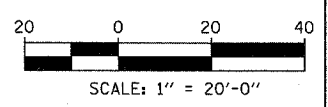


LOCATION MAP



- LEGEND:**
- TEMPORARY EROSION CONTROL SEEDING
  - PERIMETER EROSION BARRIER
  - INLET FILTER, TO BE INSTALLED IN OFF PROJECT DRAINAGE STRUCTURES ACCEPTING STORMWATER RUNOFF
  - TEMPORARY FENCE
  - TEMPORARY DITCH
  - TEMPORARY DITCH CHECK
  - TEMPORARY FENCE FOR TREE PROTECTION (15 FEET PER SIDE = 60 FEET TOTAL)

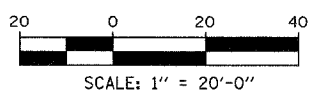
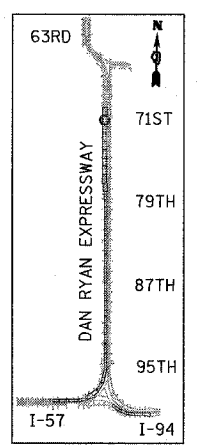
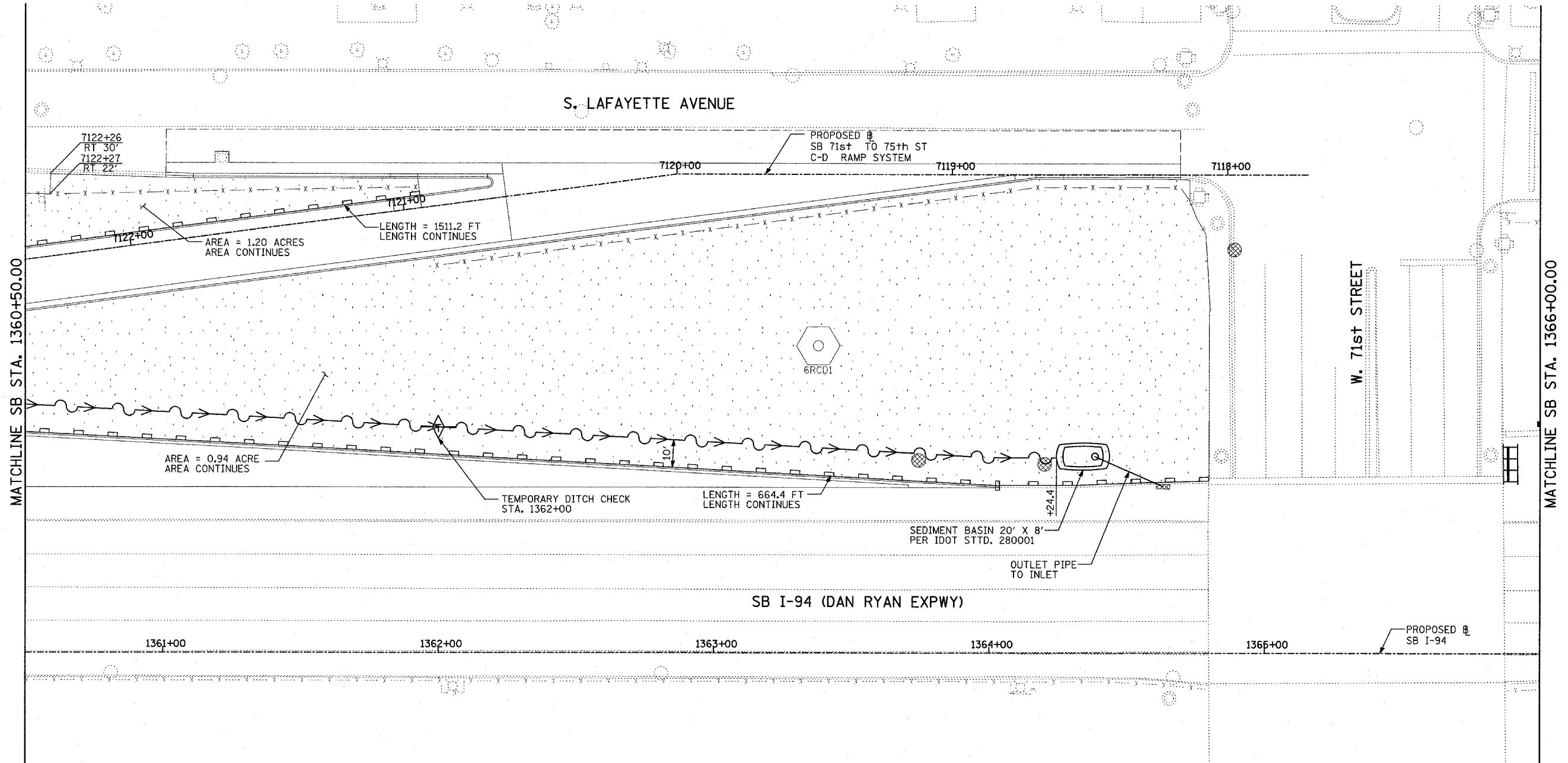
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)  
 EROSION CONTROL PLAN  
 SB 71st TO 75th ST C-D RAMP SYSTEM  
 SB I-94 STA. 1355+00.00 TO 1360+50.00  
 SHEET 25 OF 27

SCALE: 1"=20'  
 DATE: MARCH 25, 2005  
 DRAWN BY: JPA, AH  
 CHECKED BY: JPM, MAG

**TYLIN** INTERNATIONAL

03/30/2005 09:23:06 PM



- LEGEND:**
- TEMPORARY EROSION CONTROL SEEDING
  - PERIMETER EROSION BARRIER
  - INLET FILTER, TO BE INSTALLED IN OFF PROJECT DRAINAGE STRUCTURES ACCEPTING STORMWATER RUNOFF
  - TEMPORARY FENCE
  - TEMPORARY DITCH
  - TEMPORARY DITCH CHECK
  - TEMPORARY FENCE FOR TREE PROTECTION (15 FEET PER SIDE = 60 FEET TOTAL)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)  
 EROSION CONTROL PLAN  
 SB 71st TO 75th ST C-D RAMP SYSTEM  
 SB I-94 STA. 1360+50.00 TO 1366+00.00  
 SHEET 26 OF 27

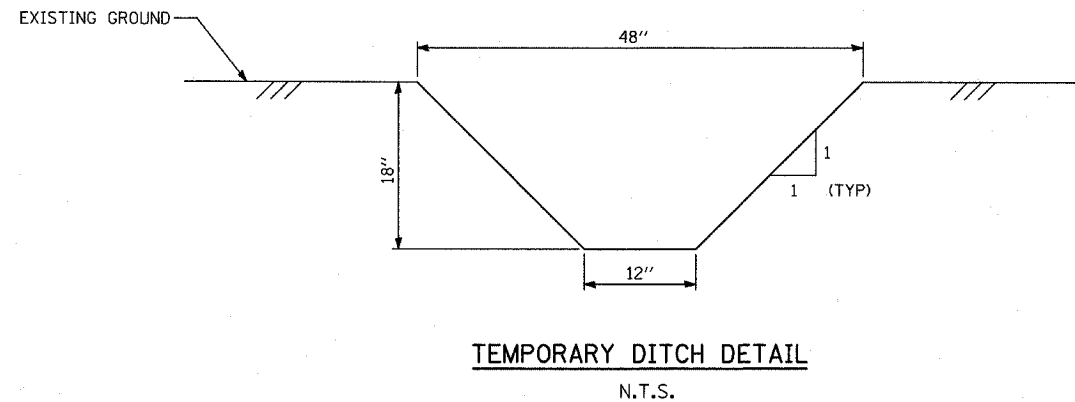
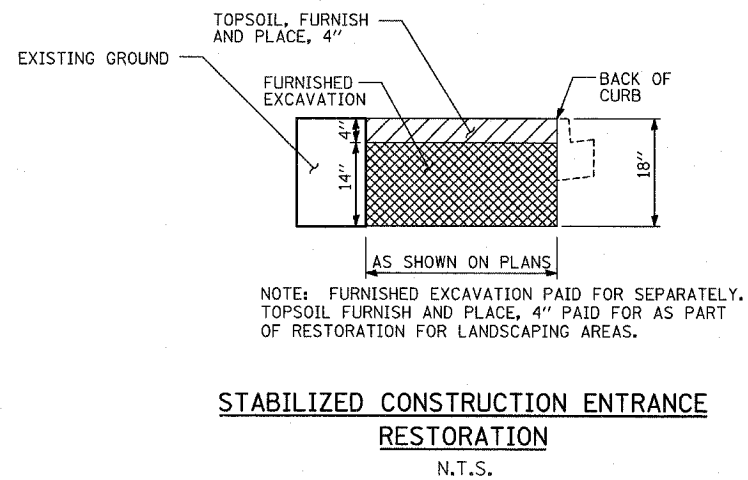
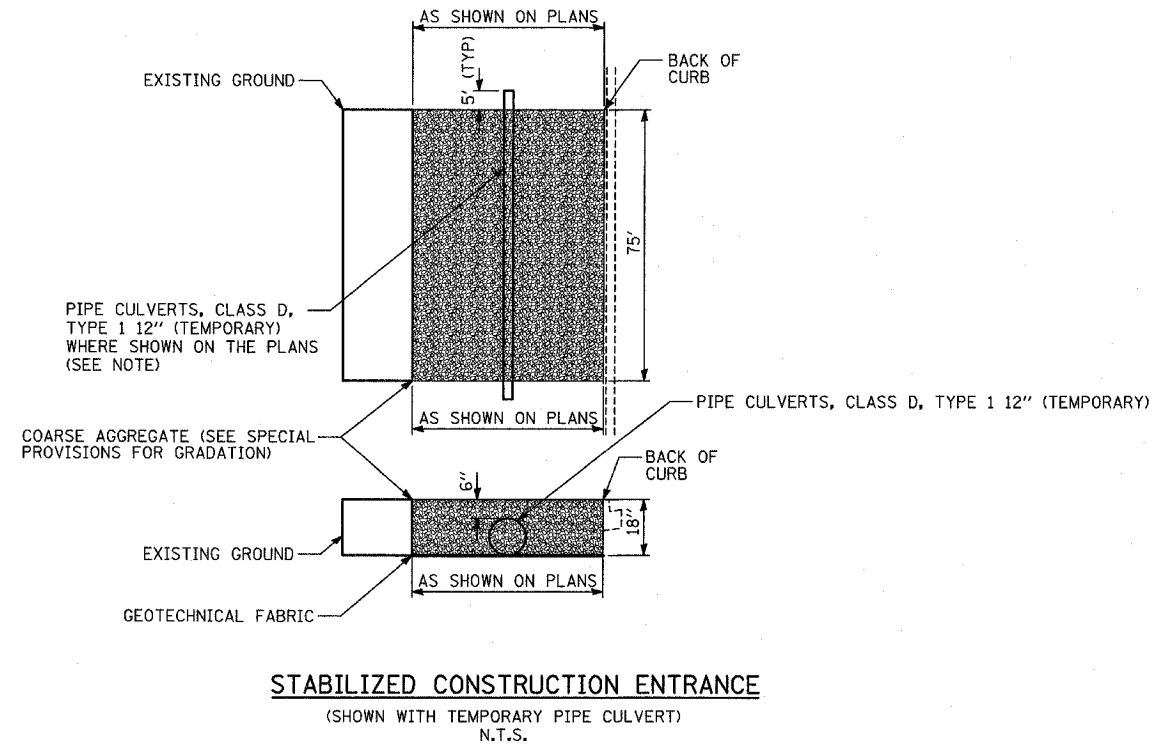
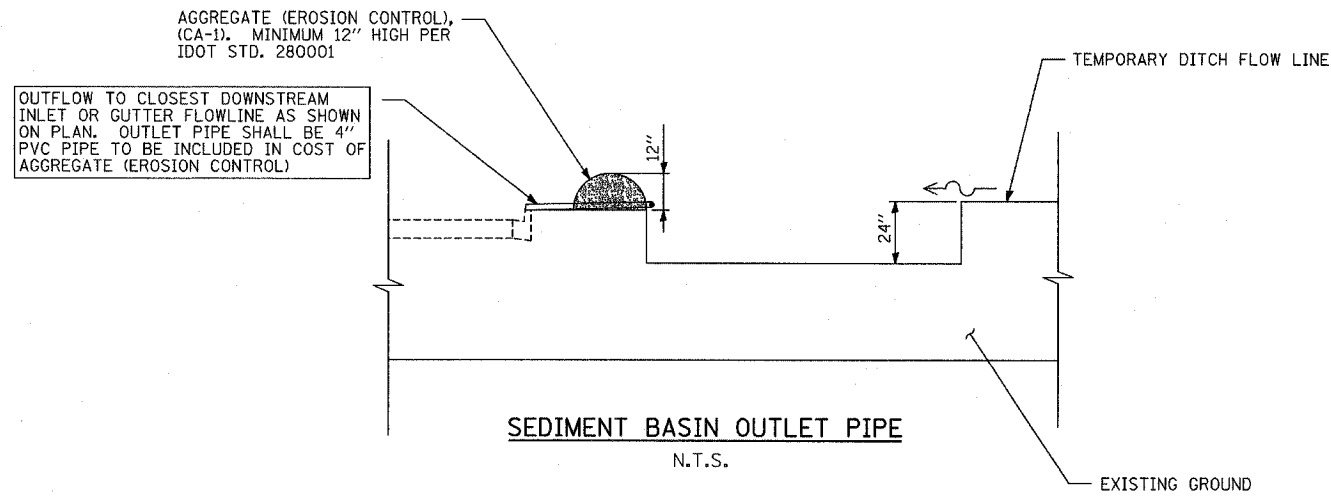
SCALE: 1"=20'  
 DATE: MARCH 25, 2005

DRAWN BY: JPA, AH  
 CHECKED BY: JPM, MAG

**TYLIN** INTERNATIONAL

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**GENERAL NOTES:**

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS 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 WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
4. TEMPORARY FENCE USED FOR DRIP LINE PROTECTION IS 60 LINEAR FEET FOR EACH TREE PROTECTED. ACTUAL LENGTH TO BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
5. TREE REMOVAL QUANTITIES APPEAR ON THE REMOVAL PLANS.
6. LENGTHS AND AREAS ARE CONTINUOUS BETWEEN SECTIONS AT THE SAME SHEET AND MAY CONTINUE THRU SEVERAL SHEETS.
7. CONTRACTOR MAY USE SALVAGED 12" WATER MAIN PIPE FOR TEMPORARY CULVERTS WHEN APPROVED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

**EROSION CONTROL PLAN  
DETAILS AND GENERAL NOTES**

SCALE: NOT TO SCALE      DRAWN BY: JPA  
DATE: MARCH 25, 2005      CHECKED BY: MPC













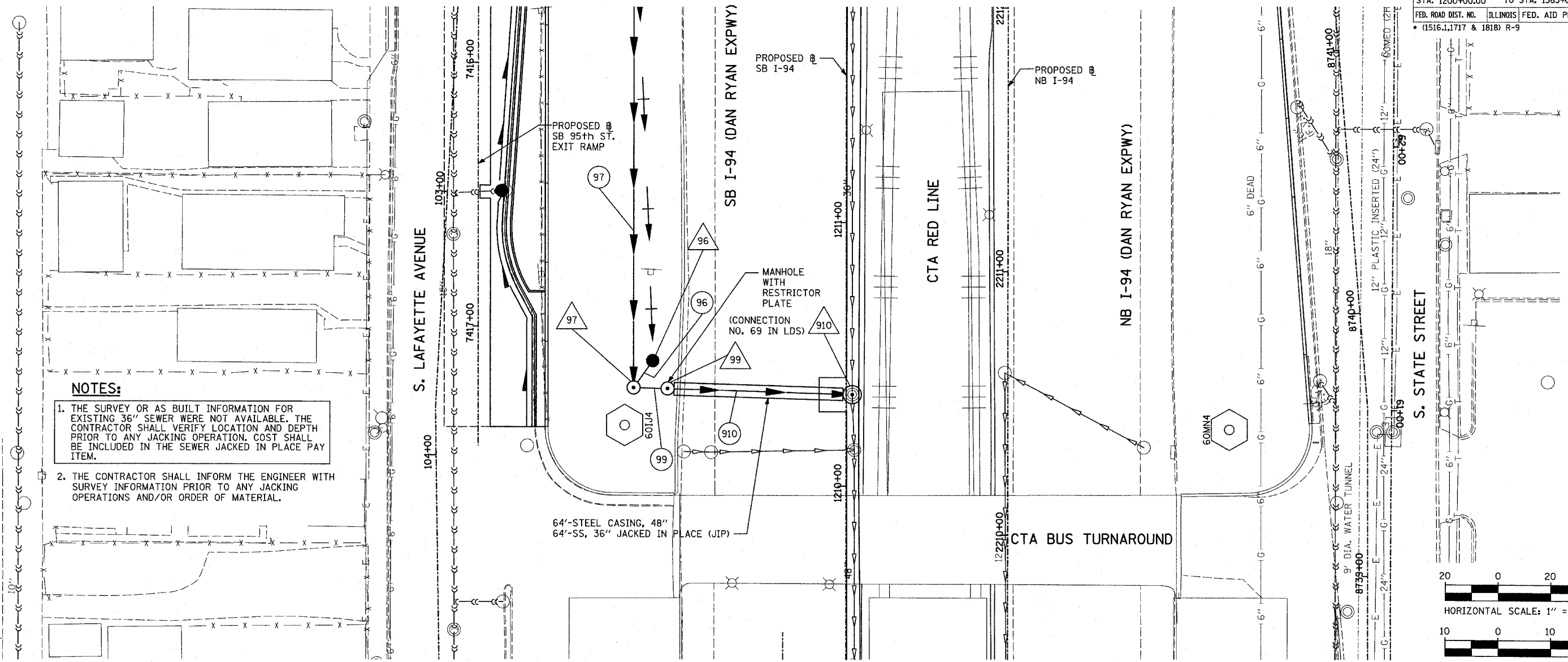




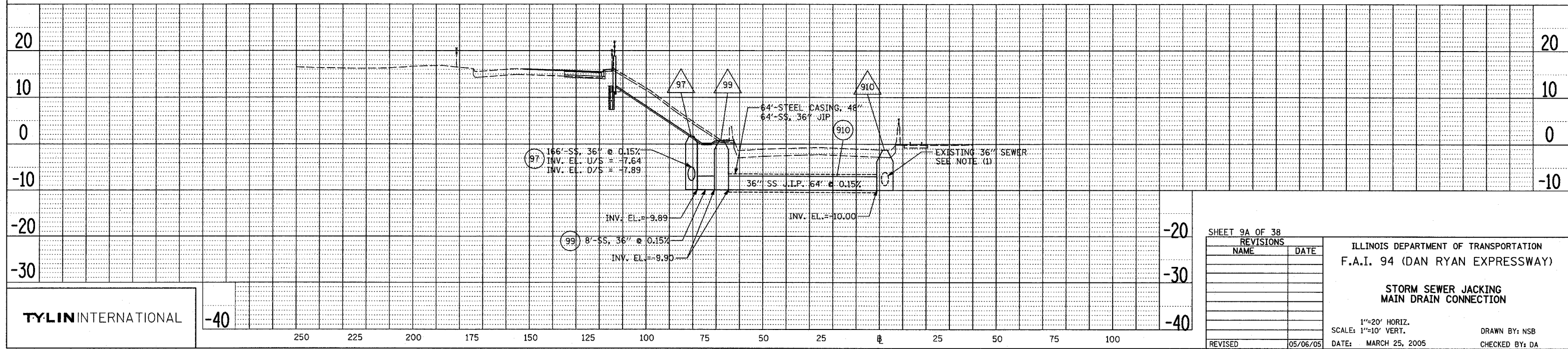
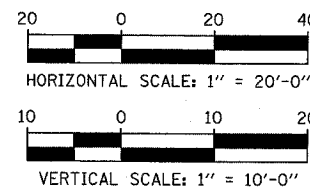




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	213A
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(1516.1, 1717 & 1818) R-9				62695



- NOTES:**
1. THE SURVEY OR AS BUILT INFORMATION FOR EXISTING 36" SEWER WERE NOT AVAILABLE. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY JACKING OPERATION. COST SHALL BE INCLUDED IN THE SEWER JACKED IN PLACE PAY ITEM.
  2. THE CONTRACTOR SHALL INFORM THE ENGINEER WITH SURVEY INFORMATION PRIOR TO ANY JACKING OPERATIONS AND/OR ORDER OF MATERIAL.



SHEET 9A OF 38

REVISIONS	
NAME	DATE

REVISED 05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

**STORM SEWER JACKING  
MAIN DRAIN CONNECTION**

1"=20' HORIZ.  
SCALE: 1"=10' VERT.

DATE: MARCH 25, 2005

DRAWN BY: NSB  
CHECKED BY: DA

TYLIN INTERNATIONAL

-40

250 225 200 175 150 125 100 75 50 25 0 25 50 75 100

PLAN

SURVEYED	DATE
ALIGNED	BY
CHECKED	NO.
DATE	

PROFILE

SURVEYED	DATE
GRADES	BY
CHECKED	NO.
DATE	



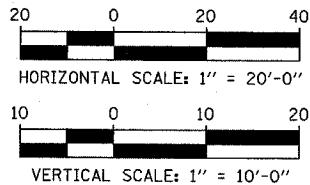




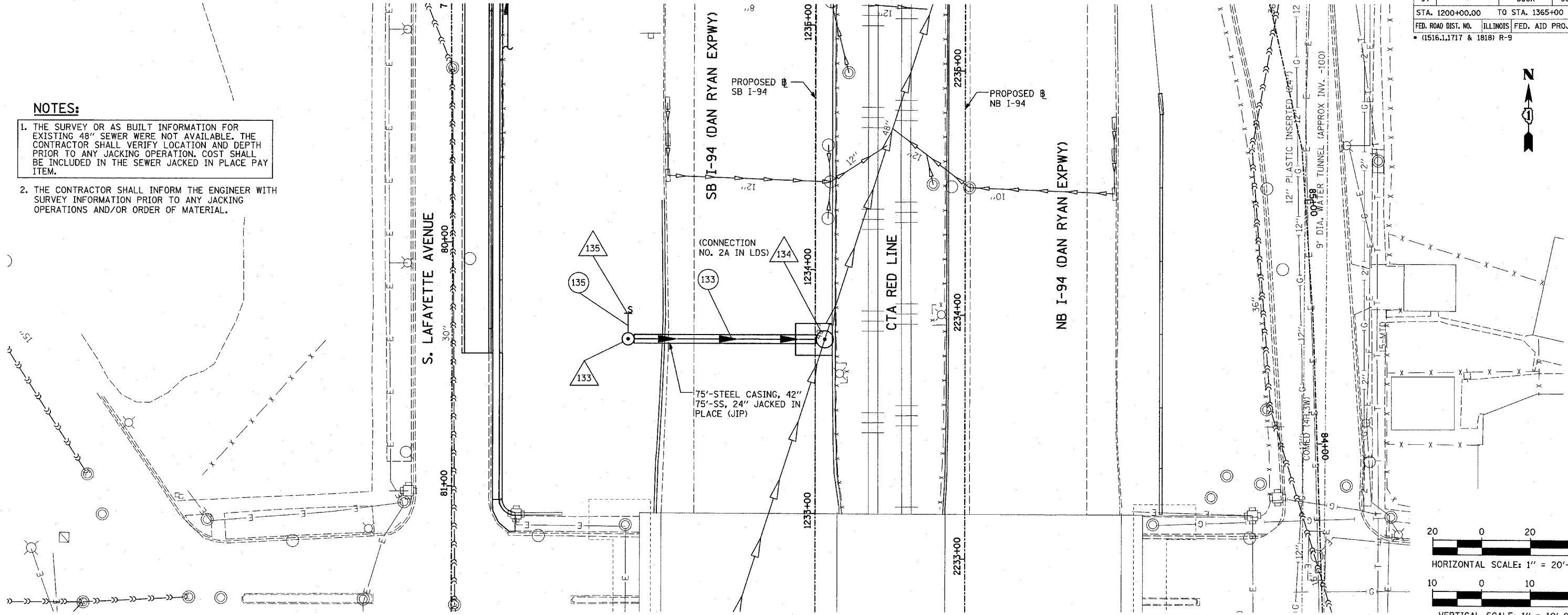




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	.	COOK	907	217A
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (1516.1,1717 & 1818) R-9			62695	

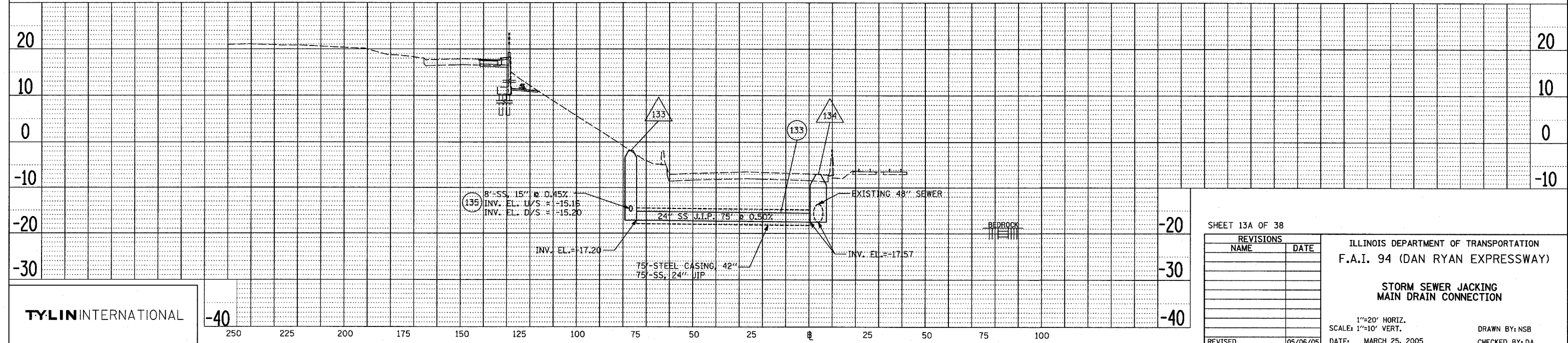


- NOTES:**
- THE SURVEY OR AS BUILT INFORMATION FOR EXISTING 48" SEWER WERE NOT AVAILABLE. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY JACKING OPERATION. COST SHALL BE INCLUDED IN THE SEWER JACKED IN PLACE PAY ITEM.
  - THE CONTRACTOR SHALL INFORM THE ENGINEER WITH SURVEY INFORMATION PRIOR TO ANY JACKING OPERATIONS AND/OR ORDER OF MATERIAL.



PLAN	SURVEYED	DATE
NO.	BY	
	DATE	
	DATE	
	DATE	

PROFILE	SURVEYED	DATE
NO.	BY	
	DATE	
	DATE	
	DATE	



**TYLIN INTERNATIONAL**

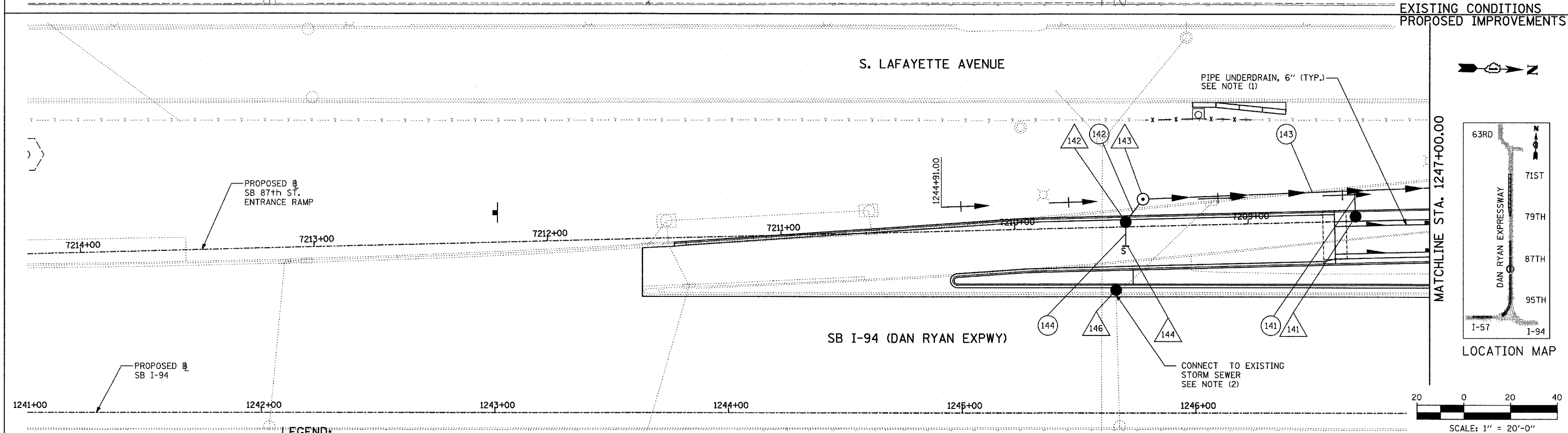
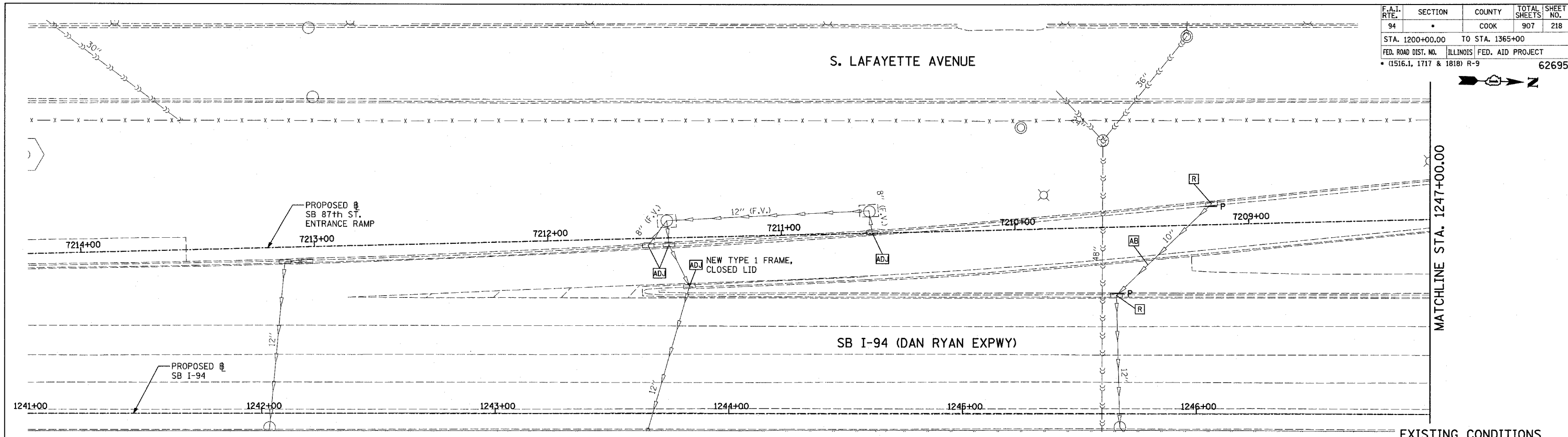
SHEET 13A OF 38

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
  
**STORM SEWER JACKING  
 MAIN DRAIN CONNECTION**  
  
 1"=20' HORIZ.  
 SCALE: 1"=10' VERT.  
 DATE: MARCH 25, 2005  
 DRAWN BY: NSB  
 CHECKED BY: DA

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	.	COOK	907	218
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



- LEGEND:**
- EXISTING COMBINED SEWER
  - (XY) PROPOSED STORM SEWER NUMBER (X=SHEET NO., Y=PIPE NO.)
  - (XY) PROPOSED STRUCTURE NUMBER (X=SHEET NO., Y=STRUCTURE NO.)
  - S- PIPE STUBOUT TO BE PLUGGED
  - +++++ UTILITY REMOVAL
  - P UTILITY REMOVAL PLUG
  - HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
  - HIGH MAST LIGHT TOWER FOUNDATION, WALL MOUNTED
  - HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
  - F.V. FIELD VERIFY

- NOTES:**
- FOR CLARITY, PIPE UNDERDRAINS ARE SHOWN OFFSET FROM THEIR PROPOSED LOCATIONS. FOR DETAILED PLACEMENT, SEE SHEET "PIPE UNDERDRAINS ALONG RAMP'S DETAIL."
  - COST SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN COST OF SEWER INSTALLATION.

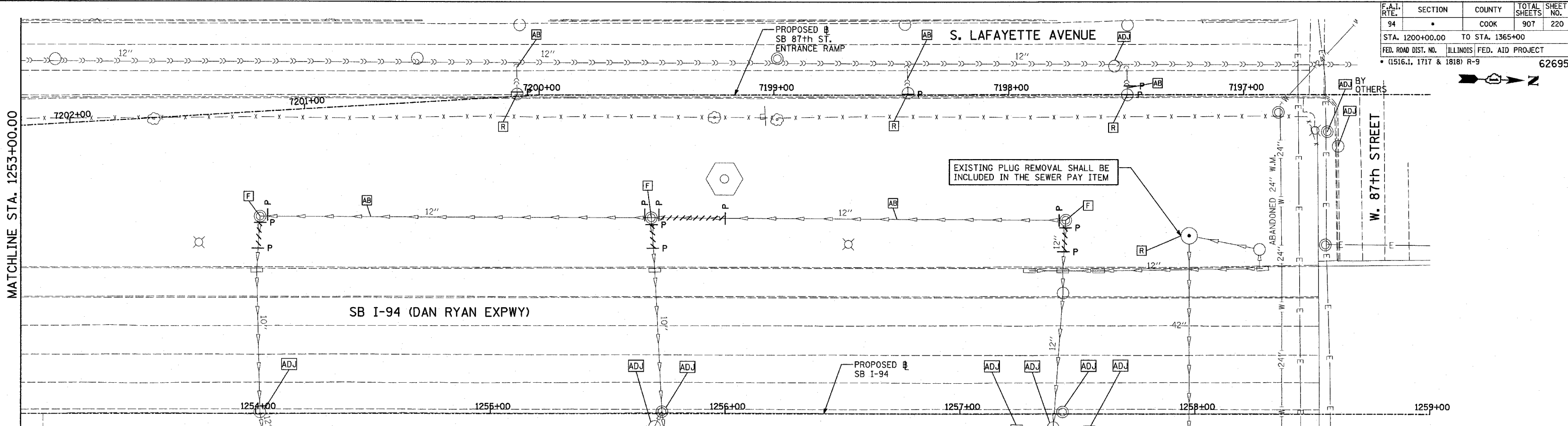
REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
**DRAINAGE AND UTILITY PLANS**  
**SB 87th STREET ENTRANCE RAMP**  
**SB I-94 STA. 1243+63.09 TO 1247+00.00**

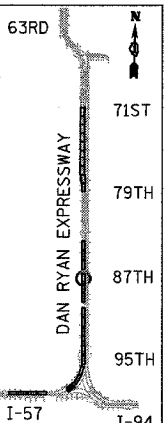
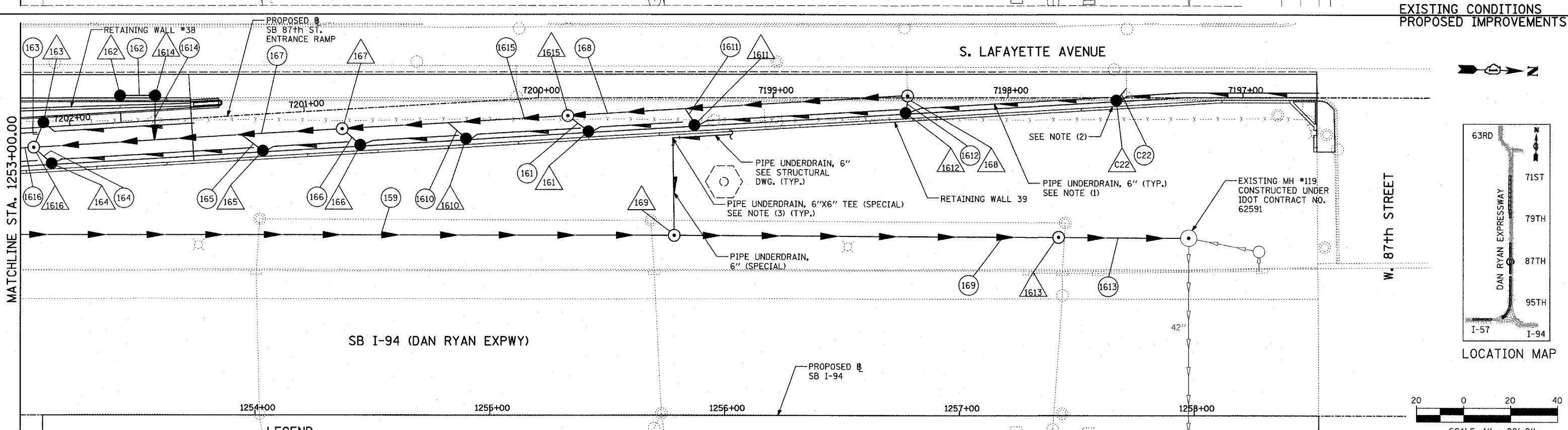
SCALE: 1"=20'  
DATE: MARCH 25, 2005  
DRAWN BY: MB  
CHECKED BY: DA



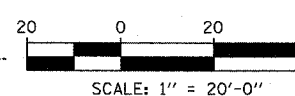
F.A.I. RTE. 94	SECTION *	COUNTY COOK	TOTAL SHEETS 907	SHEET NO. 220
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



EXISTING CONDITIONS  
PROPOSED IMPROVEMENTS



LOCATION MAP



**LEGEND:**

	EXISTING COMBINED SEWER		HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
	PROPOSED STORM SEWER NUMBER (X=SHEET NO., Y=PIPE NO.)		HIGH MAST LIGHT TOWER FOUNDATION, WALL MOUNTED
	PROPOSED STRUCTURE NUMBER (X=SHEET NO., Y=STRUCTURE NO.)		HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
	PIPE STUBOUT TO BE PLUGGED		F.V. FIELD VERIFY
	UTILITY REMOVAL		
	UTILITY REMOVAL PLUG		

- NOTES:**
- FOR CLARITY, PIPE UNDERDRAINS ARE SHOWN OFFSET FROM THEIR PROPOSED LOCATIONS. FOR DETAILED PLACEMENT, SEE SHEET "PIPE UNDERDRAINS ALONG RAMP DETAIL."
  - CONNECT TO EXISTING CDWM COMBINED SEWER. SEE COMBINED SEWER DRAINAGE SCHEDULE FOR DETAILS (TYP.).
  - ALL TEES AND ELBOWS/BENDS FOR PUD, 6" (SPECIAL) SHALL BE INCLUDED IN COST OF PUD, 6" (SPECIAL).

4. "FOR 'POROUS GRANULAR EMBANKMENT, SUBGRADE' REQUIRED DURING SEWER INSTALLATION, SEE SCHEDULE OF QUANTITIES." EARTHWORK QUANTITIES - SHEET 1.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
**DRAINAGE AND UTILITY PLANS**  
SB 87th STREET ENTRANCE RAMP  
SB I-94 STA. 1253+00.00 TO 1258+46.18

SCALE: 1"=20'  
DATE: MARCH 25, 2005  
DRAWN BY: MB  
CHECKED BY: DA



















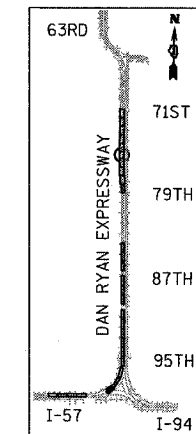
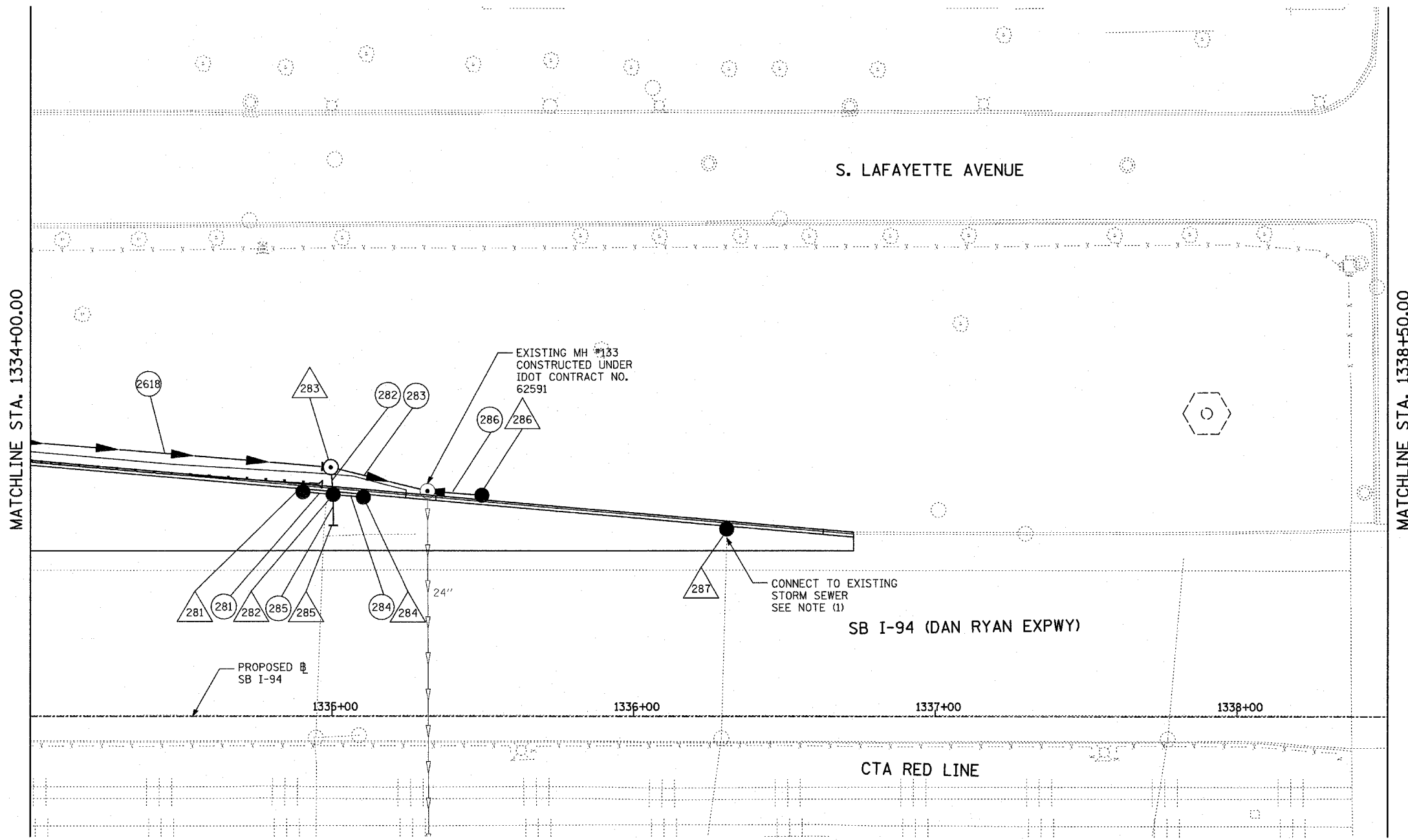




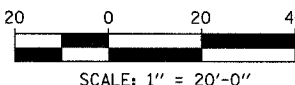




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	232
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		



LOCATION MAP



TYLIN INTERNATIONAL

<b>LEGEND:</b>	
EXISTING COMBINED SEWER	HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
PROPOSED STORM SEWER NUMBER (X=SHEET NO., Y=PIPE NO.)	HIGH MAST LIGHT TOWER FOUNDATION, WALL MOUNTED
PROPOSED STRUCTURE NUMBER (X=SHEET NO., Y=STRUCTURE NO.)	HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
PIPE STUBOUT TO BE PLUGGED	F.V. FIELD VERIFY
UTILITY REMOVAL	
UTILITY REMOVAL PLUG	

**NOTES:**

1. COST SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN COST OF SEWER INSTALLATION.

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)  
 DRAINAGE AND UTILITY PROPOSED PLAN  
 SB 76th TO 79th STREET C-D RAMP  
 DAN RYAN STA. 1334+00.00 TO 1338+50.00

SCALE: 1"=20'  
 DATE: MARCH 25, 2005  
 DRAWN BY: MPG  
 CHECKED BY: JPM















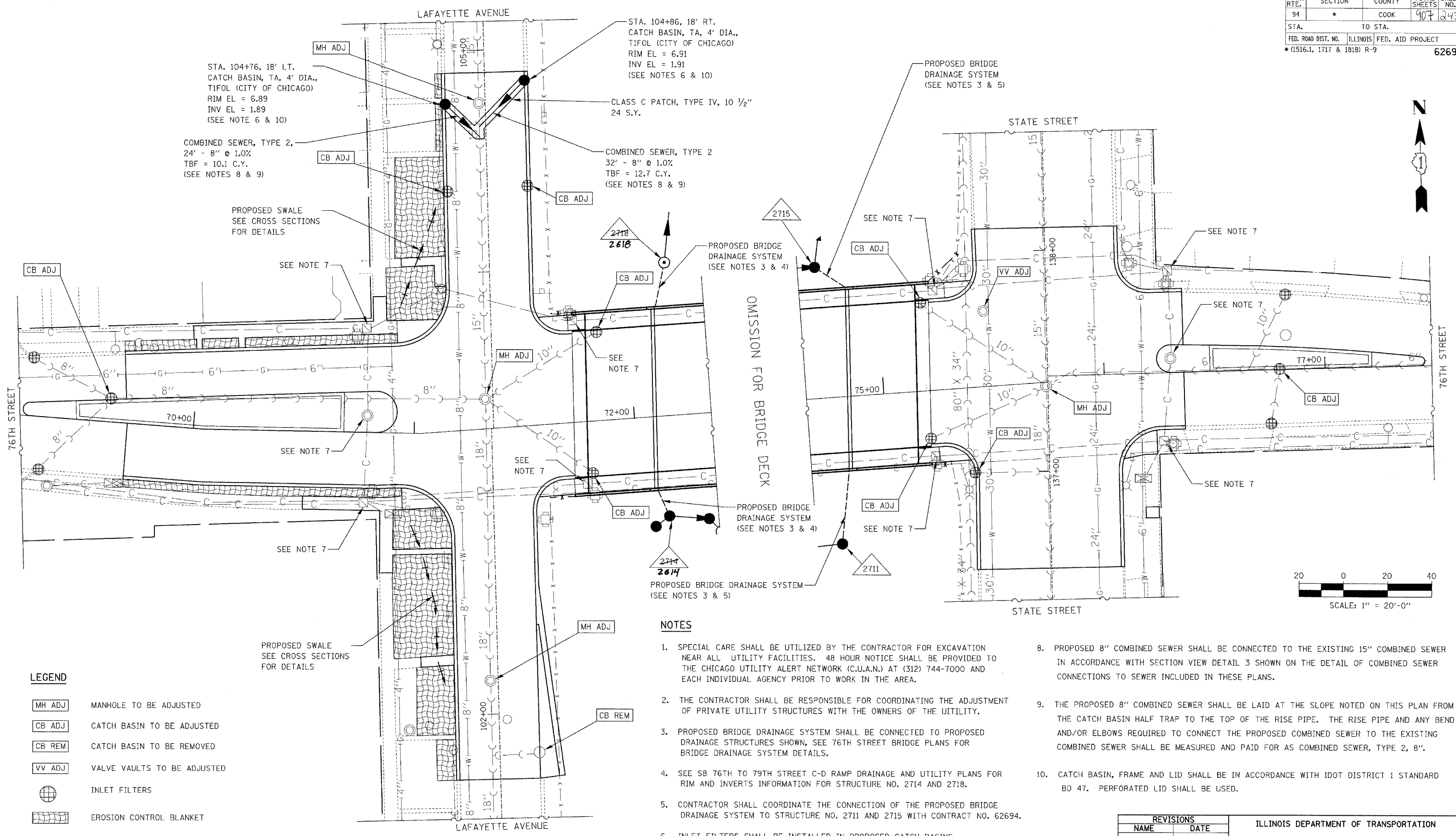








F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	243
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(1516.1, 1717 & 1818) R-9		62695		



**LEGEND**

- MH ADJ MANHOLE TO BE ADJUSTED
- CB ADJ CATCH BASIN TO BE ADJUSTED
- CB REM CATCH BASIN TO BE REMOVED
- VV ADJ VALVE VAULTS TO BE ADJUSTED
- INLET FILTERS
- EROSION CONTROL BLANKET

**NOTES**

1. SPECIAL CARE SHALL BE UTILIZED BY THE CONTRACTOR FOR EXCAVATION NEAR ALL UTILITY FACILITIES. 48 HOUR NOTICE SHALL BE PROVIDED TO THE CHICAGO UTILITY ALERT NETWORK (C.U.A.N.) AT (312) 744-7000 AND EACH INDIVIDUAL AGENCY PRIOR TO WORK IN THE AREA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ADJUSTMENT OF PRIVATE UTILITY STRUCTURES WITH THE OWNERS OF THE UTILITY.
3. PROPOSED BRIDGE DRAINAGE SYSTEM SHALL BE CONNECTED TO PROPOSED DRAINAGE STRUCTURES SHOWN, SEE 76TH STREET BRIDGE PLANS FOR BRIDGE DRAINAGE SYSTEM DETAILS.
4. SEE SB 76TH TO 79TH STREET C-D RAMP DRAINAGE AND UTILITY PLANS FOR RIM AND INVERTS INFORMATION FOR STRUCTURE NO. 2714 AND 2718.
5. CONTRACTOR SHALL COORDINATE THE CONNECTION OF THE PROPOSED BRIDGE DRAINAGE SYSTEM TO STRUCTURE NO. 2711 AND 2715 WITH CONTRACT NO. 62694.
6. INLET FILTERS SHALL BE INSTALLED IN PROPOSED CATCH BASINS.
7. SEE TRAFFIC SIGNAL PLANS FOR CITY ELECTRIC MANHOLE INFORMATION.
8. PROPOSED 8" COMBINED SEWER SHALL BE CONNECTED TO THE EXISTING 15" COMBINED SEWER IN ACCORDANCE WITH SECTION VIEW DETAIL 3 SHOWN ON THE DETAIL OF COMBINED SEWER CONNECTIONS TO SEWER INCLUDED IN THESE PLANS.
9. THE PROPOSED 8" COMBINED SEWER SHALL BE LAID AT THE SLOPE NOTED ON THIS PLAN FROM THE CATCH BASIN HALF TRAP TO THE TOP OF THE RISE PIPE. THE RISE PIPE AND ANY BEND AND/OR ELBOWS REQUIRED TO CONNECT THE PROPOSED COMBINED SEWER TO THE EXISTING COMBINED SEWER SHALL BE MEASURED AND PAID FOR AS COMBINED SEWER, TYPE 2, 8".
10. CATCH BASIN, FRAME AND LID SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD BD 47. PERFORATED LID SHALL BE USED.

REVISIONS	
NAME	DATE

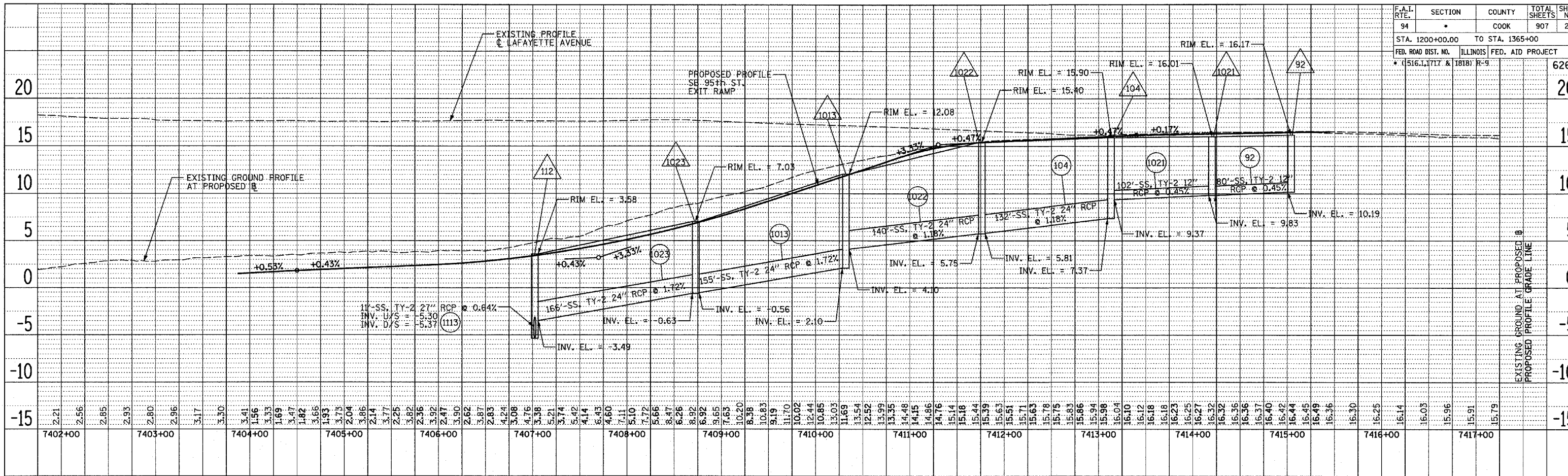
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
**76TH STREET**  
**DRAINAGE, EROSION CONTROL**  
**AND UTILITY PLAN**  
 SCALE: AS SHOWN      DRAWN BY: RTA  
 DATE: MARCH 25, 2005      CHECKED BY: JCM



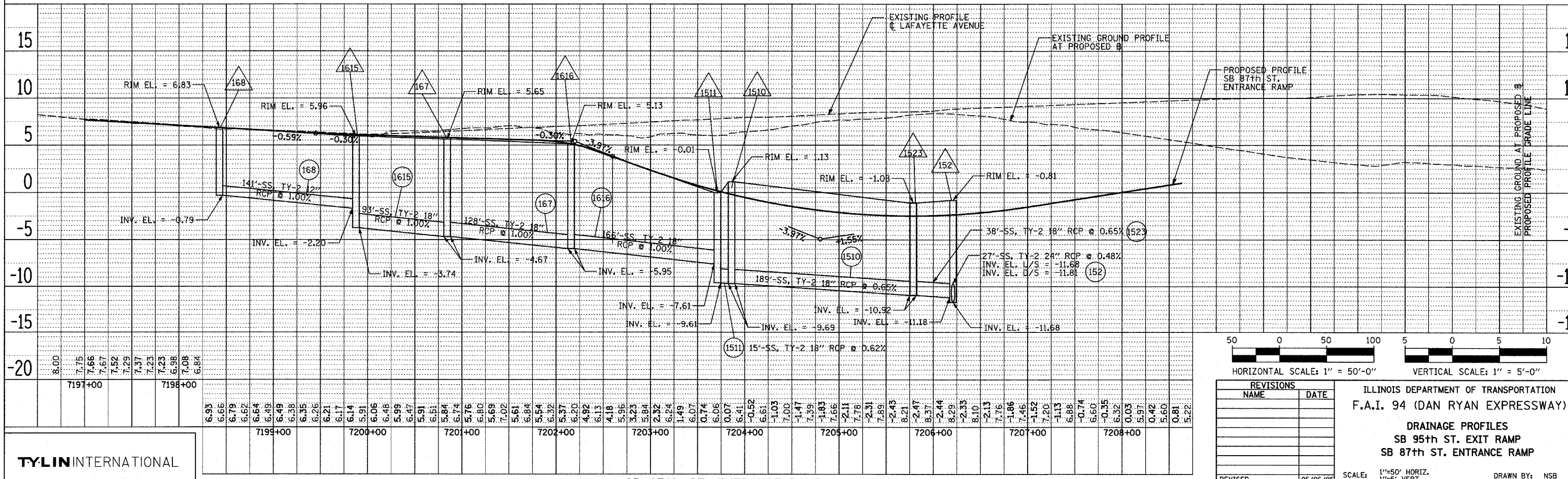
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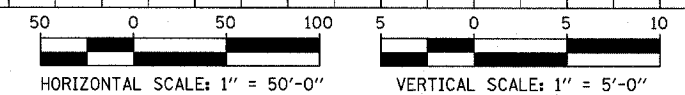
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	245
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516.1717 & 1818) F-9				62695



SB 95th ST. EXIT RAMP



SB 87th ST. ENTRANCE RAMP



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
  
**DRAINAGE PROFILES**  
 SB 95th ST. EXIT RAMP  
 SB 87th ST. ENTRANCE RAMP

SCALE: 1"=50' HORIZ.  
 1"=5' VERT.

DATE: MARCH 25, 2005

DRAWN BY: NSB  
 CHECKED BY: DA

PLAN SURVEYED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 R.T. OF WAY CHECKED BY: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CADD FILE NAME: \_\_\_\_\_

PLAN SURVEYED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

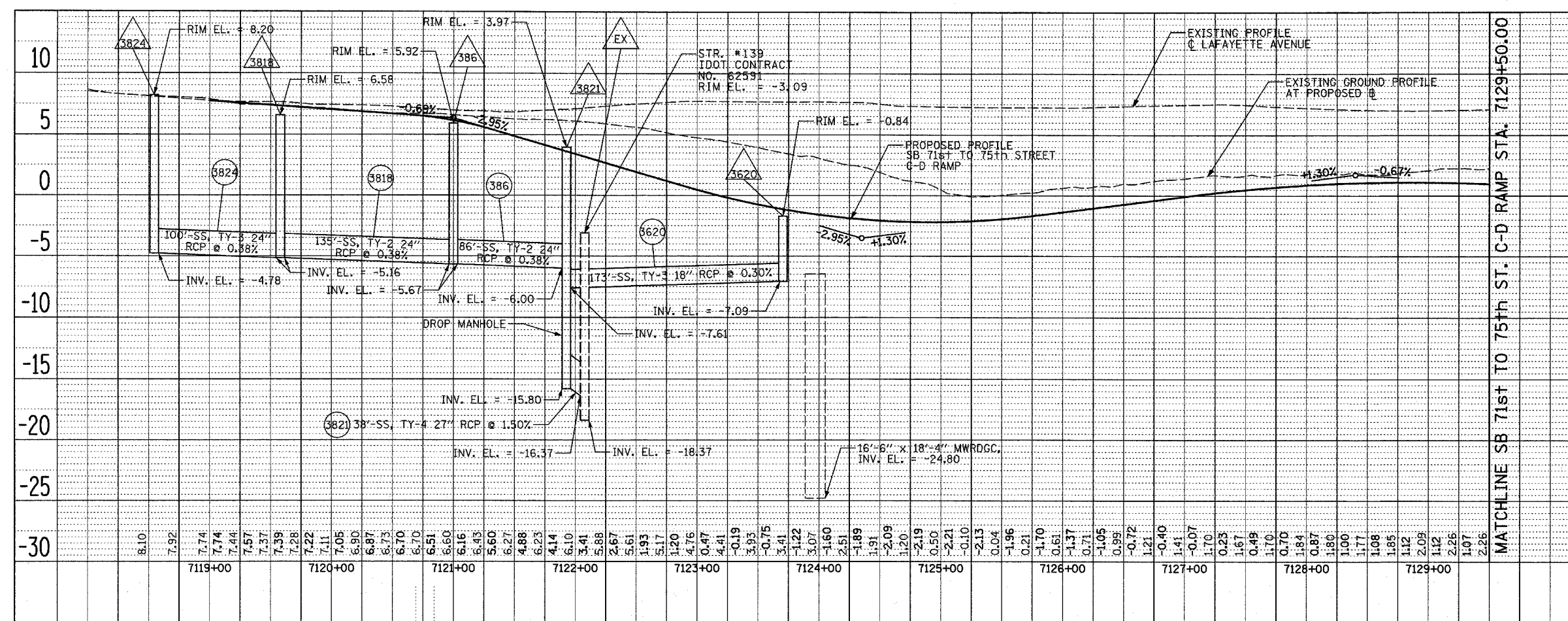
DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 R.T. OF WAY CHECKED BY: \_\_\_\_\_  
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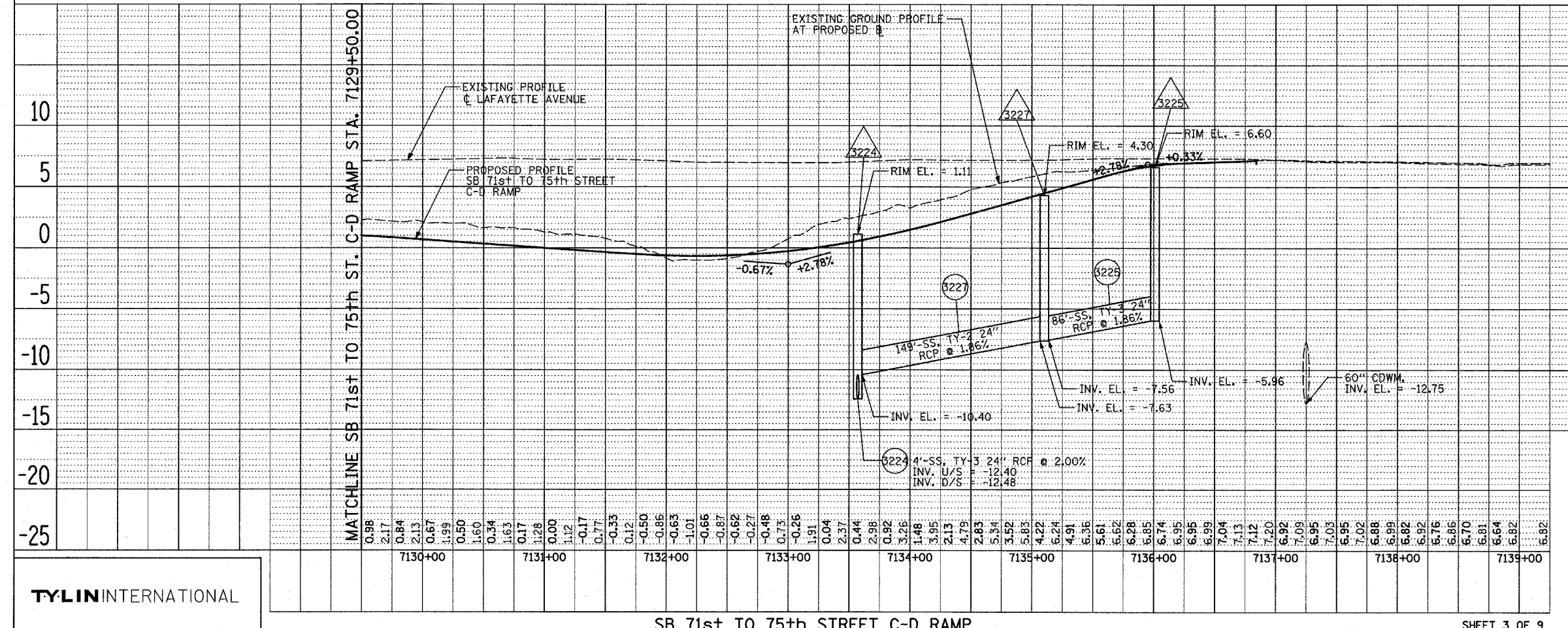
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 NO. \_\_\_\_\_

PLAN SURVEYED PLOTTED CHECKED  
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 DATE \_\_\_\_\_  
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 NO. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	246
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (1516, 1717 & 1818) R-9		62695		



SB 71st to 75th STREET C-D RAMP



SB 71st to 75th STREET C-D RAMP

EXISTING GROUND AT PROPOSED B  
PROPOSED PROFILE GRADE LINE

HORIZONTAL SCALE: 1" = 50'-0"

VERTICAL SCALE: 1" = 5'-0"

REVISIONS	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**  
  
**DRAINAGE PROFILES**  
**SB 71st TO 75th STREET C-D RAMP**

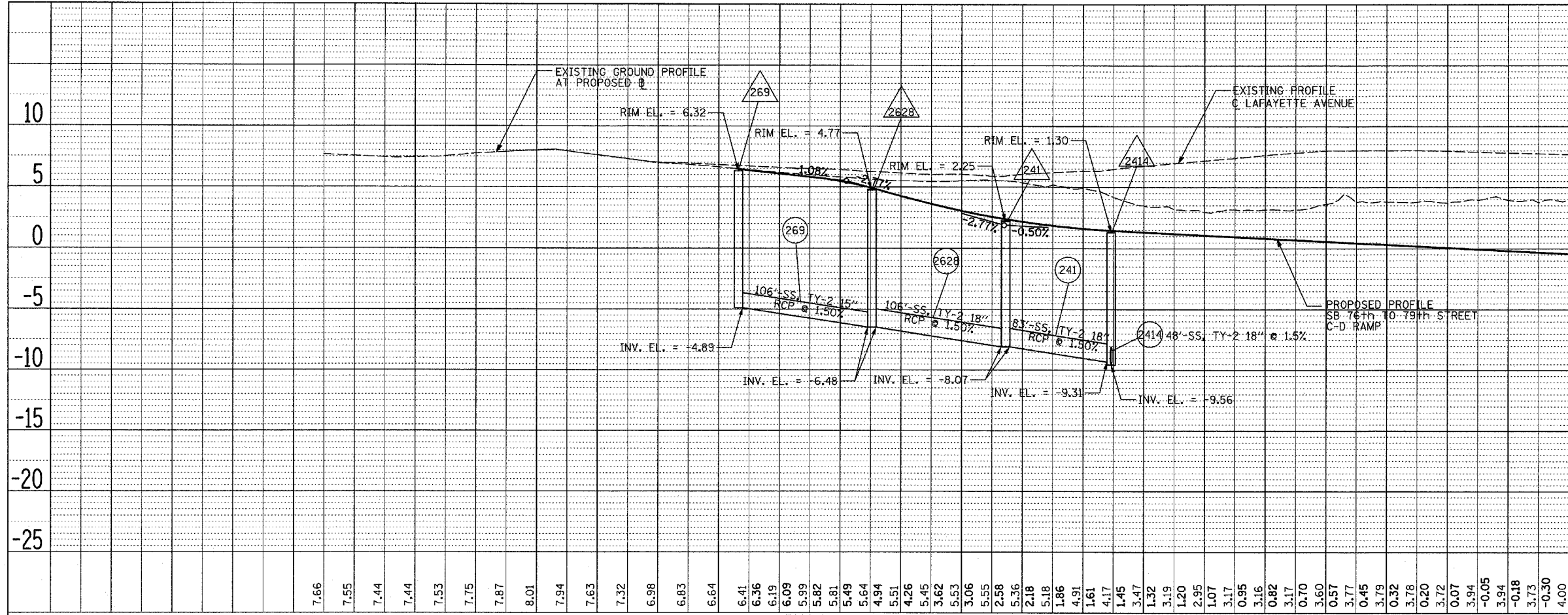
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**TYLIN** INTERNATIONAL

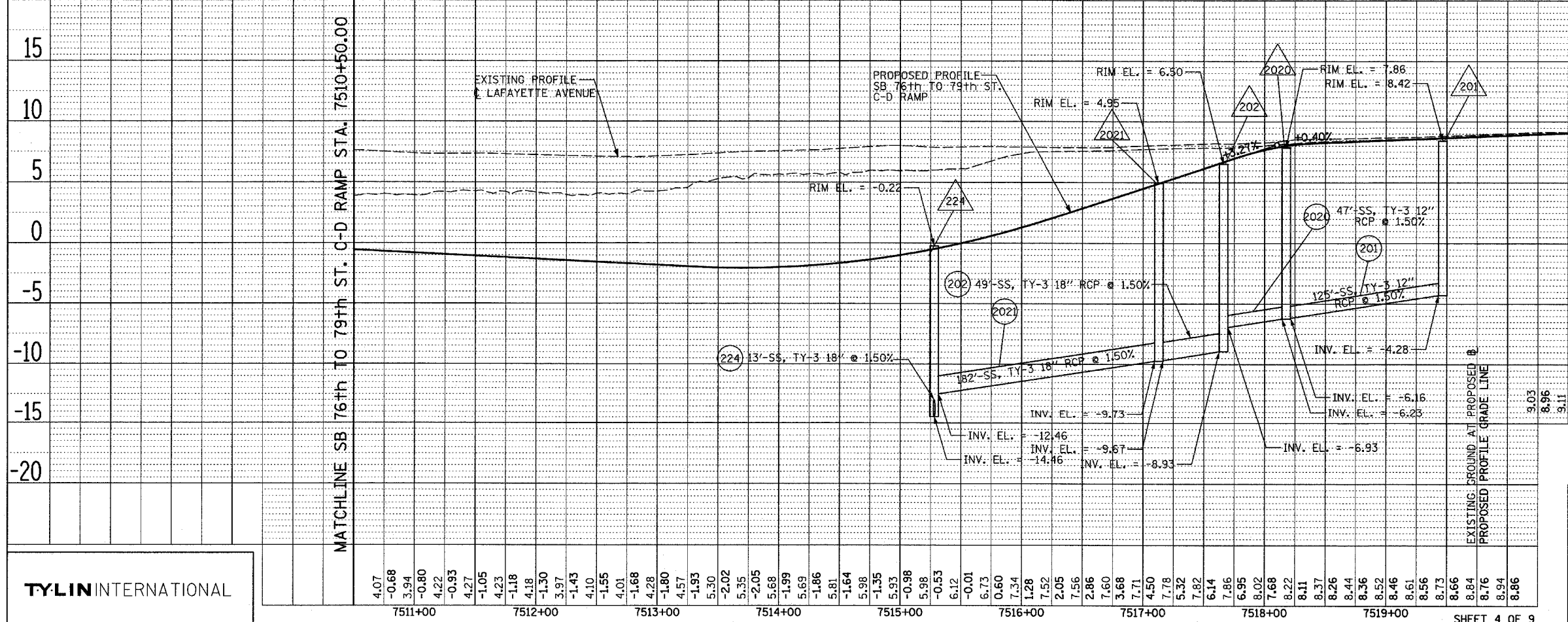
SHEET 3 OF 9

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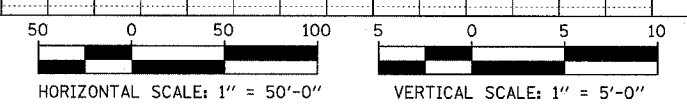




SB 76TH TO 79TH STREET C-D RAMP



SB 76TH TO 79TH STREET C-D RAMP



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

DRAINAGE PROFILES  
 SB 76th to 79th STREET C-D RAMP

SCALE: 1"=50' HORIZ.  
 1"=5' VERT.

DATE: MARCH 25, 2005

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 CHECKED BY: MPC

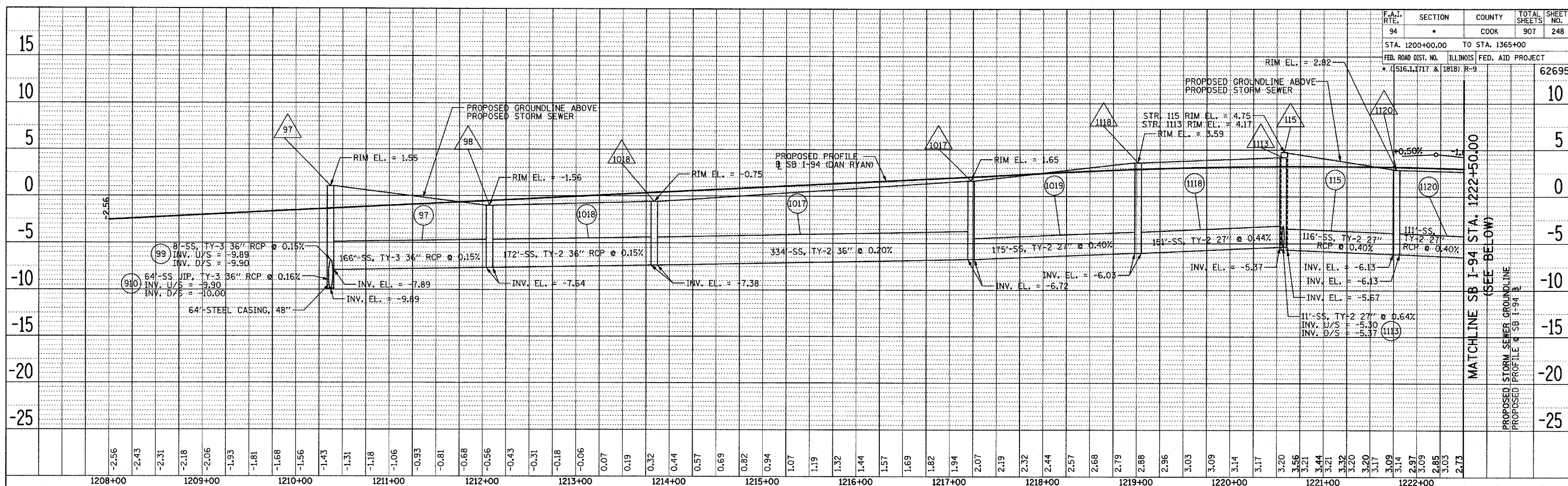
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 OF: \_\_\_\_\_  
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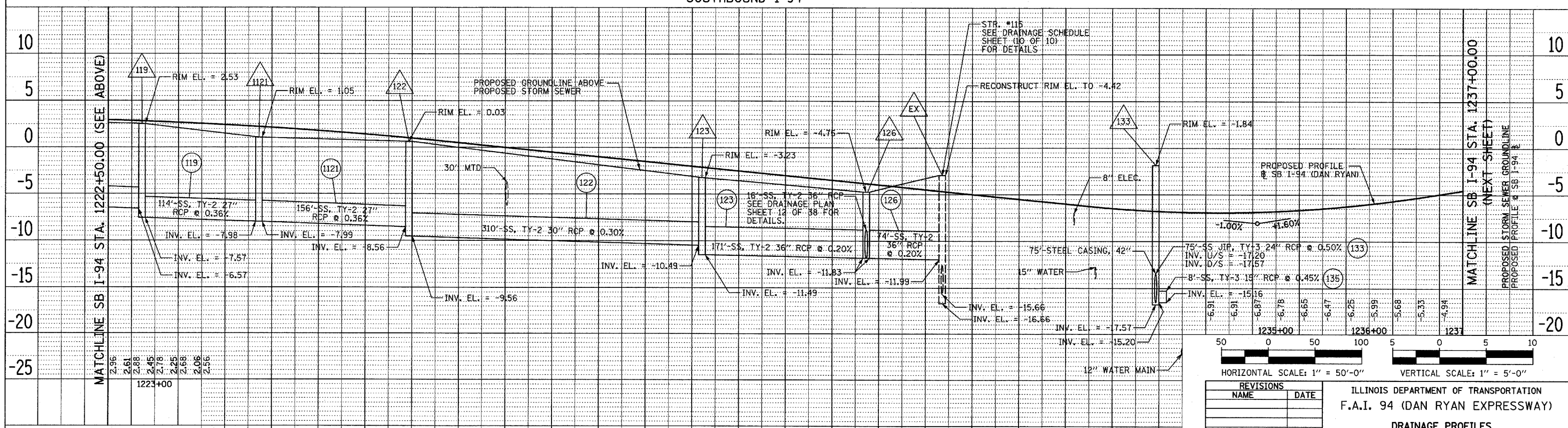
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 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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F.A.I. RTE.	94	SECTION	*	COUNTY	COOK	TOTAL SHEETS	907	SHEET NO.	248
STA.	1200+00.00	TO STA.	1365+00	FED. AID PROJECT				62695	
ILLINOIS									
RD. DIST. NO.	* (516.1, 1717 & 1818) R-9								



HORIZONTAL SCALE: 1" = 50'-0"	
VERTICAL SCALE: 1" = 5'-0"	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
DRAINAGE PROFILES  
SB I-94  
STA. 1208+00.00 TO 1237+00.00

SCALE: 1"=50' HORIZ.  
1"=5' VERT.  
DATE: MARCH 25, 2005  
DRAWN BY: NSB  
CHECKED BY: DA

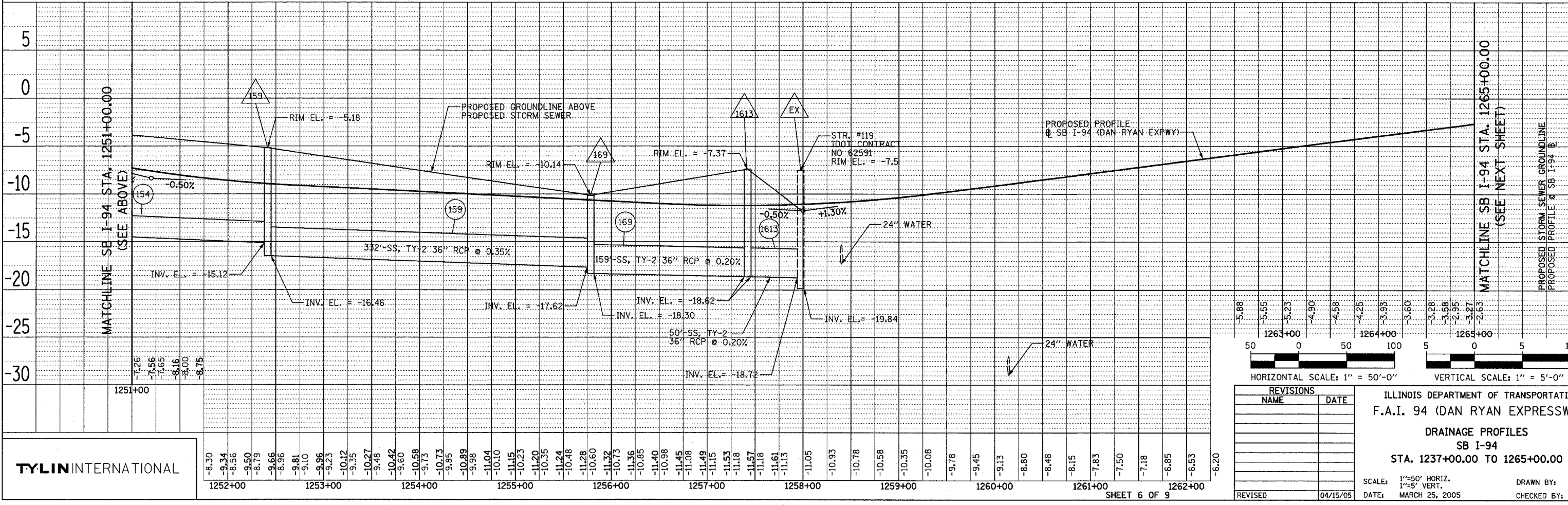
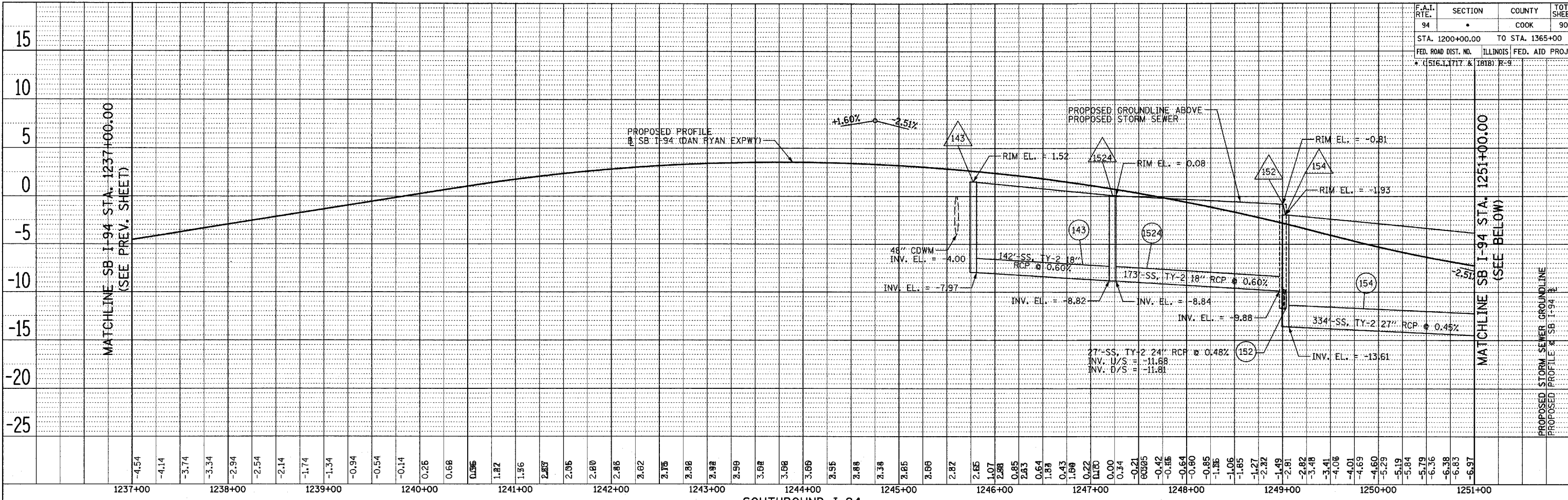
TYL INTERNATIONAL

SOUTHBOUND I-94

PLAN SURVEYED PLOTTED CHECKED  
NOTE BOOK NO. DATE  
CADD FILE NAME

PLAN SURVEYED PLOTTED CHECKED  
NOTE BOOK NO. DATE  
CADD FILE NAME

F.A.I. RTE. 94	SECTION	COUNTY COOK	TOTAL SHEETS 907	SHEET NO. 249
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO. 1516.1.1717 & 1818		ILLINOIS FED. AID PROJECT R-9		62695



**TYLIN INTERNATIONAL**

8.30	8.34	8.56	8.79	8.66	8.96	8.81	8.10	9.23	9.35	10.27	10.42	10.58	9.73	10.73	9.85	10.89	9.98	11.04	10.10	10.23	10.35	11.24	10.48	11.28	10.60	11.32	10.73	11.36	10.85	11.40	10.98	11.45	11.08	11.49	11.15	11.53	11.18	11.57	11.18	11.61	11.13	11.05	10.93	10.78	10.58	10.35	10.08	9.78	9.45	9.13	8.80	8.48	8.15	7.83	7.50	7.18	6.85	6.53	6.20
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

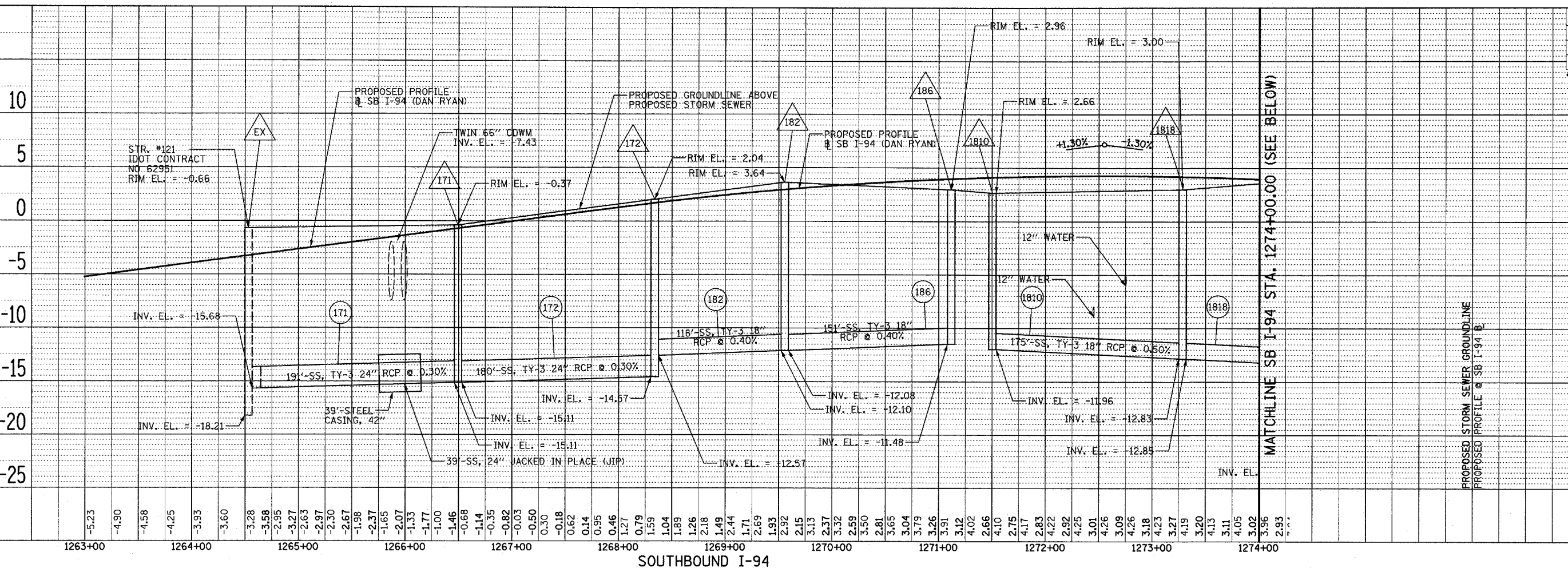
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DATE: MARCH 25, 2005

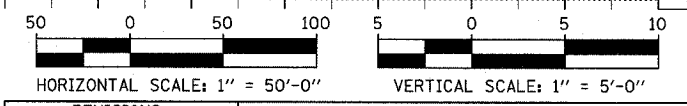
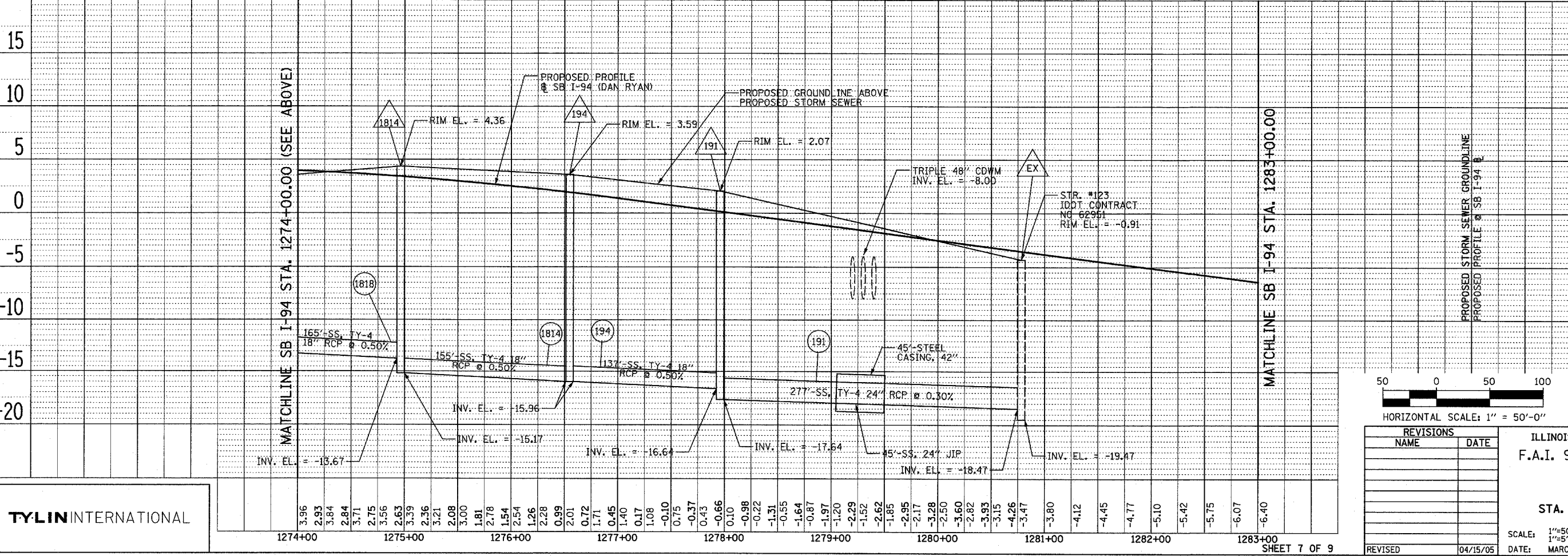
DRAWN BY: NSB  
CHECKED BY: DA

REVISIONS: 04/15/05



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	250

STA. 1200+00.00 TO STA. 1365+00  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
\*(1516,1717 & 1818) R-9 62695



REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
DRAINAGE PROFILES  
SB I-94  
STA. 1265+00.00 TO 1283+00.00

SCALE: 1"=50' HORIZ.  
1"=5' VERT.  
DATE: MARCH 25, 2005

DRAWN BY: NSB  
CHECKED BY: DA

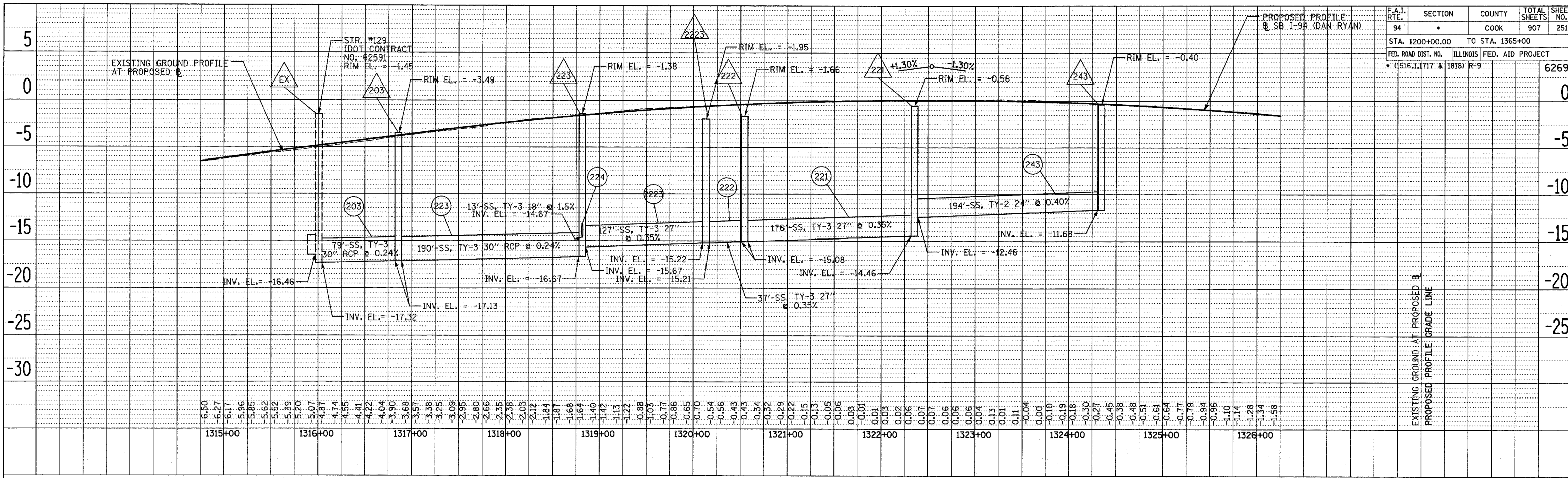
TYLIN INTERNATIONAL

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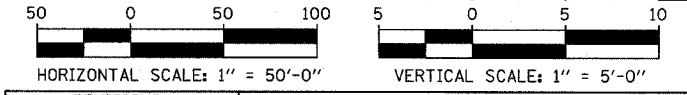
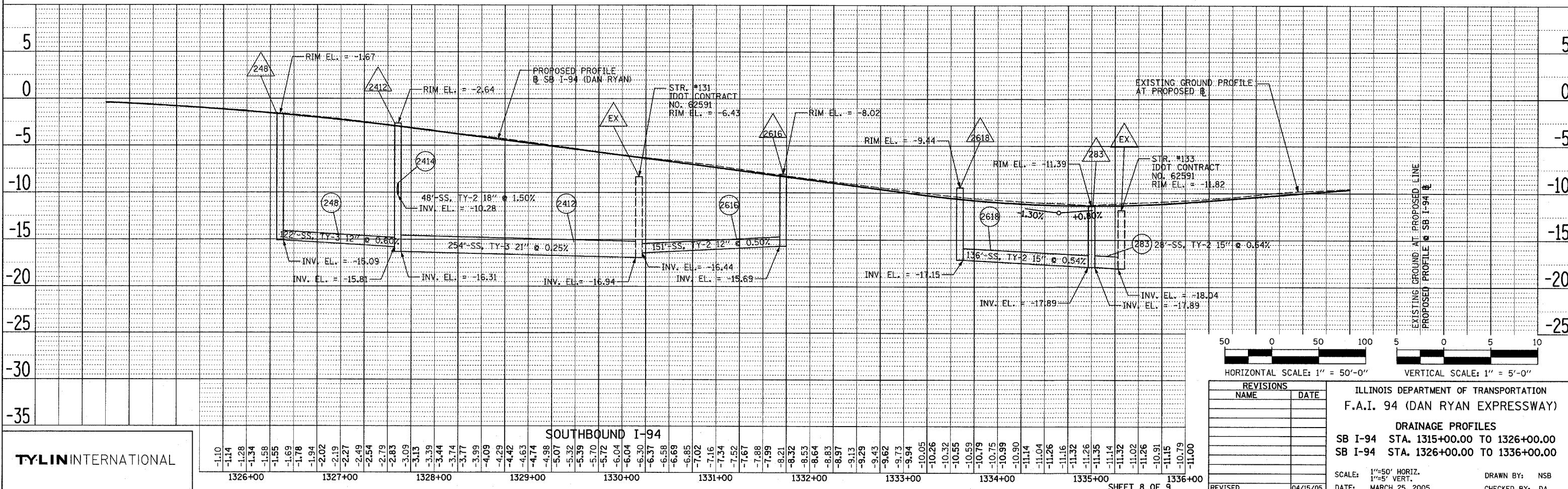
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	907	251
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(1516, 1717 & 1818) R-9			62695	

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 PLOTTED \_\_\_\_\_  
 ALL DIMENSIONS CHECKED \_\_\_\_\_  
 PLAN \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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 ALL DIMENSIONS CHECKED \_\_\_\_\_  
 PLAN \_\_\_\_\_  
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**TYLIN INTERNATIONAL**

REVISIONS	
NAME	DATE

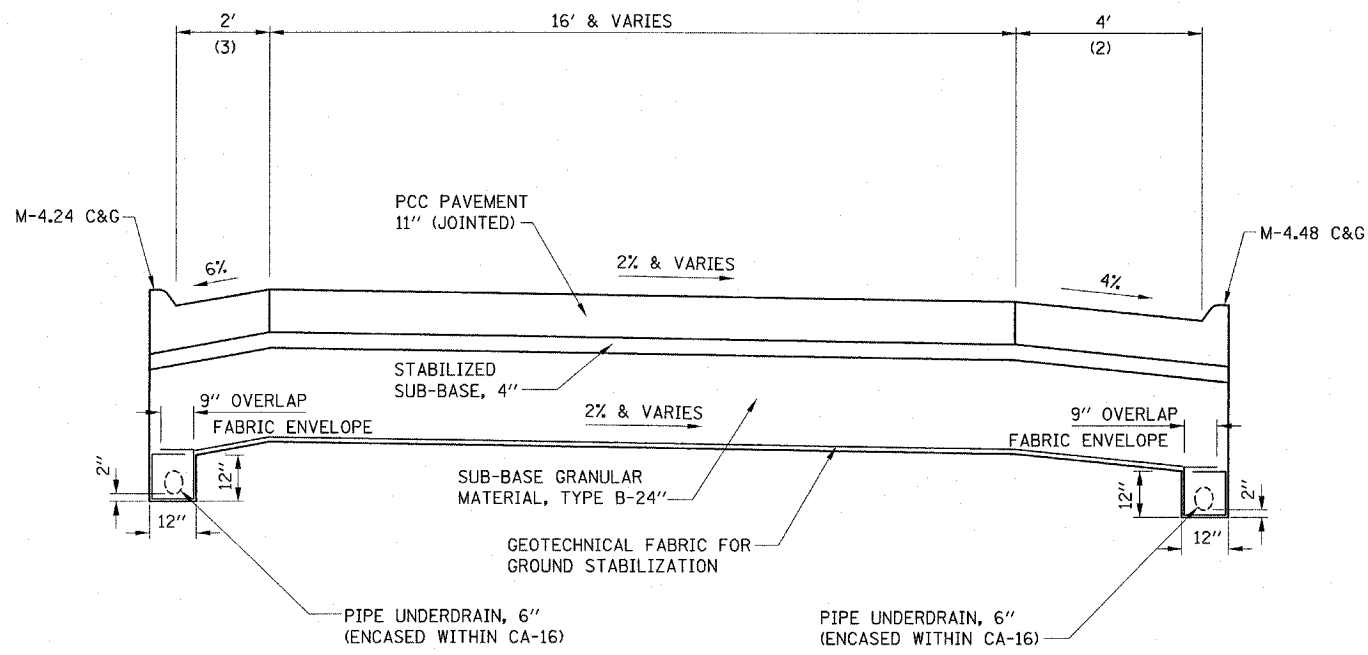
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**

**DRAINAGE PROFILES**  
 SB I-94 STA. 1315+00.00 TO 1326+00.00  
 SB I-94 STA. 1326+00.00 TO 1336+00.00

SCALE: 1"=50' HORIZ.  
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 DATE: MARCH 25, 2005

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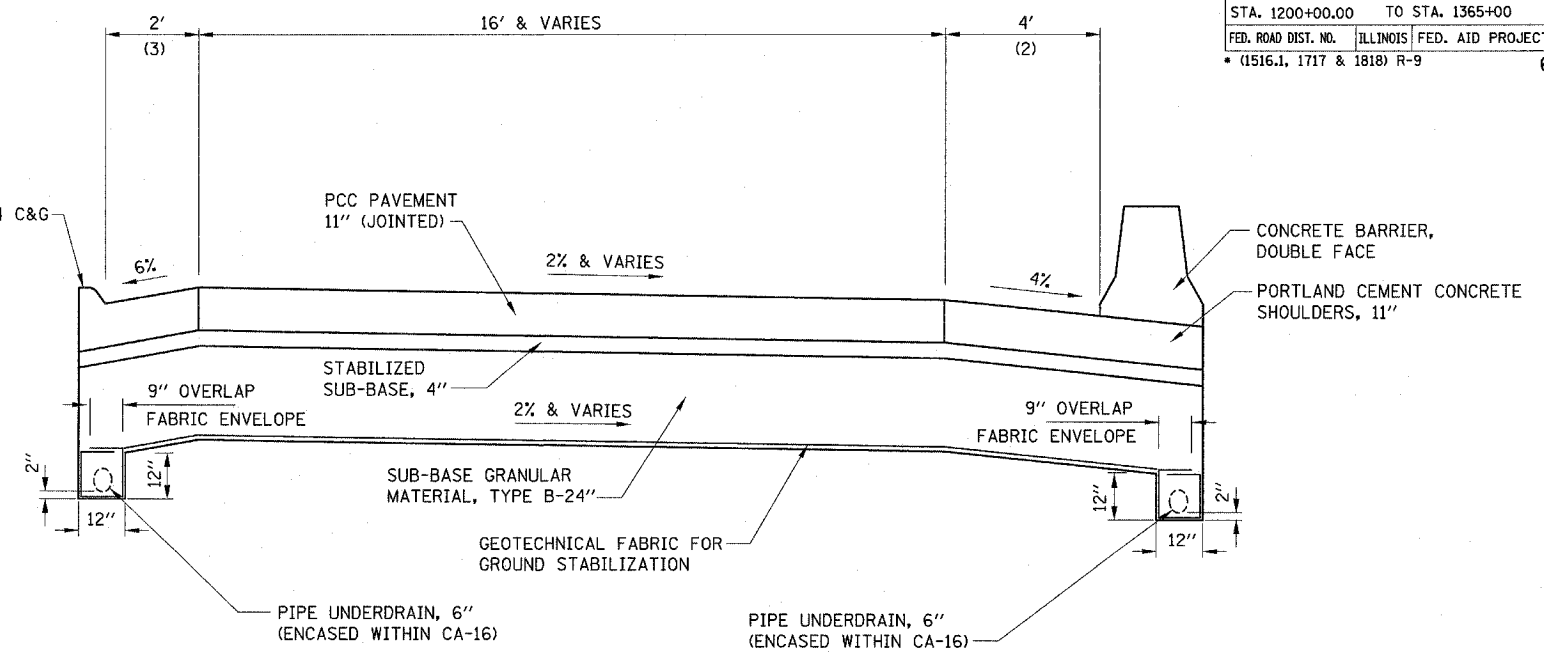




**PIPE UNDERDRAINS ALONG RAMPS**

NOTES:

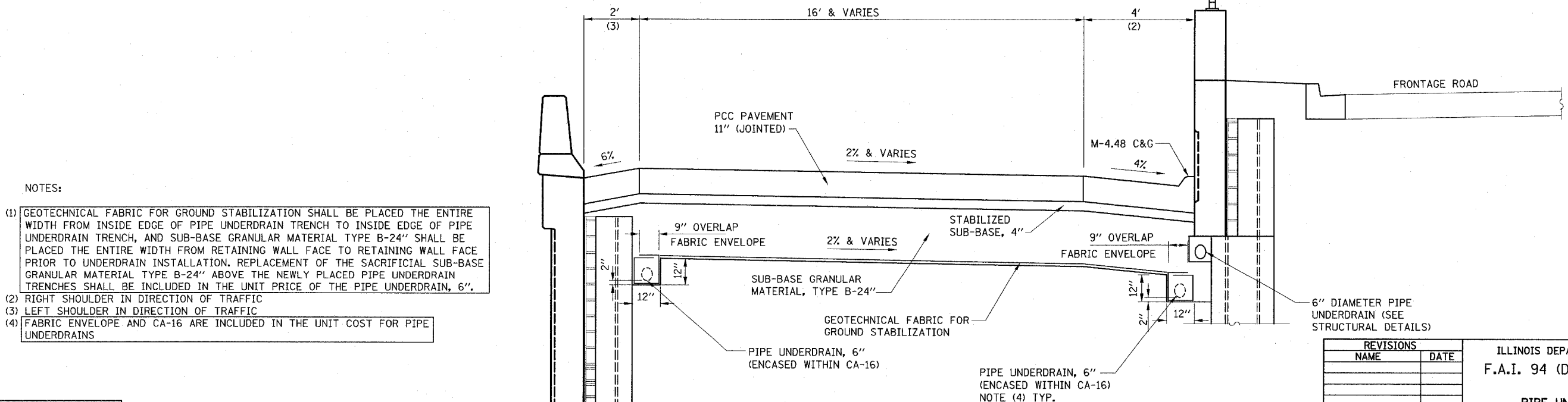
- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM BACK-OF-CURB TO BACK-OF-CURB PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF THE SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
- (2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
- (3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
- (4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS



**PIPE UNDERDRAINS ALONG RAMPS WITH BARRIER WALL**

NOTES:

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM BACK-OF-CURB TO BACK-OF-BARRIER WALL PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
- (2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
- (3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
- (4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS.



**PIPE UNDERDRAINS ALONG RAMPS WITH RETAINING WALLS**

NOTES:

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED THE ENTIRE WIDTH FROM INSIDE EDGE OF PIPE UNDERDRAIN TRENCH TO INSIDE EDGE OF PIPE UNDERDRAIN TRENCH, AND SUB-BASE GRANULAR MATERIAL TYPE B-24" SHALL BE PLACED THE ENTIRE WIDTH FROM RETAINING WALL FACE TO RETAINING WALL FACE PRIOR TO UNDERDRAIN INSTALLATION. REPLACEMENT OF THE SACRIFICIAL SUB-BASE GRANULAR MATERIAL TYPE B-24" ABOVE THE NEWLY PLACED PIPE UNDERDRAIN TRENCHES SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE UNDERDRAIN, 6".
- (2) RIGHT SHOULDER IN DIRECTION OF TRAFFIC
- (3) LEFT SHOULDER IN DIRECTION OF TRAFFIC
- (4) FABRIC ENVELOPE AND CA-16 ARE INCLUDED IN THE UNIT COST FOR PIPE UNDERDRAINS

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REVISED	04/15/05

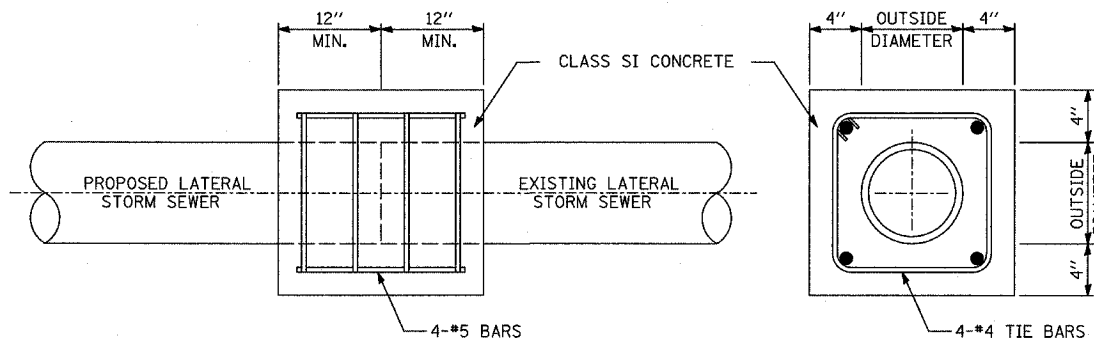
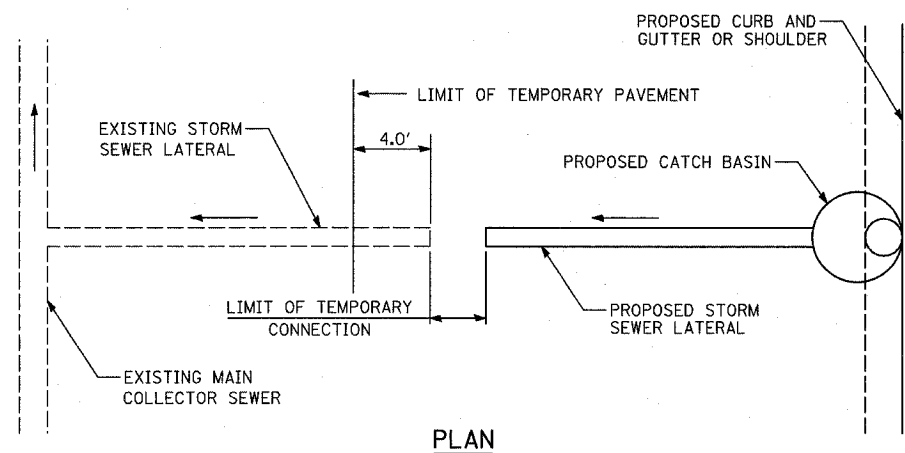
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

PIPE UNDERDRAINS ALONG  
RAMPS DETAILS

SCALE: NONE DRAWN BY: BBA  
DATE: MARCH 25, 2005 CHECKED BY: TYLI





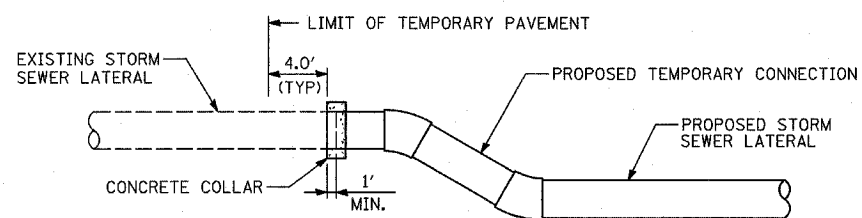


THE PROPOSED CONCRETE COLLAR SHALL OVERLAP EACH STORM SEWER PIPE A MINIMUM OF 1 FOOT.

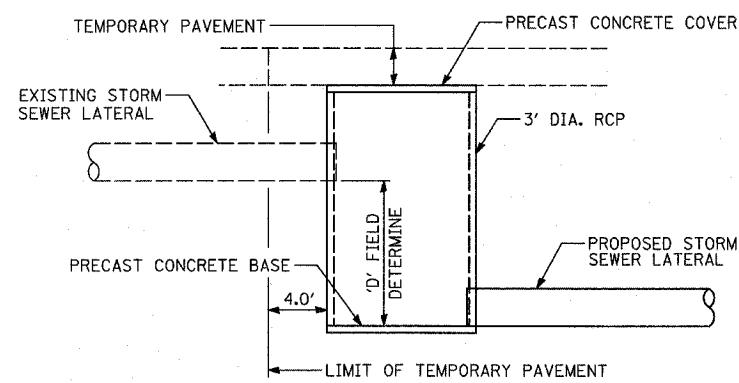
### CLASS SI CONCRETE COLLAR

#### NOTES:

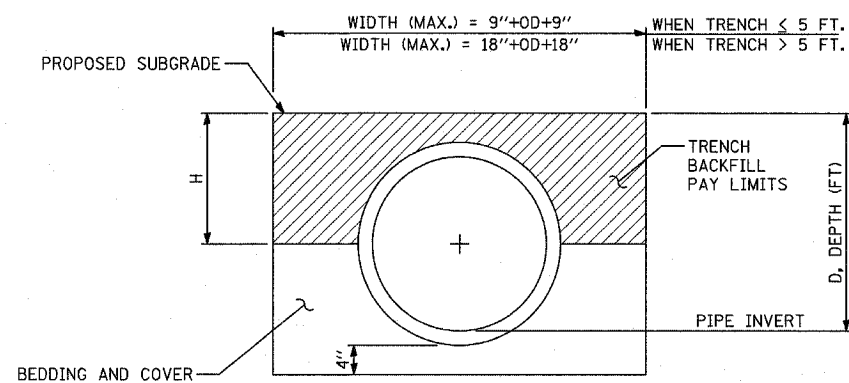
- IN ORDER TO MAINTAIN CONTINUOUS DRAINAGE THROUGHOUT THE CONSTRUCTION AREA, TEMPORARY CONNECTIONS SHALL BE PROVIDED TO CONNECT PROPOSED STORM SEWER LATERALS TO THE EXISTING STORM SEWER LATERALS. THE CONTRACTOR SHALL CONSTRUCT THESE TEMPORARY CONNECTIONS IN ACCORDANCE WITH ONE OF THE TWO OPTIONS DETAILED ABOVE.
- THE TOTAL COST OF INSTALLING THE TEMPORARY CONNECTIONS IS NOT PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SEWER PAY ITEM.



D = DIFFERENCE IN INVERTS  
**PROFILE 1 (D ≤ 2')**  
(SEE NOTE 2)



**PROFILE 2 (D > 2')**  
(SEE NOTE 2)  
**PROPOSED TEMPORARY STORM SEWER CONNECTION DETAIL**



**TRENCH BACKFILL DETAIL**

REVISIONS	
NAME	DATE
REVISED	04/15/05

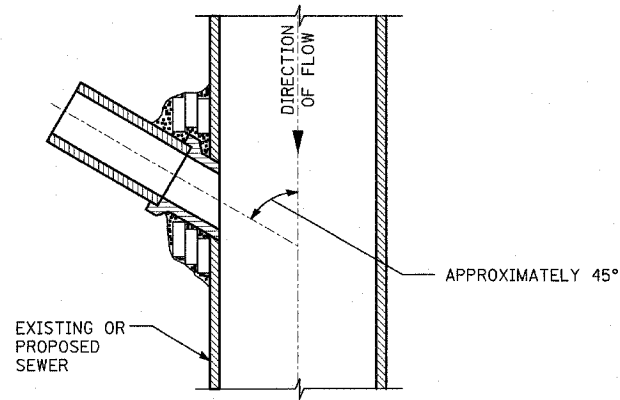
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

### DRAINAGE DETAILS SHEET 2 OF 3

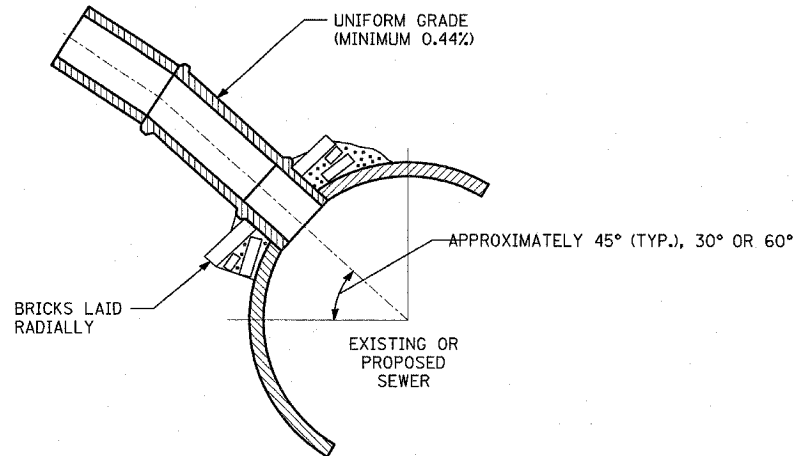
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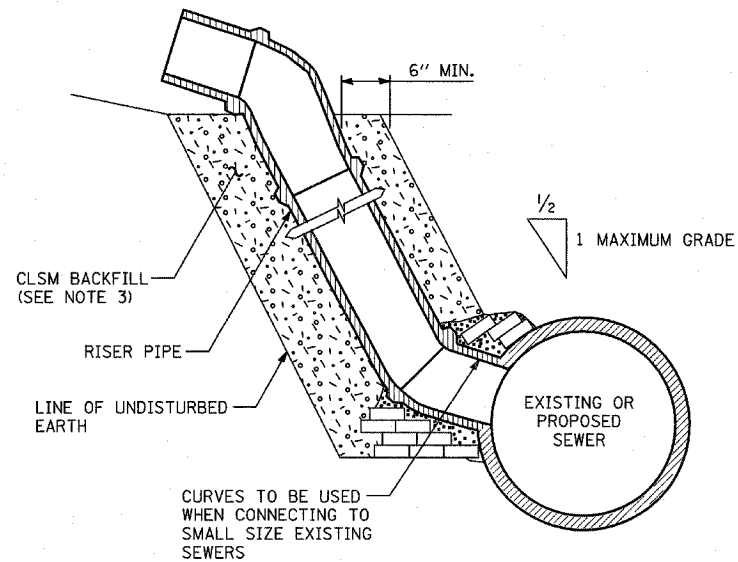




**PLAN VIEW  
DETAIL 1**



**SECTION VIEW  
DETAIL 2**



**SECTION VIEW  
DETAIL 3**

**DETAILS OF PROPOSED STORM SEWER CONNECTIONS  
TO EXISTING/PROPOSED SEWERS**

**NOTES:**

**DESCRIPTION:**

ALL CATCH BASIN CONNECTIONS SHALL BE 12 INCH STORM SEWER PIPE, UNLESS SHOWN OR SPECIFIED OTHERWISE ON PLAN SHEETS.

**CONSTRUCTION METHODS:**

1. CONNECTION TO PROPOSED STORM SEWER: WHERE A STORM SEWER CONNECTION IS TO BE MADE TO A PROPOSED STORM SEWER, A "Y" BRANCH SECTION OR A SECTION WITH AN OPENING MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED OF THE PROPER DIAMETER SHALL BE INSTALLED IN THE SEWER AT THE JUNCTION PROVIDING THE TYPE OF PIPE USED IS MANUFACTURED WITH "Y" BRANCHES OR WITH OPENING MADE IN THE PIPE.

THE JUNCTION OF THE PROPOSED STORM SEWER CONNECTION WITH THE PROPOSED STORM SEWER SHALL BE CONSTRUCTED AS FOLLOWS:

a. SIMILAR TO DETAIL 1 AND DETAIL 2 TO THE LEFT EXCEPT NO BRICK WILL BE REQUIRED IF SECTIONS WITH "Y" BRANCHES OR SECTIONS WITH OPENINGS MADE IN THE PIPE ARE USED.

b. SAME AS DETAIL 3 TO THE LEFT.

2. CONNECTION TO EXISTING SEWER: WHERE A STORM SEWER CONNECTION IS TO BE MADE TO AN EXISTING SEWER, A CIRCULAR OPENING SHALL BE MADE IN THE EXISTING SEWER OF THE SAME SIZE AS THE INTERNAL DIAMETER OF THE PROPOSED STORM SEWER CONNECTION.

IF THE EXISTING SEWER PIPE IS DAMAGED BY THE CONTRACTOR IN MAKING THIS CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THIS SECTION OF PIPE WITH A PIPE EQUAL TO AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER. THE CONTRACTOR SHALL DO THIS WORK IN A CAREFUL WORKMANLIKE MANNER WITHOUT EXTRA COMPENSATION.

THE JOINT BETWEEN THE EXISTING SEWER AND THE PROPOSED SEWER SHALL BE COMPLETELY SEALED WITH BRICK AS SHOWN ABOVE. BRICK GRADE SW, OR CONCRETE BUILDING BRICK GRADE A, SHALL BE LAID IN MORTAR THE SAME AS SPECIFIED FOR BRICK MASONRY UNDER ARTICLE 602.05 OF THE STANDARD SPECIFICATIONS.

3. ALL CLSM REQUIRED SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN SEWER PAY ITEM.

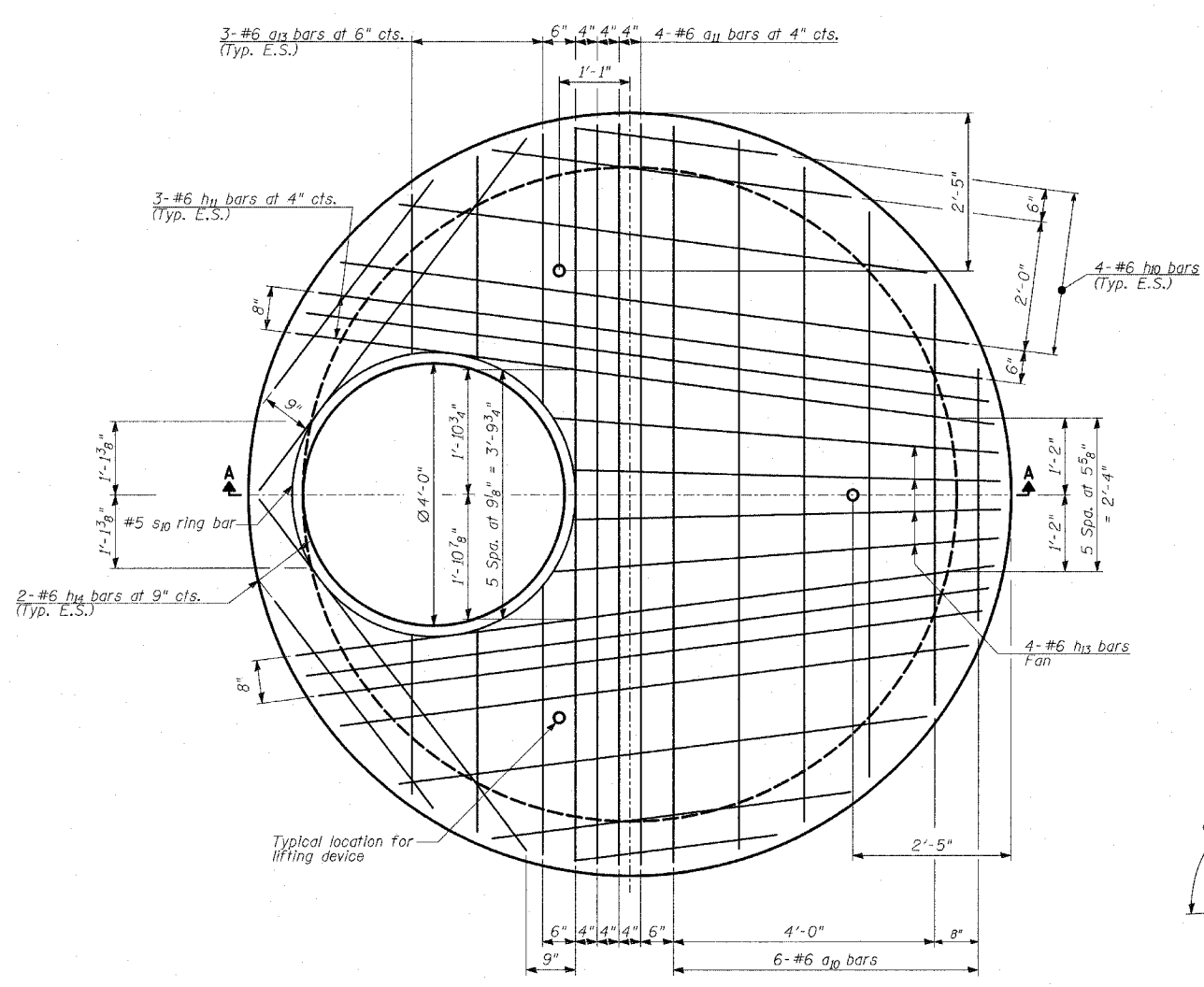
**BASIS OF PAYMENT.**

ALL FITTINGS SUCH AS ELBOWS AND CURVES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR STORM SEWER MEASURED IN PLACE.

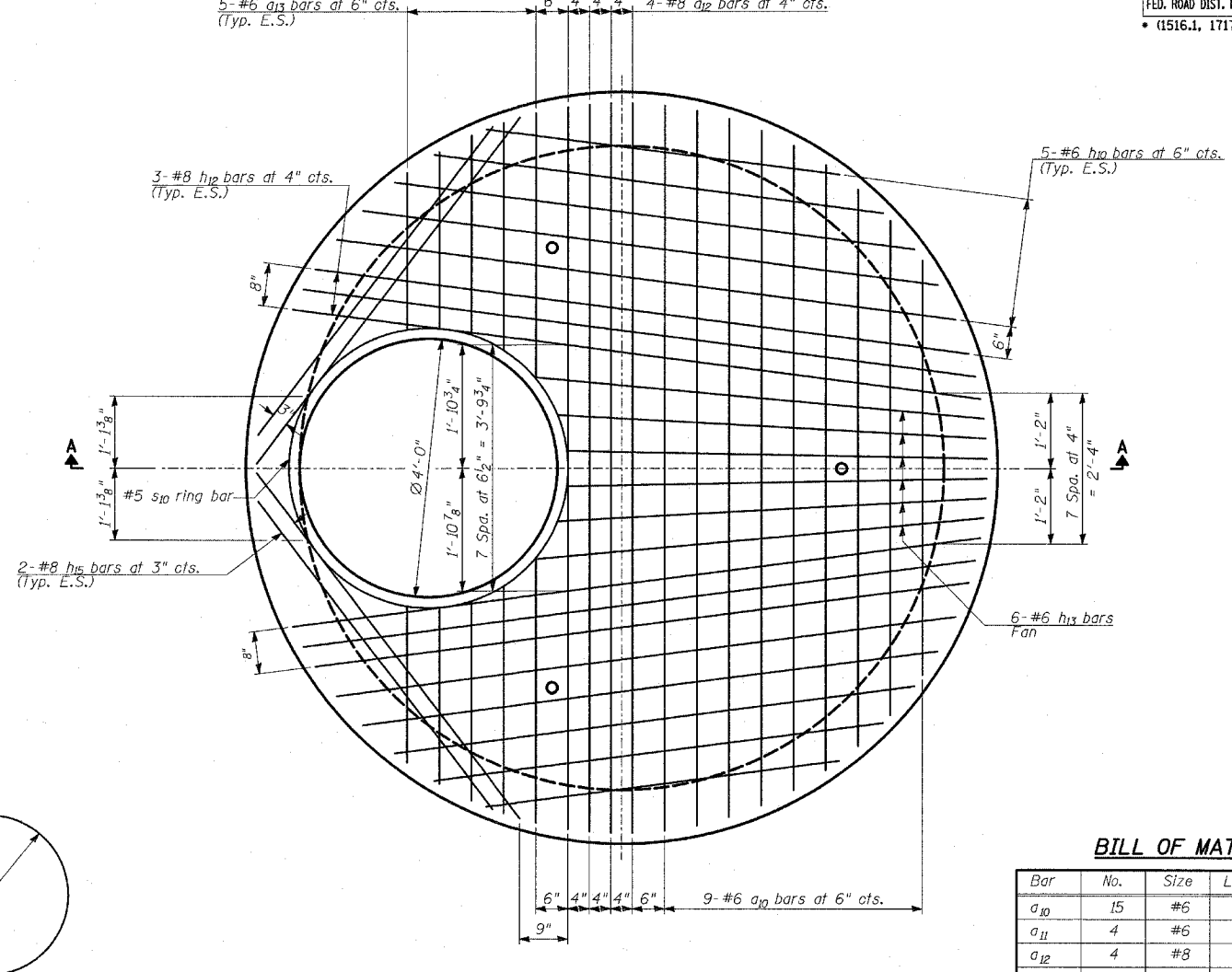
THE COST OF MAKING ALL JUNCTIONS WITH EXISTING OR PROPOSED SEWERS, MANHOLES OR CATCH BASINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR STORM SEWER.

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NAME	DATE
REVISION	04/15/05

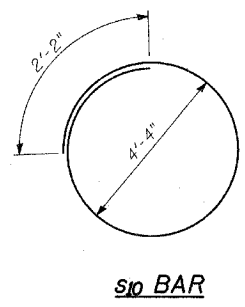




**ROOF SLAB - PLAN**  
(Top Reinforcement Bars)



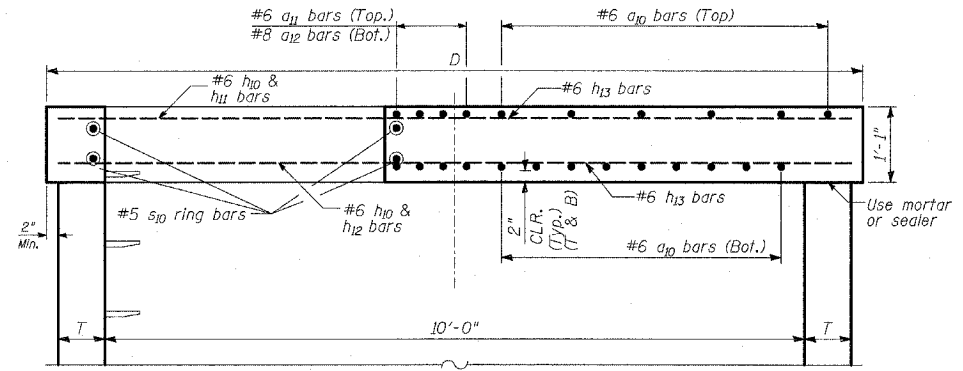
**ROOF SLAB - PLAN**  
(Bottom Reinforcement Bars)



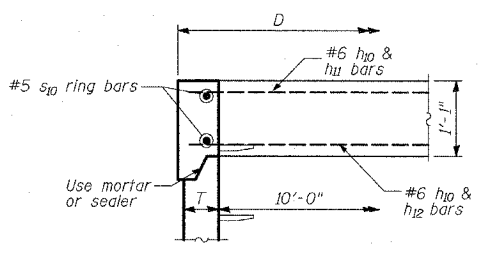
s10 BAR

**BILL OF MATERIAL**

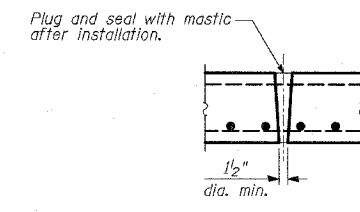
Bar No.	Size	Length	Shape
a10	15	#6	11'-3"
a11	4	#6	11'-4"
a12	4	#8	11'-4"
a13	16	#6	4'-2"
h10	18	#6	9'-8"
h11	6	#6	10'-9"
h12	6	#8	10'-9"
h13	10	#6	7'-0"
h14	4	#6	6'-9"
h15	4	#8	6'-9"
s10	2	#5	15'-9"
<b>Reinforcement Bars</b>	<b>POUND</b>	<b>1,330</b>	
<b>Concrete Structure</b>	<b>CU. YARD</b>	<b>3.89</b>	



**SECTION A-A**




**ALTERNATE JOINT CONFIGURATION**



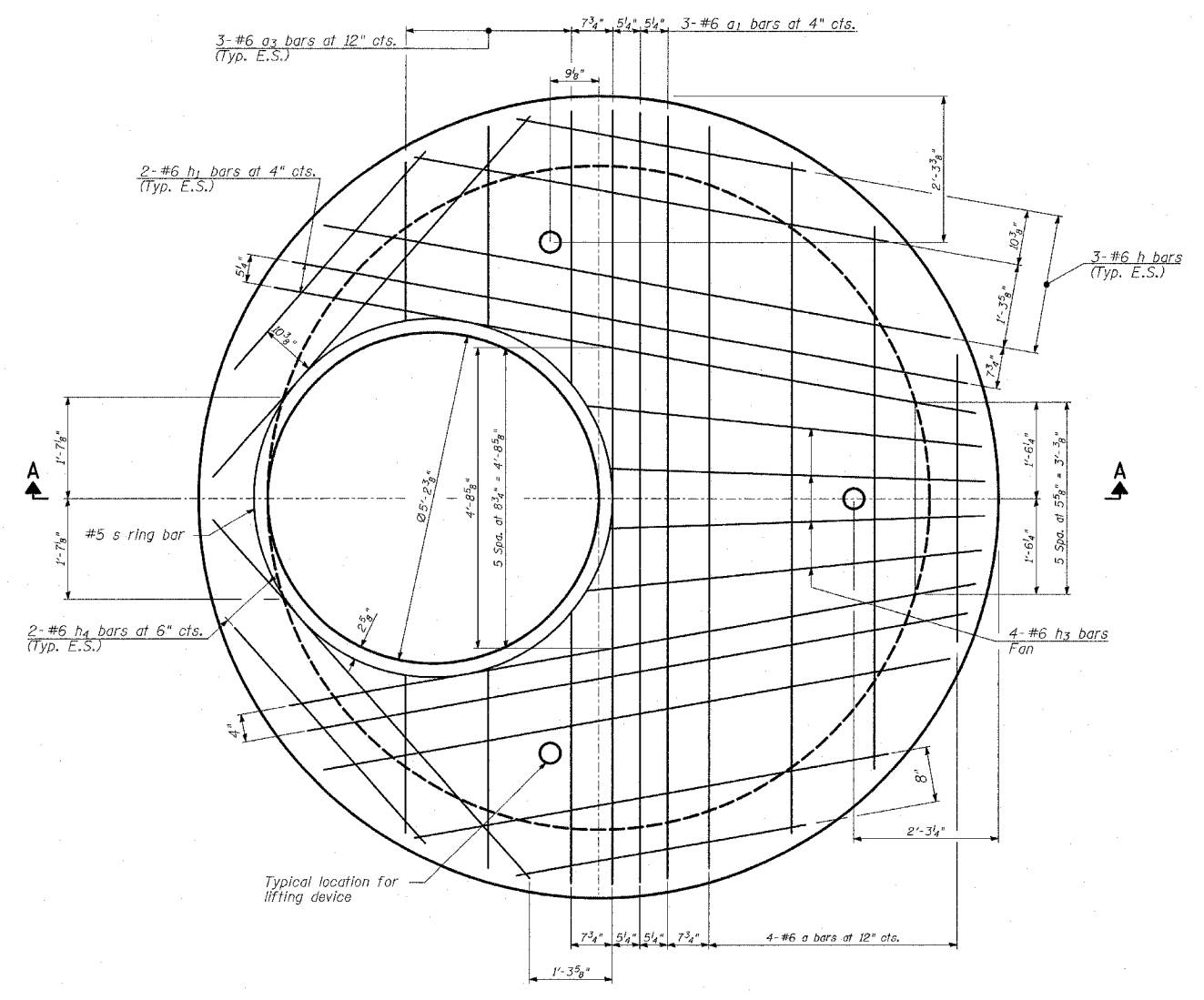
**LIFTING HOLE TYPICAL**  
(3 required per slab)

**NOTES:**

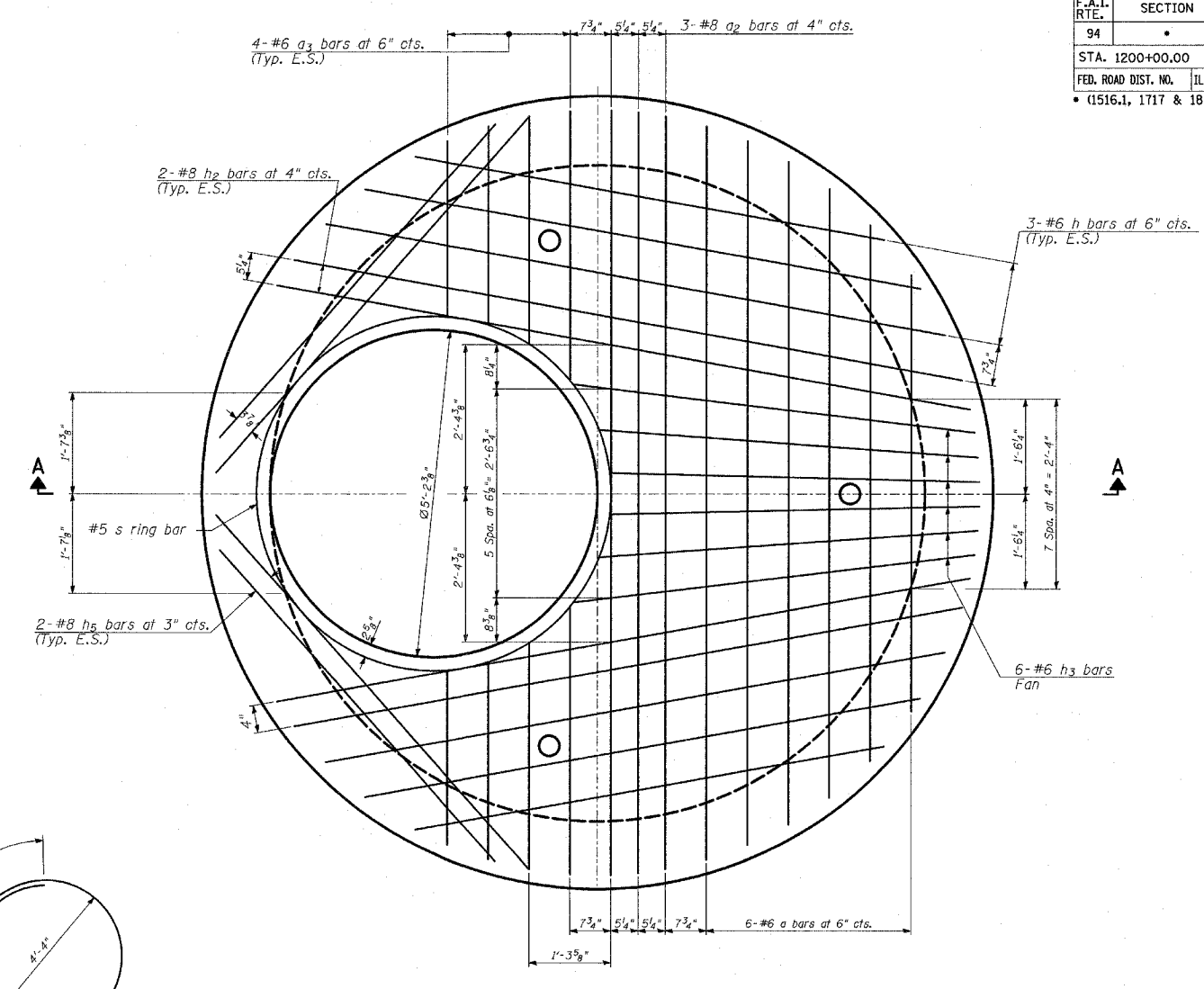
1. Bar lengths are based on a wall thickness "T" of 8". Any changes on wall thickness will require modifications to the bar lengths.
2. Bars to be cut as needed.
3. Precast flat slab top shall conform to articles 505.01 thru 505.05 of Standard Specifications except that the concrete strength shall be 3500 psi after 28 days. Reinforcement bars shall conform to the requirements of article 1006.10. Only Grade 60 reinforcement bars will be permitted.
4. Joint Configuration and dimensions of flat slab top shall match and fit the riser joint detail.
5. Lifting devices shall be approved by the Engineer.
6. Quantities for "Reinforcement Bars" and "Concrete Structures" are shown for constructibility purposes only and shall not be paid for separately.


 Signed Phillip D. Frey, S.E. II, Lic. No. 081-004826 For drawings 1 thru \_\_\_\_\_  
 Expires 11-30-2006. Date \_\_\_\_\_

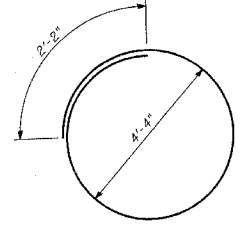
REVISIONS	
NAME	DATE



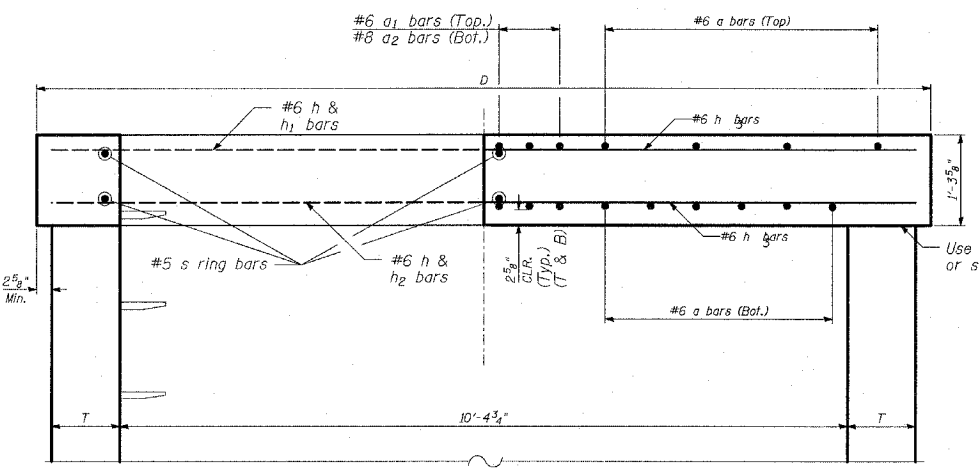
**ROOF SLAB - PLAN**  
(Top Reinforcement Bars)



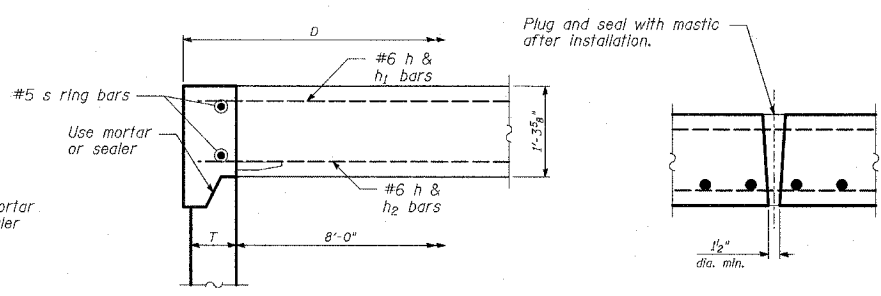
**ROOF SLAB - PLAN**  
(Bottom Reinforcement Bars)



**BAR s**



**SECTION A-A**



**ALTERNATE JOINT CONFIGURATION**

**LIFTING HOLE TYPICAL**  
(3 required per slab)

**NOTES:**

1. Bar lengths are based on a wall thickness "T" of 8". Any changes on wall thickness will require modifications to the bar lengths.
2. Bars to be cut as needed.
3. Precast flat slab top shall conform to articles 505.01 thru 505.05 of Standard Specifications except that the concrete strength shall be 3500 psi after 28 days. Reinforcement bars shall conform to the requirements of article 1006.10. Only Grade 60 reinforcement bars will be permitted.
4. Joint Configuration and dimensions of flat slab top shall match and fit the riser joint detail.
5. Lifting devices shall be approved by the Engineer.
6. Quantities for "Reinforcement Bars" and "Concrete Structures" are shown for constructibility purposed only and shall not be paid for separately.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	10	#6	8'-11"	
a <sub>1</sub>	3	#6	9'-4"	
a <sub>2</sub>	3	#8	9'-4"	
a <sub>3</sub>	14	#6	3'-3"	
h	12	#6	7'-8"	
h <sub>1</sub>	4	#6	8'-7"	
h <sub>2</sub>	4	#8	8'-7"	
h <sub>3</sub>	10	#6	4'-11"	
h <sub>4</sub>	4	#6	5'-10"	
h <sub>5</sub>	4	#8	5'-10"	
s	2	#5	15'-9"	○
Reinforcement Bars			POUND	810
Concrete Structure			CU. YARD	2.25

STATE OF ILLINOIS  
PHILLIP D. FREY  
081-004826  
CHICAGO, ILLINOIS  
REGISTERED PROFESSIONAL ENGINEER  
Signed: Phillip D. Frey, S.E. II, Lic. No. 081-004826 Expires 11-30-2006. For drawings thru Date:

REVISIONS	NAME	DATE
REVISED		04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
**PRECAST REINFORCED CONCRETE  
FLAT SLAB TOP - 8' DIAMETER**

S.N. DESIGNED BY: TD  
SCALE: DRAWN BY: SNB  
DATE: MARCH 25, 2005 CHECKED BY: MI









**DRAINAGE STRUCTURE SCHEDULE (CONT.)**

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH	CB							
1614	1253+57.39	134.4 LT		A(1)	4'	T1F OL	6.49		1.24	1.24	
1615	7199+87.51	7.6 LT	A		4'	T1F CL	5.96	-2.20	0.38(N)	-3.74	
1616	7202+15.88	8.2 LT	A		4'	T1F CL	5.13	-5.95	-0.45	-5.95	-0.45
171	1266+49.44	77.1 LT	A		5'	T1F CL	-0.37	-15.11		-15.11	
172	1268+33.87	77.1 LT	A		5'	T1F CL	2.04	-12.57		-14.57	
173	7188+35.50	4.0 RT		A	4'	T20 F&G	7.92		2.67		
174	7188+35.50	18.0 LT		A	4'	T20 F&G	7.96		2.60		2.60
181	7184+40.45	26.0 RT		A	4'	T20 F&G	2.32	-2.93			
182	1269+55.73	76.9 LT	A		4'	T1F CL	3.64	-12.08		-12.10	-1.94
183	7186+10.28	18.0 LT		A	4'	T20 F&G	4.19		-1.48		-1.48
184	7184+47.97	18.0 LT		A	4'	T20 F&G	3.15		-2.10		
185	NOT USED										
186	1271+11.70	76.6 LT	A		4'	T1F CL	2.96	-2.62		-11.48	-2.62
187	7184+30.49	26.9 RT		A	4'	T20 F&G	2.31	-2.96	-2.96	-2.96	
188	7184+20.52	27.7 RT		A	4'	T20 F&G	2.32			-2.93	
189	NOT USED										
1810	1271+50.27	109.4 LT	A		4'	T1F CL	2.66	-11.96			-3.02
1811	NOT USED										
1812	NOT USED										
1813	NOT USED										
1814	1274+96.33	80.8 LT	A		4'	T1F CL	4.36	-15.17	-3.26	-13.67	
1815	1274+96.28	73.2 LT		A	4'	T20 F&G	2.86		-3.23		-3.23
1816	7182+35.74	41.8 RT		A	4'	T20 F&G	2.39			-2.86	
1817	7182+46.15	42.5 LT		A	4'	T20 F&G	2.37	-2.89	-2.89		
1818	1273+28.51	94.5 LT	A		4'	T1F CL	3.00	-12.85		-12.83	-2.99
1819	NOT USED										
1820	NOT USED										
1821	1274+96.27	60.8 LT		PLUG							-3.19
1822	NOT USED										
1823	7186+10.28	4.0 RT		A	4'	T20 F&G	3.83		-1.42		
1824	NOT USED										
1825	1271+92.45	70.7 LT		A	4'	T1F OL	3.42			-1.83	
191	1277+95.79	77.0 LT	A		5'	T1F CL	2.07	-17.64		-16.64	
192	1276+04.66	69.2 LT		C	2'	T20 F&G	2.01				-3.24
194	1276+54.86	78.6 LT	A		4'	T1F CL	3.59	-15.96		-15.96	
201	7519+46.70	11.5 LT	A		4'	T1F CL	8.42	-4.28		2.84	
202	7517+66.06	8.0 LT	A		6'	T1F CL	6.50	-8.93	-0.33(N)	-6.93	-0.33
202								INVERT OF PIPE 2019			-0.33
203	1316+86.54	85.1 LT	A		5'	T1F CL	-3.49	-17.13	-10.32(N)	-17.13	
204	7519+52.20	17.7 LT		A	4'	T20 F&G	8.28	3.03		3.03	
205	7517+77.71	8.0 RT		A(1)	4'	T20 F&G	7.96	2.71			
206	7517+62.71	8.0 RT		A(1)	4'	T20 F&G	7.63	2.38	2.38	2.38	
207	7517+47.71	8.0 RT		A(1)	4'	T20 F&G	7.96			2.71	
208	7518+26.15	18.1 LT		A	4'	T20 F&G	7.74				2.49
209	7517+24.00	4.0 RT		A	4'	T20 F&G	5.13	-0.12			
2010	7517+21.96	16.0 LT		A	4'	T20 F&G	5.12				-0.13
2011	1317+07.79	74.6 LT		A	4'	T20 F&G	-5.07		-10.32	-10.32	
2012	1317+07.78	64.6 LT		PLUG					-10.28		
2013	NOT USED										
2014	7520+44.20	17.7 LT		A	4'	T20 F&G	8.64	3.39			
2015	7519+98.20	17.7 LT		A	4'	T20 F&G	8.46	3.21		3.21	
2016	7519+08.04	18.0 LT		A	4'	T20 F&G	8.06	2.81			
2017	7518+63.32	18.0 LT		A	4'	T20 F&G	7.87			2.62	2.62
2018	7517+74.47	18.0 LT		A	4'	T20 F&G	6.55				0.55

**STORM SEWER SCHEDULE (CONT.)**

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
171	1266+49.44	1264+64.18	3	24	191.0	0.30	522.6
172	1268+33.87	1266+49.44	3	24	180.0	0.30	0.0
173	7188+35.50	7188+35.50	2	12	14.0	0.50	14.2
174	7188+35.50	1267+34.57	2	12	41.0	40.39	2.7
181	7184+40.45	7184+30.49	2	12	6.0	0.44	6.1
182	1269+55.73	1268+33.87	3	18	118.0	0.40	0.0
183	7186+10.28	1269+55.73	2	12	17.0	2.71	2.6
184	7184+47.97	1271+11.70	2	12	6.0	8.66	6.1
185	NOT USED	-	-	-	-	-	-
186	1271+11.70	1269+55.73	3	18	151.0	0.40	0.0
187	7184+30.49	1271+50.27	2	12	13.0	0.44	13.2
188	7184+20.52	7184+30.49	2	12	6.0	0.44	6.1
189	NOT USED	-	-	-	-	-	-
1810	1271+50.27	1273+28.51	3	18	175.0	0.50	393.6
1811	NOT USED	-	-	-	-	-	-
1812	NOT USED	-	-	-	-	-	-
1813	NOT USED	-	-	-	-	-	-
1814	1274+96.33	1276+54.86	4	18	155.0	0.50	0.0
1815	1274+96.28	1274+96.33	2	12	6.0	0.44	3.0
1816	7182+35.74	7182+46.15	2	12	7.0	0.44	7.1
1817	7182+46.15	1273+28.51	2	12	24.0	0.44	24.4
1818	1273+28.51	1274+96.33	4	18	165.0	0.50	219.6
1819	NOT USED	-	-	-	-	-	-
1820	NOT USED	-	-	-	-	-	-
1821	1274+96.27	1274+96.28	2	12	8.0	0.44	8.1
1822	NOT USED	-	-	-	-	-	-
1823	7186+10.28	7186+10.28	2	12	14.0	0.44	14.2
1824	NOT USED	-	-	-	-	-	-
1825	1271+92.45	1271+11.70	2	12	77.0	1.03	61.2
191	1277+95.79	1280+89.06	4	24	277.0	0.30	665.2
192	1276+04.66	1276+04.71	2	12	21.0	0.44	21.4
194	1276+54.86	1277+95.79	4	18	137.0	0.50	0.0
201	7519+46.70	7518+17.64	3	12	125.0	1.50	191.4
202	7517+66.06	7517+12.95	3	18	49.0	1.50	95.9
203	1316+86.54	1316+12.93	3	30	79.0	0.24	0.0
204	7519+52.20	7519+46.70	2	12	3.0	6.26	3.1
205	7517+77.71	7517+62.71	2	12	11.0	3.00	11.2
206	7517+62.71	7517+66.06	2	12	14.0	19.38	14.2
207	7517+47.71	7517+62.71	2	12	11.0	3.00	11.2
208	7518+26.15	7518+17.64	2	12	8.0	3.00	8.1
209	7517+24.00	7517+12.95	2	12	11.0	4.00	11.2
2010	7517+21.96	7517+12.95	2	12	8.0	5.38	8.1
2011	1317+07.79	1316+86.54	2	12	20.0	0.44	20.3
2012	1317+07.78	1317+07.79	2	12	8.0	0.44	8.1
2013	NOT USED	-	-	-	-	-	-
2014	7520+44.20	7519+98.20	2	12	42.0	0.44	42.7
2015	7519+98.20	7519+52.20	2	12	42.0	0.44	42.7
2016	7519+08.04	7518+63.32	2	12	42.0	0.45	42.7
2017	7518+63.32	7518+57.86	2	12	13.0	0.44(5)	13.2
2018	7517+74.47	7517+66.06	2	12	7.0	12.57	7.1
2019	7517+74.47	7517+66.06	2	12	9.0	12.33	9.2
2020	7518+17.64	7517+66.06	3	12	47.0	1.50	75.0
2021	7517+12.95	7515+27.93	3	18	182.0	1.50	303.4
221	1322+36.69	9462+67.17	3	27	176.0	0.35	390.5

**NOTES:**

- (1) INDICATES CATCH BASIN WITH HALF TRAP, 4' DIAMETER, TYPE 1 FRAME & OPEN LID OR TYPE 20 FRAME & GRATE.
- (2) INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
- (3) INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (4) INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (5) INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- (6) INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.

**CASING SIZES**

PIPE SIZE	CASING SIZE (OD)*	CASING WALL THICKNESS
12"	30"	0.500"
24"	42"	0.625"
30"	48"	0.688"
36"	48"	0.688"

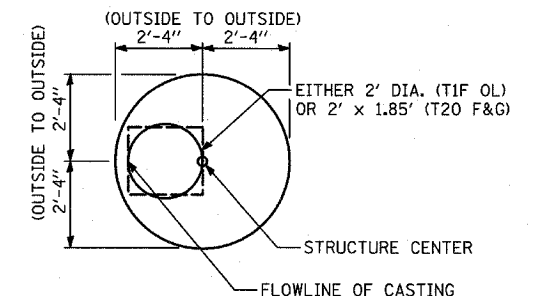
\*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.

CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)

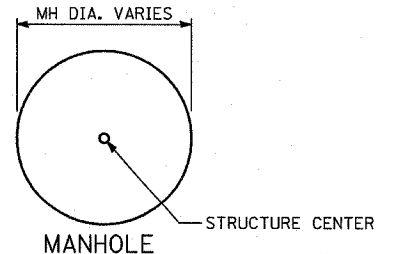
FLOWLINE OF CASTING IS LOCATED AT 1/2 OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



**CATCH BASIN**

(PRECAST REINFORCED CONCRETE SECTION)

MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



**MANHOLE**

REVISIONS	
NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**F.A.I. 94 (DAN RYAN EXPRESSWAY)**

**DRAINAGE SCHEDULE**  
**PROPOSED STRUCTURES**  
**PROPOSED STORM SEWERS**

SCALE: NONE      DRAWN BY: NB  
 DATE: MARCH 25, 2005      CHECKED BY: DA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	263
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-9		62695		

### DRAINAGE STRUCTURE SCHEDULE (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH	CB							
2019	7517+74.47	4.0 RT		A	4'	T20 F&G	6.78		0.78		
2020	7518+17.64	7.5 LT	A		4'	T1F CL	7.86	-6.23	2.25	-6.16	
2021	7517+12.95	8.0 LT	A		4'	T1F CL	4.95	-9.73	-0.56(N)	-9.67	-0.56(S)
221	1322+36.69	76.6 LT	A		5'	T1F CL	-0.56	-12.46		-14.46	-7.39
222	9462+67.17	10.0 RT	A		5'	T1F CL	-1.66	-15.08	-8.49	-15.08	-8.49
223	1318+82.71	91.3 LT	A		5'	T1F CL	-1.38	-15.67	-8.21(S)	-16.67	-14.67
224	7515+27.93	8.0 LT	A		4'	T1F CL	-0.22		-14.46	-12.46	-5.91
225	7515+28.04	4.0 RT		A	4'	T20 F&G	-0.63		-5.88		
226	7515+91.86	18.0 LT		A	4'	T20 F&G	1.25				-4.00
227	7513+79.75	4.0 RT		A	4'	T20 F&G	-2.20	-7.45			
228	7513+69.75	4.0 RT		A	4'	T20 F&G	-2.05	-7.48	-7.48	-7.48	
229	7513+59.75	4.0 RT		A	4'	T20 F&G	-2.20			-7.45	
2210	7512+27.09	4.0 RT		A	4'	T20 F&G	-1.60		-6.85		
2211	9460+77.65	2.0 LT		A	4'	T20 F&G	-1.25		-7.21		-7.21
2212	1320+55.69	63.0 LT		A	4'	T20 F&G	-0.77				-6.01
2213	7513+89.06	18.0 LT		A	4'	T20 F&G	-1.29	-7.17	-7.17		
2214	9462+99.99	2.0 LT		A	4'	T20 F&G	-1.75				-7.00
2215	1318+70.56	73.6 LT	PLUG						-3.54		
2216	1318+70.66	85.6 LT		A	4'	T20 F&G	-3.58		-8.83		-8.83
2217	NOT USED										
2218	7514+49.02	4.0 RT		A	4'	T20 F&G	-1.81		-7.06		
2219	7513+69.99	20.4 LT		A	4'	T20 F&G	-1.85				-7.10
2220	7512+97.99	4.0 RT		A	4'	T20 F&G	-1.95		-7.20		
2221	7511+68.99	4.0 RT		A	4'	T20 F&G	-1.30	-7.09	-7.09	-7.09	
2222	7511+10.82	4.0 RT		A	4'	T20 F&G	-1.01			-6.85	
2223	9463+08.17	13.9 RT	A		5'	T1F CL	-1.95	-15.21	-8.78	-15.22	-8.78
241	7505+61.18	7.6 LT	A		4'	T1F CL	2.25	-8.07	-3.33	-8.07	-4.35
242	1324+31.38	63.0 LT		A	4'	T20 F&G	-0.56				-5.81
243	1324+35.40	77.2 LT	A		5'	T1F CL	-0.40	-6.10	-5.98	-11.68	-5.98
244	7509+53.76	26.0 LT		A	4'	T20 F&G	0.29			-5.58	-5.58
245	7509+53.76	4.0 RT		A	4'	T20 F&G	-0.23	-5.48	-5.48		
246	1325+02.59	76.8 LT	C		2'	T1F OL	-0.97				-5.82
247	1326+19.05	63.0 LT		A	4'	T20 F&G	-1.96				-7.24
248	1326+35.39	81.4 LT	A		4'	T1F CL	-1.67	-15.09		-7.34	-7.34
249	9457+52.51	2.0 LT		A	4'	T20 F&G	0.07		-5.18		-5.18
2410	7507+79.65	4.0 RT		A	4'	T20 F&G	0.64		-5.12		
2411	1327+48.33	76.6 LT	C		2'	T1F OL	-3.24		-8.09		
2412	1327+60.84	81.5 LT	DROP		7'	T1F CL	-2.64	-16.31	-9.47(S)	-15.81	-10.28
2412	NOT USED										-9.47
2413	7506+69.65	4.0 RT		A	4'	T20 F&G	1.19	-4.06			
2414	7506+48.09	8.0 LT	A		4'	T1F CL	1.30	-9.31	-9.56	-4.28	
2415	1328+11.32	63.0 LT		A	4'	T20 F&G	-4.10				-9.35
2416	7510+32.50	4.0 RT		A	4'	T20 F&G	-0.62		-5.87		
2417	7508+67.00	4.0 RT		A	4'	T20 F&G	0.21			-5.04	
2418	9456+32.00	2.0 LT		A	4'	T20 F&G	0.45	-4.82			
261	7505+54.25	4.0 RT		A	4'	T20 F&G	2.35		-2.90		
262	7505+54.25	18.0 LT		A	4'	T20 F&G	2.07		-4.32		-4.32
263	9455+28.12	20.0 RT		A	4'	T20 F&G	0.95				-4.30
264	NOT USED										
265	7504+65.60	4.0 RT		A	4'	T20 F&G	-4.37		-0.88		
266	1330+05.21	63.0 LT		A	4'	T20 F&G	-6.49				-11.74
267	9453+76.20	2.0 LT		A	4'	T20 F&G	-2.57		-7.82		-7.82
268	9453+75.76	20.0 RT		A	4'	T20 F&G	-2.10		-7.35		
269	7503+41.21	6.8 LT	A		4'	T1F CL	6.32	0.68	0.68	-4.89	

### STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
222	9462+67.17	9463+08.17	3	27	37.0	0.35	67.0
223	1318+82.71	1316+86.54	3	30	190.0	0.24	388.1
224	7515+27.93	1318+82.71	3	18	13.0	1.50	47.6
225	7515+28.04	7515+27.93	2	12	6.0	0.44	6.1
226	7515+91.86	7515+84.28	2	12	12.0	0.44(3)	12.2
227	7513+79.75	7513+69.75	2	12	6.0	0.44	6.1
228	7513+69.75	9462+67.17	2	12	31.0	3.28	31.5
229	7513+59.75	7513+69.75	2	12	6.0	0.44	6.1
2210	7512+27.09	7511+68.99	2	12	55.0	0.44	55.9
2211	9460+77.65	1322+36.69	2	12	8.0	2.25	5.1
2212	1320+55.69	9462+67.17	2	12	19.0	13.07	19.3
2213	7513+89.06	9463+08.17	2	12	11.0	14.64	11.2
2214	9462+99.99	9463+08.17	2	12	12.0	14.83	12.2
2215	1318+70.56	1318+70.66	2	12	8.0	0.44	8.1
2216	1318+70.66	1318+82.71	2	12	10.0	0.44	7.7
2217	NOT USED						
2218	7514+49.02	7514+50.19	2	12	30.0	0.44(3)	30.5
2219	7513+69.99	7513+89.06	2	12	16.0	0.44	16.3
2220	7512+97.99	7512+99.63	2	12	35.0	0.44(3)	35.6
2221	7511+68.99	9460+77.65	2	12	27.0	0.44	27.5
2222	7511+10.82	7511+68.99	2	12	54.0	0.44	54.9
2223	9463+08.17	1318+82.71	3	27	127.0	0.35	176.5
241	7505+61.18	7506+48.09	2	18	83.0	1.50	120.3
242	1324+31.38	1324+35.40	2	12	13.0	1.31	13.2
243	1324+35.40	1322+36.69	2	24	194.0	0.40	0.0
244	7509+53.76	1324+35.40	2	12	27.0	0.44	5.6
245	7509+53.76	7509+53.76	2	12	22.0	0.44	22.4
246	1325+02.59	1324+35.40	2	12	64.0	0.44	0.0
247	1326+19.05	1326+35.39	2	12	23.0	0.44	15.8
248	1326+35.39	1327+60.84	3	12	122.0	0.60	0.0
249	9457+52.51	1326+35.39	2	12	22.0	9.82	2.7
2410	7507+79.65	9457+52.51	2	12	24.0	2.37	24.4
2411	1327+48.33	1327+60.84	2	12	9.0	15.33	0.0
2412	1327+60.84	1330+17.82	3	21	254.0	0.25	0.0
2413	7506+69.65	7506+48.09	2	12	20.0	1.12	20.3
2414	7506+48.09	1327+60.84	2	18	48.0	1.50	36.0
2415	1328+11.32	1328+11.27	2	12	22.0	0.44(3)	11.8
2416	7510+32.50	1323+78.09	2	12	42.0	0.44(3)	29.1
2417	7508+67.00	7509+53.76	2	12	83.0	0.53	84.4
2418	9456+32.00	1327+60.84	2	12	25.0	18.68	2.9
261	7505+54.25	7505+61.18	2	12	8.0	5.42	8.1
262	7505+54.25	7505+61.18	2	12	7.0	0.44	7.1
263	9455+28.12	7505+54.25	2	12	5.0	0.44	5.1
264	NOT USED						
265	7504+65.60	7504+51.10	2	12	13.0	9.10	13.2
266	1330+05.21	1330+17.82	2	12	21.0	0.44	14.1
267	9453+76.20	1330+17.82	2	12	18.0	19.72	4.3
268	9453+75.76	9453+76.20	2	12	14.0	3.36	14.2
269	7503+41.21	7504+51.10	2	15	106.0	1.50	161.1
2610	7503+84.54	7503+84.58	2	12	11.0	0.44(5)	11.2
2611	1331+00.00	1329+93.84	2	12	9.0	0.44(3)	9.2
2612	7502+72.20	7503+09.33	2	12	34.0	0.88	34.6
2613	9452+06.08	9452+00.96	2	12	5.0	33.00	5.1
2614	9452+00.96	9452+00.96	2	12	14.0	0.44	14.2

- NOTES:**
- INDICATES CATCH BASIN WITH HALF TRAP, 4' DIAMETER, TYPE 1 FRAME & OPEN LID OR TYPE 20 FRAME & GRATE.
  - INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
  - INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.

**CASING SIZES**

PIPE SIZE	CASING SIZE (OD)*	CASING WALL THICKNESS
12"	30"	0.500"
24"	42"	0.625"
30"	48"	0.688"
36"	48"	0.688"

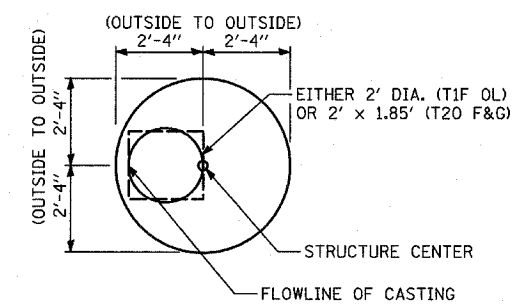
\*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.

CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

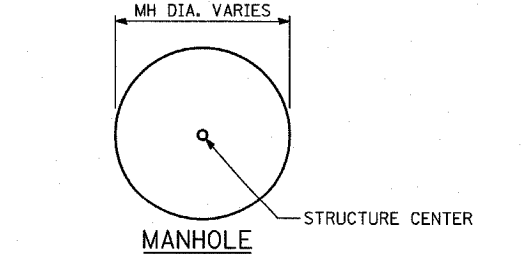
CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)

FLOWLINE OF CASTING IS LOCATED AT C OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



**CATCH BASIN**  
(PRECAST REINFORCED CONCRETE SECTION)

MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



**TYLIN INTERNATIONAL**

REVISIONS		DATE	SCALE: NONE	DRAWN BY: NB
NAME	DATE			
REVISED	05/06/05			
REVISED	04/15/05			

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

**DRAINAGE SCHEDULE  
PROPOSED STRUCTURES  
PROPOSED STORM SEWERS**

DATE: MARCH 25, 2005 CHECKED BY: DA





F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	266
STA. 1200+00.00 TO STA. 1365+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
(1516.1, 1717 & 1818) R-9			62695	

### DRAINAGE STRUCTURE SCHEDULE (CONT.)

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
			MH	CB							
3621	7122+72.20	4.0 RT		A	4'	T20 F&G	1.12			-4.13	
3622	7123+70.88	18.0 RT		A	4'	T20 F&G	-0.95		-6.62		-6.62
3623	1357+99.68	68.7 LT		A	4'	T1F OL	-1.80				-7.05
3624	7123+70.52	4.0 RT		A	4'	T20 F&G	-1.31	-6.56	-6.56		
3625	7124+81.22	4.0 RT		A	4'	T20 F&G	-2.36			-8.36	
3626	1357+96.23	129.4 LT	A		5'	T1F CL	-2.69	-10.60	-10.60	-9.59	
381	1364+61.63	84.6 LT	A		5'	T1F CL	-2.61			-15.14	
382	1362+79.44	85.1 LT	A		5'	T1F CL	-7.48	-15.85	-14.31	-16.85	
383	1360+79.63	77.9 LT		A	4'	T20 F&G	-4.64	-10.50	-10.50	-10.50	-10.50
384	1363+91.81	88.1 LT		C	2'	T1F OL	-8.63			-13.48	
385	1362+79.62	67.0 LT		A	4'	T20 F&G	-6.41		-12.45		
386	1361+89.79	136.4 LT	A		5'	T1F CL	5.92	-5.67		-5.67	-1.2 (N), -3.54 (NW)
387	7122+15.57	4.0 RT		A	4'	T20 F&G	2.79	-2.46			
388	7122+00.57	4.0 RT		A	4'	T20 F&G	3.23	-1.63	-2.51	-2.51	
389	1360+79.64	65.9 LT	PLUG						-10.37		
3810	7121+22.56	18.0 LT		A	4'	T20 F&G	5.54		0.18		0.18
3811	7121+22.56	4.0 RT		A	4'	T20 F&G	5.50		0.25		
3812	1361+84.76	172.7 LT		A(1)	4'	T1F OL	6.51		1.41		
3813	1361+64.76	172.7 LT		A(1)	4'	T1F OL	6.84	1.47			
3814	7121+70.07	18.0 LT		A	4'	T20 F&G	6.16			0.91	
3815	1362+04.77	172.7 LT		A(1)	4'	T1F OL	6.84		1.63		
3816	7120+12.36	18.0 LT		A(1)	4'	T1F OL	6.52		1.27		
3817	7119+59.35	12.8 LT		A(1)	4'	T1F OL	6.99		0.99		
3818	1363+28.57	154.7 LT	A		5'	T1F CL	6.58	-5.16		-5.16	-0.25
3819	7118+54.38	1.0 LT		A(1)	4'	T1F OL	8.01	2.76	2.76		
3820	7118+34.38	1.0 LT		A(1)	4'	T1F OL	8.15			2.90	
3821	1360+98.67	124.4 LT	DROP		8'	T1F CL	3.97	-6.00	-15.80	-7.61	-2.98
3822	7121+85.57	4.0 RT		A	4'	T20 F&G	3.67			-1.58	
3823	1360+79.49	89.3 LT		C	2'	T1F OL	-5.60		-10.45		
3824	1364+31.93	167.2 LT	A		5'	T1F CL	8.20			-4.78	1.70

### STORM SEWER SCHEDULE (CONT.)

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	T.B. (CU.YD)
383	1360+79.63	1360+98.93	2	12	16.0	0.44	16.3
384	1363+91.81	1363+83.00	2	12	4.0	31.60	0.0
385	1362+79.62	1362+79.44	2	12	16.0	11.63	16.3
386	1361+89.79	1360+98.67	2	24	86.0	0.38	0.0
387	7122+15.57	7122+00.57	2	12	11.0	0.44	11.2
388	7122+00.57	1360+98.67	2	12	22.0	2.20	22.4
389	1360+79.64	1360+79.63	2	12	8.0	0.61	8.1
3810	7121+22.56	7121+31.81	2	12	13.0	0.44(3)	4.9
3811	7121+22.56	7121+22.56	2	12	14.0	0.44	14.2
3812	1361+84.76	1361+89.79	2	12	35.0	7.50	35.6
3813	1361+64.76	1361+85.89	2	12	21.0	0.44	21.4
3814	7121+70.07	1361+89.79	2	12	28.0	16.50	15.8
3815	1362+04.77	7121+00.78	2	12	26.0	0.44	26.4
3816	7120+12.36	7120+21.61	2	12	13.0	0.44(3)	4.9
3817	7119+59.35	1363+28.57	2	12	4.0	31.08	4.1
3818	1363+28.57	1361+89.79	2	24	135.0	0.38	0.0
3819	7118+54.38	1364+31.93	2	12	3.0	35.30	3.1
3820	7118+34.38	7118+54.38	2	12	16.0	0.93	16.3
3821	1360+98.67	1360+98.93	4	27	38.0	1.50	0.0
3822	7121+85.57	7122+00.57	2	12	11.0	0.44	11.2
3823	1360+79.49	1360+79.63	2	12	11.0	0.44	4.8
3824	1364+31.93	1363+28.57	3	24	100.0	0.38	0.0

- #### NOTES:
- INDICATES CATCH BASIN WITH HALF TRAP, 4' DIAMETER, TYPE 1 FRAME & OPEN LID OR TYPE 20 FRAME & GRATE.
  - INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
  - INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
  - INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.

#### CASING SIZES

PIPE SIZE	CASING SIZE (OD)*	CASING WALL THICKNESS
12"	30"	0.500"
24"	42"	0.625"
30"	48"	0.688"
36"	48"	0.688"

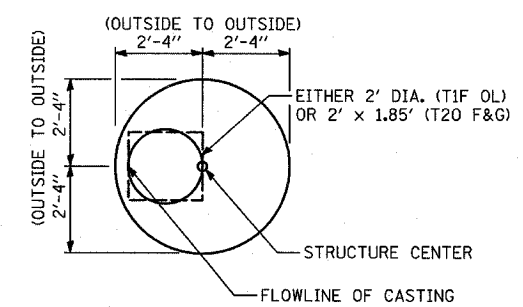
\*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.

CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)

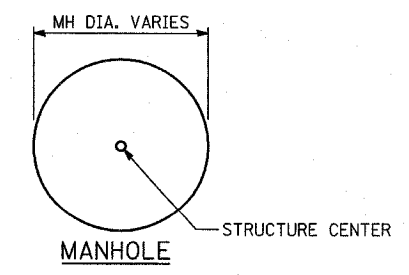
FLOWLINE OF CASTING IS LOCATED AT 1/4" OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



#### CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



REVISIONS	
NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

**DRAINAGE SCHEDULE  
PROPOSED STRUCTURES  
PROPOSED STORM SEWERS**

SCALE: NONE      DRAWN BY: NB  
DATE: MARCH 25, 2005      CHECKED BY: DA

UNDERDRAIN SCHEDULE

UNDERDRAIN PIPE LIMITS	OFFSET (FT)	PIPE UNDERDRAIN 6" (FT)	CONNECTING STRUCTURE NUMBER	PIPE UNDERDRAIN 6" (SPECIAL) (FT)
7451+16.25 - 7450+92.85	11.68 LT - 11.36 LT	23.4	C1	2.0
7450+92.85 - 7449+41.43	11.36 LT - 18.00 LT	151.4	C2	2.0
7449+41.43 - 7447+82.84	18.00 LT - 18.00 LT	158.6	12	2.0
7447+82.84 - 7445+84.32	18.00 LT - 18.00 LT	198.5	24	2.0
7445+84.32 - 7444+17.23	18.00 LT - 18.00 LT	167.1	28	2.0
7442+55.55 - 7444+17.23	18.00 LT - 18.00 LT	161.7	28	2.0
7448+72.94 - 7447+82.84	4.00 RT - 4.00 RT	90.1	13	2.0
7447+82.84 - 7447+21.20	4.00 RT - 4.00 RT	61.6	22	2.0
7447+21.20 - 7445+85.90	4.00 RT - 4.00 RT	135.3	23	2.0
7445+85.90 - 7444+17.15	4.00 RT - 4.00 RT	168.8	27	2.0
7444+17.15 - 7443+59.82	4.00 RT - 4.00 RT	57.3	29	2.0
7443+59.82 - 7443+00.00	4.00 RT - 4.00 RT	59.8	210	2.0
7442+55.55 - 7443+00.00	4.00 RT - 4.00 RT	44.4	210	2.0
112+56.17 - 112+70.46	96.07 LT - 33.19 LT	0.0	EX	69.0
7432+30.00 - 7430+93.99	0.82 LT - 9.60 LT	136.0	C8	2.0
7430+93.99 - 7429+22.06	9.60 LT - 18.00 LT	171.9	52	2.0
7429+22.06 - 7428+06.17	18.00 LT - 18.00 LT	115.9	54	2.0
7428+06.17 - 7425+91.58	18.00 LT - 18.00 LT	214.6	64	2.0
7425+91.58 - 7424+68.20	18.00 LT - 18.00 LT	123.4	67	2.0
7424+68.20 - 7423+61.17	18.00 LT - 4.00 RT	107.0	68	22.0
7430+17.05 - 7429+22.06	4.00 RT - 4.00 RT	95.0	51	2.0
7429+22.06 - 7428+06.29	4.00 RT - 4.00 RT	115.8	53	2.0
7428+06.29 - 7425+91.41	4.00 RT - 4.00 RT	214.9	63	2.0
7425+91.41 - 7424+05.82	4.00 RT - 4.00 RT	185.6	65	2.0
7424+05.82 - 7423+61.17	4.00 RT - 4.00 RT	44.6	68	2.0
7422+92.25 - 7422+40.45	4.00 RT - 4.00 RT	51.8	69	2.0
7423+00.06 - 7422+40.45	16.00 LT - 4.00 RT	59.6	69	21.0
7423+37.14 - 7423+61.17	16.00 LT - 4.00 RT	24.0	68	22.0
7423+41.60 - 7423+61.17	4.00 RT - 4.00 RT	19.6	68	2.0
7423+07.28 - 7422+92.25	4.00 RT - 4.00 RT	15.0	613	2.0
7423+61.17 - 7423+61.17	4.00 RT - 4.00 RT	0.0	68	20.0
7422+92.25 - 7422+92.25	4.00 RT - 4.00 RT	0.0	613	12.0
7423+07.28 - 7423+07.28	8.00 RT - 4.00 RT	0.0	PUD	4.0
1024+51.10 - 1023+41.59	119.67 LT - 58.79 LT	0.0	EX	167.0
1212+34.73 - 1212+07.56	113.67 LT - 80.63 LT	0.0	98	45.0
1219+83.91 - 1220+56.70	86.10 LT - 77.66 LT	0.0	1113	75.0
1217+34.98 - 1217+22.86	100.42 LT - 80.32 LT	0.0	1017	25.0
1204+51.08 - 1205+13.94	117.65 LT 62.28 LT	0.0	EX	88.0
7423+64.35 - 7423+61.17	10.52 RT 2.00 RT	0.0	68	9.1
7422+93.51 - 7422+92.25	10.87 RT 2.00 RT	0.0	613	9.0
7417+38.20 - 7416+48.70	21.45 LT - 10.85 LT	89.5	C11	2.0
7416+48.70 - 7415+08.83	10.85 LT - 18.60 LT	139.9	93	2.0
7415+08.83 - 7414+67.82	18.60 LT - 18.60 LT	41.0	94	2.0
7414+67.82 - 7414+27.80	18.60 LT - 18.60 LT	40.0	101	2.0
7414+27.80 - 7413+88.11	18.60 LT - 19.00 LT	39.7	102	2.0
7413+88.11 - 7413+13.06	19.00 LT - 18.00 LT	75.0	103	2.0
7413+13.06 - 7412+61.98	18.00 LT - 18.00 LT	51.1	105	2.0
7412+61.98 - 7411+72.14	18.00 LT - 18.00 LT	89.8	108	2.0
7411+72.14 - 7410+37.03	18.00 LT - 18.00 LT	135.1	1016	2.0
7410+37.03 - 7408+78.99	18.00 LT - 18.00 LT	158.0	1015	2.0
7408+78.99 - 7405+91.56	18.00 LT - 18.00 LT	287.4	116	2.0
7405+91.56 - 7405+07.86	18.00 LT - 4.00 RT	83.7	118	20.0
7412+40.16 - 7411+76.16	4.00 RT - 4.00 RT	64.0	109	2.0
7411+76.16 - 7410+95.16	4.00 RT - 4.00 RT	81.0	1010	2.0

UNDERDRAIN SCHEDULE (CONT.)

UNDERDRAIN PIPE LIMITS	OFFSET (FT)	PIPE UNDERDRAIN 6" (FT)	CONNECTING STRUCTURE NUMBER	PIPE UNDERDRAIN 6" (SPECIAL) (FT)
7410+95.16 - 7410+75.16	4.00 RT - 4.00 RT	20.0	1011	2.0
7410+75.16 - 7410+55.16	4.00 RT - 4.00 RT	20.0	1012	2.0
7410+55.16 - 7408+78.99	4.00 RT - 4.00 RT	176.2	1014	2.0
7408+78.99 - 7407+10.36	4.00 RT - 4.00 RT	168.6	113	2.0
7407+10.36 - 7405+82.85	4.00 RT - 4.00 RT	127.5	117	2.0
7405+82.85 - 7405+07.86	4.00 RT - 4.00 RT	75.0	118	2.0
7403+87.70 - 7405+07.86	4.00 RT - 4.00 RT	120.2	118	2.0
7403+87.70 - 7405+07.86	16.00 LT - 4.00 RT	120.2	118	21.0
7407+10.36 - 7407+10.36	4.00 RT - 4.00 RT	0.0	113	6.0
7407+09.32 - 7407+03.05	33.42 RT - 16.63 RT	0.0	115	20.0
7405+83.03 - 7405+82.22	40.79 RT - 14.83 RT	0.0	1120	24.0
1230+11.19 - 1231+28.37	129.07 LT - 79.10 LT	0.0	132	166.0
1235+15.52 - 1235+15.52	128.80 LT - 60.83 LT	0.0	EX	70.0
7196+67.73 - 7197+53.91	0.00 CL - 3.66 LT	86.2	C22	2.0
7197+53.91 - 7198+43.68	3.66 LT - 8.90 LT	89.8	1612	2.0
7198+43.68 - 7199+33.61	8.90 LT - 14.20 LT	89.9	1611	2.0
7199+33.61 - 7199+78.73	14.20 LT - 16.80 LT	45.1	161	2.0
7199+78.73 - 7200+30.94	16.80 LT - 18.00 LT	52.2	1610	2.0
7200+30.94 - 7200+77.00	18.00 LT - 18.00 LT	46.1	166	2.0
7200+77.00 - 7201+18.56	18.00 LT - 18.00 LT	41.6	165	2.0
7201+18.56 - 7202+08.63	18.00 LT - 18.00 LT	90.1	164	2.0
7202+08.63 - 7203+84.97	18.00 LT - 18.00 LT	176.3	1513	2.0
7203+84.97 - 7205+79.85	18.00 LT - 18.00 LT	194.9	155	2.0
7208+63.07 - 7205+79.85	18.00 LT - 18.00 LT	283.2	155	2.0
7201+47.10 - 7202+11.10	4.00 RT - 4.00 RT	64.0	163	2.0
7202+11.10 - 7202+89.27	4.00 RT - 4.00 RT	78.2	1512	2.0
7202+89.27 - 7204+00.00	4.00 RT - 4.00 RT	110.7	158	2.0
7204+00.00 - 7205+22.19	4.00 RT - 4.00 RT	122.2	1518	2.0
7205+22.19 - 7205+68.70	4.00 RT - 4.00 RT	46.5	153	2.0
7208+63.07 - 7207+34.39	4.00 RT - 4.00 RT	128.7	151	2.0
7207+34.39 - 7206+31.92	4.00 RT - 4.00 RT	102.5	1515	2.0
7206+31.92 - 7205+88.58	4.00 RT - 4.00 RT	43.3	157	2.0
7205+68.70 - 7205+68.70	16.00 LT - 4.00 RT	16.0	153	4.0
7205+78.64 - 7205+78.64	16.00 LT - 4.00 RT	16.0	156	4.0
7205+88.58 - 7205+88.58	16.00 LT - 4.00 RT	16.0	157	4.0
7204+27.95 - 7203+86.05	19.70 RT - 9.80 RT	0.0	1510	56.0
1249+02.97 - 1249+02.97	73.50 LT - 73.50 LT	0.0	154	9.0
1251+86.17 - 1252+41.48	97.00 LT - 77.10 LT	0.0	159	75.0
1255+81.16 - 1255+78.42	118.65 LT - 79.35 LT	0.0	169	42.1
7190+45.82 - 7189+43.20	20.58 LT - 18.53 LT	102.6	C23	2.0
7189+43.20 - 7188+35.50	18.53 LT - 18.00 LT	107.7	174	2.0
7188+35.50 - 7186+10.28	18.00 LT - 18.00 LT	225.2	183	2.0
7186+10.28 - 7184+47.97	18.00 LT - 18.00 LT	162.3	184	2.0
7182+55.55 - 7184+47.97	18.00 LT - 18.00 LT	192.4	184	2.0
7188+95.47 - 7188+35.50	4.00 RT - 4.00 RT	60.0	173	2.0
7188+35.50 - 7186+10.28	4.00 RT - 4.00 RT	225.2	1823	2.0
7186+10.28 - 7184+40.45	4.00 RT - 25.96 RT	155.0	181	2.0
7182+99.51 - 7184+20.53	38.31 RT - 27.71 RT	121.0	188	2.0
7181+29.47 - 7182+35.74	4.00 RT - 41.81 RT	113.3	1816	2.0
7182+99.51 - 7182+46.15	38.31 RT - 42.49 RT	53.4	1817	2.0
7184+24.19 - 7184+40.45	18.00 LT - 25.96 RT	39.0	181	4.0
7184+33.75 - 7184+30.49	18.00 LT - 26.84 RT	40.0	187	4.0
7184+43.31 - 7184+20.53	18.00 LT - 27.71 RT	41.0	188	4.0
7182+46.15 - 7182+46.15	42.50 LT - 42.50 LT	0.0	1817	15.0

NOTES:

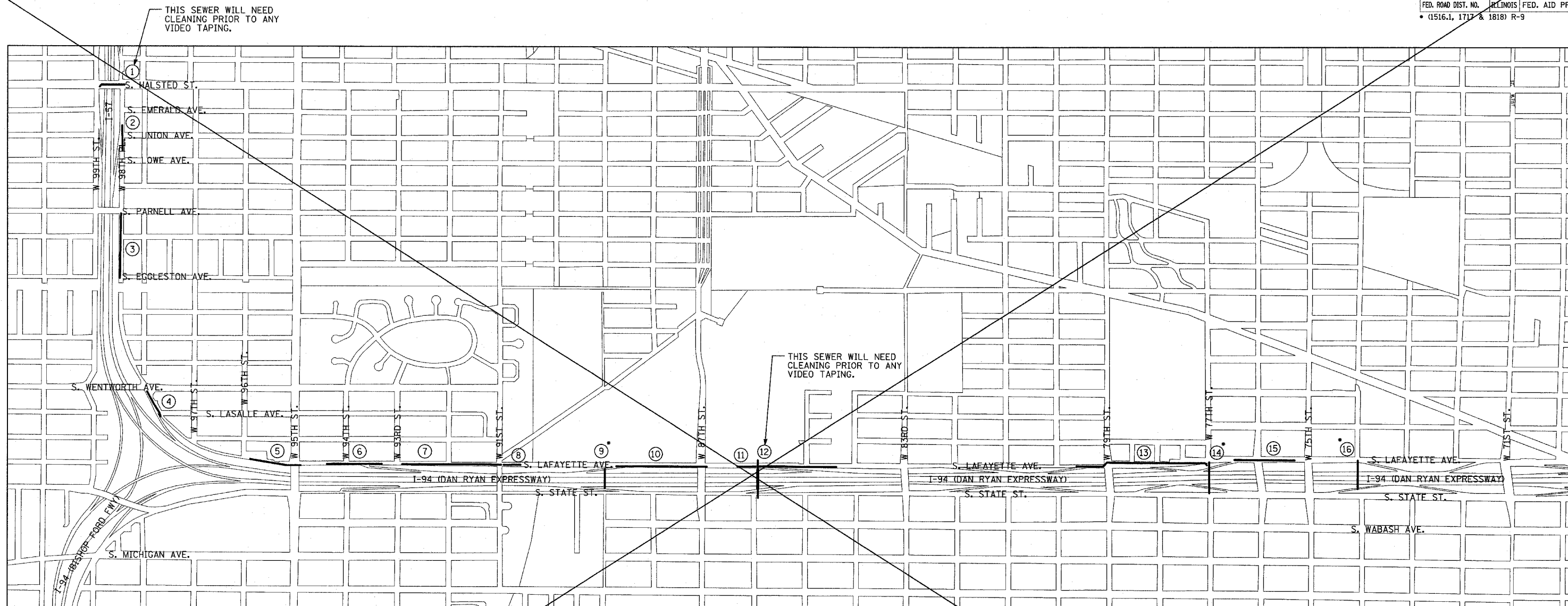
- SEE SHEET TITLED "DRAINAGE DETAILS" FOR PIPE UNDERDRAIN 6", AT ROADWAY SAGS.
- SEE DRAINAGE AND UTILITY PLANS FOR GENERAL PIPE LOCATIONS AND LIMITS.
- SEE "PIPE UNDERDRAINS ALONG RAMPS DETAILS" FOR EXACT LOCATION AND DETAILS.

REVISIONS		SCALE: NONE	DRAWN BY: RTM
NAME	DATE		
REVISED	05/06/05	DATE: MARCH 25, 2005	CHECKED BY: DA
REVISED	04/15/05		









**VIDEO TAPING OF SEWERS QUANTITIES**

LOCATION		TOTAL (FOOT)
NUMBER	RAMP/STREET DESCRIPTION	
1	HALSTED STREET W. 98TH PLACE TO W. 99TH STREET	336
2	W. 98TH PLACE S. EMERALD TO S. LOWE	332
3	W. 98TH PLACE S. PARNELL AVE. TO S. EGGLESTON AVE.	842
4	S. LAFAYETTE AVENUE S. WENTWORTH AVE TO S. LASALLE ST.	376
5	S. LAFAYETTE AVENUE W. 96TH ST. TO W. 95TH STREET	669
6	S. LAFAYETTE AVENUE CTA BUS TURNAROUND TO BETWEEN 93RD AND 94TH ST.	718
7	S. LAFAYETTE AVENUE W. 93RD ST. TO W. 91ST ST	1298
8	S. LAFAYETTE AVENUE W. 91ST ST. TO S. OF C.R.I.&P. R.R. BRIDGE	219
9	W. 89TH STREET S. LAFAYETTE AVE TO S. STATE ST	182
10	S. LAFAYETTE AVENUE N OF BELT R.R. TO 87TH ST.	1188
11	S. LAFAYETTE AVENUE N. OF 87TH ST. TO N. OF 85TH ST.	1296
12	W. 86TH STREET S. LAFAYETTE AVE TO S. STATE ST	117
13	S. LAFAYETTE AVENUE S. OF 79TH ST. TO 77TH ST.	1745
14	77TH STREET S. LAFAYETTE AVE TO S. STATE ST	404
15	S. LAFAYETTE AVENUE N OF 77TH ST. TO S OF 75TH ST.	787
16	74TH STREET S. LAFAYETTE AVE TO S. STATE ST	371
TAPED ONCE - AFTER CONSTRUCTION:		957 FT X1
TAPED TWICE - BEFORE AND AFTER CONSTRUCTION:		19846 FT X2
<b>TOTAL:</b>		<b>20803 FT</b>

**NOTE:**  
CONTRACTOR SHALL TELEWISE SEWER BEFORE CONSTRUCTION BEGINS AND AFTER CONSTRUCTION IS COMPLETED (UNLESS NOTED).

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

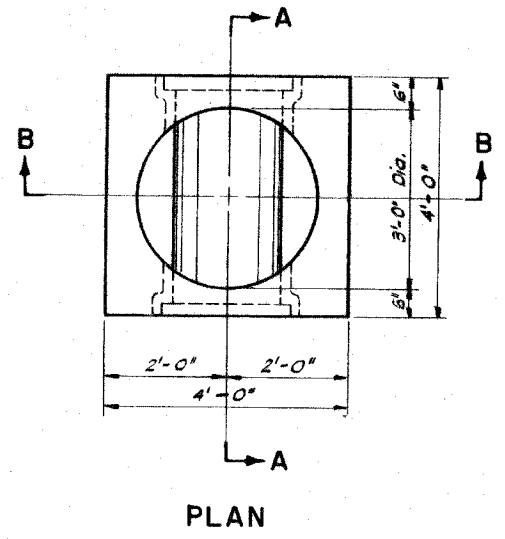
**VIDEO TAPING OF SEWERS**

SCALE: NOT TO SCALE DATE: MARCH 25, 2005  
DRAWN BY: JPA CHECKED BY: PAW

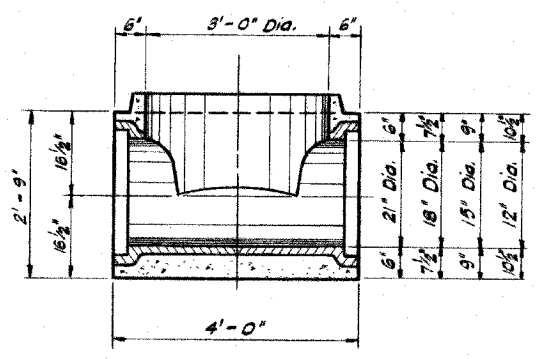
\*VIDEO TAPE ONLY ONCE (AFTER CONSTRUCTION)



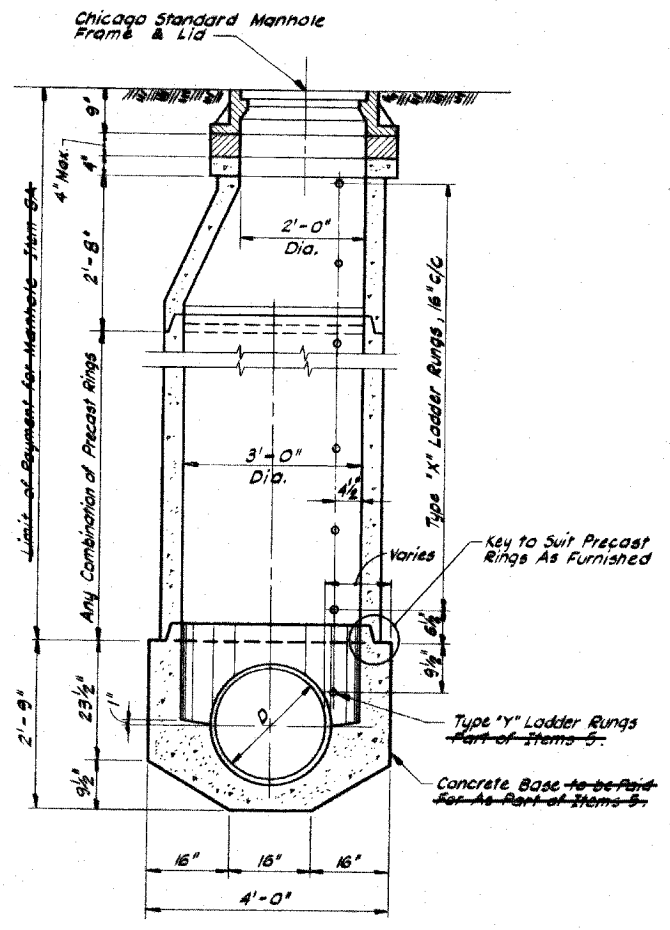
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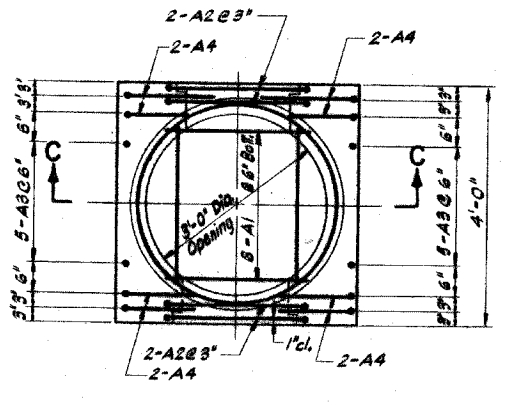
PLAN



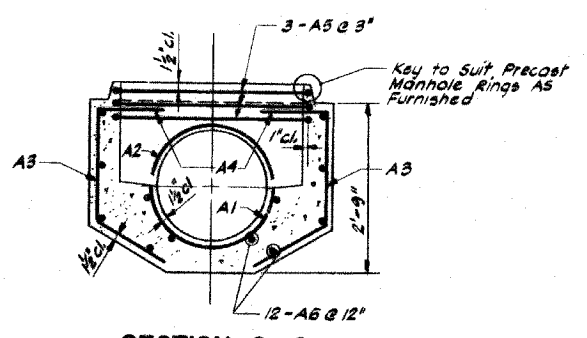
SECTION A-A



SECTION B-B



PLAN  
PRECAST BASE



SECTION C-C

SCHEDULE OF REINFORCEMENT - PART OF ITEMS 5																			
STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS												
	MARK NO.	SIZE	TYPE	LENGTH	NO. REIN.	WEIGHT - LBS. EACH TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
21" DIA.	21A1	6	9	3'-1"	6	4.63 28		3'-1"						11 1/2"			2'-1" 12 1/2"		
	21A2	6	73	8'-8"	4	13.02 52											2'-0" 2'-10"		
	21A3	5	12	3'-3"	10	3.39 34			22"	17"				14 1/2"			8 1/2"		
	21A4	5	12	4'-6"	8	4.69 38			15"	22"	17"			14 1/2"			8 1/2"		
	21A5	5	73	11'-11"	3	12.43 37											20"	3'-3 1/2"	
	21A6	4	STR	3'-8"	12	2.45 30													
	TOTAL						219												
18" DIA.	18A1	6	9	2'-8 1/2"	6	4.07 24		2'-8 1/2"						9 1/2"			22"	11 1/2"	
	18A2	6	73	7'-10"	4	11.83 47											2'-0" 22 1/2"		
	TOTAL						71												
15" DIA.	15A1	6	9	2'-3 1/2"	6	3.44 21		23 1/2"						8 1/2"			19"	9 1/2"	
	15A2	6	73	7'-1"	4	10.64 42											2'-0" 19 1/2"		
	TOTAL						63												
12" DIA.	12A1	6	9	1'-11"	6	2.88 17		23"						6 1/2"			16"	8 1/2"	
	12A2	6	73	6'-1"	4	9.14 37											2'-0" 16 1/2"		
	TOTAL						54												

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

TYPE "A" PRECAST MANHOLE  
FOR SEWERS 21" DIA. & SMALLER

SCALE: 3/4" = 1'-0"

CONTRACT SHEET NO.

DRAWN BY B. MARLONSKO  
DESIGNED BY A. A.  
CHECKED BY A. A.

Form Sheet 1 2-88 (480)

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

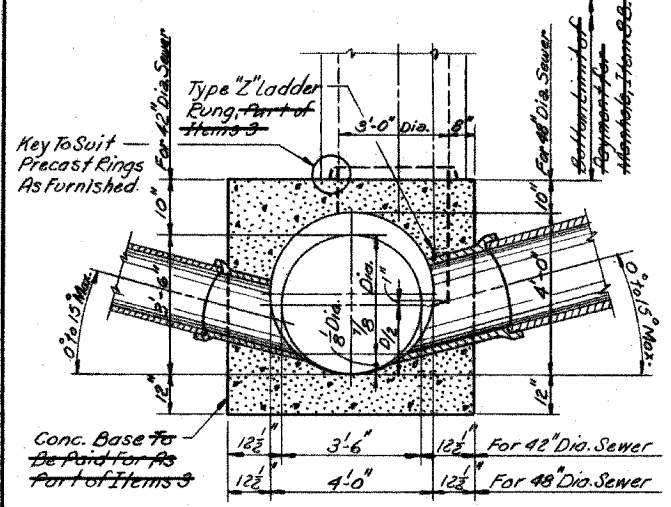
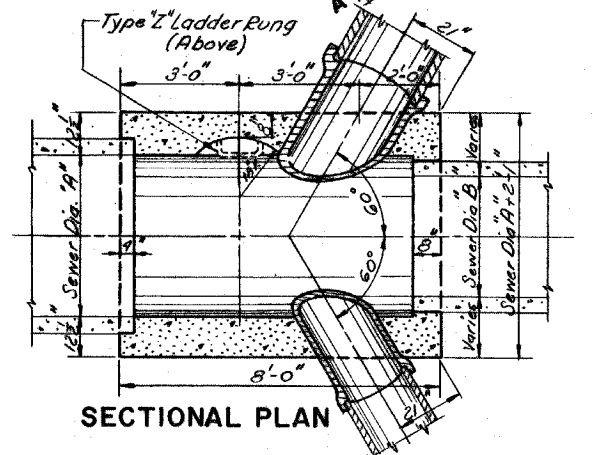
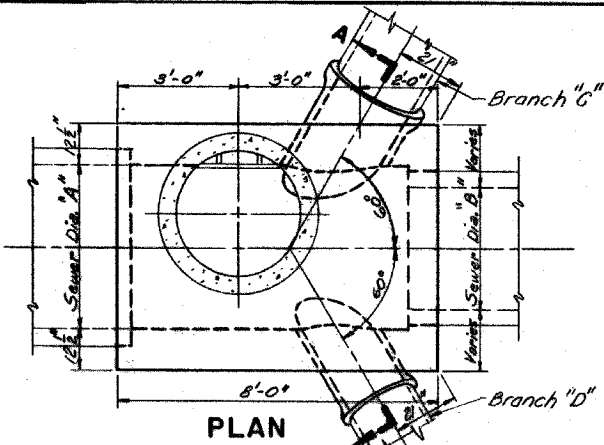
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 1 OF 9)

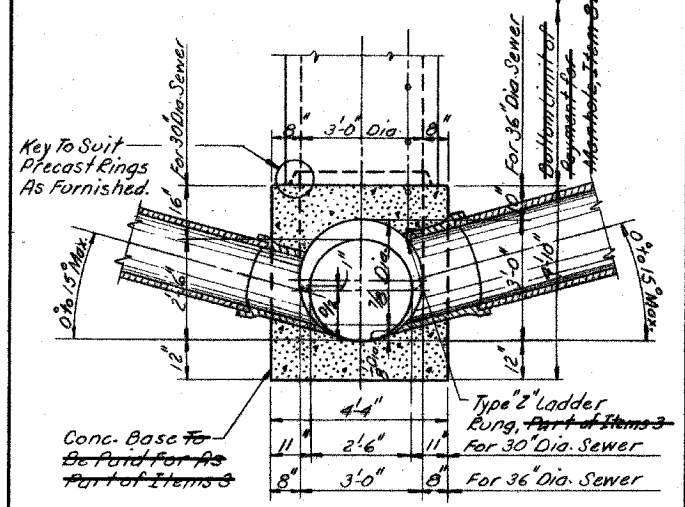
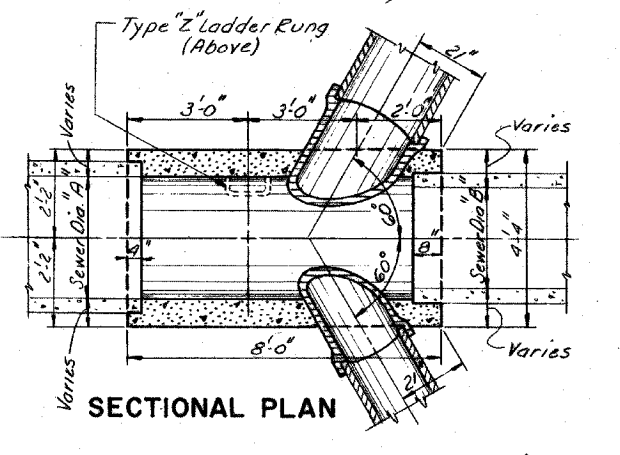
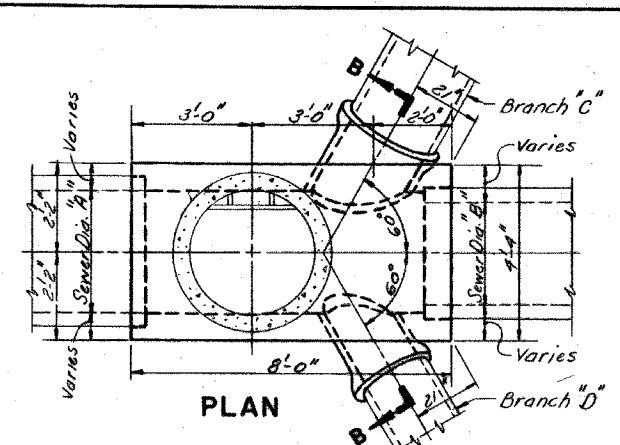
SCALE: NONE  
DATE: MARCH 25, 2005  
DRAWN BY: MB  
CHECKED BY: MPG

TYLIN INTERNATIONAL

03/25/2005 02:49:30 PM

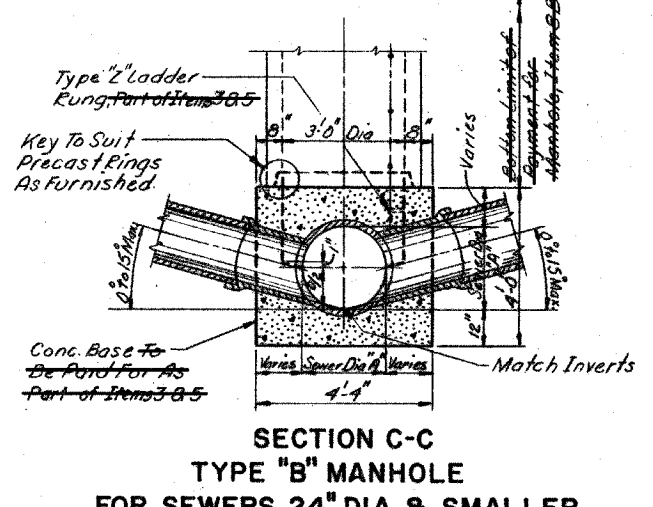
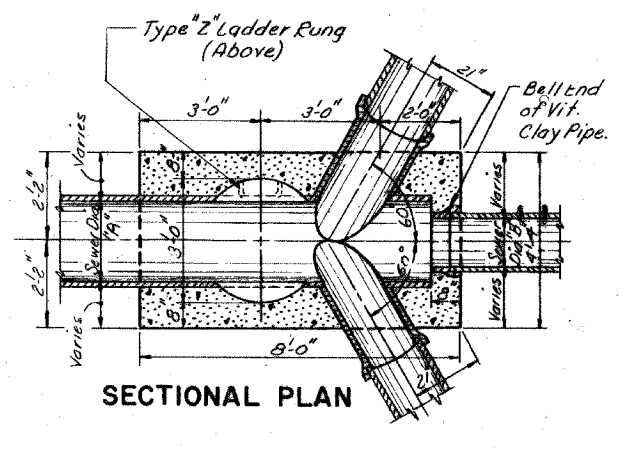
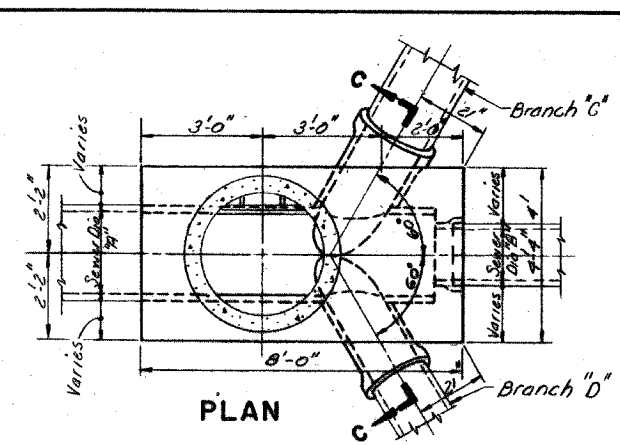


**SECTION A-A  
TYPE "B" MANHOLE  
FOR SEWERS 48" DIA. & 42" DIA.  
Item 8-B**



**SECTION B-B  
TYPE "B" MANHOLE  
FOR SEWERS 36" DIA. & 30" DIA.  
Item 8-B**

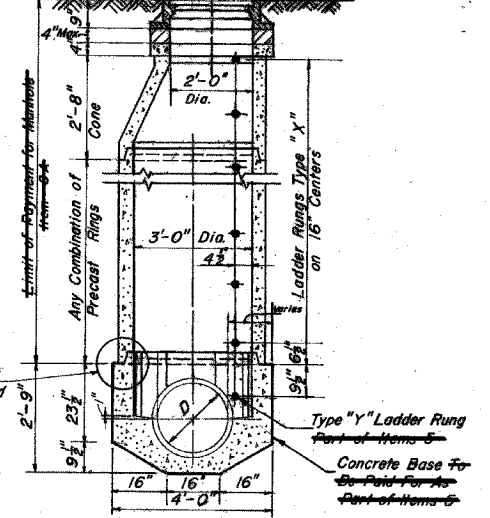
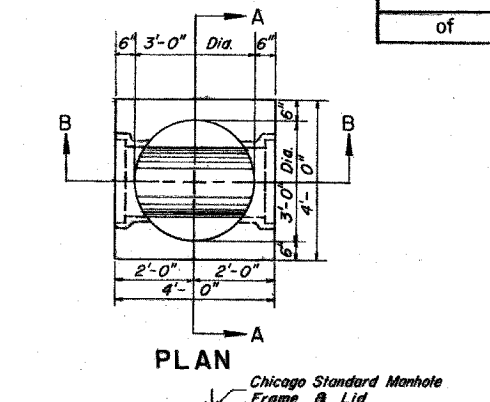
Notes For Type "B" Manholes:  
- Stubs in Manhole Bases To Be Paid For as Part of the Items 5 or Items 7  
- For Reinforcement Steel Details of Manhole Base See Sheet No.



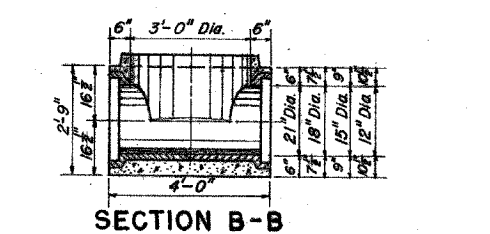
**SECTION C-C  
TYPE "B" MANHOLE  
FOR SEWERS 24" DIA. & SMALLER  
Item 8-B**

Scale of Drawing  $\frac{1}{2}'' = 1'-0''$   
2' 1' 6" 0 1' 2' 3' 4' 5'

REVISIONS	
DATE	DESCRIPTION



**SECTION A-A**



**SECTION B-B**

**TYPE "A" MANHOLE  
FOR SEWERS 21" DIA. AND SMALLER  
-ITEM 8-A-  
For Reinforcement Steel Details of Manhole Base See Sheet No. 3 OF 9**

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

**TYPE "A" AND TYPE "B" MANHOLES  
SCALE AS SHOWN CONTRACT SHEET NO.**

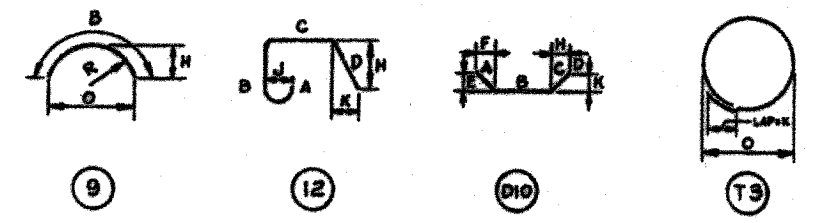
NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

REVISIONS	
NAME	DATE

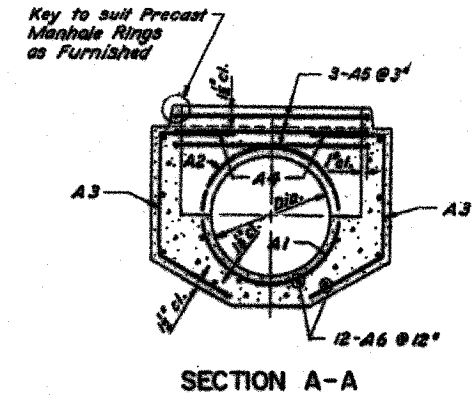
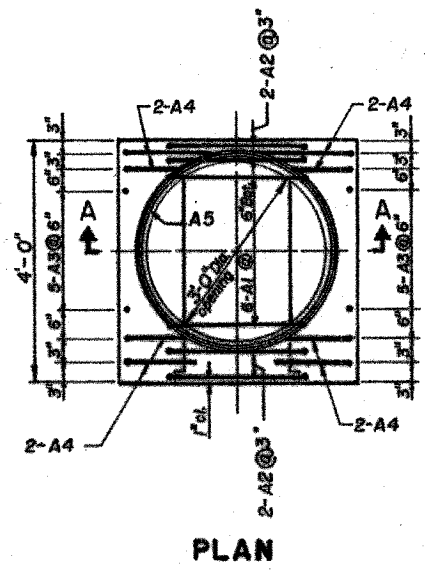
ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)  
  
CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 2 OF 9)  
  
SCALE: NONE DRAWN BY: MB  
DATE: MARCH 25, 2005 CHECKED BY: MPG

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**Structural Notes:**  
**Placing of Concrete** - Concrete shall be placed in accordance with the method outlined in the Specifications.  
**Construction Joints** - Joints not indicated on the Drawings shall be so made and located as not to impair the strength of the Structure and shall be approved by the Commissioner. Joints shall be constructed in accordance with the method outlined in the Specifications.  
**Concrete Protection for Reinforcement** - All reinforcing steel shall have clear concrete covering as follows (unless otherwise noted):  
 3" of exterior surfaces where concrete is deposited against the ground;  
 2" of surfaces where concrete is formed but subsequently will be in contact with sewage; 2" of all other surfaces.  
**Reinforcing Steel** - All reinforcing bars shall be accurately placed and securely supported by bar supports, spacers or high chairs. All laps in reinforcing steel shall be based upon the 1989ACI Building Code.  
 Unless otherwise noted, hooks and bends on bars shall conform to recommended details as given in the "Manual of Standard Practice", CR SI - 1990.  
 The following abbreviations are used to indicate the location of reinforcing bars:  
 T. denotes Top N.F. denotes Near Face  
 Bot. denotes Bottom F.F. denotes Far Face  
 I.F. denotes Inside Face E.F. denotes Each Face.  
 O.F. denotes Outside Face E.W. denotes Each Way.  
**Placing Bar Supports** - All reinforcing bars shall be supported, anchored and tied and shall conform to "Recommended Practice for placing Reinforcing Bars" 1986, Prepared by the Concrete Reinforcing Steel Institute.



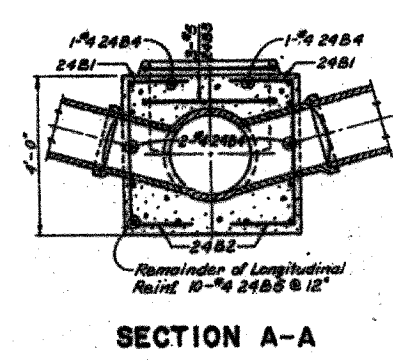
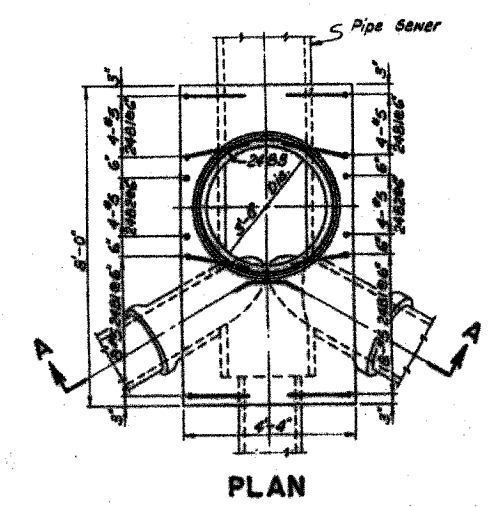
Note: All Dimensions Are Out to Out of Bar.  
 Bending Radii "R" to Outside of Bar.  
 Numbers in Circles Denote Bar Type.



SCHEDULE OF REINFORCEMENT - PART OF ITEMS 5

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS											
	MARK	NO.	TYPE	LENGTH	NO. BARS	WEIGHT PER BAR	A	B	C	D	E	F	G	H	J	K	O	R
24" DIA. & SMALLER	24B1	5	17	6'-7"	81	6.87	18"	5'-7"	18"									
	24B2	5	17	5'-0"	8	5.22	18"	5'-0"										
	24B3	5	13	12'-7"	3	13.12												20" 5'6"
	24B4	5	37	3'-9"	4	5.91												
24B5	4	37	7'-9"	10	5.18													
TOTAL						374												

TYPE "A" MANHOLE PRECAST BASE FOR SEWERS 21" DIA. & SMALLER



SCHEDULE OF REINFORCEMENT - ITEM 10

STRUCTURE	REINFORCEMENT BAR						BENDING DIMENSIONS											
	MARK	NO.	TYPE	LENGTH	NO. BARS	WEIGHT PER BAR	A	B	C	D	E	F	G	H	J	K	O	R
24" DIA. & SMALLER	24B1	5	17	6'-7"	81	6.87	18"	5'-7"	18"									
	24B2	5	17	5'-0"	8	5.22	18"	5'-0"										
	24B3	5	13	12'-7"	3	13.12												20" 5'6"
	24B4	5	37	3'-9"	4	5.91												
24B5	4	37	7'-9"	10	5.18													
TOTAL						374												

TYPE "B" MANHOLE BASE FOR SEWERS 24" DIA. & SMALLER

DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF WATER MANAGEMENT  
 BUREAU OF ENGINEERING SERVICES

**REINFORCEMENT FOR TYPE "A" AND TYPE "B" MANHOLE BASES**

CONTRACT SHEET NO.

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

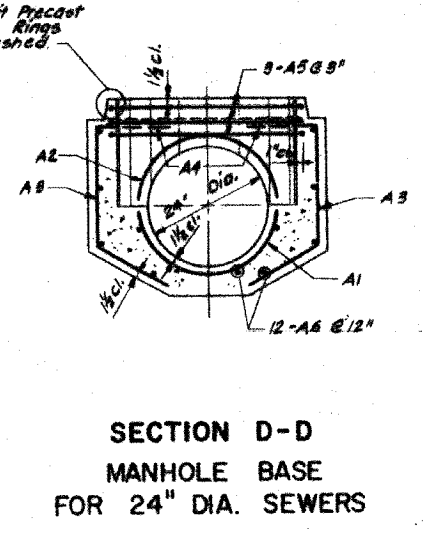
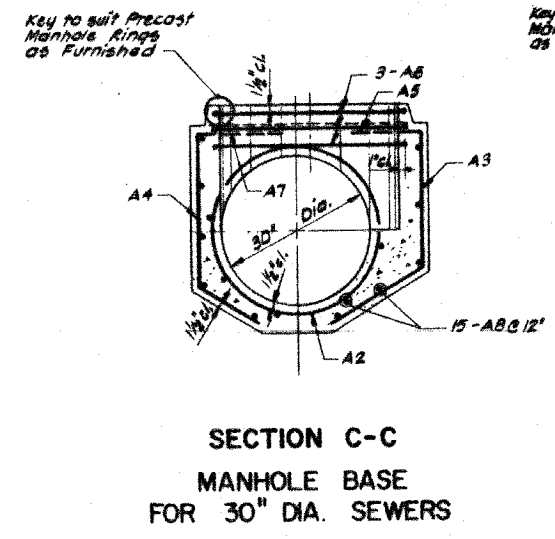
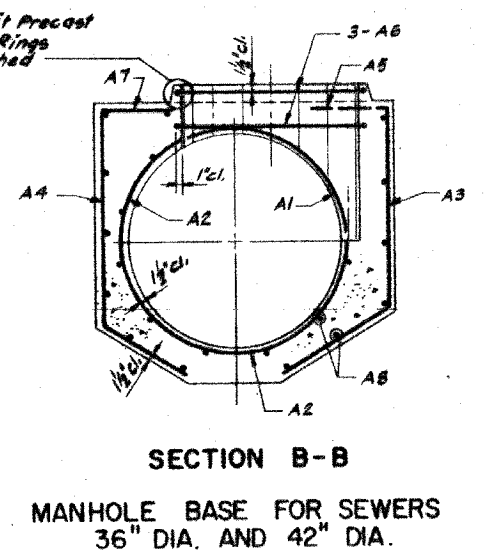
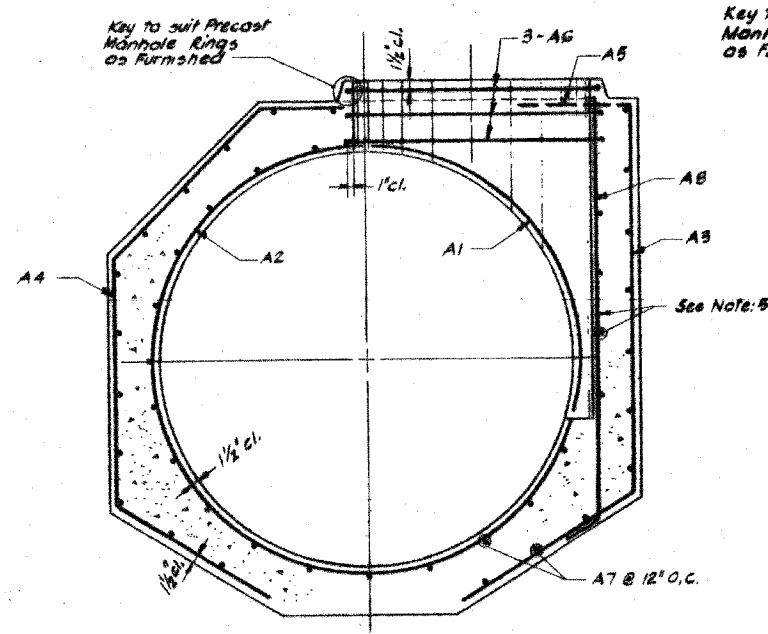
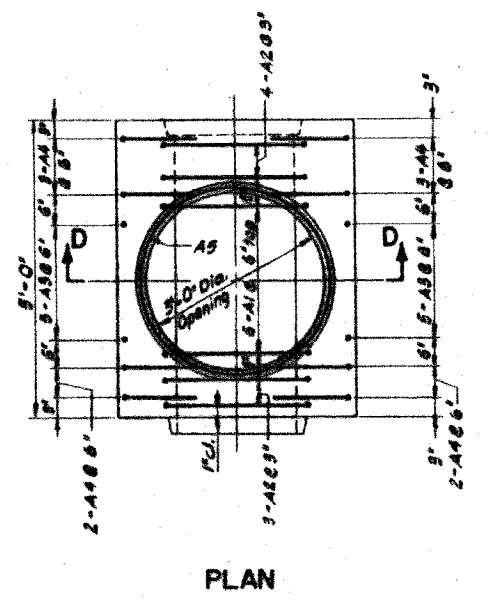
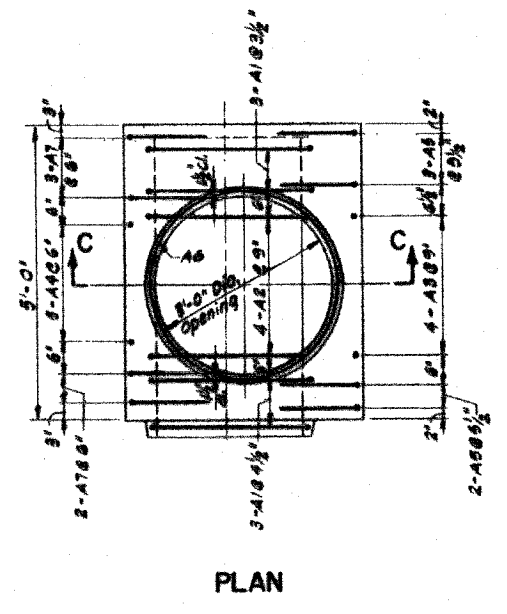
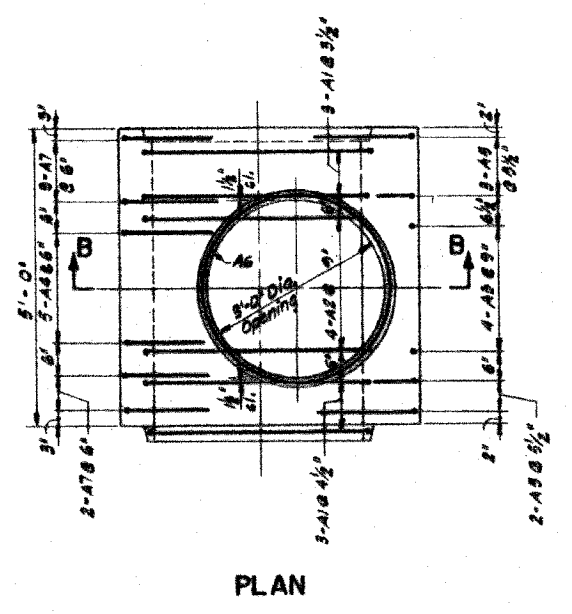
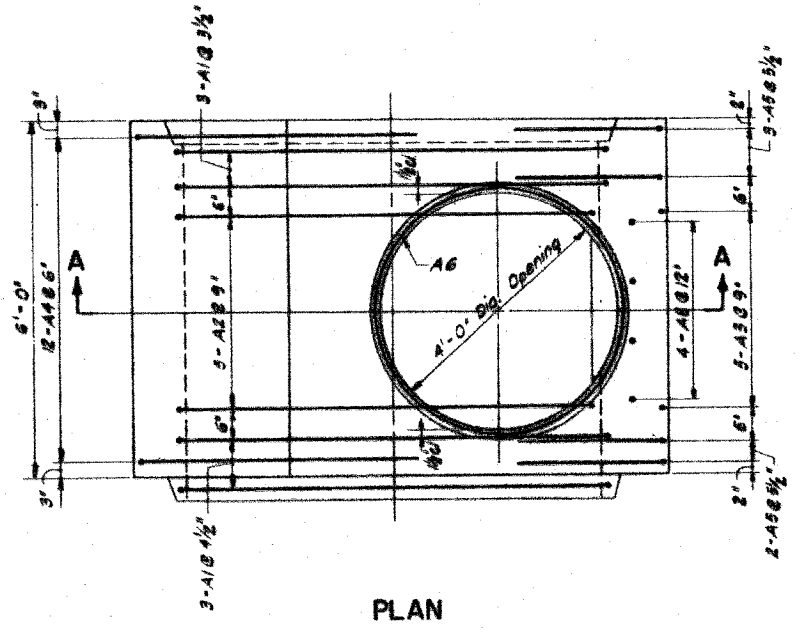
TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO  
 DEPARTMENT OF WATER MANAGEMENT  
 SEWER RELOCATION DETAIL  
 (SHEET 3 OF 9)

SCALE: NONE DRAWN BY: MB  
 DATE: MARCH 25, 2005 CHECKED BY: MPG



- NOTE:
1. For Additional Details of Manholes See Sheet No. ...
  2. For Structural Notes See Sheet No. ...
  3. For Bar List See Sheet No. ...
  4. For Manhole Bases Required For This Contract See Sheet No. ...
  5. Two Layers of Reinforcement For 66" Dia. Manhole and over.

DATE	DESCRIPTION
9/26/05	PRELIMINARY PLAN
	APPROVED PLAN

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

**REINFORCEMENT FOR TYPE "A"  
PRECAST MANHOLE BASES**

SCALE: 3/8" = 1'-0"

CONTRACT  
SHEET NO.

DRAWN BY B. Merkowski  
DESIGNED BY N.S.  
CHECKED BY A.A.

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 4 OF 9)

SCALE: NONE  
DATE: MARCH 25, 2005

DRAWN BY: MB  
CHECKED BY: MPG

03/30/2005 02:49:50 PM

**SCHEDULE OF REINFORCEMENT-PART OF ITEMS 3**

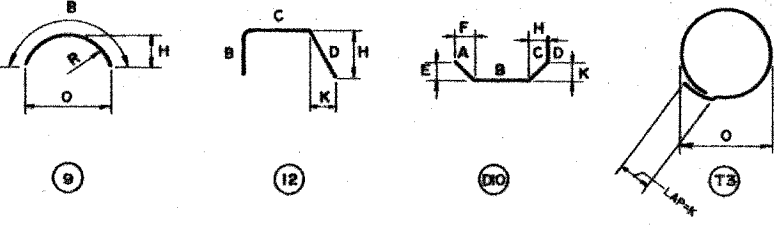
STRUCTURE	REINFORCEMENT BAR				BENDING DIMENSIONS													
	MARK	SIZE	TYPE	NO. REQ'D	WEIGHT-LBS. EACH	TOTAL	A	B	C	D	E	F	G	H	J	K	O	R
120" DIA.	120A1	6	T3	35'-4"	6	94.51	567											2'-8" 10'-5"
	120A2	7	9	22'-5"	5	43.82	229	22'-5"										8'-0" 2'-8" 10'-5"
	120A3	6	12	14'-4"	5	21.61	108			6'-8" 4'-11"								4'-3" 2'-2"
	120A4	7	D10	12'-0"	12	38.26	466	4'-6"	8'-11"	4'-10"	3'-10"	3'-10"	2'-3"					2'-8" 10'-5"
	120A5	8	12	17'-0"	5	47.76	239			5'-6"	9'-6"	4'-0"						8'-0" 2'-8" 10'-5"
	120A6	5	T3	15'-1"	3	15.74	47											20' 4'-3"
	120A7	4	STR	5'-8"	36	3.79	230											20' 4'-3"
	120A8	5	12	10'-9"	4	11.81	48			9'-8" 1'-0"								10' 6'
	TOTAL					1951												

DRAWN BY: B. McCONNELL  
 DESIGNED BY: N. SHASE  
 CHECKED BY: A.S. ANTONIO

STRUCTURE	REINFORCEMENT BAR				BENDING DIMENSIONS													
	MARK	SIZE	TYPE	NO. REQ'D	WEIGHT-LBS. EACH	TOTAL	A	B	C	D	E	F	G	H	J	K	O	R
66" DIA.	66A1	6	T3	20'-5"	6	30.73	184											2'-0" 5'-10"
	66A2	5	9	11'-10"	5	12.30	62	11'-10"										4'-2" 5'-12" 2'-11"
	66A3	5	12	8'-2"	5	8.92	43			5'-2" 5'-0"							4'-2" 2'-7" 2'-8"	
	66A4	5	D10	9'-11"	12	9.51	114	2'-8"	3'-8"	2'-9"	4'-2" 2'-2"	15"						2'-8" 2'-11"
	66A5	5	12	10'-4"	5	15.00	75			2'-2" 5'-2" 5'-0"								2'-8" 2'-11"
	66A6	5	T3	15'-1"	3	15.74	47											20' 4'-3"
	66A7	4	STR	5'-8"	36	3.79	136											20' 4'-3"
	66A8	5	12	6'-5"	4	6.89	27			5'-5" 1'-0"								10' 6'
	TOTAL					691												

**Structural Notes:**  
 Placing of Concrete - Concrete Must be placed in accordance with the method outlined in the Specifications.  
 Construction Joints - Joints not indicated on the Drawings Must be so made and located as not to impair the strength of the Structure and shall be approved by the Commissioner. Joints Must be constructed in accordance with the method outlined in the Specifications.  
 Concrete Protection for Reinforcement - All reinforcing steel Must have clear concrete covering as follows (unless otherwise noted):  
 3" at exterior surfaces where concrete is deposited against the ground;  
 2.5" at surfaces where concrete is formed but subsequently will be in contact with sewage; 2" at all other surfaces.  
 Reinforcing Steel - All reinforcing bars Must be accurately placed and securely supported by bar supports, spacers or high chairs.  
 All laps in reinforcing steel Must be based upon the 1989, ACI Building Code.  
 Unless otherwise noted, hooks and bends on bars Must conform to recommended details as given in the "Manual of Standard Practice", CR SI - 1990.  
 The following abbreviations are used to indicate the location of reinforcing bars:  
 T. denotes Top N.F. denotes Near Face  
 Bot. denotes Bottom F.E. denotes Far Face  
 I.F. denotes Inside Face E.F. denotes Each Face  
 O.F. denotes Outside Face E.W. denotes Each Way

Placing Bar Supports - All reinforcing bars Must be supported, anchored and tied and Must conform to "Recommended Practice for placing Reinforcing Bars" 1986, Prepared by the Concrete Reinforcing Steel Institute.



Note: All Dimensions Are Out to Out of Bar. Bending Radii "R" to Outside of Bar. Numbers in Circles Denote Bar Type.

DATE	DESCRIPTION
12/91	Revised to Suit 4'-0" Dia. Bases
9/26/01	PRELIMINARY PLAN
	APPROVED PLAN

**CITY OF CHICAGO**  
 DEPARTMENT OF WATER MANAGEMENT  
 BUREAU OF ENGINEERING SERVICES

**REINFORCEMENT BAR LISTS  
 FOR TYPE "A"  
 PRECAST MANHOLE BASES**

CONTRACT SHEET NO.

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

**TYLIN INTERNATIONAL**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

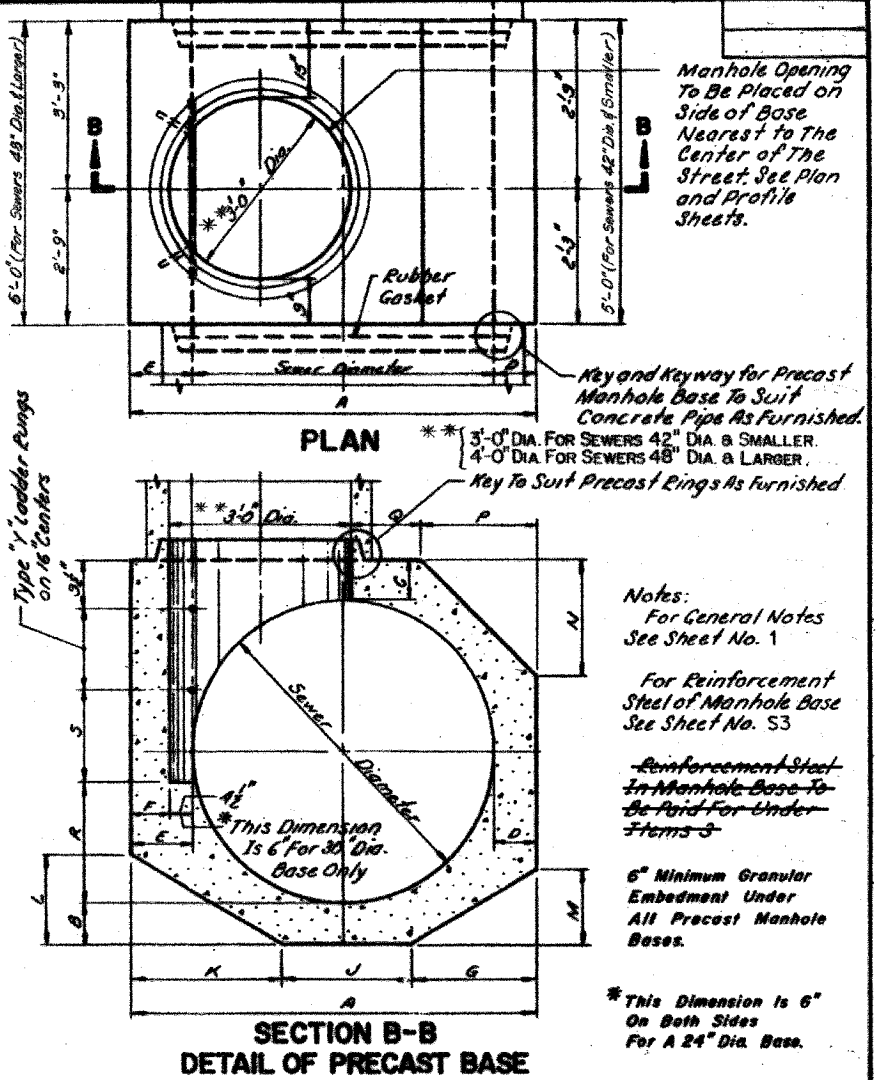
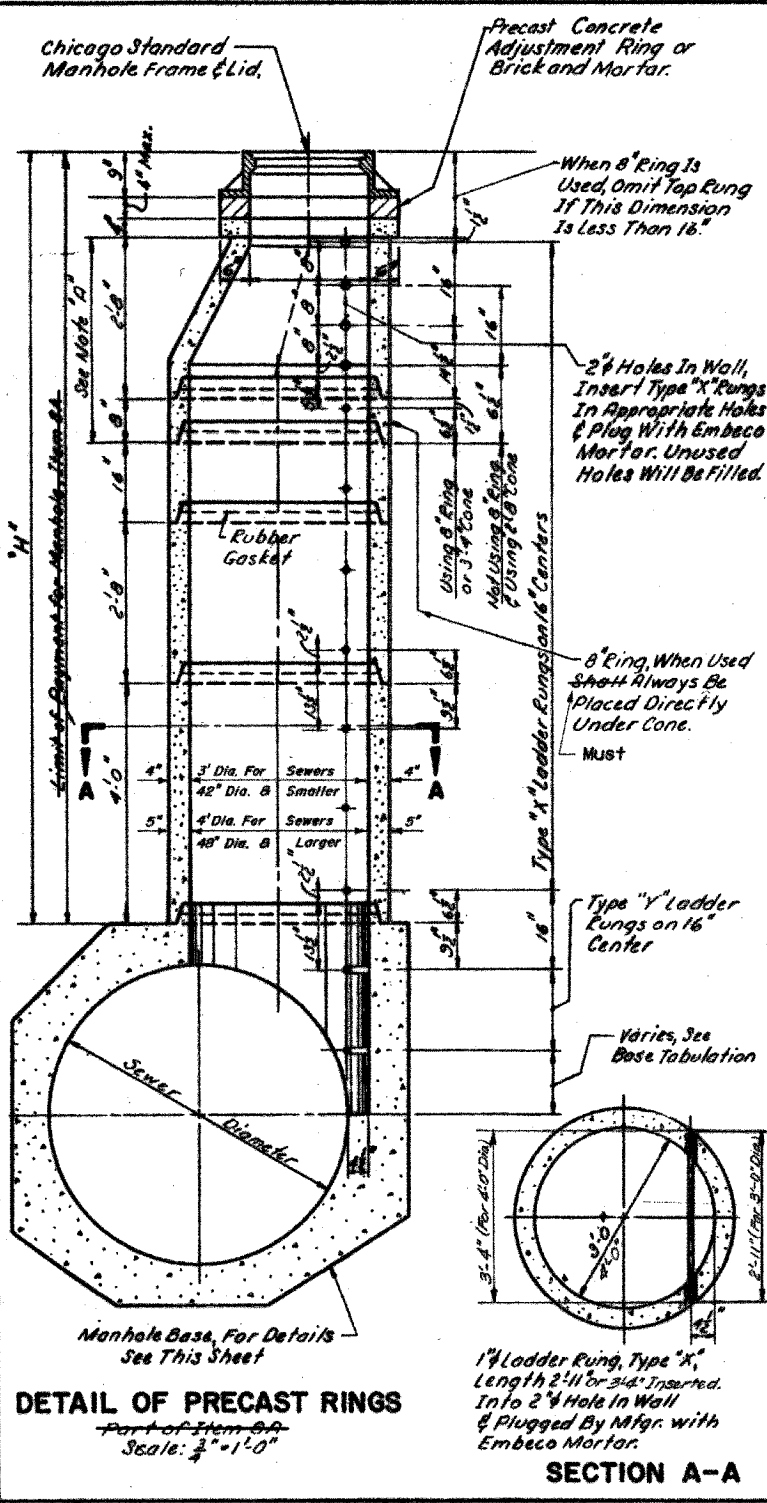
CITY OF CHICAGO  
 DEPARTMENT OF WATER MANAGEMENT  
 SEWER RELOCATION DETAIL  
 (SHEET 5 OF 9)

SCALE: NONE DRAWN BY: MB  
 DATE: MARCH 25, 2005 CHECKED BY: MPG



### NUMBER OF PRECAST RINGS REQUIRED FOR MANHOLES OF VARIOUS HEIGHTS

TOTAL HEIGHT "H"	PRECAST RINGS				BRICK AND/OR MORTAR	TOTAL HEIGHT "H"	PRECAST RINGS				BRICK AND/OR MORTAR	TOTAL HEIGHT "H"	PRECAST RINGS				BRICK AND/OR MORTAR
	4'-0"	4'-4"	4'-8"	5'-0"			4'-0"	4'-4"	4'-8"	5'-0"			4'-0"	4'-4"	4'-8"	5'-0"	
3'-0"	1					12'-0"	3					19'-0"	3				
4'-0"		1				13'-0"		1				20'-0"		1			
5'-0"			1			14'-0"			1			21'-0"			1		
6'-0"				1		15'-0"				1		22'-0"				1	
7'-0"					1	16'-0"					1	23'-0"				1	
8'-0"						17'-0"						24'-0"				1	
9'-0"						18'-0"						25'-0"				1	
10'-0"						19'-0"						26'-0"				1	
11'-0"						20'-0"						27'-0"				1	
12'-0"						21'-0"						28'-0"				1	
13'-0"						22'-0"						29'-0"				1	
14'-0"						23'-0"						30'-0"				1	
15'-0"						24'-0"						31'-0"				1	
16'-0"						25'-0"						32'-0"				1	
17'-0"						26'-0"						33'-0"				1	
18'-0"						27'-0"						34'-0"				1	
19'-0"						28'-0"						35'-0"				1	
20'-0"						29'-0"						36'-0"				1	
21'-0"						30'-0"						37'-0"				1	
22'-0"						31'-0"						38'-0"				1	
23'-0"						32'-0"						39'-0"				1	
24'-0"						33'-0"						40'-0"				1	
25'-0"						34'-0"						41'-0"				1	
26'-0"						35'-0"						42'-0"				1	
27'-0"						36'-0"						43'-0"				1	
28'-0"						37'-0"						44'-0"				1	
29'-0"						38'-0"						45'-0"				1	
30'-0"						39'-0"						46'-0"				1	
31'-0"						40'-0"						47'-0"				1	
32'-0"						41'-0"						48'-0"				1	
33'-0"						42'-0"						49'-0"				1	
34'-0"						43'-0"						50'-0"				1	
35'-0"						44'-0"						51'-0"				1	
36'-0"						45'-0"						52'-0"				1	
37'-0"						46'-0"						53'-0"				1	
38'-0"						47'-0"						54'-0"				1	
39'-0"						48'-0"						55'-0"				1	
40'-0"						49'-0"						56'-0"				1	
41'-0"						50'-0"						57'-0"				1	
42'-0"						51'-0"						58'-0"				1	
43'-0"						52'-0"						59'-0"				1	
44'-0"						53'-0"						60'-0"				1	



SEWER DIA.	PART OF ITEM	DIMENSIONS OF PRECAST MANHOLE BASE														NO. OF RUNGS					
		A	B	C	D	E	F	G	H	I	J	K	L	M	N		O	P	Q	R	S
12"	3c	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	6
10"	3c	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6
9"	3c	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	6
8"	3c	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	4
7"	3c	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4
6"	3c	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	3
5"	3c	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	2
4"	3c	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
3"	3c	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
2"	3c	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
1"	3c	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

**NOTES:**  
 Precast Concrete Rings Must Conform To A. S. T. M. Designation C76 For 'Reinforced Concrete Covert, Storm Drain, and Sewer Pipe, Class II, Wall B. Standard Lengths of Rings Are: 4'-0", 2'-8", 1'-4", 0'-8" and 0'-4" Collar. All Reinforcement Steel Required for Precast Concrete Rings Must Be Included In This Price Bid for Item 8-A. For Revisions To Home & Manholes See Specifications, Part I, 6-F.

**Note "A"**  
 Where The 8" Ring Is Indicated In The Tabulation, A Separate One Piece Cone 3 1/4" In Height May Be Used As An Alternate.

Scale of Drawing  
 1/2" = 1'-0"

**REVISIONS**

DATE	DESCRIPTION
8-20-91	Revised to Suit 48" Dia. Rings. A
3/26/91	PRELIMINARY PLAN
	APPROVED PLAN

CITY OF CHICAGO  
 DEPARTMENT OF WATER MANAGEMENT  
 BUREAU OF ENGINEERING SERVICES

**TYPE "A" MANHOLE PRECAST BASES AND RINGS**

SCALE AS SHOWN CONTRACT SHEET NO.

TYLIN INTERNATIONAL

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

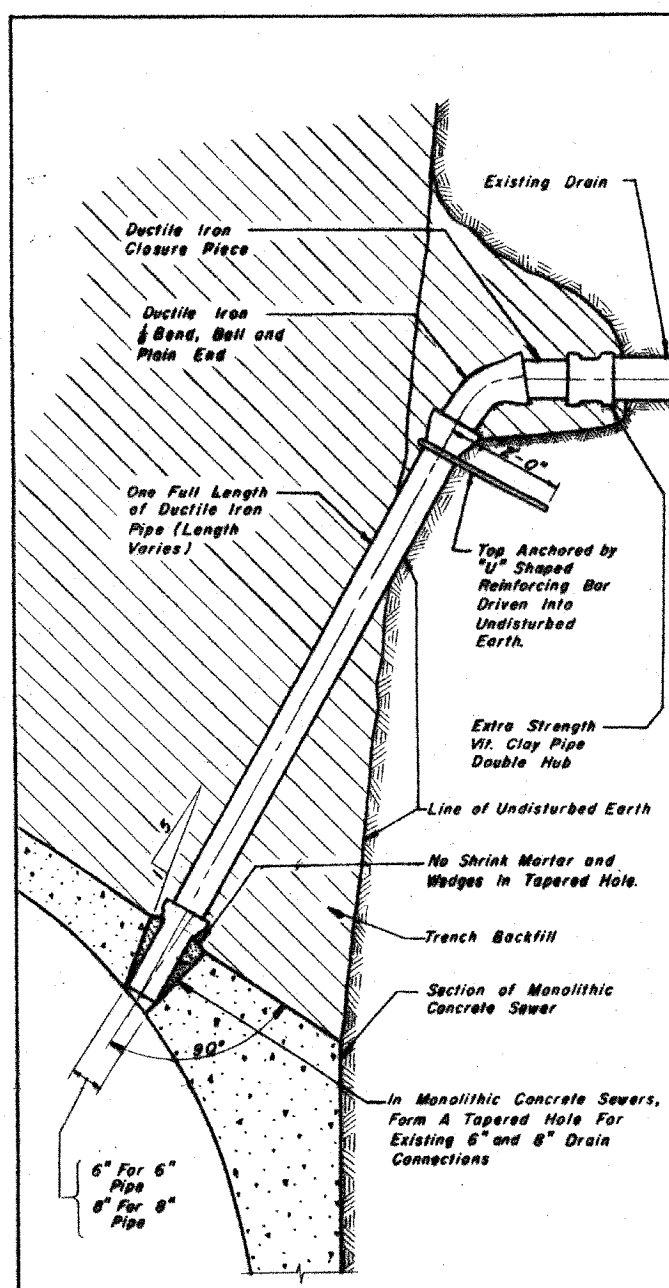
**REVISIONS**

NAME	DATE

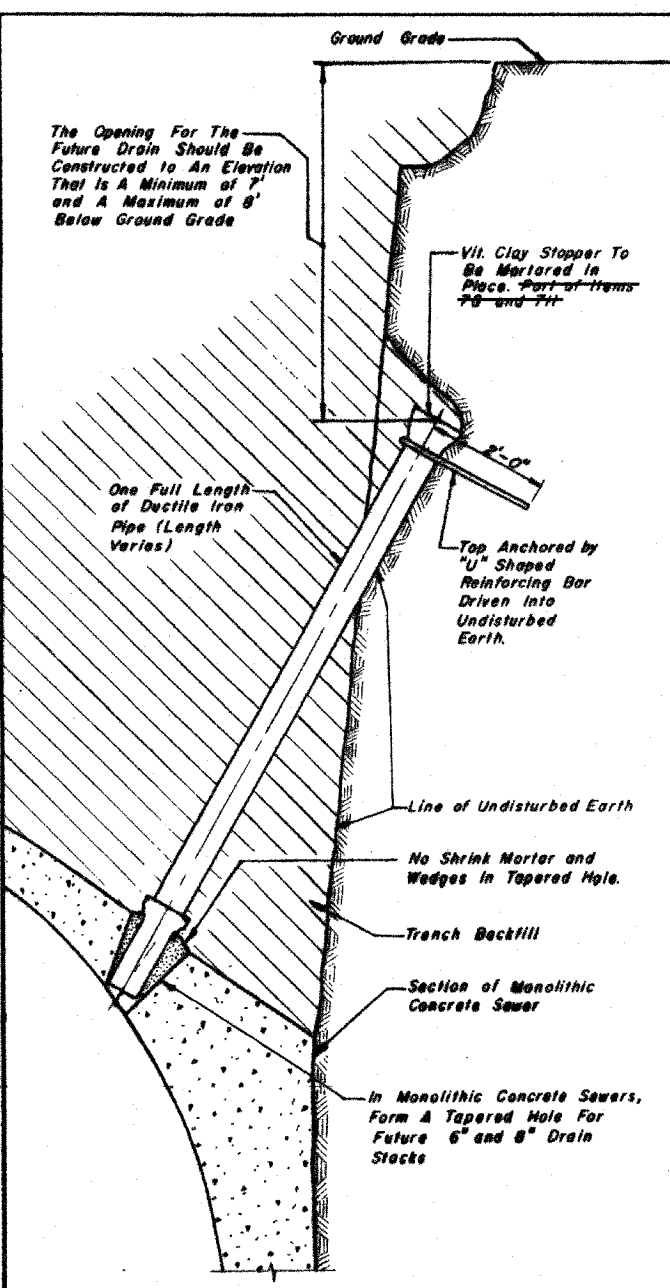
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO  
 DEPARTMENT OF WATER MANAGEMENT  
 SEWER RELOCATION DETAIL  
 (SHEET 6 OF 9)

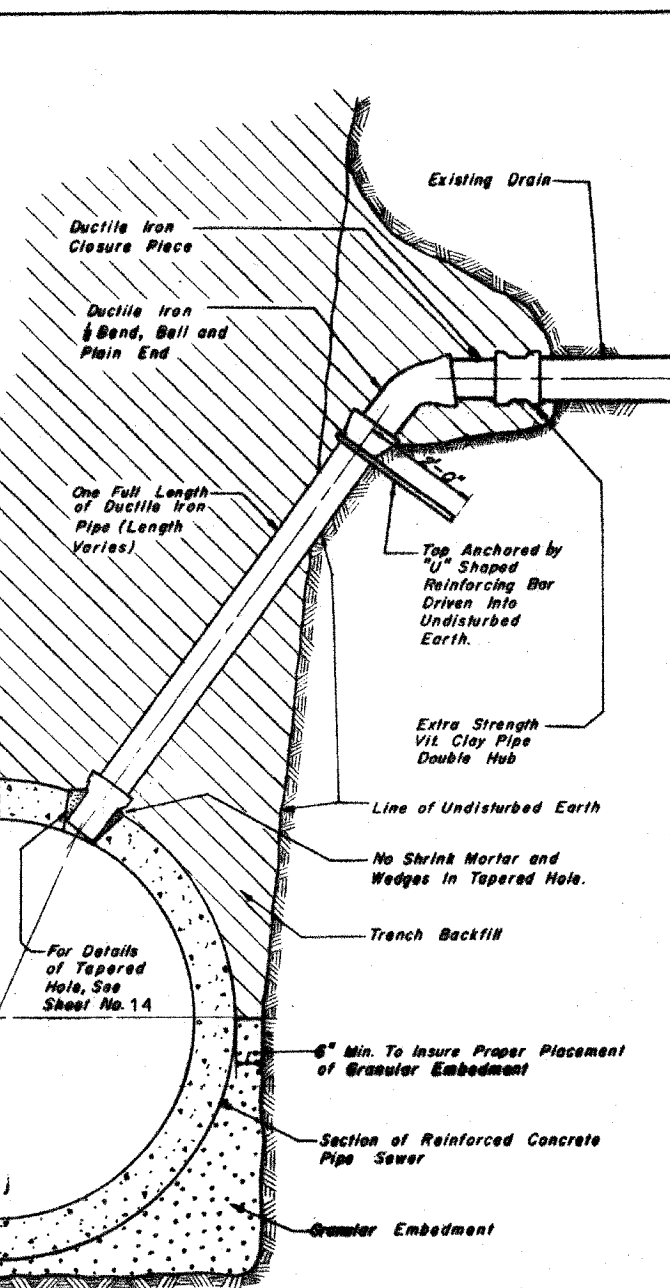
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 DATE: MARCH 25, 2005 CHECKED BY: MPG



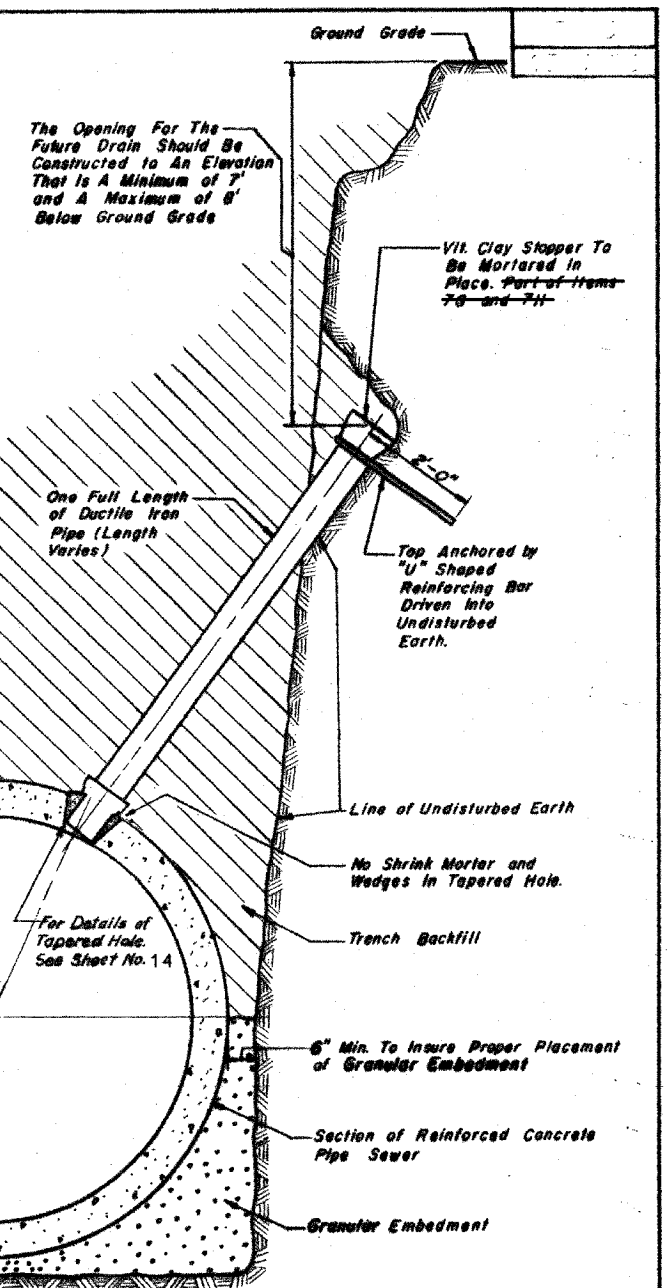
**ELEVATION**  
TYPICAL DRAIN CONNECTIONS  
FOR EXISTING DRAINS  
*Items 76 and 77*



**ELEVATION**  
TYPICAL DRAIN STACKS  
FOR FUTURE USE  
*Items 76 and 77*



**ELEVATION**  
TYPICAL DRAIN CONNECTIONS  
FOR EXISTING DRAINS  
*Items 76 and 77*



**ELEVATION**  
TYPICAL DRAIN STACKS  
FOR FUTURE USE  
*Items 76 and 77*

FOR MONOLITHIC CONCRETE SEWERS

FOR REINFORCED CONCRETE PIPE SEWERS

CITY OF CHICAGO

DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

**DUCTILE IRON PIPE  
DRAIN CONNECTIONS**

SCALE: NONE

CONTRACT  
SHEET NO.

**Notes:**  
Ductile Iron Pipe Must Be Bell End with Push-On Joints Conforming To ANSI Specifications A21.31 with Class 52 Thickness. Connections and Stacks Shown Shall Be Used For 6" and 8" Drains Only. No Additional Payment Will Be Made For the Use of Ductile Iron Drain Connections and Stacks, and All Costs For This Work Shall Be Included In the Prices Bid For Items 76 and 77. For Vitrified Clay Pipe Drain Connection and Drain Stack Construction, See Sheet No. 78.

DATE	DESCRIPTION
9/26/01	PRELIMINARY PLAN
	APPROVED PLAN

DRAWN BY: Reproduction  
DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

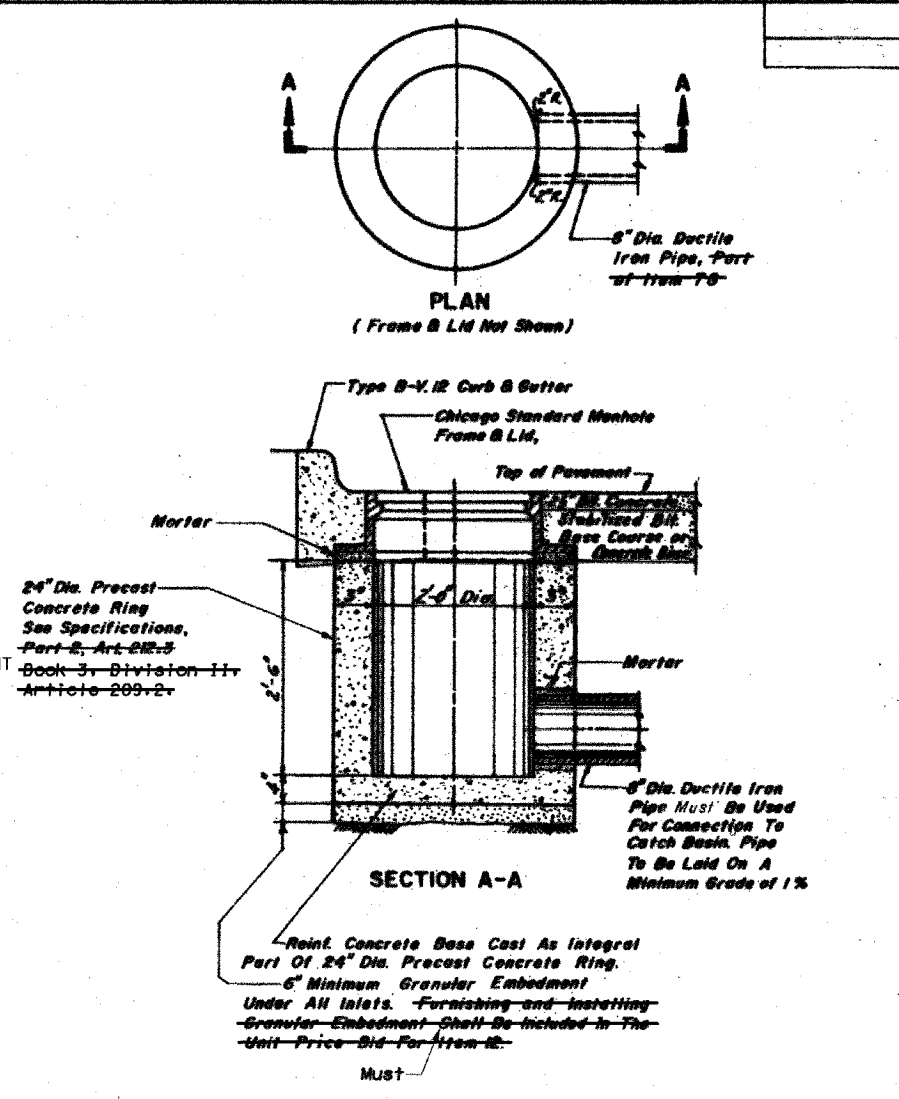
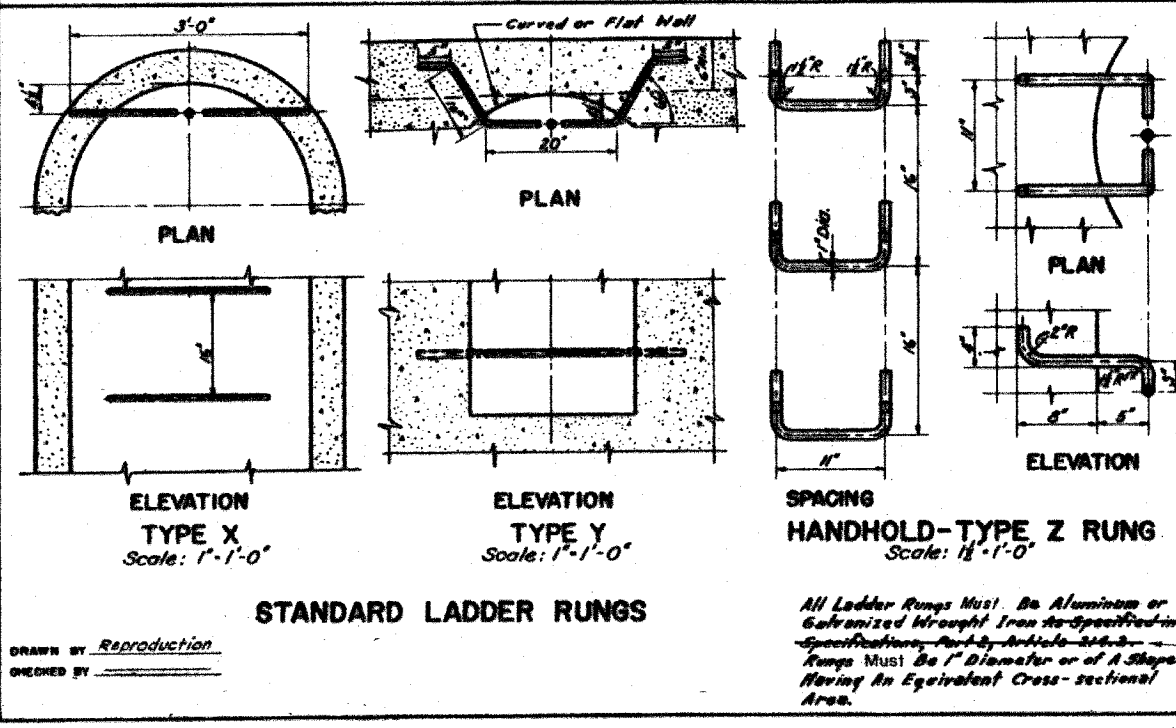
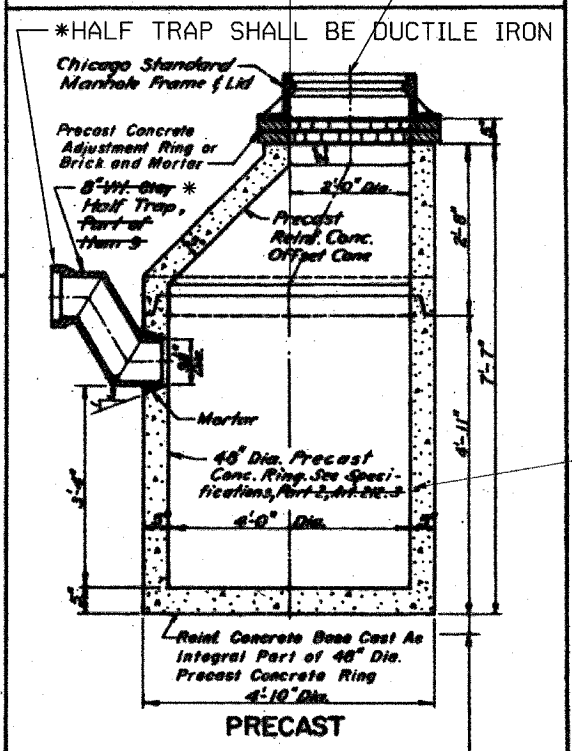
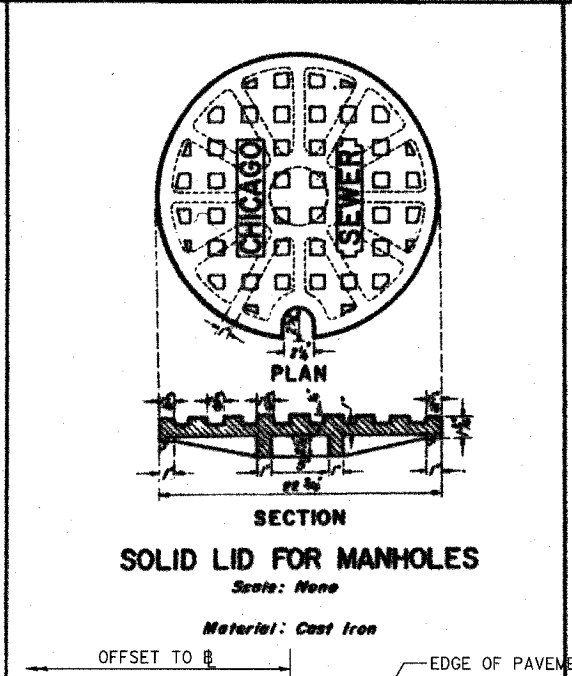
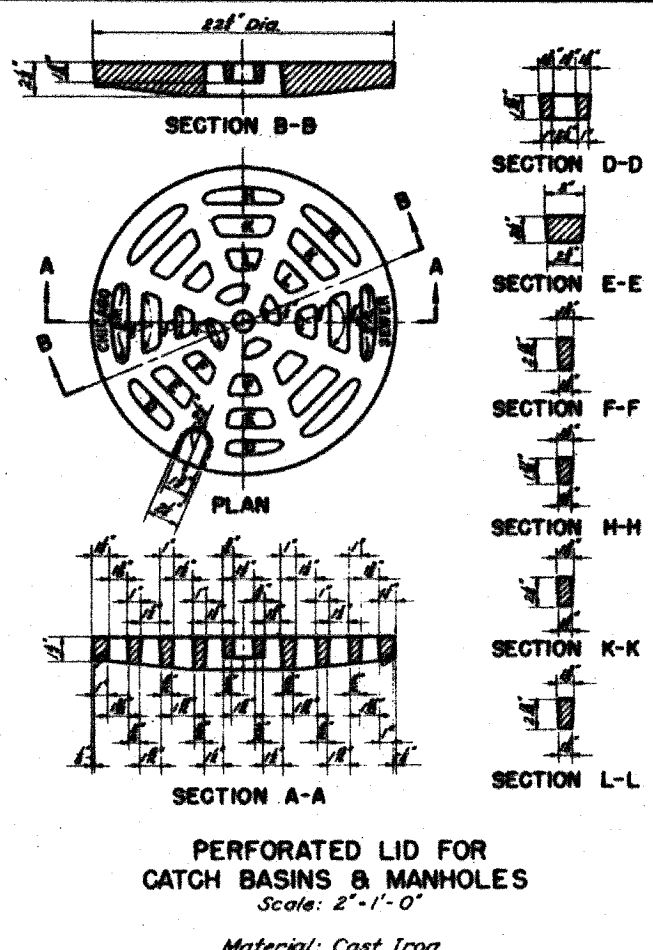
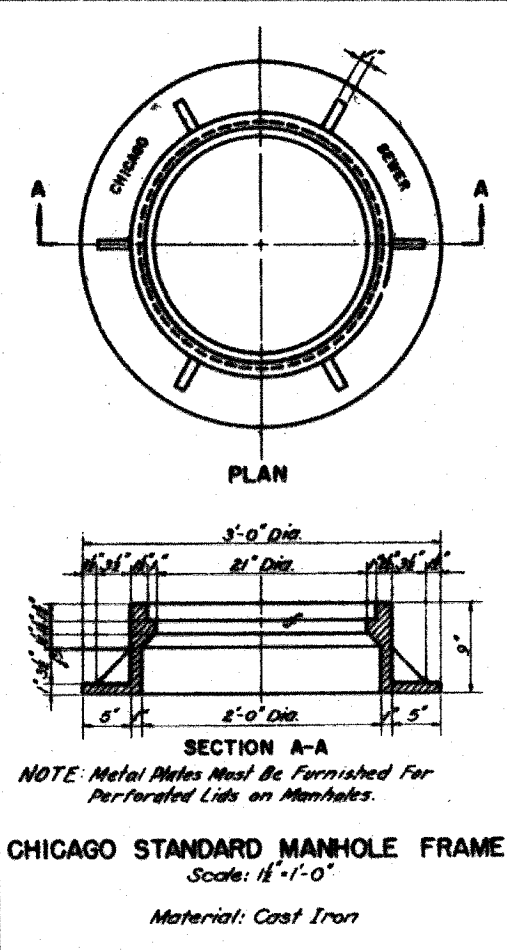
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 7 OF 9)

SCALE: NONE  
DATE: MARCH 25, 2005  
DRAWN BY: MB  
CHECKED BY: MPG

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For General Notes See Sheet No. 1

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

**CATCH BASINS, INLET AND MANHOLE DETAILS**

CONTRACT SHEET NO.

DATE	DESCRIPTION
3/26/01	PRELIMINARY PLAN
	APPROVED PLAN

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

TYLIN INTERNATIONAL

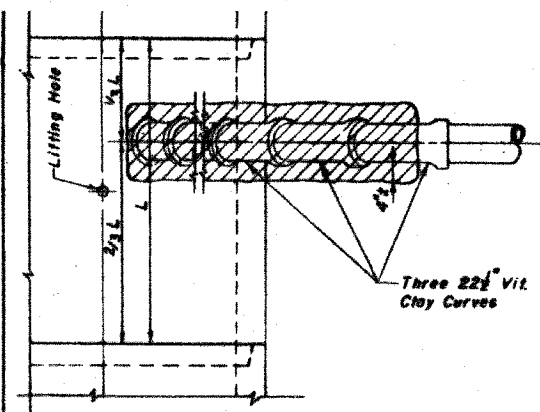
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

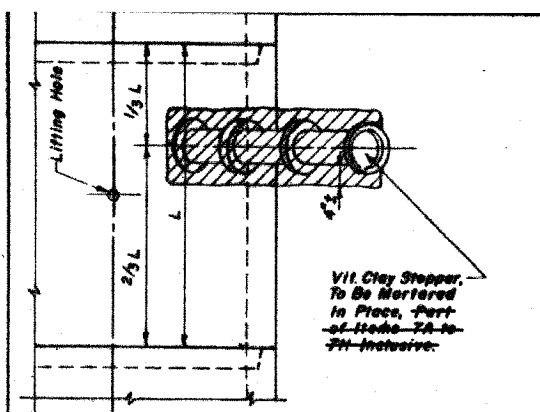
CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 8 OF 9)

SCALE: NONE  
DATE: MARCH 25, 2005

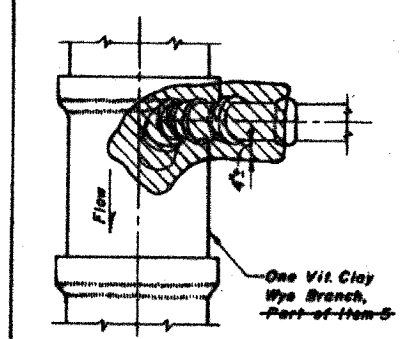
DRAWN BY: MB  
CHECKED BY: MPG



PLAN

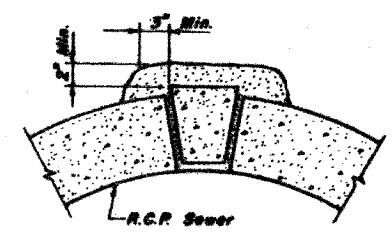


PLAN

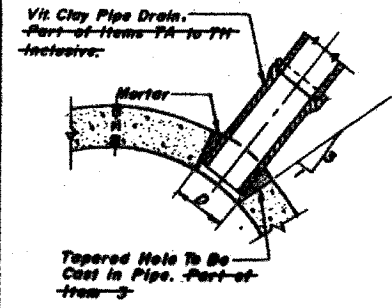


PLAN

NOTE:  
Plug to be Coated with Mortar and Driven into Place with a Wooden Mallet and then Sealed with Mortar.

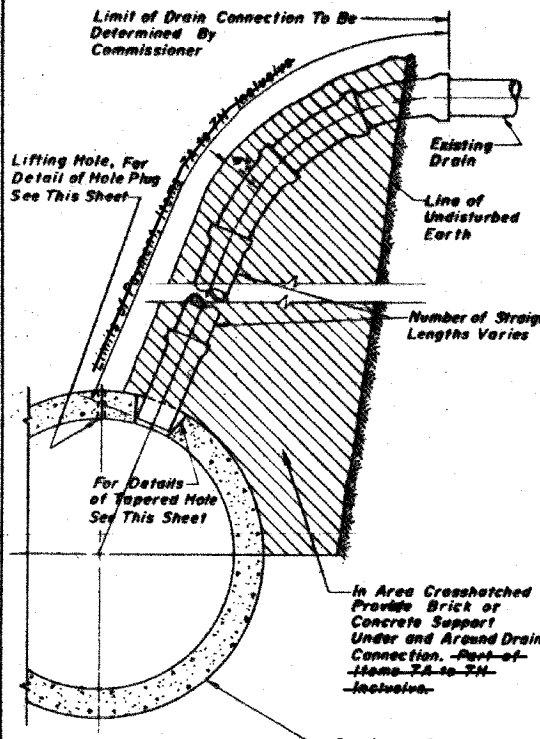


LIFTING HOLE PLUG DETAIL FOR CONCRETE PIPE  
Part of Item 3

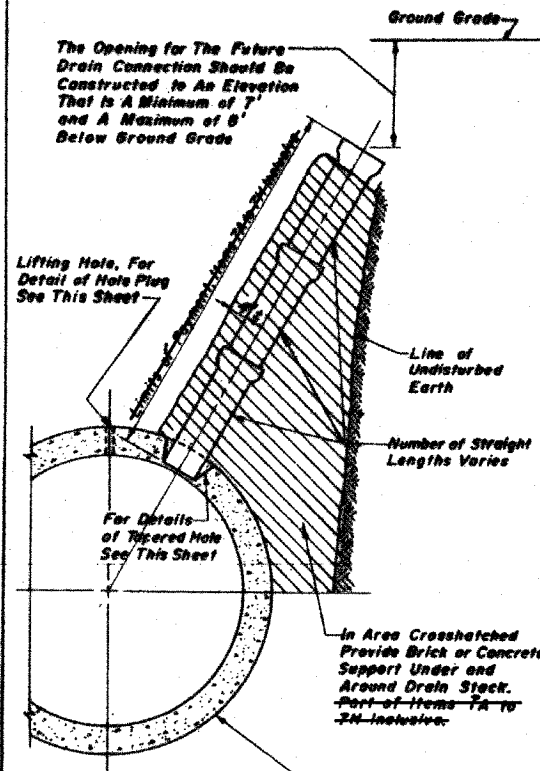


DETAIL OF TAPERED HOLE

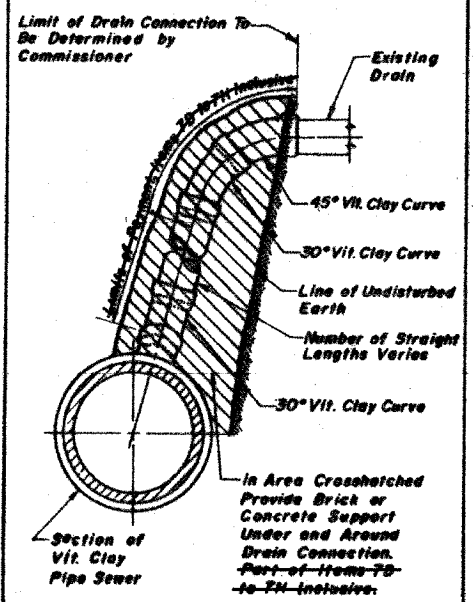
SIZE OF DRAIN	"D"
6"	6 1/2"
8"	9 1/2"
10"	11 1/2"
12"	13 1/2"
15"	17"
18"	20 1/2"
21"	23 1/2"
24"	27 1/2"



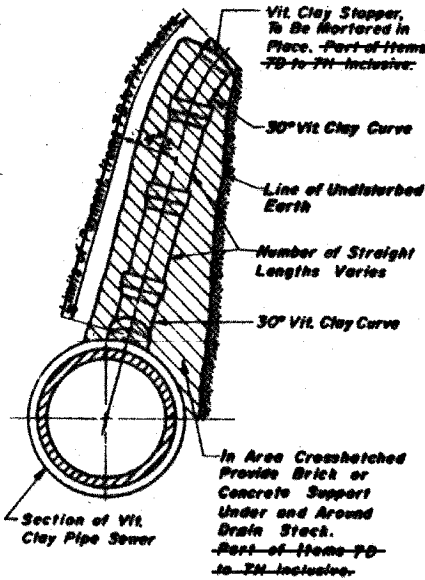
ELEVATION  
TYPICAL DRAIN CONNECTIONS FOR EXISTING DRAINS  
Items 2A to 2H Inclusive



ELEVATION  
TYPICAL DRAIN STACKS FOR FUTURE USE  
Items 2A to 2H Inclusive

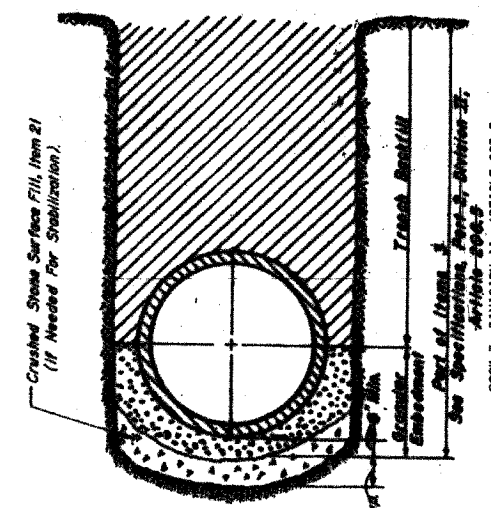


ELEVATION  
TYPICAL DRAIN CONNECTIONS FOR EXISTING DRAINS  
Items 2B to 2H Inclusive



ELEVATION  
TYPICAL DRAIN STACKS FOR FUTURE USE  
Items 2B to 2H Inclusive

NOTE:  
Granular Material Will Be Used As Bedding For All Pipe Sewers; See Specifications, Book 3, Division II, Articles 207.3 & 208.3.



DETAIL OF GRANULAR EMBEDMENT AND STABILIZATION FOR PIPE SEWER  
SEE SPECIFICATIONS, BOOK 3, DIVISION II, ARTICLES 207.3 & 208.3

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

VITRIFIED CLAY PIPE DRAIN CONNECTIONS

CONTRACT SHEET NO.

REVISIONS	
DATE	DESCRIPTION
5/26/01	PRELIMINARY PLAN
	APPROVED PLAN

All Drain Connection Joints Must Be Made With Oshum and Mortar As Specified in Specifications, Part 2, Article 210.5, BOOK 3, DIVISION II, ARTICLE 207.3 FOR DUCTILE IRON PIPE DRAIN CONNECTIONS SEE SHEET NO. 8 OF 10



DRAWN BY REPRODUCTION  
CHECKED BY \_\_\_\_\_

NOTE: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY. ALL REFERENCES TO PAY ITEMS OR PAY LIMITS SHOULD BE IGNORED. SEE SPECIAL PROVISIONS FOR PAY ITEMS.

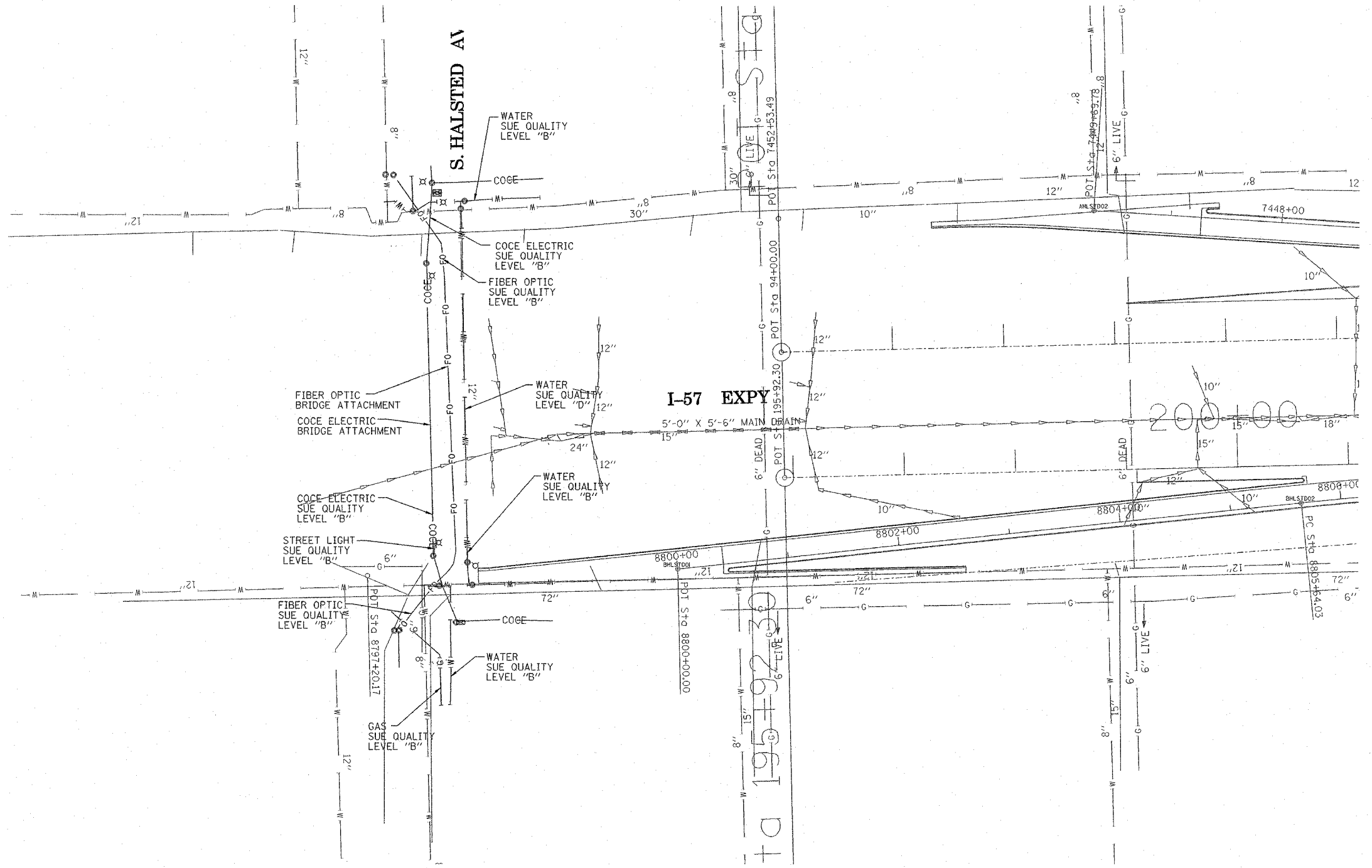
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT  
SEWER RELOCATION DETAIL  
(SHEET 9 OF 9)

SCALE: NONE  
DATE: MARCH 25, 2005  
DRAWN BY: MB  
CHECKED BY: MPG

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516.1,1717 & 1818-6	Cook	907	280
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 1 of 30  
 Checked by: *Sada J. Davis PE*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙	⊙	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

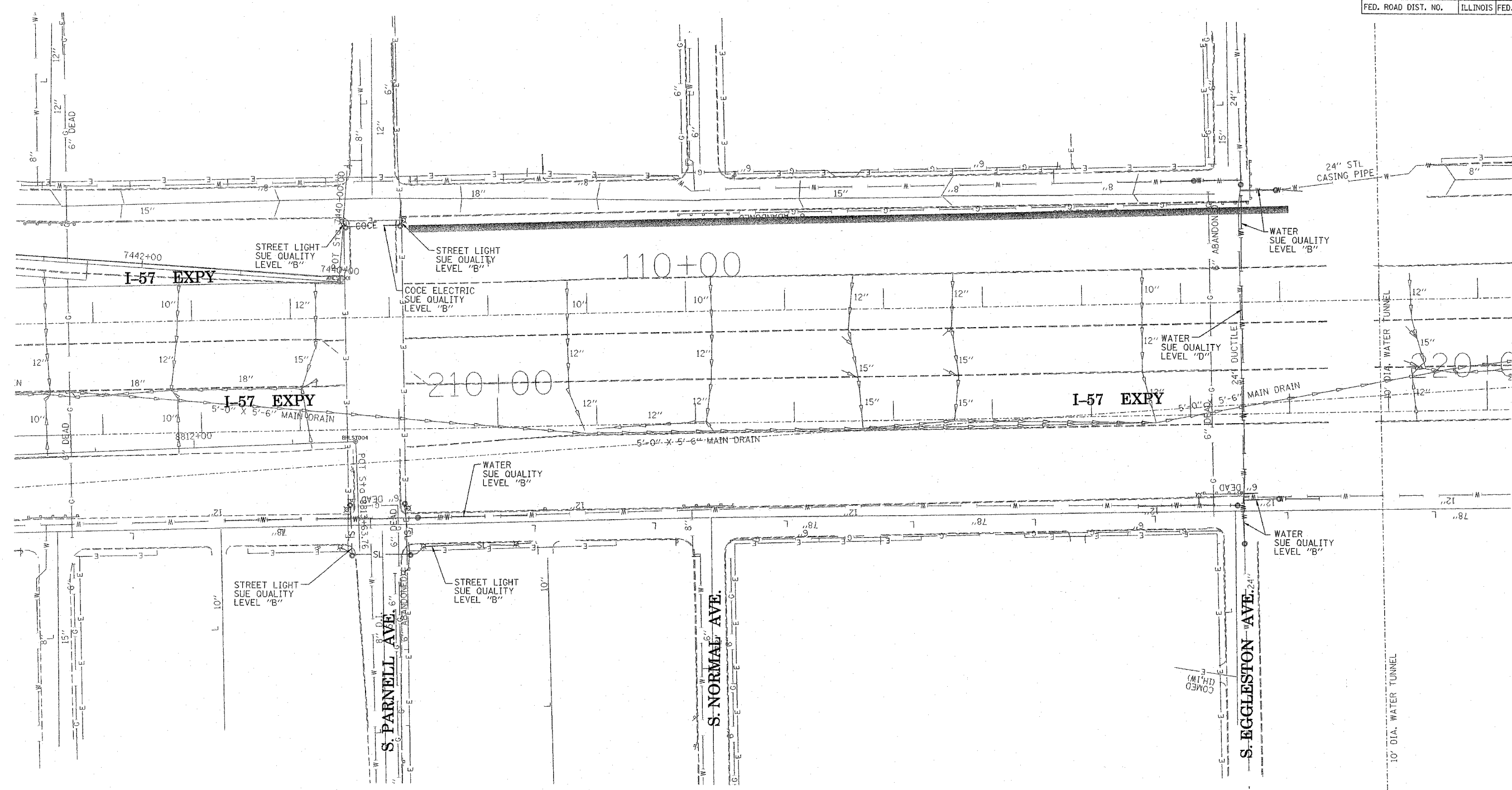
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 DRAWN BY : KLC  
 SCALE : 1" = 50'  
 SQL "B" DATE : 7/22/04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516.1,1717 & 1818-6	Cook	907	281
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 P.A.V.A. CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA  
 IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 2 of 30  
 Checked by: *[Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

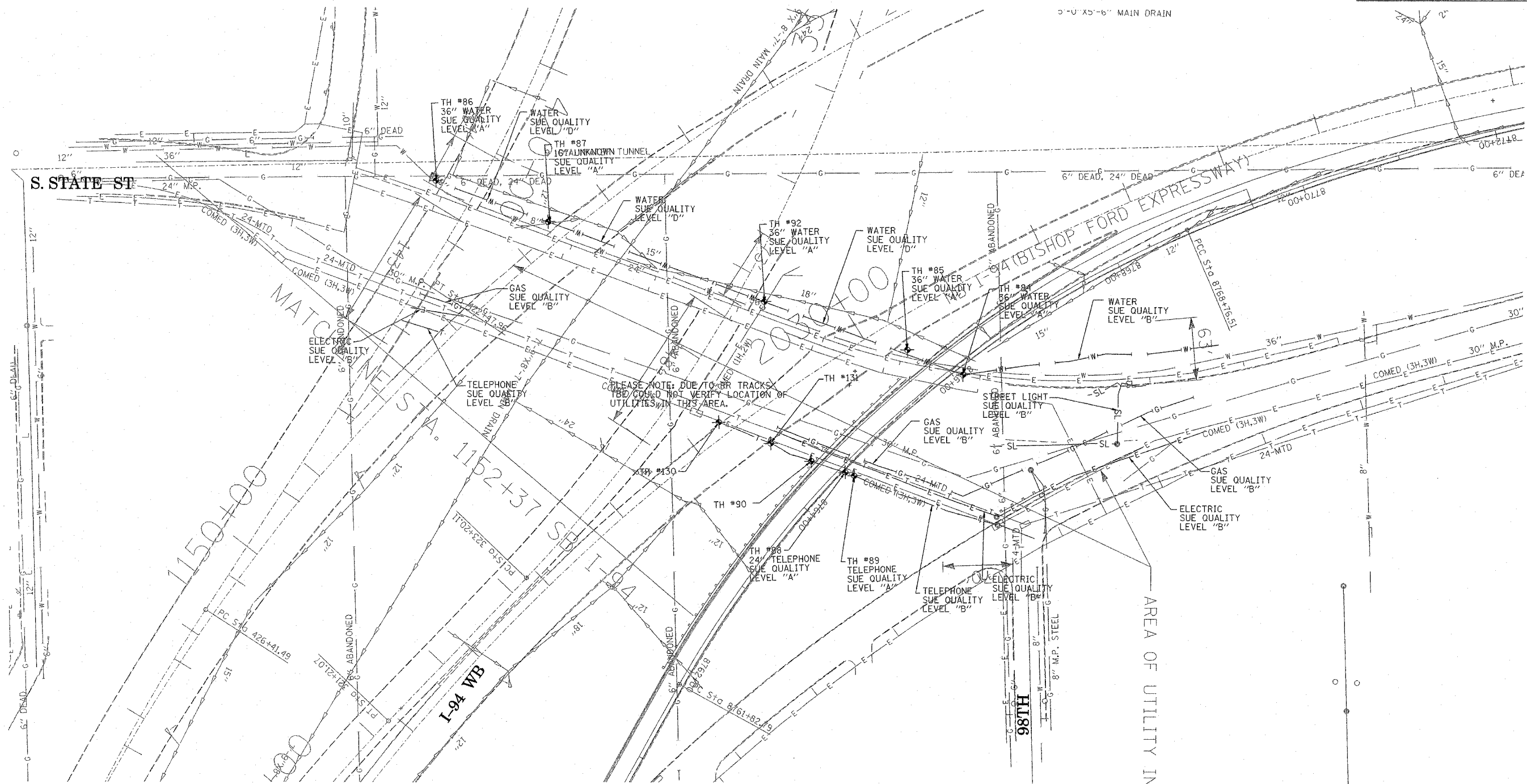
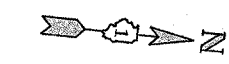
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(1516,1717 & 1818)-6	Cook	407	282
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			




**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230  
 TBE SUE PAGE NO: 3 of 36  
 Checked by: *[Signature]* 3/14/05  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

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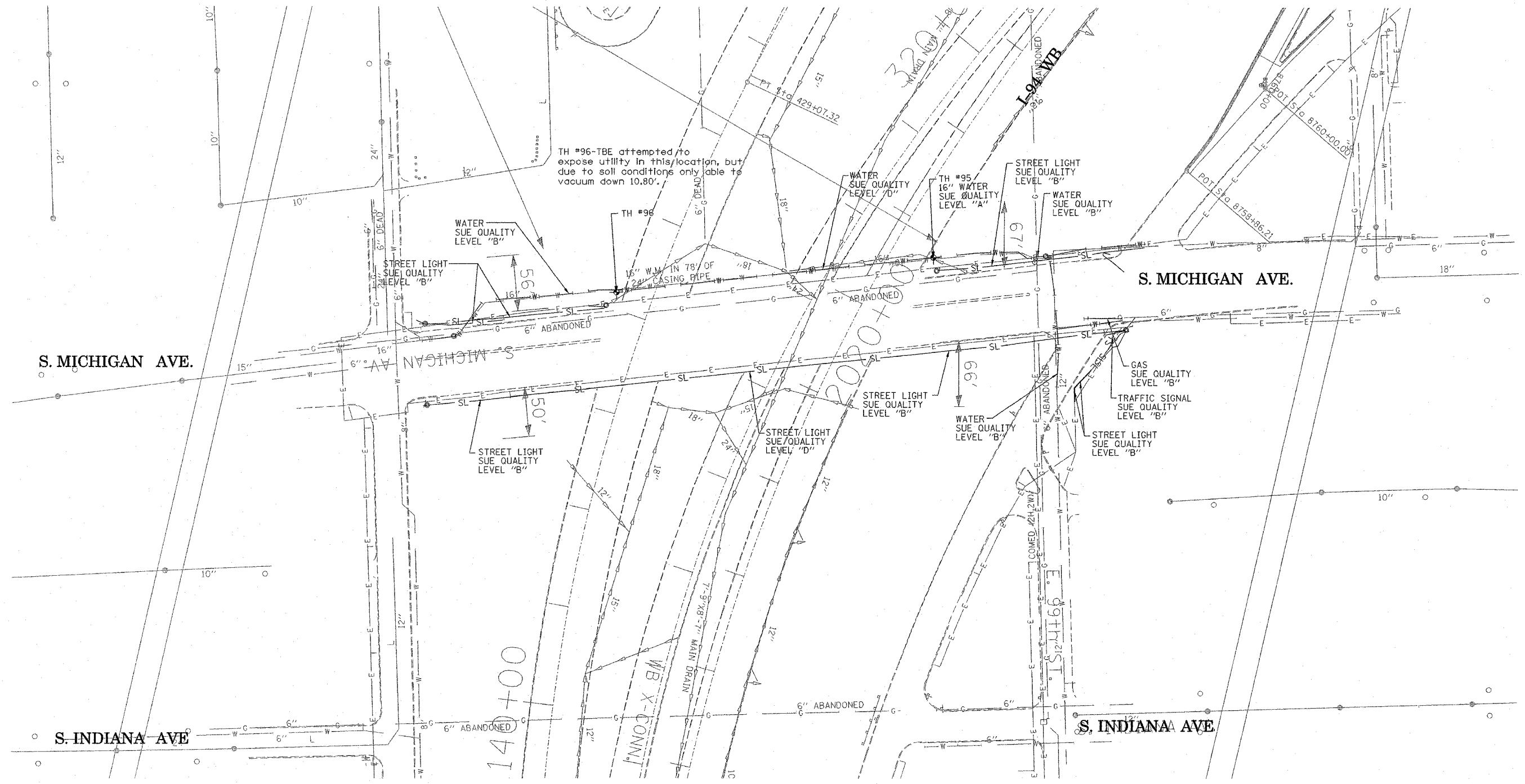
  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From 1-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "A" DATE : 2/17/05  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1516.11717 & 1818-6	Cook	907	283
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TH #96-TBE attempted to expose utility in this location, but due to soil conditions only able to vacuum down 10.80'.

S. MICHIGAN AVE.

S. MICHIGAN AVE.

S. INDIANA AVE

S. INDIANA AVE

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 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
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 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA  
 IL09500167, 168, 170, 171, 176, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 4 of 30  
 Checked by: *Sandra Z...*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

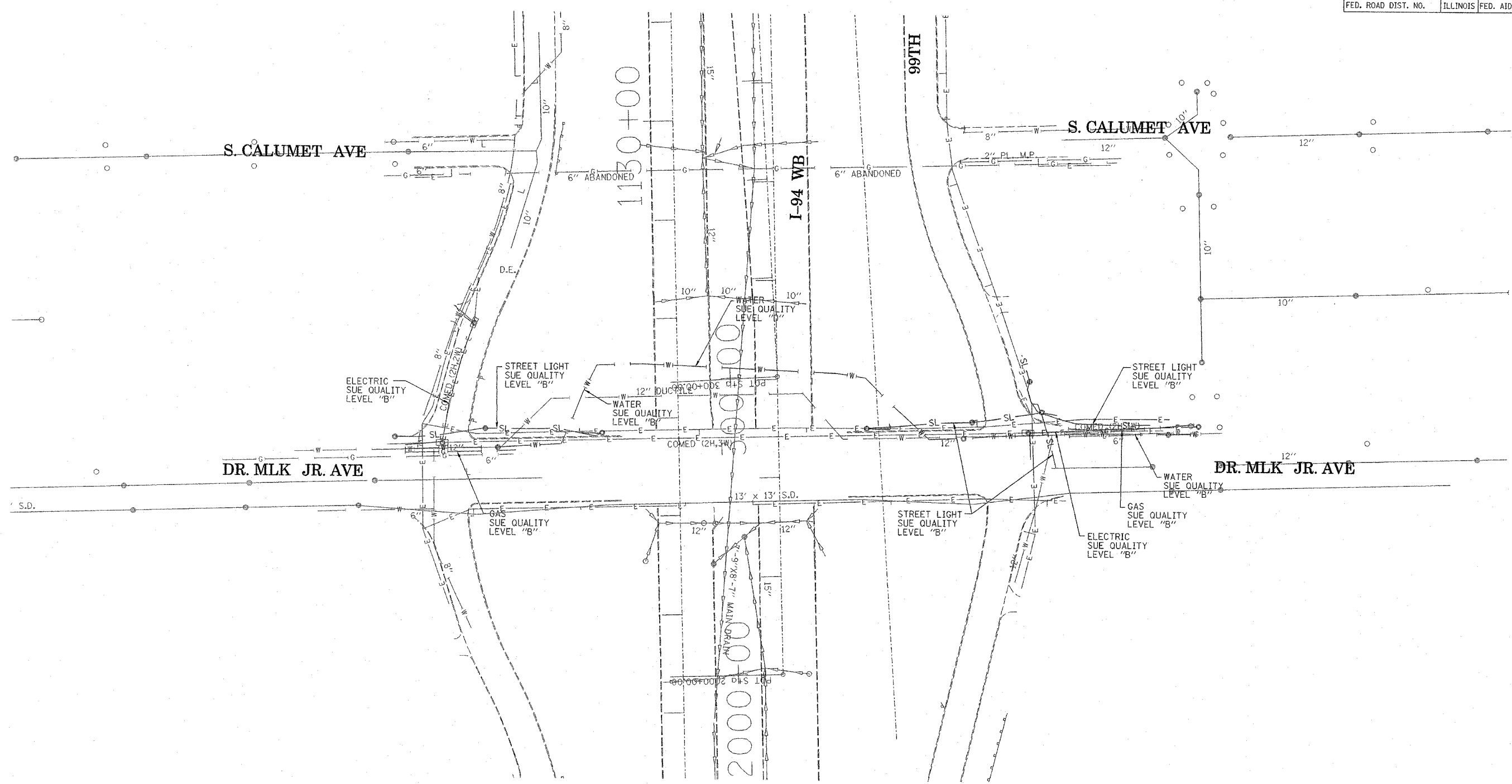
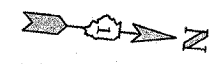
Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

 205 W. WACKER DRIVE SUITE 1020 CHICAGO, IL 60606 (312) 704-1970	REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  SUE Investigation of Underground Utilities I-94 NB & SB of Dan Ryan Expressway From I-57 to 43rd Street Contract No: 62586, 62589, 62590, 62594, 62693  SQL "A" DATE : 12/10/04      DRAWN BY : KLC SQL "B" DATE : 7/22/04      SCALE : 1" = 50'
	NAME	DATE	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1516, 1717 & 1818-6	Cook	207	204
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

ILO9500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 5 of 30  
 Checked by: *Sasha Jones*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

— TS —	— TS —	TRAFFIC SIGNAL
— SL —	— SL —	STREET LIGHT
— COCE —		CITY OF CHICAGO ELECTRIC
— T —	— T —	TELEPHONE
— W —	— W —	WATER
— G —	— G —	GAS
— CTV —	— CTV —	CABLE TELEVISION
— FO —	— FO —	FIBER OPTIC
— E —	— E —	ELECTRIC
●		TEST HOLE

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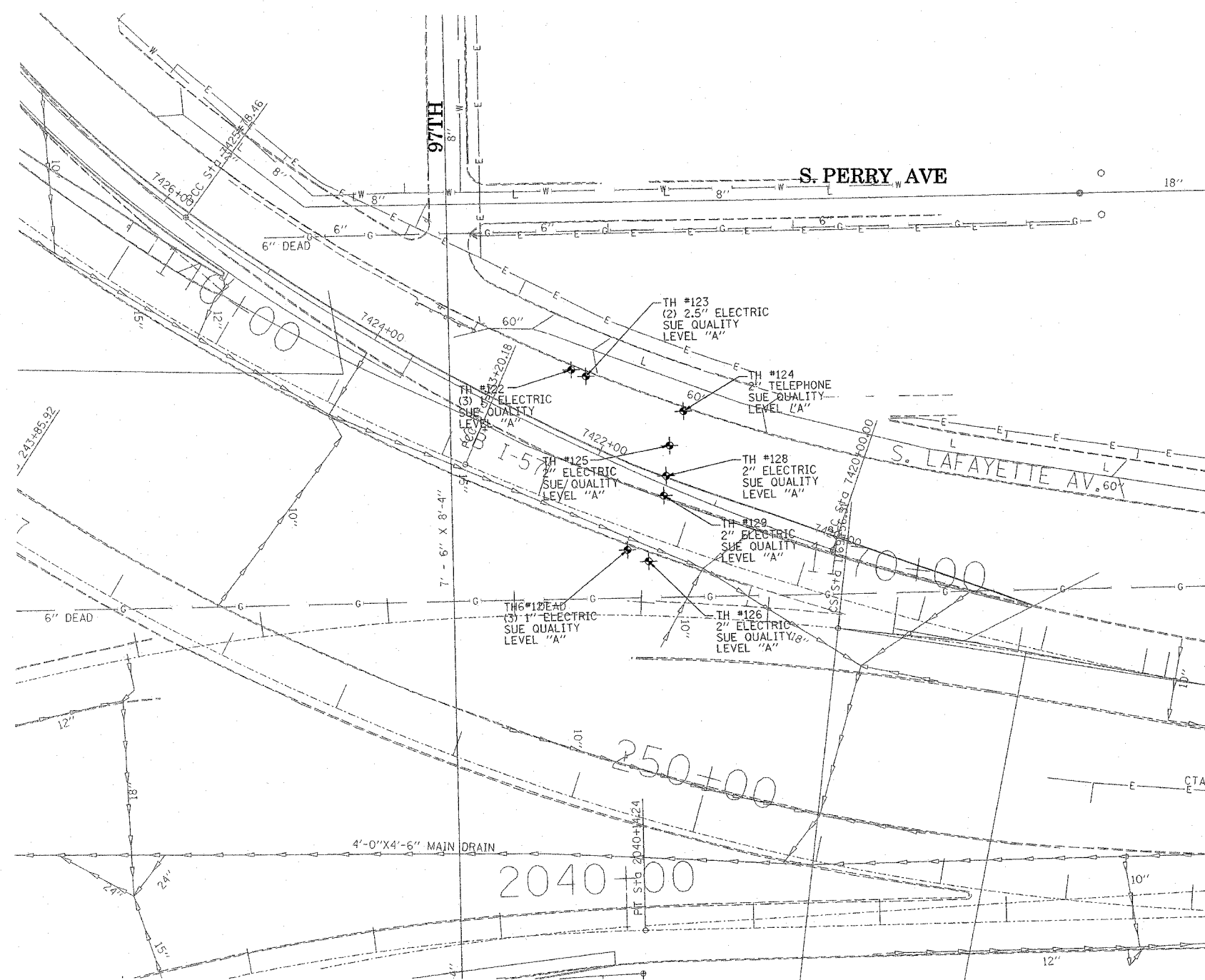
205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SQL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516,1717 & 1818-6	Cook	907	285
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		




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 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230  
 TBE SUE PAGE NO: 6 of 36  
 Checked by: *[Signature]* 3/14/05  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

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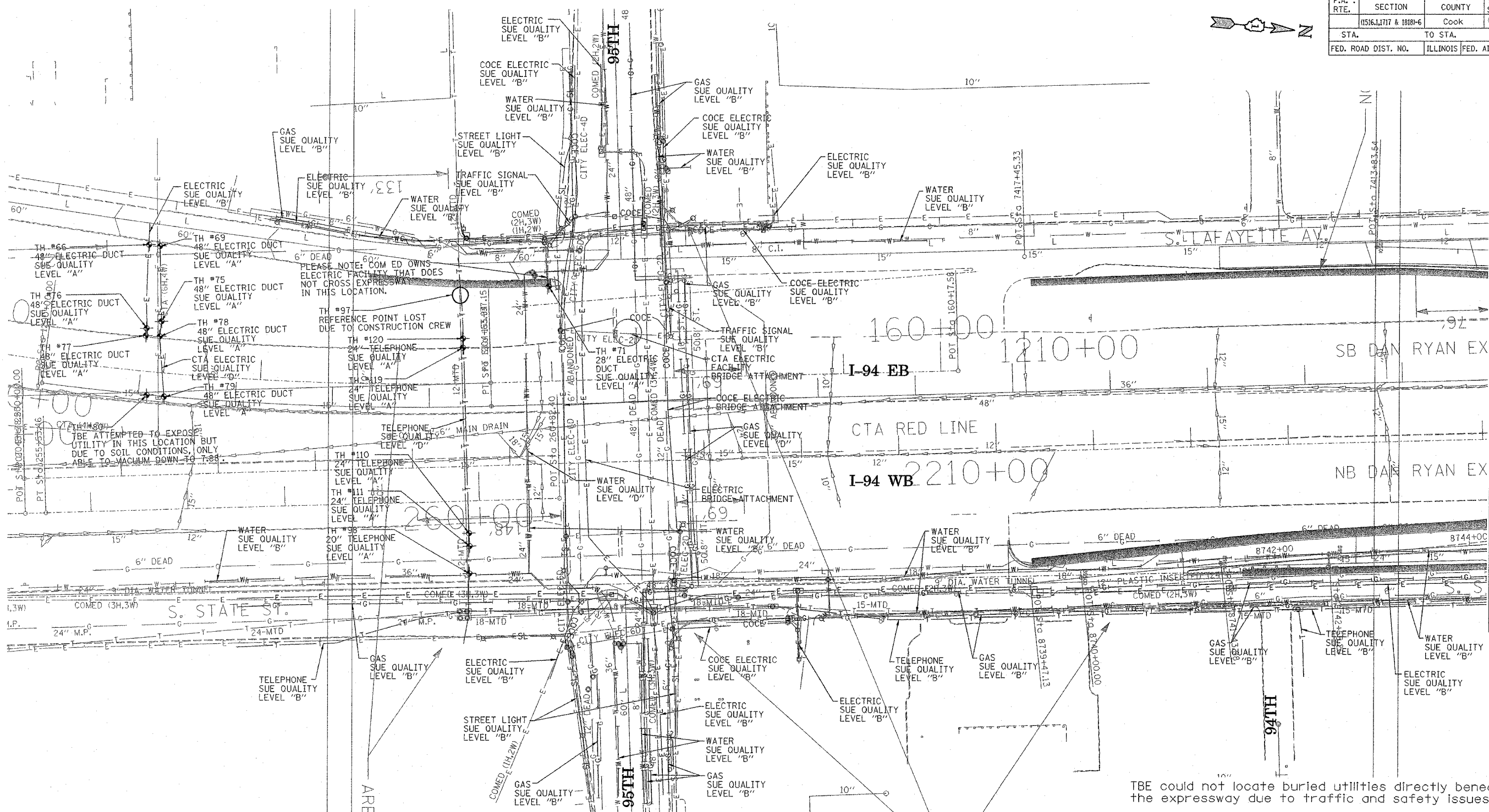
  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

SUE Quality Level "B" not requested in this location.  
 TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "A" DATE : 2/17/05  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(1516,1717 & 1818)-6	Cook	907	286	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

CTA could not send as-built plans for review. TBE met with Leo Bazelewski, Testing Engineer for CTA regarding their facilities.

Size given for Electric Duct is width only.

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 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
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 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230  
 TBE SUE PAGE NO: 7 of 36  
 Checked by: *[Signature]* 3/4/05  
 SUE Quality Level "A": Test Holes  
 SUE Quality Level "B": Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

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205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

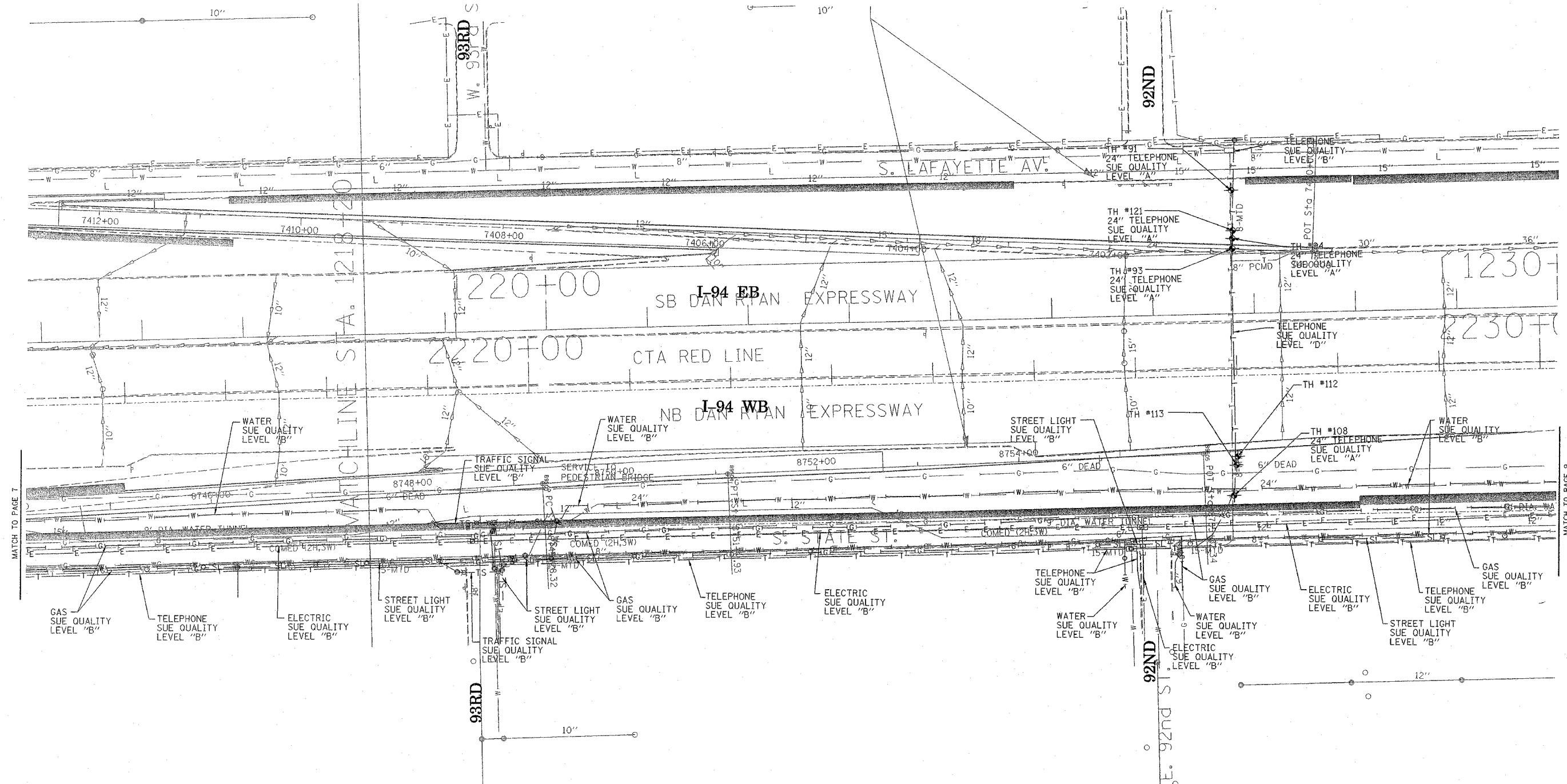
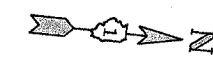
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693

SOL "A" DATE: 2/17/05      DRAWN BY: KLC  
 SOL "B" DATE: 7/22/04      SCALE: 1" = 50'

MATCH TO PAGE 8

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10516.1717 & 1810-6	Cook	907	287
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




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 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
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 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204,  
 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230  
 TBE SUE PAGE NO: 8 of 36  
 Checked by: *[Signature]* 3/4/05  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
○	○	TEST HOLE

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 (312) 704-1970

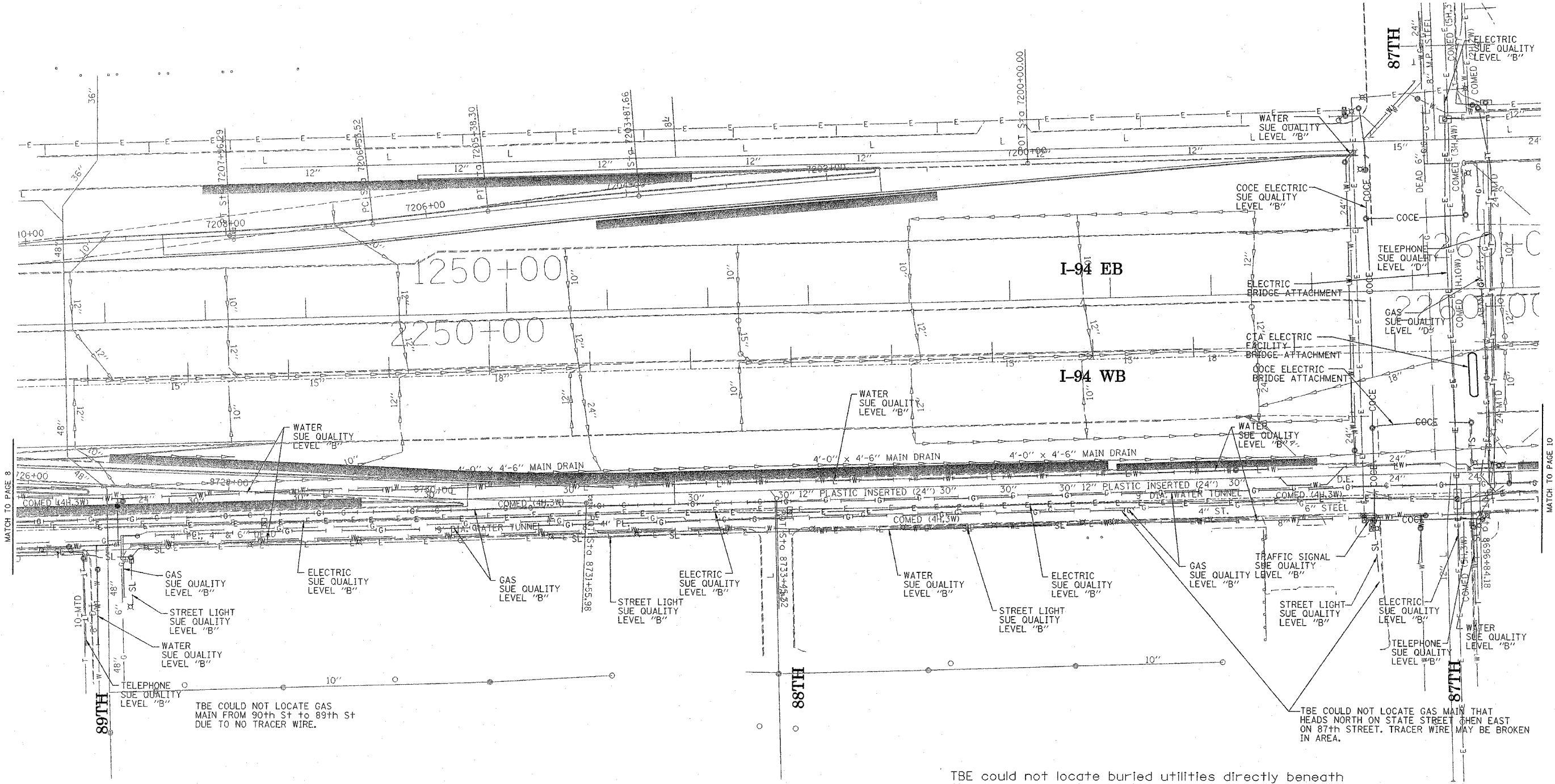
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693

SQL "A" DATE: 2/17/05      DRAWN BY: KLC  
 SQL "B" DATE: 7/22/04      SCALE: 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516.1,177 & 1818-6	Cook	907	288
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TBE COULD NOT LOCATE GAS MAIN FROM 90th St to 89th St DUE TO NO TRACER WIRE.

TBE COULD NOT LOCATE GAS MAIN THAT HEADS NORTH ON STATE STREET THEN EAST ON 87th STREET. TRACER WIRE MAY BE BROKEN IN AREA.

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CTA could not send as-built plans for review. TBE met with Leo Bazelewski, Testing Engineer for CTA regarding their facilities.



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 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 9 of 30  
 Checked by: *[Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

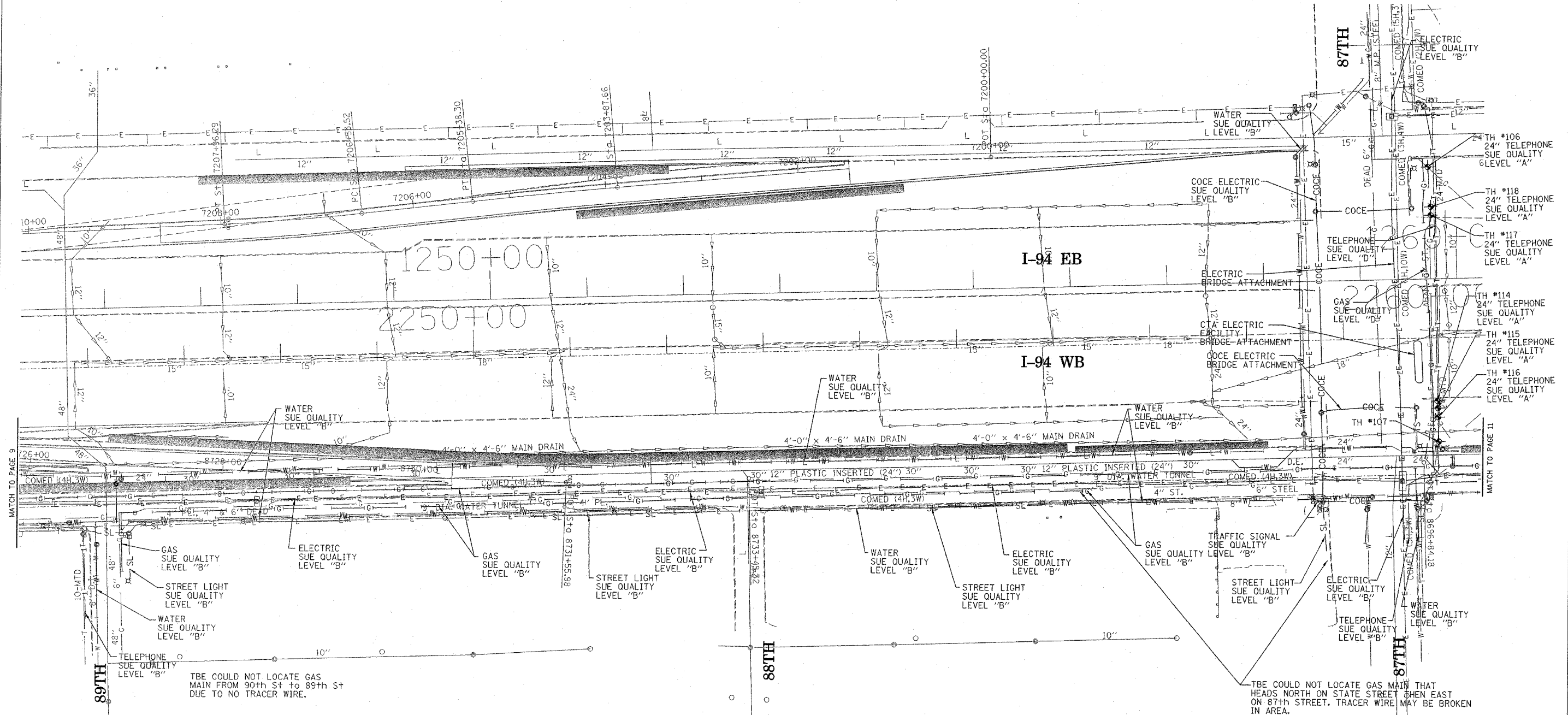
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205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11516, 11717 & 18181-6	Cook	907	281
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TBE COULD NOT LOCATE GAS MAIN FROM 90th St to 89th St DUE TO NO TRACER WIRE.

TBE COULD NOT LOCATE GAS MAIN THAT HEADS NORTH ON STATE STREET THEN EAST ON 87th STREET. TRACER WIRE MAY BE BROKEN IN AREA.

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 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230  
 TBE SUE PAGE NO: 10 of 36  
 Checked by: *[Signature]* 3/14/05  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙	⊙	TEST HOLE

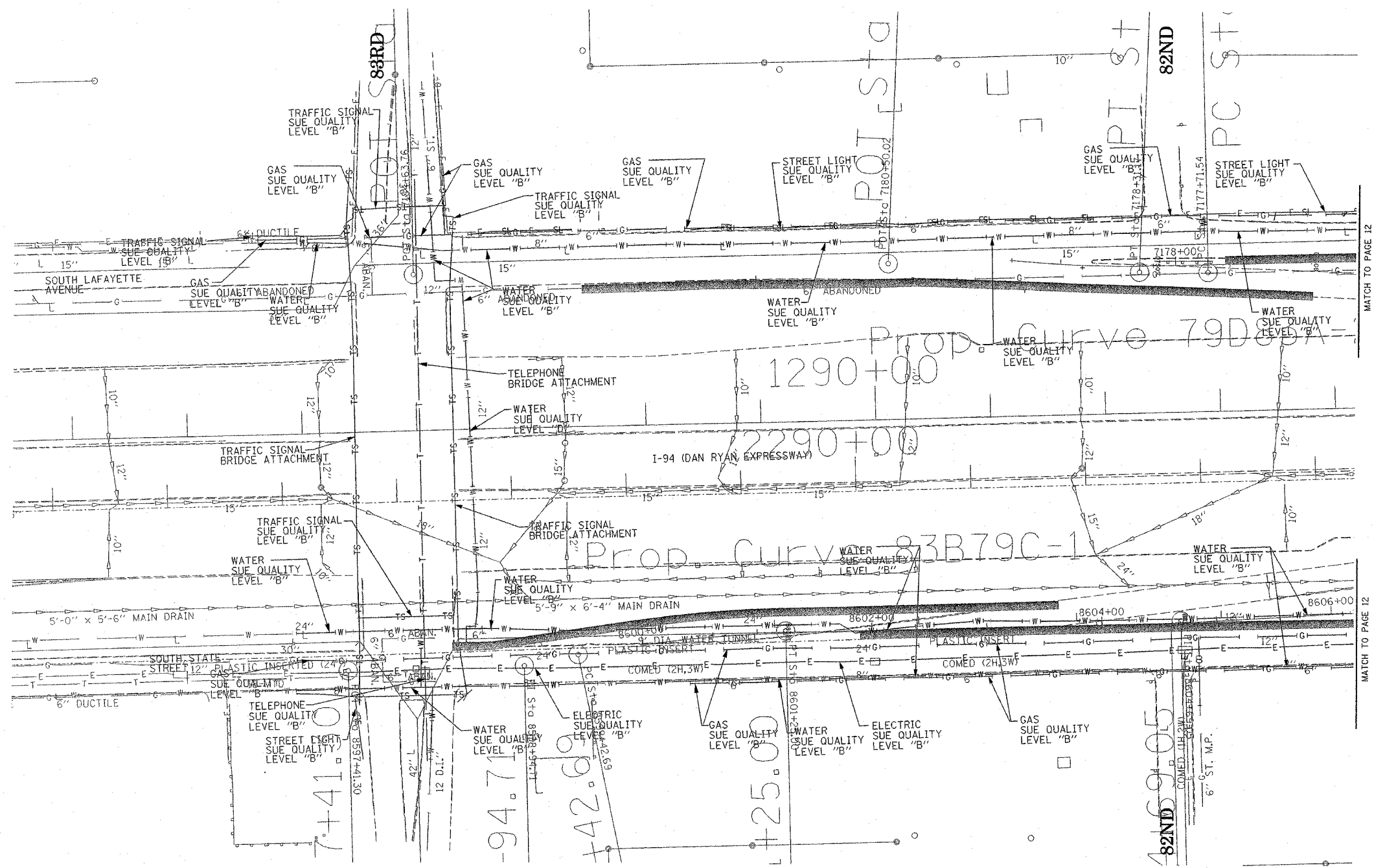
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "A" DATE : 2/17/05  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11516, 11717 & 1818-6	Cook	907	290
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




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 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 11 of 30  
 Checked by: *Sandra D. [Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
⊙		TEST HOLE

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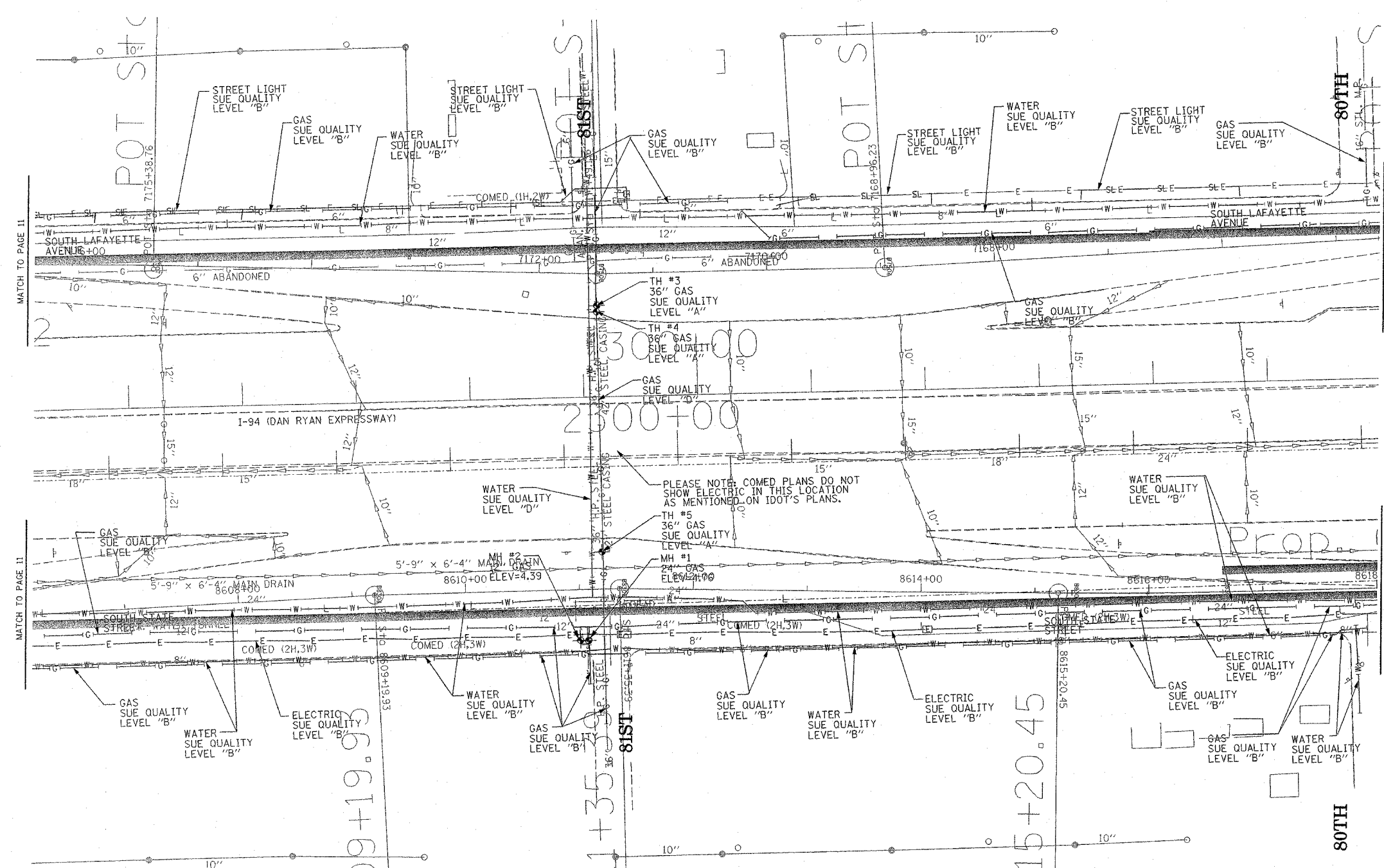
  
 205 W. WACKER DRIVE  
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 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1816, 1717 & 1818-6	Cook	907	291
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
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 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA  
 IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 12 of 30  
 Checked by: *Sandra Dineen*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●	●	TEST HOLE

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 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

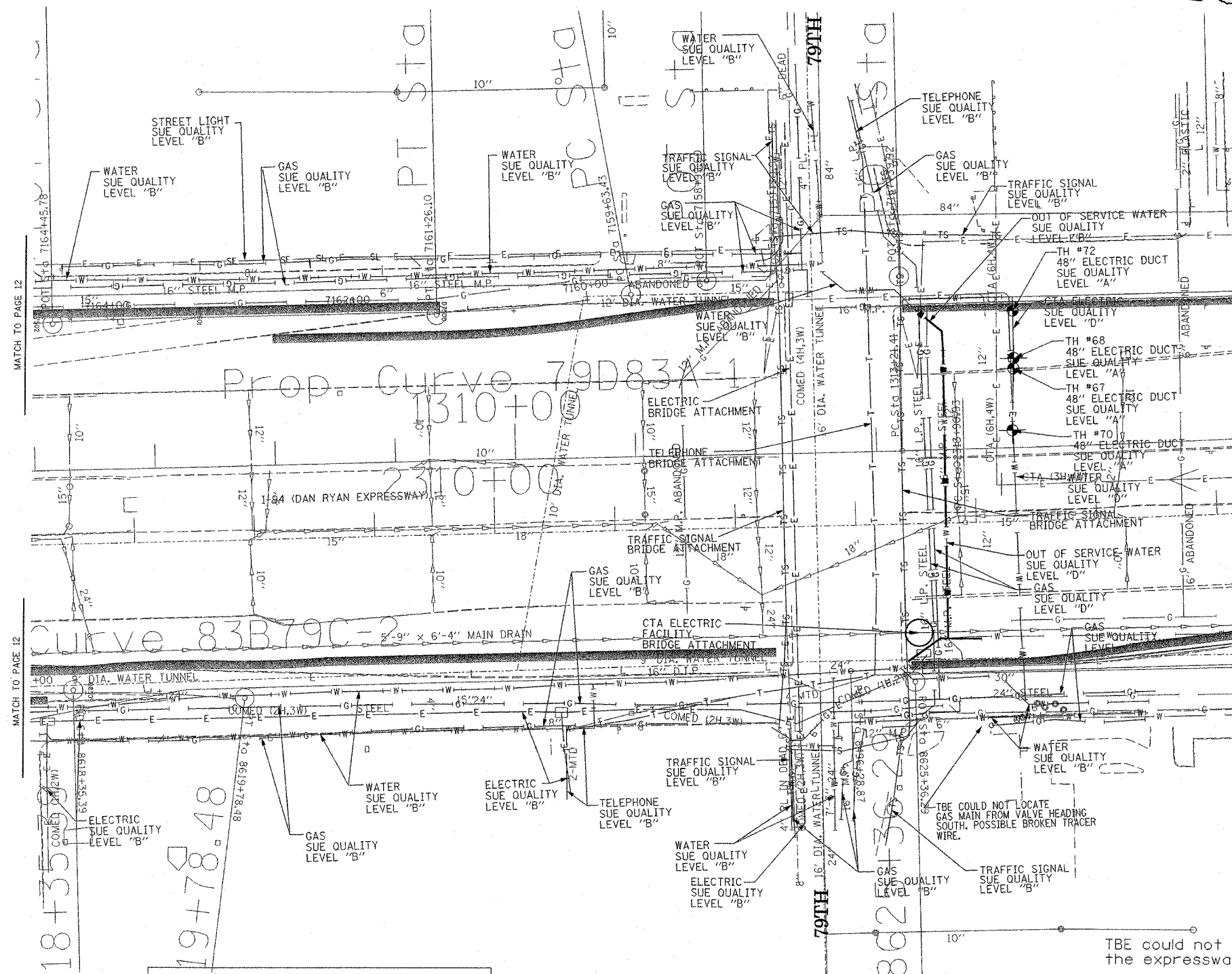
TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-90/I-94 Dan Ryan Expressway from  
 I-57. to 69th Street  
 Contract Number: 62590, 62592, 62594  
 SOL "A" DATE : 2/07/04      DRAWN BY : KLC  
 SOL "B" DATE : 7/22/04      SCALE : 1" = 50'



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516,1717 & 1818-6	Cook	107	290
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



MATCH TO PAGE 12

MATCH TO PAGE 12




**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 13 of 30  
 Checked by: *S. J. [Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—	—	OUT OF SERVICE WATER
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

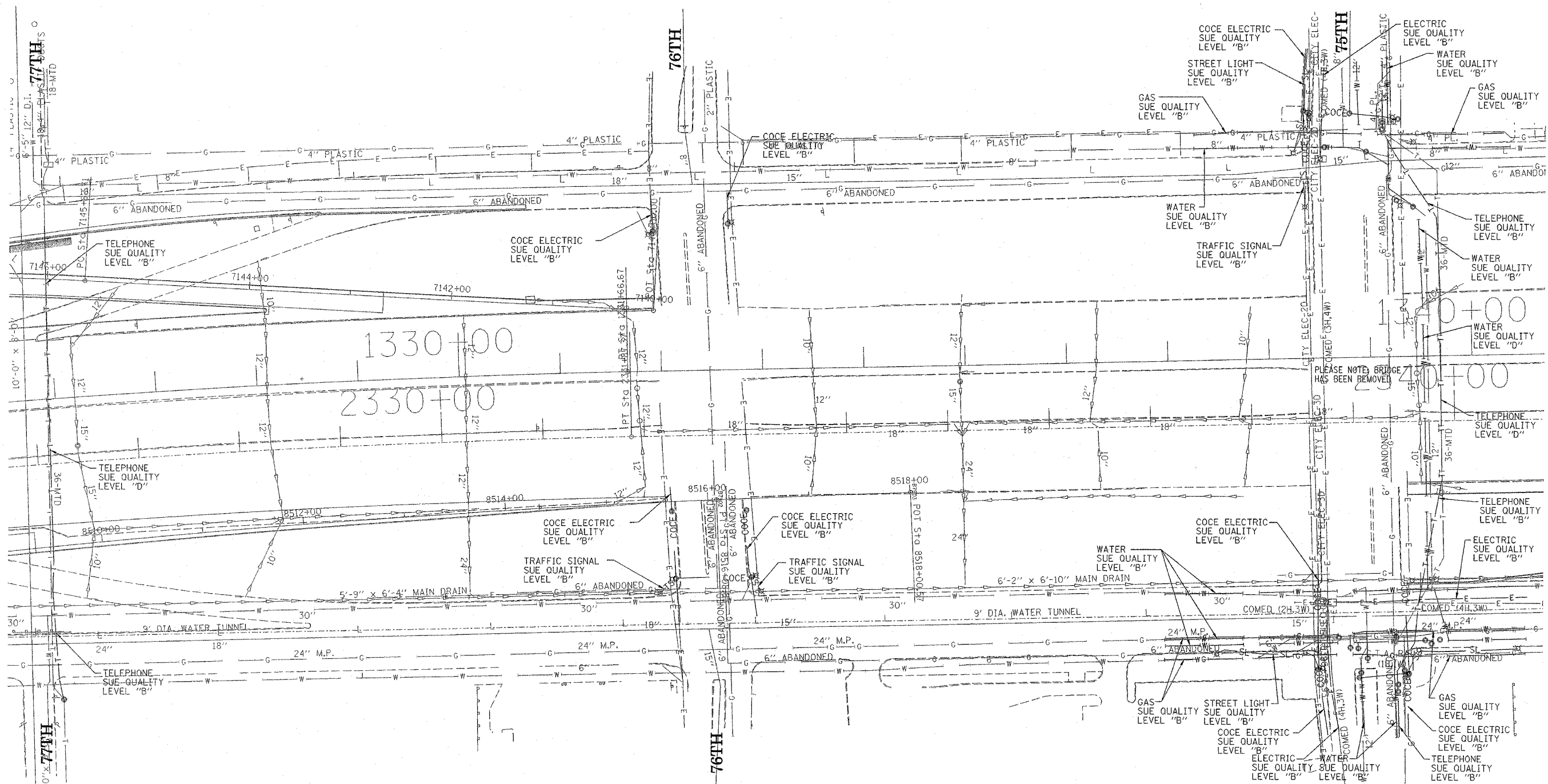
  
 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.  
 CTA could not send as-built plans for review. TBE met with Leo Bazelewski, Testing Engineer for CTA regarding their facilities.  
 Size given for Electric Duct is width only.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "A" DATE : 10/23/04      DRAWN BY : KLC  
 SOL "B" DATE : 7/22/04      SCALE : 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1516J,1717 & 1818-6	Cook	907	293
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING \* LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 14 of 30  
 Checked by: *Sandra P. [Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—	—COCE—	CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
—●—	—●—	TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

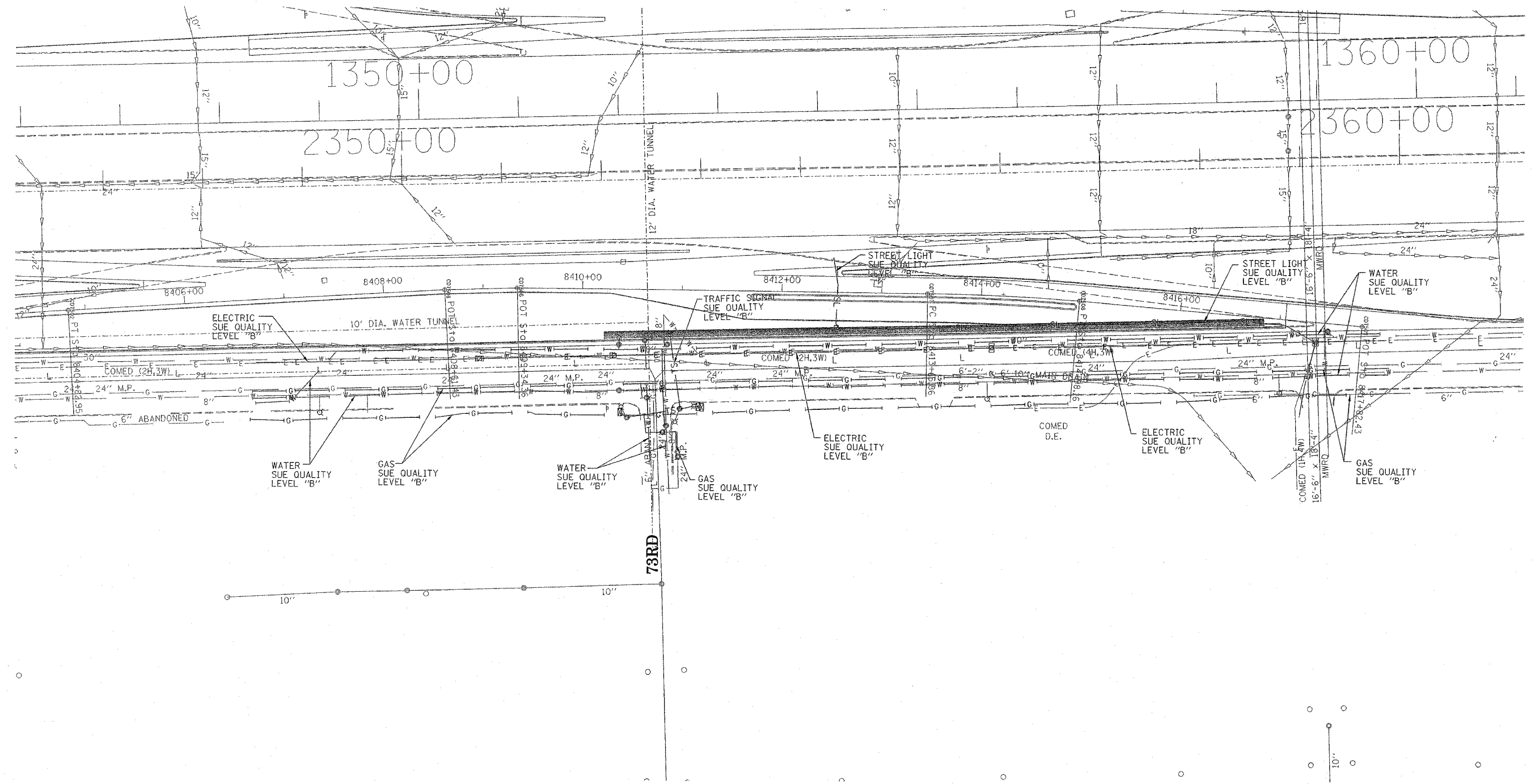
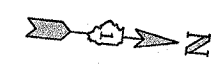
205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 DRAWN BY : KLC  
 SCALE : 1" = 50'  
 SOL "B" DATE : 7/22/04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0516.11717 & 1818-6	Cook	907	294
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 15 of 30  
 Checked by: *S. A. [Signature]*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

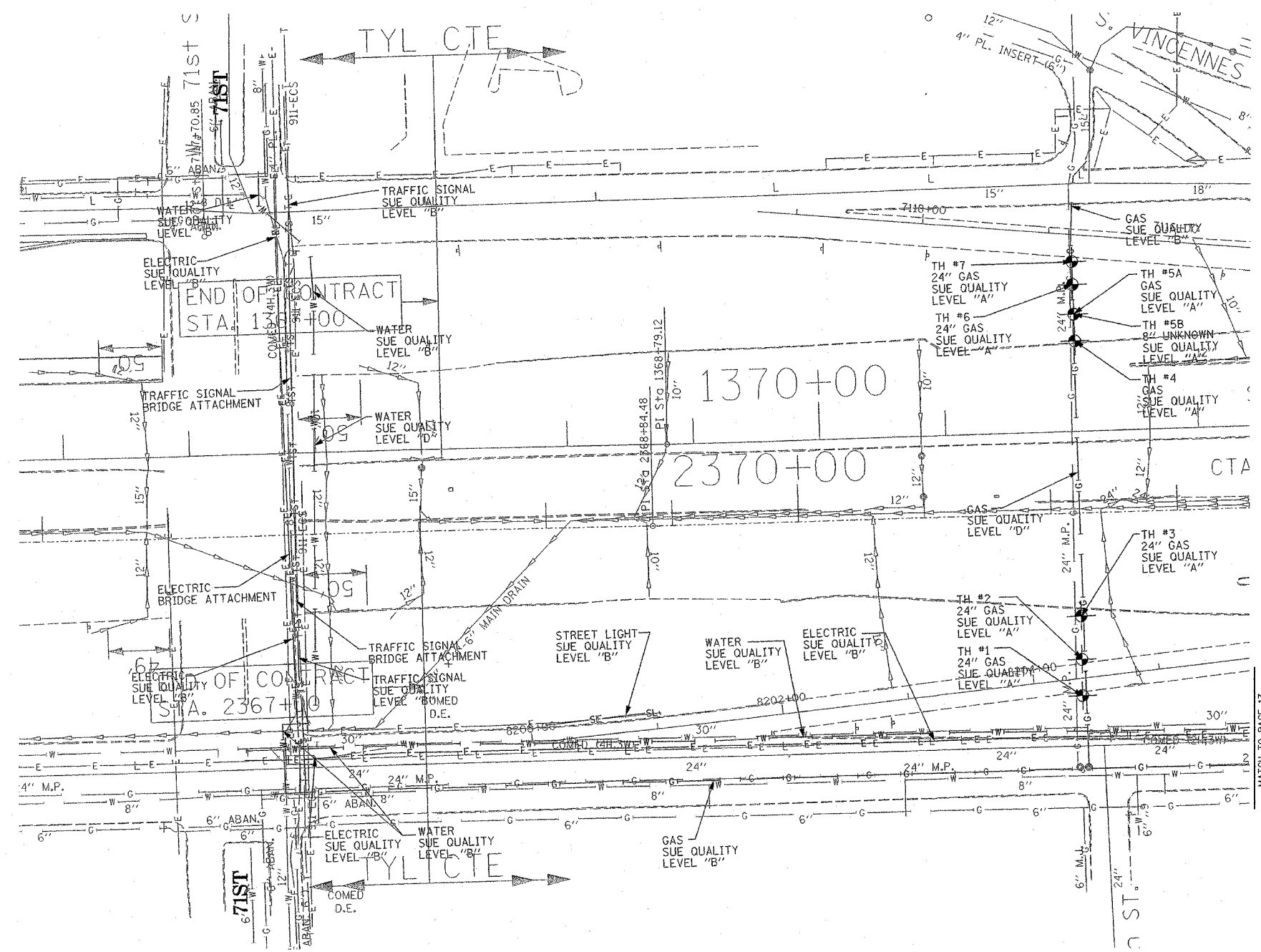
205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693  
 SOL "B" DATE : 7/22/04  
 DRAWN BY : KLC  
 SCALE : 1" = 50'

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11516.11717 & 1818-6	Cook	907	295
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500167, 168, 170, 171, 179, 180, 204, 205,  
 206, 211, 212, 219, 221, 225  
 TBE SUE PAGE NO: 16 of 30  
 Checked by: *Sandra D...*

SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

—TS—	—TS—	TRAFFIC SIGNAL
—SL—	—SL—	STREET LIGHT
—COCE—		CITY OF CHICAGO ELECTRIC
—T—	—T—	TELEPHONE
—W—	—W—	WATER
—G—	—G—	GAS
—CTV—	—CTV—	CABLE TELEVISION
—FO—	—FO—	FIBER OPTIC
—E—	—E—	ELECTRIC
●		TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards. All other information shown has been provided to TBE Group, Inc by others.

205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

TBE could not locate buried utilities directly beneath the expressway due to traffic and safety issues.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUE Investigation of Underground Utilities  
 I-94 NB & SB of Dan Ryan Expressway  
 From I-57 to 43rd Street  
 Contract No: 62586, 62589, 62590, 62594, 62693

SQL "A" DATE : 3/19/04      DRAWN BY : KLC  
 SQL "B" DATE : 7/22/04      SCALE : 1" = 50'

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
1	20" G	1867123.035	1175606.560	-1.85	1.50	-0.35	SUE QUALITY LEVEL "A"
2	12" W	1867115.884	1175606.924	-1.53	1.13	-0.40	SUE QUALITY LEVEL "A"
3	20" G	1867122.650	1175602.392	-0.08	0.69	0.61	SUE QUALITY LEVEL "A"
4	20" G	1867122.945	1175609.366	-6.36	5.41	-0.95	SUE QUALITY LEVEL "A"
5	20" G	1867132.835	1175901.810	-4.63	3.39	-1.24	SUE QUALITY LEVEL "A"
6	20" G	1867132.928	1175905.856	-2.34	2.74	0.40	SUE QUALITY LEVEL "A"
7	20" G	1867132.947	1175910.232	0.11	1.93	2.04	SUE QUALITY LEVEL "A"
8	20" G	1867132.990	1175897.762	-5.44	3.49	-1.95	SUE QUALITY LEVEL "A"
1A	20" G	1861211.910	1177445.200	15.85	3.65	19.50	SUE QUALITY LEVEL "A"
2A	8" W	1861211.860	1177441.360	14.70	4.87	19.57	SUE QUALITY LEVEL "A"
3A	6" G	1861211.740	1177450.260	15.19	4.18	19.37	SUE QUALITY LEVEL "A"
4A	6" G	1861598.210	1177437.850	15.50	4.43	19.93	SUE QUALITY LEVEL "A"
5A	20" G	1861598.200	1177433.420	17.22	2.82	20.04	SUE QUALITY LEVEL "A"
6A	8" W	1861597.270	1177429.100	15.66	4.42	20.08	SUE QUALITY LEVEL "A"
7A	SEE NOTE	1862113.690	1176035.420	---	7.29	0.33	SEE NOTE
8A	SEE NOTE	1862704.020	1176033.590	-6.74	5.31	-1.43	SUE QUALITY LEVEL "A"
9	16" G	1863104.250	1175969.140	-2.44	4.55	2.11	SUE QUALITY LEVEL "A"
10	16" G	1863104.500	1175976.510	-1.83	5.77	3.94	SUE QUALITY LEVEL "A"
11	16" G	1863104.750	1175982.670	0.42	5.48	5.90	SUE QUALITY LEVEL "A"
12	*42" E	1863114.170	1175968.110	-2.35	4.64	2.29	SUE QUALITY LEVEL "A"
13	*42" E	1863114.830	1175975.120	-2.35	6.43	4.08	SUE QUALITY LEVEL "A"
14	*42" E	1863116.050	1175983.240	-2.34	9.02	6.68	SUE QUALITY LEVEL "A"
14A	12" W	1863125.770	1175969.560	-2.99	5.96	2.97	SUE QUALITY LEVEL "A"
15	2x*18" BT	1863258.330	1175962.750	-6.25	9.98	3.73	SUE QUALITY LEVEL "A"
16	2X*18" BT	1863256.850	1175970.740	-3.14	9.44	6.30	SUE QUALITY LEVEL "A"
17	2x*18" BT	1863255.680	1175981.210	-3.00	12.97	9.97	SUE QUALITY LEVEL "A"
18	2x*18" BT	1863254.030	1175661.690	-5.00	8.95	3.95	SUE QUALITY LEVEL "A"
19	2x*18" BT	1863252.560	1175654.200	-4.38	11.01	6.63	SUE QUALITY LEVEL "A"
20	2x*18" BT	1863250.510	1175644.060	-3.62	13.39	9.77	SUE QUALITY LEVEL "A"
21	*42" E	1863105.180	1175669.260	0.89	3.54	4.43	SUE QUALITY LEVEL "A"
22	*42" E	1863105.160	1175660.820	-1.00	7.50	6.50	SUE QUALITY LEVEL "A"

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
23	*42" E	1863105.310	1175651.280	-0.63'	10.05'	9.42'	SUE QUALITY LEVEL "A"
24	16" G	1863097.580	1175669.900	0.15'	4.36'	4.51'	SUE QUALITY LEVEL "A"
25	16" G	1863097.130	1175661.950	1.09'	5.01'	6.10'	SUE QUALITY LEVEL "A"
26	16" G	1863096.690	1175655.260	1.53'	6.63'	8.16'	SUE QUALITY LEVEL "A"
27	*18" BT	1865094.940	1175582.150	0.35'	11.57'	11.92'	SUE QUALITY LEVEL "A"
28	*18" BT	1865097.810	1175578.180	1.03'	12.10'	13.13'	SUE QUALITY LEVEL "A"
29	*18" BT	1865100.160	1175573.950	2.11'	12.35'	14.46'	SUE QUALITY LEVEL "A"
30	*36" E	1865099.910	1175578.500	-3.55'	16.71'	13.16'	SUE QUALITY LEVEL "A"
31	*36" E	1865103.162	1175573.669	-2.89'	17.47'	14.58'	SUE QUALITY LEVEL "A"
32	*36" E	1865097.615	1175581.930	-3.91'	15.88'	11.97'	SUE QUALITY LEVEL "A"
33	*36" E	1865124.435	1175973.073	0.82'	13.43'	14.25'	SUE QUALITY LEVEL "A"
34	*18" BT	1865090.975	1175932.544	-4.41'	6.37'	1.96'	SUE QUALITY LEVEL "A"
35	*36" E	1865105.924	1175934.833	-4.59'	7.05'	2.46'	SUE QUALITY LEVEL "A"
36	*36" E	1865120.467	1175968.691	-0.94'	14.14'	13.20'	SUE QUALITY LEVEL "A"
37	*18" BT	1865098.448	1175972.477	2.26'	10.37'	12.63'	SUE QUALITY LEVEL "A"
38	*18" BT	1865095.321	1175968.307	-0.23'	12.22'	11.99'	SUE QUALITY LEVEL "A"
39	See Note G	1873623.853	1175722.432	---	16.00'	12.60'	CLEARANCE DEPTH
40	20" G	1873624.086	1175713.696	-6.36'	16.78'	10.42'	SUE QUALITY LEVEL "A"
41	20" G	1873629.270	1175680.376	-10.19'	9.14'	-1.05'	SUE QUALITY LEVEL "A"
42	20" G	1873630.734	1175671.020	-12.73'	9.01'	-3.72'	SUE QUALITY LEVEL "A"
43	20" G	1873631.833	1175664.164	-13.65'	7.75'	-5.90'	SUE QUALITY LEVEL "A"
44	20" G	1873662.688	1175369.141	-3.90'	4.72'	0.82'	SUE QUALITY LEVEL "A"
45	20" G	1873663.608	1175361.458	-2.90'	5.76'	2.86'	SUE QUALITY LEVEL "A"
46	20" G	1873664.488	1175351.804	-0.50'	5.98'	5.48'	SUE QUALITY LEVEL "A"
47	20" G	1873661.260	1175377.470	-4.21'	3.61'	-0.60'	SUE QUALITY LEVEL "A"
48	*36" E	1865096.950	1175617.420	-3.95'	5.91'	1.96'	SUE QUALITY LEVEL "A"
48A	(3)12" UNK	1865098.890	1175616.560	-1.25'	3.20'	1.95'	SUE QUALITY LEVEL "A"
49	20" G	1873654.520	1175434.880	-6.86'	4.54'	-2.32'	SUE QUALITY LEVEL "A"
50	*36" E	1865097.950	1175663.360	-4.48'	6.85'	2.37'	SUE QUALITY LEVEL "A"
51	*18" BT	1865085.150	1175663.290	-5.46'	7.73'	2.27'	SUE QUALITY LEVEL "A"
52	*18" BT	1865085.030	1175617.240	-4.60'	6.57'	1.97'	SUE QUALITY LEVEL "A"

TBE Project Information

\* Size given is duct width only.  
 TH#7A unable to determine object found due to water & soil collapsing.  
 TH#8A found old wood RR ties laid straight in direction of duct. Could not expose utility, however, SBC confirmed that the duct is directly below RR ties. The existing cut is to top of RR ties.  
 TH#39 TBE could not physically see gas main. Dug to 16' got electronic depth of 19.5'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62586, 62589, 62693  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/4/05	REC	QA/QC												

### VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
53	*18" BT	1865113.010	1175555.020	4.67'	14.33'	19.00'	SUE QUALITY LEVEL "A"
54	See Note E	1865117.050	1175555.790	—	18.59'	18.99'	CLEARANCE DEPTH ONLY
55	*18" BT	1865108.400	1175989.320	9.85'	9.02'	18.87'	SUE QUALITY LEVEL "A"
55A	24" SAN	1865109.300	1175987.610	11.77'	7.10'	18.87'	SUE QUALITY LEVEL "A"
56	*36" E	1865136.380	1175984.770	3.20'	15.68'	18.88'	SUE QUALITY LEVEL "A"
56A	24" SAN	1865138.320	1175986.600	11.93'	6.92'	18.85'	SUE QUALITY LEVEL "A"
57	*18" BT	1865091.120	1175928.050	-5.77'	7.13'	1.36'	SUE QUALITY LEVEL "A"
58	*36" E	1865105.640	1175928.120	-4.59'	6.03'	1.44'	SUE QUALITY LEVEL "A"
59	*36" E	1865104.390	1175856.480	-4.90'	7.41'	2.51'	SUE QUALITY LEVEL "A"
60	*18" BT	1865090.480	1175856.950	-5.29'	7.65'	2.36'	SUE QUALITY LEVEL "A"
MAN HOLE #	TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE MH RIM ELEVATION	COMMENTS
61	Telephone	1863240.510	1175610.790	*1.41'	19.13'	20.54'	SUE QUALITY LEVEL "A"
TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
62	*48" E	1876425.900	1176044.730	-6.88'	3.44'	-3.44'	SUE QUALITY LEVEL "A"
63	*48" E	1876427.860	1176056.140	-4.87'	4.14'	-0.73'	SUE QUALITY LEVEL "A"
64	*48" E	1876443.770	1176104.400	4.13'	8.39'	12.52'	SUE QUALITY LEVEL "A"
65	*48" E	1863237.110	1175774.930	-1.66'	4.62'	2.96'	SUE QUALITY LEVEL "A"
66	*48" E	1841495.350	1177598.790	8.42'	7.24'	15.66'	SUE QUALITY LEVEL "A"
67	*48" E	1852792.550	1177384.230	-10.35'	4.37'	-5.98'	SUE QUALITY LEVEL "A"
68	*48" E	1852792.730	1177375.900	-8.91'	4.03'	-4.88'	SUE QUALITY LEVEL "A"
69	*48" E	1841506.530	1177600.310	7.60'	8.15'	15.75'	SUE QUALITY LEVEL "A"
70	*48" E	1852792.330	1177435.710	-12.58'	5.65'	-6.93'	SUE QUALITY LEVEL "A"
71	*28" E	1841906.380	1177641.010	12.54'	3.46'	16.00'	SUE QUALITY LEVEL "A"
72	*48" E	1852791.510	1177336.410	1.83'	7.76'	9.59'	SUE QUALITY LEVEL "A"
73	*48" E	1876423.560	1175920.080	-12.48'	8.82'	-3.66'	SUE QUALITY LEVEL "A"
74	*48" E	1863227.820	1175613.390	8.97'	11.23'	20.20'	SUE QUALITY LEVEL "A"
75	*48" E	1841508.250	1177677.360	-7.19'	4.61'	-2.58'	SUE QUALITY LEVEL "A"
76	*48" E	1841493.000	1177684.360	-7.65'	4.53'	-3.12'	SUE QUALITY LEVEL "A"
77	*48" E	1841492.150	1177692.100	-7.95'	7.02'	-0.93'	SUE QUALITY LEVEL "A"

### VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEVATION	COMMENTS
78	*48" E	1841506.430	1177692.980	-8.94'	7.98'	-0.96'	SUE QUALITY LEVEL "A"
79	*48" E	1841510.920	1177755.020	-9.22'	10.16'	0.94'	SUE QUALITY LEVEL "A"
80	SEE NOTE E	1841493.150	1177753.350	—	7.88'	1.00'	CLEARANCE DEPTH ONLY
81	SEE NOTE E	1852793.298	1177394.984	-11.95'	4.69'	-7.26'	SUE QUALITY LEVEL "A"
82	*48" E	1863234.932	1175653.520	-0.86'	7.66'	6.80'	SUE QUALITY LEVEL "A"
83	*48" E	1863235.070	1175661.514	-1.64'	5.94'	4.31'	SUE QUALITY LEVEL "A"
84	36" W	1839944.740	1178217.900	-5.13'	2.96'	-2.17'	SUE QUALITY LEVEL "A"
85	36" W	1839889.120	1178193.100	-13.96'	8.61'	-5.35'	SUE QUALITY LEVEL "A"
86	36" W	1839415.910	1178025.040	-1.59'	3.05'	1.46'	SUE QUALITY LEVEL "A"
87	16" UNK	1839528.800	1178066.220	-3.15'	10.03'	6.88'	SUE QUALITY LEVEL "A"
88	24" TEL	1839826.880	1178316.500	-6.59'	7.19'	0.60'	SUE QUALITY LEVEL "A"
89	SEE NOTE TEL	1839836.600	1178319.800	-5.49'	5.98'	0.49'	SUE QUALITY LEVEL "A"
90	SEE NOTE TEL	1839793.600	1178305.180	—	13.65'	0.40'	CLEARANCE DEPTH ONLY
91	24" TEL	1844059.140	1177578.380	13.58'	2.89'	16.47'	SUE QUALITY LEVEL "A"
92	36" W	1839745.710	1178145.690	-18.57'	9.32'	-9.25'	SUE QUALITY LEVEL "A"
93	24" BT	1844060.690	1177635.830	-6.44'	7.25'	0.81'	SUE QUALITY LEVEL "A"
94	24" BT	1844060.680	1177625.600	-3.42'	6.54'	3.12'	SUE QUALITY LEVEL "A"
95	16" W	1839246.750	1178863.580	-6.12'	3.32'	-2.30'	SUE QUALITY LEVEL "A"
96	SEE NOTE W	1839828.400	1178898.950	—	10.80'	-1.39'	CLEARANCE DEPTH ONLY
97	18" BT				6.12'		NOT SURVEYED
98	20" BT	1841825.960	1177936.970	6.82'	8.10'	14.92'	SUE QUALITY LEVEL "A"
99	36" W	1874261.670	1175871.220	-1.10'	3.83'	2.73'	SUE QUALITY LEVEL "A"
100	36" W	1874261.650	1175880.560	1.35'	3.90'	5.25'	SUE QUALITY LEVEL "A"
101	36" W	1874245.970	1175540.410	-2.86'	4.69'	1.83'	SUE QUALITY LEVEL "A"
102	36" W	1874245.820	1175531.730	-0.50'	4.56'	4.06'	SUE QUALITY LEVEL "A"
103	36" W	1874244.500	1175483.430	11.43'	4.34'	15.77'	SUE QUALITY LEVEL "A"
104	SEE NOTE W	1874262.410	1175925.500	13.62'	3.18'	16.80'	SUE QUALITY LEVEL "A"
105	36" W	1874245.260	1175675.910	-2.22'	2.72'	0.50'	SUE QUALITY LEVEL "A"
106	18" BT	1847350.430	1177491.230	-0.33'	8.75'	8.42'	SUE QUALITY LEVEL "A"
107	SEE NOTE BT	1847365.000	1177775.620	—	16.79'	7.85'	CLEARANCE DEPTH ONLY
108	24" BT	1844064.680	1177880.760	6.97'	9.52'	16.49'	SUE QUALITY LEVEL "A"
109	36" W	1874248.230	1175729.730	-1.93'	3.19'	1.26'	SUE QUALITY LEVEL "A"

#### TBE Project Information

\* Size given is duct width only.  
 TH#54 TBE could not reach utility due to depth, Clearance given.  
 MH#61 Man Hole elevation to top of phone cables exiting man hole.  
 TH#80 Could not expose utilities due to extremely hard clay. Clearance depth of 7.88' given.  
 TH#81 Appears to be a 34" poured in place concrete cap over CTA conduit.  
 TH#87 found a 16" pipe but was unable to see it due to water table. Probed another 3' down past pipe, unable to find 36" w/m electronic Depth 24'  
 TH#89 Utility not exposed due to excessive water in hole.  
 TH#90 Utility not exposed, clearance depth of 13.65'.  
 TH#96 Utility not exposed, clearance depth of 10.80'.  
 TH#97 Reference point destroyed by construction crews before survey could be completed. Material was unidentifiable.  
 TH#104 Concrete cap poured over utility.  
 TH#107 Utility not exposed, clearance depth of 16.79'.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

#### Illinois Department of Transportation

I-90 /94 (NB & SB of Dan Ryan Expressway)  
 Chicago-Cook County  
 Sec No: (2122-921 PT1) R, (2021-922 PT1,2)  
 Contract No. 62586, 62589, 62693  
 TBE Project No.: IL09500164, 167, 168, 170, 171, 179, 180, 182, 204, 205, 206, 211, 212, 219, 221, 225, 226, 227, 228, 230

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	
3/19/05		KAC		QA/QC													



VERIFIED UTILITY LOCATIONS

298 of 907

VERIFIED UTILITY INFORMATION

VERIFIED UTILITY INFORMATION

Table with 8 columns: TEST HOLE #, SIZE & TYPE, NORTHING, EASTING, TOP OF UTILITY, EXISTING CUT, REFERENCE GROUND ELEVATION, COMMENTS. Rows 110-131 contain utility data with various sizes (24", 3" 1", 2", 2.5") and types (BT, E).

Table with 8 columns: TEST HOLE #, SIZE & TYPE, NORTHING, EASTING, TOP OF UTILITY, EXISTING CUT, REFERENCE GROUND ELEVATION, COMMENTS. This table is currently empty.

TBE Project Information

TH#112 Utility not exposed, clearance depth of 6.79'.  
TH#113 Utility not exposed, clearance depth of 8.03'.  
TH#130 Utility not exposed, clearance depth of 10.98'.  
TH#131 Utility not exposed, clearance depth of 11.56'.

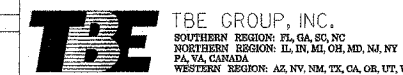
ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

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206, 211, 212, 219, 221, 225, 226, 227, 228, 230

REVISIONS

Table with 16 columns: DATE, BY, DESCRIPTION, DATE, BY, DESCRIPTION, DATE, BY, DESCRIPTION, DATE, BY, DESCRIPTION, DATE, BY, DESCRIPTION, DATE, BY, DESCRIPTION. Includes handwritten entries for 3/14/05.



VERIFIED UTILITY LOCATIONS





