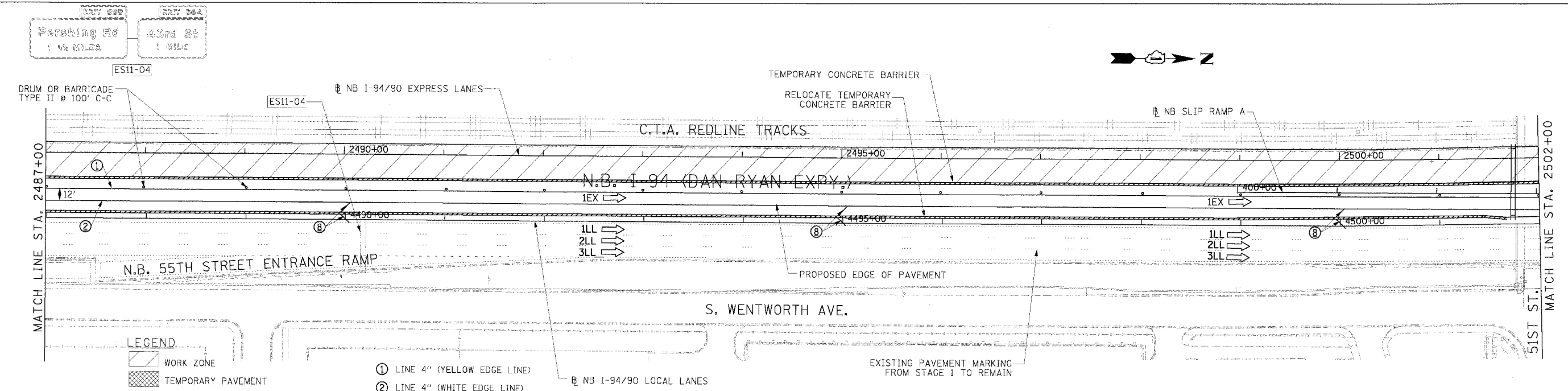
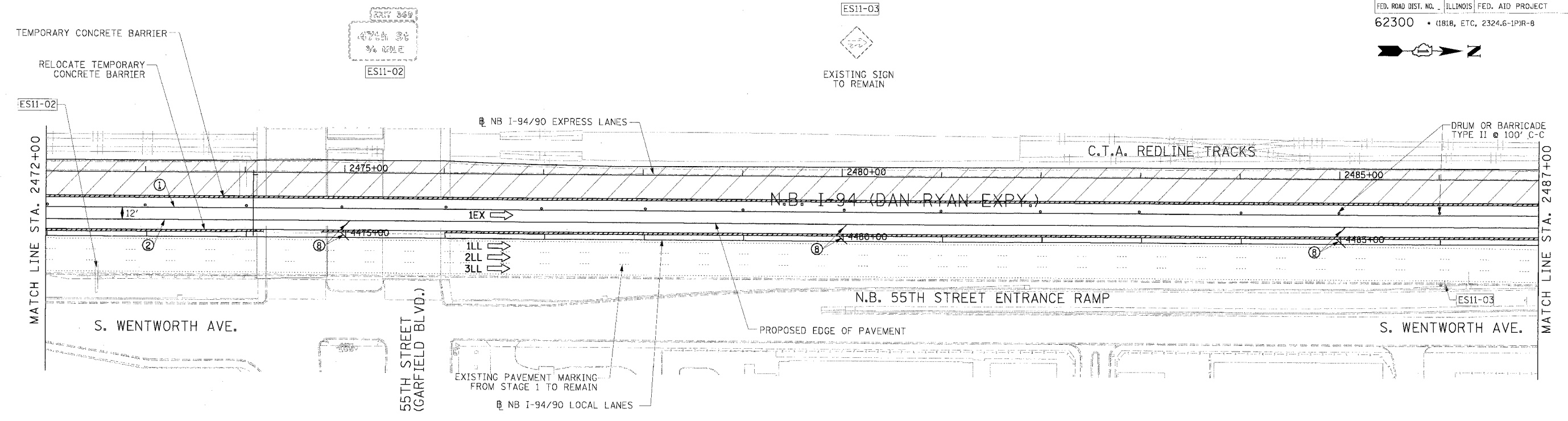


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	• (181B, ETC, 2324.6-1PJR-8			



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- EXISTING SIGN
- TEMPORARY SIGN

- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE CORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

STATIONING
+** STATION PROVIDED FROM THE NB I-90/94 EXPRESS LANES
(+**) STATION PROVIDED FROM THE NB I-90/94 LOCAL LANES

NOTE:
ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.

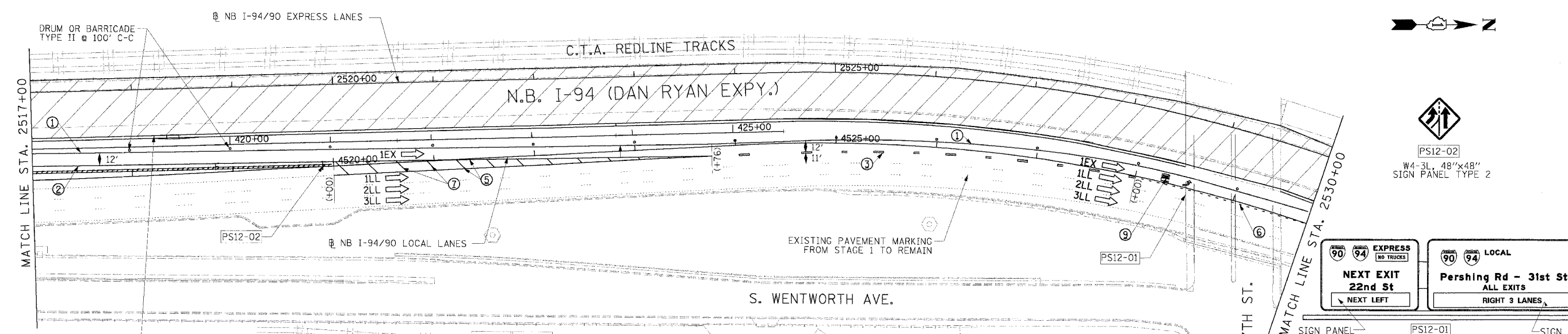
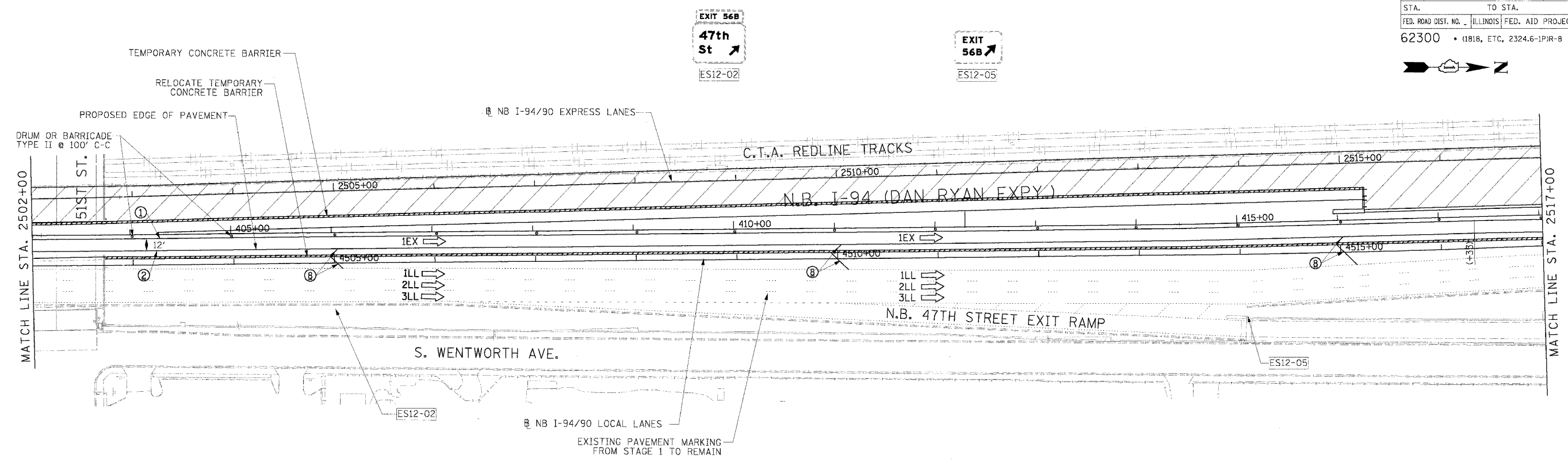
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
MAINTENANCE OF TRAFFIC PLAN
NORTHBOUND STA. 2472+00 TO STA. 2502+00
STAGE 2
SCALE: 1"=50'
DATE: 7/7/05
DRAWN BY: TAI
CHECKED BY: PJM

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC PLAN
 NORTHBOUND STA. 2472+00 TO STA. 2502+00
 STAGE 2
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	102
STA.	TO STA.		FED. AID PROJECT	
62300	(1818, ETC, 2324.6-1PIR-B			



STA. 4518+40.00 - PROPOSED FOUNDATION FOR OVERHEAD SIGN TRUSS SEE OVERHEAD SIGN DETAILS (OVERHEAD SIGN TRUSS TO BE BUILT IN FUTURE CONTRACT)

- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - TRAFFIC LANE & DIRECTION OF TRAFFIC
 - DRUM OR BARRICADE TYPE-II WITH STEADY BURN LIGHT
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
 - BARRICADE TYPE III
 - TEMPORARY CONCRETE BARRIER
 - EXISTING SIGN
 - TEMPORARY SIGN

- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS

STATIONING
 +** STATION PROVIDED FROM THE NB I-90/94 EXPRESS LANES
 (+***) STATION PROVIDED FROM THE NB I-90/94 LOCAL LANES

NOTE:
 ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.

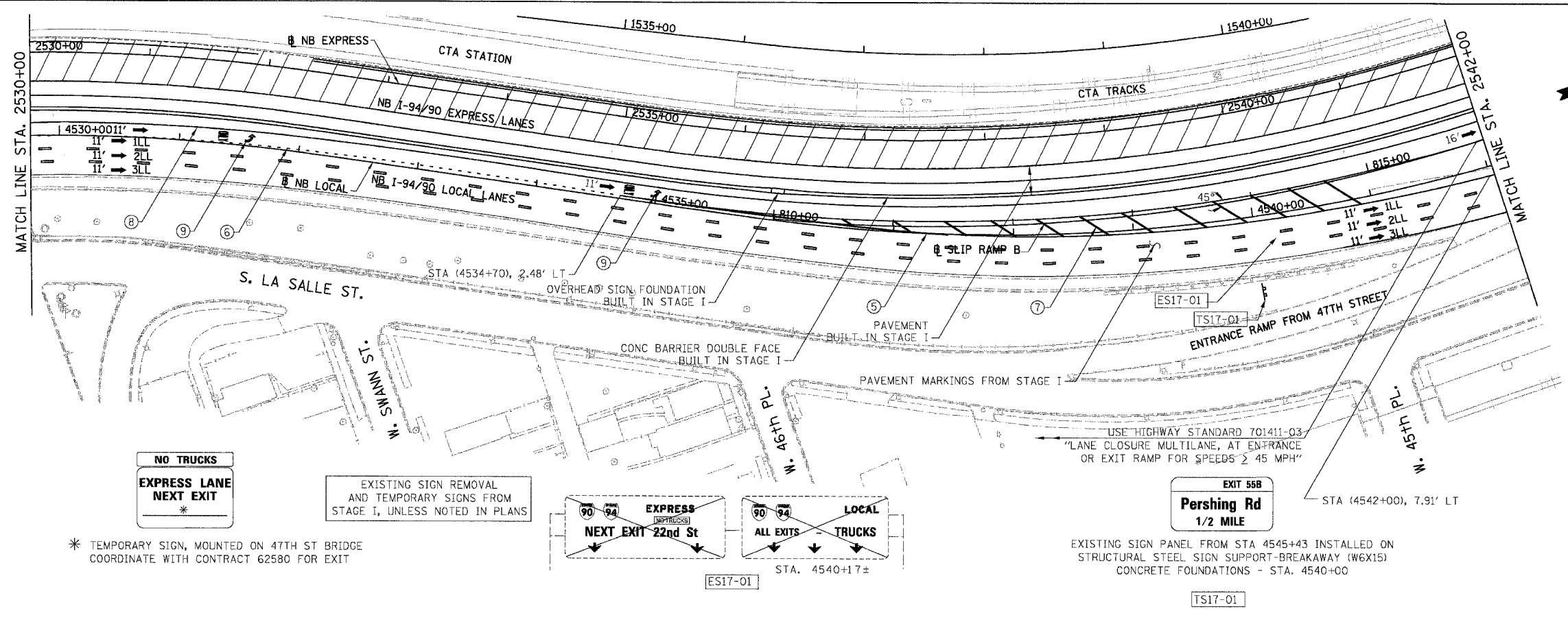
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC PLAN
 NORTHBOUND STA. 2502+00 TO STA. 2530+00
 STAGE 2
 SCALE: 0" = 50' 1" = 50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

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

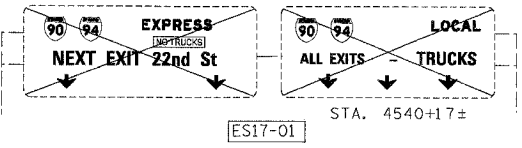
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 MOT-22
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90 *		COOK	556	103
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	*(1818, ETC, 2324.6-1P1R-8			



NO TRUCKS
EXPRESS LANE
NEXT EXIT
*

EXISTING SIGN REMOVAL AND TEMPORARY SIGNS FROM STAGE I, UNLESS NOTED IN PLANS



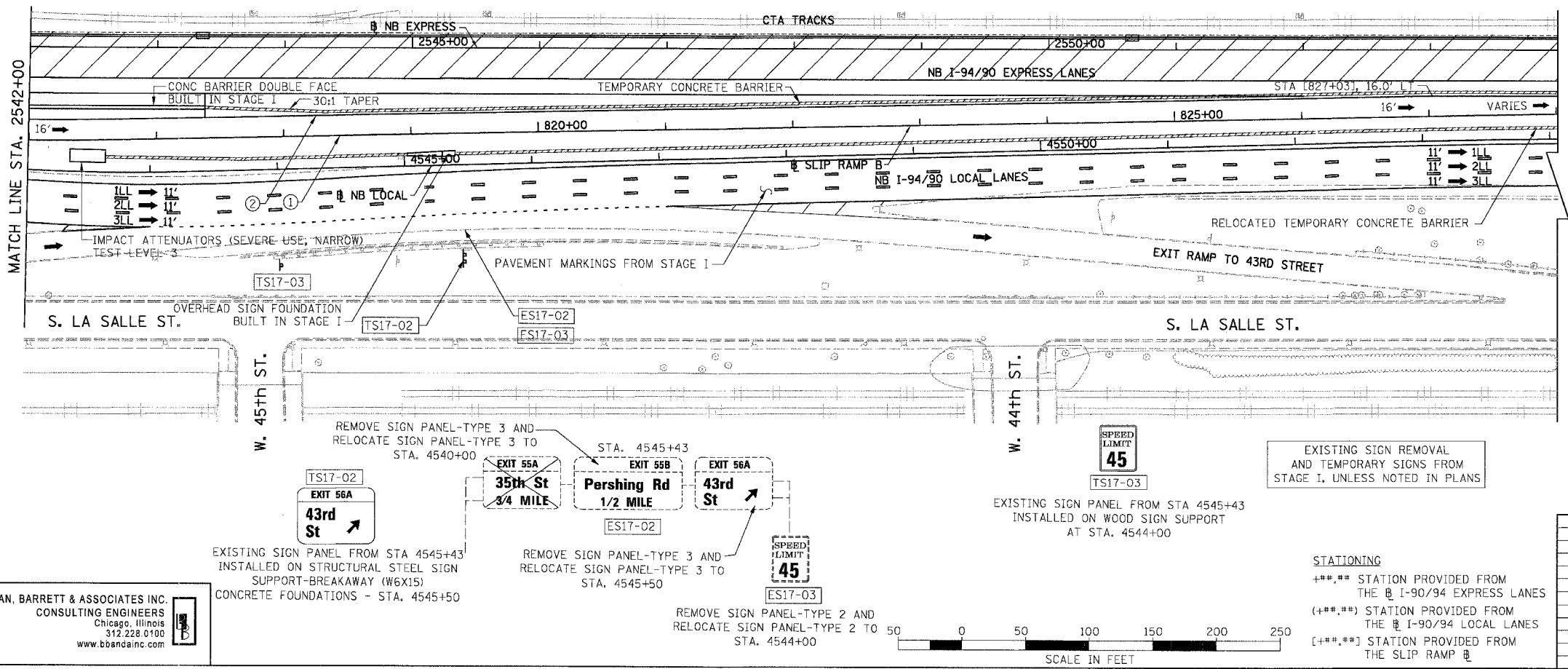
EXIT 55B
Pershing Rd
1/2 MILE

EXISTING SIGN PANEL FROM STA 4545+43 INSTALLED ON STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY (W6X15) CONCRETE FOUNDATIONS - STA. 4540+00

* TEMPORARY SIGN, MOUNTED ON 47TH ST BRIDGE COORDINATE WITH CONTRACT 62580 FOR EXIT

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- ILL TRAFFIC LANE & DIRECTION OF TRAFFIC
- DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- BARRICADE TYPE III
- TEMPORARY CONCRETE BARRIER
- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 500' C-C)
- ⑧ LINE 12" (DIAGONAL, 500' C-C)
- ⑨ LETTERS AND SYMBOLS
- ESx-xx EXISTING SIGNS
- TSx-xx TEMPORARY SIGNS



EXIT 56A
43rd St

EXISTING SIGN PANEL FROM STA 4545+43 INSTALLED ON STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY (W6X15) CONCRETE FOUNDATIONS - STA. 4545+50

EXIT 55A
35th St
3/4 MILE

REMOVE SIGN PANEL-TYPE 3 AND RELOCATE SIGN PANEL-TYPE 3 TO STA. 4540+00

EXIT 55B
Pershing Rd
1/2 MILE

REMOVE SIGN PANEL-TYPE 3 AND RELOCATE SIGN PANEL-TYPE 3 TO STA. 4545+50

EXIT 56A
43rd St

REMOVE SIGN PANEL-TYPE 2 AND RELOCATE SIGN PANEL-TYPE 2 TO STA. 4544+00

SPEED LIMIT 45

EXISTING SIGN PANEL FROM STA 4545+43 INSTALLED ON WOOD SIGN SUPPORT AT STA. 4544+00

EXISTING SIGN REMOVAL AND TEMPORARY SIGNS FROM STAGE I, UNLESS NOTED IN PLANS

NOTE:

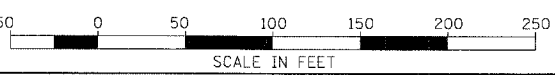
ALL PAVEMENT MARKINGS ON THIS SHEET WILL BE PAVEMENT MARKING TAPE, TYPE III, UNLESS OTHERWISE NOTED.

MOT-23

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
MAINTENANCE OF TRAFFIC PLAN STAGE 2
NORTHBOUND STA. 2530+00 TO STA. 2554+00
SCALE: 1"=50'
DATE: 07/07/05
DRAWN BY: RA
CHECKED BY: RS

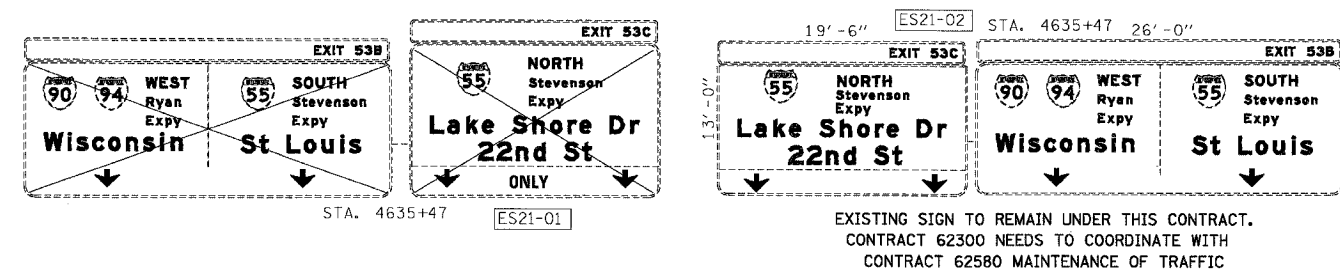
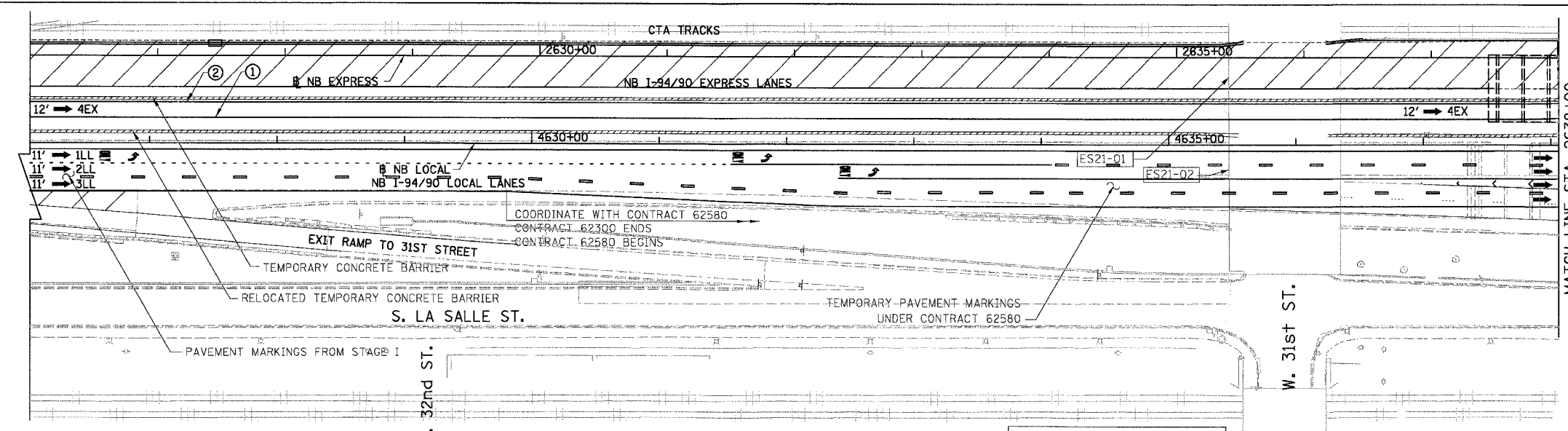
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com



STATIONING
+***.** STATION PROVIDED FROM THE I-90/94 EXPRESS LANES
(+**.***) STATION PROVIDED FROM THE I-90/94 LOCAL LANES
[+**.**] STATION PROVIDED FROM THE SLIP RAMP

MOT-23 257.69 PM 5/27/2005

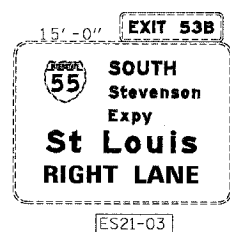
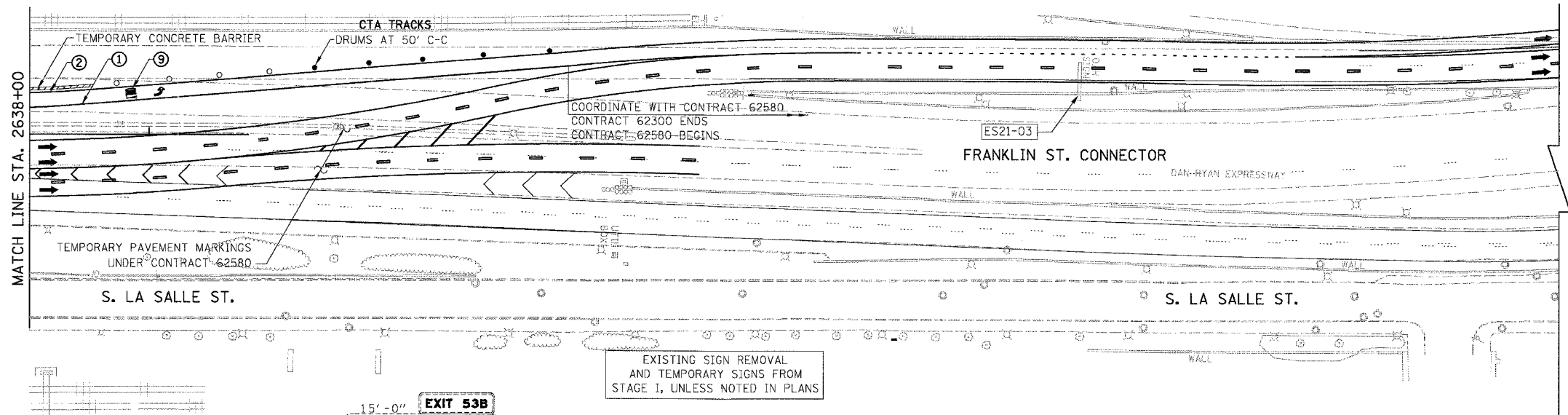
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	104
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	*1816, ETC, 2324, 6-1P1R-8			



EXISTING SIGN REMOVAL AND TEMPORARY SIGNS FROM STAGE I, UNLESS NOTED IN PLANS

CONTRACT 62580 MAINTENANCE OF TRAFFIC AS SHOWN IS FOR REFERENCE ONLY, NO DETAIL INFORMATION SHOWN

- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - ILL TRAFFIC LANE & DIRECTION OF TRAFFIC
 - DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
 - BARRICADE TYPE III
 - TEMPORARY CONCRETE BARRIER
 - ① LINE 4" (YELLOW EDGE LINE)
 - ② LINE 4" (WHITE EDGE LINE)
 - ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
 - ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
 - ⑤ LINE 8" (WHITE GORE LINE)
 - ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
 - ⑦ LINE 12" (DIAGONAL, 30' C-C)
 - ⑧ LINE 12" (DIAGONAL, 500' C-C)
 - ⑨ LETTERS AND SYMBOLS
 - ESx-xx EXISTING SIGNS
 - TSx-xx TEMPORARY SIGNS



EXISTING SIGN REMOVAL AND TEMPORARY SIGNS FROM STAGE I, UNLESS NOTED IN PLANS

CONTRACT 62580 MAINTENANCE OF TRAFFIC AS SHOWN IS FOR REFERENCE ONLY, NO DETAIL INFORMATION SHOWN

NOTE:
ALL PAVEMENT MARKINGS ON THIS SHEET WILL BE PAVEMENT MARKING TAPE, TYPE III, UNLESS OTHERWISE NOTED.

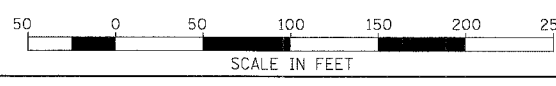
REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
MAINTENANCE OF TRAFFIC PLAN STAGE 2
NORTHBOUND STA. 2626+00 TO STA.

SCALE: 1"=50'
DATE: 07/07/05

DRAWN BY: RA
CHECKED BY: RS

STATIONING
+###.## STATION PROVIDED FROM THE I-90/94 EXPRESS LANES
(+###.##) STATION PROVIDED FROM THE I-90/94 LOCAL LANES
[+###.##] STATION PROVIDED FROM THE SLIP RAMP



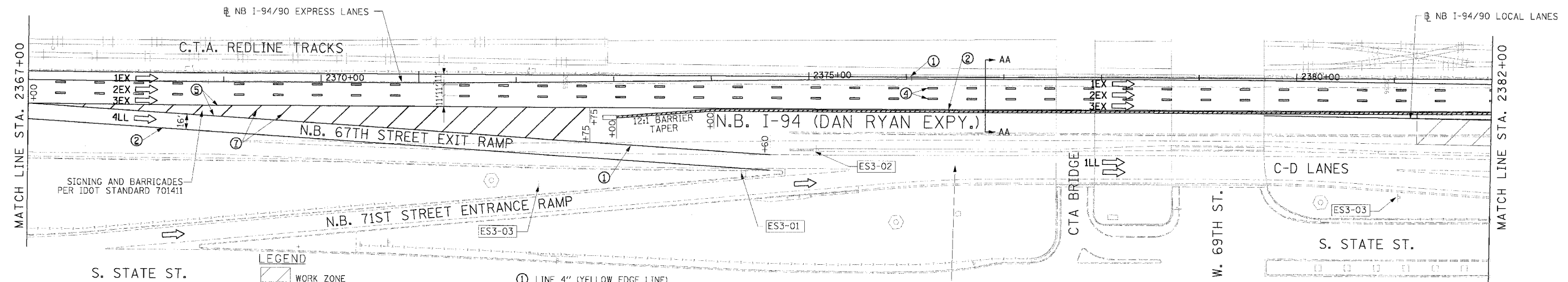
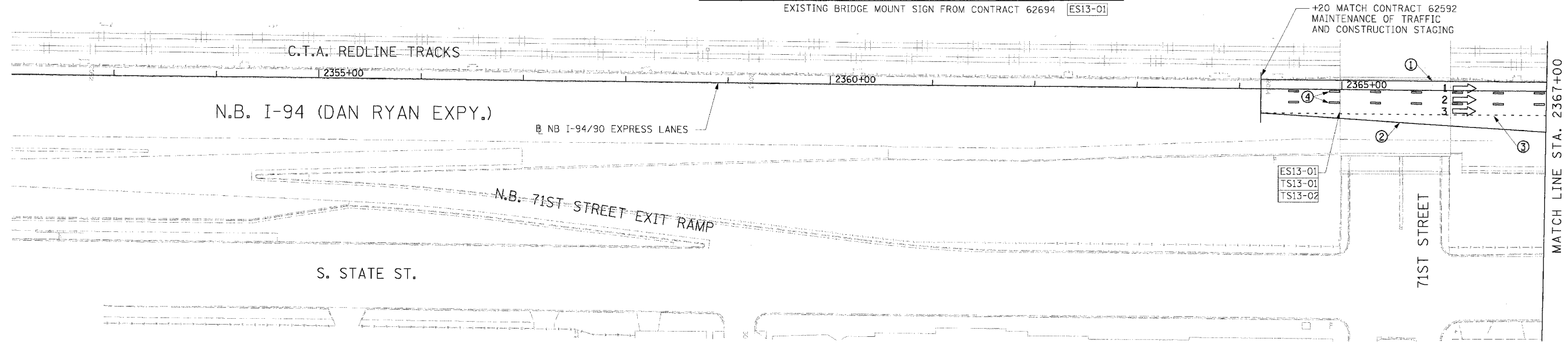
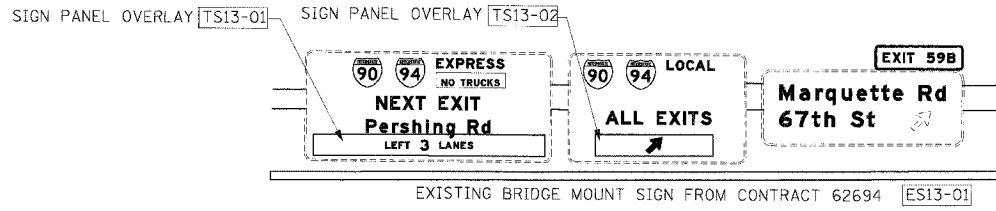
BOWMAN, BARRETT & ASSOCIATES INC
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

EXISTING SIGN TO REMAIN UNDER THIS CONTRACT.
CONTRACT 62300 NEEDS TO COORDINATE WITH
CONTRACT 62580 MAINTENANCE OF TRAFFIC

MOT-24

6/24/2005 10:05 AM

F.A.I. RTE. 94/90	SECTION	COUNTY COOK	TOTAL SHEETS 556	SHEET NO. 105
STA. 62300	TO STA. 62300	ILLINOIS FED. AID PROJECT (1818, ETC, 2324.6-1PR-8		



LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT
	TRAFFIC LANE & DIRECTION OF TRAFFIC
	DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	BARRICADE TYPE III
	TEMPORARY CONCRETE BARRIER
ESx-xx	EXISTING SIGN
TSx-xx	TEMPORARY SIGN

- ① LINE 4" (YELLOW EDGE LINE)
- ② LINE 4" (WHITE EDGE LINE)
- ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
- ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
- ⑤ LINE 8" (WHITE GORE LINE)
- ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
- ⑦ LINE 12" (DIAGONAL, 30' C-C)
- ⑧ LINE 12" (DIAGONAL, 50' C-C)
- ⑨ LETTERS AND SYMBOLS

STATIONING
 +** STATION PROVIDED FROM THE NB I-90/94 EXPRESS LANES
 (+***) STATION PROVIDED FROM THE NB I-90/94 LOCAL LANES

NOTE:
 ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC PLAN
 NORTHBOUND STA. 2352+00 TO STA. 2382+00
 STAGE 3
 SCALE: 1"=50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

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

P:\030090305\Cor 14&15\CADD\Drawings\105.dwg
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90 94 EXPRESS
NEXT EXIT
Pershing Rd - 3900 S
 LEFT 3 LANES

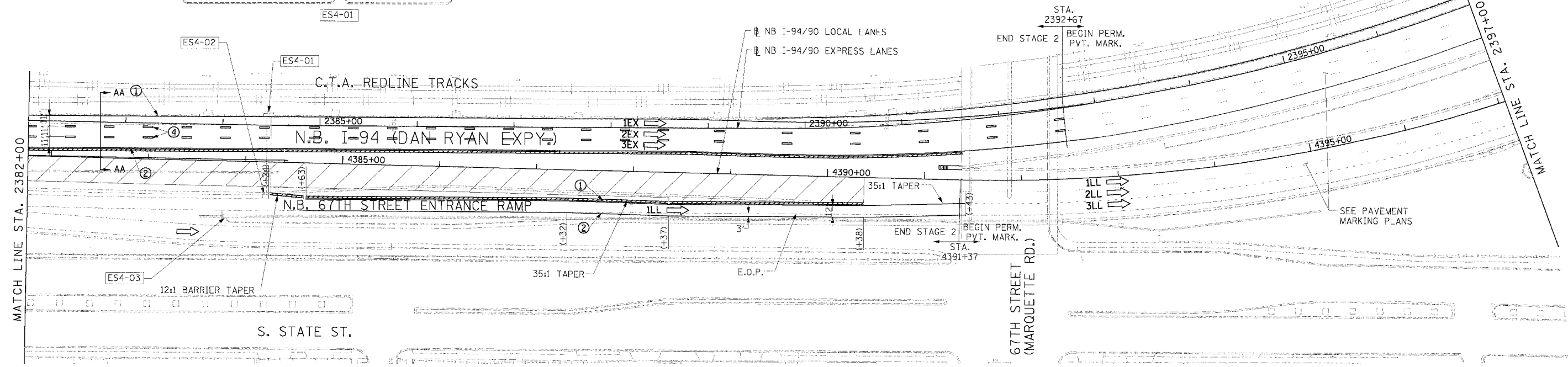
90 94 LOCAL
ALL EXITS
 RIGHT 2 LANES

EXIT 59B

ES4-01, ES4-02, ES4-03

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	106
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62300 • (1818, ETC. 2324.6-1P/R-8)



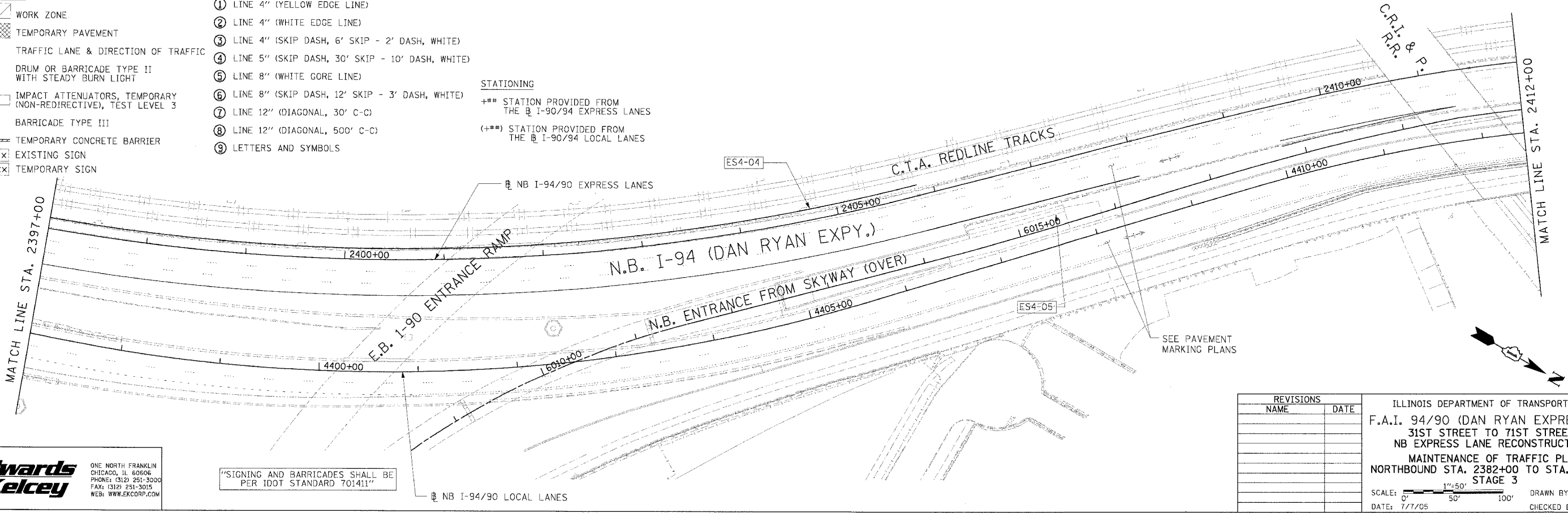
NOTE:
 ALL PAVEMENT MARKINGS ON THIS SHEET ARE PAVEMENT MARKING TAPE, TYPE III UNLESS OTHERWISE NOTED.

- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT
 - TRAFFIC LANE & DIRECTION OF TRAFFIC
 - DRUM OR BARRICADE TYPE II WITH STEADY BURN LIGHT
 - IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
 - BARRICADE TYPE III
 - TEMPORARY CONCRETE BARRIER
 - EXISTING SIGN
 - TEMPORARY SIGN
- ① LINE 4" (YELLOW EDGE LINE)
 - ② LINE 4" (WHITE EDGE LINE)
 - ③ LINE 4" (SKIP DASH, 6' SKIP - 2' DASH, WHITE)
 - ④ LINE 5" (SKIP DASH, 30' SKIP - 10' DASH, WHITE)
 - ⑤ LINE 8" (WHITE GORE LINE)
 - ⑥ LINE 8" (SKIP DASH, 12' SKIP - 3' DASH, WHITE)
 - ⑦ LINE 12" (DIAGONAL, 30' C-C)
 - ⑧ LINE 12" (DIAGONAL, 500' C-C)
 - ⑨ LETTERS AND SYMBOLS

STATIONING

*** STATION PROVIDED FROM THE NB I-90/94 EXPRESS LANES

(+**) STATION PROVIDED FROM THE NB I-90/94 LOCAL LANES



"SIGNING AND BARRICADES SHALL BE PER IDOT STANDARD 701411"

Edwards AND Kelcey

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

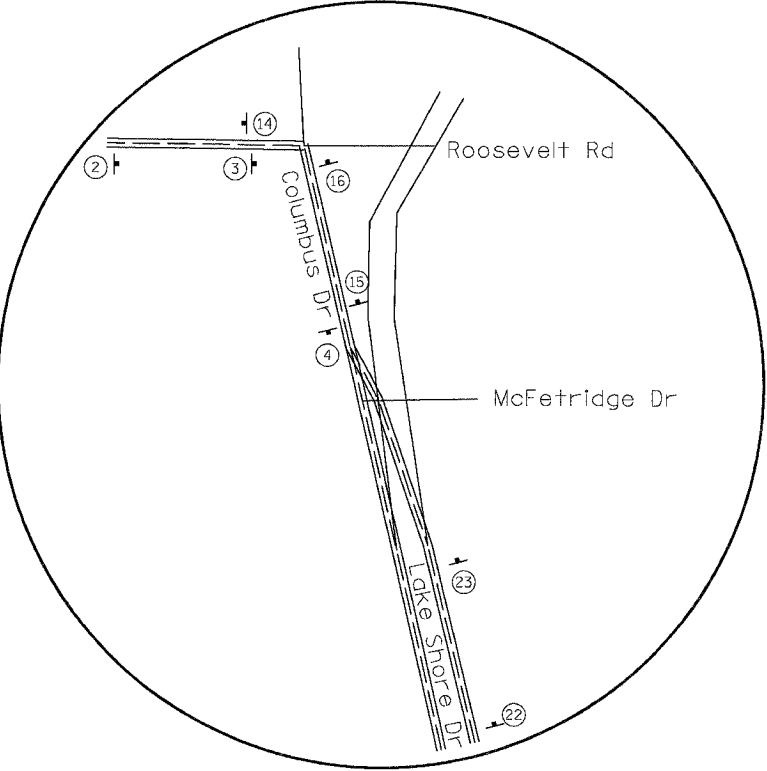
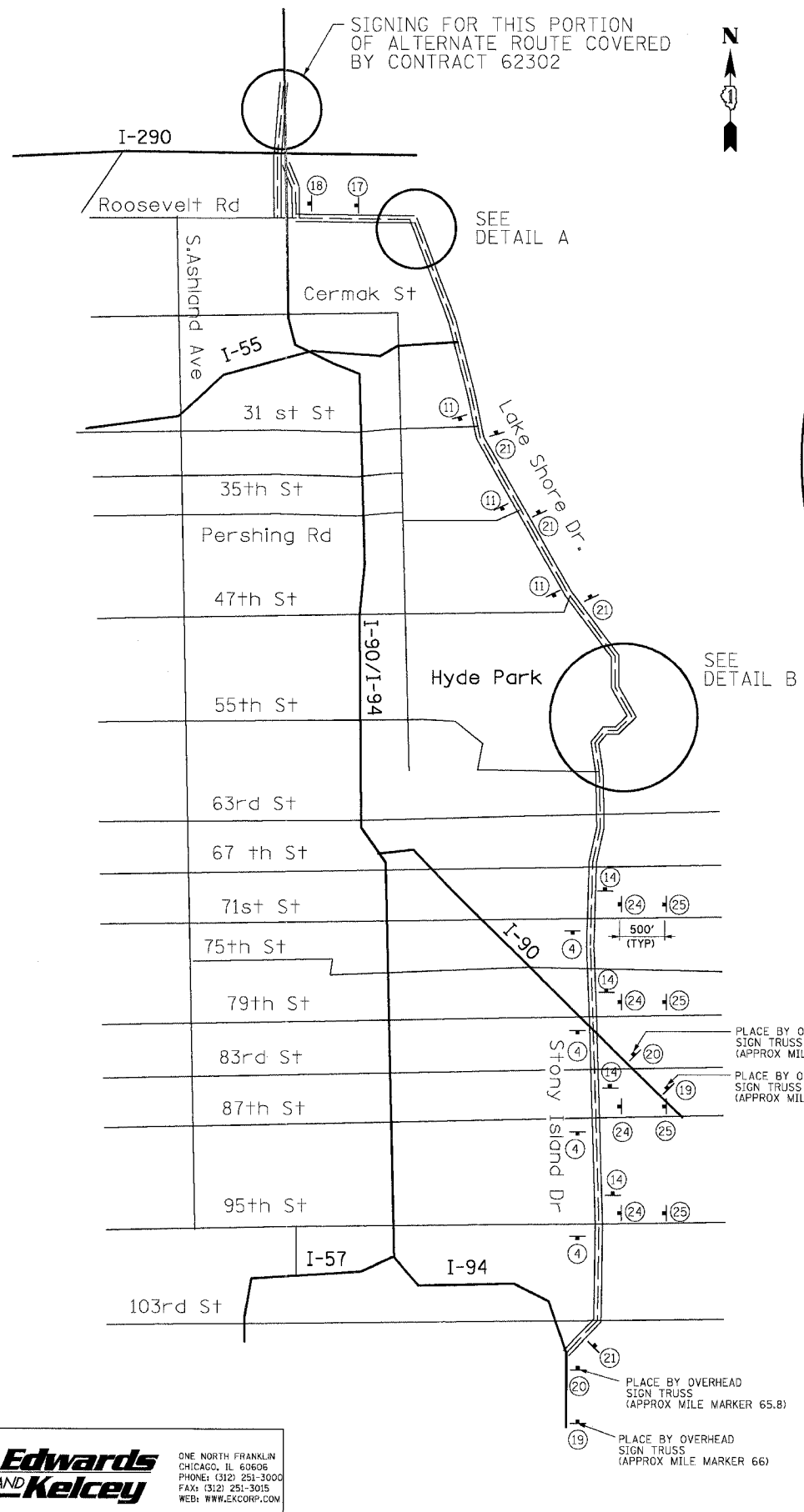
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC PLAN
 NORTHBOUND STA. 2382+00 TO STA. 2412+00
 STAGE 3

SCALE: 1"=50'
 DATE: 7/1/05

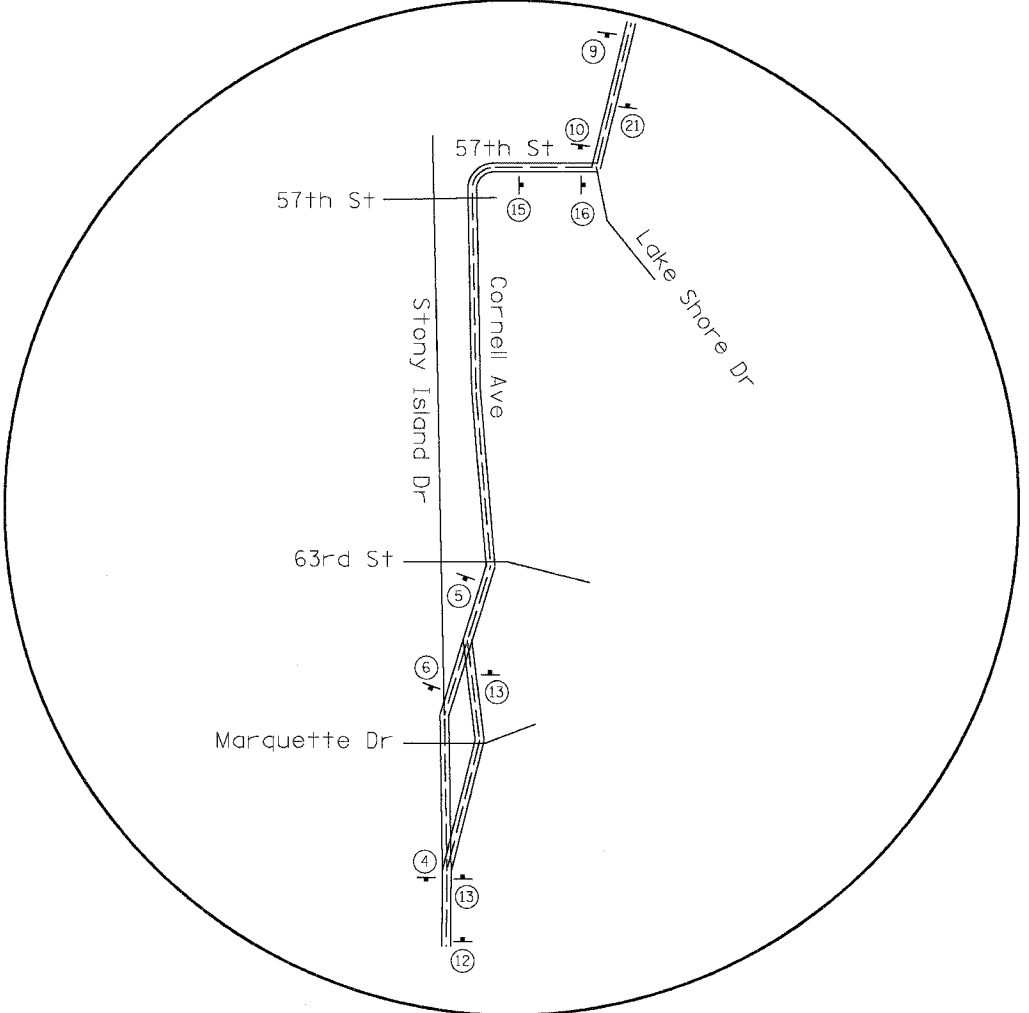
DRAWN BY: TAI
 CHECKED BY: PJM

PA 03/09/05 03:55 Con 48/15/C/ADD/14/INT/40/22687
 MOT-26
 06/24/2005 12:35:38 PM



DETAIL A

NOTE:
ALL SIGNING ON THIS SHEET IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE SIGNING.



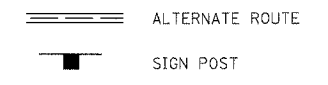
DETAIL B

QUANTITIES

SIGN TYPE	SIZE (FT)	NO. OF SIGNS	AREA (SQ. FT.)
M1-4a, M3-2 M3-4	2 x 1	80	160
M1-4a, M3-2 M3-4	2.5 x 1.25	32	106
NO TRUCKS	3 x 1	47	141
M1-1	2 x 2	80	320
M1-1	3 x 3	32	288
M6-1, M5-1, M6-3, M5-2, M6-2.	1.75 x 1.25	56	126

TOTAL = 1,121 SQ. FT.

LEGEND:



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 ALTERNATE ROUTE SIGNING PLAN

SCALE: NONE
 DATE: 7/7/05
 DRAWN BY: GG
 CHECKED BY: TAI

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	108
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	• (1818, ETC, 2324.6-IP1R-8			

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M5-1 (21x15)
 2

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M6-1 (21x15)
 3

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M6-3 (21x15)
 4

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M5-2 (21x15)
 5

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M6-2 (21x15)
 6

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M5-1 (21x15)
 9

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M6-1 (21x15)
 10

(36x12)
NO TRUCKS
 ALT EAST
 INTERSTATE 90
 INTERSTATE 94
 M6-3 (21x15)
 11

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M5-2 (21x15)
 12

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-2 (21x15)
 13

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-3 (21x15)
 14

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M5-1 (21x15)
 15

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-1 (21x15)
 16

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M5-1 (21x15)
 17

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-1 (21x15)
 18

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M5-2 (21x15)
 19

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-2 (21x15)
 20

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-3 (21x15)
 21

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M5-1 (21x15)
 22

(36x12)
NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 M6-1 (21x15)
 23

NO TRUCKS
 ALT WEST
 INTERSTATE 90
 INTERSTATE 94
 ↑

Orange Reflective Background With Black Border and Text

(36x12)
 M4-1a (24x12)
 M3-2 (24x12)
 M1-1 (24x24)
 M1-1 (24x24)
 M6-1 (21x15)

NO TRUCKS
 ALT ALT
 EAST WEST
 INTERSTATE 90 INTERSTATE 90
 INTERSTATE 94 INTERSTATE 94
 ← →

(36x12)
 M4-1a (24x12)
 M3-4 (24x12)
 M1-1 (24x24)
 M1-1 (24x24)
 M5-1 (21x15)

NO TRUCKS
 ALT ALT
 EAST WEST
 INTERSTATE 90 INTERSTATE 90
 INTERSTATE 94 INTERSTATE 94
 ↙ ↘

NOTE:
 ALL SIGNING ON THIS SHEET IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION FOR ALTERNATE ROUTE SIGNING.

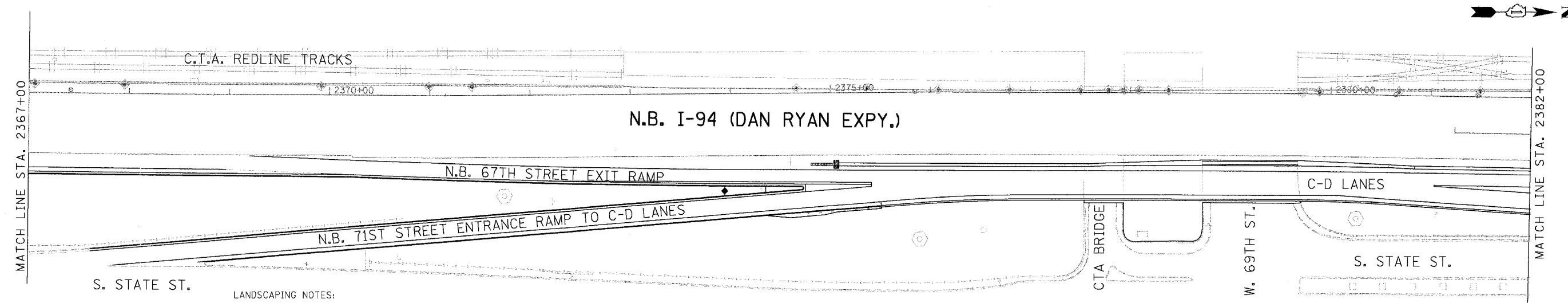
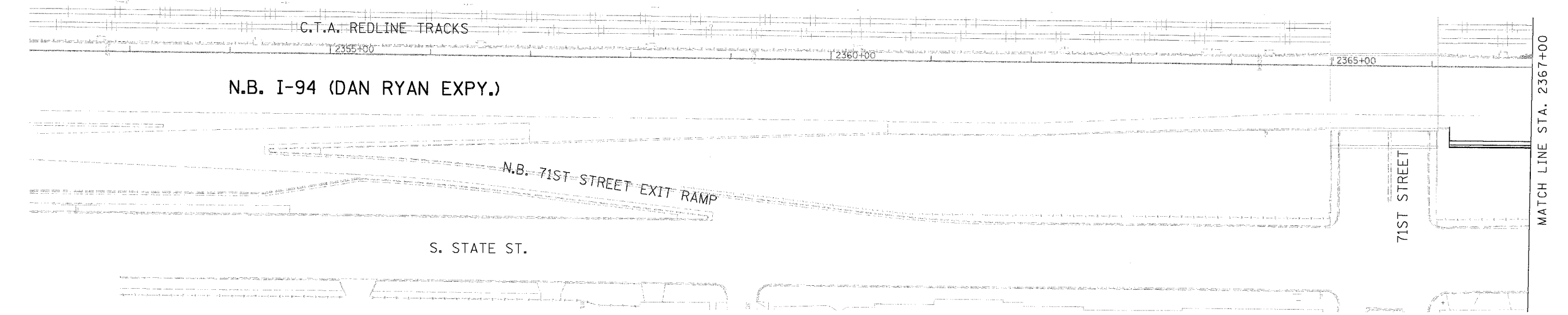
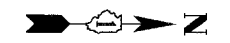
Edwards AND Kelcey
 ONE NORTH FRANKLIN CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

MOT-28
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 ALTERNATE ROUTE SIGNING PLAN
 SCALE: NONE
 DATE: 7/7/05
 DRAWN BY: GG
 CHECKED BY: TAI

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	109
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	CB18, ETC, 2324.6-1PIR-8			



LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET
- SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 8"
COMPOST FURNISH AND PLACE, 4"
MULCH, METHOD 2
EROSION CONTROL BLANKET

LANDSCAPING NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN REJECTION OF SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
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EROSION CONTROL NOTES:

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH MAY POTENTIALLY CREATE CONDITIONS THAT ARE LIKELY TO ERODE.
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3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

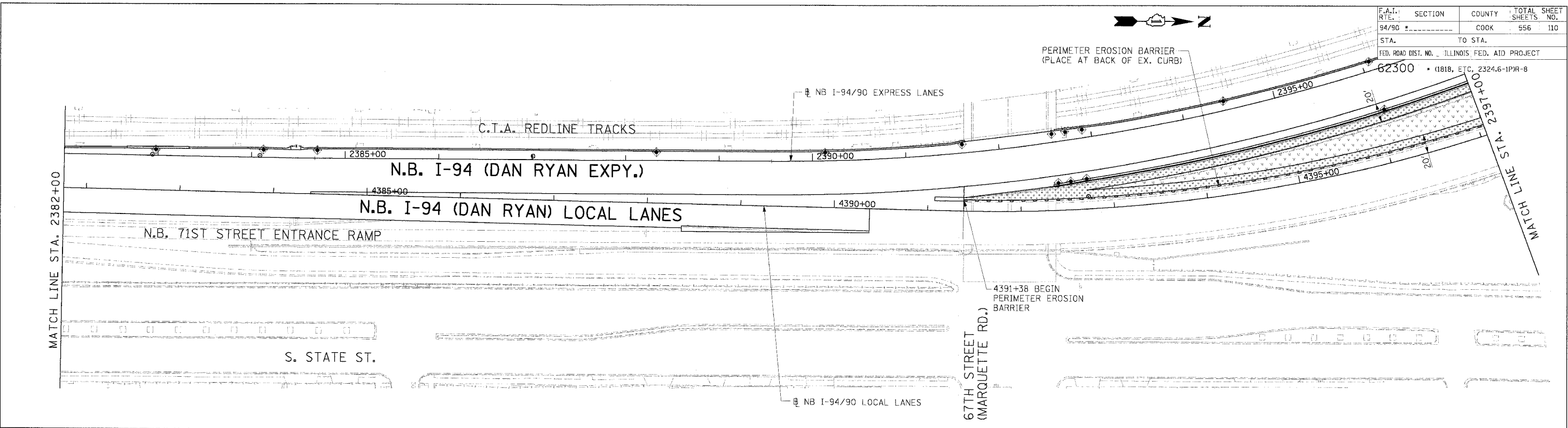
Edwards AND Kelcey
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 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 EROSION CONTROL
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2352+00 TO STA. 2382+00
 SCALE: 1"=50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

ERO-1
06/27/2005 07:25:59 PM

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	110
STA.	TO STA.	ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO. 1818, ETC. 2324.6-1PR-8			



LANDSCAPING NOTES:

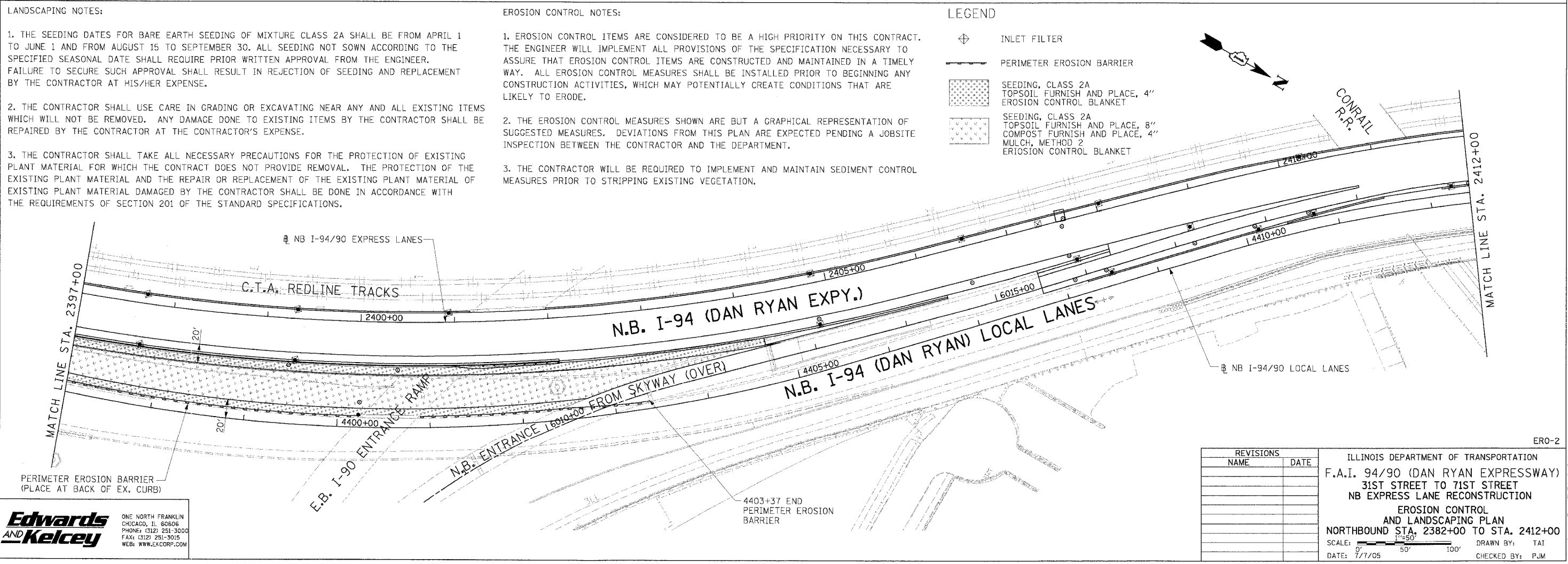
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3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" MULCH, METHOD 2 EROSION CONTROL BLANKET



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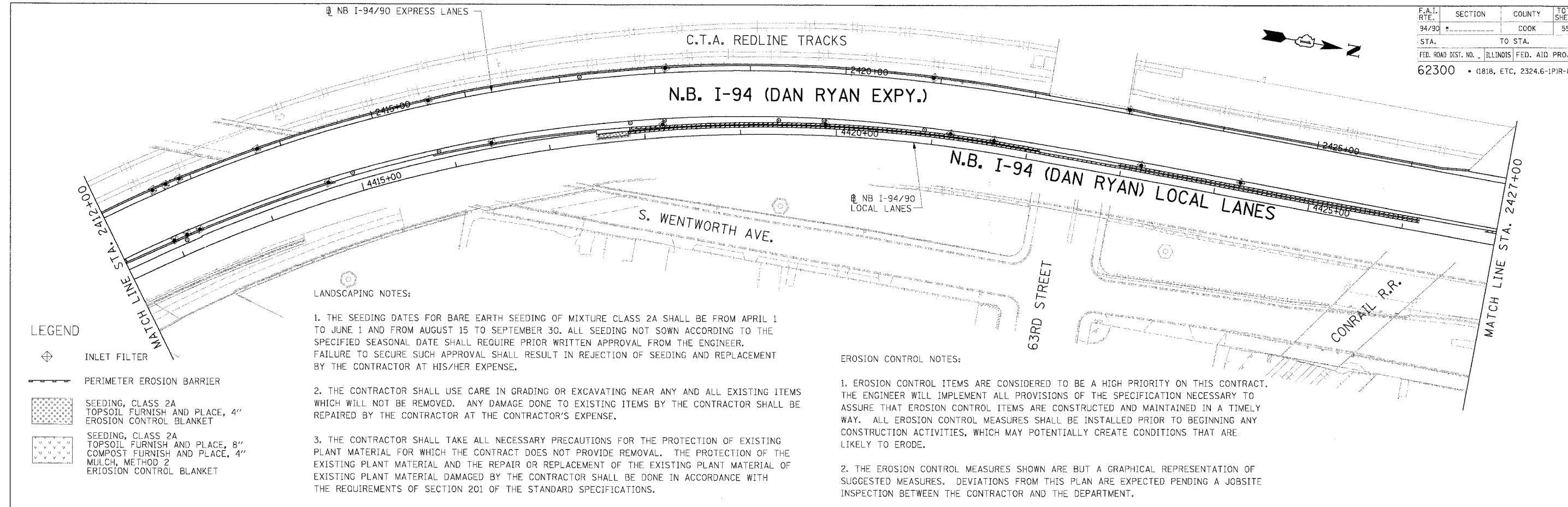
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2382+00 TO STA. 2412+00
 SCALE: 1" = 50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

ERO-2

06/27/2005 07:50:18 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	111
STA.	TO STA.		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
62300	1818, ETC. 2324.6-1PR-8			



LEGEND

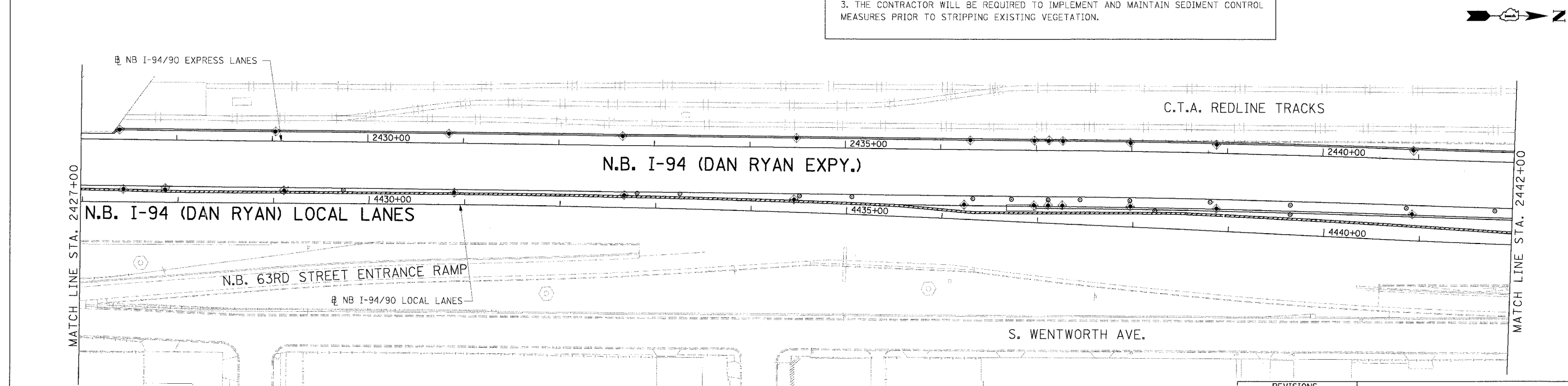
- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" MULCH, METHOD 2 EROSION CONTROL BLANKET

LANDSCAPING NOTES:

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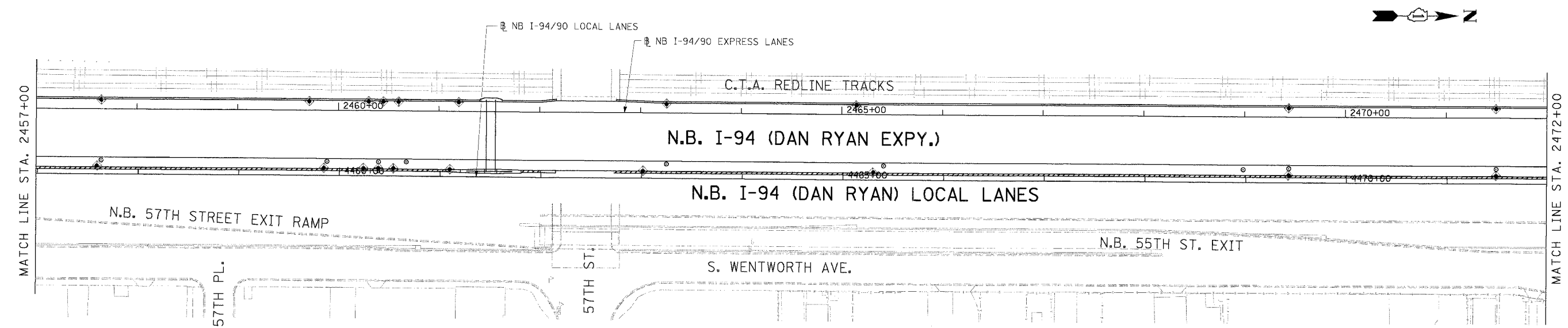
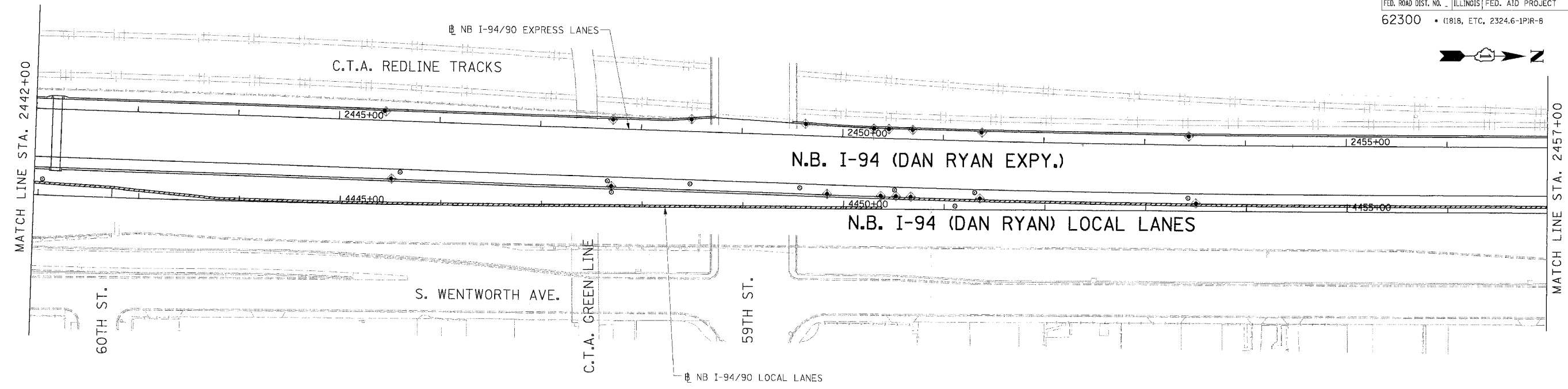
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 EROSION CONTROL
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2412+00 TO STA. 2442+00
 SCALE: 0' 1"=50' 100'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM





ERO-3

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	112
STA.	TO STA.		FED. ROAD DIST. NO.	
62300	ILLINOIS		FED. AID PROJECT	
1818, ETC, 2324.6-1PIR-B				



LEGEND

-  INLET FILTER
-  PERIMETER EROSION BARRIER
-  SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET
-  SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 8"
COMPOST FURNISH AND PLACE, 4"
MULCH, METHOD 2
EROSION CONTROL BLANKET

LANDSCAPING NOTES:

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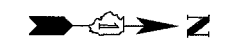
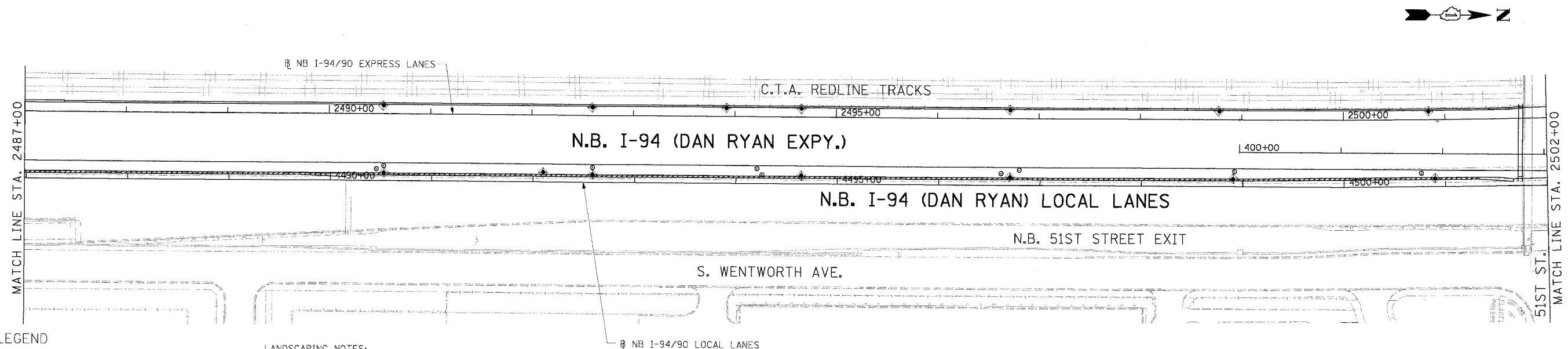
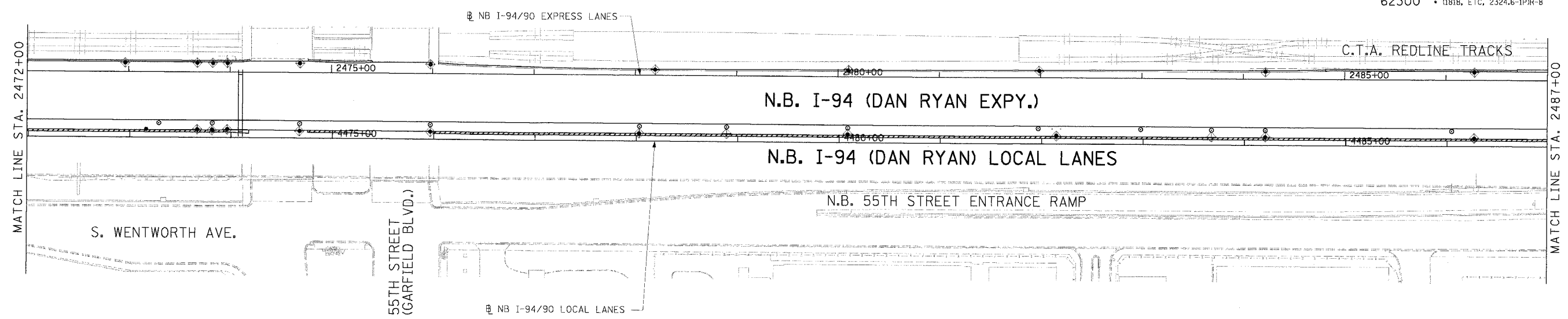
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
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 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 EROSION CONTROL
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2442+00 TO STA. 2472+00
 SCALE: 1"=50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

ERO-4
 06/21/2005 07:54:27 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	113
STA.	TO STA.		FED. ROAD DIST. NO.	
62300	1818, ETC, 2324.6-IPR-8		ILLINOIS FED. AID PROJECT	



LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 8" COMPOST FURNISH AND PLACE, 4" MULCH, METHOD 2 EROSION CONTROL BLANKET

LANDSCAPING NOTES:

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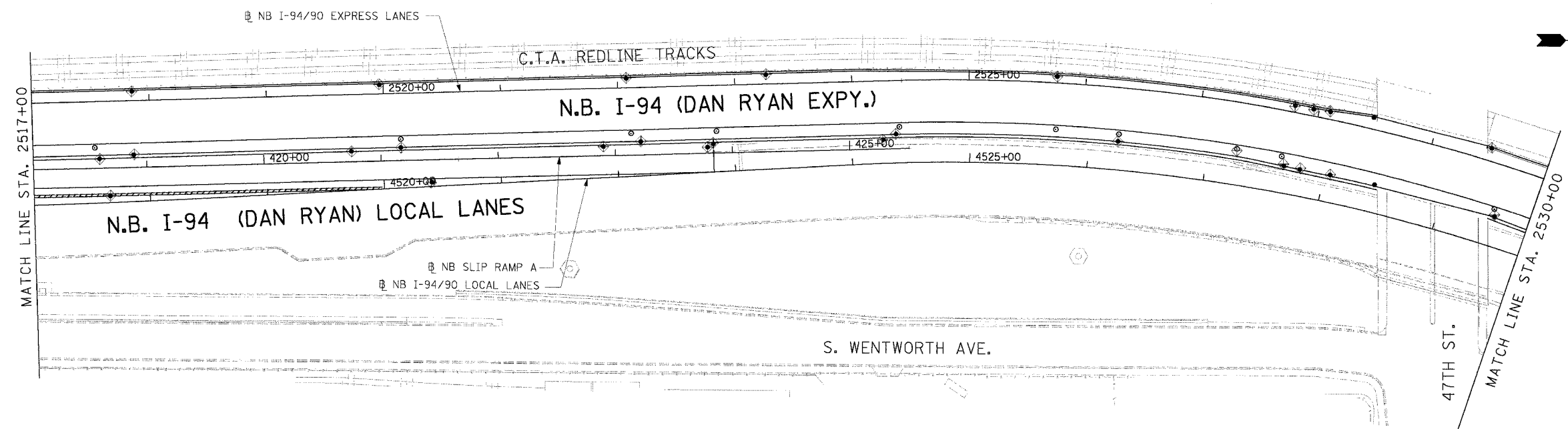
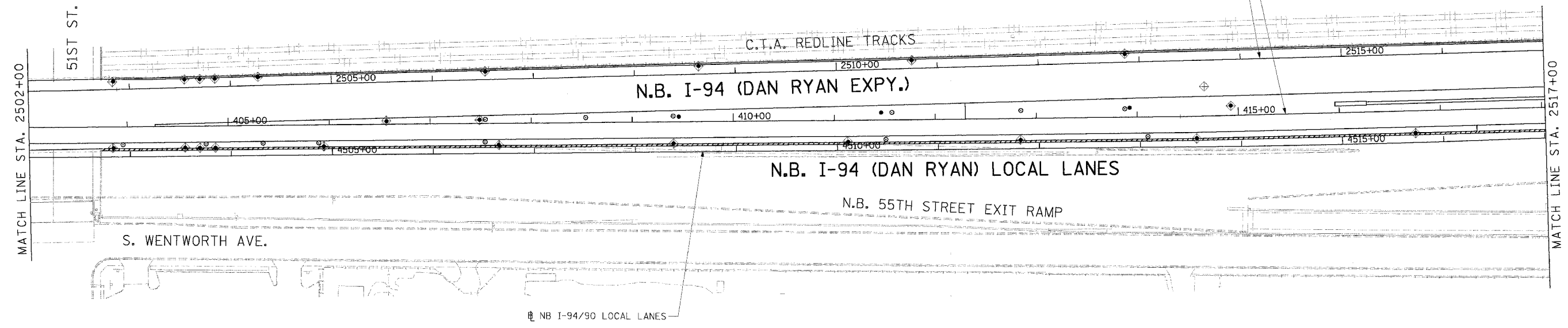
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 EROSION CONTROL
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2472+00 TO STA. 2502+00
 SCALE: 1"=50'
 DATE: 7/7/05
 DRAWN BY: TAI
 CHECKED BY: PJM

ERO-5
06/27/2005 07:31:51 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	114
STA.	TO STA.			
62300	181B, ETC, 2324.6-1PIR-8			



LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET
- SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 8"
COMPOST FURNISH AND PLACE, 4"
MULCH, METHOD 2
EROSION CONTROL BLANKET

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REVISIONS	
NAME	DATE

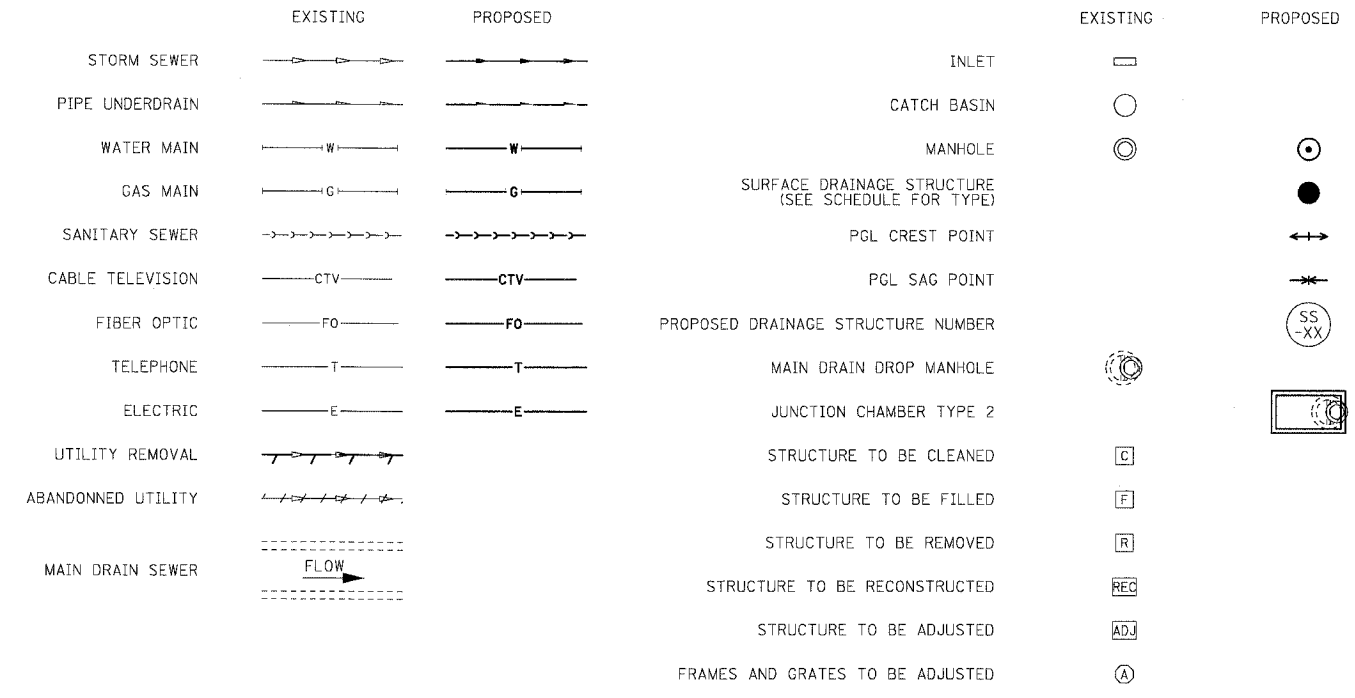
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 EROSION CONTROL
 AND LANDSCAPING PLAN
 NORTHBOUND STA. 2502+00 TO STA. 2530+00
 SCALE: 0' 50' 100'
 DATE: 7/7/05
 DRAWN BY:
 CHECKED BY:

ERO-6
 06/27/2005 07:30:16 PM

DRAINAGE & UTILITIES NOTES:

- THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR MUST CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY IMPACT THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE MUST BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION MUST BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ANY AND ALL SURFACE AND UNDERGROUND UTILITIES, EVEN THOUGH THEY MAY NOT BE IDENTIFIED ON THE PLANS.
- 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 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS 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.
- THE CONTRACTOR MUST MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR MUST PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR MUST PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR MUST PROVIDE AND MAINTAIN A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- WHEN, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN DRAINAGE STRUCTURES AND THE FLOW OF WATER IS OBSTRUCTED, IT MUST BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) MUST BE FREE OF ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR MUST PROTECT THE EXISTING MAIN DRAIN DROP MANHOLES FROM THE ENTRY OF ANY LOOSE MATERIAL AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR MUST PROTECT NEW DRAINAGE STRUCTURES FROM THE ENTRY OF ERODED SOILS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED UNDER PREVIOUS CONTRACTS IS BASED ON CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST FIELD VERIFY LOCATIONS OF PREVIOUS CONSTRUCTION.
- STORM SEWER PLUGS MUST BE INCLUDED IN THE COST OF THE ASSOCIATED PIPE REMOVAL ITEMS AND WILL NOT BE PAID SEPARATELY.
- 'PIPE UNDERDRAINS 6" (SPECIAL)' WILL BE USED TO CONNECT TO DRAINAGE STRUCTURES.
- THE CONTRACTOR MUST ENSURE POSITIVE DRAINAGE TO ALL INLETS, CATCHBASINS, AND OPEN MANHOLES.
- GRATES MUST BE INSTALLED WITH THE VANES ORIENTED AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL TEMPORARY OR PERMANENT CONNECTIONS OF SEWERS AND UNDERDRAINS TO PROPOSED AND EXISTING DRAINAGE STRUCTURES, INCLUDING ANY NEW HOLES REQUIRED IN THE DRAINAGE STRUCTURE, MUST BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED STORM SEWER OR PIPE UNDERDRAIN ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- STATION AND OFFSET VALUES GIVEN FOR EXISTING STRUCTURES REPRESENT THE APPROXIMATE CENTER OF THE EXISTING CASTING.
- DRAINAGE REMOVALS IN THE VICINITY OF THE CTA ARE SHOWN BASED ON RECORD DRAWINGS AND SURVEY WHERE AVAILABLE. ALL EXISTING ACTIVE DRAINAGE CONNECTIONS FROM THE CTA MUST BE MAINTAINED. ALL ACTIVE DRAINAGE CONNECTIONS FROM THE CTA DISCOVERED DURING CONSTRUCTION MUST BE MAINTAINED AS DIRECTED BY THE ENGINEER. MAINTENANCE OF ANY ACTIVE DRAINAGE CONNECTIONS FROM THE CTA THAT ARE DISCOVERED DURING CONSTRUCTION WILL NOT BE PAID SEPARATELY, BUT MUST BE INCLUDED IN THE COST OF THE ASSOCIATED DRAINAGE REMOVAL ITEMS.

DRAINAGE & UTILITIES LEGEND:



SUMMARY OF SPECIAL DRAINAGE STRUCTURES

ITEM	STRUCTURE NUMBER	TYPE	STATION	OFFSET
MAIN DRAIN DROP MANHOLE, NO. 1	DMH 3-01	PROPOSED DROP MANHOLE	2380+11	1' RT
JUNCTION CHAMBER, NO. 1	JC 4-01	JUNCTION CHAMBER TYPE 1	2387+01	4' LT
MAIN DRAIN DROP MANHOLE, NO. 2	DMH 5-01	PROPOSED DROP MANHOLE	2391+41	8' LT
MAIN DRAIN DROP MANHOLE, NO. 3	DMH 6-01	PROPOSED DROP MANHOLE	2398+63	2' LT
JUNCTION CHAMBER, NO. 2	JC 7-01	JUNCTION CHAMBER TYPE 1	2407+35	3' LT
MAIN DRAIN DROP MANHOLE, NO. 4	DMH 8-01	PROPOSED DROP MANHOLE	2411+68	4' LT
MAIN DRAIN DROP MANHOLE, NO. 5	DMH 9-01	PROPOSED DROP MANHOLE	2417+25	4' RT
JUNCTION CHAMBER, NO. 3	JC 10-01	JUNCTION CHAMBER TYPE 2	2423+23	2' LT
JUNCTION CHAMBER, NO. 4	JC 11-01	JUNCTION CHAMBER TYPE 2	2429+82	4' LT
JUNCTION CHAMBER, NO. 5	JC 13-01	JUNCTION CHAMBER TYPE 2	2437+54	8' LT
JUNCTION CHAMBER, NO. 6	JC 14-01	JUNCTION CHAMBER TYPE 2	2445+54	16' LT
JUNCTION CHAMBER, NO. 7	JC 15-01	JUNCTION CHAMBER TYPE 2	2450+62	8' LT
JUNCTION CHAMBER, NO. 8	JC 17-01	JUNCTION CHAMBER TYPE 2	2460+76	8' LT
JUNCTION CHAMBER, NO. 9	JC 17-02	JUNCTION CHAMBER TYPE 2	2465+33	7' LT
JUNCTION CHAMBER, NO. 10	JC 22-01	JUNCTION CHAMBER TYPE 2	2494+18	5' LT
JUNCTION CHAMBER, NO. 11	JC 25-01	JUNCTION CHAMBER TYPE 2	2510+45	6' LT
JUNCTION CHAMBER, NO. 12	JC 26-01	JUNCTION CHAMBER TYPE 2	2517+50	7' LT
JUNCTION CHAMBER, NO. 13	JC 27-01	JUNCTION CHAMBER TYPE 2	2522+92	5' LT

SEE STRUCTURAL DRAWINGS FOR DETAILS OF EXISTING MAIN DRAIN DROP MANHOLES AND PROPOSED JUNCTION CHAMBERS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE NOTES & LEGEND

SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DN-01
12/16/01 FM
06/28/2005

EXISTING DRAINAGE STRUCTURE SCHEDULE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	116
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1PR-8		

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2368+65	5 LT	1					
2368+74	3 LT		1				
2368+74	6 LT		1				
2368+74	51 RT		1				
2369+87	5 LT		1				
2370+50	5 LT	1					
2370+59	3 LT		1				
2370+58	6 LT		1				
2371+00	6 LT	1					
2372+39	1 LT		1				
2372+39	4 LT		1				
2372+75	4 LT	1					
2373+92	4 LT		1				
2374+91	3 LT		1				
2375+64	1 LT	1					
2375+74	5 RT	1					
2375+74	55 RT			1			
2376+01	1 LT		1				
2377+98	6 RT	1					
2378+24	1 LT	1					
2379+85	0	1					
2379+85	6 RT	1					
2379+85	55 RT			1			
2381+31	3 LT		1				
2381+43	4 LT		1				
2381+48	3 LT	1					
2381+46	52 RT			1			
2383+07	6 LT		1				
2383+22	52 RT			1			
2383+31	5 LT		1				
2384+57	7 LT	1					
2384+77	7 LT		1				
2385+98	52 RT	1					
2386+32	1 LT		1				
2387+00	2 LT	1					
2387+30	60 RT		1				
2388+98	8 LT		1				
2389+80	8 LT		1				
2390+60	8 LT		1				
2391+10	45 RT	1					
2391+28	10 LT	1					
2391+35	12 LT		1				
2391+38	2 LT		1				
2391+38	45 RT	1					
2392+80	5 LT	1					
2393+00	5 LT	1					
2383+10	8 LT		1				
2393+10	4 LT	1					
2393+48	2 LT		1				
2394+30	8 LT		1				
2394+36	8 LT	1					
2394+36	2 LT		1				
2395+35	8 LT		1				
2396+30	8 LT		1				
2397+10	8 LT		1				
2397+15	8 LT	1					
2397+15	2 LT	1					
2397+15	65 RT		1				
2397+20	60 RT			1			
2397+50	10 LT	1					
2398+48	8 LT		1				
2398+48	2 LT		1				
2399+14	8 LT	1					
2399+32	10 LT	1					
2399+37	8 LT		1				

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2401+68	5 LT	1					
2402+32	8 LT		1				
2402+32	3 LT		1				
2403+08	8 LT		1				
2403+08	1 LT		1				
2403+28	6 LT	1					
2403+78	7 LT		1				
2403+78	1 LT		1				
2404+55	6 LT	1					
2404+55	0		1				
2405+25	5 LT		1				
2405+73	2 RT	1					
2405+83	3 LT		1				
2406+58	3 LT		1				
2407+36	40 RT		1				
2407+44	2 LT	1					
2408+68	3 LT	1					
2408+68	48 RT		1				
2409+91	4 LT	1					
2409+91	40 RT		1				
2410+31	0		1				
2410+56	55 RT			1			
2410+76	57 RT			1			
2411+75	48 RT	1					
2412+00	50 RT	1					
2412+08	7 RT	1					
2412+07	10 RT	1					
2412+11	41 RT		1				
2412+60	53 RT	1					
2412+73	53 RT	1					
2413+00	53 RT	1					
2413+20	2 LT	1					
2413+20	42 RT			1			
2414+95	5 LT		1				
2415+60	52 RT	1					
2415+79	58 RT			1			
2416+04	3 LT	1					
2416+38	38 RT			1			
2417+14	38 RT			1			
2417+17	52 RT	1					
2417+20	3 LT		1				
2417+25	45 RT	1					
2417+40	3 LT	1					
2417+90	3 LT	1					
2418+05	54 RT	1					
2418+27	39 RT			1			
2418+35	0	1					
2418+42	5 LT		1				
2418+45	2 RT		1				
2419+19	38 RT			1			
2419+30	43 RT	1					
2419+68	2 LT	1					
2420+15	40 RT			1			
2420+83	2 LT	1					
2421+17	38 RT			1			
2421+32	3 LT	1					
2422+02	53 RT	1					
2422+07	3 LT	1					
2423+22	41 RT		1				
2423+27	2 LT		1				
2423+27	5 RT		1				
2423+27	50 RT		1				
2424+28	1 LT	1					
2424+28	46 RT	1					

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2424+35	2 LT		1				
2424+35	50 RT		1				
2426+04	45 RT	1					
2426+12	50 RT		1				
2426+17	42 RT		1				
2426+43	3 LT		1				
2426+43	2 RT		1				
2427+85	4 LT	1					
2427+90	45 RT	1					
2429+62	5 LT		1				
2429+67	48 RT		1				
2429+75	44 RT	1					
2431+40	42 RT		1				
2431+45	5 LT		1				
2433+20	41 RT	1					
2433+26	6 LT		1				
2433+26	45 RT		1				
2433+35	52 RT			1			
2435+05	6 LT		1				
2435+06	43 RT		1				
2435+06	52 RT			1			
2435+08	40 RT	1					
2435+17	48 RT			1			
2436+73	8 LT		1				
2436+73	44 RT		1				
2436+73	52 RT			1			
2436+85	42 RT	1					
2436+85	50 RT			1			
2437+35	8 LT		1				
2437+44	43 RT		1				
2437+54	40 RT	1					
2437+55	52 RT			1			
2437+65	48 RT			1			
2438+18	38 RT	1					
2438+22	10 LT		1				
2438+25	42 RT		1				
2438+25	52 RT			1			
2438+24	48 RT			1			
2439+74	36 RT	1					
2439+80	11 LT		1				
2439+80	40 RT		1				
2440+01	48 RT			1			
2440+11	44 RT			1			
2440+89	33 RT	1					
2441+78	15 LT		1				
2441+78	35 RT		1				
2441+88	32 RT	1					
2442+00	42 RT			1			
2445+52	30 RT	1					
2445+63	16 LT		1				
2445+63	11 LT		1				
2446+21	28 RT			1			
2446+21	33 RT			1			
2447+05	12 LT	1					
2447+70	6 LT		1				
2447+71	53 RT	1					
2447+75	10 LT	1					
2447+80	62 RT		1				
2447+82	12 LT		1				
2448+64	9 LT	1					
2449+80	50 RT		1				
2449+85	2 LT		1				
2449+85	8 LT		1				
2449+93	7 LT	1					
2450+42	9 LT		1				

Edwards AND Kelcey
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NOTE:
 OFFSET FOR DRAINAGE STRUCTURES IS
 TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULE
EXISTING DRAINAGE STRUCTURE REMOVAL
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJO
 CHECKED BY: LPN

DS-1

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EXISTING DRAINAGE STRUCTURE SCHEDULE

F.A.I. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	117
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		1818, ETC, 2324.6-1PR-8		

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2450+47	9 LT		1				
2450+55	53 RT	1					
2451+08	52 RT	1					
2451+14	7 LT		1				
2451+14	56 RT		1				
2453+45	50 RT	1					
2453+50	8 LT		1				
2453+50	55 RT		1				
2457+60	7 LT		1				
2457+60	55 RT		1				
2457+64	52 RT	1					
2459+88	8 LT		1				
2459+88	55 RT		1				
2459+92	52 RT	1					
2460+45	7 LT		1				
2460+45	55 RT		1				
2460+57	8 LT		1				
2460+70	52 RT	1					
2461+02	52 RT	1					
2461+10	8 LT		1				
2461+10	55 RT		1				
2462+94	8 LT		1				
2463+09	52 RT	1					
2463+56	6 LT	1					
2463+68	52 RT	1					
2465+20	8 LT		1				
2465+37	57 RT		1				
2465+42	52 RT	1					
2468+95	7 LT		1				
2468+99	57 RT		1				
2469+11	52 RT	1					
2471+03	7 LT		1				
2471+20	52 RT	1					
2473+16	7 LT		1				
2473+37	52 RT	1					
2473+73	5 LT	1					
2473+80	9 LT		1				
2473+80	57 RT		1				
2476+08	10 LT	1					
2476+60	5 LT		1				
2476+60	55 RT		1				
2476+68	5 LT	1					
2476+68	52 RT	1					
2478+10	52 RT	1					
2478+86	3 LT		1				
2478+99	52 RT	1					
2480+00	5 LT		1				
2481+33	3 LT	1					
2481+72	54 RT	1					
2482+00	2 LT		1				
2482+00	63 RT	1					
2482+35	5 LT	1					
2482+98	52 RT		1				
2483+18	5 LT		1				
2483+63	52 RT	1					
2483+70	57 RT		1				
2485+01	6 LT		1				
2485+99	53 RT	1					
2486+03	7 LT		1				
2489+83	7 LT		1				
2491+07	5 LT	1					
2492+11	57 RT		1				
2492+12	7 LT		1				
2492+20	52 RT	1					
2493+91	4 LT	1					

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2494+22	54 RT	1					
2494+30	55 RT		1				
2494+40	7 LT		1				
2496+63	7 LT		1				
2496+63	57 RT		1				
2496+71	52 RT	1					
2498+85	7 LT		1				
2498+90	57 RT		1				
2499+01	52 RT	1					
2500+72	52 RT	1					
2500+88	7 LT		1				
2500+88	2 LT		1				
2500+92	56 RT		1				
2502+88	7 LT		1				
2502+93	55 RT	1					
2503+68	57 RT		1				
2503+72	7 LT		1				
2503+73	52 RT	1					
2504+27	7 LT		1				
2504+31	57 RT		1				
2504+35	7 LT		1				
2504+44	52 RT	1					
2504+44	62 RT			1			
2507+34	7 LT		1				
2509+00	7 LT		1				
2509+01	67 RT	1					
2510+86	7 LT		1				
2511+00	3 LT	1					
2511+00	41 RT			1			
2511+00	50 RT			1			
2511+07	44 RT	1					
2511+72	50 RT	1					
2511+79	55 RT			1			
2512+89	7 LT		1				
2513+00	62 RT			1			
2513+04	56 RT	1					
2513+84	6 LT	1					
2514+35	66 RT			1			
2516+91	67 RT			1			
2517+33	8 LT		1				
2517+46	40 RT	1					
2517+57	45 RT		1				
2517+62	67 RT			1			
2519+38	65 RT			1			
2520+32	45 RT		1				
2520+38	40 RT	1					
2520+38	63 RT			1			
2520+44	7 LT		1				
2521+70	60 RT			1			
2521+75	41 RT	1					
2522+73	7 LT		1				
2522+73	46 RT		1				
2522+73	57 RT			1			
2522+86	40 RT	1					
2524+28	7 LT	1					
2524+28	45 RT	1					
2525+75	6 LT	1					
2525+75	36 RT			1			
2526+85	6 LT	1					
2527+36	38 RT	1					
2527+65	42 RT	1					
2528+14	7 LT		1				
2528+14	37 RT			1			
2528+20	42 RT	1					
2529+74	4 LT	1					

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NOTE:
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 TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 EXISTING DRAINAGE STRUCTURE REMOVAL
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJO
 CHECKED BY: LPN

DS-2

06/27/2005 07:36:10 PM

EXISTING DRAINAGE STRUCTURES

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2598+69.4	4.3' LT	1					
2598+76.6	7.5' LT					1	
2600+28.8	58.2' RT		1				
2600+29.1	66.9' RT						1
2600+19.3	3.4' LT	1					
2600+19.1	10.8' LT	1					
2600+28.5	7.8' LT		1				
2602+08.7	58.2' RT		1				
2602+08.8	67.0' RT						1
2601+99.6	52.4' RT	1					
2601+99.4	3.4' LT	1					
2602+08.8	7.5' LT		1				
2602+16.9	7.9' LT				1		
2604+08.8	57.9' RT		1				
2604+09.1	67.1' RT						1
2603+99.5	51.9' RT	1					
2603+99.5	4.2' LT	1					
2604+09.0	7.6' LT		1				
2606+11.2	58.3' RT		1				
2606+09.2	67.1' RT						1
2606+00.0	52.7' RT	1					
2606+00.0	3.6' LT	1					
2606+09.8	7.6' LT		1				
2606+15.3	7.8' LT				1		
2607+41.9	58.0' RT		1				
2607+39.6	67.2' RT						1
2607+30.1	51.9' RT	1					
2607+29.7	3.6' LT	1					
2607+35.2	7.6' LT		1				
2607+61.9	7.7' LT				1		
2607+71.1	56.3' RT	1					
2607+99.4	7.8' LT				1		
2604+15.1	7.9' LT				1		
2608+32.2	58.2' RT		1				
2608+21.9	58.1' RT		1				
2608+09.8	52.4' RT	1					
2608+09.8	3.6' LT	1					
2608+31.9	7.5' LT		1				
2608+15.4	7.5' LT		1				
2609+68.7	58.1' RT		1				
2609+70.3	66.9' RT						1
2609+79.8	55.6' RT	1					
2609+79.8	4.2' LT	1					
2609+70.0	0.9' LT					1	

EXISTING DRAINAGE STRUCTURES

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2610+14.0	2.8' LT					1	
2611+14.4	4.7' LT				1		
2611+75.6	57.9' RT		1				
2611+75.7	67.2' RT						1
2611+66.7	54.2' RT	1					
2611+67.0	2.0' LT	1					
2611+78.9	1.9' LT					1	
2613+00.3	2.9' LT				1		
2613+89.8	58.0' RT		1				
2613+88.9	66.8' RT						1
2613+79.3	55.0' RT				1		
2613+79.6	2.9' LT				1		
2614+07.4	3.8' LT					1	
2617+36.3	58.2' RT		1				
2617+37.8	66.5' RT						1
2617+47.3	54.4' RT	1					
2617+47.6	4.0' LT	1					
2617+16.1	4.2' LT					1	
2615+72.7	2.3' LT				1		
2618+39.6	2.5' LT				1		
2619+54.5	57.9' RT		1				
2619+55.0	67.0' RT						1
2619+65.2	54.6' RT	1					
2619+65.1	4.9' LT	1					
2619+45.9	5.9' LT		1				
2620+76.3	2.4' LT				1		
2621+70.1	1.0' LT		1				
2621+61.2	2.4' LT					1	
2621+69.7	58.0' RT		1				
2621+70.0	66.7' RT						1
2621+80.2	54.8' RT	1					
2620+99.9	54.9' RT				1		
2622+99.7	57.8' RT		1				
2623+04.5	66.7' RT						1
2623+06.9	57.7' RT		1				
2623+16.6	50.8' RT	1					
2623+21.5	7.3' LT		1				
2623+14.3	6.2' LT	1					
2623+00.1	8.1' LT	1					
2622+95.3	1.2' LT			1			
2623+04.8	1.1' LT		1				
2624+41.1	57.7' RT		1				
2624+40.9	66.7' RT						1
2624+29.9	51.9' RT	1					
2624+40.9	1.3' LT		1				

EXISTING DRAINAGE STRUCTURES

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2624+25.0	7.9' LT			1			
2624+28.6	3.1' LT	1					
2625+03.1	4.4' LT				1		
2626+66.9	58.5' RT		1				
2626+66.1	66.6' RT						1
2626+50.5	51.9' RT	1					
2626+62.4	7.8' LT					1	
2626+51.1	5.0' LT	1					
2626+77.3	6.5' LT				1		
2628+98.6	6.7' LT				1		
2630+78.3	6.4' LT				1		
2630+96.9	8.0' LT		1				
2630+97.4	57.8' RT		1				
2630+96.9	67.0' RT						1
2631+08.1	51.7' RT	1					
2632+54.0	7.6' LT		1				
2632+48.9	57.8' RT		1				
2532+52.4	66.8' RT						1
2632+63.0	51.4' RT	1					
2632+76.3	6.3' LT				1		
2633+98.9	58.2' RT					1	
2634+05.4	57.8' RT		1				
2634+06.9	66.6' RT						1
2634+16.6	51.4' RT	1					
2634+08.6	8.1' LT		1				
2634+50.7	6.7' LT				1		
2634+96.9	8.1' LT					1	
2635+62.6	8.9' LT					1	
2635+62.5	2.1' LT					1	
2635+62.3	49.0' RT		1				
2635+66.6	56.4' RT					1	
2635+73.3	51.6' RT	1					
2636+56.8	11.2' LT					1	
2636+49.1	9.5' LT				1		
2636+43.1	10.0' LT		1				
2636+55.0	1.6' LT					1	
2636+64.5	50.8' RT	1					
2636+46.2	57.6' RT		1				
2636+54.6	57.8' RT		1				
2636+55.4	66.7' RT						1
2637+59.2	55.5' RT	1					
2637+50.7	57.5' RT		1				
2637+49.0	11.7' LT		1				
2637+51.0	66.6' RT						1

EXISTING DRAINAGE STRUCTURES

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	FILLING MANHOLES	FILLING CATCH BASINS	STRUCT TO BE CLEANED
2608+20.1	67.1' RT						1
2608+29.8	66.8' RT						1
TOTALS		210	265	47	37	32	50

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
EXISTING DRAINAGE STRUCTURES
SCALE: 1"=80'
DATE: 07/07/05
DRAWN BY:
CHECKED BY:

DS-04
06/28/2005 06:03:03 PM

EXISTING STORM SEWER SCHEDULE

F.A.I. SECTION COUNTY TOTAL SHEET SHEET
 94/90 * COOK 556 121
 STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 62300 * (1818, ETC, 2324.6-1)JR-B

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
2368+65	5	LT	2368+17	4'					45							14.6
2368+74	3	LT	2368+65	5		6										0
2368+74	6	LT	2368+65	5		6										0
2368+74	51	RT	2368+74	3		53										0
2369+87	5	LT	2368+65	5				115								33.7
2370+50	5	LT	2369+87	5			56									16.4
2370+58	6	LT	2370+50	5			5									1.3
2370+59	3	LT	2370+50	5			5									1.3
2371+00	6	LT	2370+58	6			35									0
2370+61	54	RT	2370+58	6			54									0
2372+39	1	LT	2372+56	7						13						2.8
2372+39	4	LT	2372+39	1		2										0.5
2372+75	4	LT	2372+56	7							15					8.4
2372+43	57	RT	2372+39	1							55					16.3
2375+64	1	LT	2372+75	4				283								134.9
2375+74	5	RT	2375+64	1			7									2.5
2375+74	55	RT	2375+74	5			47									15.7
2376+01	1	LT	2375+64	1				32								0
2377+98	53	RT	2377+98	6			45									17
2377+98	6	RT	2378+24	1			22									8.8
2378+24	1	LT	2379+85	0					164							95.7
2379+85	55	RT	2379+85	0			45									38.3
2379+85	0		2380+10	1						18						0
2381+48	3	LT	2380+11	2						128						0
2381+43	4	LT	2381+48	3					2							0
2381+48	52	RT	2381+43	4			52									16.2
2383+10	8	LT	2381+44	5						158						31.1
2383+22	52	RT	2383+10	8			53									13.5
2384+57	7	LT	2383+11	9					141							49.4
2384+77	7	LT	2384+57	7					9							0
2384+77	48	RT	2384+77	7		54										15.1
2386+10	83	RT	2385+98	52		33										9.2
2385+98	52	RT	2386+32	1			56									17.4
2386+32	1	LT	2386+75	8			39									14.3
2387+30	60	RT	2386+76	9		83										12.9
2388+98	80	RT	2388+98	8			86									8.6
2388+98	8	LT	2389+80	8			69									6.9
2389+80	8	LT	2390+60	8				84								7.2
2389+91	89	RT	2390+12	84			41									11.8
2390+60	8	LT	2391+28	10						63						1.9
2391+10	45	RT	2391+15	59			11									2
2391+38	45	RT	2391+38	2		48										0
2391+38	56	RT	2391+38	45		7										0
2392+80	5	LT	2391+38	10						131						0
2393+00	5	LT	2392+80	5						17						0
2393+09	49	RT	2393+10	4			50									0
2393+10	4	LT	2393+00	5		4										0
2394+30	8	LT	2393+01	6					131							0
2395+35	8	LT	2394+30	8		93										0
2396+30	8	LT	2397+10	8		102										6.3
2397+15	65	RT	2397+15	2			63									8.4
2397+10	8	LT	2398+48	2				123								12
2397+20	60	RT	2397+15	65		3										0.7
2399+14	8	LT	2398+48	2			41									44.4
2399+32	10	LT	2399+14	8			19									21.5
2400+64	77	RT	2401+00	0			83									101
2401+00	0		2401+68	5			60									72
2401+68	5	LT	2403+28	6				153								225.8
2402+32	3	LT	2402+32	8		5										5.9
2403+08	1	LT	2403+28	6		15										17.2
2403+28	6	LT	2403+78	7					48							79.1
2403+78	1	LT	2403+78	7		5										7
2403+78	7	LT	2405+83	3					201							312.7

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
2404+55	0		2404+55	6		5										6.9
2407+44	82	RT	2407+44	2			137									143.9
2407+44	2	LT	2408+68	3				121								165.6
2408+68	48	RT	2408+68	3		47										38.9
2408+68	3	LT	2409+91	4					119							156.5
2409+83	62	RT	2409+91	40			22									7.3
2410+76	57	RT	2409+91	40		80										19.9
2409+91	40	RT	2409+91	4			40									17
2409+91	4	LT	2411+57	3					159							190
2411+75	48	RT	2412+00	50		19										0
2412+11	41	RT	2412+00	50		9										2
2412+00	50	RT	2411+67	4			58									16
2412+07	10	RT	2411+67	4						45						121
2412+60	53	RT	2412+73	53		13										5
2412+73	53	RT	2413+00	53		21										8
2413+20	2	LT	2412+07	10						108						156
2413+20	42	RT	2413+20	2				39								38
2414+95	5	LT	2413+20	2					172							223
2415+02	57	RT	2414+95	5		59										48
2415+45	42	RT	2415+79	58		38										0
2416+38	38	RT	2415+79	58		53										3
2415+79	58	RT	2416+04	3			62									11
2416+04	3	LT	2417+40	3			136									73
2417+14	38	RT	2417+25	45		11										2
2417+25	45	RT	2417+40	3			48									24
2417+90	3	LT	2418+05	54			59									3
2418+31	58	RT	2418+27	39		17										1
2418+27	39	RT	2418+35	0		38										10
2418+35	0		2417+40	3						87						124
2418+42	5	LT	2418+35	0		5										4
2418+45	2	RT	2418+35	0			5									5
2419+19	38	RT	2418+45	2			79									36
2419+30	43	RT	2419+19	38			19									5
2419+68	2	LT	2418+35	0						127						150
2420+15	40	RT	2419+68	2		67										10
2420+83	2	LT	2419+68	2					115							109
2421+17	38	RT	2420+83	2		50										9
2421+17	58	RT	2421+17	38		16										1
2422+02	53	RT	2422+07	3		60										29
2422+07	3	LT	2423+22	2						105						128
2423+22	58	RT	2423+22	41		17										0
2423+22	41	RT	2423+22	2		45										0
2424+28	1	LT	2423+22	2							106					127
2424+28	46	RT	2424+28	1					47							47
2424+35	50	RT	2424+35	2		54										16
2426+04	45	RT	2424+28	46				178								96
2426+43	3	LT	2426+04	45		62										23
2427+85	4	LT	2427+90	45		50										106
2427+85	48	RT	2427+90	45		11										24
2427+90	45	RT	2427+88	4			181									416
2429+62	5	LT	2429+75	44		52										1

EXISTING STORM SEWER SCHEDULE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	123
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62300 • (1818, ETC, 2324.6-1PIR-B				

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
2509+01	67 RT		2509+07	73 RT		5										0.9
2509+07	73 RT		2510+41	80 RT							139					181.2
2510+41	80 RT		2510+43	4 LT									87			0
2510+86	7 LT		2511+00	3 LT		14										16.3
2511+00	41 RT		2511+07	44 RT		5										2.2
2511+00	50 RT		2511+07	44 RT		5										2.2
2511+07	44 RT		2511+00	3 LT				50								29.2
2511+00	3 LT		2510+43	4 LT				56								74.7
2511+72	50 RT		2511+07	44 RT				66								39.4
2511+79	55 RT		2511+72	50 RT		10										2
2511+79	73 RT		2511+79	55 RT		18										3.4
2513+04	56 RT		2511+72	50 RT					132							122.2
2512+89	7 LT		2513+04	56 RT			68									31.7
2513+84	6 LT		2512+89	7 LT		94										11.7
2513+07	75 RT		2513+04	56 RT				19								6
2514+35	66 RT		2513+04	56 RT		130										66.1
2516+91	67 RT		2517+62	67 RT		73										6.1
2517+65	81 RT		2517+62	67 RT				14								0
2517+62	67 RT		2517+57	45 RT				28								0
2517+57	45 RT		2517+46	40 RT				18								8.4
2517+46	40 RT		2517+50	5 LT				48								21.1
2517+33	8 LT		2517+50	5 LT		5										1.9
2519+38	65 RT		2520+38	63 RT		101										18.9
2520+40	76 RT		2520+38	63 RT		16										6.1
2520+38	63 RT		2520+32	45 RT				20								10
2520+32	45 RT		2520+38	40 RT				5								2.7
2520+44	7 LT		2520+38	40 RT		49										18.3
2520+38	40 RT		2521+75	41 RT						137						0
2521+70	60 RT		2521+75	41 RT		20										3.9
2521+75	41 RT		2522+86	40 RT						111						0
2522+75	53 RT		2522+73	46 RT				28								10.9
2522+73	46 RT		2522+86	40 RT				7								2.8
2522+86	40 RT		2522+90	6 LT						46						0
2522+73	7 LT		2522+90	6 LT		18										5.2
2524+28	45 RT		2524+28	7 LT		52										2.2
2524+28	7 LT		2525+75	6 LT					148							145.3
2525+75	36 RT		2525+75	6 LT				42								0
2525+75	6 LT		2526+85	6 LT								101				159.4
2526+85	6 LT		2527+73	7 LT									97			165.8
2527+36	38 RT		2527+65	42 RT			32									6.4
2527+65	42 RT		2527+73	7 LT									50			68.6
2528+20	42 RT		2527+65	42 RT						51						32.5
2528+14	37 RT		2528+20	42 RT		5										2.4
2528+50	36 RT		2528+20	42 RT		29										13.2
2529+74	4 LT		2530+00	4 LT			39									13.9

DS-8

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 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 EXISTING STORM SEWER REMOVAL
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJ0
 CHECKED BY: LPN

06/27/2005 07:45:24 PM

SCHEDULE OF STORM SEWER REMOVAL

SCHEDULE OF STORM SEWER REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
2567+04.7	7.53' LT		2566+98.6	58.0' RT		61.8										10.5
2566+98.6	58.02' RT		2567+06.4	53.9' RT			4.8									
2566+99.7	67.16' RT		2567+06.4	53.9' RT		10.9										1.7
2567+06.4	53.88' RT		2567+82.3	53.7' RT				71.9								
2567+49.0	5.86' LT		2567+75.1	10.8' LT		22.6										4.4
2567+87.2	7.28' LT		2567+75.1	10.8' LT		8.5										
2567+75.1	10.84' LT		2567+74.2	58.2' RT		65.1										21.9
2567+74.2	58.24' RT		2567+82.3	53.7' RT			5.3									
2567+74.1	67.08' RT		2567+82.3	53.7' RT		11.7										3.8
2567+82.3	53.72' RT		2568+57.0	53.0' RT							70.7					
2568+51.7	7.47' LT		2568+44.6	58.3' RT		62.1										
2568+44.6	58.28' RT		2568+57.0	53.0' RT			9.5									3.1
2568+39.0	67.11' RT		2568+57.0	53.0' RT			18.9									2.8
2570+33.1	7.41' LT		2570+41.4	10.9' LT												0.3
2570+41.4	10.86' LT		2570+41.3	58.3' RT			66.2									
2570+41.3	58.29' RT		2570+32.6	53.8' RT			5.8									
2570+39.5	67.02' RT		2570+32.6	53.8' RT			10.9									4.0
2570+32.6	53.76' RT		2568+57.0	53.0' RT				171.6								
2568+57.0	52.98' RT		2568+58.9	3.7' LT							49.7					53.5
2572+48.7	7.14' LT		2572+46.8	58.3' RT		61.5										4.7
2572+46.8	58.32' RT		2572+62.7	52.8' RT			12.9									2.1
2572+46.2	67.39' RT		2572+62.7	52.8' RT				17.8								8.1
2572+62.7	52.80' RT		2572+64.4	4.1' LT							52.9					
2577+22.2	1.43' LT		2577+17.6	10.6' LT		3.2										
2577+17.6	10.64' LT		2577+64.9	57.0' RT		71.2										2.6
2577+64.9	57.04' RT		2577+49.7	53.6' RT			11.6									
2577+55.9	67.08' RT		2577+49.7	53.6' RT				10.8								2.5
2577+49.7	53.57' RT		2576+11.5	7.1' LT							134.3					
2576+11.5	7.08' LT		2574+20.6	54.6' RT							186.9					174.9
2574+20.6	54.64' RT		2572+62.7	52.8' RT								153.9				
2579+57.5	7.31' LT		2579+58.7	58.7' RT			61.5									23.1
2579+58.7	58.70' RT		2579+65.1	54.1' RT				3.6								
2579+59.4	67.51' RT		2579+65.1	54.1' RT				10.7								
2579+65.1	54.12' RT		2580+01.6	52.5' RT					32.6							
2580+01.6	52.47' RT		2579+99.7	4.2' LT							52.7					0.0
2593+31.8	6.87' LT		2583+19.0	3.4' LT		9.3										0.7
2583+19.0	3.40' LT		2583+17.4	52.7' RT			52.1									
2583+27.8	58.22' RT		2583+17.4	52.7' RT		6.0										0.0
2583+28.6	67.56' RT		2583+17.4	52.7' RT	13.5											
2583+17.4	52.69' RT		2581+97.5	54.6' RT				117.9								40.7
2582+04.3	58.39' RT		2581+97.5	54.6' RT			3.8									
2582+02.6	67.76' RT		2581+97.5	54.6' RT					10.1							
2581+97.5	54.59' RT		2581+29.0	54.1' RT					64.6							
2581+37.8	58.51' RT		2581+29.0	54.1' RT			5.9									0.4
2581+38.4	67.56' RT		2581+29.0	54.1' RT		12.4										1.1

STATION	OFFSET	TO	STATION	OFFSET	STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 10"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 21"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 27"	STORM SEWER REMOVAL 30"	STORM SEWER REMOVAL 36"	STORM SEWER REMOVAL 42"	TRENCH BACKFILL (CY)
2581+37.6	7.38' LT		2581+37.8	58.5' RT		61.9										
2581+29.0	54.11' RT		2580+01.6	52.5' RT					123.4							
2583+96.0	10.71' LT		2584+16.5	7.5' LT			16.8									
2584+18.3	58.47' RT		2584+14.4	53.0' RT	2.7											
2584+04.4	67.80' RT		2584+14.4	53.0' RT	13.9											1.5
2584+14.4	53.00' RT		2584+37.6	7.2' LT			60.6									10.4
2586+02.4	58.41' RT		2586+14.0	52.4' RT			9.1									
2586+04.5	67.62' RT		2586+14.0	52.4' RT	13.0											1.4
2586+14.0	52.39' RT		2586+14.4	3.1' LT			51.5									
2586+04.4	7.47' LT		2586+14.4	3.1' LT			6.9									0.1
2588+04.6	58.48' RT		2588+14.1	52.4' RT			7.2									
2588+04.0	67.47' RT		2588+14.1	52.4' RT	14.1											1.5
2588+14.1	52.37' RT		2588+14.5	4.0' LT			52.4									
2588+05.1	7.41' LT		2588+14.5	4.0' LT				6.0								0.7
2589+97.5	58.28' RT		2590+07.7	51.3' RT			8.4									
2590+07.1	67.67' RT		2590+07.7	51.3' RT			12.4									
2590+07.7	51.25' RT		2590+12.6	4.6' LT				52.0								42.7
2590+03.6	7.23' LT		2590+12.6	4.6' LT			5.4									0.9
2591+68.1	57.95' RT		2591+79.2	52.4' RT			8.5									
2591+69.3	67.39' RT		2591+79.2	52.4' RT	14.0											1.7
2591+79.2	52.40' RT		2591+79.4	3.6' LT			52.0									
2591+69.4	7.59' LT		2591+79.4	3.6' LT			6.7									
2593+17.8	58.29' RT		2593+29.1	52.1' RT			8.9									
2593+19.2	67.35' RT		2593+29.1	52.1' RT	14.2											1.7
2593+29.1	52.14' RT		2593+29.1	3.5' LT		51.6										
2593+25.2	7.21' LT		2593+29.1	3.5' LT		1.4										
2594+28.8	58.32' RT		2594+39.2	52.2' RT			8.1									
2594+28.5	67.24' RT		2594+39.2	52.2' RT	14.5											1.7
2594+39.2	52.19' RT		2594+39.2	3.7' LT												
2594+29.4	7.71' LT		2594+39.2	3.7' LT			6.6									0.8
2597+79.3	58.17' RT		2597+69.4	51.9' RT			7.7									2.2
2597+79.1	67.20' RT		2597+69.4	51.9' RT	14.1											1.4
2597+69.4	51.94' RT		2597+69.1	4.0' LT			51.9									
2597+76.2	7.45' LT		2597+69.1	4.0' LT			3.9									0.0
2598+79.4	58.14' RT		2598+69.1	52.2' RT	7.9											
2598+79.5	67.24' RT		2598+69.1	52.2' RT	14.3											0.8
2598+69.1	52.16' RT		2598+69.4	4.3' LT	52.5											
2598+76.6	7.53' LT		2598+69.4	4.3' LT		3.9										0.5
2600+28.8	58.20' RT		2600+19.3	3.4' LT			7.2									
2600+29.1	66.94' RT		2600+19.3	3.4' LT	13.6											0.9
2600+19.3	3.44' LT		2600+19.1	10.8' LT			51.8									
2600+28.5	7.75' LT		2600+19.1	10.8' LT			6.4									1.0
2602+08.7	58.22' RT		2601+99.6	52.4' RT			6.8									
2602+08.8	67.02' RT		2601+99.6	52.4' RT	13.3											
2601+99.6	52.41' RT		2601+99.4	3.4' LT			51.8									23.2

BOWMAN, BARRETT & ASSOCIATES INC
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
EXISTING STORM SEWER REMOVAL
SCALE: 1"=40'
DATE: 07/07/05
DRAWN BY:
CHECKED BY:

SCHEDULE OF DRAINAGE STRUCTURES

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D, TIF OL	CB, TA, 4D, TBG	CB, TA, 4D, T20 F&G	CB, TA, 5D, T20 F&G	MH, TA, 4D, TIF CL	MH, TA 5D, TIF CL	MH, TA 6D, TIF CL	DR STR T1, W/2 T20 F&G	DR STR T2, W/2 T22 F&G	INLET, TYPE B, T, 20 F&G	MH, DROP 6D, TIF CL	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ. FT)
1-01	2367+06.00	-8.00	-9.62			1									-15.62N,	162
1-02	2367+95.00	-8.00	-9.27			1									-15.27S,	162
1-03	2367+41.60	-3.50	-9.3						1						-15.76N, -15.94S, -23.15W, -23.16E,	162
1-04	2369+92.00	-8.00	-8.28			1									-14.73E,	162
1-05	2371+00.00	-8.00	-7.74			1									-13.45N,	162
1-06	2371+42.00	-8.00	-7.53			1									-13.86S, -13.96E,	162
2-01	2374+66.00	-3.00	-6.51			1									-12.34N,	162
2-02	2375+37.00	-3.00	-6.76			1									-12.81N, -12.71S,	162
2-03	2375+84.00	-2.00	-6.88					1							-13.07N, -13.25S, -13.35E,	162
2-04	2376+08.00	-2.00	-7.04			1									-12.87S,	162
2-05	2376+79.00	-2.00	-7.65			1									-13.48N,	162
2-06	2377+50.00	-2.00	-7.71			1									-13.82N, -13.82S,	162
2-07	2377+78.00	-2.00	-7.77			1									-14.06N, -14.06S,	162
2-08	2377+93.00	-2.00	-7.77			1									-13.83N, -14.11S, -14.11E,	162
2-09	2378+08.00	-2.00	-7.77			1									-13.69N, -13.79S,	162
2-10	2378+38.00	-1.00	-7.7			1									-13.53S,	162
3-01	2380+11.00	-52.00	-5.99						1						-12.26N, -12.47S, -17.77W, -18.52E,	162
3-02	2379+88.00	-1.00	-6.52			1									-12.66N,	162
3-03	2380+68.00	-1.50	-5.47			1									-11.35E,	162
3-04	2380+65.00	-1.00	-5.45						1						-12.01N, -12.11S, -11.31NW,	162
3-05	2381+49.00	-3.00	-4.44			1									-11.14SE,	162
3-06	2382+94.00	-1.00	-2.36					1							-9.54N, -9.79S, -9.56NW,	162
3-07	2382+98.00	-5.00	-2.51			1									-9.54SE,	162
3-08	2384+13.00	-6.50	-1.05			1									-8.44N, -8.54SE,	162
3-09	2384+09.00	-2.00	-0.91					1							-8.67S, -8.57NW,	162
3-10	2384+70.00	-7.00	-0.51			1									-7.92S,	162
3-11	2381+46.00	-1.00	-4.35					1							-11.23N, -11.48S, -11.16W,	162
4-01	2388+33.00	-8.00	-0.53			1									-9.90SE,	162
4-02	2390+14.00	-8.00	-2.46			1									-12.21E,	162
4-03	NOT USED															
5-01	2391+95.00	-8.00	-4.12			1									-9.95S,	162
5-02	2392+58.00	-9.00	-4.33										1		-8.58N,	162
5-03	2392+73.00	-8.00	-4.34										1		-8.7N, -8.63S, -8.63E,	162
5-04	2392+91.00	-9.00	-4.33			1									-8.75S, -8.85E,	162
5-05	2391+36.00	-64.00	0.9						1						-5.4N, -8.1S, -12.75W, -14.32E,	162
5-06	NOT USED															
5-07	2392+58.00	45.00	-2.1										1		-7.93N,	162
5-08	2392+73.00	44.00	-2.11										1		-7.99N, -7.89S,	162
5-09	2392+88.00	45.00	-2.1			1									-8.05S, -9.06W, -9.16E,	162
5-10	2394+46.00	-8.00	-3.29			1									-9.09E,	162
5-11	2396+08.00	-8.00	-1.05			1									-7.67E,	162
5-12	2396+08.00	44.00	1.18			1									-8.17W, -8.27E,	162
5-13	2392+87.00	63.00	-1.68					1							-10.34N, -9.26W,	162
6-01	2397+70.00	-8.00	1.23			1									-4.77E,	162
6-02	2397+69.00	44.00	3.44			1									-5.27W, -9.16E,	162
6-03	2399+32.00	-8.00	3.5			1									-2.5E,	162
6-04	2399+32.00	44.00	5.72			1									-3W, -3.25SE,	162
6-05	2399+25.00	50.00	5.78					1							-4.69N, -3.35NW, -4.94SE,	162
6-06	2400+40.00	51.00	7.4					1							-2.43S, -1.23NW,	162
6-07	2400+94.00	-8.00	5.55			1									-0.45SE,	162
6-08	2398+65.00	-61.00	3.45						1						-2.48N, -11.78W, -14.23E,	162
6-09	2400+00.00	99.00	-3.1		1										-9.1W,	162
6-10	2400+00.00	86.00	3.5						1						-9.15E,	162
7-01	2404+85.00	-8.00	5.06			1									-0.77E,	162
7-02	2404+85.00	39.50	7.44						1						-7.4N, -1.25W, 1.05E,	162
7-03	2406+52.00	39.50	5.05						1						-8.56N, -8.06S, -2.32W,	162
7-04	2407+59.00	39.00	3.53						1						-8.82S, -10.1W, -9.35E, -2.62NE,	162
7-05	2404+85.00	44.00	7.28			1									1.09W,	162
7-06	2406+52.00	-6.00	3.92			1									-2.09E,	162
7-07	2407+59.00	6.00	3.38										1		-3.94N, -11.87W, -10.22E,	162
7-08	2407+66.00	42.00	3.35			1									-2.58SW,	162
7-09	6015+87.00	3.00	4.08						1						-9.16N, -9.26W,	162
7-10	6016+21.00	3.00	3.12						1						-8.56N, -9.06S, -3.16NE,	162
7-11	2407+50.00	-56.00	0.73						1						-5.6N, -11.68NW, -11.78SE,	162
8-01	2408+03.00	-6.00	2.69			1									-3.81SE,	162
8-02	6016+26.00	5.00	2.85			1									-3.15S,	162
8-03	2408+92.00	39.00	1.55	1											-4.45E,	162
8-04	6017+20.00	3.00	1.24						1						-8.02N, -8.27S, -4.61W,	162
8-05	6017+87.00	2.00	0.18					1							-7.62N, -7.87S, -6.17E,	162
8-06	6017+90.00	5.00	0.06			1									-5.94W,	162

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	128
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		(1818, ETC, 2324.6-IPR-8		

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DS-13



NOTE:
OFFSET FOR DRAINAGE STRUCTURES IS TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULE
PROPOSED DRAINAGE STRUCTURES
SCALE: 1" = N.T.S.
DATE: 7/7/05
DRAWN BY: MJO
CHECKED BY: LPN

06/27/2005 07:36:51 PM

SCHEDULE OF DRAINAGE STRUCTURES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	129
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		(1818, ETC, 2324.6-1PIR-8		

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D, TIF OL	CB, TA, 4D, T8G	CB, TA, 4D, T20 F&G	CB, TA, 5D, T20 F&G	MH, TA, 4D, TIF CL	MH TA 5D, TIF CL	MH TA 6D, TIF CL	DR STR T1, W/2 T20 F&G	DR STR T2, W/2 T22 F&G	INLET, TYPE B, T, 20 F&G	MH, DROP 6D, TIF CL	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
8-07	2410+20.00	54.00	-0.85					1							-7.34S, -6.41W, -7.09E, -5.85E, -6.96SW, -8.91N,	162
8-08	2410+23.00	-4.50	0.96			1										
8-09	2410+26.00	54.50	-0.96			1										
8-10	2411+80.00	49.50	-3.08			1										
8-11	2412+00.00	50.50	-3.19						1						-10.28S, -10.14NE, -12.19SW, -9.58W, -10.08SW, -9.25N,	
8-12	2412+70.00	57.00	-2.43						1							
8-13	2412+58.00	51.00	-3.42										1			
8-14	2412+73.00	50.00	-3.43			1									-9.31N, -9.31S, -9.42W, -9.52E, -9.25S,	
8-15	2412+88.00	50.00	-3.42										1			
8-16	2412+58.00	-4.00	-0.41										1		-6.24N,	162
8-17	2412+73.00	-3.00	-0.42			1									-6.3N, -6.3S, -6.55E, -6.24S,	162
8-18	2412+88.00	-4.00	-0.41										1			162
8-19	2411+67.00	-59.00	-4.29						1						-11.16N, -12.75W, -13.25E, -9E,	162
9-01	2413+75.00	-3.00	-0.11			1										
9-02	2414+36.00	50.00	-2.78			1									-8.61N,	
9-03	2414+64.00	50.00	-2.58					1							-8.81N, -8.71S,	
9-04	2415+60.00	50.00	-2.1												-8.03N, -9.22S, -9.72E, -7.92NW, -4.84E,	162
9-05	2415+61.00	-5.00	0.83			1										
9-06	2416+18.00	51.00	-1.92			1									-7.76S,	
9-07	2417+21.00	-3.00	1.66					1							-10.15W, -18.63E, -7.97NE,	
9-08	2418+05.00	52.00	-1.04			1										
9-09	2418+11.00	-5.00	2.09			1									-5.66E,	162
9-10	2418+07.00	50.00	-0.85						1						-9.42N, -9.92S, -6.68W, -6.88E, -7.4N, -12.59W, -12.79E,	
9-11	2417+24.00	-60.00	-1.47						1						-10N, -18.46SW, -8.57N, -8.77S, -6E,	
9-12	2417+70.00	50.00	-1.03						1						-5.99W,	
10-01	2419+80.00	50.00	0.5					1							-4.78N, -8.16S, -4.58W, -2.39E,	162
10-02	2419+82.00	52.00	-0.15			1										
10-03	2420+89.00	50.00	1.27					1							-4.23S,	
10-04	2420+92.00	-3.00	3.45			1									-10.09W, -10.29E, -3.40NE, -4.22N,	162
10-05	2421+64.00	50.00	2.25			1									-4.44N, -4.54S, -8.36N, -9.86W, -8S,	
10-06	2423+23.00	-78.00	2.67						1							
10-07	2423+00.00	-3.00	4.47			1									-8.94N, -8.96S, -10.72W, -10.82E, -3.49SE, -2.28N,	162
10-08	2421+17.00	51.00	2.02			1										
10-09	2423+22.00	51.00	4.24				1									
10-10	2424+28.00	50.00	4.73	1												
10-11	2419+31.00	52.00	0.65					1								
11-01	2429+75.00	-81.00	2.44						1							
11-02	2427+40.00	-10.00	3.31			1									-2.28N,	162
11-03	2427+45.00	49.50	3.55			1										
11-04	NOT USED															
11-05	2429+03.00	-8.00	2.5			1									-3.43N, -3.33S, -9.26N, -9.06S,	162
11-06	2429+13.00	49.50	2.71				1									
11-07	2429+75.00	50.00	2.9						1						-10.73N, -9.4S, -10.93W,	
11-08	NOT USED															
11-09	2430+85.00	-8.00	1.59			1									-4.24S,	162
11-10	2430+91.00	49.50	1.82				1								-10.58S, -4.83W, -8.77N, -2.48S,	
11-11	2427+89.00	49.50	3.33				1									
12-01	2432+82.00	49.00	0.93						1						-9.51N, -5.45SW, -5.00SE, -5.14NE,	162
12-02	2432+67.00	-8.00	0.69			1									-4.89NW,	
12-03	2432+69.00	49.50	0.94			1										
12-04	2433+27.00	49.00	0.71						1						-9.67N, -9.57S,	
12-05	2434+52.00	50.00	0.05						1						-9.95N, -9.85S, -6.35W, SE=6.01, -6.04E,	162
12-06	2434+49.00	-8.00	-0.21			1									-5.91NW,	
12-07	2434+47.00	53.00	-0.08			1										
12-08	2435+07.00	50.00	-0.22						1						-10.13N, -10.03S,	
12-09	2436+34.00	51.00	-0.9						1						-10.41N, -10.31S, -7.27W, -7.03SE, -6.93NW,	
12-10	2436+25.00	56.00	-1.1			1										
12-11	2436+31.00	-8.00	-1.13			1									-6.96E,	162
12-12	2436+74.50	51.00	-1.08						1						-10.56N, -10.46S,	
12-13	2436+98.00	56.00	-1.37										1		-7.2N,	
12-14	2436+98.00	-9.00	-1.37										1			
13-01	2437+13.00	51.00	-1.13						1						-10.71N, -10.61S, -7.9W, -7.55E, -7.26N, -7.26S, -7.59E,	162
13-02	2437+13.00	-8.00	-1.37			1										
13-03	2437+28.00	-9.00	-1.37											1	-7.2S,	162
13-04	2437+13.00	55.00	-1.33			1									-7.26N, -7.26S, -7.51W, -7.2S,	
13-05	2437+28.00	56.00	-1.37										1			
13-06	2437+57.00	51.00	-1.07						1						-10.11N, -10.77S, -11.11W,	
13-07	2437+99.00	51.00	-0.88						1						-9.94N, -10.04S, -7.26W, -6.95E, -6.95E,	162
13-08	2437+99.00	-8.00	-1.12			1										
13-09	2437+99.00	55.00	-1.08			1									-6.91N, -6.91W,	

DS-14



ONE NORTH FRANKLIN
CHICAGO, IL 60666
PHONE: (312) 251-3000
FAX: (312) 231-3015
WEB: WWW.EDWARDSKELCEY.COM

NOTE:
OFFSET FOR DRAINAGE STRUCTURES IS
TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULE
PROPOSED DRAINAGE STRUCTURES
SCALE: 1" = N.T.S.
DATE: 7/7/05
DRAWN BY: MJO
CHECKED BY: LPN

06/27/2005 07:40:30 PM

SCHEDULE OF DRAINAGE STRUCTURES

F.A.I. R/E:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	131
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-IPR-8		

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D, TIF OL	CB, TA, 4D, T8G	CB, TA, 4D, T20 F&G	CB, TA, 5D, T20 F&G	MH, TA, 4D, TIF CL	MH TA 5D, TIF CL	MH TA 6D, TIF CL	DR STR T1, W/2 T20 F&G	DR STR T2, W/2 T22 F&G	INLET, TYPE B, T, 20 F&G	MH, DROP 6D, TIF CL	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
18-06	2471+50.00	51.00	0.02						1						-9.05N, -8.55S, -6.11W, -5.84E,	
18-07	2471+50.00	-8.00	0.02			1									-5.81E,	162
19-01	2473+18.00	51.00	-1.19						1						-8.63N, -9.41S, -10.41W, -7.18E,	
19-02	2473+18.00	56.00	-1.43			1									-7.26W,	
19-03	NOT USED															
19-04	2472+97.00	-8.00	-1.32			1									-7.15NE,	
19-05	2473+83.00	51.00	-1.58						1						-8.18N, -8.43S, -7.73E,	
19-06	2473+68.00	-9.00	-1.57			1									-7.77N, -7.92S,	162
19-07	2473+83.00	-8.00	-1.58										1		-7.46N, -7.71S, -7.2E,	162
19-08	2473+98.00	-9.00	-1.57										1		-7.41S,	162
19-09	NOT USED															
19-10	2473+68.00	57.00	-1.57										1		-7.4N,	
19-11	2473+83.00	56.00	-1.58			1									-7.46N, -7.46S, -7.56W,	
19-12	2473+98.00	57.00	-1.57										1		-7.4S,	
19-13	2474+69.00	-8.00	-1.33			1									-7.16E,	162
19-14	2474+69.00	51.00	-1.09						1						-7.7N, -7.95S, -7.5W, -7.2E,	
19-15	2474+69.00	56.00	-1.33			1									7.16W,	
19-16	2475+98.00	51.00	0.08					1							-7.2S, -5.89W, -5.65E,	
19-17	2475+98.00	-8.00	-0.16			1									-5.61E,	162
19-18	2475+98.00	56.00	-0.16			1									-5.61W,	
20-01	2478+10.00	51.00	2.26						1						-9.44N, -9.94W, -3.59SE,	
20-02	2478+04.00	-4.50	2.1			1									-7.32N,	
20-03	2478+04.00	56.00	1.96			1									-3.49NW,	
20-04	2480+10.00	51.00	4.32						1						-8N, -8.79S, -1.56W, -1.40NE,	
20-05	2480+10.00	-4.50	4.22			1									-1.23E,	162
20-06	2480+10.00	56.00	4.08			1									-1.37W,	
20-07	2481+99.00	51.00	6.27						1						-6.22N, -7.72S, -1.06W, -0.01NE,	
20-08	2481+99.00	-6.00	6.11			1									0.65E,	90
20-09	2481+99.00	56.00	6.03			1									0.75SW,	
20-10	2482+99.00	51.00	7.3						1						-4.29N, -5.94S,	
20-11	2483+69.00	51.00	8.02						1						-3.69N, -4.19S,	
20-12	2478+90.00	51.00	3.09						1						-9N, -9.21S,	
21-01	2484+22.00	51.00	8.57						1						-3.38N, -3.48S, 2.67W, 2.83E,	
21-02	2484+22.00	-6.00	8.41			1									2.94E,	162
21-03	2484+22.00	56.00	8.33			1									2.86W,	
21-04	2486+06.00	51.00	10.07					1							-2.44S, 3.90NW, 4.00NE,	
21-05	2486+28.00	-6.00	10.03			1									4.20SE,	162
21-06	2486+28.00	56.00	9.95			1									4.12SW,	
22-01	2490+47.00	54.00	10.06					1							4.23NE,	
22-02	2490+54.00	56.00	9.9			1									3.82W, 3.82NW,	
22-03	2490+54.00	51.00	10.14					1							-2.79N, 3.8W, 3.75E,	
22-04	2490+54.00	-7.00	9.94			1									4.11E,	162
22-05	2492+11.50	56.00	8.69			1									2.86N,	
22-06	2492+60.00	56.00	8.19			1									2.36S, 2.26NW,	
22-07	2492+60.00	51.00	8.43						1						-4.45N, -3.7S, 2.09W, 2.22E,	
22-08	2492+60.00	-7.00	8.23			1									2.40NE,	162
22-09	2494+22.00	51.00	6.76						1						-5.02N, -4.92S, -5.02W, 0.54E,	
22-10	2494+27.00	56.00	6.47					1							0.64SW,	
22-11	2494+66.00	56.00	6.07			1									0.24SW,	
22-12	2493+92.00	-7.00	6.87			1									1.04NE,	162
22-13	NOT USED															
22-14	2494+66.00	-7.00	6.11			1									0.28SE,	162
23-01	2496+63.00	54.00	4.16					1							-1.67NE,	
23-02	2496+72.00	56.00	3.95			1									-1.88SW, -2.13NW,	
23-03	2496+81.00	51.00	4.1						1						-8.7N, -2.17SW, -2.22SE,	
23-04	2496+72.00	-7.00	3.99			1									-1.84NE,	162
23-05	2498+88.00	51.00	1.73						1						-7.69N, -8.94S, -9.44W, -4.24NE,	
23-06	2498+92.00	56.00	1.69			1									-4.14SW,	
23-07	NOT USED															
23-08	2498+78.00	-7.00	1.87			1									-3.96NE,	162
23-09	2500+77.00	51.00	0.02						1						-7.26S, -6.39NW, -6.51NE,	
23-10	2500+84.00	-7.00	-0.25			1									-6.08SE,	162
23-11	2500+90.00	56.00	-0.35			1									-6.40SW,	
24-01	2502+92.00	55.00	-2.13					1							-8.64N, -8.35W, -8.09SE,	
24-02	2502+83.00	56.00	-2.16			1									-7.99NW,	
24-03	2502+84.00	-7.00	-2.21			1									-8.04E,	162
24-04	2503+74.00	57.00	-2.36					1							-9.2N, -8.95S, -8.60SE,	
24-05	2503+55.00	59.00	-2.43										1		-8.26N,	
24-06	2503+68.00	58.00	-2.44			1									-8.32N, -8.32S, -8.57W,	
24-07	2503+84.00	59.00	-2.43										1		-8.26S,	

Edwards AND Kelcey
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NOTE:
 OFFSET FOR DRAINAGE STRUCTURES IS
 TO THE CENTER OF THE FRAME AND GRATE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 PROPOSED DRAINAGE STRUCTURES
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJO
 CHECKED BY: LPN

06/27/2005 07:41:18 PM

SCHEDULE OF DRAINAGE STRUCTURES

STR. #	STATION	OFFSET	RIM ELEVATION	CB, TA, 4D, TIF OL	CB, TA, 4D, T8G	CB, TA, 4D, T20 F&G	CB, TA, 5D, T20 F&G	MH, TA, 4D, T1F CL	MH TA 5D, T1F CL	MH TA 6D, T1F CL	DR STR T1, W/2 T20 F&G	DR STR T2, W/2 T22 F&G	INLET, TYPE B, T, 20 F&G	MH, DROP 6D, T1F CL	INVERT ELEVATION	TEMP SOIL RET. SYSTEM (SQ FT)
24-08	2505+54.00	39.00	-0.9	1											-6.73N,	
24-09	2503+55.00	-8.00	-2.44										1		-8.27N,	162
24-10	2503+70.00	-7.00	-2.45												-8.58N, -8.33S, -8.09E,	162
24-11	2503+85.00	-8.00	-2.44			1									-8.74N, -8.64S,	162
24-12	2504+36.00	-7.00	-2.31			1									-9.08N, -8.98S,	
24-13	2504+31.00	58.00	-2.27						1						-9.91N, -9.41S,	
24-14	2506+46.00	40.00	0.45	1											-7.71N, -7.61S,	
24-15	2504+86.00	58.00	-1.96						1						-10.87N, -10.77S, -7.79NE,	
24-16	2504+91.00	61.00	-1.86			1									-7.69SW,	
24-17	2506+50.00	62.00	0.24						1						-10.54S, -10.44W, -5.73NE	
24-18	2506+51.00	40.00	0.45						1						-10.31N, -7.72S, -5.98W, -10.41E,	
24-19	2506+64.00	63.00	0.24			1									-5.59SW,	
24-20	2506+53.00	-7.00	0.08			1									-5.76E,	162
24-21	2507+51.00	40.00	1.99						1						-9.46N, -10.14S,	
25-01	2508+37.00	41.00	3.27						1						-2.62N, -9.37S, -3.04E, -2.77NW,	
25-02	2508+37.00	66.00	2.91			1									-2.92W,	
25-03	2508+64.00	-7.00	3.33			1									-2.51SE,	162
25-04	411+44.00	19.00	5.64			1									-0.19NW,	
25-05	411+51.00	19.00	6.17					1							0.34W,	
25-06	2510+46.00	43.00	6.44						1						-7.5N, -7.6W, 0.23E, 0.41NW, -0.40SE	
25-07	2510+75.00	-7.00	6.58			1									0.75SE,	162
25-08	2511+82.00	45.00	8.09						1						-6.33N, -7.8S, 1.81E,	
25-09	412+85.00	19.00	7.96			1									1.91W,	
25-10	2512+84.00	46.00	8.98						1						2.69N, -5.89S, 2.7W, 1.68E,	
25-11	2512+86.00	-7.00	8.84			1									3.01E,	162
25-12	414+10.00	19.50	9.02					1							2.28N, 1.82SW,	
25-13	2508+43.00	42.00	3.23	1											-2.6S,	
25-14	414+59.00	19.00	9.27			1									2.7N, 2.6S,	
25-15	2510+43.00	43.00	6.42	1											0.59N,	
25-16	2512+89.00	45.00	9.02	1											2.8N, 2.7S,	
25-17	2513+89.00	46.00	9.59	1												
26-01	416+75.00	20.00	9.59			1									3.76S,	
26-02	418+68.00	24.00	8.68			1									2.63SW,	
26-03	418+60.00	-6.00	8.45			1									2.30SW, 2.40SE	
26-04	2517+86.00	44.00	9.02			1									3.19SW,	
26-05	2517+53.00	39.00	9.5						1						-4.14W, 2.25E, 2.94NE,	
26-06	2517+86.00	-7.00	8.82			1									-0.98S,	162
26-07	420+75.00	-7.00	6.23			1									0.4N,	
26-08	2519+97.00	-7.00	6.55			1									0.72NE,	162
27-01	421+43.00	19.00	5.82	1											-0.01SW,	
27-02	2520+14.00	44.00	6.51			1									0.2S, -0.46W, -0.21NE,	
27-03	2520+14.00	39.00	6.75						1						-4.14N, -0.49E, 0.41SW,	
27-04	422+90.00	-7.00	2.53			1									-3.30NW,	
27-05	2522+19.00	44.00	2.94			1									-3.45S, -3.55SW,	
27-06	2522+11.00	39.00	3.37						1						-5.5N, -5S, -2.82W, -3.65NE,	
27-07	2522+08.00	-7.00	3.24			1									-2.59E,	162
27-08	2522+86.00	40.00	2.19						1						-5.73S, -5.83W, -5.21SE,	
27-09	423+79.00	-5.00	1.51	1											-5.0NW,	
27-10	423+84.00	-7.00	1.3			1									-5.11NW, -5.01SE	
27-11	NOT USED															
27-12	2523+27.00	-7.00	1.3			1									-4.53S,	162
27-13	425+29.00	-7.00	-1.45	1											-7.28NW,	
27-14	2524+37.00	44.00	-1.91			1									-7.54NW, -7.44SE	
27-15	2524+40.00	39.00	-1.74						1						-13.06N, -7.64SE,	
27-16	2525+75.00	-5.00	-2.51			1									-8.34E,	162
27-17	2525+77.00	39.00	-4.71						1						-13.42N, -13.32S, -10.78W,	
28-01	2526+32.00	44.00	-5.76			1									-11.59NW,	
28-02	2526+32.00	39.50	-5.43						1						-17.37N, -13.52S, -11.69SE,	
28-03	2527+36.00	41.00	-6.3						1						-17.71N, -17.5S,	
28-04	2527+79.00	45.00	-6.65							1					-12.48N,	
28-05	2527+94.00	44.00	-6.66			1									-12.81N, -12.54S, -12.91W,	
28-06	2528+09.00	45.00	-6.65			1									-12.63N, -12.7S,	
28-07	2527+95.00	39.00	-6.3						1						-12.51N, -17.79S, -13.01E, -17.99SW,	
28-08	2527+79.00	-5.00	-4.1			1									-10.58N, -10.68S,	
28-09	2527+94.00	-4.00	-4.11			1									-10.28N, -10.53S,	162
28-10	2528+09.00	-5.00	-4.1			1									-10.12N, -10.22S,	162
28-11	2528+47.00	-10.00	-4.12			1									-9.95S,	
28-12	2528+61.00	46.00	-6.62			1									-12.45S,	
28-13	2529+50.00	-11.00	-3.44			1									-9.44E,	162
28-14	2529+70.00	44.00	-5.65			1									-11.48W,	
28-15	2529+68.00	38.00	-5.39					1							-11.68S, -11.39W, -11.58E,	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	132
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	* (181B, ETC, 2324.6-IPR-8			

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DS-17



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 PROPOSED DRAINAGE STRUCTURES
 SCALE: 1" = N.T.S. DRAWN BY: MJO
 DATE: 7/7/05 CHECKED BY: LPN

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	133
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1)PR-8		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8G	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA T1F CL	MAN TA 5 DIA T1F CL	MAN TA 6 DIA T1F CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA T1F CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
29-01	2531+40.0	49.5' RT	-2.46									1			-7.2SE,	
29-02	2531+40.0	44.8' RT	-3.93												-9.1NW,	
29-03	2531+40.0	39.5' RT	-3.62						1						-9.7NW, -10.45NE, -9.2SE,	
29-04	2531+40.0	8.1' LT	-1.46			1									-9.24SE,	162
29-05	2532+70.0	49.5' RT	-2.88									1			-9.62NE,	
29-06	2532+70.0	44.8' RT	-1.41												-9.72NW,	
29-07	2532+70.0	39.5' RT	-1.20						1						-6.32NW, -10.82NE, -9.82SE, -10.72SW,	
29-08	2532+70.0	9.8' LT	-0.35			1									-5.86SE,	162
29-09	2533+95.0	49.5' RT	-3.20									1			T.B.D.	
29-10	2533+95.0	44.8' RT	1.01												-9.87NW,	
29-11	2533+95.0	39.5' RT	1.22						1						-4.59NW, -11.22NE, -9.97SE, -11.04SW,	
29-12	2533+95.0	9.9' LT	0.91			1									-4.13SE,	162
29-13	2534+65.0	39.5' RT	2.57						1						-11.45NW, -5.05NE, -9.02SE, -11.33SW,	
29-14	2535+25.0	49.5' RT	3.37									1			-4.4SE,	
29-15	2535+25.0	44.8' RT	3.52												-3.37NW,	
29-16	2535+25.0	39.5' RT	3.73						1						-5.22NW, -4.27NE, -3.47SE, -4.97SW,	
29-17	2535+25.0	9.8' LT	2.24			1									-4.32NW, -4.8SE,	162
30-01	2536+55.0	49.5' RT	5.26									1			-2.29SE,	
30-02	2536+55.0	44.7' RT	5.94												-2.39NW,	
30-03	2536+55.0	39.5' RT	6.05						1						-2.49NW, -2.8NE, -2.49SE, -4.08SW,	
30-04	2536+55.1	9.7' LT	3.38			1									-2.07SE,	162
30-05	2537+55.0	49.5' RT	6.62									1			-0.9SE,	
30-06	2537+55.0	44.8' RT	6.96												-1NW,	
30-07	2537+55.0	39.5' RT	7.06						1						-0.85NW, -2.36NE, -1.1SE, -2.63SW,	
30-08	2537+55.0	9.8' LT	4.39			1									-0.64SE,	162
30-09	2538+55.0	49.5' RT	7.90									1			-0.7SE,	
30-10	2538+55.0	44.8' RT	7.98												-0.08NW,	
30-11	2538+55.0	39.5' RT	8.08						1						-1.4NW, 0.4NE, -0.18SE, -2.15SW,	
30-12	2538+55.0	11.1' LT	5.33			1									-0.84NE, -0.94SE,	162
30-13	2538+95.0	10.8' LT	5.75			1									-0.35NW, -0.45SW,	162
30-14	2539+55.0	49.5' RT	8.82									1			T.B.D.	
30-15	2539+55.0	44.8' RT	8.99												1.92NW,	
30-16	2539+55.0	39.5' RT	9.10						1						1.82SE, 0.82SW,	
30-17	2540+45.0	49.5' RT	9.34									1			0.13NE,	
30-18	2540+45.0	44.8' RT	9.84												0.03W,	
30-19	2540+45.0	39.5' RT	9.94					1							-0.32N, -0.07E, -0.07W,	
30-20	2540+45.0	8.9' LT	7.32			1									0.4E,	162
30-21	2540+65.0	39.5' RT	10.10						1						-3.3N, -3.27NE, -0.39S, -4.34W,	
30-22	2541+67.2	79.6' RT	10.91						1						-2.87N, -2.97W,	
30-23	2541+65.0	39.5' RT	10.44						1						-3.03E, -3.13S, 0.64W,	
30-24	2541+65.0	7.5' LT	8.21			1									1.11E,	162
31-01	2542+64.2	88.3' RT	10.31			1									-1.11W,	
31-02	2542+64.2	78.8' RT	10.64						1						-2.61N, -1.21E, -2.71S,	
31-03	2543+33.6	49.5' RT	10.46			1									1.42NE,	
31-04	2543+53.9	89.3' RT	10.02			1									-0.83W,	

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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STRUCTURES
SCALE: 1"=N.T.S. DRAWN BY:
DATE: 07/07/05 CHECKED BY:

DS-18
06/28/2005 12:46:01 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	134
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62300		• (1818, ETC, 2324.6-1PJR-8)		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8C	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA T1F CL	MAN TA 5 DIA T1F CL	MAN TA 6 DIA T1F CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA T1F CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
31-05	2543+54.2	79.9' RT	9.56						1						-1.68N, -0.93E, -2.43S, 1.07SW,	
31-06	2544+49.4	87.3' RT	9.23									1			-1.19NE,	
31-07	2544+49.3	82.6' RT	8.27												-0.64W,	
31-08	2544+49.2	77.4' RT	8.48						1						0.72N, -0.74E, -1.49S, 1.26W,	
31-09	2544+50.0	44.6' RT	8.95	1											1.59E, 1.69W,	
31-10	2544+50.0	7.5' LT	8.38		1										2.21E,	162
31-11	2545+69.3	84.1' RT	7.79									1			1.79NE,	
31-12	2545+69.2	79.4' RT	7.53												1.69W,	
31-13	2545+69.1	74.1' RT	7.61					1							1.59E, 1.09S, 1.65W,	
31-14	2545+70.0	43.4' RT	8.12	1											1.96E, 2.06W,	
31-15	2545+70.0	7.5' LT	7.69		1										2.57E, 2.67NW,	162
31-16	2547+29.3	79.8' RT	5.33									1			T.B.D.	
31-17	2547+29.2	75.1' RT	5.85												-3.1W,	
31-18	2547+29.1	69.9' RT	6.06					1							-4.45N, -3.2E, 0.1W,	
31-19	2547+30.0	41.8' RT	6.54	1											0.38E, 0.48W,	
31-20	2547+30.0	7.5' LT	6.09			1									0.97E,	162
32-01	2548+74.2	75.9' RT	3.08									1			-8.61NE,	
32-02	2548+74.1	71.2' RT	3.83												-8.71W,	
32-03	2548+74.0	66.0' RT	4.04						1						-8.91N, -8.81E, -4.9S, -3.38W,	
32-04	2548+85.0	7.5' LT	3.87			1									-2.64E, -2.55W,	162
32-05	2550+99.2	69.9' RT	-0.42									1			-8.3E,	
32-06	2550+99.1	65.2' RT	0.40												-8.4W,	
32-07	2550+99.0	60.0' RT	0.61						1						-9.98N, -8.5E, -9.28S, -5.26W,	
32-08	2551+00.0	7.5' LT	0.60			1									-4.59E,	162
32-09	2551+79.1	67.7' RT	-1.67									1			-10.32E,	
32-10	2551+79.0	63.1' RT	-0.77												-10.42W,	
32-11	2551+78.9	57.8' RT	-0.56							1					-12.27N, -10.52E, -10.08S, -8.97W,	
32-12	2551+80.0	7.5' LT	-0.61			1									-8.32E, -8.22W,	162
32-13	2553+92.7	63.1' RT	-4.63									1			T.B.D.	
32-14	2553+92.6	58.4' RT	-3.47												-10.74N, -10.84W,	
32-15	2553+92.6	53.2' RT	-3.26						1						-13.11N, -10.94E, -12.54S, -13.78W,	
32-16	2553+83.0	7.5' LT	-3.32			1									-8.6N,	162
33-01	2554+09.1	62.8' RT	-4.76									1			T.B.D.	
33-02	2554+09.0	58.2' RT	-3.59												-10.59S, -9.29W,	
33-03	2554+10.0	7.5' LT	-3.53			1									-8.69E,	162
33-04	2555+10.0	61.5' RT	-4.64									1			-9.55E,	
33-05	2555+10.0	56.8' RT	-3.97												-9.64N,	
33-06	2555+10.0	7.5' LT	-3.92			1									-8.94N,	162
33-07	2555+21.7	61.7' RT	-5.23										1		T.B.D.	
33-08	2555+23.7	56.8' RT	-3.97												-11.87N, -9.78S, -12.3W,	
33-09	2555+23.7	51.5' RT	-3.76						1						-12.6N, -12.4E, -12.85S, -10.02W,	
33-10	2555+23.7	7.5' LT	-3.92	1											-9.08N, -9.43E, -9.08S,	162
33-11	2555+35.0	61.5' RT	-4.65									1			-11.76NE,	
33-12	2555+35.0	56.8' RT	-3.97												-11.86S,	
33-13	2555+35.0	7.5' LT	-3.92			1									-8.97S,	162

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STRUCTURES
SCALE: 1"=N.T.S.
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	135
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62300		• (818, ETC, 2324.6-1PIK-8)		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8G	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA TIF CL	MAN TA 5 DIA TIF CL	MAN TA 6 DIA TIF CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA TIF CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
33-14	2555+90.0	62.8' RT	-4.98			1									-10.68W,	
33-15	2555+90.0	56.8' RT	-3.84			1									-10.78E, -10.98W,	
33-16	2555+90.0	51.5' RT	-3.63					1							-11.07N, -11.08E, -12.33S, -9.52W,	
33-17	2555+90.0	7.5' LT	-3.79			1									-8.93E,	162
33-18	2556+80.0	61.5' RT	-3.83									1			-10.39E,	
33-19	2556+80.0	56.8' RT	-3.24												-10.49W,	
33-20	2556+80.0	51.5' RT	-3.03					1							-10.23N, -10.59E, -10.69S, -10.35W,	
33-21	2556+80.0	7.5' LT	-3.18			1									-9.8E, -9.7W,	162
33-22	2558+25.0	61.5' RT	-2.13									1			-8.52E,	
33-23	2558+25.0	56.8' RT	-1.64												-8.62W,	
33-24	2558+25.0	51.5' RT	-1.43						1						-8.72E, -8.82S, -7.32W,	
33-25	2558+25.0	7.5' LT	-1.59			1									-6.77E,	162
34-01	2560+20.0	61.5' RT	-0.34									1			-7.39NE,	
34-02	2560+20.0	56.8' RT	-0.24												-7.49NW,	
34-03	2560+30.0	51.5' RT	0.01						1						-7.65E, -8.6W,	
34-04	2560+20.0	7.5' LT	-0.19			1									-5.4NE,	162
34-05	2563+10.0	61.5' RT	-0.43									1			-9.85NE, -10.25E,	
34-06	2563+10.0	56.8' RT	-0.28												-10.35W,	
34-07	2563+10.0	51.5' RT	-0.07					1							-10.71N, -10.45E, -6.01W,	
34-08	2563+10.0	7.5' LT	-0.23			1									-5.42E,	162
34-09	2564+77.7	51.5' RT	-1.25						1						-10.56N, -11.13S, -11.23W,	
34-10	2565+10.0	61.5' RT	-2.39									1			-9.77E,	
34-11	2565+10.0	56.8' RT	-1.78												-9.87W,	
34-12	2565+10.0	51.5' RT	-1.57					1							-9.98E, -10.46S, -9.23W,	
34-13	2565+10.0	7.5' LT	-1.73			1									-8.54N, -8.64E,	162
34-14	2565+55.0	7.5' LT	-2.23			1									-8.09S, -7.99W,	162
35-01	2567+00.0	61.5' RT	-4.39									1			-10.93E,	
35-02	2567+00.0	56.8' RT	-3.69												-11.03W,	
35-03	2567+00.0	51.5' RT	-3.48					1							-12.63N, -11.13E, -9.43W,	
35-04	2567+00.0	7.5' LT	-3.64			1									-8.84E,	162
35-05	2567+75.0	61.5' RT	-4.63									1			-11.69E,	
35-06	2567+75.0	56.8' RT	-3.94												-11.79N,	
35-07	2567+75.0	7.5' LT	-3.88			1									-11.4N, -11.3W,	162
35-08	2567+83.8	61.5' RT	-4.68										1		T.B.D.	
35-09	2567+86.5	56.8' RT	-3.94												-9.75N, -11.89S, -11.58W,	
35-10	2567+86.5	51.5' RT	-3.73							1					-12.93N, -11.68E, -12.83S, -12.46W,	
35-11	2567+86.5	7.5' LT	-3.89	1											-9.16N, -11.87E, -11.52S,	162
35-12	2568+00.0	61.5' RT	-4.63									1			T.B.D.	
35-13	2568+00.0	56.8' RT	-3.93												-9.62S,	
35-14	2568+00.0	7.5' LT	-3.88			1									-9.03S,	162
35-15	2568+40.0	61.5' RT	-4.53									1			-11.43E,	
35-16	2568+40.0	56.8' RT	-3.85												-11.53W,	
35-17	2568+40.0	51.5' RT	-3.64						1						-13.13N, -11.63E, -13.03S,	
35-18	2568+40.0	7.5' LT	-3.79			1									-8.95NE,	
35-19	2568+51.0	51.5' RT	-3.59							1					-13.37N, -13.15S, -12.52W,	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STRUCTURES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	136
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		• (1818, ETC, 2324.6-1PIR-8		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8C	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA TIF CL	MAN TA 5 DIA TIF CL	MAN TA 6 DIA TIF CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA TIF CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
35-20	2570+40.0	61.5' RT	-2.37									1			-11.47E,	
35-21	2570+40.0	56.8' RT	-1.80												-11.57W,	
35-22	2570+40.0	51.5' RT	-1.59					1							-11.67E, -12.92S, -9.99W,	
35-23	2570+40.0	7.5' LT	-1.75				1								-9.4E, -9.3W,	162
36-01	2572+45.0	61.5' RT	0.67									1			-7.35E,	
36-02	2572+45.0	56.8' RT	1.03												-7.45W,	
36-03	2572+45.0	51.5' RT	1.24					1							-8.05N, -7.55E, -4.7W,	
36-04	2572+45.0	7.5' LT	1.08				1								-4.11E,	162
36-05	2572+62.5	51.5' RT	1.40						1						-8.6N, -8.08S, -11.29W,	
36-06	2574+20.0	51.5' RT	2.20					1							-7.18E, -7.93S,	
36-07	2576+10.0	51.5' RT	1.59					1							-8.16N, -8.02E,	
36-08	2576+10.0	63.6' RT	0.79				1								-7.8E, -7.9W,	
36-09	2577+50.0	63.6' RT	-0.73				1								-10.56NE, -10.66W,	
36-10	2577+50.0	56.8' RT	-0.17				1								-10.76E, -10.86W,	
36-11	2577+50.0	51.5' RT	0.04						1						-12.42N, -10.96E, -8.78S, -6.07W,	
36-12	2577+15.0	7.5' LT	0.36				1								-5.38E,	162
37-01	2579+60.0	61.5' RT	-4.03									1			-12.13E,	
37-02	2579+60.0	56.8' RT	-3.94												-12.23W,	
37-03	2579+60.0	51.5' RT	-3.73						1						-12.96N, -12.33E, -12.86S, -9.79W,	
37-04	2579+60.0	7.5' LT	-3.89				1								-9.2E, -9.1W,	162
37-05	2579+91.8	51.5' RT	-4.20						1						-15.13N, -13.01S, -16.13W,	
37-06	2581+40.0	61.5' RT	-5.70									1			-11.85E,	
37-07	2581+40.0	56.8' RT	-5.68												-11.95W,	
37-08	2581+40.0	51.5' RT	-5.47						1						-14.64N, -12.05E, -14.89S, -11.4W,	
37-09	2581+40.0	7.5' LT	-5.63				1								-10.81E,	162
37-10	2581+70.0	61.8' RT	-6.27									1			T.B.D.	
37-11	2581+70.0	56.8' RT	-5.75												-11.46N,	
37-12	2581+70.0	7.5' LT	-5.70				1								-10.87N,	162
37-13	2581+81.2	62.2' RT	-6.26	1											-12.16W,	
37-14	2581+85.0	56.8' RT	-5.75				1								-13.85N, -12.26E, -11.61S, -13.95W,	
37-15	2581+85.0	51.5' RT	-5.54						1						-12.92N, -14.05E, -14.55S, -11.96W,	
37-16	2581+85.0	7.5' LT	-5.70				1								-11.02N, -11.37E, -11.02S,	162
37-17	2582+00.0	62.7' RT	-6.25				1								-13.4E, -13.5W,	
37-18	2582+00.0	56.8' RT	-5.75				1								-13.6E, -13.7S,	
37-19	2582+00.0	7.5' LT	-5.70				1								-10.87S,	162
37-20	2583+20.0	61.5' RT	-5.08									1			-11.18NE, -11.18E,	
37-21	2583+20.0	56.8' RT	-5.10												-11.28W,	
37-22	2583+20.0	51.5' RT	-4.89					1							-11.38E, -12.35S, -10.82W,	
37-23	2583+20.0	7.5' LT	-5.05				1								-10.23E,	162
38-01	2584+30.0	61.5' RT	-3.57									1			-11.04SE,	
38-02	2584+30.0	56.8' RT	-3.60												-11.14W,	
38-03	2584+29.7	51.5' RT	-3.39						1						-13.94N, -11.24E, -14.44W,	
38-04	2584+50.0	7.5' LT	-3.18				1								-8.74S,	162
38-05	2586+15.0	61.5' RT	0.43									1			-11.66E, -11.66SE,	
38-06	2586+15.0	56.8' RT	0.28												-11.91W,	

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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STRUCTURES
SCALE: 1"=N.T.S
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	137
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		• (1818, ETC. 2324.6-1PK-8)		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA T1F OL	CB TA 4 DIA T8G	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA T1F CL	MAN TA 5 DIA T1F CL	MAN TA 6 DIA T1F CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA T1F CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
38-07	2586+15.0	51.5' RT	0.49						1						-8.06N, -12.01E, -13.76S, -10.06W,	
38-08	2586+15.0	7.5' LT	0.33			1									-9.47E, -5.49SW,	162
38-09	2588+15.0	61.5' RT	4.67									1			-5.64E, -5.64SE,	
38-10	2588+15.0	56.8' RT	4.48												-5.74W,	
38-11	2588+15.0	51.5' RT	4.69						1						-5.8N, -5.84E, -7.84S, -1.33W,	
38-12	2588+15.0	7.5' LT	4.53			1									-0.74E, -0.64SW,	162
39-01	2590+05.0	61.5' RT	7.84									1			-3.36NE, -3.36E, -3.36SE,	
39-02	2590+05.0	56.8' RT	7.69												-3.46W,	
39-03	2590+05.0	51.5' RT	7.90						1						-0.46N, -3.56E, -5.56S, 2.01W,	
39-04	2590+05.0	7.5' LT	7.74			1									2.6E, 2.7W,	162
39-05	2591+80.0	61.5' RT	9.99									1			1.78E, 1.78SE,	
39-06	2591+80.0	56.8' RT	9.88												1.68W,	
39-07	2591+80.0	51.5' RT	10.09						1						1.69N, 1.58E, -0.17S, 3.41W,	
39-08	2591+80.0	7.5' LT	9.93			1									4E, 4.1SW,	162
39-09	2593+30.0	61.5' RT	11.23									1			3.94E, 3.94SE,	
39-10	2593+30.0	56.8' RT	11.16												3.84W,	
39-11	2593+30.0	51.5' RT	11.37						1						3.21N, 3.74E, 1.99S, 5.47W,	
39-12	2593+30.0	7.5' LT	11.21			1									6.06E,	162
39-13	2594+40.0	61.5' RT	11.80									1			5.25E, 5.25SE,	
39-14	2594+40.0	56.8' RT	11.75												5.15W,	
39-15	2594+40.0	51.5' RT	11.96					1							5.05E, 3.55S, 5.28W,	
39-16	2594+40.0	7.5' LT	11.80			1									5.87E, 5.97SW,	162
40-01	2597+70.0	61.5' RT	11.73									1			5.31NE, 5.31E,	
40-02	2597+70.0	56.8' RT	11.77												5.21W,	
40-03	2597+70.0	51.5' RT	11.98					1							4.61N, 5.11E, 5.94W,	
40-04	2597+70.0	7.5' LT	11.82			1									6.63NW, 6.53E,	162
40-05	2598+70.0	62.3' RT	10.70			1									4.28NE, 4.28E, 4.18W,	
40-06	2598+75.0	55.8' RT	10.66			1									3.98SE, 4.08SW,	
40-07	2598+70.0	51.5' RT	11.46					1							3.13N, 3.88E, 4.3S, 5.51W,	
40-08	2598+70.0	7.5' LT	11.30			1									6.1E,	162
40-09	2600+20.0	61.5' RT	9.92									1			0.66NE, 0.66E,	
40-10	2600+20.0	56.8' RT	10.02												0.56W,	
40-11	2600+20.0	51.5' RT	10.23						1						-1.04N, 0.46E, 2.77S, 4.19W,	
40-12	2600+20.0	7.5' LT	10.07			1									4.88NW, 4.78E,	162
41-01	2602+05.0	61.5' RT	7.60									1			-2.13NE, -2.13SE,	
41-02	2602+05.0	56.8' RT	7.75												-2.23W,	
41-03	2602+05.0	51.5' RT	7.96						1						-4.33N, -2.33E, -1.35S, 1.9W,	
41-04	2602+05.0	7.5' LT	7.80			1									2.59NW, 2.49E,	162
41-05	2604+00.0	61.5' RT	4.25									1			-9.11NE, -9.11E,	
41-06	2604+00.0	56.8' RT	4.46												-9.21W,	
41-07	2604+00.0	51.5' RT	4.67						1						-11.31N, -9.31E, -4.58S, -1.38W,	
41-08	2604+00.0	7.5' LT	4.51			1									-0.69NW, -0.79E,	162
41-09	2606+00.0	61.5' RT	0.45									1			-9.72NE, -9.72E,	
41-10	2606+00.0	56.8' RT	0.59												-9.82W,	
41-11	2606+00.0	51.5' RT	0.80						1						-12.42N, -9.92E, -11.52S, -5.29W,	

BOWMAN, BARRETT & ASSOCIATES INC.
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STRUCTURES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	138
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		• (1818, ETC, 2324.6-1PIR-8)		

SCHEDULE OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8G	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA TIF CL	MAN TA 5 DIA TIF CL	MAN TA 6 DIA TIF CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA TIF CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
41-12	2606+00.0	7.5' LT	0.65			1									-4.6NW, -4.7E,	162
41-13	2607+30.0	61.5' RT	-0.99									1			-10.24NE, -10.24E,	
41-14	2607+30.0	56.8' RT	-0.95												-1.34W,	
41-15	2607+30.0	51.5' RT	-0.74						1						-12.94N, -10.44E, -12.54S, -6.81W,	
41-16	2607+30.0	7.5' LT	-0.90			1									-6.12NW, -6.22E,	162
41-17	2607+66.4	51.5' RT	-0.96							1					-10.6N, -12.97S, -14.94W,	
42-01	2608+10.0	61.5' RT	-1.41									1			-8.27NE,	
42-02	2608+10.0	56.8' RT	-1.31												-8.37N,	
42-03	2608+10.0	7.5' LT	-1.26			1									-6.48NW, -6.48N,	162
42-04	2608+33.9	56.8' RT	-1.33	1											-8.93N, -8.61S, -9.28W,	
42-05	2608+33.9	51.5' RT	-1.12						1						-9.79N, -9.38E, -10.53S, -8.71W,	
42-06	2608+33.9	7.5' LT	-1.28	1											-6.62N, -8.12E, -6.72S, -8.12W,	162
42-07	2608+50.0	61.5' RT	-2.01									1			-8.57N, -8.67W,	
42-08	2608+50.0	56.8' RT	-1.32												-8.77E, -8.87S,	
42-09	2608+50.0	7.5' LT	-1.27			1									-6.46S,	162
42-10	2608+64.3	62.4' RT	-1.98	1											-7.71N, -8.47S,	
42-11	2608+80.0	63.0' RT	-1.95			1									-7.14S,	
42-12	2609+80.0	61.5' RT	-1.12									1			-6.29N, -8.12E, -8.12SE,	
42-13	2609+80.0	56.8' RT	-0.59												-8.22W,	
42-14	2609+80.0	51.5' RT	-0.38						1						-8.9N, -8.32E, -9.57S, -6.49W,	
42-15	2609+80.0	7.4' LT	0.06			1									-5.9E, -5.8W,	162
42-16	2609+94.0	61.5' RT	-1.03			1									-6.15S,	
42-17	2611+65.0	61.5' RT	0.54									1			-7.14NE, -7.14E, -7.14SE,	
42-18	2611+65.0	56.8' RT	1.11												-7.24W,	
42-19	2611+65.0	51.5' RT	1.32						1						-6.43N, -7.34E, -8.59S, -4.81W,	
42-20	2611+65.0	4.3' LT	1.29			1									-4.15NW, -4.25E,	162
42-21	2613+90.0	61.5' RT	2.50									1			-4.78E,	
42-22	2613+90.0	56.8' RT	2.86												-4.88W,	
42-23	2613+90.0	51.5' RT	3.07						1						-4.98E, -5.73S, -2.65W,	
42-24	2613+90.0	4.2' LT	3.04			1									-2.09E,	162
43-01	2617+45.0	61.5' RT	1.96									1			-8.13E, -8.13SE,	
43-02	2617+45.0	56.8' RT	2.48												-8.23W,	
43-03	2617+45.0	51.5' RT	2.69						1						-8.83N, -8.33E, -3.05W,	
43-04	2617+45.0	4.3' LT	2.66			1									-2.49E,	162
43-05	2619+65.0	61.5' RT	-0.42									1			-9.31NE, -9.31SE,	
43-06	2619+65.0	56.8' RT	0.41												-9.41W,	
43-07	2619+65.0	51.5' RT	0.62						1						-10.76N, -9.51E, -9.29S, -5.08W,	
43-08	2619+65.0	5.5' LT	0.54			1									-4.52E,	162
44-01	2620+81.6	51.5' RT	-0.57						1						-13.61N, -13.44E, -10.93S, -15.94W,	
44-02	2621+68.0	61.5' RT	-2.66			1									-8.32N, -7.92E,	
44-03	2621+85.0	61.8' RT	-3.33									1			-8.48S,	
44-04	2621+85.0	56.8' RT	-1.80												-11.41W,	
44-05	2621+85.0	51.5' RT	-1.59						1						-13.26N, -11.51E, -13.51S, -7.48W,	
44-06	2621+85.0	6.9' LT	-1.73			1									-6.9E,	162
44-07	2622+93.0	61.5' RT	-3.33			1									-8.54N,	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED STRUCTURES

SCALE: 1"=N.T.S
 DATE: 07/07/05

DRAWN BY: JAM
 CHECKED BY: DDM

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
 www.bbainc.com



12-46-02 PM 06/28/2005

SCHEDULE OF DRAINAGE STRUCTURES

62300

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	139
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1818, ETC, 2324.6-1PK-8)

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	CB TA 4 DIA TIF OL	CB TA 4 DIA T8G	CB TA 4 DIA T20F&G	CB TA 5 DIA T20F&G	MAN TA 4 DIA TIF CL	MAN TA 5 DIA TIF CL	MAN TA 6 DIA TIF CL	IN TB T20F&G	DR STR T1 W/2 T20F&G	DR STR T2 W/2 T22F&G	MAN DT 6 DIA TIF CL	INVERT ELEVATIONS	TEMP. SOIL RET. SYSTEM (SQ FT)
44-08	2623+03.4	61.5' RT	-3.33									1			-11.22E, -8.64S,	
44-09	2623+03.4	56.8' RT	-2.32												-11.32N,	
44-10	2623+03.4	7.5' LT	-2.27	1											-7.45N,	162
44-11	2623+13.3	61.5' RT	-3.33									1			-11.09NE,	
44-12	2623+13.3	56.8' RT	-2.32												-7.64N, -11.42S, -11.52W,	
44-13	2623+13.3	51.5' RT	-2.11						1						-12.87N, -11.62E, -13.12S, -8.24W,	
44-14	2623+13.3	7.2' LT	-2.26	1											-7.55N, -7.65E, -7.55S,	162
44-15	2623+30.0	56.8' RT	-2.31			1									-7.47S,	
44-16	2623+30.0	7.0' LT	-2.24			1									-7.38S,	162
44-17	2624+30.0	61.5' RT	-2.75									1			-11.02NE, -11.02E,	
44-18	2624+30.0	56.9' RT	-3.82												-11.12W,	
44-19	2624+30.0	51.5' RT	-1.68						1						-11.32N, -11.22E, -12.72S, -8.89W,	
44-20	2624+30.0	6.8' LT	-1.81			1									-8.2NW, -8.2N, -8.3E,	162
44-21	2625+10.0	7.5' LT	-1.16			1									-7.3NW, -7.4S,	162
45-01	2626+50.0	61.5' RT	-0.41									1			-8.62N, -9.42NE,	
45-02	2626+50.0	56.8' RT	0.00												-9.52W,	
45-03	2626+50.0	51.5' RT	0.21						1						-9.62E, -10.77S, -9.69W,	
45-04	2626+50.0	7.5' LT	0.05			1									-9.1E, -9W,	162
45-05	2630+95.0	61.5' RT	0.44									1			-7.23E,	
45-06	2630+95.0	56.8' RT	0.26												-7.33W,	
45-07	2630+95.0	51.5' RT	0.47						1						-8.18N, -7.43E, -6.9W,	
45-08	2630+95.0	7.5' LT	0.31			1									-6.21N, -6.31E,	162
45-09	2631+60.0	7.5' LT	-0.33			1									-5.56S, -5.46W,	162
46-01	2632+60.0	61.5' RT	-1.17									1			-8.76E, -8.76SE,	
46-02	2632+60.0	56.8' RT	-1.37												-8.86W,	
46-03	2632+60.0	51.5' RT	-1.16							1					-9.96N, -8.96E, -8.58S, -7.3W,	
46-04	2632+60.0	7.5' LT	-1.32			1									-6.71E, -6.61SW,	162
46-05	2634+05.0	61.5' RT	-2.57									1			-10.1E,	
46-06	2634+05.0	56.8' RT	-2.80												-10.2W,	
46-07	2634+05.0	51.5' RT	-2.59						1						-11.55N, -10.3E, -10.25S, -8.59W,	
46-08	2634+05.0	7.5' LT	-2.75			1									-8E, -7.9S, -7.9SW,	162
46-09	2635+35.0	62.7' RT	-4.27			1									-10.77W,	
46-10	2635+35.0	56.8' RT	-4.05			1									-10.87E, -10.97W,	
46-11	2635+35.0	51.5' RT	-3.84						1						-12.53N, -11.07E, -11.74S, -9.7W,	
46-12	2635+35.0	7.5' LT	-3.99			1									-9.11E,	162
46-13	2636+30.0	62.7' RT	-4.66			1									-9.87W,	
46-14	2636+30.0	56.8' RT	-4.44			1									-10.07N, -9.97E,	
46-15	2636+30.0	7.5' LT	-4.39			1									-9.57N,	162
46-16	2636+41.8	62.7' RT	-4.67	1											-13.75W,	
46-17	2636+42.5	56.8' RT	-4.45	1											-13.6N, -13.85E, -10.2S, -13.95W,	
46-18	2636+42.5	51.5' RT	-4.24						1						-15.55N, -14.05E, -12.67S, -10.65W,	
46-19	2636+42.5	7.5' LT	-4.40	1											-9.71N, -10.06E, -9.61S,	162
46-20	2636+65.0	62.7' RT	-4.65			1									-10.6E, -10.08S, -13.18W,	
46-21	2636+65.0	56.8' RT	-4.43			1									-13.28E, -13.38S,	
46-22	2636+65.0	7.5' LT	-4.38			1									-9.58S,	162
46-23	2633+40.0	7.5' LT	-2.11			1									-7.25N, -7.15W,	162
46-24	2637+69.5	55.7' RT	-3.80						1						-13.93E, -13.93SE, -15.68S, -15.93W,	
TOTALS:				25	1	273	4	54	141	1	28	62	2	1		

DS-24


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED STRUCTURES

SCALE: 1"=10.0'
 DATE: 07/07/05

DRAWN BY: JAM
 CHECKED BY: DDM

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
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12-46202.PM 06/28/2005

SCHEDULE OF STORM SEWERS

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T2 12	SS CL A T2 15	SS CL A T2 18	SS CL A T2 21	SS CL A T2 24	SS CL A T2 27	SS CL A T2 30	SS CL A T2 33	SS CL A T2 36	SS CL A T2 42	SS CL A T2 48	SS CL A T3 12	SS CL A T3 21	SS CL A T3 24	SS CL A T3 30	SS CL A T3 36	SS CL A T3 42	SS CL B T1 12	SS CL B T1 15	TRENCH BACKFILL
1-01	1-03	1.00		32																						6.9
1-02	1-03	1.00	49																							10.4
1-04	EXIST.	0.50		69																						14.7
1-05	1-06	1.00	41																							7.1
1-06	EXIST.	0.50		67																						14.3
2-01	2-02	0.54	69																							9.5
2-02	2-03	1.00	44																							7.6
2-04	2-03	1.00	20																							3.5
2-03	EXIST.	1.00	58																							13.7
2-05	2-06	0.44	67																							10.2
2-06	2-07	0.50	24																							5.2
2-07	2-08	0.60	11																							2.0
2-09	2-08	0.60	11																							2.0
2-08	EXIST.	0.60	63																							13.1
2-10	2-09	0.50	30																							5.4
3-02	DMH 3-01	0.40		18																						3.1
EXIST.	3-02	0.50	12																							2.5
3-03	3-04	1.00	1																							10.5
3-11	3-04	0.90									77															4.5
EXIST.	DMH 3-01	0.26																				57				78.4
3-04	DMH 3-01	0.71									49															10.8
3-07	3-06	0.50						3																		0.9
EXIST.	3-07	0.50		10																						2.8
3-09	3-06	0.78						111																		40.4
3-10	3-08	1.00						53																		17.4
3-08	3-09	1.00						3																		1.2
3-05	3-11	1.00		2																						0.5
3-06	3-11	1.00							144																	40.6
4-01	EXIST.	1.00						56																		47.9
4-02	EXIST.	1.00						88																		76.7
5-01	DMH 5-01	1.00	15																							2.9
5-02	5-03	0.46	11																							1.7
5-03	5-04	0.42		14																						1.7
5-07	5-08	0.46	8																							1.2
5-08	5-09	0.46	13																							2.3
5-04	5-09	0.42		49																						7.0
5-10	EXIST.	1.00	76																							14.0
5-11	5-12	1.00						50																		18.3
5-12	EXIST.	3.00						32																		12.4
5-13	EXIST.	1.00		86																						0.0
5-09	5-13	0.68		15																						10.7
EXIST.	DMH 5-01	0.15										65														84.0
6-01	6-02	1.00						50																		15.5
6-02	EXIST.	3.00						38																		53.9
6-05	EXIST.	1.50							63																	44.0
6-03	6-04	1.00						50																		15.5
6-04	6-05	2.00							5																	4.6
6-06	6-05	2.00							113																	0.0
6-07	6-06	1.00						78																		29.1
6-09	6-10	0.50		9																						0.0
7-01	7-02	1.00						48																		15.4
7-05	7-02	2.00						2																		1.3
7-02	7-03	0.40																				164				284.5
7-06	7-03	0.50						44																		12.4
7-03	7-04	0.25										103														171.2
7-08	7-04	0.50	7																							1.4
7-09	7-04	0.43										24														41.9
7-04	7-07	0.44											28													53.3
7-10	7-09	0.33										31														50.2
8-01	7-07	0.30							44																	12.2
8-02	7-10	0.50	2																							0.5
8-04	7-10	0.30								95																10.5
8-03	8-04	1.00	12																							2.1
8-05	8-04	0.52							62																	44.6
8-06	8-05	1.00						2																		0.8
8-07	8-05	0.40							55																	16.8
8-08	8-07	1.00	56																							13.2
8-09	8-07	1.00	2																							0.5
EXIST.	8-10	0.50		1																						0.5
8-10	8-11	0.73	15																							2.3
8-12	8-11	0.30								65																21.5
8-11	DMH 8-01	0.17									58															66.5

F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.
 94/90 * COOK 556 140
 STA. TO STA. ILLINOIS FED. AID PROJECT
 62300 • (1818, ETC, 2324.6-1PIR-8

NOTE: * INDICATED STRUCTURE BEEN CONSTRUCTED IN CONTRACT 62302



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 PROPOSED STORM SEWERS
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJO
 CHECKED BY: LPN

DS-25

06/27/2005 07:42:37 PM

SCHEDULE OF STORM SEWERS

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T2 12	SS CL A T2 15	SS CL A T2 18	SS CL A T2 21	SS CL A T2 24	SS CL A T2 27	SS CL A T2 30	SS CL A T2 33	SS CL A T2 36	SS CL A T2 42	SS CL A T2 48	SS CL A T3 12	SS CL A T3 21	SS CL A T3 24	SS CL A T3 30	SS CL A T3 36	SS CL A T3 42	SS CLB T1 12	SS CLB T1 15	TRENCH BACKFILL
14-03	14-02	1.60	6																							0.8
14-04	14-02	0.17											210													271.3
14-05	14-04	0.53	57																							9.9
14-06	14-04	1.68	2																							0.5
14-07	14-06	1.15	2																							0.5
15-01	14-04	0.21									97															80.1
15-02	15-01	0.36			57																					12.4
15-03	15-01	0.31							105																	40.2
15-04	15-03	0.53	57																							11.1
15-05	15-03	1.68	24																							4.7
15-09	15-07	0.50		2																						0.5
15-16	15-07	0.50									73															21.5
15-08	15-09	0.50	11																							1.7
15-10	15-09	0.50	11																							1.7
15-07	JC T2 15-01	0.15											49													36.8
15-13	JC T2 15-01	0.50		2																						0.5
15-12	15-13	0.50	11																							1.7
15-14	JC T2 15-01	0.50	11																							1.7
15-17	15-16	2.50	4																							0.7
15-18	15-16	0.55	56																							9.7
15-19	15-16	0.61							208																	84.9
15-15	15-17	0.55	22																							3.3
15-20	15-19	0.53	57																							10.0
15-21	15-19	0.72		6																						1.1
16-02	16-01	0.50	56																							9.7
16-03	16-01	1.00	3																							0.5
16-01	16-04	0.66							220																	61.8
16-05	16-04	3.30	3																							0.7
16-06	16-04	0.40		58																						11.1
17-01	17-02	0.50	11																							1.7
17-02	17-03	0.50		11																						2.1
17-03	JC T2 17-01	0.50						11																		2.3
16-04	17-06	0.22										47														16.6
17-07	17-06	0.50		2																						0.5
17-05	17-07	0.50	11																							1.7
17-08	17-07	0.50	11																							1.7
17-06	17-09	0.36										28														10.7
17-11	17-09	0.38		34																						5.7
17-09	JC T2 17-01	0.21											54													35.7
17-10	JC T2 17-01	0.50	40																							10.3
17-12	17-14	0.52	56																							9.9
17-13	17-14	0.36		20																						7.4
17-14	17-16	0.26							211																	182.7
17-15	17-16	1.26	8																							1.2
17-16	JC T2 17-02	0.16										54														69.9
17-17	JC T2 17-02	0.50					9																			1.4
18-01	18-02	0.30							41																	38.5
18-03	18-02	3.50	2																							0.5
18-04	18-02	0.50	56																							9.7
EXIST.	18-05	1.00	38																							6.1
18-02	18-06	0.30							202																	167.5
18-05	18-06	1.25	2																							0.5
18-07	18-06	0.53	56																							9.7
18-06	19-01	0.22										163														117.9
19-02	19-01	1.50					2																			0.7
19-05	19-01	0.30										67														19.7
19-01	JC T2 19-01*	0.21																								42.4
19-04	JC T2 19-01*	0.84	20												52											4.3
19-11	19-05	1.00		2																						0.5
19-14	19-05	0.28								82																16.3
19-07	19-06	0.50		11																						1.7
19-08	19-07	0.50	11																							1.7
19-06	JC T2 19-01*	0.50		42																						9.9
19-10	19-11	0.50	11																							1.7
19-12	19-11	0.50	11																							1.7
19-13	19-14	0.60	56																							9.9
19-15	19-14	1.33	3																							0.5
19-16	19-14	0.40							126																	31.2
19-17	19-16	0.50	56																							9.1
19-18	19-16	1.17	3																							0.5
EXIST.	19-16	0.50	67																							10.2
20-01	JC T2 20-01*	0.10													52											93.1

NOTE: * INDICATED STRUCTURE BEEN CONSTRUCTED IN CONTRACT 62302



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULE
 PROPOSED STORM SEWERS
 SCALE: 1" = N.T.S.
 DATE: 7/7/05
 DRAWN BY: MJO
 CHECKED BY: LPN

DS-27

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F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	142
STA. TO STA.		FED. AID PROJECT	
62300		(1818, ETC, 2324.6-1P/R-8	

SCHEDULE OF STORM SEWERS

F.A.I. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	143
STA. 62300		TO STA. (1818, ETC, 2324.6-1P/R-8)		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T2 12	SS CL A T2 15	SS CL A T2 18	SS CL A T2 21	SS CL A T2 24	SS CL A T2 27	SS CL A T2 30	SS CL A T2 33	SS CL A T2 36	SS CL A T2 42	SS CL A T2 48	SS CL A T3 12	SS CL A T3 21	SS CL A T3 24	SS CL A T3 30	SS CL A T3 36	SS CL A T3 42	SS CL B T1 12	SS CL B T1 15	TRENCH BACKFILL	
20-02	JC T2 20-01*	0.50	5																							0.8	
20-03	20-01	2.00	5																								0.8
20-12	20-01	0.30													76												114.6
20-05	20-04	0.61	54																								8.8
20-06	20-04	1.30	2																								0.5
20-04	20-12	0.20													107												186.5
EXIST.	20-12	1.00	5																								0.9
20-08	20-07	1.00						54																			15.0
20-09	20-07	5.00	15																								0.5
EXIST.	20-09	2.50							80																		12.0
20-07	20-04	0.15													184												326.8
20-11	20-10	0.16																									16.1
20-10	20-07	0.35										65		97													130.6
EXIST.	20-11	1.00	2																								0.5
21-01	20-11	0.25											41														56.6
21-02	21-01	0.50	55																								7.3
21-03	21-01	1.30	2																								0.5
21-04	21-01	0.50											188														266.8
21-05	21-04	0.51	59																								9.0
21-06	21-04	0.60	20																								3.0
EXIST.	21-04	0.50	2																								0.5
22-01	22-03	4.00	4																								0.6
22-02	22-03	0.78		3																							0.8
22-04	22-03	0.55	55																								9.7
22-05	22-06	1.10	45																								6.8
22-03	22-07	0.45											202														302.2
22-06	22-07	1.33	3																								0.6
22-08	22-07	0.57	55																								9.7
22-07	22-09	0.30																									245.4
22-10	22-09	2.50	4																								0.7
22-11	22-09	0.51	40																								6.9
22-09	JC T2 22-01	0.30																									72.8
22-12	JC T2 22-01	1.08	26																								4.5
22-14	JC T2 22-01	0.50	45																								8.7
23-01	23-02	3.50	6																								0.9
23-02	23-03	1.29																									1.2
23-04	23-03	0.60	55																								9.5
23-03	23-05	0.12													203												293.4
23-06	23-05	2.51	4																								0.7
23-09	23-05	0.23											185														126.9
23-05	JC T2 23-01*	0.10																									66.7
23-08	JC T2 23-01*	1.44	7																								1.2
23-10	23-09	0.54	57																								9.9
23-11	23-09	0.92		11																							2.0
24-02	24-01	1.68	6																								1.0
24-03	24-01	0.51	60																								10.4
24-01	24-04	0.40		78																							18.4
24-06	24-04	1.00		3																							0.5
24-05	24-06	0.50	11																								1.7
24-07	24-06	0.50	11																								1.7
24-09	24-10	0.50	11																								1.7
24-10	24-11	0.50		11																							2.1
24-11	24-12	0.50		47																							11.1
24-12	JC T2 24.01*	0.70																									0.9
24-04	24-13	0.42																									14.0
24-08	24-14	1.00	88																								4.0
24-15	24-13	0.15													51												23.5
24-13	JC T2 24.01*	0.11																									46.3
24-16	24-15	4.00	2																								0.5
24-17	24-15	0.15																									146.1
24-18	24-17	0.15													151												21.8
24-19	24-17	0.70	20												18												3.5
24-14	24-18	1.00	1																								0.5
24-20	24-18	0.50	44																								10.4
24-21	24-18	0.18													95												82.3
25-01	24-21	0.32																									122.3
EXIST.	24-21	0.50	20												83												3.5
25-02	25-01	0.50	23																								3.6
25-03	25-01	0.50	52																								9.0
25-04	25-05	0.50	42																								9.0
25-05	25-06	0.50		23																							3.8
25-07	JC T2 25-01	0.62	26																								4.0

NOTE: * INDICATED STRUCTURE BEEN CONSTRUCTED IN CONTRACT 62302



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION

**DRAINAGE SCHEDULE
 PROPOSED STORM SEWERS**

SCALE: 1" = N.T.S. DRAWN BY: MJO
 DATE: 7/1/05 CHECKED BY: LPN

DS-28

1403009035001 4815 CAD/PA/05/00328/97

SCHEDULE OF STORM SEWERS

F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	143A
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
62300		1818, ETC. 2324.6-1PJR-8	

FROM STRUCTURE	TO STRUCTURE	SLOPE %	SS CL A T1 12	SS CL A T1 15	SS CL A T1 18	SS CL A T1 21	SS CL A T2 12	SS CL A T2 15	SS CL A T2 18	SS CL A T2 21	SS CL A T2 24	SS CL A T2 27	SS CL A T2 30	SS CL A T2 33	SS CL A T2 36	SS CL A T2 42	SS CL A T2 48	SS CL A T3 12	SS CL A T3 21	SS CL A T3 24	SS CL A T3 30	SS CL A T3 36	SS CL A T3 42	SS CL B T1 12	SS CL B T1 15	TRENCH BACKFILL
25-08	25-06	0.32																								281.4
25-06	JC T2 25-01	0.32																			131					281.4
25-09	25-08	0.41		25																	45					86.6
25-10	25-08	0.45																								4.6
25-11	25-10	0.60	51																98							184.4
25-12	25-10	0.44							32																	8.8
25-13	25-01	1.00	2																							9.8
25-14	25-12	0.72					44																			0.5
25-15	25-06	1.00	6																							11.3
25-16	25-10	1.00	1																							0.5
26-01	25-14	0.50	212																							0.5
26-02	26-03	0.79		29																						41.1
26-03	26-05	0.79		6																						5.0
26-04	26-05	0.68	30																							1.3
26-05	JC T2 26-01	0.45																								5.8
26-06	JC T2 26-01	1.00	31								42															73.2
26-07	27-02	0.54	38																							4.7
27-01	27-02	0.57	36																							6.6
26-08	27-03	0.59	46																							6.2
27-02	27-03	0.84						3																		8.0
27-03	27-06	0.45												193												1.0
27-04	27-05	0.50	30																							178.9
27-05	27-06	1.68	6																							5.8
27-07	27-06	0.50	45																							1.0
27-06	27-08	0.32											71													7.8
27-10	27-08	1.44			7																					46.9
27-08	JC T2 27-01*	0.32																								1.0
27-09	27-10	0.64			2																					24.0
27-12	JC T2 27-01*	0.91	31																							0.5
27-13	27-14	2.00	8																							6.7
27-14	27-15	3.30	3																							1.2
27-15	27-17	0.20												129												0.5
27-16	27-17	4.00	44																							130.8
27-17	28-02	0.20													50											6.7
28-01	28-02	2.01	2																							11.7
28-02	28-03	0.15																			96					0.5
28-04	28-05	0.50	11																							130.7
28-06	28-05	1.00		11																						1.7
28-03	28-07	0.15																								1.8
28-05	28-07	0.34		3																	52					70.8
28-09	28-08	0.50		11																						0.5
28-10	28-09	0.50	11																							1.8
28-07	JC T2 28-01*	0.15																								1.9
28-08	JC T2 28-01*	1.00	3																		45					175.8
28-11	28-10	0.50	33																							0.6
28-12	28-06	0.50	35																							7.0
28-13	28-15	4.06						48																		7.2
28-14	28-15	3.30	3																							17.3
28-15	28-07	0.50		165																						0.5
																										31.5

DS-28A



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

NOTE: * INDICATED STRUCTURE BEEN CONSTRUCTED IN CONTRACT 62302

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION

DRAINAGE SCHEDULE
 PROPOSED STORM SEWERS

SCALE: 1" = N.T.S.
 DATE: 7/7/05

DRAWN BY: MJO
 CHECKED BY: LPN

06/27/2005 07:47:10 PM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	144
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1P1R-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
29-13	DMH29-01	42.1	36	0.10%																					42.1				76.4	
29-16	29-13	55.4	30	0.13%											55.4															31.9
30-03	29-16	127.7	30	0.15%											127.7															100.4
30-07	30-03	97.7	27	0.17%											97.7															81.4
30-11	30-07	97.7	27	0.21%											97.7															92.9
30-16	30-11	98.2	24	0.43%										98.2																38.6
29-15	29-16	0.8	12	1.00%						0.8																				
29-17	29-16	44.8	12	1.00%						44.8																				16.1
EX P	29-14	3.0	12	0.43%																							3.0		0.5	
EX CB	29-17	1.0	12	1.00%						1.0																				
30-02	30-03	0.8	12	1.00%						0.8																				
30-04	30-03	44.7	12	1.00%						44.7																				11.5
EX P	30-01	3.8	12	9.20%																							3.8		0.4	
30-06	30-07	0.8	12	1.00%						0.8																				
30-08	30-07	44.8	12	1.00%						44.8																				10.1
EX P	30-05	5.0	12	0.43%																							5.0		0.3	
30-10	30-11	0.8	12	1.00%						0.8																				16.1
30-12	30-11	46.2	12	1.00%						46.2																				1.0
EX P	30-09	5.6	12	4.73%																							5.6		6.3	
30-13	30-12	35.7	12	1.00%						35.7																				
EX P	30-13	1.0	12	1.00%						1.0																				
30-15	30-16	1.3	12	1.00%						1.3																				
29-11	29-13	65.0	27	0.16%																				65.0						106.7
29-07	29-11	120.0	27	0.18%										120.0																142.7
29-03	29-07	122.5	27	0.21%										122.5																74.0
29-02	29-03	1.3	12	1.00%						1.3																				
EX P	29-01	5.7	12	0.55%																							5.7		0.1	
29-04	29-03	43.7	12	1.00%						43.7																				11.1
29-06	29-07	0.8	15	1.00%							0.8																			4.0
29-08	29-07	44.8	12	1.00%						44.8																				1.5
EX P	29-05	6.0	15	0.32%																							6.0			
29-10	29-11	0.8	12	1.00%																	0.8									
29-12	29-11	44.9	12	1.00%						44.9																				4.6
30-21	DMH30-01	39.2	30	0.13%																					39.2				65.6	
30-23	30-21	97.7	30	0.17%																					97.7				172.2	
30-22	30-23	35.2	30	0.17%																					35.2				61.5	
31-02	30-22	95.4	30	0.17%																					95.4				169.6	
31-05	31-02	85.1	30	0.21%																					85.1				133.2	
31-08	31-05	90.0	21	0.21%									90.0																97.1	
31-13	31-08	115.5	18	0.32%								115.5																	33.2	
30-24	30-23	42.5	12	1.00%						42.5																				27.0
31-01	31-02	5.0	12	1.00%																	5.0									3.9
31-03	31-05	30.6	12	1.00%						30.6																				20.6
31-04	31-05	4.9	12	1.00%						4.9																				3.3
31-07	31-08	0.8	12	1.00%						0.8																				

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S.
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

DS-29

12/28/2005 12:46:07 PM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90 *		COOK	556	145
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62300		* (1818, ETC, 2324.6-1PIR-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
31-09	31-08	28.2	12	1.00%						28.2																				8.0
EX MH	31-06	16.4	12	1.00%																								16.4		13.8
31-10	31-09	48.1	12	1.00%						48.1																				11.2
31-12	31-13	1.3	12	1.00%						1.3																				
31-14	31-13	26.8	12	1.00%						26.8																				4.3
EX P	31-11	0.3	12	0.55%																								0.3		
31-15	31-14	46.9	12	1.00%						46.9																				5.6
EX CB	31-15	5.9	12	1.00%						5.9																				0.4
30-19	30-21	16.6	15	0.32%							16.6																			14.9
30-18	30-19	1.3	12	1.00%						1.3																				
30-20	DMH30-01	17.7	12	1.00%						17.7																				1.7
EX CB	30-17	10.9	12	1.00%																								10.9		6.0
EX P	30-21	45.0	24	0.38%																			45.0							70.3
32-15	JC32-01	50.0	42	0.10%															50.0											62.9
33-09	32-15	124.8	30	0.21%												124.8														109.3
33-16	33-09	61.8	27	0.44%											61.8															44.5
33-20	33-16	86.0	15	0.44%							86.0																			28.6
33-24	33-20	141.0	12	0.44%						141.0																				42.1
33-08	33-09	0.8	18	1.00%																										
33-10	33-09	54.5	15	1.00%							54.5																			7.7
33-05	33-08	9.7	12	1.00%						9.7																				1.1
33-12	33-08	7.3	18	1.00%																										2.2
33-06	33-10	9.7	12	1.00%						9.7																				0.6
33-13	33-10	7.3	12	1.00%						7.3																				0.4
EX CB	33-04	13.6	12	1.00%																								13.6		0.6
EX CB	33-11	21.5	18	1.00%											21.5															6.2
33-15	33-16	1.3	12	1.00%						1.3																				
33-17	33-16	55.0	12	1.00%						55.0																				6.2
33-14	33-15	2.0	12	1.00%						2.0																				0.1
33-19	33-20	1.3	15	1.00%							1.3																			
33-21	33-20	55.0	12	1.00%						55.0																				14.3
EX CB	33-21	0.9	12	1.00%						0.9																				
EX CB	33-18	1.8	15	1.00%																								1.8		0.0
33-23	33-24	1.3	12	1.00%						1.3																				
33-25	33-24	55.0	12	1.00%						55.0																				6.3
EX CB	33-22	1.8	12	1.00%																								1.8		0.0
32-11	32-15	208.7	36	0.13%															208.7											231.8
32-07	32-11	75.0	30	0.13%												75.0														74.8
32-03	32-07	220.0	30	0.17%																							220.0			289.6
31-18	32-03	140.5	27	0.32%											140.5															131.2
32-16	JC32-01	4.5	12	1.00%						4.5																				1.0
32-14	32-15	0.8	12	1.00%						0.8																				
33-02	32-14	11.0	12	1.00%						11.0																				2.7
33-03	JC32-01	4.6	12	1.00%						4.6																				1.0
32-10	32-11	0.8	15	1.00%							0.8																			

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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DS-30
12/4/03 PM
06/28/2005

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	146
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1P)R-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
32-12	32-11	60.8	12	1.00%						60.8																				22.6
EX P	32-09	1.0	15	3.14%																									1.0	
EX CB	32-12	0.4	12	1.00%						0.4																				
32-06	32-07	0.8	12	1.00%						0.8																				
32-08	32-07	63.0	12	1.00%						63.0																				7.2
EX P	32-05	1.0	12	4.16%																							1.0			
32-02	32-03	0.8	21	1.00%																		0.8								
32-04	32-03	69.8	12	1.00%						69.8																				18.2
EX P	32-01	1.0	18	0.64%			1.0																							
EX CB	32-04	0.4	12	1.00%						0.4																				
31-17	31-18	1.3	12	1.00%						1.3																				
31-19	31-18	24.1	12	1.00%						24.1																				5.1
31-20	31-19	45.3	12	1.00%						45.3																				5.4
34-03	DMH34-01	50.4	24	0.17%									50.4																	35.0
34-04	DMH34-01	4.8	12	1.00%						4.8																				0.3
34-02	34-03	6.8	12	1.00%						6.8																				1.6
EX CB	34-01	2.2	12	1.00%																							2.2			0.1
34-09	DMH34-02	48.6	30	0.13%												48.6														47.7
34-12	34-09	27.8	24	0.32%									27.8																	21.2
34-07	34-09	163.2	24	0.25%									163.2																	169.4
34-06	34-07	1.3	18	1.00%								1.3																		
34-08	34-07	55.0	12	1.00%						55.0																				6.5
EX CB	34-05	2.9	12	1.00%																							2.9			0.3
EX P	34-05	1.0	18	0.25%			1.0																							
34-11	34-12	7.3	15	1.00%							7.3																			3.6
34-13	34-12	55.0	12	1.00%						55.0																				16.1
EX CB	34-10	2.0	15	1.00%																								2.0		0.1
34-14	34-13	41.0	12	1.00%						41.0																				7.9
EX CB	34-14	0.4	12	1.00%						0.4																				
35-19	JC35-01	48.9	36	0.11%															48.9											60.9
35-22	35-19	184.5	30	0.25%												184.5														207.5
35-21	35-22	1.3	15	1.00%							1.3																			
35-23	35-22	55.0	12	1.00%						55.0																				20.2
EX CB	35-20	1.6	15	1.00%																								1.6		
EX CB	35-23	1.0	12	1.00%						1.0																				
35-17	35-19	6.0	30	0.15%												6.0														3.9
35-10	35-17	48.5	30	0.21%												48.5														39.7
35-03	35-10	82.0	30	0.25%												82.0														65.1
35-02	35-03	1.3	12	1.00%						1.3																				
35-04	35-03	55.0	12	1.00%						55.0																				6.5
EX CB	35-01	1.7	12	1.00%																							1.7			0.0
35-09	35-10	0.8	15	1.00%							0.8																			
35-11	35-10	54.5	15	1.00%							54.5																			34.8
35-06	35-09	7.5	15	1.00%							7.5																			2.2
35-13	35-09	9.5	12	1.00%						9.5																				1.1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED STORM SEWER PIPES
 SCALE: 1"=N.T.S. DRAWN BY: JAM
 DATE: 07/07/05 CHECKED BY: DDM

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DS-31
 12-4603 PM
 06/28/2005

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	147
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		• (1818, ETC. 2324.6-1)PR-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
35-07	35-11	7.5	12	1.00%						7.5																				1.9
35-14	35-11	9.5	12	1.00%						9.5																				0.7
EX CB	35-07	1.0	12	1.00%						1.0																				
EX CB	35-05	1.7	15	1.00%																								1.7	0.0	
35-16	35-17	0.8	12	1.00%						0.8																				
35-18	JC35-01	5.6	12	1.00%						5.6																				1.3
EX CB	35-15	1.8	12	1.00%																								1.8	0.0	
36-05	DMH36-01	49.6	21	0.21%																										72.6
36-06	36-05	153.0	21	0.44%									153.0																	150.4
36-03	36-05	13.0	18	0.25%								13.0																		9.7
36-02	36-03	1.3	12	1.00%						1.3																				
36-04	36-03	55.0	12	1.00%						55.0																				6.5
EX CB	36-01	2.1	12	1.00%																								2.1	0.2	
EX MH	36-01	13.2	12	1.00%																								13.2	4.5	
EX P	36-06	12.2	12	1.00%						12.2																				6.9
37-05	JC37-01	49.4	36	0.10%														49.4												74.4
37-08	37-05	143.2	24	0.17%										143.2																146.0
37-15	37-08	40.0	21	0.21%									40.0																	30.9
37-22	37-15	130.5	21	0.44%									130.5																	41.8
37-07	37-08	0.8	12	1.00%						0.8																				
37-09	37-08	54.5	12	1.00%						54.5																				6.3
EX CB	37-06	2.3	12	1.00%																								2.3	0.1	
37-14	37-15	0.8	15	1.00%							0.8																			
37-13	37-14	3.2	15	1.00%							3.2																			0.3
37-16	37-15	54.5	15	1.00%							54.5																			8.7
37-11	37-14	11.0	12	1.00%						11.0																				1.3
37-18	37-14	11.0	15	1.00%							11.0																			3.7
37-17	37-18	1.9	15	1.00%							1.9																			0.1
EX CB	37-17	1.7	15	1.00%																								1.7	0.0	
37-12	37-16	11.0	12	1.00%						11.0																				0.8
37-19	37-16	11.0	12	1.00%						11.0																				0.8
37-21	37-22	1.3	12	1.00%						1.3																				
37-23	37-22	55.0	12	1.00%						55.0																				6.4
EX P	37-20	2.0	12	2.10%																								2.0	0.0	
EX CB	37-20	6.5	12	1.00%																								6.5	0.3	
37-03	37-05	26.8	30	0.15%												26.8														19.7
36-11	37-03	205.1	30	0.21%												205.1														241.3
36-07	36-11	135.4	21	0.44%									135.4																	113.0
36-08	36-07	8.1	15	1.00%							8.1																			5.1
EX P	36-08	1.2	15	0.32%																								1.2		
36-10	36-11	0.8	12	1.00%						0.8																				
36-12	36-11	64.1	12	1.00%						64.1																				9.9
36-09	36-10	2.8	12	1.00%						2.8																				1.1
EX CB	36-09	2.8	12	1.00%																								2.8	0.4	
37-02	37-03	0.8	12	1.00%						0.8																				

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DS-32

06/28/2005 12:46:03 PM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	148
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1PIR-B		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
37-04	37-03	54.5	12	1.00%						54.5																				7.1
EX CB	37-01	2.1	12	1.00%																								2.1		0.2
EX CB	37-04	1.0	12	1.00%						1.0																				
38-03	JC38-01	52.4	42	0.10%															52.4											62.2
38-07	38-03	174.0	36	0.10%																					174.0					274.1
38-11	38-07	196.0	36	0.11%														196.0												219.9
39-03	38-11	185.0	36	0.13%																					185.0					272.3
39-07	39-03	170.0	33	0.17%														170.0												141.8
39-11	39-07	145.0	33	0.21%														145.0												106.4
39-15	39-11	105.5	30	0.32%												105.5														64.5
38-02	38-03	0.8	12	1.00%						0.8																				
38-04	JC38-01	7.2	12	1.00%						7.2																				1.9
EX CB	JC38-01	28.3	12	1.00%						28.3																				6.8
38-06	38-07	0.8	21	1.00%																			0.8							
EX P	38-01	13.8	12	2.10%																								13.8		2.8
38-08	38-07	54.5	12	1.00%						54.5																				49.6
EX CB	38-05	8.2	12	1.00%																								8.2		2.5
EX P	38-05	0.8	12	2.14%																								0.8		
EX CB	38-08	7.0	12	1.00%						7.0																				
38-10	38-11	0.8	12	1.00%						0.8																				
38-12	38-11	54.5	12	1.00%						54.5																				6.8
EX CB	38-09	8.5	12	1.00%																								8.5		2.0
EX P	38-09	2.1	12	2.10%																								2.1		0.2
EX CB	38-12	6.4	12	1.00%						6.4																				0.2
39-02	39-03	0.8	12	1.00%																			0.8							
39-04	39-03	54.5	12	1.00%						54.5																				6.1
EX P	39-01	8.4	12	0.75%																								8.4		4.2
EX CB	39-01	2.6	12	1.00%																								2.6		0.8
EX P	39-01	14.3	12	1.93%																								14.3		10.4
EX CB	39-04	1.0	12	1.00%						1.0																				
39-06	39-07	0.8	12	1.00%						0.8																				
39-08	39-07	54.5	12	1.00%						54.5																				10.5
EX CB	39-05	10.2	12	1.00%																								10.2		1.6
EX P	39-05	2.0	12	2.11%																								2.0		0.1
EX CB	39-08	7.1	12	1.00%						7.1																				0.6
39-10	39-11	0.8	12	1.00%						0.8																				
39-12	39-11	54.5	12	1.00%						54.5																				6.2
EX CB	39-09	8.3	12	1.00%																								8.3		0.9
EX P	39-09	1.9	12	2.11%																								1.9		0.1
39-14	39-15	1.3	12	1.00%						1.3																				
39-16	39-15	55.0	12	1.00%						55.0																				10.6
EX CB	39-13	8.9	12	1.00%																								8.9		0.6
EX P	39-13	2.1	12	2.11%																								2.1		0.1
EX CB	39-16	7.2	12	1.00%						7.2																				0.6
41-17	JC41-01	52.6	48	0.10%																52.6										104.8

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	149
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		• (1818, ETC, 2324.6-1PIR-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
42-05	41-17	62.5	33	0.11%											62.5															54.3
42-14	42-05	141.1	27	0.15%											141.1															108.0
42-19	42-14	180.0	27	0.17%											180.0															149.1
42-23	42-19	220.0	21	0.32%									220.0																	141.7
42-04	42-05	0.8	18	0.25%								0.8																		
42-06	42-05	54.5	15	1.00%							54.5																			15.9
42-02	42-04	19.9	12	0.44%						19.9																				5.3
42-08	42-04	12.1	15	0.32%							12.1																			3.6
42-03	42-06	19.9	12	1.00%						19.9																				1.8
42-09	42-06	12.1	12	1.00%						12.1																				0.9
42-07	42-08	0.7	15	1.00%							0.7																			
42-10	42-07	10.3	15	1.00%							10.3																			1.9
42-11	42-10	11.7	12	1.00%						11.7																				1.1
EX P	42-01	1.6	12	2.10%																							1.6			
EX IN	42-03	3.6	12	1.00%						3.6																				0.1
EX IN	42-06	0.9	12	1.00%						0.9																				
42-13	42-14	0.8	12	1.00%						0.8																				
42-15	42-14	54.4	12	1.00%						54.4																				9.0
EX IN	42-15	4.5	12	1.00%						4.5																				0.3
42-16	42-12	9.7	12	1.00%						9.7																				0.6
EX CB	42-12	7.1	12	1.00%																							7.1			0.6
EX P	42-12	1.6	12	2.00%																							1.6			
42-18	42-19	0.8	12	1.00%						0.8																				
42-20	42-19	51.3	12	1.00%						51.3																				7.4
EX IN	42-20	13.7	12	1.00%						13.7																				1.2
EX P	42-17	4.5	12	0.20%																								4.5		0.9
EX P	42-17	4.5	12	2.00%																								4.5		0.6
EX CB	42-17	8.2	12	1.00%																							8.2			1.0
42-22	42-23	0.8	12	1.00%						0.8																				
42-24	42-23	51.3	12	1.00%						51.3																				5.3
EX CB	42-21	1.5	12	1.00%																							1.5			
41-15	41-17	31.4	42	0.10%															31.4											45.6
41-11	41-15	125.0	42	0.10%															125.0											202.4
41-07	41-11	195.0	36	0.11%																					195.0					390.9
41-03	41-07	190.0	36	0.13%														190.0												223.8
40-11	41-03	180.0	30	0.17%											180.0															191.3
40-07	40-11	145.5	21	0.25%									145.5																	56.0
40-03	40-07	96.0	18	0.32%								96.0																		29.0
41-14	41-15	0.8	12	1.00%						0.8																				
41-16	41-15	54.5	12	1.00%						54.5																				7.1
EX CB	41-13	7.2	12	1.00%																								7.2		1.3
EX P	41-13	2.0	12	2.10%																								2.0		0.1
EX IN	41-16	3.4	12	1.00%						3.4																				0.1
41-10	41-11	0.8	12	1.00%						0.8																				
41-12	41-11	54.5	12	1.00%						54.5																				7.3

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	150
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		• 0818, ETC. 2324.6-1P1R-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
EX CB	41-09	6.8	12	1.00%																								6.8		1.6
EX P	41-09	2.0	12	2.10%																								2.0		0.1
EX CB	41-12	7.0	12	1.00%						7.0																				0.5
41-06	41-07	0.8	12	1.00%																	0.8									
41-08	41-07	54.5	12	1.00%						54.5																				7.0
EX CB	41-05	6.7	12	1.00%																								6.7		3.6
EX P	41-05	2.0	12	2.10%																								2.0		0.3
EX CB	41-08	6.0	12	1.00%						6.0																				
41-02	41-03	0.8	12	1.00%						0.8																				
41-04	41-03	54.5	12	1.00%						54.5																				7.1
EX CB	41-01	2.7	12	1.00%																								2.7		0.3
EX P	41-01	4.0	12	0.80%																								4.0		0.9
EX CB	41-04	1.4	12	1.00%						1.4																				
40-10	40-11	0.8	12	1.00%						0.8																				
40-12	40-11	54.5	12	1.00%						54.5																				6.9
EX CB	40-09	6.6	12	1.00%																								6.6		1.1
EX P	40-09	2.0	12	2.04%																								2.0		0.1
EX CB	40-12	5.2	12	1.00%						5.2																				0.2
40-06	40-07	2.6	12	1.00%						2.6																				0.3
40-08	40-07	55.0	12	1.00%						55.0																				6.5
40-05	40-06	4.2	12	1.00%						4.2																				0.6
EX CB	40-05	6.7	12	1.00%																								6.7		0.4
EX P	40-05	1.1	12	2.11%																								1.1		
40-02	40-03	1.3	12	1.00%						1.3																				
40-04	40-03	55.0	12	1.00%						55.0																				7.0
EX CB	40-01	6.8	12	1.00%																								6.8		0.4
EX P	40-01	2.0	12	1.07%																								2.0		0.0
EX CB	40-04	5.9	12	1.00%																								5.9		0.2
44-01	JC44-01	49.5	42	0.10%																						49.5			115.7	
44-05	44-01	98.4	36	0.10%														98.4												155.8
44-13	44-05	123.3	33	0.11%													123.3													160.8
44-19	44-13	111.7	30	0.13%												111.7														133.1
45-03	44-19	215.0	27	0.21%											215.0															230.6
PLUG	44-01	7.5	12	1.00%																								7.5		7.8
44-04	44-05	0.8	12	1.00%						0.8																				
44-06	44-05	53.9	12	1.00%						53.9																				6.1
44-02	44-03	12.3	12	1.00%						12.3																				1.1
EX CB	44-02	1.6	12	1.00%																								1.6		
44-12	44-13	0.8	15	1.00%							0.8																			
44-14	44-13	54.3	15	1.00%							54.3																			6.9
44-09	44-12	5.9	15	1.00%							5.9																			3.3
44-07	44-08	5.7	12	1.00%						5.7																				0.4
44-15	44-12	12.7	12	1.00%						12.7																				1.0
44-10	44-14	5.9	12	1.00%						5.9																				0.4
44-16	44-14	12.7	12	1.00%						12.7																				0.9

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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DS-35
12-4607 PH
06/28/2005

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90 *		COOK	556	151
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		* (1818, ETC, 2324.6-1P)R-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
EX CB	44-08	1.4	12	1.00%																								1.4		
EX P	44-11	3.5	15	1.00%																								3.5	0.5	
	44-18	0.8	12	1.00%						0.8																				
	44-20	53.9	12	1.00%						53.9																			13.4	
	44-21	76.0	12	1.00%						76.0																			14.9	
EX P	44-17	2.6	12	0.20%																								2.6	0.3	
EX CB	44-17	7.6	12	1.00%																								7.6	1.2	
EX IN	44-20	7.7	12	1.00%						7.7																			1.5	
EX CB	44-21	1.8	12	1.00%						1.8																			0.0	
	45-02	0.8	12	1.00%						0.8																				
	45-04	54.5	12	1.00%						54.5																			44.1	
EX P	45-01	8.3	12	1.00%																								8.3	2.5	
EX CB	45-01	12.9	12	1.00%																								12.9	2.0	
EX CB	45-04	1.4	12	1.00%						1.4																				
	43-07	44-01	111.6	27	0.15%										111.6														130.9	
	43-03	43-07	215.0	21	0.21%								215.0																238.9	
	43-02	43-03	0.8	15	1.00%							0.8																		
	43-04	43-03	51.3	12	1.00%					51.3																			5.4	
EX CB	43-01	4.8	12	1.00%																								4.8	0.9	
EX P	43-01	3.5	12	2.00%																								3.5	0.6	
	43-06	43-07	0.8	12	1.00%					0.8																				
	43-08	43-07	52.5	12	1.00%					52.5																			5.7	
EX CB	43-05	7.4	12	1.00%																								7.4	1.2	
EX P	43-05	4.7	12	3.10%																								4.7	2.0	
	46-24	JC46-01	57.9	36	0.10%																				57.9			110.6		
	46-18	46-24	122.1	33	0.11%													122.1											166.4	
	46-11	46-18	102.5	30	0.13%																								68.8	
	46-07	46-11	125.0	27	0.15%																								82.3	
	46-03	46-07	140.0	24	0.21%										140.0														87.8	
	45-07	46-03	160.0	21	0.25%								160.0																64.7	
	45-06	45-07	0.8	12	1.00%					0.8																				
	45-08	45-07	54.5	12	1.00%					54.5																			14.3	
	45-09	45-08	61.0	12	1.00%					61.0																			9.1	
EX CB	45-05	1.8	12	1.00%																							1.8	0.0		
EX CB	45-09	1.4	12	1.00%						1.4																				
	46-02	46-03	0.8	12	1.00%					0.8																				
	46-04	46-03	54.5	12	1.00%					54.5																			7.5	
EX CB	46-01	5.3	12	1.00%																								5.3	0.5	
EX P	46-01	2.6	12	2.00%																								2.6	0.2	
EX IN	46-04	4.3	12	1.00%						4.3																			0.3	
	46-06	46-07	0.8	12	1.00%					0.8																				
	46-08	46-07	54.5	12	1.00%					54.5																			6.7	
	46-23	46-08	61.0	12	1.00%					61.0																			4.6	
EX CB	46-05	1.5	12	1.00%																							1.5			
EX CB	46-08	4.4	12	1.00%						4.4																			0.4	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED STORM SEWER PIPES
 SCALE: 1"=N.T.S. DRAWN BY: JAM
 DATE: 07/07/05 CHECKED BY: DDM

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DS-36
 06/28/2005 12:46:04 PM

SCHEDULE OF STORM SEWERS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	152
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
62300		+ (1818, ETC, 2324.6-1PR-8		

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	SS CL A 1, 12	SS CL A 1, 15	SS CL A 1, 18	SS CL A 1, 21	SS CL A 1, 24	SS CL A 2, 12	SS CL A 2, 15	SS CL A 2, 18	SS CL A 2, 21	SS CL A 2, 24	SS CL A 2, 27	SS CL A 2, 30	SS CL A 2, 33	SS CL A 2, 36	SS CL A 2, 42	SS CL A 2, 48	SS CL A 3, 12	SS CL A 3, 21	SS CL A 3, 24	SS CL A 3, 27	SS CL A 3, 30	SS CL A 3, 36	SS CL A 3, 42	SS CL B 1, 12	SS CL B 1, 15	TRENCH BACKFILL (CU. YD.)
EX CB	46-23	1.6	12	1.00%						1.6																				
46-10	46-11	0.8	12	1.00%						0.8																				
46-12	46-11	54.5	12	1.00%						54.5																				6.0
46-09	46-10	1.9	12	1.00%						1.9																				0.1
46-17	46-18	0.8	15	1.00%							0.8																			
46-19	46-18	54.5	15	1.00%							54.5																			8.6
46-14	46-17	8.5	12	1.00%						8.5																				1.0
46-21	46-17	18.5	12	1.00%						18.5																				13.0
46-15	46-19	8.5	12	1.00%						8.5																				0.6
46-22	46-19	18.5	12	1.00%						18.5																				1.5
46-13	46-14	1.9	12	1.00%						1.9																				0.0
46-16	46-17	2.0	15	1.00%							2.0																			0.3
46-20	46-21	1.9	12	1.00%						1.9																				0.2
EX CB	46-20	6.4	12	1.00%																							6.4			0.2
EX P	46-20	1.3	12	2.63%																							1.3			
EX CB	46-24	17.0	12	1.00%						17.0																				4.5
EX P	46-24	12.2	12	1.00%						12.2																				6.6
TOTALS					4598	1054	68	133	0	4710	1032	2078	2352	1669	1748	2543	623	2378	827	53	8	314	151	66	749	612	50	374	21	19695

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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED STORM SEWER PIPES
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DS-37

12-4604 FM

SCHEDULE OF PIPE UNDERDRAINS

F.A.I. SHEETS 194/90 SECTION * COUNTY COOK TOTAL SHEETS 556 SHEET NO. 153
 STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 62300 * (1818, ETC, 2324.6-1PIR-8)

STATION TO STATION		OFFSET	PIPE UNDERDRAINS 6" (FT)	CONNECTING STRUCTURE	PIPE UNDERDRAINS 6" SPECIAL (FT)
2369+92	2367+00	LT	292	1-01	6
2373+95	2369+92	LT	403	1-04	6
2373+95	2375+84	LT	189	2-03	0
2375+84	2377+93	LT	209	2-08	0
2380+65	2377+93	LT	272	2-08	0
2381+46	2380+65	LT	81	3-03	0
2382+94	2381+46	LT	148	3-11	0
2384+70	2382+94	LT	176	3-06	0
2386+52	2384+70	LT	182	3-10	5
2386+52	2390+14	LT	362	4-02	6
2390+14	2392+73	LT	259	5-03	6
2396+08	2392+73	LT	335	5-03	6
2391+58	2392+58	RT	100	5-07	0
2396+08	2392+88	RT	320	5-09	0
2399+32	2396+08	LT	324	5-11	6
2397+69	2396+08	RT	161	5-12	0
2399+32	2397+69	RT	163	6-02	0
2402+58	2399+32	LT	326	6-03	6
2402+58	2399+32	RT	326	6-04	0
2402+58	2404+85	LT	227	7-01	6
2402+58	2404+85	RT	227	7-05	0
2404+85	2406+52	LT	167	7-06	4
2404+85	2406+52	RT	167	7-03	4
2406+52	2407+59	LT	107	7-07	6
2406+52	2407+66	RT	114	7-08	0
2408+02	2407+66	RT	36	7-08	0
6017+90	6016+26	RT	164	8-02	0
6019+20	6017+90	RT	130	8-06	0
2411+00	2411+80	RT	80	8-10	0
2411+80	2412+58	RT	78	8-13	0
2414+36	2412+88	RT	148	8-15	0
2416+18	2414+36	RT	182	9-02	0
2418+05	2416+18	RT	187	9-06	0
2419+82	2418+05	RT	177	9-08	0
2421+64	2419+82	RT	182	10-02	0
2423+22	2421+64	RT	158	10-05	0
2425+51	2423+00	LT	251	10-07	1
2425+51	2423+22	RT	229	10-09	0
2425+51	2429+03	LT	352	11-05	6
2425+51	2427+45	RT	194	11-03	0
2427+45	2429+13	RT	168	11-06	0
2429+03	2432+67	LT	364	12-02	6
2429+13	2430+91	RT	178	11-10	0
2430+91	2432+69	RT	178	12-03	0
2432+67	2434+49	LT	182	12-06	6
2432+69	2434+47	RT	178	12-07	0
2434+49	2437+13	LT	264	13-21	0
2434+47	2436+98	RT	251	12-13	0
2438+89	2437+13	LT	176	13-02	6
2438+90	2437+28	RT	162	13-05	0
2440+94	2438+89	LT	205	13-12	6
2440+95	2438+90	RT	205	13-13	0
2443+45	2440+94	LT	251	13-17	6
2443+45	2440+95	RT	250	13-18	0
2443+45	2445+61	LT	216	14-01	6
2443+45	2445+63	RT	218	14-03	0
2445+61	2447+72	LT	211	14-05	6
2445+63	2447+72	RT	209	14-06	0
2447+72	2450+56	LT	284	15-11	0
2447+72	2450+40	RT	268	15-08	0
2453+44	2450+56	LT	288	15-11	0
2453+52	2450+70	RT	282	15-10	0
2455+50	2453+44	LT	206	15-20	6
2455+50	2453+52	RT	198	15-21	0
2455+50	2457+64	LT	214	16-02	6
2455+50	2457+60	RT	210	16-03	0
2457+64	2460+44	LT	280	17-02	6

STATION TO STATION		OFFSET	PIPE UNDERDRAINS 6" (FT)	CONNECTING STRUCTURE	PIPE UNDERDRAINS 6" SPECIAL (FT)
2457+60	2460+25	RT	265	17-05	0
2463+26	2460+44	LT	282	17-04	6
2463+03	2460+55	RT	248	17-08	0
2465+20	2463+26	LT	194	17-12	6
2465+32	2463+03	RT	229	17-13	0
2467+39	2465+20	LT	219	17-17	6
2467+39	2465+32	RT	207	17-15	0
2467+39	2469+44	LT	205	18-04	6
2467+39	2469+44	RT	205	18-03	0
2469+44	2471+50	LT	206	18-07	6
2469+44	2471+50	RT	206	18-05	0
2471+50	2473+83	LT	233	19-07	6
2471+50	2473+68	RT	218	19-10	0
2475+98	2473+83	LT	215	19-07	6
2475+98	2473+98	RT	200	19-12	0
2478+04	2475+98	LT	206	19-17	6
2478+05	2475+98	RT	207	19-18	0
2480+10	2478+04	LT	206	20-02	6
2480+11	2478+05	RT	206	20-03	0
2481+99	2480+10	LT	189	20-05	6
2482+16	2480+11	RT	205	20-06	0
2484+22	2481+99	LT	223	20-08	6
2484+22	2482+16	RT	206	20-09	0
2486+28	2484+22	LT	206	21-02	6
2486+28	2484+22	RT	206	21-03	0
2488+35	2486+28	LT	207	21-05	6
2488+35	2486+28	RT	207	21-06	0
2488+35	2490+54	LT	219	22-04	6
2488+35	2490+54	RT	219	22-02	0
2490+54	2492+60	LT	206	22-08	6
2490+54	2492+60	RT	206	22-06	0
2492+60	2494+66	LT	206	22-14	6
2492+60	2494+66	RT	206	22-11	0
2494+66	2496+72	LT	206	23-04	6
2494+66	2496+72	RT	206	23-02	0
2496+72	2498+78	LT	206	23-08	6
2496+72	2498+92	RT	220	23-06	0
2498+78	2500+84	LT	206	23-10	6
2498+92	2500+90	RT	198	23-11	0
2500+84	2503+70	LT	286	24-10	6
2500+90	2503+55	RT	265	24-05	0
2506+53	2503+70	LT	283	24-10	6
2504+91	2503+84	RT	107	24-07	0
2506+64	2504+91	RT	173	24-16	0
2508+64	2506+53	LT	211	24-20	6
2508+37	2506+64	RT	173	24-19	0
2510+75	2508+64	LT	211	25-03	6
411+14	2508+37	RT	211	25-02	0
2512+86	2510+75	LT	211	25-07	6
412+85	411+14	RT	171	25-04	0
414+59	412+85	RT	174	25-09	0
2515+37	2512+86	LT	251	25-11	6
416+75	414+59	RT	216	25-14	0
417+36	416+75	RT	61	26-01	0
2515+37	2517+86	LT	249	26-06	6
2515+37	2517+86	RT	249	26-04	0
2517+86	2519+97	LT	211	26-08	6
2517+86	2520+14	RT	228	27-02	0
2519+97	2523+27	LT	330	27-12	6
2520+14	2522+19	RT	205	27-05	0
2522+19	2524+37	RT	218	27-14	0
2523+27	2525+75	LT	248	27-16	6
2524+37	2526+32	RT	195	28-01	0
2525+75	2527+94	LT	219	28-09	6
2526+32	2527+79	RT	147	28-04	0
2530+00	2527+79	LT	221	28-09	6
2530+00	2528+09	RT	191	28-06	0

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 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED PIPE UNDERDRAINS
 SCALE: 1" = N.T.S. DRAWN BY: MJO
 DATE: 7/7/05 CHECKED BY: LPN

DS-38

06/27/2005 07:38:12 PM

SCHEDULE OF PIPE UNDERDRAINS

STATION TO STATION	OFFSET	PIPE UNDERDRAINS 6" (FT)	CONNECTING STRUCTURE	PIPE UNDERDRAINS 6" SPECIAL (FT)
2531+37.5	2530+00.0	RT	JOB LIMIT	
2531+39.0	2530+00.0	LT	JOB LIMIT	6.7
2532+67.5	2531+41.5	RT	29-02	
2532+69.0	2531+40.0	LT	29-04	8.4
2533+84.9	2532+71.5	RT	29-06	
2533+94.0	2532+70.0	LT	29-08	8.4
2533+66.3	2533+94.0	LT	29-12	5.5
2535+22.5	2533+96.5	RT	29-10	
2535+24.0	2533+95.0	LT	29-12	8.3
2536+52.5	2535+26.5	RT	29-15	
2536+54.0	2535+25.0	LT	29-17	8.2
2537+52.5	2536+56.5	RT	30-02	
2537+54.0	2536+55.0	LT	30-04	8.3
2538+52.5	2537+56.5	RT	30-06	
2538+54.0	2537+55.0	LT	30-08	9.7
2539+52.5	2538+56.5	RT	30-10	
2540+42.5	2539+56.5	RT	30-15	
2541+64.0	2538+55.0	LT	30-12	6.1
2543+15.5	2540+46.5	RT	30-18	
2543+16.5	2543+31.6	RT	31-03	3.3
2543+15.5	2541+65.0	LT	30-24	6.1
2542+59.3	2544+50.0	RT	31-07	
2543+16.5	2544+50.0	LT	31-10	6.1
2544+51.8	2545+67.7	RT	31-12	
2544+51.0	2545+70.0	LT	31-15	6.1
2545+71.7	2547+27.7	RT	31-17	
2545+71.0	2547+30.0	LT	31-20	6.1
2547+31.7	2548+72.6	RT	32-02	
2547+31.0	2548+85.0	LT	32-04	6.0
2548+76.6	2550+97.6	RT	32-06	
2548+86.0	2551+00.0	LT	32-08	6.1
2551+01.6	2551+77.5	RT	32-10	
2551+01.0	2551+80.0	LT	32-12	6.1
2551+81.5	2553+92.5	RT	32-14	
2551+81.0	2553+95.0	LT	32-16	6.0
2553+96.5	2554+07.5	RT	33-02	
2553+96.0	2554+10.0	LT	33-03	6.1
2554+11.5	2555+08.5	RT	33-05	
2554+11.0	2555+23.7	LT	33-10	6.1
2555+12.5	2555+21.2	RT	33-08	
2555+32.5	2555+26.2	RT	33-08	
2555+87.2	2555+36.5	RT	33-12	
2555+89.0	2555+23.7	LT	33-10	6.1
2556+77.5	2555+92.0	RT	33-15	
2556+79.0	2555+90.0	LT	33-17	6.0
2558+22.5	2556+81.5	RT	33-19	
2558+24.0	2556+80.0	LT	33-21	6.1
2560+17.5	2558+26.5	RT	33-23	
2560+19.0	2558+25.0	LT	33-25	6.0
2561+60.4	2560+21.5	RT	34-02	
2561+60.4	2560+20.0	LT	34-04	6.0
2561+61.4	2563+08.5	RT	34-06	

SCHEDULE OF PIPE UNDERDRAINS

STATION TO STATION	OFFSET	PIPE UNDERDRAINS 6" (FT)	CONNECTING STRUCTURE	PIPE UNDERDRAINS 6" SPECIAL (FT)
2561+61.4	2563+10.0	LT	34-08	6.0
2563+12.5	2565+08.5	RT	34-11	
2563+11.0	2565+10.0	LT	34-13	6.0
2565+12.5	2566+98.5	RT	35-02	
2565+11.0	2567+00.0	LT	35-04	6.1
2567+02.5	2567+73.5	RT	35-06	
2567+01.0	2567+86.5	LT	35-11	6.1
2567+77.5	2567+84.0	RT	35-09	
2567+97.5	2567+89.0	RT	35-09	
2568+37.5	2568+01.5	RT	35-13	
2568+39.0	2567+86.5	LT	35-11	6.0
2570+37.5	2568+41.5	RT	35-16	
2570+39.0	2568+40.0	LT	35-18	6.0
2572+42.5	2570+41.5	RT	35-21	
2572+44.0	2570+40.0	LT	35-23	6.1
2574+47.3	2572+46.5	RT	36-02	
2574+47.3	2572+45.0	LT	36-04	6.1
2574+48.3	2577+53.0	RT	36-10	
2574+48.3	2577+55.0	LT	36-12	6.1
2577+57.8	2579+58.5	RT	37-02	
2577+56.0	2579+60.0	LT	37-04	6.1
2579+62.5	2581+38.5	RT	37-07	
2579+61.0	2581+40.0	LT	37-09	6.0
2581+42.5	2581+68.5	RT	37-11	
2581+41.0	2581+85.0	LT	37-16	6.0
2581+72.5	2581+83.0	RT	37-14	
2581+97.2	2581+87.0	RT	37-14	
2583+19.0	2581+85.0	LT	37-16	6.0
2586+12.5	2584+31.5	RT	38-02	
2586+14.0	2584+30.0	LT	38-04	6.0
2588+12.5	2586+16.5	RT	38-06	
2588+14.0	2586+15.0	LT	38-08	6.1
2590+02.5	2588+16.5	RT	38-10	
2590+04.0	2588+15.0	LT	38-12	6.1
2591+77.5	2590+06.5	RT	39-02	
2591+79.0	2590+05.0	LT	39-04	6.1
2593+27.5	2591+81.5	RT	39-06	
2593+29.0	2591+80.0	LT	39-08	6.0
2594+37.5	2593+31.5	RT	39-10	
2594+39.0	2593+30.0	LT	39-12	6.0
2596+06.5	2594+41.5	RT	39-14	
2596+06.5	2594+40.0	LT	39-16	6.0
2596+07.5	2597+68.5	RT	40-02	
2596+07.5	2597+70.0	LT	40-04	6.1
2597+72.5	2598+68.5	RT	40-06	
2597+71.0	2598+70.0	LT	40-08	6.1
2598+72.5	2600+18.5	RT	40-10	
2598+71.0	2600+20.0	LT	40-12	6.0
2600+22.5	2602+03.5	RT	41-02	
2600+21.0	2602+05.0	LT	41-04	6.1
2602+07.5	2603+98.5	RT	41-06	
2602+06.0	2604+00.0	LT	41-08	6.1
2604+02.5	2605+98.5	RT	41-10	

SCHEDULE OF PIPE UNDERDRAINS

STATION TO STATION	OFFSET	PIPE UNDERDRAINS 6" (FT)	CONNECTING STRUCTURE	PIPE UNDERDRAINS 6" SPECIAL (FT)
2604+01.0	2606+00.0	LT	41-12	6.0
2606+02.5	2607+28.5	RT	41-14	
2606+01.0	2607+30.0	LT	41-16	6.1
2607+32.5	2608+08.5	RT	42-02	
2607+31.0	2608+33.9	LT	42-06	6.1
2608+12.5	2608+31.9	RT	42-04	
2608+47.5	2608+35.9	RT	42-04	
2609+77.5	2608+51.5	RT	42-08	
2609+79.0	2608+33.9	LT	42-06	5.9
2611+62.5	2609+81.5	RT	42-13	
2611+64.0	2609+80.0	LT	42-15	2.8
2613+87.5	2611+66.5	RT	42-18	
2613+89.0	2611+65.0	LT	42-20	2.8
2615+34.1	2613+91.5	RT	42-22	
2615+34.1	2613+90.0	LT	42-24	2.8
2615+35.1	2617+43.5	RT	43-02	
2615+35.1	2617+45.0	LT	43-04	2.8
2617+47.5	2619+63.5	RT	43-06	
2617+46.0	2619+65.0	LT	43-08	2.8
2619+67.5	2621+83.5	RT	44-04	
2619+66.0	2621+85.0	LT	44-06	4.1
2621+87.5	2623+01.9	RT	44-09	
2621+86.0	2623+13.3	LT	44-14	5.4
2623+27.2	2623+14.8	RT	44-12	
2624+27.5	2623+32.0	RT	44-15	
2624+29.0	2623+13.3	LT	44-14	5.4
2625+09.0	2624+30.0	LT	44-20	6.1
2626+47.5	2624+31.5	RT	44-18	
2626+49.0	2625+10.0	LT	44-21	6.0
2628+90.7	2626+51.5	RT	45-02	
2628+90.7	2626+50.0	LT	45-04	6.0
2628+91.7	2630+93.5	RT	45-06	
2628+91.7	2630+95.0	LT	45-08	6.1
2630+97.5	2632+58.5	RT	46-02	
2630+96.0	2632+60.0	LT	46-04	6.1
2632+62.5	2634+03.5	RT	46-06	
2632+61.0	2634+05.0	LT	46-08	6.1
2634+07.5	2635+33.0	RT	46-10	
2634+06.0	2635+35.0	LT	46-12	6.0
2635+37.8	2636+28.0	RT	46-14	
2635+36.0	2636+42.5	LT	46-19	6.0
2636+32.8	2636+40.5	RT	46-17	
2636+62.2	2636+44.5	RT	46-17	
2637+48.6	2636+67.0	RT	46-21	
2637+48.6	2636+42.5	LT	46-19	6.1
TOTALS:		49366		743

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	154
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

62300

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312 228 0100
www.bbainc.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE SCHEDULES
PROPOSED PIPE UNDERDRAINS
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM

DS-39

12-4603 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	155
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TABLE OF PIPE UNDERDRAIN ELEVATIONS

STATION	ELEVATION
2423+00	-2.48
2424+00	-1.95
2425+00	-1.42
2426+00	-1.06
2427+00	-1.24
2428+00	-1.78
2429+00	-2.37
2430+00	-2.97
2431+00	-3.57
2432+00	-4.17
2433+00	-4.77
2434+00	-5.37
2435+00	-5.97
2436+00	-6.59
2451+00	-7.33
2452+00	-6.54
2453+00	-5.50
2454+00	-4.77
2455+00	-4.40
2456+00	-4.36
2457+00	-4.66
2458+00	-5.29
2459+00	-6.23
2460+00	-7.08
2461+00	-7.29
2462+00	-6.83
2463+00	-5.76
2464+00	-4.60
2465+00	-3.55
2466+00	-2.83
2467+00	-2.44
2468+00	-2.39
2469+00	-2.67
2470+00	-3.30
2471+00	-4.26
2472+00	-5.46
2473+00	-6.38
2474+00	-6.66
2475+00	-6.34
2477+00	-4.37
2478+00	-3.31
2479+00	-2.25
2480+00	-1.18
2481+00	-0.12
2482+00	0.94
2483+00	2.00
2484+00	3.05

STATION	ELEVATION
2485+00	4.12
2486+00	5.08
2487+00	5.72
2488+00	EXPRESS
2489+00	EXPRESS
2490+00	EXPRESS
2491+00	4.78
2492+00	3.78
2493+00	2.76
2494+00	1.74
2495+00	0.71
2496+00	-0.31
2497+00	-1.33
2498+00	-2.35
2499+00	-3.37
2500+00	-4.45
2501+00	-5.47
2503+00	-7.29
2504+00	-7.43
2505+00	-6.87
2506+00	-5.63
2507+00	-4.20
2508+00	-2.77
2509+00	-1.34
2510+00	0.09
2511+00	1.52
2512+00	2.87
2513+00	3.89
2514+00	4.56
2515+00	4.89
2516+00	4.93
2530+00	-9.09
2531+00	-7.72
2532+00	-6.23
2533+00	-4.97
2534+00	-3.26
2535+00	-1.67
2536+00	-0.22
2537+00	1.12
2538+00	2.51
2539+00	3.64
2540+00	4.39
2541+00	4.80
2542+00	4.93
2543+00	5.16
2543+00	5.61
2544+00	5.04

STATION	ELEVATION
2545+00	4.03
2546+00	2.69
2547+00	1.14
2548+00	-0.42
2549+00	-1.97
2550+00	-3.53
2551+00	-5.09
2552+00	-6.64
2553+00	-8.20
2554+00	-9.34
2555+00	-9.82
2556+00	-9.63
2557+00	-8.77
2558+00	-7.59
2559+00	-6.44
2560+00	-5.62
2561+00	-5.20
2562+00	-5.17
2563+00	-5.54
2564+00	-6.31
2565+00	-7.44
2566+00	-8.64
2567+00	-9.56
2568+00	-9.80
2569+00	-9.34
2570+00	-8.19
2571+00	-6.52
2572+00	-5.02
2573+00	-4.00
2574+00	-3.47
2575+00	-3.42
2576+00	-3.87
2577+00	-4.81
2578+00	-6.23
2579+00	-8.13
2580+00	-9.77
2581+00	-10.70
2582+00	-10.92
2583+00	-10.43
2584+00	-9.24
2585+00	-7.34
2586+00	-5.08
2587+00	-2.84
2588+00	-0.78
2589+00	1.03
2590+00	2.60
2591+00	3.93

STATION	ELEVATION
2592+00	5.01
2593+00	5.86
2594+00	6.46
2595+00	6.81
2596+00	6.92
2597+00	6.80
2598+00	6.42
2599+00	5.81
2600+00	4.95
2601+00	3.85
2602+00	2.50
2603+00	0.91
2604+00	-0.92
2605+00	-2.97
2606+00	-4.72
2607+00	-5.91
2608+00	-6.55
2609+00	-6.63
2610+00	-6.15
2611+00	-5.24
2612+00	-4.30
2613+00	-3.35
2614+00	-2.61
2615+00	-2.28
2616+00	-2.36
2617+00	-2.85
2618+00	-3.76
2619+00	-4.87
2620+00	-5.98
2621+00	-7.09
2622+00	-8.11
2623+00	-8.50
2624+00	-8.16
2625+00	-7.18
2626+00	-6.11
2627+00	-5.04
2628+00	-4.06
2629+00	-3.66
2630+00	-3.92
2631+00	-4.78
2632+00	-5.75
2633+00	-6.72
2634+00	-7.70
2635+00	-8.67
2636+00	-9.30
2637+00	-9.25

SCHEDULE OF PIPE UNDERDRAIN 12"

STATION	OFFSET	TO	STATION	OFFSET	PIPE UNDERDRAIN 12" (FT)
2534+68.9	54.87' RT		2934+65.0	39.5' RT	10.8
2540+22.0	14.08' LT		2540+18.3	41.2' RT	55.4
2548+58.8	8.71' LT		2548+58.1	75.1' RT	83.8
2623+00.1	9.28' LT		2622+99.8	66.2' RT	75.5
2636+49.1	9.46' LT		2636+48.6	63.8' RT	75.4
			TOTAL		301

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE SCHEDULES
 PROPOSED PIPE UNDERDRAINS
 SCALE: 1"=N.T.S. DRAWN BY: JAM
 DATE: 07/07/05 CHECKED BY: DDM

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
 www.bbainc.com

DS-40
 12-4624 FM
 06/28/2005

SCHEDULE OF JUNCTION CHAMBERS

STR. #	EXISTING STRUCTURE TYPE	STATION	OFFSET	TF	MAINDRIAN DROP MANHOLE NO.	PROPOSED JUNCTION CHAMBER TYPE 1	INVERT (N) (PIPE DIA.)	INVERT (S) (PIPE DIA.)	INVERT (W) (PIPE DIA.)	INVERT (E) (PIPE DIA.)	INVERT (OTHERS) (PIPE DIA.)	JACKING AND/OR JUNCTION CHAMBER CONST BRACED EXC.	RECEIVING PIT BRACED EXC.	TRENCH BACKFILL JACKING PIT (CY)	TRENCH BACKFILL RECEIVING PIT (CY)
DMH 3-01	B-1C	2380+11	1	-6.11	NO. 1		-30.55	-30.55	-18.63 (36")	-17.97 (24")	-12.46 (N) (24")	406.6	53.8	294.69	24.21
JC T1 4-01	SPECIAL	2387+01	-4	0.38		NO. 1						368	0	264.49	0
DMH 5-01	B-1C	2391+41	-8	-3.72	NO. 2		-31.7	-31.7	-14.39 (36")	-14.39 (30")	-10.1 (N) (12")	354.8	46.9	242.89	19.64
DMH 6-01	B-1C	2398+63	-2	2.91	NO. 3		-32.78	-32.78	-14.39 (36")	-16.31 (42")		594.2	78.6	482.29	42.91
JC T1 7-01		2407+35	-3	3.4		NO. 2	-33.54	-33.54		-10.43		172.4	0	76.04	0
DMH 8-01	B-1C	2411+68	-3.5	-0.05	NO. 4		-35.36	-35.36	-13.32 (36")	-12.29 (27")		427.6	56.6	315.69	25.99
DMH 9-01		2417+25	4	1.5	NO. 5		-35.40	-35.40	-18.64 (36")	-18.64 (42")		619.9	82	507.99	49.98
JC T2 10-01	B36S	2423+23	-2	4.62		NO. 3	-36.29	-36.29	-10.40 (36")	-10.4 (24")	-2.94 (S) (12")	476.6	63	321.06	30.18
JC T2 11-01	B24S	2429+82	-4	2.31		NO. 4	-36.82	-36.82	-10.99 (42")	-10.99 (42")	-3.93 (S) (12")	428.4	56.7	272.86	26.18
JC T2 13-01	B34S	2437+54	-8	-1.28		NO. 5	-37.44	-37.44		-11.18 (42")		129.6	0	36.86	0
JC T2 14-01	B24N	2445+54	-16	1.63		NO. 6	-38.09	-38.09	-10.45 (36")	-10.45 (30")	-9.55 (S) (12")	394.2	52.1	238.66	23.74
JC T2 15-01	B36S	2450+62	-8	-2.1		NO. 7	-38.49	-38.49	-12.14 (36")	-12.14 (30")	-9.02 (S) (15")	337.1	44.6	181.56	18.32
JC T2 17-01	B36S	2460+76	-8	-2.01		NO. 8	-39.30	-39.30	-10.76 (36")	-10.76 (30")	-8.44 (S) (15")	301	39.8	145.46	15
JC T2 17-02	B24S	2465+33	-7	1.94		NO. 9	-39.67	-39.67	-9.78 (36")	-9.78 (27")	-8.04 (S) (12")	384.2	50.8	228.66	22.2
JC T2 22-01	B24S	2494+18	-5	6.72		NO. 10	-40.69	-40.69		-5.17 (30")	-2.61 (N) (12")	151.2	0	58.46	0
JC T2 25-01	B24N	2510+45	-6	6.23		NO. 11	-43.13	-43.13		-7.74 (30")	0.09 (N) (12")	173.9	0	81.16	0
JC T2 26-01	B24S	2517+50	-7	9.12		NO. 12	-43.58	-43.58		-4.33 (24")	-1.29 (N) (12")	168.2	0	75.46	0
JC T2 27-01	B36S	2522+92	-5	1.99		NO. 13	-43.88	-43.88		-5.96 (30")	-4.81 (N) (12")	108.3	0	15.56	0
TOTALS												5,996.0	625.0	3,840.0	298.0

SCHEDULE OF JACKED SEWERS

UPSTREAM STR. (CONTRACT 62302)	DOWN STREAM STR. (CONTRACT 62300)	SLOPE %	SEWER UPSTREAM INVERT	SEWER DOWNSTREAM INVERT	CASING UPSTREAM INVERT	CASING DOWNSTREAM INVERT	STORM SEWERS JACKED IN PLACE, CLASS A 36"	STORM SEWERS JACKED IN PLACE, CLASS A 42"	CASING 48"	CASING 60"	NUMBER OF PITS
3-01	DMH 3-01	0.22	-18.52	-18.63	-19.02	-19.13	48		48		2
5-05	DMH 5-01	0.15	-14.32	-14.39	-14.82	-14.89	48		48		2
6-08	DMH 6-01	0.30	-14.23	-14.39	-14.73	-14.89	55		55		2
7-11	707	0.15	-11.78	-11.87	-12.28	-12.37	59		59		2
8-19	DMH 8-01	0.15	-13.25	-13.32	-13.75	-13.82	47		47		2
9-11	907	0.15	-12.79	-12.87	-13.29	-13.37	52		52		2
10-06	JC T2 10-01	0.15	-10.29	-10.40	-10.79	-10.90	71		71		2
11-01	JC T2 11-01	0.23	-10.83	-10.99	-11.58	-11.74		71		71	2
14-08	JC T2 14-01	0.16	-10.33	-10.45	-10.83	-10.95	72		72		2
15-06	JC T2 15-01	0.30	-11.94	-12.14	-12.44	-12.64	65		65		2
17-04	JC T2 17-01	0.15	-10.70	-10.76	-11.20	-11.26	41		41		2
17-18	JC T2 17-02	0.20	-9.70	-9.78	-10.20	-10.28	42		42		2
TOTAL							600	71	600	71	

DS-41



REVISIONS	
NAME	DATE

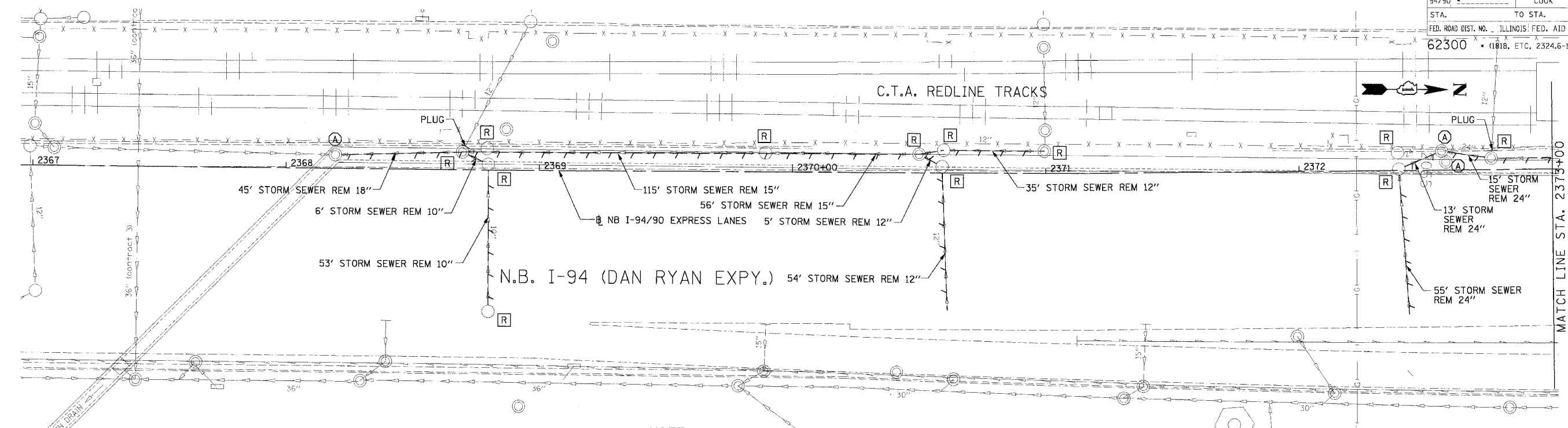
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION

DRAINAGE SCHEDULE
JUNCTION CHAMBERS AND JACKING

SCALE: 1" = N.T.S.
DATE: 7/7/05

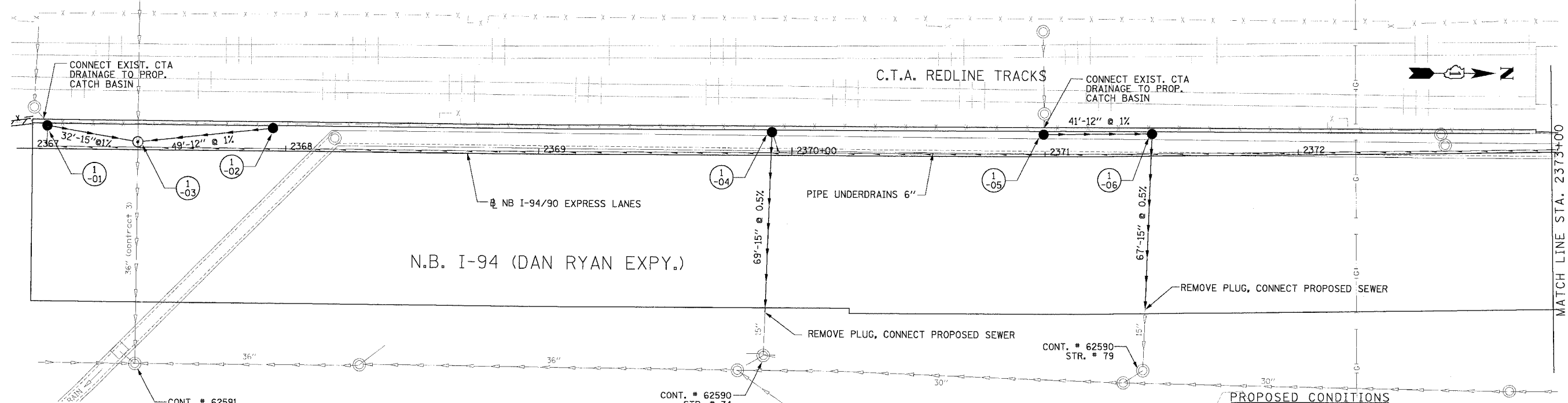
DRAWN BY: MJO
CHECKED BY: LPN

06/27/2005 07:46:42 PM



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

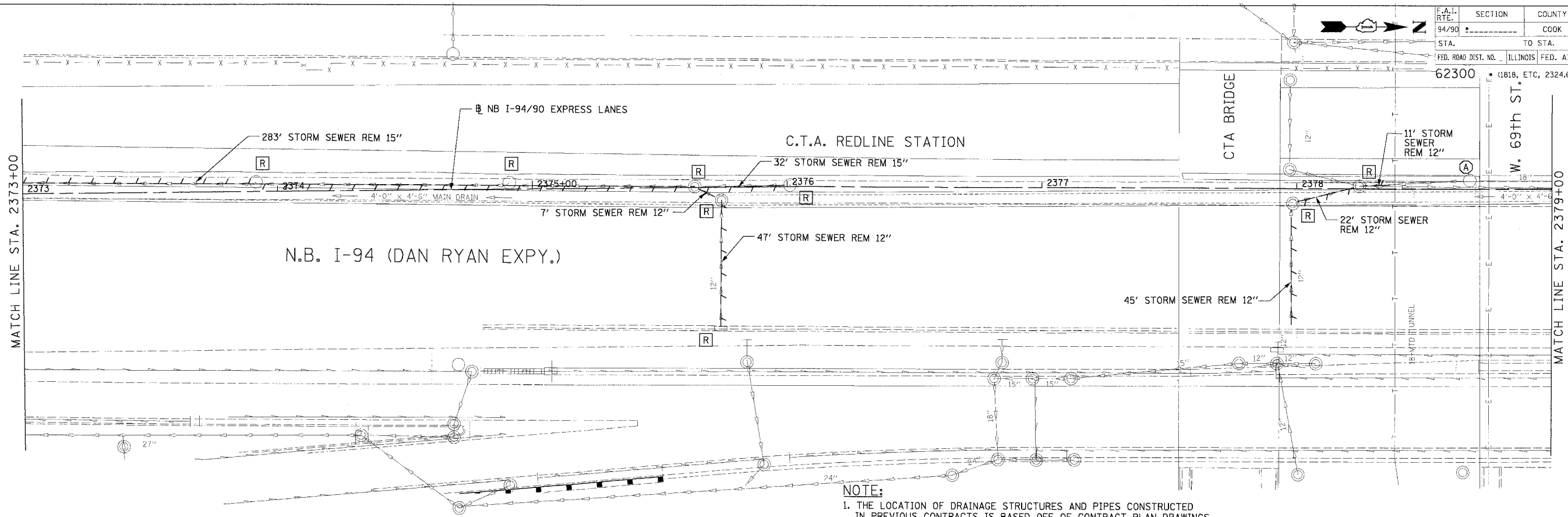
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2367+00 TO STA. 2373+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

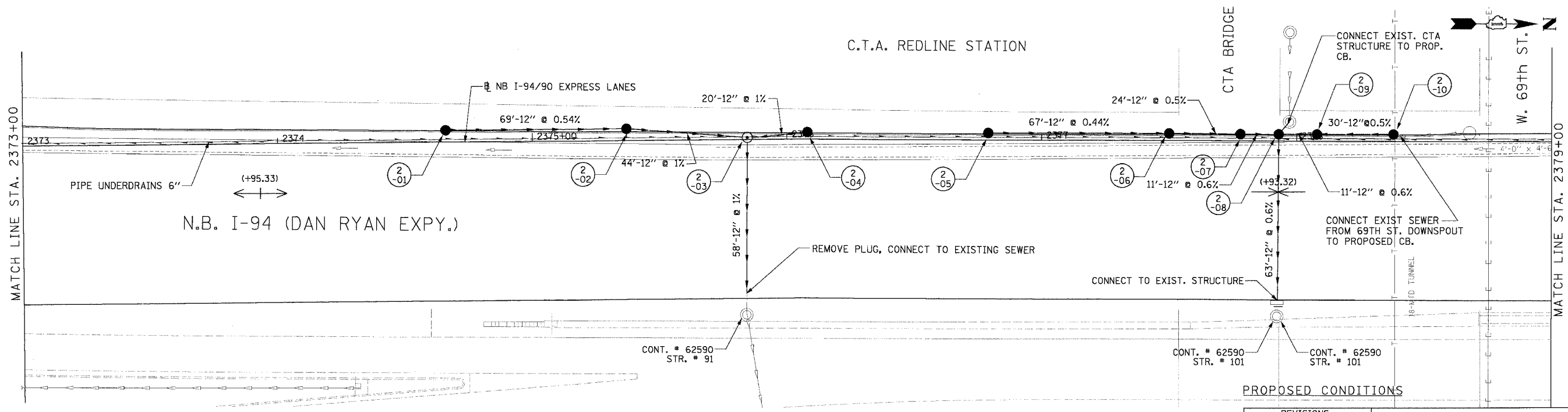
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	158
STA.	TO STA.		FED. ROAD DIST. NO.	
62300	ILLINOIS		FED. AID PROJECT	
(1818, ETC, 2324.6-1PR-8				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

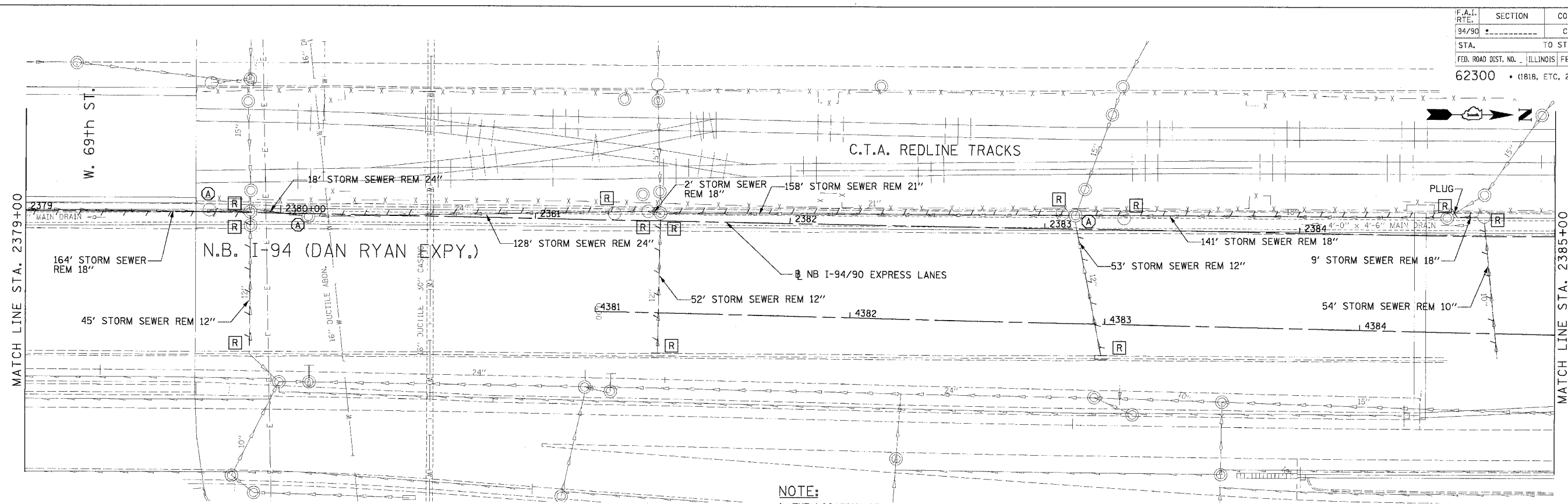
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2373+00 TO STA. 2379+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05 DRAWN BY: LPN
 CHECKED BY: PJM

Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
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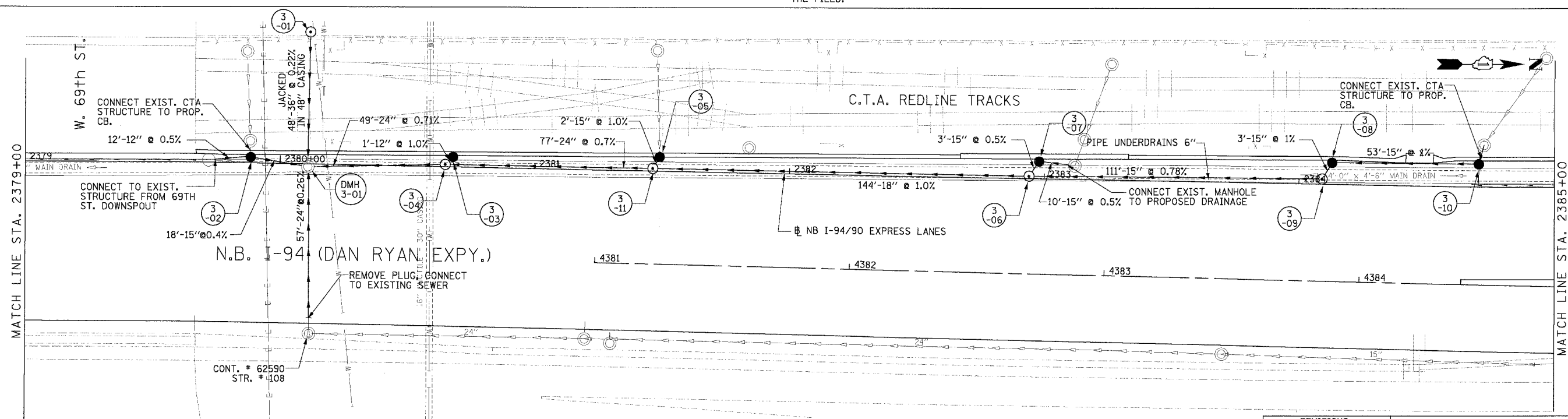
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F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	159
STA.	TO STA.			
62300	ILLINOIS		FED. AID PROJECT	
FED. ROAD DIST. NO. 1818, ETC. 2324.6-1PJR-B				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

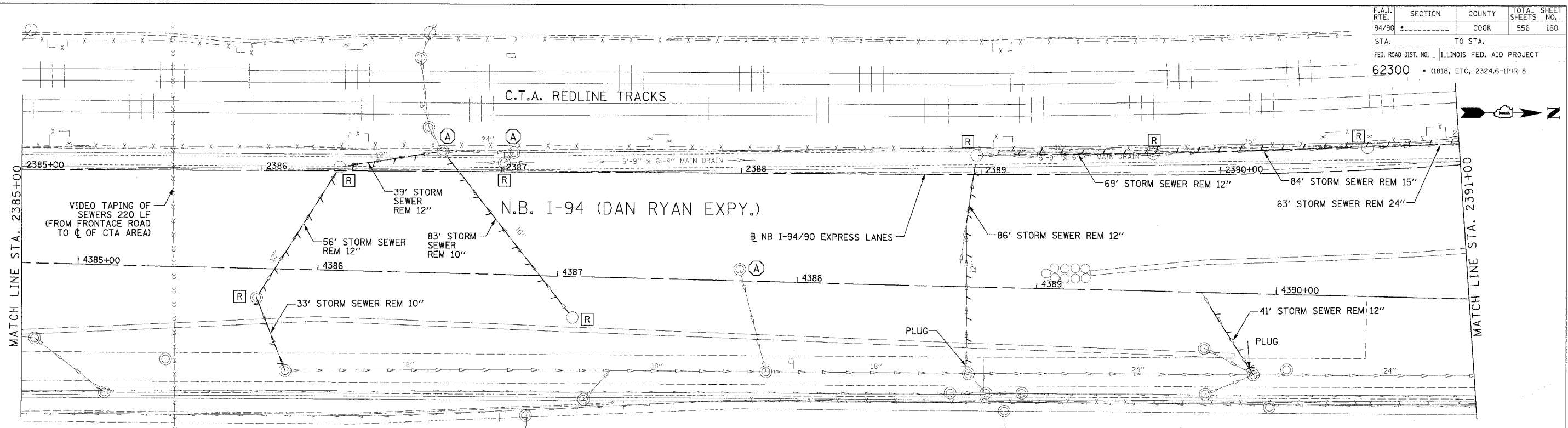
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2379+00 TO STA. 2385+00

SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05 DRAWN BY: LPN
 CHECKED BY: PJM

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 CHICAGO, IL 60606
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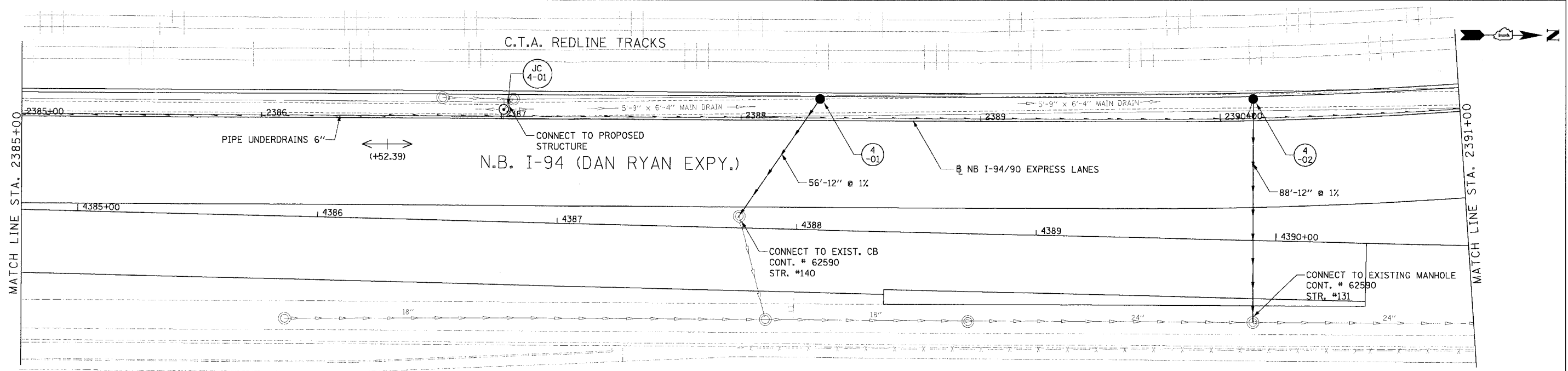
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94/90		COOK	556	160
STA.	TO STA.			
62300	1818, ETC. 2324.6-1PIR-8			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:

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EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

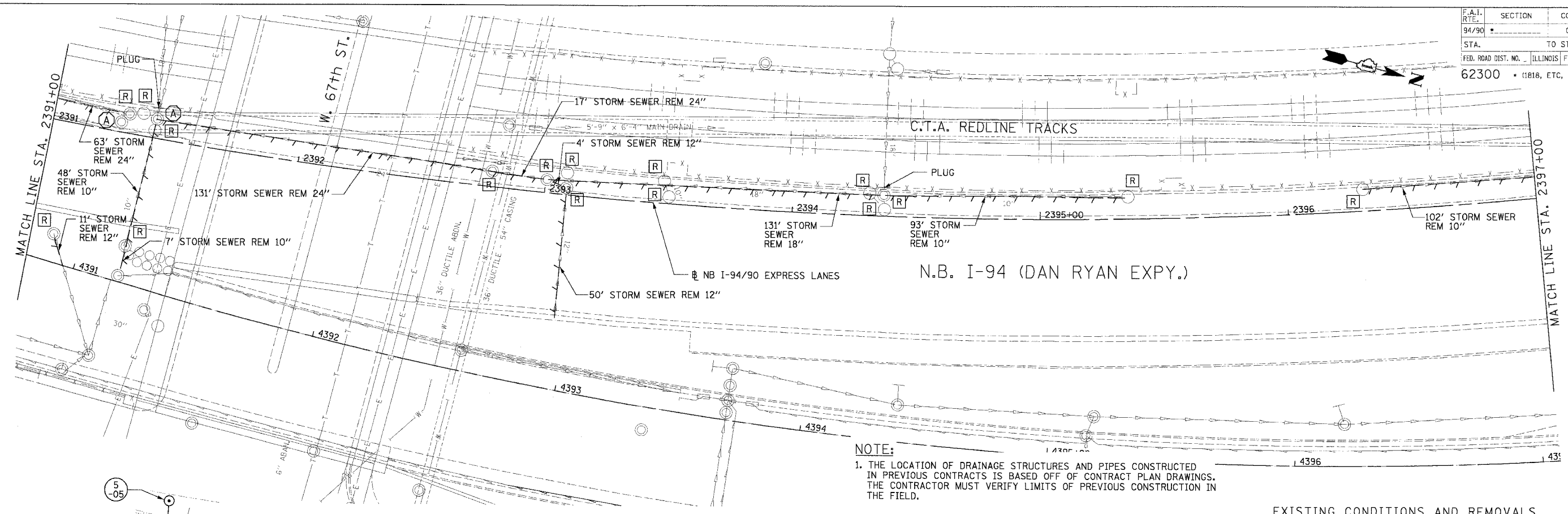
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2385+00 TO STA. 2391+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

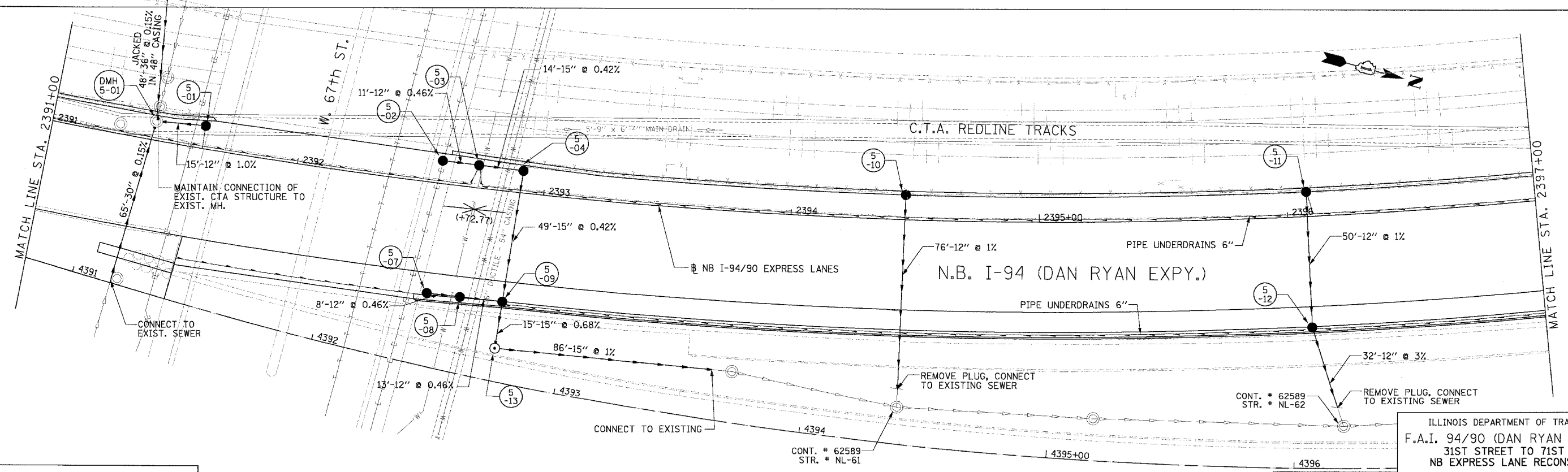
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONES: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

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F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	161
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
62300		01818, ETC, 2324.6-1P1R-8	



EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

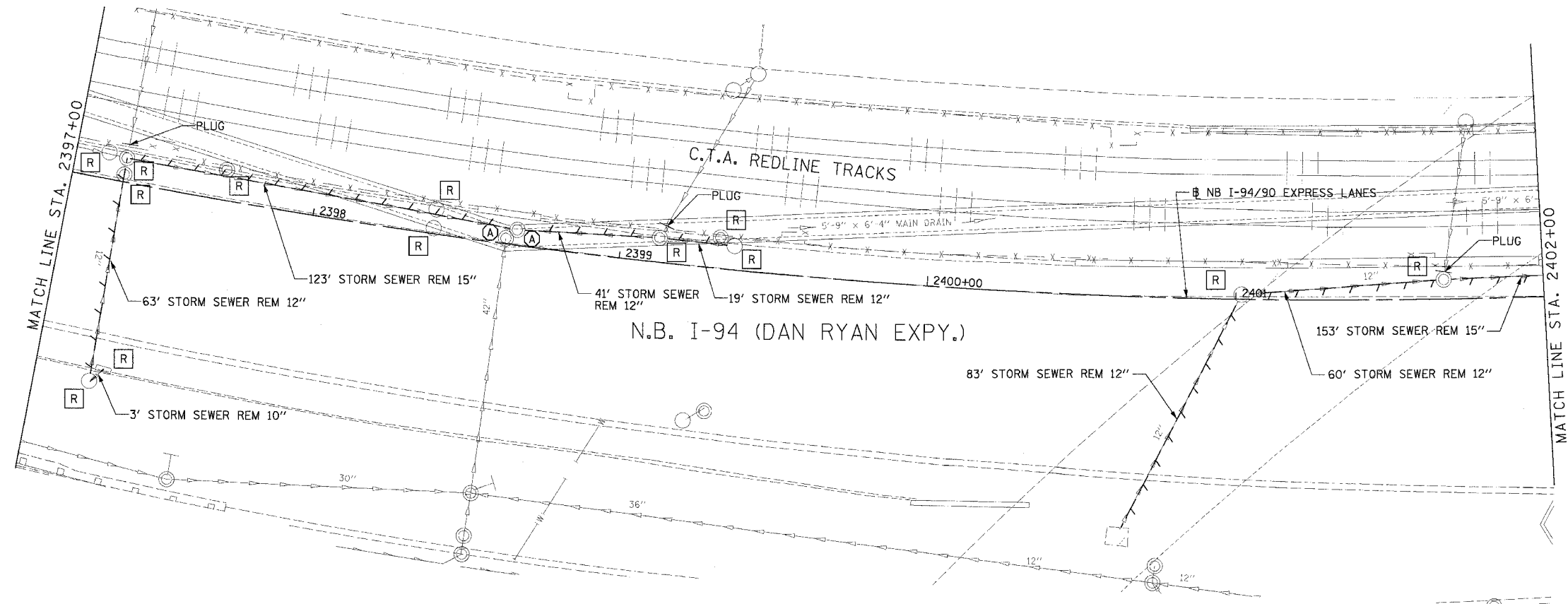
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 CHICAGO, IL 60606
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REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2391+00 TO STA. 2397+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

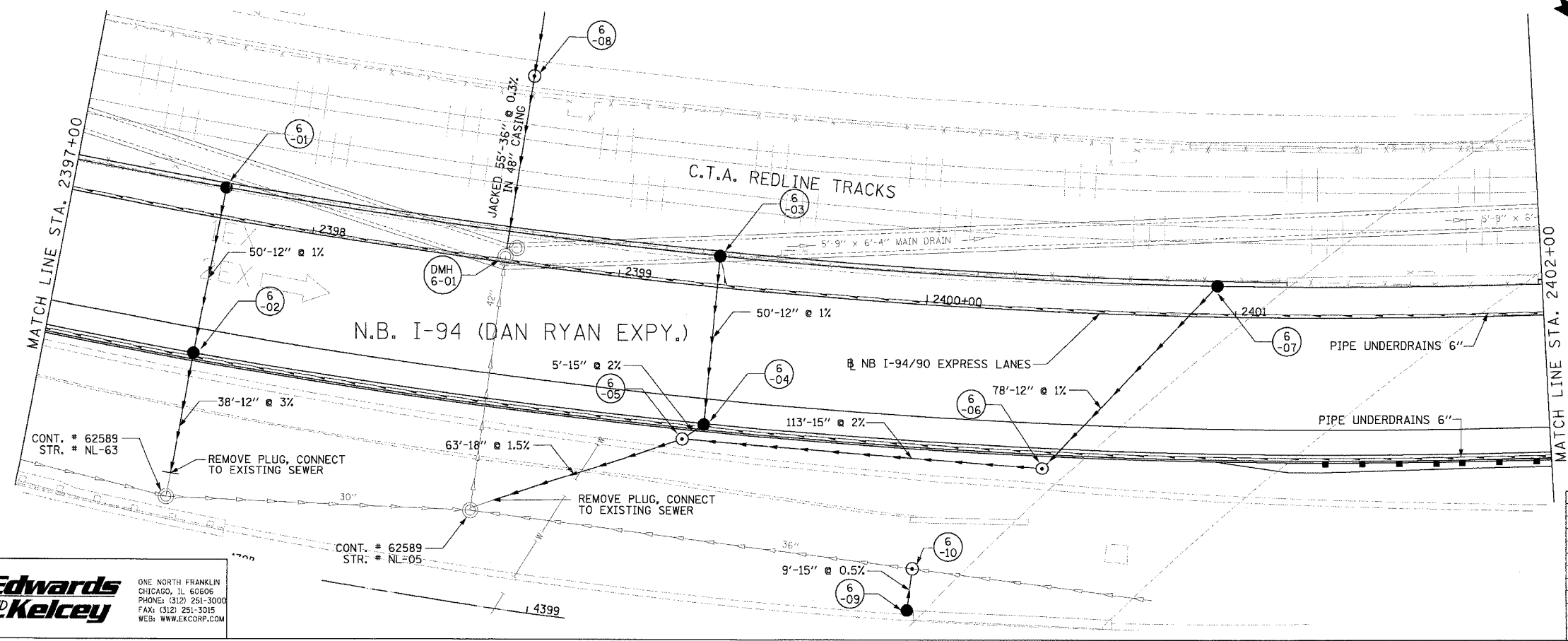
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
94/90		COOK	556 162
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62300	• (1818, ETC, 2324.6-1)R-8		



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

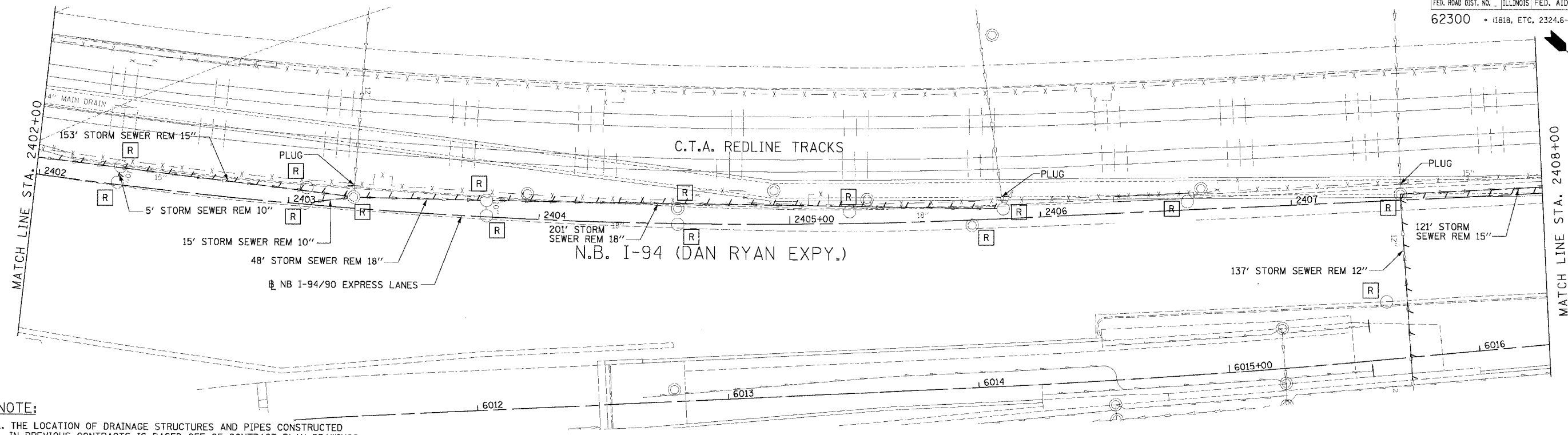
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2397+00 TO STA. 2402+00
 SCALE: 1"=20'
 DATE: 7/1/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

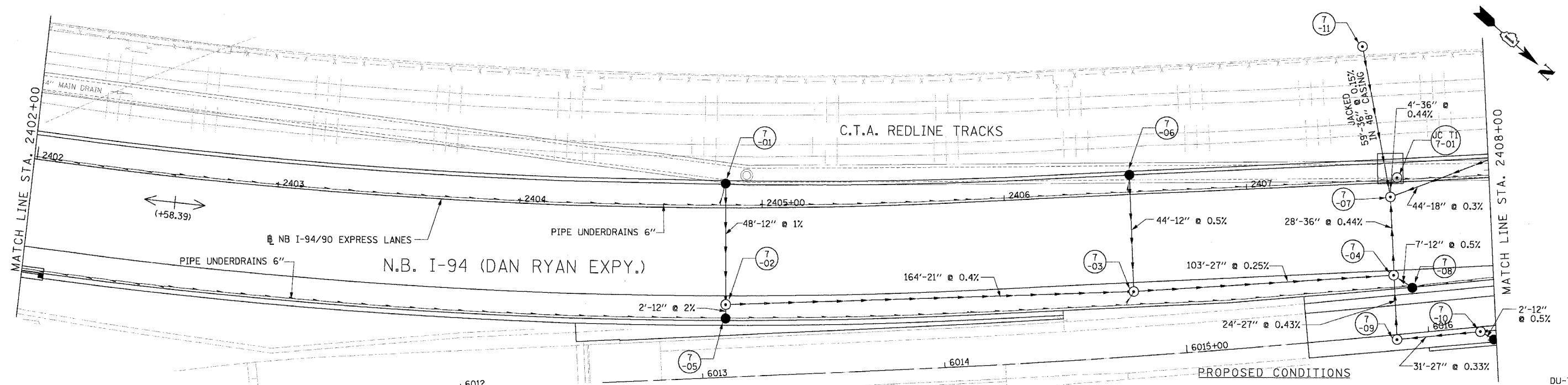
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	163
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62300 • (181B, ETC, 2324.6-1PR-8				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

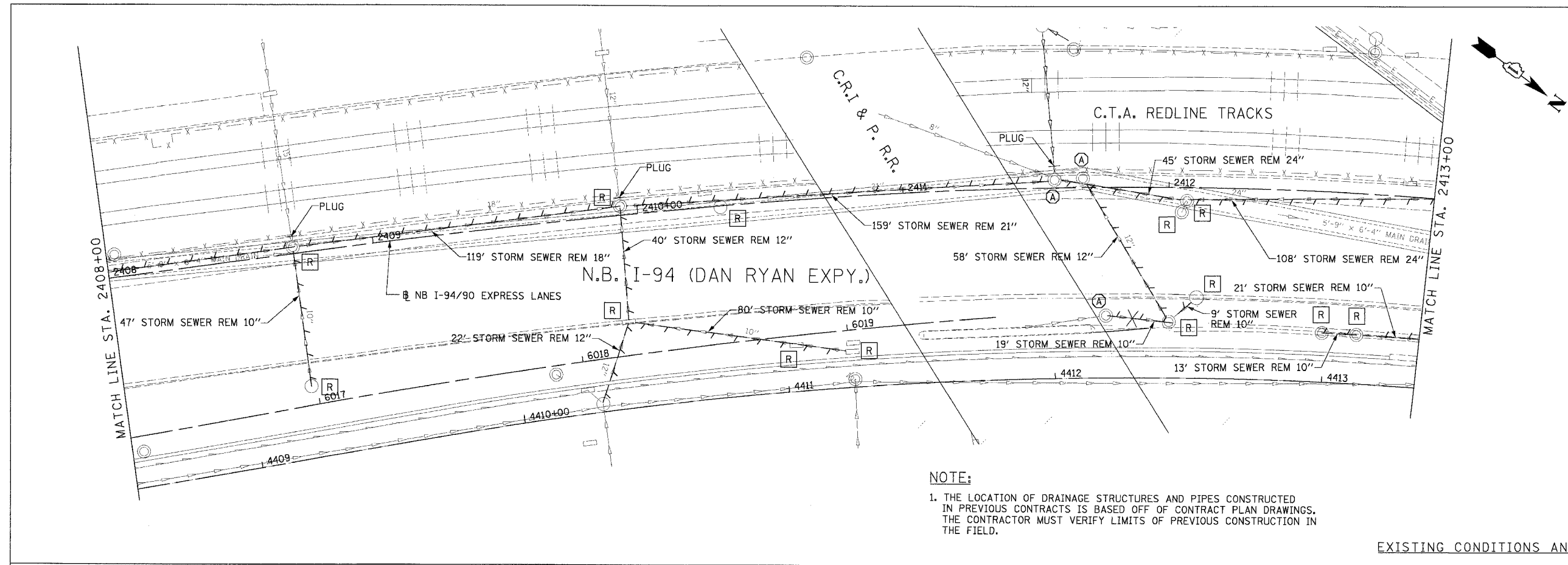
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2402+00 TO STA. 2408+00
 SCALE: 1"=20'
 DATE: 7/1/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

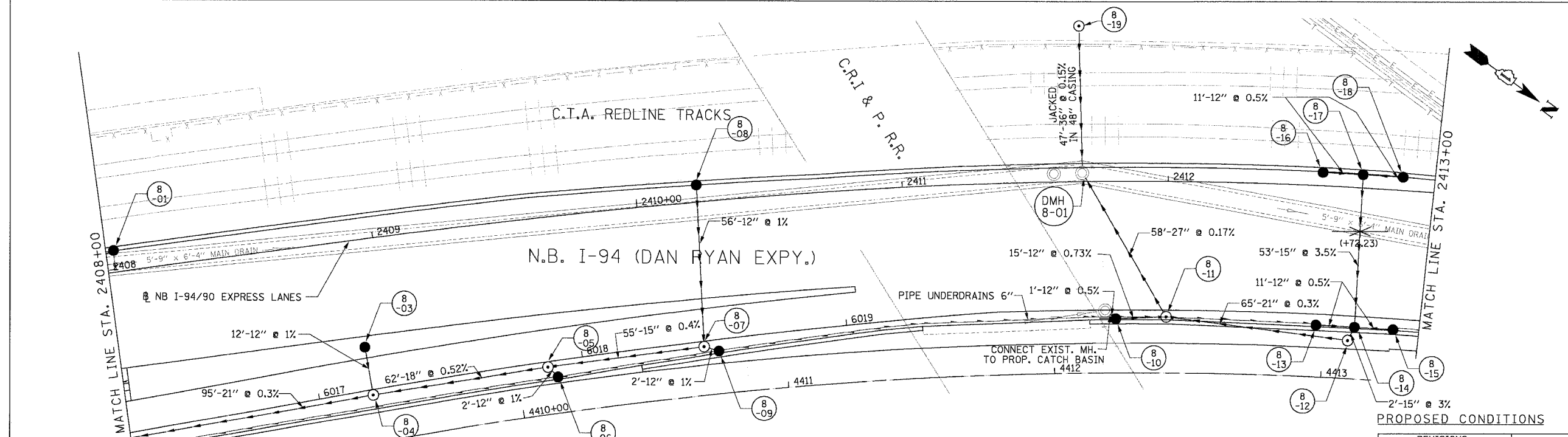
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F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	COOK	556	164
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
62300		181B, ETC, 2324.6-1PR-8	



NOTE:
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EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

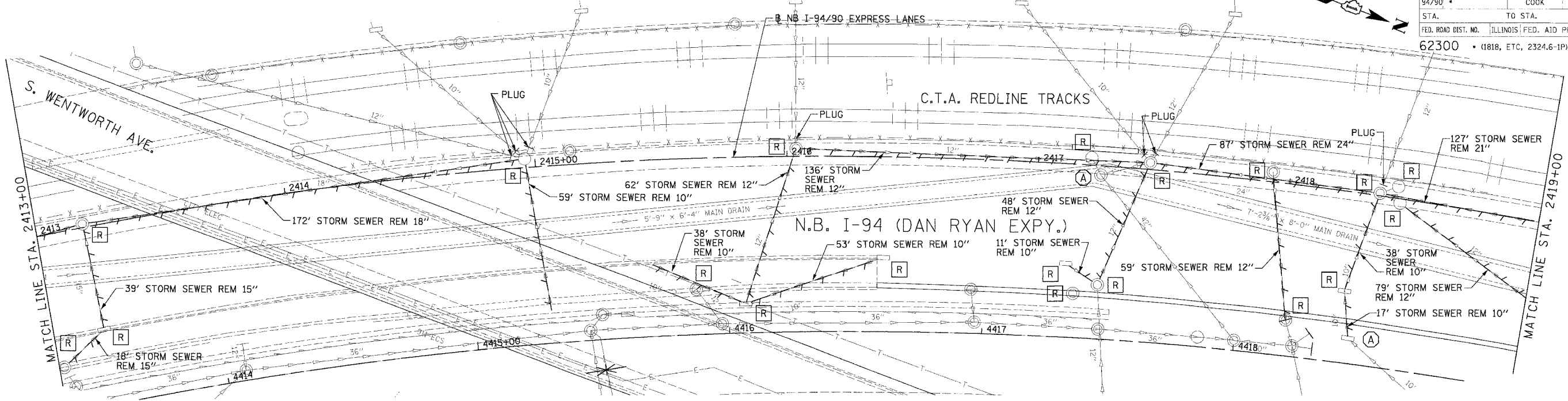
Edwards AND Kelcey
 ONE NORTH FRANKLIN CHICAGO, IL 60606
 PHONES: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2408+00 TO STA. 2413+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

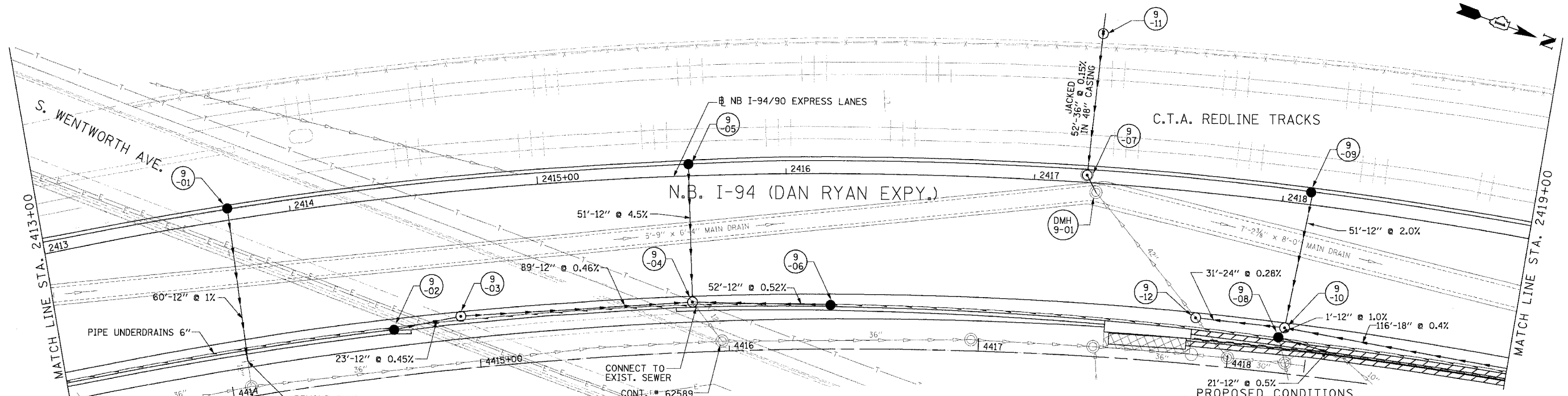
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	165
STA.	TO STA.			
	ILLINOIS FED. AID PROJECT			
62300 • (1818, ETC, 2324.6-1PIR-8				



NOTE:
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EXISTING CONDITIONS AND REMOVALS



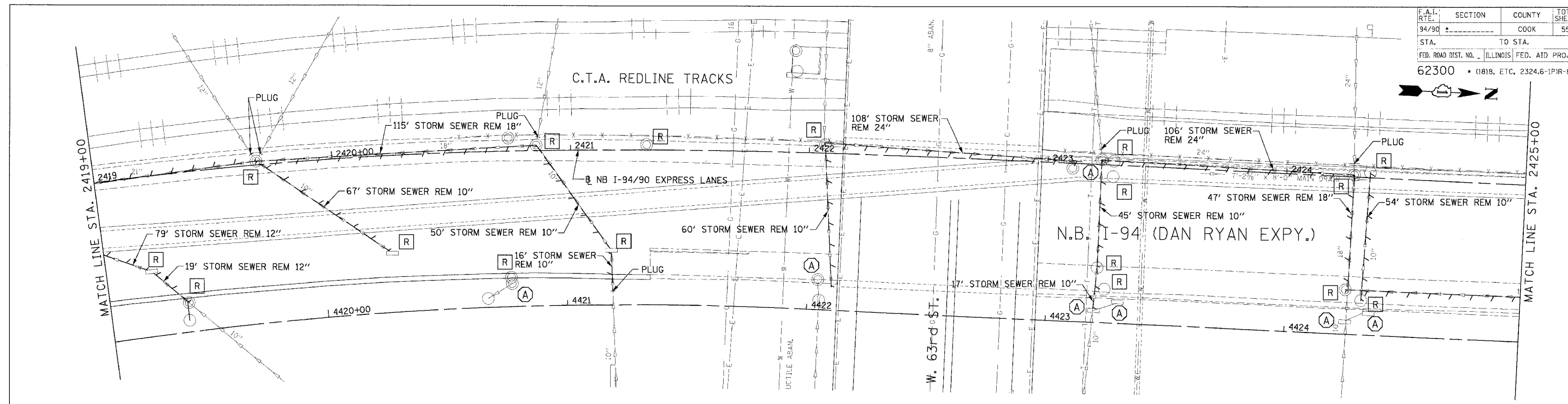
PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2413+00 TO STA. 2419+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

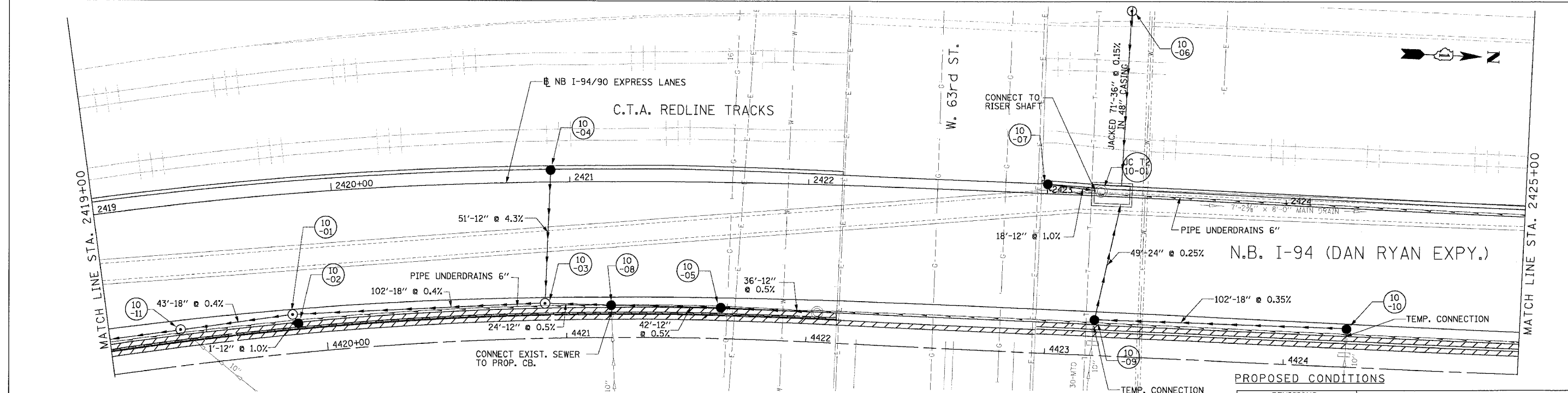
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 231-3015
 WEB: WWW.EKCORP.COM

06/28/2005 11:03:32 AM
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NOTES:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS

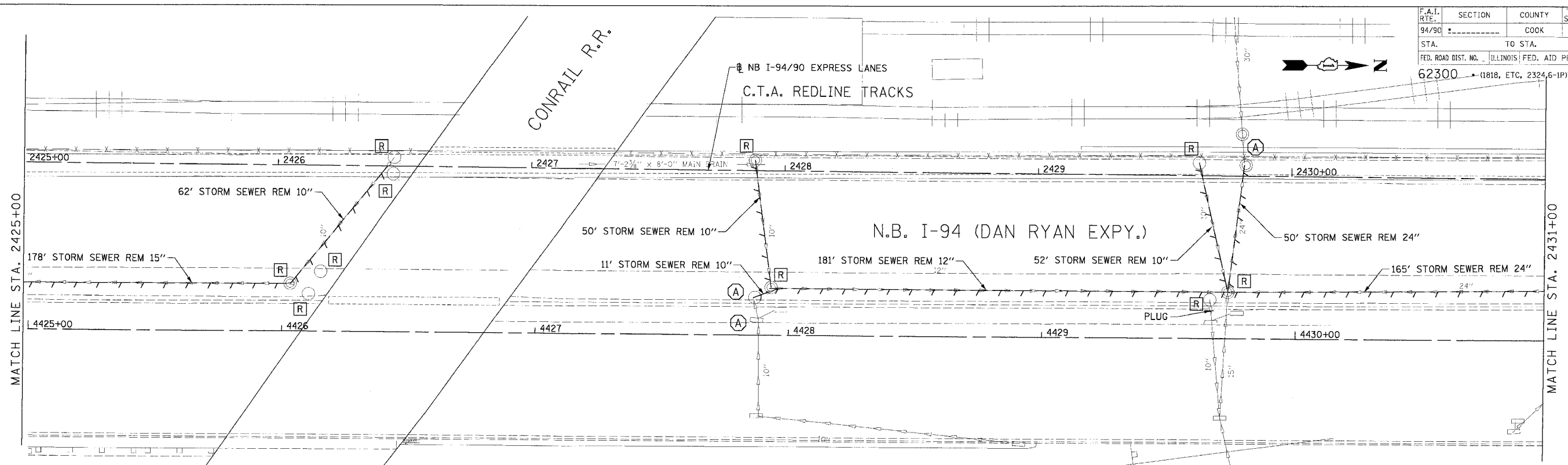


PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

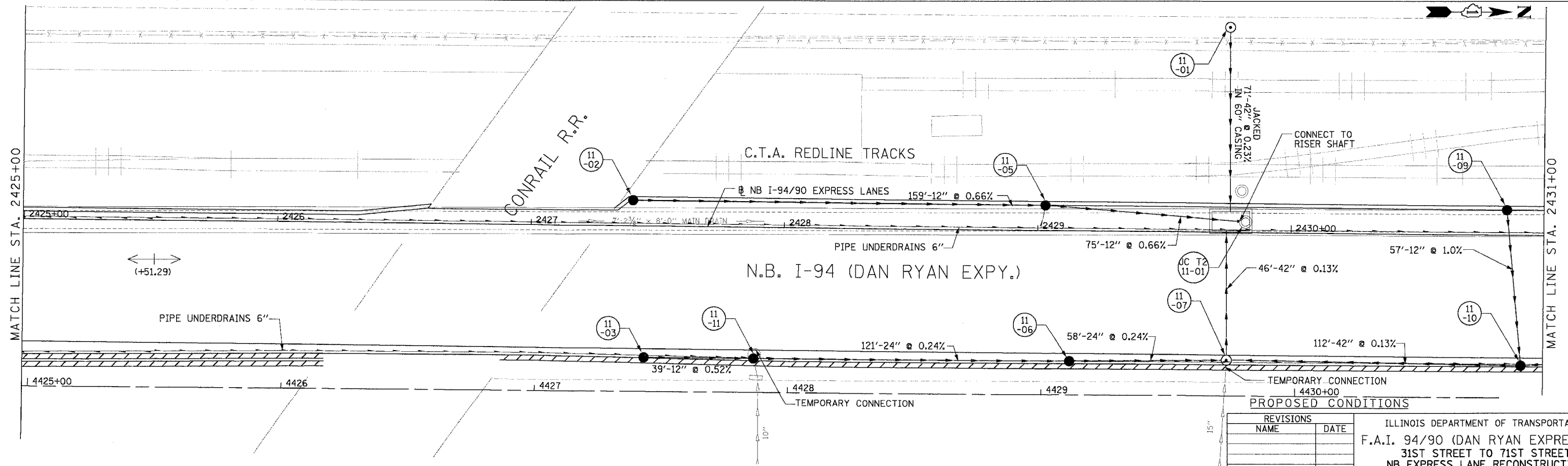
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2419+00 TO STA. 2425+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	167
STA.	TO STA.			
62300	(1818, ETC, 2324.6-1)PR-8			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTES:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

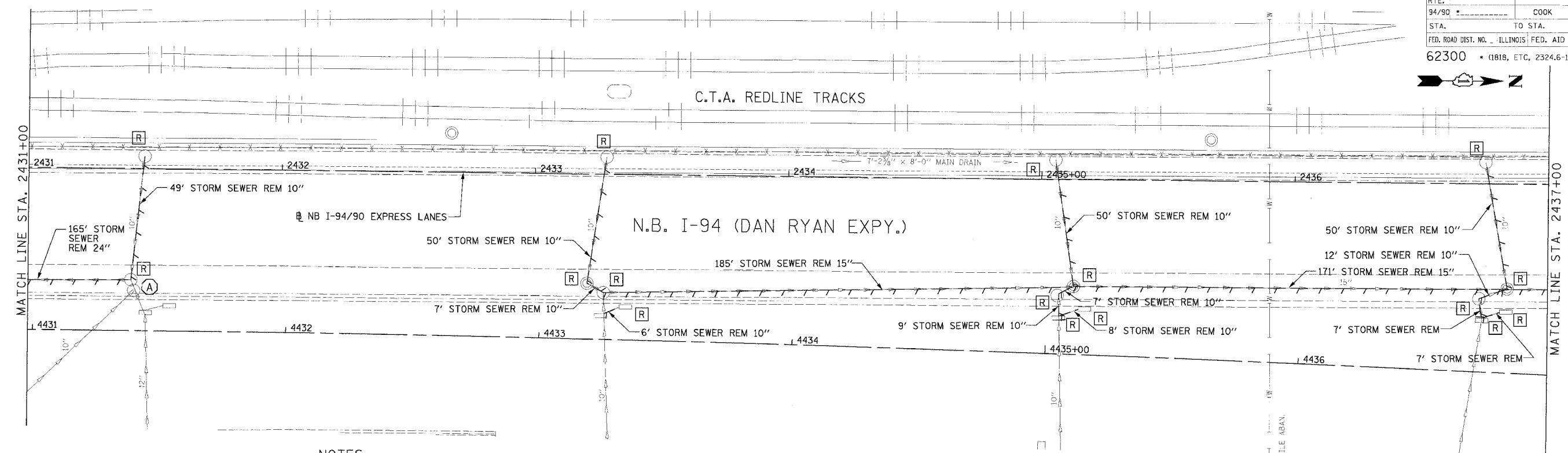
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2425+00 TO STA. 2431+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

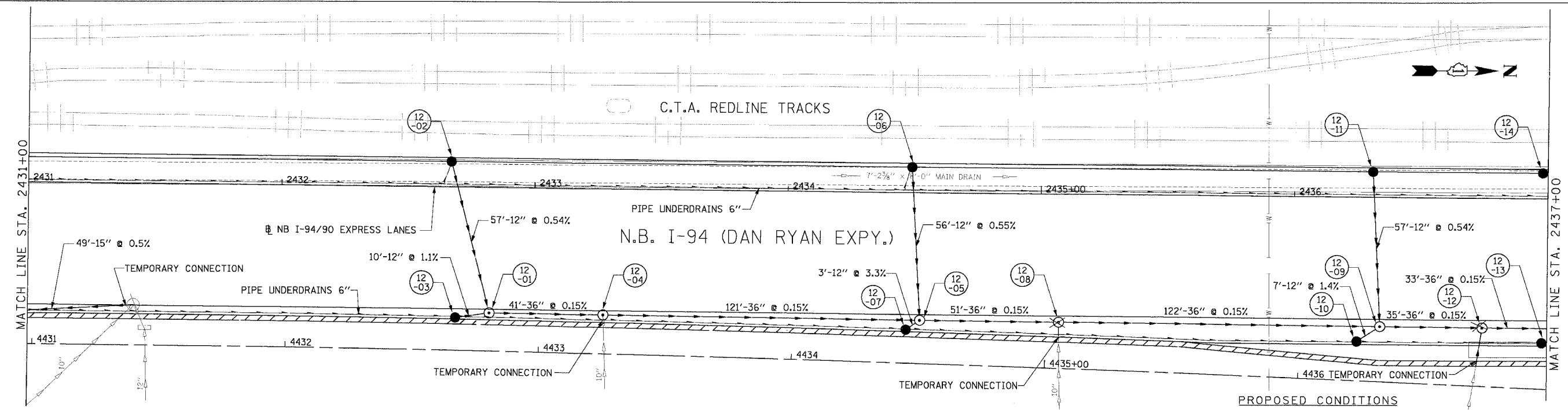
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F.A.I. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	168
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
62300		(1818, ETC, 2324.6-1)PR-8		



NOTES:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

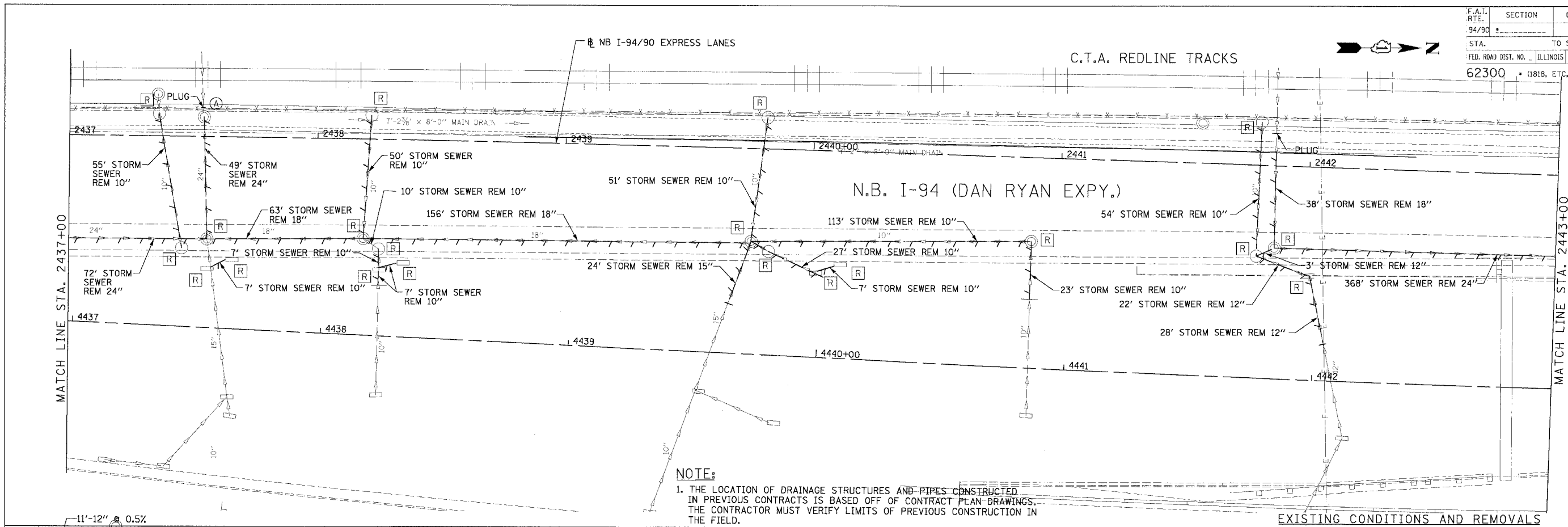
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Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

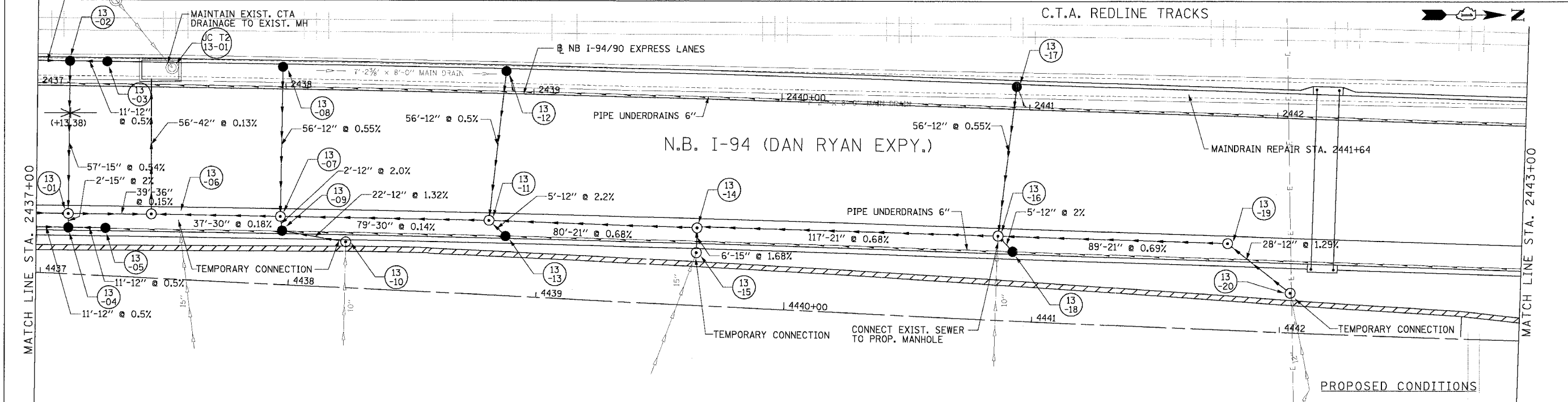
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2431+00 TO STA. 2437+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

06/27/2005 03:55:28 PM



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.



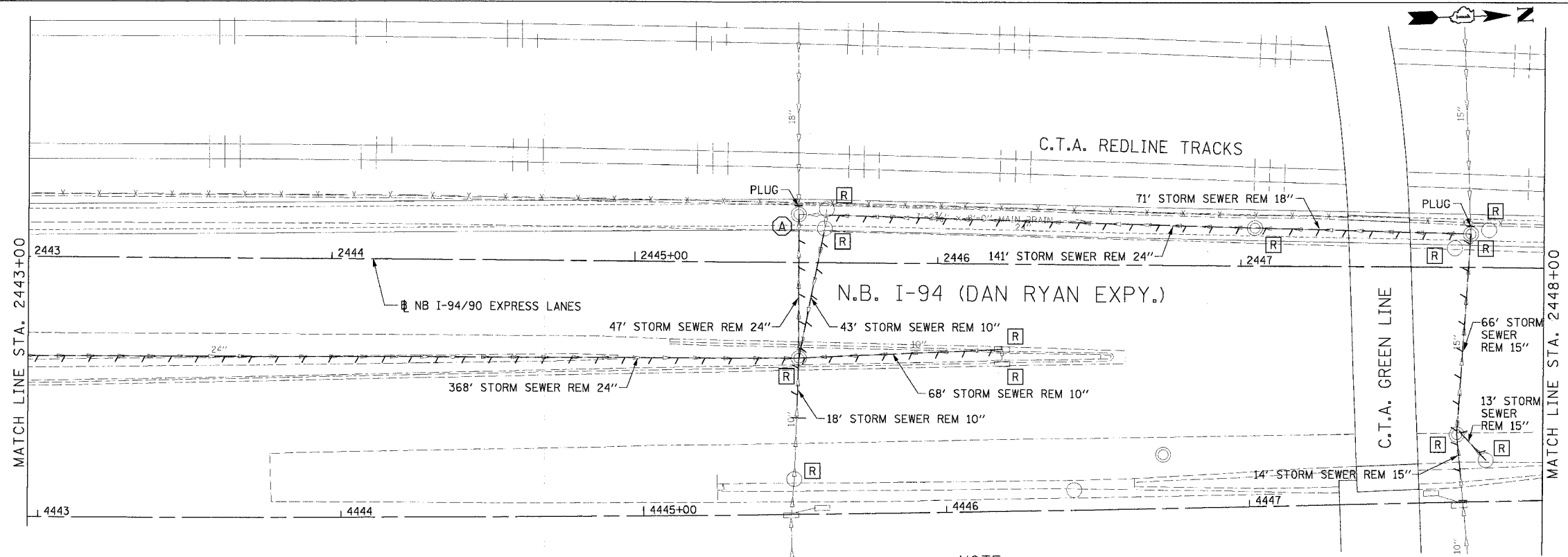
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2437+00 TO STA. 2443+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

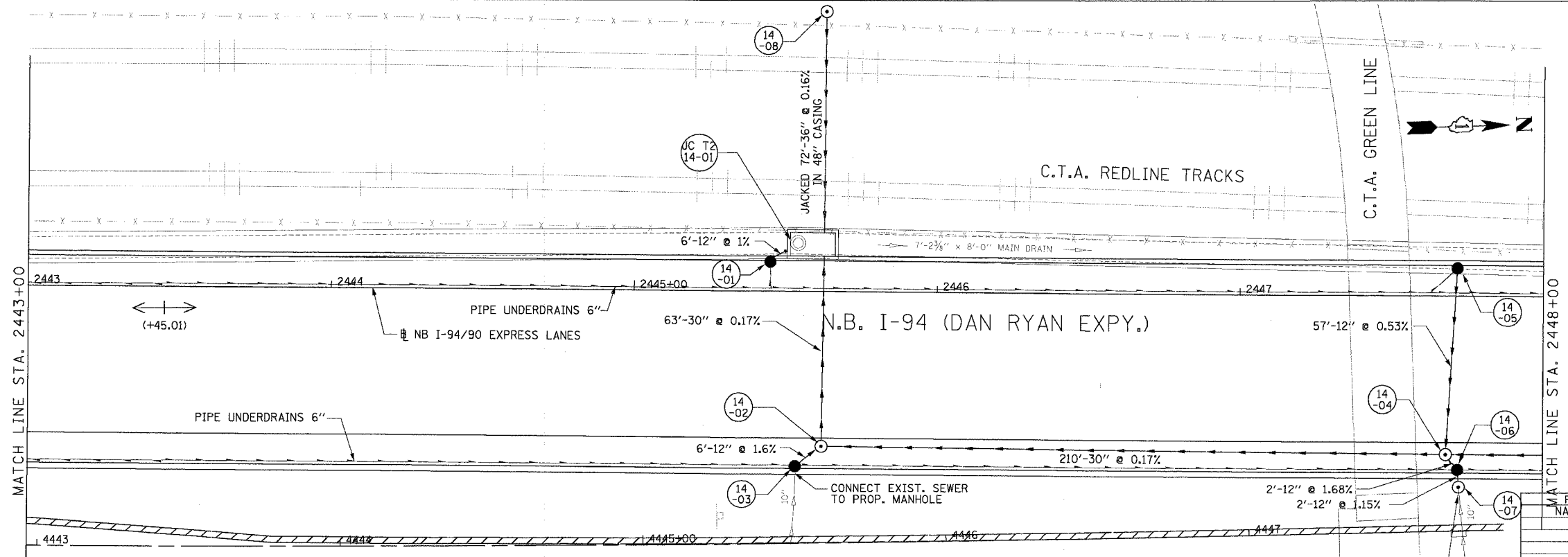
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	170
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	• (18)B, ETC, 2324.6-1PR-8			



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

DU-14

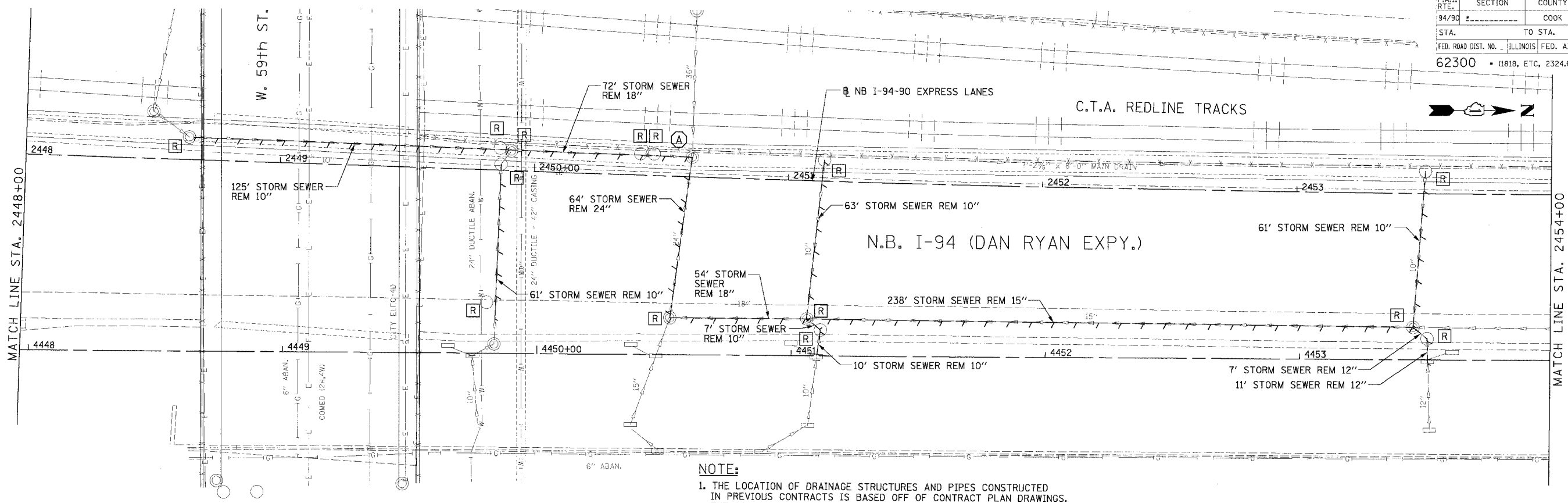
REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2443+00 TO STA. 2448+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

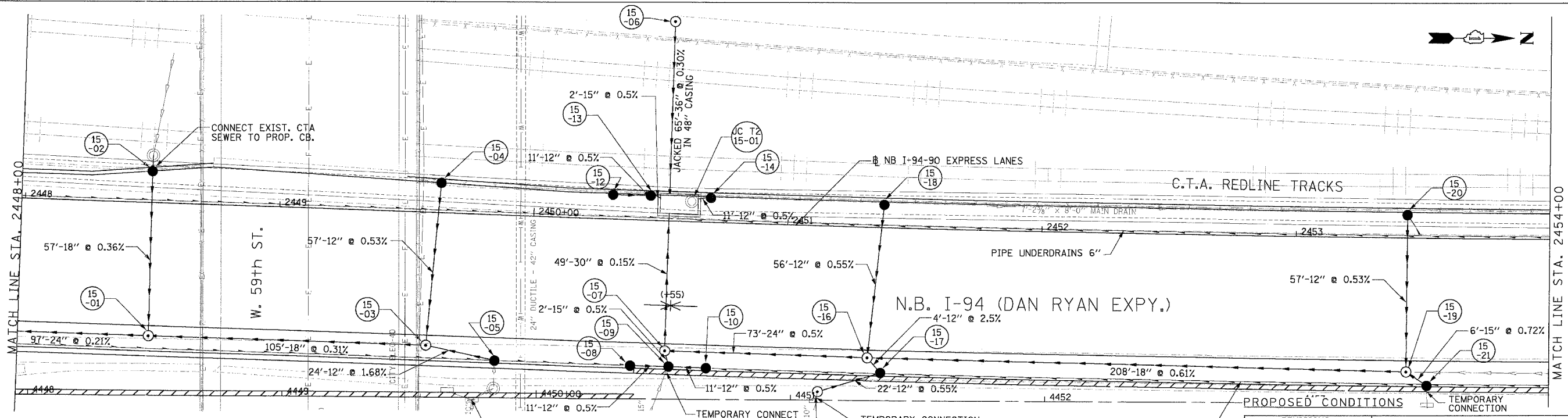
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F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	171
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	(1818, ETC, 2324.6-1PR-8			



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

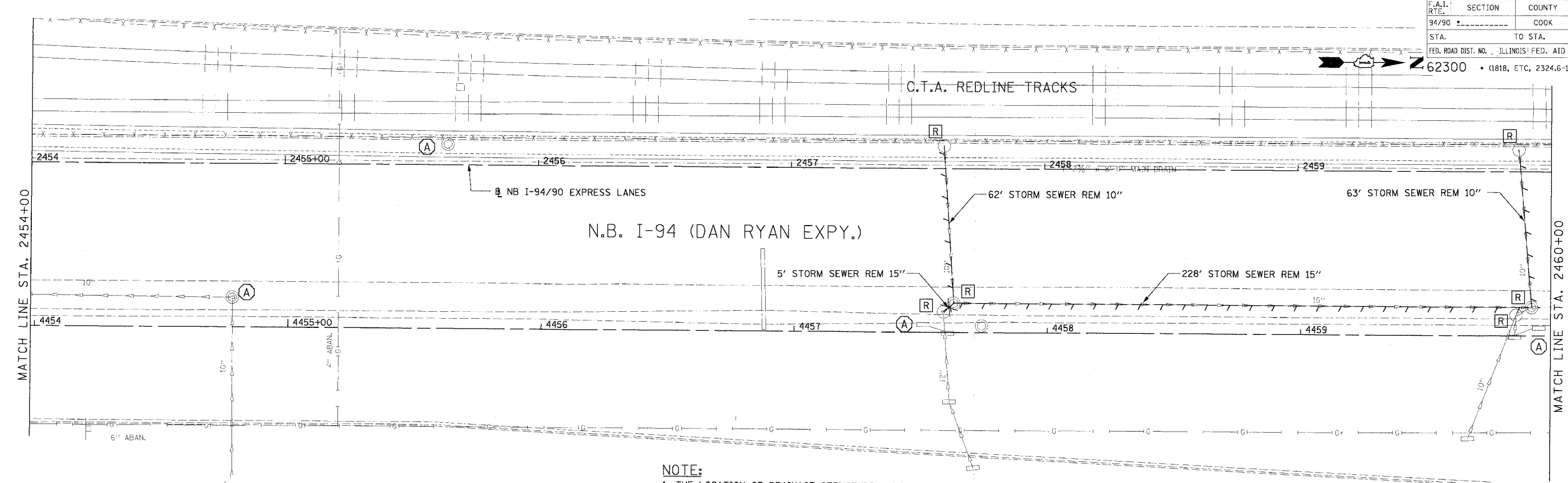
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONES: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

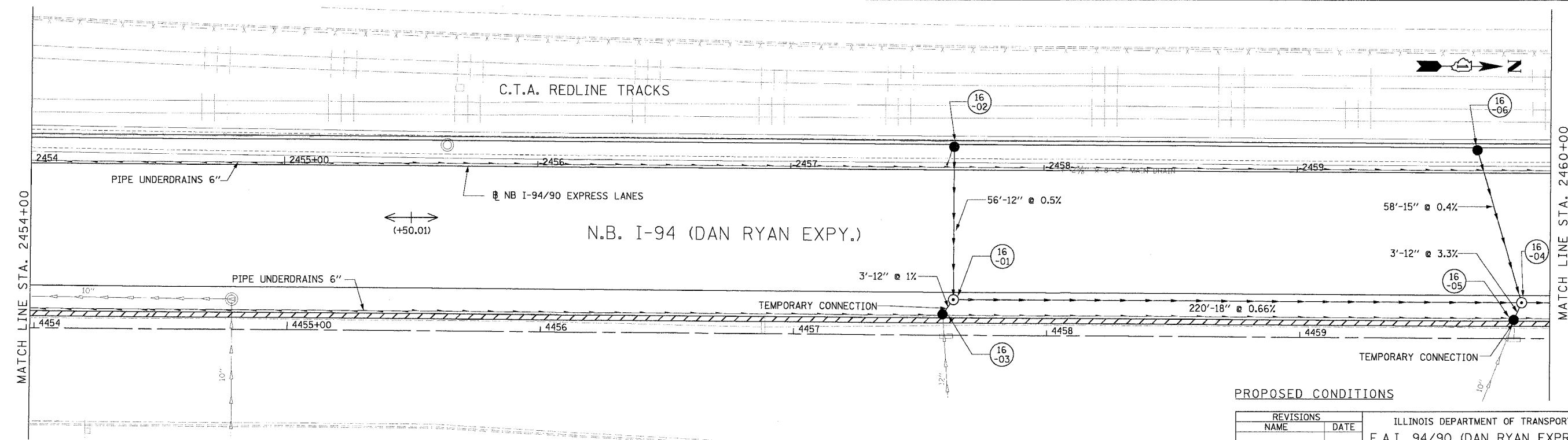
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2448+00 TO STA. 2454+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	172
STA.	TO STA.		FED. ROAD DIST. NO.	
62300	(1818, ETC, 2324.6-1)PR-8		ILLINOIS FED. AID PROJECT	



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

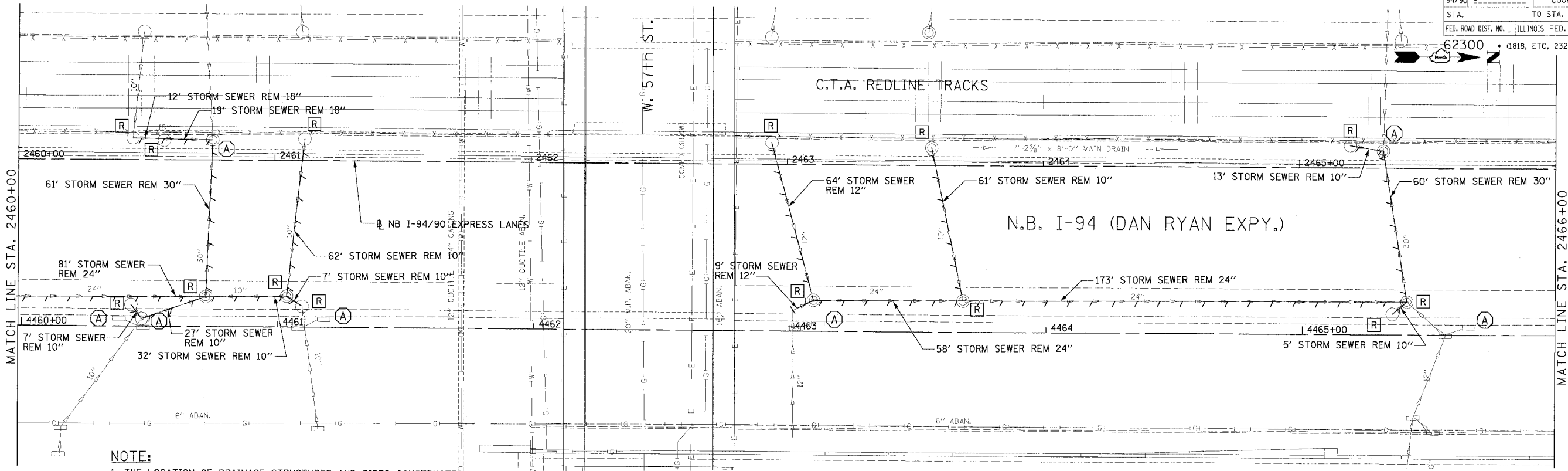


REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2454+00 TO STA. 2460+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

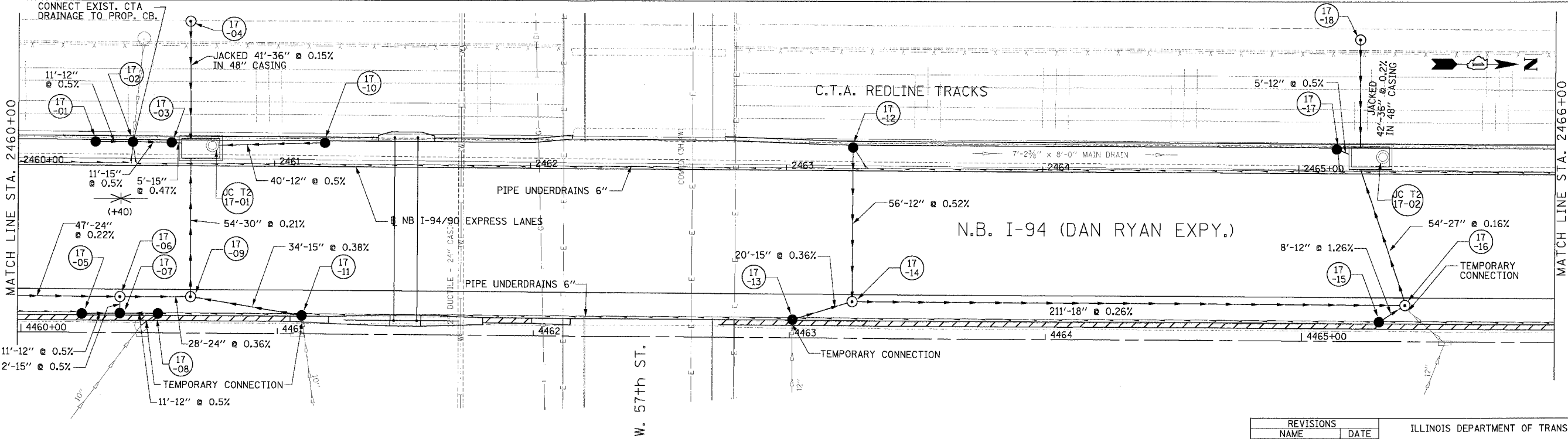
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

06/24/2005 04:00:09 PM
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NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION

DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2460+00 TO STA. 2466+00

SCALE: 1"=20'
 DATE: 1/7/05

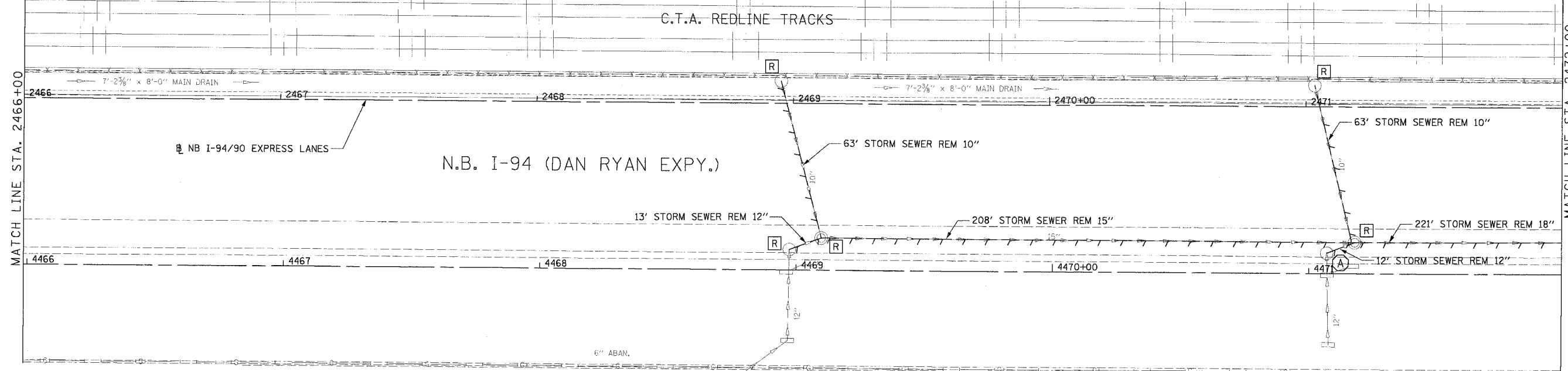
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 CHECKED BY: PJM

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

DU-17

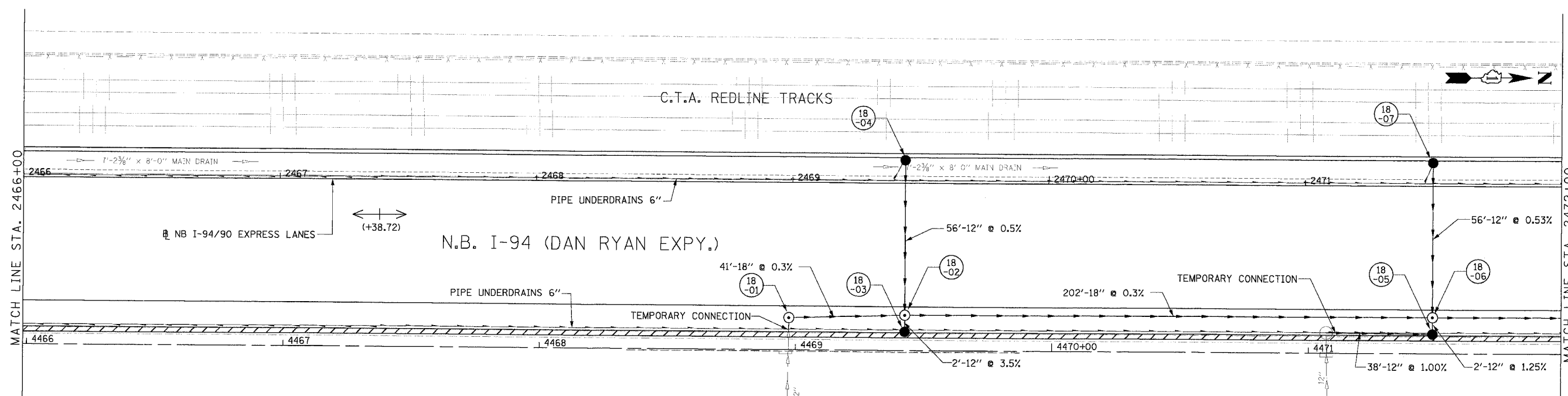
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F.A.I. SECTION	COUNTY	TOTAL SHEET SHEETS NO.
94/90	COOK	556 174
STA.	TO STA.	
62300	(1818, ETC, 2324.6-1)PR-8	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

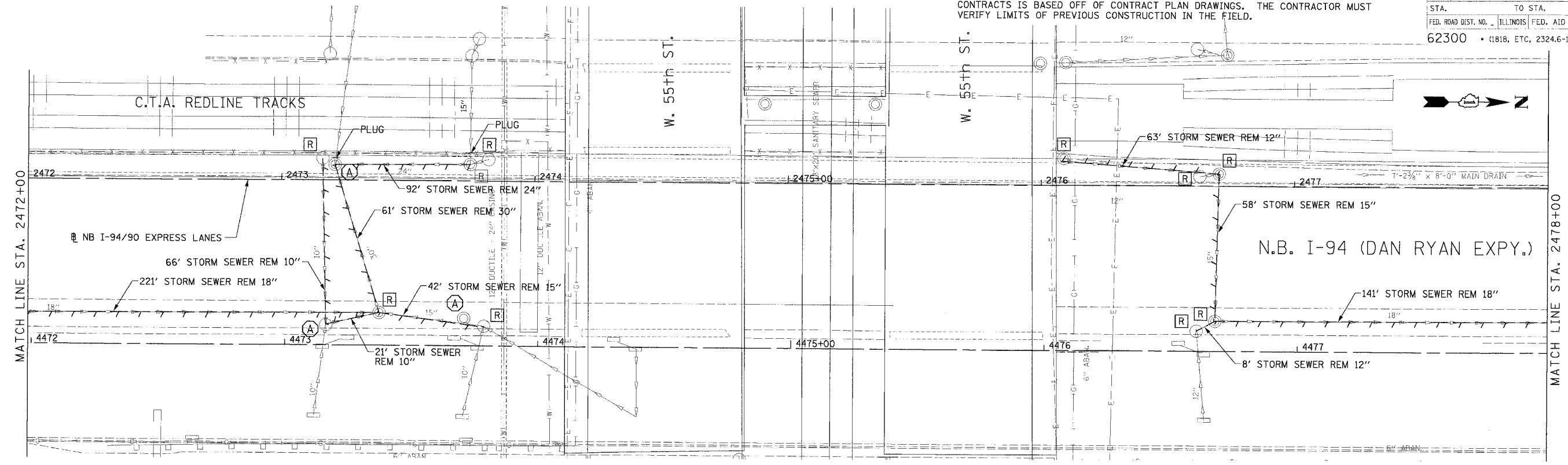
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2466+00 TO STA. 2472+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

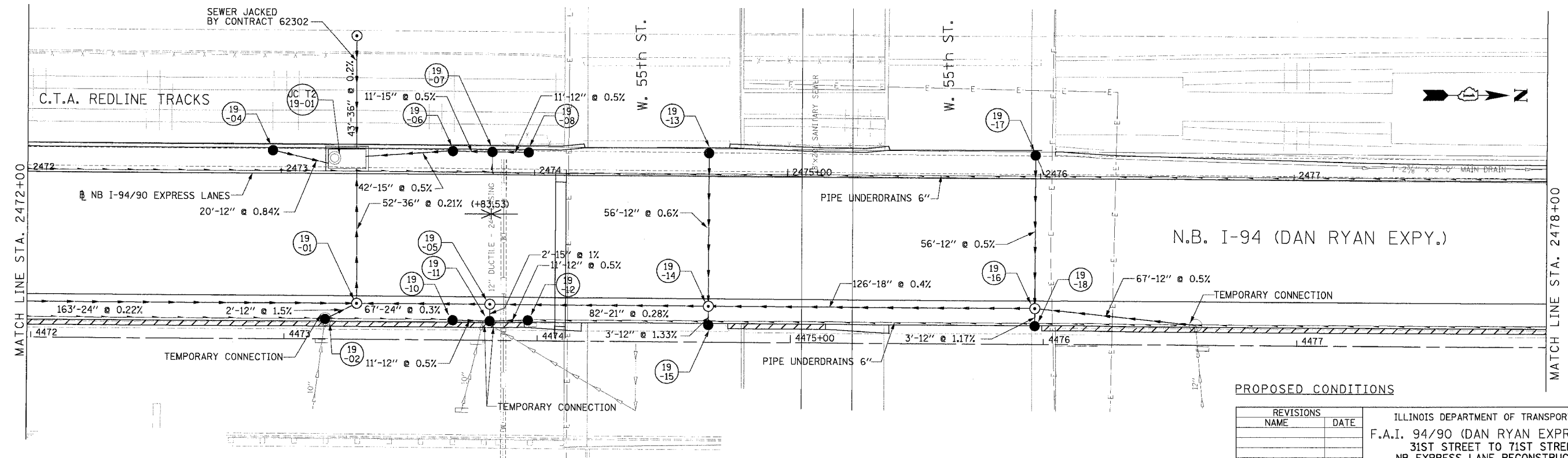
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F.A.I. R/F:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	175
STA.	TO STA.		FED. AID PROJECT	
62300	(18)B, ETC, 2324.6-1PIR-B			

NOTE:
1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.



EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

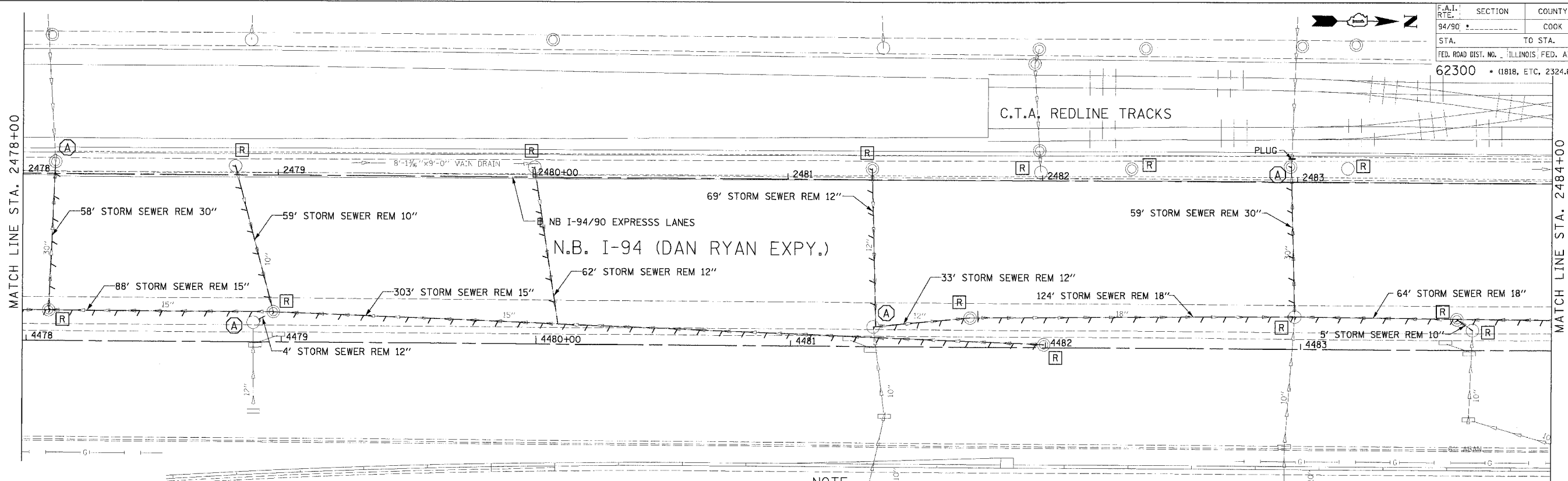
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2472+00 TO STA. 2478+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

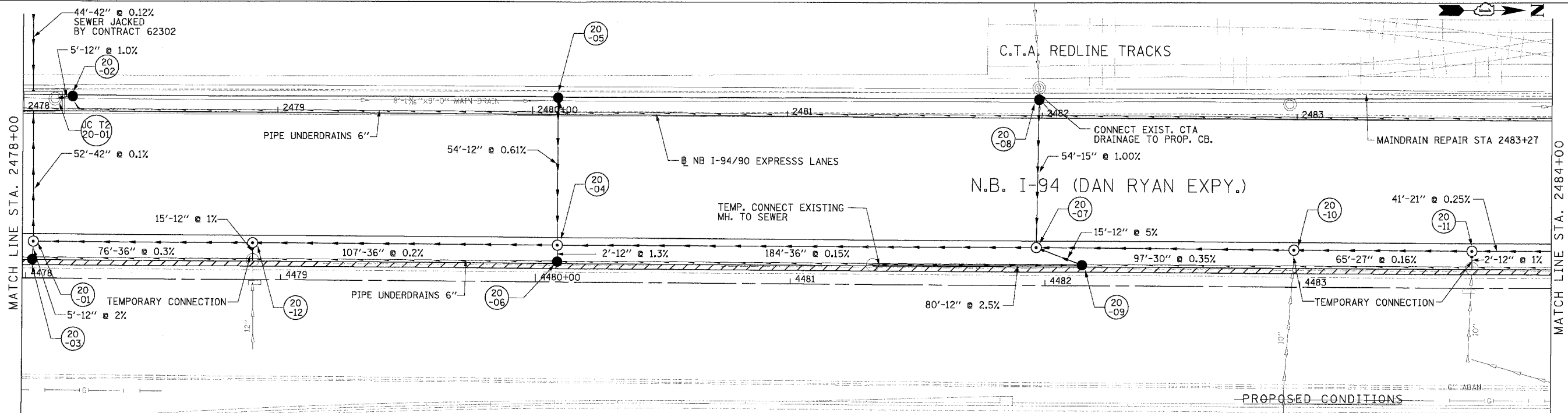
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F.A.I. SECTION	COUNTY	TOTAL SHEET
94/90	COOK	556
NO.		176
STA. TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
62300 (1818, ETC. 2324.6-1)PR-8		



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

DU-20

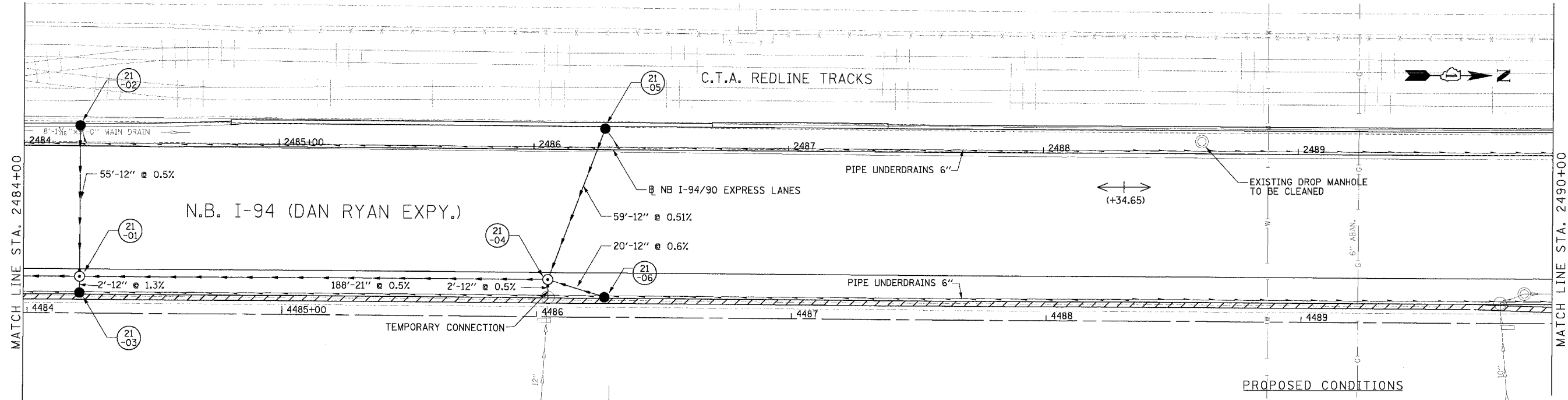
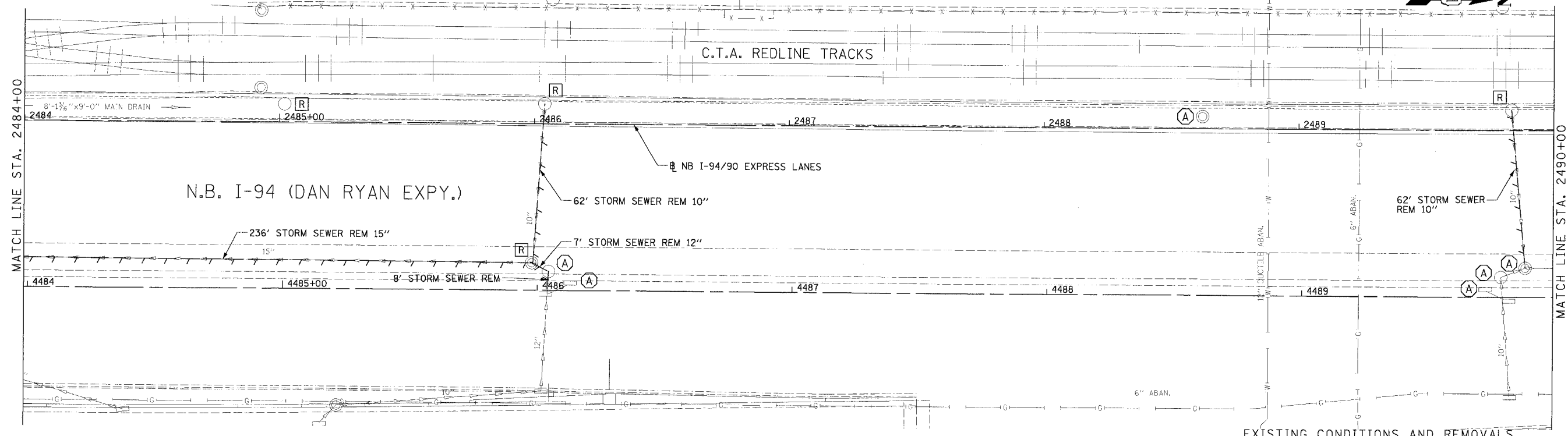
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2478+00 TO STA. 2484+00
 SCALE: 1"=20'
 DATE: 7/1/05
 DRAWN BY: LPN
 CHECKED BY: P.JM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	177
STA.	TO STA.			
62300	01818, ETC, 2324.6-1PR-8			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



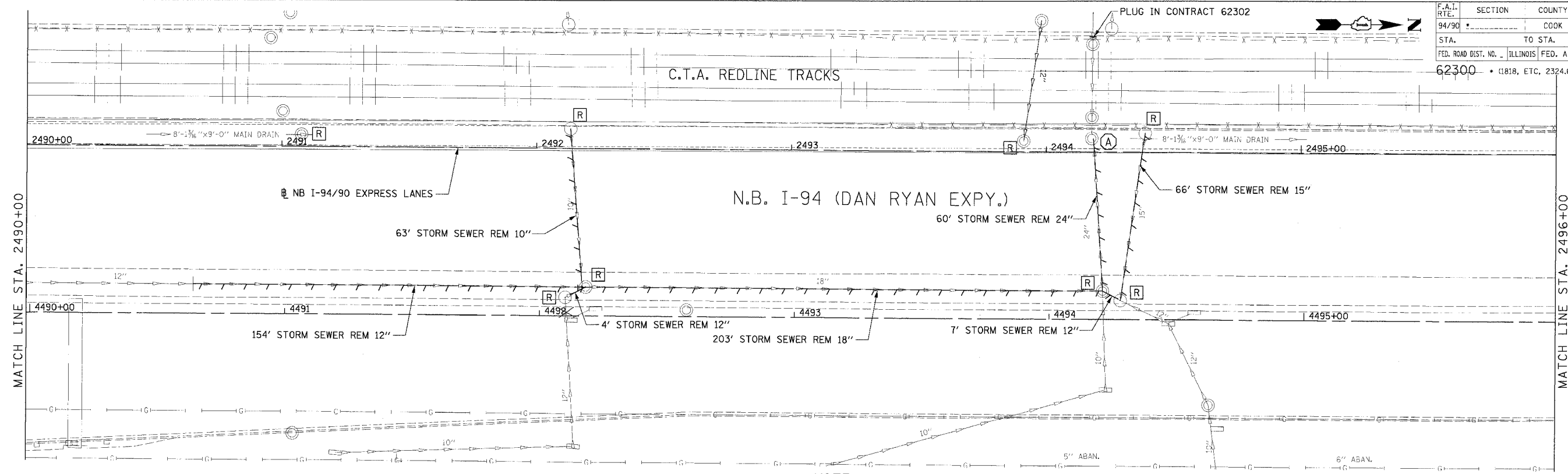
**Edwards
AND Kelcey**
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONES: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2484+00 TO STA. 2490+00
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 DRAWN BY: LPN
 CHECKED BY: PJM

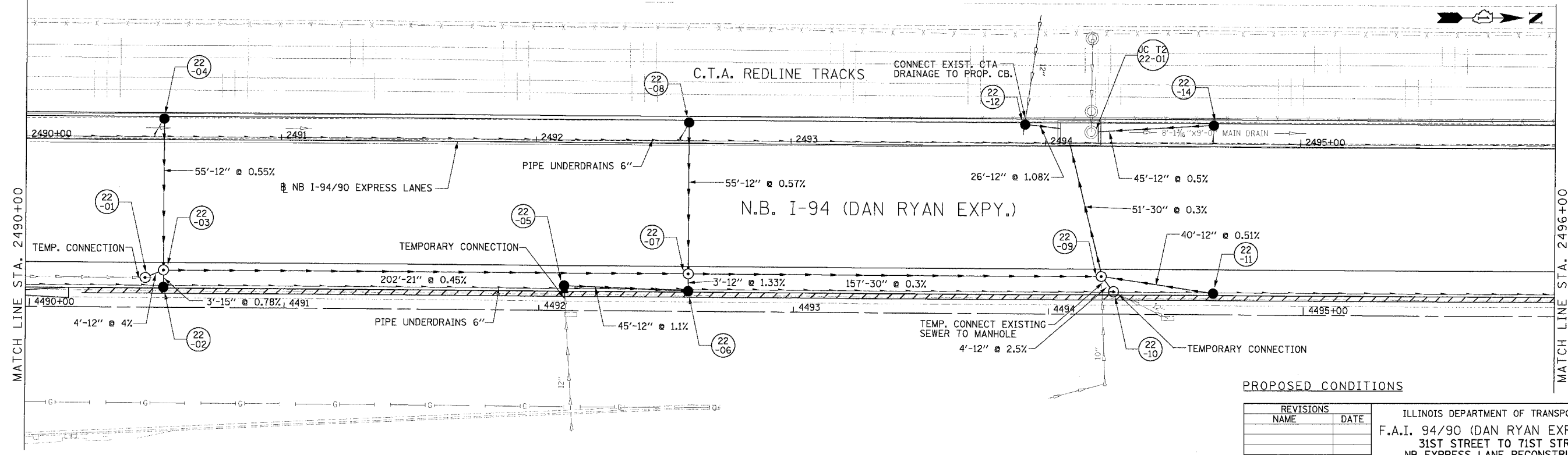
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F.A.I. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	178
STA.	TO STA.			
62300	ILLINOIS		FED. AID PROJECT	
FED. ROAD DIST. NO. 1818, ETC, 2324.6-1PIR-8				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

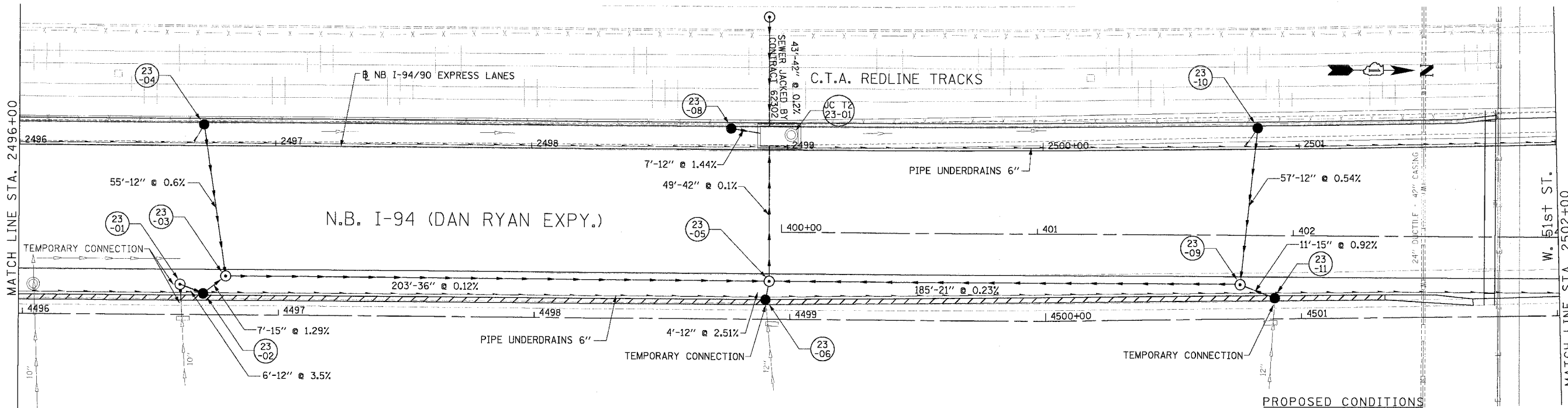
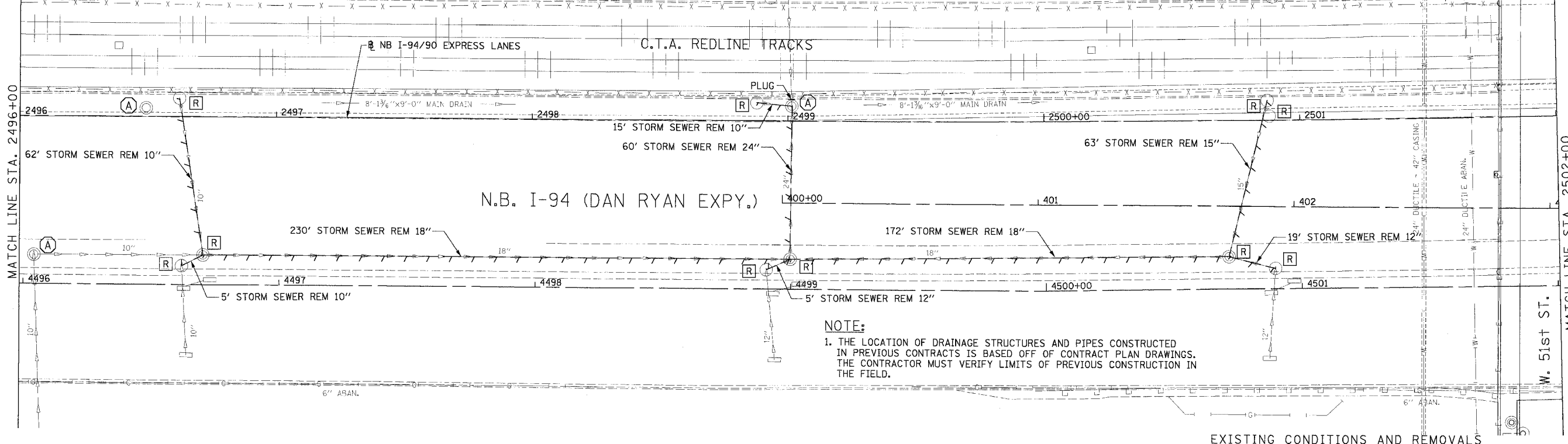
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2490+00 TO STA. 2496+00
 SCALE: 0' 10' 20' 30' 40'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

06/27/2005 04:04:03 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	179
STA.	TO STA.		FED. AID PROJECT	
62300	(1818, ETC, 2324.6-1PR-8			



PROPOSED CONDITIONS

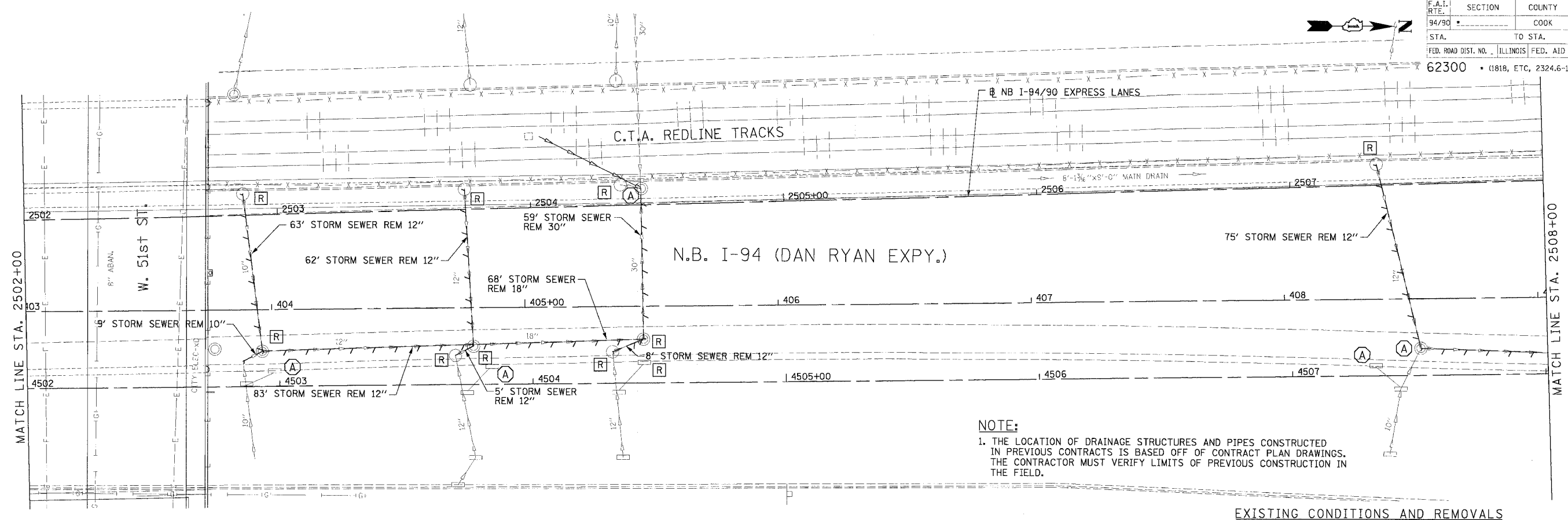
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2496+00 TO STA. 2502+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

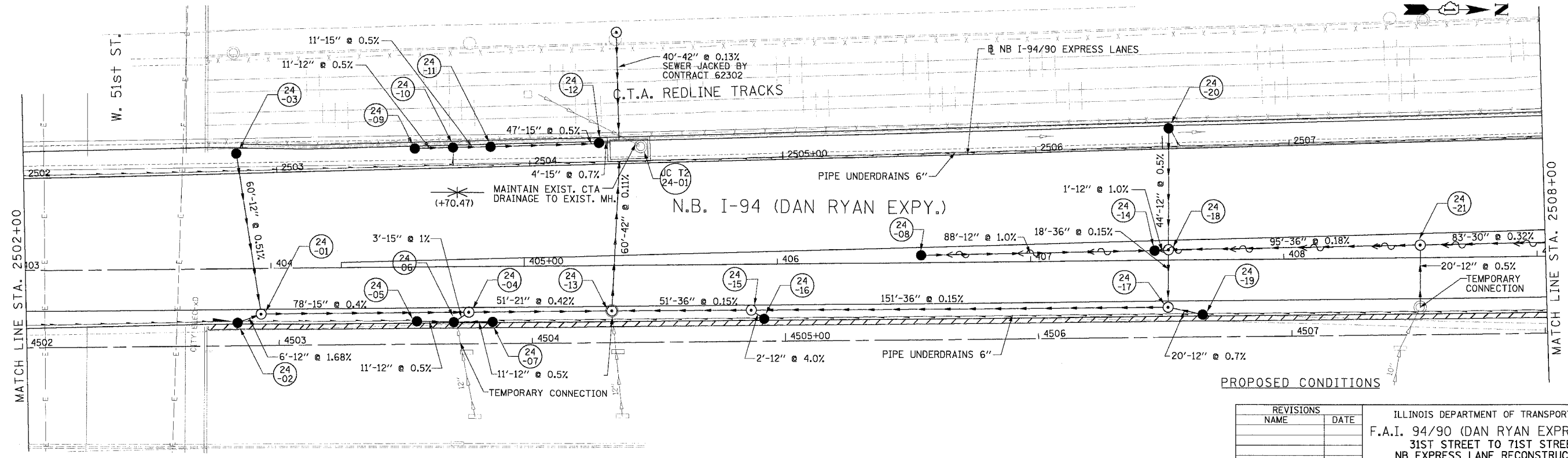
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	180
STA.	TO STA.			
62300	(1818, ETC, 2324.6-1)PR-8			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

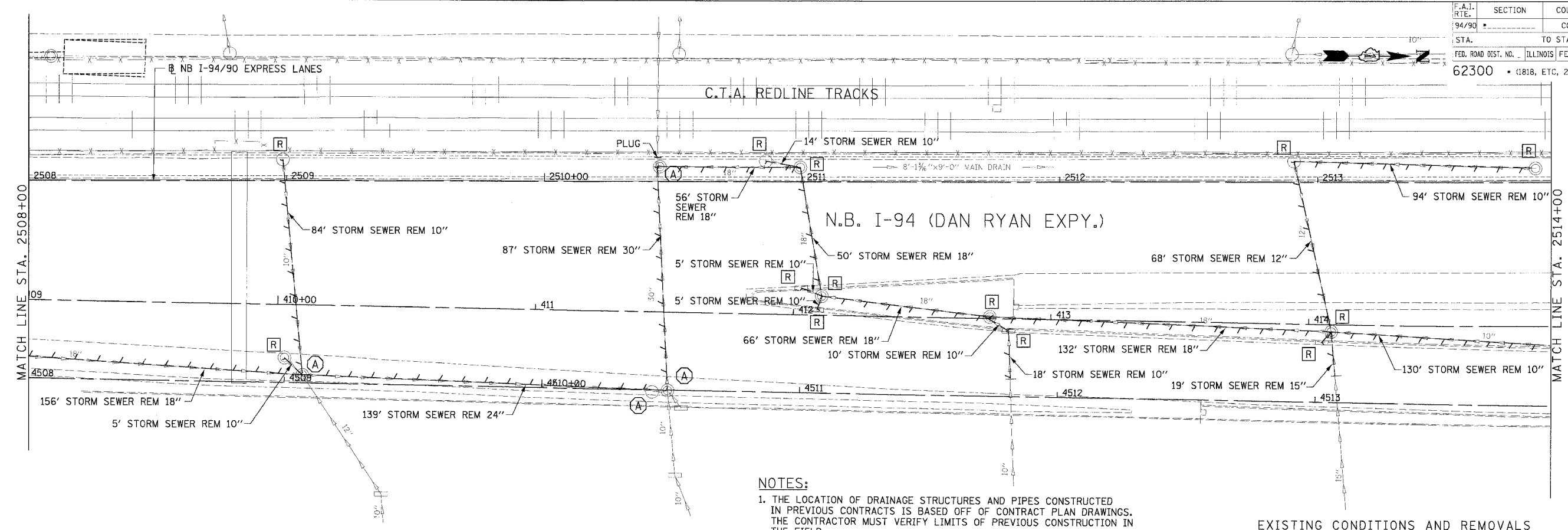
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2502+00 TO STA. 2508+00
 SCALE: 0' 10' 20' 30' 40' 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

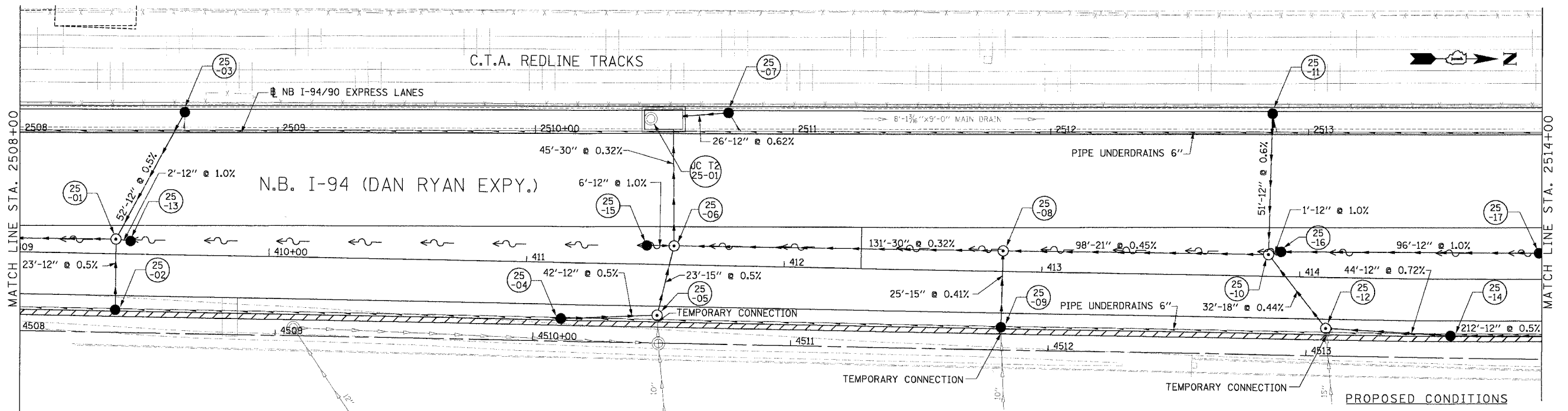
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

DU-24
 06/24/2005 04:05:08 PM

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
94/90		COOK	556 181
STA.	TO STA.		
62300	ILLINOIS FED. AID PROJECT		
181B, ETC, 2324.6-1PR-8			



NOTES:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.



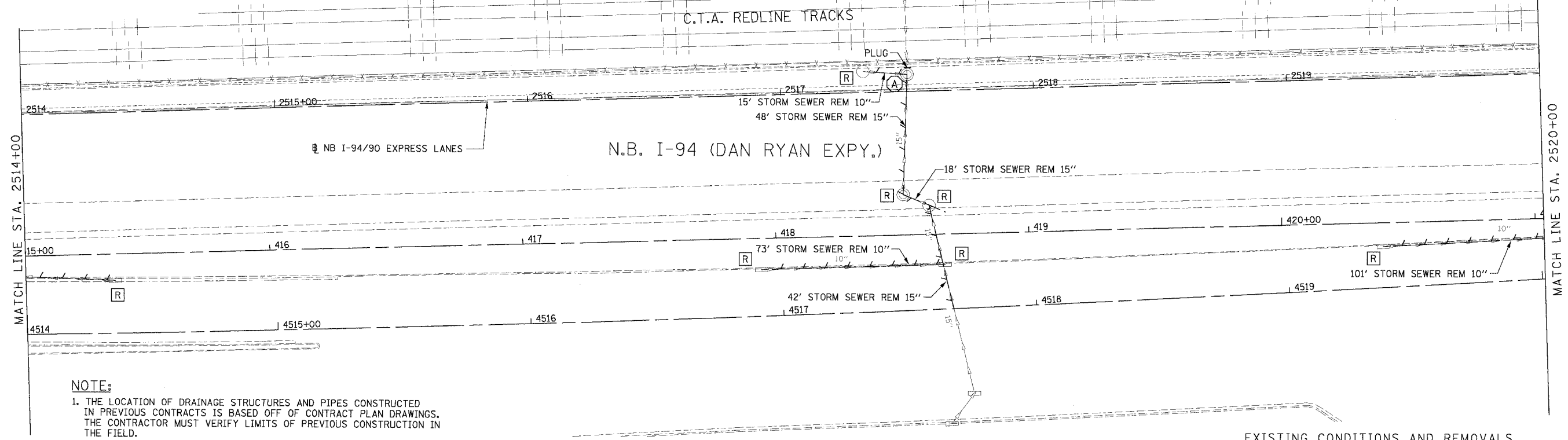
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2508+00 TO STA. 2514+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

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

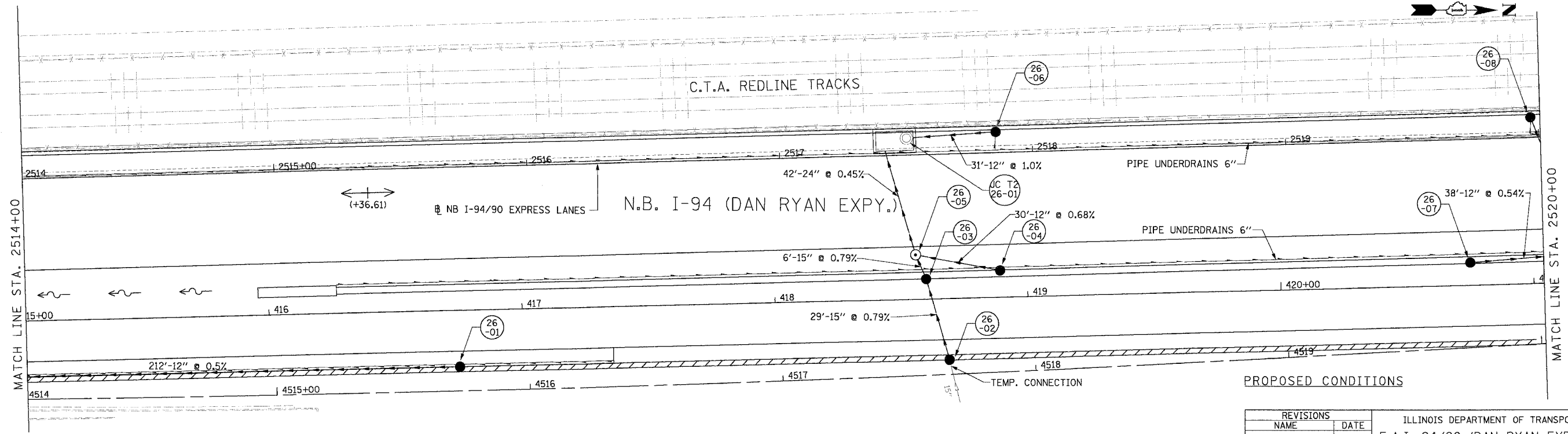
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	182
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	181B, ETC. 2324.6-1PR-8			



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

DU-26

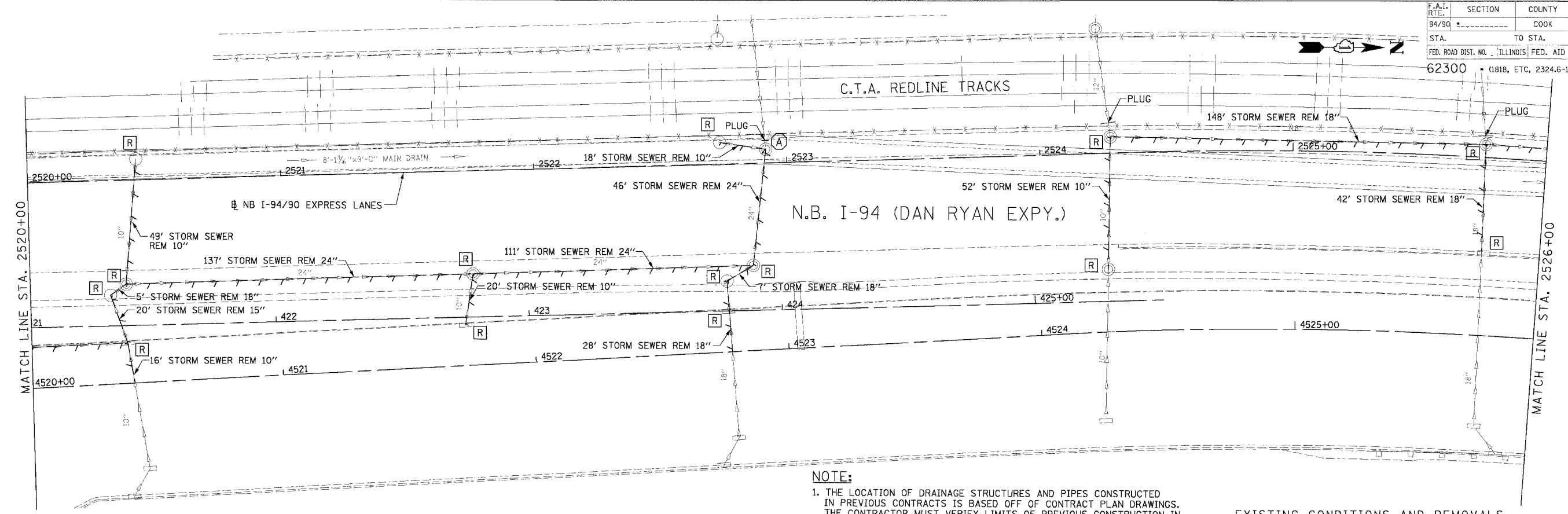
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EDWARDSKELCEY.COM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2514+00 TO STA. 2520+00
 SCALE: 1"=20'
 DATE: 7/1/05
 DRAWN BY: LPN
 CHECKED BY: PJM

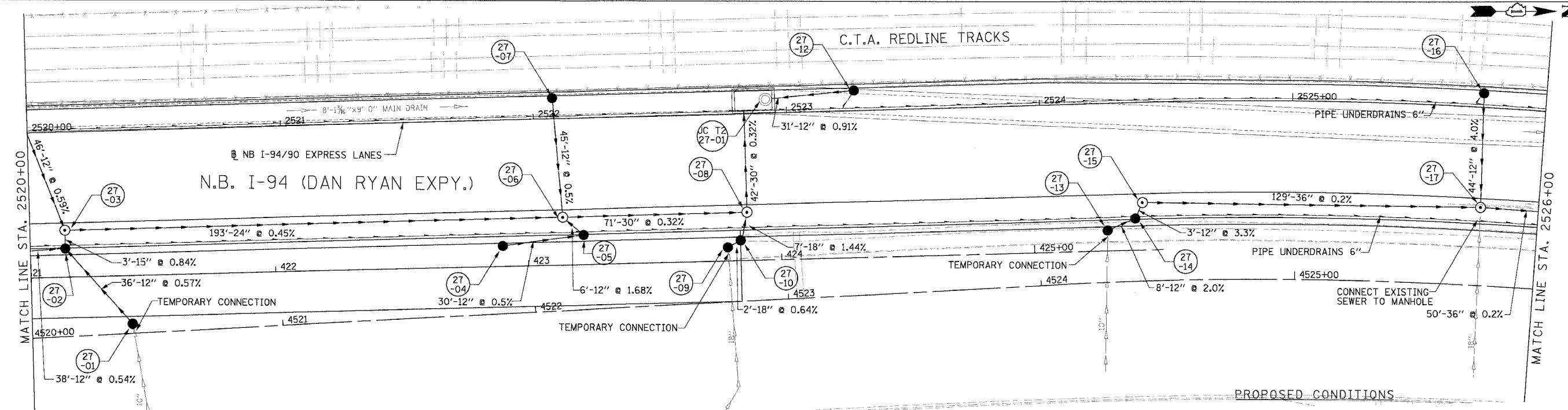
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F.A.I. RT#:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	183
STA.	TO STA.			
62300	01818, ETC, 2324.6-1PR-8			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

DU-27

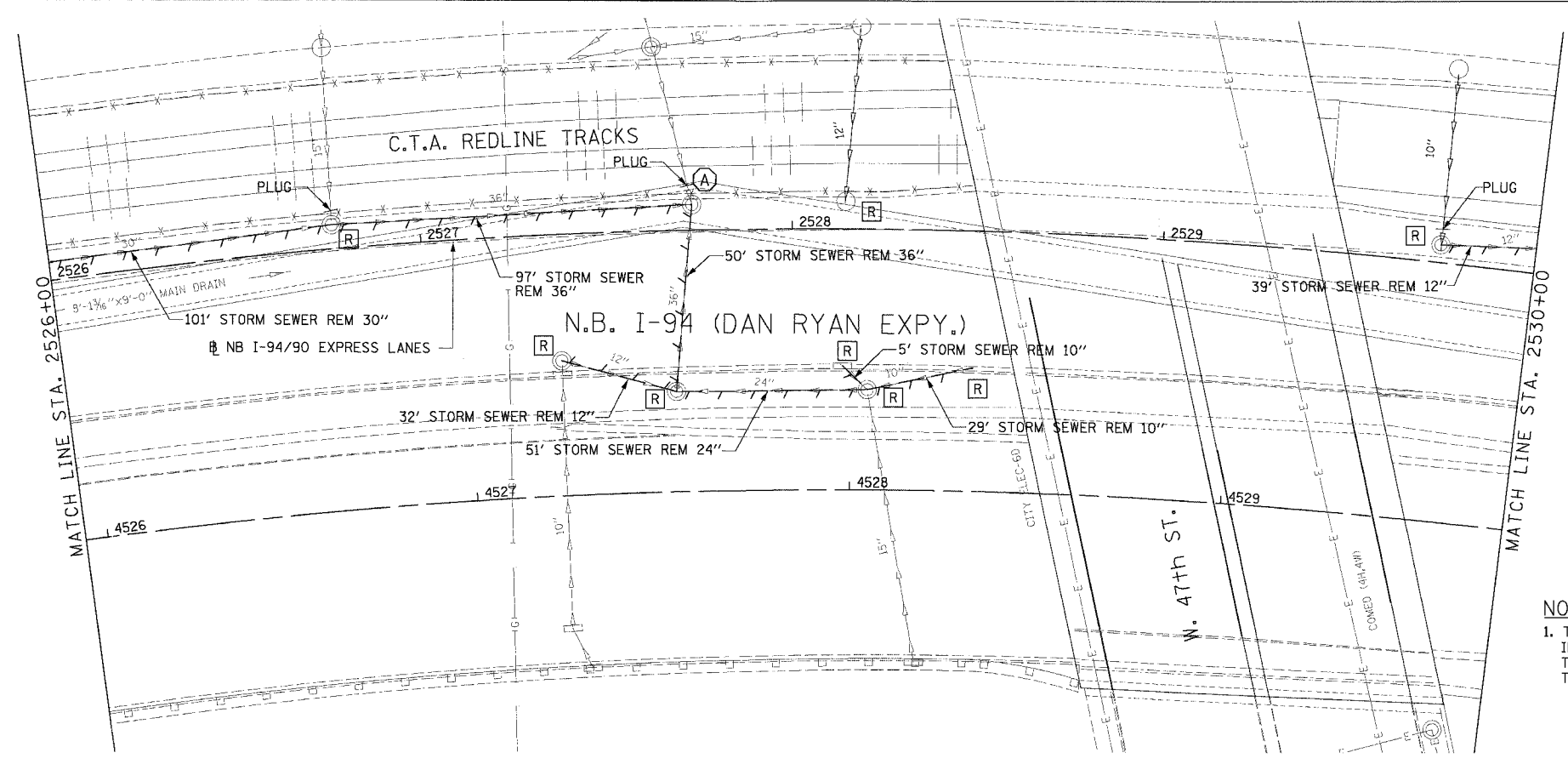
Edwards and Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2520+00 TO STA. 2526+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

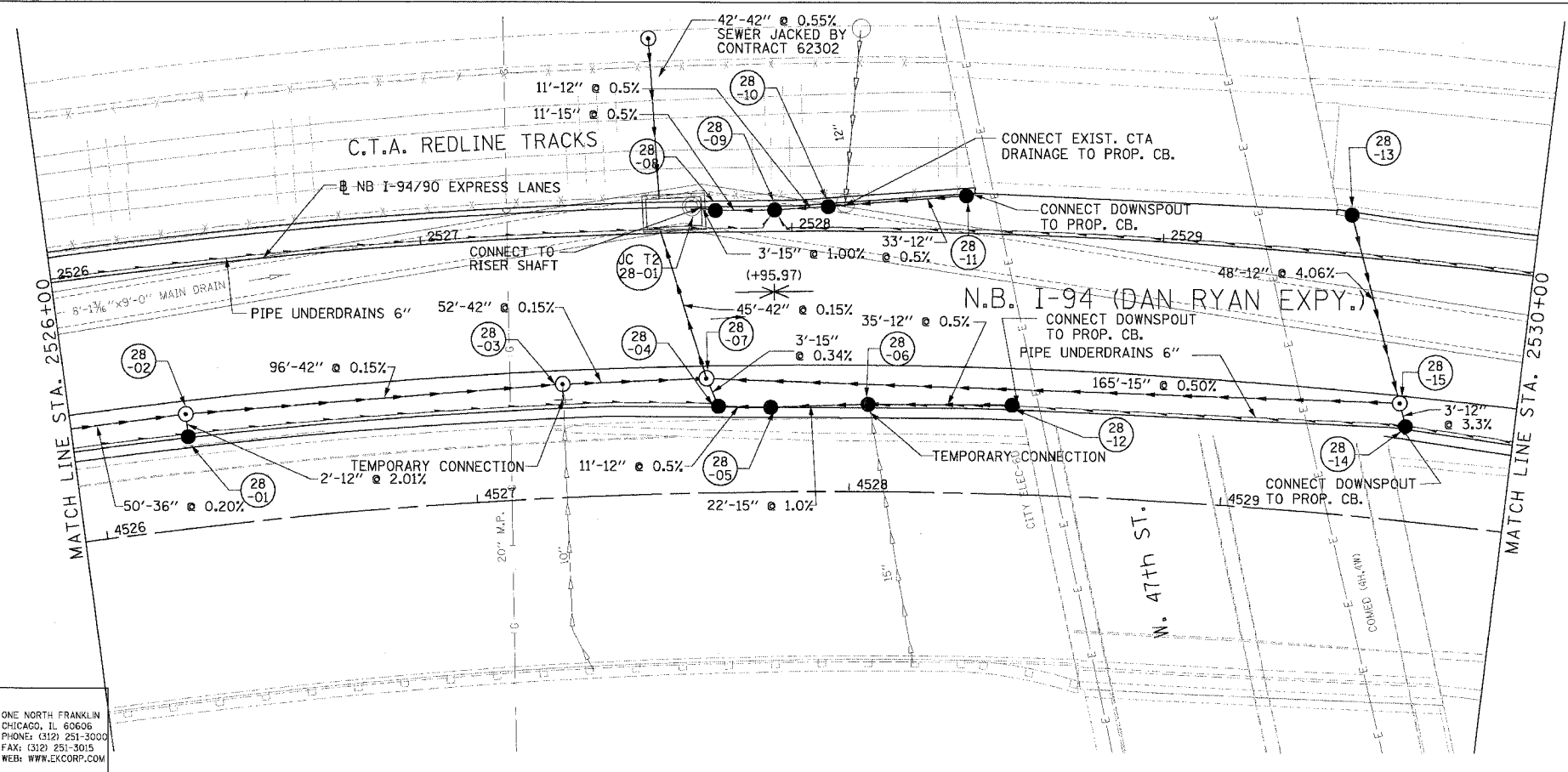
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	184
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
62300 • (1818, ETC, 2324.6-1P1R-8				



NOTE:
 1. THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED IN PREVIOUS CONTRACTS IS BASED OFF OF CONTRACT PLAN DRAWINGS. THE CONTRACTOR MUST VERIFY LIMITS OF PREVIOUS CONSTRUCTION IN THE FIELD.

EXISTING CONDITIONS AND REMOVALS



PROPOSED CONDITIONS

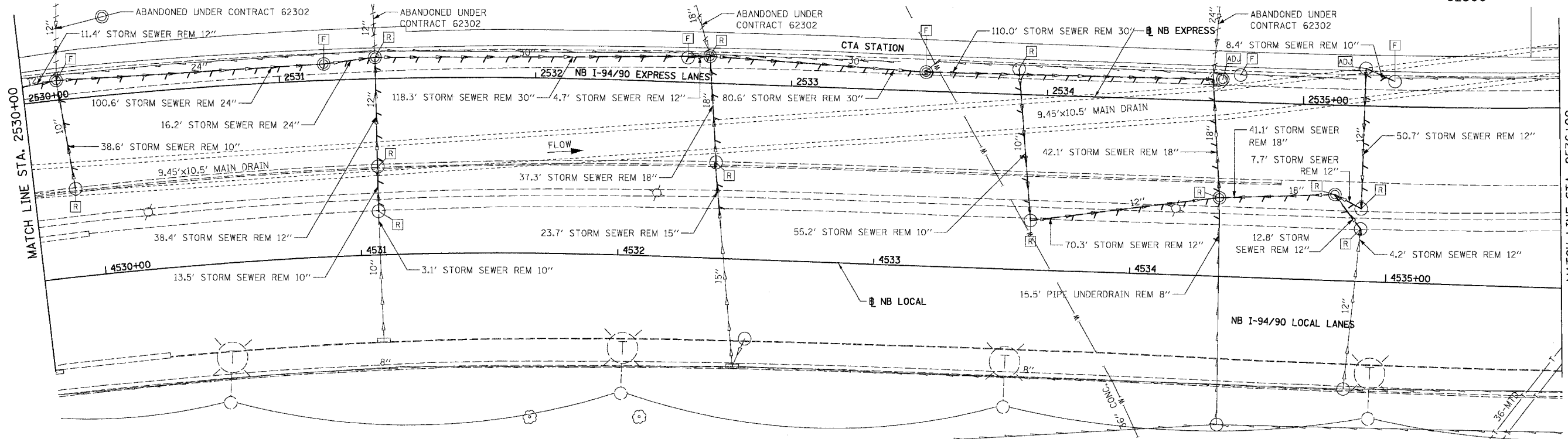
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2526+00 TO STA. 2530+00
 SCALE: 1"=20'
 DATE: 7/7/05
 DRAWN BY: LPN
 CHECKED BY: PJM

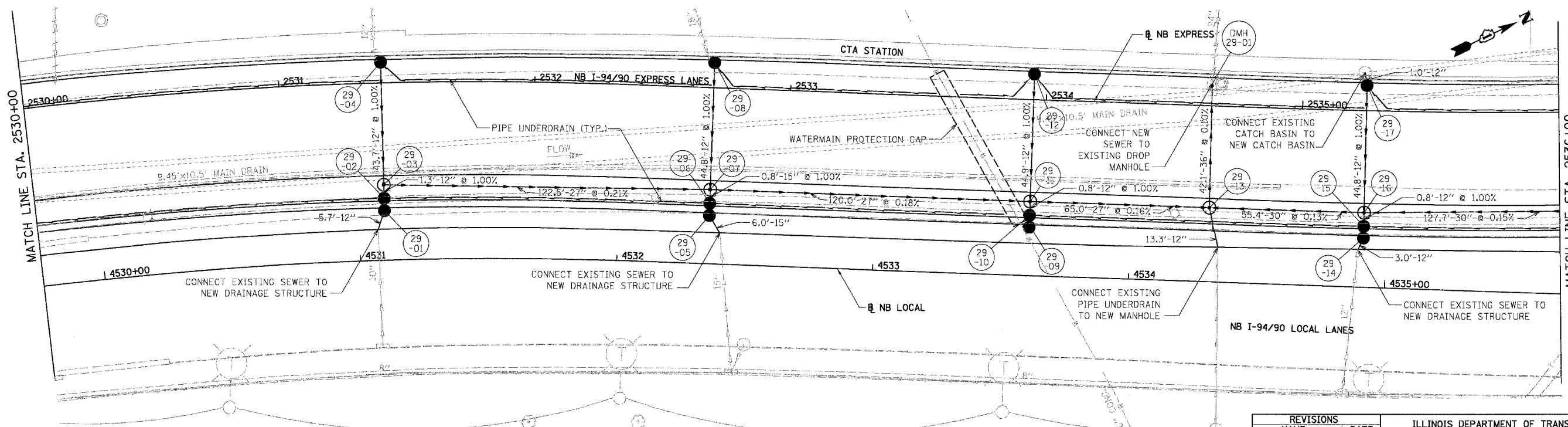
Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EDKCORP.COM

P:\03009\0303\Con 148\5\CAD\Draw\402828.dwg

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	185
STA.	TO STA.			
62300	1818, ETC, 2324.6-1PIR-8			

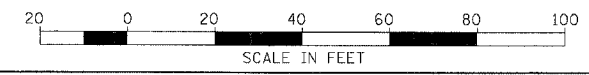


EXISTING CONDITIONS & REMOVALS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2530+00 TO STA. 2536+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

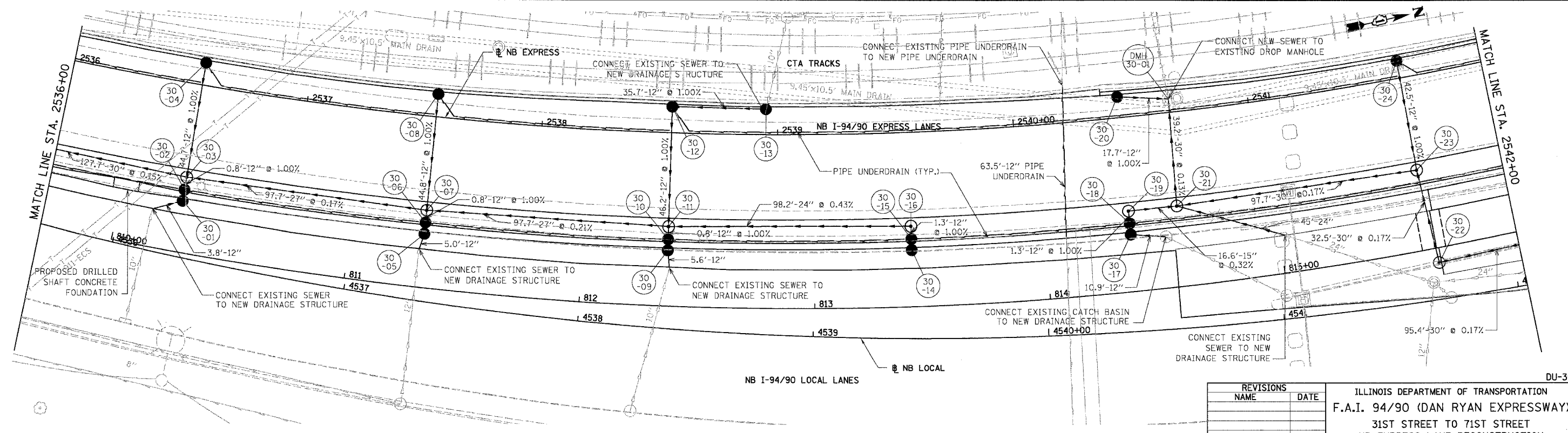
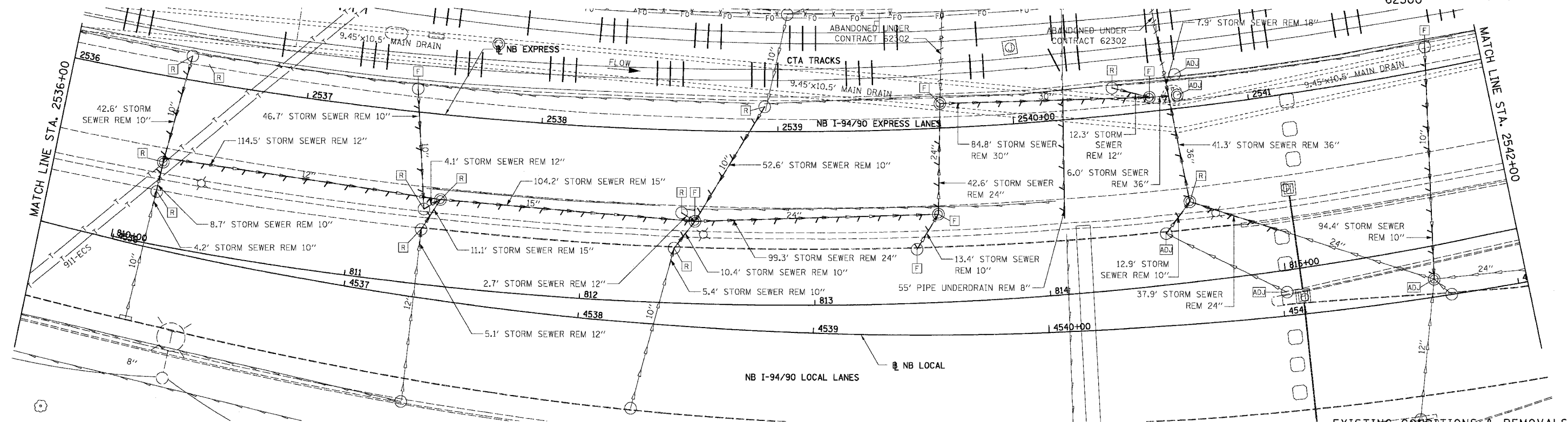


PROPOSED CONDITIONS

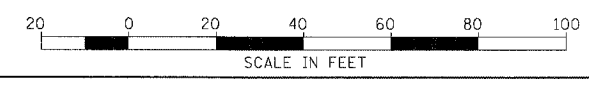
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 312.228.0100
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DU-29
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	186
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		1818, ETC. 2324.6-1PR-B		



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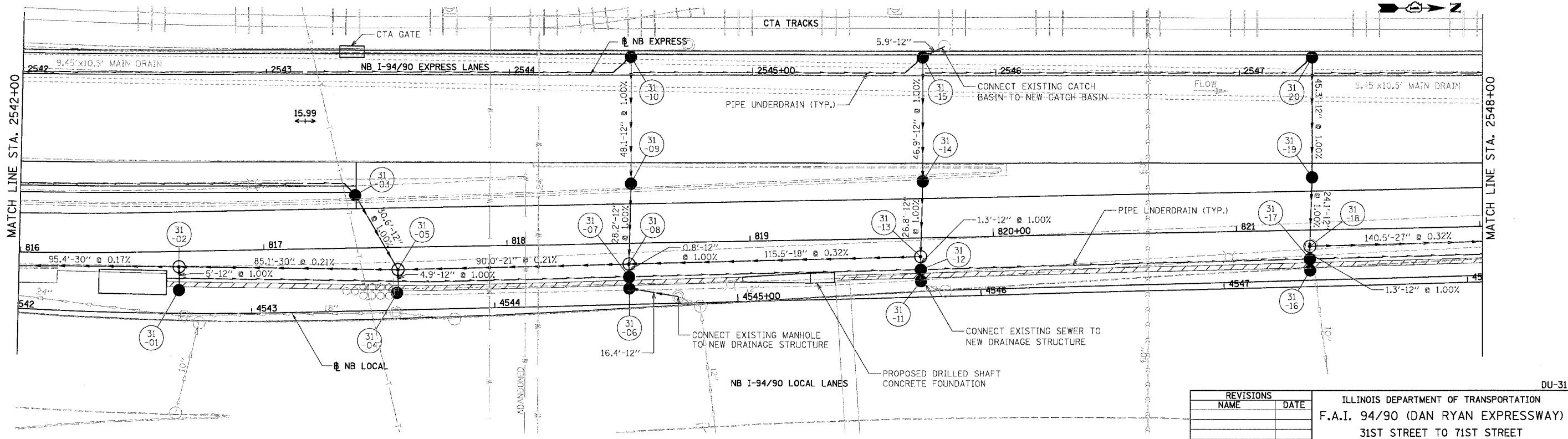
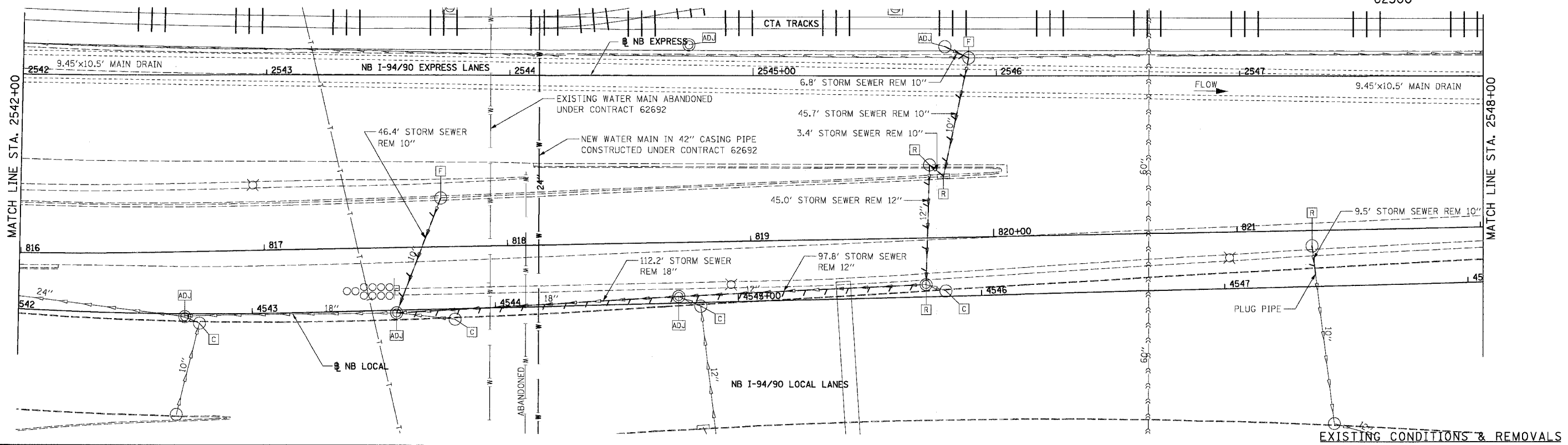


REVISIONS	
NAME	DATE

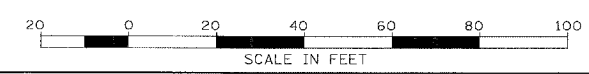
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2536+00 TO STA. 2542+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

12/16/00 PM
 06/28/2005
 DU-30

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	187
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300	* (1818, ETC, 2324.6-1PR-8			



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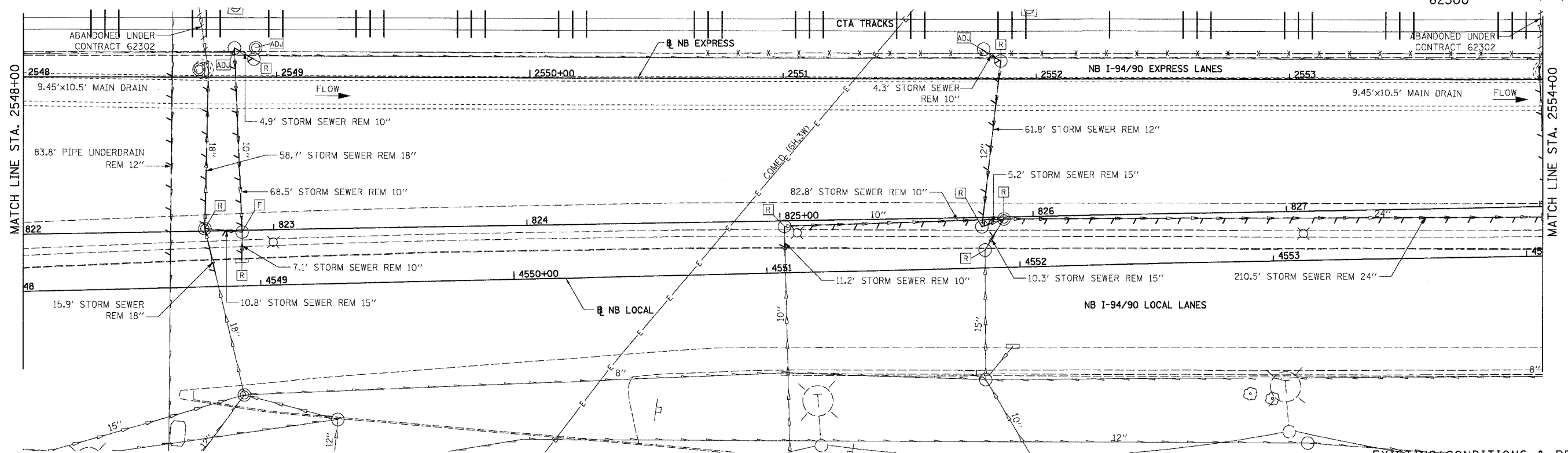


REVISIONS	
NAME	DATE

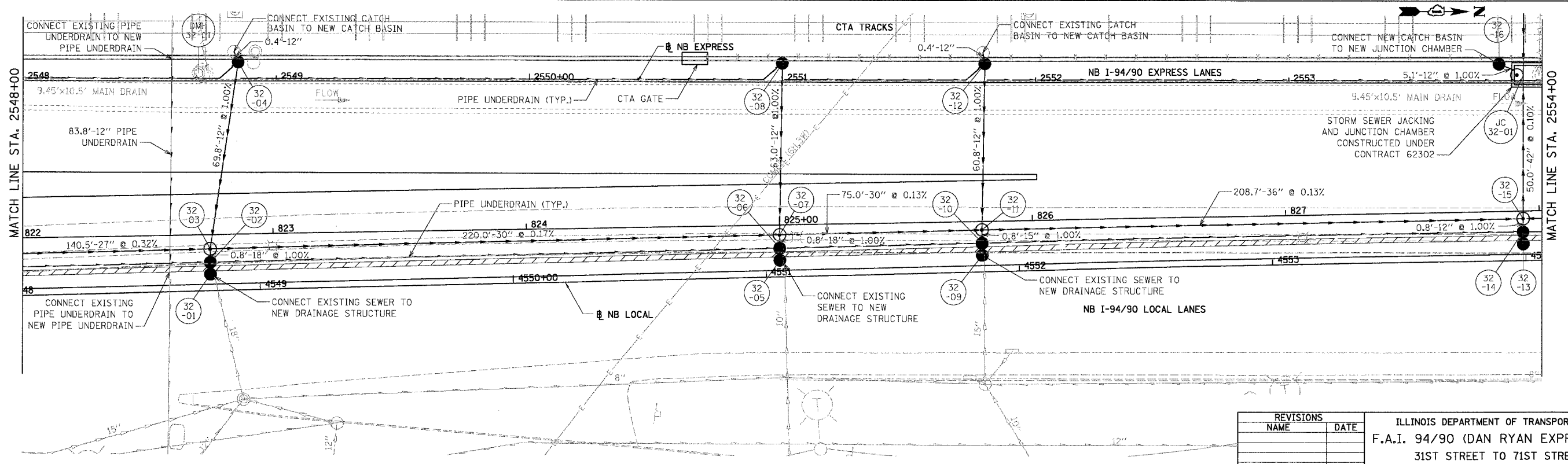
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2542+00 TO STA. 2548+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

12/16/01 PM 08/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	188
STA.	TO STA.			
62300	ILLINOIS		FED. AID PROJECT	
	0818, ETC, 2324.6-1PJR-8			



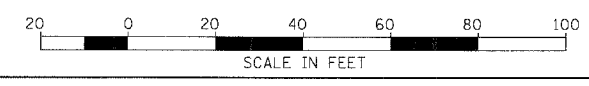
EXISTING CONDITIONS & REMOVALS



DU-32

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2548+00 TO STA. 2554+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

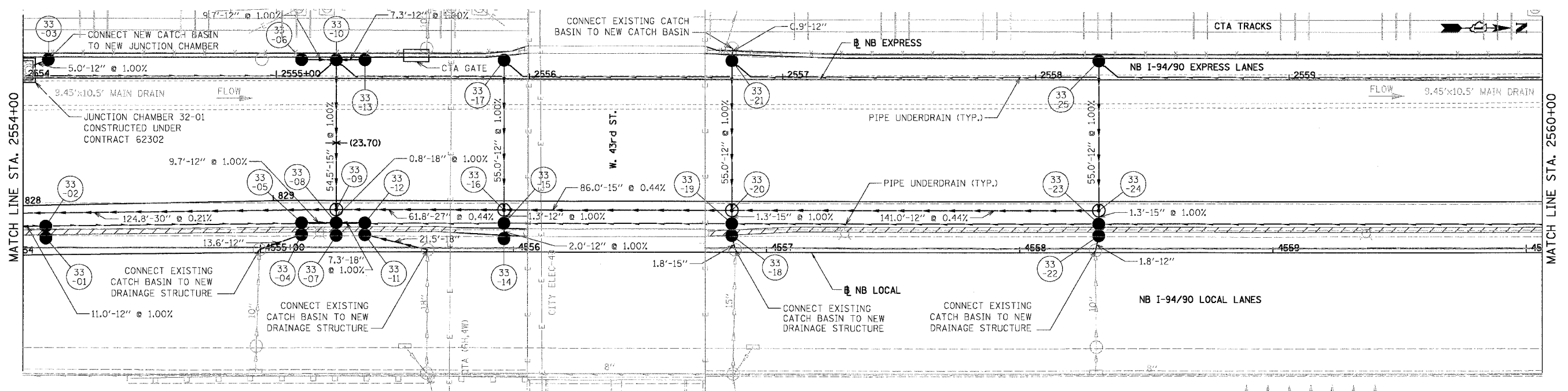
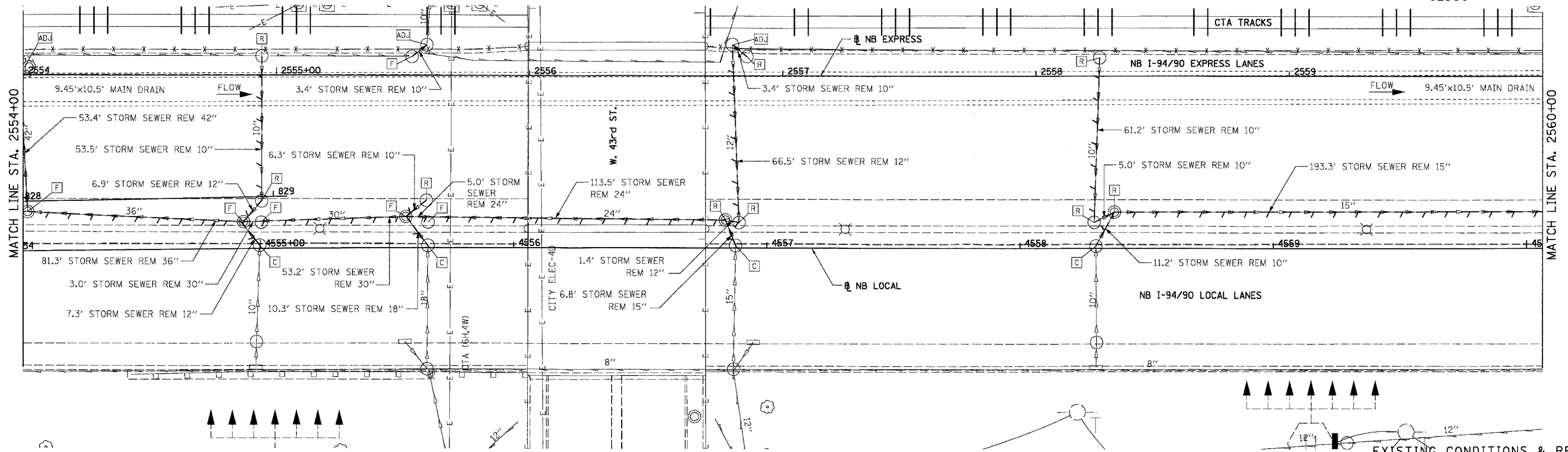


PROPOSED CONDITIONS

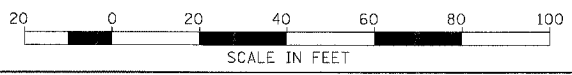
BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
 www.bbainc.com

06/28/2005 12:46:01 PM
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	189
STA.	TO STA.			
62300				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		11818, ETC, 2324.6-1P1R-8		



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CONSULTING ENGINEERS
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SCALE IN FEET

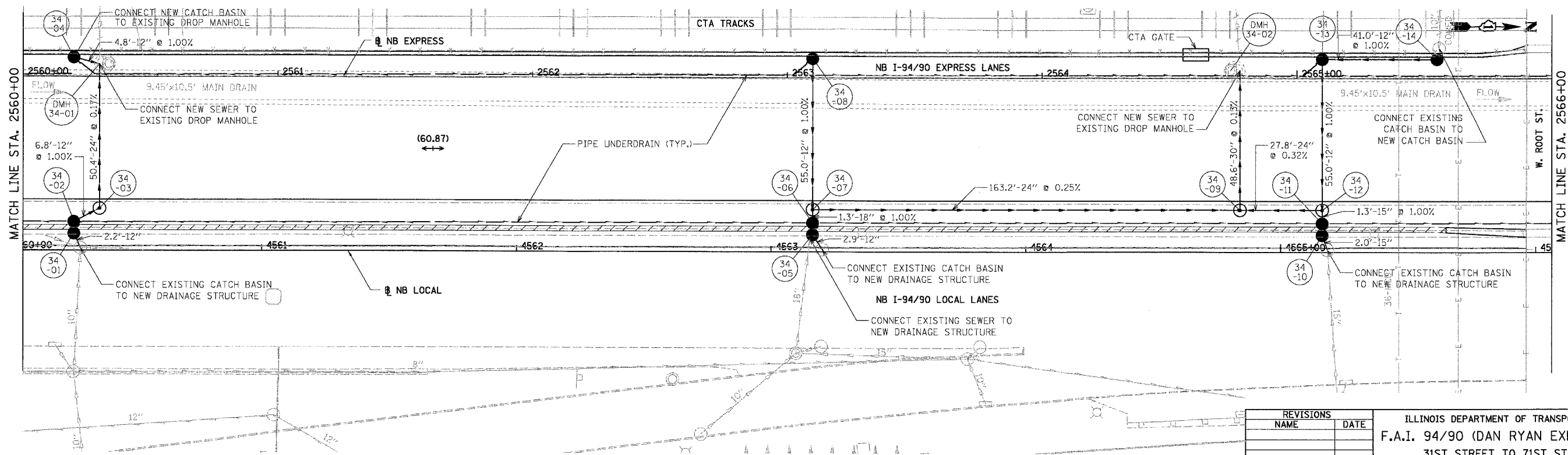
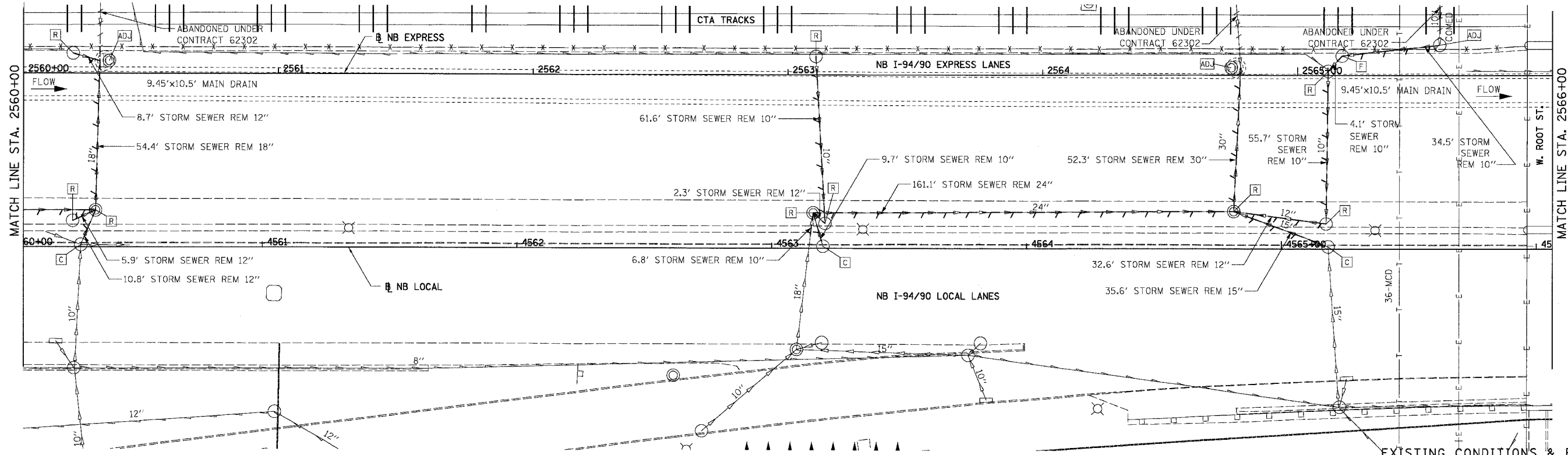
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE AND UTILITIES PLAN
NORTHBOUND STA. 2554+00 TO STA. 2560+00
SCALE: 1"=20'
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

DU-33

12/16/02 PM
06/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	190
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		11818, ETC, 2324.6-1P/R-8		



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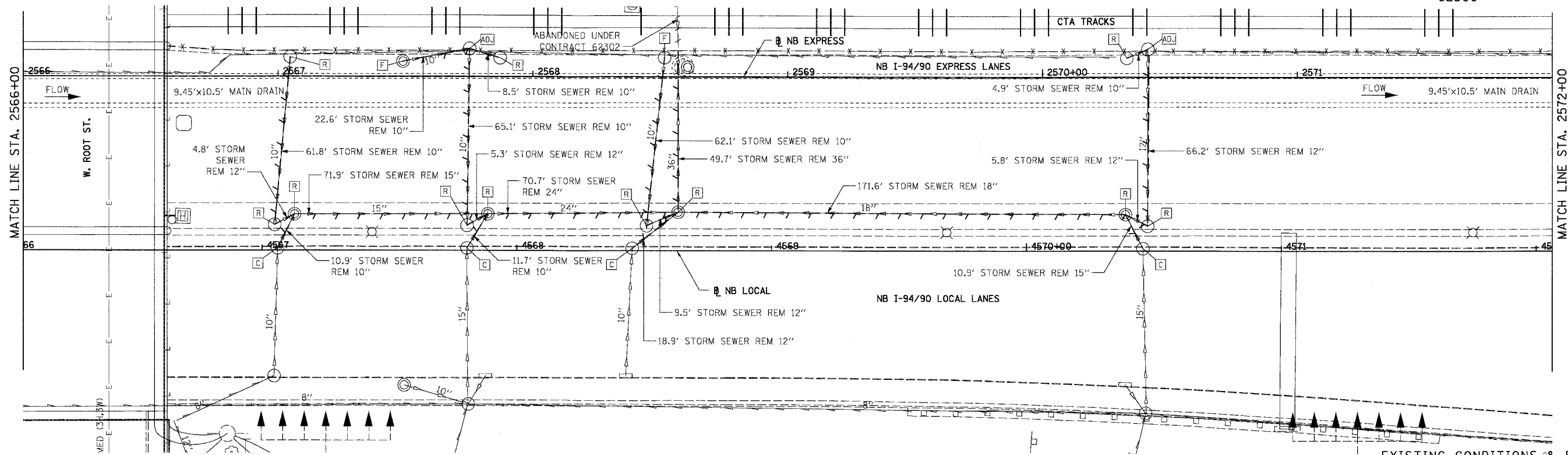


REVISIONS	
NAME	DATE

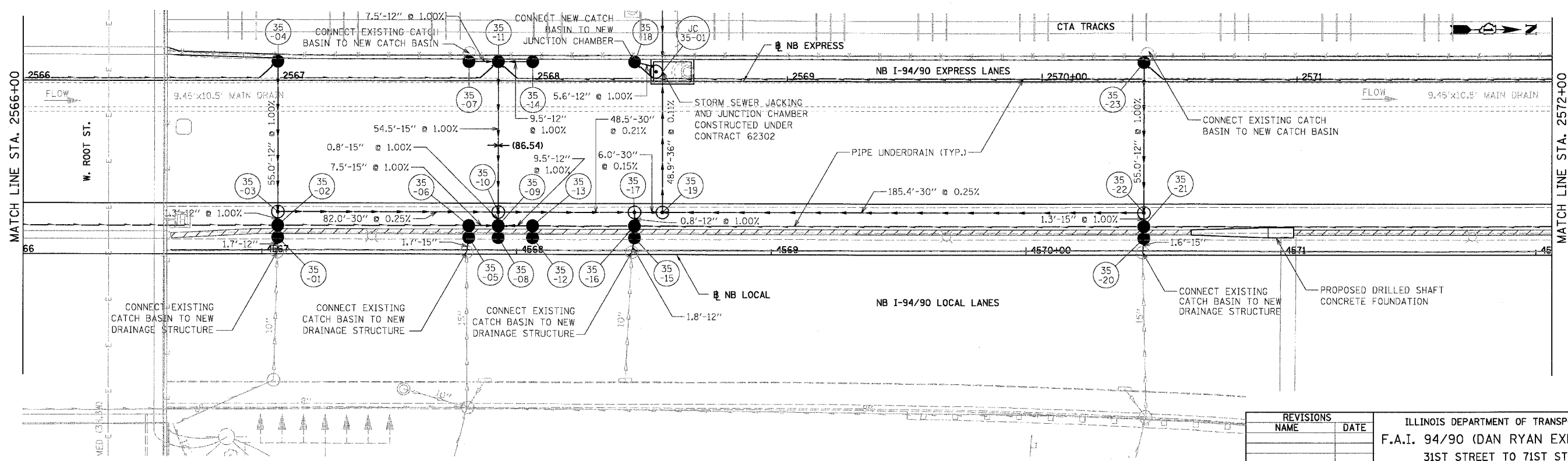
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE AND UTILITIES PLAN
NORTHBOUND STA. 2560+00 TO STA. 2566+00
SCALE: 1"=20'
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

DU-34
12/16/02 PM
06/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	191
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		* 01818, ETC, 2324.6-1PIR-8		



EXISTING CONDITIONS & REMOVALS



PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

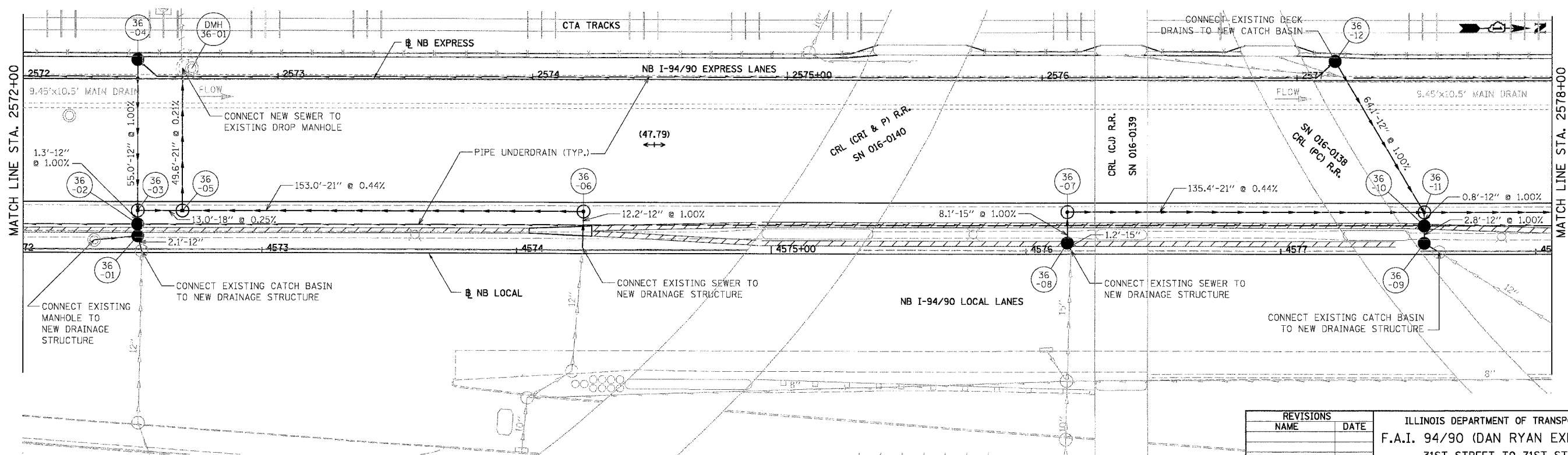
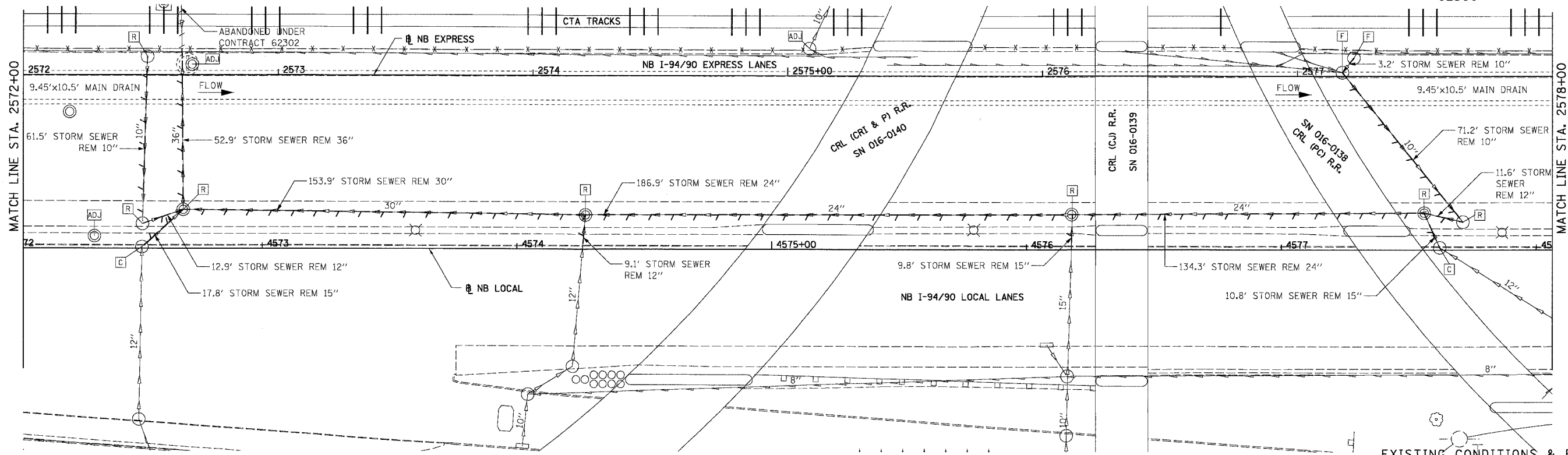
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2566+00 TO STA. 2572+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM



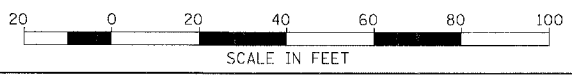
BOWMAN, BARRETT & ASSOCIATES INC
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 Chicago, Illinois
 312.228.0100
 www.bbainc.com

DU-35
 12/6/03 PM
 06/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	192
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		1818, ETC, 2324.6-1P1R-8		



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CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

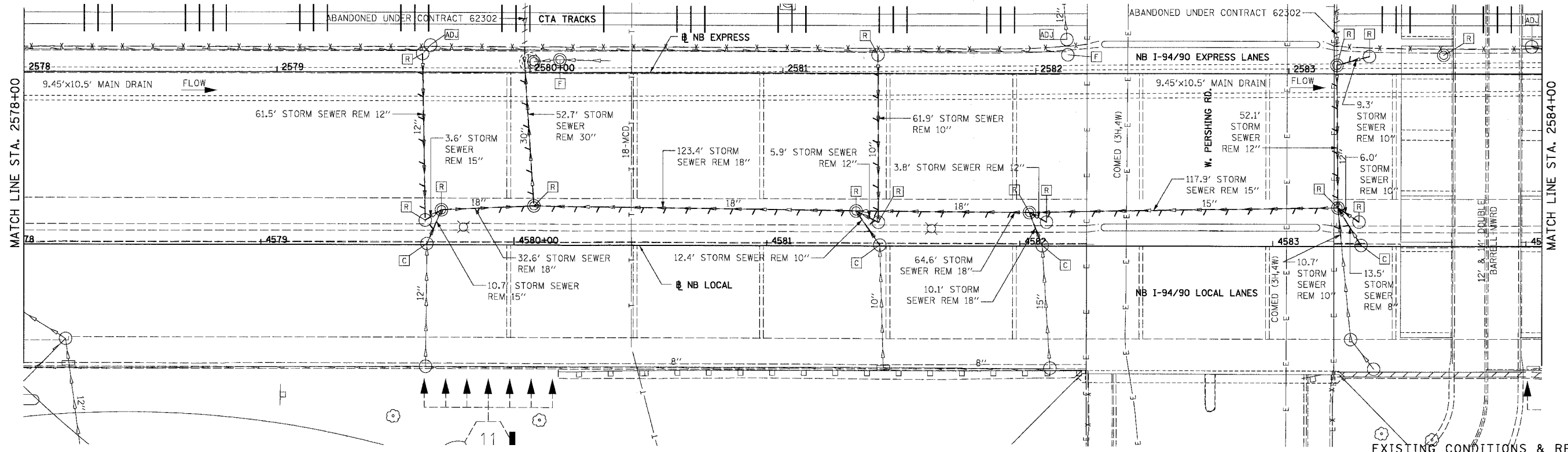


REVISIONS	
NAME	DATE

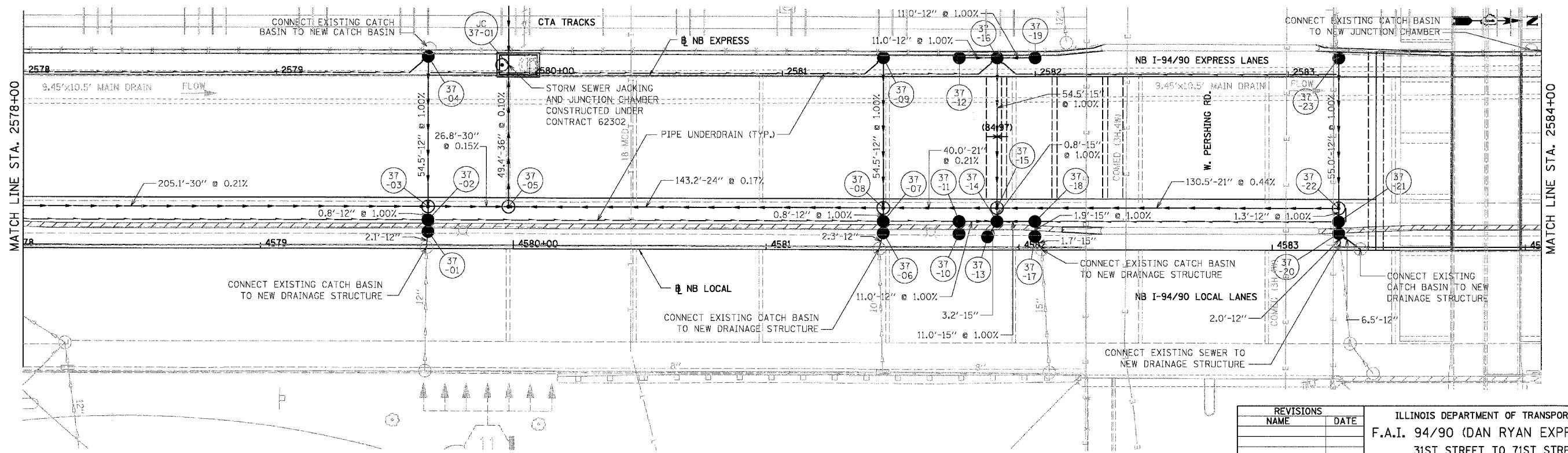
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE AND UTILITIES PLAN
NORTHBOUND STA. 2572+00 TO STA. 2578+00
SCALE: 1"=20'
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

DU-36
12/16/03 PM
06/28/2005

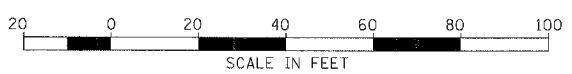
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	193
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62300		* 0818, ETC, 2324.6-1P1R-8		



EXISTING CONDITIONS & REMOVALS



PROPOSED CONDITIONS



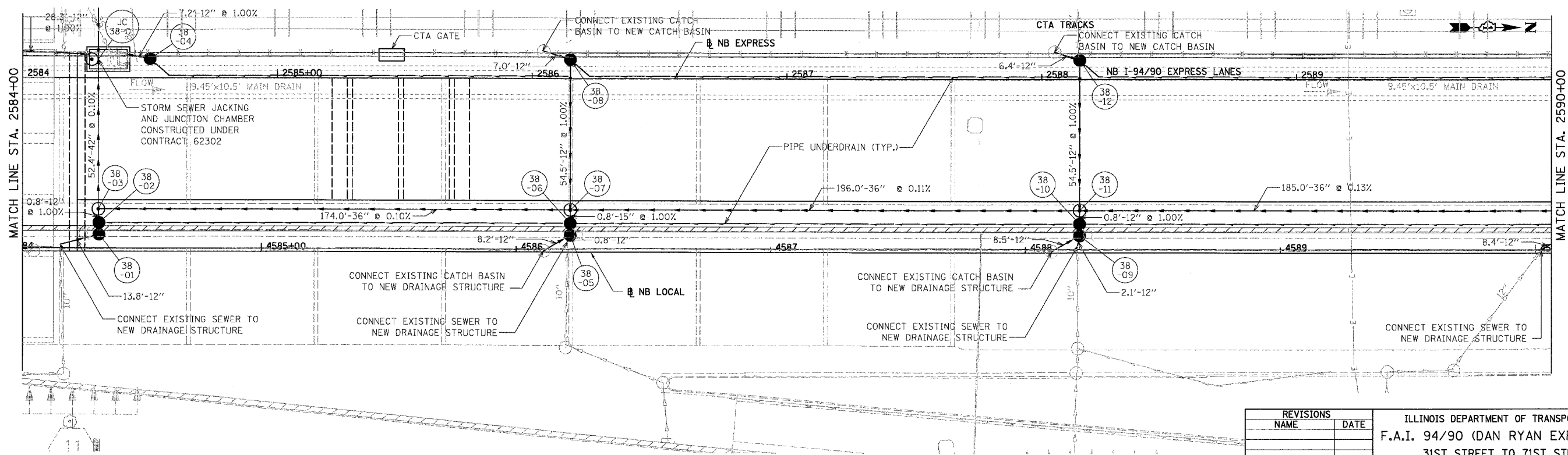
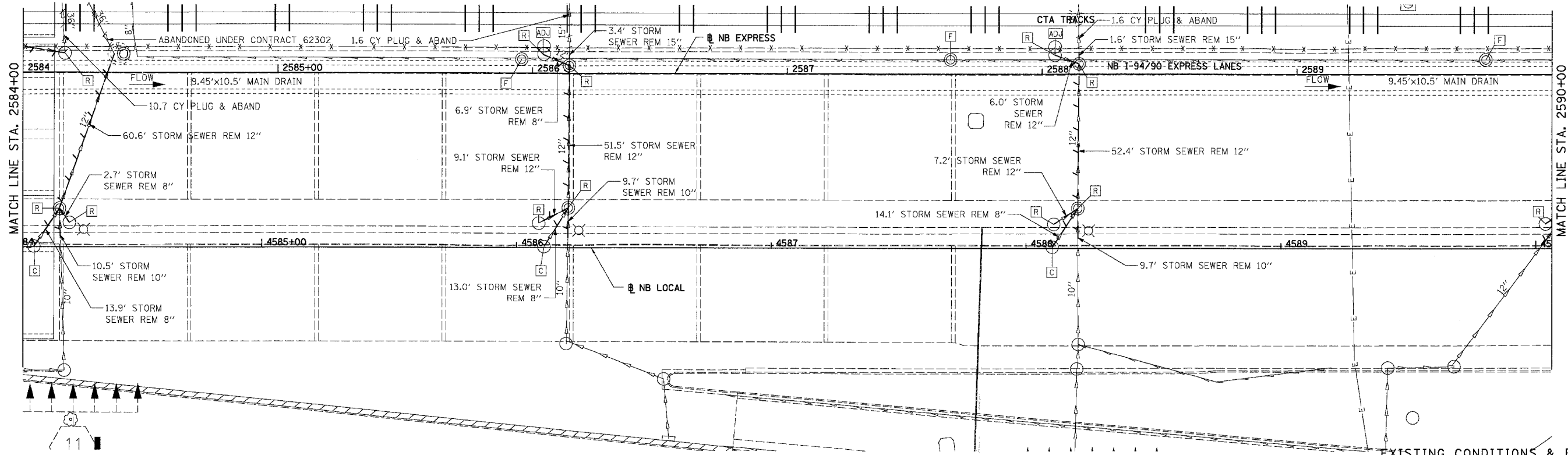
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2578+00 TO STA. 2584+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

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 CONSULTING ENGINEERS
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DU-37
 12/16/03 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	194
STA. 62300		TO STA. 62300		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		1818, ETC, 2324.6-1P1R-8		



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2584+00 TO STA. 2590+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

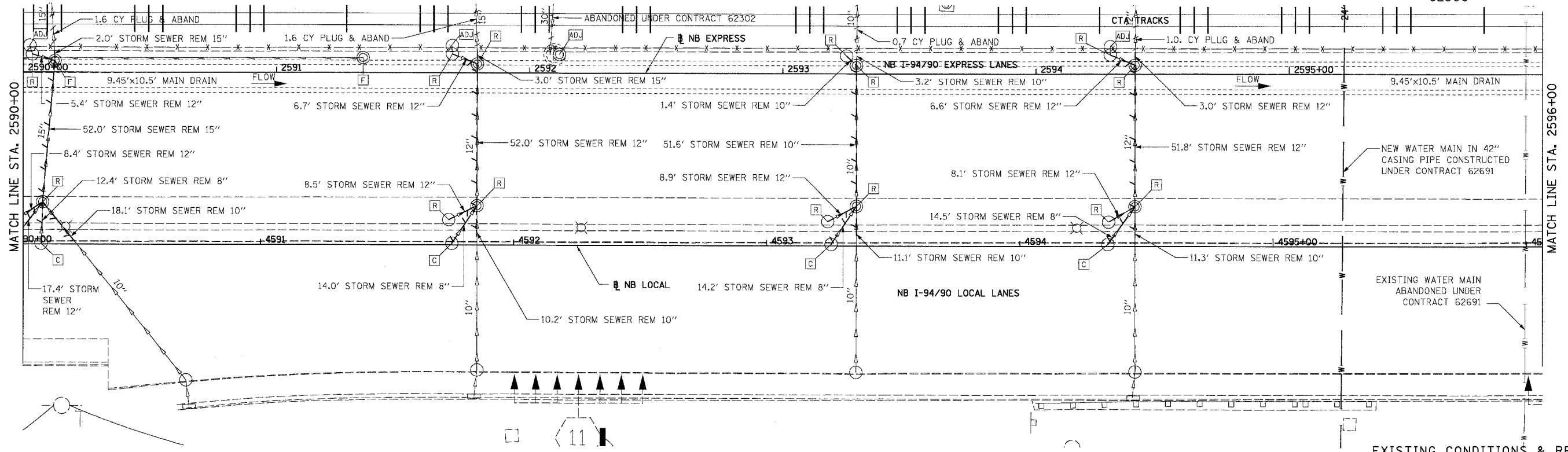


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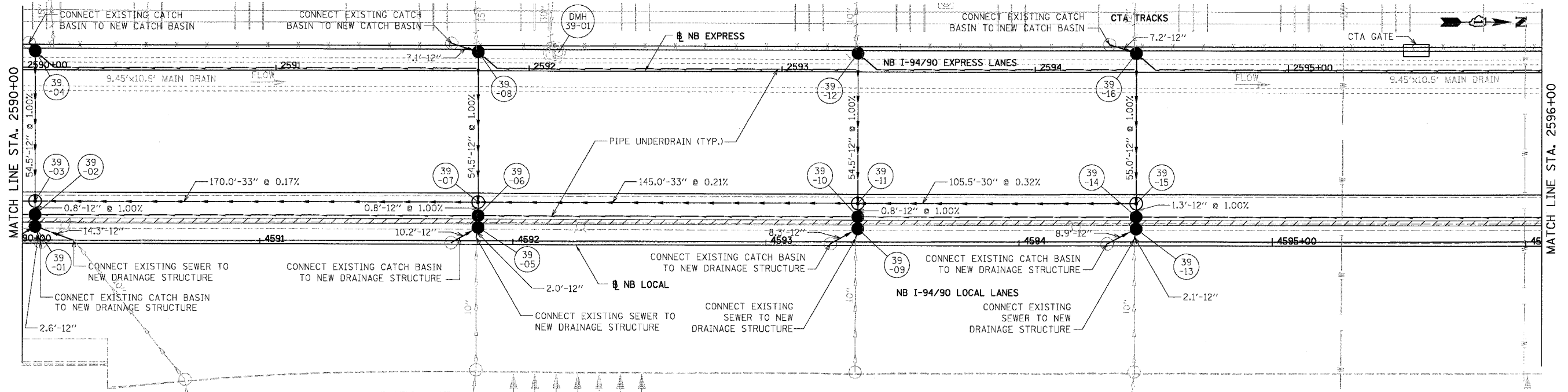
DU-38
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	195
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		* (1818, ETC, 2324.6-IPR-8		

62300

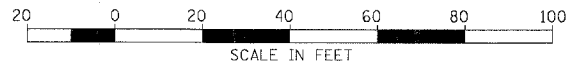


EXISTING CONDITIONS & REMOVALS



DU-39

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PROPOSED CONDITIONS

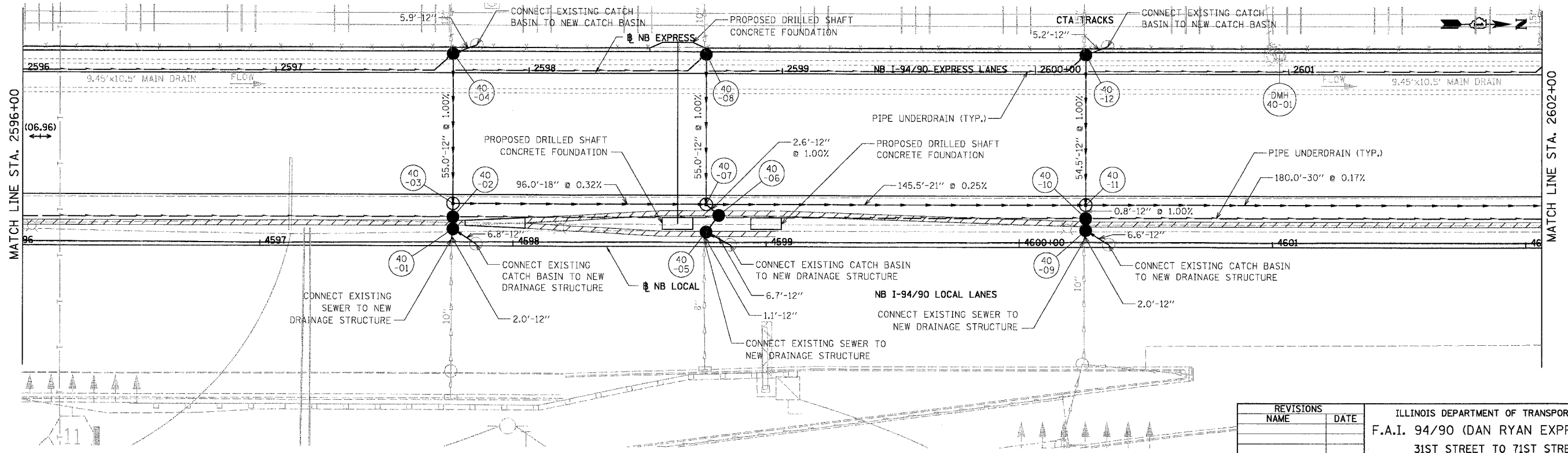
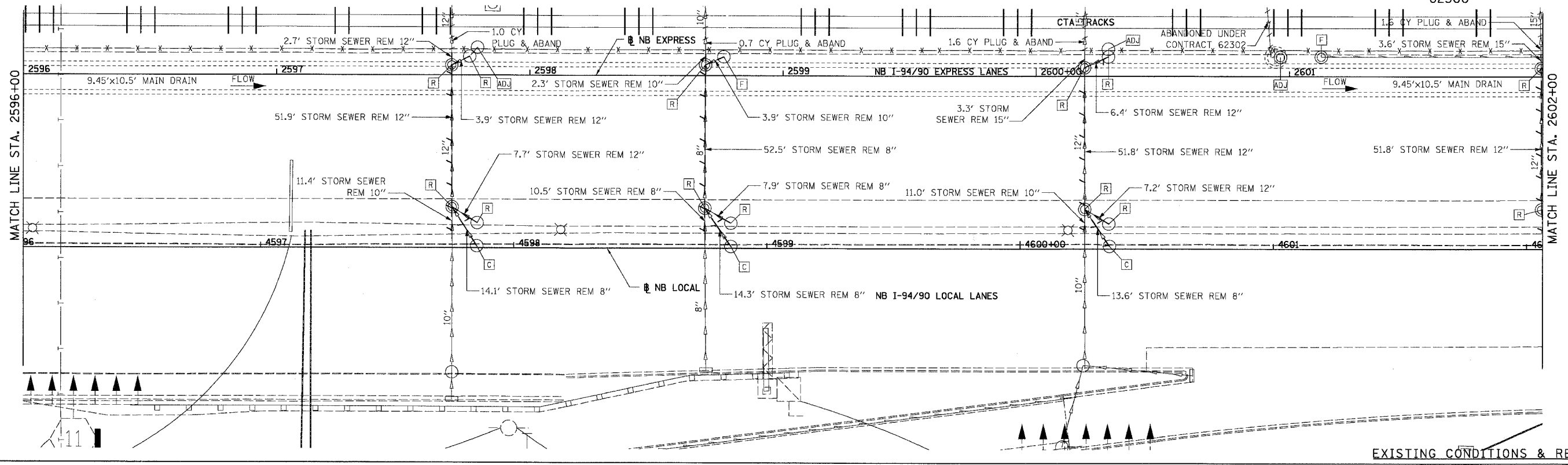
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE AND UTILITIES PLAN
NORTHBOUND STA. 2590+00 TO STA. 2596+00
SCALE: 1"=20'
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

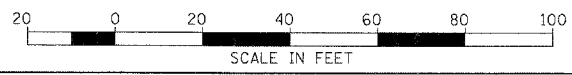
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	196
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		(1818, ETC, 2324.6-1PIR-8		

62300



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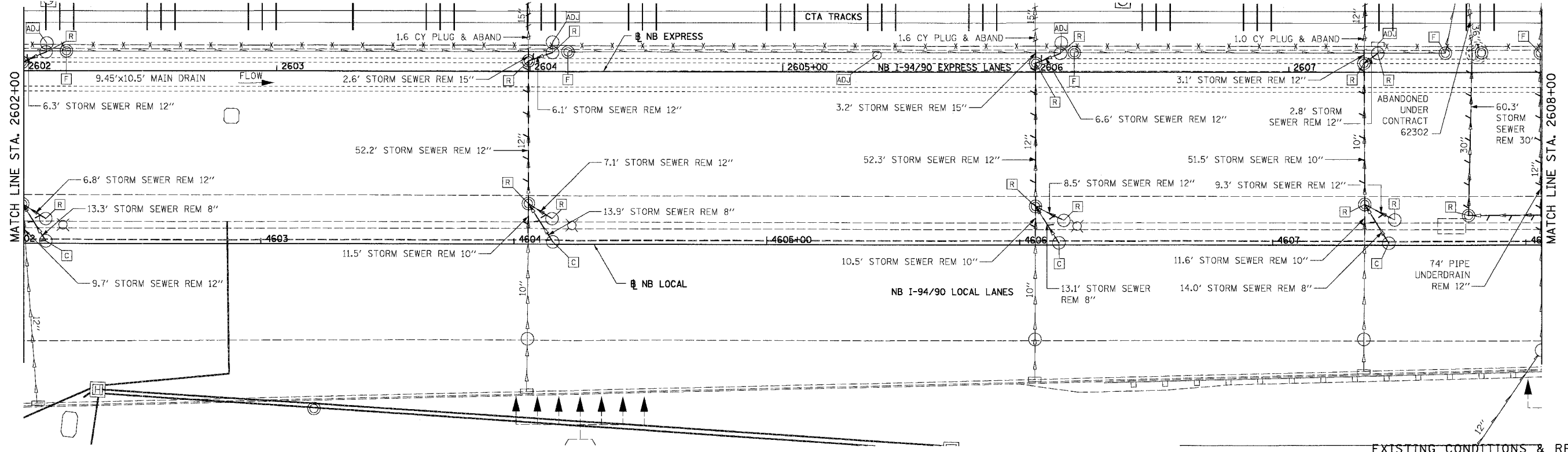


REVISIONS	
NAME	DATE

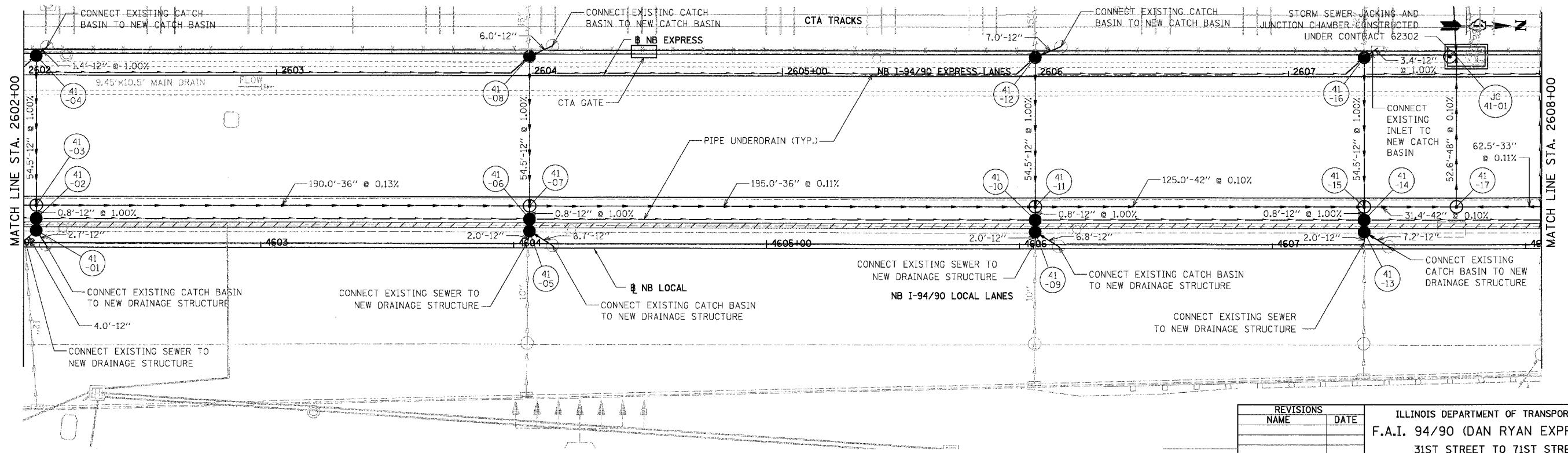
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2596+00 TO STA. 2602+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

DU-40
 12/16/00 PM
 06/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	197
STA.	TO STA.			
62300				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		• 0818, ETC, 2324.6-1P1R-8		



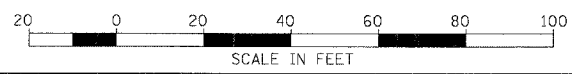
EXISTING CONDITIONS & REMOVALS



PROPOSED CONDITIONS

REVISIONS	DATE
NAME	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2602+00 TO STA. 2608+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM



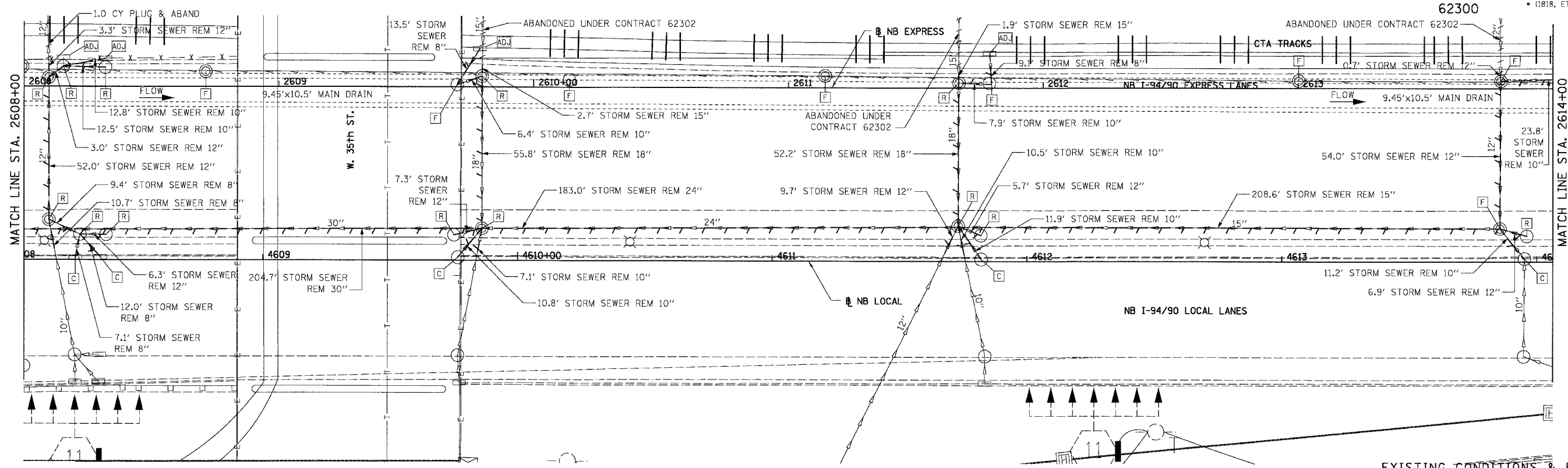
BOWMAN, BARRETT & ASSOCIATES INC
 CONSULTING ENGINEERS
 Chicago, Illinois
 312.228.0100
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DU-41

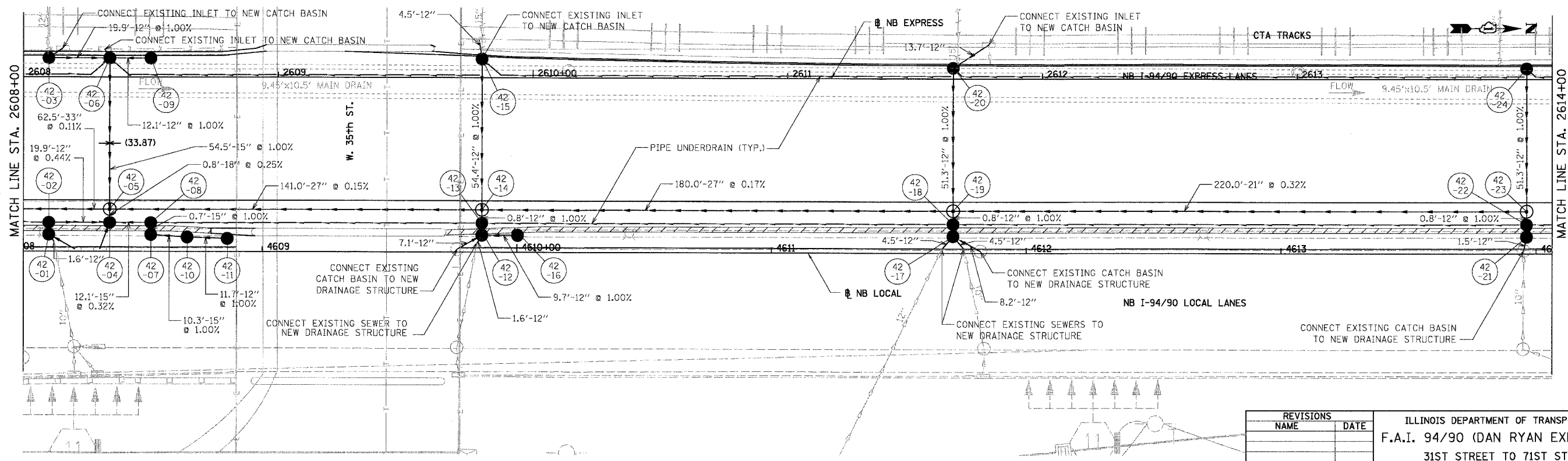
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F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	198
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		* (1818, ETC, 2324.6-IPR-8		

62300



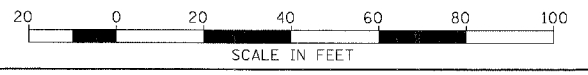
EXISTING CONDITIONS & REMOVALS



DU-42

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2608+00 TO STA. 2614+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM

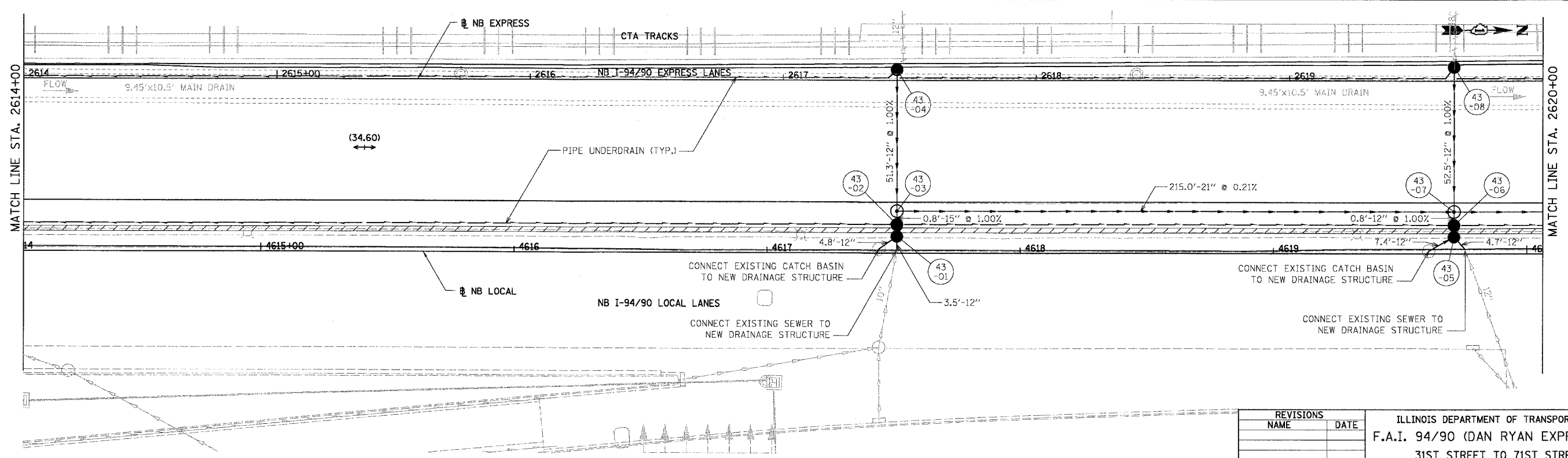
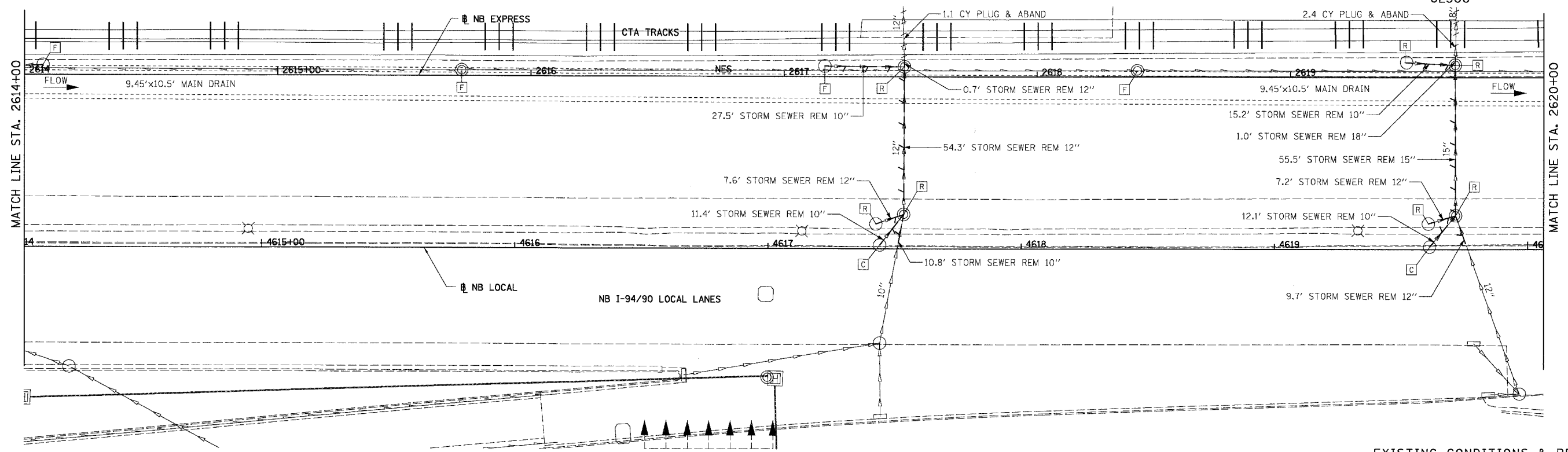


PROPOSED CONDITIONS

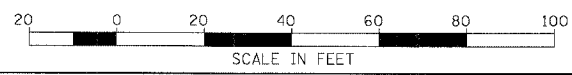
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06/28/2005 12:46:40 PM

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90		COOK	556	199
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	• (1816, ETC, 2324.6-1)R-8	



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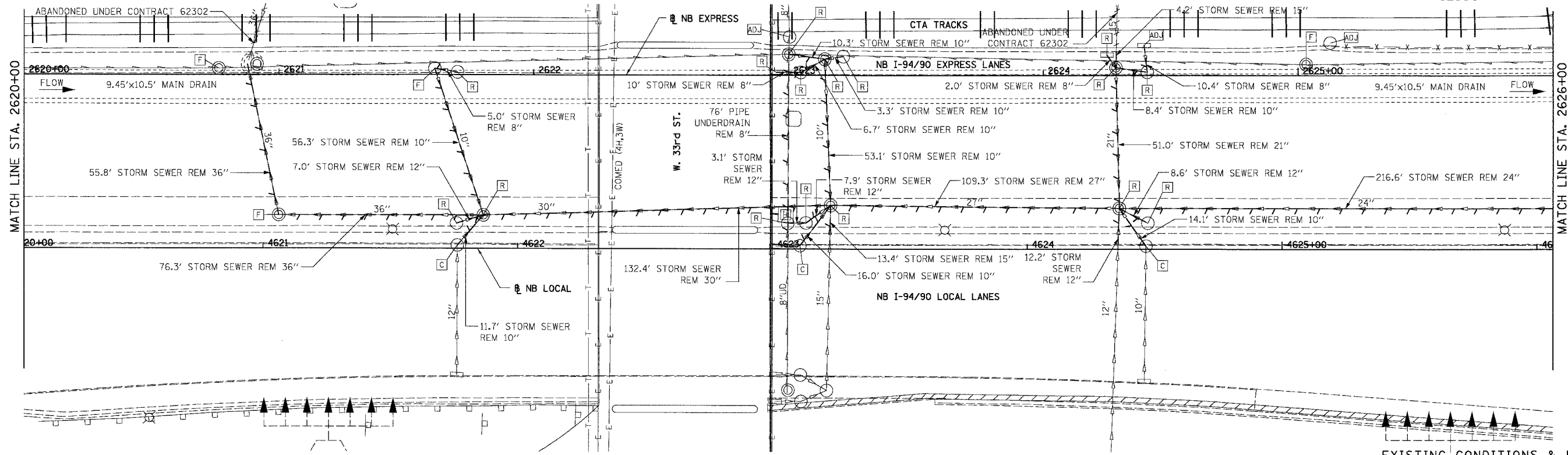


REVISIONS	NAME	DATE

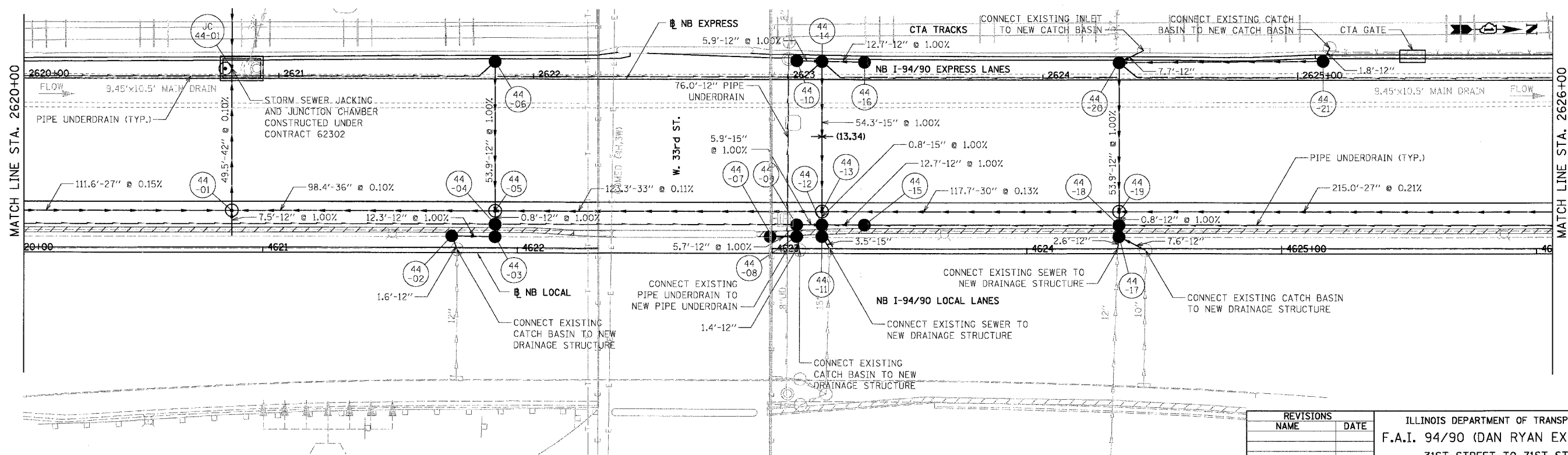
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE AND UTILITIES PLAN
NORTHBOUND STA. 2614+00 TO STA. 2620+00
SCALE: 1"=20'
DATE: 07/07/05
DRAWN BY: JAM
CHECKED BY: DDM

DU-43
12/6/07 PM
06/28/2005

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	556	200
STA. 62300		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		* (1818, ETC, 2324.6-1P1R-8		



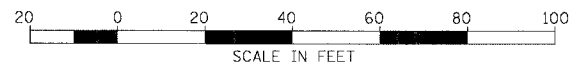
EXISTING CONDITIONS & REMOVALS



DJ-44

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 31ST STREET TO 71ST STREET
 NB EXPRESS LANE RECONSTRUCTION
 DRAINAGE AND UTILITIES PLAN
 NORTHBOUND STA. 2620+00 TO STA. 2626+00
 SCALE: 1"=20'
 DATE: 07/07/05
 DRAWN BY: JAM
 CHECKED BY: DDM



PROPOSED CONDITIONS

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 Chicago, Illinois
 312.228.0100
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12/6/01 FM 06/28/2005