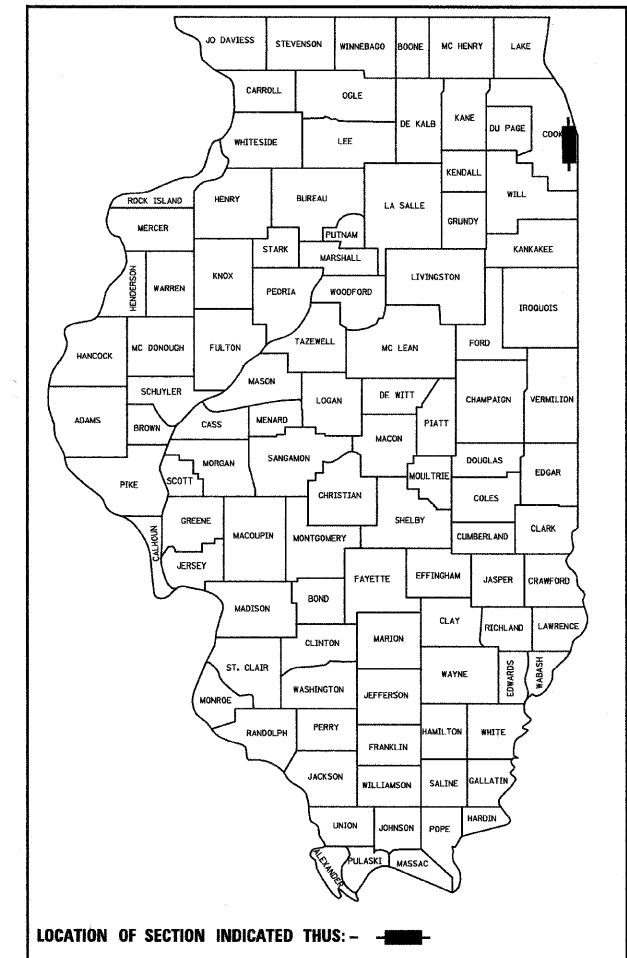


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**F.A.I. ROUTE 94 (DAN RYAN EXPRESSWAY)
SECTION 2005-032 I
INSTALLATION OF FENCING AND GATING ALONG
WENTWORTH AVENUE AND WELLS STREET FROM
375- FEET SOUTH OF 63rd STREET TO 47th STREET
COOK COUNTY
C-91-261-05**



INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET, INDEX OF SHEETS, LIST OF ILLINOIS DOT HIGHWAY STANDARDS
2	GENERAL NOTES AND PROJECT COMMITMENTS
3	SUMMARY OF QUANTITIES
4-12	ALIGNMENT PLANS, SURVEY TIES AND CONTROL POINTS
13-25	EXISTING AND PROPOSED ROADWAY PLANS
26-32	STRUCTURAL DETAILS
33	ELECTRICAL DETAIL
34	TC-10 DISTRICT 1, TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
35	TC-17 DISTRICT 1, TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
36	TC-18 DISTRICT 1, SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
37	TC-22 DISTRICT 1, ARTERIAL ROAD INFORMATION SIGN

DESIGN NUMBER

D-91-261-05

IDOT HIGHWAY STANDARDS

STANDARD	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
664001-02	CHAIN LINK FENCE
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

PROJECT LOCATED IN CITY OF CHICAGO

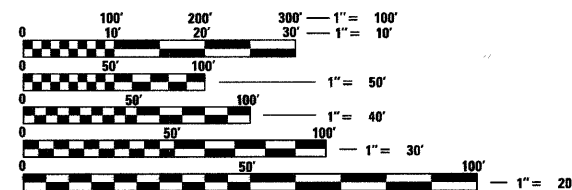
DESIGN DESIGNATION

WENTWORTH AVE: 6259 (20) URBAN COLLECTOR
WELLS ST: 8275 (20) URBAN COLLECTOR

ADT	DESIGN POSTED (2020) SPEED	DESIGN (2020) SPEED
11,000	30	25
15,000	30	25

FRONTAGE ROADS:

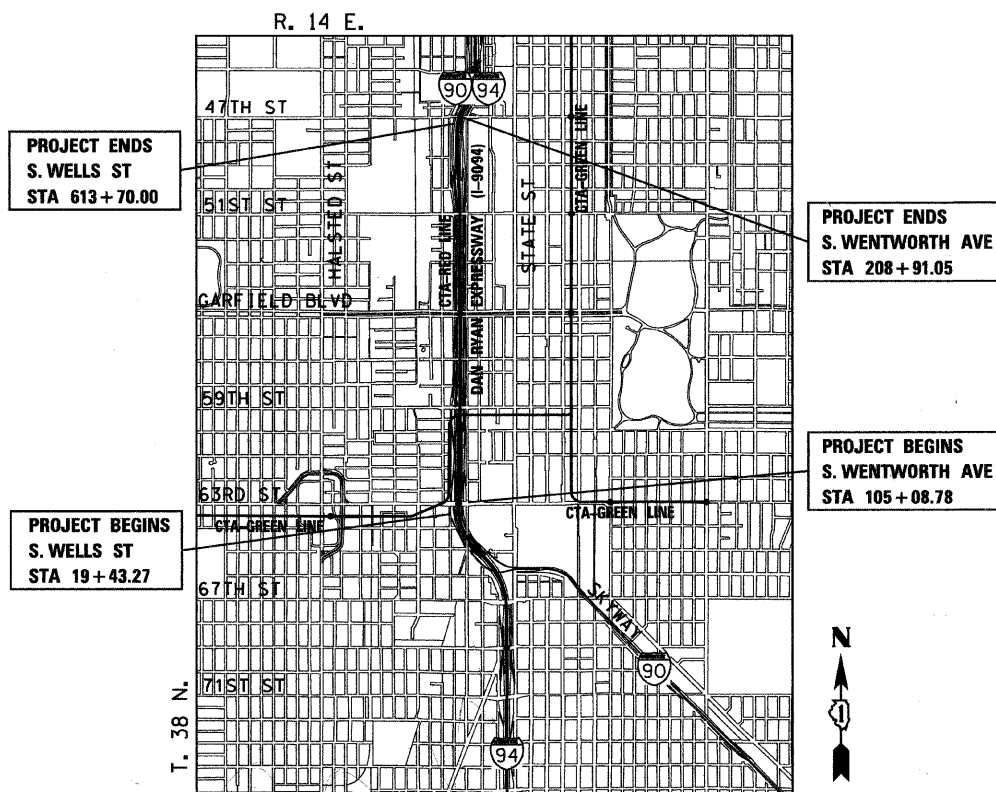
WENTWORTH AVE	11,000	30	25
WELLS ST	15,000	30	25



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

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

CONTRACT NO. 60A03



LOCATION MAP

1" = 1/2 MILE
GROSS LENGTH OF PROJECT = 21,349 FT (4.043 MILES)
NET LENGTH OF PROJECT = 21,349 FT (4.043 MILES)



ROBERT M. GOVEIA
11/30/2009 EXPIRES
01/02/2009 DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: JANUARY 8, 2009

Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26, 2009
Charles G. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

AECOM

DISTRICT ONE DESIGNCONSULTANT SERVICES PROJECT MANAGER
RAJENDRA SHAH (847) 705-4555

GENERAL NOTES:

1. ALL WORK IN THIS CONTRACT SHALL BE COMPLETED BY SEPTEMBER 1, 2009.
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
5. THIS CONTRACT DOES NOT INCLUDE QUANTITIES FOR THE PAY ITEMS "SOIL STABILIZERS" AND "APPLYING DUST SUPPRESSION AGENTS". IT HAS BEEN DETERMINED THAT THESE ITEMS ARE NOT NEEDED FOR THE WORK ASSOCIATED WITH THIS CONTRACT. IF THE ENGINEER DETERMINES THAT THIS WORK IS NECESSARY, PAYMENT SHALL BE MADE IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH:
 - CONTRACT 60A62 - NORTHBOUND LOCAL LANES (63RD STREET TO GARFIELD BOULEVARD)
 - CONTRACT 62301 - NORTHBOUND LOCAL LANES (GARFIELD BOULEVARD TO 31ST STREET)
 - CONTRACT 60A63 - SOUTHBOUND LOCAL LANES (63RD STREET TO GARFIELD BOULEVARD)
 - CONTRACT 62303 - SOUTHBOUND LOCAL LANES (GARFIELD BOULEVARD TO 31ST STREET)
 - CONTRACT 62583 - LIGHTING AND SURVEILLANCE 31ST ST TO I-57 INTERCHANGE
 - CONTRACT 62985 - FLUTED KNEE WALL ALONG WENTWORTH AVENUE AND WELLS AVENUE (63RD STREET TO 62ND STREET)
 - CONTRACT 62986 - FLUTED KNEE WALL ALONG WENTWORTH AVENUE (48TH STREET TO 47TH STREET)
 - CONTRACT 62987 - FLUTED KNEE WALL ALONG WELLS (50TH STREET TO 47TH STREET)
 - CONTRACT 60A72 - NORTHBOUND ROADSIDE EMBANKMENT LANDSCAPING
 - CONTRACT 60A73 - SOUTHBOUND ROADSIDE EMBANKMENT LANDSCAPING
 - CONTRACT 60A77 - GATEWAY LANDSCAPING AND IRRIGATION AT 63RD STREET
 - CONTRACT 60A78 - GATEWAY LANDSCAPING AND IRRIGATION AT 47TH STREET
 - CONTRACT 60B88 - FENCING AND GATING INSTALLATION (71ST STREET TO 63RD STREET)
 - CONTRACT 62983 - FLUTED KNEE WALL ALONG STATE STREET (71ST STREET TO 63RD STREET)
 - CONTRACT 62984 - FLUTED KNEE WALL ALONG LAFAYETTE AVENUE (71ST STREET TO 63RD STREET)
7. THE LOCATION OF VARIOUS ITEMS SUCH AS PAVEMENT, RETAINING WALLS, AND DRAINAGE STRUCTURES BUILT IN CONTRACTS UNDER CONSTRUCTION DURING THE PREPARATION OF THESE PLANS IS BASED ON THE PUBLISHED CONTRACT PLAN DRAWINGS AVAILABLE DURING DESIGN. THE CONTRACTOR MUST FIELD VERIFY LIMITS, LOCATIONS, AND ELEVATIONS OF THESE PREVIOUSLY CONSTRUCTED ITEMS.
8. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AND AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF R.O.W. MARKERS SHALL REMAIN UNDISTURBED.
9. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
10. THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH THE CONTRACTORS OF CONTRACT 62985 AND CONTRACT 62987 FOR THE LOCATION OF THE RAMP METER FLASHER POST AND THE FIRST FENCE POST AT ALL GORE LOCATIONS.
11. STATIONING OF THE FENCING, AS PROVIDED ON THE PLAN SHEETS, IS APPROXIMATE AND FOR ESTIMATION PURPOSES ONLY. FENCING SHALL BE INSTALLED PER THE DETAILS FOR THE RESPECTIVE KNEE WALLS CONSTRUCTED IN CONTRACTS 62985, 62986 AND 62987.
12. TRAFFIC CONTROL ALONG THE FRONTAGE ROADS AND RAMPS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
13. THE CONTRACTOR SHALL PROTECT ALL BLUNT ENDS OF THE KNEE WALL FOR TRAFFIC SAFETY. ALL TEMPORARY PROTECTION DEVICES USED FOR THIS PURPOSE SHALL BE NCHRP 350 COMPLIANT AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
14. THE CONTRACTOR MUST COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES OF THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL THE CHICAGO UTILITY ALERT NETWORK (C.U.A.N.) AT (312) 744-7000 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED). THE CONTRACTOR MUST CONTACT THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT, PERMIT SECTION AT (312) 747-7893 FOR WATER AND CITY SEWER LOCATIONS.

AECOM

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

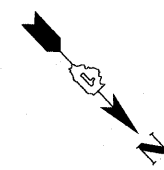
GENERAL NOTES AND PROJECT COMMITMENTS

SCALE: NONE
DATE: JANUARY 14, 2009

DRAWN BY: NJH
CHECKED BY: RMG

\\usbrjlf207\p207\40468\40468\civil\28-free-wall-fence\contract 35\gn350\2009 1/13/2009 12:34:13 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



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

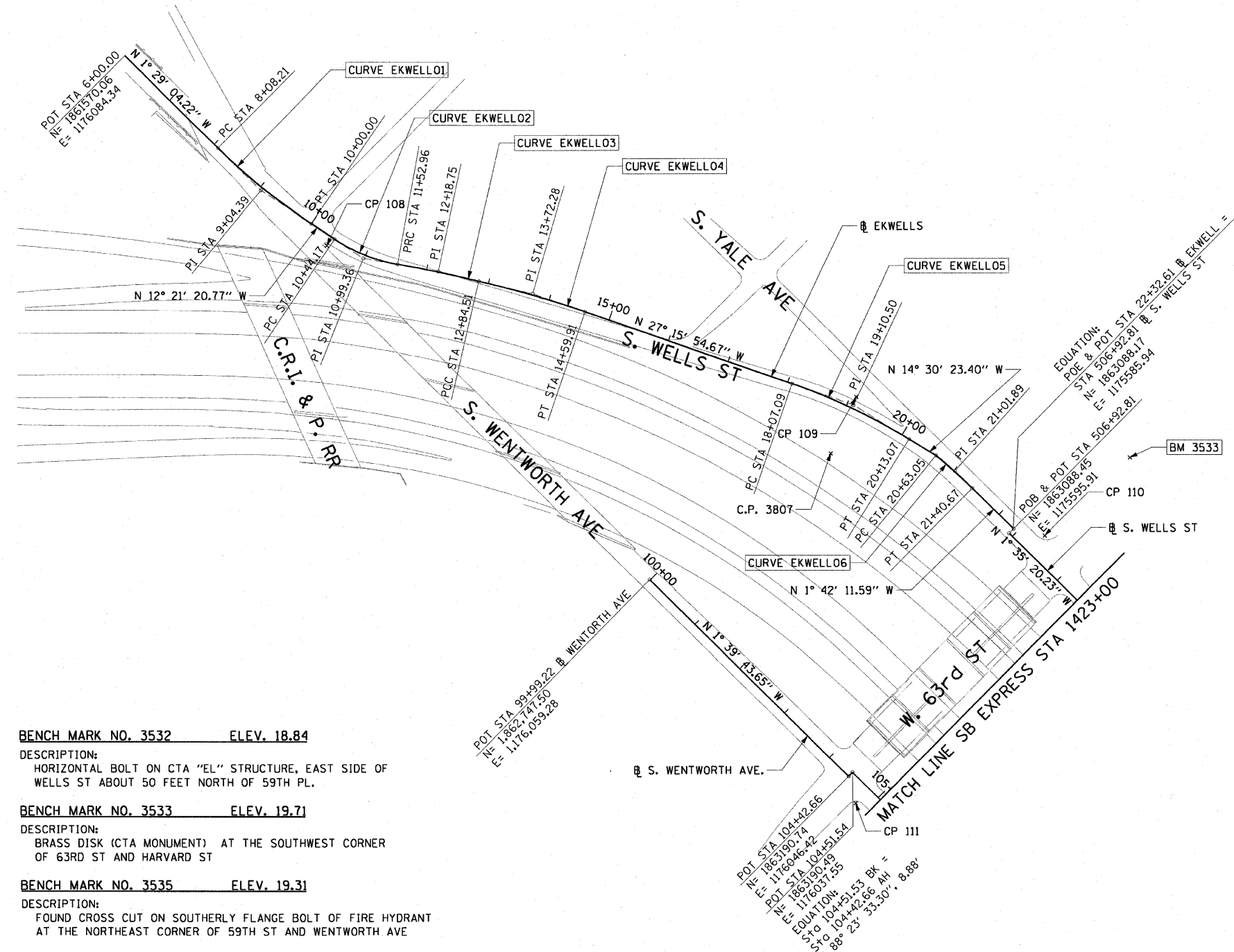
CURVE EKWELLO2
P.I. STA= 10+99.36
N= 1,862,065.35
E= 1,176,034.61
Δ= 23° 41' 58"
D= 21° 47' 07"
R= 263.00'
T= 55.18'
L= 108.78'
E= 4.56'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 10+44.17
N= 1,862,011.45
E= 1,176,002.13
P.T. STA= 11+52.96
N= 1,862,109.97
E= 1,176,002.13

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

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

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

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



- BENCH MARK NO. 3528** **ELEV. 16.20**
DESCRIPTION:
CROSS CUT ON NORTHWESTERLY BOLT OF FIRE HYDRANT
AT THE NORTHWEST CORNER OF 45TH ST AND WENTWORTH AVE
- BENCH MARK NO. 3530** **ELEV. 18.18**
DESCRIPTION:
CROSS CUT ON SOUTHEAST BOLT OF LIGHT POLE BASE
AT THE NORTHWEST CORNER OF 51ST ST AND WELLS ST
- BENCH MARK NO. 3531** **ELEV. 17.55**
DESCRIPTION:
CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT
AT THE NORTHEAST CORNER OF GARFIELD BLVD AND WELLS ST

- BENCH MARK NO. 3532** **ELEV. 18.84**
DESCRIPTION:
HORIZONTAL BOLT ON CTA "EL" STRUCTURE, EAST SIDE OF
WELLS ST ABOUT 50 FEET NORTH OF 59TH PL.
- BENCH MARK NO. 3533** **ELEV. 19.71**
DESCRIPTION:
BRASS DISK (CTA MONUMENT) AT THE SOUTHWEST CORNER
OF 63RD ST AND HARVARD ST

- BENCH MARK NO. 3535** **ELEV. 19.31**
DESCRIPTION:
FOUND CROSS CUT ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT
AT THE NORTHEAST CORNER OF 59TH ST AND WENTWORTH AVE
- BENCH MARK NO. 3536** **ELEV. 18.37**
DESCRIPTION:
CROSS CUT ON SOUTHEASTERLY FLANGE BOLT OF FIRE HYDRANT
AT THE SOUTHEAST CORNER OF GARFIELD BLVD AND WENTWORTH AVE
- BENCH MARK NO. 3537** **ELEV. 17.71**
DESCRIPTION:
CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT
AT THE NORTHEAST CORNER OF 51ST ST AND WENTWORTH AVE

- BENCH MARK NO. 3538** **ELEV. 17.31**
DESCRIPTION:
CROSS CUT ON EASTERLY FLANGE BOLT OF FIRE HYDRANT
AT THE NORTHEAST CORNER OF 47TH ST AND LASALLE ST

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

ALIGNMENT PLAN

SCALE: 1"=100'
DATE: JANUARY 14, 2009

DRAWN BY: NJH
CHECKED BY: RMG

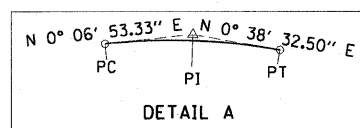
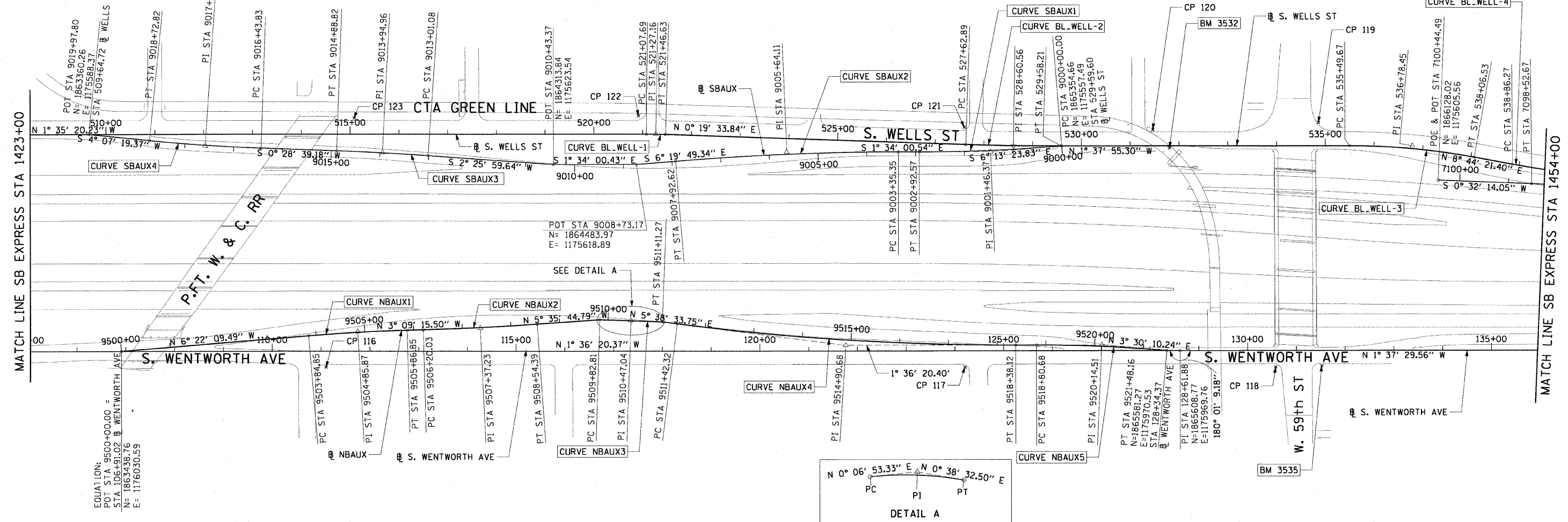
12-3406 FH 7/13/2009

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	5
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

60A03



CURVE SBAUX1	CURVE SBAUX2	CURVE SBAUX3	CURVE SBAUX4
P.I. STA= 9001+46.37	P.I. STA= 9005+64.11	P.I. STA= 9013+94.96	P.I. STA= 9017+58.36
N= 1,865,209.16	N= 1,864,791.41	N= 1,863,962.56	N= 1,863,599.16
E= 1,175,573.36	E= 1,175,584.78	E= 1,175,608.62	E= 1,175,605.59
Δ= 4° 39' 23"	Δ= 4° 45' 49"	Δ= 1° 57' 20"	Δ= 3° 38' 40"
D= 1° 35' 30"	D= 1° 02' 30"	D= 1° 02' 30"	D= 1° 35' 30"
R= 3600.00'	R= 5500.00'	R= 5500.00'	R= 3600.00'
T= 146.37'	T= 228.77'	T= 93.88'	T= 114.53'
L= 292.57'	L= 457.27'	L= 187.72'	L= 228.99'
E= 2.97'	E= 4.76'	E= 0.80'	E= 1.82'
e= N/A	e= N/A	e= N/A	e= N/A
T.R.= N/A	T.R.= N/A	T.R.= N/A	T.R.= N/A
S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= N/A
P.C. STA= 9000+00.00	P.C. STA= 9003+35.35	P.C. STA= 9013+01.08	P.C. STA= 9016+43.83
N= 1,865,354.66	N= 1,865,020.09	N= 1,864,056.35	N= 1,863,713.69
E= 1,175,557.49	E= 1,175,578.53	E= 1,175,612.60	E= 1,175,606.54
P.T. STA= 9002+92.57	P.T. STA= 9007+92.62	P.T. STA= 9014+88.82	P.T. STA= 9018+72.82
N= 1,865,062.84	N= 1,864,564.03	N= 1,863,868.69	N= 1,863,484.92
E= 1,175,577.36	E= 1,175,610.01	E= 1,175,607.83	E= 1,175,597.35



CURVE NBAUX1	CURVE NBAUX2	CURVE NBAUX3	CURVE NBAUX4	CURVE NBAUX5	CURVE BL_WELL-1	CURVE BL_WELL-2	CURVE BL_WELL-3
P.I. STA= 9504+85.87	P.I. STA= 9507+37.23	P.I. STA= 9510+47.04	P.I. STA= 9514+90.68	P.I. STA= 9520+14.51	P.I. STA= 521+27.16	P.I. STA= 528+60.56	P.I. STA= 536+78.45
N= 1,863,921.64	N= 1,864,172.66	N= 1,864,481.34	N= 1,864,923.14	N= 1,865,447.69	N= 1,864,522.25	N= 1,865,255.64	N= 1,866,073.22
E= 1,175,976.69	E= 1,175,962.85	E= 1,175,939.03	E= 1,175,977.06	E= 1,175,962.35	E= 1,175,556.14	E= 1,175,560.31	E= 1,175,537.02
Δ= 3° 12' 54"	Δ= 2° 26' 29"	Δ= 0° 31' 39"	Δ= 7° 14' 54"	Δ= 5° 06' 31"	Δ= 1° 54' 54"	Δ= 1° 57' 29"	Δ= 10° 22' 17"
D= 1° 35' 30"	D= 1° 02' 30"	D= 0° 24' 38"	D= 1° 02' 30"	D= 1° 54' 35"	D= 4° 55' 05"	D= 1° 00' 09"	D= 4° 02' 16"
R= 3600.00'	R= 5500.00'	R= 13952.00'	R= 5500.00'	R= 3000.00'	R= 1165.00'	R= 5715.00'	R= 1419.00'
T= 101.03'	T= 117.20'	T= 64.23'	T= 348.36'	T= 133.83'	T= 19.47'	T= 97.67'	T= 128.78'
L= 202.00'	L= 234.36'	L= 128.46'	L= 695.79'	L= 267.48'	L= 38.94'	L= 195.31'	L= 256.86'
E= 1.42'	E= 1.25'	E= 0.15'	E= 11.02'	E= 2.98'	E= 0.16'	E= 0.83'	E= 5.83'
e= N/A	e= N/A	e= N/A	e= N/A	e= N/A	e= N/A	e= N/A	e= N/A
T.R.= N/A	T.R.= N/A	T.R.= N/A	T.R.= N/A	T.R.= 11' (0')	T.R.= N/A	T.R.= N/A	T.R.= N/A
S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= 66' (0')	S.E. RUN= N/A	S.E. RUN= N/A	S.E. RUN= N/A
P.C. STA= 9503+84.85	P.C. STA= 9506+20.03	P.C. STA= 9509+82.81	P.C. STA= 9511+42.32	P.C. STA= 9518+80.68	P.C. STA= 521+07.69	P.C. STA= 527+62.89	P.C. STA= 535+49.67
N= 1,863,821.23	N= 1,864,055.64	N= 1,864,417.11	N= 1,864,576.47	N= 1,865,313.91	N= 1,864,502.79	N= 1,865,157.98	N= 1,865,944.49
E= 1,175,987.89	E= 1,175,969.30	E= 1,175,938.90	E= 1,175,942.80	E= 1,175,966.10	E= 1,175,556.68	E= 1,175,559.75	E= 1,175,540.68
P.T. STA= 9505+86.85	P.T. STA= 9508+54.39	P.T. STA= 9511+11.27	P.T. STA= 9518+38.12	P.T. STA= 9521+48.16	P.T. STA= 521+46.63	P.T. STA= 529+58.21	P.T. STA= 538+06.53
N= 1,864,022.51	N= 1,864,289.30	N= 1,864,545.57	N= 1,865,271.36	N= 1,865,581.27	N= 1,864,541.72	N= 1,865,353.27	N= 1,866,200.51
E= 1,175,971.13	E= 1,175,951.42	E= 1,175,939.75	E= 1,175,967.30	E= 1,175,970.53	E= 1,175,556.25	E= 1,175,557.53	E= 1,175,556.58

NOTES:

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

AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

ALIGNMENT PLAN

SCALE: 1"=100'
 DATE: JANUARY 14, 2009

DRAWN BY: NJH
 CHECKED BY: RMG

\\scg\p20\p40465\p40465\civil\28-knee_wall_fences\contract_35\01350022a.dwg 1/13/2009 12:34:05 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	6
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

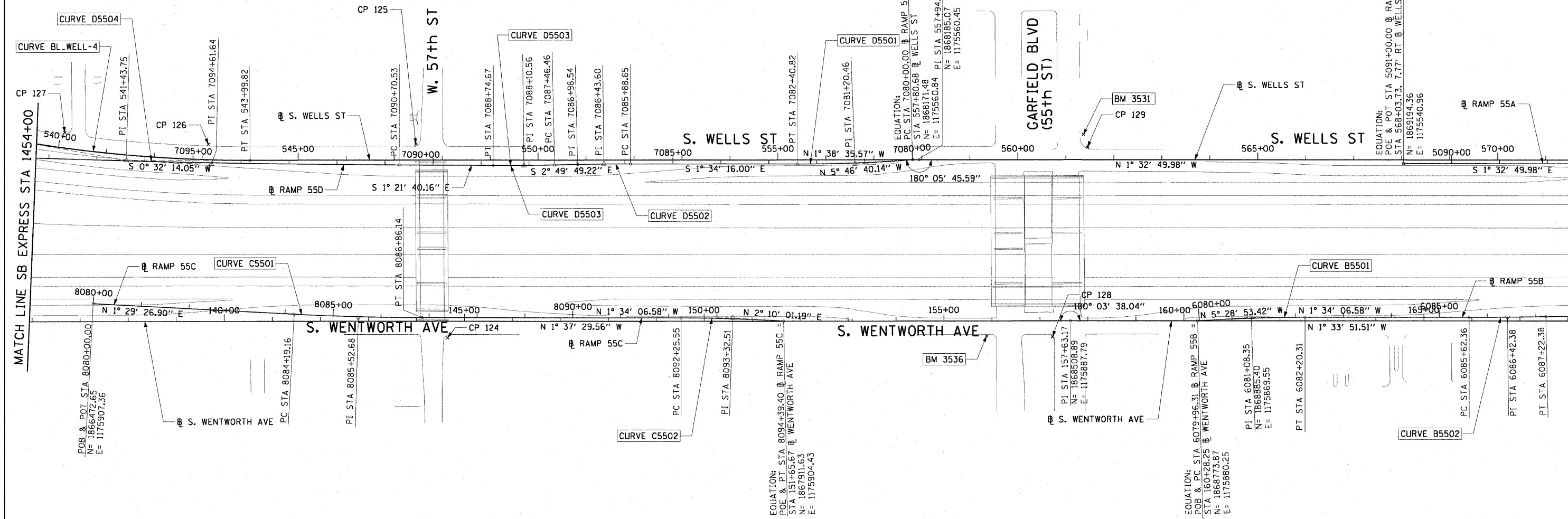
60A03



CURVE BL_WELL-4
 P.I. STA= 541+43.75
 N= 1,866,533.81
 E= 1,175,607.82
 Δ= 10° 22' 57"
 D= 2° 01' 18"
 R= 2834.00'
 T= 257.48'
 L= 513.55'
 E= 11.67'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 538+86.27
 N= 1,866,279.32
 E= 1,175,568.70
 P.T. STA= 543+99.82
 N= 1,866,791.18
 E= 1,175,600.44

CURVE B5501
 P.I. STA= 6081+08.35
 N= 1,868,885.40
 E= 1,175,869.55
 Δ= 3° 54' 47"
 D= 1° 44' 49"
 R= 3280.00'
 T= 112.05'
 L= 224.01'
 E= 1.91'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 6079+96.31
 N= 1,868,773.87
 E= 1,175,880.25
 P.T. STA= 6082+20.31
 N= 1,868,997.41
 E= 1,175,866.48

CURVE B5502
 P.I. STA= 6086+42.38
 N= 1,869,419.31
 E= 1,175,854.93
 Δ= 1° 08' 45"
 D= 0° 42' 58"
 R= 8002.00'
 T= 80.01'
 L= 160.02'
 E= 0.40'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 6085+62.36
 N= 1,869,339.33
 E= 1,175,857.12
 P.T. STA= 6087+22.38
 N= 1,869,499.24
 E= 1,175,851.14



CURVE C5501
 P.I. STA= 8085+52.68
 N= 1,867,025.15
 E= 1,175,921.74
 Δ= 3° 03' 33"
 D= 1° 08' 45"
 R= 5000.00'
 T= 133.52'
 L= 266.97'
 E= 1.78'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8084+19.16
 N= 1,866,891.67
 E= 1,175,918.26
 P.T. STA= 8086+86.14
 N= 1,867,158.61
 E= 1,175,918.08

CURVE C5502
 P.I. STA= 8093+32.51
 N= 1,867,804.75
 E= 1,175,900.39
 Δ= 3° 44' 08"
 D= 1° 44' 49"
 R= 3280.00'
 T= 106.96'
 L= 213.84'
 E= 1.74'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8092+25.55
 N= 1,867,697.83
 E= 1,175,903.32
 P.T. STA= 8094+39.40
 N= 1,867,911.63
 E= 1,175,904.43

CURVE D5501
 P.I. STA= 7081+20.46
 N= 1,868,051.63
 E= 1,175,572.97
 Δ= 4° 12' 24"
 D= 1° 44' 49"
 R= 3280.00'
 T= 120.46'
 L= 240.82'
 E= 2.21'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7080+00.00
 N= 1,868,171.48
 E= 1,175,560.84
 P.T. STA= 7082+40.82
 N= 1,867,931.21
 E= 1,175,576.27

CURVE D5502
 P.I. STA= 7086+43.60
 N= 1,867,528.58
 E= 1,175,587.31
 Δ= 1° 15' 33"
 D= 1° 08' 45"
 R= 5000.00'
 T= 54.95'
 L= 109.89'
 E= 0.30'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7085+88.65
 N= 1,867,583.50
 E= 1,175,585.81
 P.T. STA= 7086+98.54
 N= 1,867,473.70
 E= 1,175,590.03

CURVE D5503
 P.I. STA= 7088+10.56
 N= 1,867,361.81
 E= 1,175,595.56
 Δ= 1° 28' 09"
 D= 1° 08' 45"
 R= 5000.00'
 T= 64.11'
 L= 128.21'
 E= 0.41'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7087+46.46
 N= 1,867,425.84
 E= 1,175,592.39
 P.T. STA= 7088+74.67
 N= 1,867,297.72
 E= 1,175,597.08

CURVE D5504
 P.I. STA= 7094+61.64
 N= 1,866,710.92
 E= 1,175,611.02
 Δ= 1° 53' 54"
 D= 0° 14' 34"
 R= 23606.00'
 T= 391.11'
 L= 782.14'
 E= 3.24'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7090+70.53
 N= 1,867,101.91
 E= 1,175,601.73
 P.T. STA= 7098+52.67
 N= 1,866,319.83
 E= 1,175,607.36

NOTES:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

ALIGNMENT PLAN

SCALE: 1"=100'
 DATE: JANUARY 14, 2009

DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

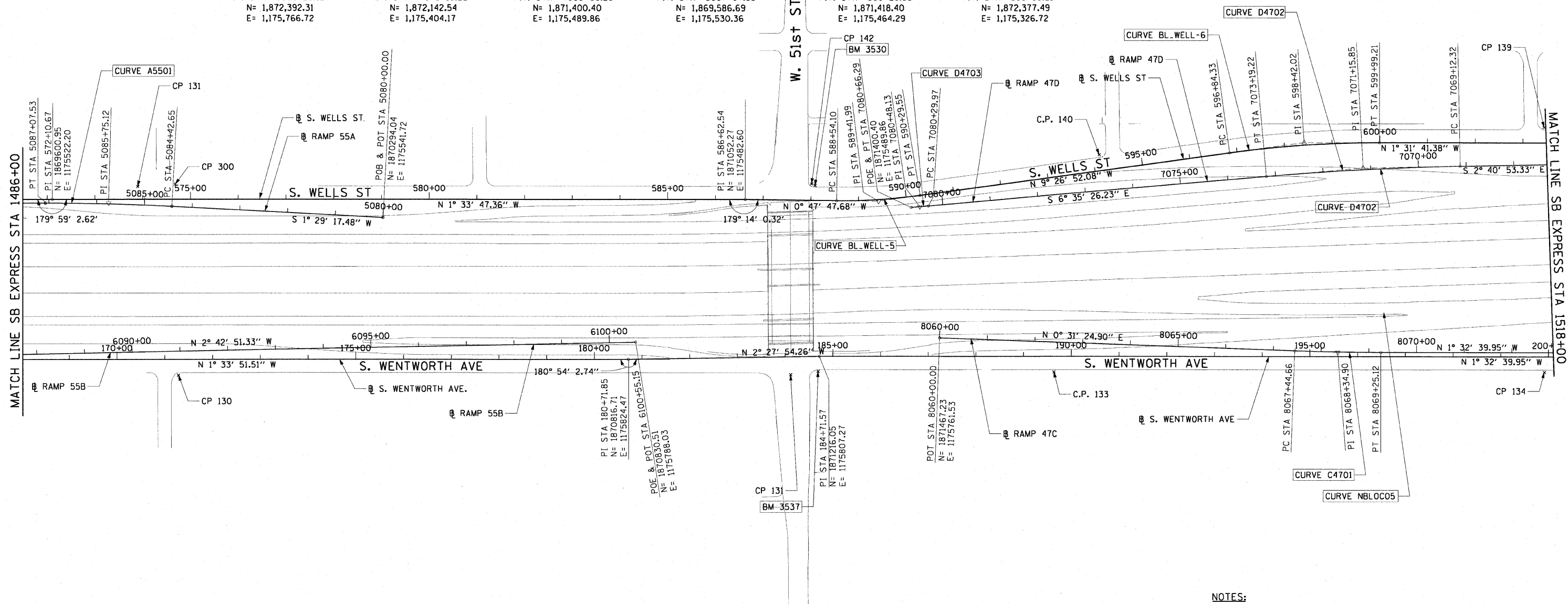
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

60A03



CURVE C4701 P.I. STA= 8068+34.90 N= 1,872,302.10 E= 1,175,769.16 Δ= 2° 04' 05" D= 1° 08' 45" R= 5000.00' T= 90.24' L= 180.47' E= 0.81' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8067+44.66 N= 1,872,211.86 E= 1,175,768.33 P.T. STA= 8069+25.12 N= 1,872,392.31 E= 1,175,766.72	CURVE D4702 P.I. STA= 7071+15.85 N= 1,872,344.72 E= 1,175,380.81 Δ= 3° 54' 33" D= 0° 57' 38" R= 5964.00' T= 203.53' L= 406.91' E= 3.47' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7069+12.32 N= 1,872,548.03 E= 1,175,371.29 P.T. STA= 7073+19.22 N= 1,872,142.54 E= 1,175,404.17	CURVE D4703 P.I. STA= 7080+48.13 N= 1,871,418.45 E= 1,175,487.83 Δ= 0° 11' 56" D= 0° 32' 51" R= 10464.00' T= 18.16' L= 36.32' E= 0.02' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7080+29.97 N= 1,871,436.49 E= 1,175,485.75 P.T. STA= 7080+66.29 N= 1,871,400.40 E= 1,175,489.86	CURVE A5501 P.I. STA= 5085+75.12 N= 1,869,719.11 E= 1,175,526.79 Δ= 3° 02' 07" D= 1° 08' 45" R= 5000.00' T= 132.48' L= 264.89' E= 1.75' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 5084+42.65 N= 1,869,851.55 E= 1,175,530.23 P.T. STA= 5087+07.53 N= 1,869,586.69 E= 1,175,530.36	CURVE BL_WELL-5 P.I. STA= 589+41.99 N= 1,871,331.70 E= 1,175,478.71 Δ= 8° 39' 04" D= 4° 55' 51" R= 1162.00' T= 87.89' L= 175.45' E= 3.32' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 588+54.10 N= 1,871,243.82 E= 1,175,479.94 P.T. STA= 590+29.55 N= 1,871,418.40 E= 1,175,464.29	CURVE BL_WELL-6 P.I. STA= 598+42.02 N= 1,872,219.86 E= 1,175,330.92 Δ= 7° 55' 11" D= 2° 30' 55" R= 2278.00' T= 157.69' L= 314.87' E= 5.45' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 596+84.33 N= 1,872,064.31 E= 1,175,356.80 P.T. STA= 599+99.21 N= 1,872,377.49 E= 1,175,326.72
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- NOTES:**
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
NAME	DATE	

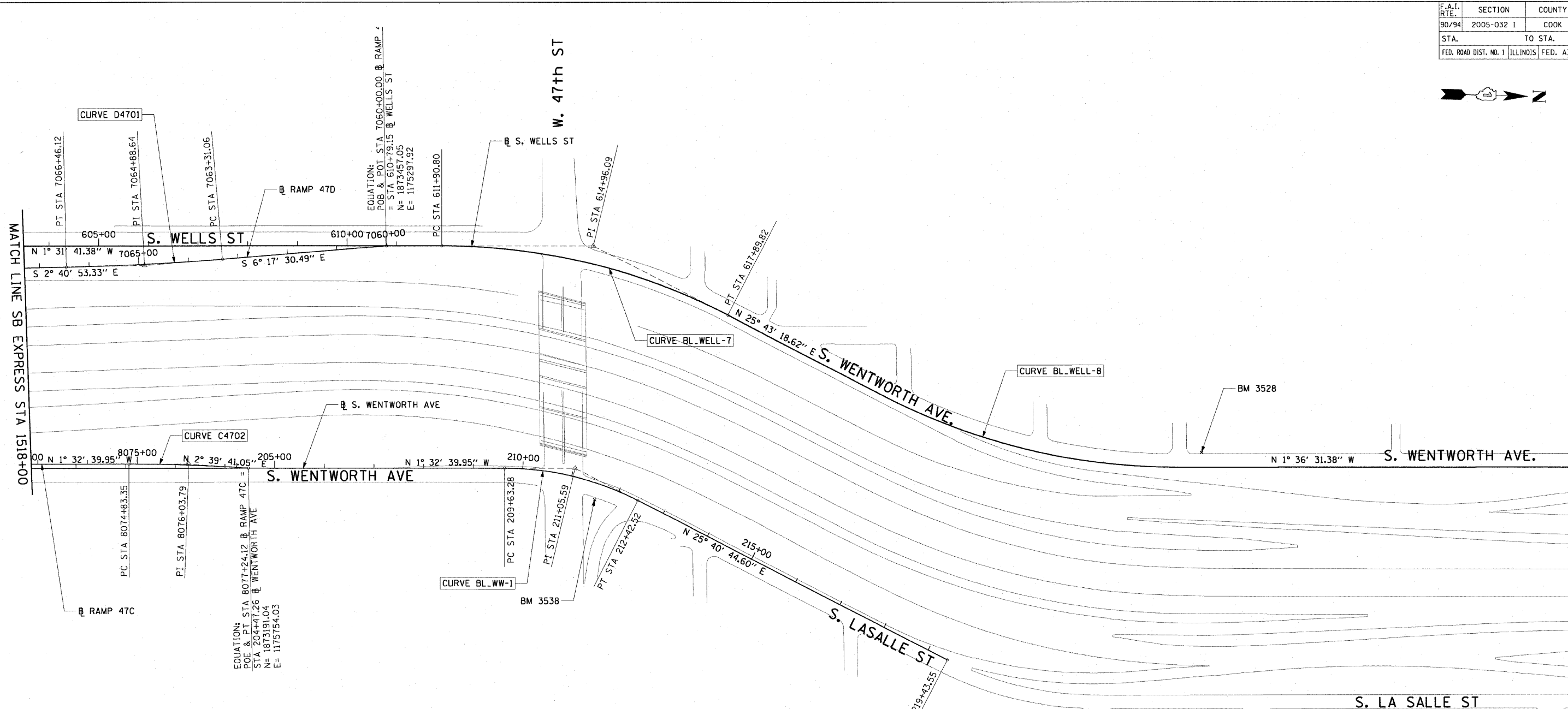
ALIGNMENT PLAN

SCALE: 1"=100'
DATE: JANUARY 14, 2009

DRAWN BY: NJH
CHECKED BY: RMG

AECOM

V:\schaff\p207\p40466\p40466.dwg\civil\28-knee-wall-fence\plan\contract_35\al3500-2a.dwg 12/3/2009



CURVE D4701	CURVE C4702	CURVE BL_WELL-8	CURVE BL_WELL-7	CURVE BL_WW-1
P.I. STA= 7064+88.64 N= 1,872,971.35 E= 1,175,351.47 Δ= 3° 36' 37" D= 1° 08' 45" R= 5000.00' T= 157.58' L= 315.06' E= 2.48' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7063+31.06 N= 1,873,127.98 E= 1,175,334.20 P.T. STA= 7066+46.12 N= 1,872,813.94 E= 1,175,358.84	P.I. STA= 8076+03.79 N= 1,873,070.73 E= 1,175,748.43 Δ= 4° 12' 21" D= 1° 44' 49" R= 3280.00' T= 120.44' L= 240.77' E= 2.21' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8074+83.35 N= 1,872,950.33 E= 1,175,751.68 P.T. STA= 8077+24.12 N= 1,873,191.04 E= 1,175,754.03	P.I. STA= 624+60.62 N= 1,874,753.20 E= 1,175,710.42 Δ= 27° 19' 50" D= 4° 27' 01" R= 1287.50' T= 313.03' L= 614.15' E= 37.51' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 621+47.59 N= 1,874,471.18 E= 1,175,574.56 P.T. STA= 627+61.73 N= 1,875,066.11 E= 1,175,701.63	P.I. STA= 614+96.09 N= 1,873,873.84 E= 1,175,286.80 Δ= 27° 15' 00" D= 4° 32' 57" R= 1259.50' T= 305.29' L= 599.02' E= 36.47' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 611+90.80 N= 1,873,568.66 E= 1,175,294.94 P.T. STA= 617+89.82 N= 1,874,148.87 E= 1,175,419.29	P.I. STA= 211+05.59 N= 1,873,849.12 E= 1,175,736.28 Δ= 27° 13' 25" D= 9° 44' 58" R= 587.69' T= 142.30' L= 279.23' E= 16.98' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 209+63.28 N= 1,873,706.87 E= 1,175,740.12 P.T. STA= 212+42.52 N= 1,873,977.37 E= 1,175,797.95

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
NAME	DATE	
		ALIGNMENT PLAN

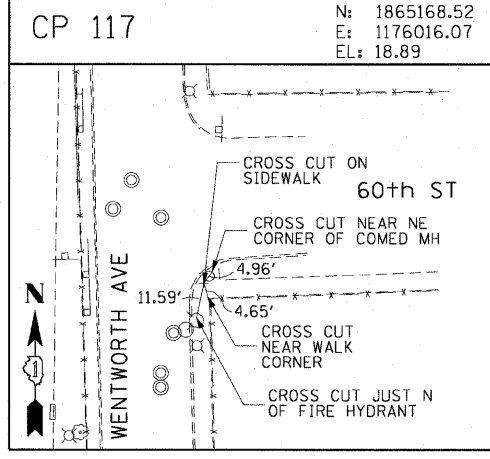
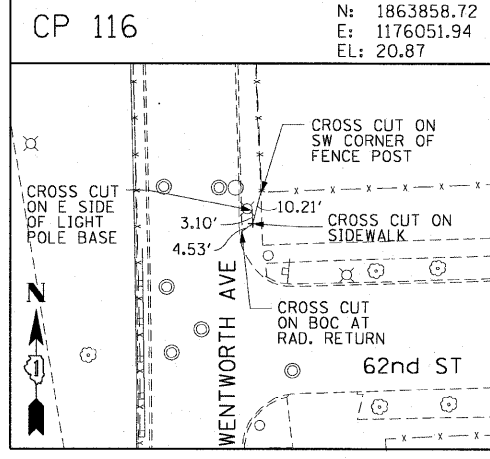
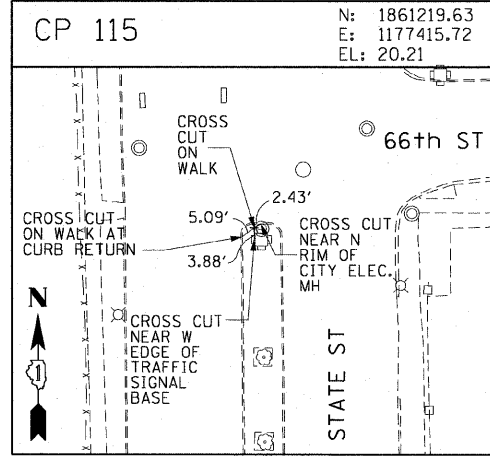
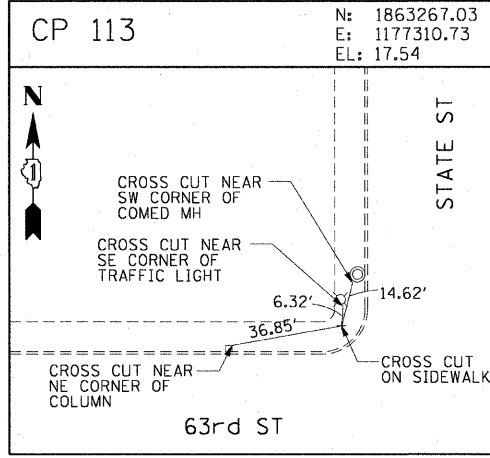
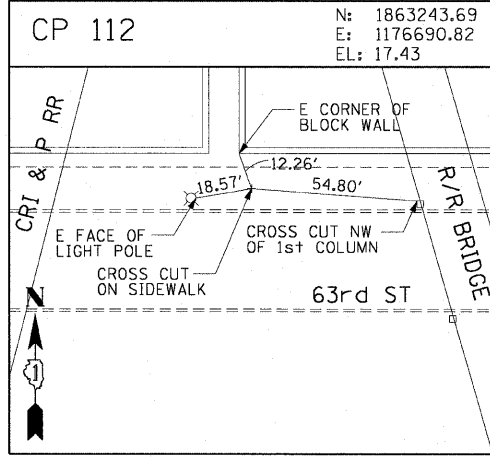
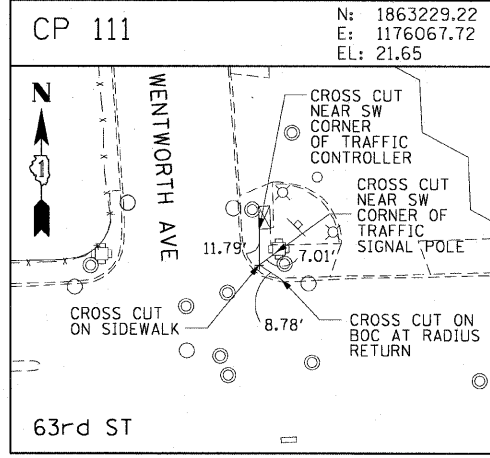
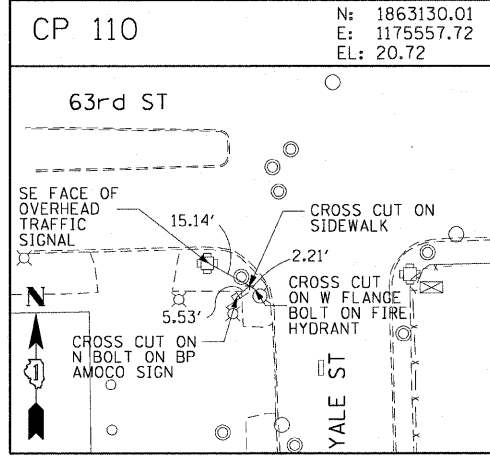
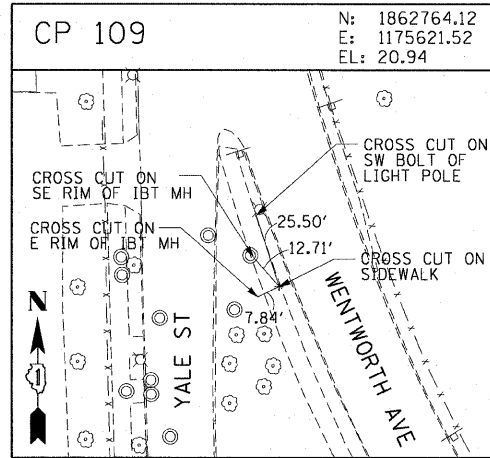
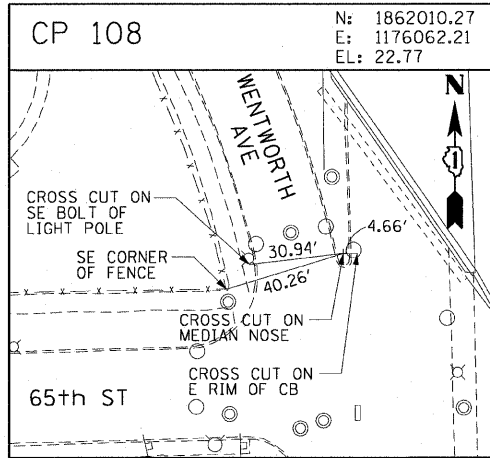
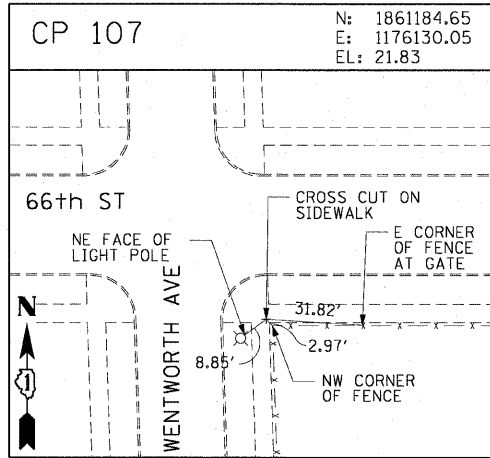
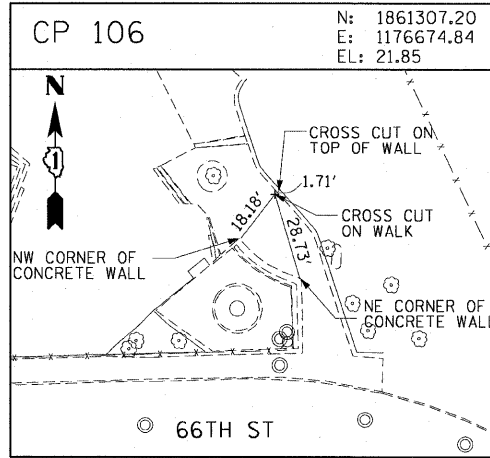
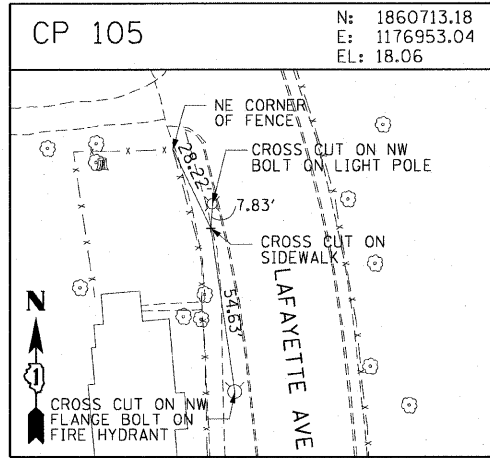
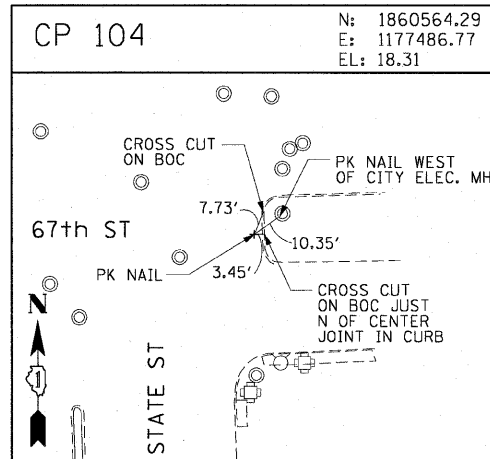
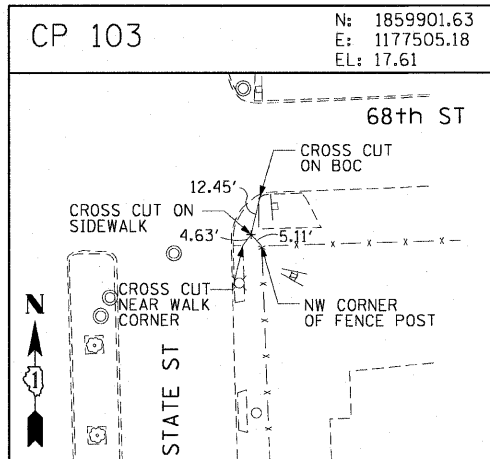
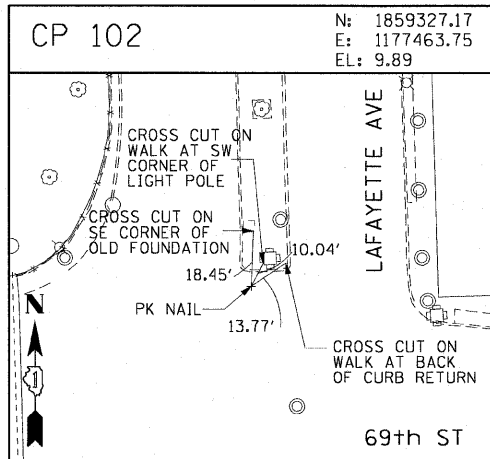
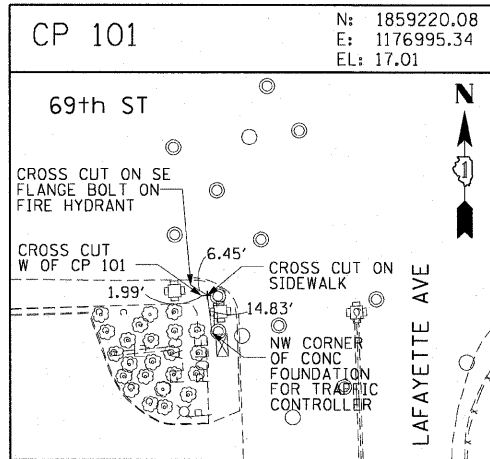
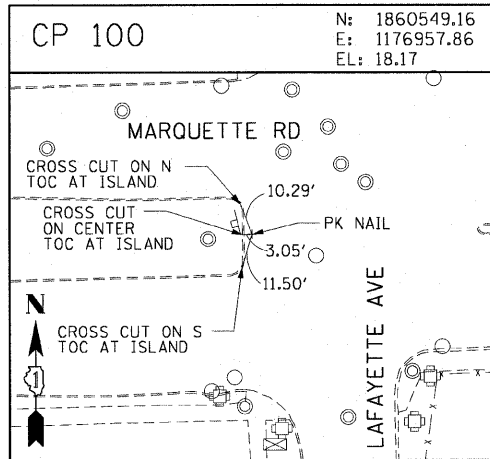
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DATE: JANUARY 14, 2009

DRAWN BY: NJH
CHECKED BY: RMG

AECOM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

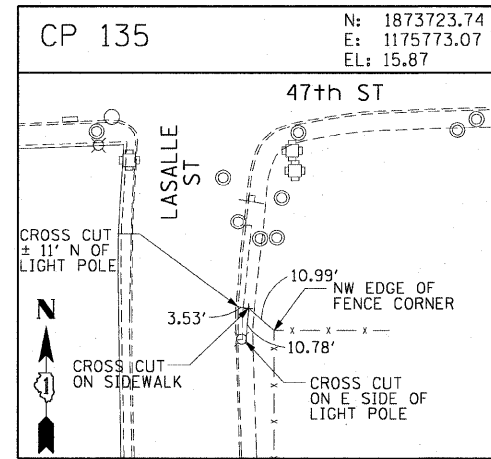
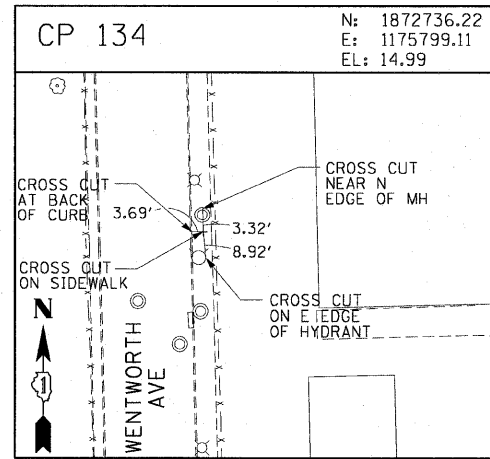
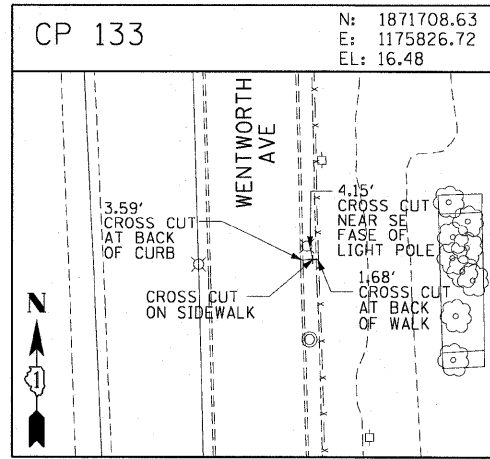
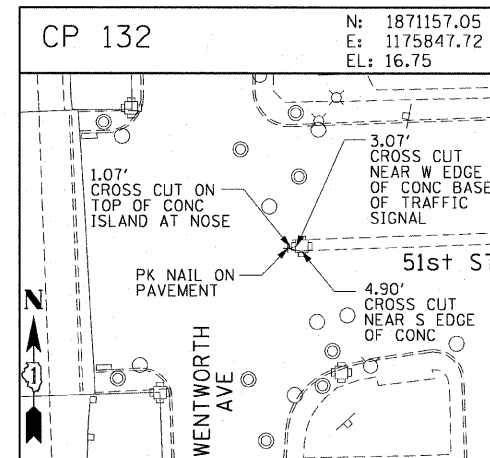
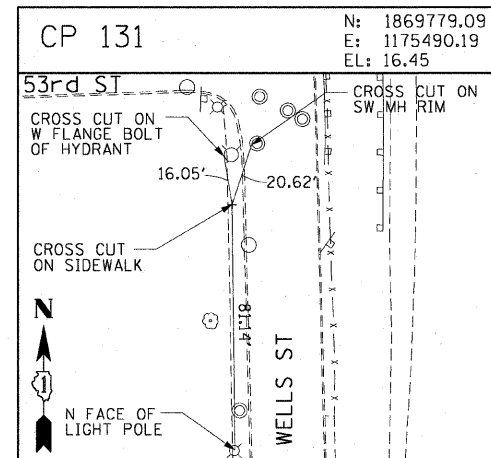
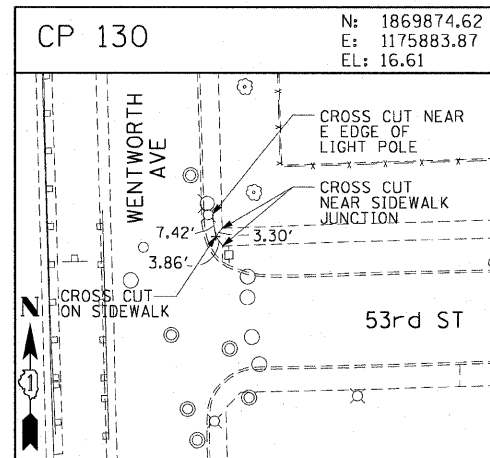
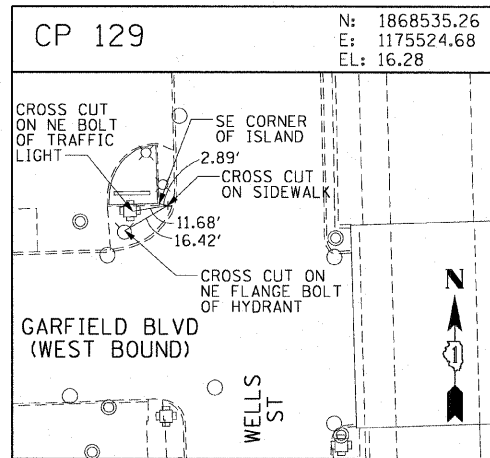
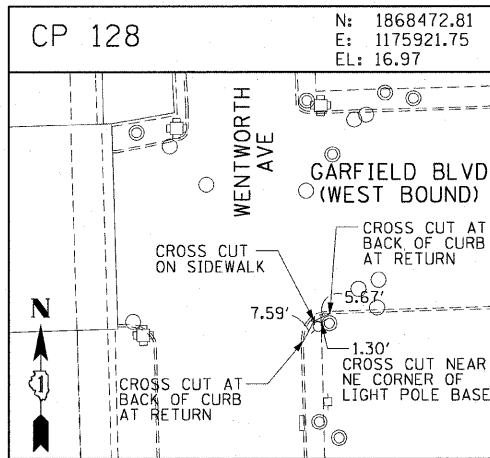
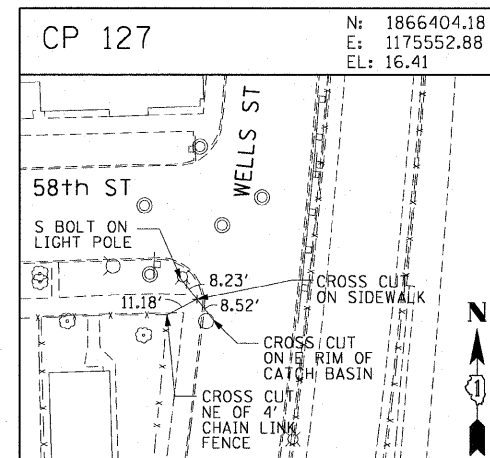
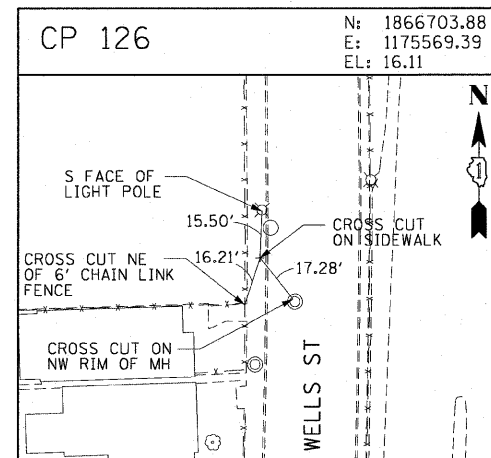
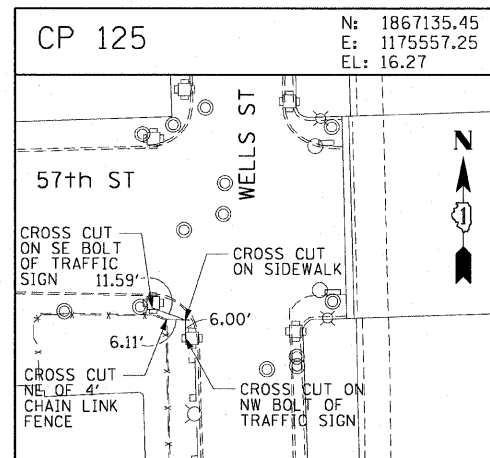
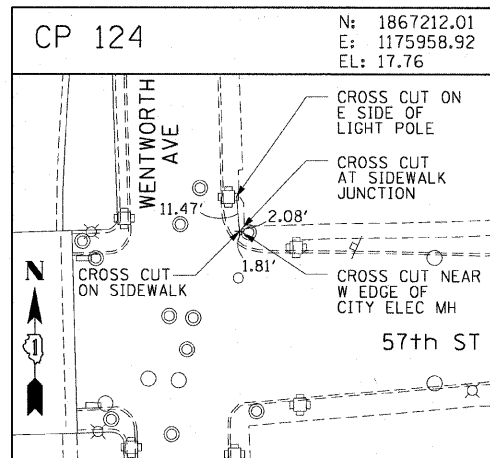
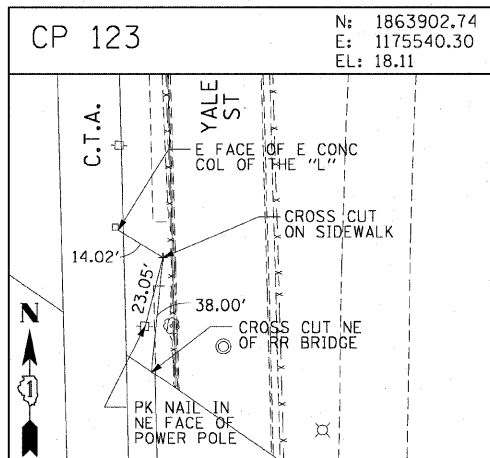
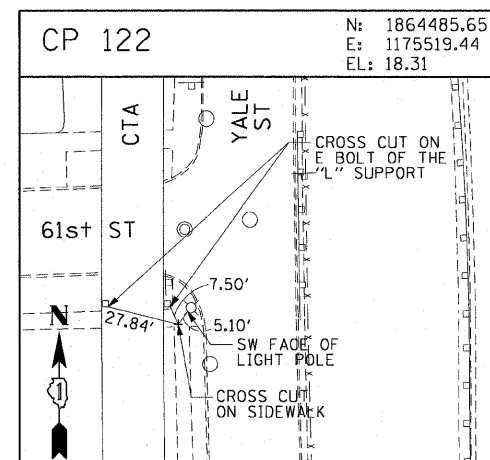
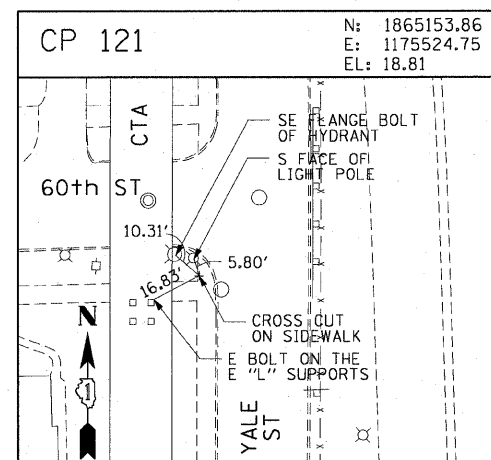
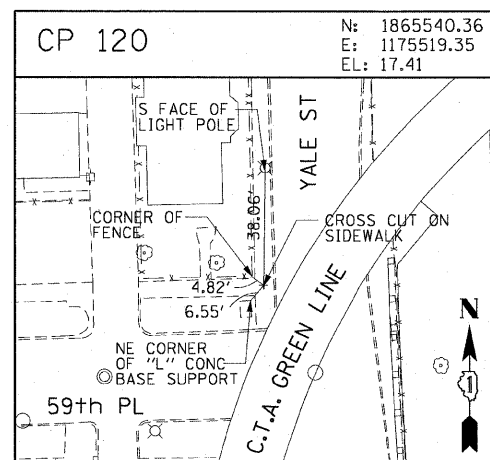
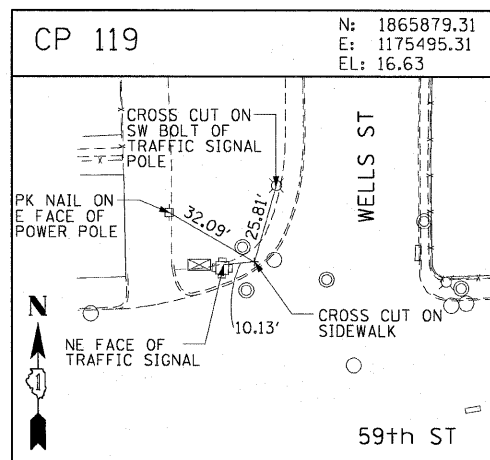
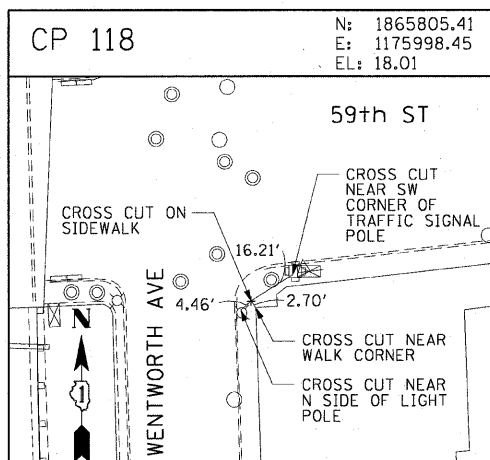
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: JANUARY 14, 2009

DRAWN BY: MRK
CHECKED BY: JAL

12-3-10 PM 1/13/2009

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

SURVEY TIES AND CONTROL POINTS

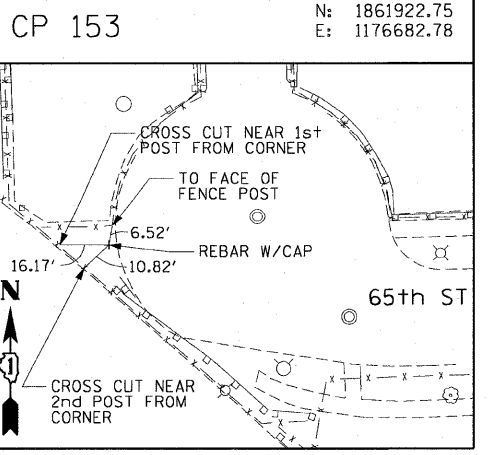
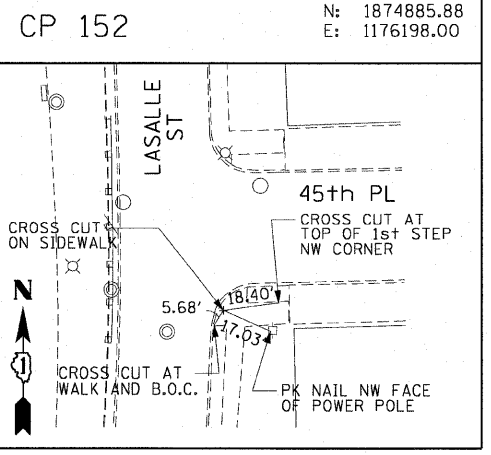
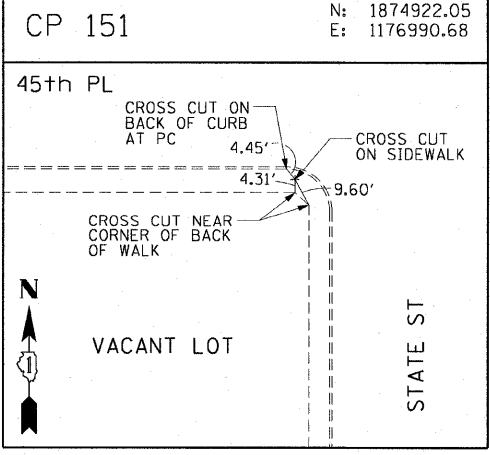
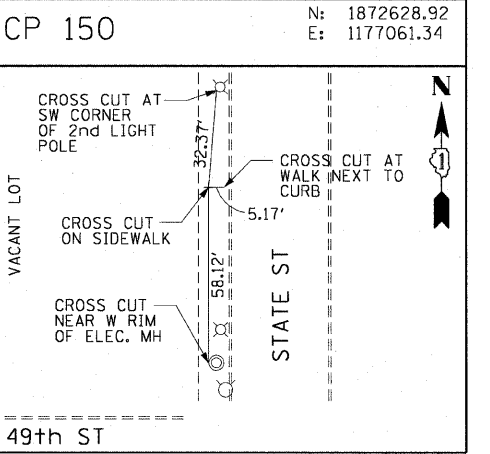
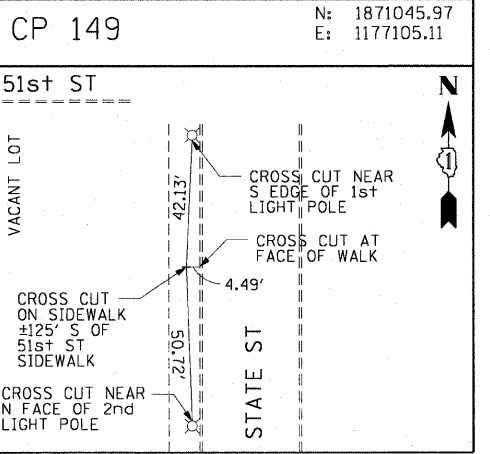
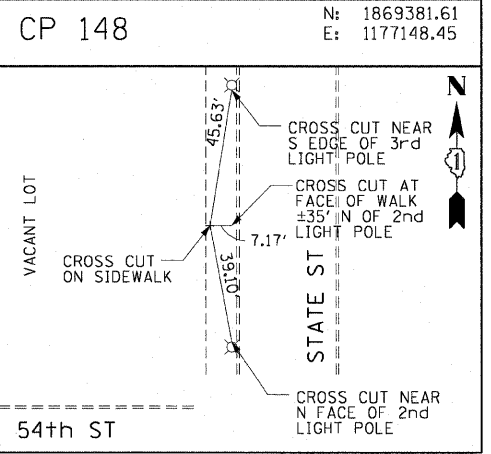
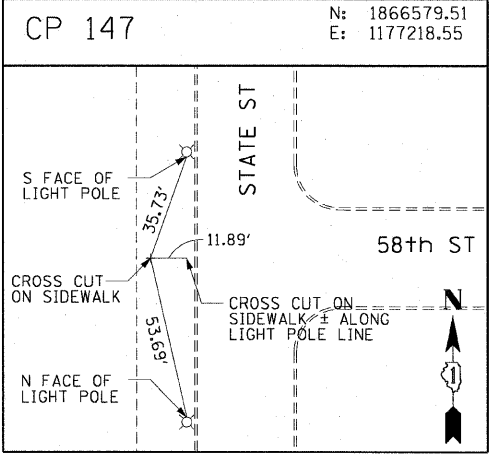
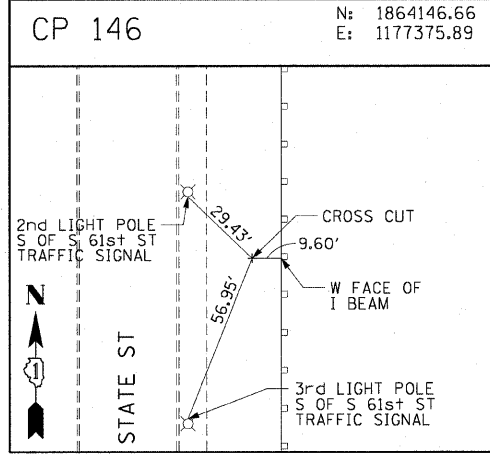
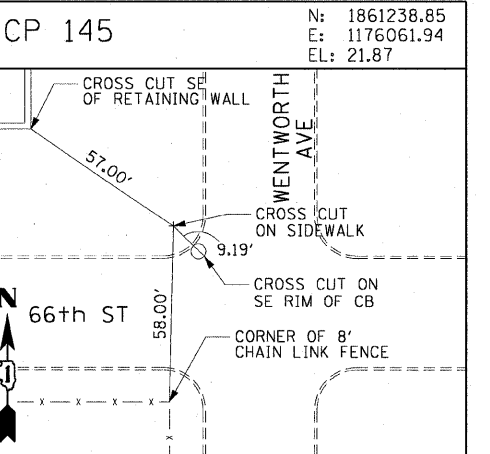
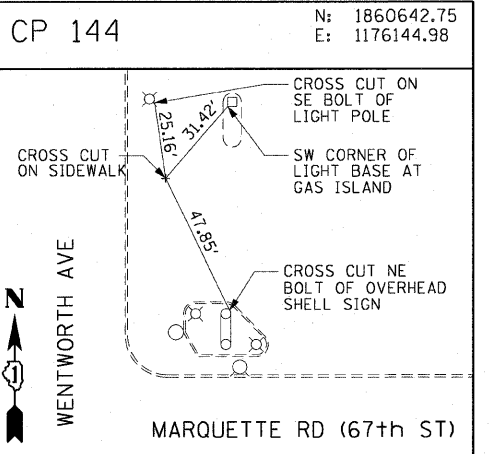
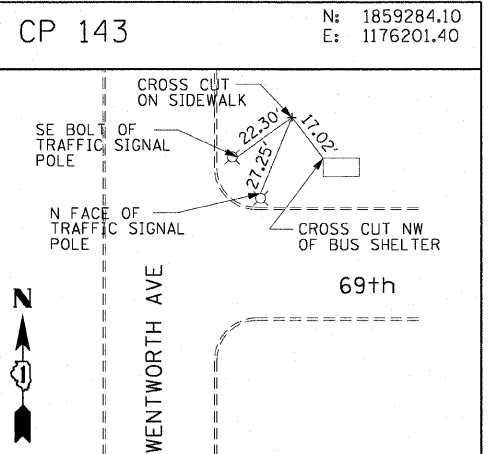
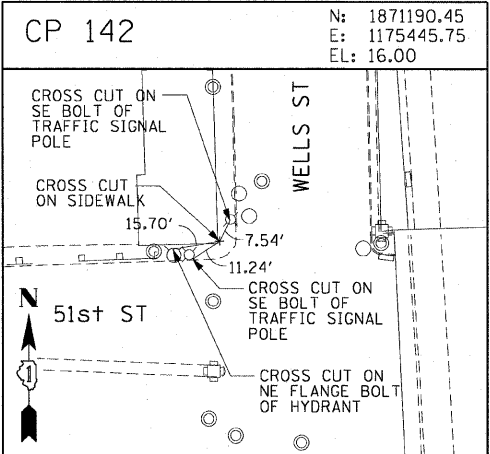
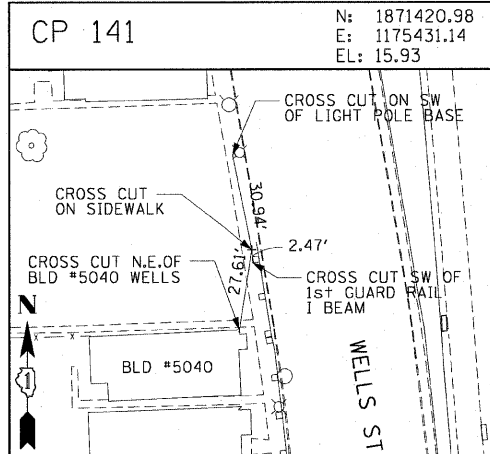
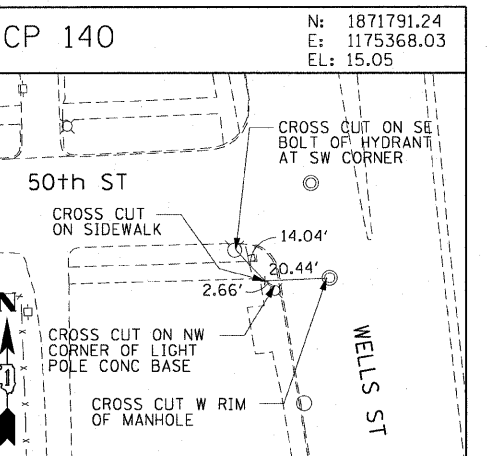
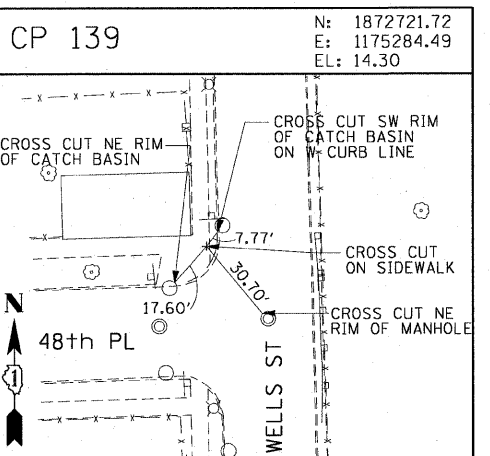
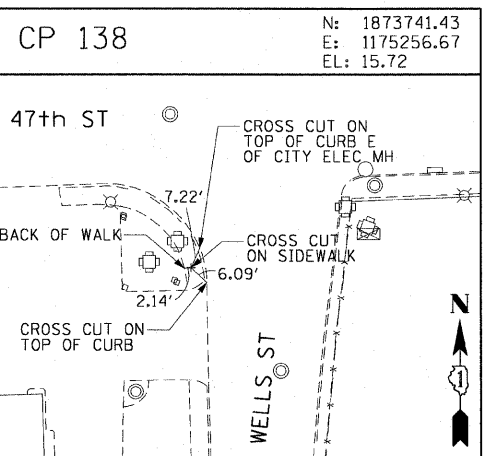
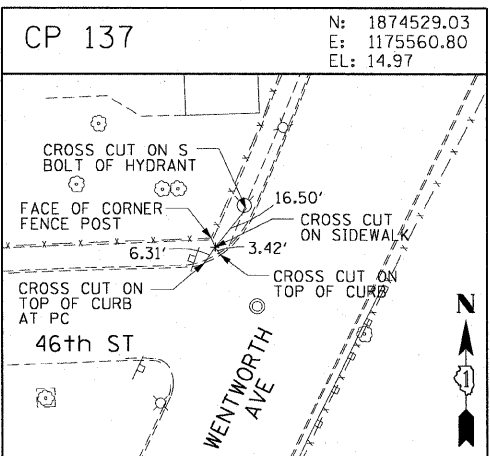
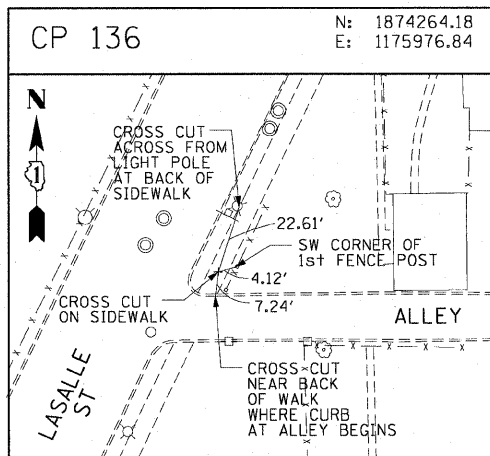
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DATE: JANUARY 14, 2009

DRAWN BY: MRK
CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	11
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

60A03



AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

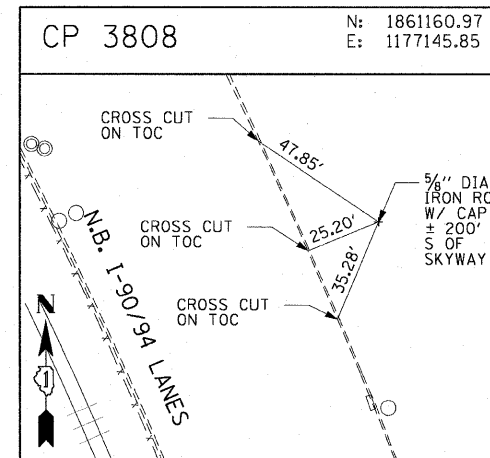
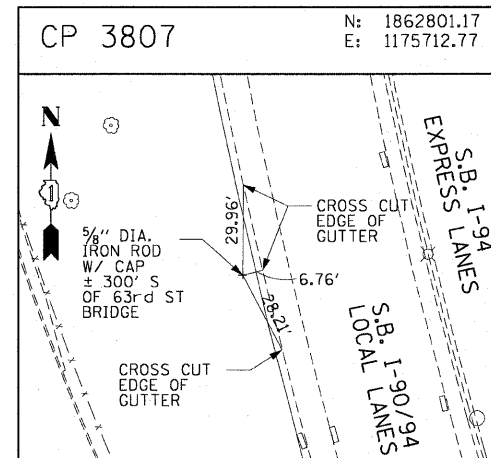
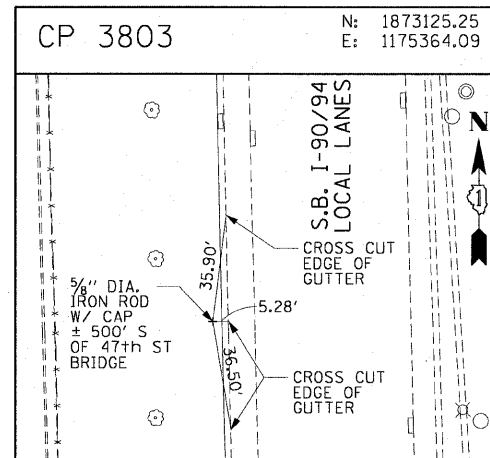
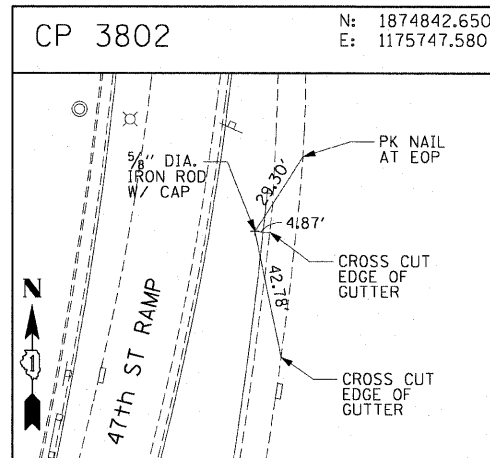
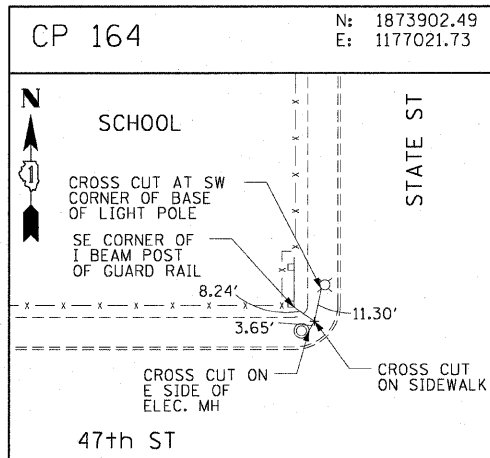
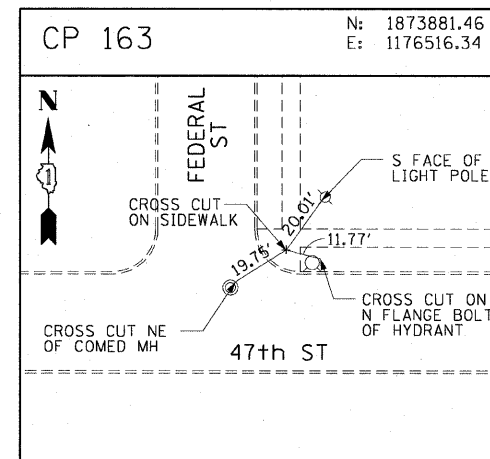
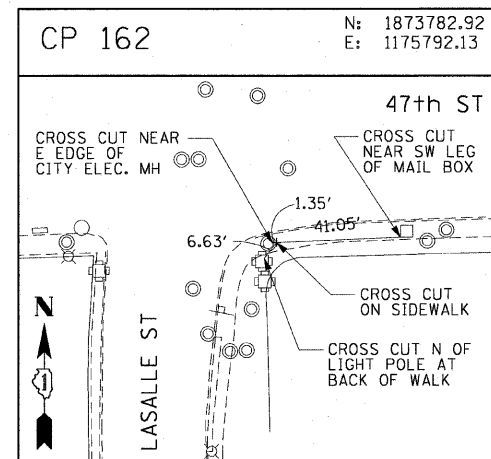
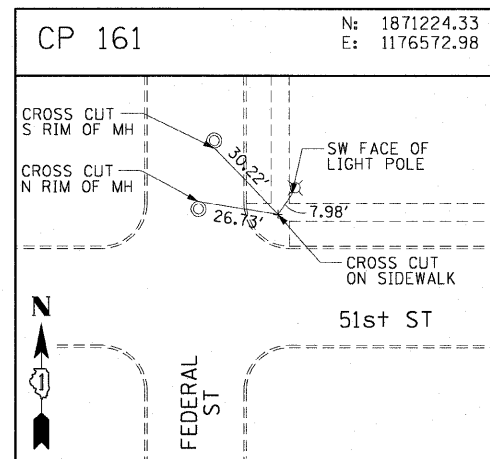
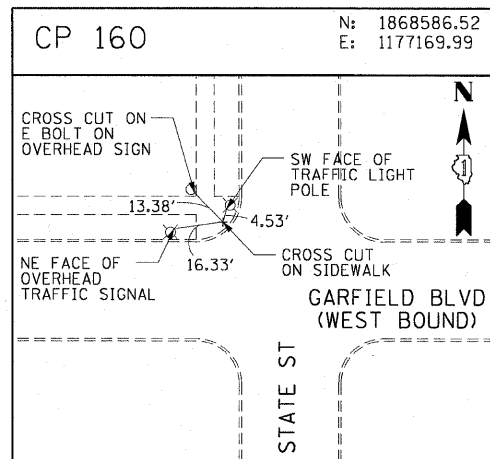
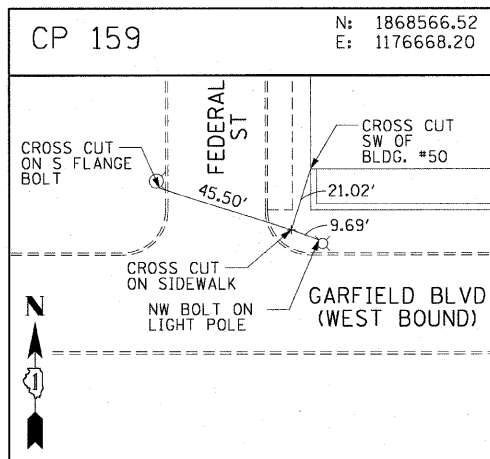
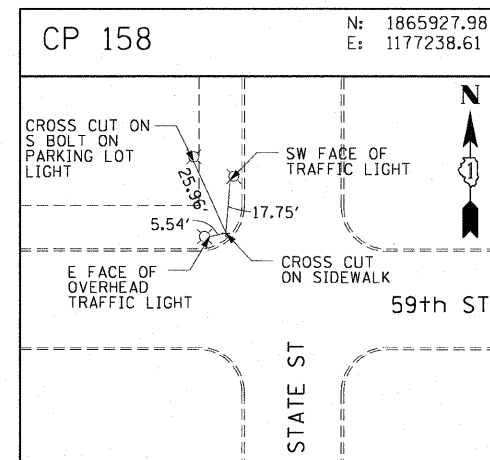
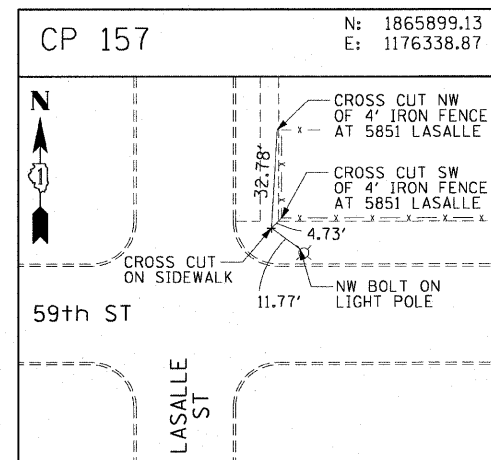
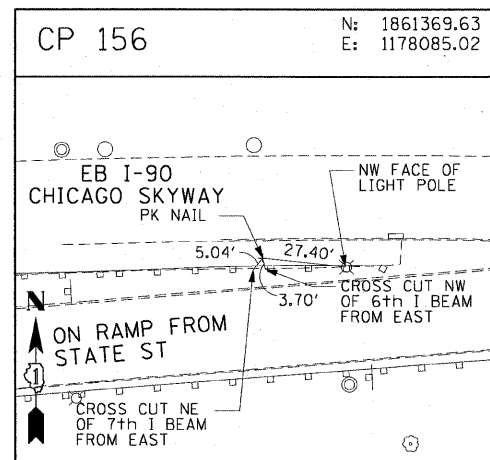
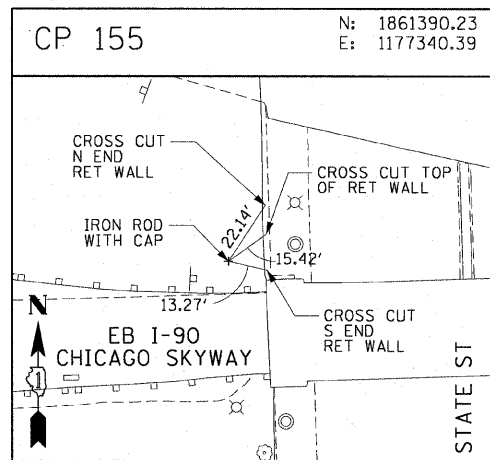
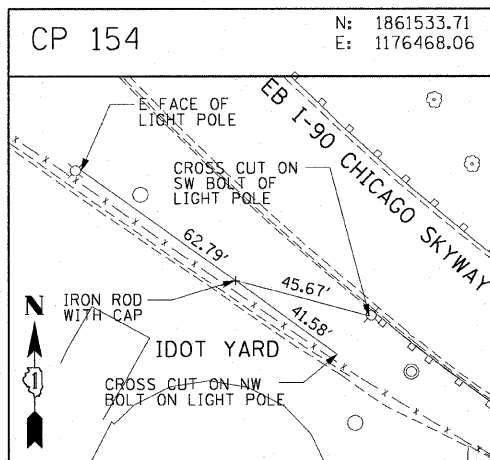
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: JANUARY 14, 2009

DRAWN BY: MRK
CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

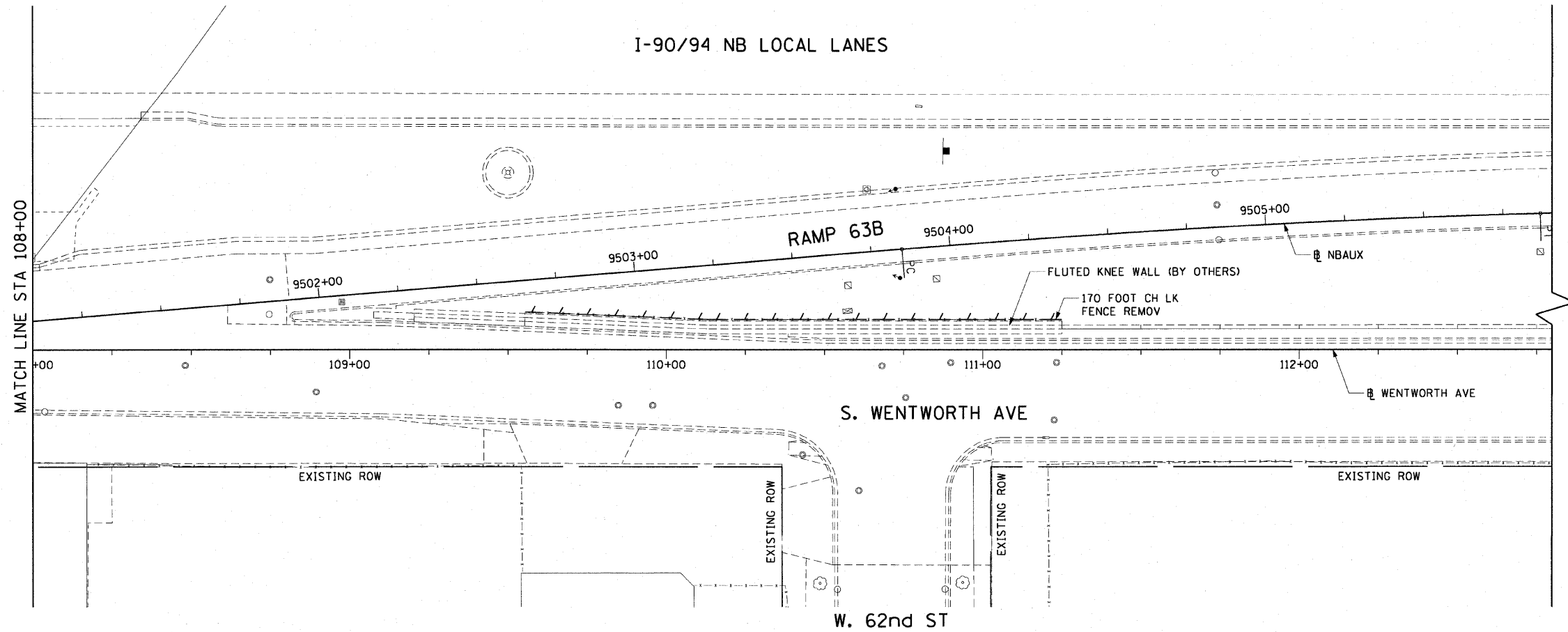
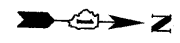
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: JANUARY 14, 2009

DRAWN BY: MRK
CHECKED BY: JAL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	14
STA. 108+00		TO STA. 111+25.50		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

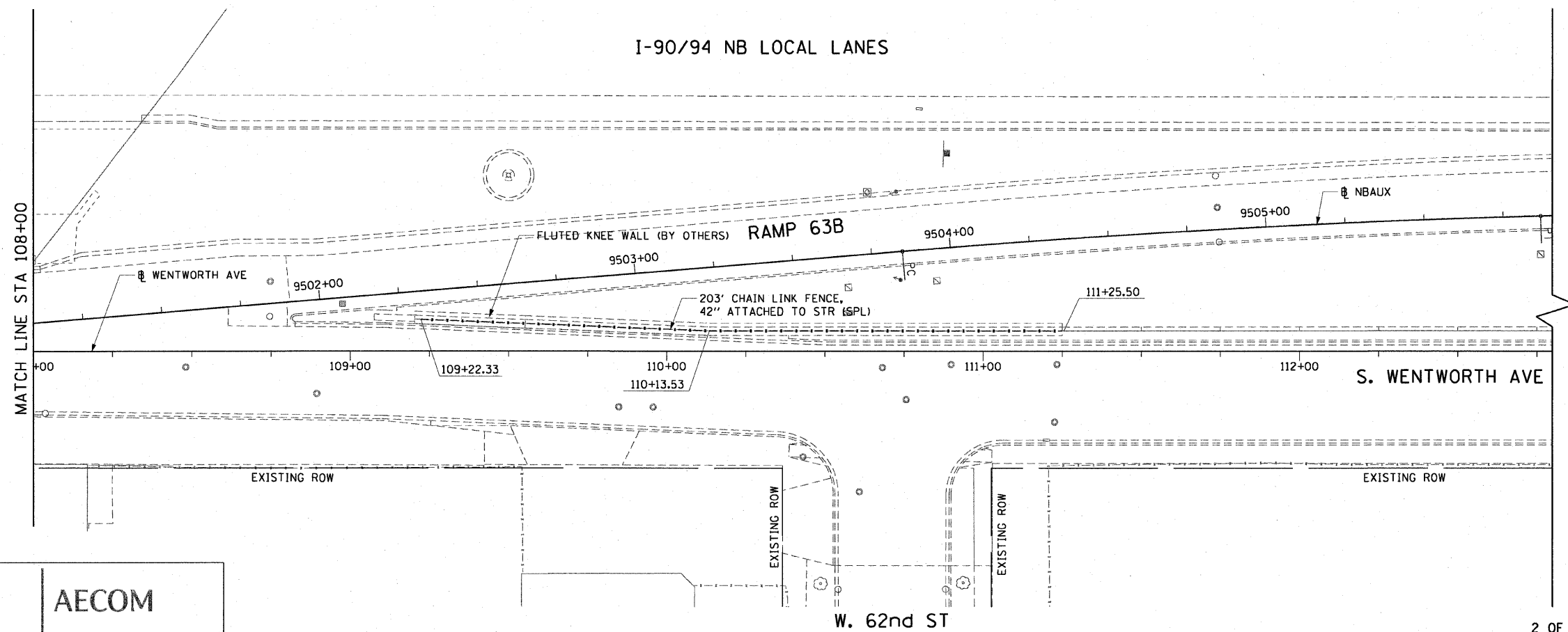
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LEGEND:

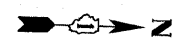
--- LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
PROPOSED IMPROVEMENTS



NOTES:

1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE AND GATE DETAILS.
2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62985.
4. COORDINATE WITH CONTRACT 62985 FOR LOCATION OF FLASHING BEACON POST.



AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

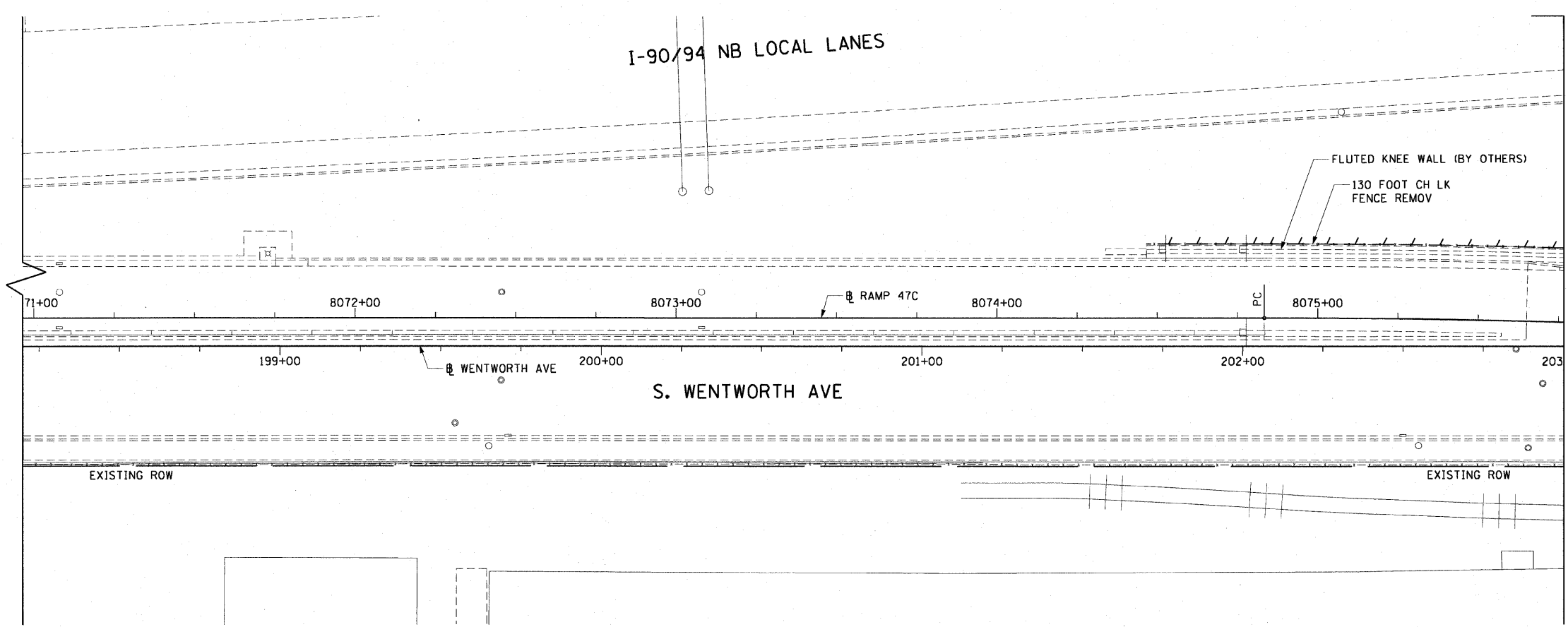
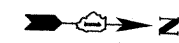
EXISTING AND PROPOSED ROADWAY PLANS
WENTWORTH AVENUE

SCALE: 1"=20'
DATE: JANUARY 14, 2009
DRAWN BY: NJH
CHECKED BY: RMG

V:\schj\p207\p40468\p40468\civil\28-knee-wall_fence\dwg\60a03.dwg 1/13/2009 12:34:15 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	15
STA. 201+70.50		TO STA. 203+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

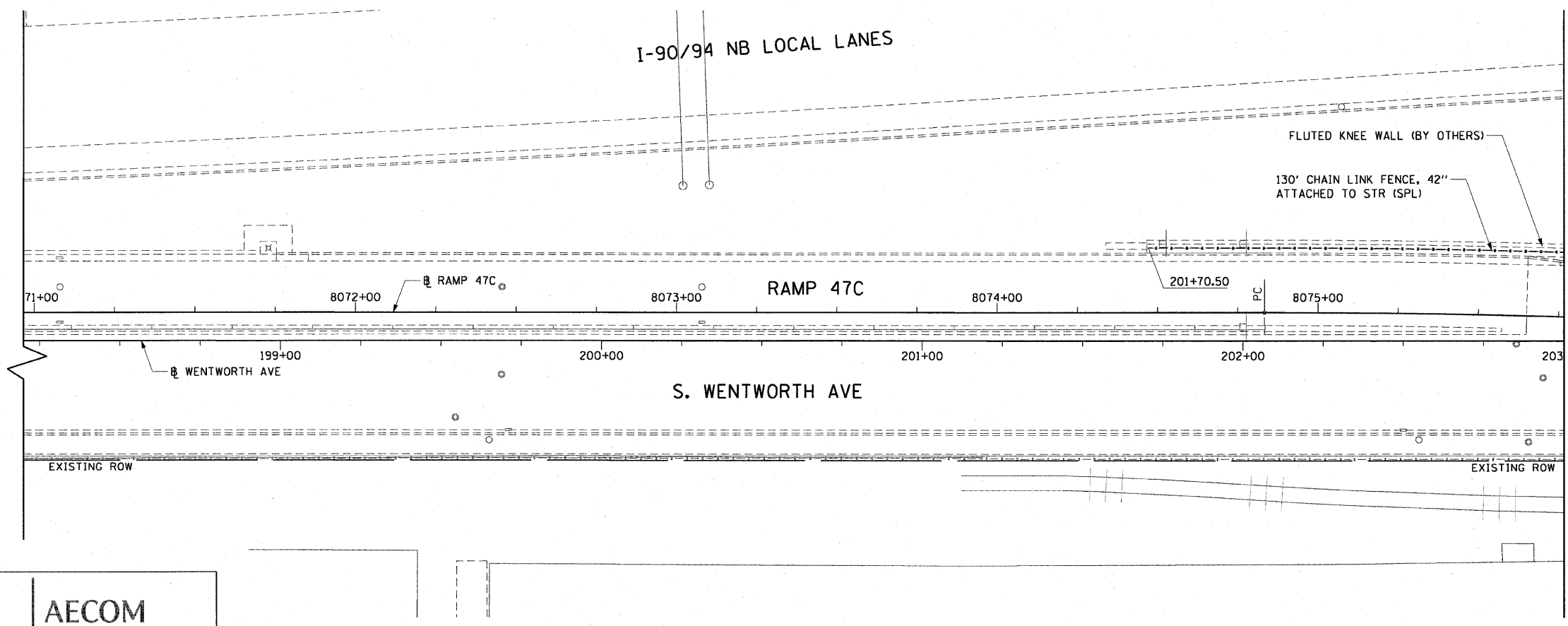
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LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62986.

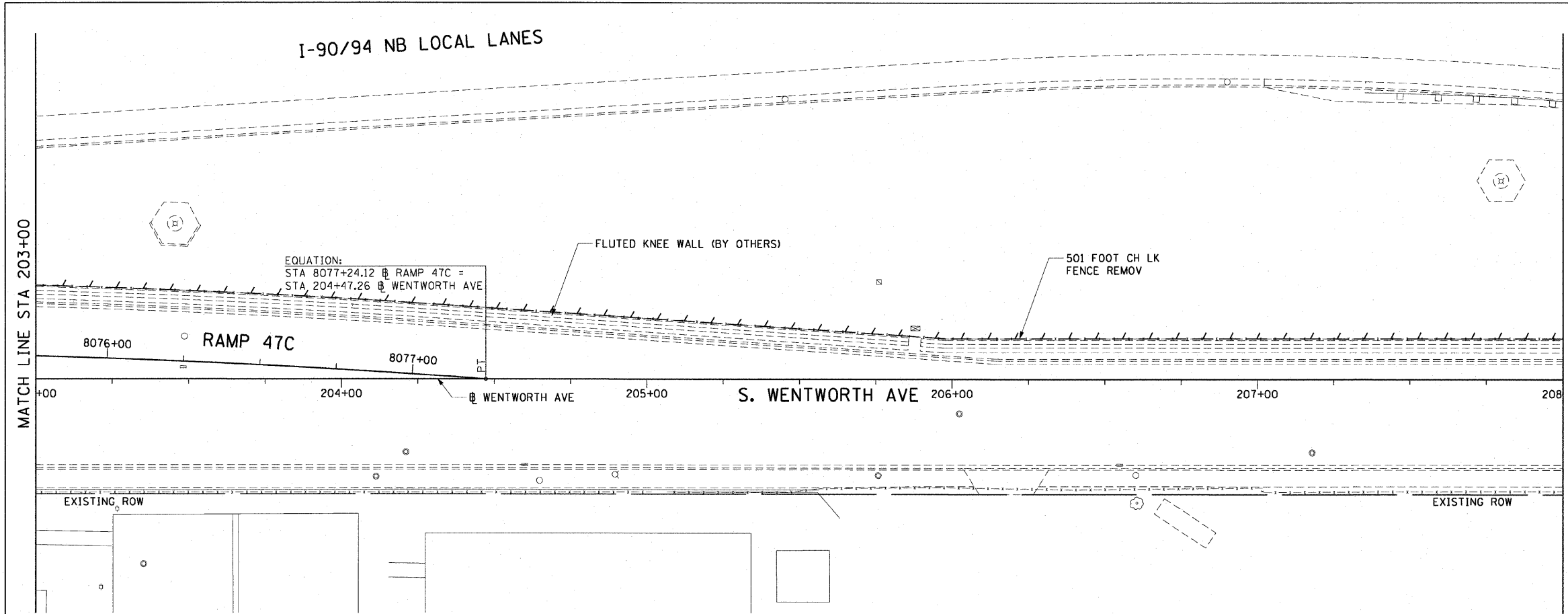
AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WENTWORTH AVENUE
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

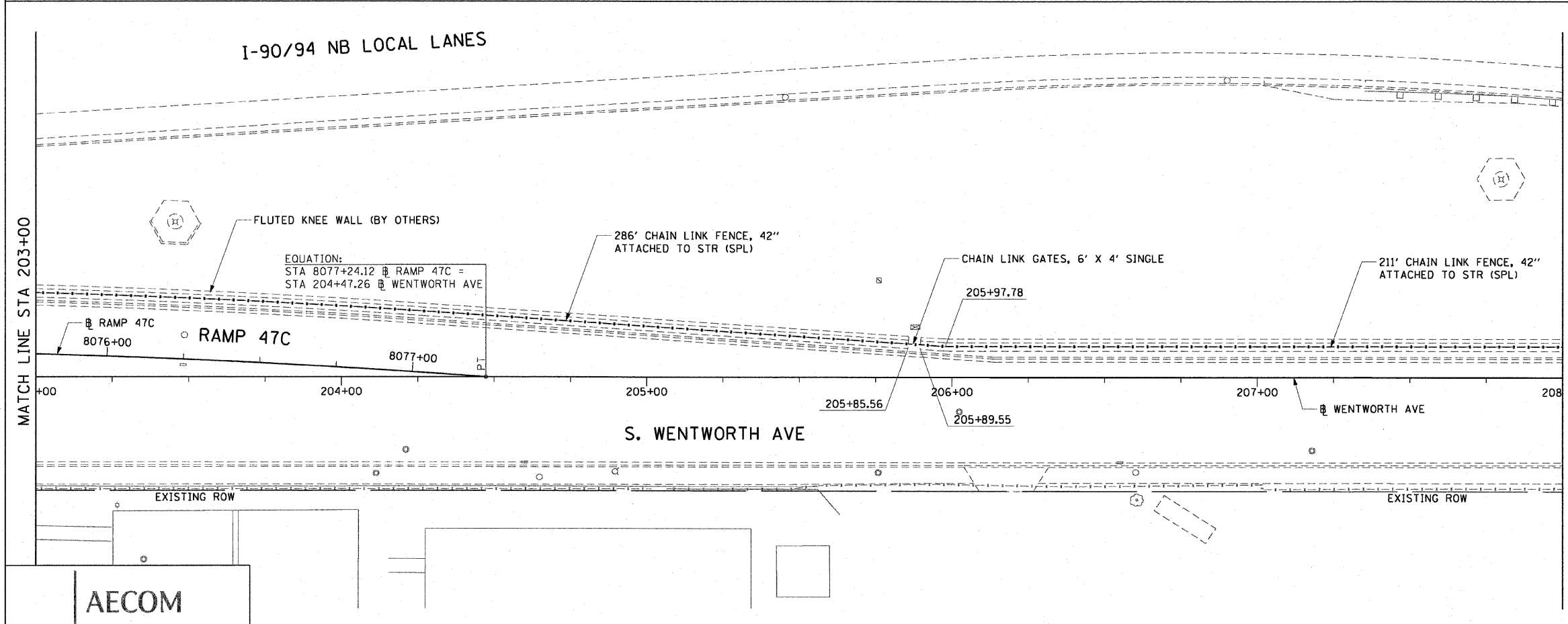
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	16
STA. 203+00		TO STA. 208+00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A03				



LEGEND:
 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL POINT CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62986.

REVISIONS	
NAME	DATE

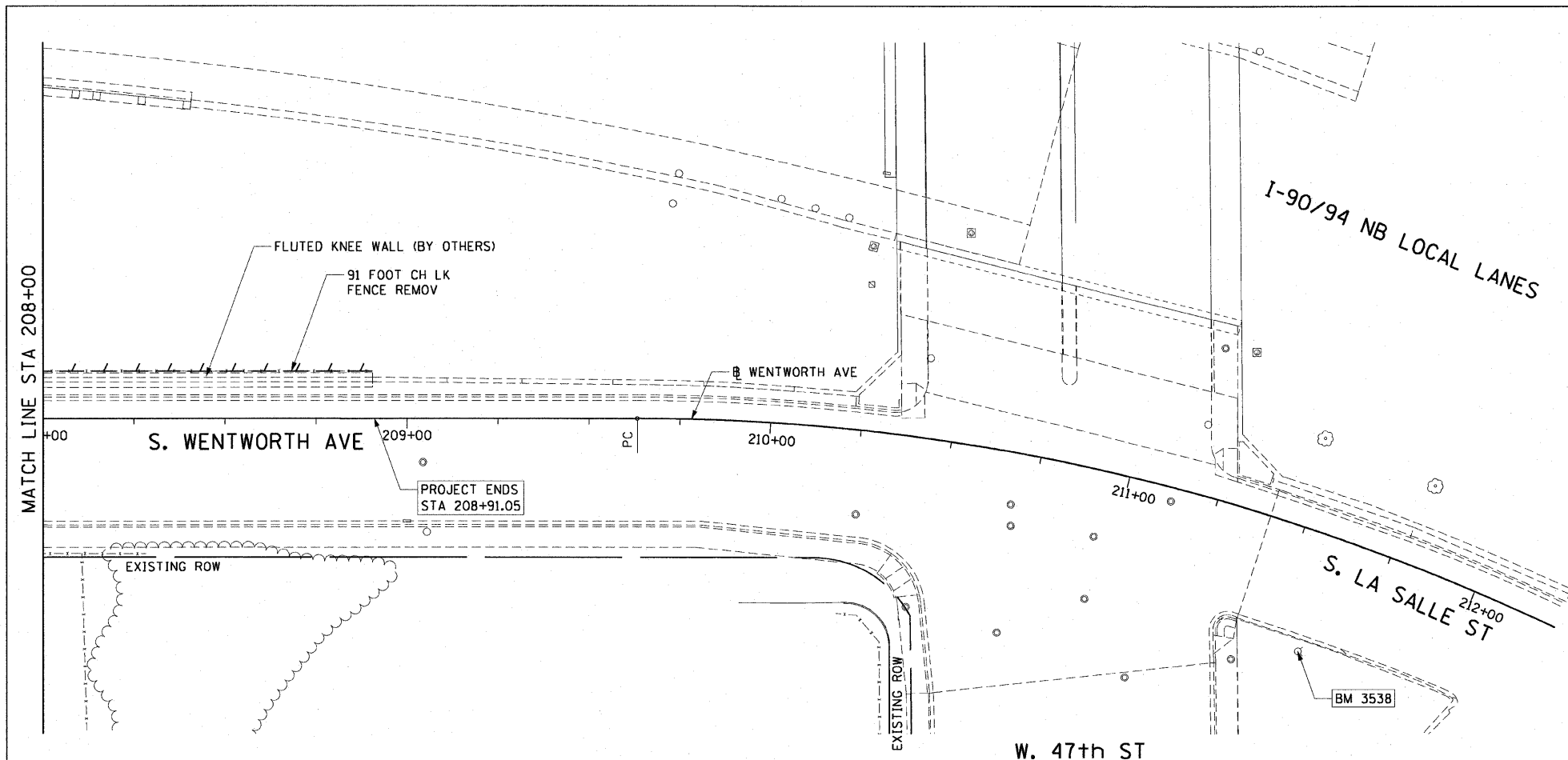
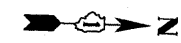
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WENTWORTH AVENUE
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	17
STA. 208+00		TO STA. 208+91.05		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

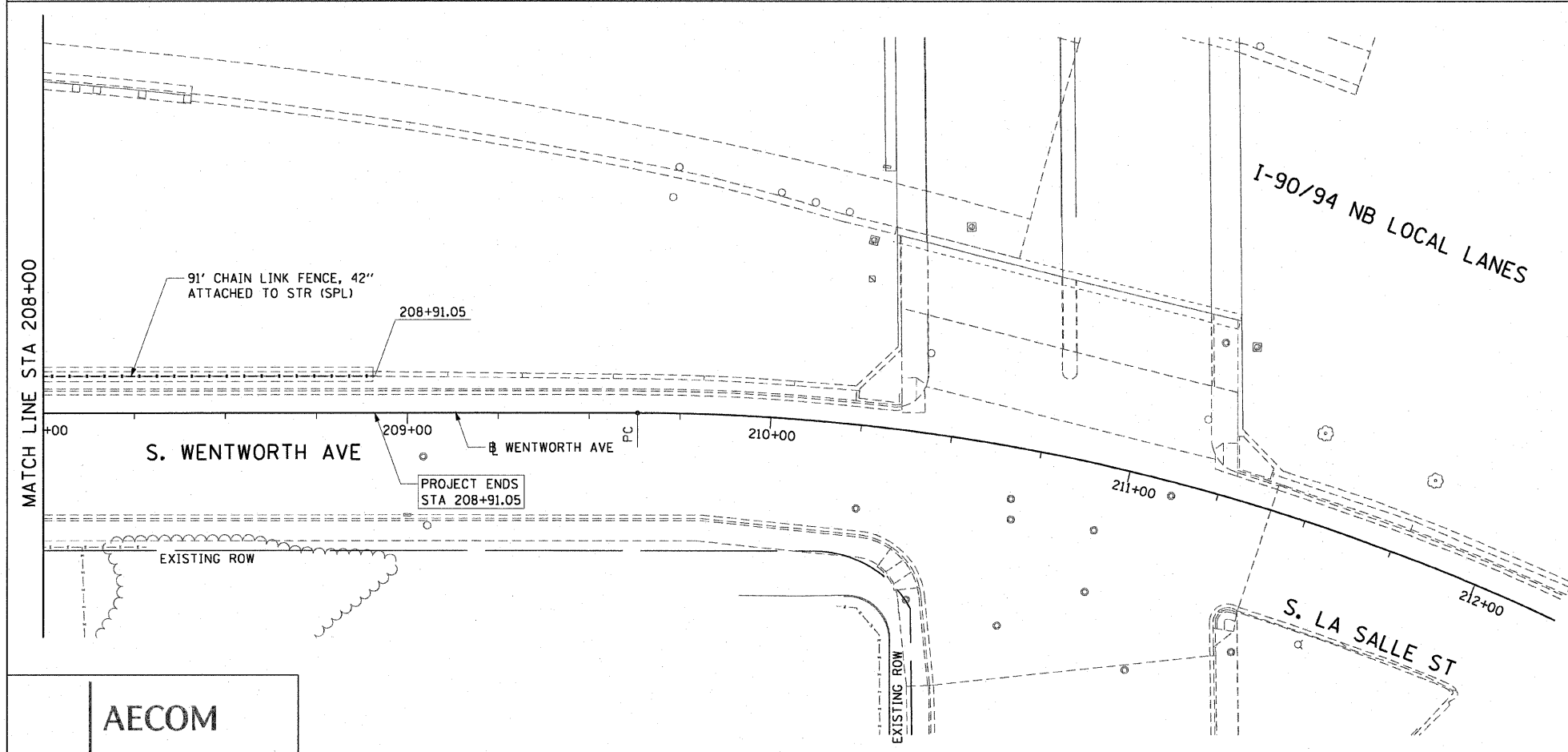
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LEGEND:

--- LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
PROPOSED IMPROVEMENTS



NOTES:

1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62986.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

EXISTING AND PROPOSED ROADWAY PLANS
WENTWORTH AVENUE

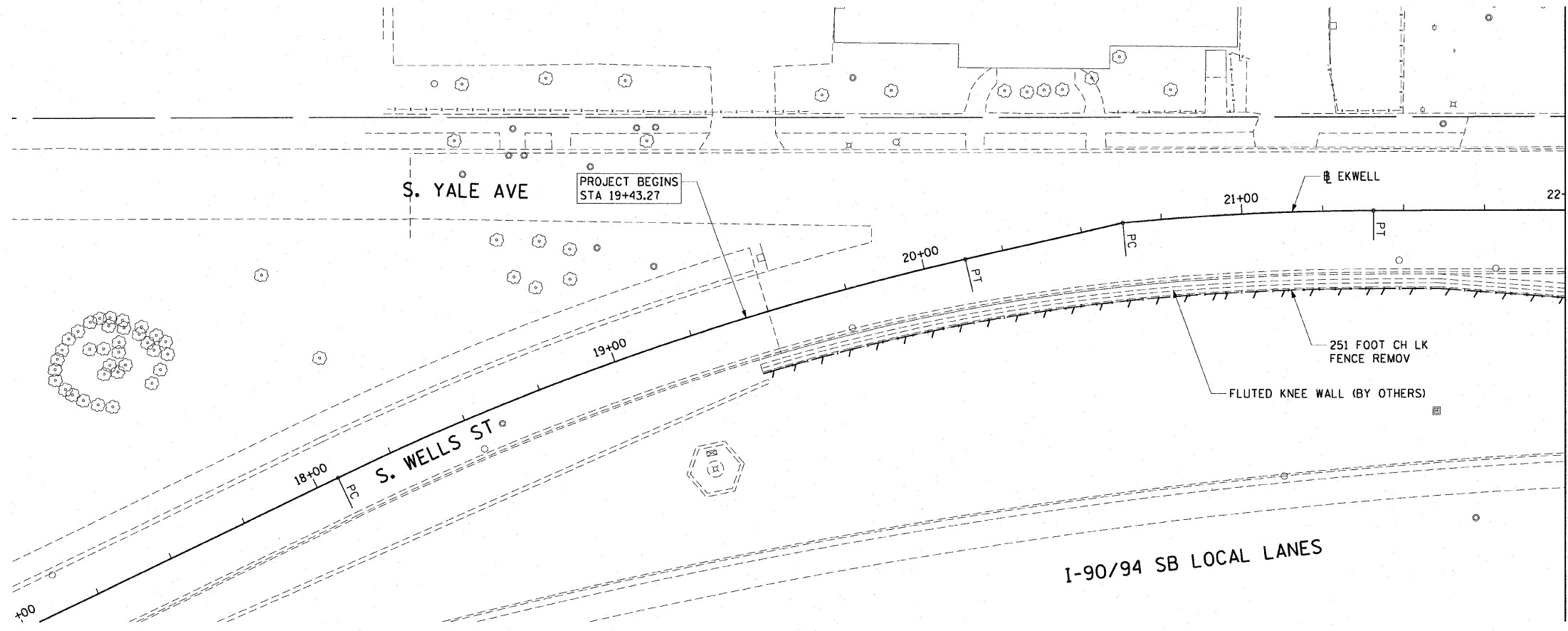
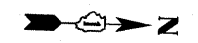
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DATE: JANUARY 14, 2009
DRAWN BY: NJH
CHECKED BY: RMG

AECOM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	18
STA. 19+43.27		TO STA. 22+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

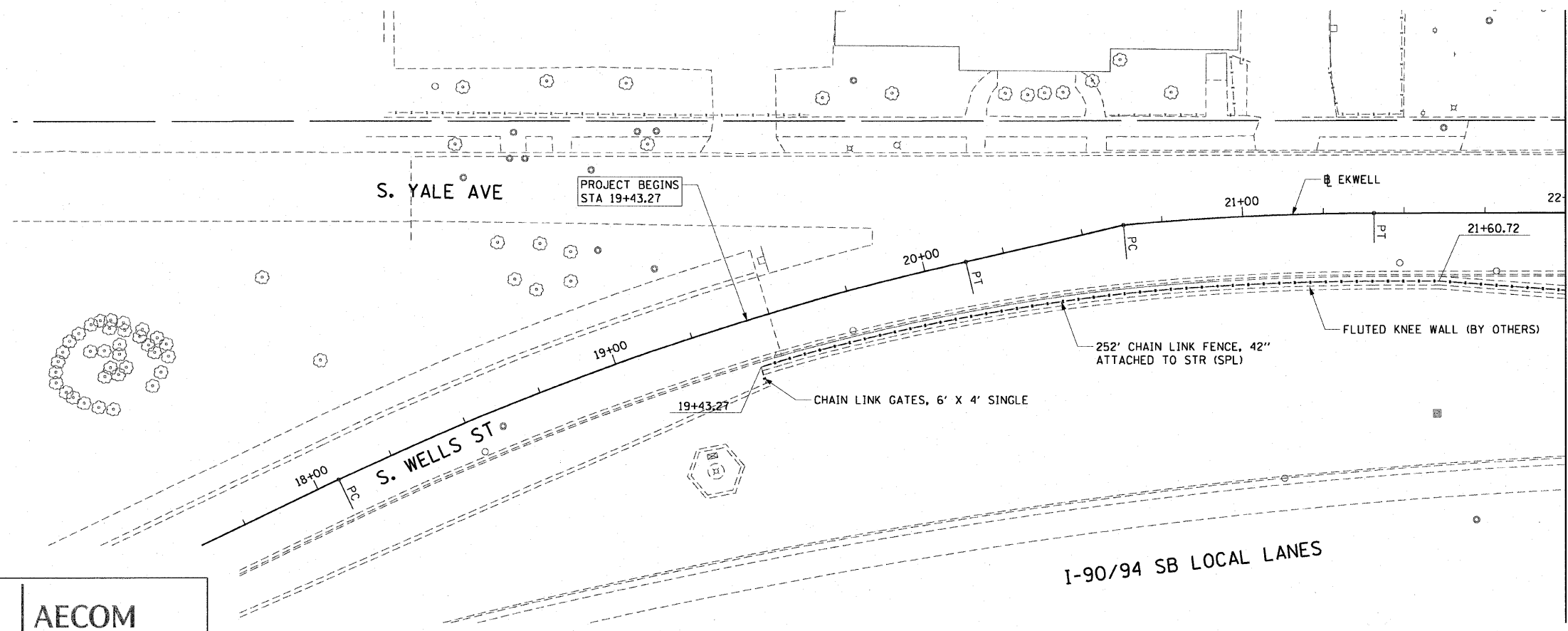
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LEGEND:
 LINEAR REMOVALS

MATCH LINE STA 22+00

EXISTING CONDITIONS AND REMOVAL



PROPOSED IMPROVEMENTS

- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE AND GATE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62985.

MATCH LINE STA 22+00

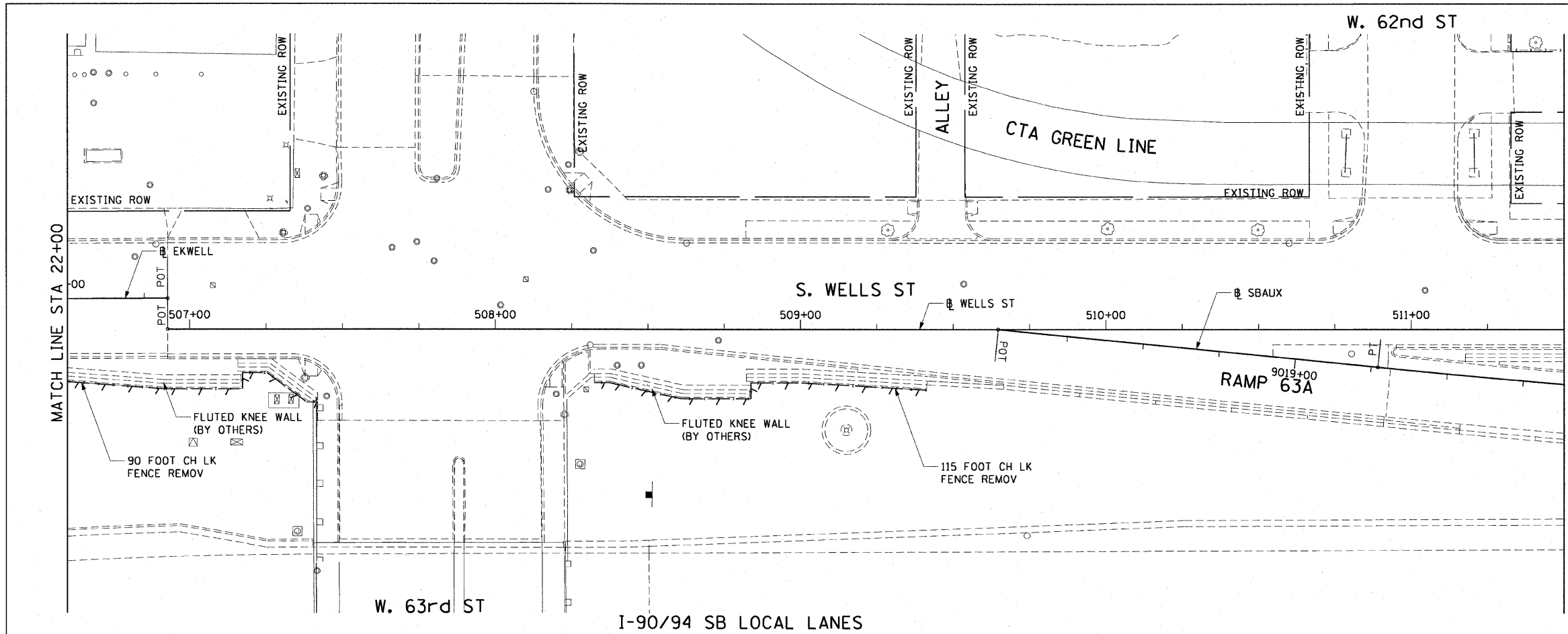
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

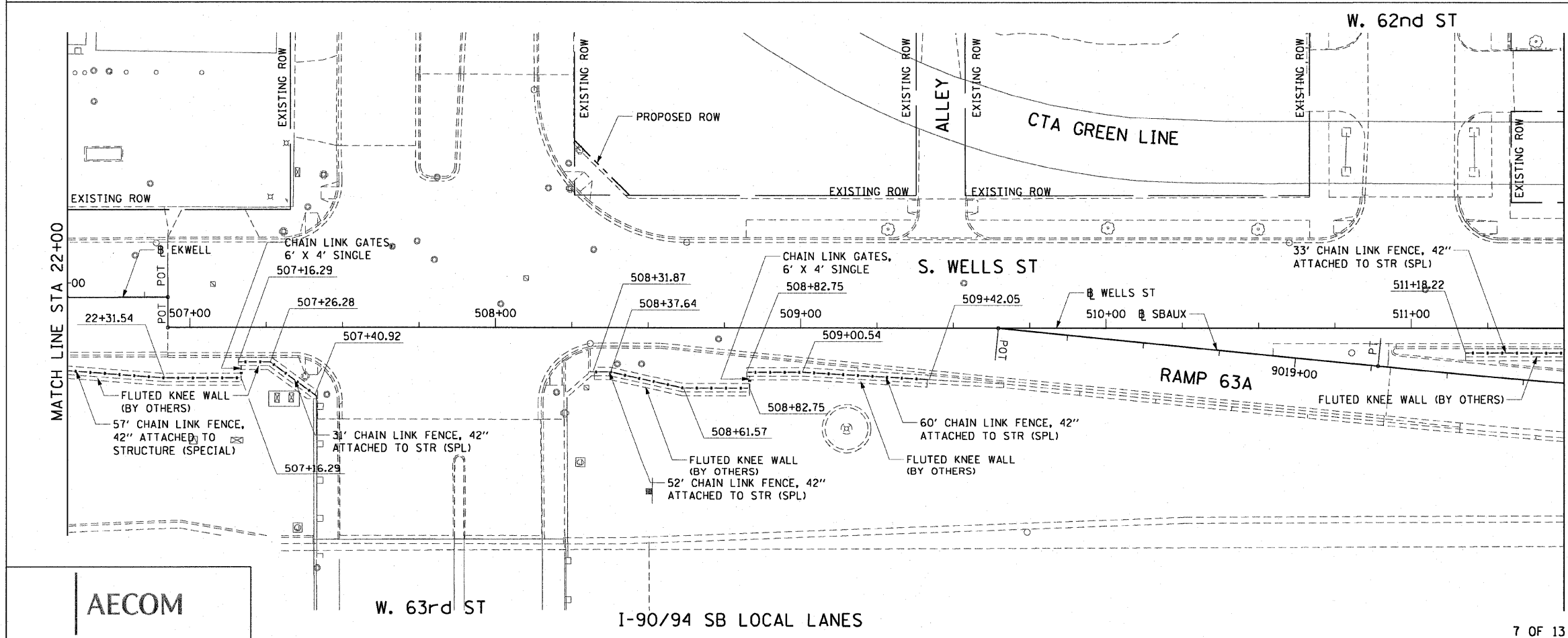
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	19
STA. 22+00		TO STA. 511+50		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A03				



LEGEND:
 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE AND GATE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62985.

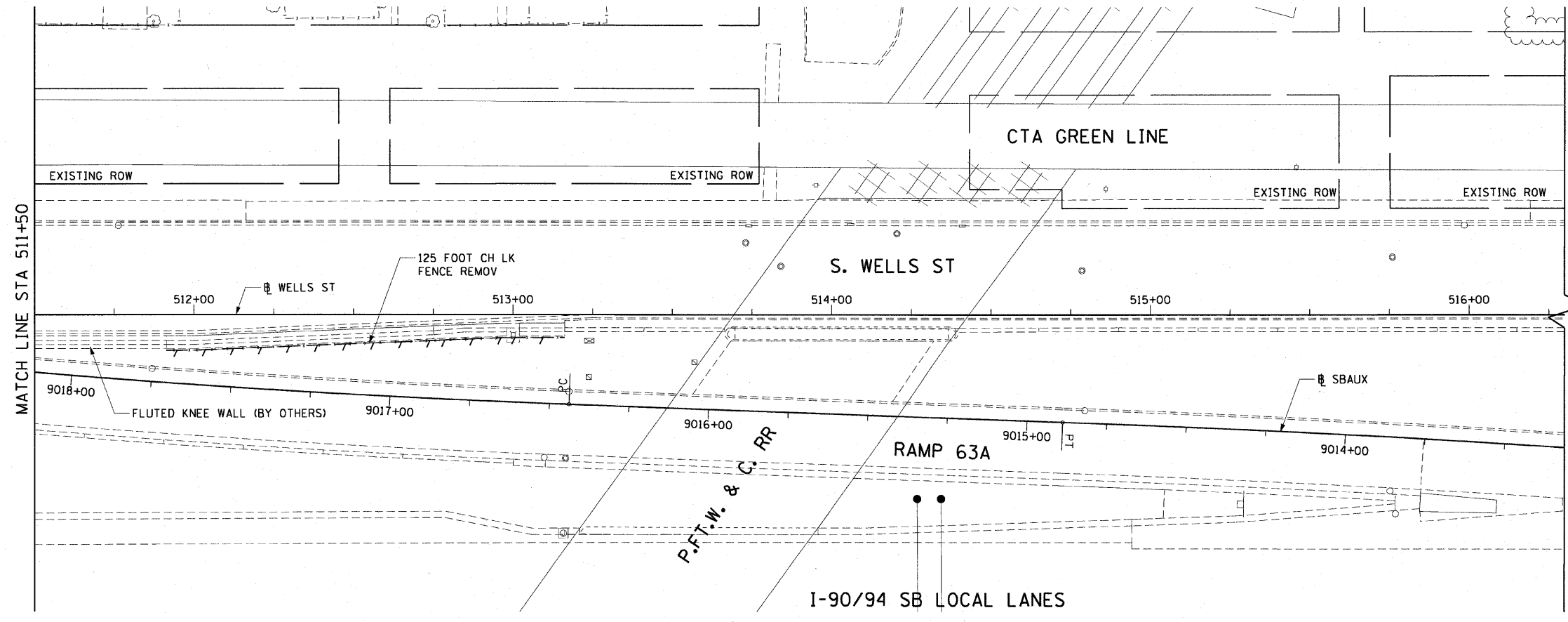
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

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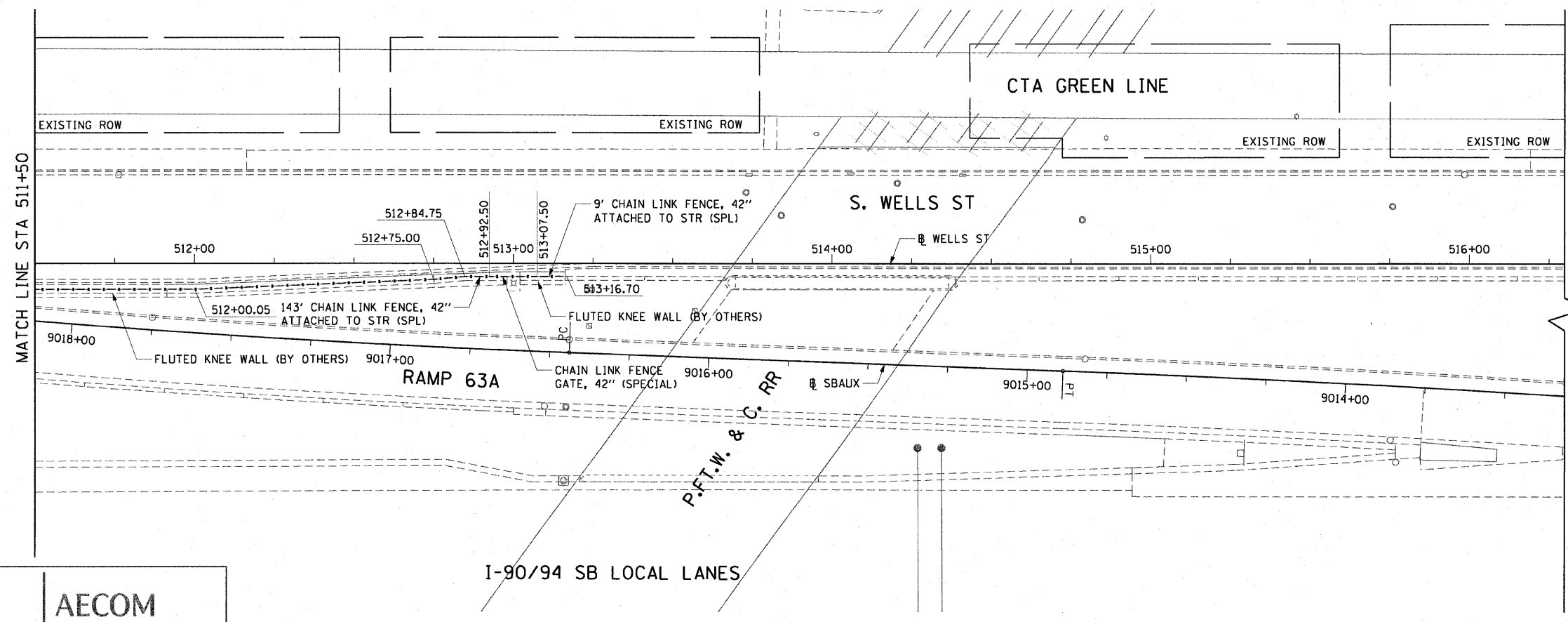
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	20
STA. 511+50		TO STA. 513+16.70		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
- SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE AND GATE DETAILS.
 - ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 - FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62985.

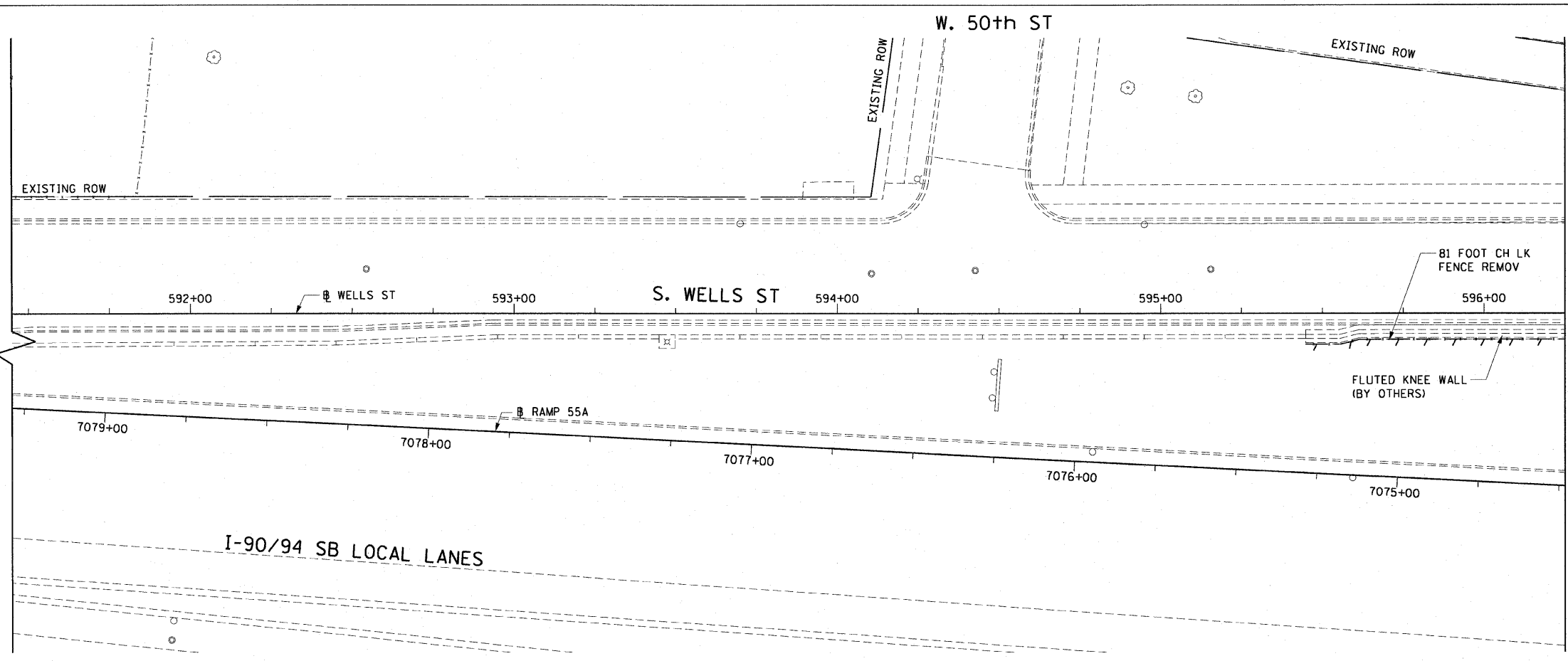
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

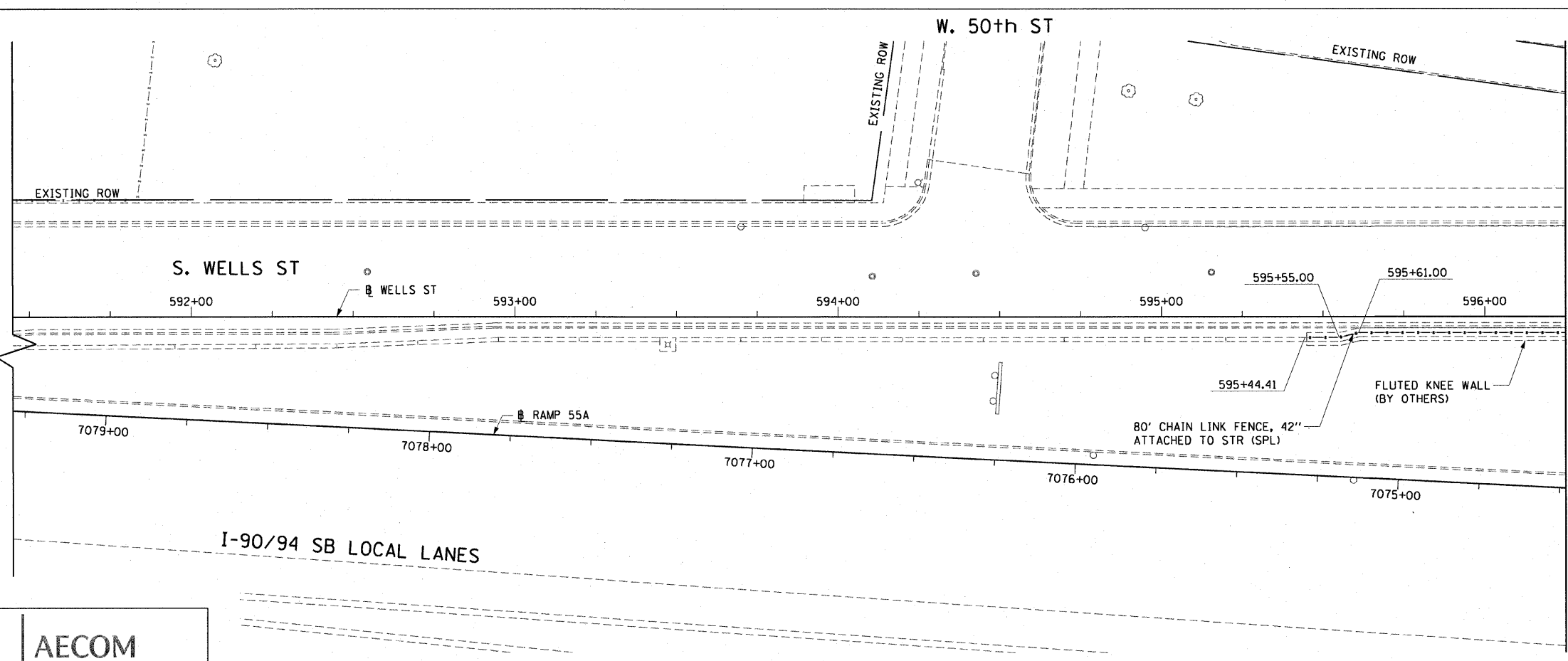
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	21
STA. 595+44.41		TO STA. 596+25		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



LEGEND:
 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62987.

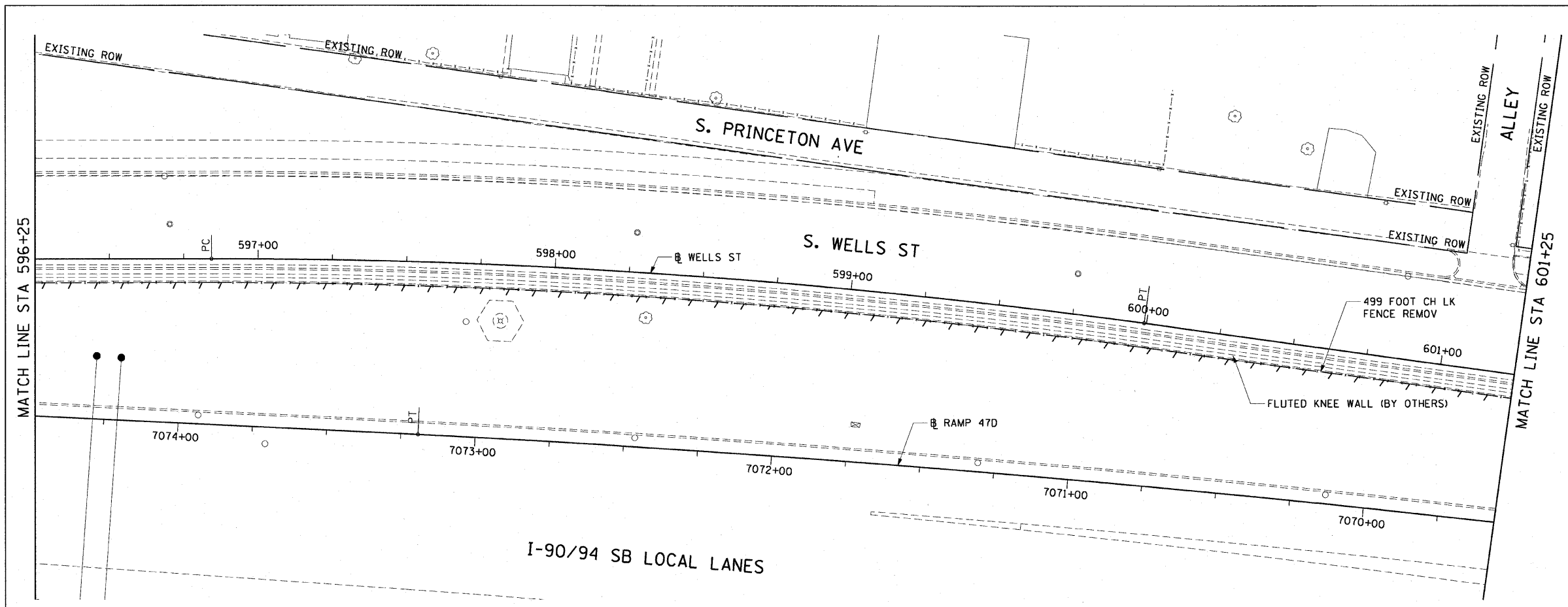
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

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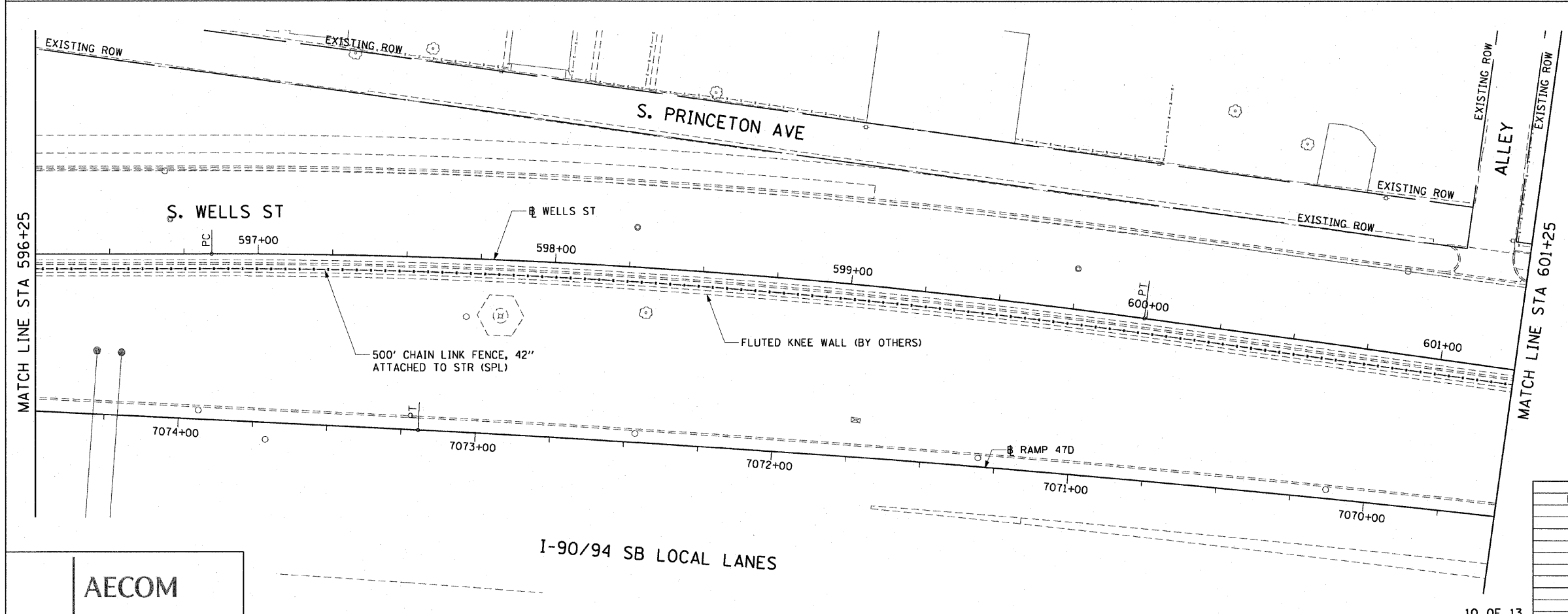
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90/94	2005-032 I	COOK	37	22
STA. 596+25		TO STA. 601+25		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				



LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62987.

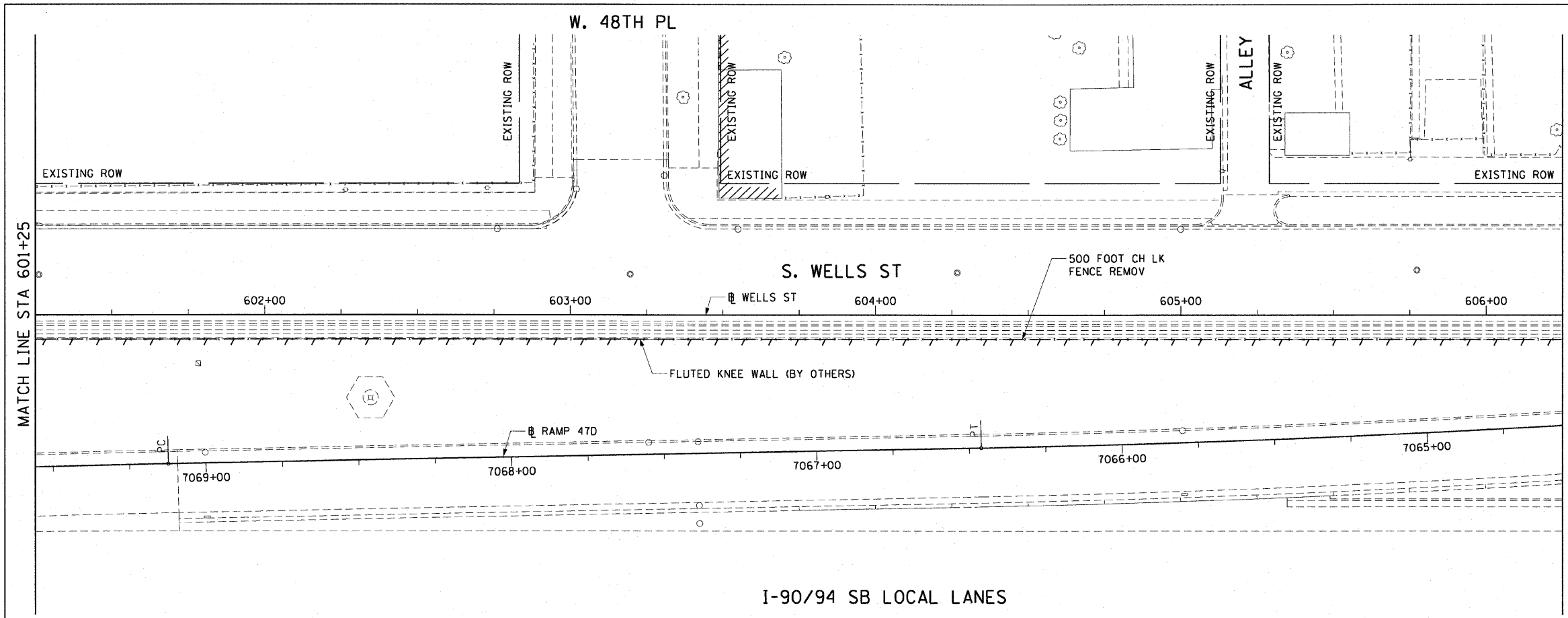
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

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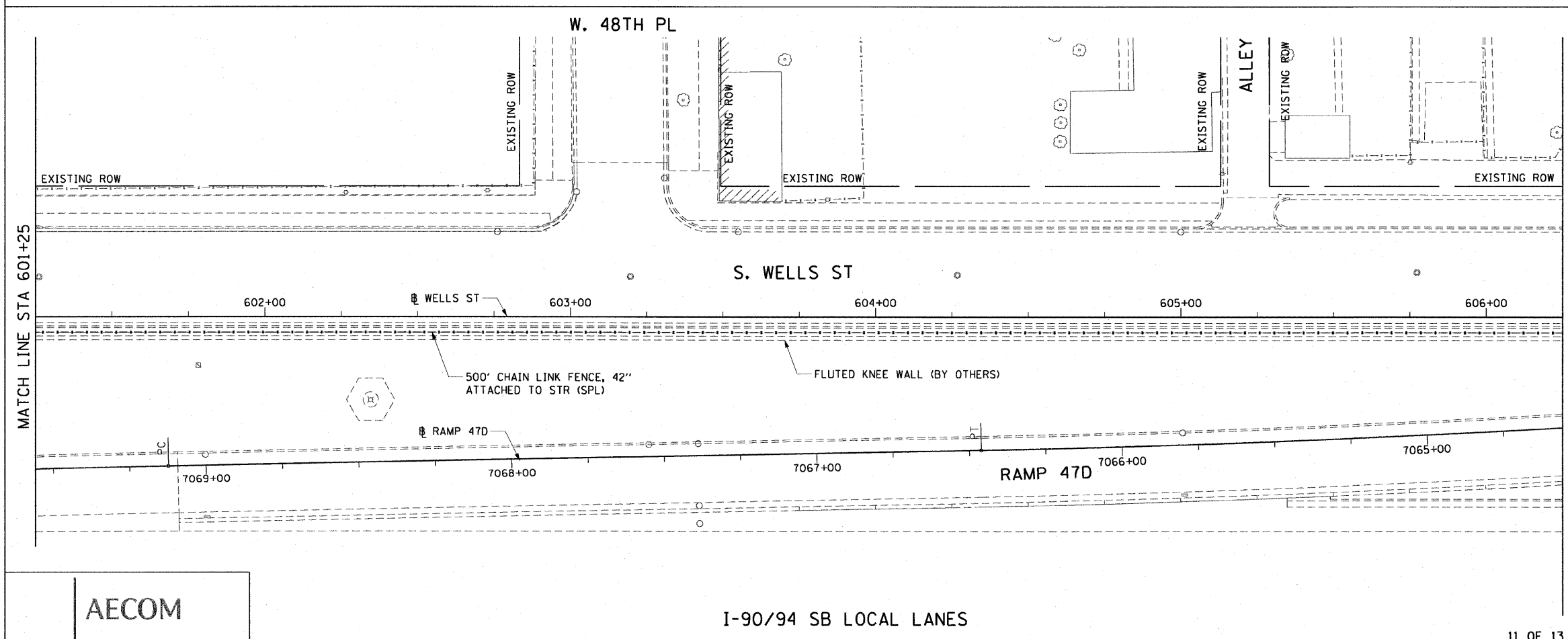
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	23
STA. 601+25		TO STA. 606+25		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
60A03				



LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62987.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

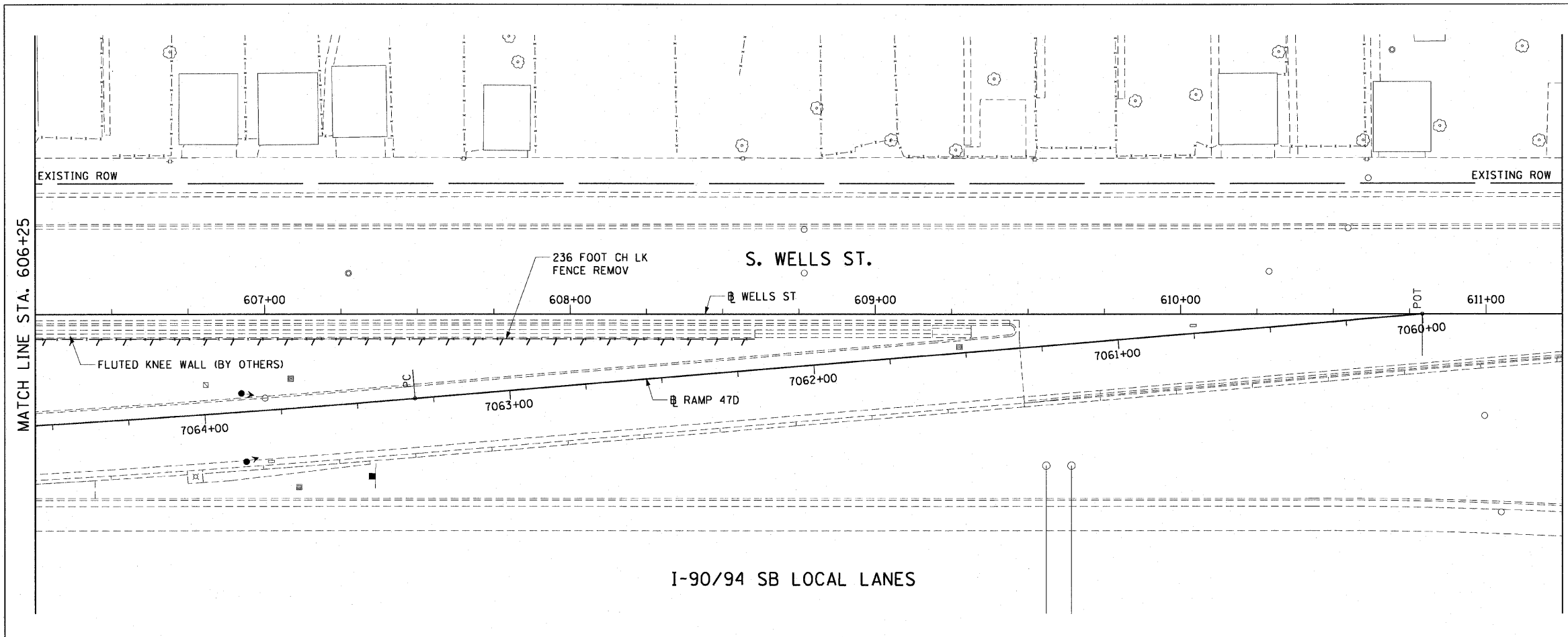
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I-90/94 SB LOCAL LANES

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 606+25		TO STA. 611+25		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

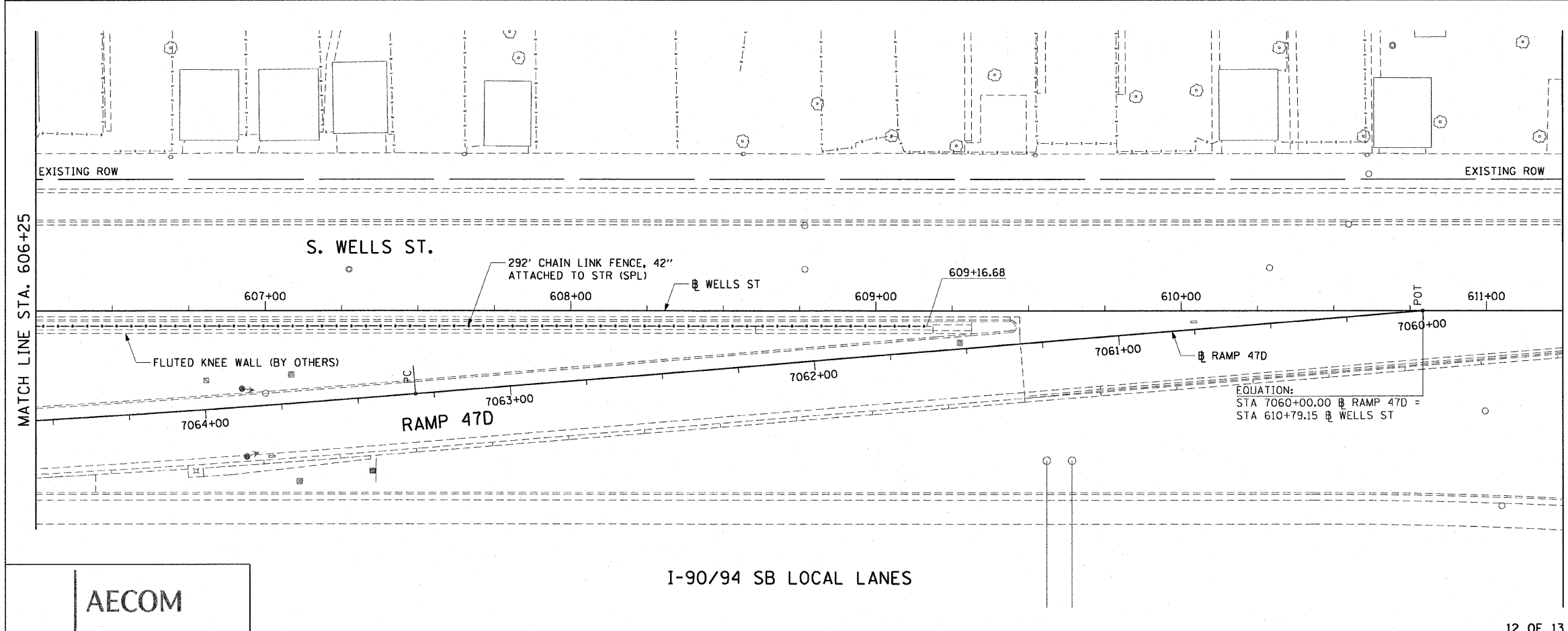
60A03



LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62987.
 4. COORDINATE WITH CONTRACT 62987 FOR LOCATION OF FLASHING BEACON POST.

REVISIONS	
NAME	DATE

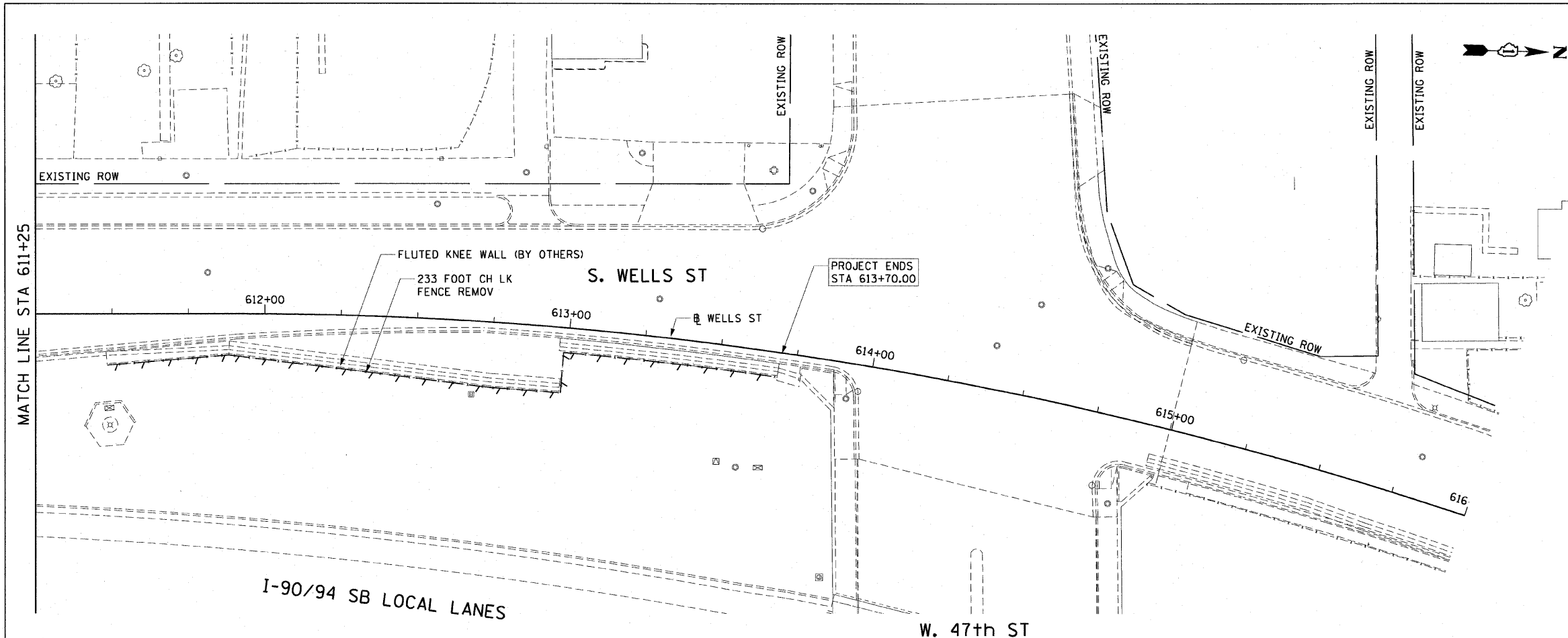
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
 DATE: JANUARY 14, 2009
 DRAWN BY: NJH
 CHECKED BY: RMG

AECOM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

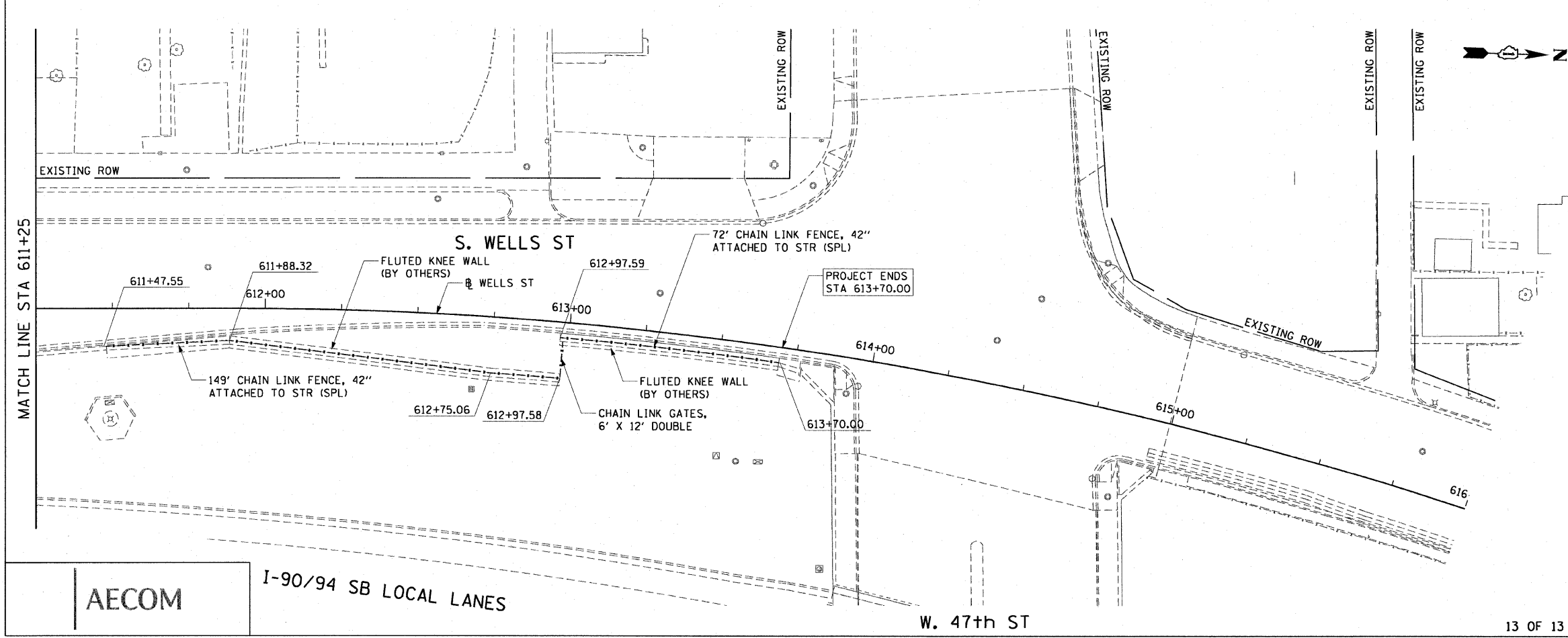
60A03



LEGEND:

 LINEAR REMOVALS

EXISTING CONDITIONS AND REMOVAL
 PROPOSED IMPROVEMENTS



- NOTES:
1. SEE STRUCTURAL DETAILS FOR CHAIN LINK FENCE AND GATE DETAILS.
 2. ALL STATION CALLOUTS ARE TAKEN AT THE CENTERLINE OF THE CHAIN LINK FENCE.
 3. FLUTED KNEE WALL CONSTRUCTED IN CONTRACT 62987.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
 EXISTING AND PROPOSED ROADWAY PLANS
 WELLS STREET
 SCALE: 1"=20'
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 DRAWN BY: NJH
 CHECKED BY: RMG

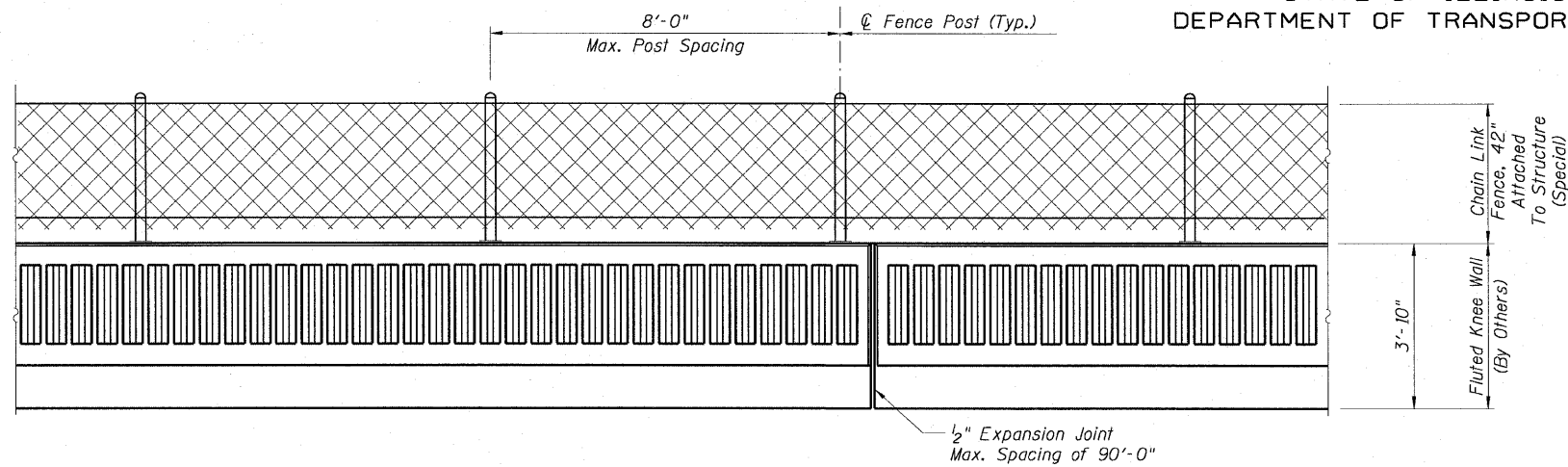
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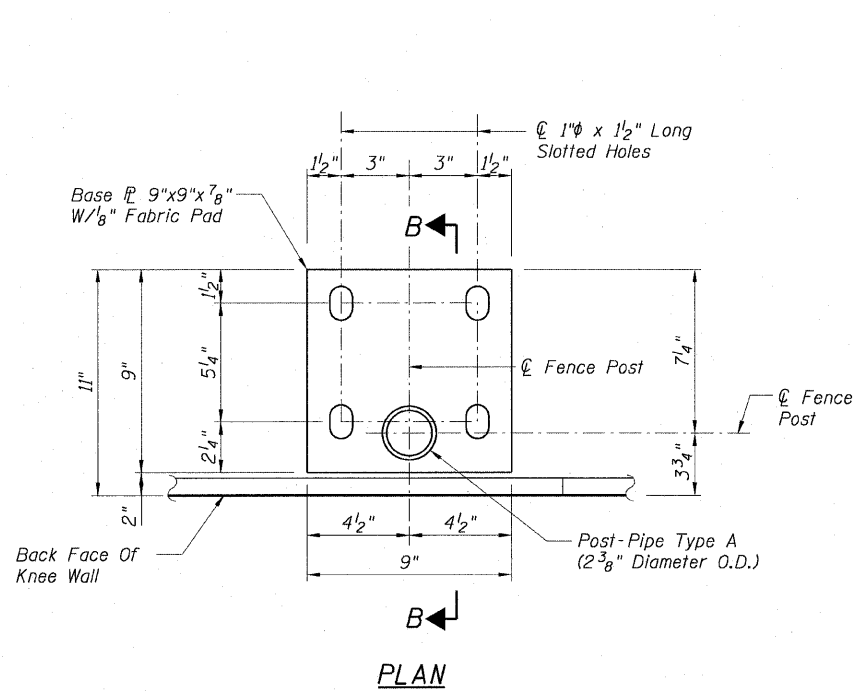
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

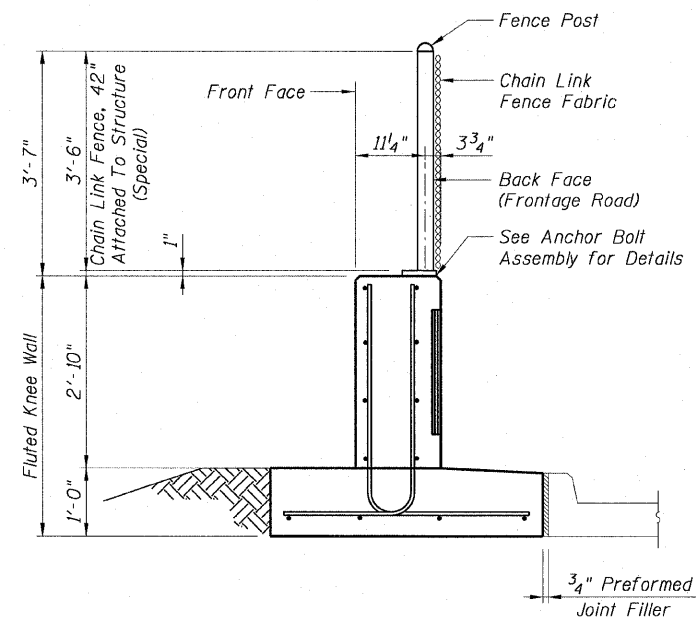
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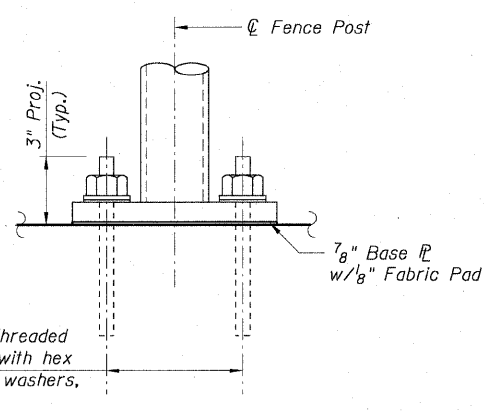
BACK FACE ELEVATION - FLUTED KNEE WALL AND CHAIN LINK FENCE



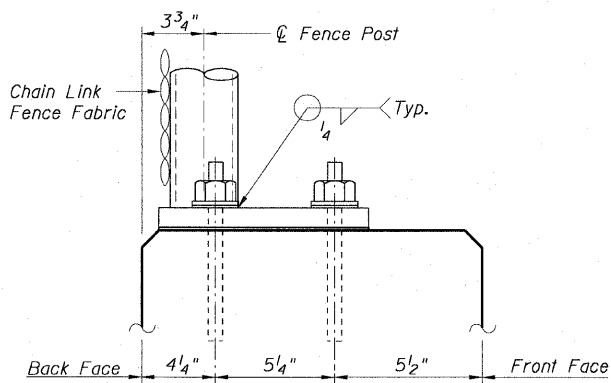
PLAN



TYPICAL SECTION
FLUTED KNEE WALL & CHAIN LINK FENCE

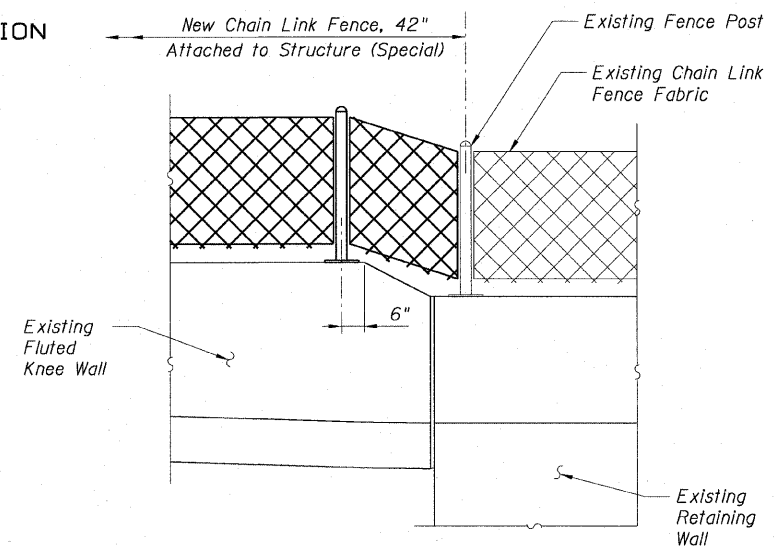


ELEVATION



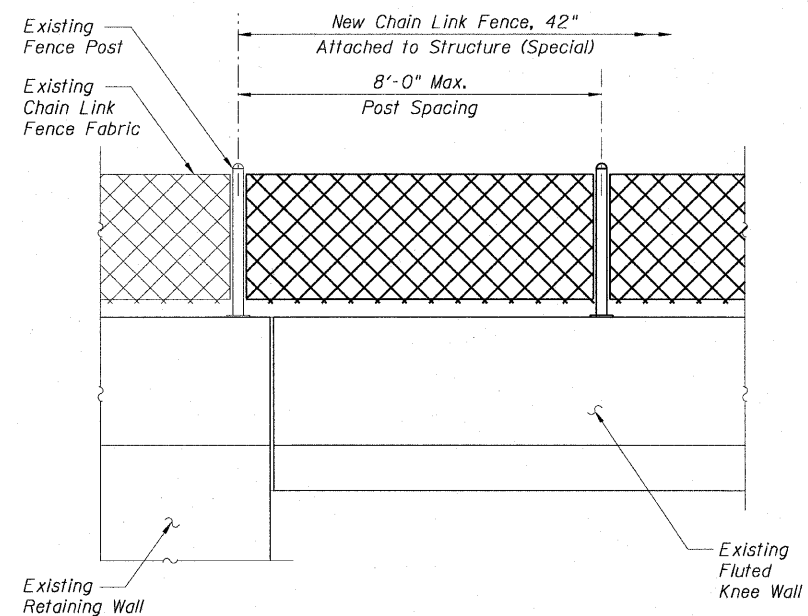
SECTION B-B

ANCHOR ROD ASSEMBLY DETAILS



CHAIN LINK FENCE, 42"
ATTACHED TO STRUCTURE (SPECIAL) DETAIL

Sta. 513+16.20



CHAIN LINK FENCE, 42"
ATTACHED TO STRUCTURE (SPECIAL) DETAIL

Wentworth Ave. Stations	Wells St. Stations
105+09.28	508+30.95
107+29.52	509+41.70
111+25.00	595+44.91
208+90.55	611+48.05
	613+69.50

NOTES:

1. Fluted knee wall will not be paid for in this Contract, but shall be furnished and installed in Contracts 62985, 62986 and 62987.
2. Threaded rods, nuts and washers shall conform to AASHTO M164.
3. Posts shall not be located closer than 6" to an expansion joint or the end of the fluted parapet.
4. The Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge type anchor rods shall be a two-part system composed of:

- A) A threaded rod stud with nut and washer of the type specified.
 - B) A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.
5. Nuts for the 5/8" threaded anchor rods connecting the base plate to the concrete to be tightened to a snug fit and given an additional 1/8 turn.
 6. The cost of furnishing, drilling and installing epoxy grout and threaded anchor rods including hex nuts and lock washers is included in the cost per foot for "Chain Link Fence, 42" Attached to Structure (Special)".

LEGEND:

	Chain Link Fabric
	Rustication Finish
	Earth

AECOM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

CHAIN LINK FENCE STANDARD DETAILS

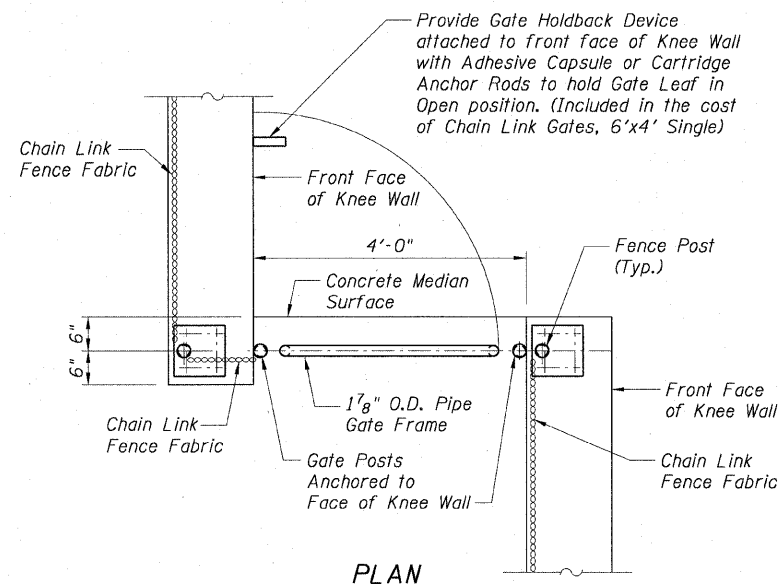
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DATE: JANUARY 14, 2009
DRAWN BY: RSB
CHECKED BY: RS

Sheet F1 of 7

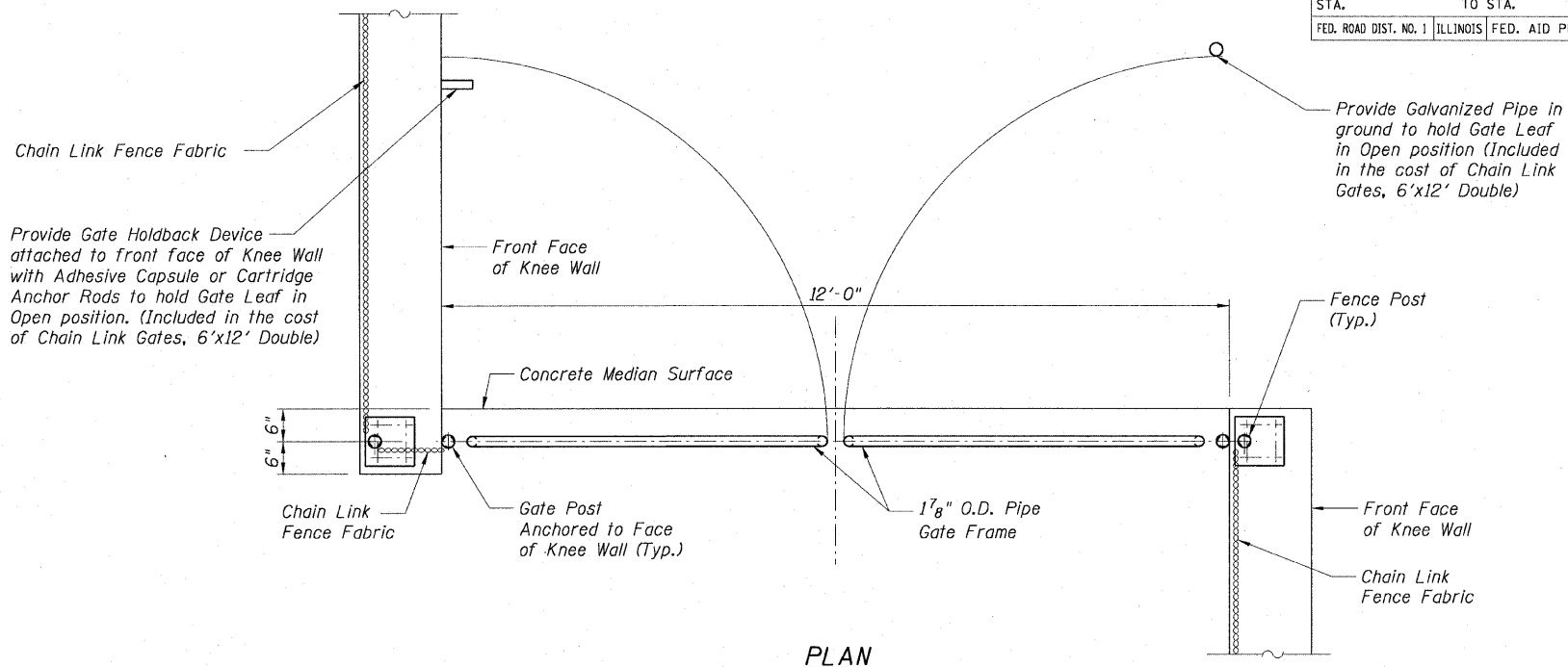
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

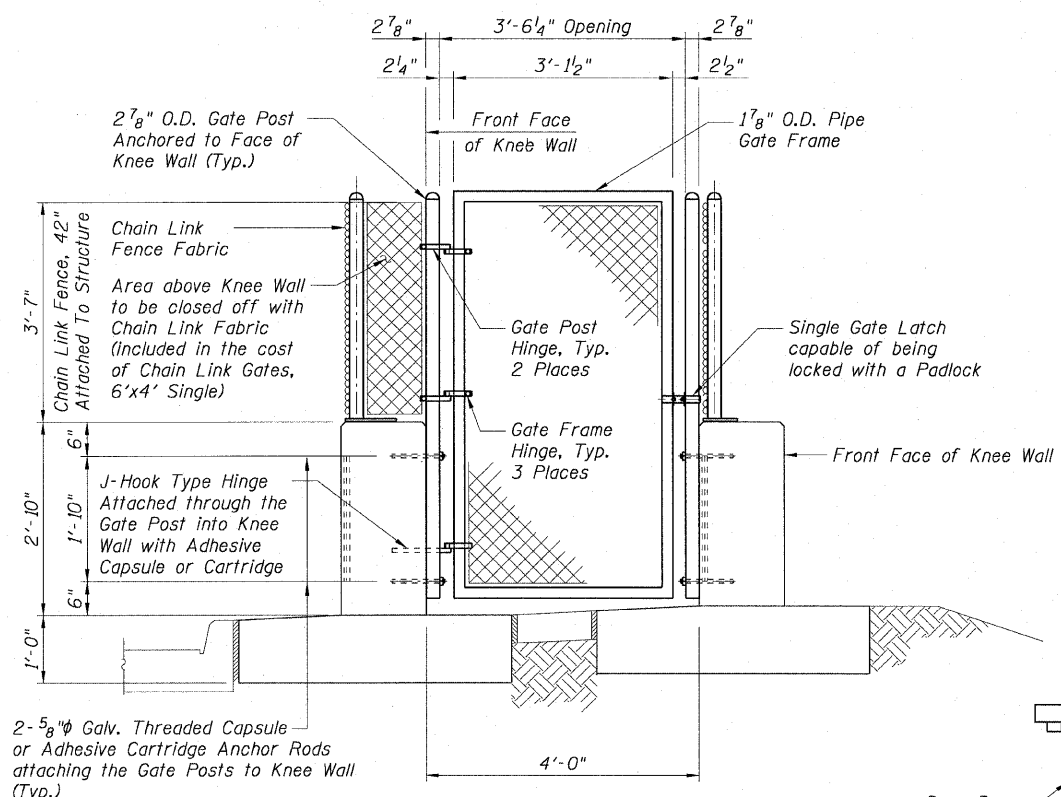
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	27
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	60A03	



PLAN



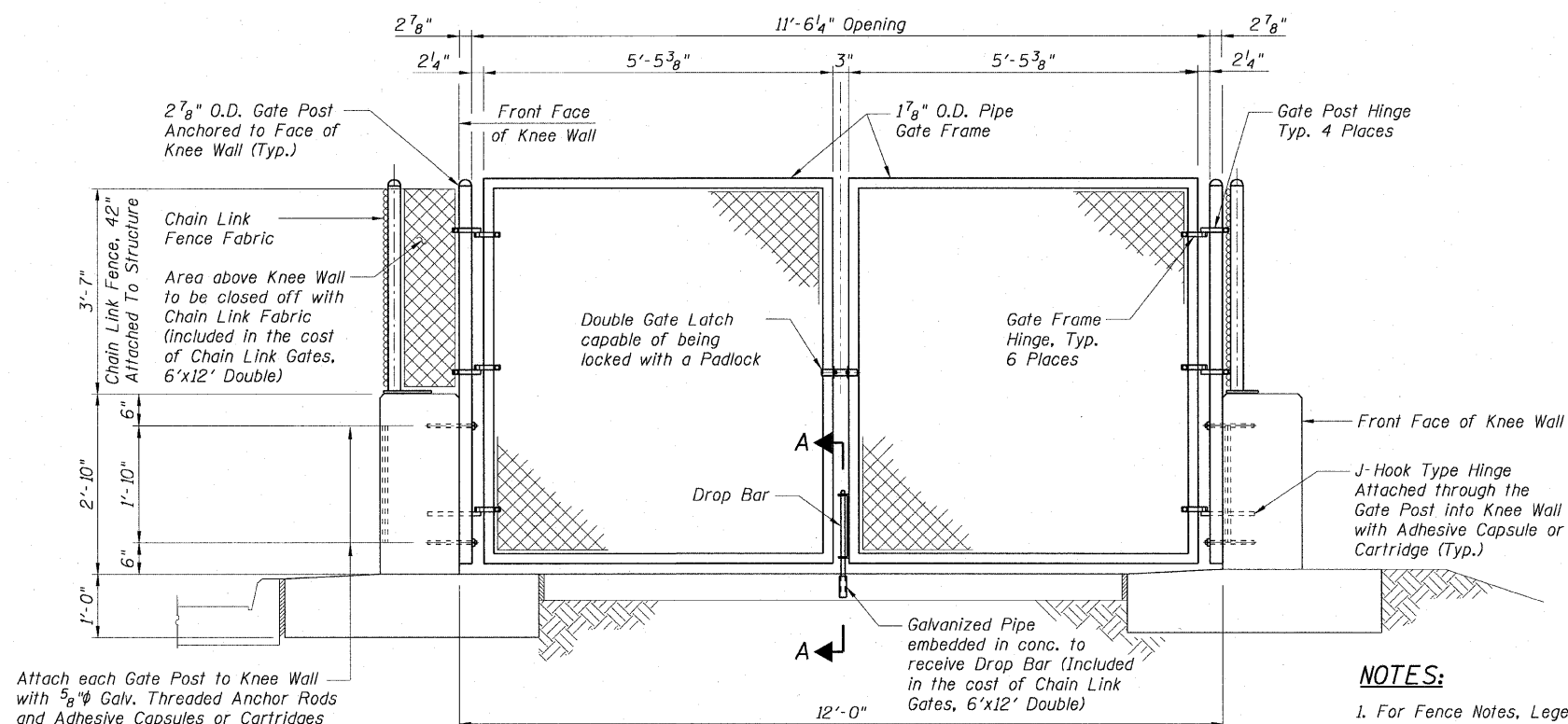
PLAN



TYPICAL ELEVATION

CHAIN LINK GATES, 6'x4' SINGLE DETAILS

Note: Gate detail at Station 19+43.27 (Wells St.) will be similar. Latch side of gate will be attached to an existing retaining wall.



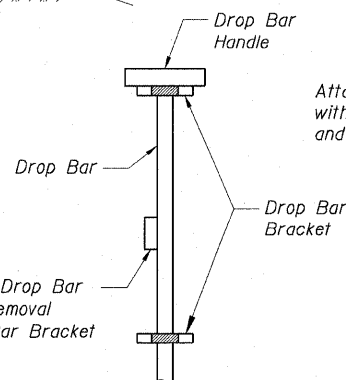
TYPICAL ELEVATION

CHAIN LINK GATES, 6'x12' DOUBLE DETAILS

NOTES:

- For Fence Notes, Legend and Details see Sheet F1.
- For location of Gates see Proposed Roadway Plans.

Sheet F2 of 7



SECTION A-A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

PLAN, ELEVATION AND DETAILS
CHAIN LINK GATES, 6'x4' SINGLE AND
CHAIN LINK GATES, 6'x12' DOUBLE

SCALE: None DRAWN BY: DAS/CHD
DATE: JANUARY 14, 2009 CHECKED BY: MJP

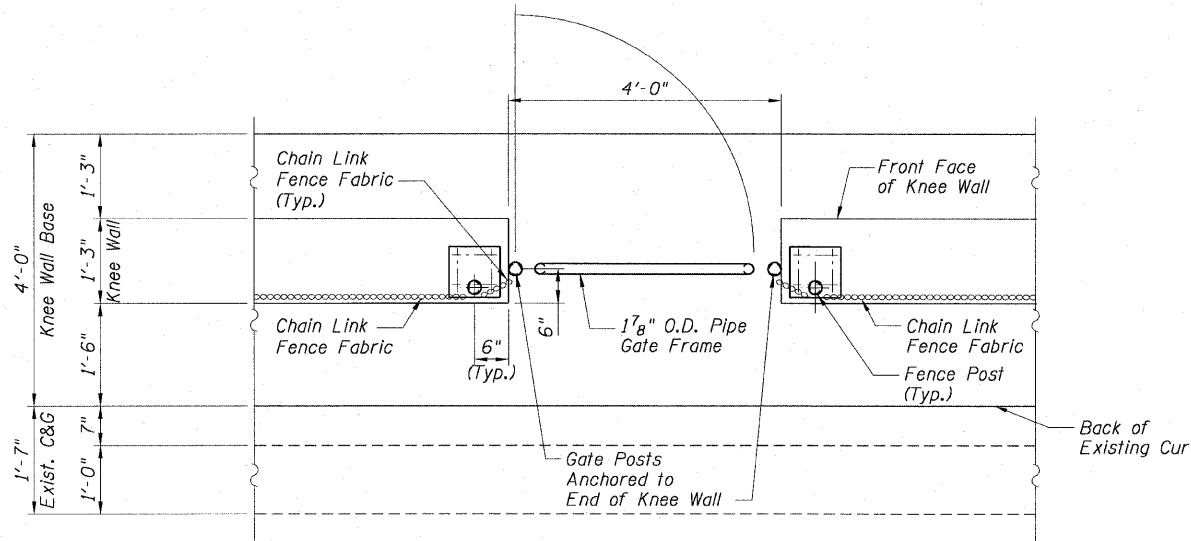
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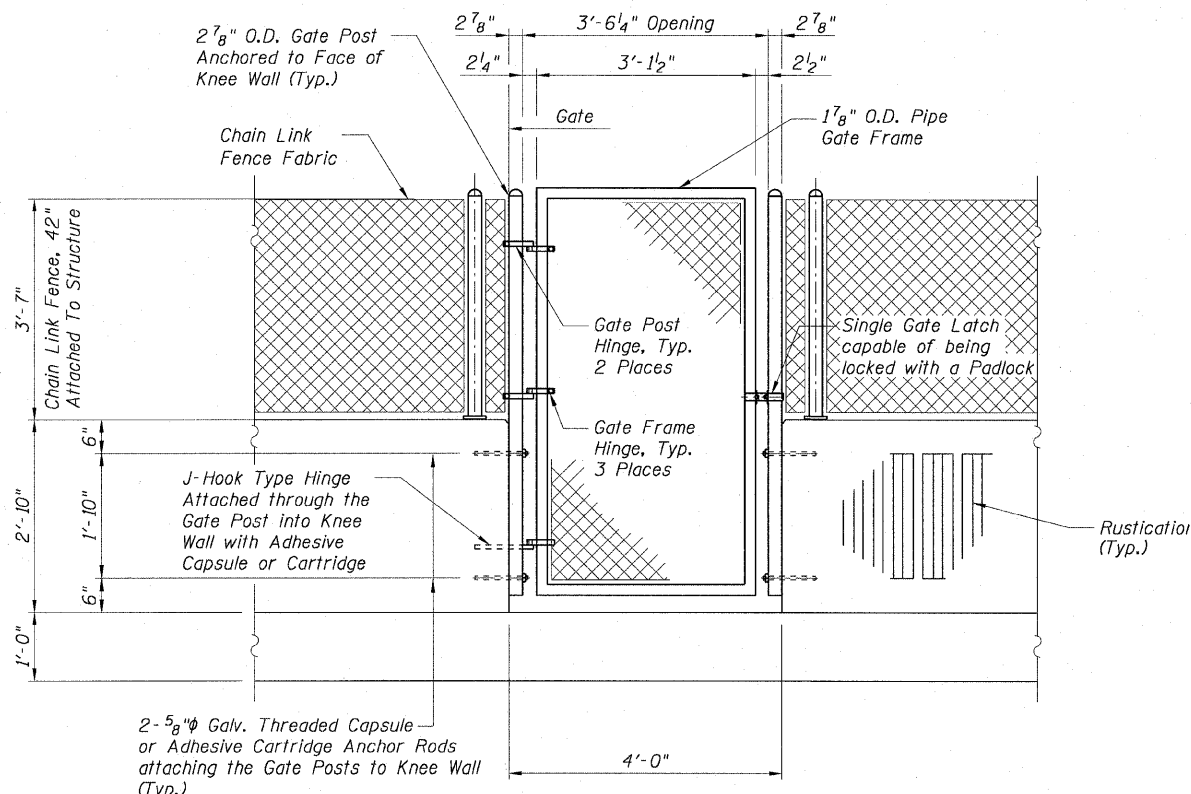
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	28
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A03



PLAN



OPENING IN KNEE WALL ELEVATION
CHAIN LINK GATE, 6'x4' SINGLE - DETAILS

- NOTES:**
1. For Fence Notes, Legend and Details see Sheet F1.
 2. For location of Gates see Proposed Roadway Plans.

Sheet F3 of 7

AECOM

REVISIONS	
NAME	DATE

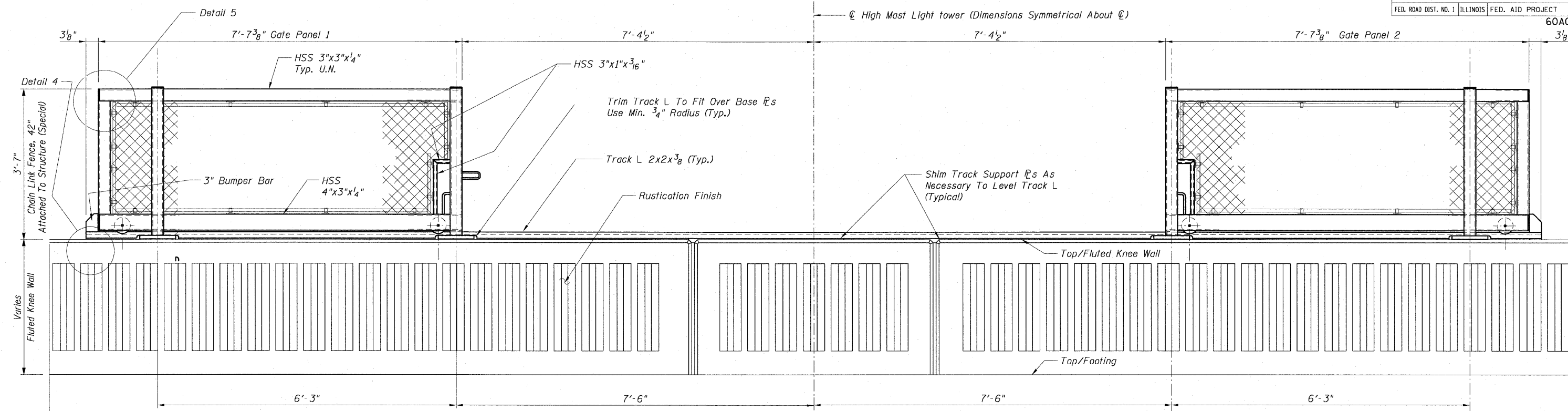
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)
**PLAN AND ELEVATION
CHAIN LINK GATES, 6'x4' SINGLE**

SCALE: None
DATE: JANUARY 14, 2009
DRAWN BY: DAS/CHD
CHECKED BY: RDP

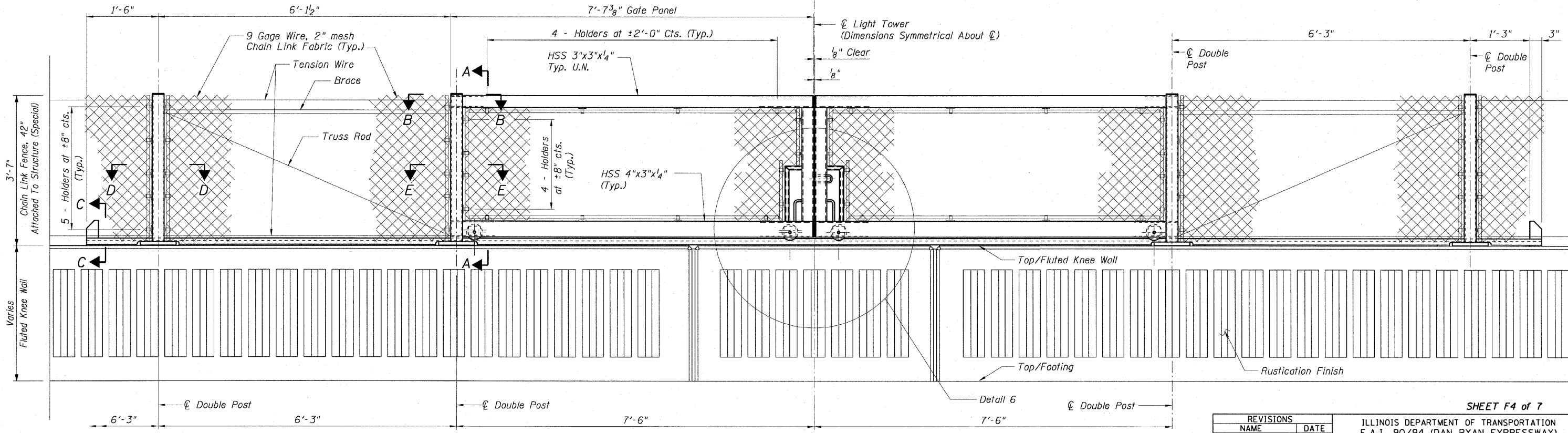
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90/94	2005-032 I	COOK	37	29
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

60A03
3/8"



DETAIL BACK FACE ELEVATION - GATE IN OPEN POSITION



DETAIL BACK FACE ELEVATION - GATE IN CLOSED POSITION

- NOTES:**
1. For Notes see Sheet F5.
 2. For Sections A-A, B-B, D-D and E-E see Sheet F6.
 3. For Sections C-C and Details 4, 5, 6 and 7 see Sheet F7.

REVISIONS	
NAME	DATE

SHEET F4 of 7

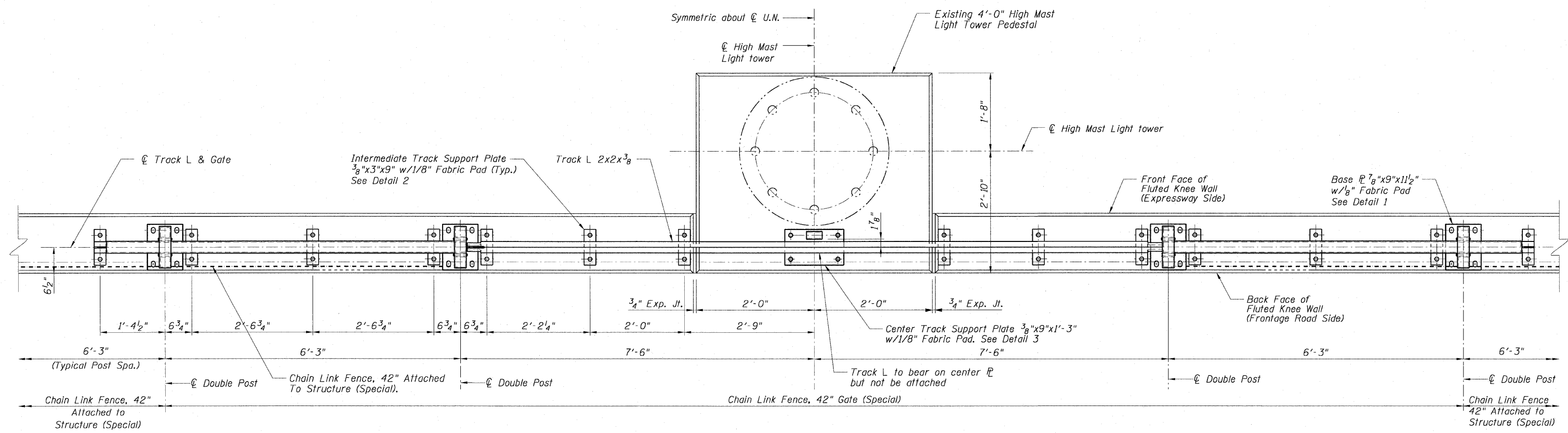
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

TYPICAL ELEVATIONS
CHAIN LINK FENCE, 42" GATE (SPECIAL)
COOK COUNTY

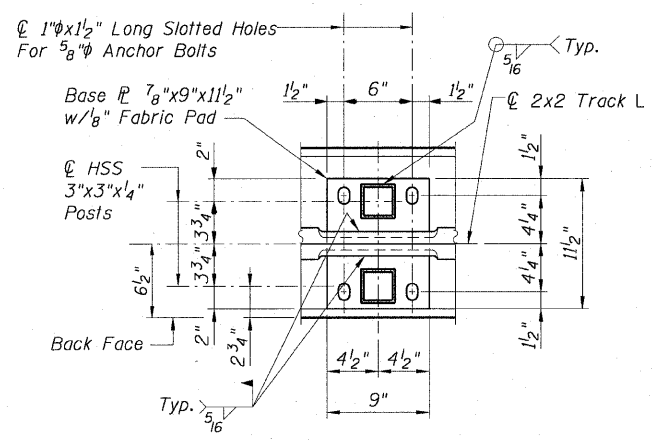
SCALE: None DRAWN BY: FJD
DATE: JANUARY 14, 2009 CHECKED BY: RS

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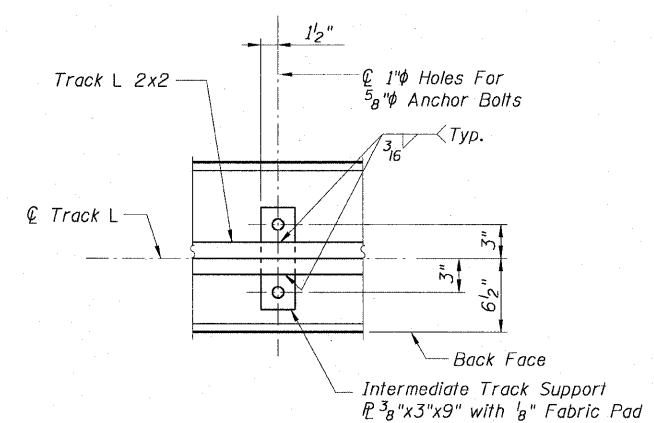
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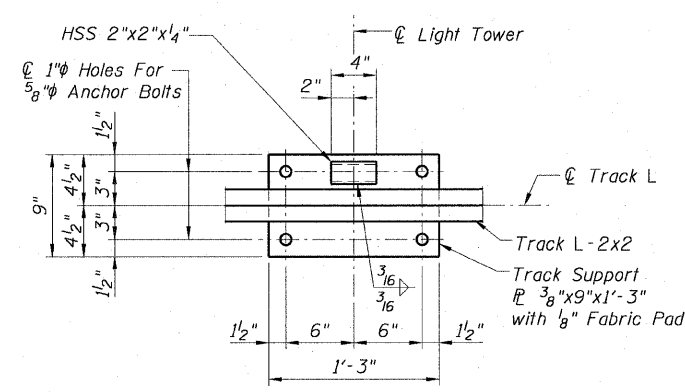
PLAN - GATE IN OPEN POSITION



DETAIL 1



DETAIL 2



DETAIL 3

- NOTES:**
- All Bolts Shall Be Stainless Steel Conforming to ASTM F593-98 and F594-98.
 - All Pipes and Bars Shall Be Hot Dipped Galvanized After Fabrication.
 - All Exposed Chain Link Fence, 42" Attached To Structure (Special) and Gate Materials Shall Be Finished With Either Black Vinyl or Powder Coating.
 - F.F. = Front Face
 - B.F. = Back Face
 - For Anchor Bolt Details See Sheet F6.

AECOM

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

SHEET F5 of 7

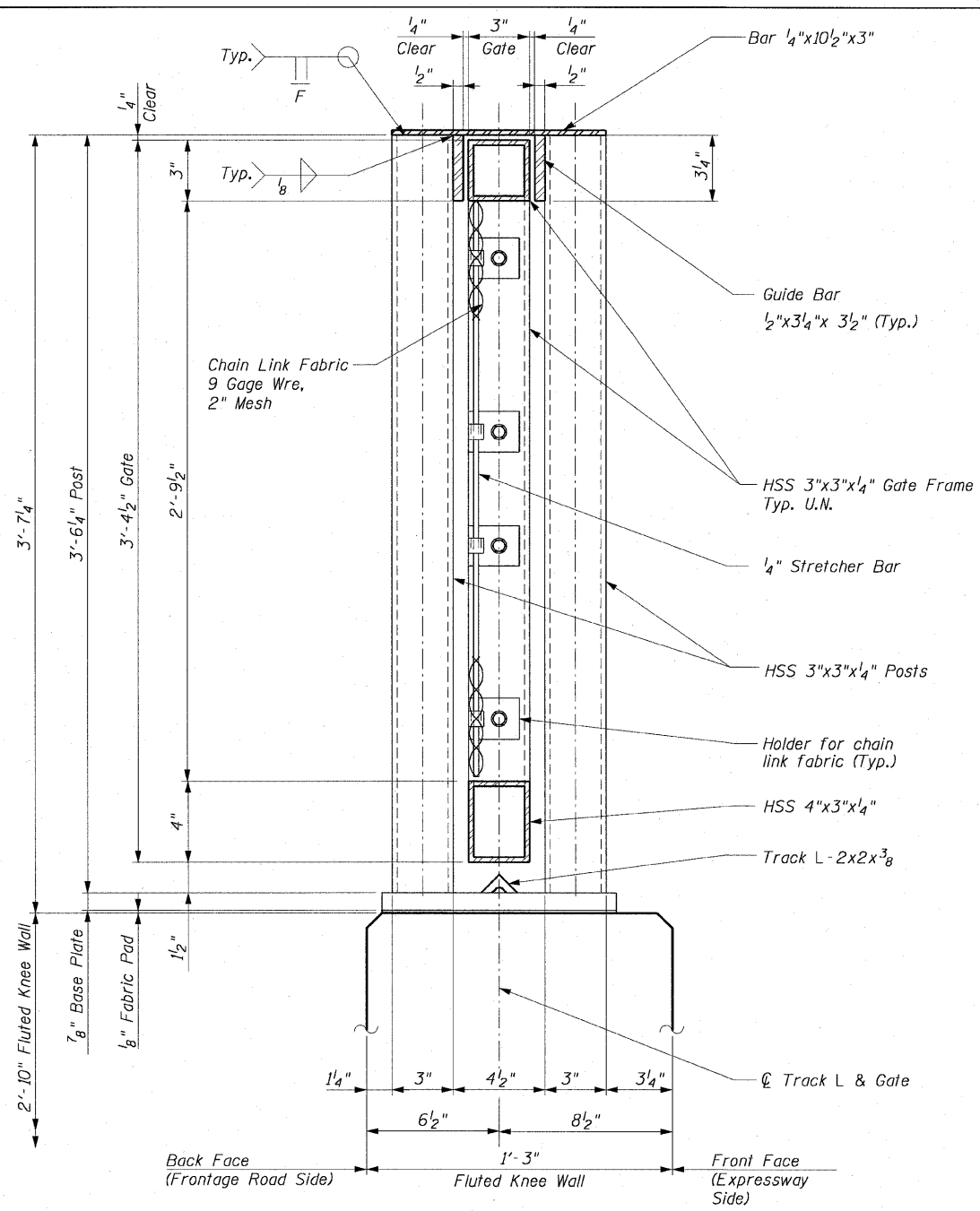
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

**TYPICAL PLAN AND DETAILS
CHAIN LINK FENCE, 42" GATE (SPECIAL)
COOK COUNTY**

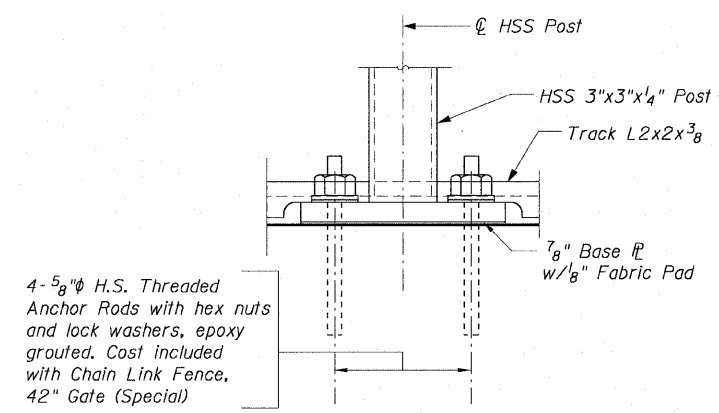
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A03				

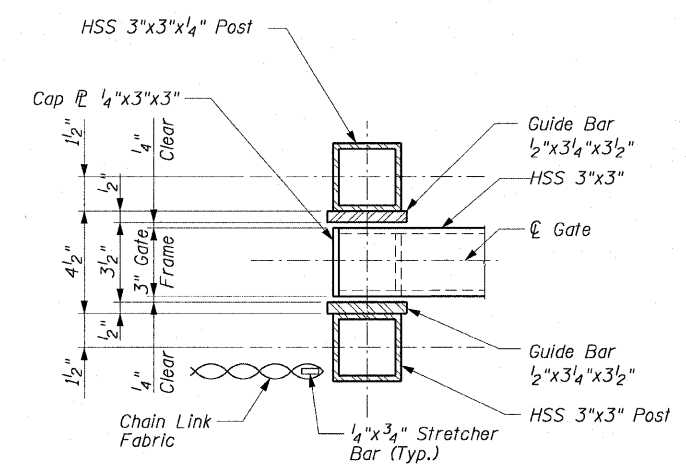
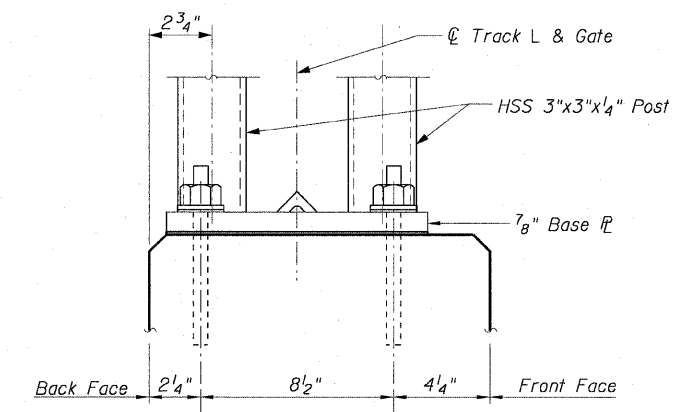


SECTION A-A

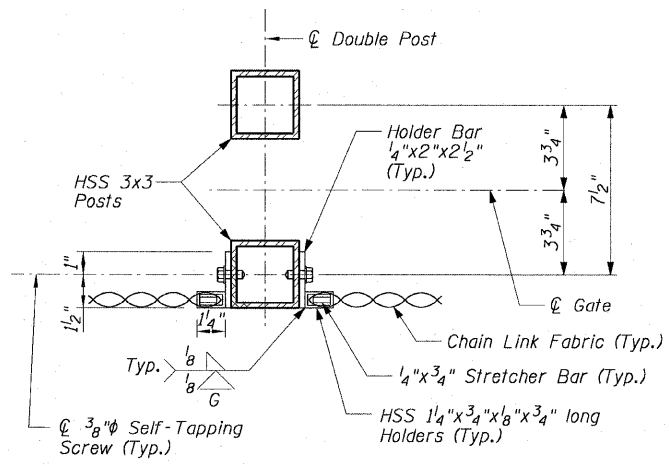


ANCHOR ROD DETAILS

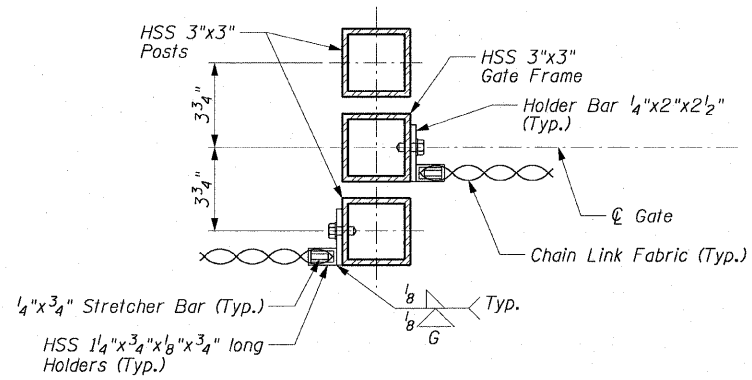
Hole depth shall be according to the Manufacturer's specifications.



SECTION B-B



SECTION D-D



SECTION E-E

NOTES:

1. For Notes see Sheet F5.
2. For Anchor Bolt Locations see Details 1, 2 and 3 on Sheet F5.
3. For Locations of Sections A-A, D-D & E-E see Sheet F4.
4. HSS denotes Hollow Structural Section.

AECOM

REVISIONS	
NAME	DATE

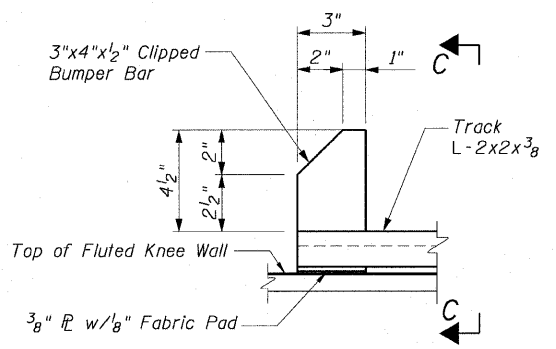
SHEET F6 of 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

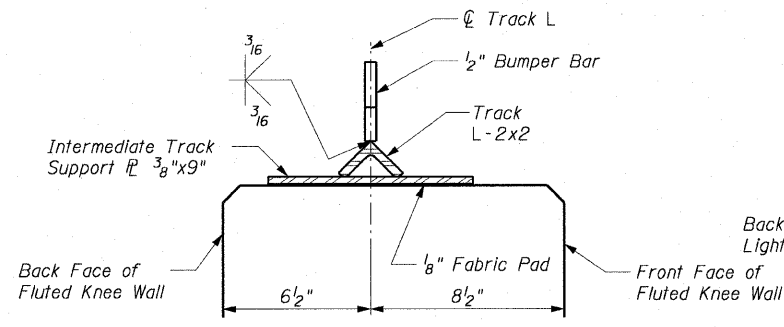
**TYPICAL SECTIONS AND DETAILS,
 CHAIN LINK FENCE, 42" GATE (SPECIAL)
 COOK COUNTY**

SCALE: None DRAWN BY: FJD
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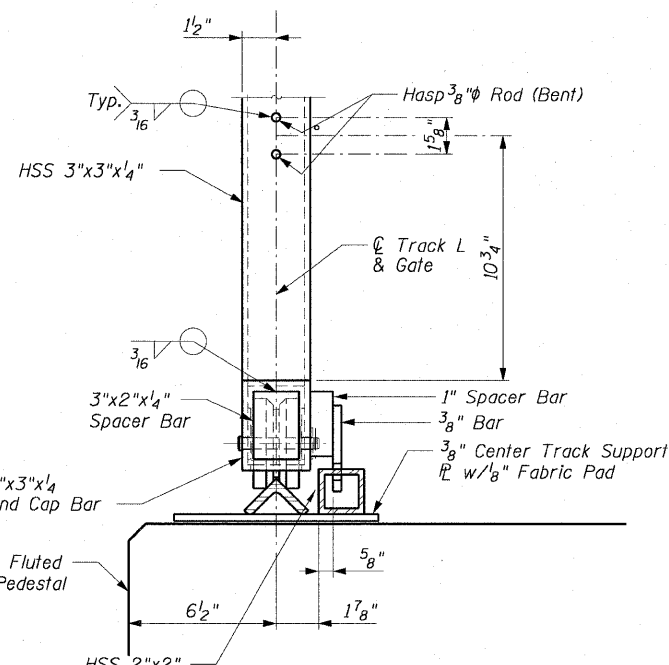
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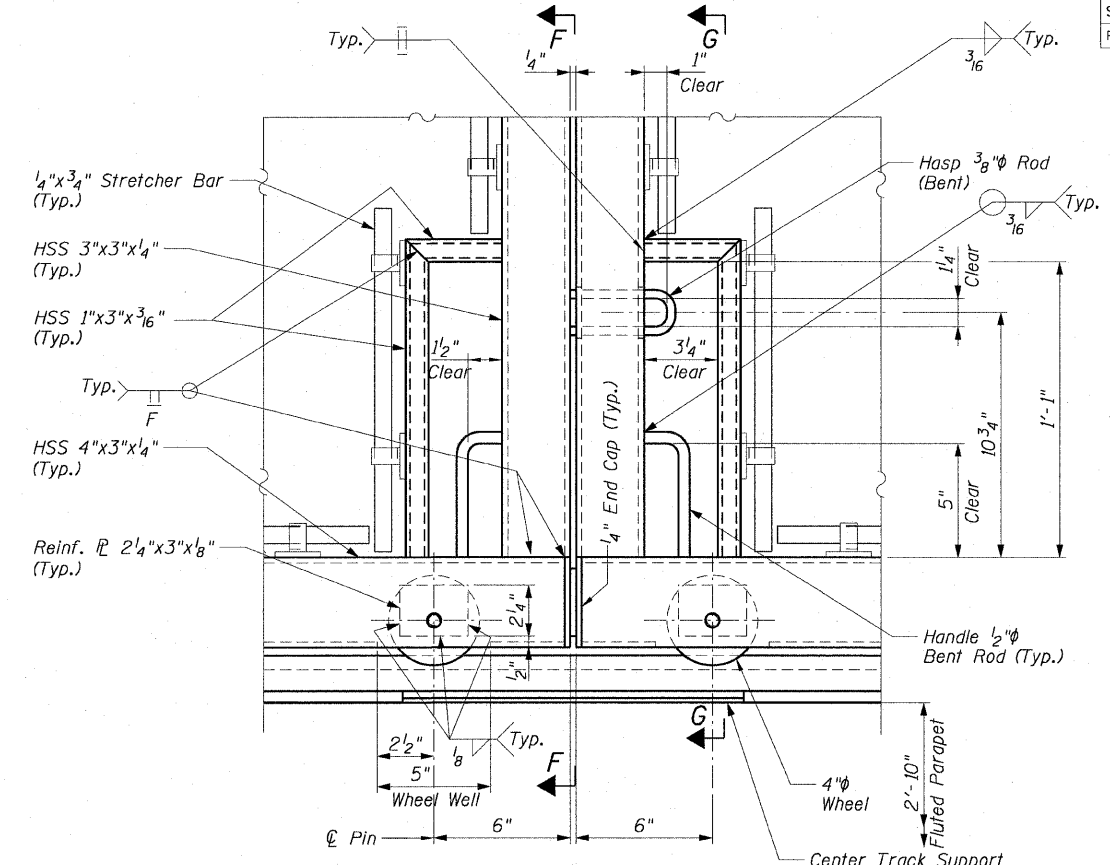
DETAIL 4



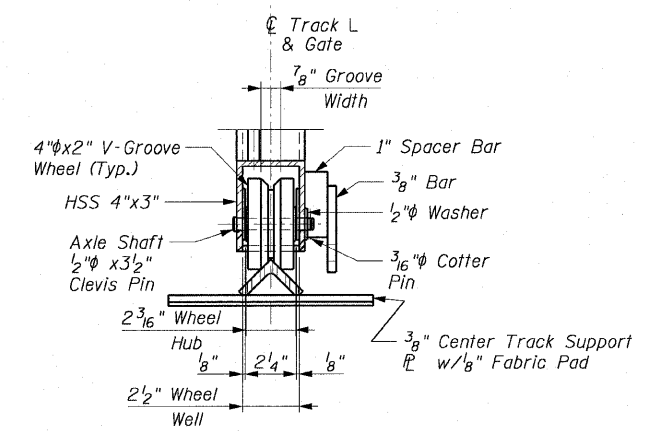
SECTION C-C



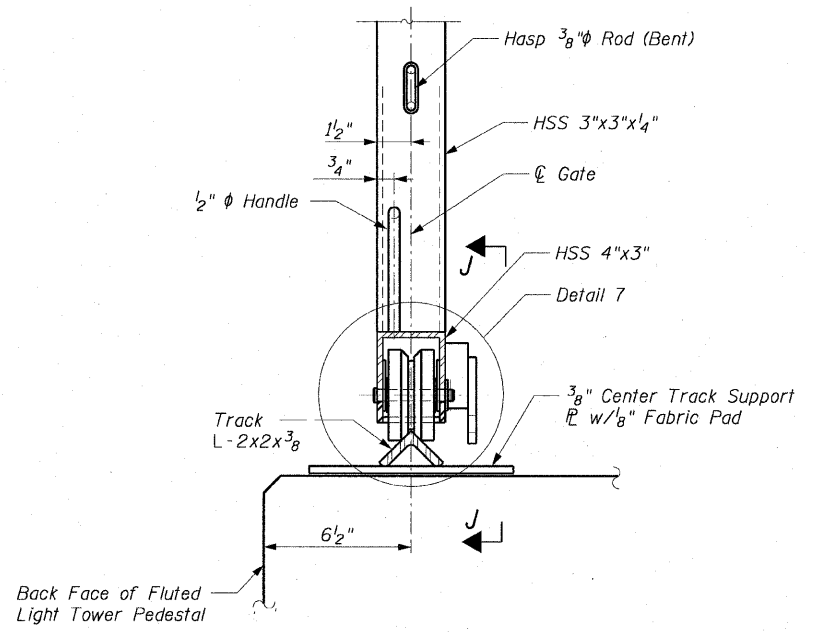
SECTION F-F



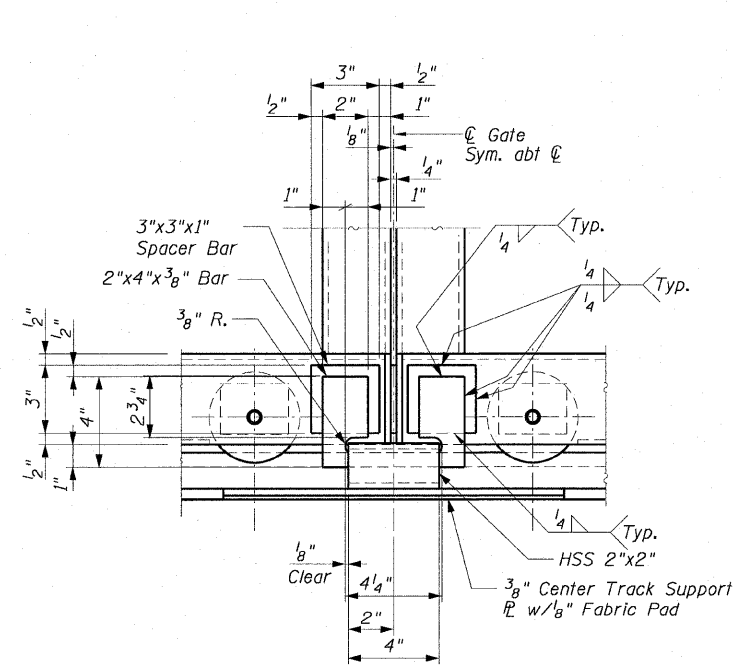
DETAIL 6
(Chain Link Fabric not shown for clarity)



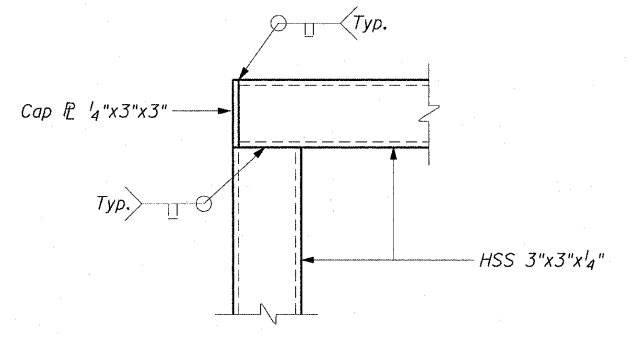
DETAIL 7



SECTION G-G



SECTION J-J



DETAIL 5

NOTES:

1. For Notes See Sheet F5.
2. For Anchor Bolt Locations See Details 1, 2 and 3 On Sheet F5.
3. For Anchor Bolt Details See Sheet F6.
4. For Location of Detail 6 See Sheet F4.
5. HSS denotes Hollow Structural Section.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

**TYPICAL SECTIONS AND DETAILS
 CHAIN LINK FENCE, 42" GATE (SPECIAL)
 COOK COUNTY**

SCALE: None
 DATE: JANUARY 14, 2009

DRAWN BY: FJD
 CHECKED BY: RS

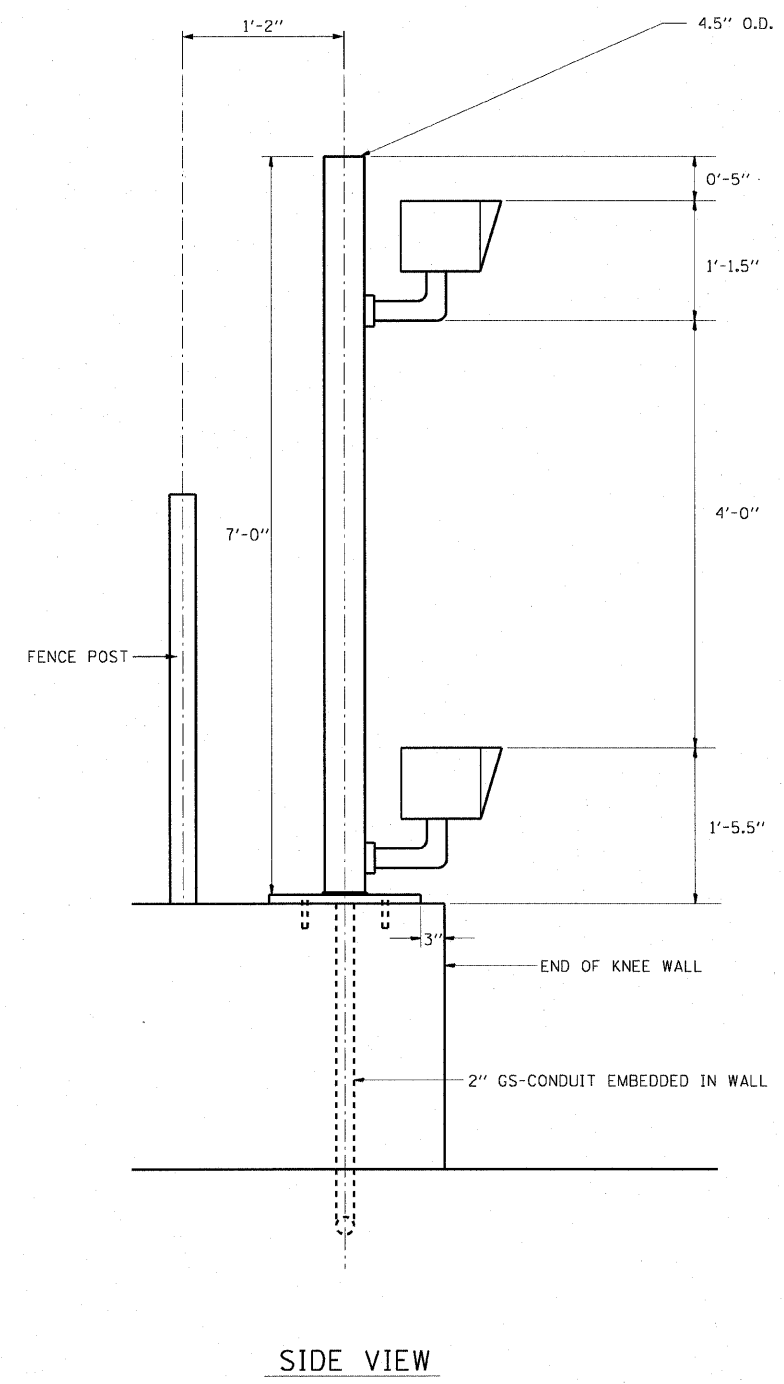
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	33
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

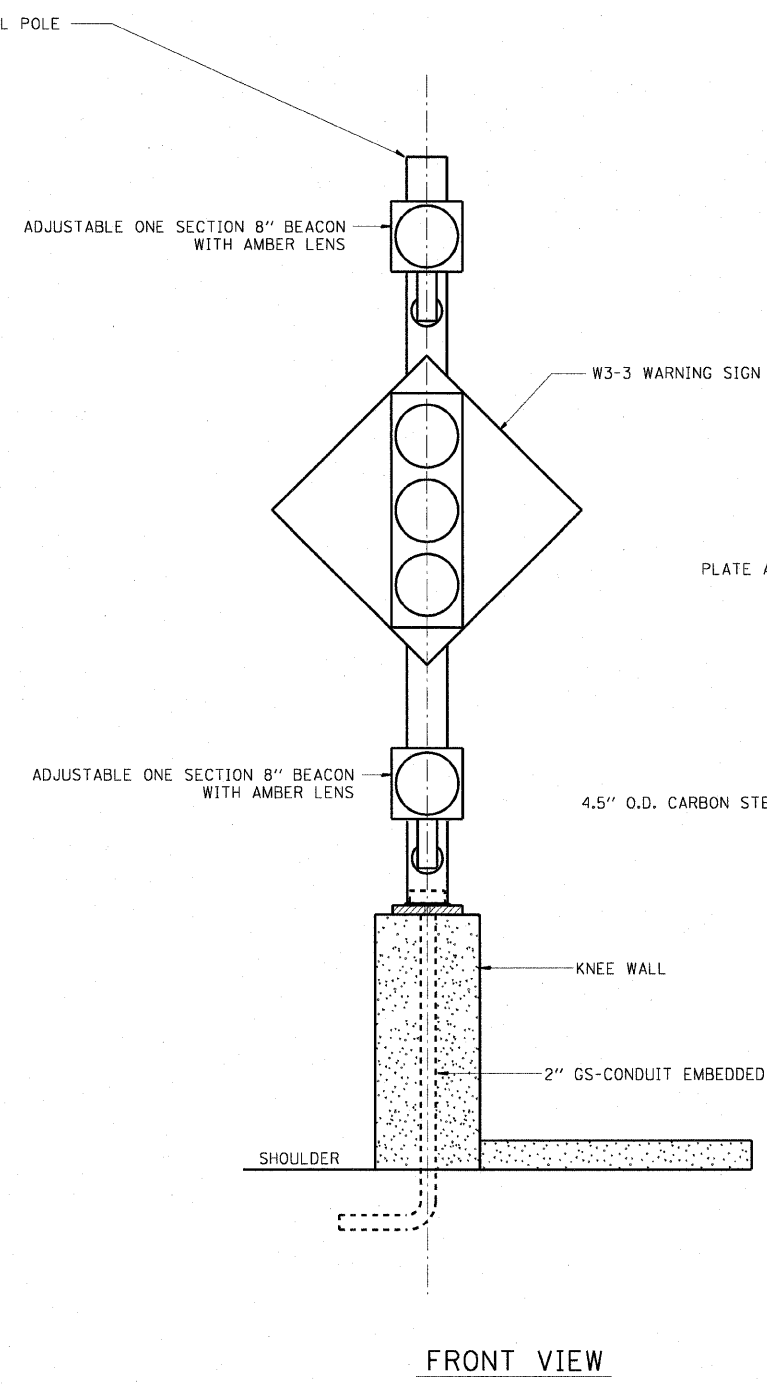
60A03

NOTES:

- THIS DRAWING IS BEING PROVIDED FOR INFORMATION ONLY. ALL WORK SHOWN ON THIS DRAWING IS BY OTHERS. CONTRACTOR MUST INSTALL FIRST FENCE POST SUCH THAT IT DOES NOT CONFLICT WITH THE FUTURE INSTALLATION OF THE RAMP METER FLASHER POST AS SHOWN ON THE DRAWING.

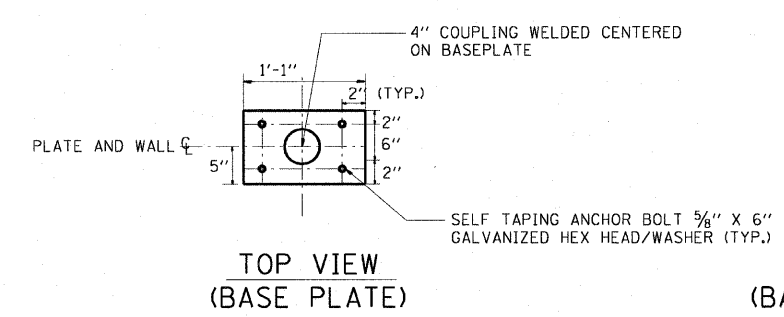


SIDE VIEW

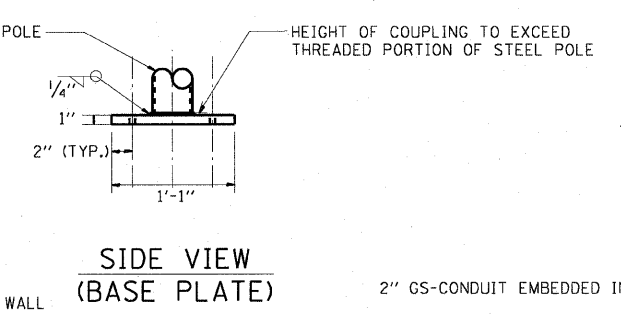


FRONT VIEW

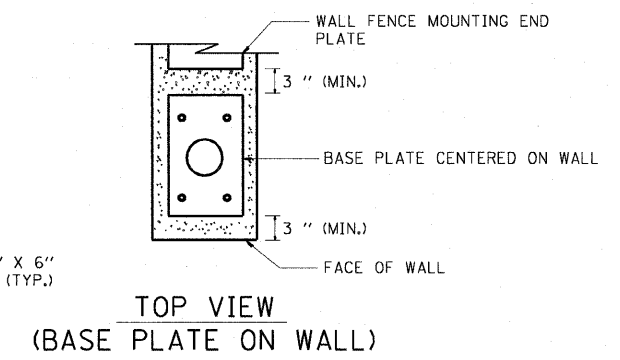
FLASHER POST ON KNEE WALL



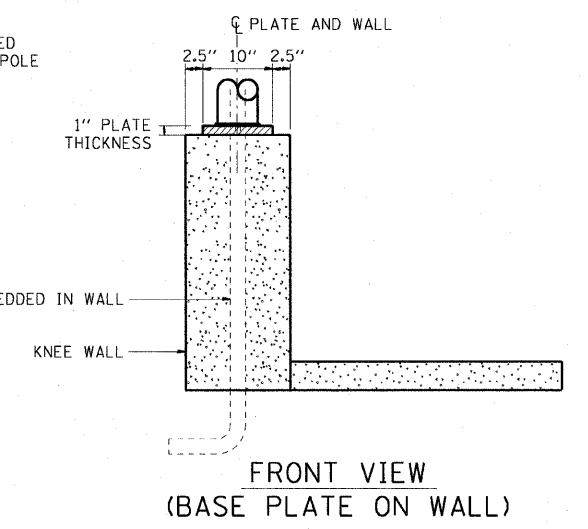
TOP VIEW (BASE PLATE)



SIDE VIEW (BASE PLATE)



TOP VIEW (BASE PLATE ON WALL)



FRONT VIEW (BASE PLATE ON WALL)

AECOM

DT-35A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 71ST ST TO 47TH ST (NB & SB FENCE AND GATES)

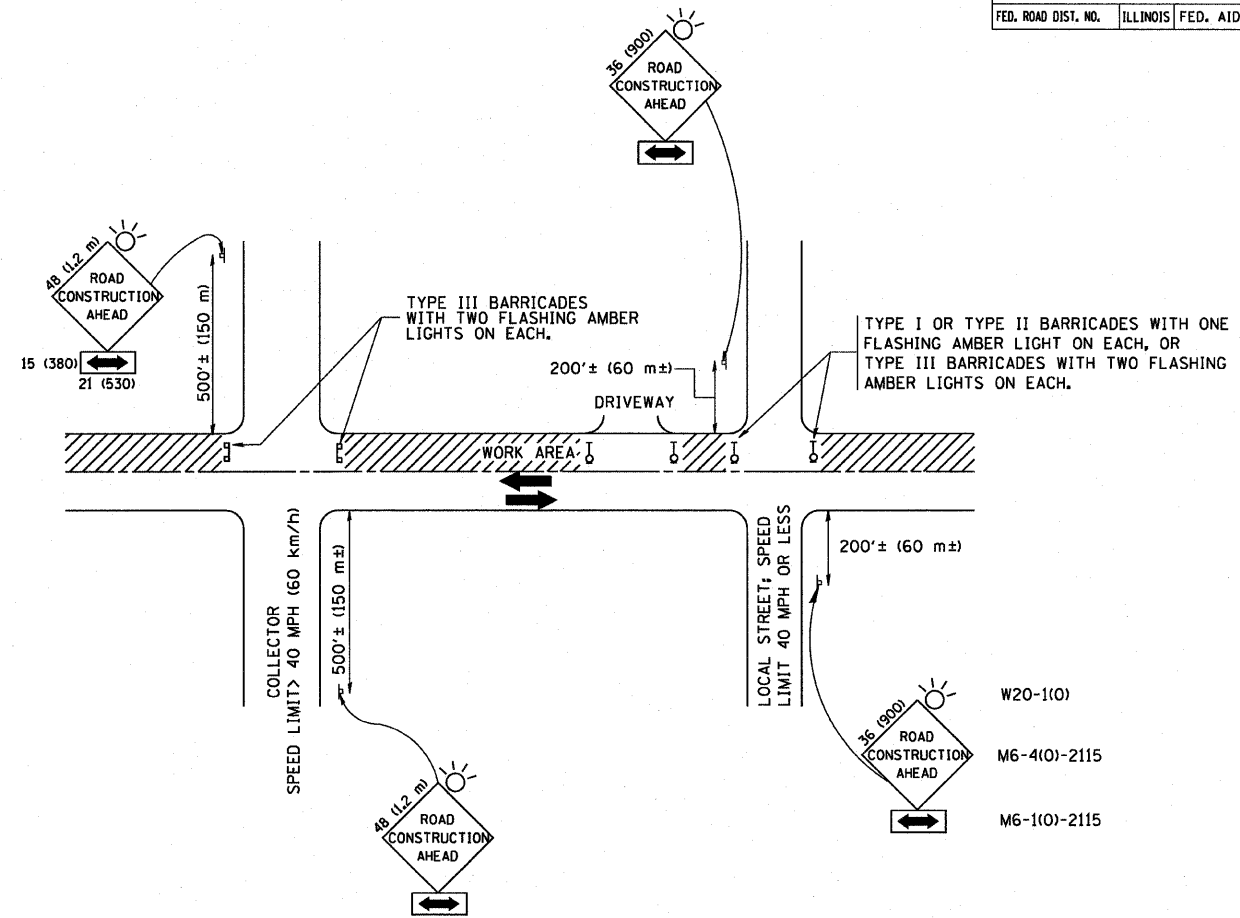
**RAMP METER FLASHER
 ON KNEE WALL DETAIL**

SCALE: NOT TO SCALE
 DATE: JANUARY 14, 2009

DRAWN BY: HR
 CHECKED BY: JPC

I:\scg\p207\p40468\p40468\elec\01-CORL\Knee Wall\Contract\Contract 35\DT-35A2E.dwg 1/13/2009 4:46:14 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-0321	COOK	37	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

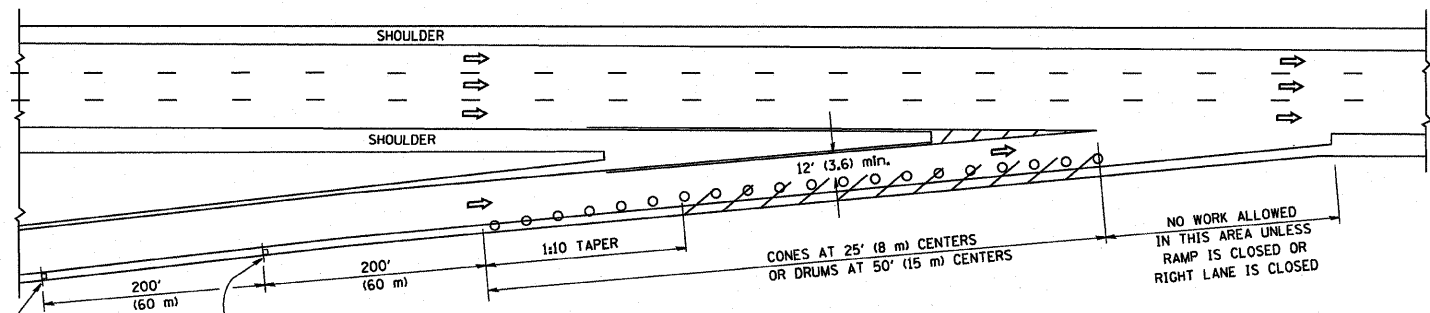
REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

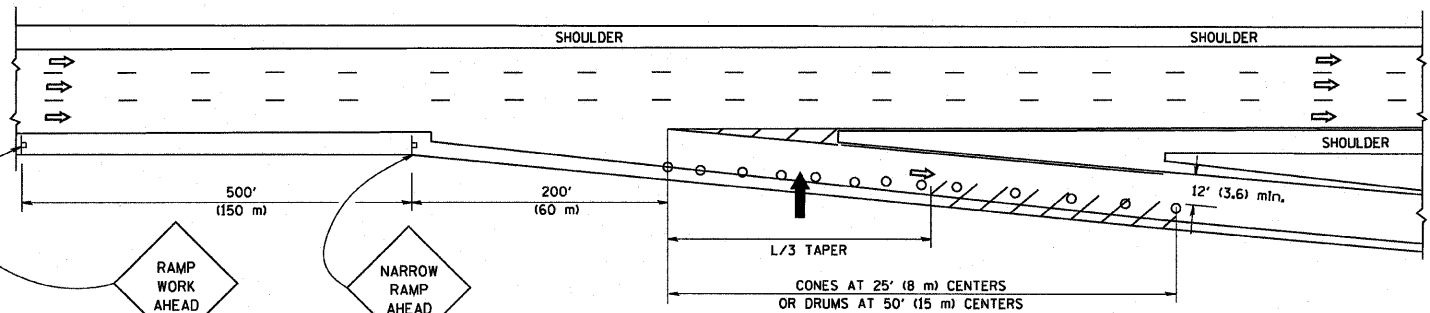
SCALE: NONE
 DRAWN BY
 CHECKED BY
 TC-10

PLOT DATE: 3/6/2007
 FILE NAME: K:\distrac\10010.dgn
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: sbaurd1

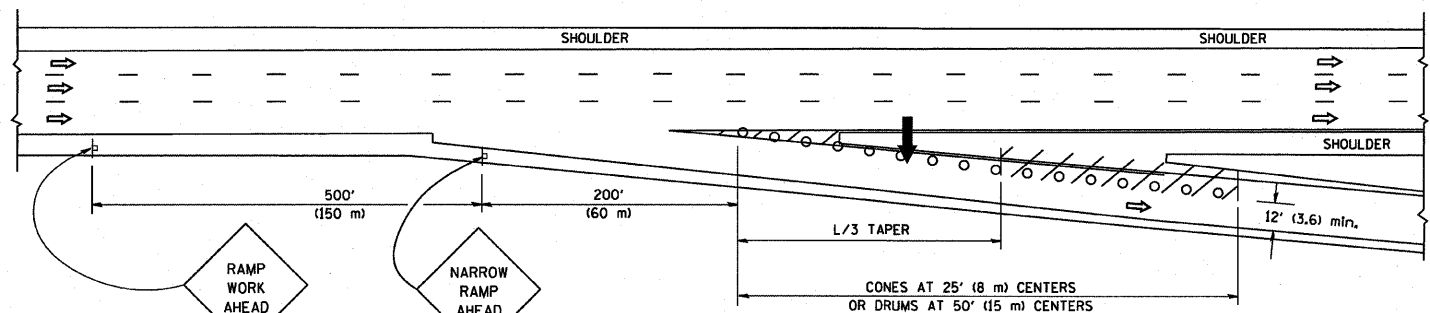
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

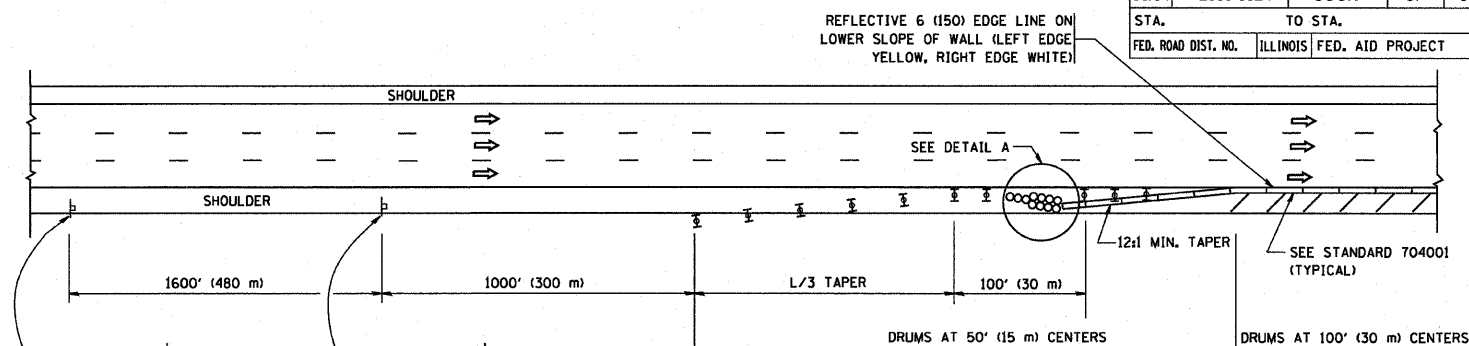
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

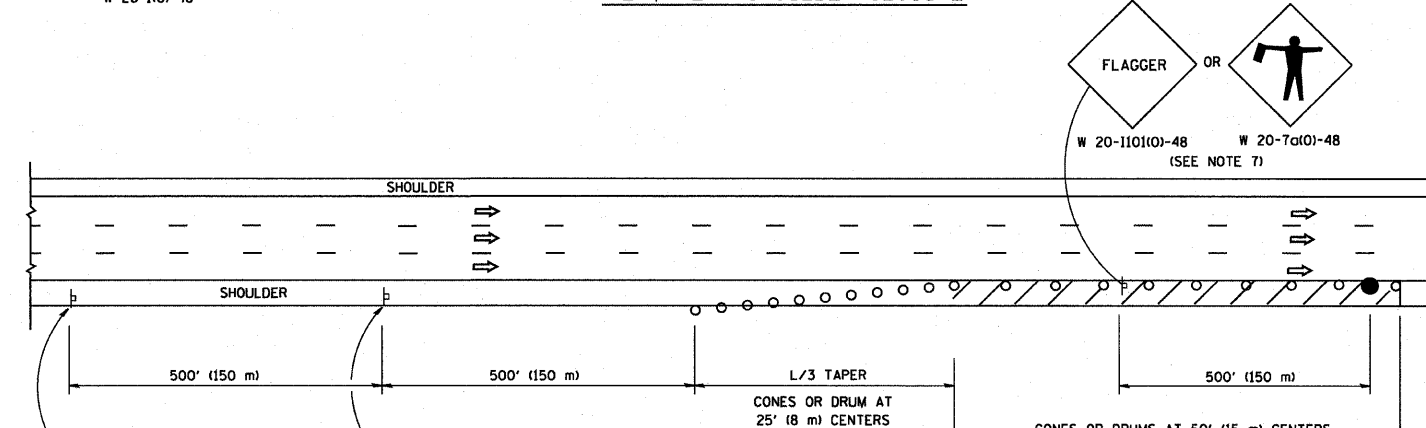
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L = 0.65(W)(S)$ ENGLISH: $L = (W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

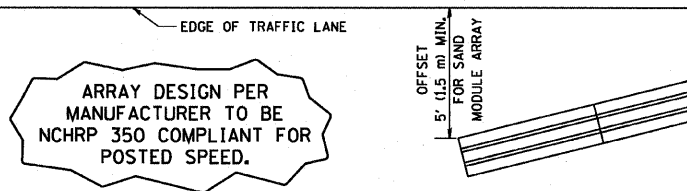


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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

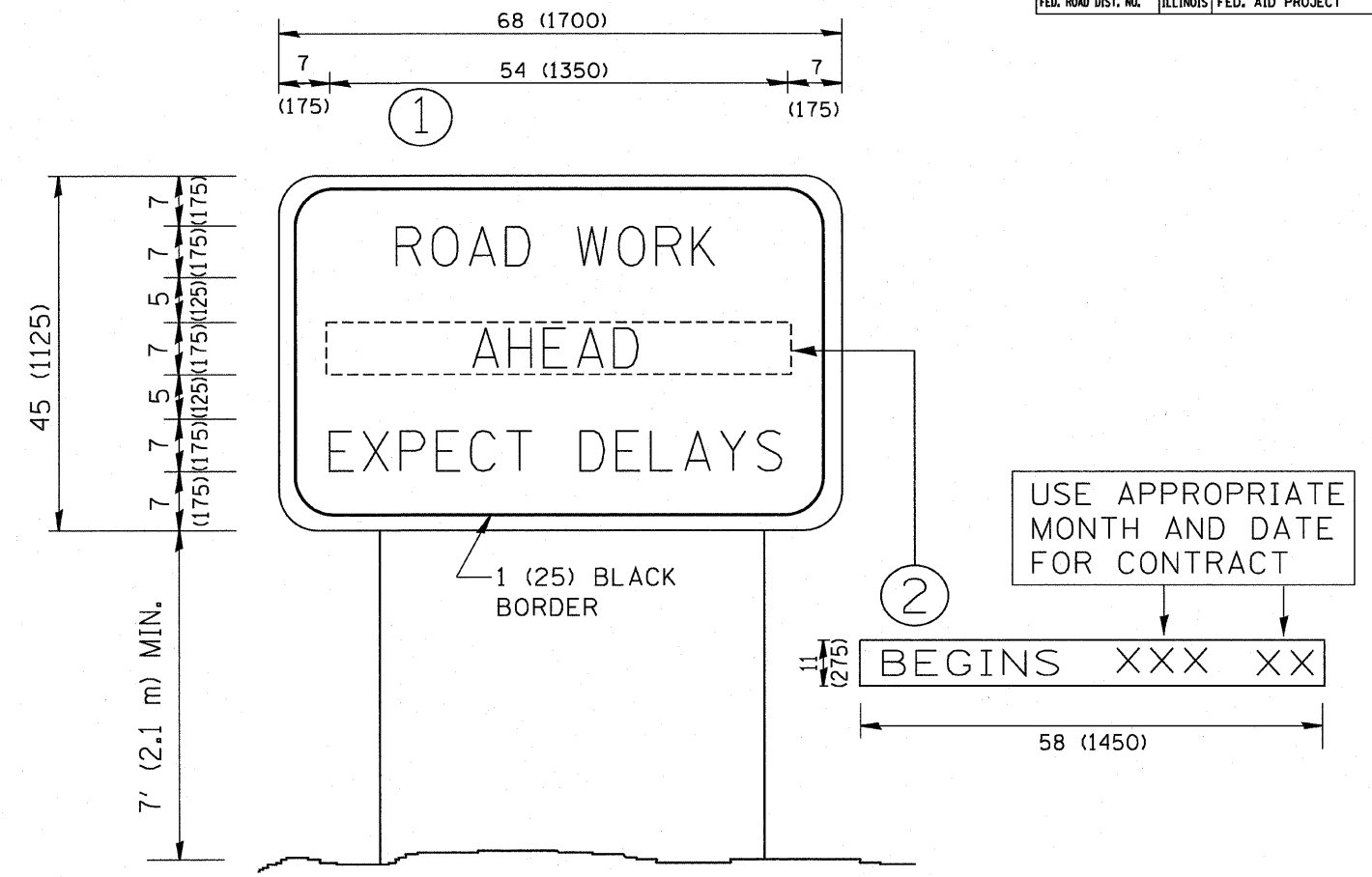
REVISIONS		
NAME	DATE	
DWS	11/96	
JAF	12/02	
NCHRP 350	04/03	
JAF	2/06	
SPB	1/07	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL DETAILS
 FOR FREEWAY
 SHOULDER CLOSURES
 PARTIAL RAMP CLOSURES

SCALE: NONE

DESIGNED BY: DWS
 DRAWN BY:
 CHECKED BY:
 TC-17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-032 I	COOK	37	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ARTERIAL ROAD
 INFORMATION SIGN**

SCALE: NONE

DRAWN BY DESIGN
 CHECKED BY
 TC22