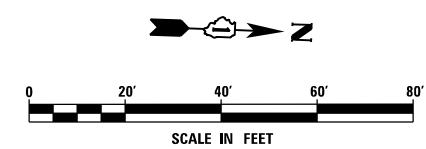


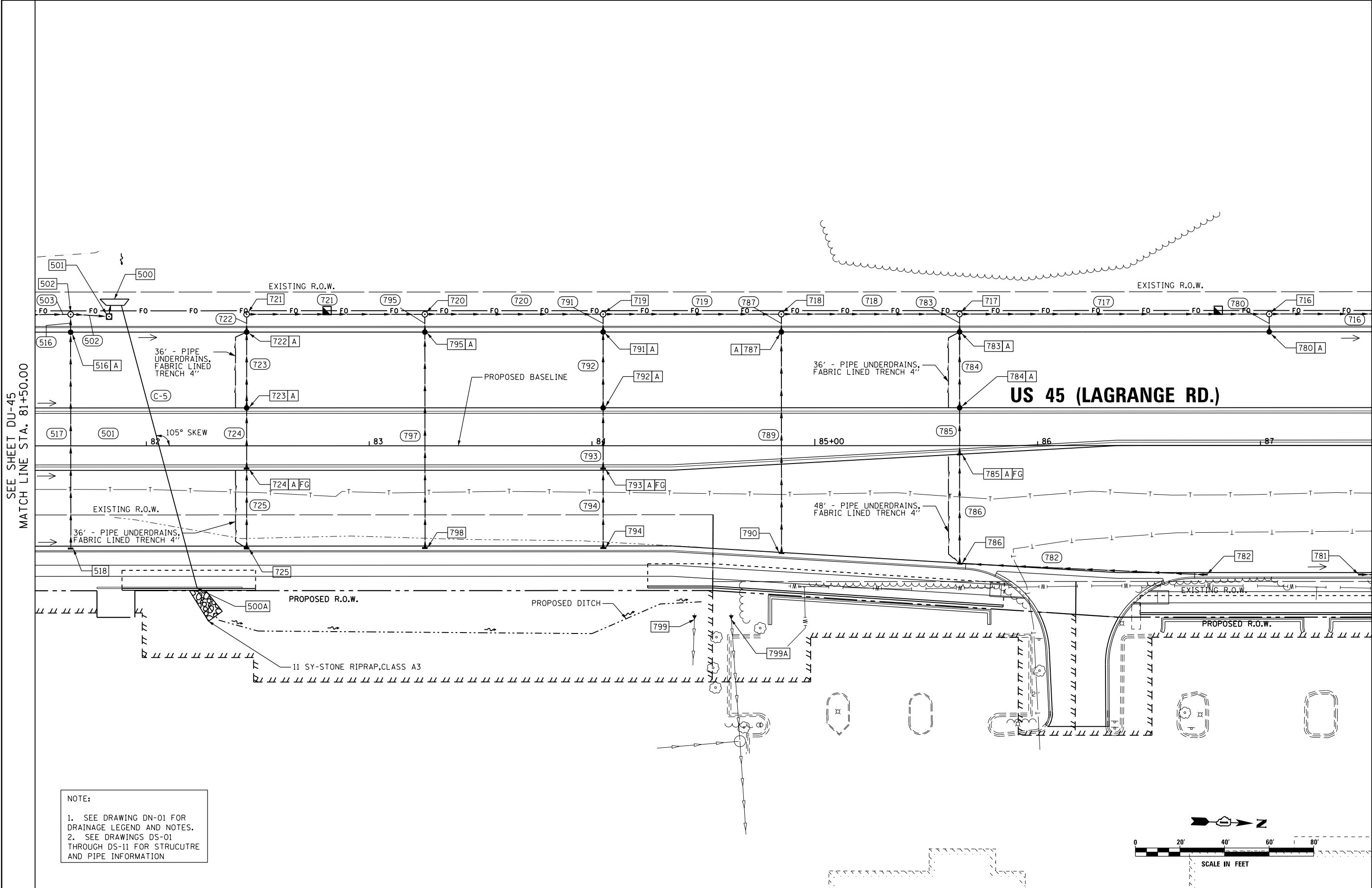
SEE SHEET DU-44
 MATCH LINE STA. 75+50.00

MATCH LINE STA. 81+50.00
 SEE SHEET DU-46

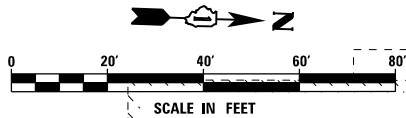


NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR10.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)	F.A.P. R.T.E. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 301
	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -			SCALE: 1"=20'	SHEET 10 OF 35 SHEETS	STA. 75+50.00 TO STA. 81+50.00	DU-45	
SHT.PLAN	PLOT DATE = 3/13/2013	DATE = 03/13/13	REVISED -	ILLINOIS FED. AID PROJECT						



NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



FILE NAME = D:\60F05-KEA-SHT-DRAINPR11.dgn
SHT.PLAN

USER NAME = Anthony.Plutz
PLOT SCALE = 40.0001' / in.
PLOT DATE = 3/13/2013

DESIGNED - MGS
DRAWN - REW
CHECKED - JRS
DATE - 03/13/13

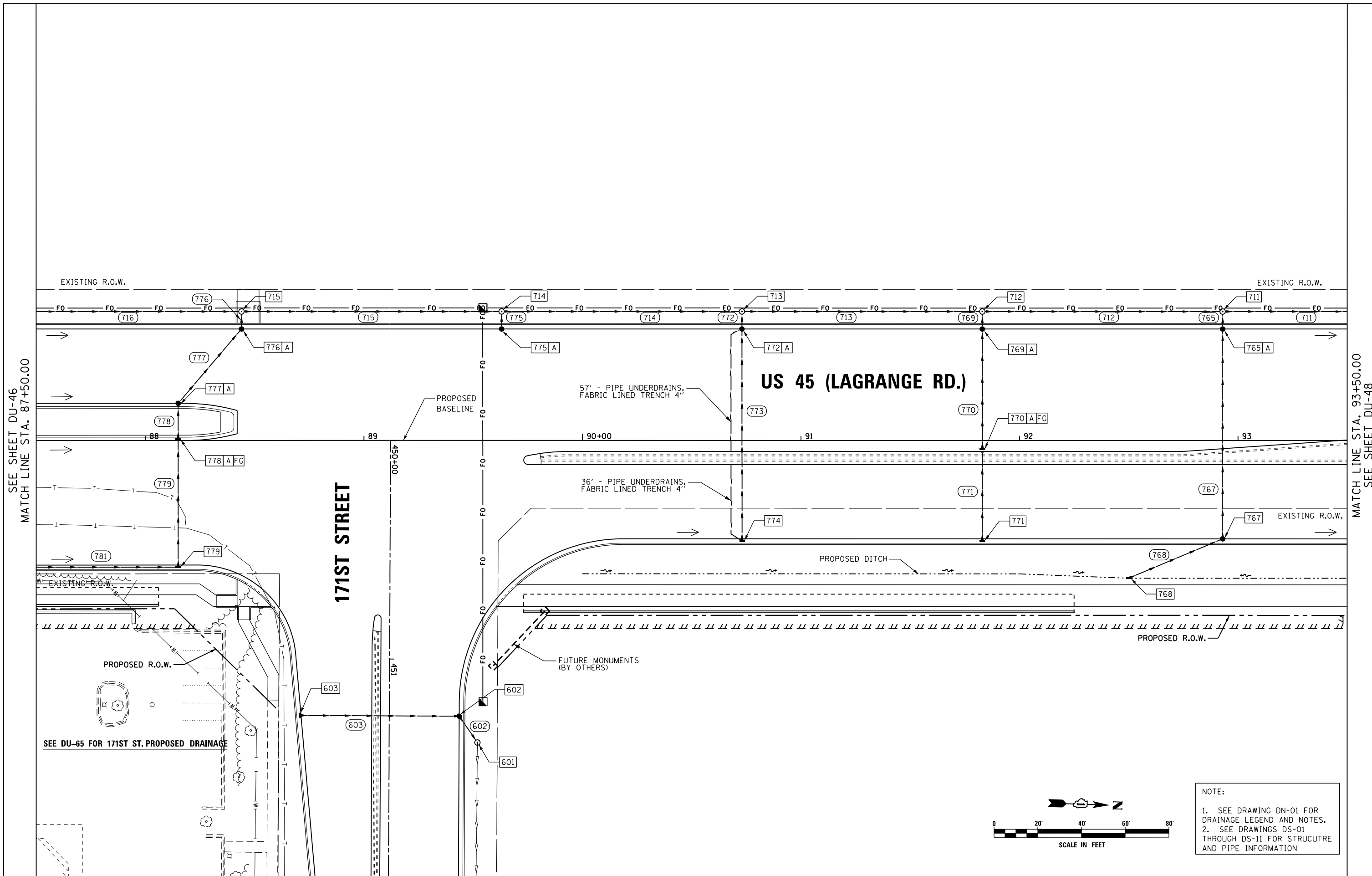
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

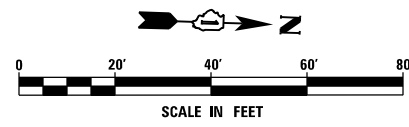
PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 11 OF 35 SHEETS STA. 81+50.00 TO STA. 87+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	302
DU-46		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE DU-65 FOR 171ST ST. PROPOSED DRAINAGE



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

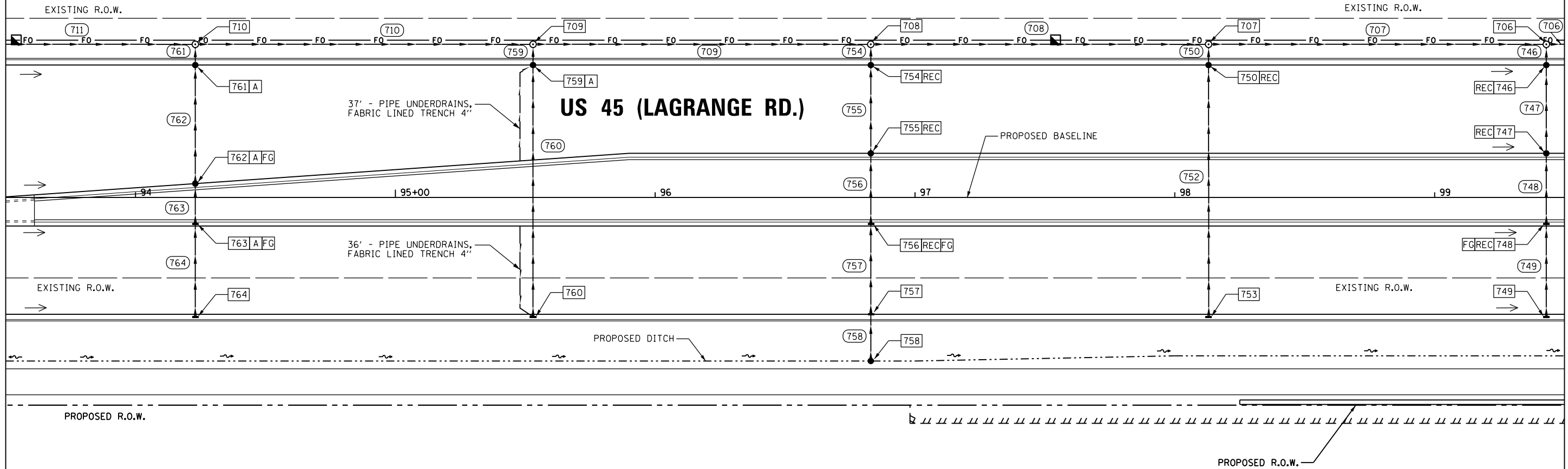
FILE NAME = D160F05-KEA-SHT-DRAINPR12.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001" / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

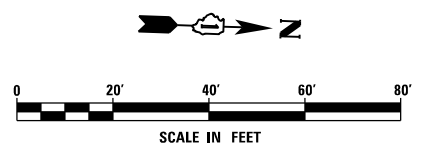
PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)
 SCALE: 1"=20' SHEET 12 OF 35 SHEETS STA. 87+50.00 TO STA. 93+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 303
DU-47			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-47
 MATCH LINE STA. 93+50.00



MATCH LINE STA. 99+50.00
 SEE SHEET DU-49



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR13.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001" / in.		
	PLOT DATE = 3/13/2013		

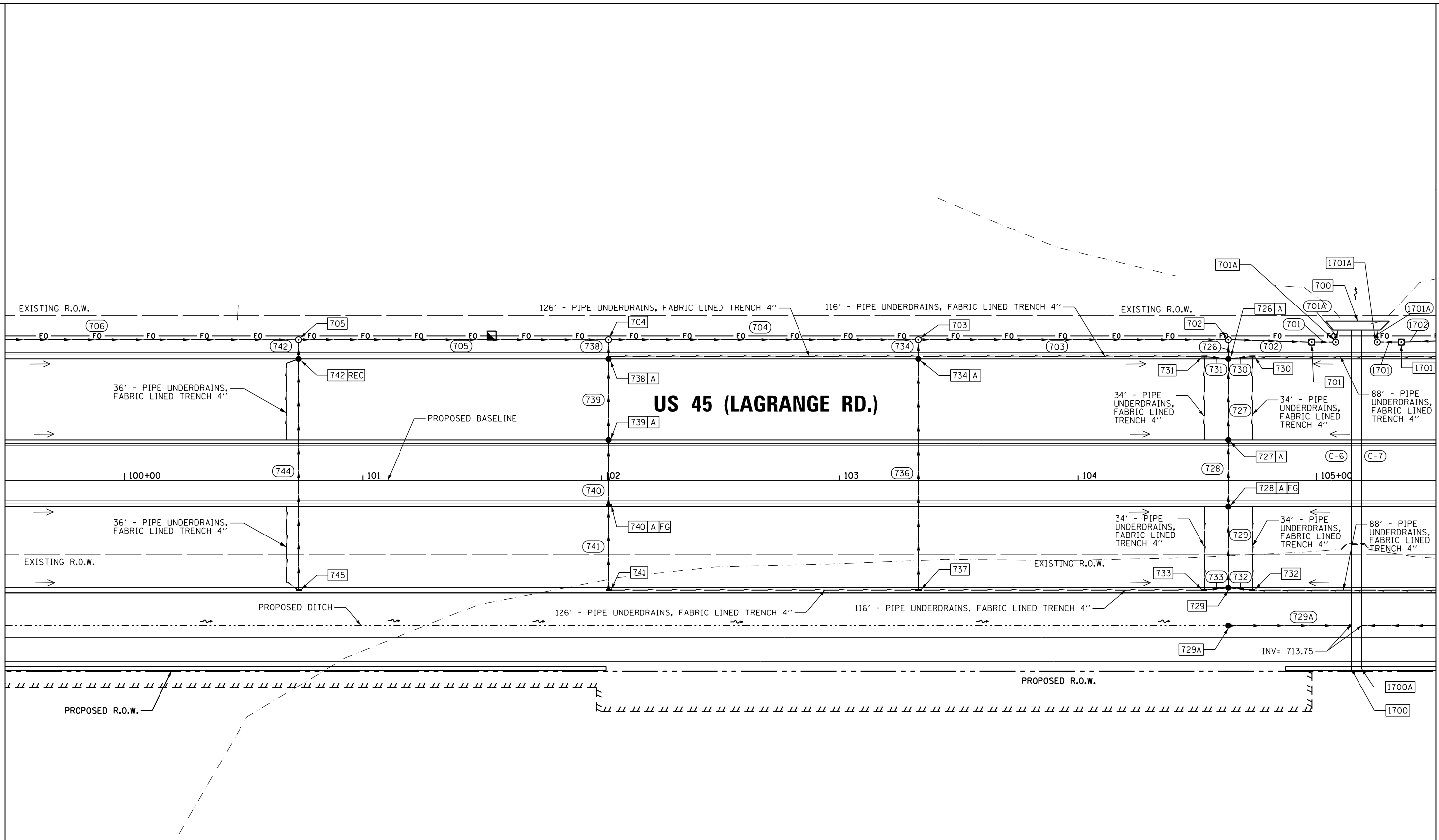
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

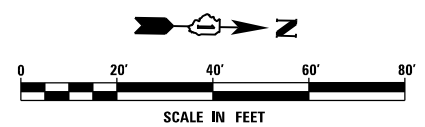
SCALE: 1"=20' SHEET 13 OF 35 SHEETS STA. 93+50.00 TO STA. 99+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 304
DU-48		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-48
 MATCH LINE STA. 99+50.00



MATCH LINE STA. 105+50.00
 SEE SHEET DU-50



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR14.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

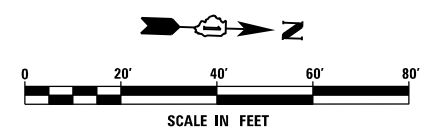
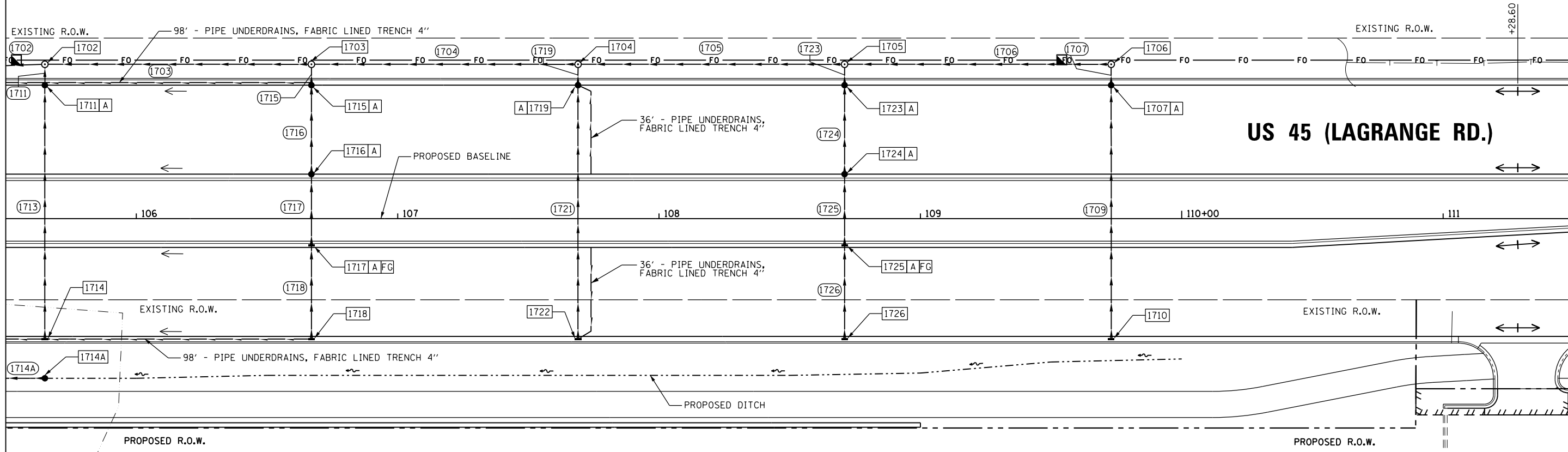
PROPOSED DRAINAGE PLAN - US 55 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 14 OF 35 SHEETS STA. 99+50.00 TO STA. 105+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 305
DU-49		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-49
 MATCH LINE STA. 105+50.00

MATCH LINE STA. 111+50.00
 SEE SHEET DU-51



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR15.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

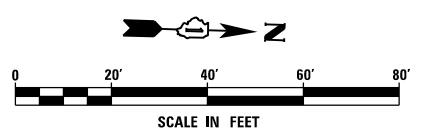
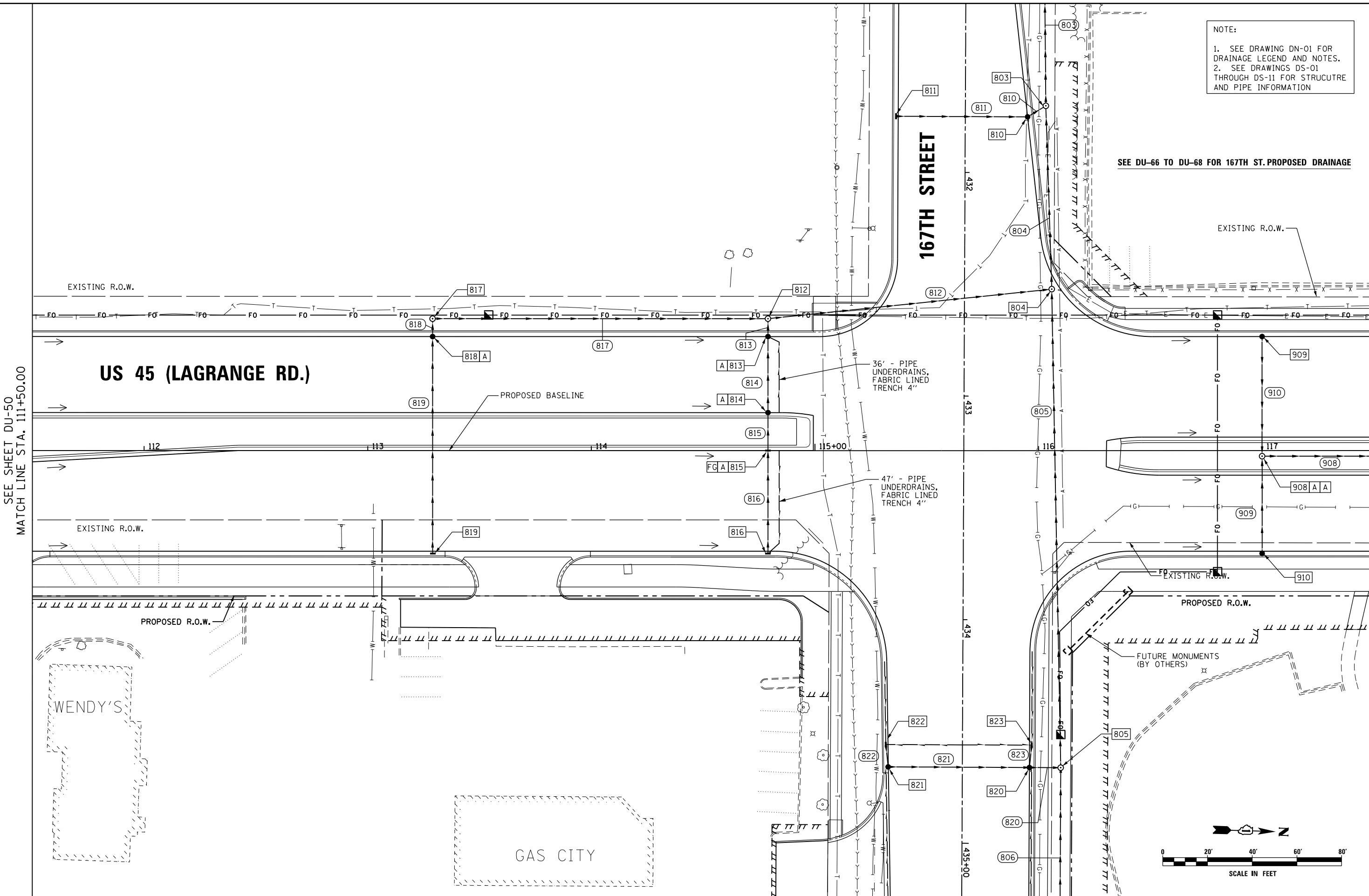
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)
 SCALE: 1"=20' SHEET 15 OF 35 SHEETS STA. 105+50.00 TO STA. 111+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 306
DU-50			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

SEE DU-66 TO DU-68 FOR 167TH ST. PROPOSED DRAINAGE



SEE SHEET DU-50
 MATCH LINE STA. 111+50.00

MATCH LINE STA. 117+50.00
 SEE SHEET DU-52

URS
 100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 935-1000
 FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINPR16.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

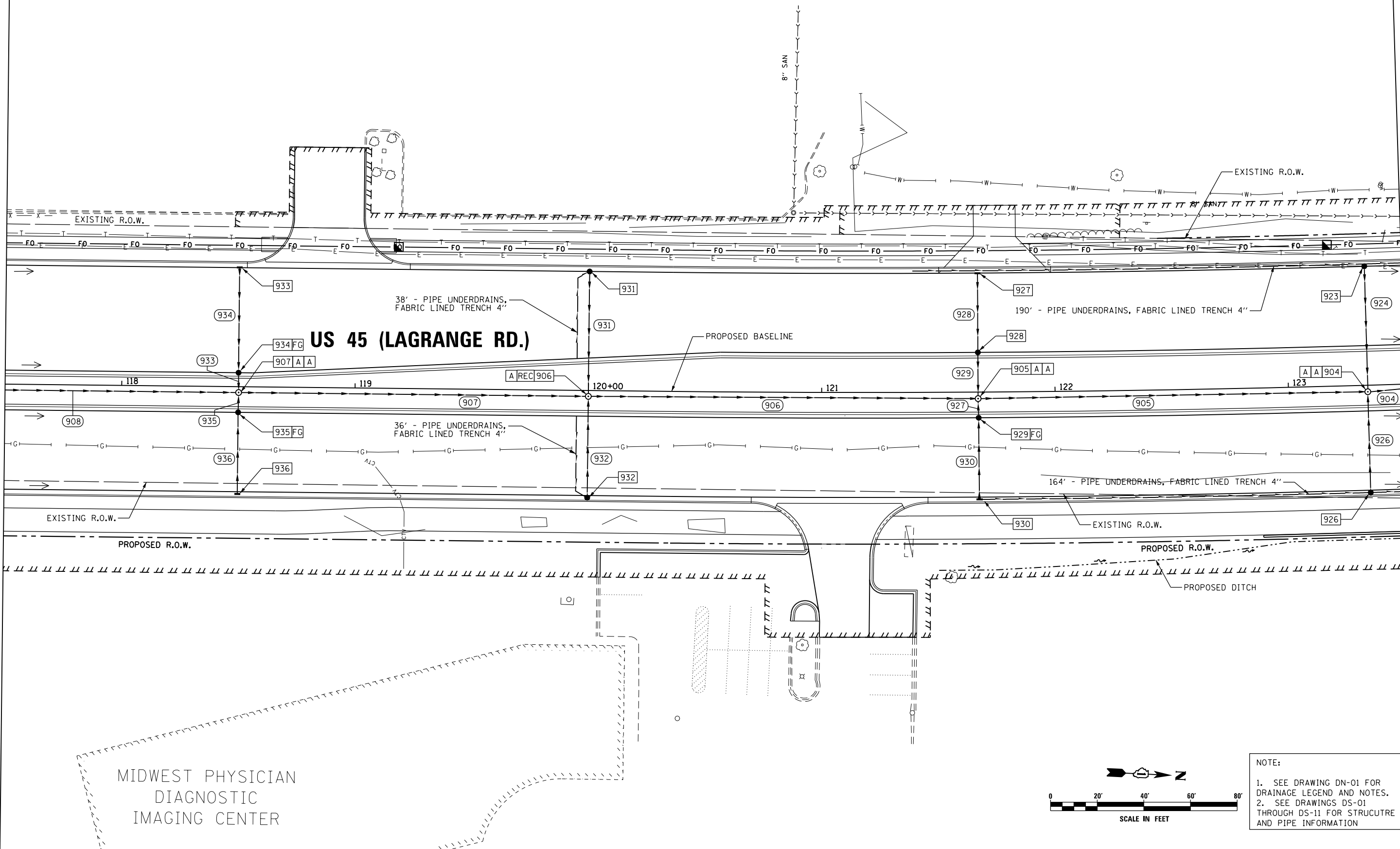
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 16 OF 35 SHEETS STA. 111+50.00 TO STA. 117+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 307
DU-51		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-51
MATCH LINE STA. 117+50.00



MIDWEST PHYSICIAN
DIAGNOSTIC
IMAGING CENTER

MATCH LINE STA. 123+50.00
SEE SHEET DU-53

NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

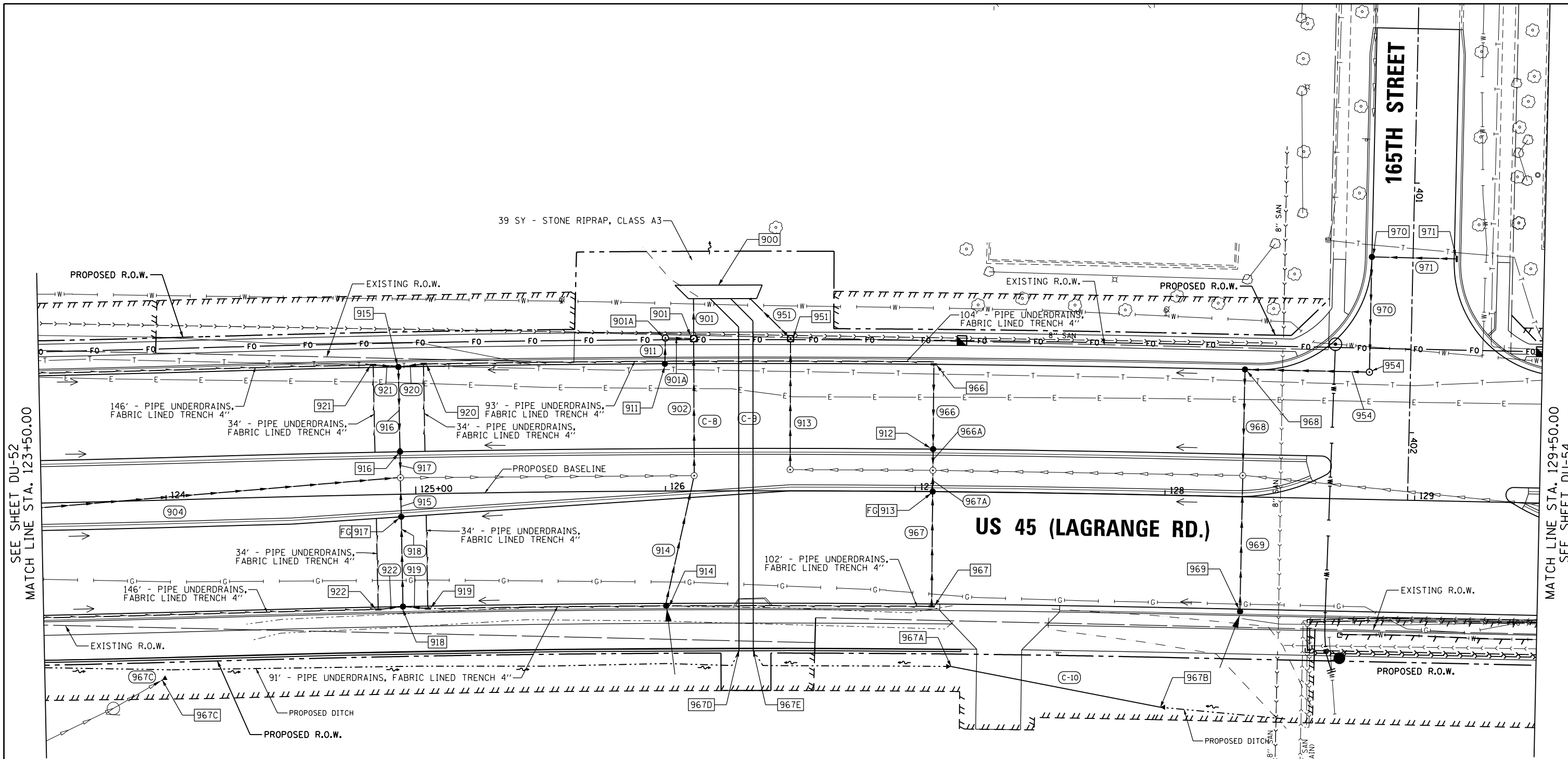
FILE NAME = D160F05-KEA-SHT-DRAINPR17.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 17 OF 35 SHEETS STA. 117+50.00 TO STA. 123+50.00

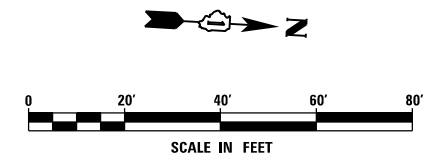
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	308
DU-52			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-52
MATCH LINE STA. 123+50.00

MATCH LINE STA. 129+50.00
SEE SHEET DU-54

SEE DU-69 FOR 165TH ST. PROPOSED DRAINAGE



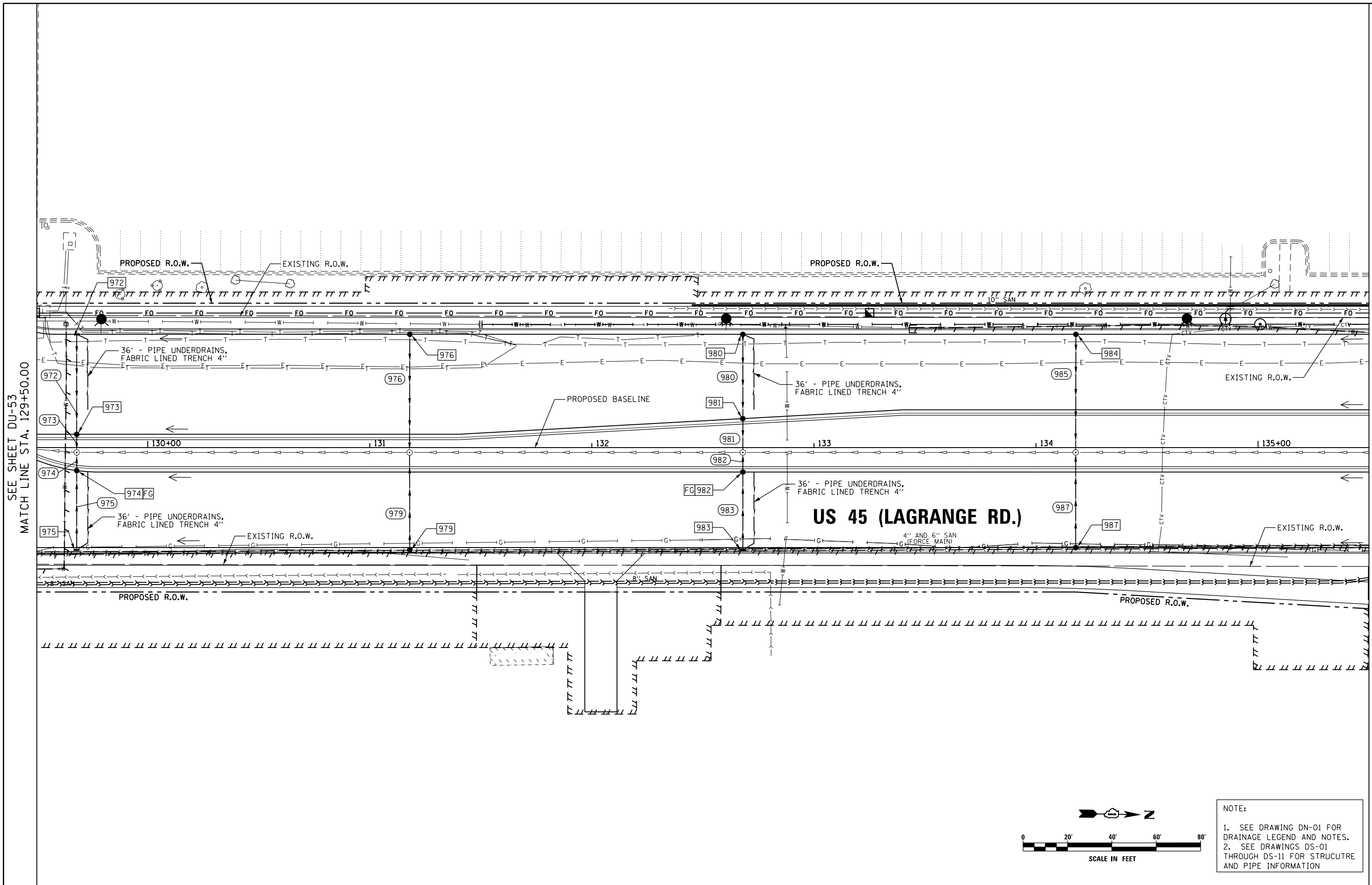
NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR18.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)
SCALE: 1"=20' SHEET 18 OF 35 SHEETS STA. 123+50.00 TO STA. 129+50.00

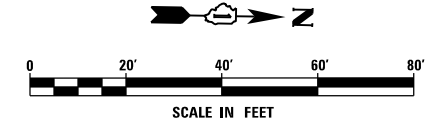
F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	309
DU-53		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-53
 MATCH LINE STA. 129+50.00

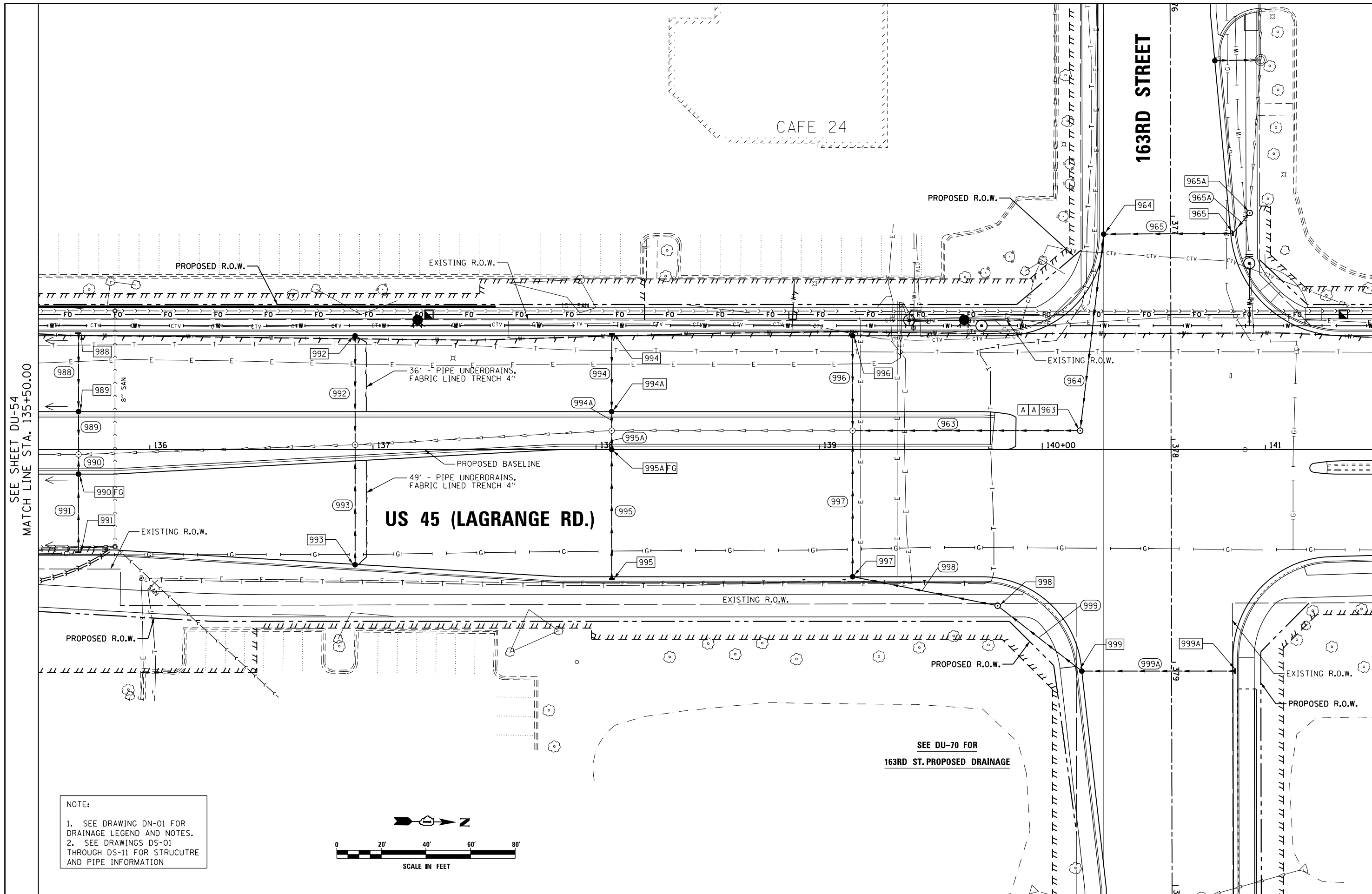
MATCH LINE STA. 135+50.00
 SEE SHEET DU-55

US 55 (LAGRANGE RD.)

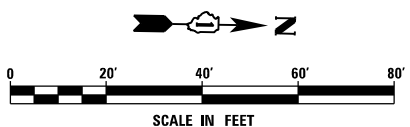


NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR19.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN - US 55 (LAGRANGE ROAD)			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 310
	PLOT SCALE = 48.0001' / in.	CHECKED - JRS	REVISED -					DU-54			CONTRACT NO. 60F05	
SHT. PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -	SCALE: 1"=20'			SHEET 19 OF 35 SHEETS	STA. 129+50.00 TO STA. 135+50.00				



NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



SEE SHEET DU-54
MATCH LINE STA. 135+50.00

MATCH LINE STA. 141+50.00
SEE SHEET DU-56

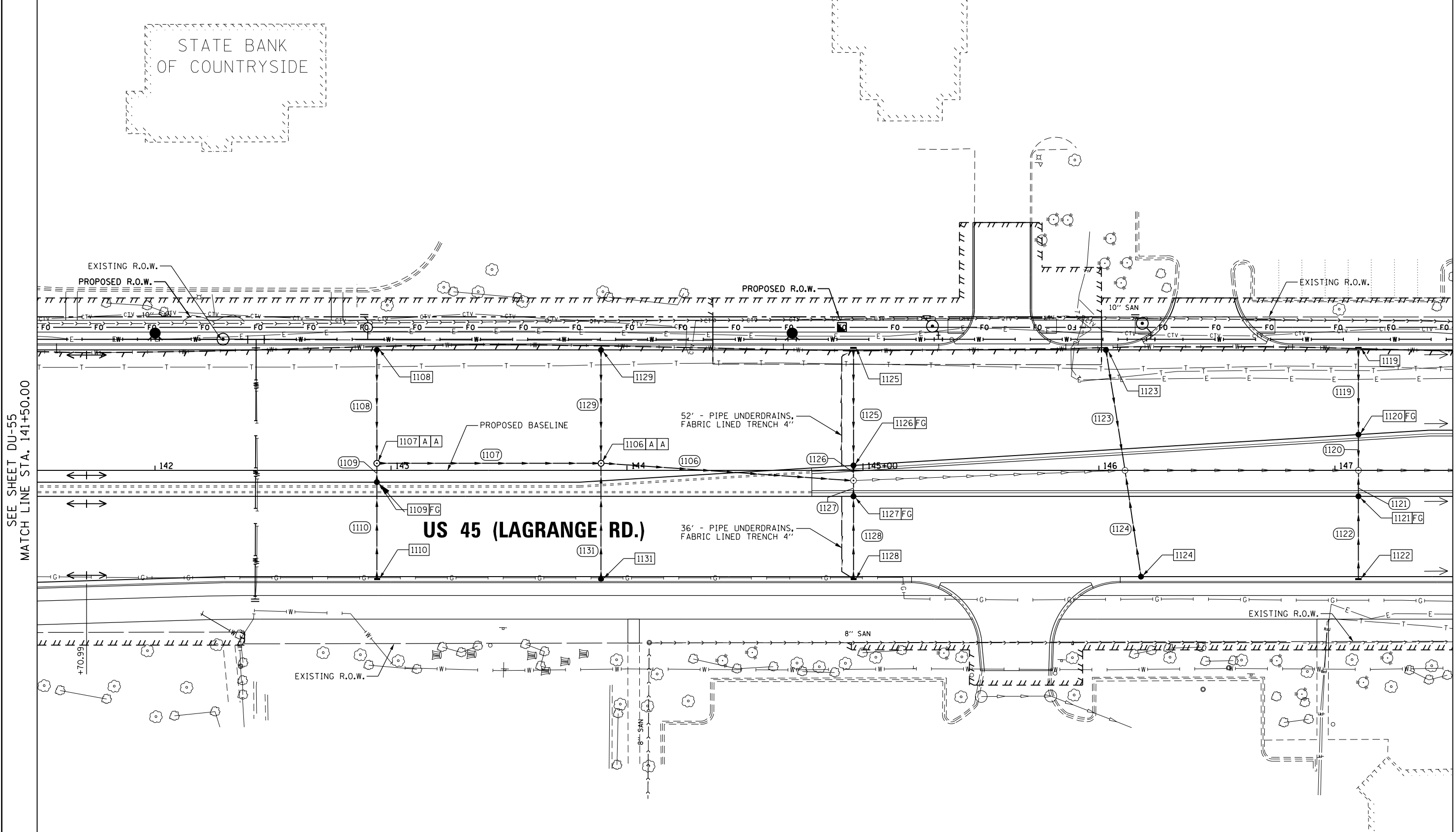
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SHT.PLAN	PLOT SCALE = 48.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)
SCALE: 1"=20' SHEET 20 OF 35 SHEETS STA. 135+50.00 TO STA. 141+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	311
DU-55			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

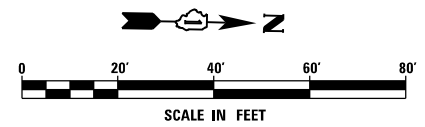
STATE BANK
OF COUNTRYSIDE



SEE SHEET DU-55
MATCH LINE STA. 141+50.00

MATCH LINE STA. 147+50.00
SEE SHEET DU-57

US 45 (LAGRANGE RD.)



NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

URS
100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 935-1000
FAX (312) 935-4198

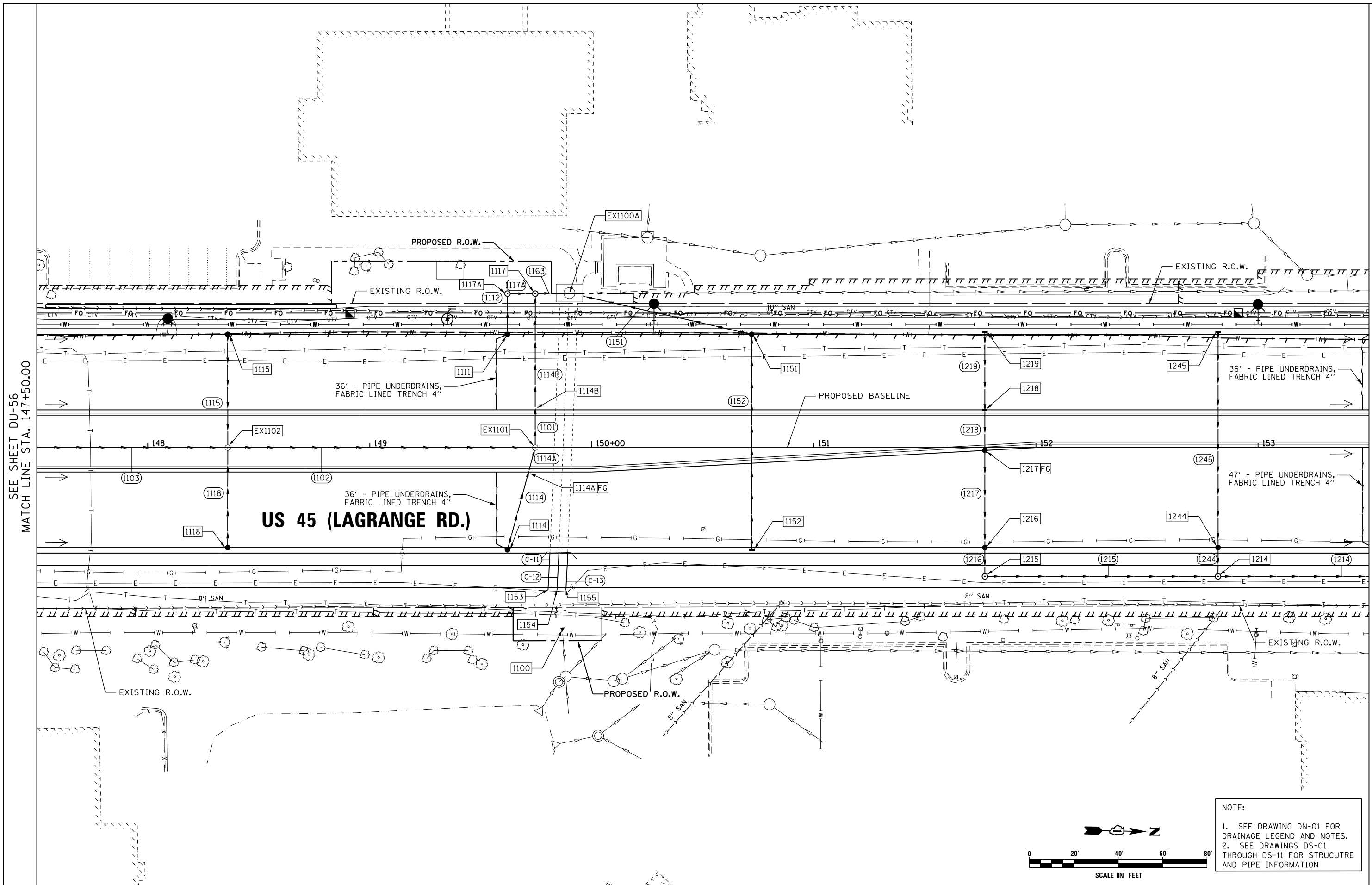
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		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 21 OF 35 SHEETS STA. 141+50.00 TO STA. 147+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 312
DU-56		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



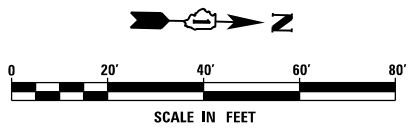
SEE SHEET DU-56
MATCH LINE STA. 147+50.00

MATCH LINE STA. 153+50.00
SEE SHEET DU-58

US 45 (LAGRANGE RD.)

NOTE:

- SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
- SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



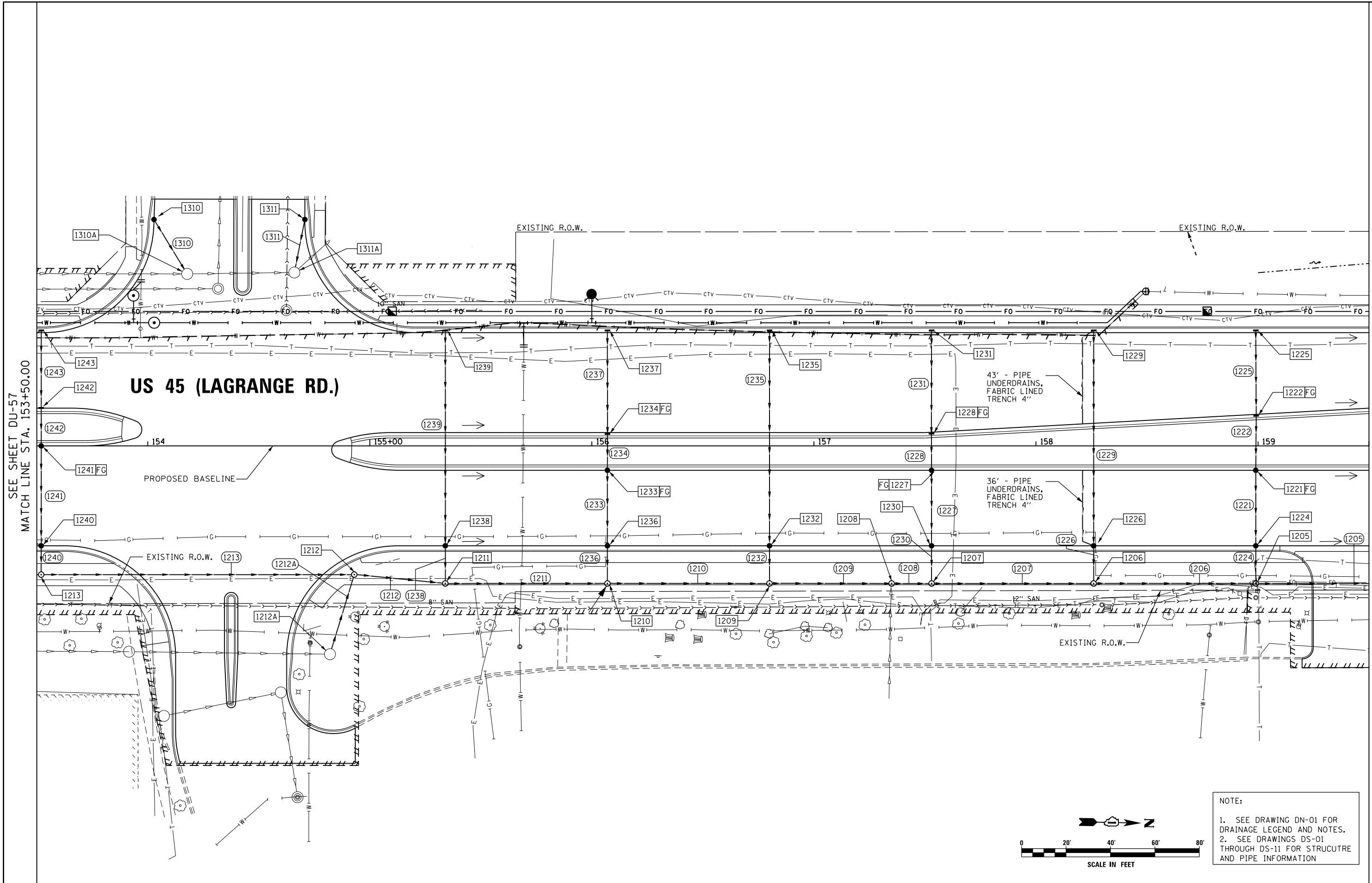
FILE NAME = D160F05-KEA-SHT-DRAINPR22.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -
PLOT SCALE = 48.0001' / in.			
PLOT DATE = 3/13/2013			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 22 OF 35 SHEETS STA. 147+50.00 TO STA. 153+50.00

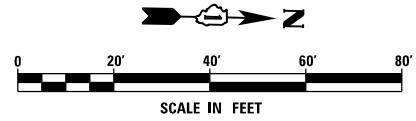
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 313
DU-57		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-57
 MATCH LINE STA. 153+50.00

MATCH LINE STA. 159+50.00
 SEE SHEET DU-59

NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



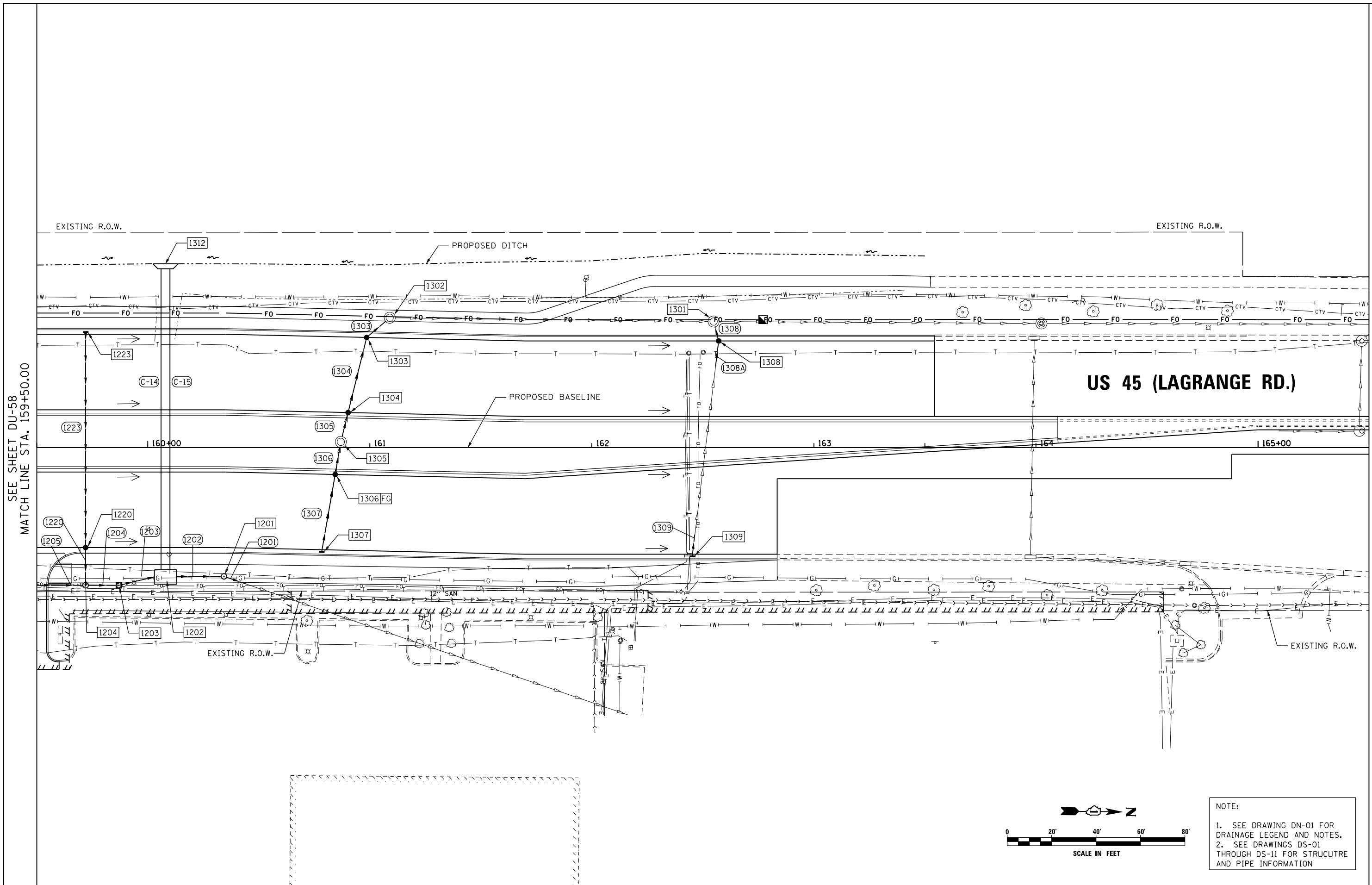
FILE NAME = D160F05-KEA-SHT-DRAINPR23.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001" / in.		
	PLOT DATE = 3/13/2013		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

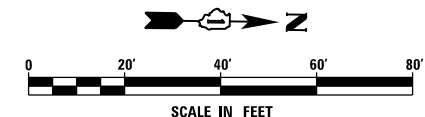
SCALE: 1"=20' SHEET 23 OF 35 SHEETS STA. 153+50.00 TO STA. 159+50.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	314
DU-58		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-58
 MATCH LINE STA. 159+50.00

MATCH LINE STA. 165+50.00
 SEE SHEET DU-60



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR24.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 24 OF 35 SHEETS STA. 159+50.00 TO STA. 165+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	315
DU-59			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

PROPOSED STRUCTURES AND PIPES
NONE

159TH STREET

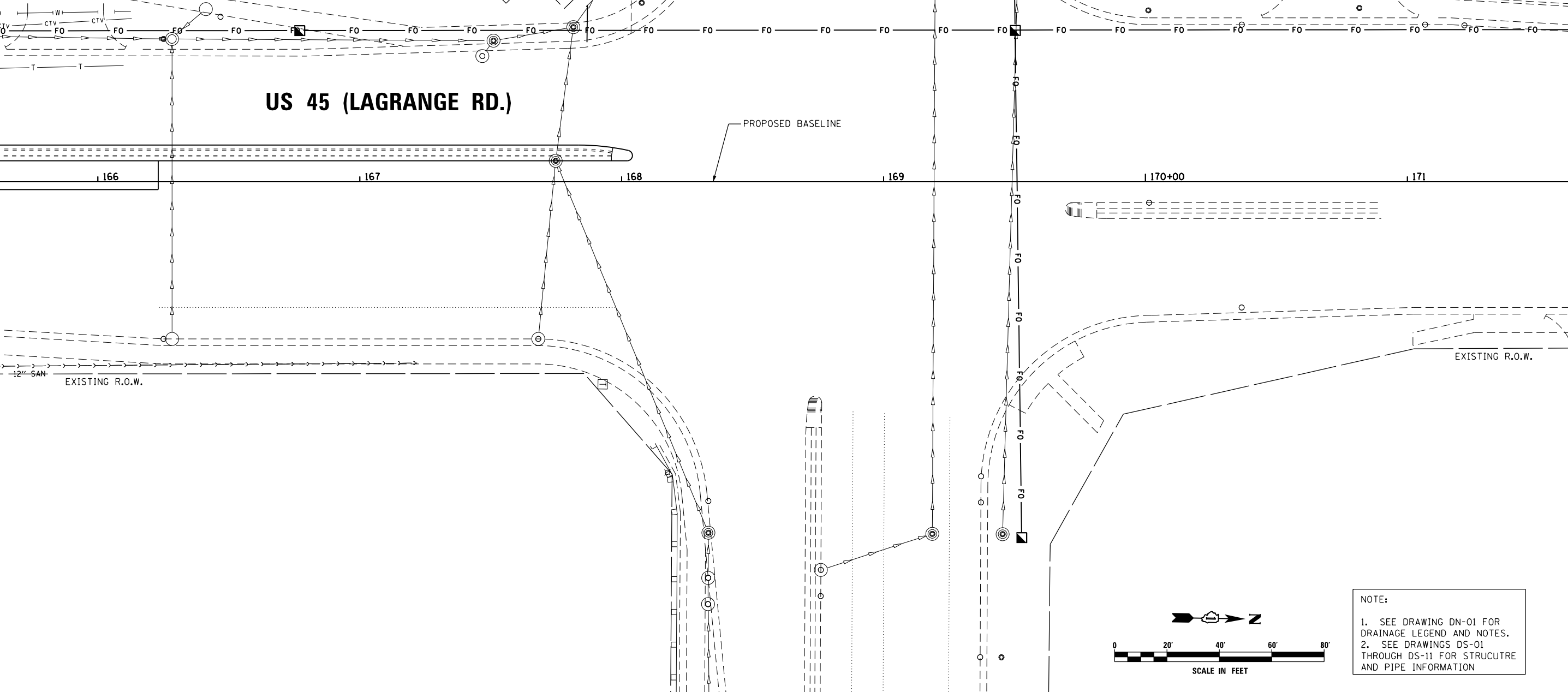
US 45 (LAGRANGE RD.)

PROPOSED BASELINE

EXISTING R.O.W.

EXISTING R.O.W.

EXISTING R.O.W.



SEE SHEET DU-59
MATCH LINE STA. 165+50.00

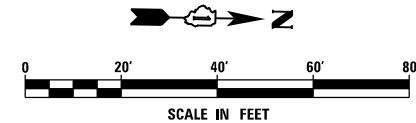
URS
100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

FILE NAME = D160F05-KEA-SHT-DRAINPR25.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 25 OF 35 SHEETS STA. 165+50.00 TO STA. END

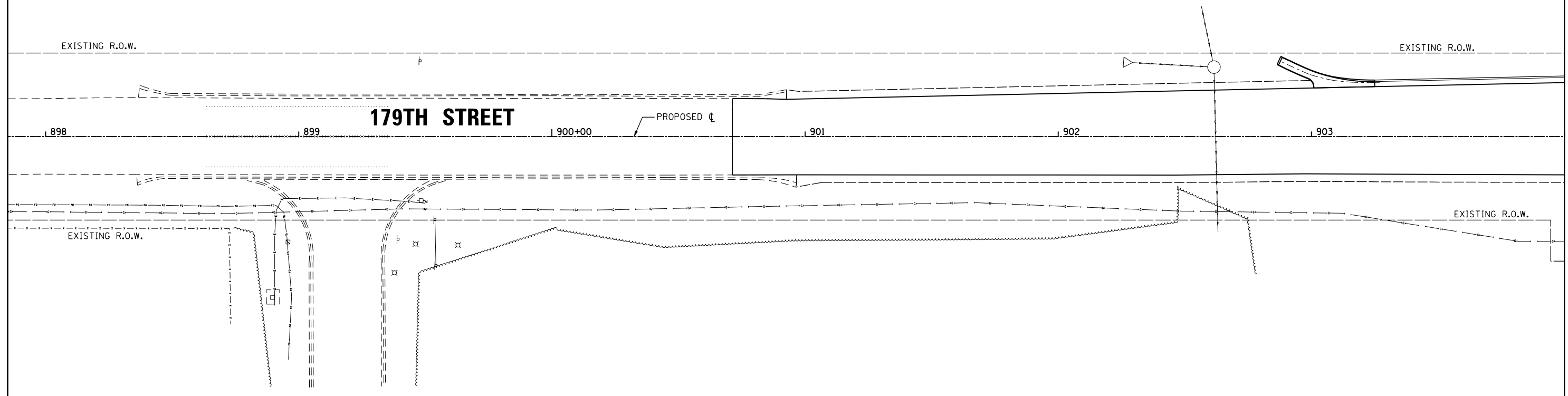


NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 316
DU-60			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

PROPOSED STRUCTURES AND PIPES

NONE



MATCH LINE STA. 904+00.00
SEE SHEET DU-62

NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

URS
100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

FILE NAME = D160F05-KEA-SHT-DRAINPR26.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

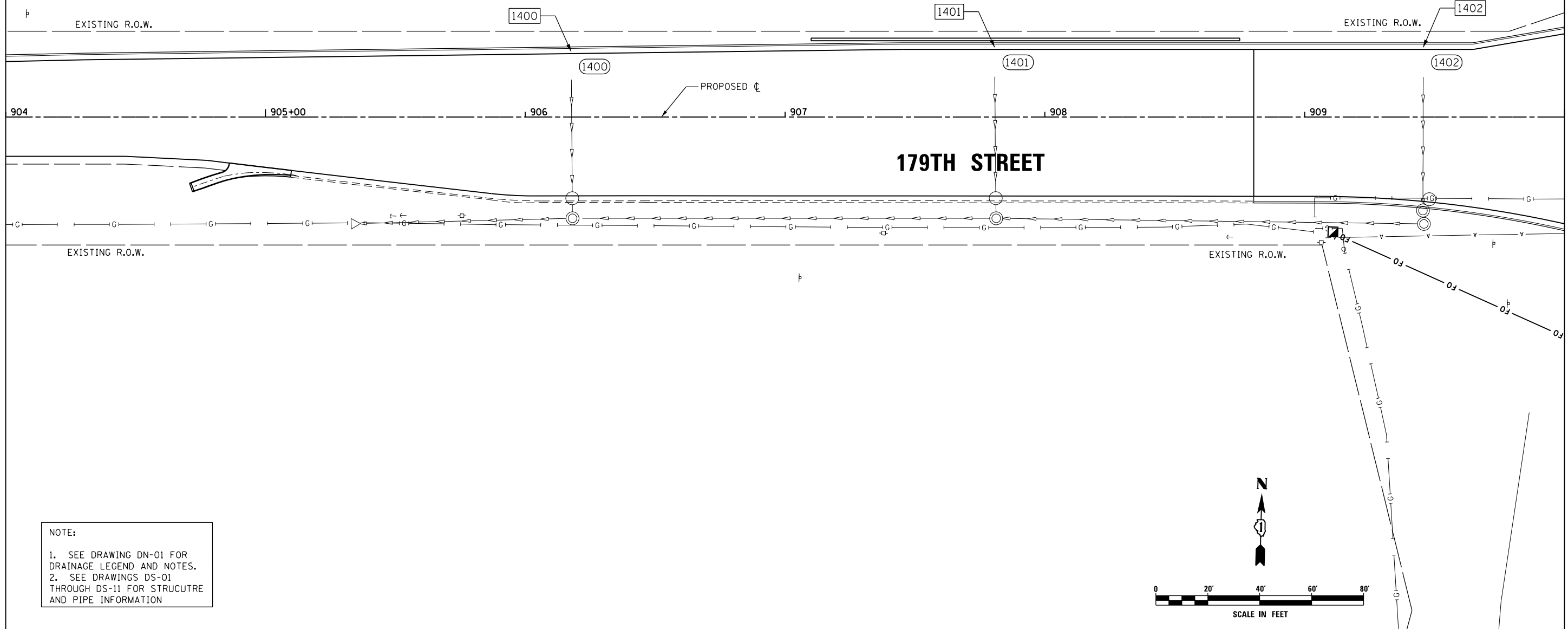
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 179TH STREET
SCALE: 1"=20' SHEET 26 OF 35 SHEETS STA. BEGIN TO STA. 904+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 317
DU-61			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-61
MATCH LINE STA. 904+00.00

MATCH LINE STA. 910+00.00
SEE SHEET DU-63



NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

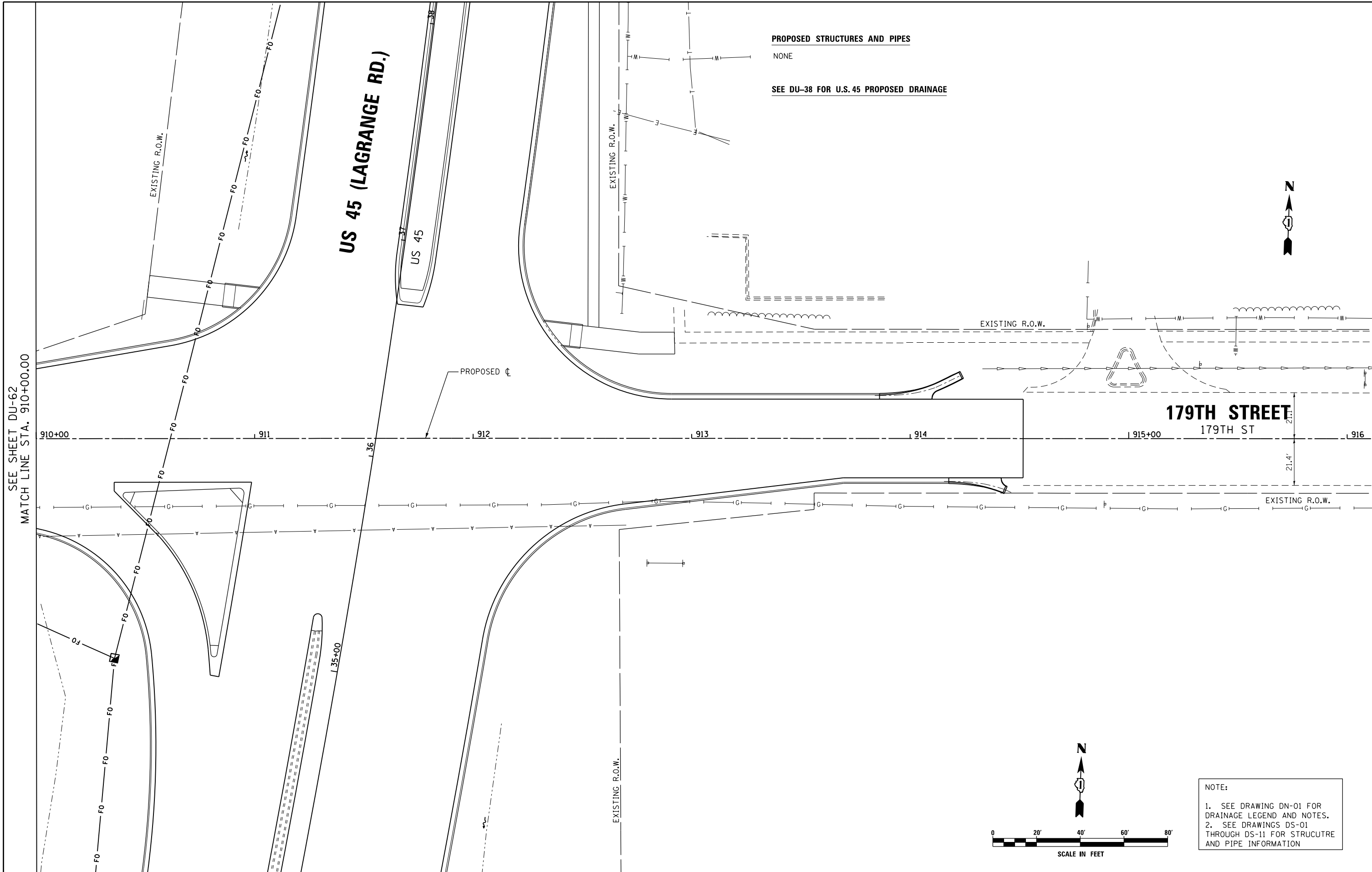
FILE NAME = D160F05-KEA-SHT-DRAINPR27.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 179TH STREET

SCALE: 1"=20' SHEET 27 OF 35 SHEETS STA. 904+00.00 TO STA. 910+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 318
DU-62			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-62
 MATCH LINE STA. 910+00.00

FILE NAME = D160F05-KEA-SHT-DRAINPR28.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 179TH STREET

SCALE: 1"=20' SHEET 28 OF 35 SHEETS STA. 910+00.00 TO STA. END

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 319
DU-63			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME =	USER NAME = Anthony.Plutz
D160F05-KEA-SHT-DRAINPR29.dgn	
SHT.PLAN	

DESIGNED - MGS	REVISIONS
DRAWN - REW	REVISIONS
CHECKED - JRS	REVISIONS
DATE - 03/13/13	REVISIONS

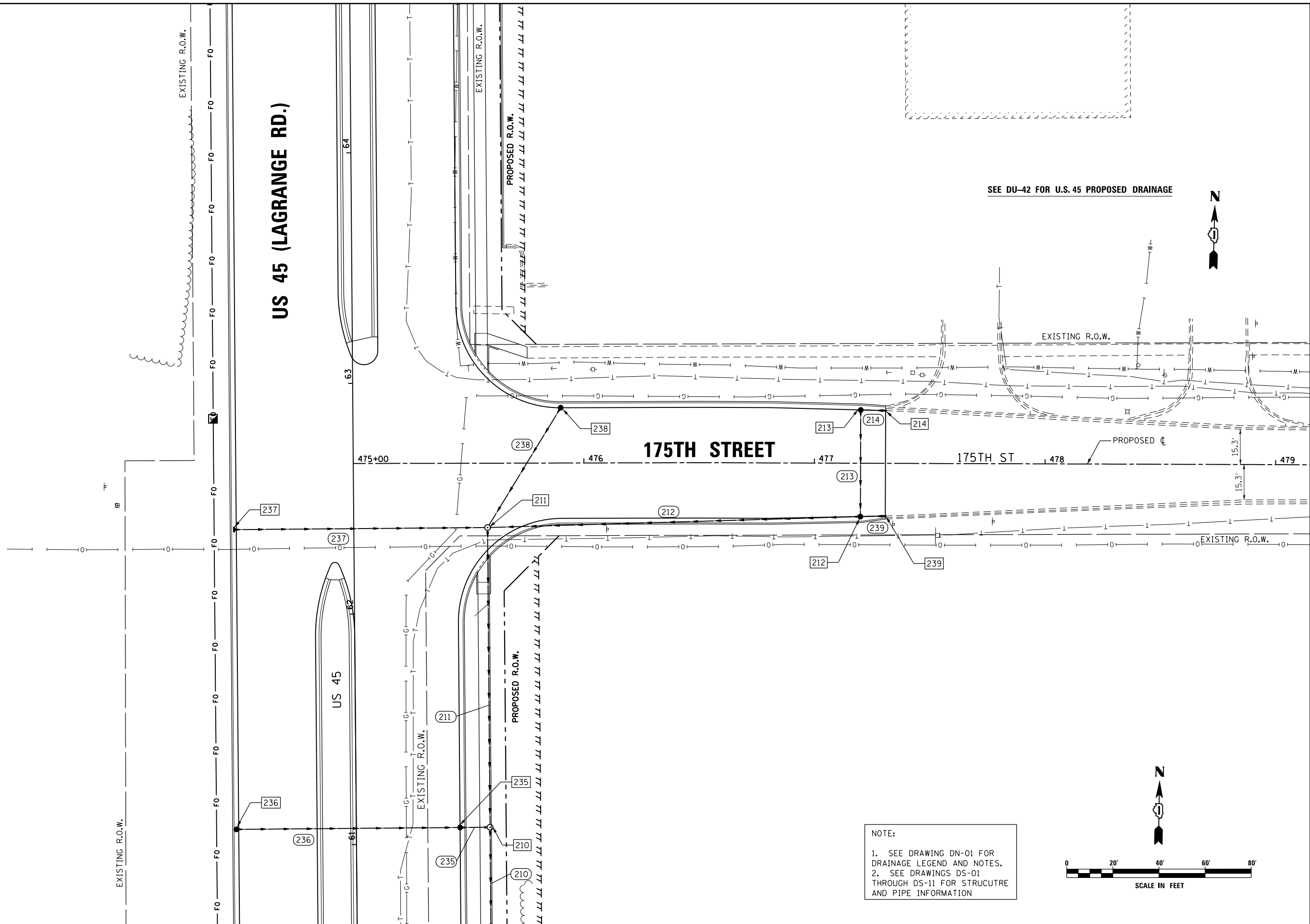
DESIGNED - MGS	REVISIONS
DRAWN - REW	REVISIONS
CHECKED - JRS	REVISIONS
DATE - 03/13/13	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

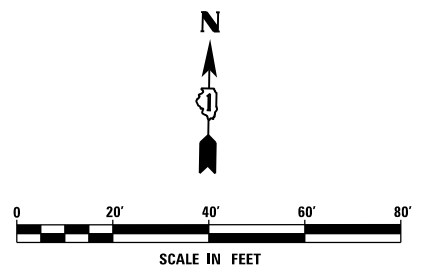
PROPOSED DRAINAGE PLAN - 175TH STREET

SCALE: 1"=20' SHEET 29 OF 35 SHEETS STA. TO STA.

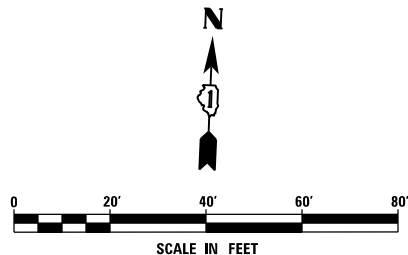
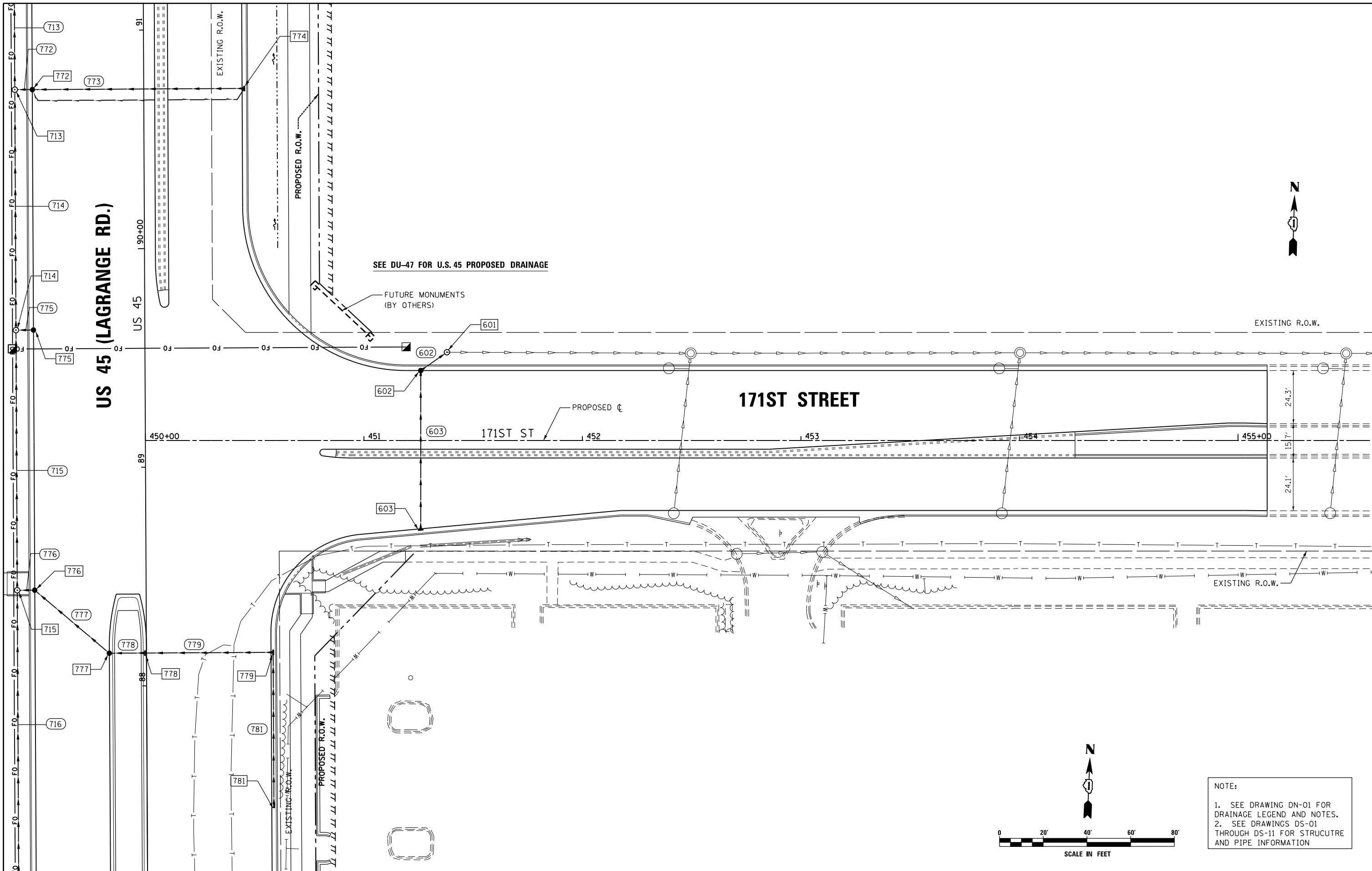
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	320
DU-64			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



SEE DU-42 FOR U.S. 45 PROPOSED DRAINAGE



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME = D160F05-KEA-SHT-DRAINPR30.dgn
 SHT.PLAN

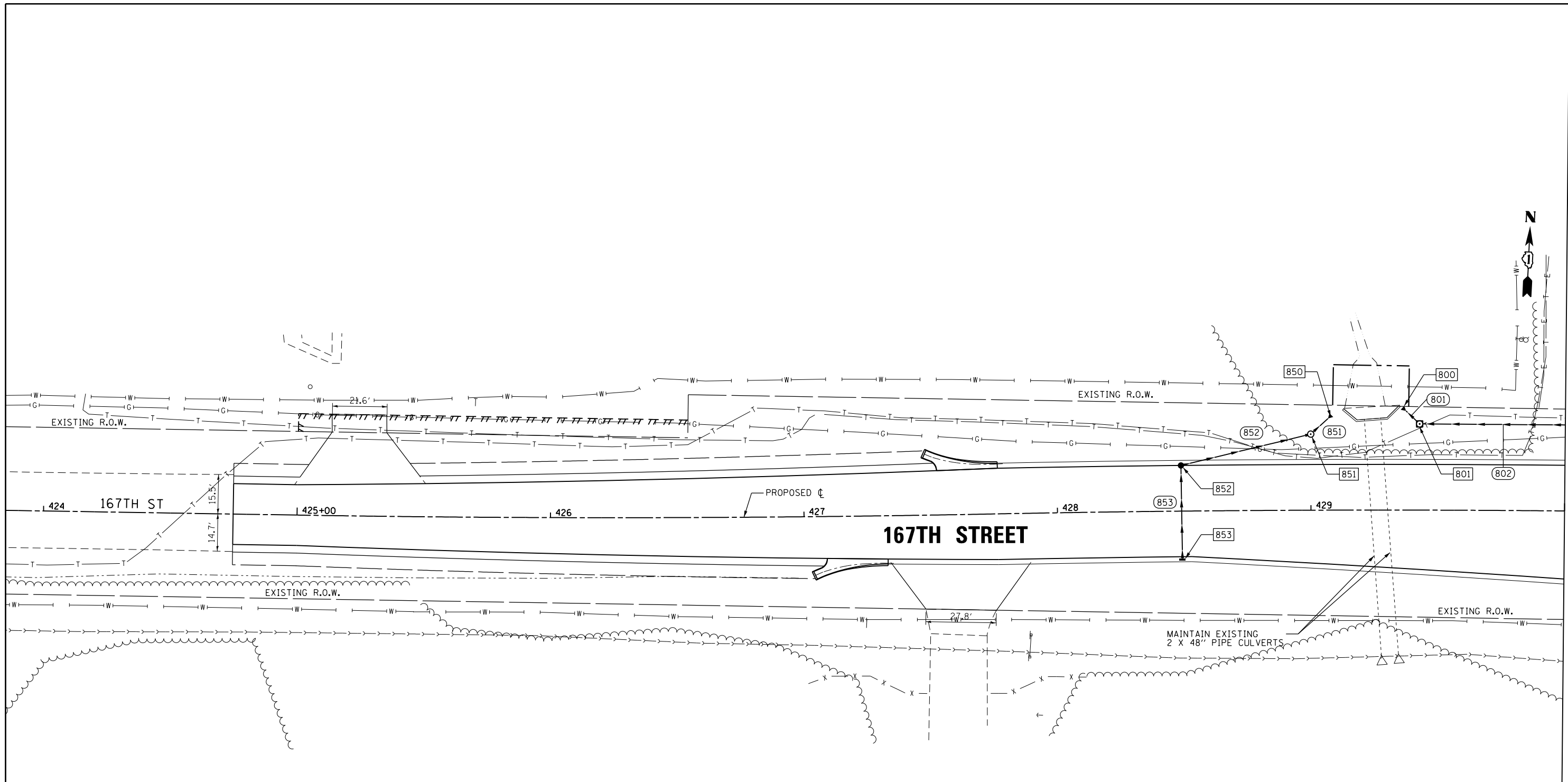
USER NAME = Anthony.Plutz
 DESIGNED - MGS
 DRAWN - REW
 CHECKED - JRS
 PLOT DATE = 3/13/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

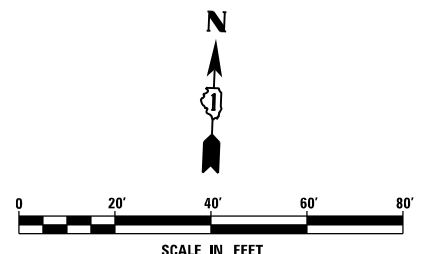
PROPOSED DRAINAGE PLAN - 171ST STREET
 SCALE: 1"=20' SHEET 30 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	321
DU-65			CONTRACT NO. 60F05	
<small>ILLINOIS FED. AID PROJECT</small>				



MATCH LINE STA. 430+00.00
SEE SHEET DU-67

NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



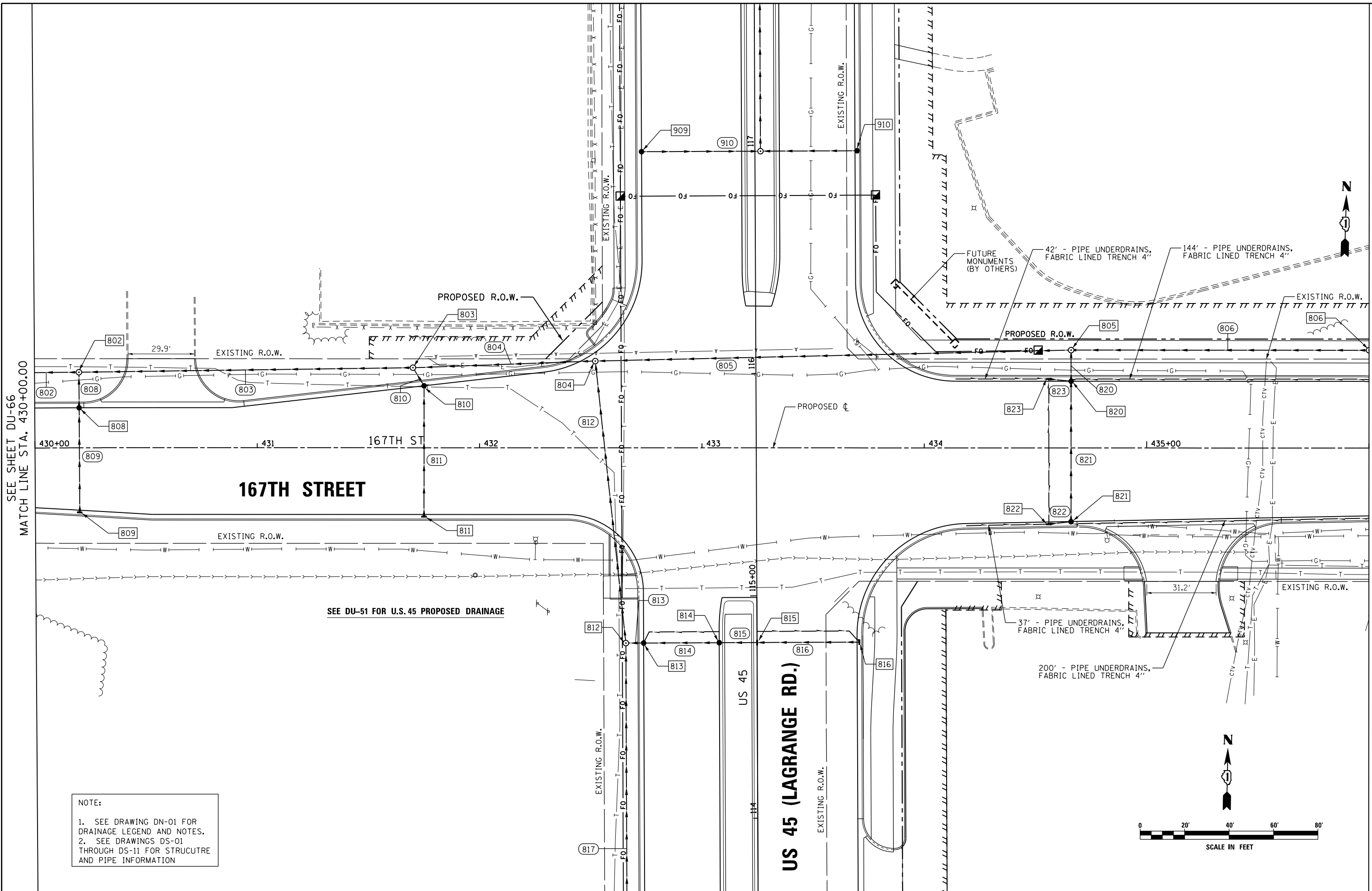
FILE NAME = D160F05-KEA-SHT-DRAINPR31.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 167TH STREET

SCALE: 1"=20' SHEET 31 OF 35 SHEETS STA. BEGIN TO STA. 430+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 322
DU-66			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

SEE SHEET DU-66
 MATCH LINE STA. 430+00.00

MATCH LINE STA. 436+00.00
 SEE SHEET DU-68

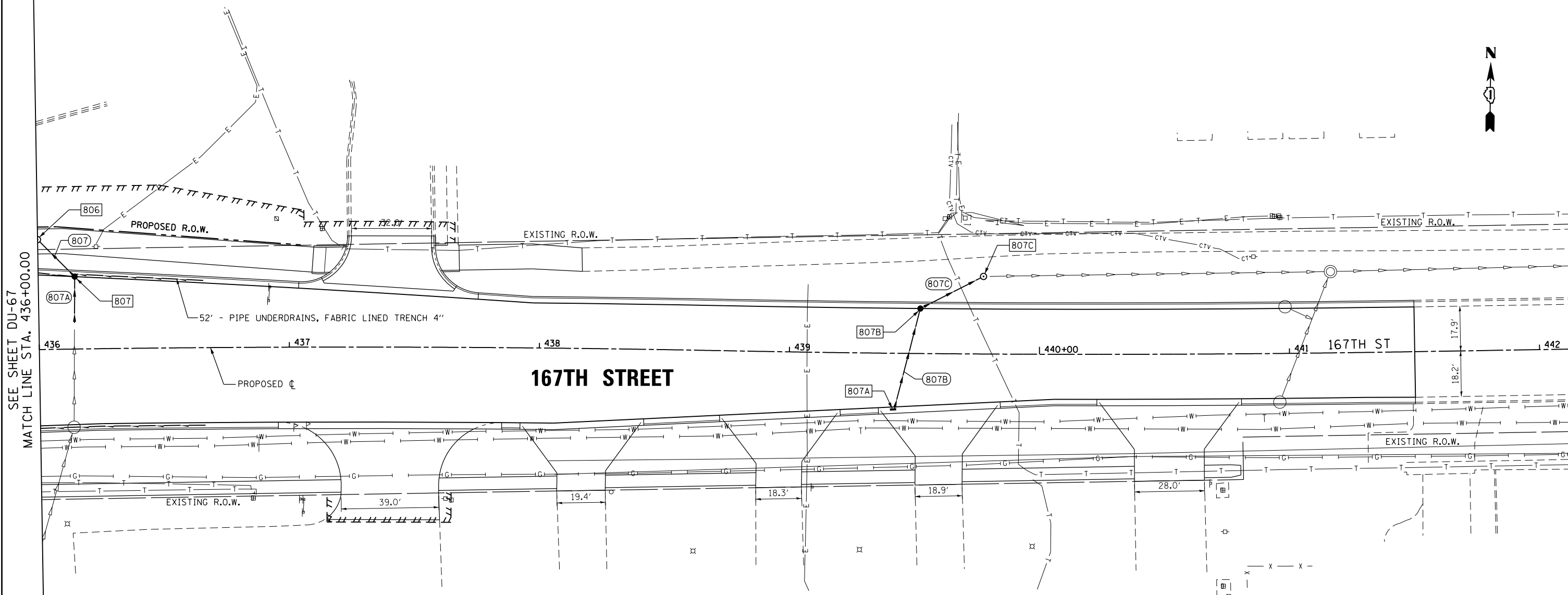
FILE NAME = D160F05-KEA-SHT-DRAINPR32.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 167TH STREET

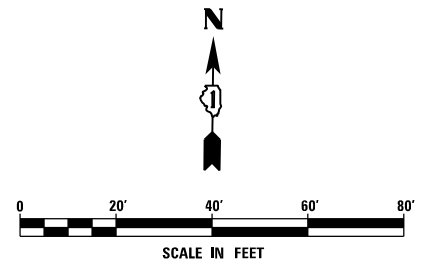
SCALE: 1"=20' SHEET 32 OF 35 SHEETS STA. 430+00.00 TO STA. 436+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 323
DU-67			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



SEE SHEET DU-67
MATCH LINE STA. 436+00.00

167TH STREET

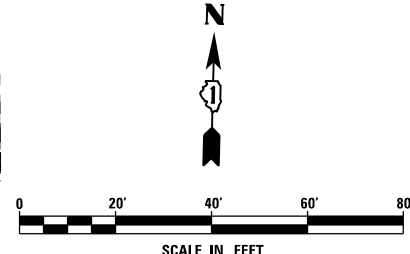
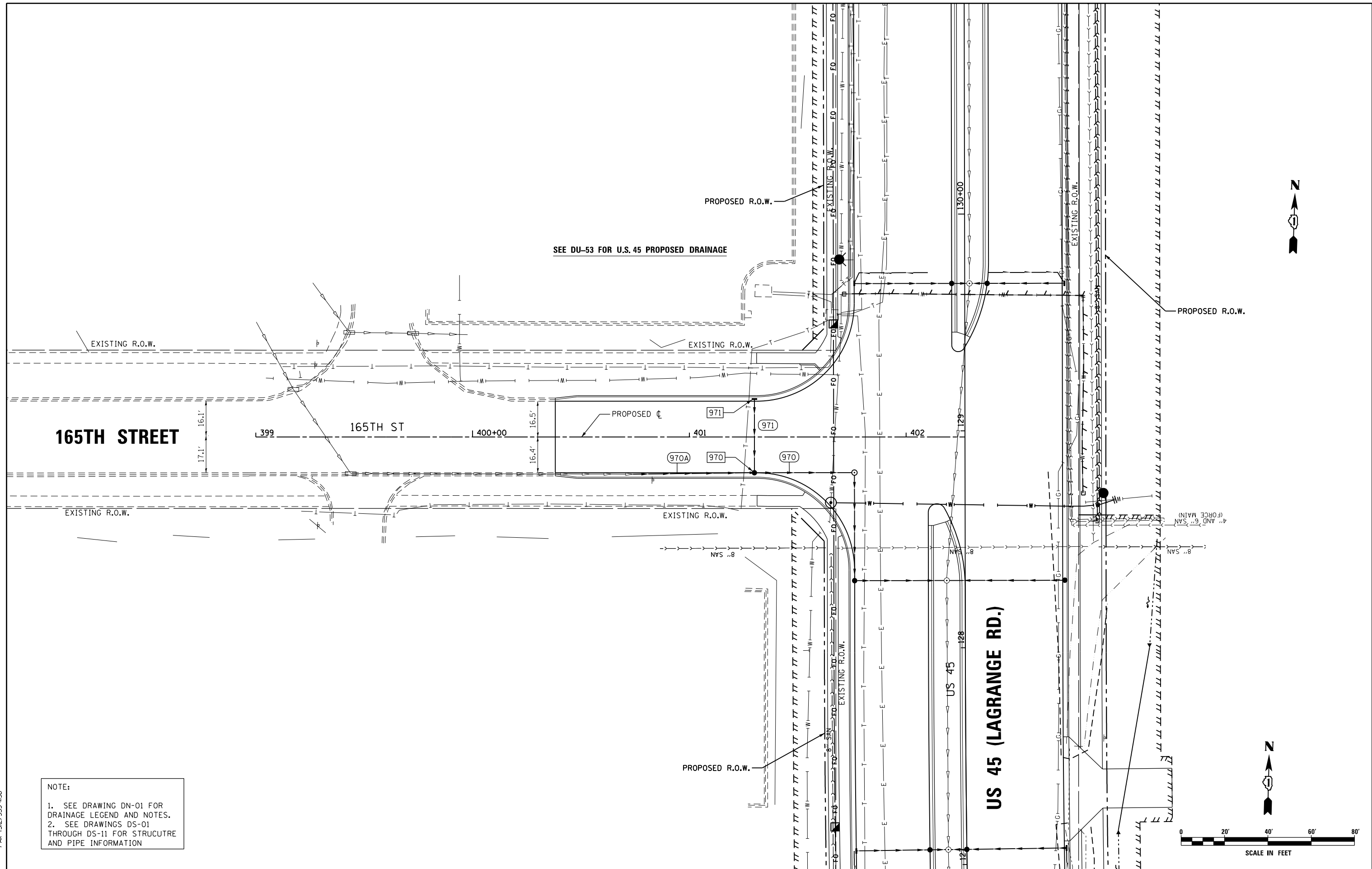


NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

URS
100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 935-1000
FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINPR33.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN - 167TH STREET			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 324
	PLOT SCALE = 48.0001' / in.	CHECKED - JRS	REVISED -					DU-68				CONTRACT NO. 60F05
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -	SCALE: 1"=20' SHEET 33 OF 35 SHEETS STA. 436+00.00 TO STA. END			ILLINOIS FED. AID PROJECT					

NOTE:
 1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
 2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

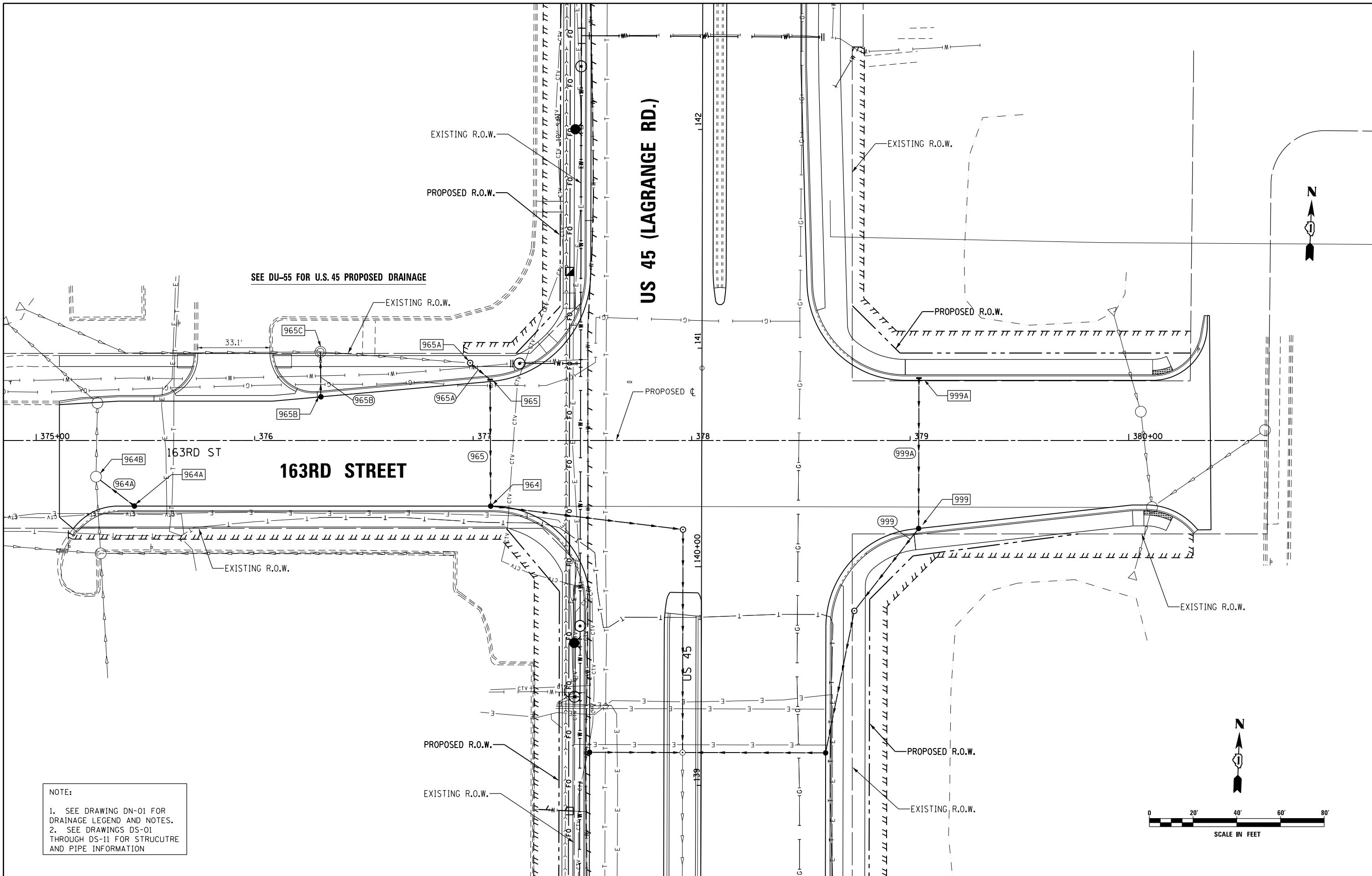


FILE NAME = D160F05-KEA-SHT-DRAINPR34.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 165TH STREET
 SCALE: 1"=20' SHEET 34 OF 35 SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 325
DU-69			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



NOTE:
1. SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
2. SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION

FILE NAME =	USER NAME = Anthony.Plutz
D160F05-KEA-SHT-DRAINPR35.dgn	
SHT.PLAN	

DESIGNED - MGS	REVISED -
DRAWN - REW	REVISED -
CHECKED - JRS	REVISED -
DATE - 03/13/13	REVISED -

DESIGNED - MGS	REVISED -
DRAWN - REW	REVISED -
CHECKED - JRS	REVISED -
DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN - 163RD STREET

SCALE: 1"=20' SHEET 35 OF 35 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	326
DU-70			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4198

STRUCTURE SCHEDULE

Table with columns: Drawing, STR. NO., STA., OFFSET, STRUCTURE, COVER, TEMP. RIM ELEV. CONTRACT 60F05, FINAL RIM ELEV. CONTRACT 60F05, N, E, S, W. Contains multiple rows of structure data with asterisks indicating specific installation requirements.

PIPE SCHEDULE

Table with columns: SHEET, PIPE NO., STR. NO. FROM, STR. NO. TO, DESCRIPTION, IN DIA., FT LEN, SLOPE, CU YD TBF. Lists pipe installation details for various structure sheets.

* INDICATES STRUCTURE SHALL BE INITIALLY INSTALLED USING A TYPE A, TYPE I FRAME AND CLOSED LID. ULTIMATELY DURING STAGED CONSTRUCTION THE FINAL FRAME AND GRATE WILL BE INSTALLED AND PAID FOR SEPARATELY (REFER TO SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION SHEETS FOR DETAILS)

STRUCTURE SCHEDULE

Table with columns: Drawing, STR. NO., STA., OFFSET, STRUCTURE, COVER, TEMP. RIM ELEV., FINAL RIM ELEV., N, E, S, W. Rows include structure details for drawings DU-39 and DU-40.

PIPE SCHEDULE

Table with columns: SHEET, PIPE NO., STR. NO., STR. NO., DESCRIPTION, IN DIA., FT LEN, SLOPE, CU YD TBF. Rows include pipe details for drawings DU-39 and DU-40.

* INDICATES STRUCTURE SHALL BE INITIALLY INSTALLED USING A TYPE A, TYPE I FRAME AND CLOSED LID. ULTIMATELY DURING STAGED CONSTRUCTION THE FINAL FRAME AND GRATE WILL BE INSTALLED AND PAID FOR SEPARATELY (REFER TO SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION SHEETS FOR DETAILS)



FILE NAME = D:\60F05-SHT-Drain Schedules.dgn

USER NAME = Anthony.Plutz
DESIGNED -
DRAWN -
PLOT SCALE = 48.000000' / in.
CHECKED -
PLOT DATE = 3/12/2013
DATE - 03/13/13
REVISED -
REVISOR -
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., SCALE, SHEET 02 OF 11 SHEETS, STA., TO STA., ILLINOIS FED. AID PROJECT

STRUCTURE SCHEDULE

Drawing	STR. NO.	STA.	OFFSET	STRUCTURE	COVER	TEMP. RIM ELEV. CONTRACT 60F05	FINAL RIM ELEV. CONTRACT 60F05	N	E	S	W
DU-44	400	75+09.0	63.0' LT	CIP END SECTION					737.23(E) 36"	738.20(E) 24"	
	401	75+02.0	58.0' LT	MH TA 6D/R-PLT	2-T1F CL		744.78			738.35(S) 24"	738.25(W) 24"
	402	74+84.0	59.0' LT	MH TA 4	T1F CL		744.85	738.50(N) 24"	740.49(E) 12"	738.50(S) 24"	
	403	73+41.0	58.8' LT	MH TA 4	T1F CL		747.54	739.00(N) 24"	742.11(SE) 12"	740.52(S) 15"	
	EX404	72+90.5	58.8' LT	EX MH			748.49	741.29(N) 15"		742.34(S) 15"	
	405	71+91.0	58.6' LT	MH TA 4	T1F CL		750.35	744.27(N) 15"	745.44(SE) 12"	744.35(S) 15"	
	406	70+41.0	58.4' LT	MH TA 4	T1F CL		753.59	747.35(N) 15"	748.04(SE) 12"	747.43(S) 16"	
	EX407	69+82.6	58.3' LT	EX MH			754.41	748.52(N) 15"		748.78(S) 12"	
	413	74+84.0	51.0' LT	CB TA 4	T24 F&G		745.41		740.53(E) 12"		740.53(W) 12"
	416	74+84.0	45.0' RT	IN TA 2	T24 F&G		745.41				741.29(W) 12"
	417	73+39.7	51.0' LT	CB TA 4	T24 F&G		747.88	742.19(NW) 12"	742.19(SE) 12"		
	418	73+34.0	17.0' LT	CB TA 4	T23 F&G		748.71		742.73(E) 12"		742.53(NW) 12"
*	419	73+34.0	11.0' RT	IN TB 3	T23 F&G		748.71		743.21(E) 12"		743.01(W) 12"
	420	73+34.0	45.0' RT	IN TA 2	T24 F&G		747.97				743.60(NW) 12"
	421	71+90.5	51.0' LT	CB TA 4	T24 F&G		750.91	745.52(NW) 12"	745.52(SE) 12"		
	424	71+84.0	45.0' RT	IN TA 2	T24 F&G		750.54				746.17(NW) 12"
	425	70+40.0	51.0' LT	CB TA 4	T24 F&G		753.00	748.12(NW) 12"	748.12(SE) 12"		
*	426	70+34.0	17.0' LT	CB TA 4	T23 F&G		753.84		748.46(E) 12"		748.46(W) 12"
*	427	70+34.0	11.0' RT	IN TB 3	T23 F&G		753.84		748.70(E) 12"		748.70(W) 12"
	428	70+34.0	45.0' RT	IN TA 2	T24 F&G		753.10				748.98(NW) 12"
	429	75+09.0	64.0' RT	WALL OPENING							736.64(W) 36"
	430	75+14.0	64.0' RT	WALL OPENING							736.64(W) 36"
DU-45	503	80+97.0	58.4' LT	MH TA 5	T1F CL		740.52	735.26(N) 24"	735.71(SE) 12"	735.26(S) 21"	
	504	80+21.0	58.3' LT	MH TA 4	T1F CL		740.85	735.47(N) 21"	735.51(SE) 12"	735.47(S) 21"	
	505	79+45.0	58.2' LT	MH TA 5	T1F CL		741.18	735.68(N) 21"	736.13(SE) 12"	735.68(S) 21"	
	EX506	78+81.0	58.1' LT	EX MH			741.47	735.85(N) 21"	736.38(SE) 12"	736.00(S) 15"	
	507	77+93.0	58.8' LT	MH TA 4	T1F CL		741.65	736.48(N) 15"	736.72(SE) 12"	736.48(S) 15"	
	508	77+17.0	59.3' LT	MH TA 4	T1F CL		741.90	736.90(N) 15"	737.04(SE) 12"	736.90(S) 15"	
	EX509	76+84.6	59.6' LT	EX MH			742.08	737.07(N) 15"		737.07(S) 15"	
	510	76+41.0	59.0' LT	MH TA 4	T1F CL		742.67	737.27(N) 15"	737.97(SE) 12"		
	511	76+39.6	51.0' LT	CB TA 4	T24 F&G		742.92		738.05(SE) 12"		738.05(NW) 12"
*	512	76+34.0	17.0' LT	CB TA 4	T23 F&G		743.72		738.39(E) 12"		738.39(NW) 12"
*	513	76+34.0	11.0' RT	IN TB 3	T23 F&G		743.72		738.63(E) 12"		738.63(W) 12"
	514	76+34.0	45.0' RT	IN TA 2	T24 F&G		742.98				738.86(W) 12"
	519	80+95.8	51.0' LT	CB TA 4	T24 F&G		740.54	735.78(NW) 12"	735.78(SE) 12"		
*	520	80+90.0	17.0' LT	CB TA 4	T23 F&G		741.30		736.12(SE) 12"		736.12(NW) 12"
*	521	80+90.0	11.0' RT	IN TB 3	T23 F&G		741.30		736.28(E) 12"		736.28(W) 12"
	522	80+90.0	45.0' RT	IN TA 2	T24 F&G		740.56				736.44(W) 12"
	523	80+20.5	51.0' LT	CB TA 4	T24 F&G		740.84	735.58(NW) 12"	735.58(SE) 12"		
	526	80+14.0	45.0' RT	IN TA 2	T24 F&G		740.87				736.75(NW) 12"
	527	79+43.8	51.0' LT	CB TA 4	T24 F&G		741.15	736.20(NW) 12"	736.20(SE) 12"		
*	528	79+38.0	17.0' LT	CB TA 4	T23 F&G		741.91		736.54(E) 12"		736.54(NW) 12"
*	529	79+38.0	11.0' RT	IN TB 3	T23 F&G		741.91		736.78(E) 12"		736.78(W) 12"
	530	79+38.0	45.0' RT	IN TA 2	T24 F&G		741.17				737.05(W) 12"
	531	78+80.8	51.0' LT	CB TA 4	T24 F&G		741.41	736.40(NW) 12"	736.40(SE) 12"		
	534	78+74.0	45.0' RT	IN TA 2	T24 F&G		741.43				737.36(NW) 12"
	535	77+91.7	51.0' LT	CB TA 4	T24 F&G		741.76	736.75(NW) 12"	736.77(SE) 12"		
*	536	77+86.0	17.0' LT	CB TA 4	T23 F&G		742.53	737.09(NW) 12"	737.11(E) 12"		
*	537	77+86.0	11.0' RT	IN TB 3	T23 F&G		742.53		737.34(E) 12"		737.34(W) 12"
	538	77+86.0	45.0' RT	IN TA 2	T24 F&G		741.79				737.67(W) 12"
	539	77+17.2	51.0' LT	CB TA 4	T24 F&G		742.13	737.12(NW) 12"	737.12(SE) 12"		
	542	77+10.0	45.0' RT	IN TA 2	T24 F&G		742.20				738.08(NW) 12"

PIPE SCHEDULE

SHEET	PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
DU-44	C-3	400	429	PCUL CL A TY 2	36	127	0.46%	118.7
	C-4	400	430	PCUL CL A TY 2	36	127.1	0.46%	118.7
	401	401	400	SS, CL A, TY 2	24	2	2.50%	0.0
	402	402	401	SS, CL A, TY 2	24	13	1.15%	1.9
	403	403	402	SS, CL A, TY 2	24	139	0.36%	0.0
	413	413	402	SS, CL A, TY 2	12	3	1.33%	0.6
	415	416	413	SS, CL A, TY 2	12	95	0.80%	18.4
	417	417	403	SS, CL A, TY 2	12	2.9	2.76%	0.9
	418	418	417	SS, CL A, TY 2	12	32.2	1.06%	11.7
	419	419	418	SS, CL A, TY 2	12	23	1.22%	7.8
	420	420	419	SS, WMR	12	33.3	1.16%	8.6
	421	421	405	SS, CL A, TY 2	12	2.6	3.08%	0.7
	423	424	421	SS, WMR	12	95.2	0.68%	22.5
	425	425	406	SS, CL A, TY 2	12	2.5	3.20%	0.7
	426	426	425	SS, CL A, TY 2	12	32.3	1.05%	8.3
	427	427	426	SS, CL A, TY 2	12	23	1.04%	6.4
	428	428	427	SS, WMR	12	33.3	0.84%	7.2
DU-45	503	503	502	SS, CL A, TY 2	24	64	0.20%	0.0
	510	510	EX509	SS, CL A, TY 2	15	39.6	0.51%	0.0
	511	511	510	SS, CL A, TY 2	12	3.1	2.58%	0.7
	512	512	511	SS, CL A, TY 2	12	32.2	1.06%	8.3
	513	513	512	SS, CL A, TY 2	12	23	1.04%	6.4
	514	514	513	SS, CL A, TY 2	12	33.3	0.69%	7.2
	519	519	503	SS, CL A, TY 2	12	2	3.50%	0.5
	520	520	519	SS, CL A, TY 2	12	32.2	1.06%	8.3
	521	521	520	SS, CL A, TY 2	12	23	0.70%	5.9
	522	522	521	SS, CL A, TY 2	12	33.3	0.48%	7.2
	523	523	504	SS, CL A, TY 2	12	2.3	3.04%	0.6
	525	526	523	SS, CL A, TY 2	12	95.2	1.23%	20.5
	527	527	505	SS, CL A, TY 2	12	1.8	3.89%	0.5
	528	528	527	SS, CL A, TY 2	12	32.2	1.06%	9.0
	529	529	528	SS, CL A, TY 2	12	23	1.04%	6.4
	530	530	529	SS, CL A, TY 2	12	33.3	0.81%	7.2
	531	531	EX506	SS, CL A, TY 2	12	2.1	1.00%	0.5
	533	534	531	SS, CL A, TY 2	12	95.2	1.01%	20.5
	535	535	507	SS, CL A, TY 2	12	2.9	1.00%	0.7
	536	536	535	SS, CL A, TY 2	12	32.2	1.00%	9.0
	537	537	536	SS, CL A, TY 2	12	23	1.00%	6.4
	538	538	537	SS, CL A, TY 2	12	33.3	1.00%	7.2
	539	539	508	SS, CL A, TY 2	12	3.3	2.42%	0.8
	541	542	539	SS, CL A, TY 2	12	95.3	1.01%	20.5

* INDICATES STRUCTURE SHALL BE INITIALLY INSTALLED USING A TYPE A, TYPE I FRAME AND CLOSED LID. ULTIMATELY DURING STAGED CONSTRUCTION THE FINAL FRAME AND GRATE WILL BE INSTALLED AND PAID FOR SEPARATELY (REFER TO SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION SHEETS FOR DETAILS)

STRUCTURE SCHEDULE

Drawing	STR. NO.	STA.	OFFSET	STRUCTURE	COVER	TEMP. RIM ELEV. CONTRACT 60F05	FINAL RIM ELEV. CONTRACT 60F05	N	E	S	W
DU-48	706	99+43.0	59.0' LT	MH TA 5	T1F CL		723.29	713.97(N) 36"	717.88(E) 12"	713.97(S) 30"	
	707	98+13.0	59.0' LT	MH TA 5	T1F CL		724.74	714.34(N) 30"	719.46(E) 12"	716.24(S) 24"	
	708	96+83.0	59.0' LT	MH TA 4	T1F CL		726.21	718.12(N) 24"	718.40(E) 12"	718.10(S) 24"	
	709	95+53.0	59.0' LT	MH TA 4	T1F CL		727.92	719.74(N) 24"	722.38(E) 12"	719.73(S) 24"	
	710	94+23.0	59.0' LT	MH TA 4	T1F CL		729.12	721.37(N) 24"	723.70(E) 12"	721.47(S) 24"	
	746	99+43.0	51.0' LT	CB TA 4	T24 F&G		723.46		718.00(E) 12"		717.90(W) 12"
*	747	99+43.0	17.0' LT	CB TA 4	T23 F&G		724.20		718.42(E) 12"		718.32(W) 12"
*	748	99+43.0	11.0' RT	IN TB 3	T23 F&G		724.20		718.75(E) 12"		718.65(W) 12"
	749	99+43.0	45.0' RT	IN TA 2	T24 F&G		723.46				719.09(W) 12"
	750	98+13.0	51.0' LT	CB TA 4	T24 F&G		724.91		719.59(E) 12"		719.49(W) 12"
	753	98+13.0	45.0' RT	IN TA 2	T24 F&G		724.91				720.54(W) 12"
	754	96+83.0	51.0' LT	CB TA 4	T24 F&G		726.37		718.43(E) 12"		718.43(W) 12"
*	755	96+83.0	17.0' LT	CB TA 4	T23 F&G		727.11		718.59(E) 12"		718.59(W) 12"
*	756	96+83.0	11.0' RT	IN TB 3	T23 F&G		727.11		718.71(E) 12"		718.71(W) 12"
	757	96+83.0	45.0' RT	IN TA 2	T24 F&G		726.37		718.88(E) 12"		718.88(W) 12"
	758	96+83.0	63.0' RT	CB TA 4	TY8 GR		723.32				718.95(W) 12"
	759	95+53.0	51.0' LT	CB TA 4	T24 F&G		727.83		722.51(E) 12"		722.41(W) 12"
	760	95+53.0	45.0' RT	IN TA 2	T24 F&G		727.83				723.46(W) 12"
	761	94+23.0	51.0' LT	CB TA 4	T24 F&G		729.28		723.83(E) 12"		723.73(W) 12"
*	762	94+23.0	5.3' LT	CB TA 4	T23 F&G		730.18		724.36(E) 12"		724.26(W) 12"
*	763	94+23.0	11.0' RT	IN TB 3	T23 F&G		730.02		724.57(E) 12"		724.47(W) 12"
	764	94+23.0	45.0' RT	IN TA 2	T24 F&G		729.28				724.91(W) 12"
DU-49	700	105+16.8	63.0' LT	CIP END SECTION				712.50(E) 36"	712.50(E) 30"	712.85(E) 24"	
	701A	105+08.0	58.0' LT	MH TA 6	T1F CL		718.61			712.62(S) 36"	712.52(W) 36"
	701	104+98.0	58.0' LT	MH TA 6D/R-PLT	2-T1F CL		718.74	712.63(N) 36"		713.03(S) 36"	
	702	104+63.0	59.0' LT	MH TA 5	T1F CL		718.49	713.09(N) 36"	713.14(E) 15"	713.09(S) 36"	
	703	103+33.0	59.0' LT	MH TA 5	T1F CL		719.06	713.34(N) 36"	713.70(E) 12"	713.34(S) 36"	
	704	102+03.0	59.0' LT	MH TA 5	T1F CL		720.38	713.59(N) 36"	714.96(E) 12"	713.59(S) 36"	
	705	100+73.0	59.0' LT	MH TA 5	T1F CL		721.83	713.78(N) 36"	716.55(E) 12"	713.78(S) 36"	
	726	104+63.0	51.0' LT	CB TA 4	T24 F&G		718.61	714.17(N) 12"	713.16(E) 15"	714.17(S) 12"	713.16(W) 15"
*	727	104+63.0	17.0' LT	CB TA 4	T23 F&G		719.35		713.42(E) 15"		713.32(W) 15"
*	728	104+63.0	11.0' RT	CB TA 4	T23 F&G		719.35		713.75(E) 15"		713.65(W) 15"
	729	104+63.0	45.0' RT	CB TA 4	T24 F&G		718.61	714.17(N) 12"		714.17(S) 12"	714.07(W) 15"
	729A	104+63.0	61.0' RT	CB TC 2	TY8 GR		715.92	713.99(N) 15"			
	730	104+73.0	51.0' LT	IN TA 2	T24 F&G		718.61			714.24(S) 12"	
	731	104+53.0	51.0' LT	IN TA 2	T24 F&G		718.61	714.24(N) 12"			
	732	104+73.0	45.0' RT	IN TA 2	T24 F&G		718.61			714.24(S) 12"	
	733	104+53.0	45.0' RT	IN TA 2	T24 F&G		718.61	714.24(N) 12"			
	734	103+33.0	51.0' LT	CB TA 4	T24 F&G		719.15		713.83(E) 12"		713.73(W) 12"
	737	103+33.0	45.0' RT	IN TA 2	T24 F&G		719.15				714.78(W) 12"
	738	102+03.0	51.0' LT	CB TA 4	T24 F&G		720.54		715.08(E) 12"		714.98(W) 12"
*	739	102+03.0	17.0' LT	CB TA 4	T23 F&G		721.28		715.50(E) 12"		715.40(W) 12"
*	740	102+03.0	11.0' RT	IN TB 3	T23 F&G		721.28		715.83(E) 12"		715.73(W) 12"
	741	102+03.0	45.0' RT	IN TA 2	T24 F&G		720.54				716.17(W) 12"
	742	100+73.0	51.0' LT	CB TA 4	T24 F&G		722.00		716.68(E) 12"		716.58(W) 12"
	745	100+73.0	45.0' RT	IN TA 2	T24 F&G		722.00				717.63(W) 12"
	1700	105+14.5	79.0' RT	WALL OPENING							713.07(W) 30"
	1700A	105+19.0	79.0' RT	WALL OPENING							713.07(W) 30"
	1701A	105+25.5	58.0' LT	MH TA 5	T1F CL		718.60	712.94(N) 24"			712.94(W) 24"
	1701	105+35.0	58.0' LT	MH TA 6D/R-PLT	2-T1F CL		718.74	712.96(N) 24"		712.96(S) 24"	

PIPE SCHEDULE

SHEET	PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
DU-48	707	707	706	SS, CL A, TY 2	30	125	0.30%	0.0
	708	708	707	SS, CL A, TY 2	24	125.5	1.50%	0.0
	709	709	708	SS, CL A, TY 2	24	126	1.30%	0.0
	710	710	709	SS, CL A, TY 2	24	126	1.30%	0.0
	746	746	706	SS, CL A, TY 2	12	2.5	1.00%	0.7
	747	747	746	SS, CL A, TY 2	12	31.8	1.00%	10.2
	748	748	747	SS, CL A, TY 2	12	23	1.00%	7.4
	749	749	748	SS, CL A, TY 2	12	33.3	1.00%	7.9
	750	750	707	SS, CL A, TY 2	12	2.5	1.00%	0.7
	752	753	750	SS, CL A, TY 2	12	95	1.00%	22.4
	754	754	708	SS, CL A, TY 2	12	3	1.00%	2.6
	755	755	754	SS, CL A, TY 2	12	31.8	0.50%	29.3
	756	756	755	SS, CL A, TY 2	12	23	0.50%	21.9
	757	757	756	SS, CL A, TY 2	12	33.3	0.50%	29.6
	758	758	757	SS, CL A, TY 2	12	14	0.50%	1.3
	759	759	709	SS, CL A, TY 2	12	3	1.00%	0.9
	760	760	759	SS, CL A, TY 2	12	95	1.00%	22.4
	761	761	710	SS, CL A, TY 2	12	3	1.00%	0.9
	762	762	761	SS, CL A, TY 2	12	43.4	1.00%	13.9
	763	763	762	SS, CL A, TY 2	12	11.3	1.00%	3.6
	764	764	763	SS, CL A, TY 2	12	33.3	1.00%	7.9
DU-49	C-6	1700	700	PCUL CL A TY 2	30	142	0.40%	71.7
	C-7	1700A	700	PCUL CL A TY 2	30	142	0.40%	71.7
	701	701	701A	SS, CL A, TY 1	36	4	0.22%	1.3
	701A	701A	700	SS, CL A, TY 1	36	7.1	0.25%	0.0
	702	702	701	SS, CL A, TY 1	36	29.5	0.22%	7.2
	703	703	702	SS, CL A, TY 1	36	125	0.20%	30.5
	704	704	703	SS, CL A, TY 2	36	125	0.20%	65.0
	705	705	704	SS, CL A, TY 2	36	125	0.15%	102.0
	706	706	705	SS, CL A, TY 2	36	125	0.15%	139.1
	726	726	702	SS, CL A, TY 2	15	2.5	1.00%	0.8
	727	727	726	SS, CL A, TY 2	15	31.8	0.50%	11.2
	728	728	727	SS, CL A, TY 2	15	22.5	1.00%	7.9
	729	729	728	SS, CL A, TY 2	15	31.8	1.00%	8.2
	729A	729A	CULV	SS, CL A, TY 1	15	50.5	0.48%	0.0
	730	730	726	SS, CL A, TY 2	12	7	1.00%	0.7
	731	731	726	SS, CL A, TY 2	12	7	1.00%	1.4
	732	732	729	SS, CL A, TY 2	12	7	1.00%	1.4
	733	733	729	SS, CL A, TY 2	12	7	1.00%	1.4
	734	734	703	SS, CL A, TY 2	12	2.5	1.00%	0.7
	736	737	734	SS, CL A, TY 2	12	95	1.00%	22.4
	738	738	704	SS, CL A, TY 2	12	2.5	1.00%	0.7
	739	739	738	SS, CL A, TY 2	12	31.8	1.00%	10.2
	740	740	739	SS, CL A, TY 2	12	23	1.00%	7.4
	741	741	740	SS, CL A, TY 2	12	33.3	1.00%	7.9
	742	742	705	SS, CL A, TY 2	12	2.5	1.00%	0.7
	744	745	742	SS, CL A, TY 2	12	95	1.00%	22.4
	1701	1701	1701A	SS, CL A, TY 2	24	4	0.50%	1.3
	1701A	1701A	700	SS, CL A, TY 2	24	7.6	1.18%	0.0

* INDICATES STRUCTURE SHALL BE INITIALLY INSTALLED USING A TYPE A, TYPE I FRAME AND CLOSED LID. ULTIMATELY DURING STAGED CONSTRUCTION THE FINAL FRAME AND GRATE WILL BE INSTALLED AND PAID FOR SEPARATELY (REFER TO SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION SHEETS FOR DETAILS)



FILE NAME = D:\60F05-SHT-Drain Schedules.dgn	USER NAME = Anthony.Plutz	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE SCHEDULE	F.A.P RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 332		
SHT.PLAN	PLOT SCALE = 48.000000' / in.	CHECKED -	REVISED -			DS-06		CONTRACT NO. 60F05				
	PLOT DATE = 3/12/2013	DATE - 03/13/13	REVISED -			SCALE:	SHEET 06 OF 11 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

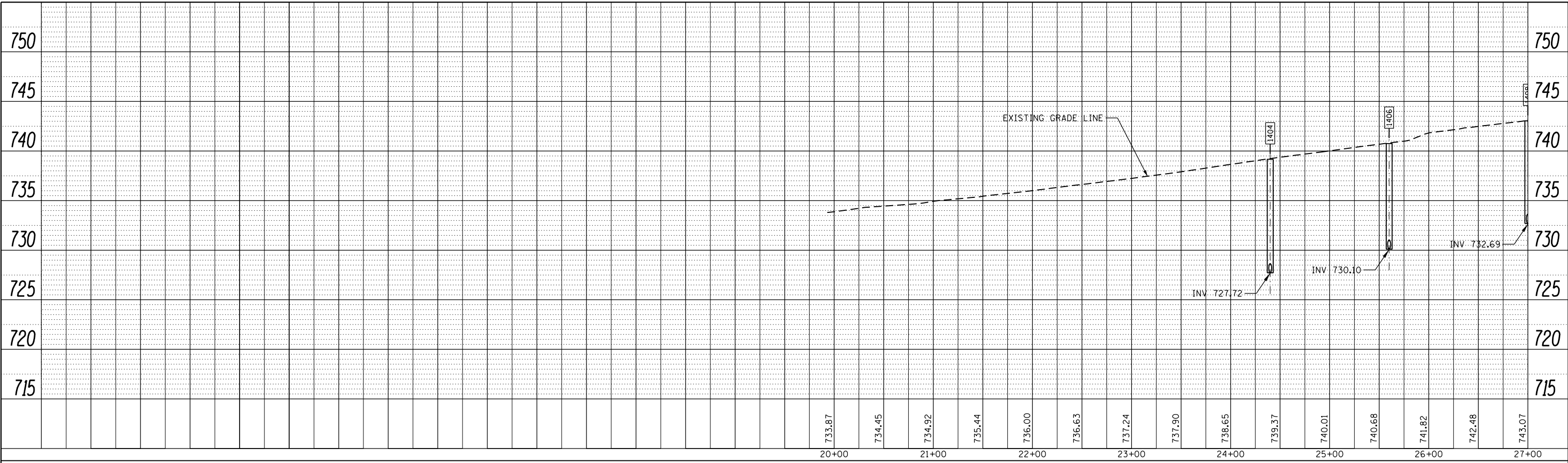
STRUCTURE SCHEDULE											
Drawing	STR. NO.	STA.	OFFSET	STRUCTURE	COVER	TEMP. RIM ELEV. CONTRACT 60F05	FINAL RIM ELEV. CONTRACT 60F05	N	E	S	W
DU-64	212	477+20.0	23.1' RT	CB TA 4	T24 F&G		759.18	754.23(N) 15"	754.77(E) 12"		754.22(W) 15"
(175TH)	213	477+20.0	23.1' LT	CB TA 4	T24 F&G		759.18		754.77(E) 12"	754.67(S) 15"	
	214	477+30.8	22.9' LT	IN TA 2	T24 F&G		759.22				754.85(W) 12"
	238	475+90.0	24.0' LT	CB TA 4	T24 F&G		759.99			755.62(SW) 12"	
	239	477+30.8	22.9' RT	IN TA 2	T24 F&G		759.22				754.85(W) 12"
DU-65	601	451+38.0	40.4' LT	MH TA 4	T1F CL		733.76		724.90(E) 15"	727.68(SW) 12"	
(171ST)	602	451+26.0	32.0' LT	CB TA 4	T24 F&G		733.18	727.78(NE) 12"		727.88(S) 12"	
	603	451+26.0	40.4' RT	IN TA 2	T24 F&G		732.97	728.60(N) 12"			
DU66	800	429+37.5	39.1' LT	30" FES						704.00(SE) 30"	
(167TH)	801	429+42.8	34.0' LT	MH TA 6D/R-PLT	2-T1F CL		714.36	704.06(NW) 30"	705.49(E) 30"		
	850	429+06.8	36.1' LT	12" FES						704.00(SW) 12"	
	851	429+00.0	30.0' LT	MH TA 4	T1F CL		712.16	704.14(NE) 12"		707.78(SW) 12"	
	852	428+49.0	18.0' LT	CB TA 4	T24 F&G		713.92	708.75(NE) 12"		708.85(S) 12"	
	853	428+49.0	18.0' RT	IN TA 2	T24 F&G		713.92	709.55(N) 12"			
DU-67	802	430+20.0	34.0' LT	MH TA 5	T1F CL		715.54		706.89(E) 24"	710.39(S) 12"	706.39(W) 30"
	803	431+70.0	36.0' LT	MH TA 5	T1F CL		717.51		708.92(E) 24"	712.35(SE) 12"	708.92(W) 24"
	804	432+52.0	39.0' LT	MH TA 4	T1F CL		717.86		709.69(E) 24"	713.28(S) 15"	709.69(W) 24"
	805	434+66.0	44.0' LT	MH TA 4	T1F CL		717.96		712.29(E) 18"	712.68(S) 12"	711.79(W) 24"
	806	436+00.0	44.0' LT	MH TA 4	T1F CL		718.96			714.15(SE) 12"	712.94(W) 18"
	808	430+20.0	18.0' LT	CB TA 4	T24 F&G		715.62	710.50(N) 12"		710.60(S) 12"	
	809	430+20.0	28.0' RT	IN TA 2	T24 F&G		715.42	711.05(N) 12"			
	810	431+75.0	27.9' LT	CB TA 4	T24 F&G		717.48	712.40(NW) 12"		712.50(S) 12"	
	811	431+75.0	30.0' RT	IN TA 2	T24 F&G		717.44	713.07(N) 12"			
	820	434+66.0	30.0' LT	CB TA 4	T24 F&G		717.88	712.77(N) 15"		712.77(S) 15"	712.77(W) 12"
	821	434+66.0	33.1' RT	CB TA 4	T24 F&G		717.82	713.38(N) 15"			713.38(W) 12"
	822	434+56.0	34.3' RT	IN TA 2	T24 F&G		717.83		713.46(E) 12"		
	823	434+56.0	30.0' LT	IN TA 2	T24 F&G		717.90		712.84(E) 12"		
DU-68	807	436+14.6	28.9' LT	CB TA 4	T24 F&G		718.89	714.48(NW) 12"		714.58(S) 12"	
	807A	439+42.0	21.5' RT	IN TA 2	T24 F&G		721.83	717.46(N) 12"			
	807B	439+52.0	18.0' LT	CB TA 4	T24 F&G		721.83	716.96(NE) 12"		717.06(S) 12"	
	807C	439+77.5	31.0' LT	MH TA 4	T1F CL		722.04		715.71(E) 12"	716.69(S) 12"	716.72(SW) 12"
DU-69	970	401+30.0	16.5' RT	CB TA 4	T24 F&G		706.51	701.82(N) 12"	699.15(E) 15"		699.55(W) 15"
(165TH)	971	401+30.0	16.5' LT	IN TA 2	T24 F&G		706.51			702.14(S) 12"	
DU-70	964	377+08.0	30.0' RT	CB TA 4	T24 F&G		723.31	718.05(N) 15"	718.05(E) 15"		
(163RD)	965	377+08.0	27.0' LT	IN TA 2	T24 F&G		723.37	718.61(NW) 15"		718.61(S) 15"	
	965A	376+98.6	35.5' LT	MH TA 4	T1F CL		724.50			718.70(SE) 15"	718.70(W) 12"
	965B	376+30.3	20.0' LT	CB TC 2	T24 F&G		722.94	720.34(N) 12"			
	965C	376+30.1	40.5' LT	ADJ MH	T1F CL		724.15		719.73(E) 12"	720.18(S) 12"	719.68(W) 12"
	964A	375+45.0	30.0' RT	CB TC 2	T24 F&G		722.44	719.76(NW) 12"			
	964B	375+27.4	16.6' RT	ADJ CB	T1F CL		722.70	719.66(N) 12"	719.66(E) 12"		

PIPE SCHEDULE								
SHEET	PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
DU-62	1400	1400	EX. PIPE	SS, CL A, TY 2	12	10	1.00%	2.4
	1401	1401	EX. PIPE	SS, CL A, TY 2	12	10.7	0.84%	1.6
	1402	1402	EX. PIPE	SS, CL A, TY 2	12	10.7	1.03%	2.1
DU-64	212	212	211	SS, CL A, TY 2	15	158.8	1.10%	107.3
	213	213	212	SS, CL A, TY 2	15	44.2	1.00%	10.4
	214	214	213	SS, CL A, TY 2	12	7.8	1.00%	1.5
	238	238	211	SS, CL A, TY 2	12	57	1.00%	14.6
	239	239	212	SS, CL A, TY 2	12	7.8	1.00%	1.5
DU-65	602	602	601	SS, CL A, TY 2	12	10.1	1.00%	3.4
	603	603	602	SS, CL A, TY 2	12	71.4	1.00%	16.9
DU-66	801	801	800	SS, CL A, TY 2	30	4.4	1.25%	6.5
	802	802	801	SS, CL A, TY 2	30	71.7	1.25%	0.0
	851	851	850	SS, CL A, TY 2	12	7.1	2.00%	6.3
	852	852	851	SS, CL A, TY 2	12	48.2	2.00%	6.6
	853	853	852	SS, CL A, TY 2	12	35	2.00%	7.5
DU-67	803	803	802	SS, CL A, TY 2	24	145	1.40%	46.3
	804	804	803	SS, CL A, TY 2	24	77.6	0.99%	68.7
	805	805	804	SS, CL A, TY 2	24	210.1	1.00%	188.8
	806	806	805	SS, CL A, TY 2	18	130	0.50%	103.1
	808	808	802	SS, CL A, TY 2	12	10.5	1.00%	1.0
	809	809	808	SS, CL A, TY 2	12	4.5	1.00%	9.7
	810	810	803	SS, CL A, TY 2	12	4.2	1.00%	1.1
	811	811	810	SS, CL A, TY 2	12	56.9	1.00%	12.2
	820	820	805	SS, CL A, TY 2	12	9	1.00%	3.8
	821	821	820	SS, CL A, TY 2	12	61.1	1.00%	14.4
	822	822	821	SS, WMR	12	7.1	1.00%	1.4
	823	823	820	SS, CL A, TY 2	12	7	1.00%	1.8
DU-68	807	807	806	SS, CL A, TY 2	12	16.3	2.00%	4.6
	807A	EX. PIPE	807	SS, CL A, TY 2	12	16	0.50%	2.8
	807B	807A	807B	SS, CL A, TY 2	12	39.7	0.99%	2.8
	807C	807B	807C	SS, CL A, TY 2	12	24.2	1.00%	3.3
DU-69	970	970	954	SS, WMR	15	46.1	1.00%	42.3
	970A	EX. PIPE	970	SS, CL A, TY 2	12	56	0.16%	39.0
	971	971	970	SS, CL A, TY 2	12	32	1.00%	6.9
DU-70	965	965	964	SS, CL A, TY 2	15	56	1.00%	14.5
	965A	965A	965	SS, WMR	15	9	1.00%	3.1
	964A	964A	964B	SS, CL A, TY 1	12	19.8	0.50%	2.1
	965B	965B	965C	SS, CL A, TY 1	12	16.5	1.00%	1.7
	999	999	998	SS, CL A, TY 2	12	44.4	0.50%	29.5
	999A	999A	999	SS, CL A, TY 2	12	68.7	0.50%	13.3

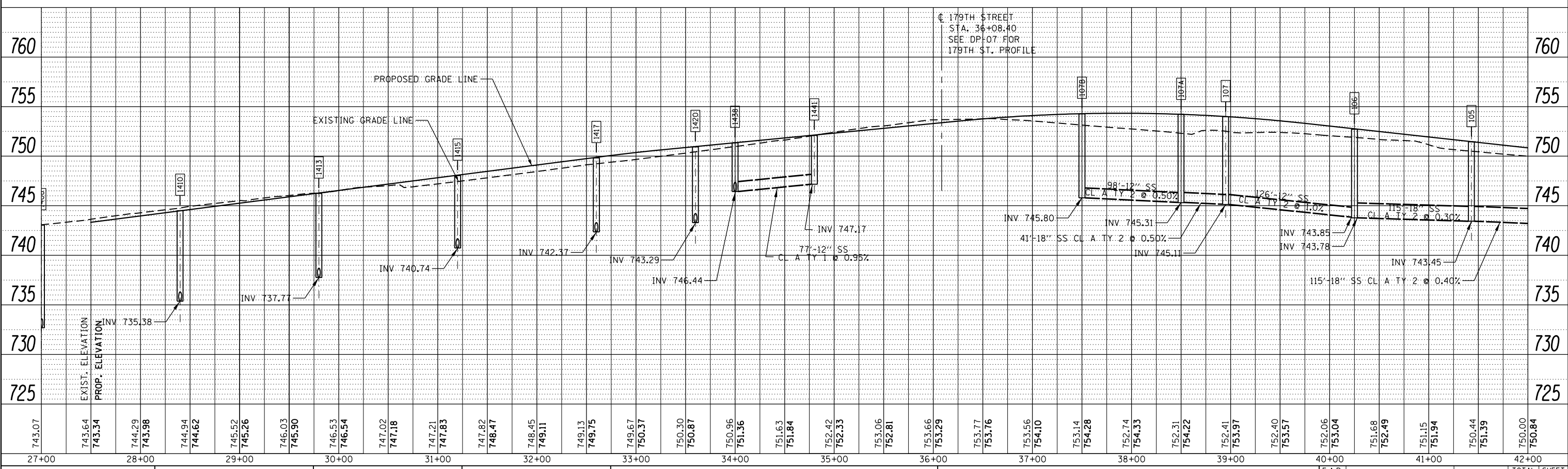
* INDICATES STRUCTURE SHALL BE INITIALLY INSTALLED USING A TYPE A, TYPE I FRAME AND CLOSED LID. ULTIMATELY DURING STAGED CONSTRUCTION THE FINAL FRAME AND GRATE WILL BE INSTALLED AND PAID FOR SEPARATELY (REFER TO SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION SHEETS FOR DETAILS)

FILE NAME = D160F05-SHT-Drain Schedules.dgn	USER NAME = Anthony.Plutz	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE SCHEDULE	F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 337	
SHT.PLAN	PLOT SCALE = 48.000000' / in.	CHECKED -	REVISED -			DS-11		CONTRACT NO. 60F05		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/12/2013	DATE = 03/13/13	REVISED -			SCALE:	SHEET 11 OF 11 SHEETS	STA.	TO STA.		

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
CARD FILE NAME	ALIGNMENT CHECKED	
	STRUCTURE NOTED	



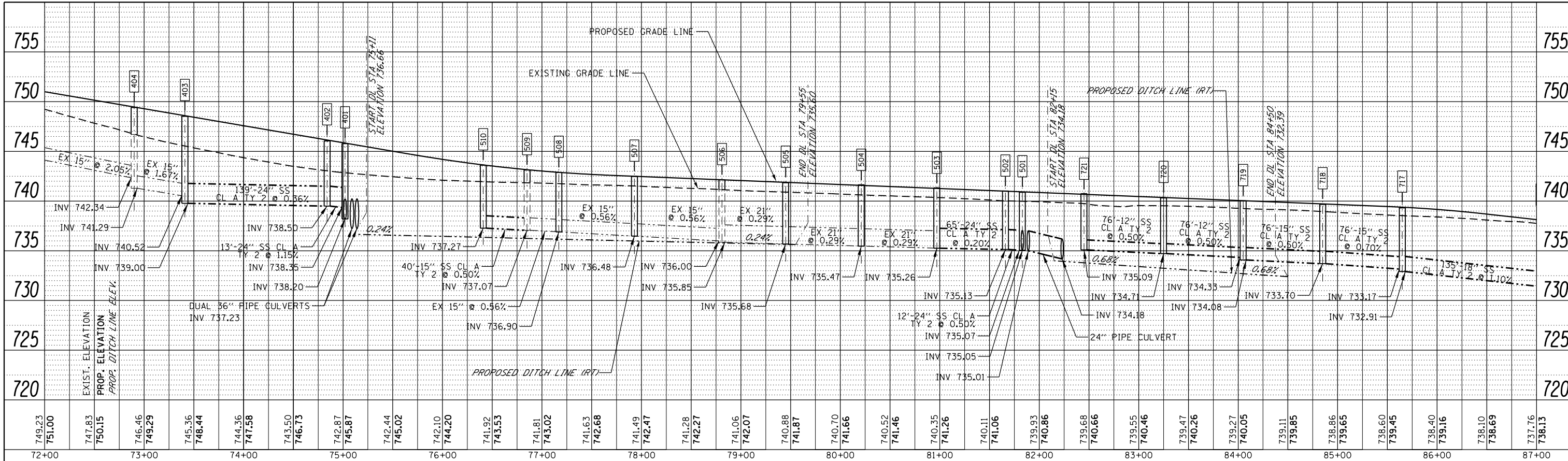
PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
CARD FILE NAME	STRUCTURE NOTED	



URS
100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL 312/999-9000
FAX 312/939-4998

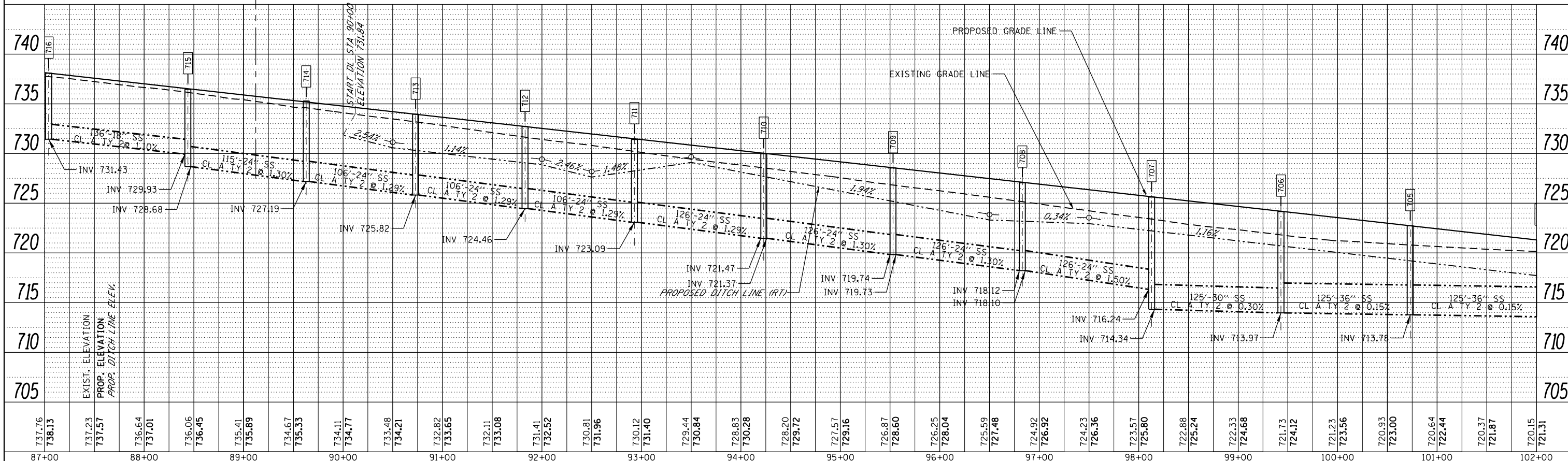
FILE NAME = D160F05-KEA-SHT-DRAINPROF01.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE PROFILE - US 45 (LAGRANGE ROAD) SCALE: 1"=50'H; 1"=5'V SHEET NO. 1 OF 10 SHEETS STA. BEGIN TO STA. 42+00.00	F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 338
PLOT SCALE = 100.00' / in.	CHECKED - JRS	REVISED -			DU-71		CONTRACT NO. 60F05		
PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -			ILLINOIS FED. AID PROJECT				
SHT_DOUBLE PROFILE									

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	BY	



171ST STREET
 STA. 89+12.22
 SEE DP-8 FOR
 171ST ST. PROFILE

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	BY	



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 100 S. WACKER DR.
 SUITE 500
 CHICAGO, IL 60606
 TEL 312/999-9000
 FAX 312/939-4998

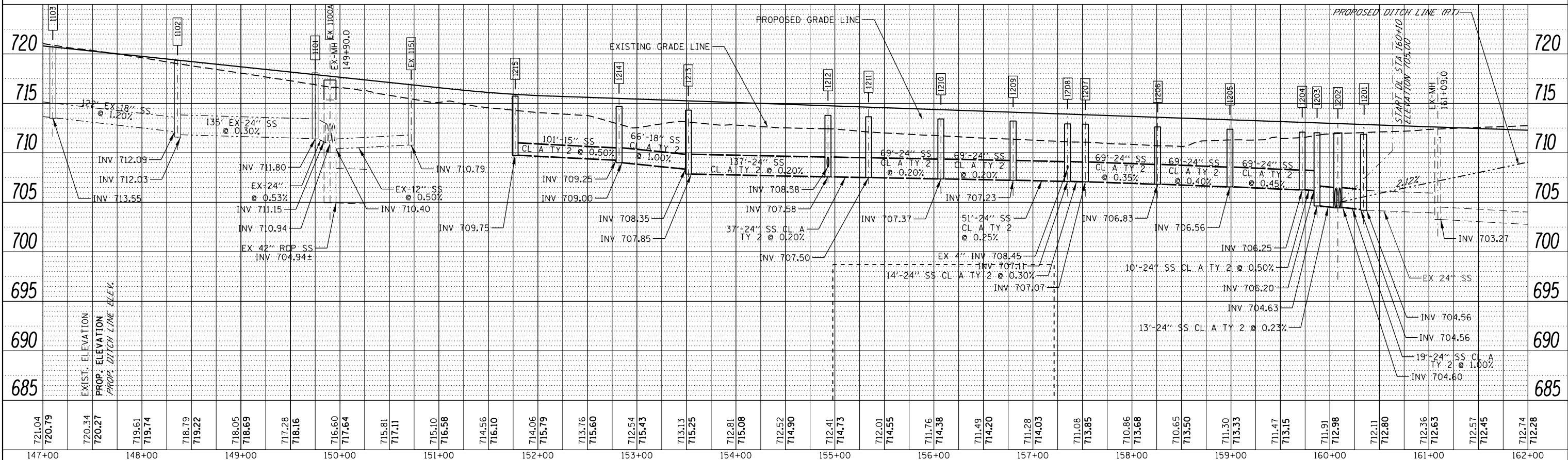
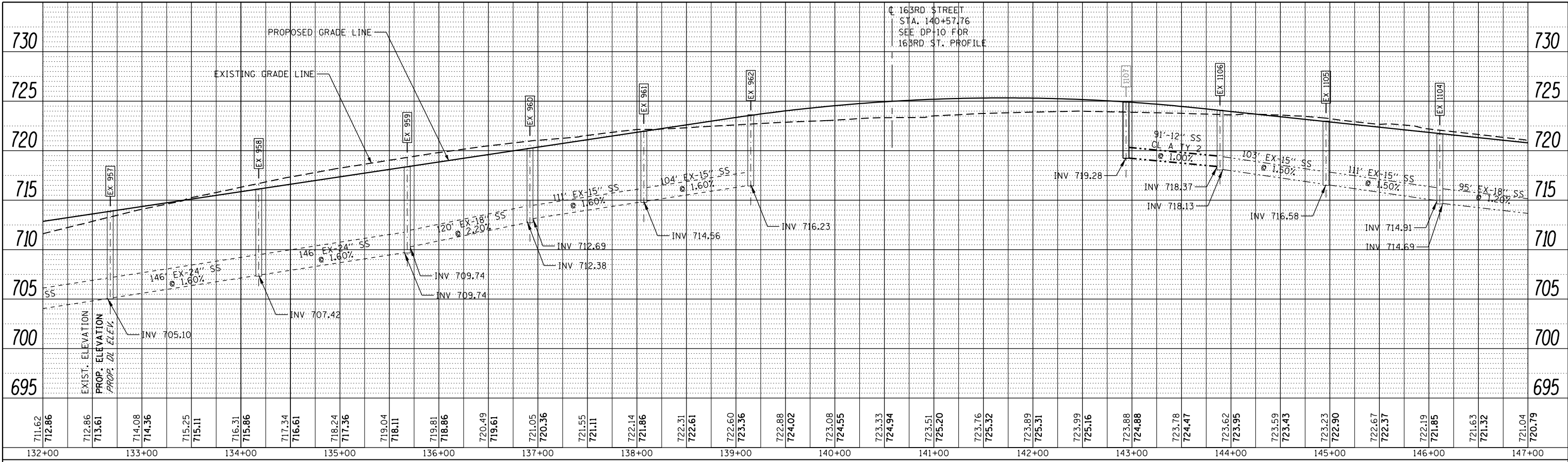
FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE PROFILE - US 45 (LAGRANGE ROAD) SCALE: 1"=50' H; 1"=5' V SHEET NO. 3 OF 10 SHEETS STA. 72+00.00 TO STA. 102+00.00	SECTION 103R-3 DU-73 COUNTY COOK CONTRACT NO. 60F05 ILLINOIS FED. AID PROJECT
D160F05-KEA-SHT-DRAINPROF03.dgn		DRAWN - DMS	REVISED -		
PLOT SCALE = 100.000091' / in.		CHECKED - JRS	REVISED -		
PLOT DATE = 3/13/2013		DATE - 03/13/13	REVISED -		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

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SUITE 500
CHICAGO, IL 60606
TEL 312/939-4900
FAX 312/939-4998

URS

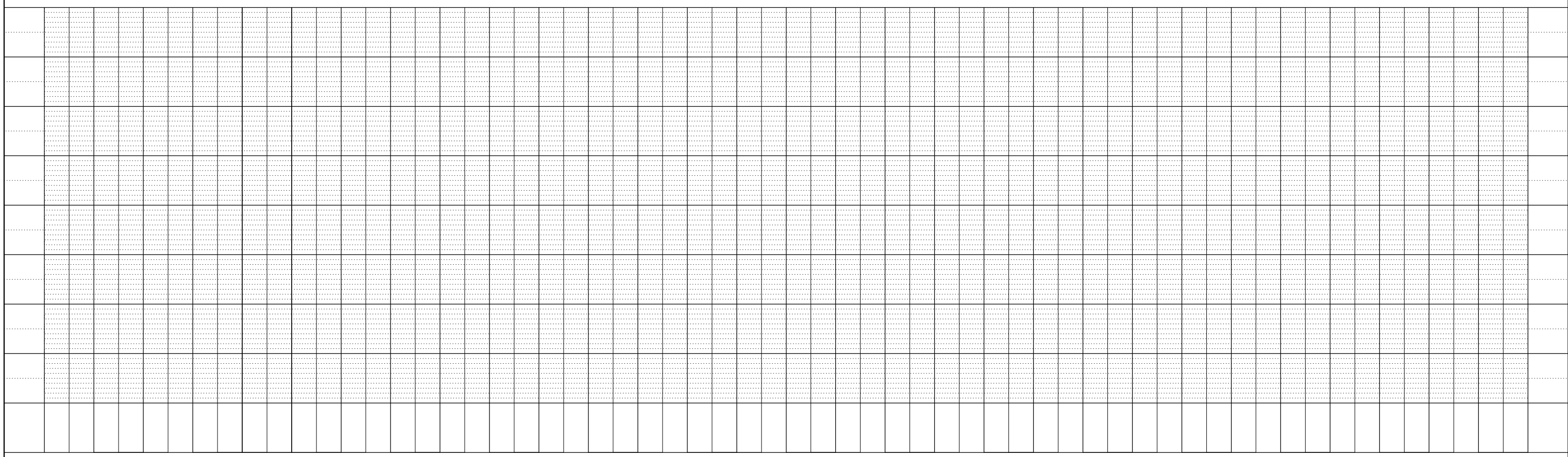


FILE NAME =	USER NAME = james.push	DESIGNED - MGS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE - US 45 (LAGRANGE ROAD) SCALE: 1"=50'H; 1"=5'V SHEET NO. 5 OF 10 SHEETS STA. 132+00.00 TO STA. 162+00.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D160F05-KEA-SHT-DRAINPROF05.dgn		DRAWN - DMS	REVISED -			330	103R-3	COOK	932	342
PLOT SCALE = 100.000000' / 1"		CHECKED - JRS	REVISED -			DU-75		CONTRACT NO. 60F05		
SHT_DOUBLE PROFILE	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTES		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTES		
	CHECKED		
	FILE NAME		

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 SUITE 3000
 CHICAGO, IL 60606
 TEL 312.420.1000
 FAX 312.420.1000



FILE NAME = D160F05-KEA-SHT-DRAINPROF06.dgn
 SHT_DOUBLE PROFILE

USER NAME = Anthony.Plutz
 PLOT SCALE = 100.000091' / in.
 PLOT DATE = 3/13/2013

DESIGNED - MGS
 DRAWN - DMS
 CHECKED - JRS
 DATE - 03/13/13

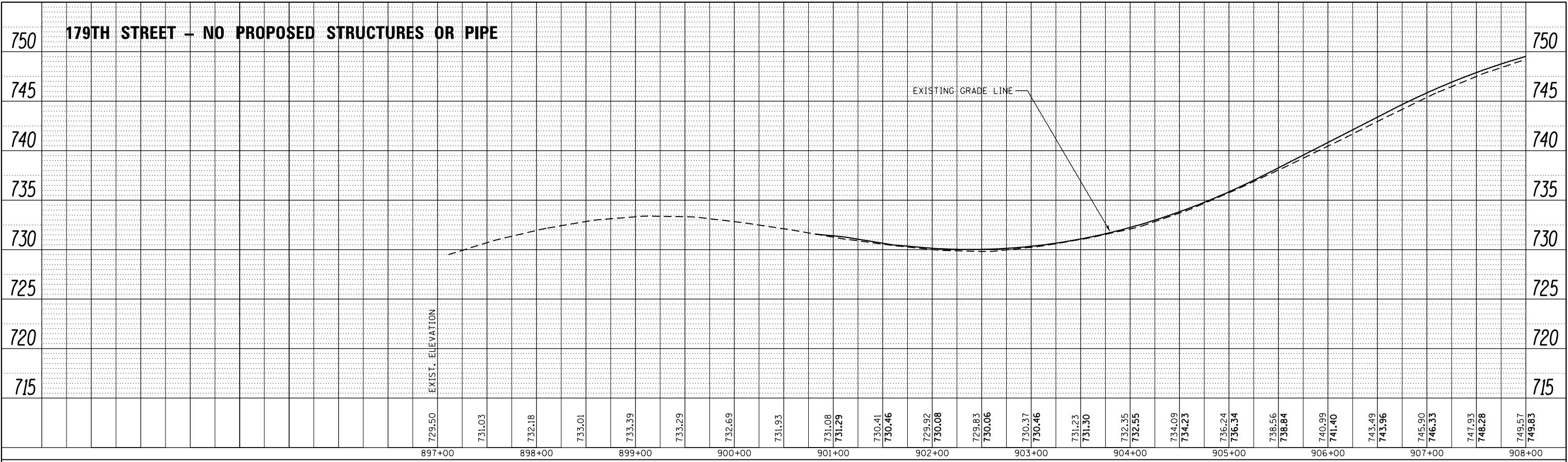
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE PROFILE - US 45 (LAGRANGE ROAD)
 SCALE: 1"=50'H; 1"=5'V SHEET NO. 6 OF 10 SHEETS STA. 162+00.00 TO STA. END

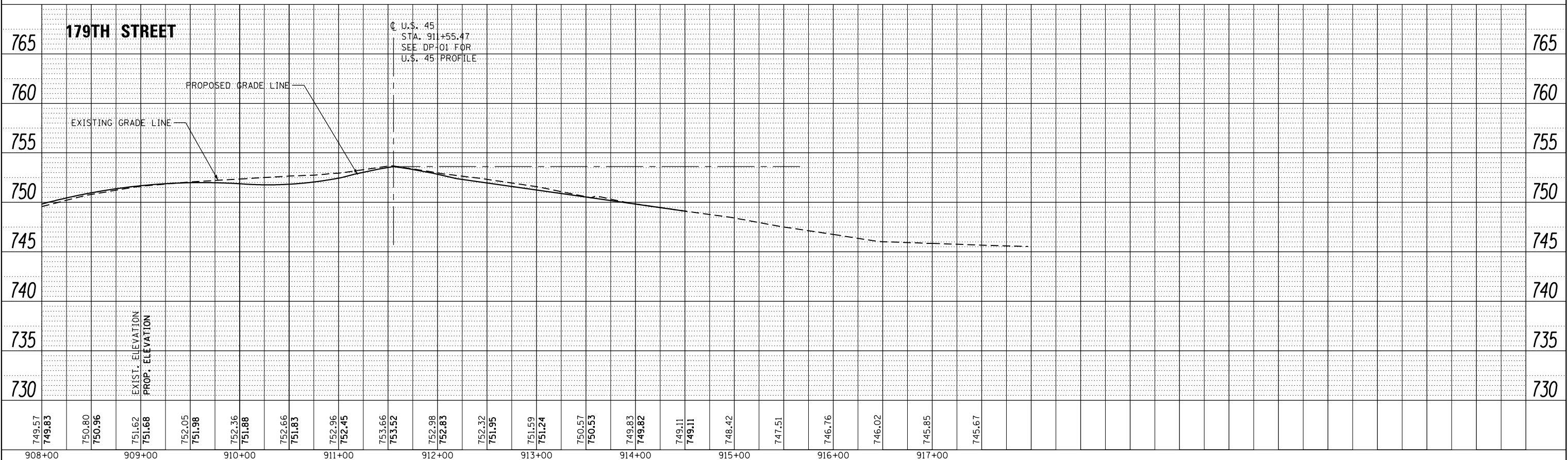
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	343
DU-76		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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



179TH - STREET NO PROPOSED STRUCTURES OR PIPE - SEE DP-01 FOR U.S. 45 DRAINAGE PROFILE

PROF ILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		
	FILE NAME		



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SUITE 600
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

FILE NAME = D:\160\F05-KEA-SHT-DRAINPROF07.dgn
SHT.DOUBLE PROFILE

USER NAME = Anthony.Plutz
PLOT SCALE = 100.000091' / in.
PLOT DATE = 3/13/2013

DESIGNED - MGS
DRAWN - DMS
CHECKED - JRS
DATE - 03/13/13

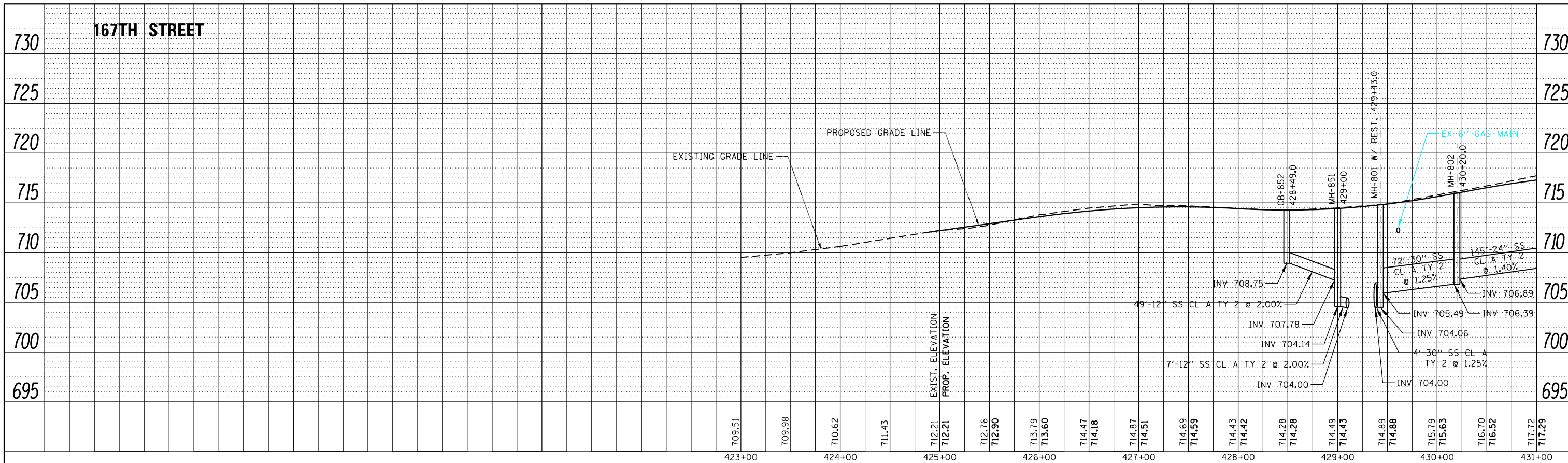
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PROFILE - 179TH STREET
SCALE: 1" = 50'H; 1" = 5'V SHEET NO. 7 OF 10 SHEETS STA. TO STA.

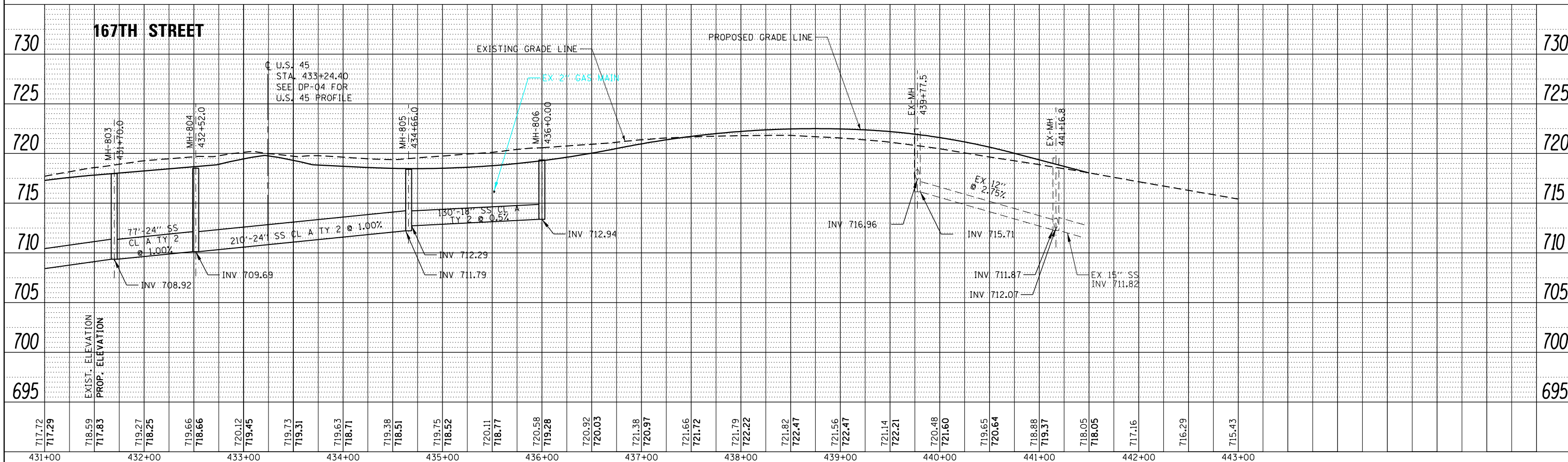
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	344
DU-77			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CHECKED	
	BY	
	DATE	



167TH STREET - SEE DP-04 FOR U.S. 45 DRAINAGE PROFILE

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CHECKED	
	BY	
	DATE	



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 FAX (312) 939-4198



FILE NAME = D:\60F05-KEA-SHT-DRAINPROF09.dgn
 SHT_DOUBLE PROFILE

USER NAME = Anthony.Plutz
 DESIGNED - MGS
 DRAWN - DMS
 CHECKED - JRS
 PLOT DATE = 3/13/2013

REVISED -
 REVISED -
 REVISED -
 REVISED -

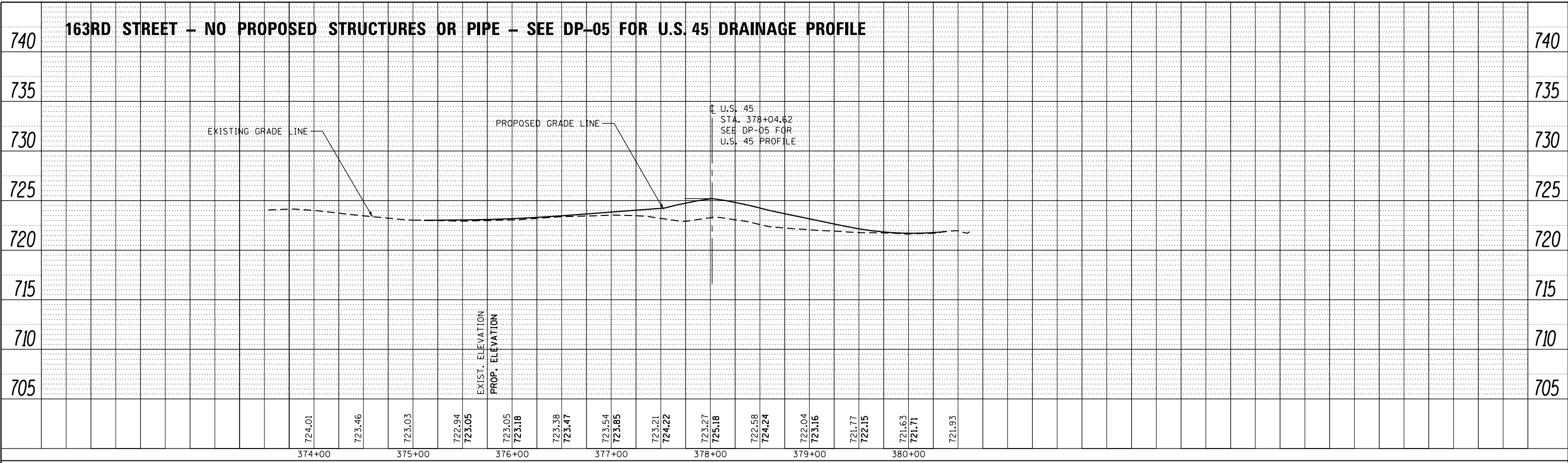
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE - 167TH STREET

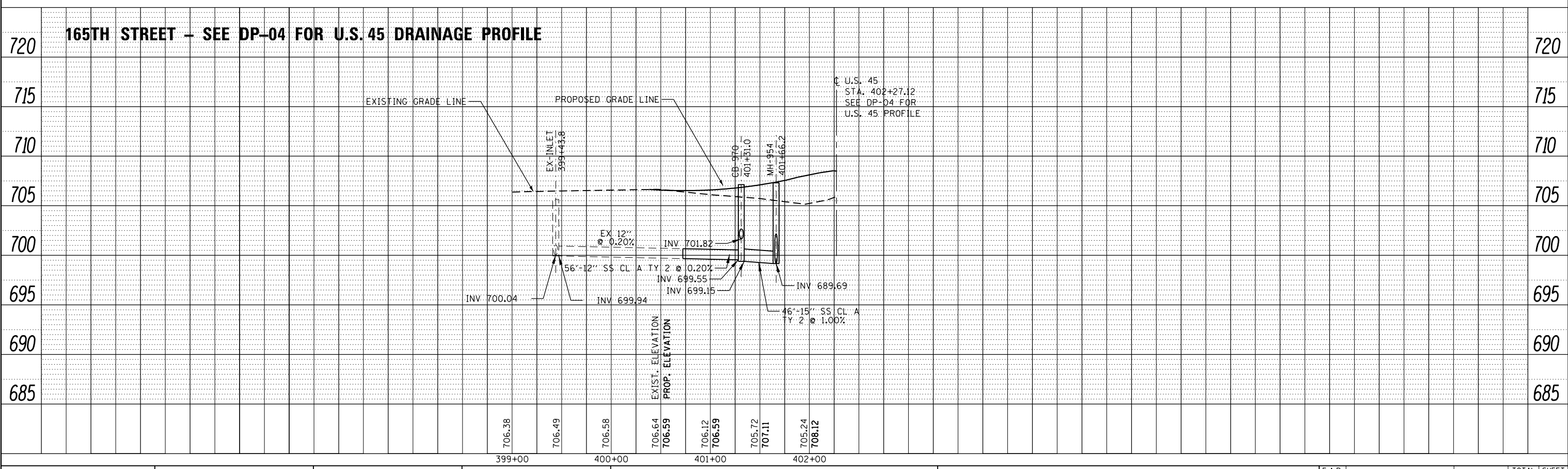
SCALE: 1"=50'H; 1"=5'V SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	346
DU-79			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	CARD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	NOTATION CHECKED	



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FILE NAME = D160F05-KEA-SHT-DRAINPROF10.dgn
 SHT_DOUBLE PROFILE

USER NAME = Anthony.Plutz
 PLOT SCALE = 100.000091' / in.
 PLOT DATE = 3/13/2013

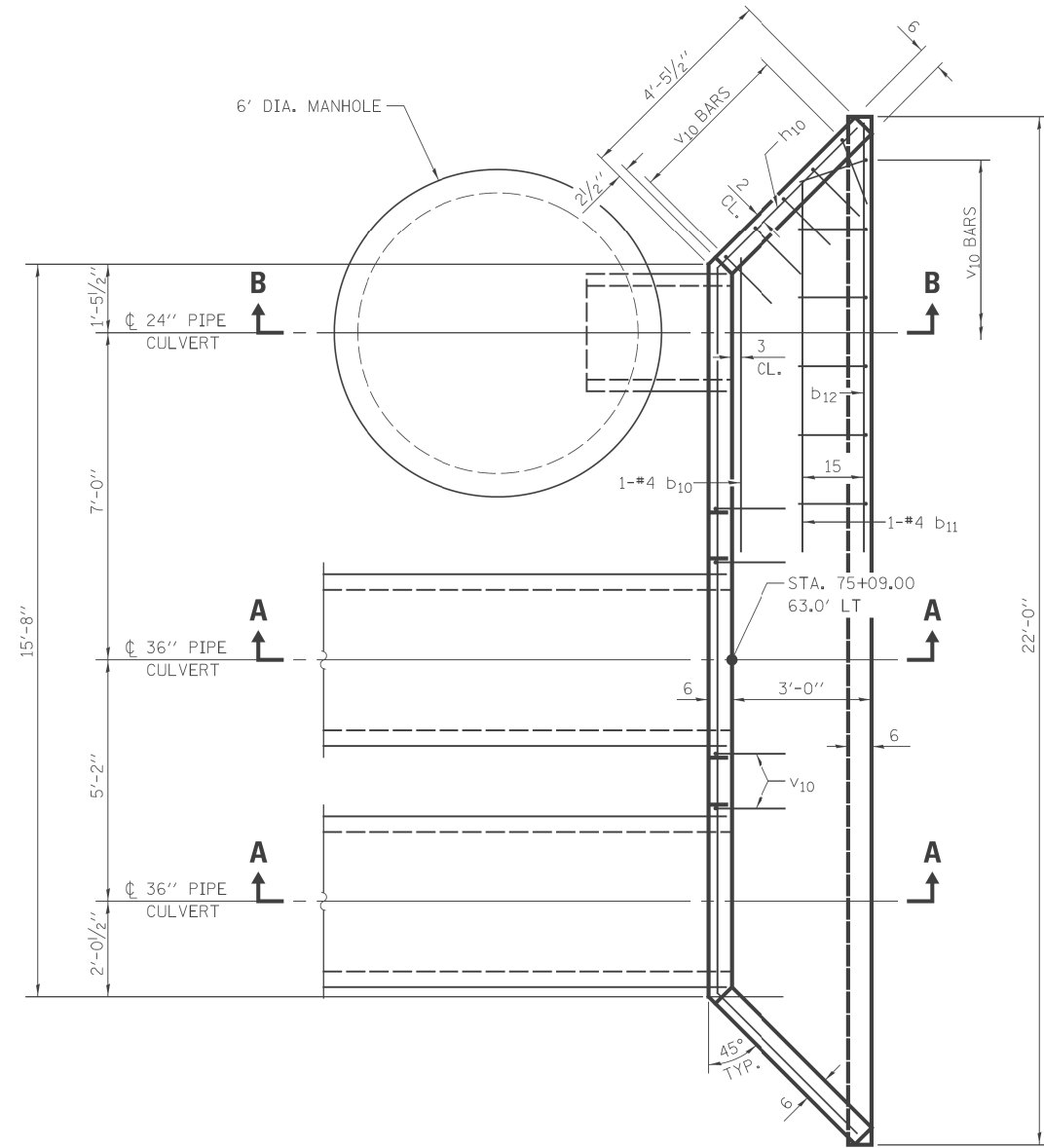
DESIGNED - MGS
 DRAWN - DMS
 CHECKED - JRS
 DATE - 03/13/13

REVISED -
 REVISED -
 REVISED -
 REVISED -

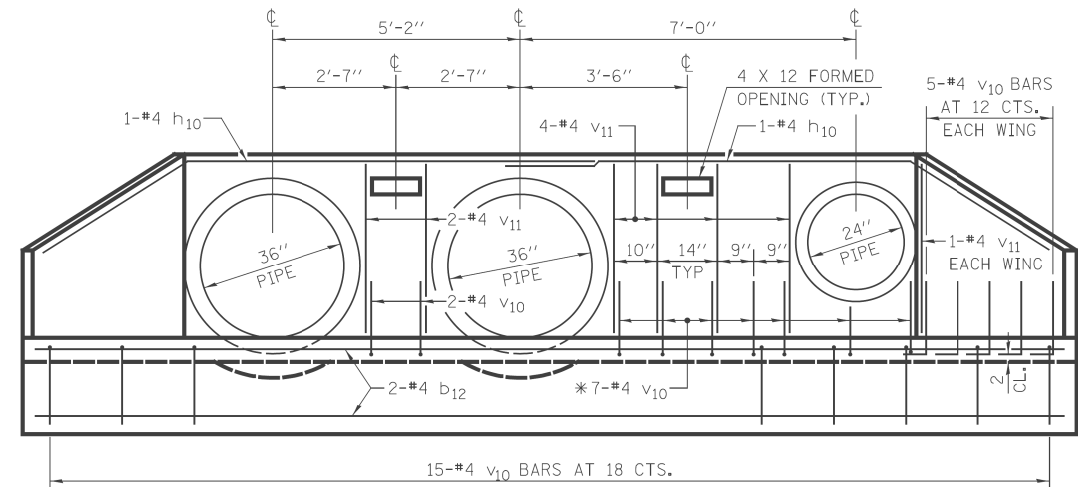
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE PROFILE – 165TH STREET AND 163RD STREET
 SCALE: 1"=50'H; 1"=5'V SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	347
DU-80			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

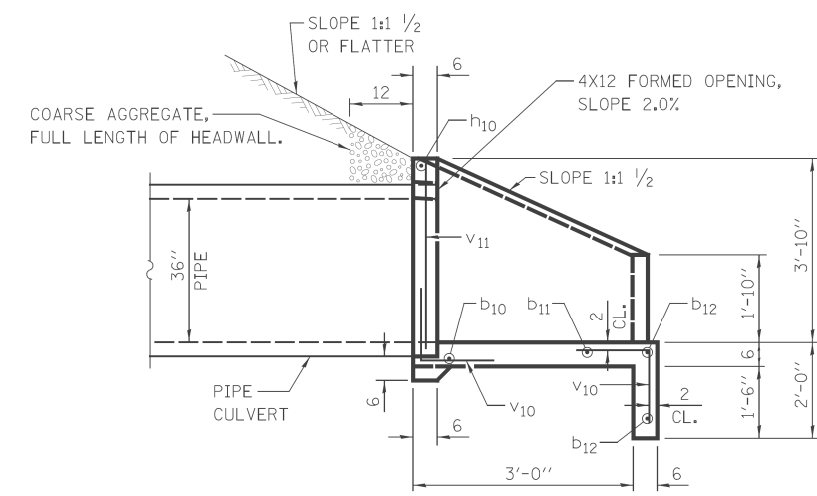


PLAN

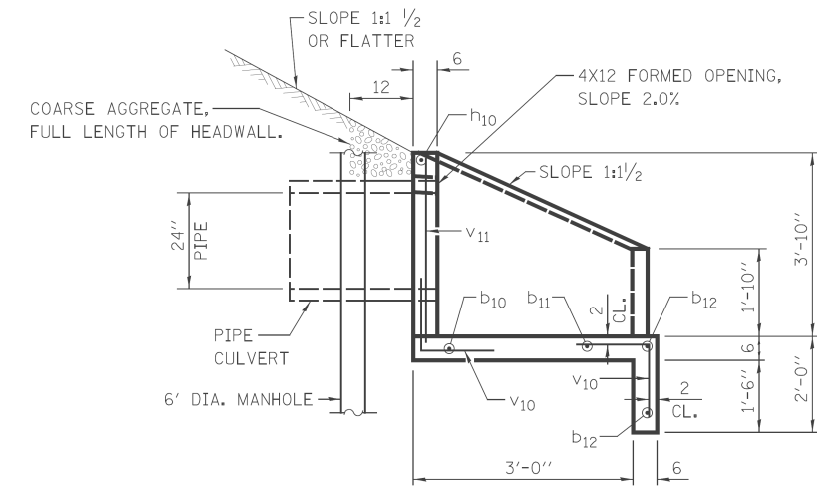


END ELEVATION

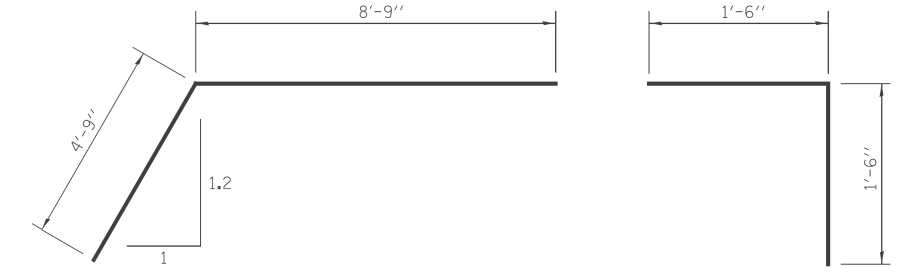
*CUT BARS AS REQUIRED TO CLEAR OPENING



SECTION A-A



SECTION B-B



BAR h₁₀
BEND IN FIELD

BAR v₁₀

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
b ₁₀	1	#4	16'-3"	—
b ₁₁	1	#4	18'-9"	—
b ₁₂	2	#4	21'-3"	—
h ₁₀	2	#4	13'-6"	┌
v ₁₀	34	#4	3'-0"	└
v ₁₁	8	#4	3'-6"	—
REINFORCEMENT BARS			POUND	160
CONCRETE STRUCTURES			CU YD	3.2

GENERAL NOTES

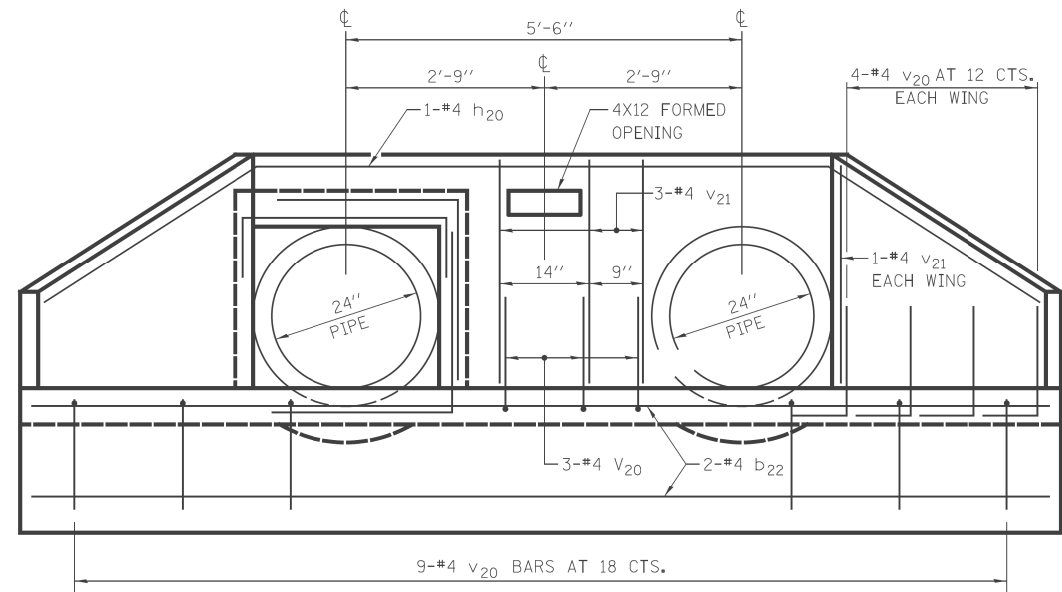
SEE SHEET DU-44 FOR PIPE AND END SECTION INVERT ELEVATIONS.

BUILD TOPS OF HEADWALLS PARALLEL TO GRADE LINE.

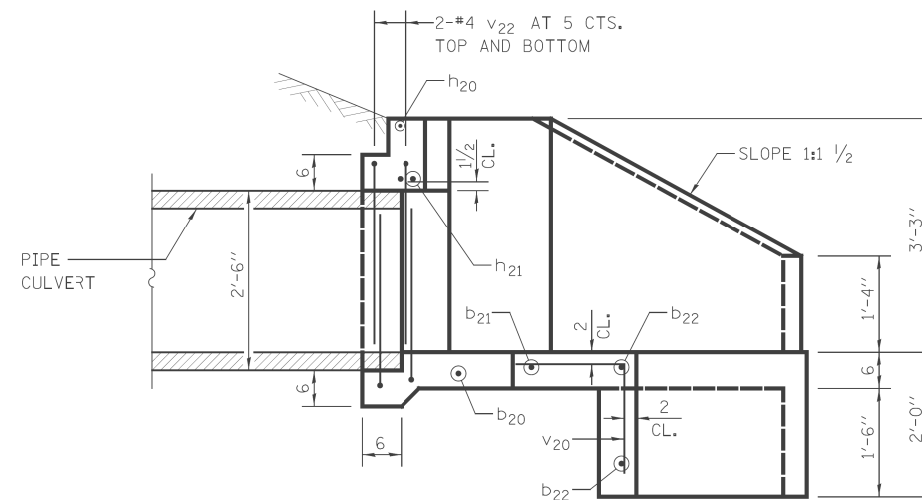
ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

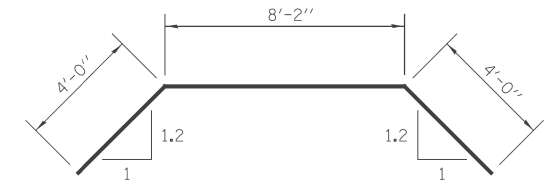
DESIGNED - TB DRAWN - TB CHECKED - JRS DATE - 03/13/13	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REINFORCED CONCRETE END SECTION STA. 75+09		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			SCALE: NTS	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.	330	103R-3	COOK
					DD-01		CONTRACT NO. 60F05		
					ILLINOIS FED. AID PROJECT				



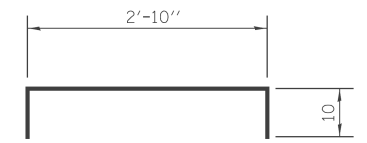
END VIEW



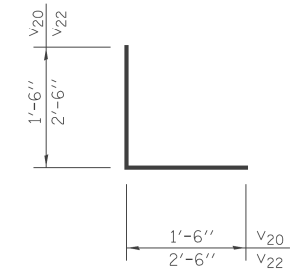
SECTION A-A



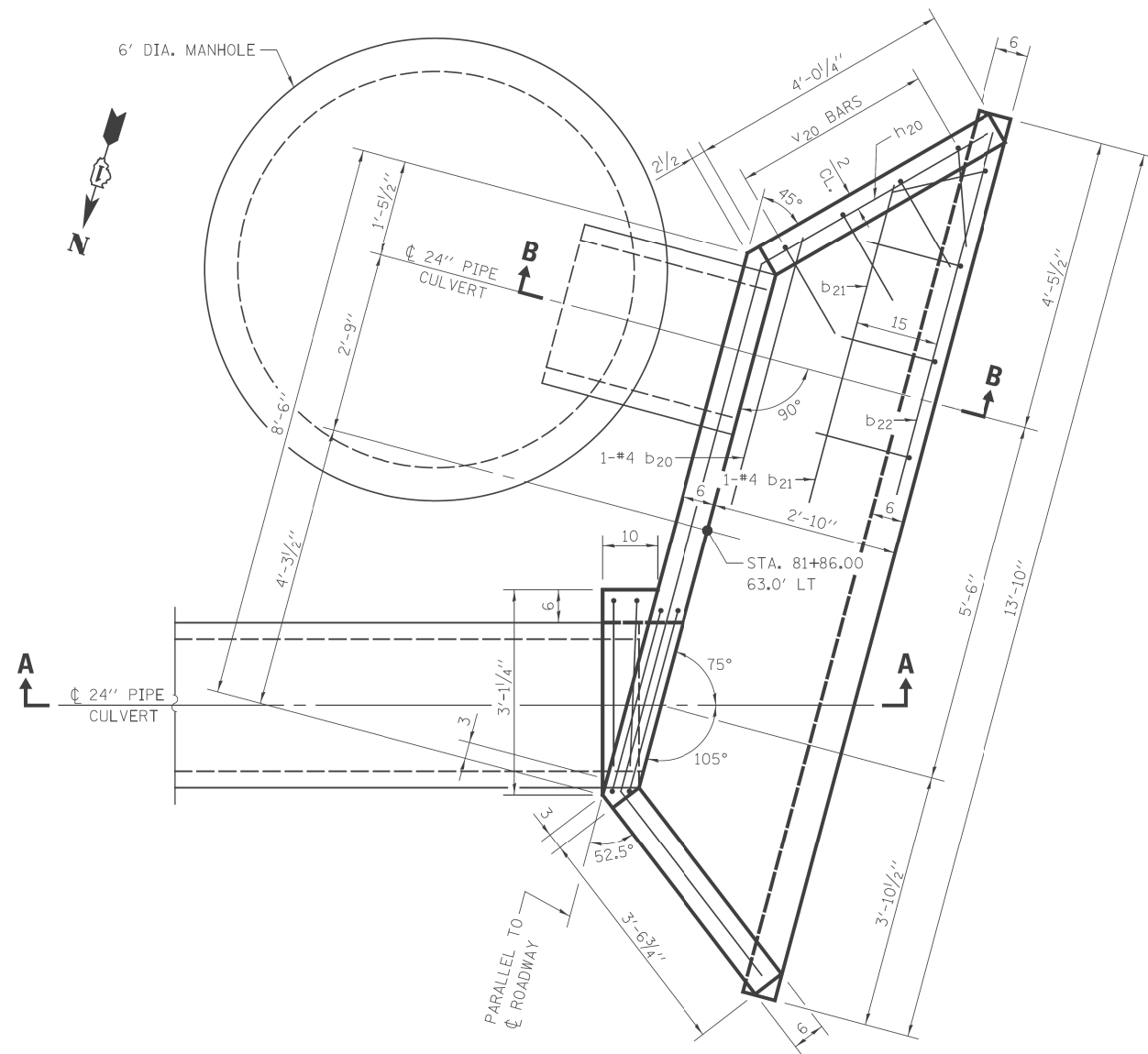
BAR h20
BEND IN FIELD



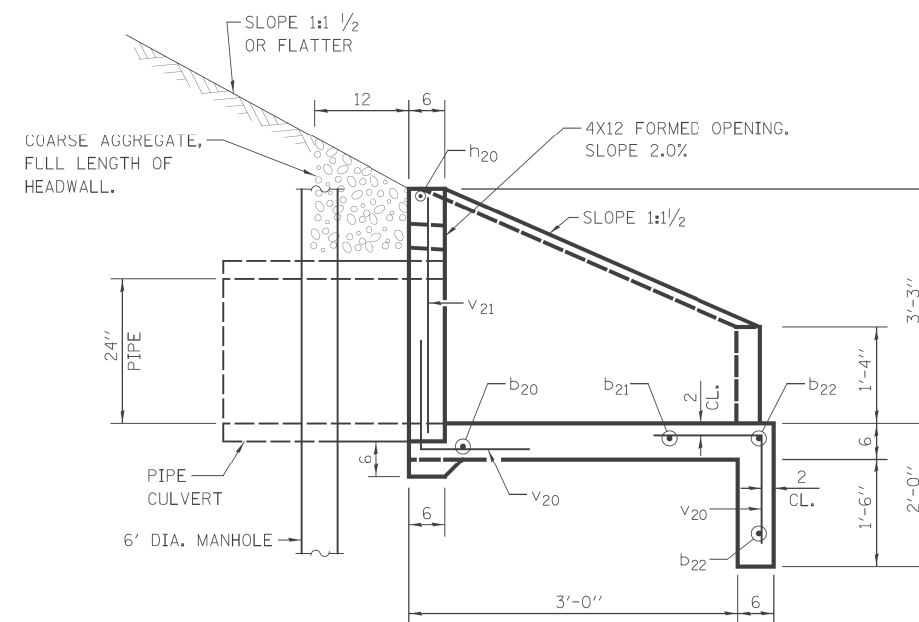
BAR h21
BEND IN FIELD



BARS v20 & v22



PLAN



SECTION B-B

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
b ₂₀	1	#4	9'-3"	—
b ₂₁	1	#4	10'-9"	—
b ₂₂	2	#4	13'-3"	—
h ₂₀	1	#4	16'-2"	⌒
h ₂₁	2	#5	4'-6"	⌒
v ₂₀	20	#4	3'-0"	└
v ₂₁	5	#4	2'-11"	—
v ₂₂	4	#4	5'-0"	└
REINFORCEMENT BARS			POUND	120
CONCRETE STRUCTURES			CU YD	2.1

GENERAL NOTES

SEE SHEET DU-46 FOR PIPE AND END SECTION INVERT ELEVATIONS.

BUILD TOPS OF HEADWALLS PARALLEL TO GRADE LINE.

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

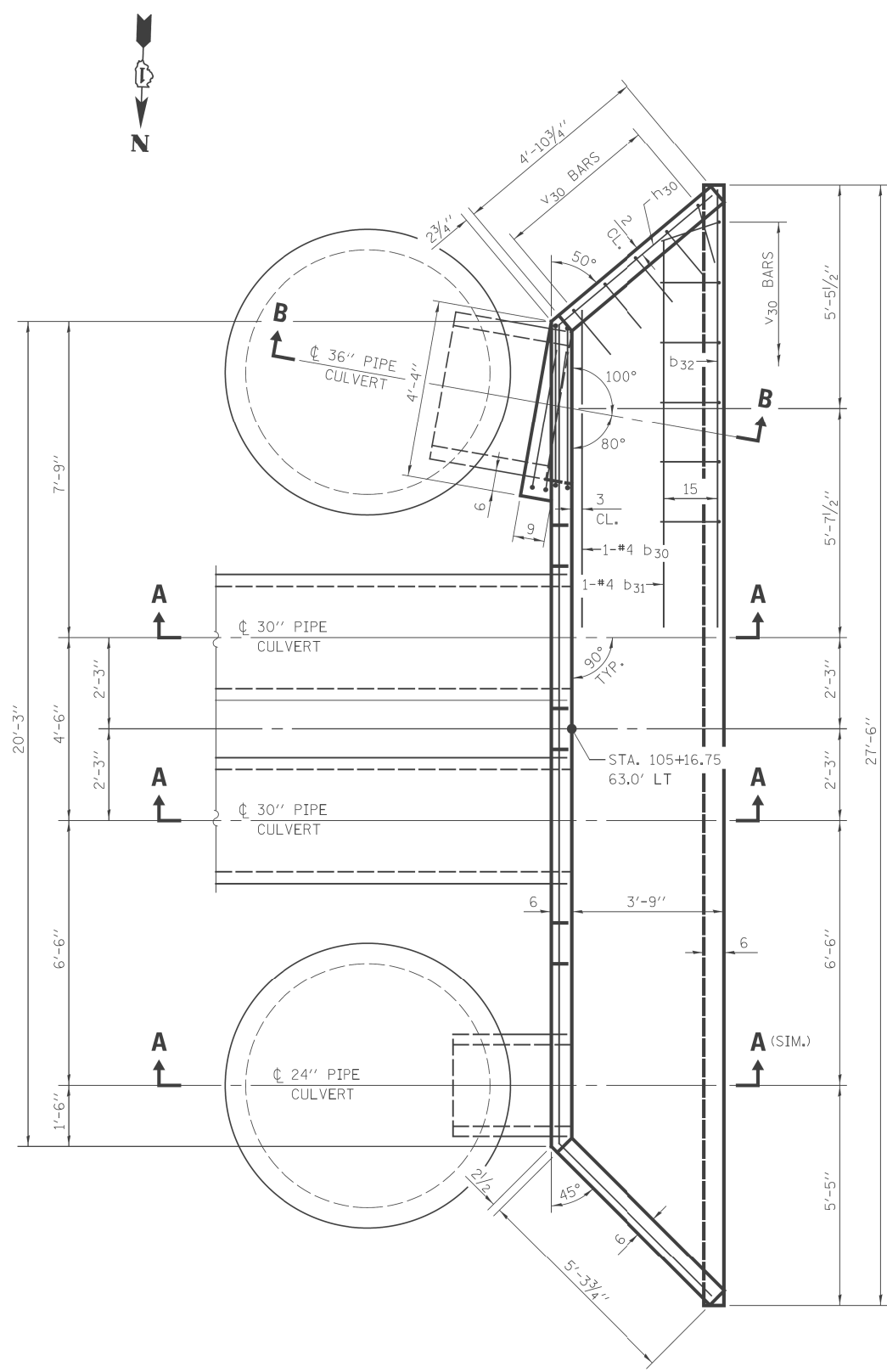
DESIGNED - TB	REVISED -
DRAWN - TB	REVISED -
CHECKED - JRS	REVISED -
DATE - 03/13/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

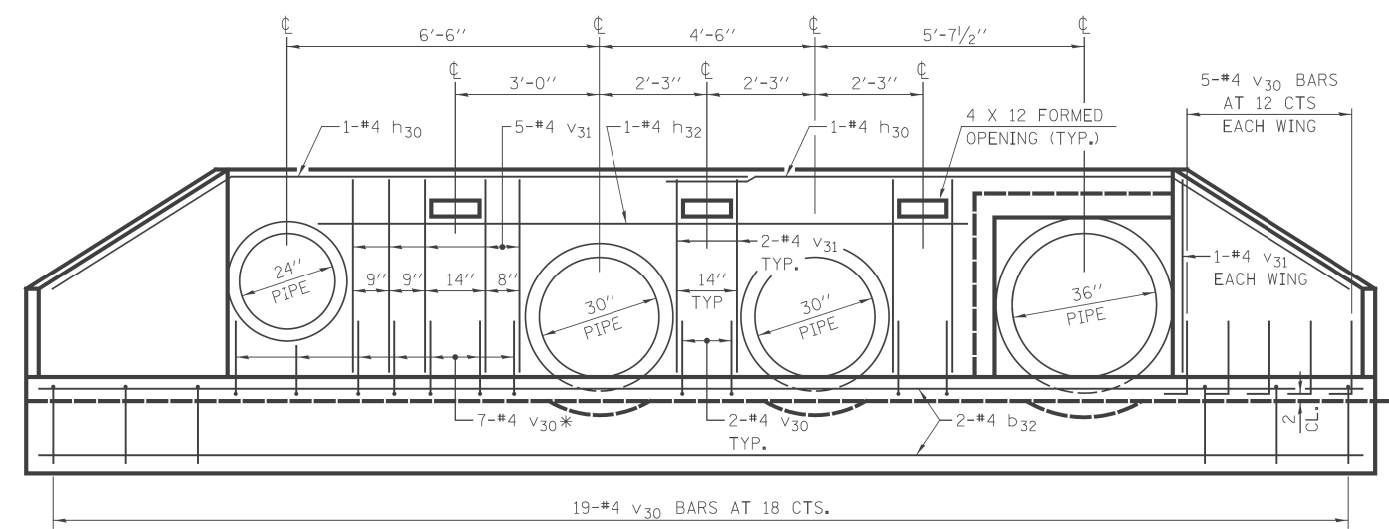
REINFORCED CONCRETE END SECTION
STA. 81 + 86

SCALE: NTS SHEET NO. 2 OF 5 SHEETS STA. TO STA.

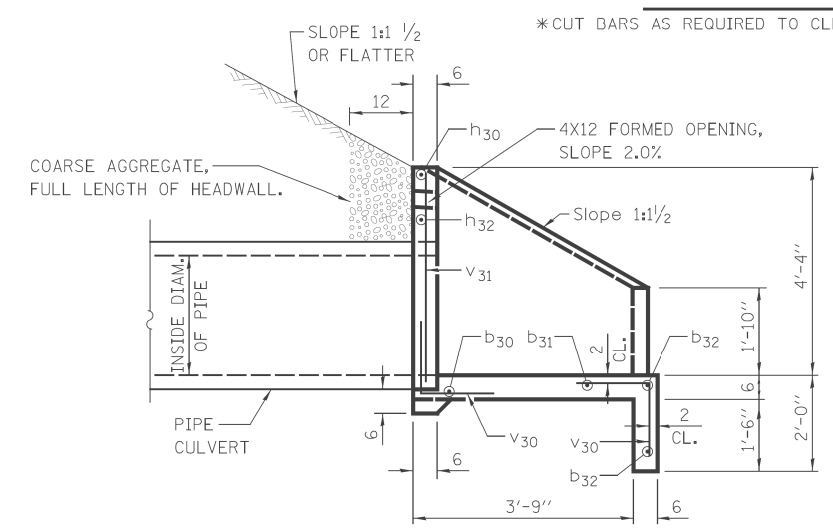
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	349
DD-02		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



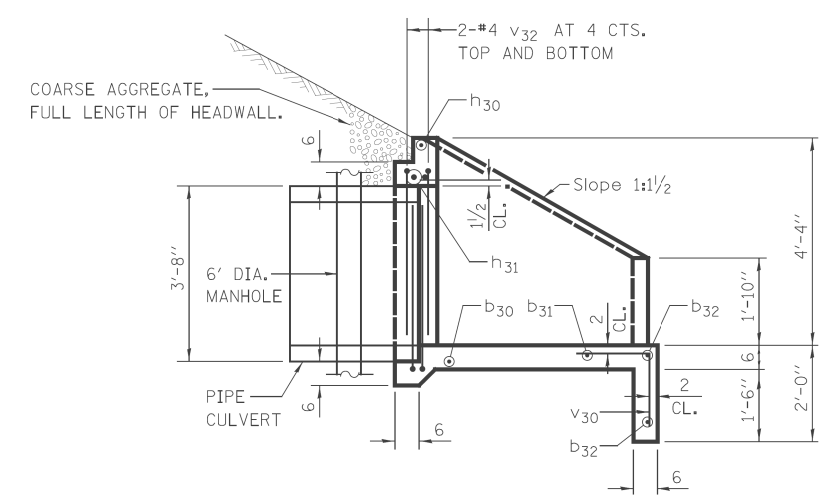
PLAN



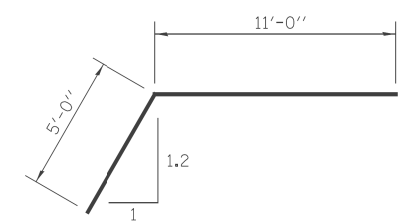
END ELEVATION



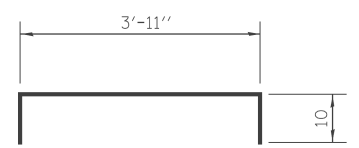
SECTION A-A



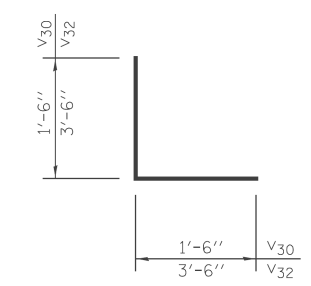
SECTION B-B



BAR h30
BEND IN FIELD



BAR h31
BEND IN FIELD



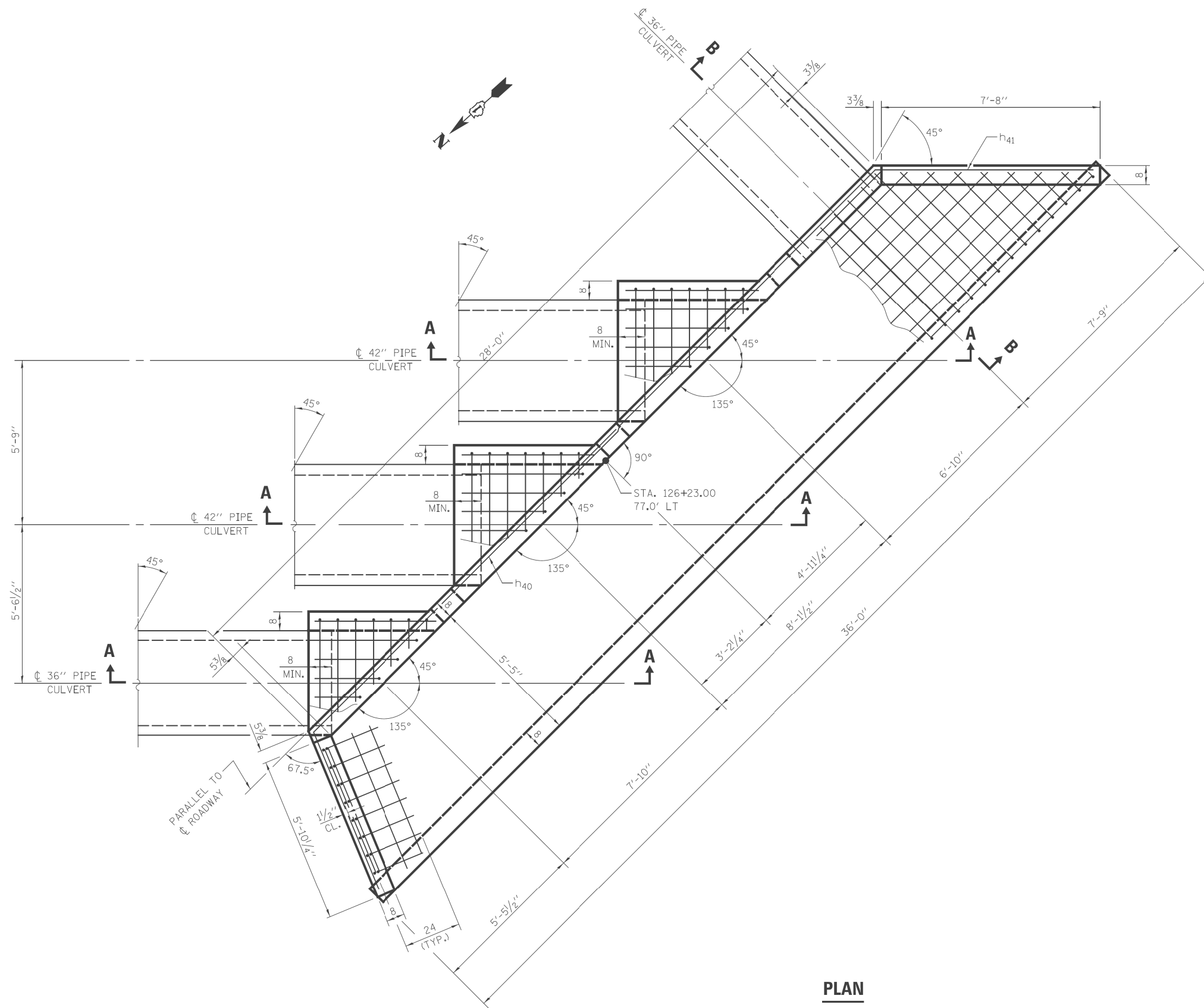
BARS v30 & v32

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
b ₃₀	1	#4	21'-3"	—
b ₃₁	1	#4	24'-6"	—
b ₃₂	2	#4	27'-0"	—
h ₃₀	2	#4	16'-0"	└
h ₃₁	2	#5	5'-7"	└
h ₃₂	1	#4	11'-0"	—
v ₃₀	40	#4	3'-0"	└
v ₃₁	11	#4	4'-0"	—
v ₃₂	4	#4	7'-0"	└
REINFORCEMENT BARS			POUND	240
CONCRETE STRUCTURES			CU YD	4.9

GENERAL NOTES

- SEE SHEET DU-49 FOR PIPE AND END SECTION INVERT ELEVATIONS.
- BUILD TOPS OF HEADWALLS PARALLEL TO GRADE LINE.
- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



PLAN

GENERAL NOTES

SEE SHEET DU-53 FOR PIPE AND END SECTION INVERT ELEVATIONS.

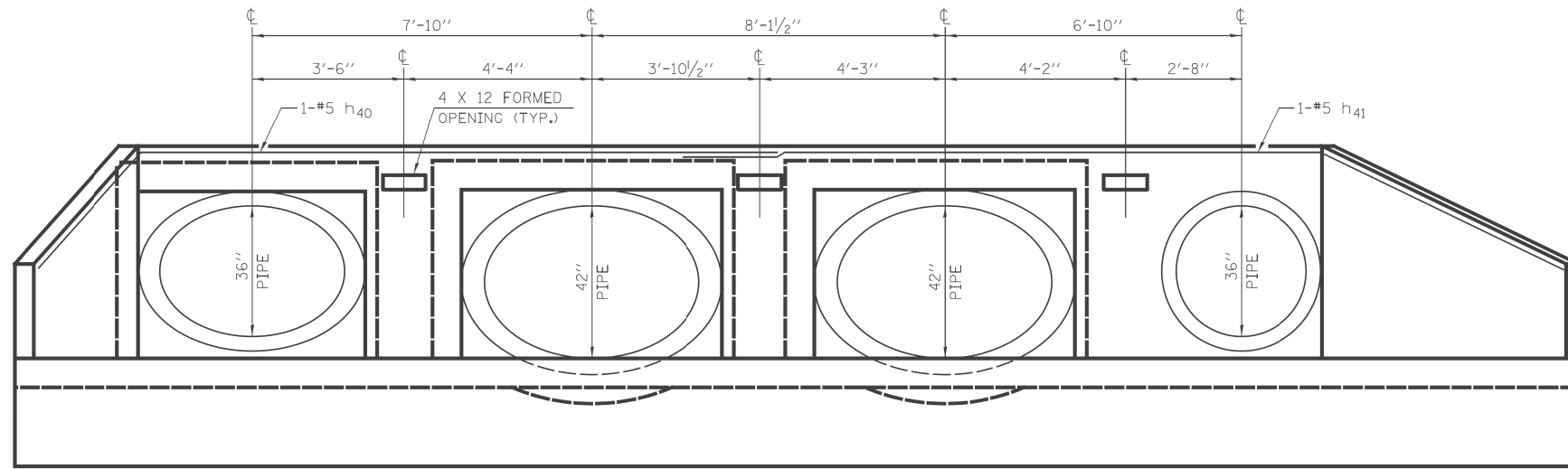
BUILD TOPS OF HEADWALLS PARALLEL TO GRADE LINE.

WHEN LAPPING SHEETS OF WELDED WIRE FABRIC, THE OVERLAP MEASURED BETWEEN THE OUTERMOST CROSS WIRES OF EACH FABRIC SHEET SHALL NOT BE LESS THAN 8 INCHES.

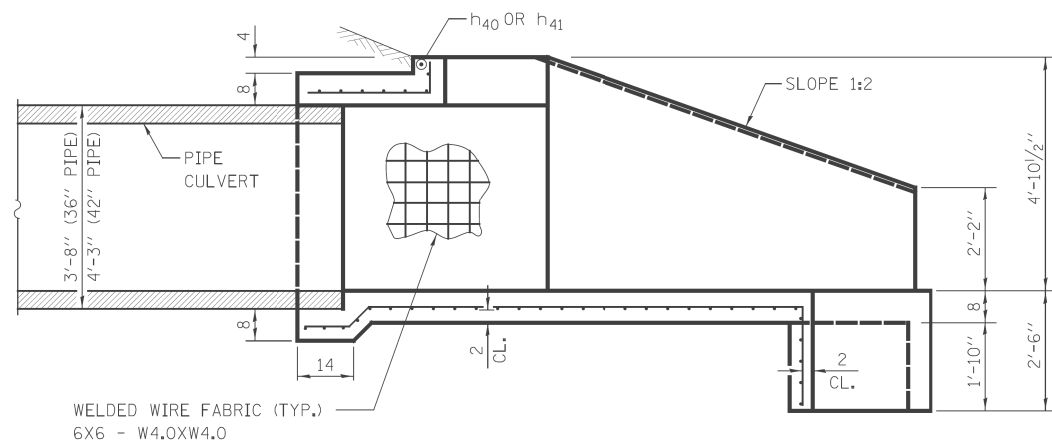
ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

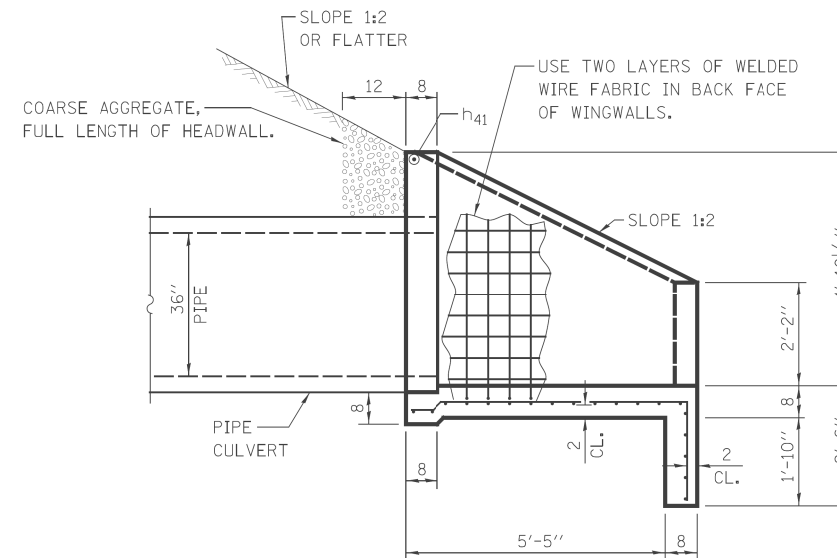
		DESIGNED - TB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REINFORCED CONCRETE END SECTION STA. 126 + 23		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TB	REVISED -		330	103R-3	COOK	932	351		
		CHECKED - JRS	REVISED -		DD-04		CONTRACT NO. 60F05				
		DATE - 03/13/13	REVISED -		SCALE: NTS	SHEET NO. 4 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



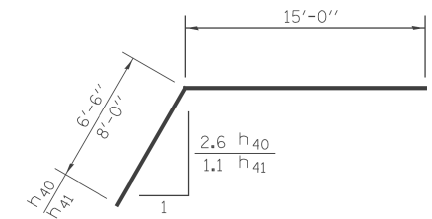
END VIEW



SECTION A-A



SECTION B-B



BARS h₄₀ & h₄₁
BEND IN FIELD

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h ₄₀	1	#5	21'-6"	
h ₄₁	1	#5	23'-0"	
REINFORCEMENT BARS			POUND	50
WELDED WIRE FABRIC 6X6			SQ YD	82
CONCRETE STRUCTURES			CU YD	14.2

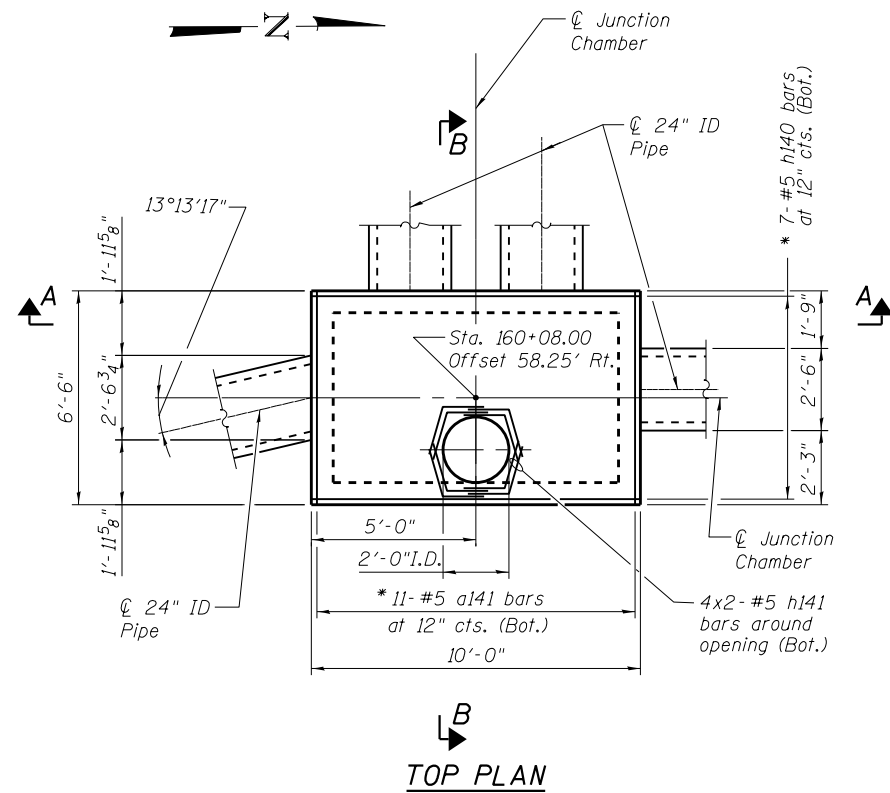
DESIGNED - TB	REVISED -
DRAWN - TB	REVISED -
CHECKED - JRS	REVISED -
DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

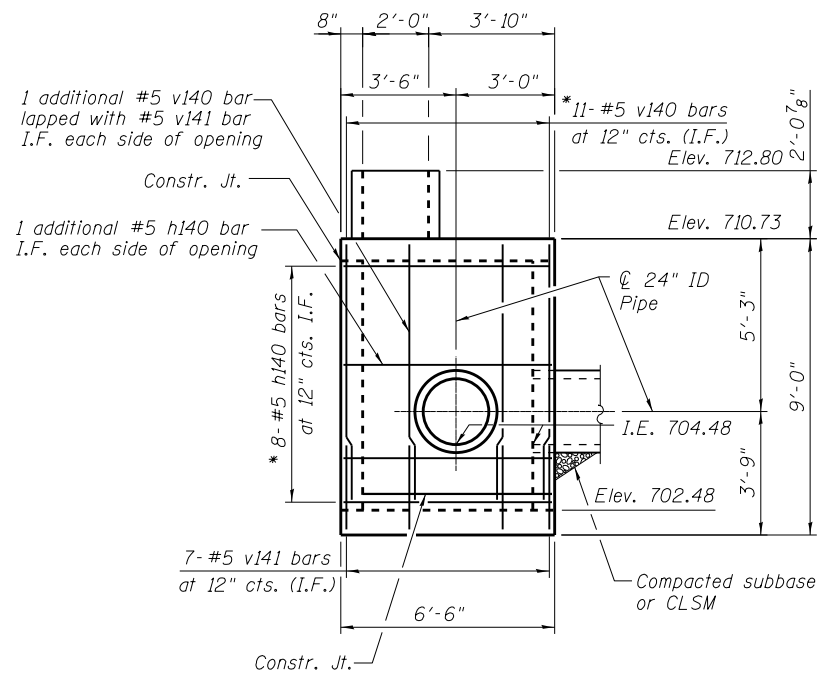
**REINFORCED CONCRETE END SECTION
STA. 126 + 23**

SCALE: NTS SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	352
DD-05		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



TOP PLAN

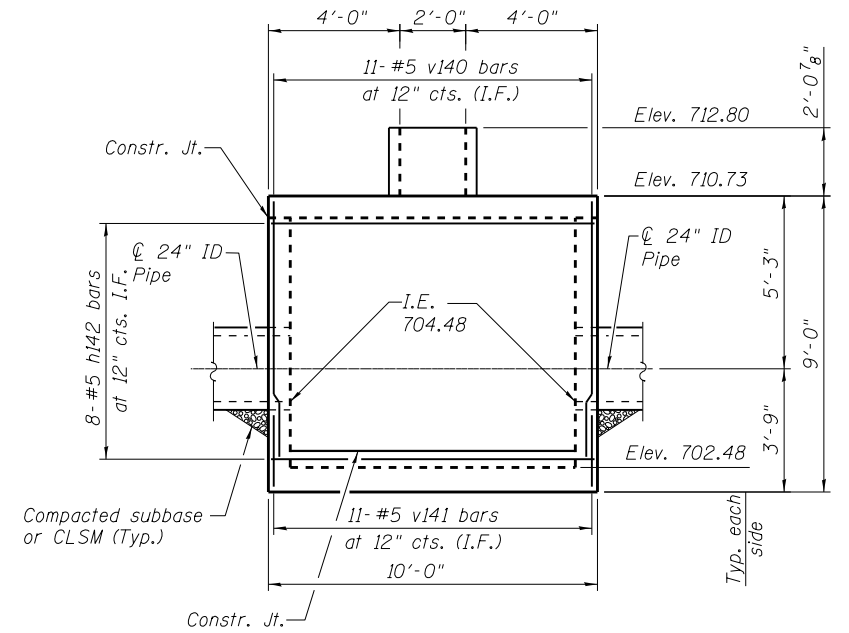


NORTH ELEVATION

(Looking South)

Additional bars around side openings not shown for clarity, see West elevation

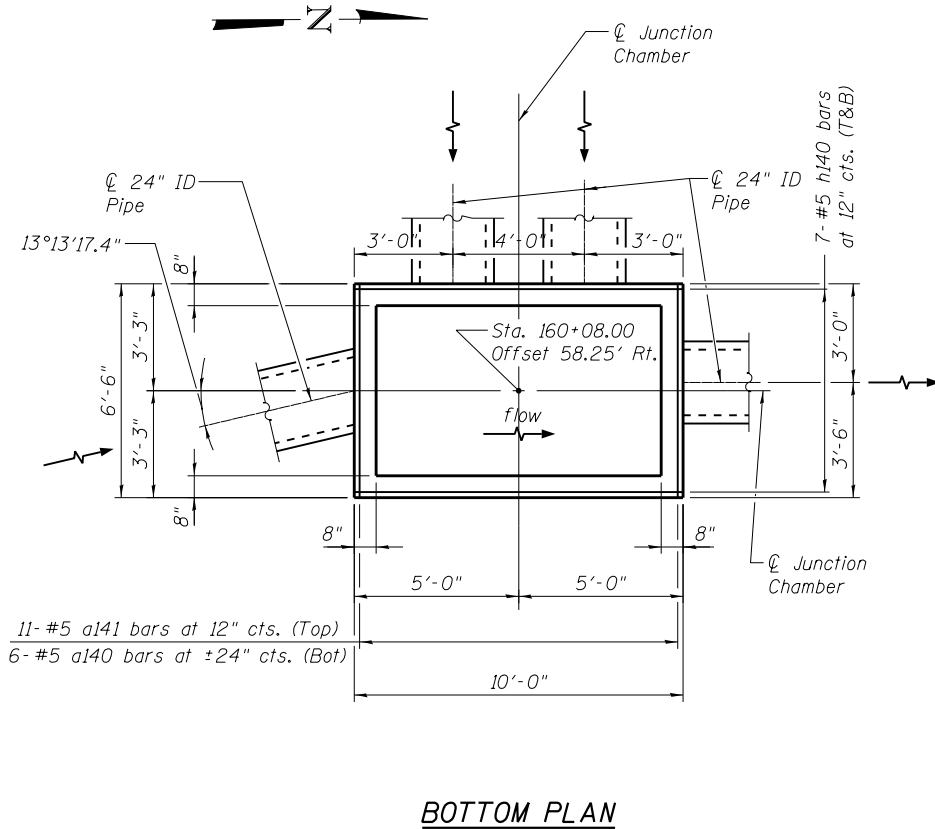
*Trim to fit around opening



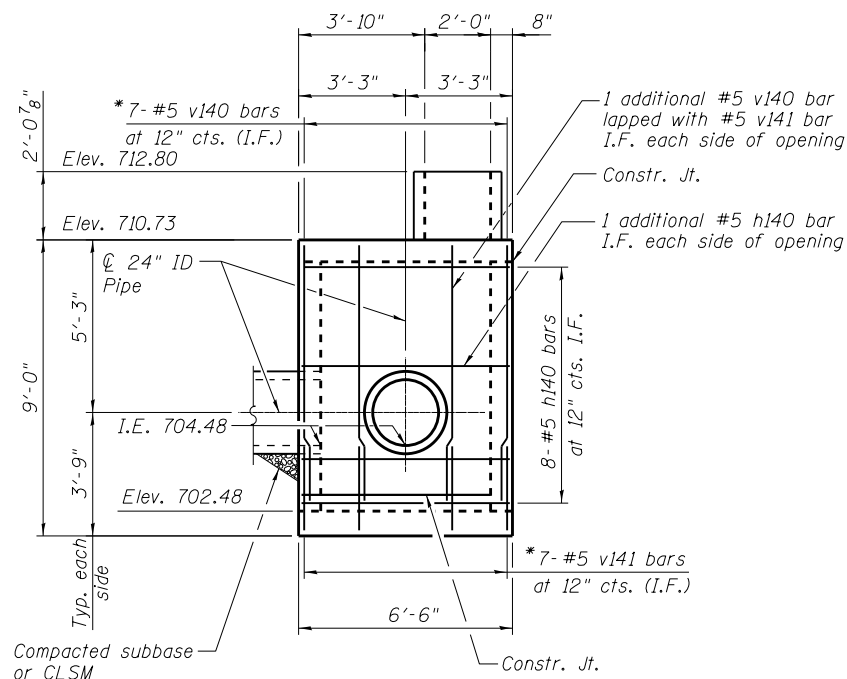
EAST ELEVATION

(Looking West)

Additional bars around side openings not shown for clarity, see North & South elevations



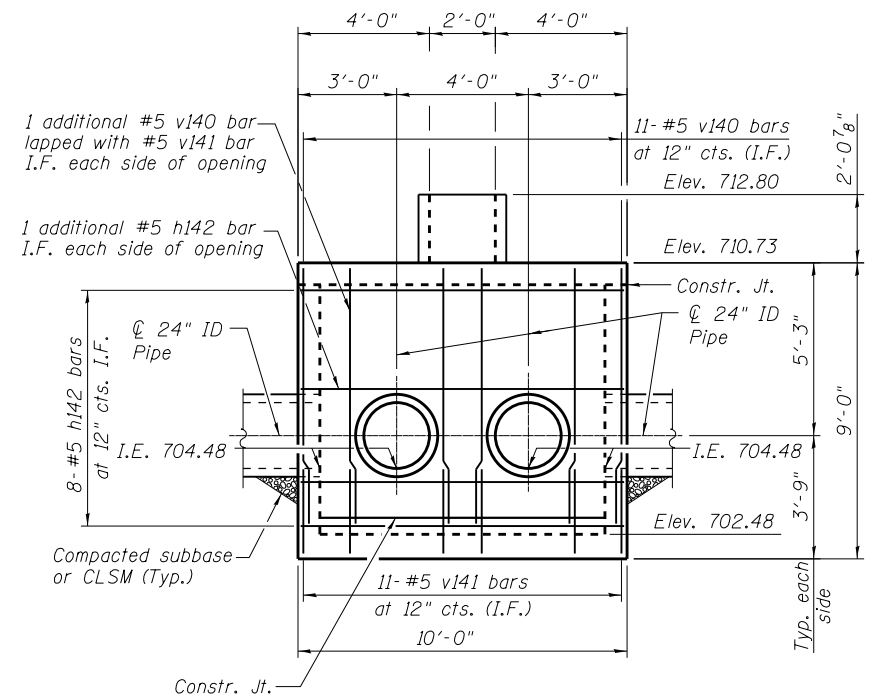
BOTTOM PLAN



SOUTH ELEVATION

(Looking North)

Additional bars around side openings not shown for clarity, see West elevation



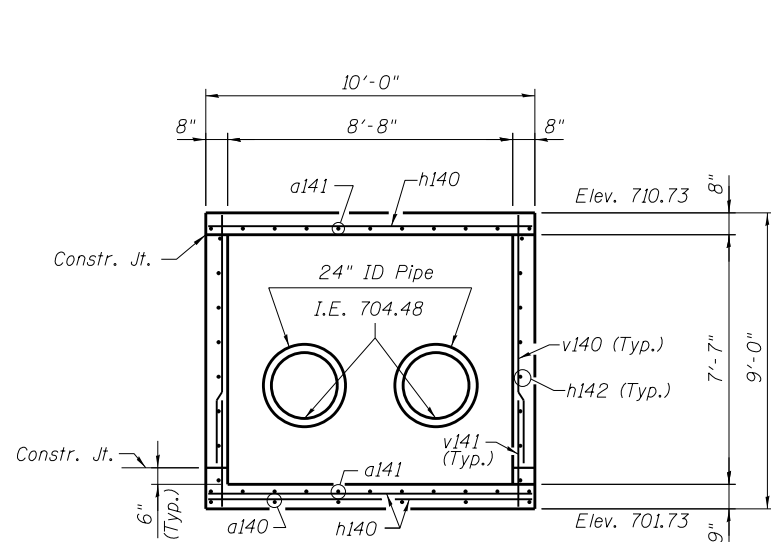
WEST ELEVATION

(Looking East)

Additional bars around side openings not shown for clarity, see North & South elevations

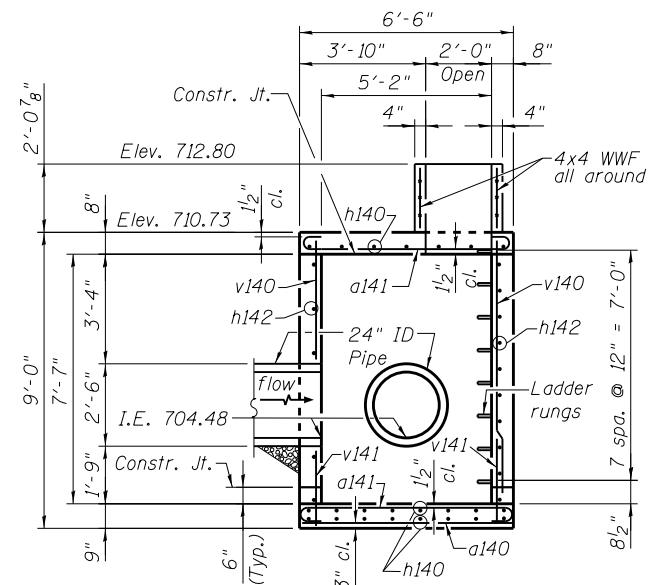
FILE NAME = D160F05-SHT-JC1-01.dgn	USER NAME = Frank.Stallone	DESIGNED - PMH	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE = 5.8333' / 1"	DRAWN - LS	REVISED -
	PLOT DATE = 3/14/2013	CHECKED -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	353
DD-06		CONTRACT NO. 60F05		



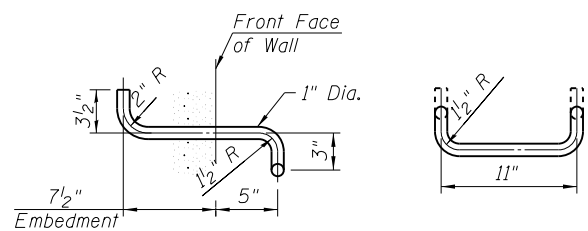
SECTION A-A

For bars around 24" pipe openings, see West elevation

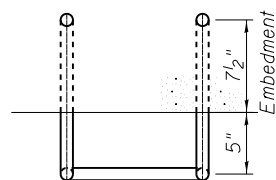


SECTION B-B

1. Additional bars around top opening not shown for clarity, see Top plan
2. Trim bars to fit opening around 24" ID pipe



SIDE VIEW FRONT VIEW
TYPE Z LADDER RUNG ELEVATIONS



TYPE Z LADDER RUNG PLAN

1. The ladder rungs shall be aluminum, conforming to ASTM B361-Alloy 6061-T6 or shall be ductile iron. Aluminum ladder rungs shall receive a heavy coat of bituminous paint or cold applied asphaltic mastic for the portion embedded in concrete. The coating must extend beyond the embedment at least two inches.
2. The contractor may submit an alternative ladder rung detail for Engineer's approval.

Note: All costs for compacted subbase or CLSM, ladder rungs and all other appurtenances required to complete this work shall be included in the item "Concrete Structures."

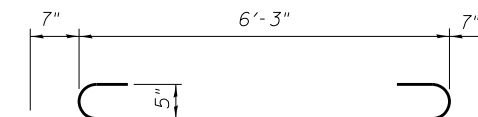
DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

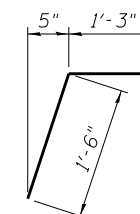
Notes:
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

BILL OF MATERIAL

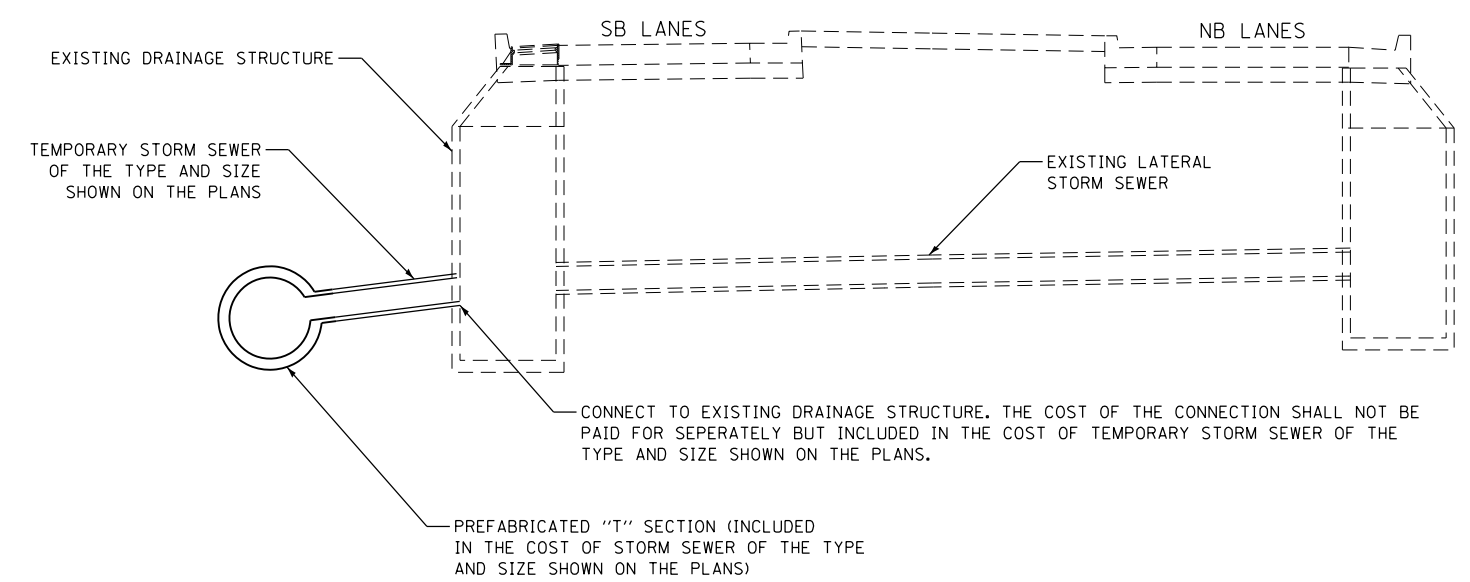
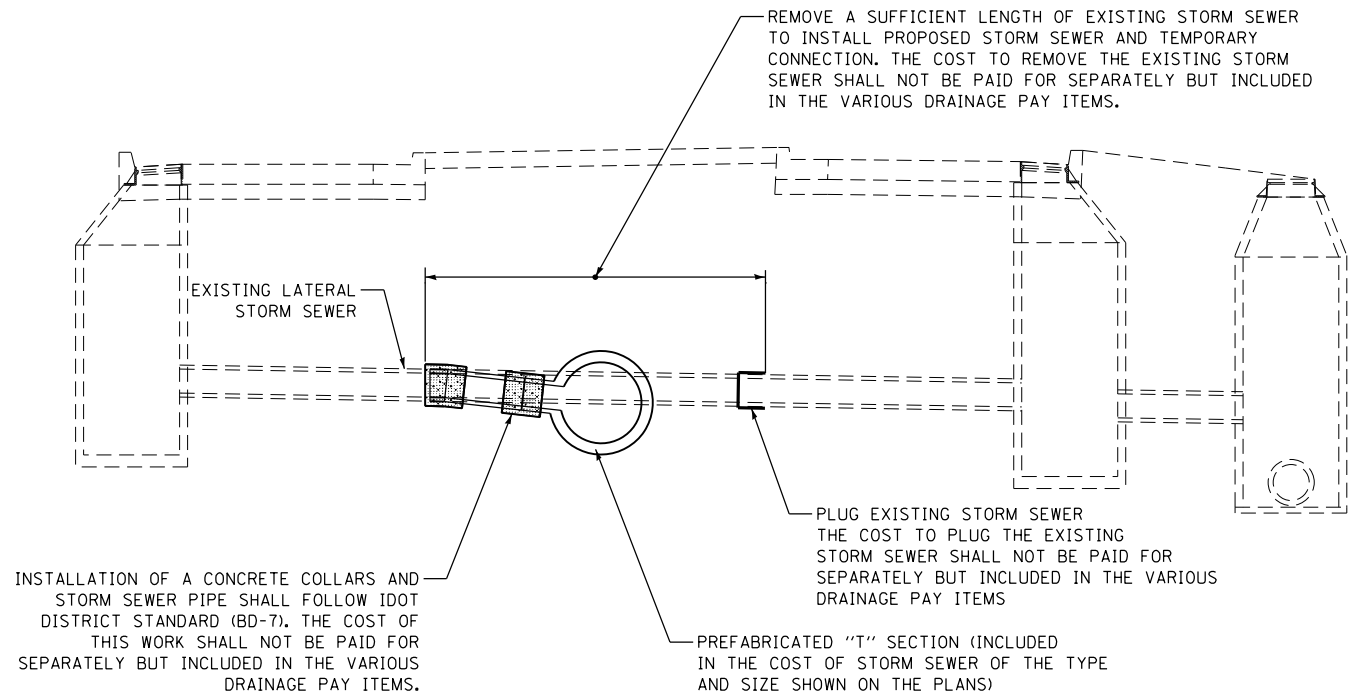
Bar	No.	Size	Length	Shape
a140	6	#5	6'-3"	—
a141	22	#5	7'-5"	⌋
h140	31	#5	9'-9"	—
h141	8	#5	2'-9"	—
h142	18	#5	9'-9"	—
v140	44	#5	7'-6"	—
v141	44	#5	2'-4"	—
Structure Excavation			Cu. Yd.	50
Concrete Structures			Cu. Yd.	8.4
Reinforcement Bars			Pound	1,190



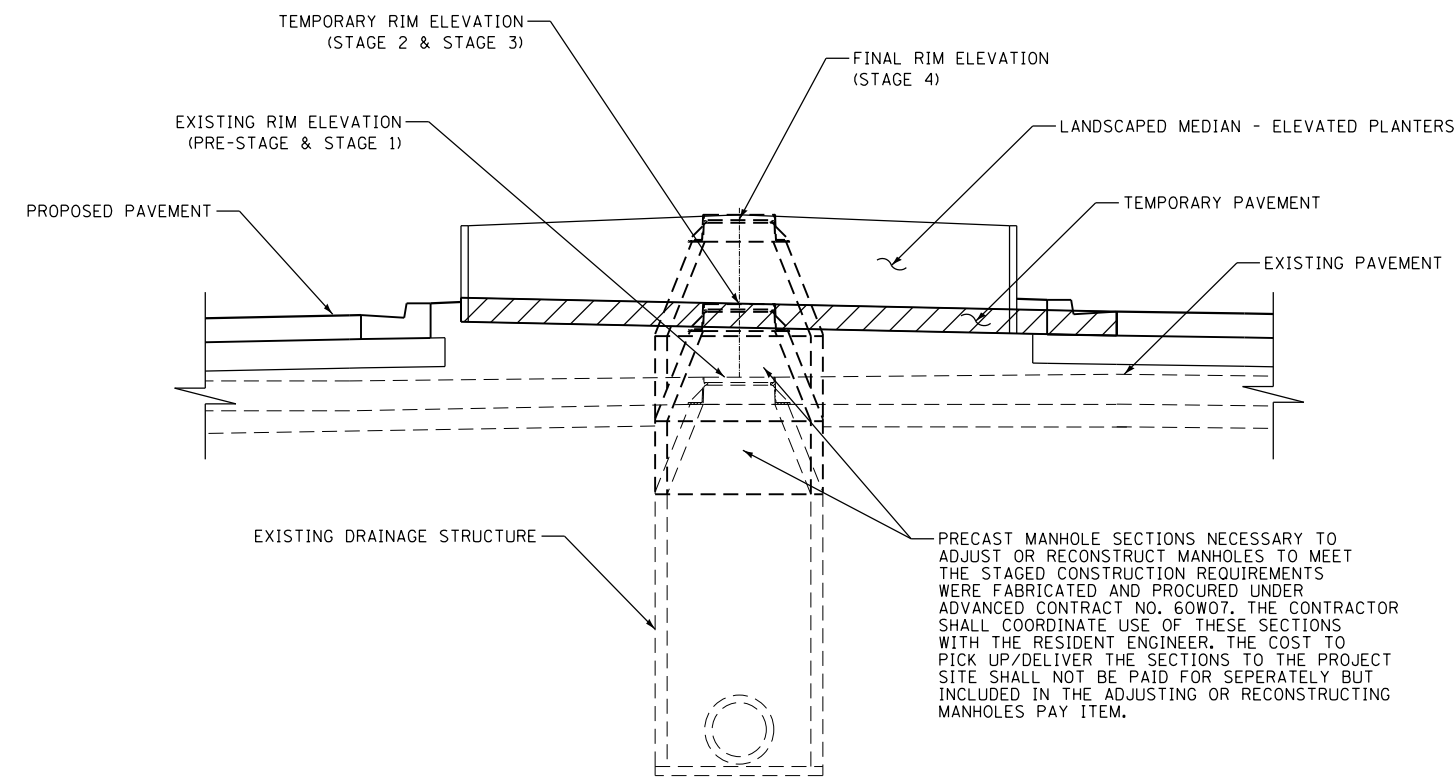
BAR a141



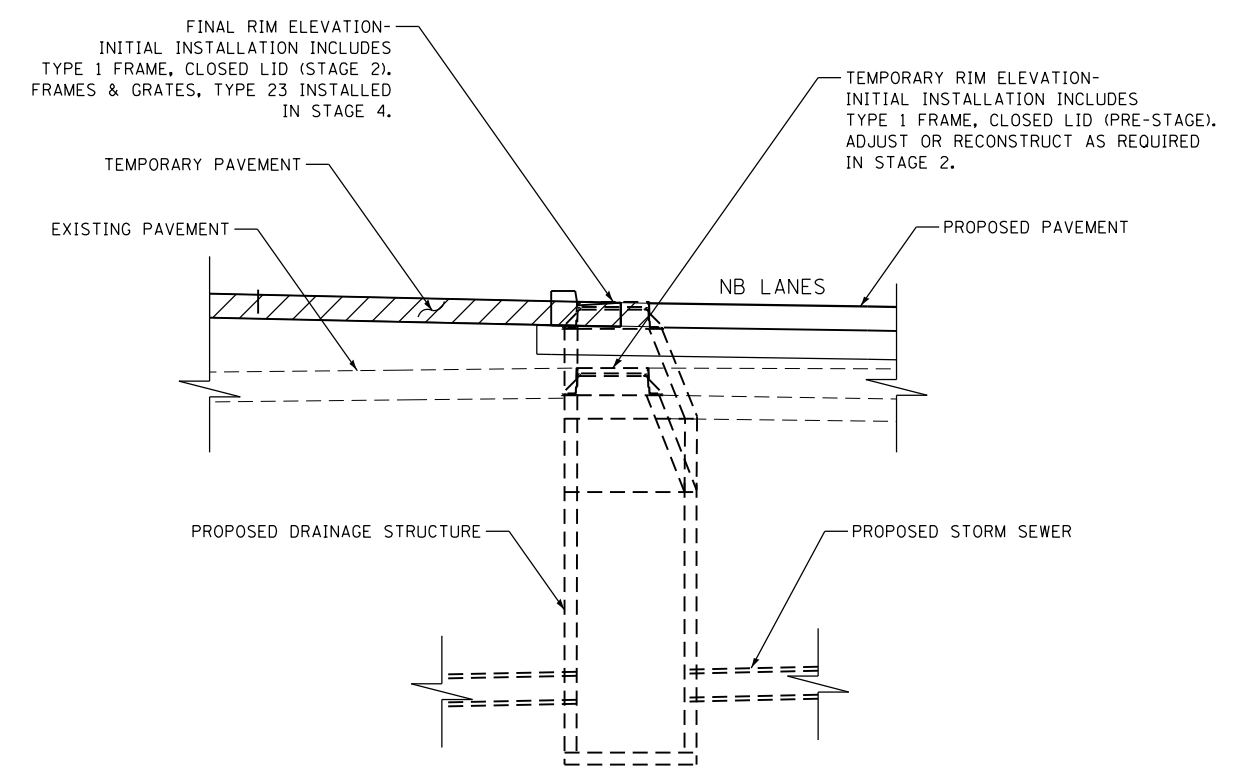
BAR h141



TEMPORARY STORM SEWER CONNECTION DETAILS
NTS



MEDIAN MANHOLE ADJUSTMENT/RECONSTRUCTION DETAIL
NTS



NB EDGE OF MEDIAN DRAINAGE STRUCTURE ADJUSTMENT/RECONSTRUCTION DETAIL
NTS

100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

URS

FILE NAME = D160F05-SHT-DRAINDET01.dgn	USER NAME = Frank.Stallone	DESIGNED -	REVISED -
		DRAWN - NFT	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED - DLT	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STORM SEWER DRAINAGE DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	355
DD-01		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	FILED		
	NO.		
	FILE NAME		

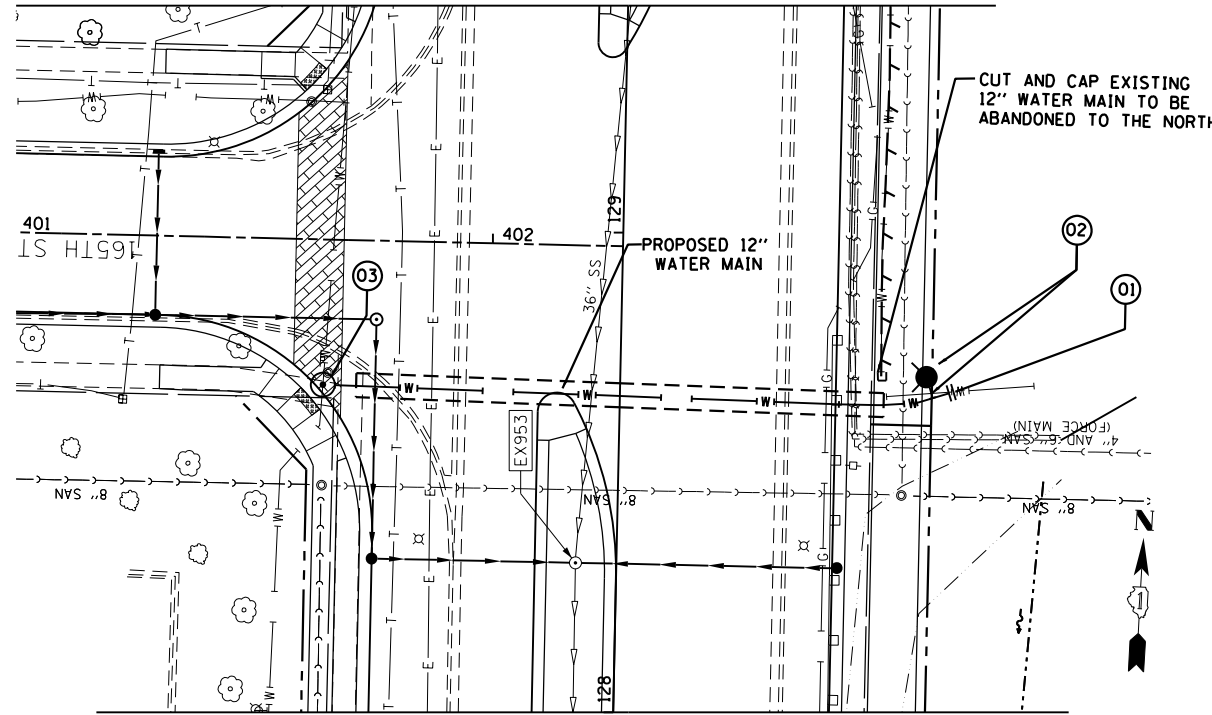
PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS		
	CPAD		
	NO.		

100 S. WACKER DR.
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4088

URS

- 01 CONNECTION TO EXISTING WATER MAIN, 12" STA 128+67, 65.0' RT
N 1793680.64
E 1115862.42
- 02 12"x6" TEE, MJ STA 128+67, 65.0' RT
N 1793680.64
E 1115862.42
INSTALL 6" PIPE AND FITTINGS AS NECESSARY
HYDRANT WITH AUXILIARY VALVE AND BOX
STA 128+70, 65.0' RT
N 1793683.64
E 1115862.42

- 03 PRESSURE CONNECTION 16"x12" TAPPING SLEEVE AND 12" TAPPING VALVE IN VAULT, 5' DIAMETER STA 128+67, 60.0' LT
N 1793675.44
E 1115735.61
RIM TO MEET PROPOSED PAVEMENT GRADE

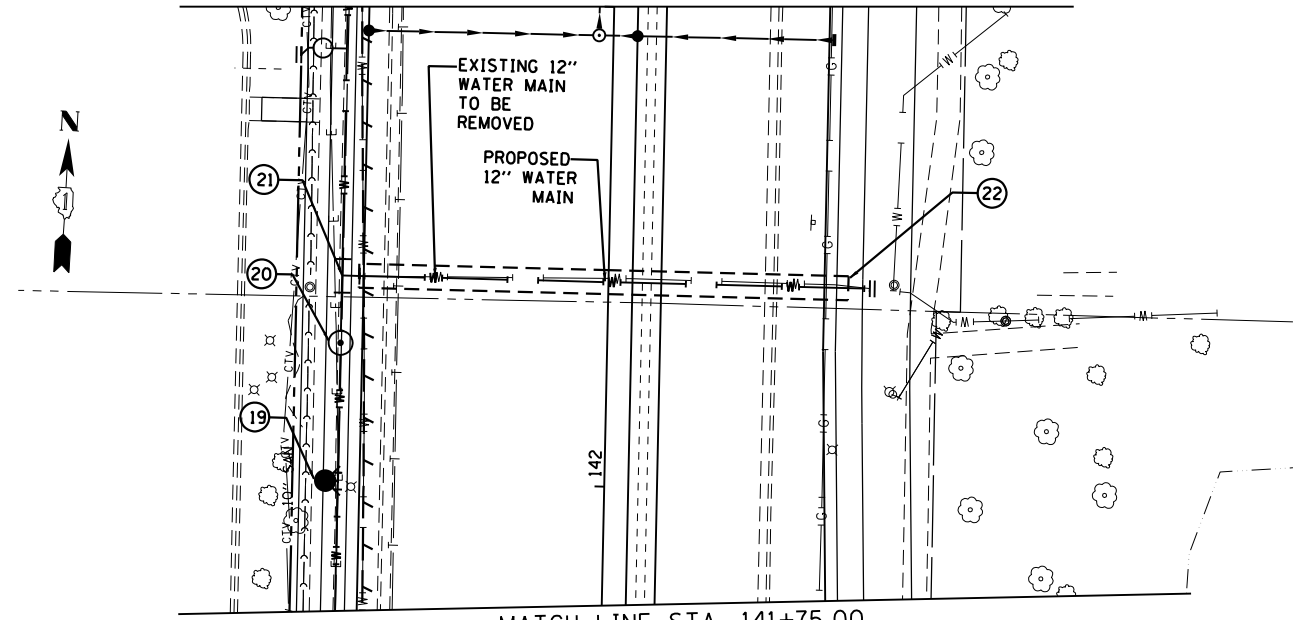


WATER MAIN CROSSING DETAIL "A"
(SEE PLAN SHEET WT-03)

- 19 16"x6" TEE, MJ STA 142+00, 55.5' LT
N 1795007.82
E 1115695.96
INSTALL 6" PIPE AND FITTINGS AS NECESSARY
HYDRANT WITH AUXILIARY VALVE AND BOX
STA 142+00, 57.0' LT
N 1795007.82
E 1115693.96

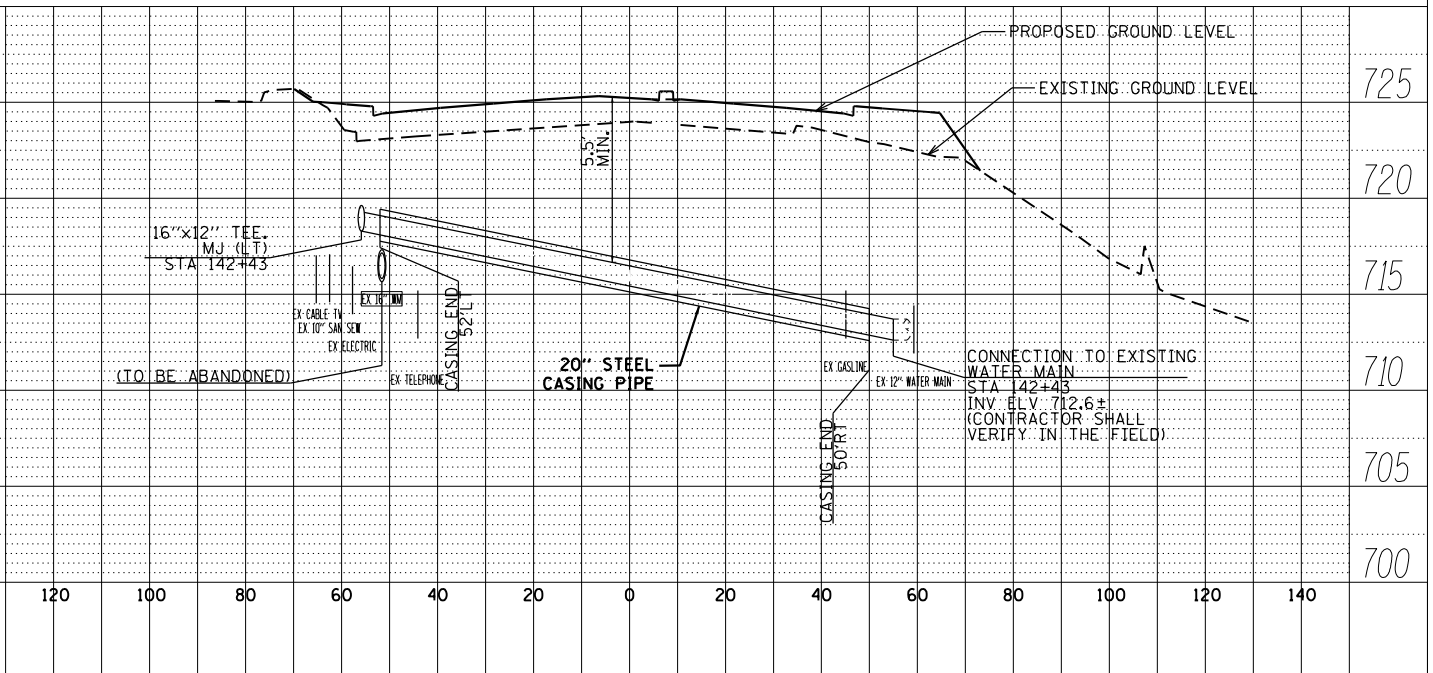
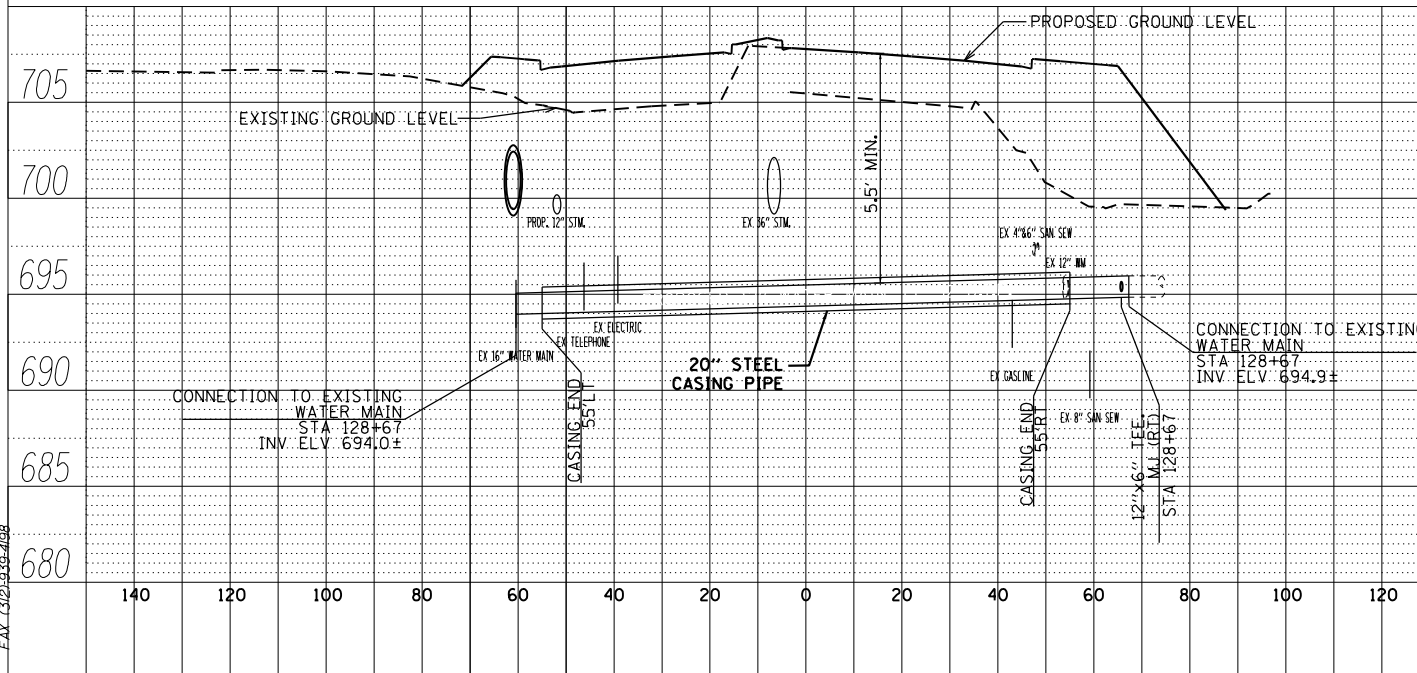
- 20 GATE VALVE IN VAULT 16" STA 142+29, 55.5' LT
N 1795036.68
E 1115695.57
- 21 16"x12" TEE, MJ STA 142+43, 55.5' LT
N 1795050.68
E 1115695.57
INSTALL 110' OF 12" PIPE TO THE EAST

- 22 CONNECTION TO EXISTING WATER MAIN STA 142+43, 55.0' RT
N 1795054.03
E 1115805.61



MATCH LINE STA. 141+75.00

WATER MAIN CROSSING DETAIL "B"
(SEE PLAN SHEET WT-03)



FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - DF	REVISED -
D160F05-SHT-WATER02.dgn		DRAWN - DF	REVISED -
		CHECKED - TDW	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN - PROPOSED PLAN AND PROFILE
US 45 (LAGRANGE ROAD)

SCALE: 1"=40'H; 1"=5' SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	357
WT-02			CONTRACT NO.	60F05
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	BY	

100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 939-4000
FAX (312) 939-4098

SEE DRAWING WT-03
MATCH LINE STA. 129+50.00

04A CONNECTION TO EXISTING WATER MAIN, 16"
STA 131+50, 55.5' LT
N 1793959.02
E 1115732.37

04B 16"x6" TEE, MJ
STA 132+60.5, 55.5' LT
N 1794068.93
E 1115728.65
INSTALL 6" PIPE AND FITTINGS AS NECESSARY
HYDRANT WITH AUXILIARY VALVE AND BOX
STA 132+60.5, 57.0' LT
N 1794068.93
E 1115726.00

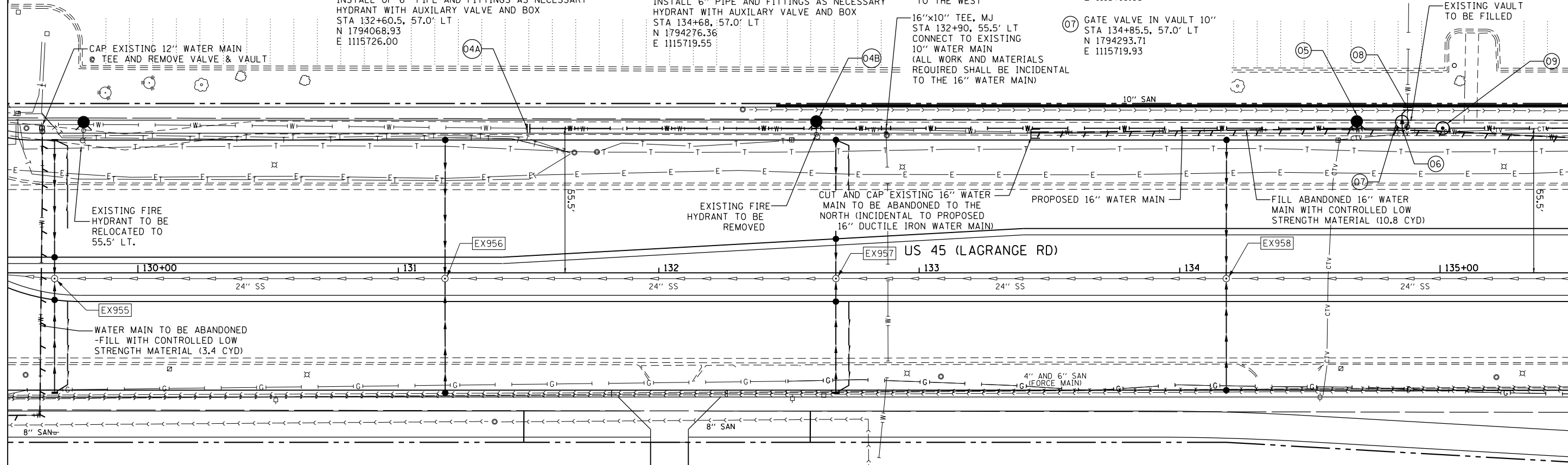
05 16"x6" TEE, MJ
STA 134+68, 55.5' LT
N 1794276.36
E 1115721.55
INSTALL 6" PIPE AND FITTINGS AS NECESSARY
HYDRANT WITH AUXILIARY VALVE AND BOX
STA 134+68, 57.0' LT
N 1794276.36
E 1115719.55

06 16"x10" TEE, MJ
STA 134+85.5, 55.5' LT
N 1794293.71
E 1115720.93
INSTALL 8.5' OF 10" PIPE
TO THE WEST

08 CONNECTION TO EXISTING WATER MAIN, 10"
WITH TWO (2) 10"-45° BENDS
STA 134+87.5, 63.0' LT
N 1794295.71
E 1115718.93

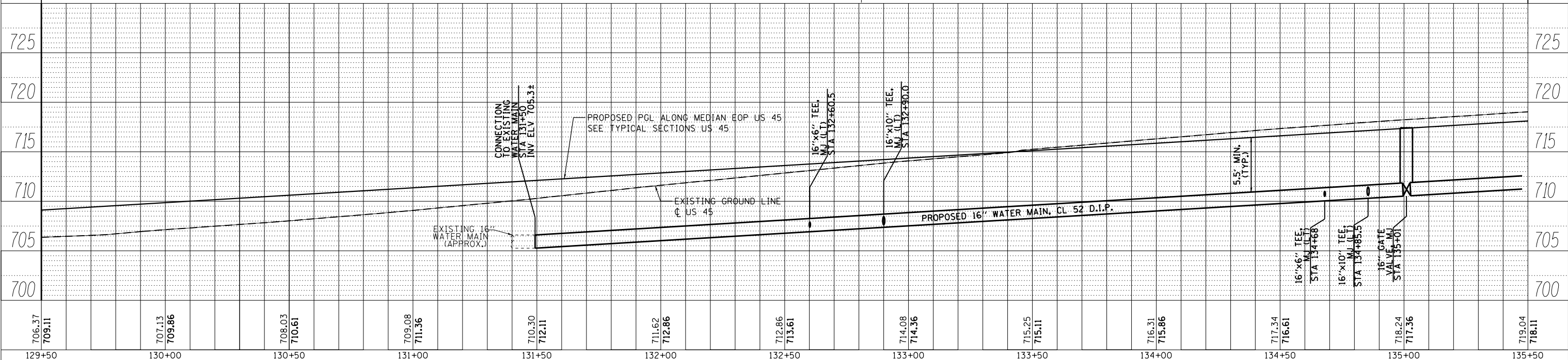
09 GATE VALVE IN VAULT 16"
STA 135+01, 55.5' LT
N 1794309.30
E 1115720.43

07 GATE VALVE IN VAULT 10"
STA 134+85.5, 57.0' LT
N 1794293.71
E 1115719.93



MATCH LINE STA. 135+50.00
SEE DRAWING WT-05

NOTE:
ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO RELOCATE THE EXISTING FIRE HYDRANTS SHALL BE INCLUDED IN THE PRICE BID FOR "RELOCATE EXISTING FIRE HYDRANT". THE VILLAGE SHALL WORK WITH THE CONTRACTOR ON SHUT-DOWNS AND EXISTING TEES MAY BE ROTATED IF NEEDED.



706.37 709.11	707.13 709.86	708.03 710.61	709.08 711.36	710.30 712.11	711.62 712.86	712.86 713.61	714.08 714.36	715.25 715.11	716.31 715.86	717.34 716.61	718.24 717.36	719.04 716.11
129+50	130+00	130+50	131+00	131+50	132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN - PROPOSED PLAN AND PROFILE
US 45 (LAGRANGE ROAD)

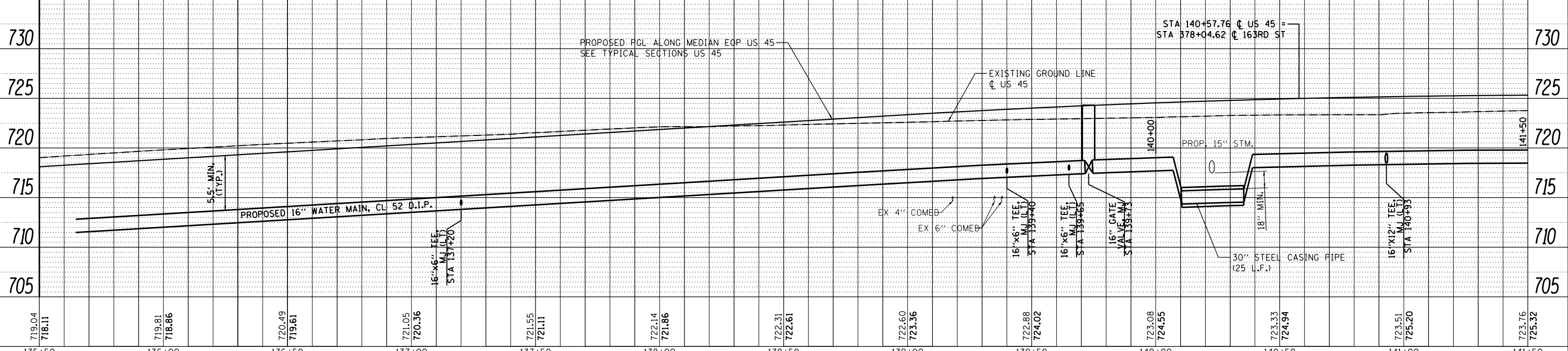
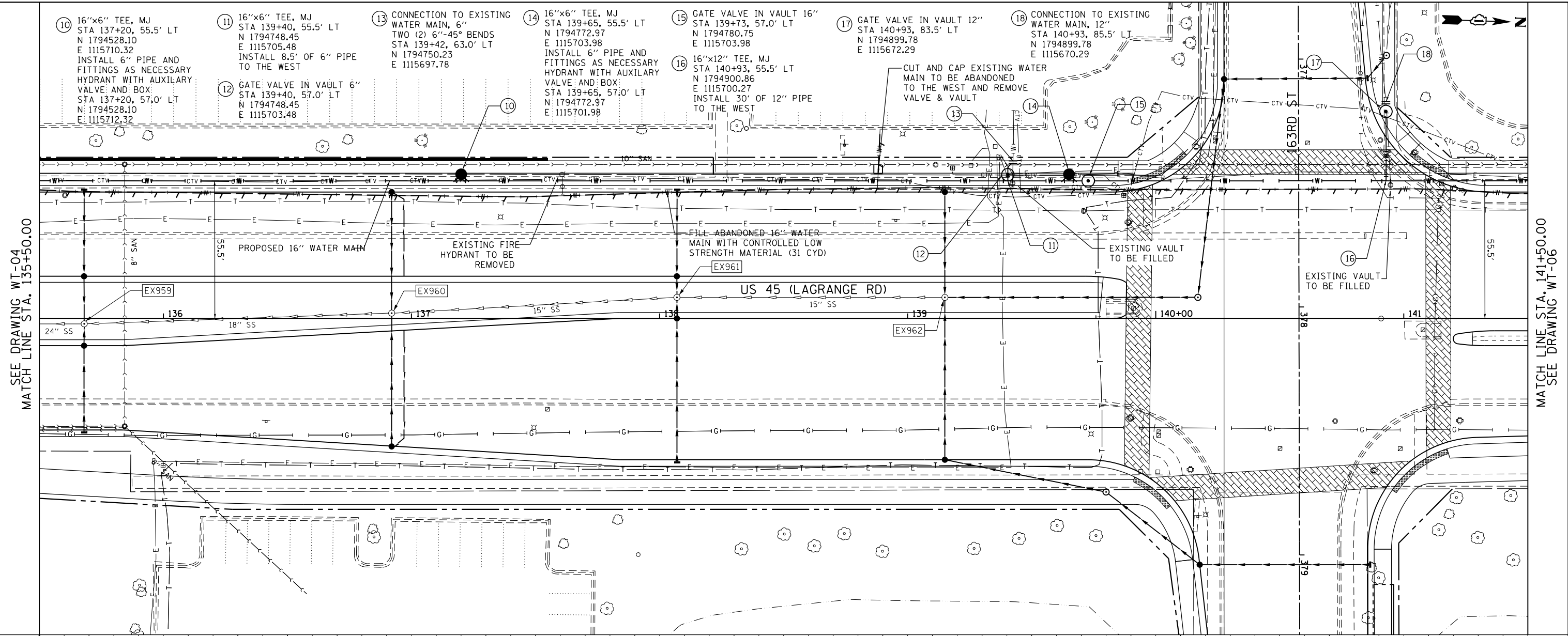
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	359
WT-04		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SCALE: 1"=40'H; 1"=5' V SHEET 4 OF 10 SHEETS STA. 129+50.00 TO STA. 135+50.00

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO. _____	
	STRUCTURE	
	NOTATION	
	NO. _____	

URS
100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 939-4900
FAX (312) 939-4998



FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN - PROPOSED PLAN AND PROFILE US 45 (LAGRANGE ROAD)	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D160F05-SHT-WATER05.dgn		DRAWN - JTF	REVISED -			330	103R-3	COOK	932	360
PLOT SCALE = 40.0000' / in.		CHECKED - MJT	REVISED -			WT-05		CONTRACT NO. 60F05		
PLOT DATE = 3/9/2013		DATE - 03/13/13	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1"=40'H 1"=5'V SHEET 5 OF 10 SHEETS STA. 135+50.00 TO STA. 141+50.00

SEE DRAWING WT-04
MATCH LINE STA. 135+50.00

MATCH LINE STA. 141+50.00
SEE DRAWING WT-06

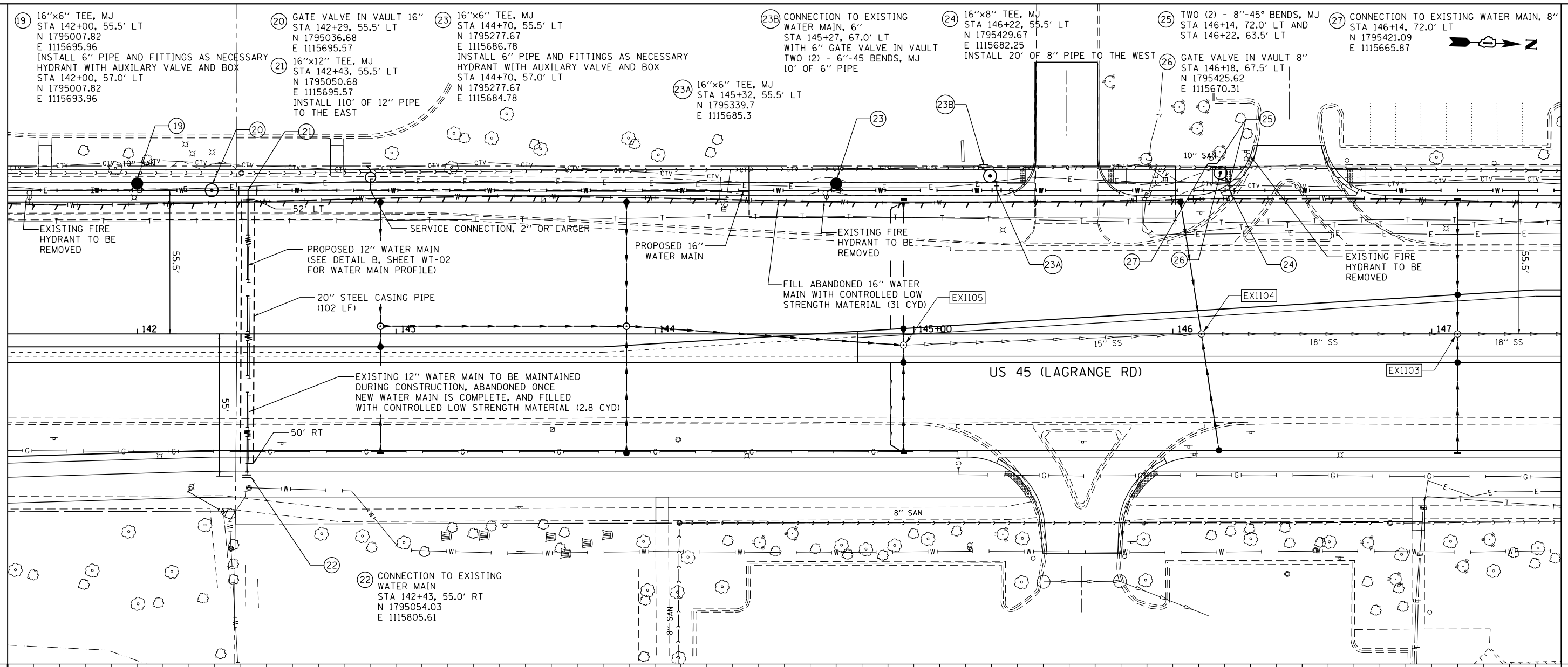
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CPAD	
	NO.	

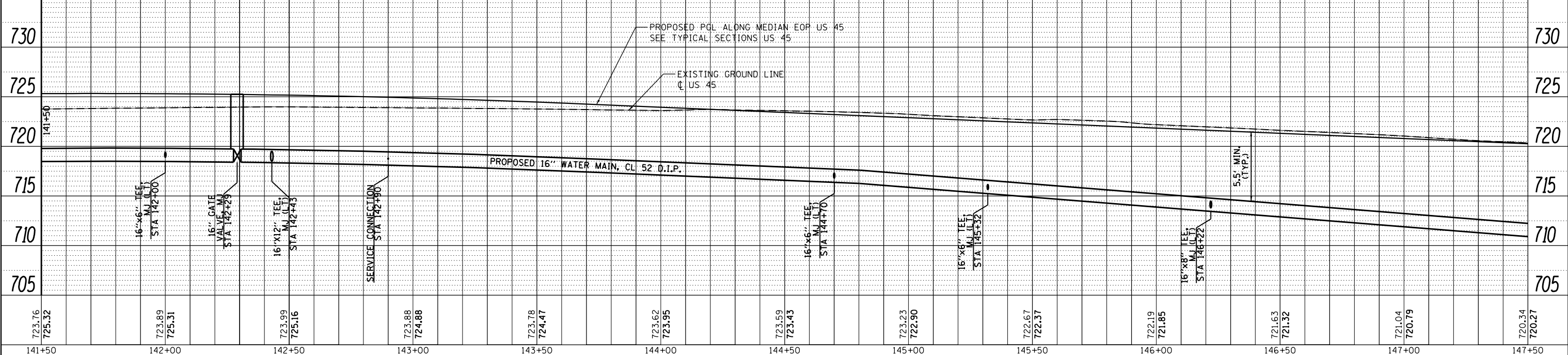
100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 539-4000
FAX (312) 539-4098

URS

SEE DRAWING WT-05
MATCH LINE STA. 141+50.00



MATCH LINE STA. 147+50.00
SEE DRAWING WT-07



723.76 725.32	723.89 725.31	723.99 725.16	723.88 724.88	723.78 724.47	723.62 723.95	723.59 723.43	723.23 722.90	722.67 722.37	722.19 721.85	721.63 721.32	721.04 720.79	720.34 720.27
141+50	142+00	142+50	143+00	143+50	144+00	144+50	145+00	145+50	146+00	146+50	147+00	147+50

FILE NAME = D:\60\F05-SHT-WATER06.dgn
SHT_PLNPROF URBAN

USER NAME = Anthony.Plutz
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/9/2013

DESIGNED - JTF
DRAWN - JTF
CHECKED - MJT
DATE - 03/13/13

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN - PROPOSED PLAN AND PROFILE
US 45 (LAGRANGE ROAD)

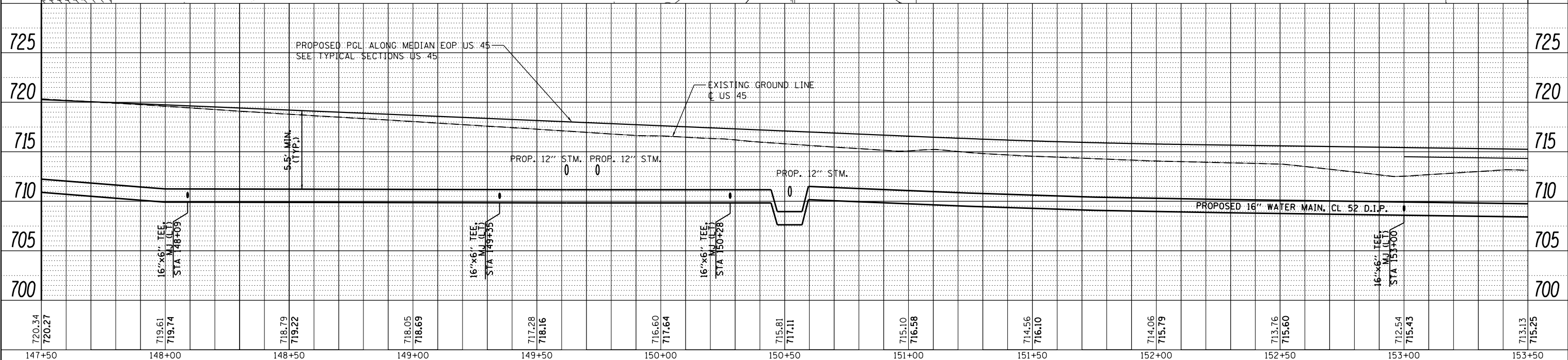
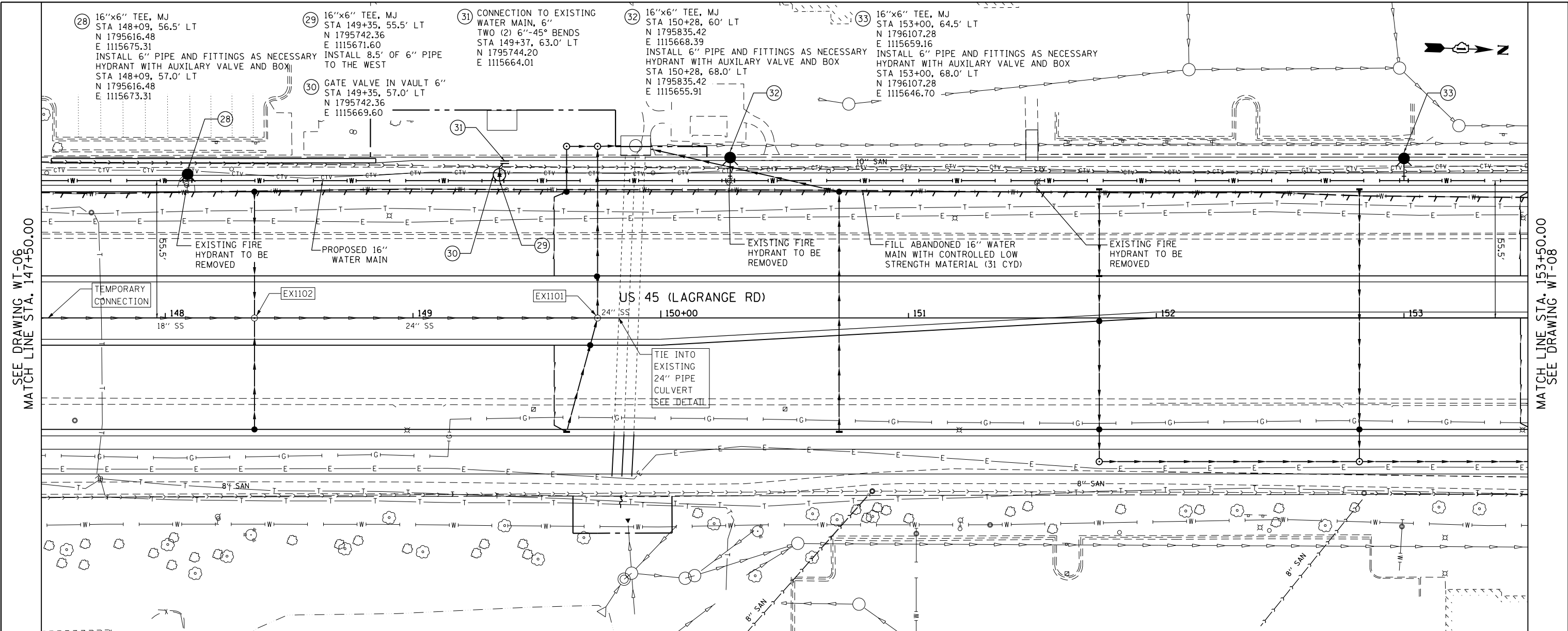
SCALE: 1"=40'H; 1"=5' V SHEET 6 OF 10 SHEETS STA. 141+50.00 TO STA. 147+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 361
WT-06		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO. _____	

URS
100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL: (312) 939-4900
FAX: (312) 939-4998

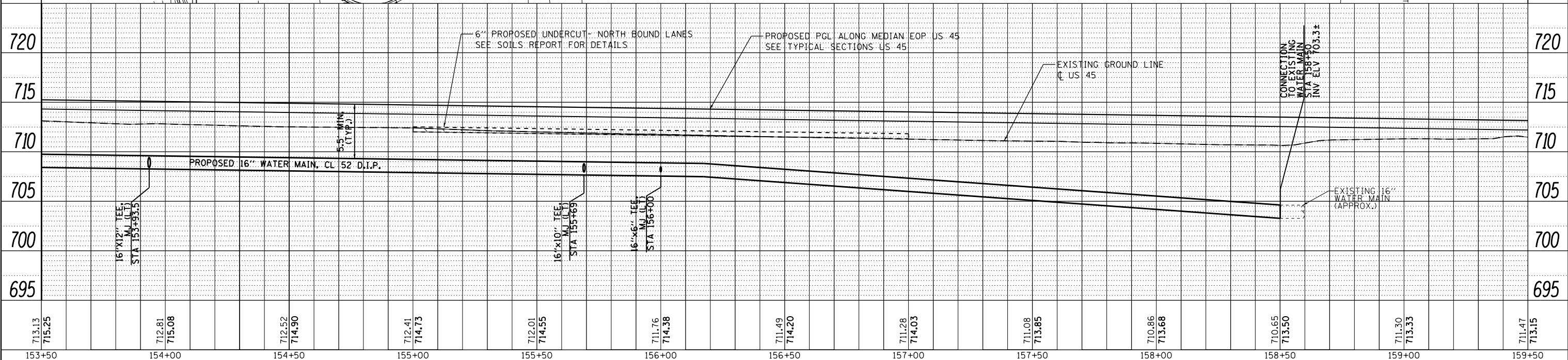
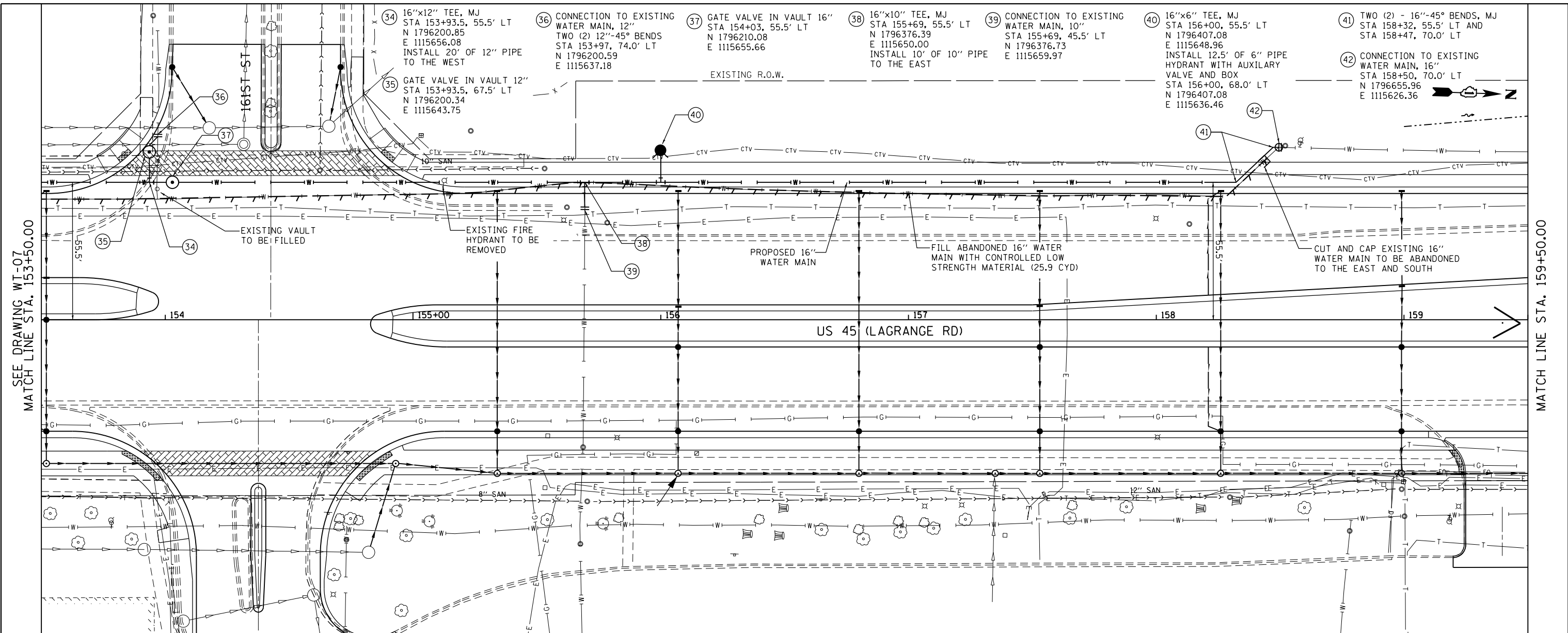


FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN - PROPOSED PLAN AND PROFILE US 45 (LAGRANGE ROAD)	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D160F05-SHT-WATER07.dgn		DRAWN - JTF	REVISED -			330	103R-3	COOK	932	362
PLOT SCALE = 40.0000' / in.		CHECKED - MJT	REVISED -			WT-07		CONTRACT NO. 60F05		
PLOT DATE = 3/9/2013		DATE - 03/13/13	REVISED -			SCALE: 1"=40'H; 1"=5' SHEET 7 OF 10 SHEETS STA. 147+50.00 TO STA. 153+50.00 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
	FILE NAME	

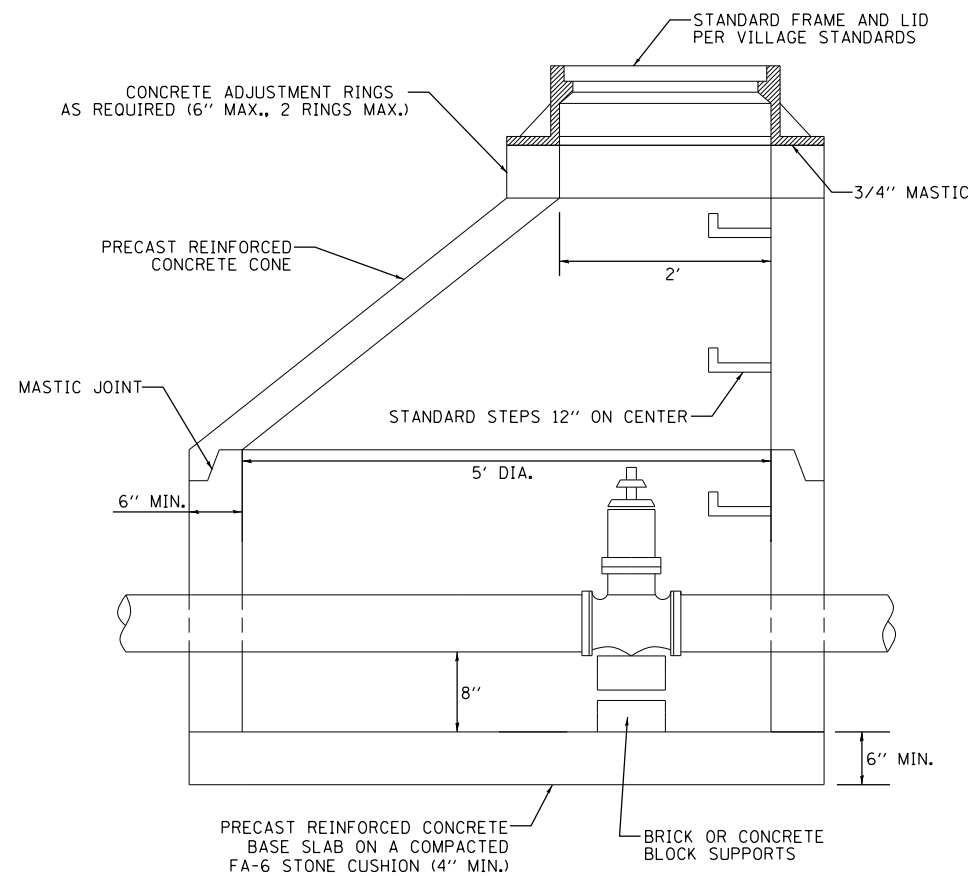
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS	
	CPAD	

100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 329-4000
FAX (312) 329-4000



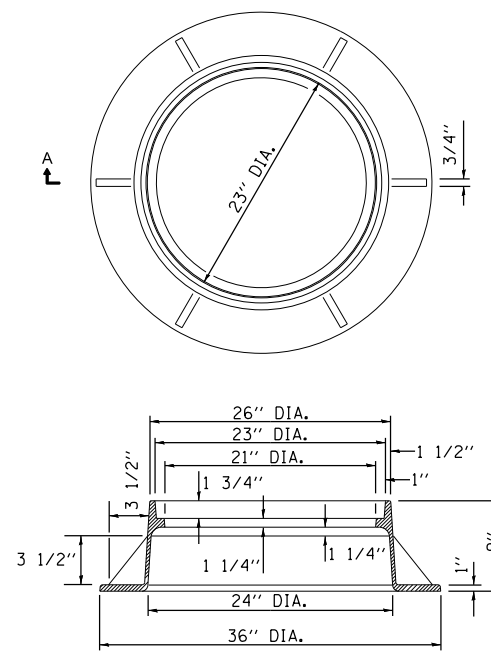
FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN - PROPOSED PLAN AND PROFILE US 45 (LAGRANGE ROAD)	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D160F05-SHT-WATER08.dgn	PLOT SCALE = 40.0000' / in.	DRAWN - JTF	REVISED -			330	103R-3	COOK	932	363
SHT_PLNPROF URBAN	PLOT DATE = 3/9/2013	CHECKED - MJT	REVISED -			WT-08		CONTRACT NO. 60F05		
		DATE - 03/13/13	REVISED -			SCALE: 1"=40'H; 1"=5'V		SHEET 8 OF 10 SHEETS		STA. 153+50.00 TO STA. 159+50.00

ILLINOIS FED. AID PROJECT



- NOTES:
- ADJUSTMENTS SHALL NOT EXCEED 12" USING ADJUSTMENT RINGS.
 - PRECAST CONCRETE SECTIONS SHALL CONFORM TO ASTM C478.

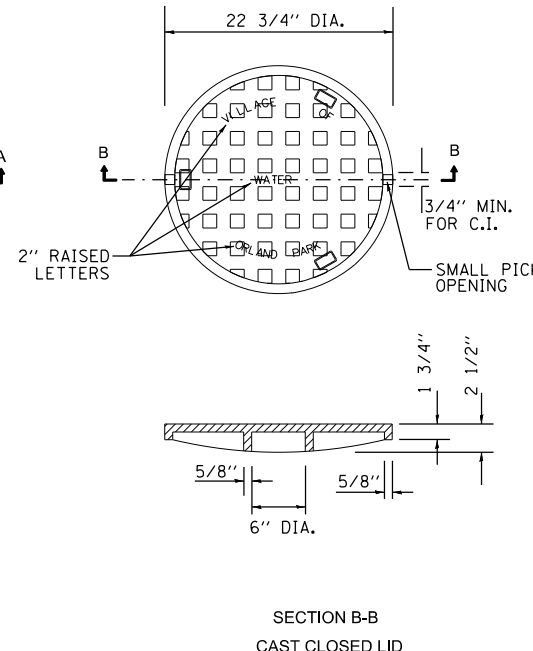
WATER MAIN VALVE VAULT



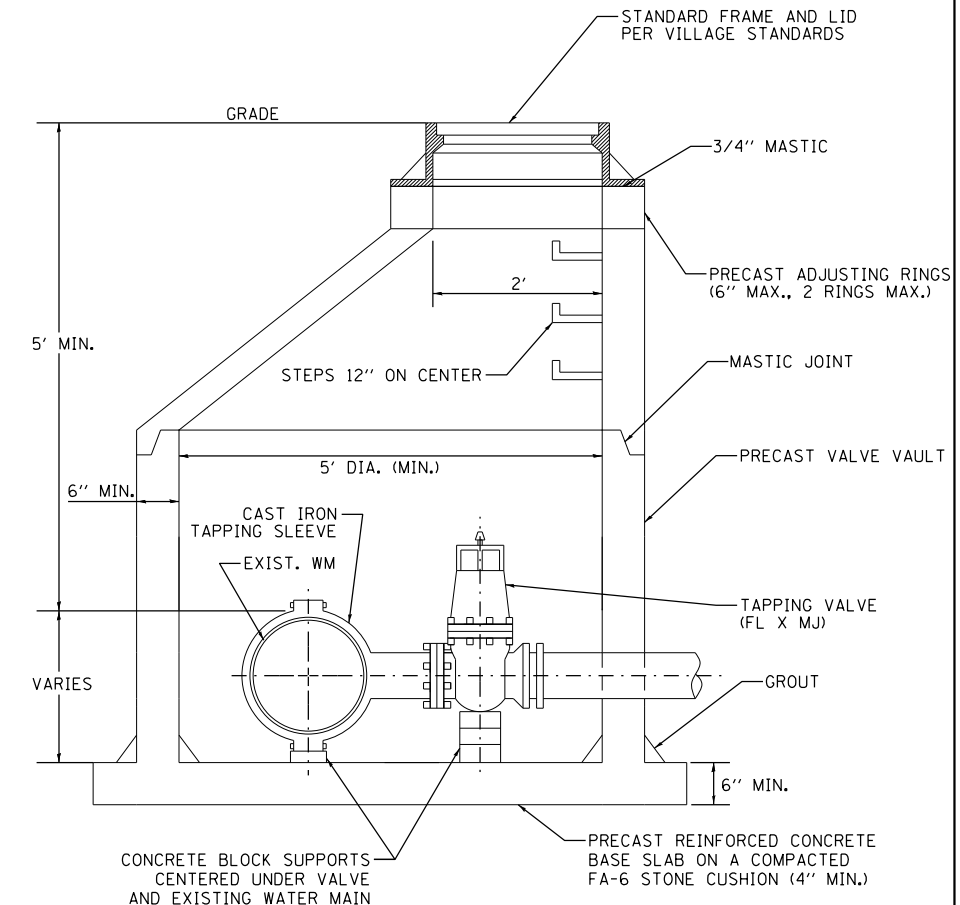
**SECTION A-A
CAST FRAME**
WT. = 330 LBS.

- DUCTILE IRON CASTINGS SHALL BE GRADE 60-40-18 & SHALL BE TESTED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS.
- ALL LIDS AND COVERS SHALL BE MACHINED
- THE MANHOLE COVERS SHALL HAVE RAISED LETTERS AS SHOWN.
- ALTERNATIVE TO DUCTILE IRON LID, GRAY IRON LID MAY BE USED
- MINIMUM WEIGHTS FOR CASTINGS AS SHOWN
- CASTINGS SHALL BE EAST JORDAN IRON WORKS 105021 FRAME & 1020A COVER.

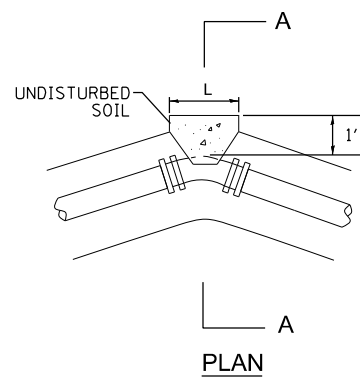
VALVE VAULT FRAME AND COVER



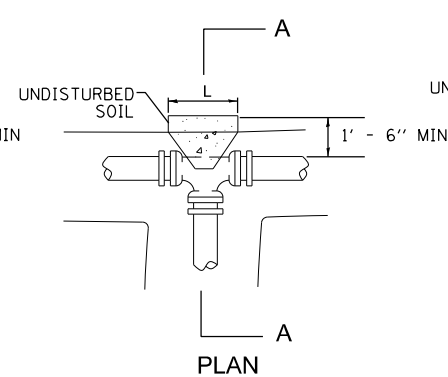
**SECTION B-B
CAST CLOSED LID**



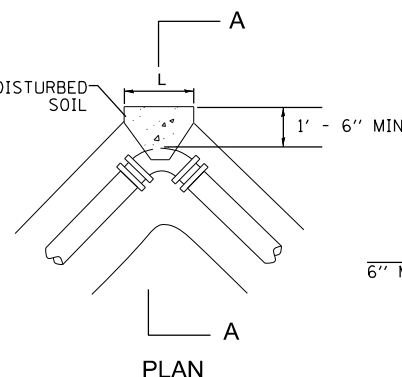
PRESSURE CONNECTION



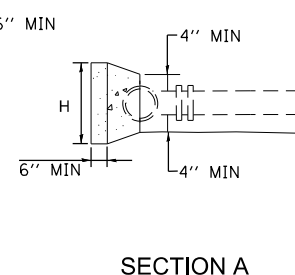
PLAN



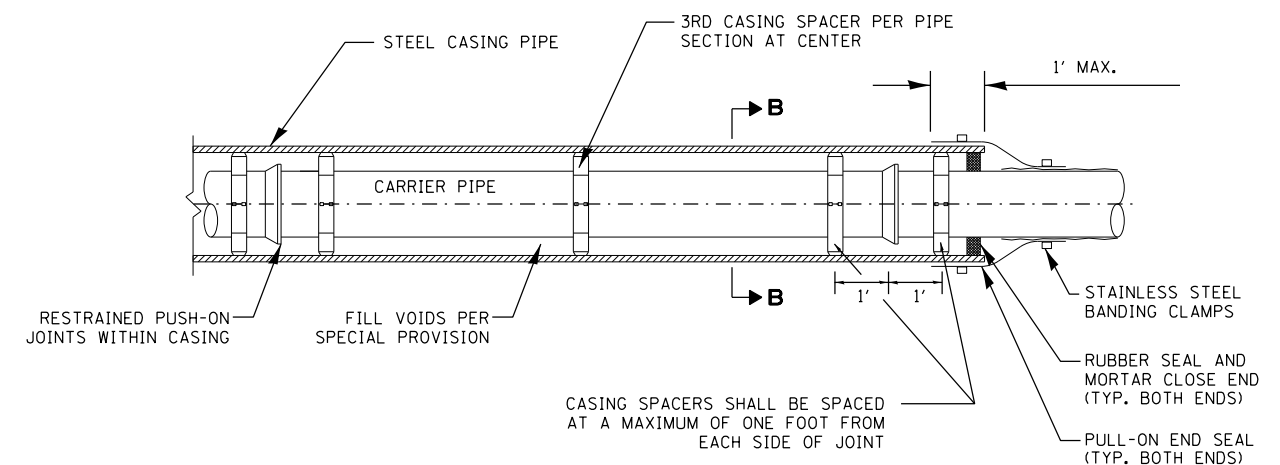
PLAN



PLAN

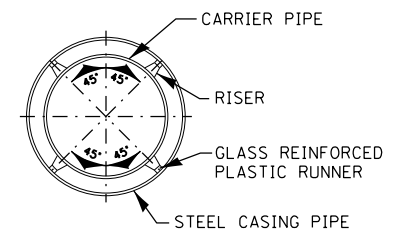


SECTION A



CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF ONE FOOT FROM EACH SIDE OF JOINT

SECTION B-B



CASING PIPE DETAIL

BORING AND JACKING NOTES:

- JACKING AND BORING OPERATIONS AND CASING PIPE SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIAL PROVISIONS.
- ACCESS PITS SHALL BE LOCATED A MINIMUM 10 FEET FROM THE ROADWAY EDGE OF PAVEMENT AND BE LOCATED OUTSIDE OF THE I.D.O.T. HIGHWAY RIGHT-OF-WAY.
- SHORING SHALL BE INSTALLED IMMEDIATELY DURING THE EXCAVATION OF ACCESS PITS AND SHALL CONFORM TO OSHA STANDARDS FOR TRENCH PROTECTION.
- SHORING SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED SUCH THAT IT WILL SAFELY SUPPORT ALL VERTICAL AND HORIZONTAL LOADS DURING CONSTRUCTION OPERATIONS.
- OPEN ACCESS PITS SHALL BE CLEARLY MARKED AND REMAIN PROTECTED WITH TEMPORARY CONCRETE BARRIERS AT ALL TIMES.
- BACKFILL ACCESS PITS WITH CA-6 AND COMPACT.

CONCRETE THRUST BLOCK DIMENSIONS										
PIPE SIZE	11-15° BEND		22-30° BEND		45°-BEND		90°-BEND		TEE & PLUG	
	H	L	H	L	H	L	H	L	H	L
< 8"	1'-6"	1'-6"	2'-0"	2'-6"	2'-6"	3'-0"	3'-6"	4'-0"	3'-0"	3'-6"
< 12"	1'-6"	2'-0"	2'-3"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	3'-6"	4'-0"
< 16"	2'-0"	2'-0"	2'-6"	3'-0"	4'-0"	4'-6"	5'-0"	6'-0"	4'-6"	5'-6"

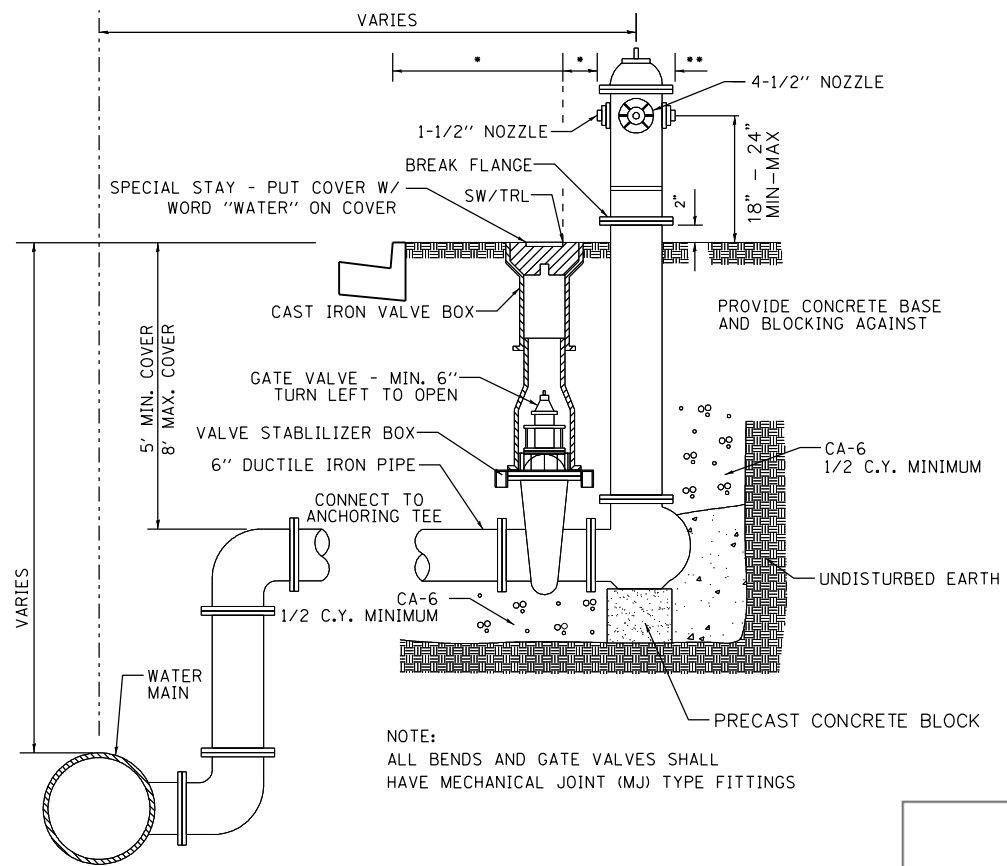
THRUST BLOCK NOTES:

- ALL BLOCKING SHALL BE CONSTRUCTED WITH POURED CL. X CONCRETE AGAINST UNDISTURBED VERTICAL EARTH FACE WITH A MINIMUM WIDTH OF 12 INCHES.
- THRUST BLOCKS MUST BE USED AT ALL BENDS 11° DEGREES OR GREATER. RESTRAINED JOINT PIPE MAY BE USED AS AN ALTERNATIVE TO CONCRETE THRUST BLOCKS WHEN APPROVED BY THE ENGINEER. THE CONTRACTOR MUST SUBMIT RESTRAINED JOINT LENGTHS WITH CALCULATIONS WHERE RESTRAINED JOINT PIPE IS TO BE USED. THE CALCULATIONS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- ALL PIPE PLACED UNDER PAVED ROADWAY MUST BE RESTRAINED JOINT PIPE. TRUST BLOCKING SHALL NOT BE REQUIRED IN THESE AREAS.
- TEST PRESSURE SHALL BE 150 PSI.

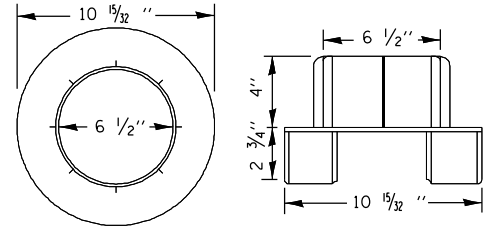
WATER MAIN THRUST BLOCKS

FILE NAME = D160F05-SHT-WATER09.dgn	USER NAME = Anthony.Plutz	DESIGNED - DF	REVISED -
		DRAWN - DF	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED - TDW	REVISED -
SHT.PLAN	PLOT DATE = 3/9/2013	DATE - 03/13/13	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	364
WT-09		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



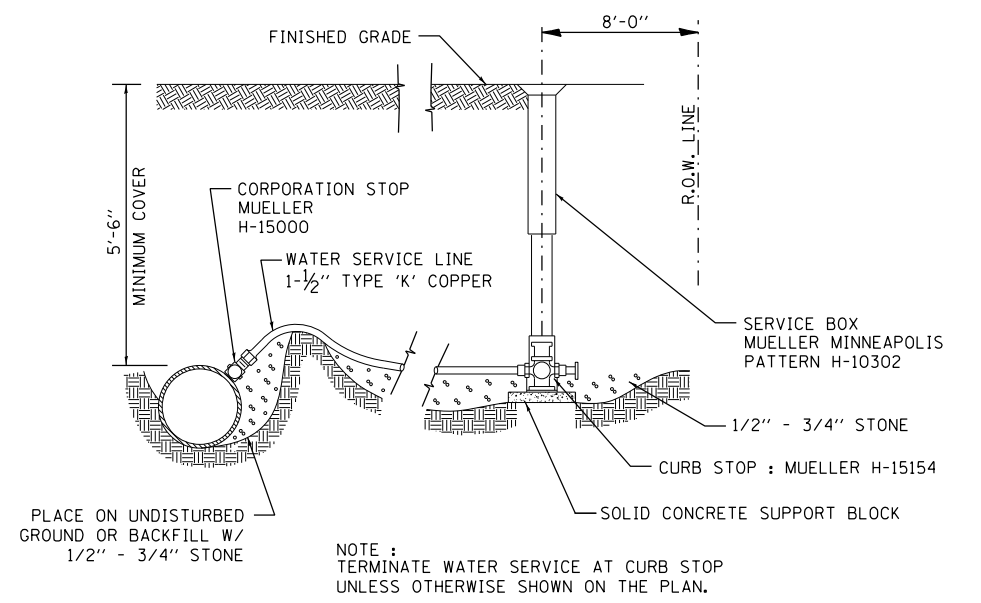
HYDRANT - (E.J.I.W. WATERMASTER 5BR250)
 PAINTED SAFETY YELLOW
 BREAKABLE FLANGE AND COUPLING
 2 - 2 1/2" AND 1 - 4 1/2" HOSE NOZZLE ALL
 WITH NATIONAL STANDARD THREADS



VALVE STABILIZER DETAIL

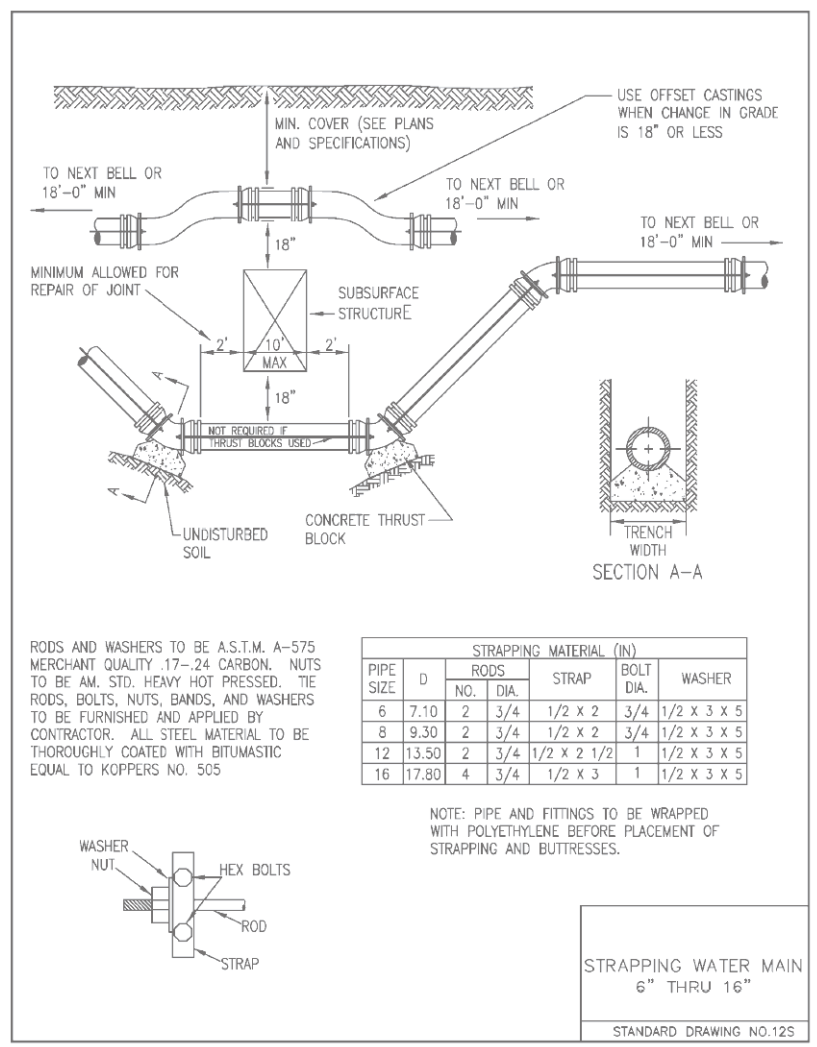
- CONTRACTOR MUST ENSURE HYDRANT WILL BE 2' MINIMUM FROM PROPOSED FACE OF ROADWAY CURB AND 6" MINIMUM FROM SIDEWALK/TRAIL.
- FIRE HYDRANTS MAY BE PLACED IMMEDIATELY ADJACENT TO THE ROADWAY R.O.W. IF ALL CLEARANCES ARE MET.

HYDRANT INSTALLATION



NOTE:
 TERMINATE WATER SERVICE AT CURB STOP
 UNLESS OTHERWISE SHOWN ON THE PLAN.

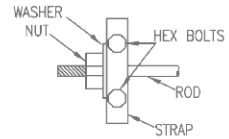
WATER SERVICE CONNECTION (SMALLER THAN 2-INCHES)



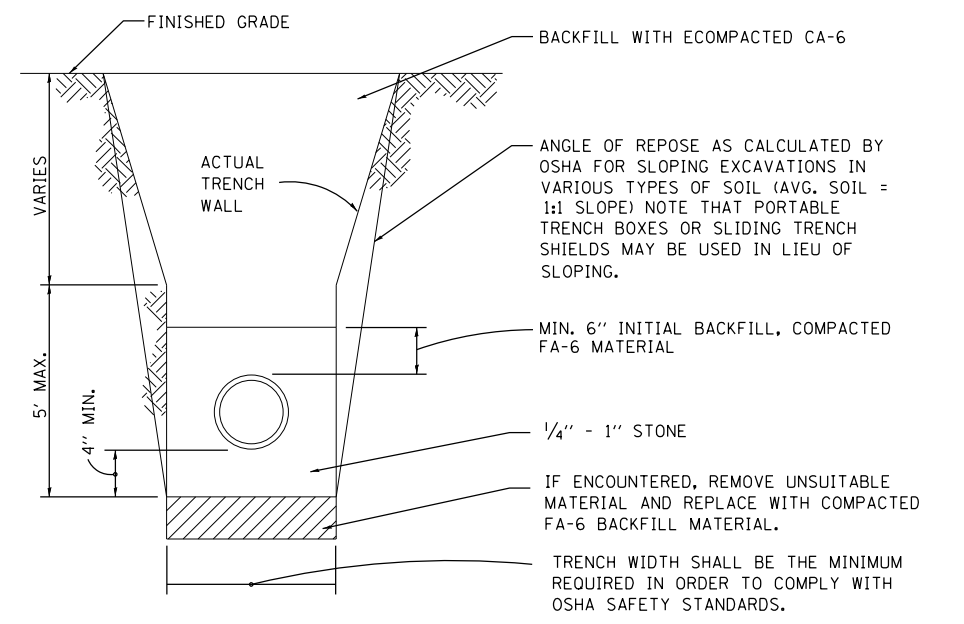
RODS AND WASHERS TO BE A.S.T.M. A-575 MERCHANT QUALITY 17-24 CARBON. NUTS TO BE AM. STD. HEAVY HOT PRESSED. THE RODS, BOLTS, NUTS, BANDS, AND WASHERS TO BE FURNISHED AND APPLIED BY CONTRACTOR. ALL STEEL MATERIAL TO BE THOROUGHLY COATED WITH BITUMASTIC EQUAL TO KOPPERS NO. 505

PIPE SIZE	D	STRAPPING MATERIAL (IN)			
		RODS NO.	RODS DIA.	STRAP	BOLT DIA.
6	7.10	2	3/4	1/2 x 2	3/4
8	9.30	2	3/4	1/2 x 2	3/4
12	13.50	2	3/4	1/2 x 2 1/2	1
16	17.80	4	3/4	1/2 x 3	1

NOTE: PIPE AND FITTINGS TO BE WRAPPED WITH POLYETHYLENE BEFORE PLACEMENT OF STRAPPING AND BUTTRESSES.



STRAPPING WATER MAIN
 6" THRU 16"
 STANDARD DRAWING NO.125



WATER MAIN TRENCH

URS
 100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998

FILE NAME = D160F05-SHT-WATERI0.dgn	USER NAME = Anthony.Plutz	DESIGNED - DF	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TDW	DRAWN - DF	REVISED -
PLOT DATE = 3/9/2013	DATE - 03/13/13		REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS			
SCALE: NO SCALE	SHEET 10 OF 10	SHEETS STA.	TO STA.

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 365
WT-10		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

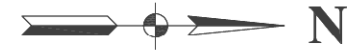
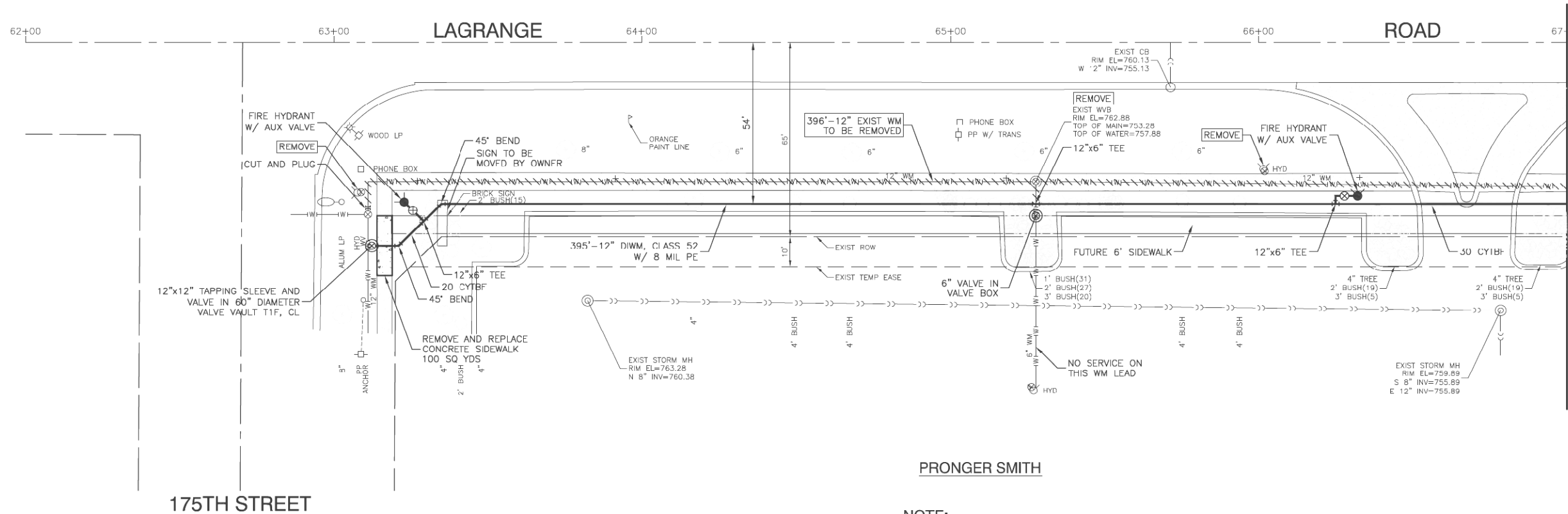
VILLAGE OF TINLEY PARK IDOT

NO.	ITEM DESCRIPTION	UNIT	TOTAL	63+00 TO 69+31	69+31 TO 75+92
1	EIGHT INCH CUT AND CAP	EACH	2	1	1
2	TWELVE INCH CUT AND CAP	EACH	1	1	0
3	TWELVE INCH PLUG	EACH	1	0	1
4	DUCTILE IRON WATER MAIN, 6 INCH CLASS 52, WITH POLYETHYLENE ENCASEMENT, METHOD B	FOOT	20	15	5
5	DUCTILE IRON WATER MAIN, 8 INCH CLASS 52, WITH POLYETHYLENE ENCASEMENT, METHOD B	FOOT	40	20	20
6	DUCTILE IRON WATER MAIN, 12 INCH CLASS 52, WITH POLYETHYLENE ENCASEMENT, METHOD B	FOOT	1176	626	550
7	FIRE HYDRANTS TO BE REMOVED	EACH	4	2	2
8	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	5	3	2
9	6 INCH VALVE IN VALVE BOX	EACH	1	1	0
10	8 INCH X 8 INCH TAPPING SLEEVE AND VALVE IN 60 INCH DIAMETER VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	2	1	1
11	12 INCH X 12 INCH TAPPING SLEEVE AND VALVE IN 60 INCH DIAMETER VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
12	12 INCH BUTTERFLY VALVE IN 60 INCH VALVE VAULT, TYPE 1 FRAME AND CLOSED LID	EACH	1	0	1
13	REMOVE EXISTING WATER MAIN 12 INCH	FOOT	1176	626	550
14	ABANDON VALVE BOX	EACH	1	0	1
15	FIRE HYDRANT TO BE REMOVED AND SALVAGED	EACH	4	2	2
16	VALVE BASIN TO BE REMOVED	EACH	4	3	1
17	TRENCH BACKFILL	CU YD	87	50	37
18	DUCTILE IRON FITTINGS	POUND	1426	962	464
19	PCC SIDEWALK REMOVAL & REPLACEMENT	SQ FT	100	100	0
20	WATER SERVICE CONNECTION, 1.5" COMPLETE	EACH	1	1	0

WATER MAIN RELOCATION PLANS, SHEETS 1-5,
PREPARED UNDER MY DIRECT SUPERVISION.

Christopher J. King
 67-12871
 REGISTERED
 PROFESSIONAL
 ENGINEER
 STATE OF ILLINOIS
 LICENSE EXPIRES: 11/30/13

FILE NAME = 12600-QUAN-01 - IDOT P01	USER NAME =	DESIGNED - CJK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LAGRANGE ROAD WATER MAIN REPLACEMENT SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			330	103R-3	COOK	932	366
	PLOT DATE =	DRAWN - RG	REVISED -			WM-01		CONTRACT NO. 60F05		
		DATE - 03/13/13	REVISED -			SCALE: NONE	SHEET NO. 1 OF 5 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

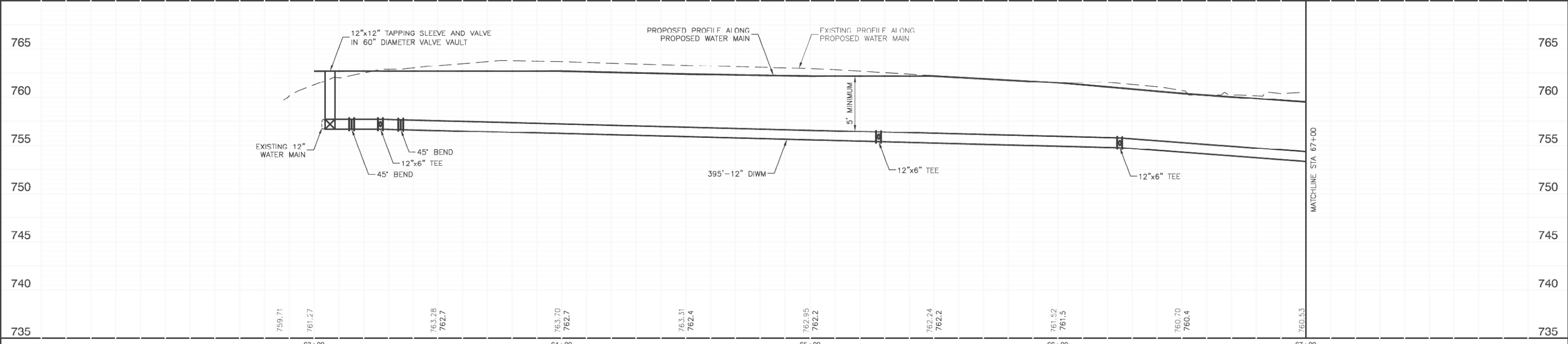


PRONGER SMITH

NOTE:
WATER SERVICE TO BUILDING IS OFF OF THE 12" WATER MAIN ON 175TH STREET, EAST SIDE OF BUILDING.

NOTES:

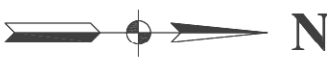
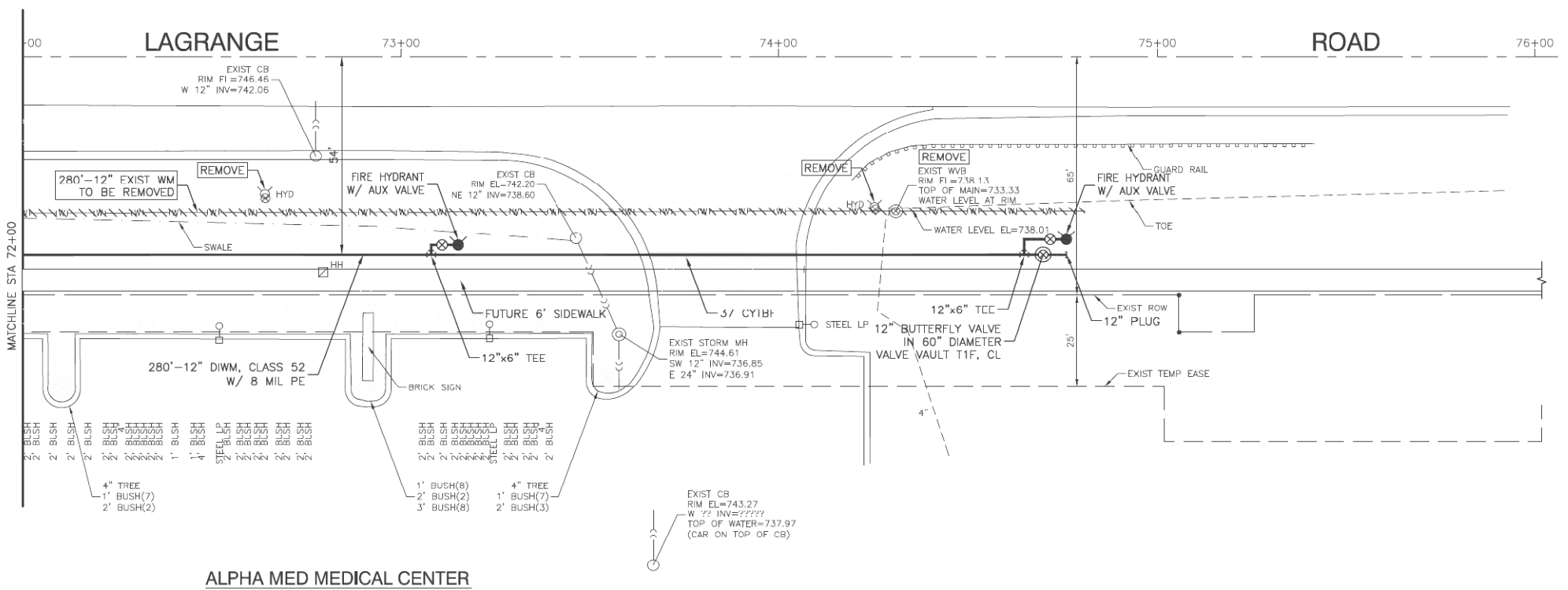
1. WATER SERVICE FOR THE MEDICAL CENTERS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL FIELD VERIFY ALL VALVES BOTH IN LOCATION AND OPERATION PRIOR TO COMMENCING WORK. ANY DISCREPANCY SHALL BE REPORTED TO THE SUPT. OF WATER, MR. TIM MORRIS, AT 708-444-5500.
2. WATER MAIN SHALL BE WRAPPED IN 8-MIL POLYETHYLENE ENCASUREMENT, METHOD B.
3. TOP OF WATER MAIN TO BE MINIMUM 5 FEET BELOW GRADE.
4. (X.X CYTBF) CUBIC YARDS TRENCH BACK FILL



DATE	BY
SURVEYED	CHECKED
PLOTTED	REVISIONS
NOTE BOOK	CADD FILE NAME

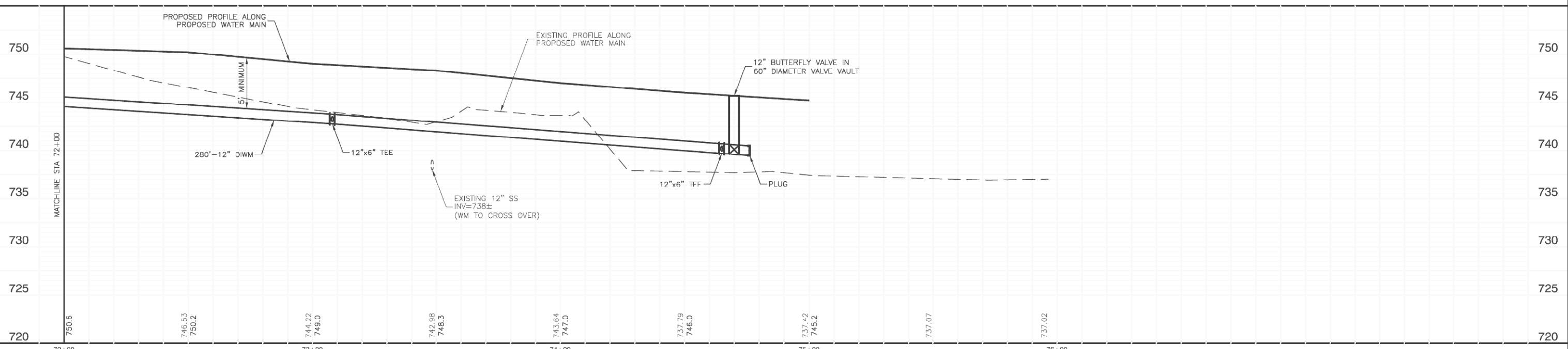
DATE	BY
SURVEYED	CHECKED
PLOTTED	REVISIONS
NOTE BOOK	CADD FILE NAME

FILE NAME = 12600-PLPR-01 - IDOT PLPR01	USER NAME =	DESIGNED - CJK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LAGRANGE ROAD WATER MAIN REPLACEMENT PROPOSED PLAN & PROFILE	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 367	
PLOT SCALE =	DRAWN = RG	REVISED =	SCALE: H 1"=20' V 1"=5'			SHEET NO. 2 OF 5 SHEETS	STA. 63+06.46 TO STA. 67+00	WM-02		CONTRACT NO. 60F05	
PLOT DATE =	DATE = 03/13/13	REVISED =				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			



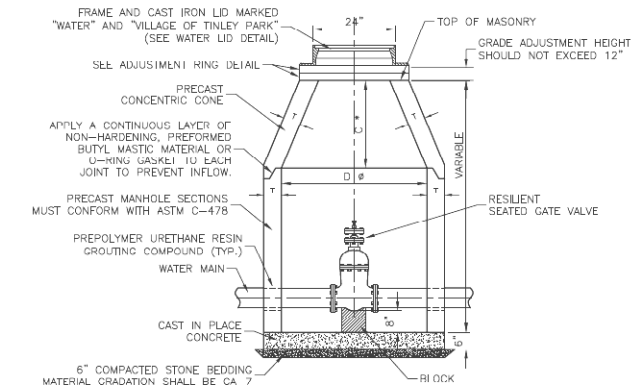
NOTES:

1. WATER SERVICE FOR THE MEDICAL CENTERS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL FIELD VERIFY ALL VALVES BOTH IN LOCATION AND OPERATION PRIOR TO COMMENCING WORK. ANY DISCREPANCY SHALL BE REPORTED TO THE SUPT. OF WATER, MR. TIM MORRIS, AT 708-444-5500.
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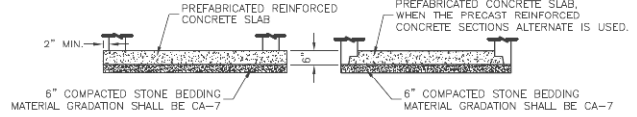
DATE	
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PLANNED	
CADD FILE NAME	

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
PLANNED	
CADD FILE NAME	



ALTERNATE MATERIALS FOR WALLS	D	C	T
PRECAST REINFORCED CONCRETE SECTION	4'-0"	2'-6"	4"
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	6"

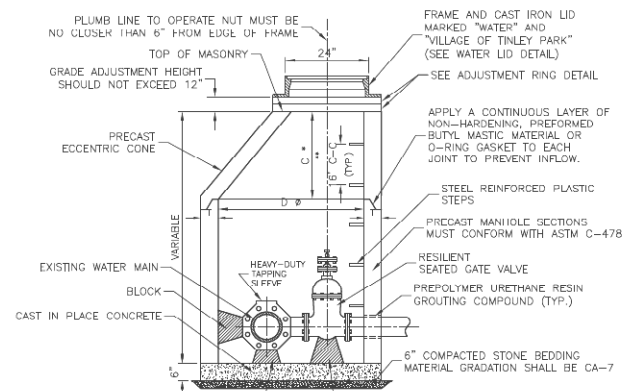
* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTION MAY VARY FROM THE DIMENSION GIVEN ± 0 "



ALTERNATE BOTTOM SLAB

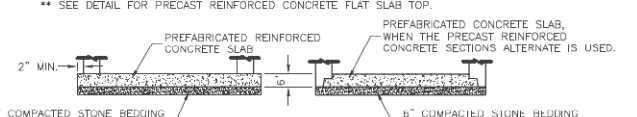
- NOTES:
1. CONCENTRIC CONE REQUIRED (VALVE TO ALIGN W/ CENTER OF FRAME OPENING).
 2. USE 4'-0" FOR WATER MAIN SIZES 10" AND UNDER, 5'-0" FOR SIZES 12" AND ABOVE.
 3. VALVE VAULT TO CONFORM TO ASTM C-478.
 4. ALL VALVES SHALL HAVE STAINLESS STEEL BOLTS AND NUTS.
 5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 6. PROVIDE CA-7 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

VALVE IN VAULT DETAIL



ALTERNATE MATERIALS FOR WALLS	D	C	T
PRECAST REINFORCED CONCRETE SECTION	5'-0"	3'-9"	5"
CAST-IN-PLACE CONCRETE	5'-0"	3'-9"	6"

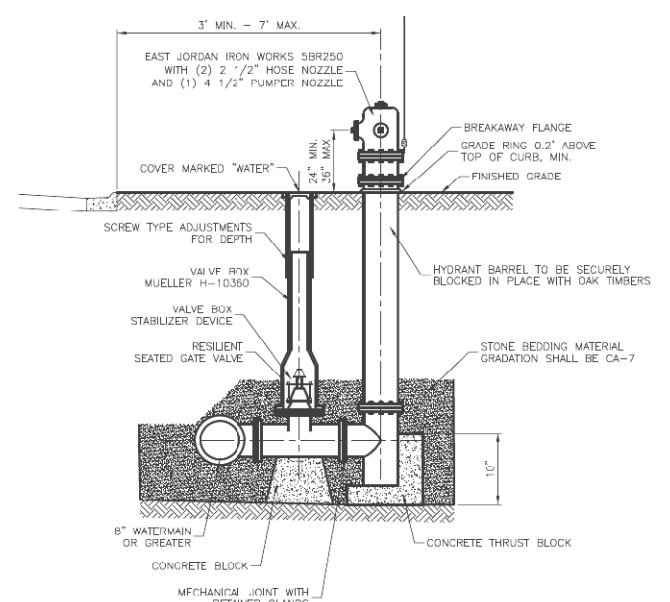
* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTION MAY VARY FROM THE DIMENSION GIVEN ± 0 "



ALTERNATE BOTTOM SLAB

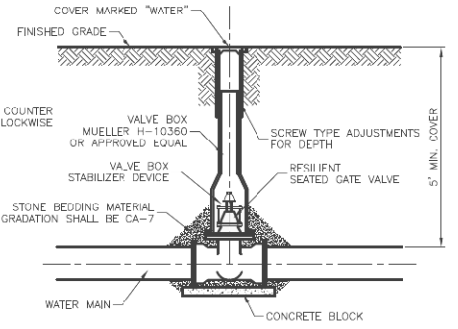
- NOTES:
1. VALVE TO ALIGN W/ CENTER OF FRAME OPENING.
 2. USE 4'-0" FOR WATER MAIN SIZES 10" AND UNDER, 5'-0" FOR SIZES 12" AND ABOVE.
 3. VALVE VAULT TO CONFORM TO ASTM C-478.
 4. ALL VALVES SHALL HAVE STAINLESS STEEL BOLTS AND NUTS.
 5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 6. PROVIDE CA-7 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

VALVE IN VAULT DETAIL FOR PRESSURE CONNECTION



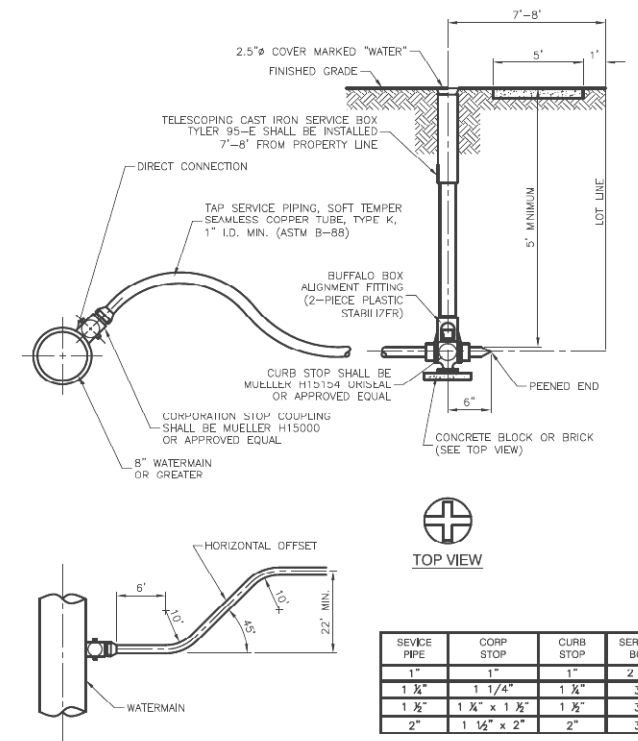
- NOTES:
1. HYDRANTS SHALL BE INSTALLED FACING TOWARD THE CURB. NO HYDRANT SHALL BE INSTALLED WITHIN 48" OF ANY OBSTRUCTION NOR SHALL ANY OBSTRUCTION BE PLACED WITHIN 48" OF A HYDRANT. ALL HYDRANTS SHALL BE PAINTED SAFETY YELLOW BY THE MANUFACTURER.
 2. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 3. HYDRANT DRAIN HOLE SHALL BE FREE OF CONCRETE.

FIRE HYDRANT INSTALLATION



NOTE:
1. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.

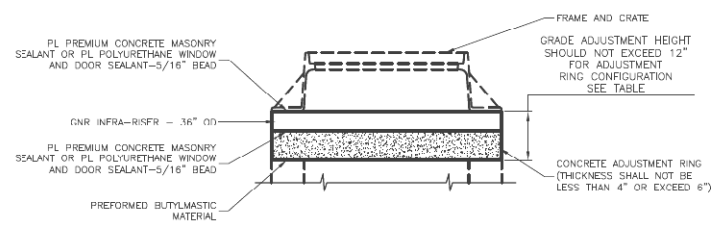
TYPICAL VALVE IN BOX INSTALLATION



SERVICE PIPE	CORB STOP	CURB STOP	SERVICE BOX
1"	1"	1"	2 1/2"
1 1/2"	1 1/4"	1 1/4"	3"
2"	1 1/2" x 1 1/2"	1 1/2"	3"

NOTE:
1. BUFFALO BOX ON WATER SERVICE LINES SHALL BE INSTALLED IN THE CENTER OF THE LOT, 7'-8" FROM PROPERTY LINE, AND NEVER IN SIDEWALK OR DRIVEWAY. VALVE SHALL BE MINNEAPOLIS STYLE.

TYPICAL WATER SERVICE INSTALLATION

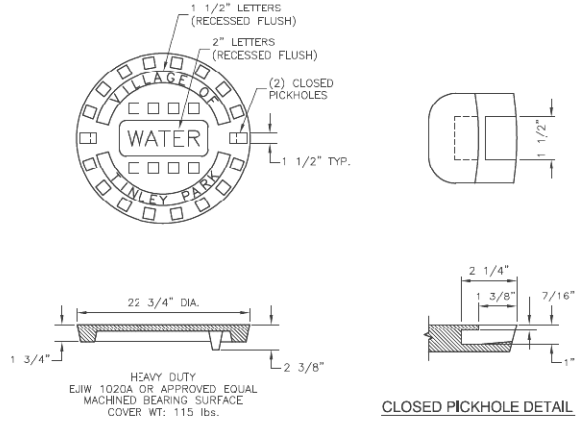


ADJUSTMENT RING TABLE

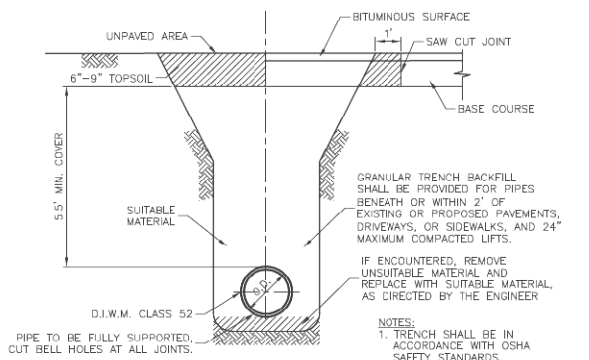
ADJUSTMENT HEIGHT	CONCRETE	RUBBER
0"	-	-
1"	-	1"
2"	-	2"
3"	-	3"
4"	4"	-
5"	4" 1"	-
6"	4" 2"	-
7"	4" 3"	-
8"	4" 4"	-
9"	6"	3"
10"	4" 4"	2"
11"	4" 4"	3"
12"	6" 4"	2"

NOTE:
GRADE ADJUSTMENT HEIGHT SHOULD NOT EXCEED 12"

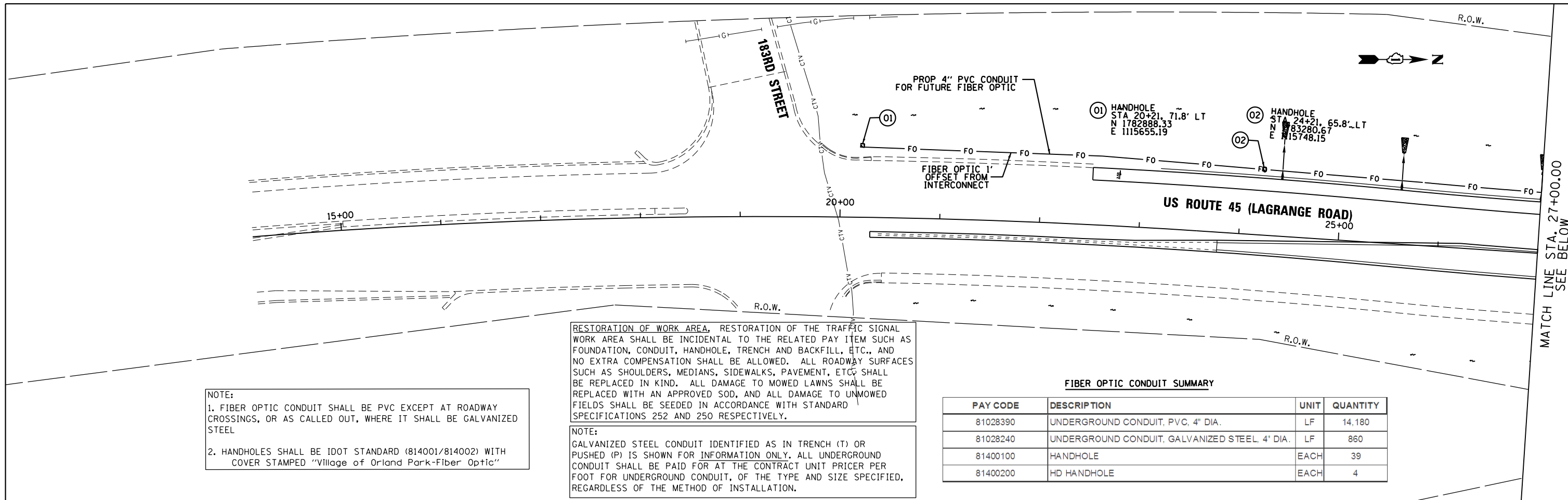
ADJUSTMENT RING DETAIL



SPECIAL LETTERED WATER VALVE VAULT LID



TRENCH BACKFILL DETAIL FOR WATERMAIN



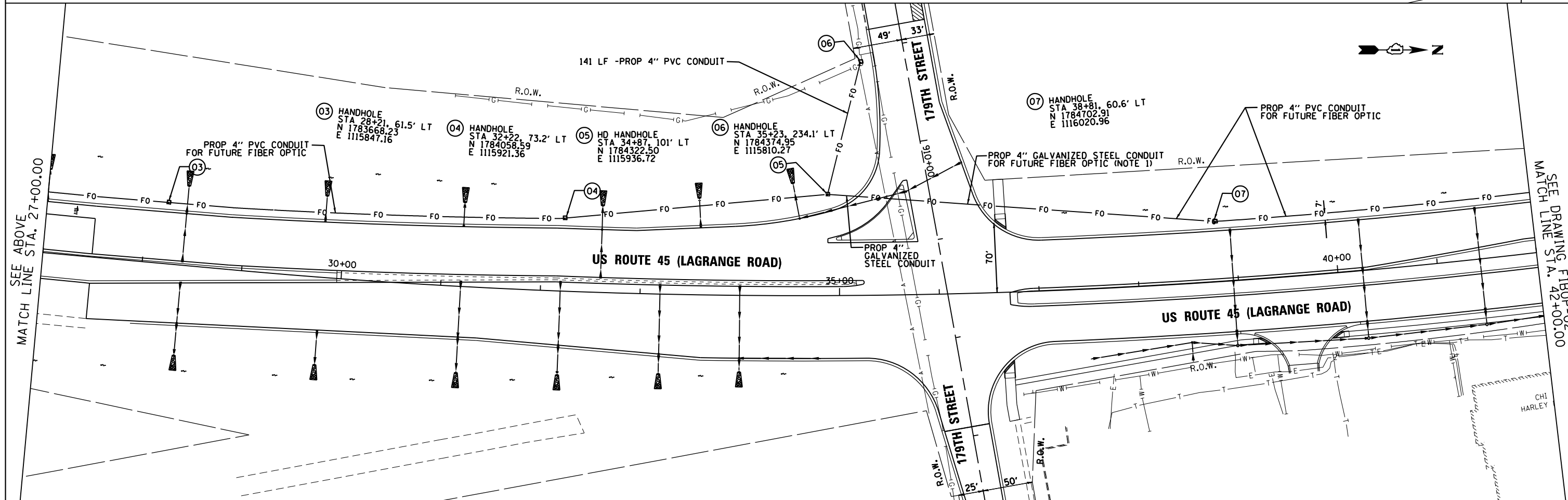
NOTE:
 1. FIBER OPTIC CONDUIT SHALL BE PVC EXCEPT AT ROADWAY CROSSINGS, OR AS CALLED OUT, WHERE IT SHALL BE GALVANIZED STEEL
 2. HANDHOLES SHALL BE IDOT STANDARD (814001/814002) WITH COVER STAMPED "Village of Orland Park-Fiber Optic"

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
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FIBER OPTIC CONDUIT SUMMARY

PAY CODE	DESCRIPTION	UNIT	QUANTITY
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	LF	14,180
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	LF	860
81400100	HANDHOLE	EACH	39
81400200	HD HANDHOLE	EACH	4



100 S. WACKER DR.
 10TH FLOOR
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998



FILE NAME = D160F05-SHT-FIBOP01.dgn	USER NAME = Anthony.Plutz	DESIGNED - BA	REVISED -
SHT_DOUBLE PLAN	PLOT SCALE = 100.000000' / in.	DRAWN - BA	REVISED -
D160F05-SHT-FIBOP01.dgn 3/12/2013 3:22:45 PM	PLOT DATE = 3/12/2013	CHECKED - MJT	REVISED -
	DATE = 03/13/13	REVISIONS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

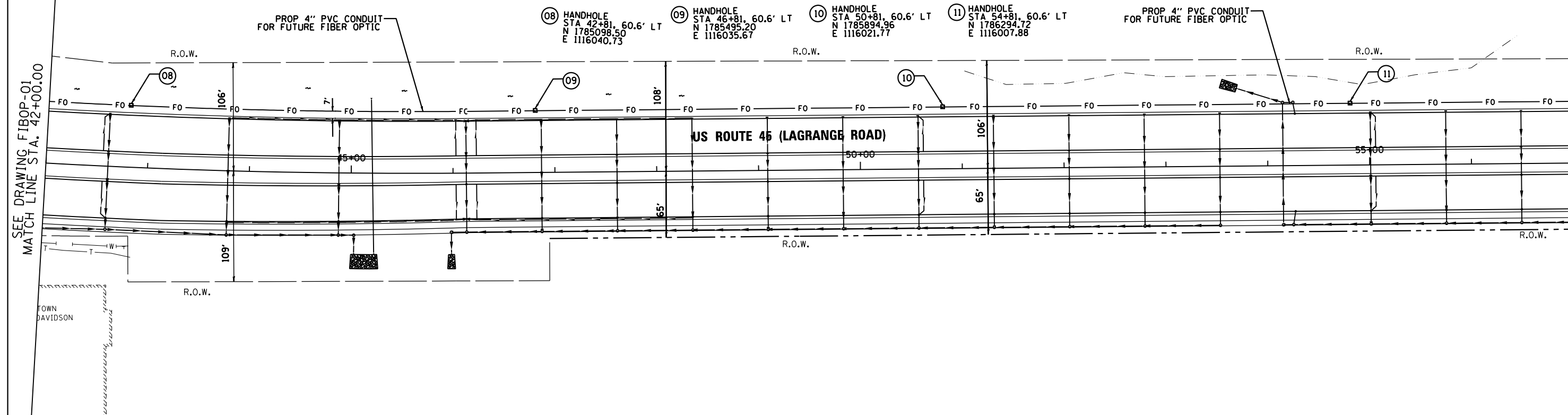
PROPOSED FIBER OPTIC CONDUIT
 US 45 (LAGRANGE ROAD)
 FROM 183RD STREET TO 159TH STREET
 SCALE: 1"=50'
 SHEET 1 OF 6 SHEETS STA. BEGIN TO STA. 42+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	371
FIBOP-01		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE DRAWING FIBOP-01
MATCH LINE STA. 42+00.00

MATCH LINE STA. 57+00.00
SEE BELOW



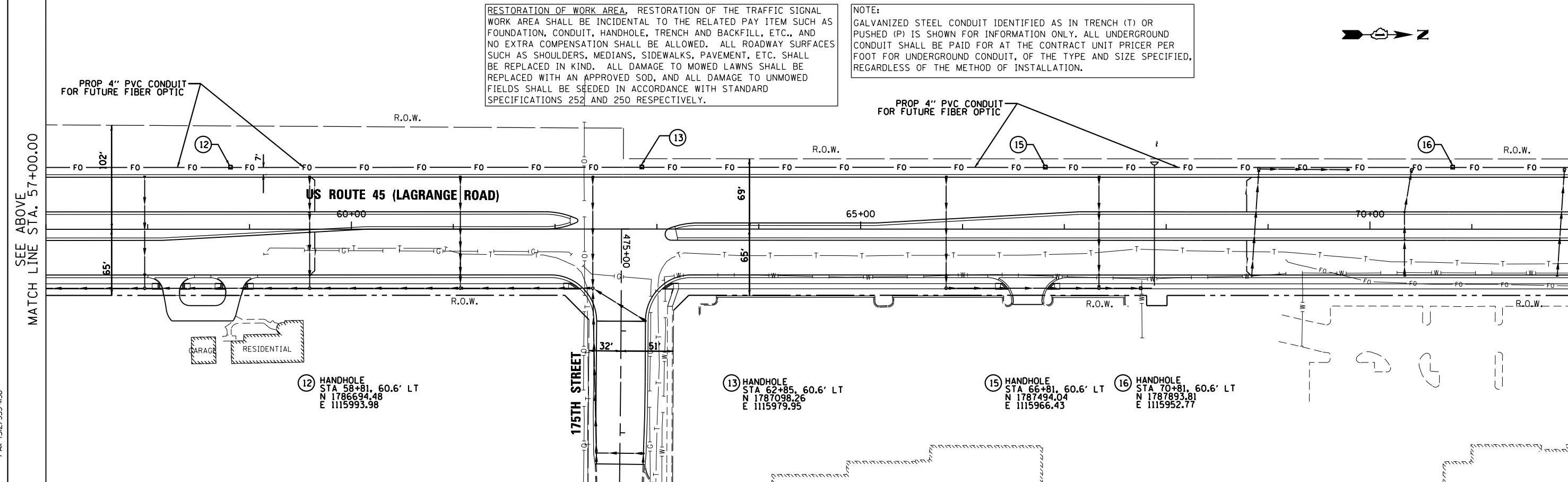
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
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SEE ABOVE
MATCH LINE STA. 57+00.00

MATCH LINE STA. 72+00.00
SEE DRAWING FIBOP-03



100 S. WACKER DR.
SUITE 600
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

FILE NAME = D:\160F05-SHT-FIBOP02.dgn

SHT_DOUBLE PLAN

DT160F05-SHT-FIBOP02.dgn 3/12/2013 3:22:46 PM

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	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CONDUIT
US 45 (LAGRANGE ROAD)
FROM 183RD STREET TO 159TH STREET

SCALE: 1"=50'

SHEET 2 OF 6 SHEETS

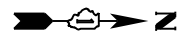
STA. 42+00.00 TO STA. 72+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 372
FIBOP-02		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

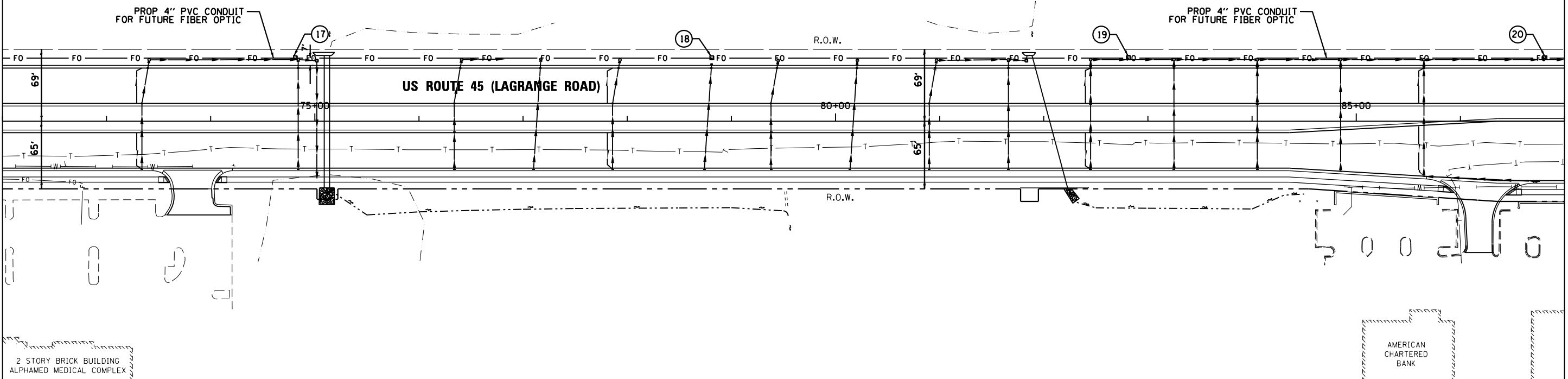
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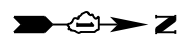
- ⑰ HANDHOLE
STA 74+81, 60.6' LT
N 1788293.58
E 1115939.12
- ⑱ HANDHOLE
STA 78+81, 60.6' LT
N 1788693.34
E 1115925.46
- ⑲ HANDHOLE
STA 82+81, 60.6' LT
N 1789093.11
E 1115911.81
- ⑳ HANDHOLE
STA 86+81, 60.6' LT
N 1789492.88
E 1115898.15



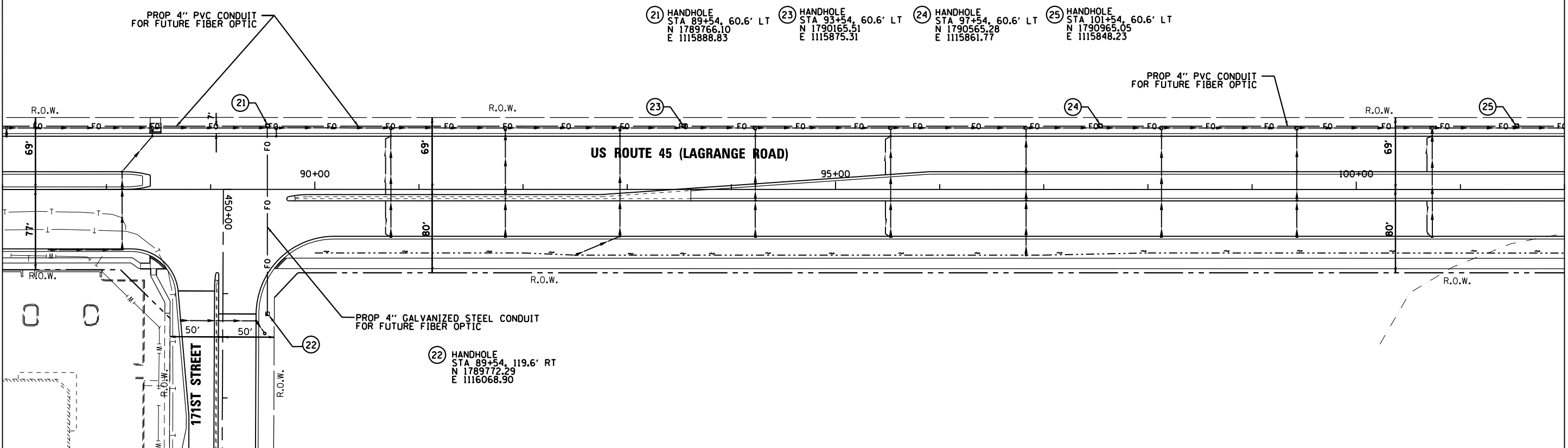
SEE DRAWING FIBOP-02
MATCH LINE STA. 72+00.00



MATCH LINE STA. 87+00.00
SEE BELOW



SEE ABOVE
MATCH LINE STA. 87+00.00



MATCH LINE STA. 102+00.00
SEE DRAWING FIBOP-04

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CHICAGO, IL 60606
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PROPOSED FIBER OPTIC CONDUIT US 45 (LAGRANGE ROAD) FROM 183RD STREET TO 159TH STREET			
SCALE: 1"=50'	SHEET 3 OF 6 SHEETS	STA. 72+00.00 TO STA. 102+00.00	

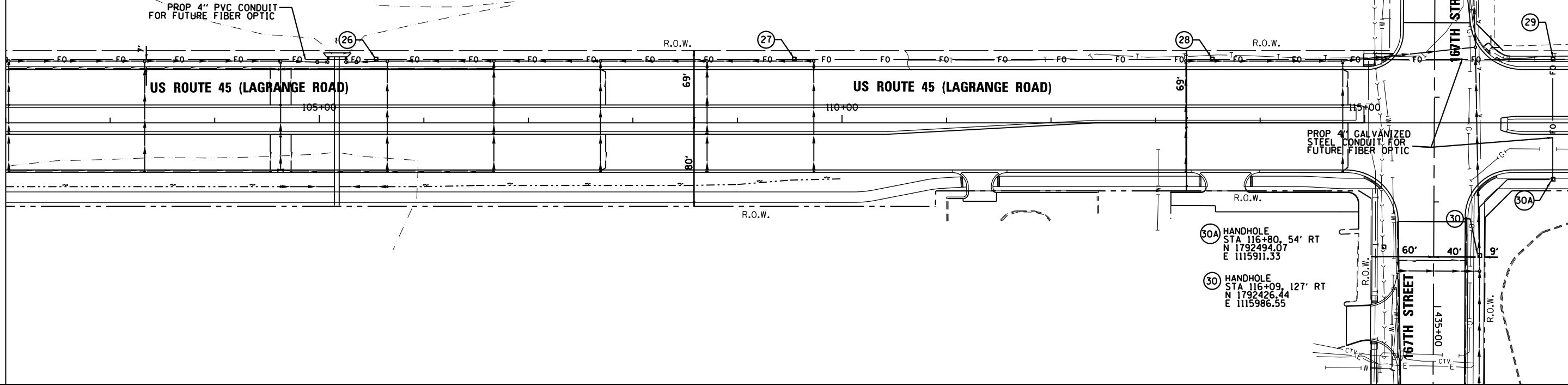
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	373
FIBOP-03		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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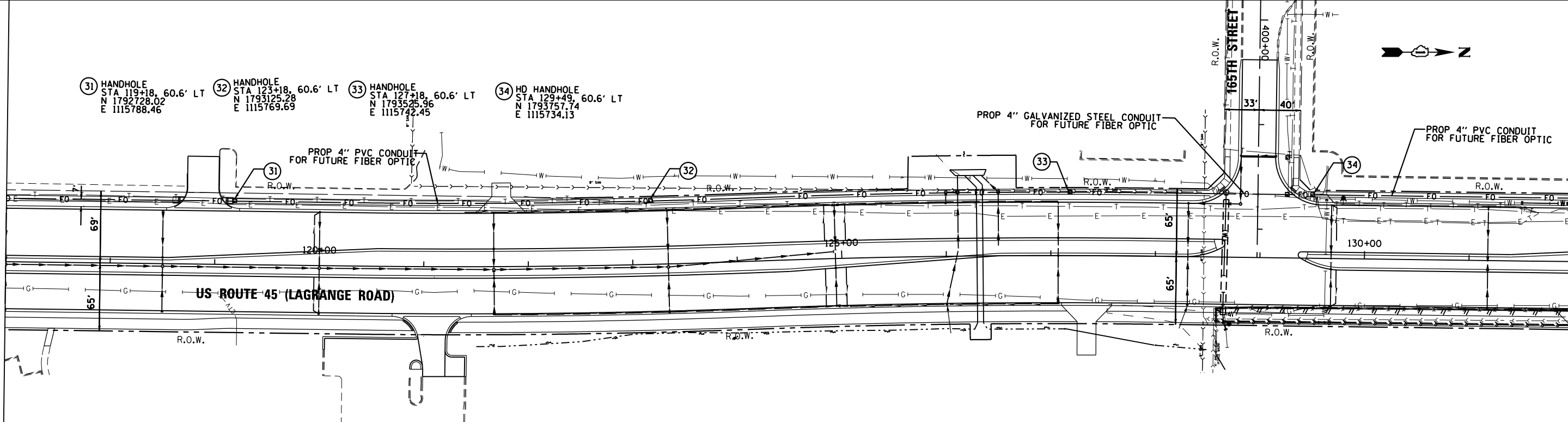
- (26) HANDHOLE STA 105+54, 60.6' LT
N 1791364.82
E 1115834.70
- (27) HANDHOLE STA 109+54, 60.6' LT
N 1791764.59
E 1115821.16
- (28) HANDHOLE STA 113+54, 60.6' LT
N 1792164.36
E 1115807.62
- (29) HANDHOLE STA 116+80, 60.6' LT
N 1792490.16
E 1115796.57

SEE DRAWING FIBOP-03
MATCH LINE STA. 102+00.00



MATCH LINE STA. 117+00.00
SEE BELOW

SEE ABOVE
MATCH LINE STA. 117+00.00



MATCH LINE STA. 132+00.00
SEE DRAWING FIBOP-05

100 S. WACKER DR.
1000 S.W. 7TH ST.
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4998

URS

FILE NAME = D160F05-SHT-FIBOP04.dgn	USER NAME = Anthony.Plutz	DESIGNED - BA	REVISED -
PLOT SCALE = 1/8"=1'-0"	CHECKED - MJT	DRAWN - BA	REVISED -
PLOT DATE = 3/12/2013	DATE - 03/13/13		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

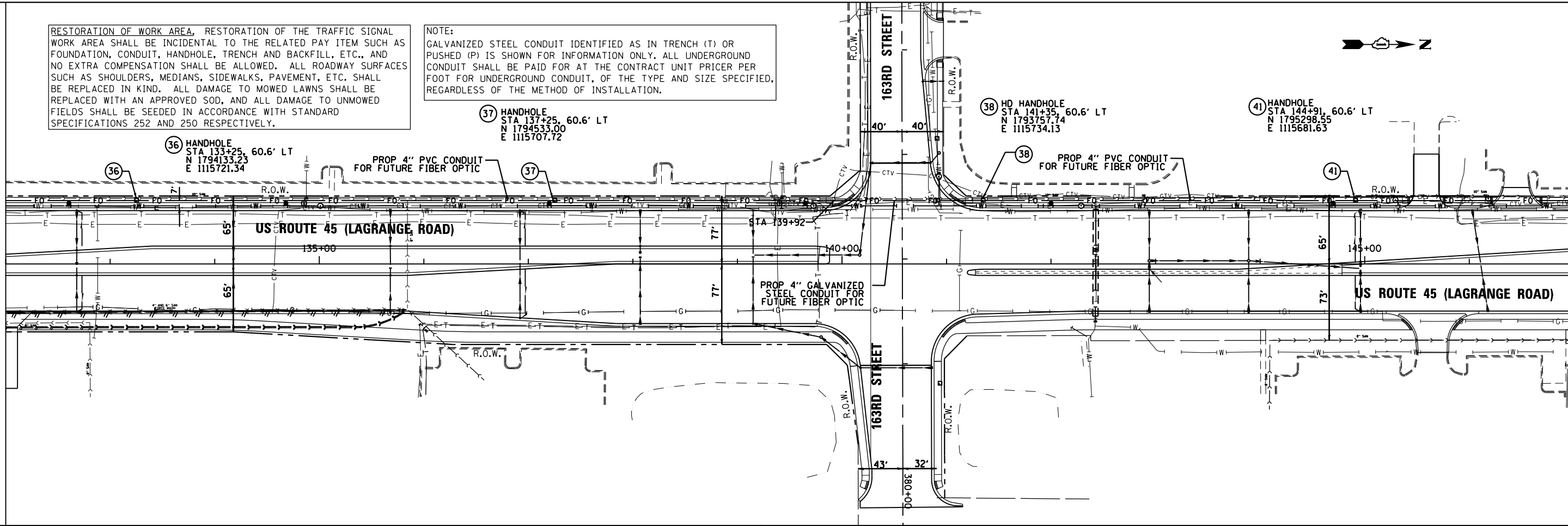
PROPOSED FIBER OPTIC CONDUIT US 45 (LAGRANGE ROAD) FROM 183RD STREET TO 159TH STREET	
SCALE: 1"=50'	SHEET 4 OF 6 SHEETS
STA. 102+00.00 TO STA. 132+00.00	

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 374
FIBOP-04		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

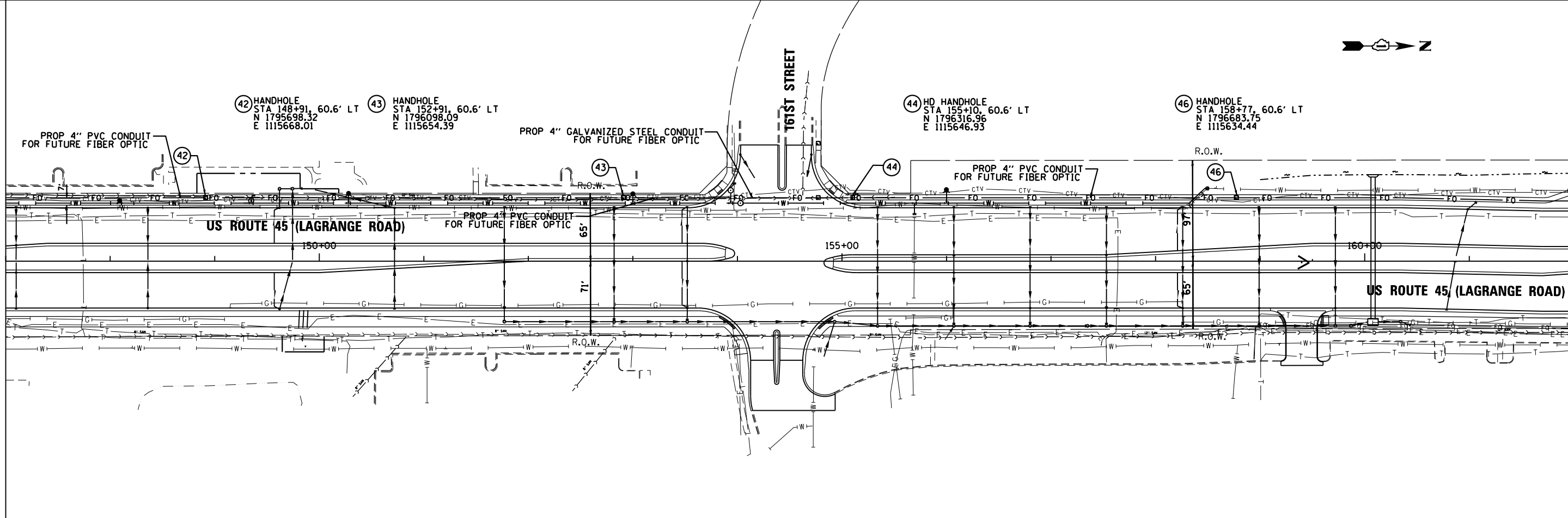
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SEE DRAWING FIBOP-04
MATCH LINE STA. 132+00.00



MATCH LINE STA. 147+00.00
SEE BELOW

SEE ABOVE
MATCH LINE STA. 147+00.00



MATCH LINE STA. 162+00.00
SEE DRAWING FIBOP-06



FILE NAME = D:\160F05-SHT-FIBOP05.dgn
SHT_DOUBLE PLAN
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PLOT DATE = 3/12/2013	CHECKED - MJT	REVISED -
	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CONDUIT
US 45 (LAGRANGE ROAD)
FROM 183RD STREET TO 159TH STREET
SCALE: 1"=50'
SHEET 5 OF 6 SHEETS
STA. 132+00.00 TO STA. 162+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 375
FIBOP-05		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



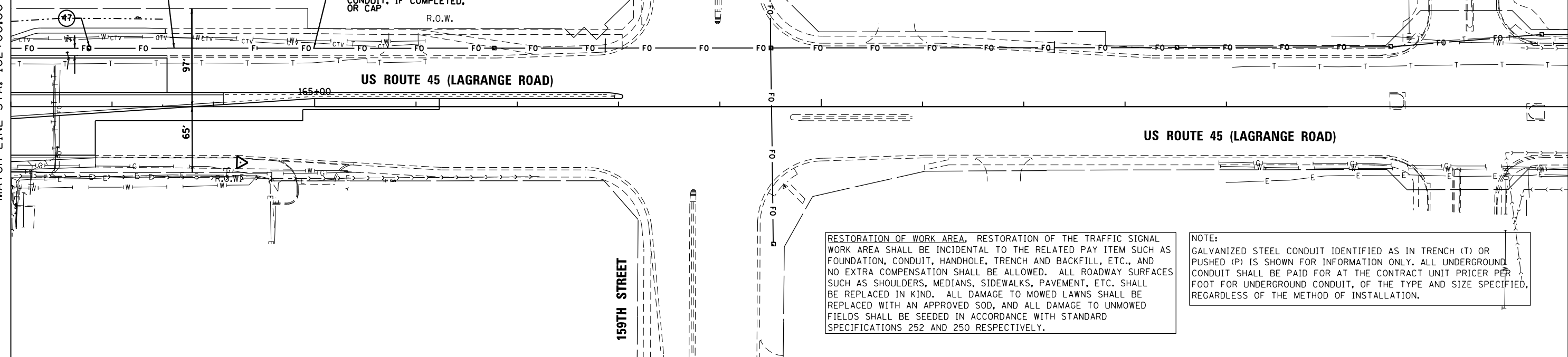
47 HANDHOLE
 STA 162+77, 57.6' LT
 N 1797083.62
 E 1115623.81

PROP 4" PVC CONDUIT
 FOR FUTURE FIBER OPTIC

STA 165+00
 END SEGMENT 1 CONTRACT
 CONNECT TO SEGMENT 2
 CONDUIT. IF COMPLETED,
 OR CAP

R.O.W.

SEE DRAWING FIBOP-05
 MATCH LINE STA. 162+00.00



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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 SUITE 600
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		DRAWN - BA	REVISED -
	PLOT SCALE = 100.000000' / in.	CHECKED - MJT	REVISED -
SHT_DOUBLE PLAN	PLOT DATE = 3/12/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CONDUIT
 US 45 (LAGRANGE ROAD)
 FROM 183RD STREET TO 159TH STREET**

SCALE: 1"=50' SHEET 6 OF 6 SHEETS STA. 162+00.00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	376
FIBOP-06			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SANITARY FORCEMAIN NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST OR SPECIFIED EDITIONS OF THE FOLLOWING STATE OF ILLINOIS STANDARD SPECIFICATIONS: "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", THE "METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO SEWER PERMIT ORDINANCE", THE "VILLAGE OF ORLAND PARK LAND DEVELOPMENT CODE", AND THE DETAILS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE FOREGOING STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT . INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.
- ALL FORCE MAINS SHALL BE LAID AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED FROM THE OUTSIDE OF PIPE TO OUTSIDE OF PIPE. ALL SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18-INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE FORCE MAIN.
- ALL SANITARY FORCE MAIN SHALL BE PVC SDR 21 MEETING ASTM STANDARD 2241. PVC PIPE JOINTS SHALL BE SOLVENT CEMENTED JOINTS PER ASTM D 2672 OR FLEXIBLE ELASTOMERIC SEALS PER ASTM D 3212 AND F 477.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, FORCE MAINS, GAS LINES, PIPELINES, ETC. SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND THE OWNER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND LOCATE THEIR FACILITIES PRIOR TO ANY WORK.
- RECORD DRAWINGS FOR THE CONSTRUCTED FORCE MAINS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE VILLAGE OF ORLAND PARK UPON THE PROJECT COMPLETION. ANY VARIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE INDICATED ON THE RECORD DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND OPERATOR OF THE DAMAGED UTILITY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE COMMENCEMENT OF WORK BEGINS. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- SURFACE FEATURES THAT ARE DISTURBED DUE TO THE CONSTRUCTION OF FORCE MAINS, WHICH ARE NOT INCLUDED AS PART OF THE ROADWAY IMPROVEMENTS, SHALL BE RESTORED AND BE CONSIDERED INCIDENTAL TO THE FORCE MAIN WORK. RESTORATION THAT IS INCIDENTAL TO THE WATER MAIN WORK SHALL BE INCLUDED IN THE COSTS FOR THE FORCE MAIN WORK WITH NO ADDITIONAL COMPENSATION ALLOWED. RESTORATION OF SURFACE FEATURES SHALL INCLUDE, BUT NOT BE LIMITED TO, SODDING, SEEDING, REMOVAL AND RESTORATION OF PAVEMENT, REMOVAL AND RESTORATION OF SIDEWALK, REMOVAL AND RESTORATION OF CURB AND GUTTER, AND ANY OTHER ITEM THAT MUST BE DISTURBED TO INSTALL FORCE MAIN AS INDICATED IN THE PROJECT DOCUMENTS. RESTORATION WORK ITEMS THAT ARE CONSIDERED INCIDENTAL TO FORCE MAIN WORK SHALL BE PERFORMED PER THE REQUIREMENTS OF PROJECT DOCUMENTS.

SANITARY FORCE MAIN SCHEDULE

#	PAY ITEM	SHEETS	FROM STATION	TO STATION	DESCRIPTION	UNIT	QUANTITY
1		WT-02 & 03	128+58	135+85	FORCE MAIN 4"	LF	735
2	X0326747	WT-02 & 03	128+58	135+85	FORCE MAIN 6"	LF	735
3	X5610651	WT-02 & 03	128+58	135+85	FLOWABLE FILL	CYD	110

SANITARY FORCE MAIN LEGEND

PROPOSED FORCE MAIN	
PROPOSED WATER MAIN	
EXISTING WATER MAIN	
WATER MAIN TO BE ABANDONED	
EXISTING HYDRANT	
PROPOSED HYDRANT	
EXISTING WATER VAULT	
PROPOSED WATER VAULT	
EXISTING VALVE BOX	
EXISTING MANHOLE	
PROPOSED MANHOLE	
EXISTING CATCH BASIN	
PROPOSED CATCH BASIN	
PROPOSED INLET	
PROPOSED STORM SEWER	
EXISTING STORM SEWER	
EXISTING SANITARY SEWER	
PROPOSED UNDERDRAIN	
UTILITY TO BE REMOVED	
CULVERT	

100 S. WACKER DR.
 SUITE 500
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4198
URS

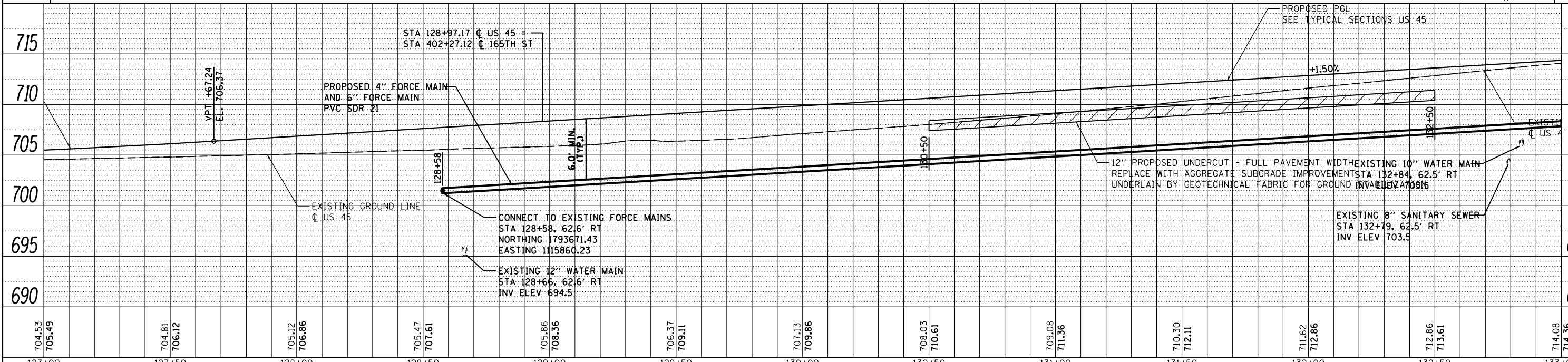
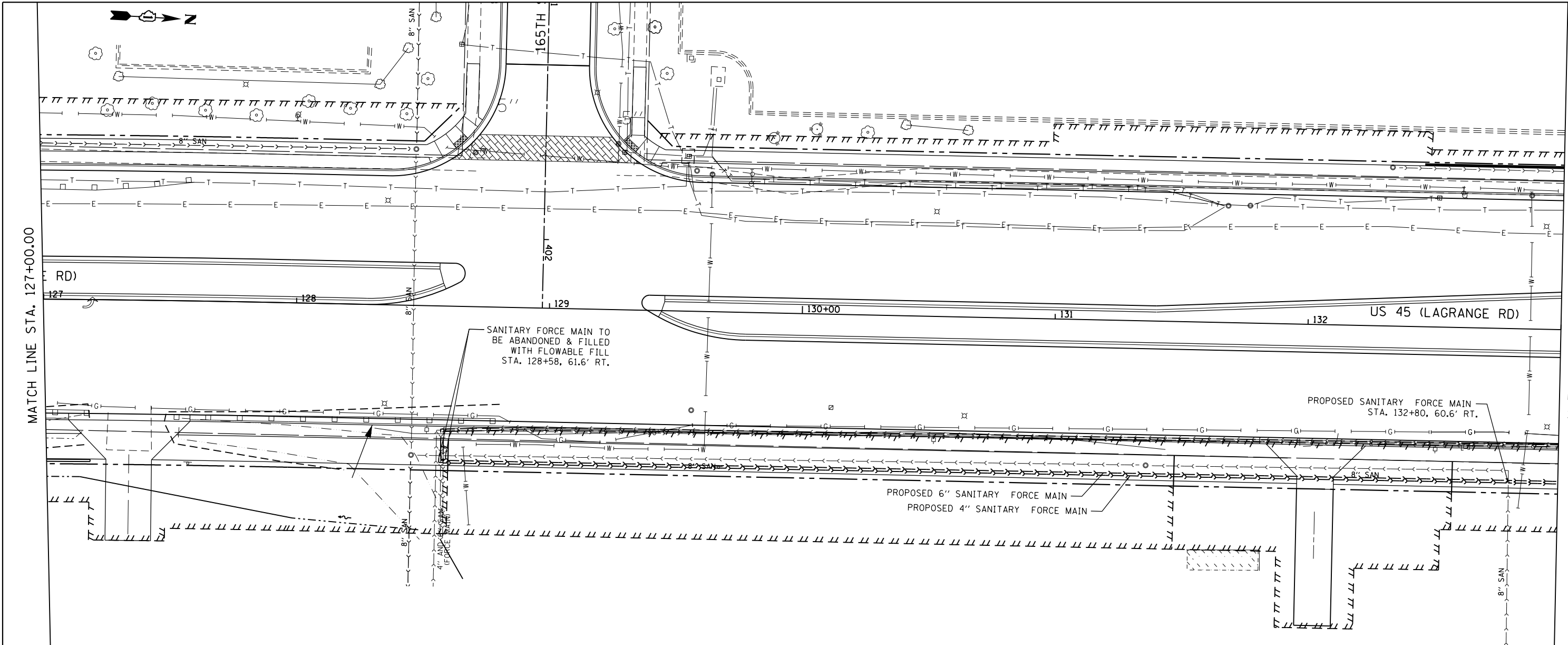
FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - MDB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SANITARY FORCE MAIN LEGEND, NOTES, AND SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D160F05-SHT-SAN01.dgn		DRAWN - MDB	REVISED -			330	103R-3	COOK	932	377	
SHT.PLAN		CHECKED - TDW	REVISED -			SAN-01		CONTRACT NO. 60F05			
D160F05-SHT-SAN01.dgn 3/12/2013 3:22:49 PM		DATE - 03/13/13	REVISED -			SCALE: NO SCALE	SHEET 1 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	BY	
	NO.	
	FILE NAME	

100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 939-4000
FAX (312) 939-4098

URS



704.53 705.49	704.81 706.12	705.12 706.86	705.47 707.61	705.86 708.36	706.37 709.11	707.13 709.86	708.03 710.61	709.08 711.36	710.30 712.11	711.62 712.86	712.86 713.61	714.08 714.36
127+00	127+50	128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00	132+50	133+00

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - MDB	REVISED -
D160F05-SHT-SAN02.dgn		DRAWN - MDB	REVISED -
		CHECKED - TDW	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SANITARY FORCE MAIN PLAN - US 45 (LAGRANGE ROAD)	
SCALE: 1"=20'H, 1"=5' V	SHEET 2 OF 3 SHEETS	STA. 127+00.00 TO STA. 133+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
330	103R-3	COOK	932
SAN-02		CONTRACT NO. 60F05	SHEET NO. 378

ILLINOIS FED. AID PROJECT

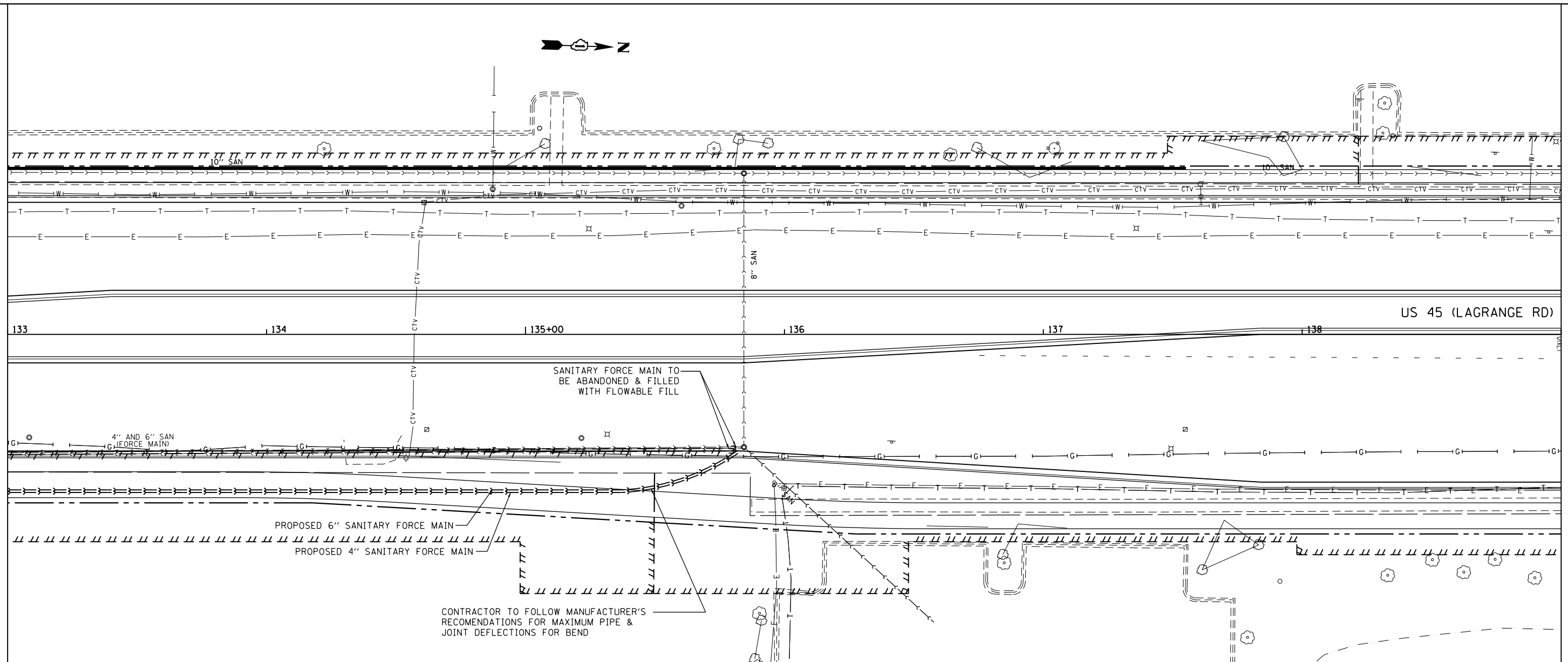
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D160F05-SHT-SAN02.dgn 3/12/2013 3:22:52 PM

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	FILE NAME	
	NO.	

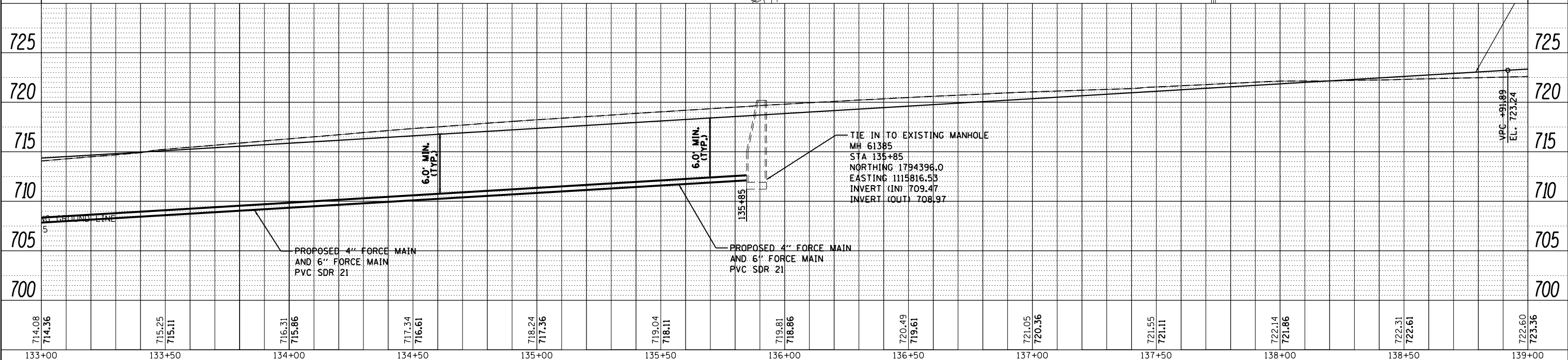
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHPND	
	NO.	

100 S. WACKER DR.
SUITE 500
CHICAGO, IL 60606
TEL (312) 939-4900
FAX (312) 939-4998

SEE DRAWING SAN-02
MATCH LINE STA. 133+00.00



MATCH LINE STA. 139+00.00



FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - MDB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SANITARY FORCE MAIN PLAN - US 45 (LAGRANGE ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D160F05-SHT-SAN03.dgn		DRAWN - MDB	REVISED -			330	103R-3	COOK	932	379
PLOT SCALE = 40.0000' / in.		CHECKED - TDW	REVISED -			SAN-03		CONTRACT NO. 60F05		
SHT_PLNPROF URBAN		DATE - 03/13/13	REVISED -			SCALE: 1"=20'H; 1"=5' SHEET 3 OF 3 SHEETS STA. 133+00.00 TO STA. 137+00.00		ILLINOIS FED. AID PROJECT		

D160F05-SHT-SAN03.dgn 3/12/2013 3:22:53 PM



-A-A-A-A-	AERIAL UTILITY
- - - - -	UNKNOWN
-CTV-CTV-CTV-CTV-	CABLE TV
-T-T-T-T-	TELEPHONE
-G-G-G-G-	GAS
-E-E-E-E-	ELECTRIC
-W-W-W-W-	WATER
-FO-FO-FO-FO-	FIBER OPTIC
-O-O-O-O-	PIPELINE
->>>>-	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED	= ELECTRIC
COMCAST	= CABLE TV
AT&T	= TELEPHONE
AT&T	= FIBER OPTIC
NICOR	= GAS
BP	= PIPELINE
VILLAGE OF ORLAND PARK	= WATER
VILLAGE OF ORLAND PARK	= SEWER
ILLINOIS AMERICAN WATER	= WATER
ILLINOIS AMERICAN WATER	= SEWER
TINLEY PARK WATER	= WATER

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. TBE's SUE field investigation was performed 5/16/11 through 6/24/11. Changes to utilities after 6/24/11 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: Cover

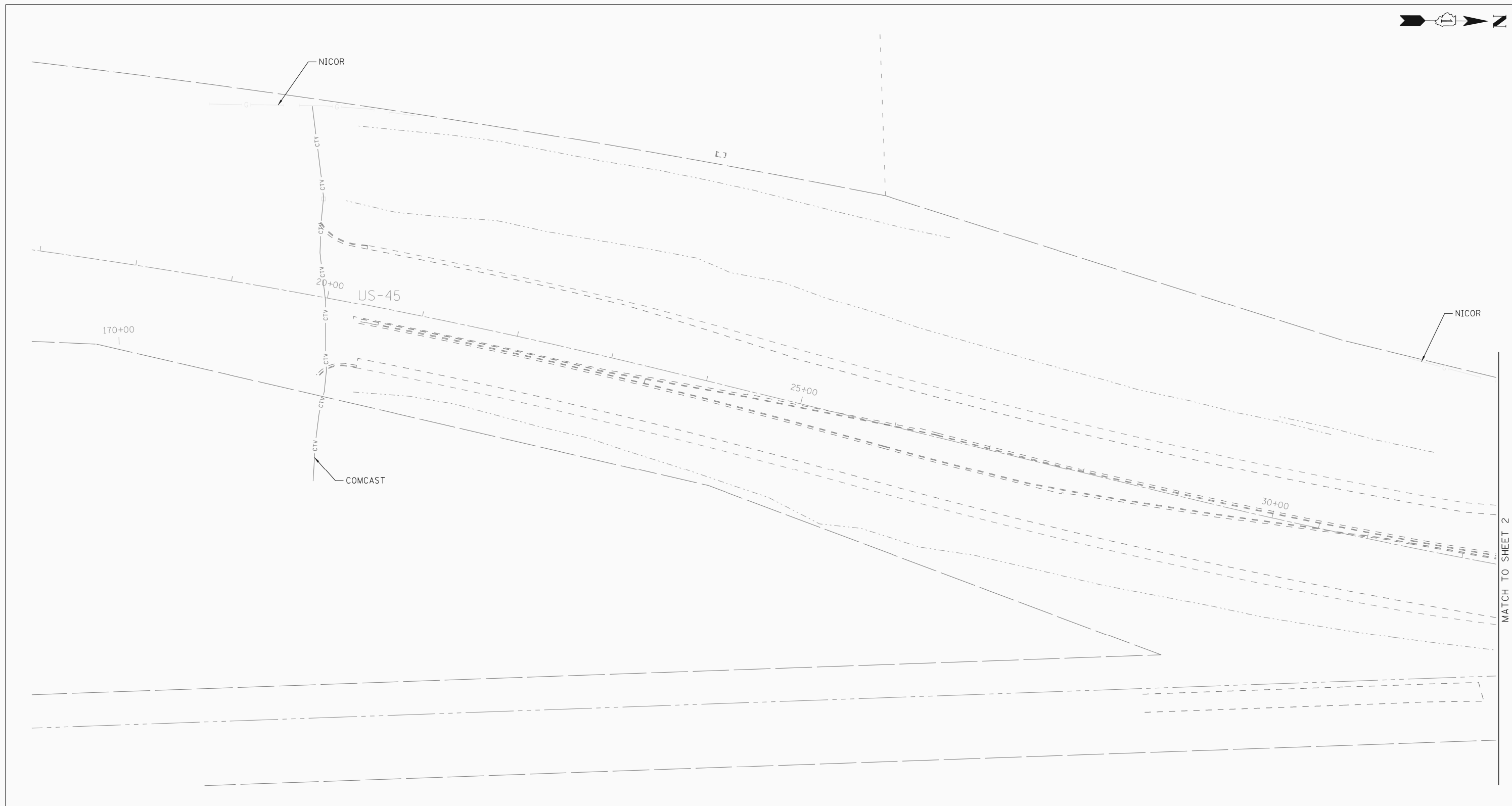
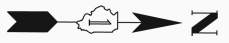
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	6/30/11	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RT. 45 from 159th Street to 179th Street
LaGrange, IL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	380
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	

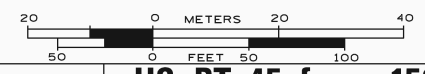


— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 1 of 15

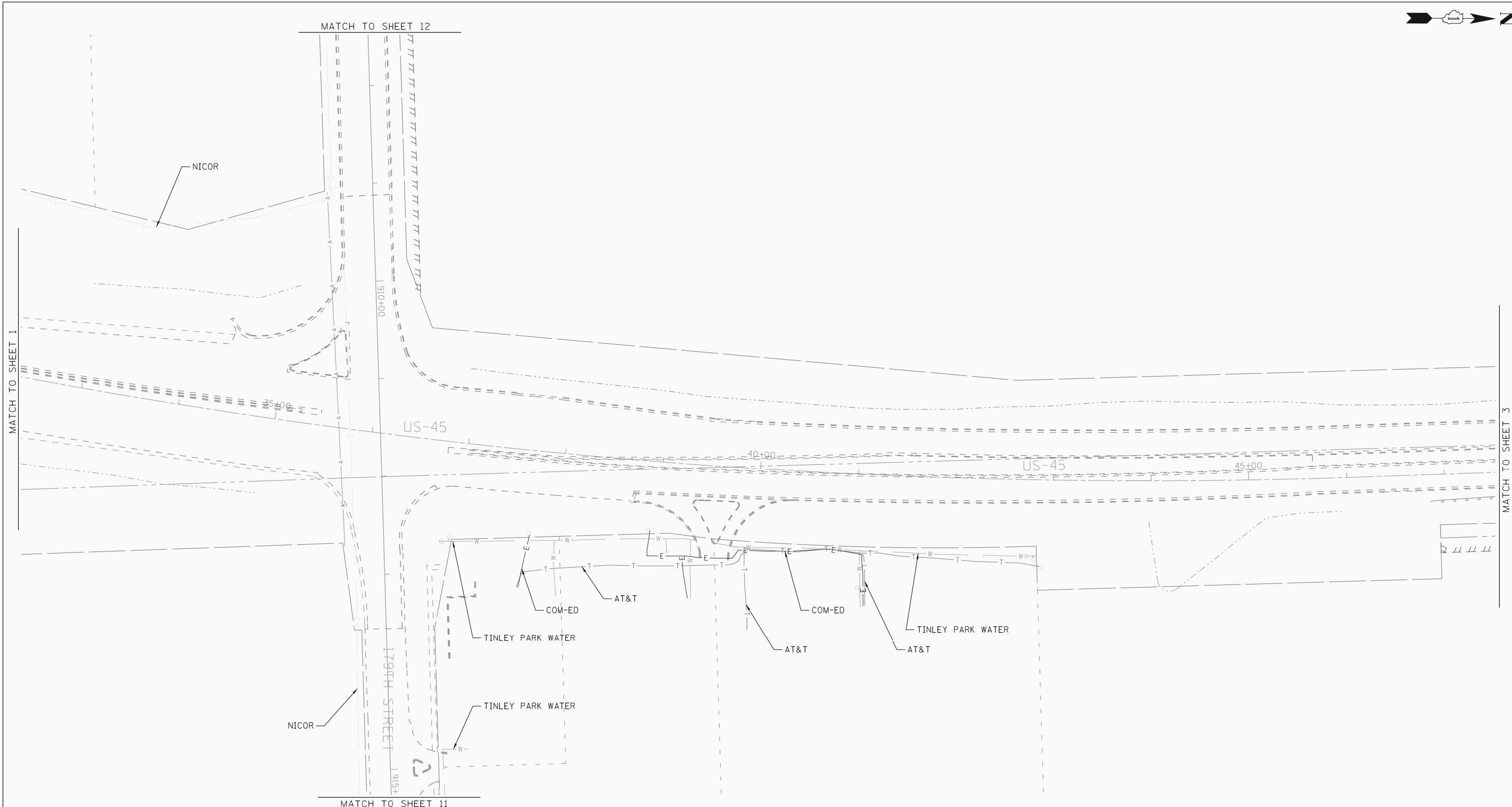
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	381
FED. ROAD DIST. NO. ILLINOIS 100T Project No.			Contract No. 60F05	

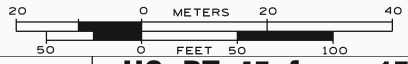


— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
— T — T —	TBE TEST HOLE

UTILITY OWNERS	
COMED	= ELECTRIC
COMCAST	= CABLE TV
AT&T	= TELEPHONE
AT&T	= FIBER OPTIC
NICOR	= GAS
BP	= PIPELINE
VILLAGE OF ORLAND PARK	= WATER
VILLAGE OF ORLAND PARK	= SEWER
ILLINOIS AMERICAN WATER	= WATER
ILLINOIS AMERICAN WATER	= SEWER
TINLEY PARK WATER	= WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 2 of 15

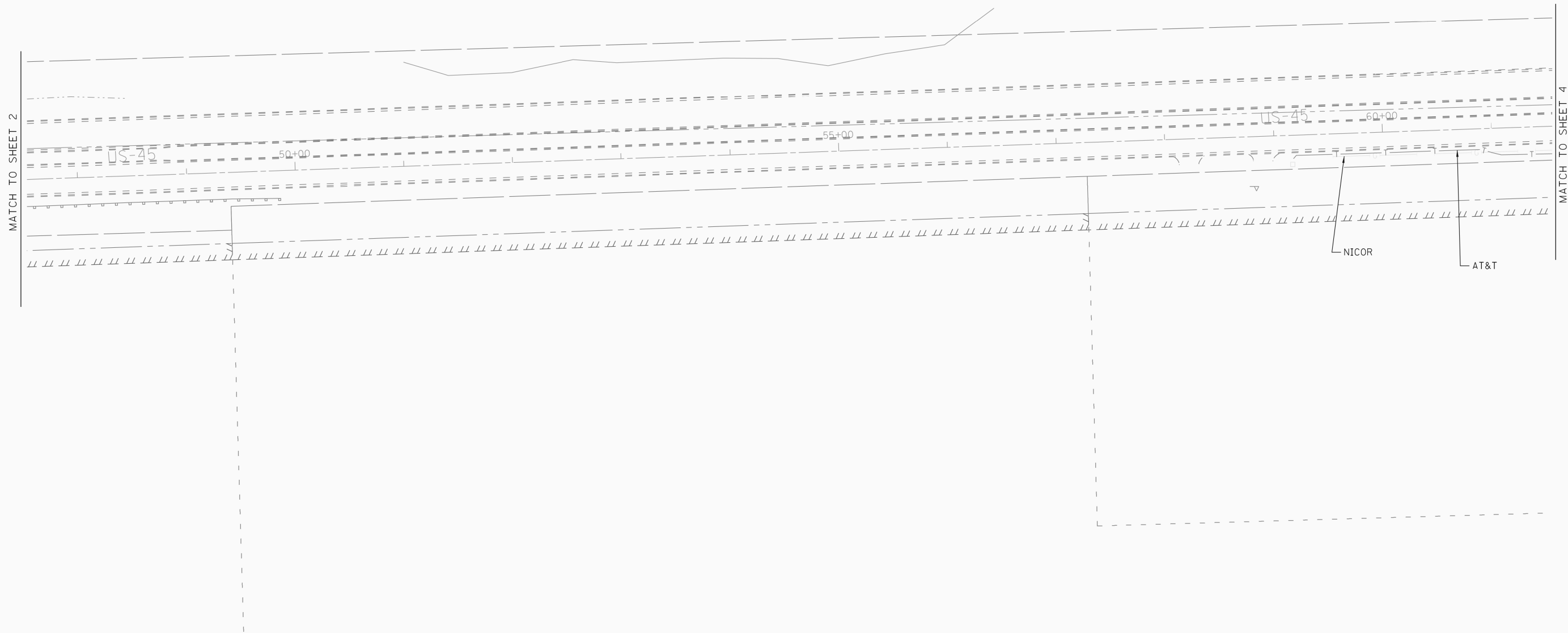
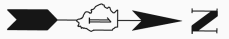
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	6/30/11	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RT. 45 from 159th Street to 167th Street
LaGrange, IL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	382
FED. ROAD DIST. NO.			ILLINOIS IDOT Project No.	
			Contract No. 60F05	

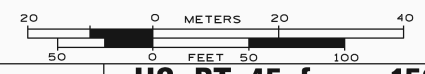


— A —	A	AERIAL UTILITY
— CTV —	CTV	CABLE TV
— T —	T	TELEPHONE
— G —	G	GAS
— E —	E	ELECTRIC
— W —	W	WATER
— FO —	FO	FIBER OPTIC
— O —	O	PIPELINE
— S —	S	SEWER
⊕		TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 3 of 15

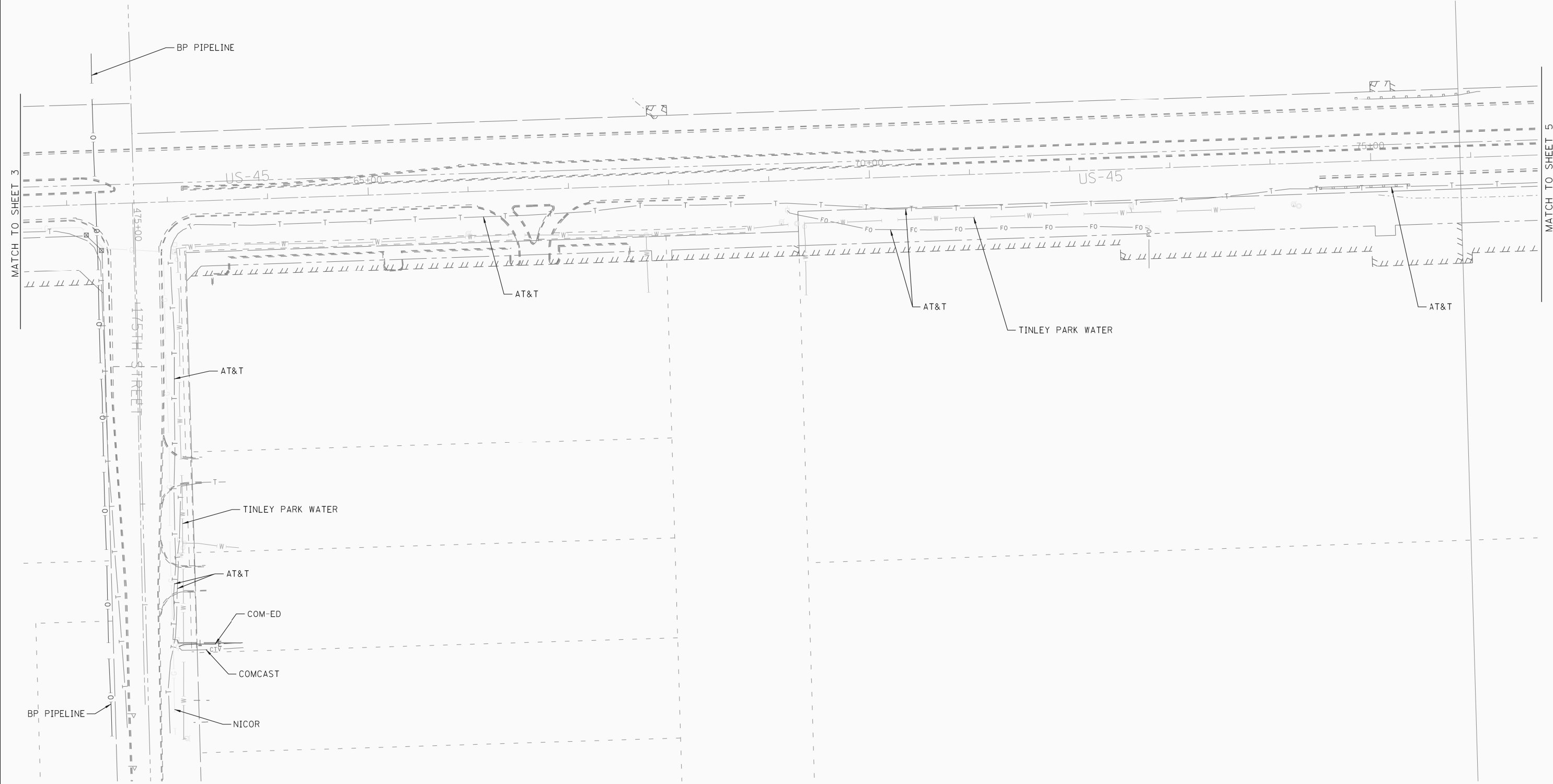
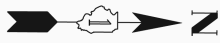
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	383
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	



— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
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ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 4 of 15

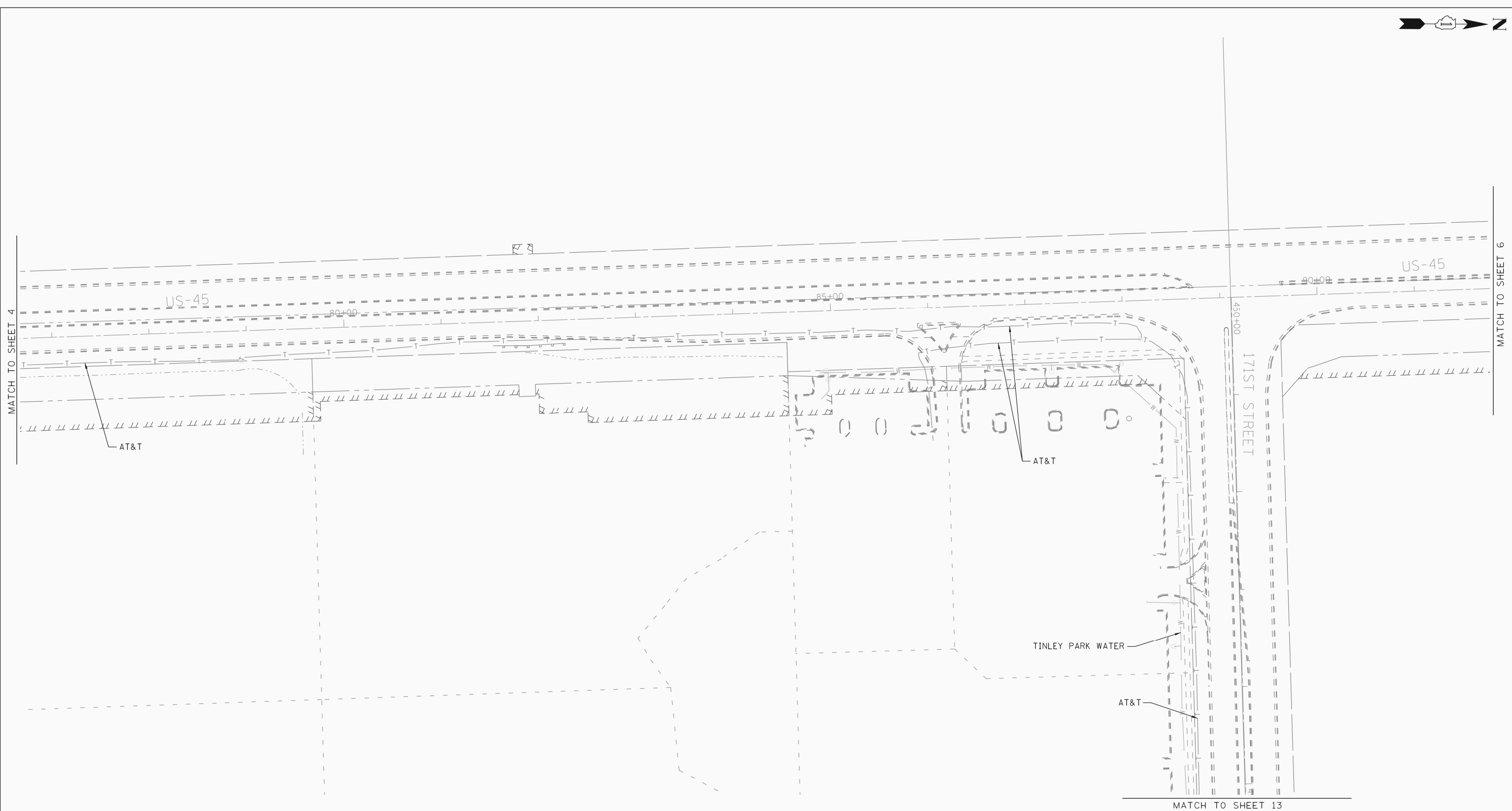
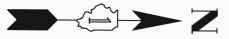
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	384
FED. ROAD DIST. NO. ILLINOIS 100T			Contract No. 60F05 Project No.	

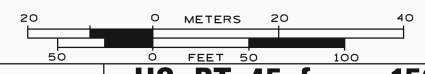


— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED = ELECTRIC	
COMCAST = CABLE TV	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
BP = PIPELINE	
VILLAGE OF ORLAND PARK = WATER	
VILLAGE OF ORLAND PARK = SEWER	
ILLINOIS AMERICAN WATER = WATER	
ILLINOIS AMERICAN WATER = SEWER	
TINLEY PARK WATER = WATER	

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TBE Job No. IL09510436, 439
SUE Plan Page: 5 of 15

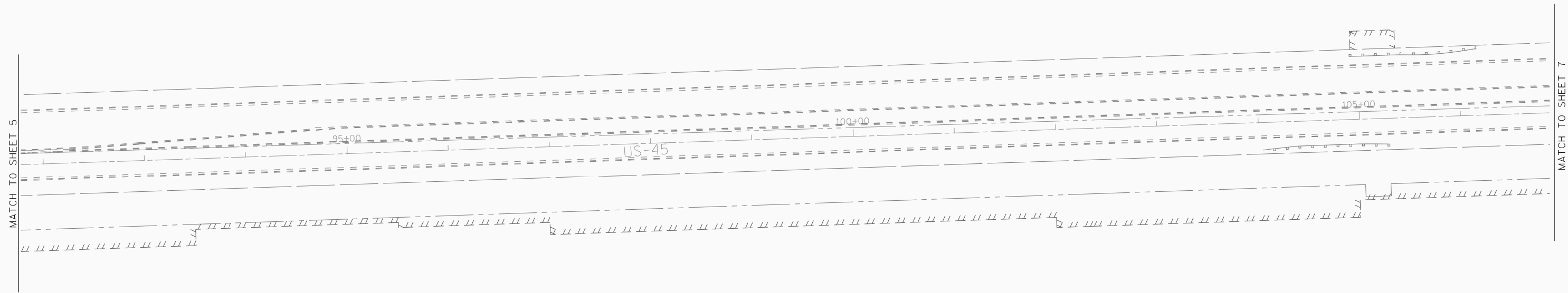
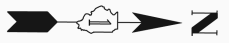
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN KLC	REVISED
CHECKED KFS	REVISED
DATE 6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE. 330	SECTION 103R-3	COUNTY Cook	TOTAL SHEETS 932	SHEET NO. 385
FED. ROAD DIST. NO. ILLINOIS 100T			Project No. 60F05	



NO UTILITIES ON THIS SHEET

— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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TBE Job No. IL09510436, 439
SUE Plan Page: 6 of 15

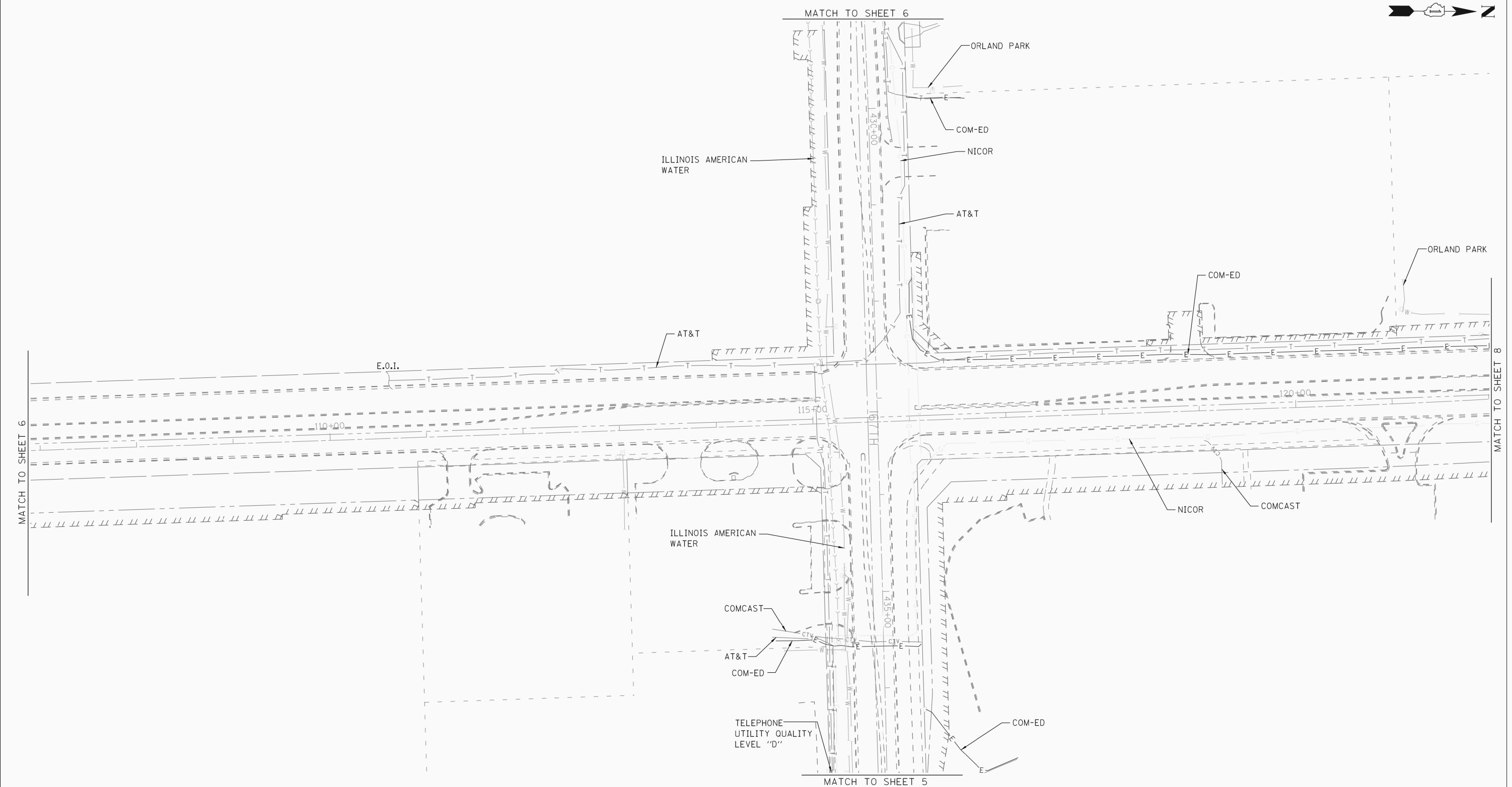
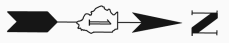
Utility Quality Level "A" : Test Hole	DESIGNED	LP	REVISED	
Utility Quality Level "B" : Designating	DRAWN	KLC	REVISED	
Utility Quality Level "C" : Research with Survey	CHECKED	KFS	REVISED	
Utility Quality Level "D" : Records Research	DATE	6/30/11	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	386
FED. ROAD DIST. NO. ILLINOIS 100T			Project No. 60F05	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	386
FED. ROAD DIST. NO. ILLINOIS 100T			Project No. 60F05	

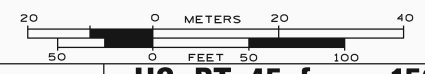


— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
— T — T —	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
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AT&T =	FIBER OPTIC
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BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
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TBE Job No. IL09510436, 439
SUE Plan Page: 7 of 15

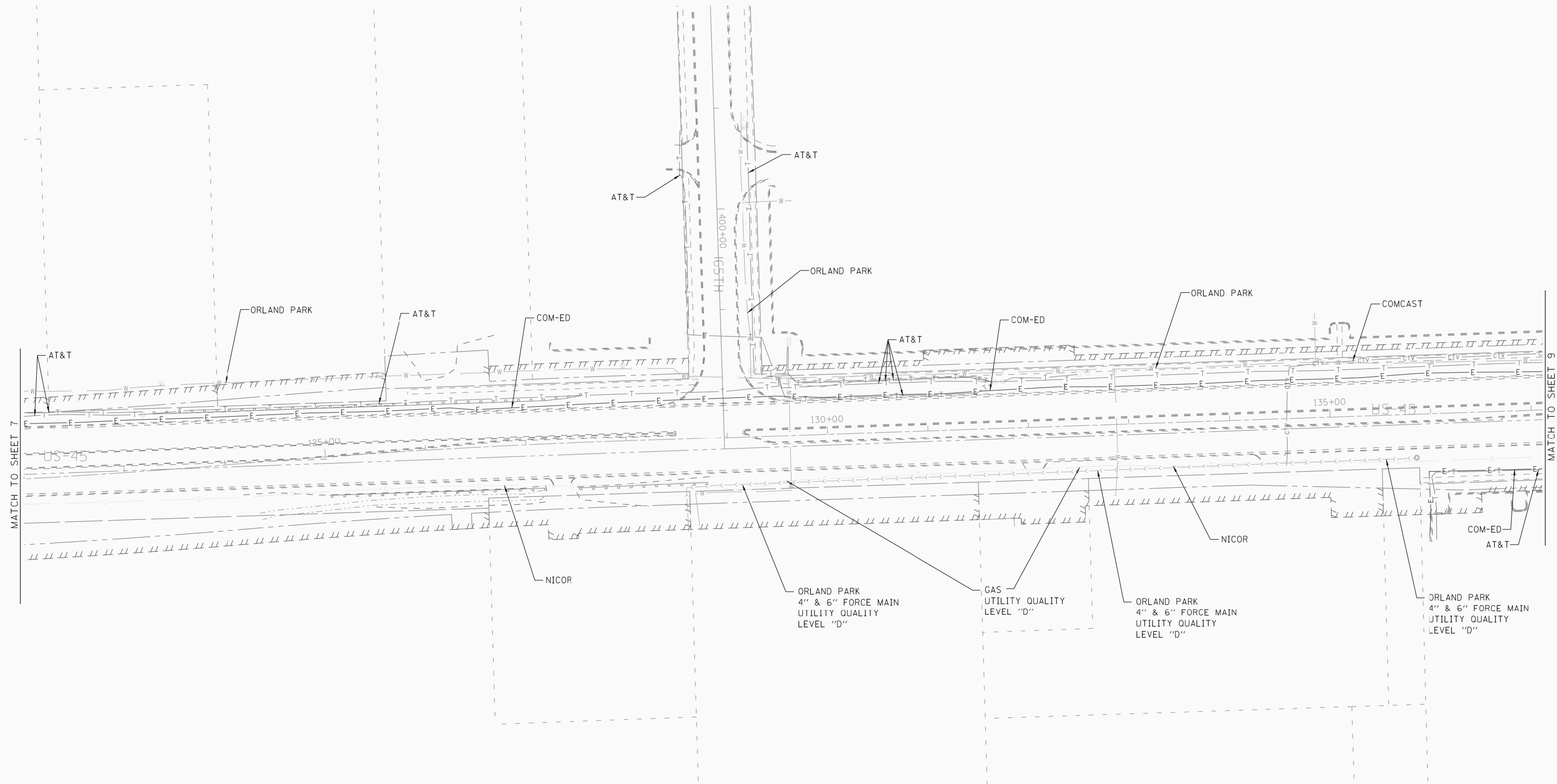
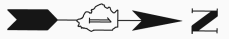
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	387
FED. ROAD DIST. NO. ILLINOIS 100T			Contract No. 60F05 Project No.	

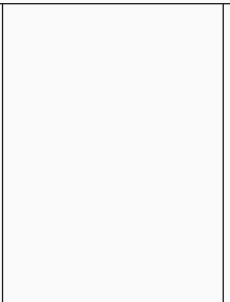


— A — A —	AERIAL UTILITY UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED	= ELECTRIC
COMCAST	= CABLE TV
AT&T	= TELEPHONE
AT&T	= FIBER OPTIC
NICOR	= GAS
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VILLAGE OF ORLAND PARK	= WATER
VILLAGE OF ORLAND PARK	= SEWER
ILLINOIS AMERICAN WATER	= WATER
ILLINOIS AMERICAN WATER	= SEWER
TINLEY PARK WATER	= WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

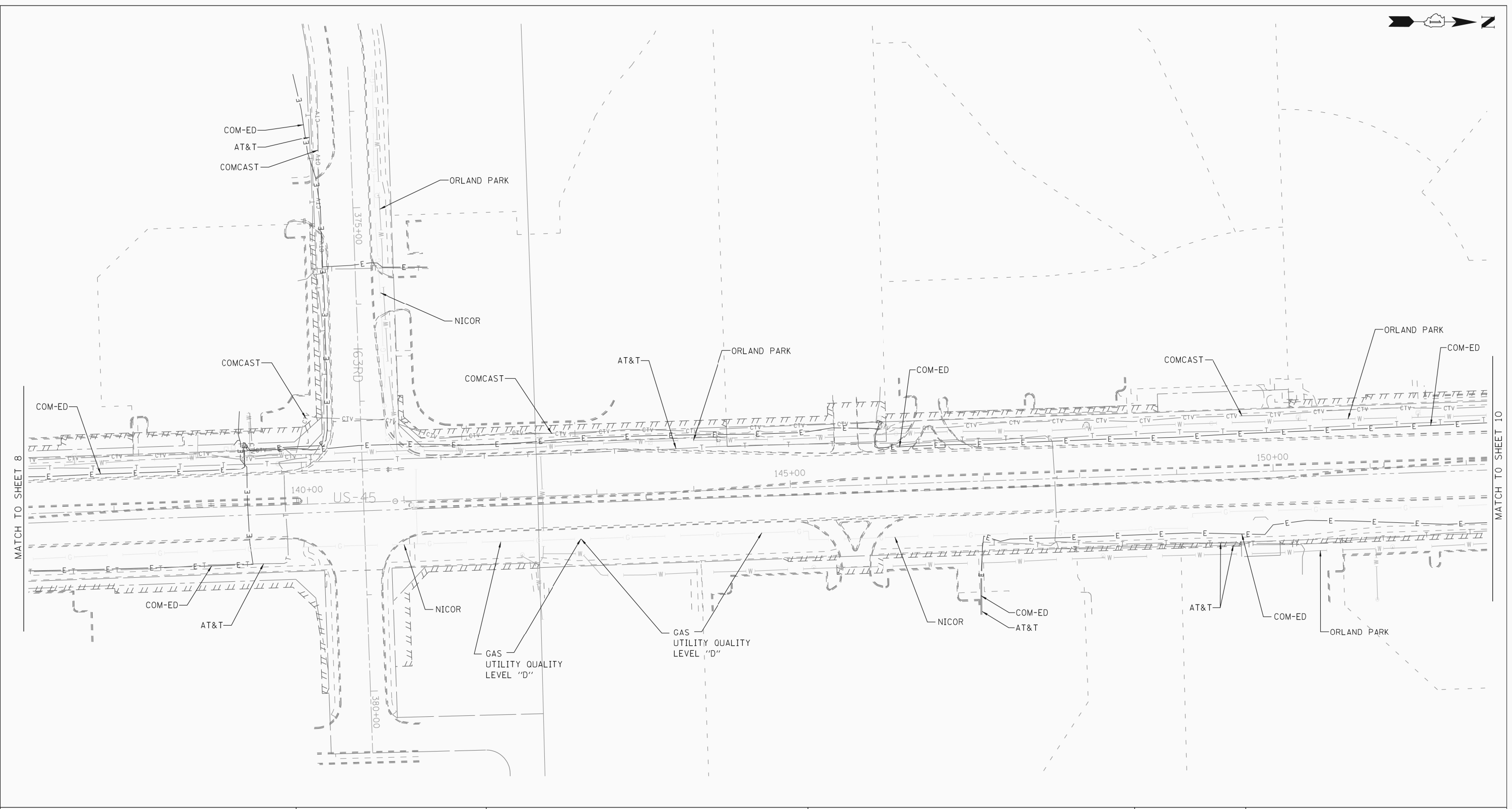
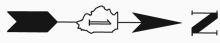
DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	388

TBE Job No. IL09510436, 439 SUE Plan Page: 8 of 15	
Contract No. 60F05	
FED. ROAD DIST. NO.	ILLINOIS DOT Project No.

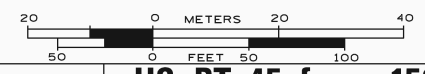


— A — A —	AERIAL UTILITY UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
— T — T —	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 9 of 15

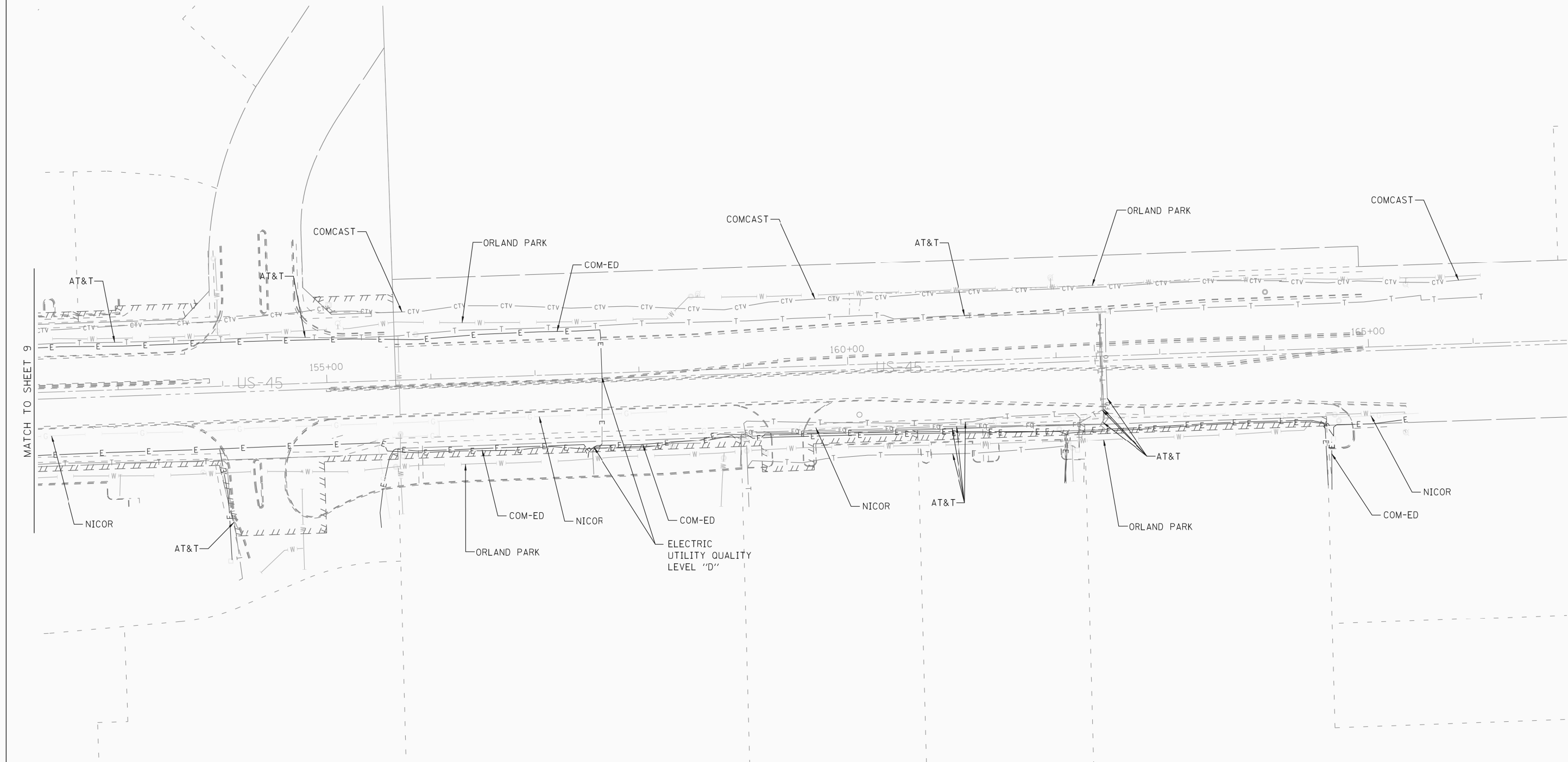
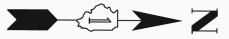
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	389
FED. ROAD DIST. NO. ILLINOIS 100T			Contract No. 60F05 Project No.	

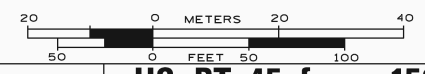


— A — A —	AERIAL UTILITY UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED	= ELECTRIC
COMCAST	= CABLE TV
AT&T	= TELEPHONE
AT&T	= FIBER OPTIC
NICOR	= GAS
BP	= PIPELINE
VILLAGE OF ORLAND PARK	= WATER
VILLAGE OF ORLAND PARK	= SEWER
ILLINOIS AMERICAN WATER	= WATER
ILLINOIS AMERICAN WATER	= SEWER
TINLEY PARK WATER	= WATER

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. TBE's SUE field investigation was performed 5/16/11 through 6/24/11. Changes to utilities after 6/24/11 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Page: 10 of 15

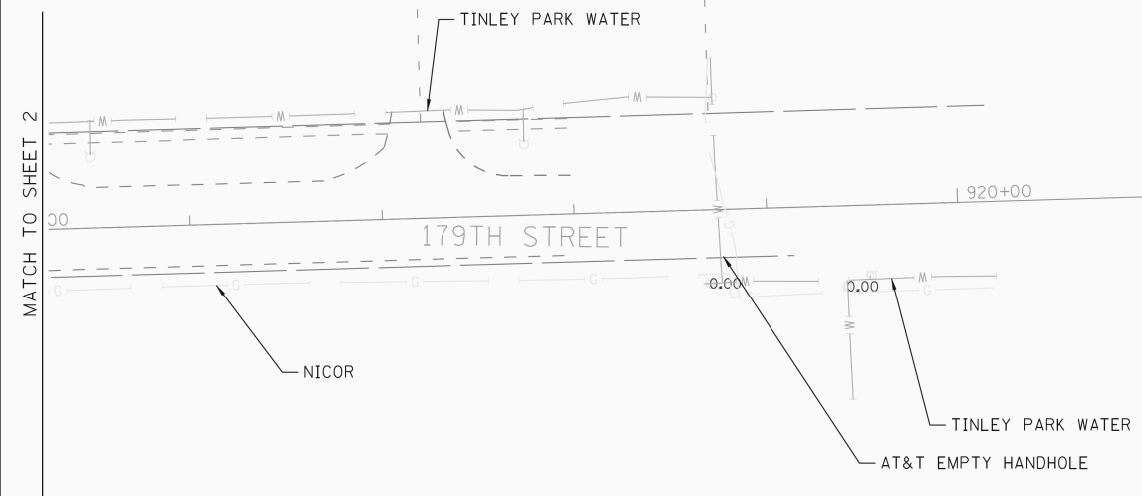
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	390
FED. ROAD DIST. NO. ILLINOIS 100T			Contract No. 60F05 Project No.	



— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Pages: 11 of 15

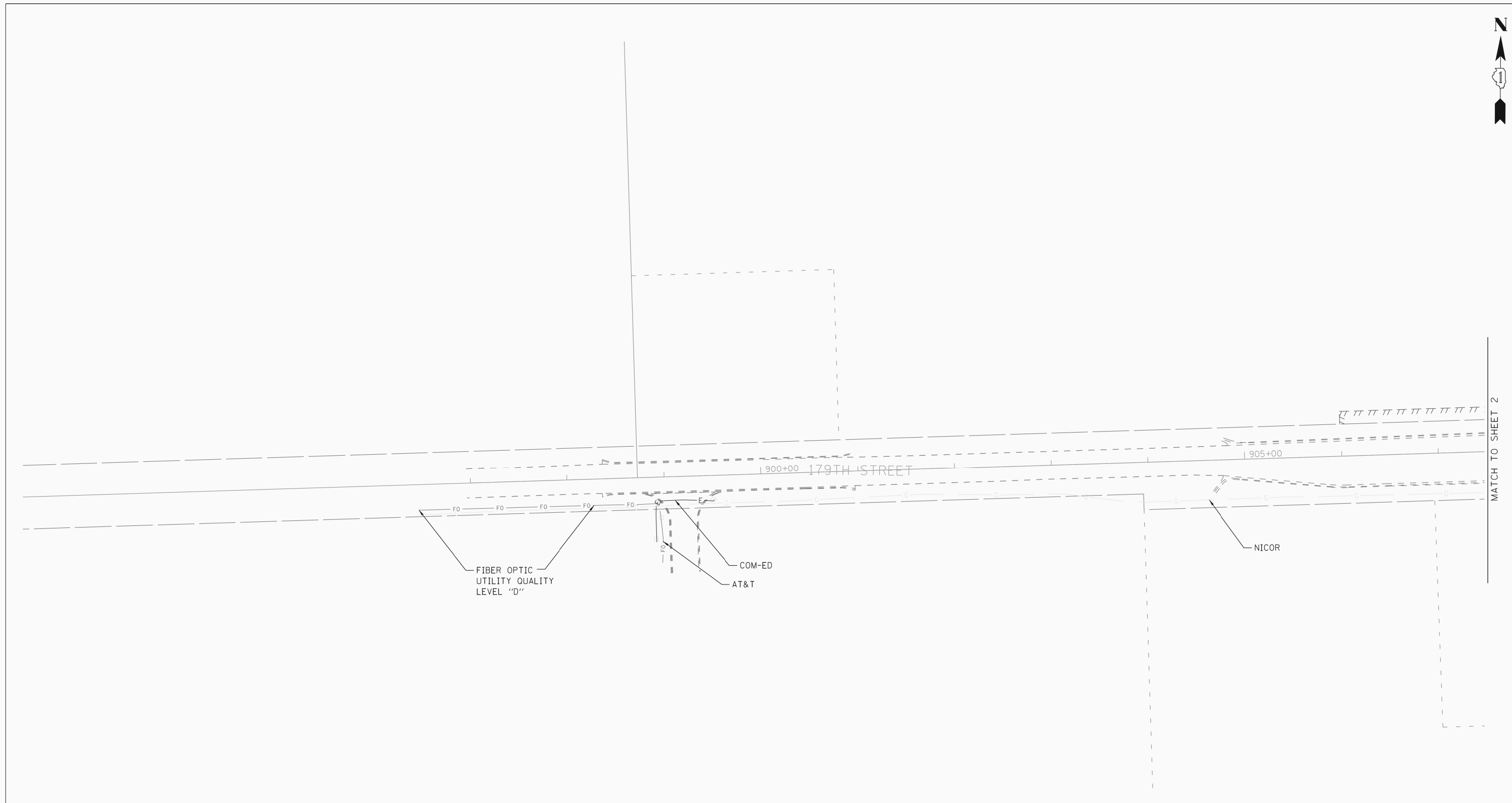
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	391
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	



— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
— TBE TEST HOLE	

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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TBE Job No. IL09510436, 439
SUE Plan Page: 12 of 15

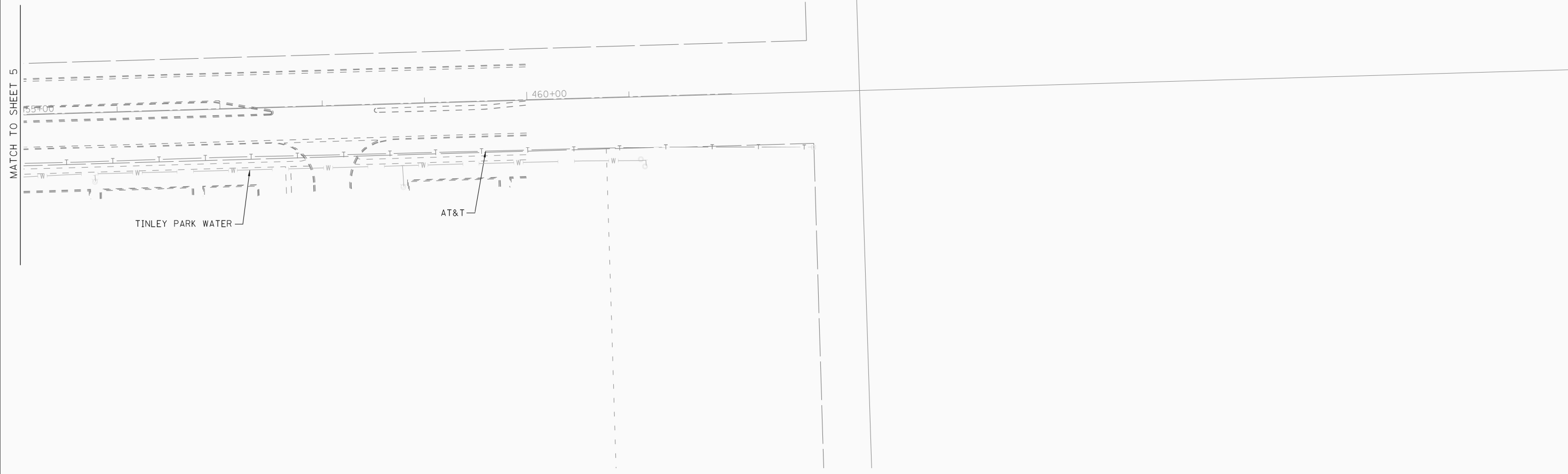
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	392
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	

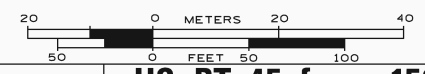


— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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TBE Job No. IL09510436, 439
SUE Plan Pages: 13 of 15

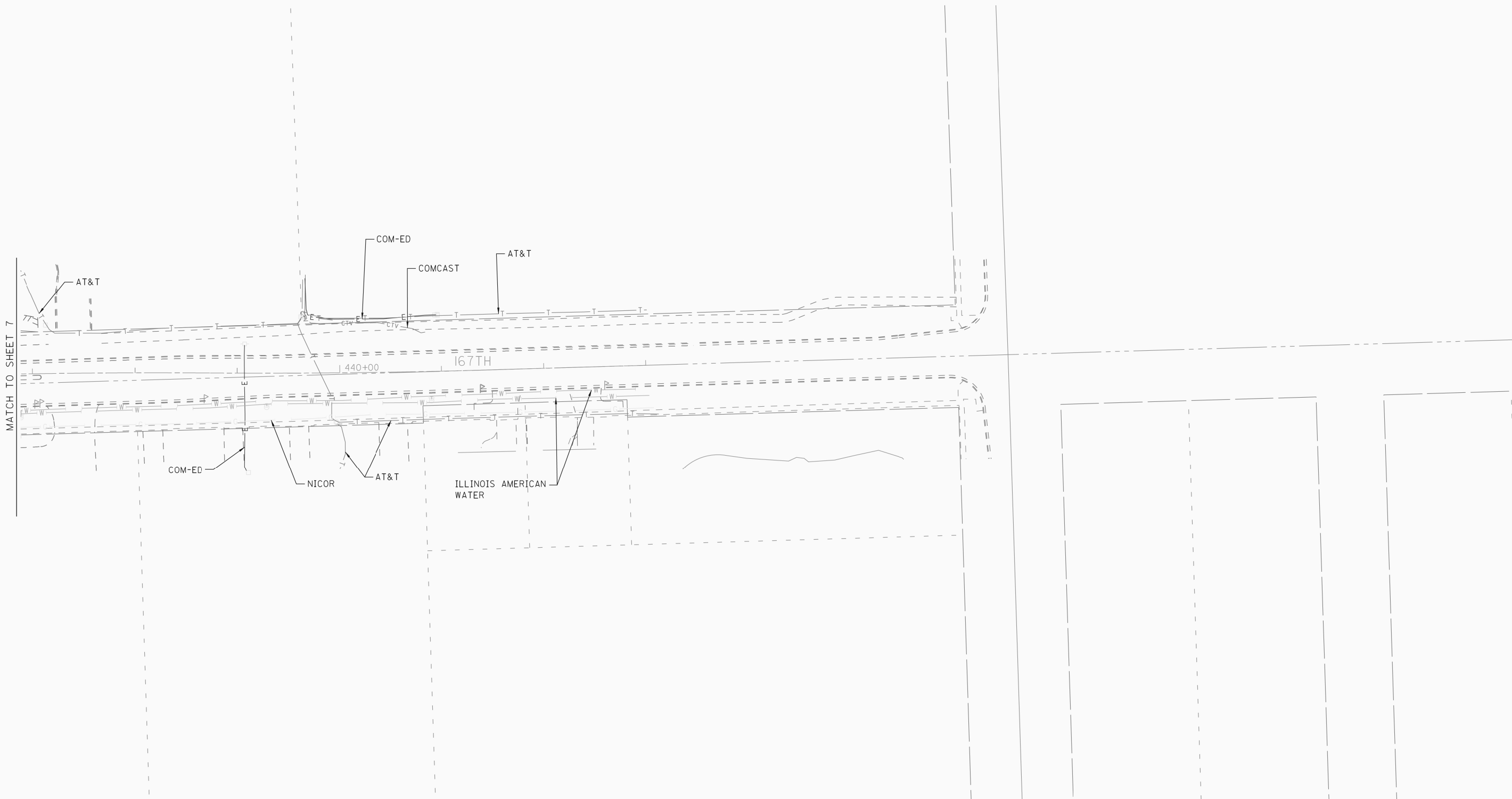
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	393
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	



— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510436, 439
SUE Plan Pages: 14 of 15

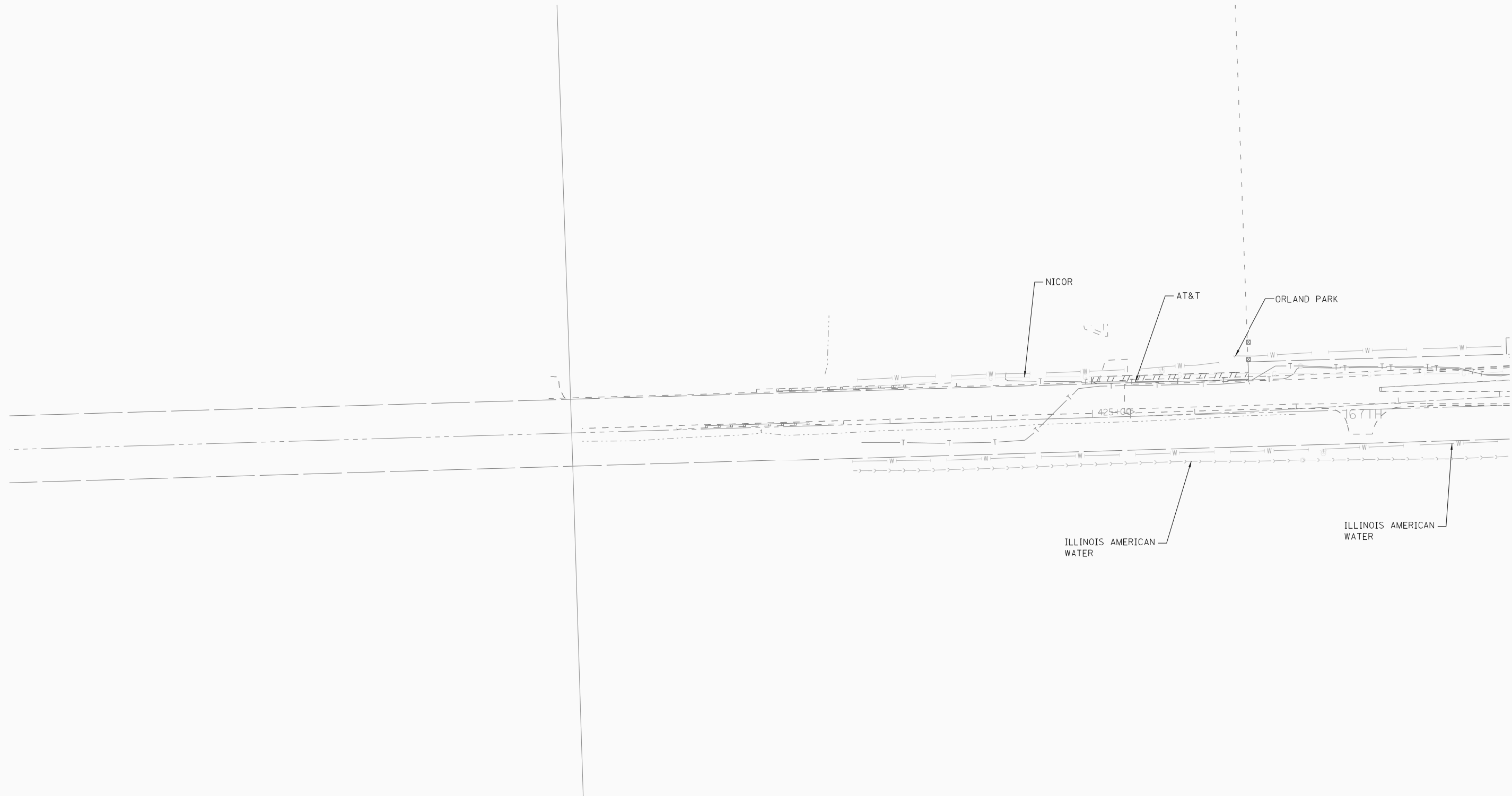
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	394
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	



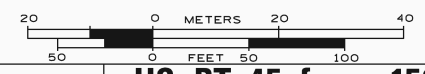
MATCH TO SHEET 7

— A — A —	AERIAL UTILITY
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— O — O —	PIPELINE
— S — S —	SEWER
— T — T —	TBE TEST HOLE

UTILITY OWNERS	
COMED =	ELECTRIC
COMCAST =	CABLE TV
AT&T =	TELEPHONE
AT&T =	FIBER OPTIC
NICOR =	GAS
BP =	PIPELINE
VILLAGE OF ORLAND PARK =	WATER
VILLAGE OF ORLAND PARK =	SEWER
ILLINOIS AMERICAN WATER =	WATER
ILLINOIS AMERICAN WATER =	SEWER
TINLEY PARK WATER =	WATER

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TBE Job No. IL09510436, 439
SUE Plan Pages: 15 of 15

Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	6/30/11	REVISED

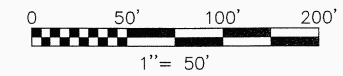
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RT. 45 from 159th Street to 167th Street
LaGrange, IL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	Cook	932	395
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60F05	

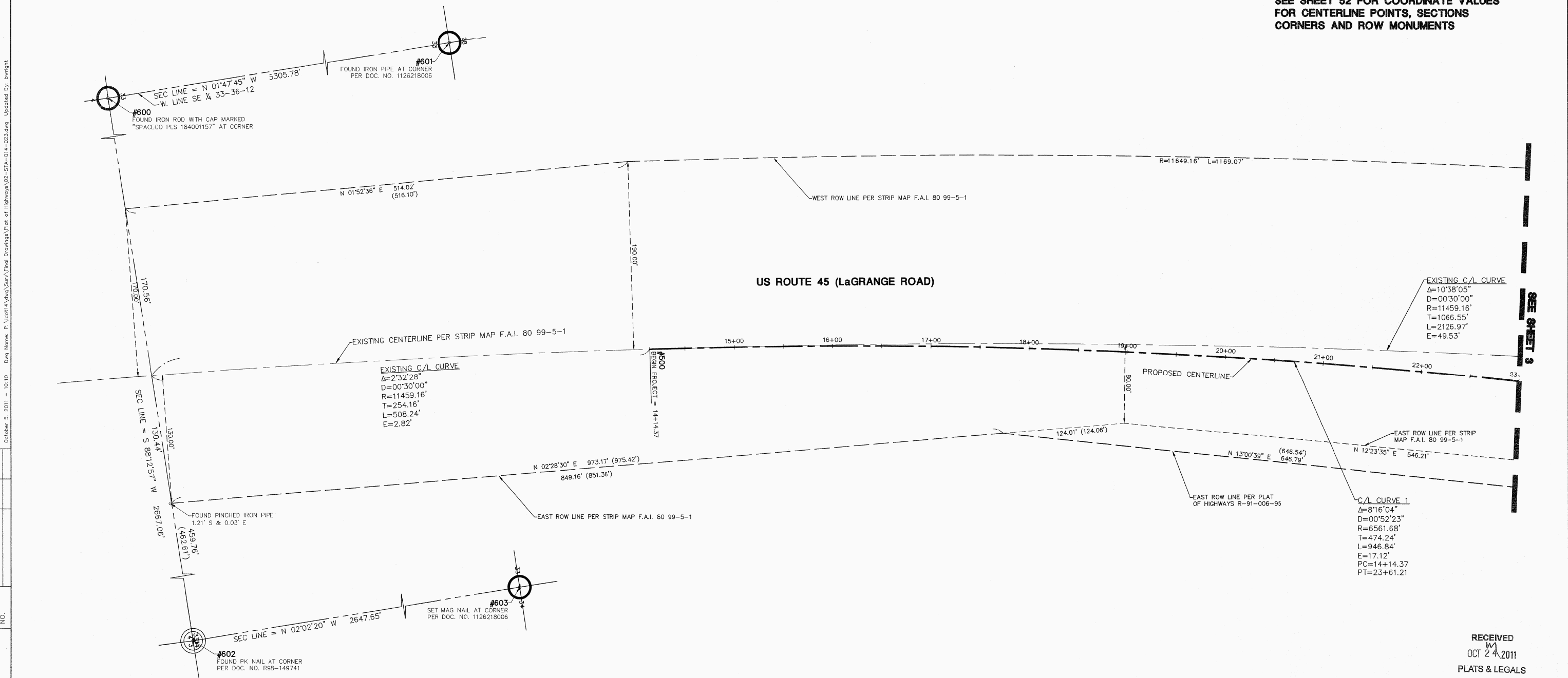
PT OF SE 1/4 OF SEC 33, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY



F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	55	2
STATION 14+14.37 TO STATION			932	396
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS



DATE	BY	MADE	CHECKED	INKE	NOTEBOOK NO.

LEGEND

	SECTION CORNER		PK NAIL SET		EX. SANITARY MANHOLE (SMH)
	QUARTER SECTION CORNER		REPLACED AFTER CONSTRUCTION		EX. FIRE HYDRANT/AUX. VALVE
	SECTION LINE		IRON ROD SET		EX. VALVE BOX
	QUARTER SECTION LINE		IRON PIPE OR ROD FOUND		EX. VALVE VAULT (V.V.)
	QUARTER, QUARTER SECTION LINE		CUT CROSS FOUND OR SET		EX. IRRIGATION CONTROL BOX
	PLATTED LOT LINE		THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AD IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.		EX. ELECTRICAL METER
	PROPERTY (DEED) LINE		STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.		EX. ELECTRICAL OUTLET
	CENTERLINE		POINT OF BEGINNING		EX. UTILITY POLE
	EXISTING RIGHT-OF-WAY LINE		POINT OF COMMENCEMENT		EX. UTILITY POLE WITH LIGHT
	PROPOSED RIGHT-OF-WAY LINE		EX. MISCELLANEOUS MANHOLE (MH)		EX. GUY WIRE
	PROPOSED EASEMENT		EX. STORM MANHOLE (MH)		EX. LIGHT STANDARD
	MEASURED DIMENSION		EX. STORM CATCH BASIN (CB)		EX. STREET LIGHT
	COMPUTED DIMENSION		EX. STORM INLET (INL)		EX. GROUND LIGHT
	RECORD DATA		EX. FLARED END SECTION (FES)		EX. SIGN
	EXISTING BUILDING		EX. DOUBLE POLE SIGN		EX. MAILBOX
	EX. CONCRETE CURB & GUTTER		EX. BOLLARD		EX. FLAG POLE
	EX. EDGE OF PAVEMENT				
	EX. GUARD RAIL				

STATE OF ILLINOIS)
 COUNTY OF DU PAGE) SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 17TH DAY OF OCTOBER A.D., 2011.

William W. Wright
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013

REVISION DATE	DESCRIPTION	INITIALS
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW

RECEIVED
 OCT 24 2011
 PLATS & LEGALS

IDOT14 -- 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

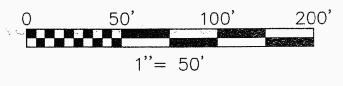
Manhard CONSULTING LTD
 700 Riverside Drive, Lombard, IL 60148 ph: 630.681.8500 fax: 630.681.8988 manhard.com
 Civil Engineers • Surveyors • Water Resource Engineers • Forest & Wetlands Engineers
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAP 330/US ROUTE 45
 SECTION: 131st St to 179th St COOK COUNTY
 PROJECT: JOB NO. R-90-004-07
 STATION 14+14.37 TO STATION 23+00

SCALE: 1" = 50' SHEET 2 OF 55

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

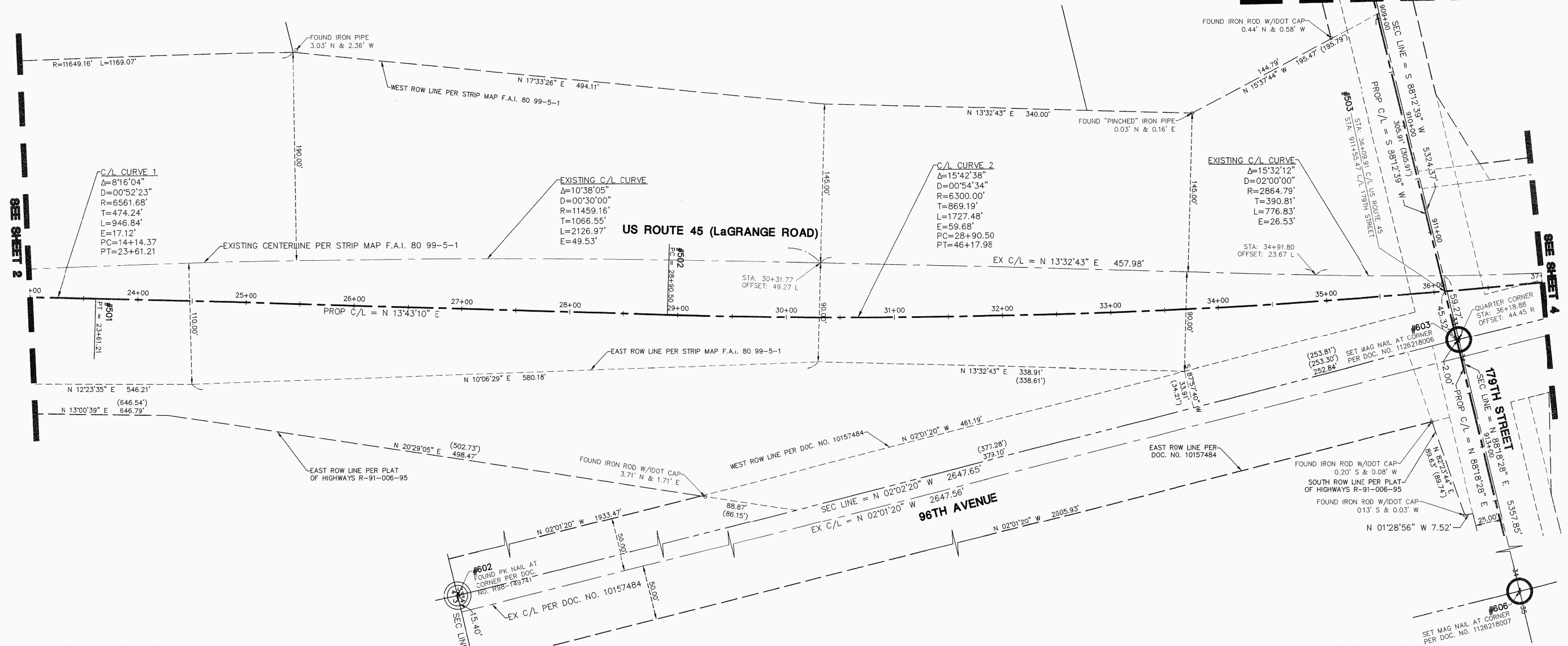
PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY



F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	397
STATION 23+00 TO STATION 36+00				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS

SEE SHEET 4 FOR 179TH STREET DETAIL



BY	DATE	MADE	CHECKED	IN	NO.

LEGEND

	SECTION CORNER		IRON PIPE OR ROD FOUND
	QUARTER SECTION CORNER		CUT CROSS FOUND OR SET
	SECTION LINE		THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
	QUARTER SECTION LINE		STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
	PLATTED LOT LINE		POINT OF BEGINNING
	PROPERTY (DEED) LINE		POINT OF COMMENCEMENT
	CENTERLINE		EX. MISCELLANEOUS MANHOLE (MH)
	EXISTING RIGHT-OF-WAY LINE		EX. STORM MANHOLE (MH)
	PROPOSED RIGHT-OF-WAY LINE		EX. STORM CATCH BASIN (CB)
	PROPOSED EASEMENT		EX. STORM INLET (INL)
	MEASURED DIMENSION		EX. FLARED END SECTION (FES)
	COMPUTED DIMENSION		EX. SANITARY MANHOLE (SMH)
	RECORD DATA		EX. FIRE HYDRANT/AUX. VALVE
	EXISTING BUILDING		EX. VALVE BOX
	EX. CONCRETE CURB & GUTTER		EX. VALVE VAULT (V.V.)
	EX. EDGE OF PAVEMENT		EX. IRRIGATION CONTROL BOX
	EX. GUARD RAIL		EX. ELECTRICAL METER
	PK NAIL SET		EX. ELECTRICAL OUTLET
	REPLACED AFTER CONSTRUCTION		EX. UTILITY POLE
	IRON ROD SET		EX. UTILITY POLE WITH LIGHT
			EX. GUY WIRE
			EX. LIGHT STANDARD
			EX. STREET LIGHT
			EX. GROUND LIGHT
			EX. SIGN
			EX. DOUBLE POLE SIGN
			EX. MAILBOX
			EX. BOLLARD
			EX. FLAG POLE

STATE OF ILLINOIS)
 COUNTY OF DuPAGE) SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 17TH DAY OF OCTOBER A.D., 2011.

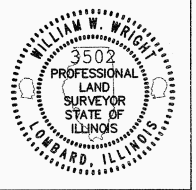
William W. Wright
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013

10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
REVISION DATE	DESCRIPTION	INITIALS



IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD.
 2011 Spring Drive, Lombard, IL 60148, Tel: 630.261.9300, Fax: 630.261.9308, www.manhard.com
 Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAP 330/US ROUTE 45
 SECTION: 131st St to 179th St COOK COUNTY
 PROJECT: JOB NO. R-90-004-07
 STATION 23+00 TO STATION 36+00

SCALE: 1" = 50' SHEET 3 OF 55

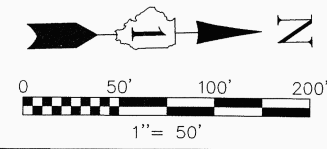
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

RECORDING: RECORDED ON AS DOCUMENT NO.

RECEIVED
 OCT 24 2011
 PLATS & LEGALS

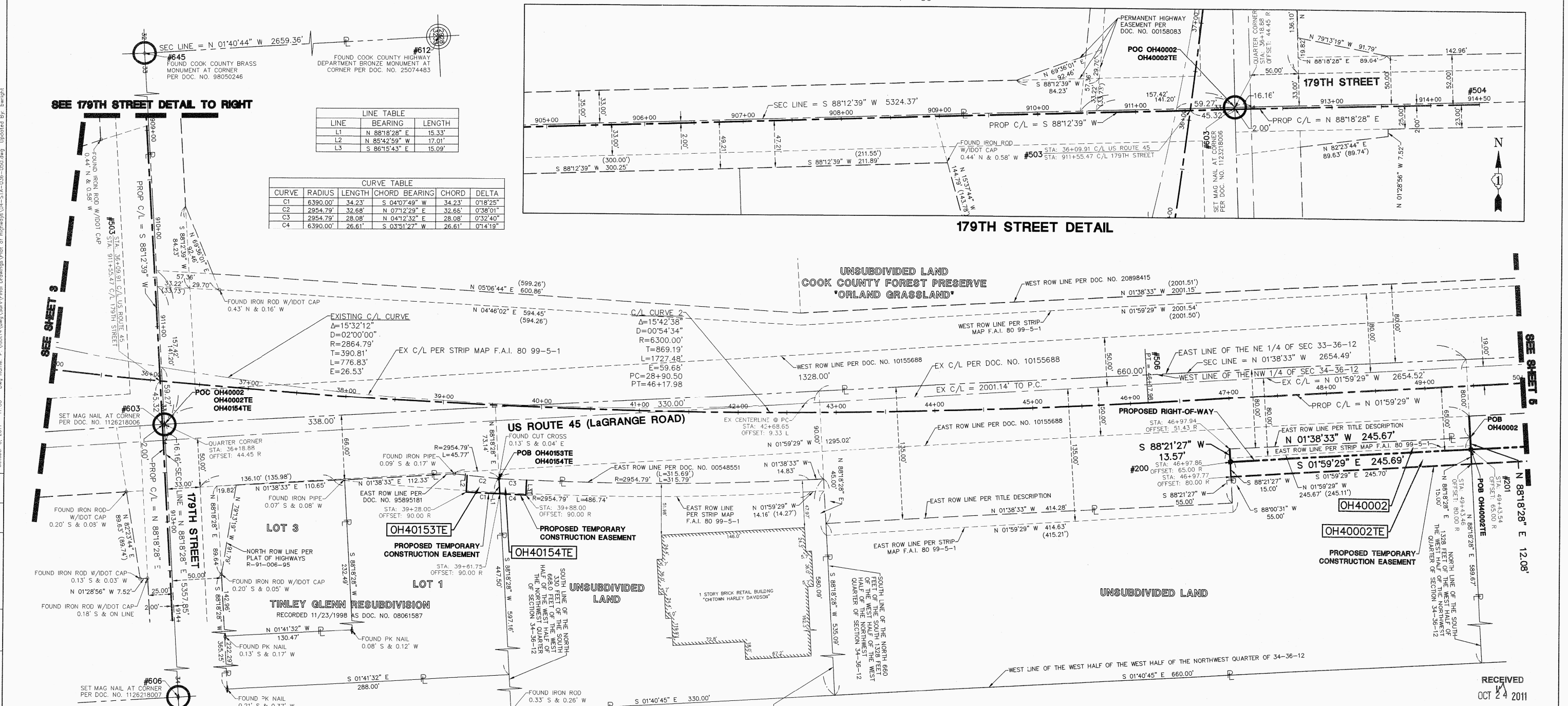
PT OF NE 1/4 SEC 33 AND PT OF NW 1/4 SEC 34, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40002	FOUNDERS BANK AS TRUSTEE UNDER TRUST NO. 2708	8.414	0.072	0.000	8.342	0.085	27-34-100-003	TEMPORARY	
OH40153TE	FOUNDERS BANK AS TRUSTEE UNDER TRUST NO. 6439	2.306	N/A	N/A	N/A	0.012	27-34-120-005	TEMPORARY	
OH40154TE	TRAGOS PROPERTIES, LLC	4.436	N/A	N/A	N/A	0.010	27-34-100-004	TEMPORARY	



SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	398
STATION 36+00 TO STATION 50+00				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

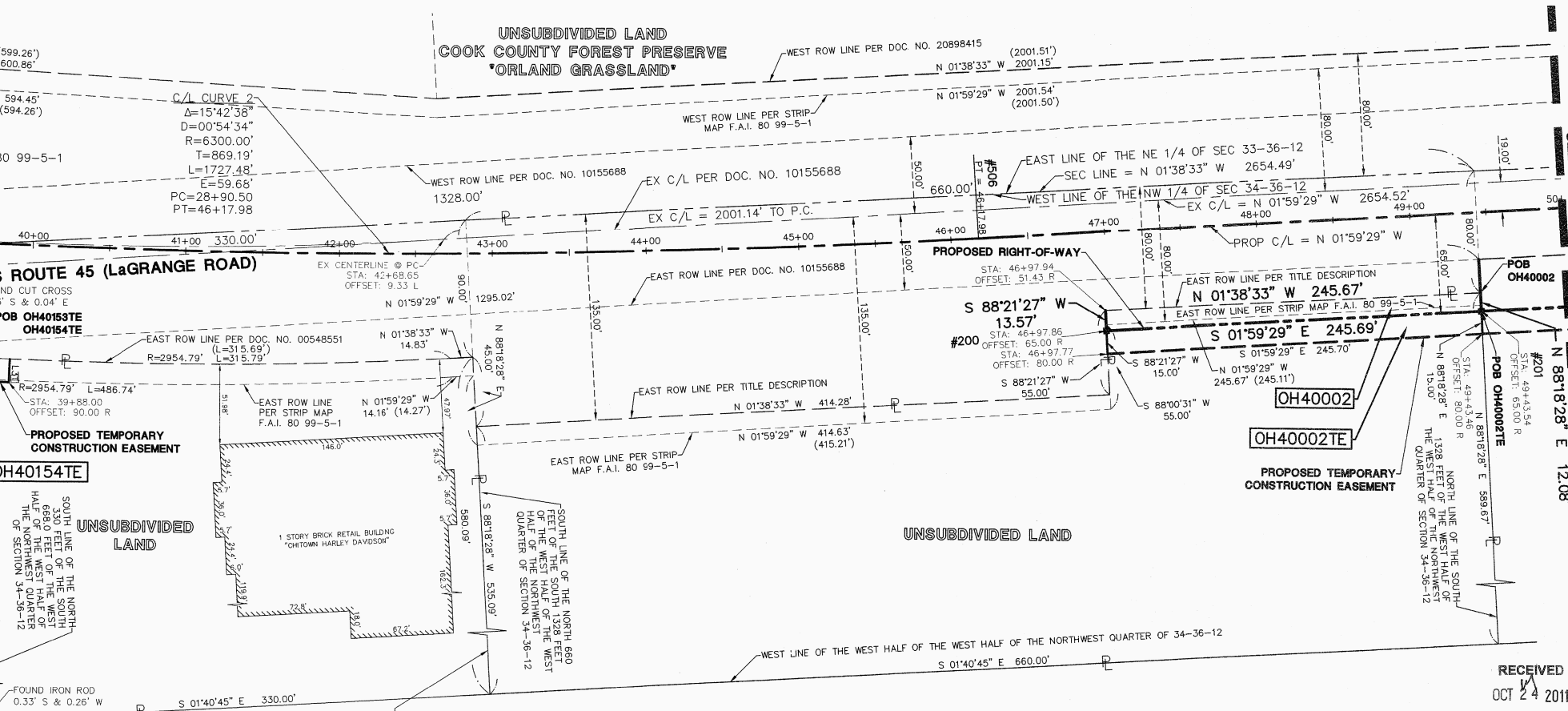
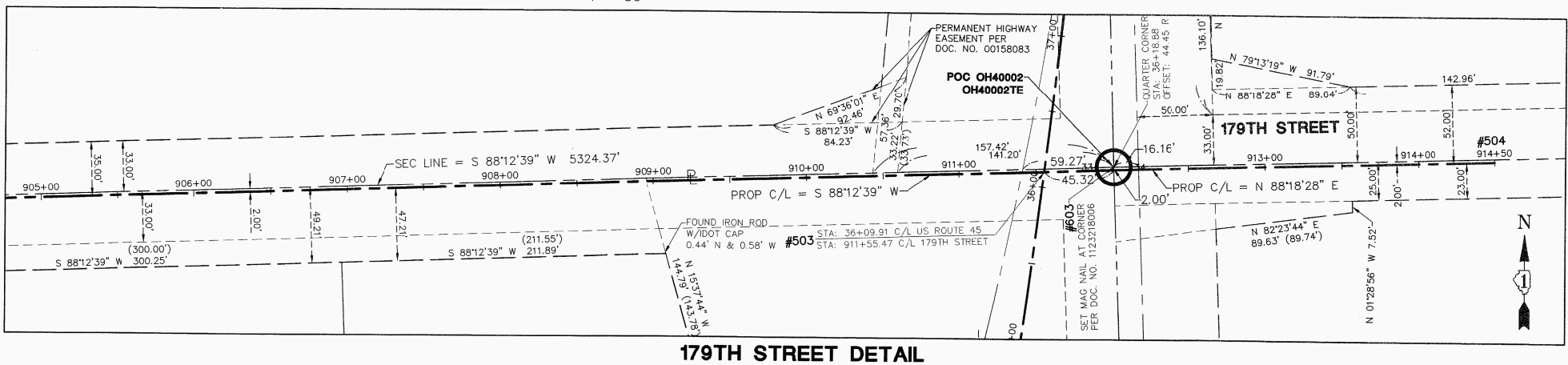


LINE TABLE

LINE	BEARING	LENGTH
L1	N 88°18'28" E	15.33'
L2	N 85°42'59" W	17.01'
L3	S 86°15'43" E	15.09'

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD	BEARING	CHORD	DELTA
C1	6390.00'	34.23'	S 04°07'49" W	34.23'	0°18'25"	
C2	2954.79'	32.68'	N 07°12'29" E	32.68'	0°38'01"	
C3	2954.79'	28.08'	N 04°12'32" E	28.08'	0°32'40"	
C4	6390.00'	26.61'	S 03°51'27" W	26.61'	0°14'19"	

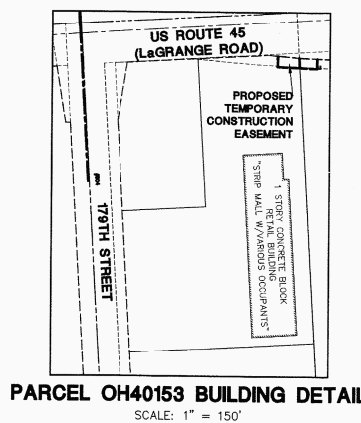


BY	DATE	MADE	CHECKED	INKED	NO.



LEGEND

- PK NAIL SET
- REPLACED AFTER CONSTRUCTION
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
- STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- POINT OF BEGINNING
- POINT OF COMMENCEMENT
- EX. MISCELLANEOUS MANHOLE (MH)
- EX. STORM MANHOLE (MH)
- EX. STORM CATCH BASIN (CB)
- EX. STORM INLET (NL)
- EX. FLARED END SECTION (FES)
- EX. SANITARY MANHOLE (SMH)
- EX. FIRE HYDRANT/AUX. VALVE
- EX. VALVE BOX
- EX. VALVE VAULT (V.V.)
- EX. IRRIGATION CONTROL BOX
- EX. ELECTRICAL METER
- EX. ELECTRICAL OUTLET
- EX. UTILITY POLE
- EX. UTILITY POLE WITH LIGHT
- EX. GUY WIRE
- EX. LIGHT STANDARD
- EX. STREET LIGHT
- EX. GROUND LIGHT
- EX. SIGN
- EX. DOUBLE POLE SIGN
- EX. MAILBOX
- EX. BOLLARD
- EX. FLAG POLE



STATE OF ILLINOIS }
 COUNTY OF DU PAGE } SS

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 37 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 17TH DAY OF OCTOBER A.D., 2011.

WILLIAM W. WRIGHT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2013

BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE, NORTH AMERICAN DATUM OF 1983. ALL COORDINATE AND DIMENSIONAL VALUES SHOWN HEREON ARE "GROUND" NOT "GRID".

COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013

REVISION DATE	DESCRIPTION	INITIALS
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
08/15/11	DELETED PARCEL OH40145TE-A	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
02/14/11	PER ENGINEERING CONSULTANT MEMO	BJP

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD
 700 S. Wacker Drive, Lombard, IL 60148 PH: 630.891.9200 FAX: 630.891.9888 manhard.com
 Civil Engineers • Surveyors • Water Resources Engineers • Water & Wastewater Engineers
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAP 330/US ROUTE 45
 SECTION: 131st St to 179th St COOK COUNTY
 PROJECT: JOB NO. R-90-004-07
 STATION 36+00 TO STATION 50+00

SCALE: 1" = 50' SHEET 4 OF 55

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

RECEIVED
 OCT 24 2011
 PLATS & LEGALS

PT OF NE 1/4 SEC 33 & PT OF NW 1/4 SEC 34, T36N, R12E OF THE 3RD PM, COOK CO. IL

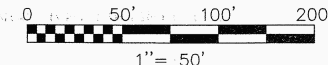
PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40003	LETHA DUMNEY	15.152	1.621	1.007	13.531	0.271	27-34-100-013	TEMPORARY	
OH40004	LETHA DUMNEY AS TRUSTEE UNDER THE LETHA DUMNEY TRUST DATED JANUARY 2, 2002	3.991	0.399	0.000	3.592	0.192	27-34-100-012	TEMPORARY	

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	399

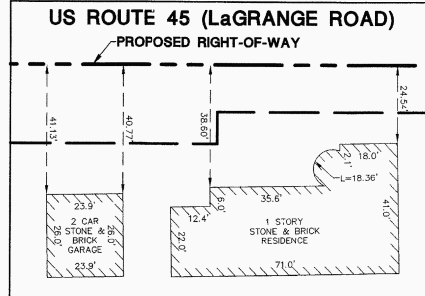
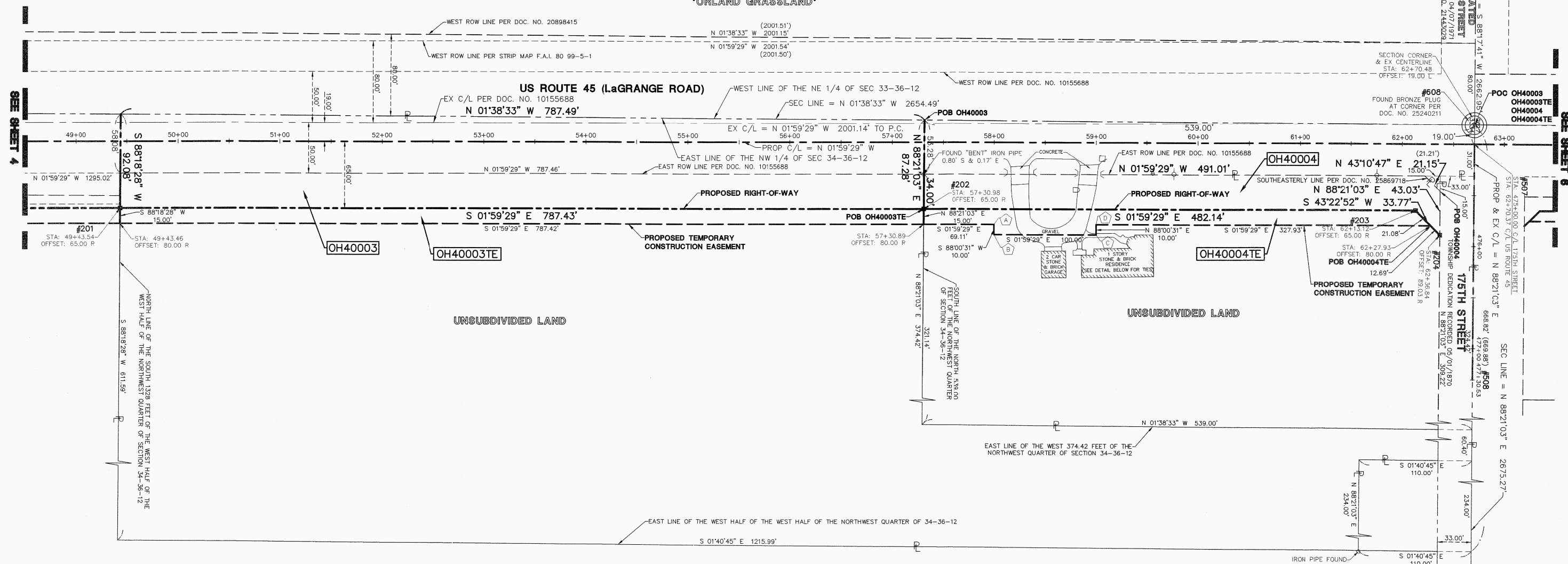
STATION 50+00 TO STATION 63+00

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

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS



UNSUBDIVIDED LAND
COOK COUNTY FOREST PRESERVE
'ORLAND GRASSLAND'



BUILDING DETAIL FOR PARCEL OH40004

SCALE: 1" = 30'

CORNER	STATION	OFFSET
A	58+00.00	80.00 R
B	58+00.00	90.00 R
C	59+00.00	90.00 R
D	59+00.00	80.00 R

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- 129.32'
- 129.32'(COMP.)
- EXISTING BUILDING
- EX. CONCRETE CURB & GUTTER
- EX. EDGE OF PAVEMENT
- EX. GUARD RAIL
- PK NAIL SET
- REPLACED AFTER CONSTRUCTION
- IRON ROD SET
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. WITNESS POINTS SET TO AID IN THE RECOVERY AND ESTABLISHMENT OF THE PROPOSED CENTERLINE OF CONSTRUCTION.
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- POINT OF BEGINNING
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- EX. MISCELLANEOUS MANHOLE (MH)
- EX. STORM MANHOLE (MH)
- EX. STORM CATCH BASIN (CB)
- EX. STORM NLET (INL)
- EX. FLARED END SECTION (FES)
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- EX. FIRE HYDRANT/AUX. VALVE
- EX. VALVE BOX
- EX. VALVE VAULT (V.V.)
- EX. IRRIGATION CONTROL BOX
- EX. ELECTRICAL METER
- EX. ELECTRICAL OUTLET
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- EX. UTILITY POLE WITH LIGHT
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- EX. STREET LIGHT
- EX. GROUND LIGHT
- EX. SIGN
- EX. DOUBLE POLE SIGN
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- EX. DOLLARD
- EX. FLAG POLE

STATE OF ILLINOIS)
COUNTY OF DuPAGE) SS

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DATED AT LOMBARD, ILLINOIS THIS 27TH DAY OF OCTOBER A.D., 2011.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350
LICENSE EXPIRES APRIL 30, 2013

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COMBINED SCALE FACTOR (GROUND TO GRID) = 0.999966013



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Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 330/US ROUTE 45
SECTION: 131st St to 179th St COOK COUNTY
PROJECT: JOB NO. R-90-004-07
STATION 50+00 TO STATION 63+00

SCALE: 1" = 50' SHEET 5 OF 55

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE	DESCRIPTION	INITIALS
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
02/14/11	PER ENGINEERING CONSULTANT MEMO	BJP

RECORDING: RECORDED ON

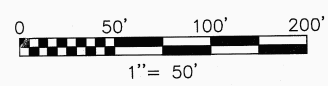
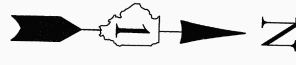
AS DOCUMENT NO

R.O.W. PLAT NOTEBOOK NO.	MADE	CHECKED	LINKED	DATE

October 5, 2011 - 11:31. Day Name: P:\dd\14\Draws\Drawings\Plot of Highways\05-STA-090-003.dwg Updated By: bwright

PT OF SW 1/4 SEC. 27 & PT OF SE 1/4 SEC 28, T36N, R12E OF THE 3RD PM, COOK CO. IL

PARCEL No.	OWNER	TOTAL HOLDINGS (ACRES)	PART TAKEN (ACRES)	PREVIOUSLY DEDICATED (ACRES)	REMAINDER (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PURPOSE OF EASEMENT	ACQUIRED BY
OH40005	HIGH STREET DEVELOPMENT, LLC	6.218	0.204	0.000	6.014	0.000	27-27-302-006 THRU 27-27-302-009	N/A	
OH40005TE-A		N/A	N/A	N/A	N/A	0.104	27-27-302-007	TEMPORARY	
OH40005TE-B		N/A	N/A	N/A	N/A	0.029	27-27-302-005	TEMPORARY	
OH40006	ALPHA MED PHYSICIAN ENTERPRISES, LLC	5.313	0.521	0.000	4.792	0.262	27-27-302-021	TEMPORARY	
OH40007	SIMBA INVESTMENTS, LLC	3.029	0.294	0.000	2.735	0.262	27-27-300-007	TEMPORARY	



F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330/US 45	131st St to 179th St	COOK	932	400
STATION 63+00 TO STATION 78+00				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

LEGEND

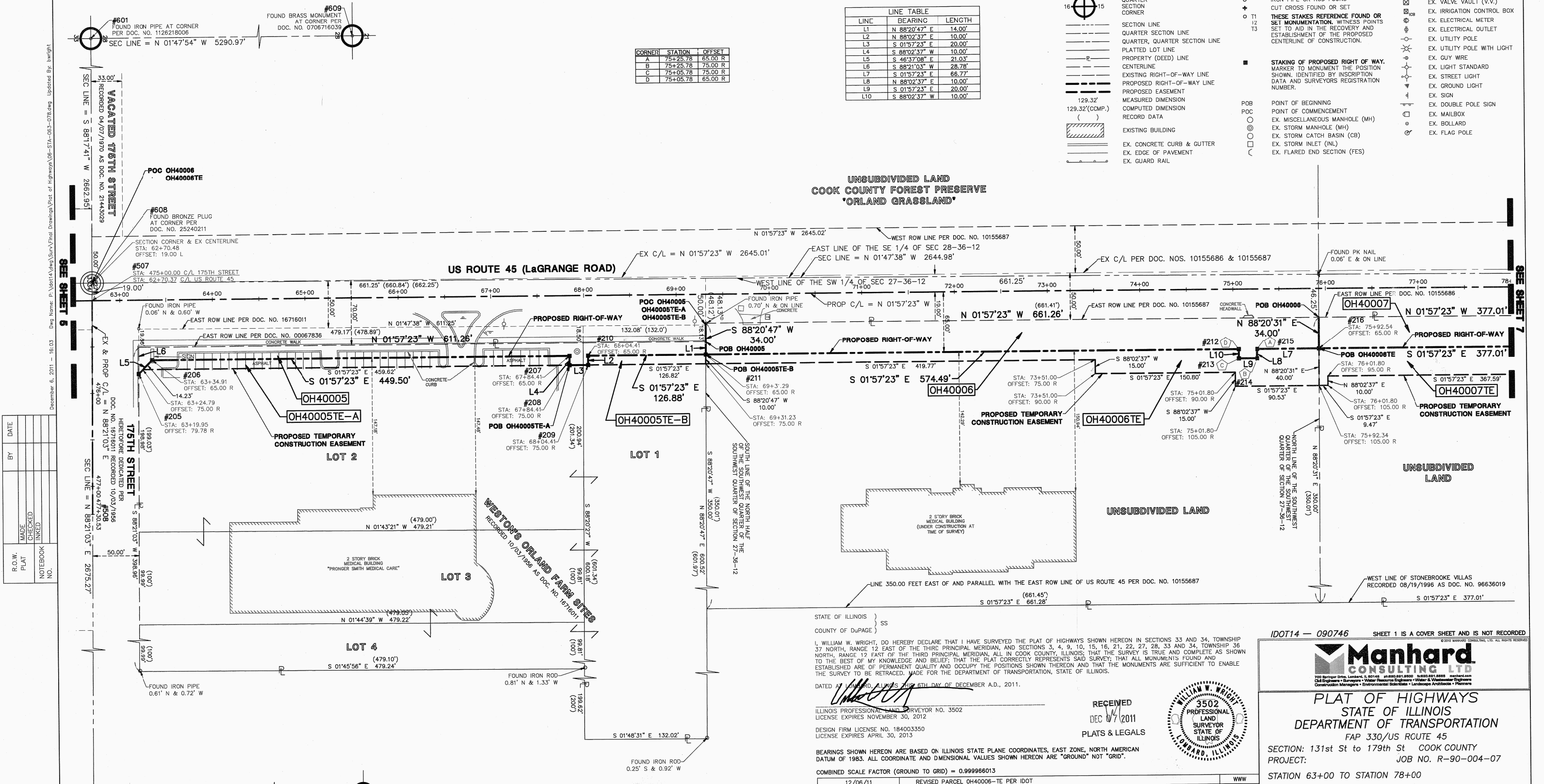
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- EX. CONCRETE CURB & GUTTER
- EX. EDGE OF PAVEMENT
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- STAKING OF PROPOSED RIGHT OF WAY. MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- POINT OF BEGINNING
- POINT OF COMMENCEMENT
- EX. MISCELLANEOUS MANHOLE (MH)
- EX. STORM MANHOLE (MH)
- EX. STORM CATCH BASIN (CB)
- EX. STORM INLET (INL)
- EX. FLARED END SECTION (FES)
- EX. SANITARY MANHOLE (SMH)
- EX. FIRE HYDRANT/AUX. VALVE
- EX. VALVE BOX
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- EX. ELECTRICAL METER
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- EX. UTILITY POLE
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- EX. LIGHT STANDARD
- EX. STREET LIGHT
- EX. GROUND LIGHT
- EX. SIGN
- EX. DOUBLE POLE SIGN
- EX. MAILBOX
- EX. BOLLARD
- EX. FLAG POLE

LINE TABLE

LINE	BEARING	LENGTH
L1	N 88°20'47" E	14.00'
L2	N 88°02'37" E	10.00'
L3	S 01°57'23" E	20.00'
L4	S 88°02'37" W	10.00'
L5	S 46°37'08" E	21.03'
L6	S 88°21'03" W	28.78'
L7	S 01°57'23" E	68.77'
L8	N 88°02'37" E	10.00'
L9	S 01°57'23" E	20.00'
L10	S 88°02'37" W	10.00'

CORNER STATION OFFSET

CORNER	STATION	OFFSET
A	75+25.78	65.00 R
B	75+25.78	75.00 R
C	75+05.78	75.00 R
D	75+05.78	65.00 R



DATE	BY	MADE	CHECKED	INKED	NOTEBOOK NO.

STATE OF ILLINOIS } SS
 COUNTY OF DuPAGE)

I, WILLIAM W. WRIGHT, DO HEREBY DECLARE THAT I HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND SECTIONS 3, 4, 9, 10, 15, 16, 21, 22, 27, 28, 33 AND 34, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAWYER, ILLINOIS THIS 6TH DAY OF DECEMBER A.D., 2011.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
 LICENSE EXPIRES NOVEMBER 30, 2012

DESIGN FIRM LICENSE NO. 184003350
 LICENSE EXPIRES APRIL 30, 2013



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 DEC 07 2011
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COMBINED SCALE FACTOR (GROUND TO GRID) = 0.9999966013

REVISION DATE	DESCRIPTION	INITIALS
12/06/11	REVISED PARCEL OH40006-TE PER IDOT	WWW
10/17/11	ISSUED FINAL SURVEY TO IDOT	BJP
08/15/11	DELETED PARCEL OH40145	WWW
07/27/11	ADDED POINT NUMBERS FOR COORDINATE TABLE	WWW
07/14/11	DELETE TEMPORARY EASEMENTS OH40145E-B & OH40145E-C	BJP
02/14/11	NEW OWNER - PARCEL OH40007	BJP
10/15/10	REVISED TOTAL HOLDING FOR PARCEL OH40145	BJP

IDOT14 - 090746 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED

Manhard CONSULTING LTD
 750 Springer Drive, Lombard, IL 60148
 Civil Engineers • Engineers • Water Resources Engineers • Water & Wastewater Engineers
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAP 330/US ROUTE 45
 SECTION: 131st St to 179th St COOK COUNTY
 PROJECT: JOB NO. R-90-004-07
 STATION 63+00 TO STATION 78+00

SCALE: 1" = 50' SHEET 6 OF 55

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

SEE SHEET 52 FOR COORDINATE VALUES FOR CENTERLINE POINTS, SECTIONS CORNERS AND ROW MONUMENTS