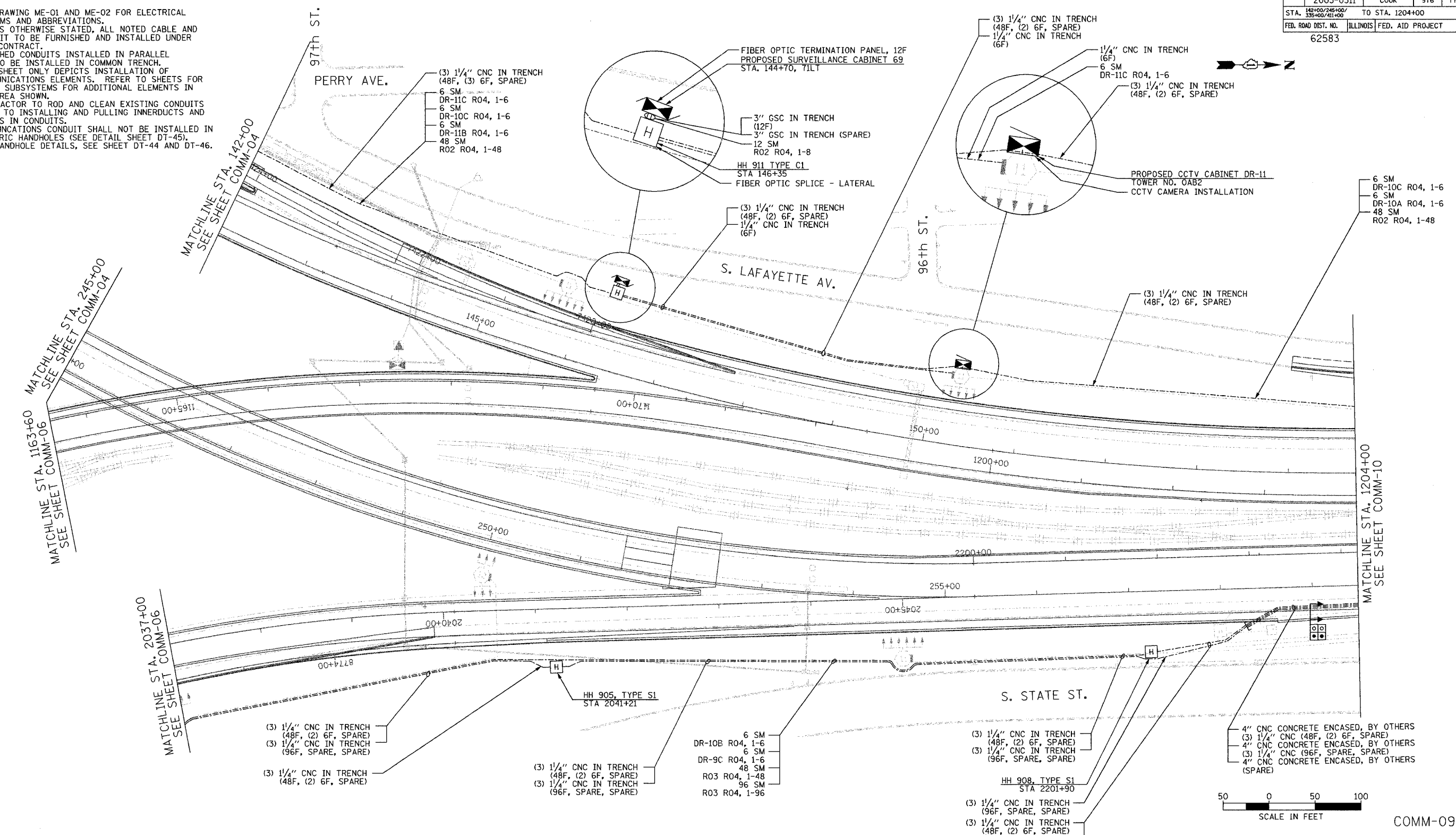
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: YAD
 CHECKED BY: JEZ

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	775
STA. 142+00/245+00/335+00/401+00	TO STA. 1204+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

NOTES:

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- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57

COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT

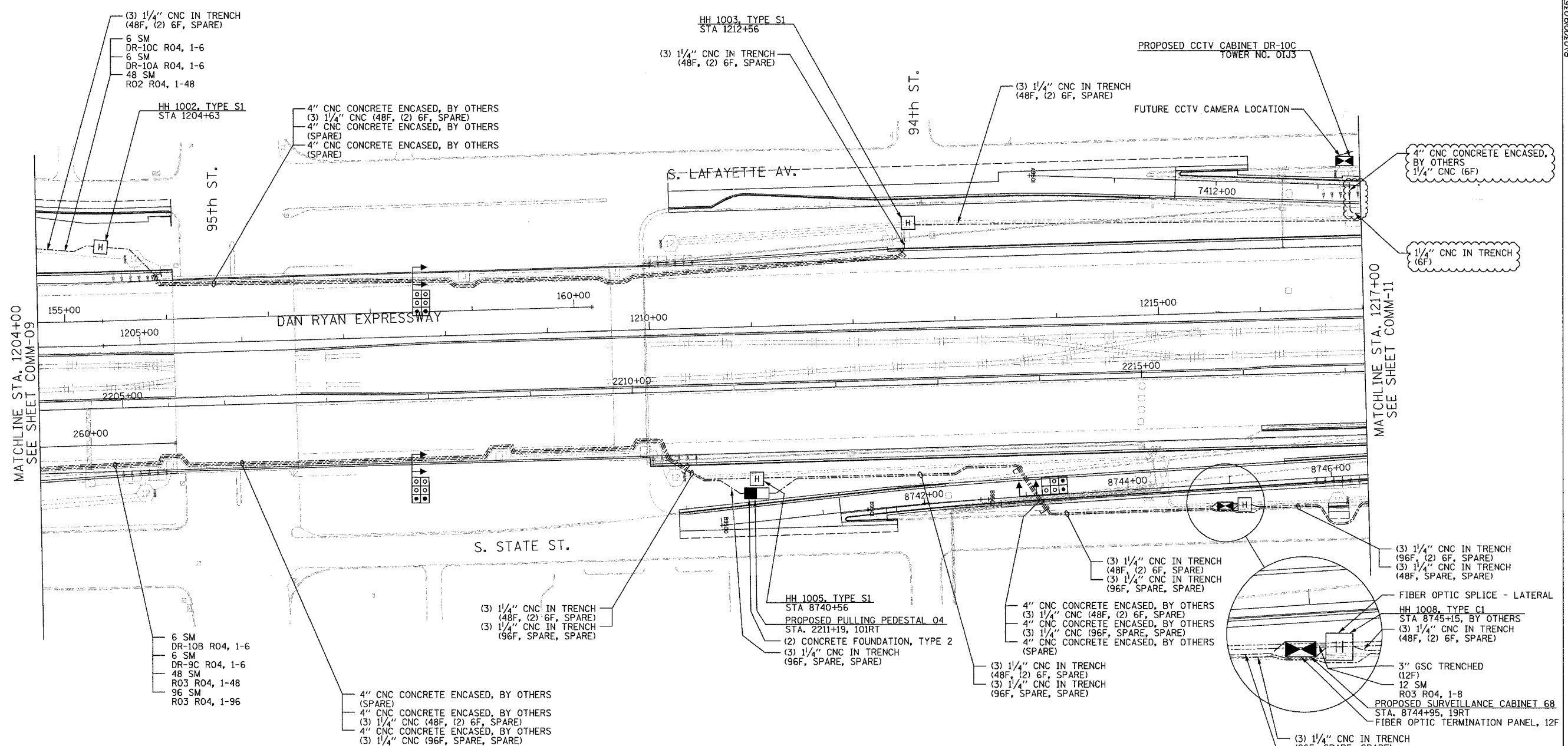
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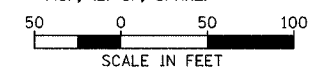
Edwards AND Kelcey
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 CHICAGO, IL 60606
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 FAX: (312) 251-3015
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P:\030105\035\115\road\comm\02009\2e-87 11/23/2004 01:07:52 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	776
STA. 1204+00	TO STA. 1217+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



REVISIONS	
NAME	DATE
REVISION 1	12/17/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57

COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT

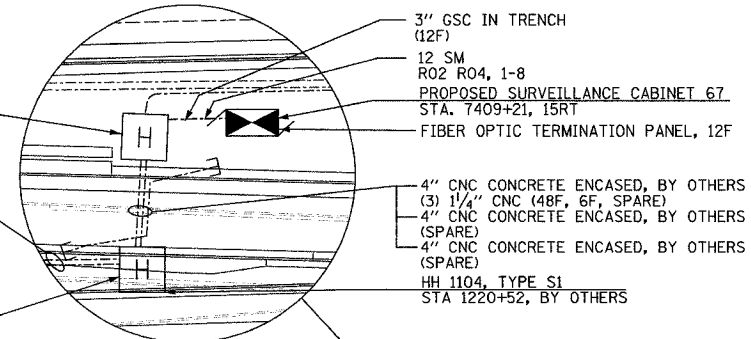
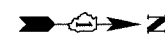
SCALE: 1"=50'
 DATE: October 29, 2004

DRAWN BY: YAD
 CHECKED BY: JEZ

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

F:\030019\03\5\VT\SCADD\COM\M020102L.SHT 12/10/2004 10:00:03 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	777
STA. 1217+00	TO STA. 1230+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



HH 1101, TYPE C1
STA 7407+10, BY OTHERS

1/4" CNC IN TRENCH (6F)
(3) 1/4" CNC IN TRENCH (48F, (2) 6F, SPARE)

FIBER OPTIC SPLICE - LATERAL

3" GSC IN TRENCH (12F)

12 SM R02 R04, 1-8

PROPOSED SURVEILLANCE CABINET 67
STA. 7409+21, 15RT

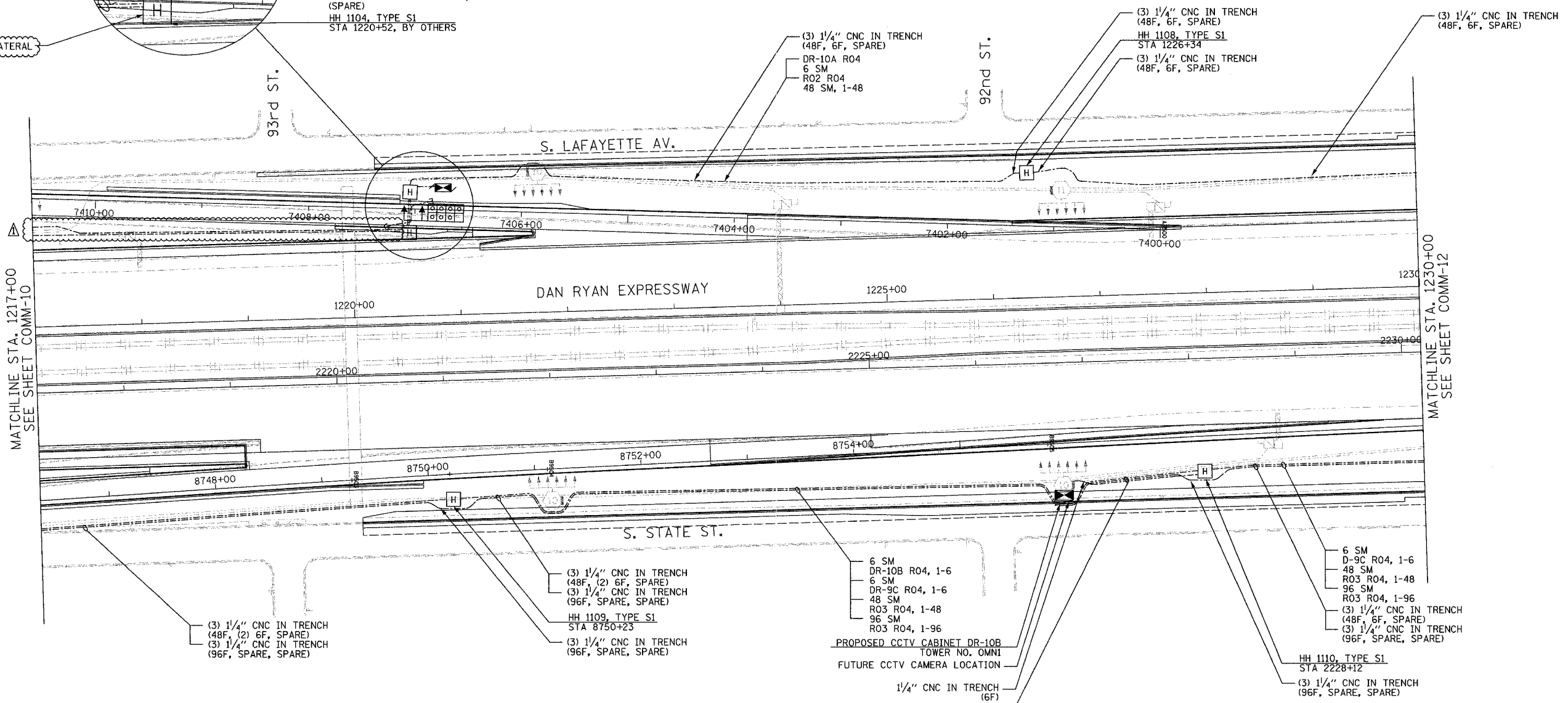
FIBER OPTIC TERMINATION PANEL, 12F

4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (48F, 6F, SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

HH 1104, TYPE S1
STA 1220+52, BY OTHERS



MATCHLINE STA. 1217+00
SEE SHEET COMM-10

MATCHLINE STA. 1230+00
SEE SHEET COMM-12

(3) 1/4" CNC IN TRENCH (48F, (2) 6F, SPARE)
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

(3) 1/4" CNC IN TRENCH (48F, (2) 6F, SPARE)
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

HH 1109, TYPE S1
STA 8750+23

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

6 SM DR-10B R04, 1-6
6 SM DR-9C R04, 1-6
48 SM R03 R04, 1-48
96 SM R03 R04, 1-96

PROPOSED CCTV CABINET DR-10B
TOWER NO. OMNI
FUTURE CCTV CAMERA LOCATION

1/4" CNC IN TRENCH (6F)

(3) 1/4" CNC IN TRENCH (48F, 6F, SPARE)

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

1/4" CNC (6F)

6 SM D-9C R04, 1-6
48 SM R03 R04, 1-48
96 SM R03 R04, 1-96

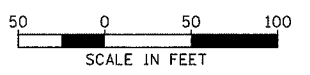
(3) 1/4" CNC IN TRENCH (48F, 6F, SPARE)

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

HH 1110, TYPE S1
STA 2228+12

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



COMM-11

REVISIONS	
NAME	DATE
REVISION 1	12/17/04

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT
AND CABLE LAYOUT

SCALE: 1"=50'
DATE: October 29, 2004

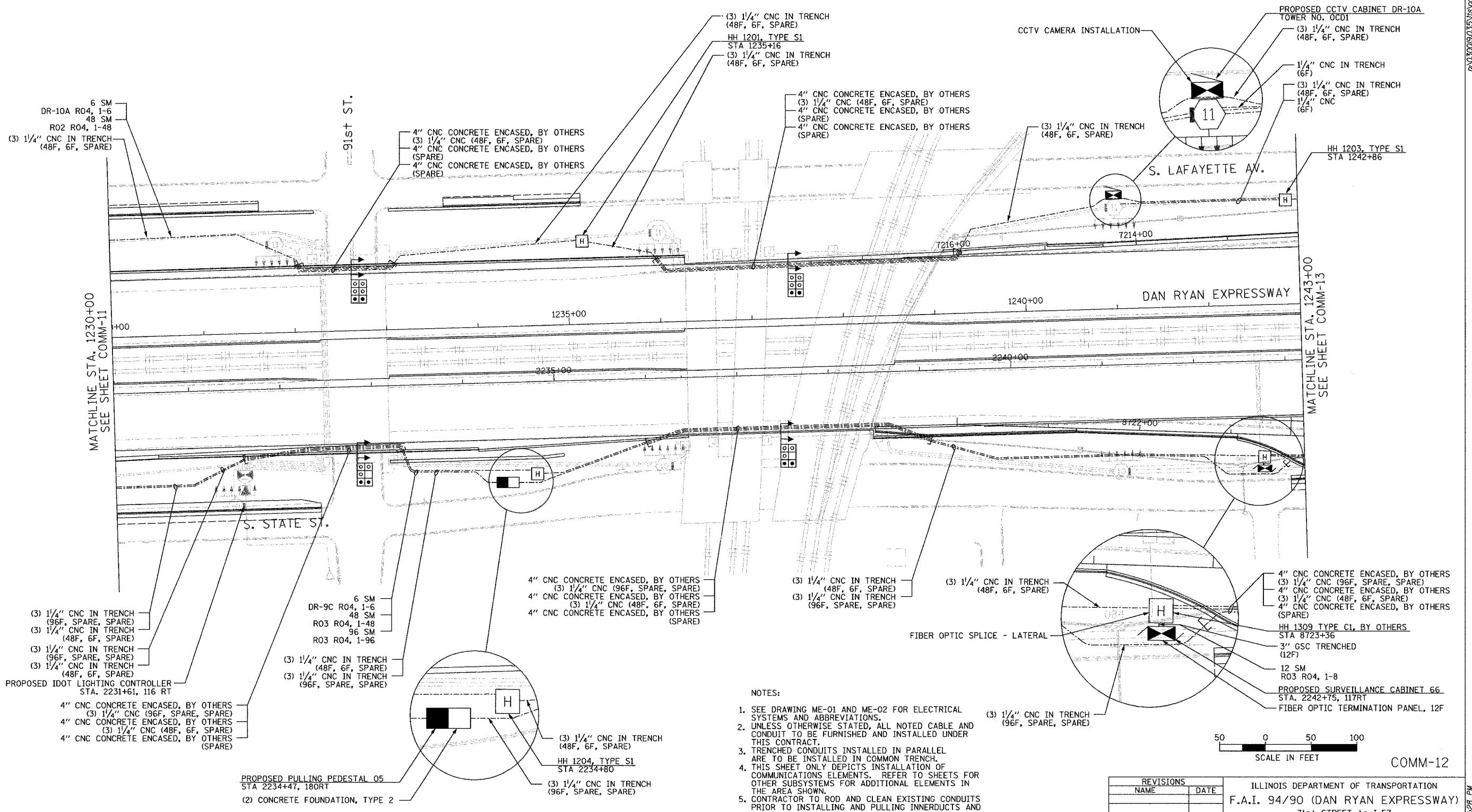
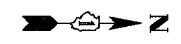
DRAWN BY: YAD
CHECKED BY: JEZ

Edwards AND Kelcey

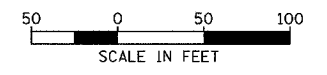
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	778
STA. 1230+00	TO STA. 1243+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
	62583		



- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



COMM-12

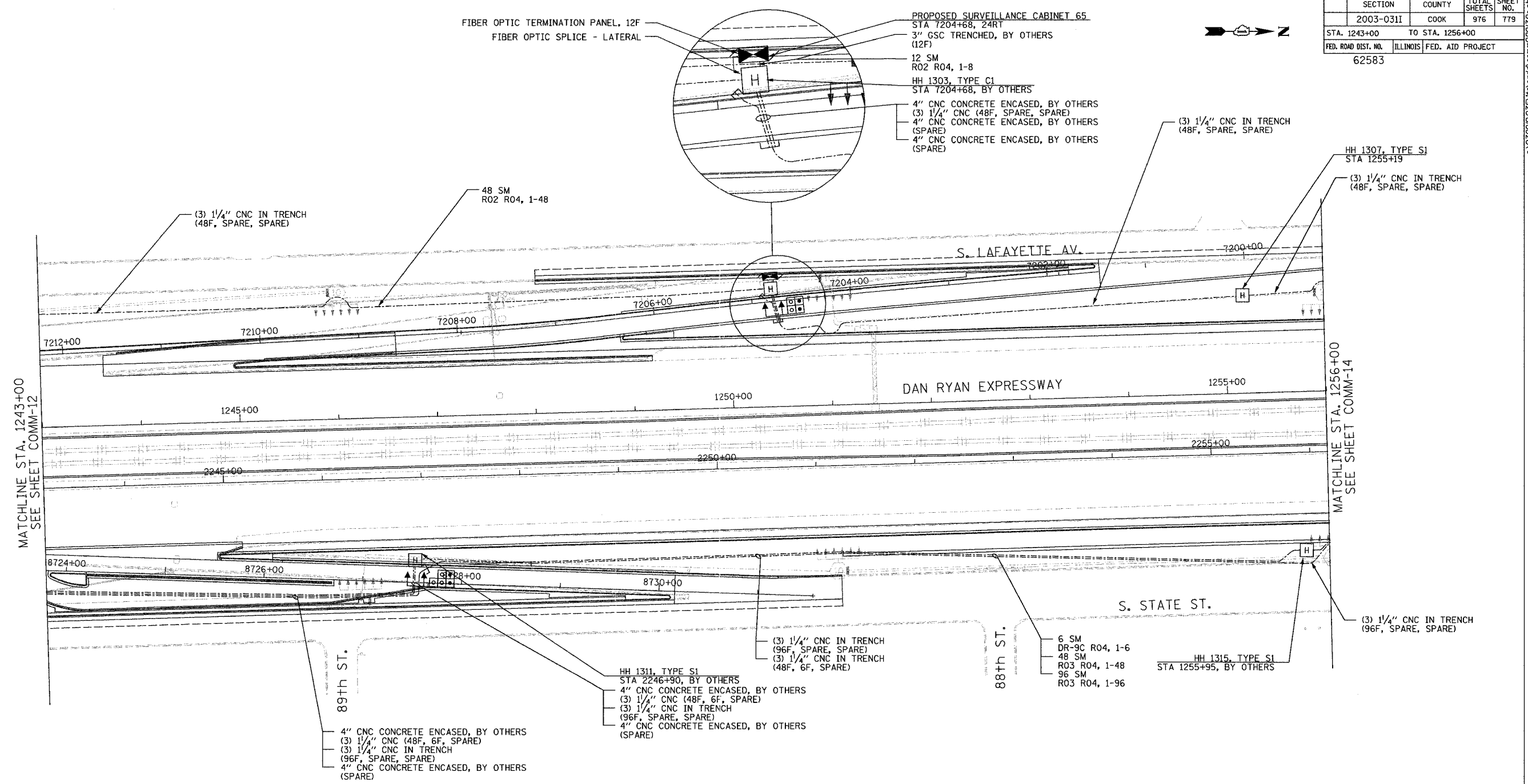
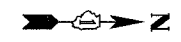
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: YAD
 CHECKED BY: JEZ

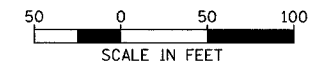
**Edwards
 AND
 Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	779
STA. 1243+00	TO STA. 1256+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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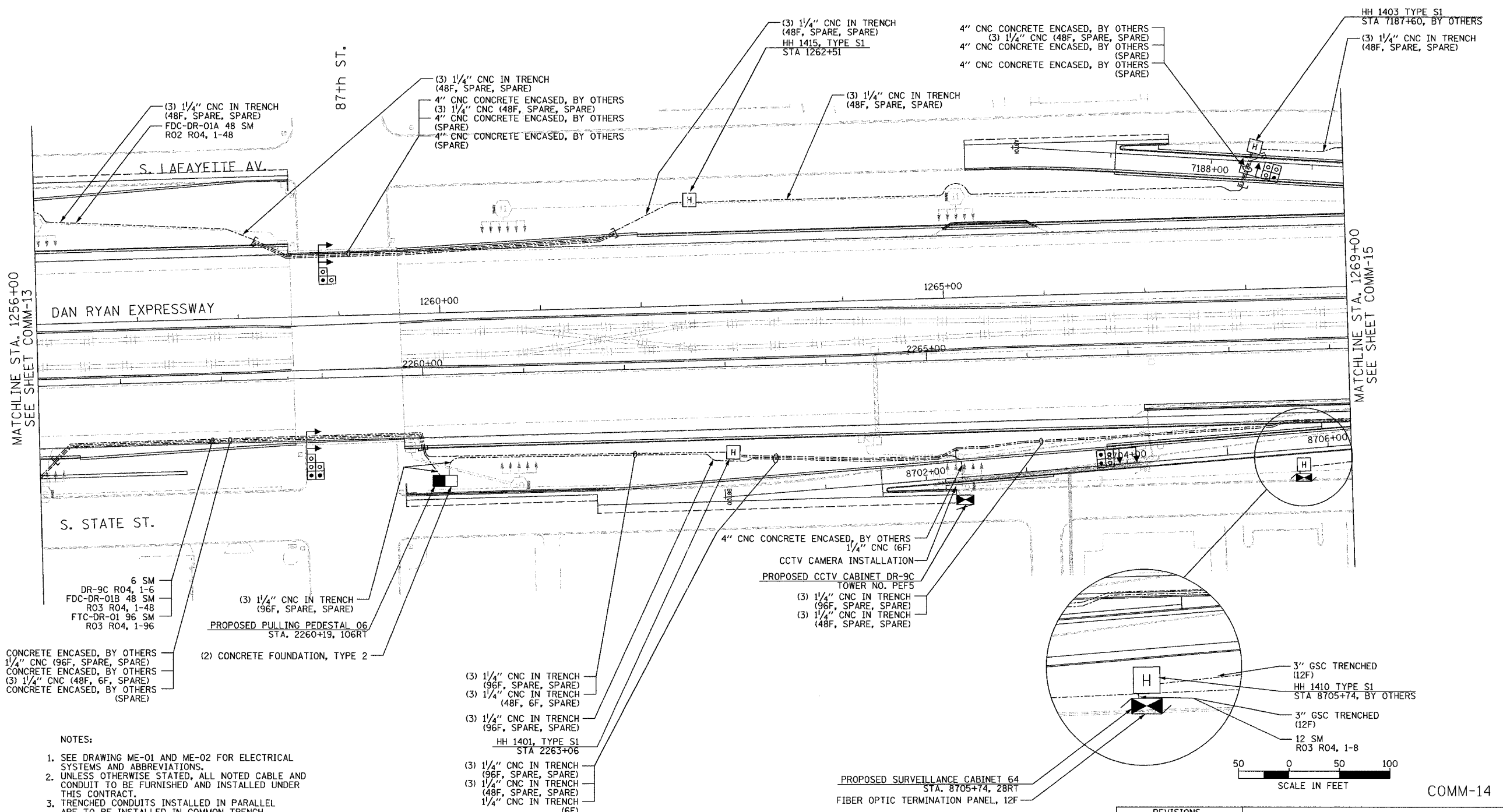
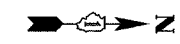
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57
NAME	DATE	
		COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT

SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: YAD
CHECKED BY: JEZ

Edwards AND Kelcey
ONE NORTH FRANKLIN
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PHONE: (312) 251-3000
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WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	780
STA. 1256+00	TO STA. 1269+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (96F, SPARE, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (48F, 6F, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (SPARE)

- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
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Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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REVISIONS	
NAME	DATE

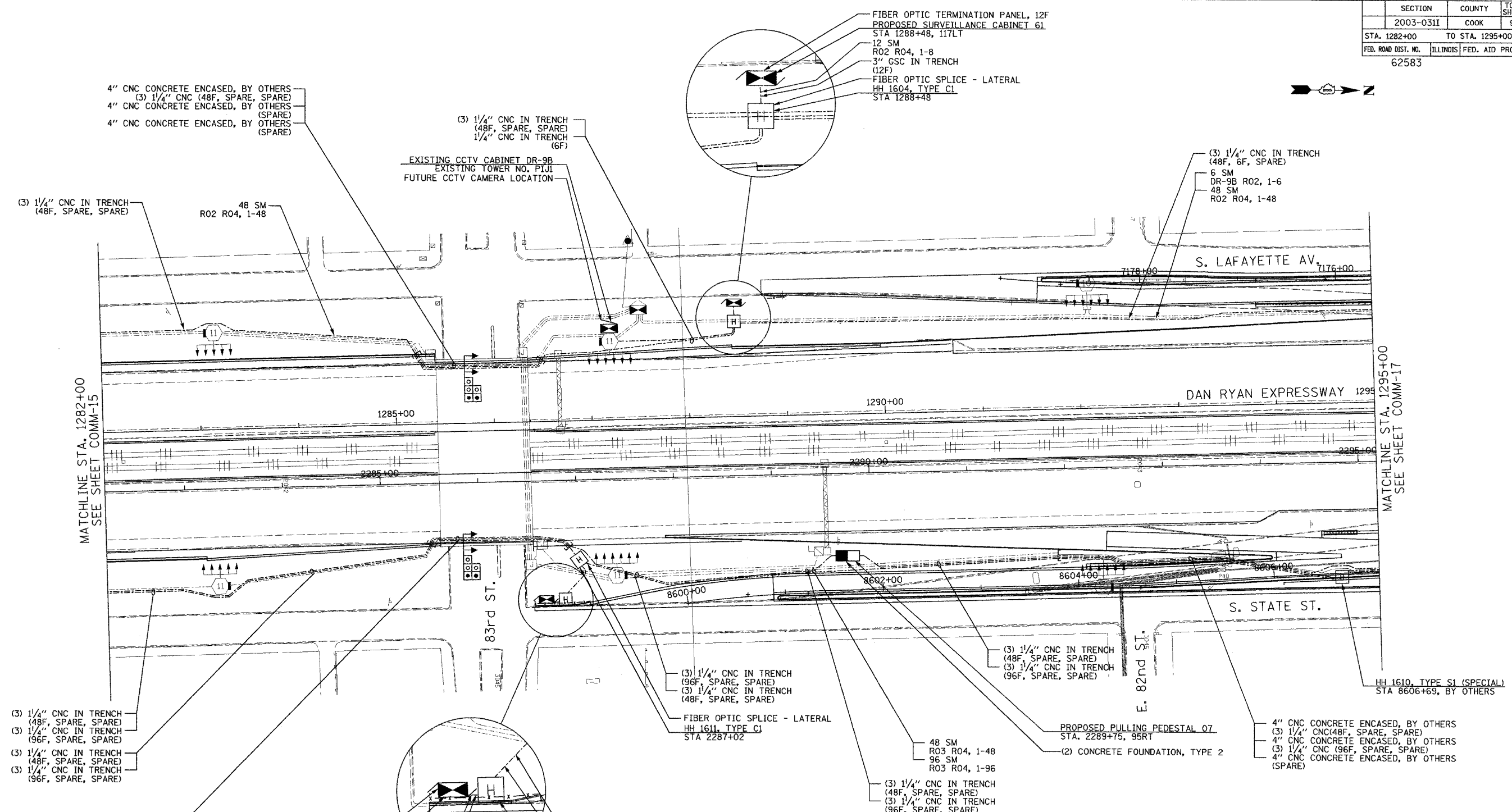
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT

SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: JEZ

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	782
STA. 1282+00 TO STA. 1295+00		ILLINOIS FED. AID PROJECT	
62583			



4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (48F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(SPARE)

(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)
1/4" CNC IN TRENCH
(6F)

FIBER OPTIC TERMINATION PANEL, 12F
PROPOSED SURVEILLANCE CABINET 61
STA 1288+48, 117LT
12 SM
R02 R04, 1-8
3" GSC IN TRENCH
(12F)
FIBER OPTIC SPLICE - LATERAL
HH 1604, TYPE C1
STA 1288+48

(3) 1/4" CNC IN TRENCH
(48F, 6F, SPARE)
6 SM
DR-9B R02, 1-6
48 SM
R02 R04, 1-48

(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)

48 SM
R02 R04, 1-48

EXISTING CCTV CABINET DR-9B
EXISTING TOWER NO. PIJI
FUTURE CCTV CAMERA LOCATION

MATCHLINE STA. 1282+00
SEE SHEET COMM-15

MATCHLINE STA. 1295+00
SEE SHEET COMM-17

(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)

FIBER OPTIC SPLICE - LATERAL
HH 1611, TYPE C1
STA 2287+02

(3) 1/4" CNC IN TRENCH
(48F, SPARE, SPARE)
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

PROPOSED PULLING PEDESTAL 07
STA. 2289+75, 95RT

4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (48F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (96F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (48F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (96F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(SPARE)

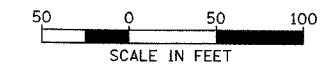
FIBER OPTIC TERMINATION PANEL, 12F
PROPOSED SURVEILLANCE CABINET 62
STA 8598+60, 24LT, BY OTHERS

3" GSC IN TRENCH
(12F)
12 SM
R03 R04, 1-8

3" GSC IN TRENCH
(12F)
12 SM
R03 R04, 1-8
HH 1620, TYPE S1
STA 8598+80, BY OTHERS

NOTES:

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- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



REVISIONS	
NAME	DATE

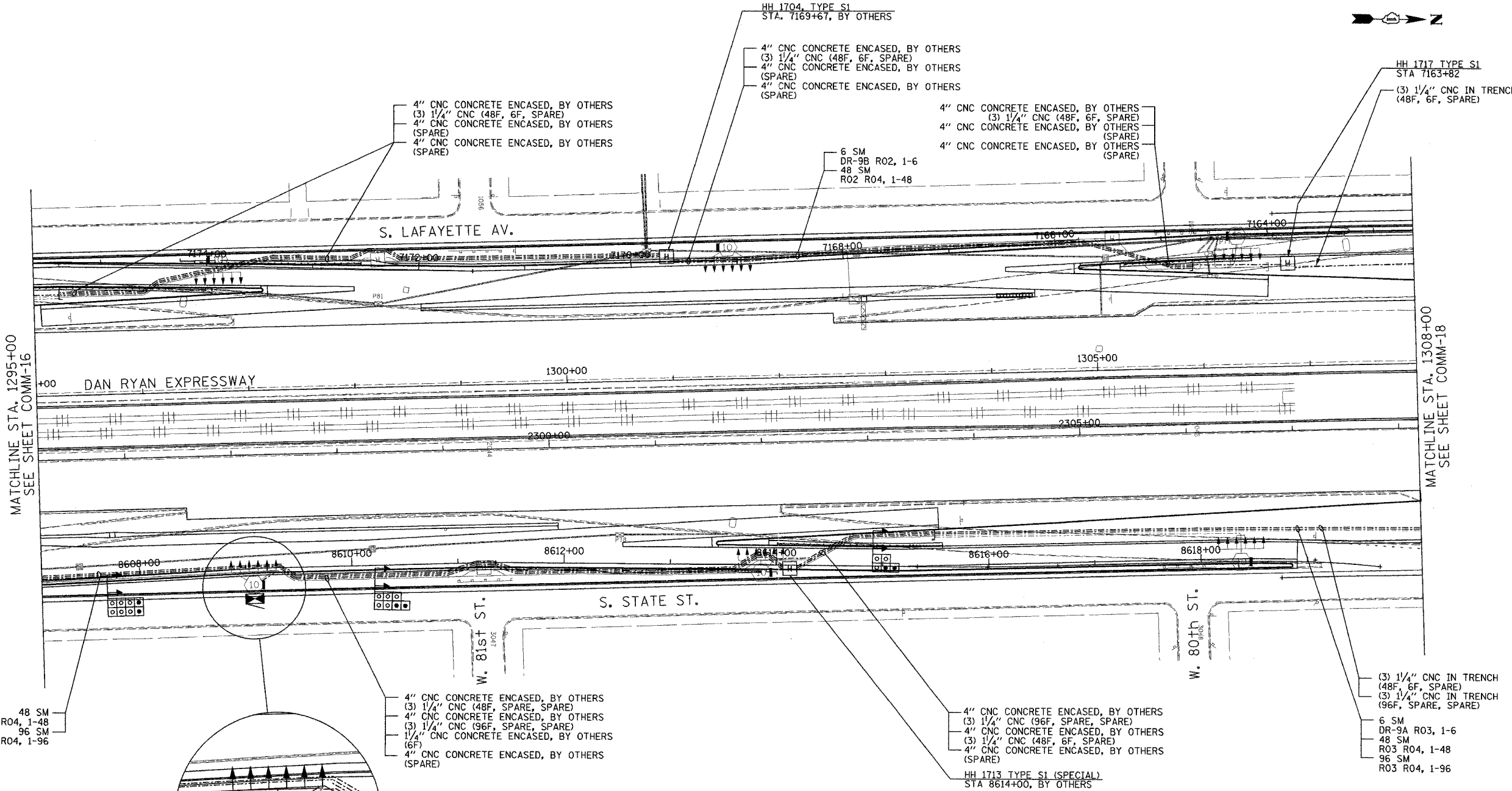
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57
COMMUNICATIONS BACKBONE CONDUIT
AND CABLE LAYOUT

SCALE: 1"=50'
DATE: October 29, 2004
DRAWN BY: YAD
CHECKED BY: JEZ

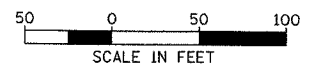
Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	783
STA. 1295+00 TO STA. 1308+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:
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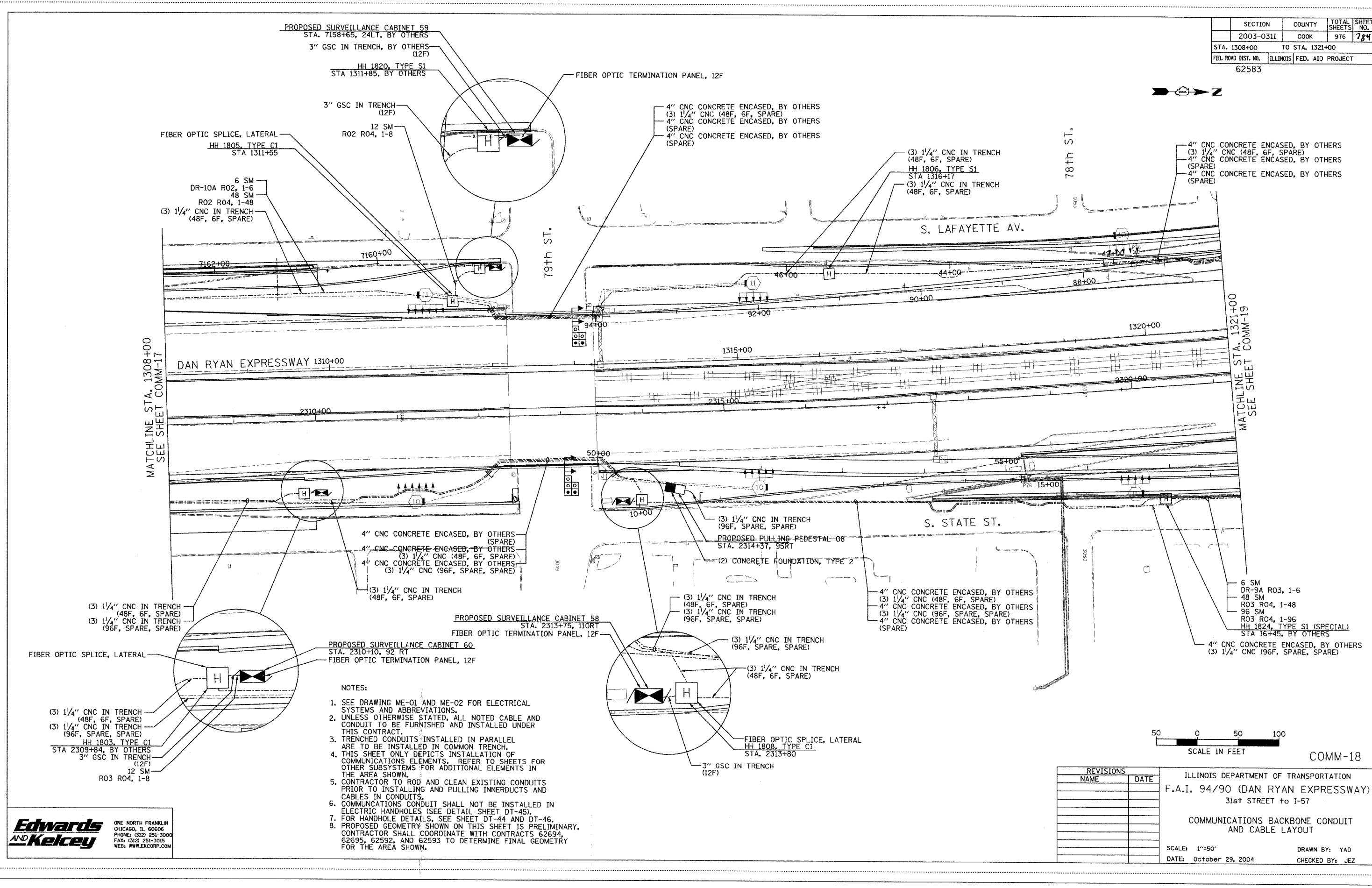
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57 COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT
NAME	DATE	

SCALE: 1"=50'
DATE: October 29, 2004
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CHICAGO, IL 60606
PHONE: (312) 251-3000
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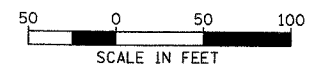
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	784
STA. 1308+00 TO STA. 1321+00		ILLINOIS FED. AID PROJECT	
62583			



MATCHLINE STA. 1308+00
SEE SHEET COMM-17

MATCHLINE STA. 1321+00
SEE SHEET COMM-19

- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
 - PROPOSED GEOMETRY SHOWN ON THIS SHEET IS PRELIMINARY. CONTRACTOR SHALL COORDINATE WITH CONTRACTS 62694, 62695, 62592, AND 62593 TO DETERMINE FINAL GEOMETRY FOR THE AREA SHOWN.



REVISIONS	
NAME	DATE

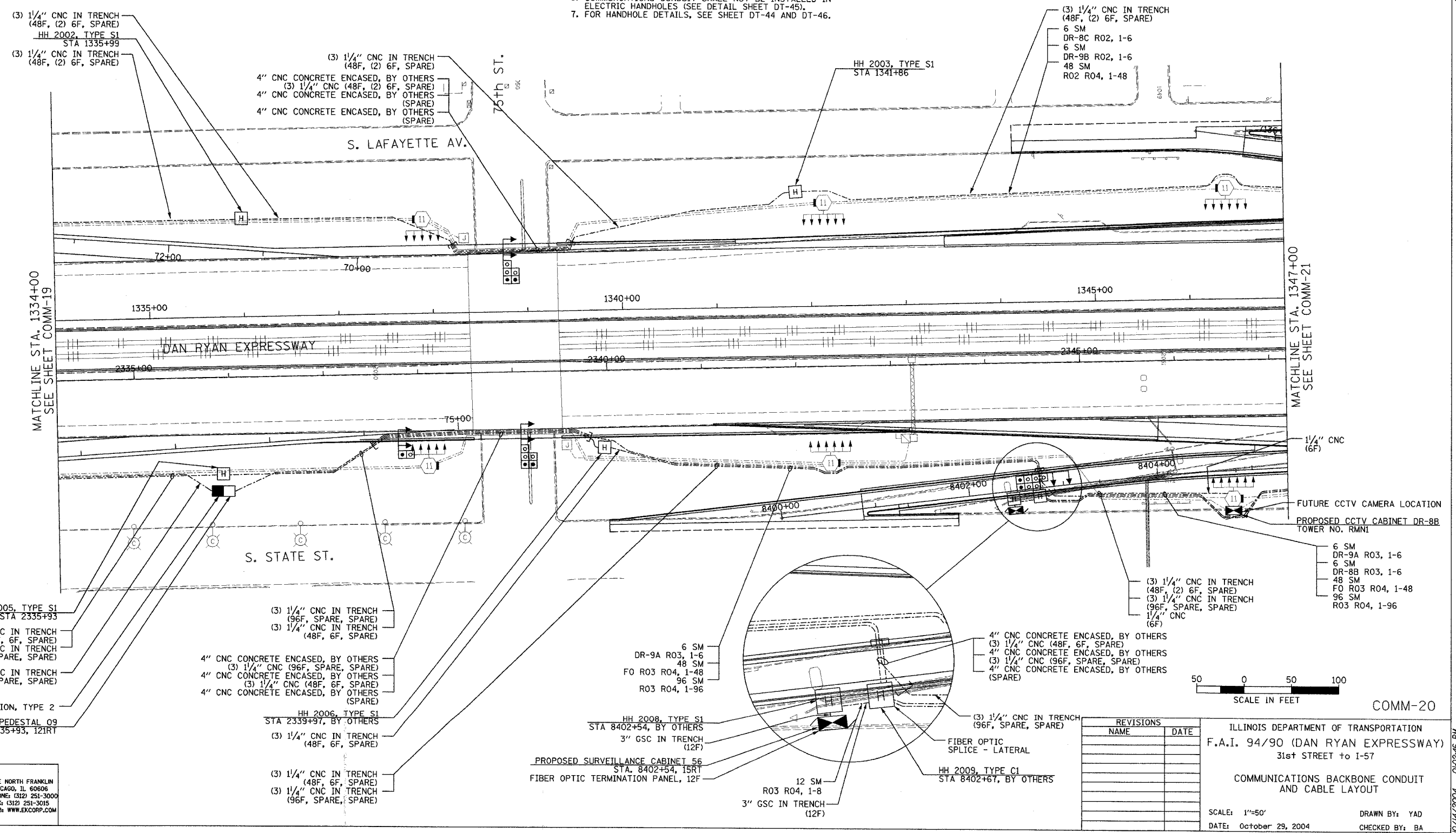
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: YAD
 CHECKED BY: JEZ

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	786
STA. 1334+00 TO STA. 1347+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

- NOTES:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57

COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT

SCALE: 1"=50'
 DATE: October 29, 2004

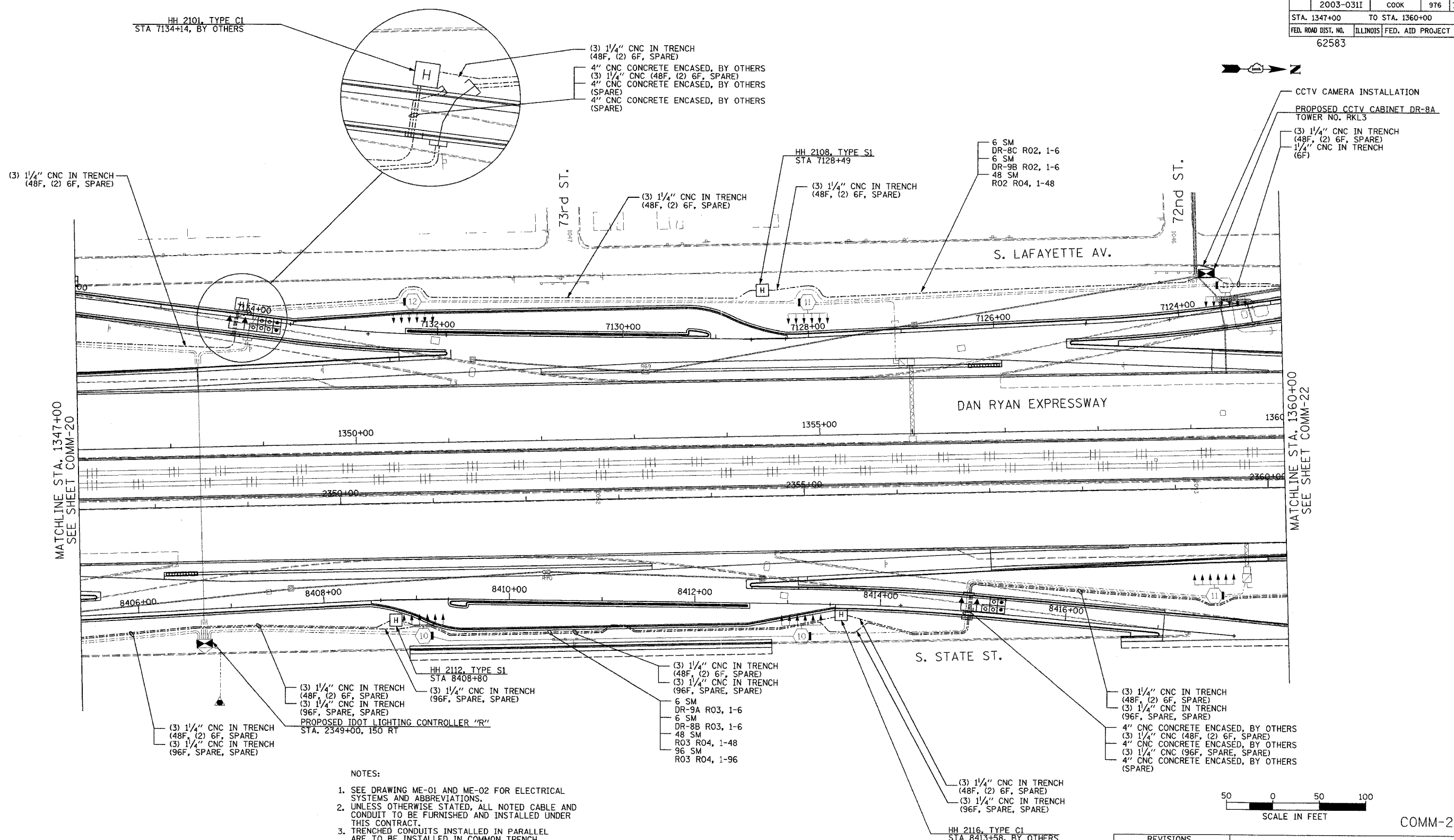
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 CHECKED BY: BA

Edwards AND Kelcey

ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 WEB: WWW.EDKCORP.COM

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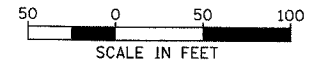
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	787
STA. 1347+00 TO STA. 1360+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



MATCHLINE STA. 1347+00
SEE SHEET COMM-20

MATCHLINE STA. 1360+00
SEE SHEET COMM-22

- NOTES:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT
AND CABLE LAYOUT

SCALE: 1"=50'
DATE: October 29, 2004

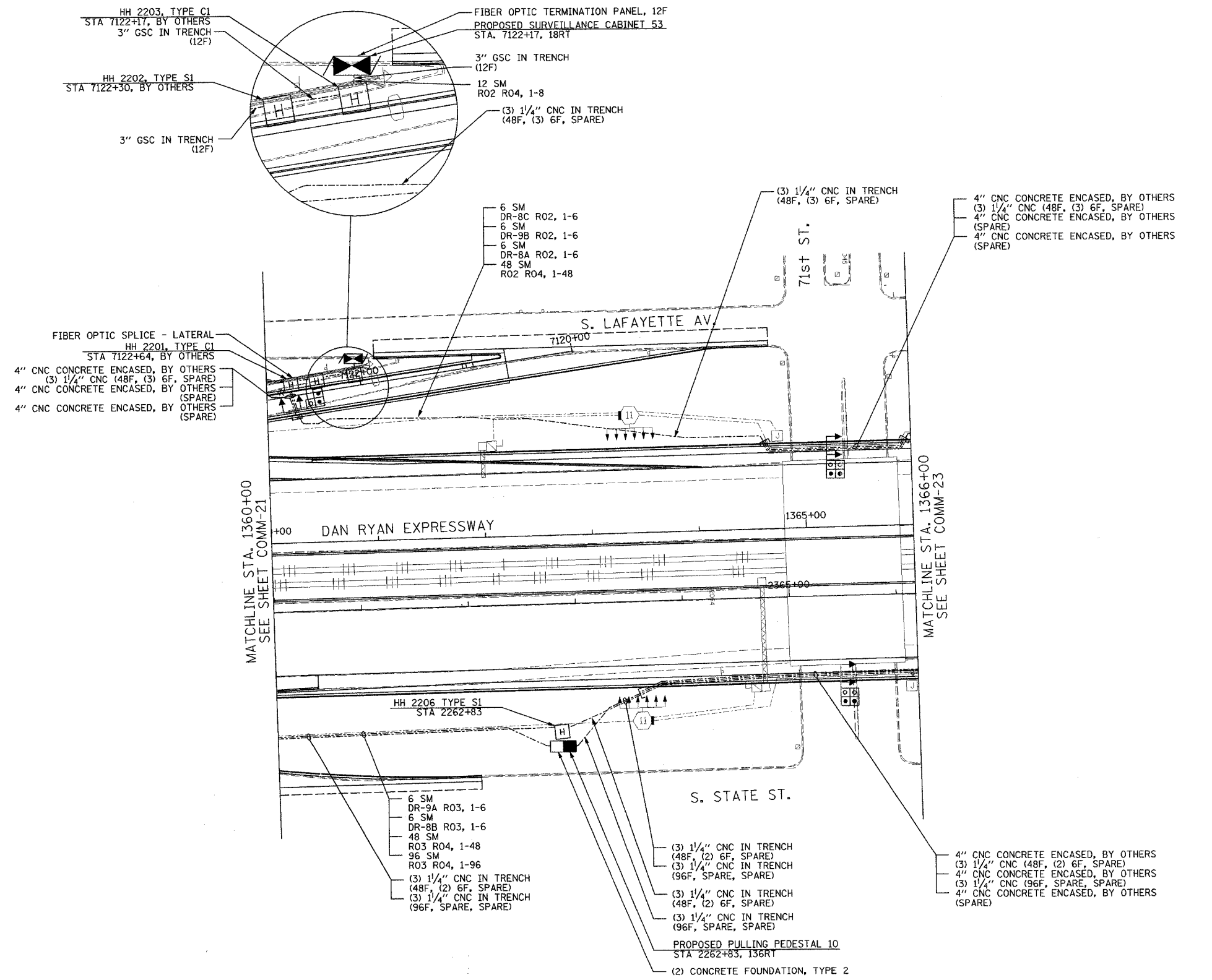
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CHECKED BY: BA

Edwards AND Kelcey

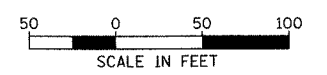
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-03II	COOK	976	786
STA. 1360+00 TO STA. 1366+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
62583			



- NOTES:
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COMM-22

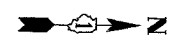
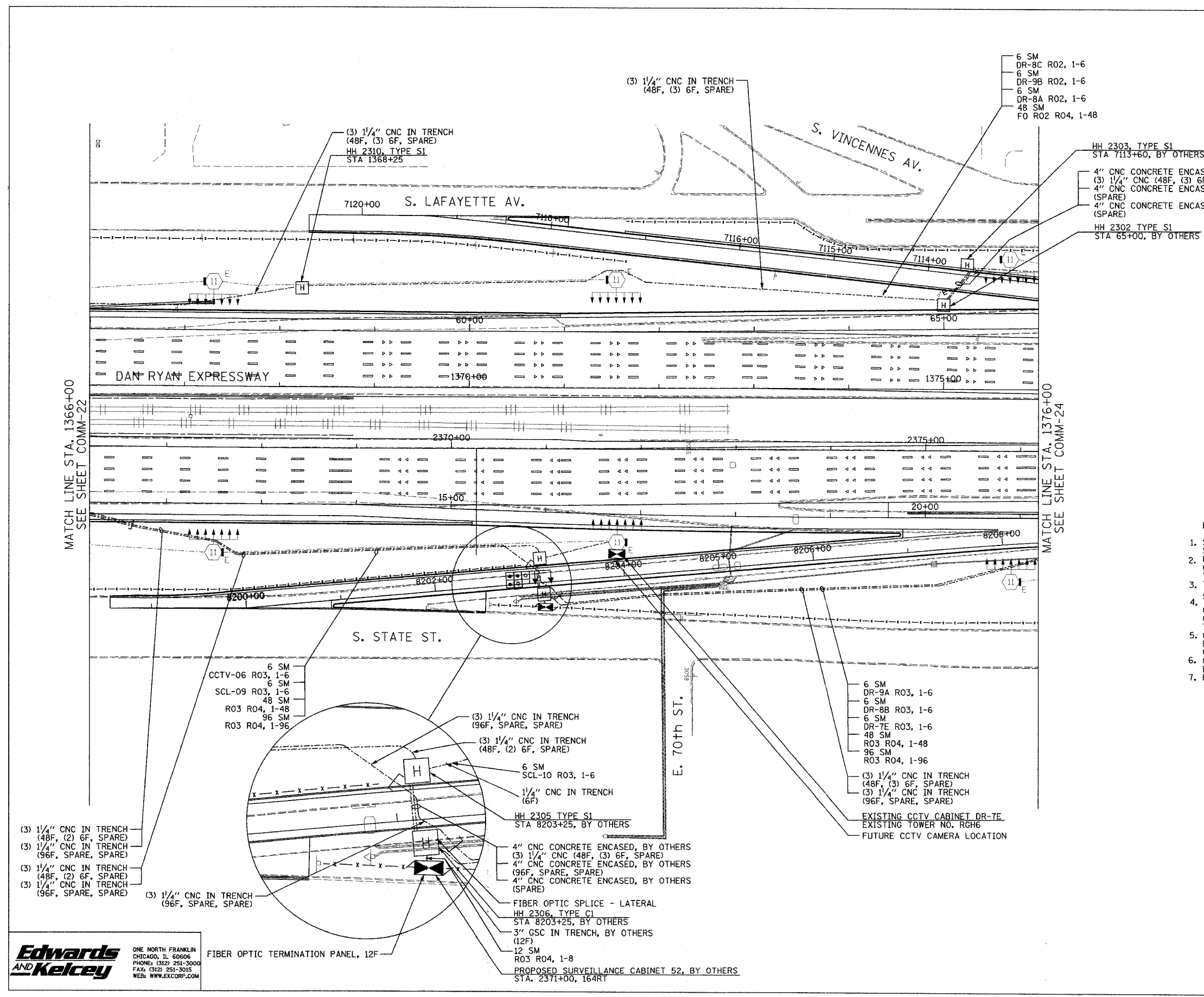
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: YAD
 CHECKED BY: BA

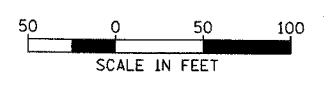
**Edwards
 and Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EDKCORP.COM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	789
STA. 1366+00 TO STA. 1376+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		62583	



- NOTES:
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COMM-23

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT

SCALE: 1"=50'
 DATE: October 29, 2004

DRAWN BY: DHI
 CHECKED BY: BA

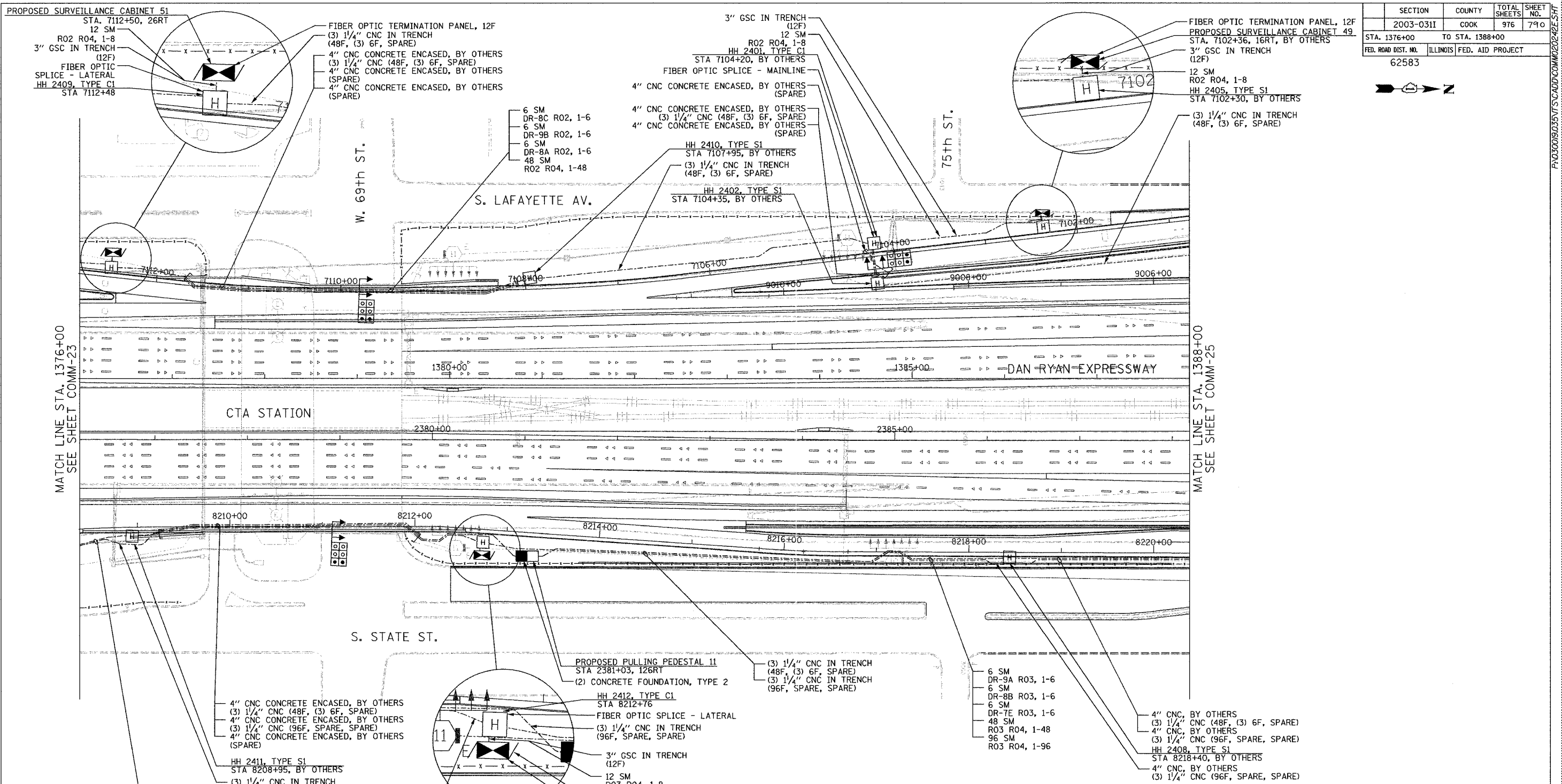
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

FIBER OPTIC TERMINATION PANEL, 12F

PROPOSED SURVEILLANCE CABINET 52, BY OTHERS
 STA. 2371+00, 164RT

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	790
STA. 1376+00	TO STA. 1388+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



MATCH LINE STA. 1376+00
SEE SHEET COMM-23

MATCH LINE STA. 1388+00
SEE SHEET COMM-25

4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (48F, (3) 6F, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(3) 1/4" CNC (96F, SPARE, SPARE)
4" CNC CONCRETE ENCASED, BY OTHERS
(SPARE)

HH 2411, TYPE S1
STA 8208+95, BY OTHERS
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

(3) 1/4" CNC IN TRENCH
(48F, (3) 6F, SPARE)
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

(3) 1/4" CNC IN TRENCH
(48F, (3) 6F, SPARE)

PROPOSED PULLING PEDESTAL 11
STA 2381+03, 126RT
(2) CONCRETE FOUNDATION, TYPE 2

HH 2412, TYPE C1
STA 8212+76
FIBER OPTIC SPLICE - LATERAL
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

3" GSC IN TRENCH
(12F)
12 SM
R03 R04, 1-8

PROPOSED SURVEILLANCE CABINET 50
STA. 8212+75, 28RT
FIBER OPTIC TERMINATION PANEL, 12F

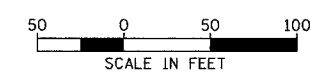
(3) 1/4" CNC IN TRENCH
(48F, (3) 6F, SPARE)
(3) 1/4" CNC IN TRENCH
(96F, SPARE, SPARE)

6 SM
DR-9A R03, 1-6
6 SM
DR-8B R03, 1-6
6 SM
DR-7E R03, 1-6
48 SM
R03 R04, 1-48
96 SM
R03 R04, 1-96

4" CNC, BY OTHERS
(3) 1/4" CNC (48F, (3) 6F, SPARE)
4" CNC, BY OTHERS
(3) 1/4" CNC (96F, SPARE, SPARE)
HH 2408, TYPE S1
STA 8218+40, BY OTHERS
4" CNC, BY OTHERS
(3) 1/4" CNC (96F, SPARE, SPARE)

NOTES:

- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
- UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
- THIS SHEET ONLY DEPICTS INSTALLATION OF COMMUNICATIONS ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
- CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
- COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



SCALE IN FEET

COMM-24

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT
AND CABLE LAYOUT

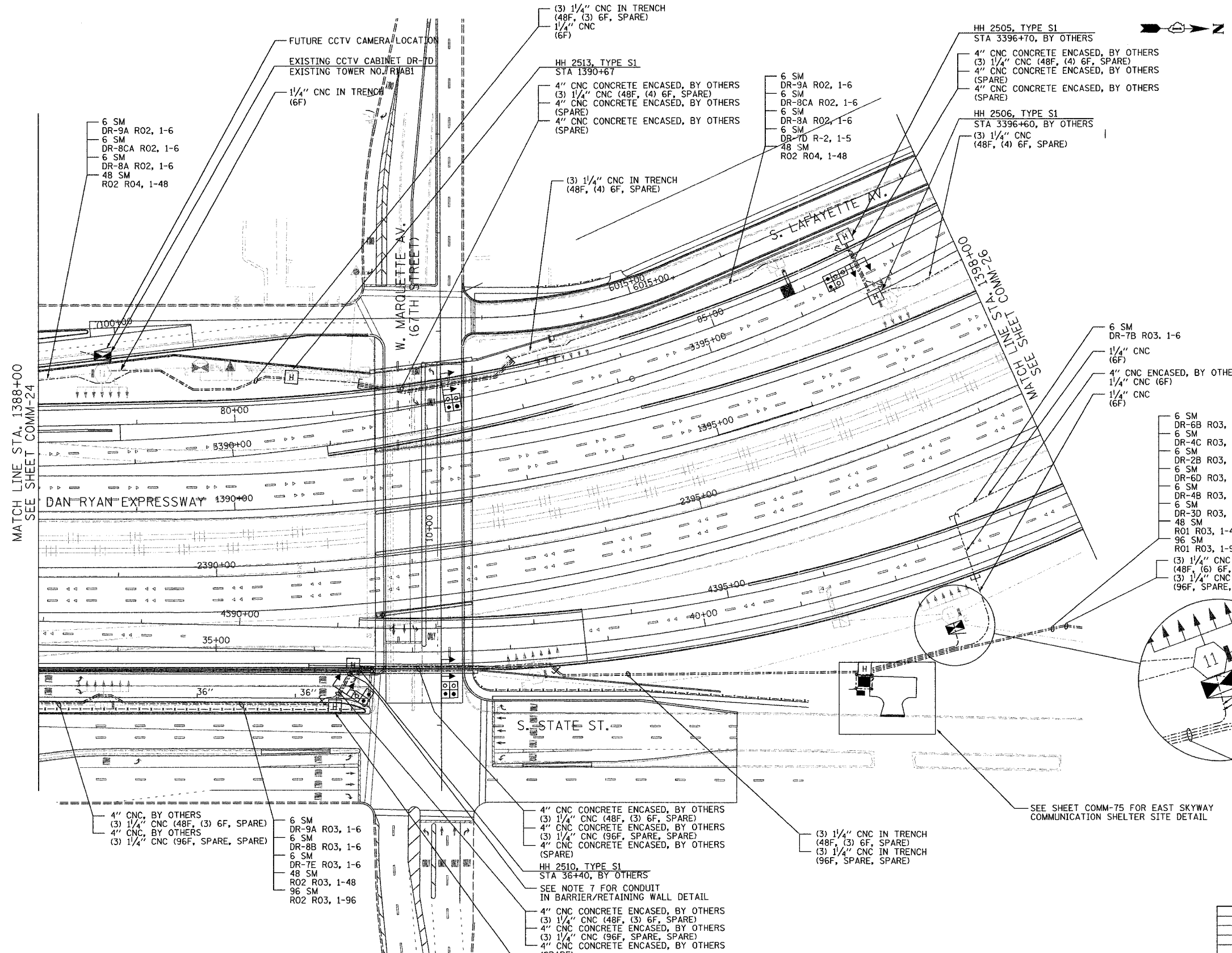
SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: DHI
CHECKED BY: BA

Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EKCORP.COM

11/23/2004 02:27:59 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	791
STA. 1388+00	TO STA. 1398+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:
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 - COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.

- 6 SM DR-7B R03, 1-6
- 1/4" CNC (6F)
- 4" CNC ENCASED, BY OTHERS
- 1/4" CNC (6F)
- 1/4" CNC (6F)
- 6 SM DR-6B R03, 1-6
- 6 SM DR-4C R03, 1-6
- 6 SM DR-2B R03, 1-6
- 6 SM DR-6D R03, 1-6
- 6 SM DR-4B R03, 1-6
- 6 SM DR-3D R03, 1-6
- 48 SM R01 R03, 1-48
- 96 SM R01 R03, 1-96
- (3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

- 6 SM DR-9A R02, 1-6
- 6 SM DR-8CA R02, 1-6
- 6 SM DR-8A R02, 1-6
- 48 SM R02 R04, 1-48

- (3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)
- 1/4" CNC (6F)

- HH 2513, TYPE S1 STA 1390+67
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (48F, (4) 6F, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

- 6 SM DR-9A R02, 1-6
- 6 SM DR-8CA R02, 1-6
- 6 SM DR-8A R02, 1-6
- 6 SM DR-7D R-2, 1-5
- 48 SM R02 R04, 1-48

- HH 2505, TYPE S1 STA 3396+70, BY OTHERS
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (48F, (4) 6F, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

- HH 2506, TYPE S1 STA 3396+60, BY OTHERS
- (3) 1/4" CNC (48F, (4) 6F, SPARE)

- 4" CNC, BY OTHERS
- (3) 1/4" CNC (48F, (3) 6F, SPARE)
- 4" CNC, BY OTHERS
- (3) 1/4" CNC (96F, SPARE, SPARE)

- 6 SM DR-9A R03, 1-6
- 6 SM DR-8B R03, 1-6
- 6 SM DR-7E R03, 1-6
- 48 SM R02 R03, 1-48
- 96 SM R02 R03, 1-96

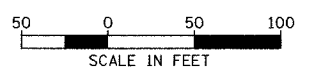
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (48F, (3) 6F, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (96F, SPARE, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

- HH 2510, TYPE S1 STA 36+40, BY OTHERS
- SEE NOTE 7 FOR CONDUIT IN BARRIER/RETAINING WALL DETAIL
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (48F, (3) 6F, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS
- (3) 1/4" CNC (96F, SPARE, SPARE)
- 4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

- HH 2509, TYPE S1 STA 8000+20, BY OTHERS

- (3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)

- (3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)
- (3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)
- 1/4" CNC IN TRENCH (6F)
- 1/4" CNC IN TRENCH (6F)



REVISIONS	
NAME	DATE

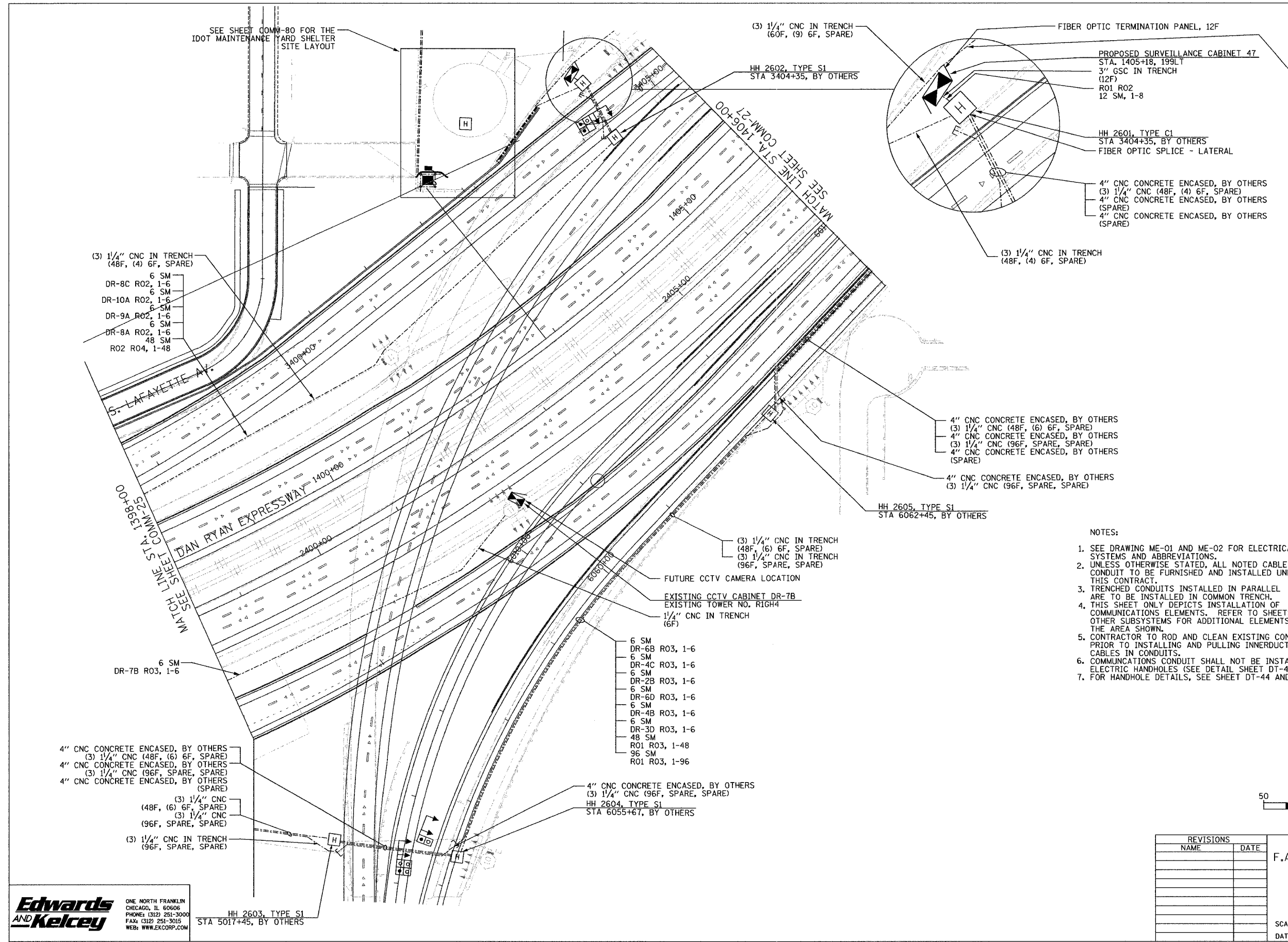
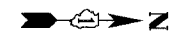
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: BA

Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

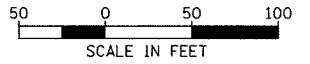
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	792
STA. 1398+00	TO STA. 1406+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

- 6 SM
- DR-7C R02, 1-6
- 6 SM
- DR-5C R02, 1-6
- 6 SM
- DR-4A R02, 1-6
- 6 SM
- DR-7A R02, 1-6
- 6 SM
- DR-6A R02, 1-6
- 6 SM
- DR-5B R02, 1-6
- 6 SM
- DR-4C R02, 1-6
- 6 SM
- DR-3C R02, 1-6
- 6 SM
- DR-3B R02, 1-6
- 60 SM
- R01 R02, 1-48
- R02 R05, 1-12



- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



SCALE IN FEET COMM-26

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET to I-57

COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT

SCALE: 1"=50'
 DATE: October 29, 2004

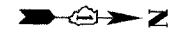
DRAWN BY: DHI
 CHECKED BY: BA

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

HH 2603, TYPE S1
 STA 5017+45, BY OTHERS

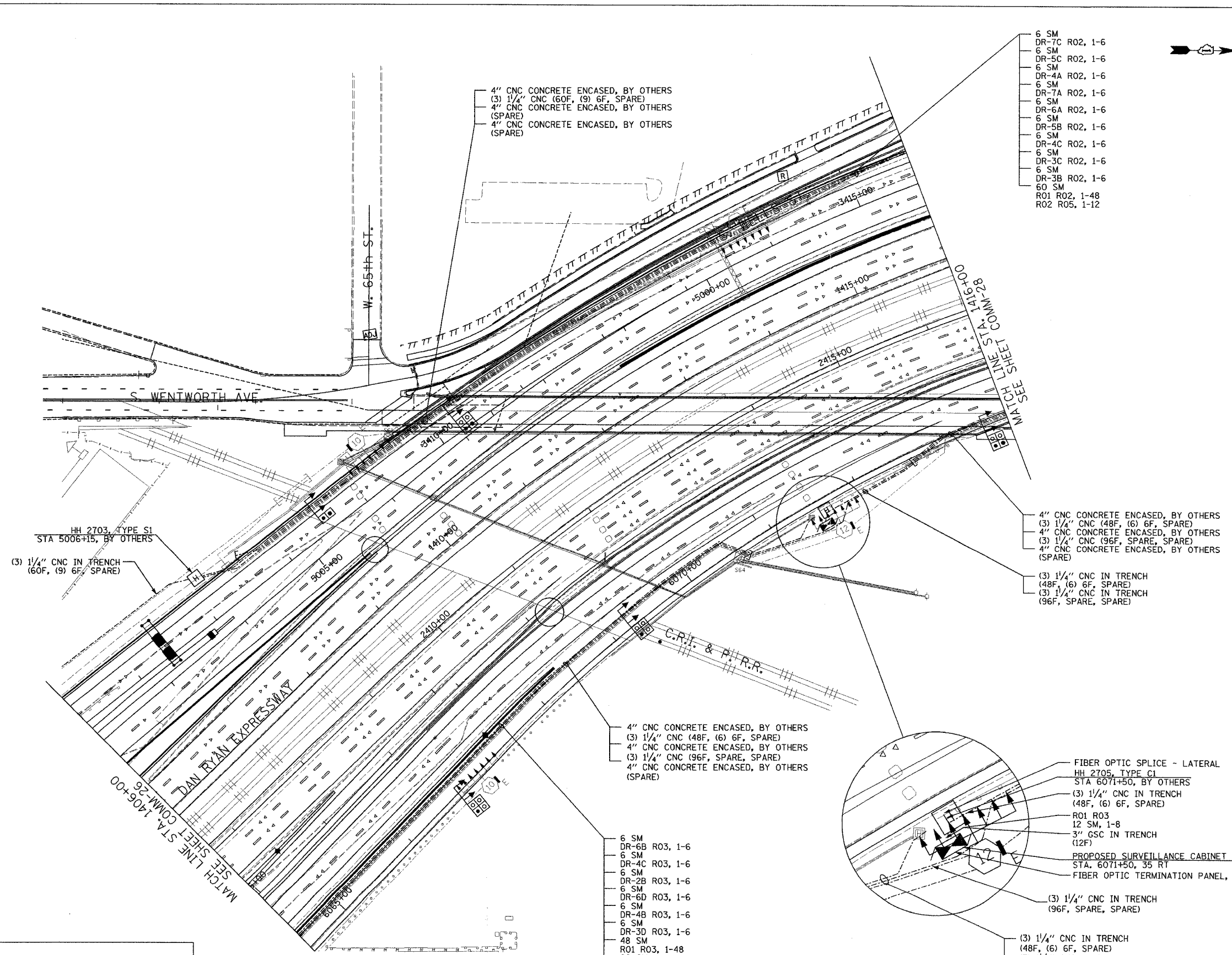
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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-031I	COOK	976	743
STA. 1406+00 TO STA. 1416+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- 6 SM
- DR-7C R02, 1-6
- 6 SM
- DR-5C R02, 1-6
- 6 SM
- DR-4A R02, 1-6
- 6 SM
- DR-7A R02, 1-6
- 6 SM
- DR-6A R02, 1-6
- 6 SM
- DR-5B R02, 1-6
- 6 SM
- DR-4C R02, 1-6
- 6 SM
- DR-3C R02, 1-6
- 6 SM
- DR-3B R02, 1-6
- 60 SM
- R01 R02, 1-48
- R02 R05, 1-12

- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (60F, (9) 6F, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (48F, (6) 6F, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (96F, SPARE, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (SPARE)

(3) 1/4" CNC IN TRENCH
 (48F, (6) 6F, SPARE)
 (3) 1/4" CNC IN TRENCH
 (96F, SPARE, SPARE)

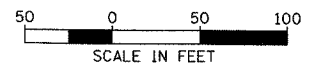
4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (48F, (6) 6F, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (3) 1/4" CNC (96F, SPARE, SPARE)
 4" CNC CONCRETE ENCASED, BY OTHERS
 (SPARE)

- 6 SM
- DR-6B R03, 1-6
- 6 SM
- DR-4C R03, 1-6
- 6 SM
- DR-2B R03, 1-6
- 6 SM
- DR-6D R03, 1-6
- 6 SM
- DR-4B R03, 1-6
- 6 SM
- DR-3D R03, 1-6
- 48 SM
- R01 R03, 1-48
- 96 SM
- R01 R03, 1-96

FIBER OPTIC SPLICE - LATERAL
 HH 2705, TYPE C1
 STA 6071+50, BY OTHERS
 (3) 1/4" CNC IN TRENCH
 (48F, (6) 6F, SPARE)
 R01 R03
 12 SM, 1-8
 3" GSC IN TRENCH
 (12F)
 PROPOSED SURVEILLANCE CABINET 48
 STA. 6071+50, 35 RT
 FIBER OPTIC TERMINATION PANEL, 12F

(3) 1/4" CNC IN TRENCH
 (96F, SPARE, SPARE)

(3) 1/4" CNC IN TRENCH
 (48F, (6) 6F, SPARE)
 (3) 1/4" CNC IN TRENCH
 (96F, SPARE, SPARE)



COMM-27

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 PROPOSED IMPROVEMENTS 2007

SCALE: 1"=50'
 DATE: October 29, 2004

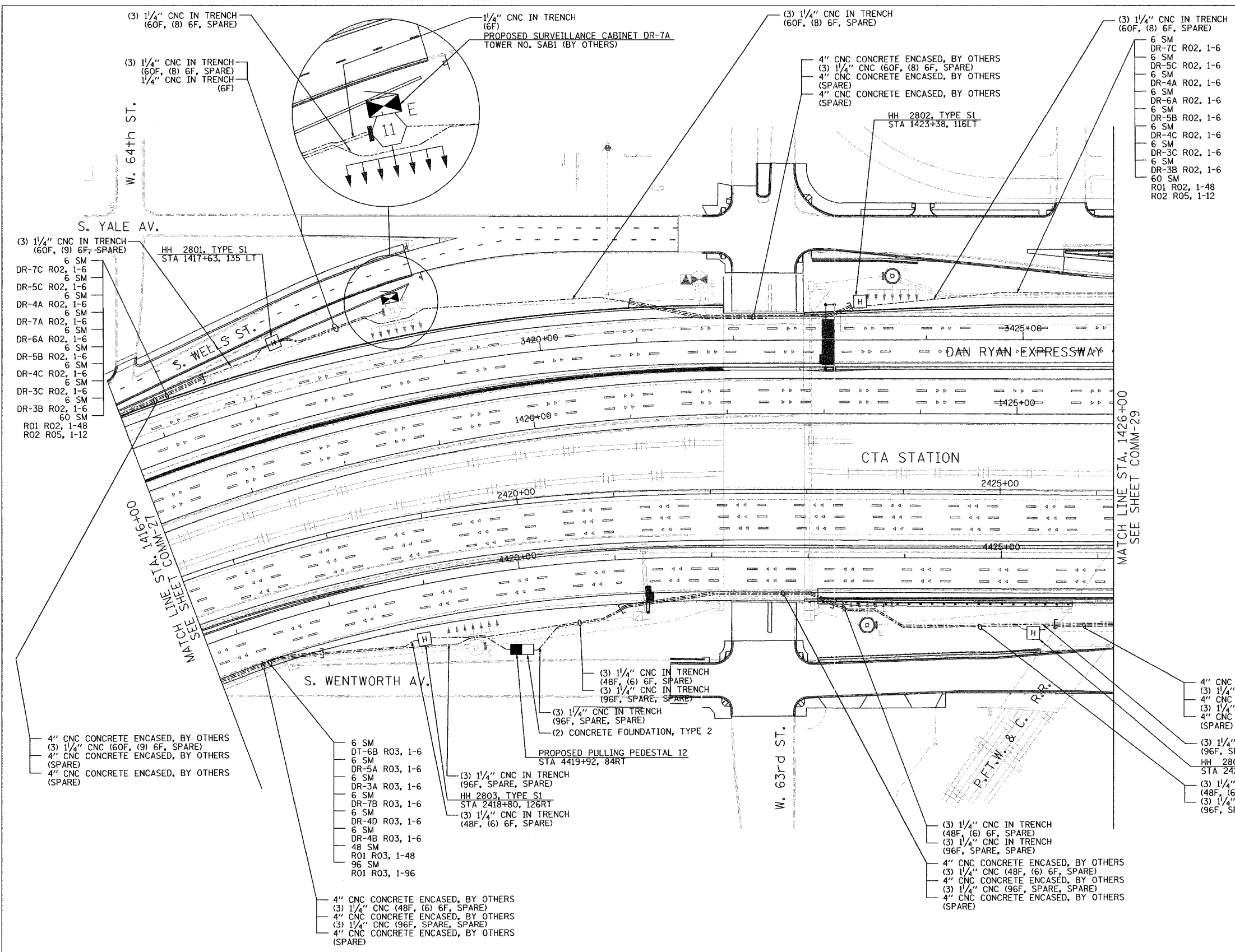
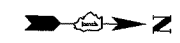
DRAWN BY: BHP
 CHECKED BY: BMW

**Edwards
 AND
 Kelcey**

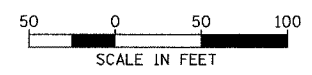
ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

10/14/2004 04:05 PM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	794
STA. 1416+00 TO STA. 1426+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
62583			



- NOTES:
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 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



COMM-28

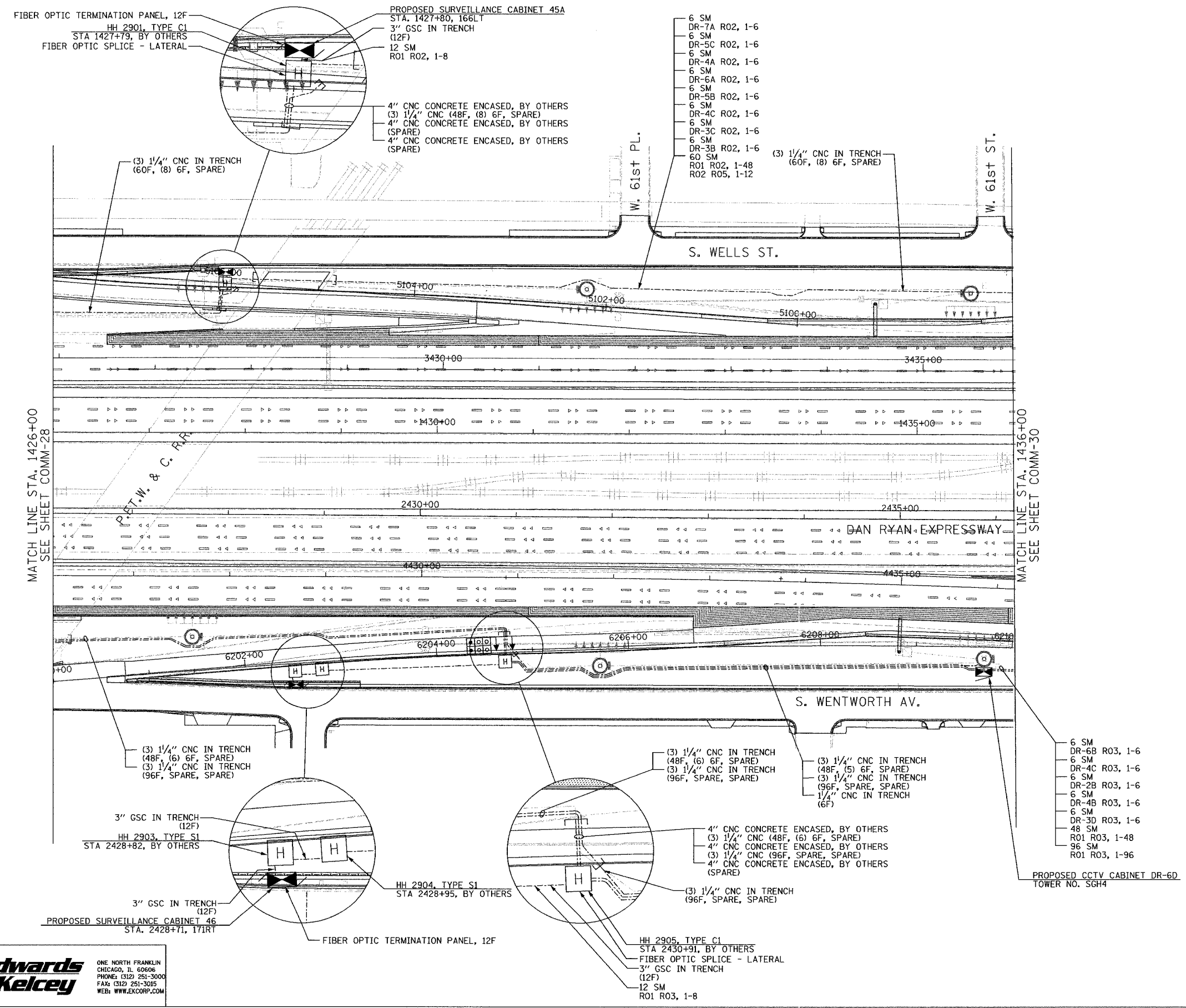
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31st STREET TO I-57
 COMMUNICATIONS BACKBONE CONDUIT
 AND CABLE LAYOUT
 SCALE: 1"=50'
 DATE: October 29, 2004
 DRAWN BY: DHI
 CHECKED BY: MJL

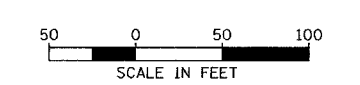
**Edwards
 AND
 Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

1/23/2004 163502 AM

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	795
STA. 1426+00 TO STA. 1436+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			



- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
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REVISIONS		NAME	DATE
NO.	DESCRIPTION		

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT

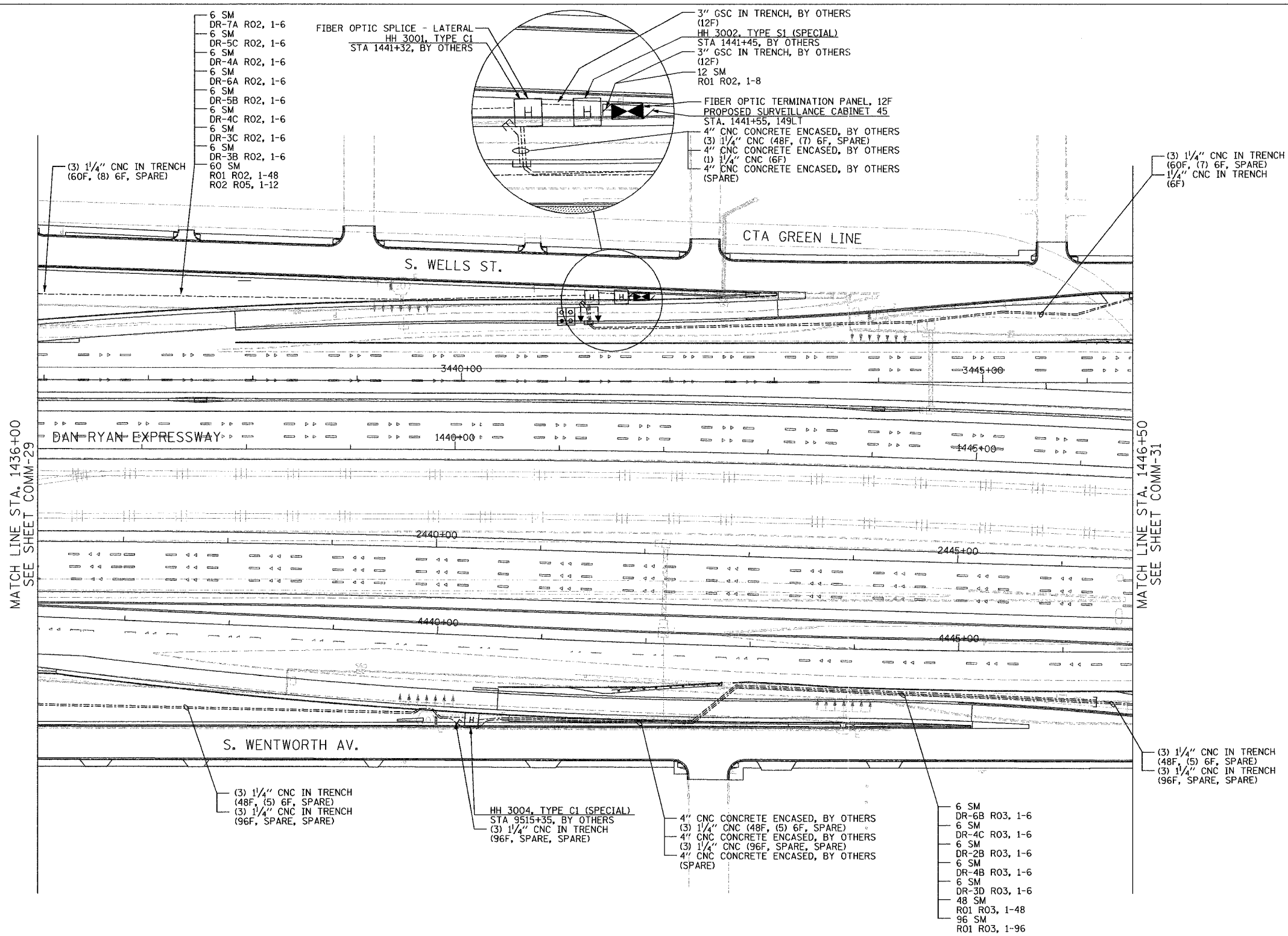
SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: DHI
CHECKED BY: MJL

Edwards AND Kelcey
ONE NORTH FRANKLIN
CHICAGO, IL 60606
PHONE: (312) 251-3000
FAX: (312) 251-3015
WEB: WWW.EDKORP.COM

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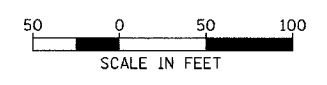
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	796
STA. 1436+00 TO STA. 1446+50		ILLINOIS FED. AID PROJECT	
62583			



MATCH LINE STA. 1436+00
SEE SHEET COMM-29

MATCH LINE STA. 1446+50
SEE SHEET COMM-31

- NOTES:
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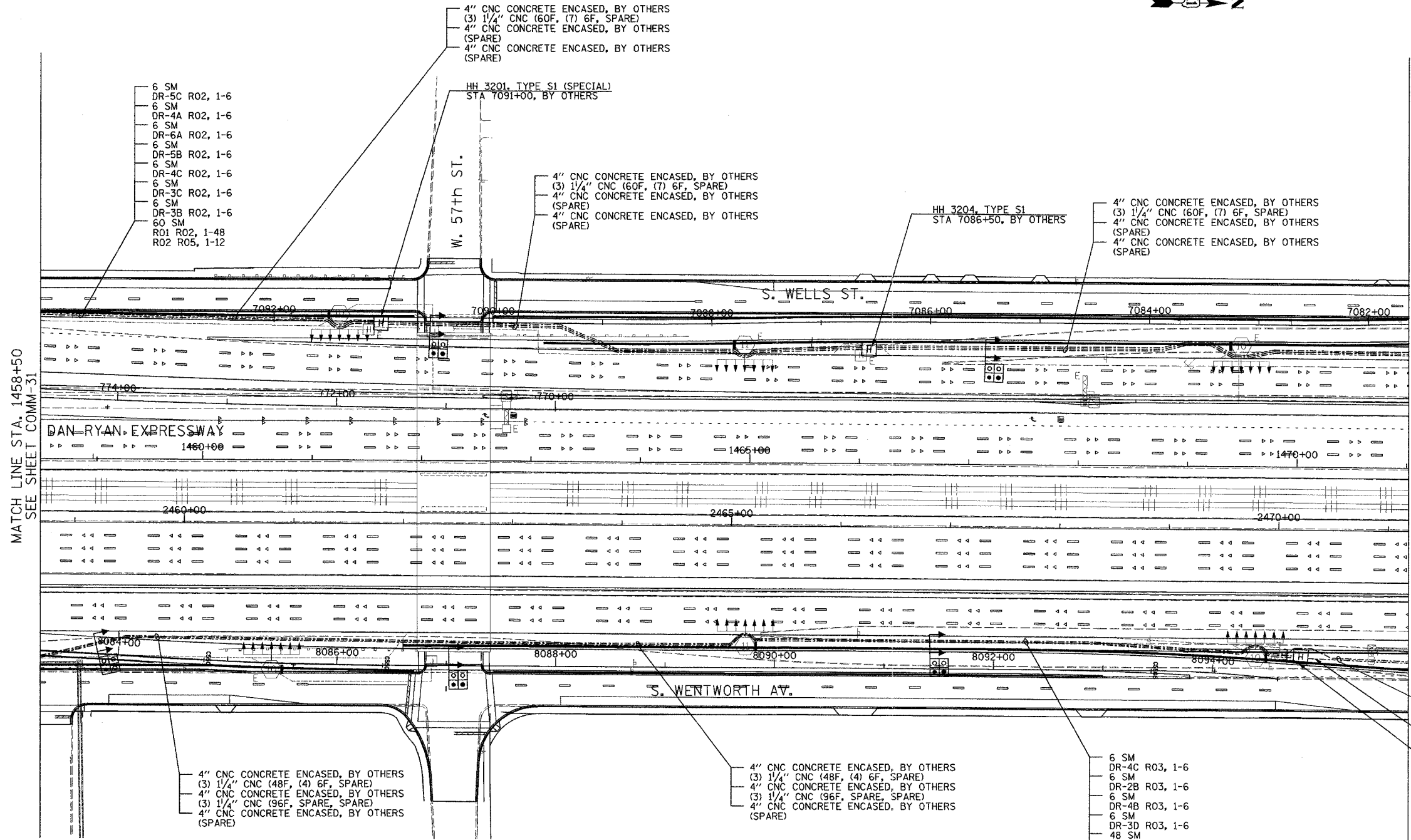
COMM-30

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57
NAME	DATE	
		COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT
SCALE: 1"=50'		DRAWN BY: DHI
DATE: October 29, 2004		CHECKED BY: BA

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

11/23/2004 11:33:26 AM

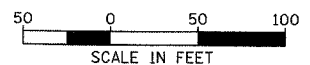
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	749
STA. 1458+50 TO STA. 1471+00		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO.		62583	



MATCH LINE STA. 1458+50
SEE SHEET COMM-31

MATCH LINE STA. 1471+00
SEE SHEET COMM-33

- NOTES:
- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
 - UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
 - TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
 - THIS SHEET ONLY DEPICTS INSTALLATION OF COMMUNICATIONS ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
 - CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
 - COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
 - FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.



**Edwards
AND Kelcey**
ONE NORTH FRANKLIN
CHICAGO, IL 60606
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

COMMUNICATIONS BACKBONE CONDUIT
AND CABLE LAYOUT

SCALE: 1"=50'
DATE: October 29, 2004

DRAWN BY: DHI
CHECKED BY: BA

10/14/2004 04:57 PM

