

SEE SHEET ER-10  
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 SHEET ER-12

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0511.dgn

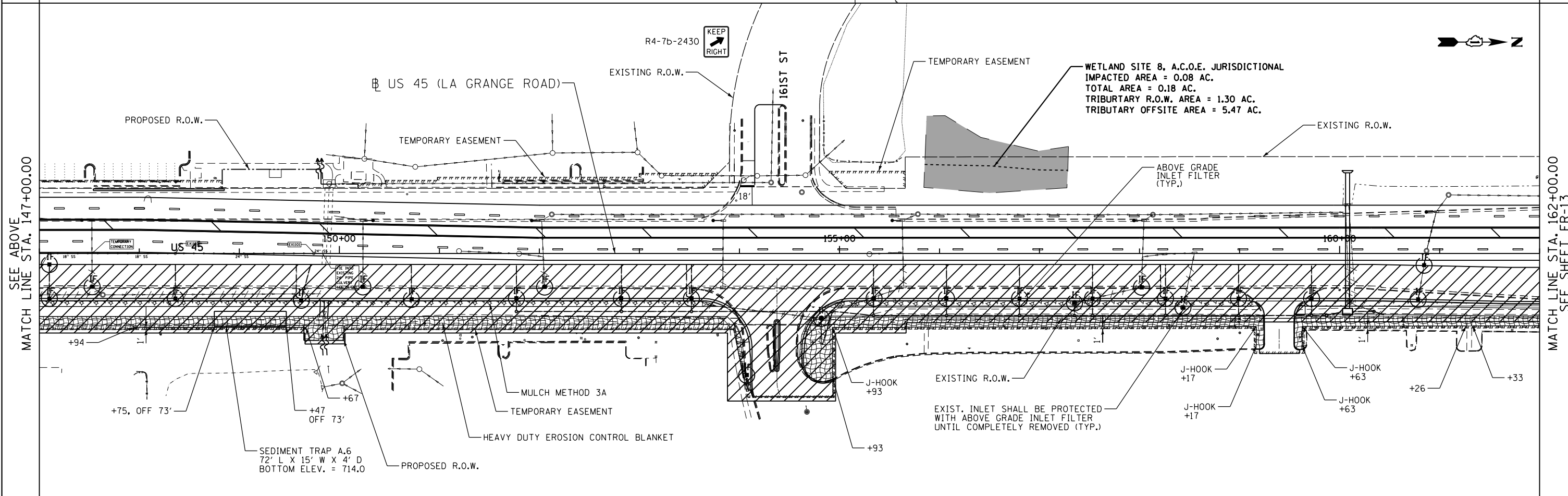
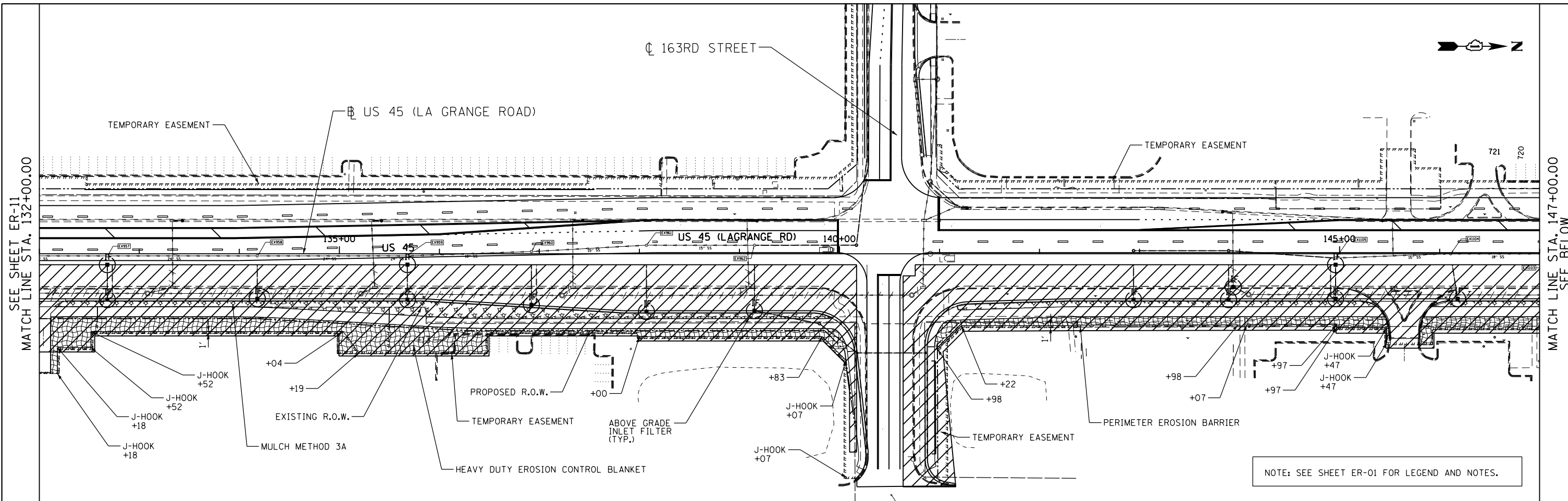
USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - M.P.	REVISED -
PLOT DATE = 3/15/2013	CHECKED - W.H.I.	REVISED -
	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE I**

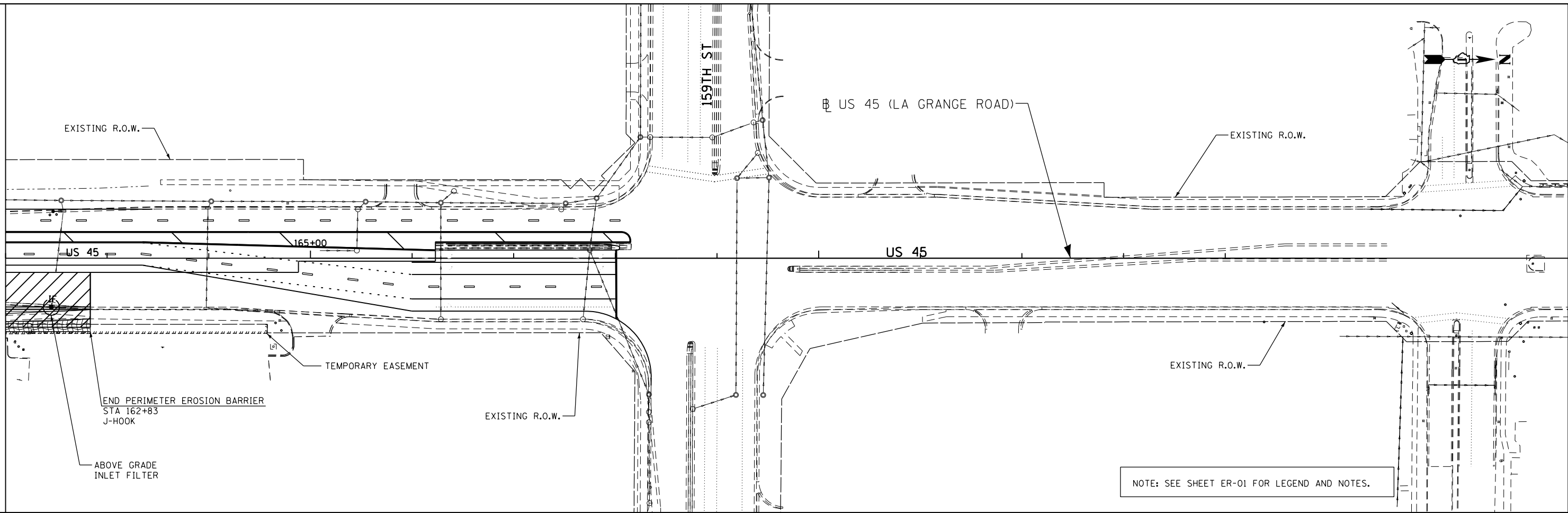
SCALE: 1"=50' SHEET NO. 4 OF 6 SHEETS STA. 102+00.00 TO STA. 132+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 201
ER-11		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



FILE NAME = D160F05-SHT-ER0512.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL PLAN</b> <b>US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE I</b>	F.A.P. R.E. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 202
	PLOT SCALE = 100.000000' / 1"	CHECKED - W.H.I.	REVISED -			<b>ER-12</b>	CONTRACT NO. = 60F05			
	PLOT DATE = 3/15/2013	DATE = 03/13/13	REVISED -			SCALE: 1"=50'	SHEET NO. 5 OF 6 SHEETS	STA. 132+00.00 TO STA. 162+00.00	ILLINOIS FED. AID PROJECT	

SEE SHEET ER-12  
MATCH LINE STA. 162+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0513.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE I**

SCALE: 1"=50' SHEET NO. 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	203
<b>ER-13</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

MAINTAIN EROSION CONTROL ITEMS INSTALLED DURING PRE-STAGE AND STAGE I

US 45 (LA GRANGE ROAD)



15+00

20+00

25+00

MATCH LINE STA. 27+00.00  
SEE BELOW

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

US 45 (LA GRANGE ROAD)

179TH STREET



ABOVE GRADE INLET FILTER, REMOVE PER THE DIRECTION OF THE ENGINEER (EYP.)

30+00

35+00

40+00

MATCH LINE STA. 27+00.00  
SEE ABOVE

MATCH LINE STA. 42+00.00  
SEE SHEET ER-15

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D:\160F05-SHT-ER0514.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

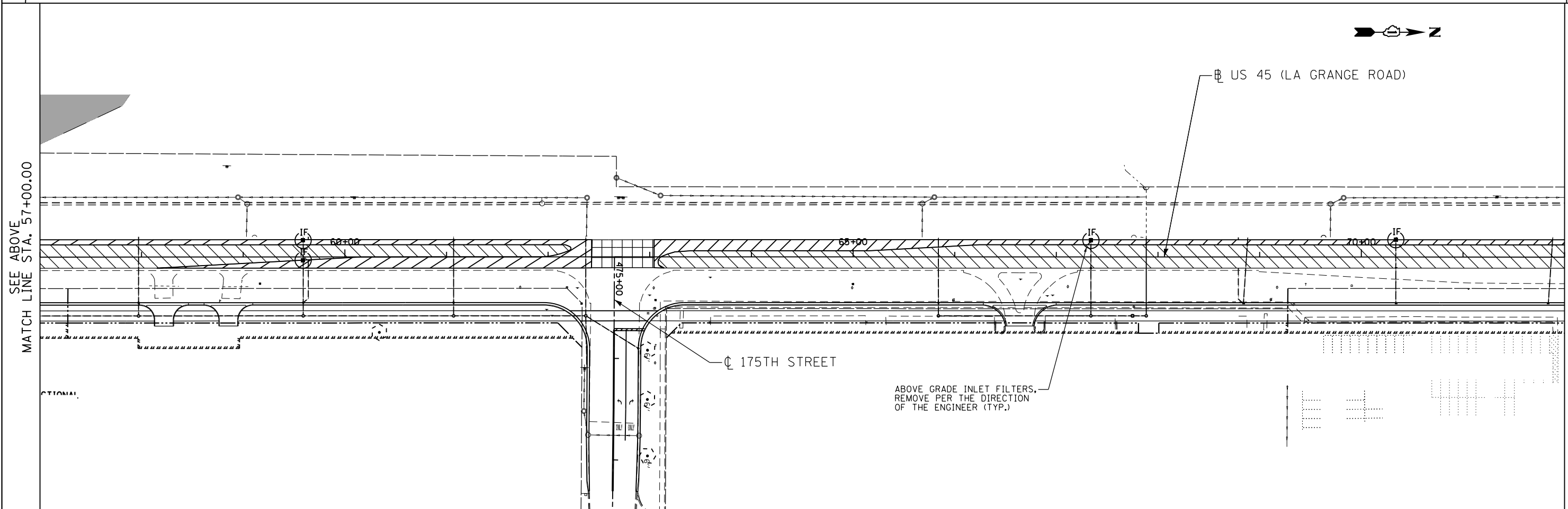
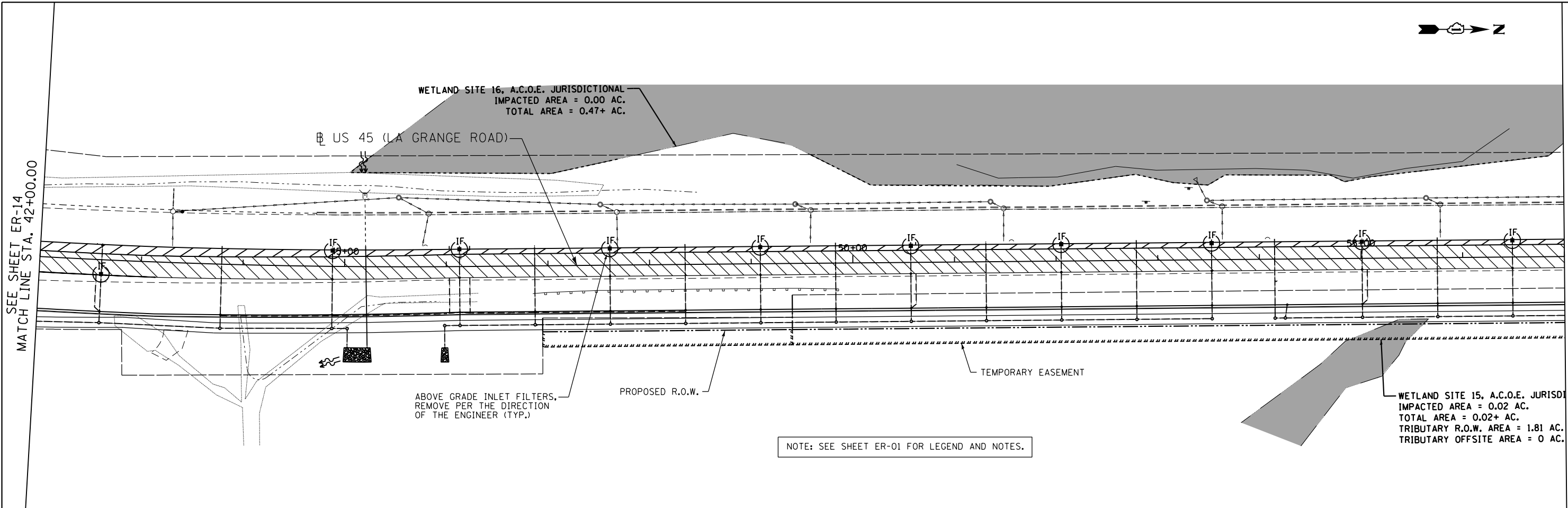
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE II

SCALE: 1"=50' SHEET NO. 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	204
<b>ER-14</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				





**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME =  
D160F05-SHT-ER0515.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

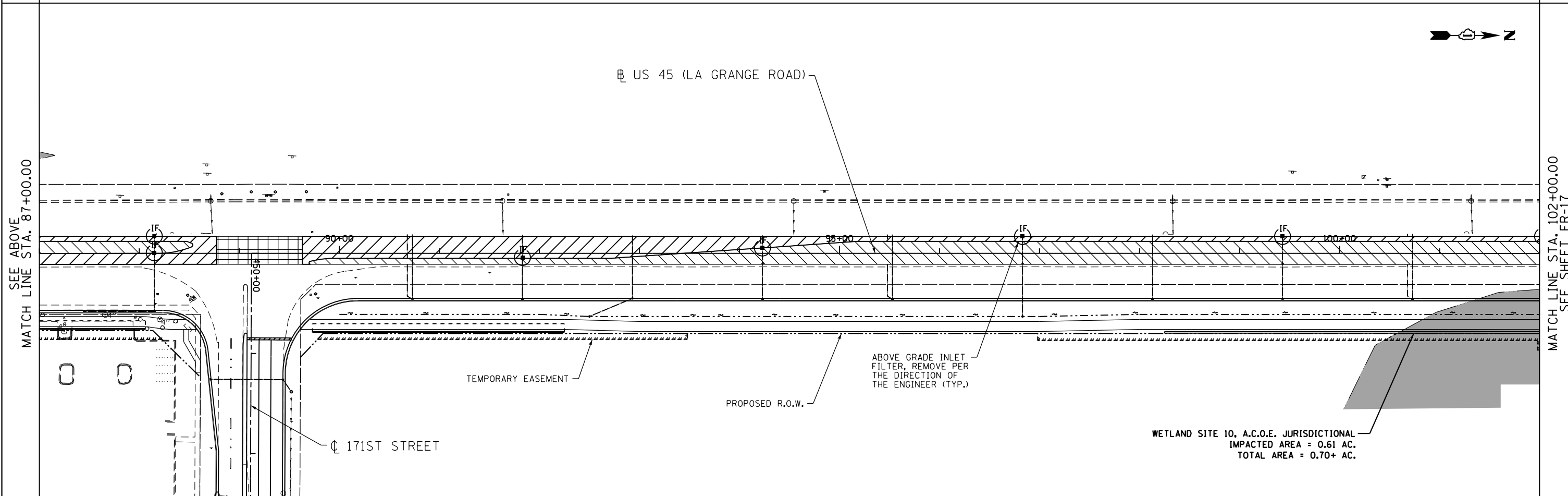
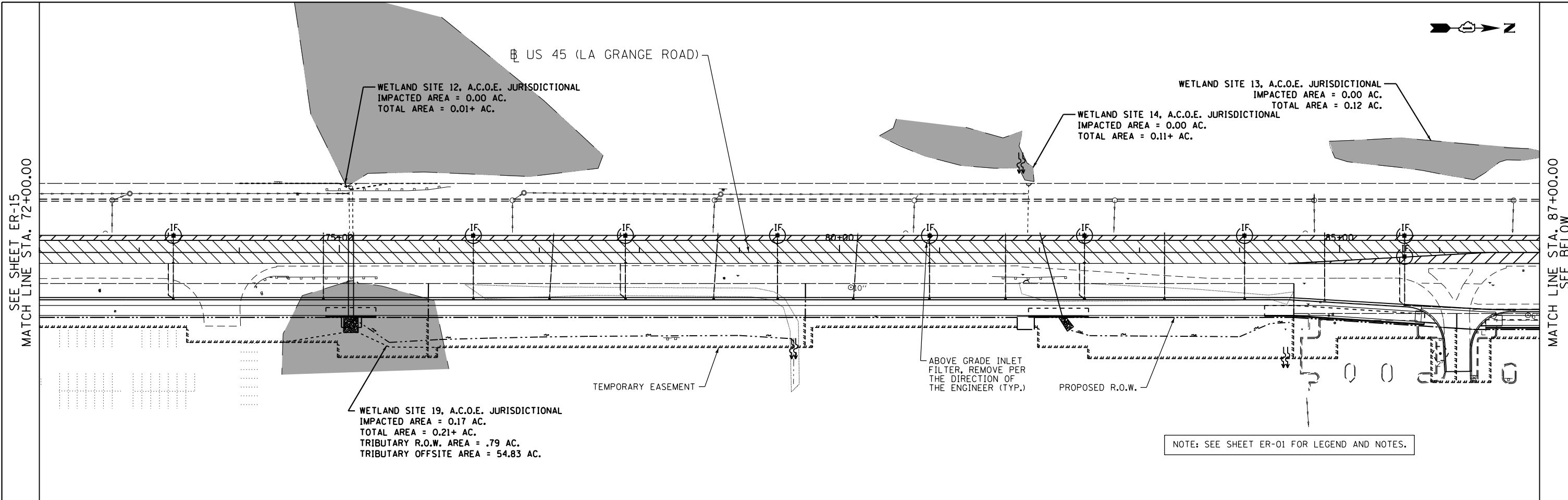
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE II**

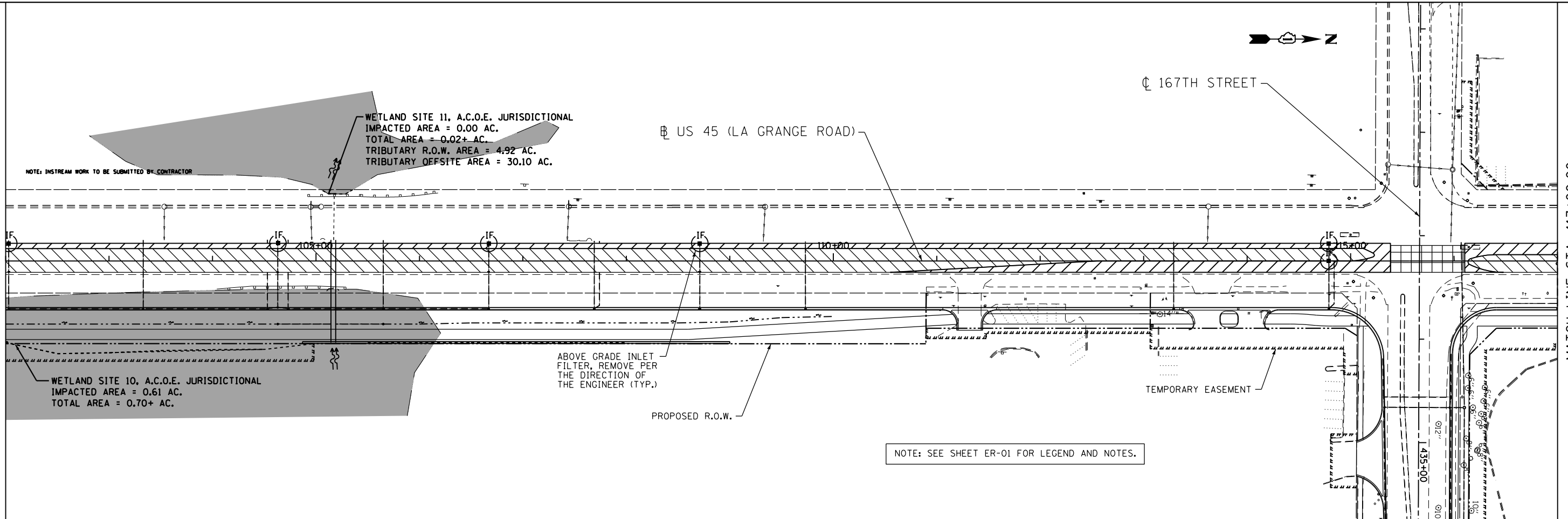
SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 42+00.00 TO STA. 72+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	205
<b>ER-15</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



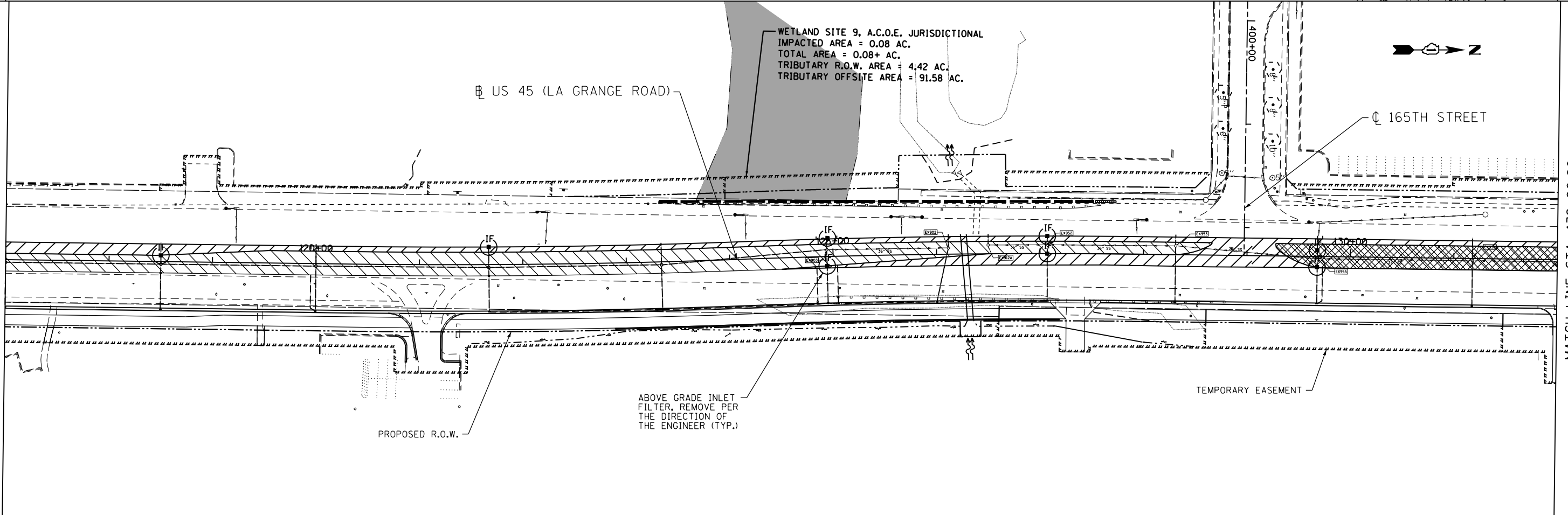
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		DRAWN - M.P.	REVISED -					330	103R-3	COOK	932	206
		PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.					REVISED -	<b>ER-16</b>		CONTRACT NO. 60F05	
		PLOT DATE = 3/15/2013	DATE - 03/13/13					REVISED -	SCALE: 1"=50'			SHEET NO. 3 OF 6 SHEETS

SEE SHEET ER-16  
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 SHEET ER-18

FILE NAME =	USER NAME = Anthony.Plutz
D160F05-SHT-ER0517.dgn	

DESIGNED - L.N.	REVISD -
DRAWN - M.P.	REVISD -
CHECKED - W.H.I.	REVISD -
DATE - 03/13/13	REVISD -

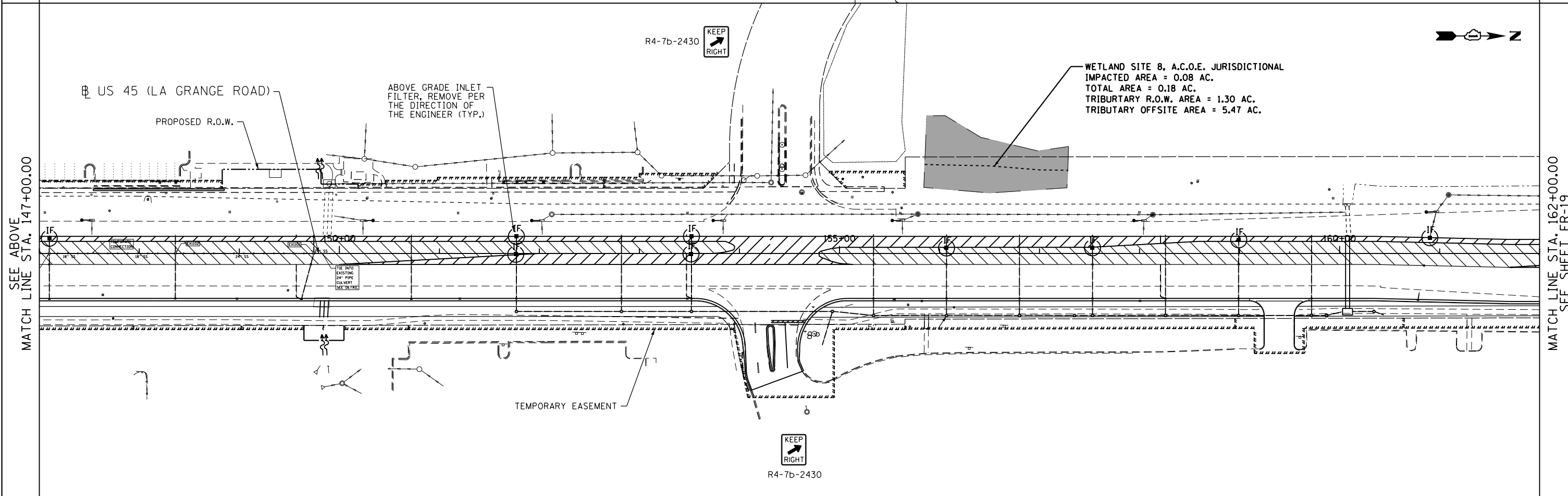
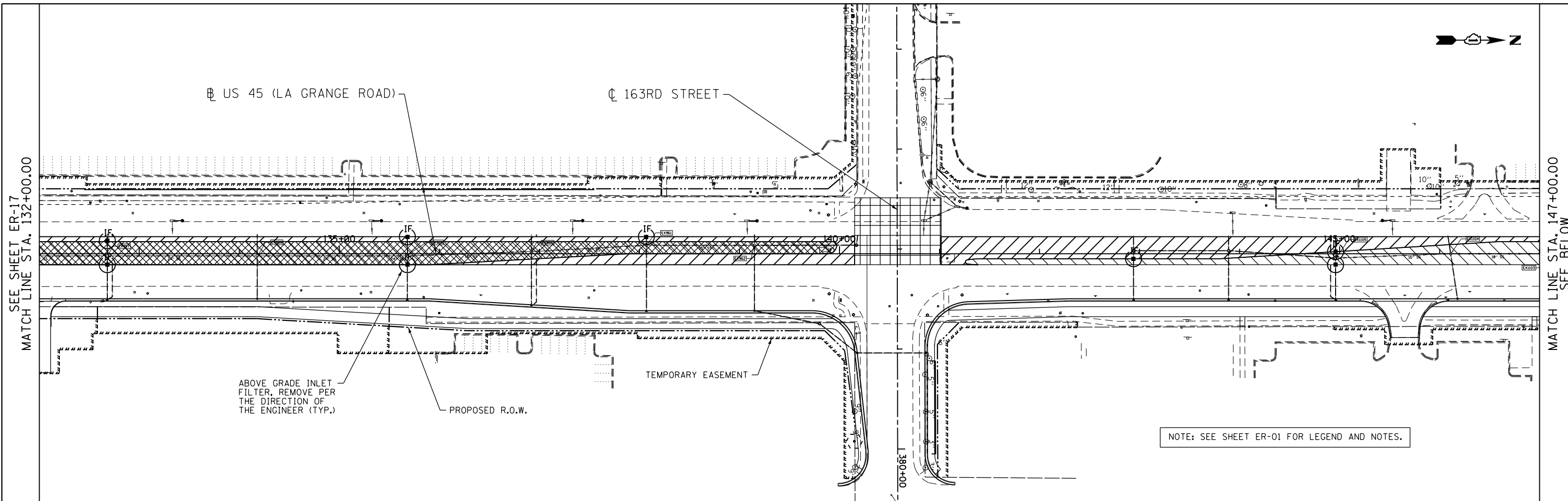
PLOT SCALE = 100.000000' / 1" =
PLOT DATE = 3/15/2013

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

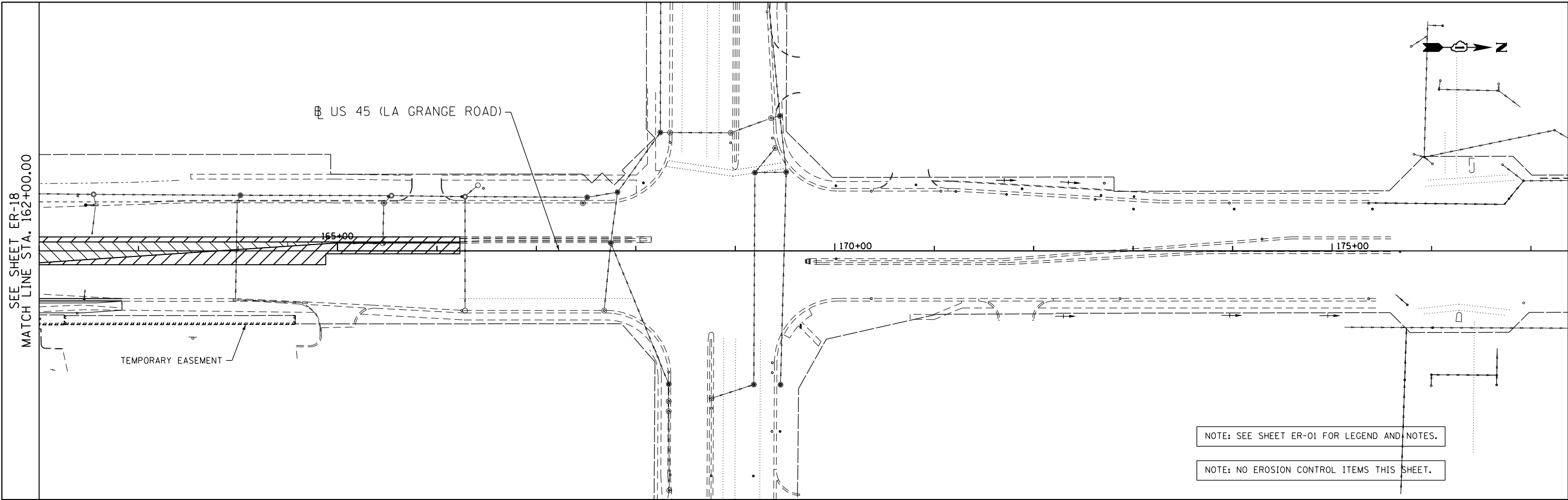
**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE II**

SCALE: 1"=50'    SHEET NO. 4 OF 6 SHEETS    STA. 102+00.00 TO STA. 132+00.00

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	207
<b>ER-17</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



FILE NAME = D160F05-SHT-ER0518.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL PLAN US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE II</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 208
	PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.	REVISED -			<b>ER-18</b>		CONTRACT NO. 60F05		ILLINOIS FED. AID PROJECT
PLOT DATE = 3/15/2013	DATE = 03/13/13	REVISED -		SCALE: 1"=50'		SHEET NO. 5 OF 6 SHEETS		STA. 132+00.00 TO STA. 162+00.00		



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME =  
D160F05-SHT-ER0519.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" =  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE II**

SCALE: 1"=50' SHEET NO. 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	209
<b>ER-19</b>			<b>CONTRACT NO. 60F05</b>	
<small>ILLINOIS FED. AID PROJECT</small>				

UTILIZE THE EROSION CONTROL FROM PRE-STAGE. REPAIR, REPLACE ANY DAMAGE AS NEEDED OR AS DIRECTED BY THE ENGINEER. (TYP.)

US 45 (LA GRANGE ROAD)

DITCH CHECK 50' C-C, 1' HIGH

HEAVY DUTY EROSION CONTROL BLANKET

INLET FILTER (TYP.)

15+00

20+00

25+00

TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 3A

MAINTAIN SEDIMENT TRAP INSTALLED IN STAGE 1 (100' x 20' x 4', BOTTOM ELEV. = 727.00)

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 27+00.00 SEE BELOW

EXISTING R.O.W.

TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 3A

179TH STREET

SODDING - 2' UP SLOPE ON EITHER SIDE OF DITCH. (SEE DITCH CHECK DETAIL)

TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 3A

US 45 (LA GRANGE ROAD)

START STA: 37+30  
TEMP. DITCH CHECKS  
@100' C-C AND 1' HIGH

ABOVE GRADE INLET FILTER (TYP.)

SEE ABOVE  
MATCH LINE STA. 27+00.00

30+00

35+00

40+00

ABOVE GRADE INLET FILTER (TYP.)

EXISTING R.O.W.

TEMPORARY EASEMENT

SEE SHEET ER-21  
MATCH LINE STA. 42+00.00

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

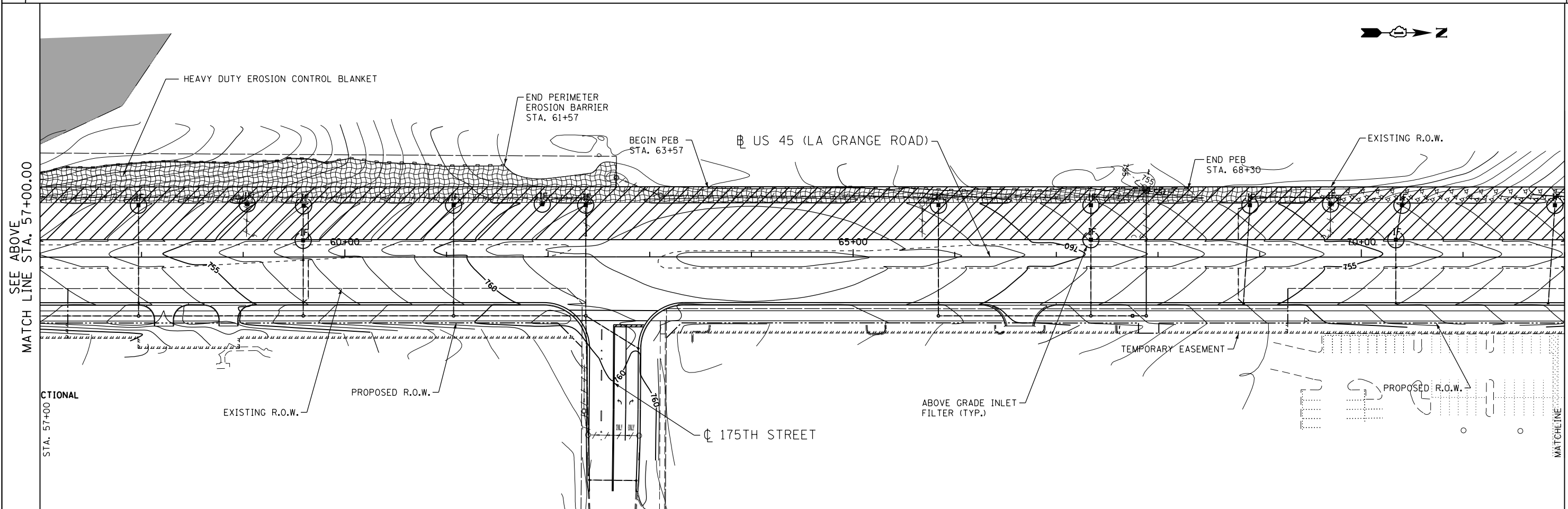
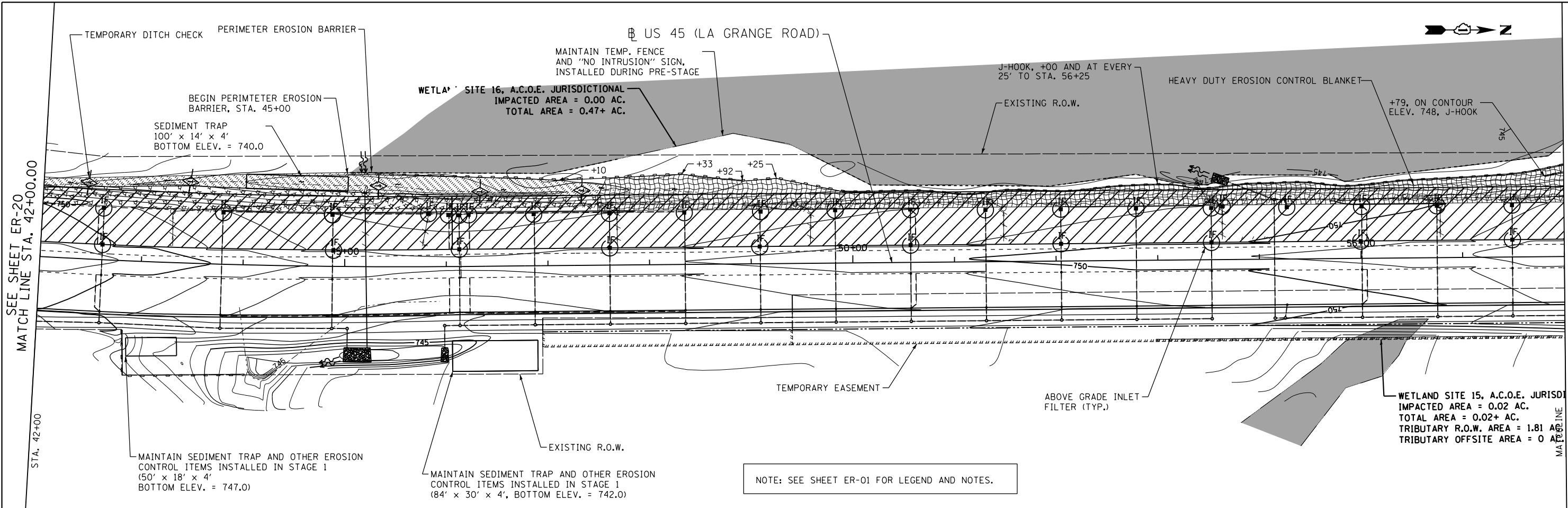
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	PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE III**

SCALE: 1"=50' SHEET NO. 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	210
<b>ER-20</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0521.dgn

USER NAME = Anthony.Plutz  
DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

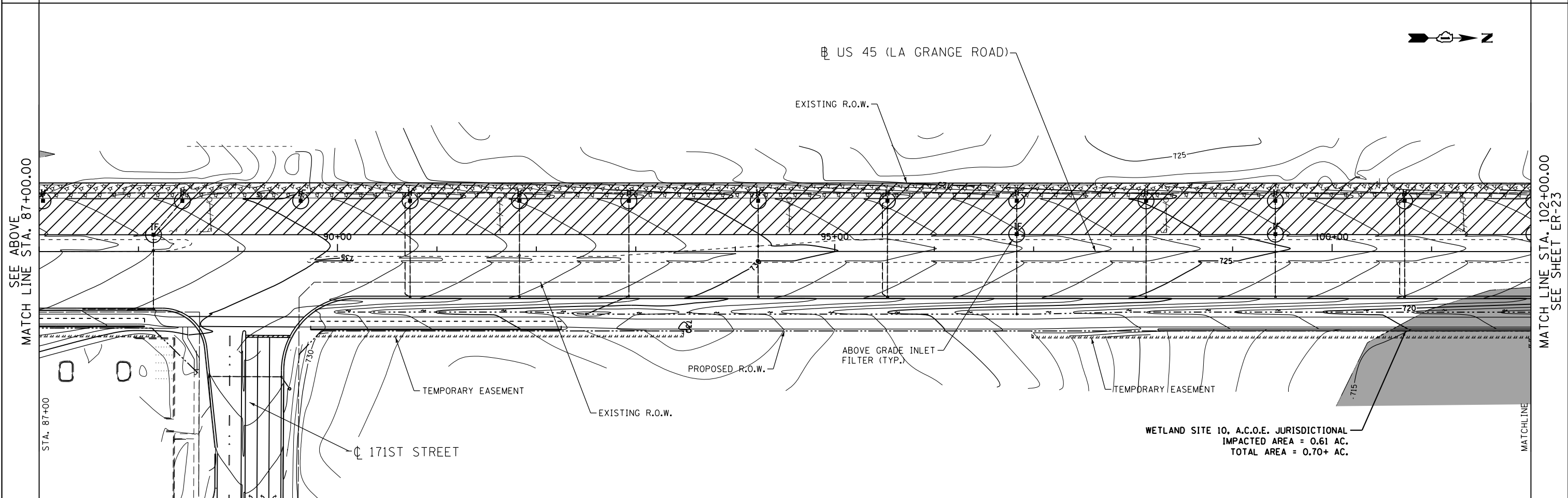
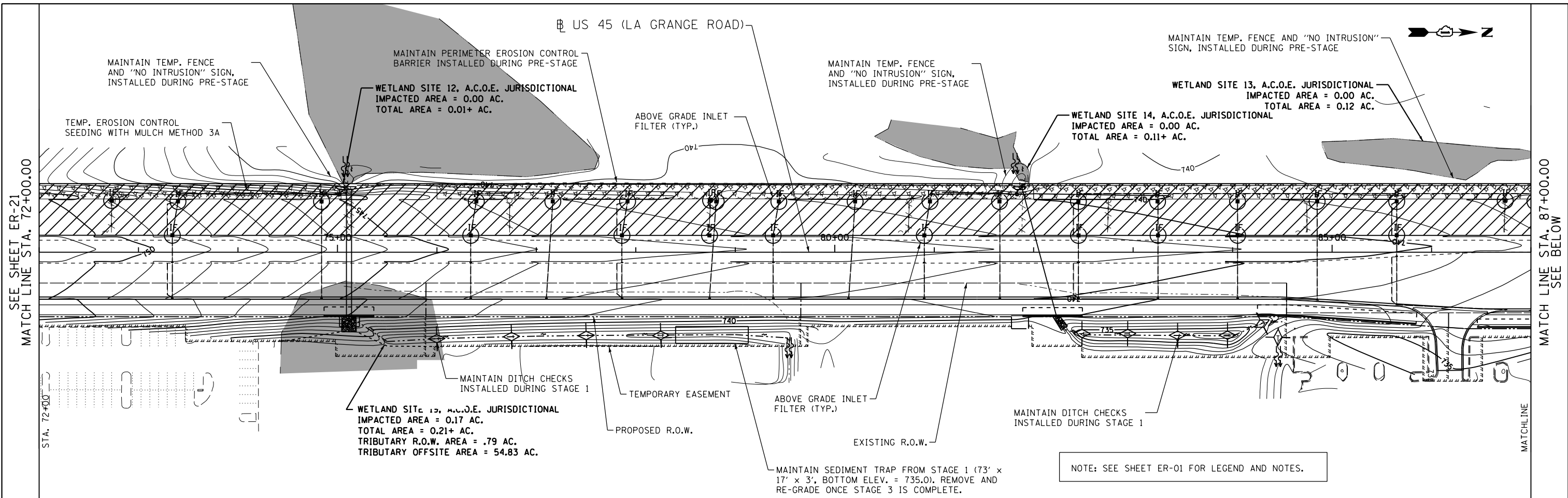
REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE III**

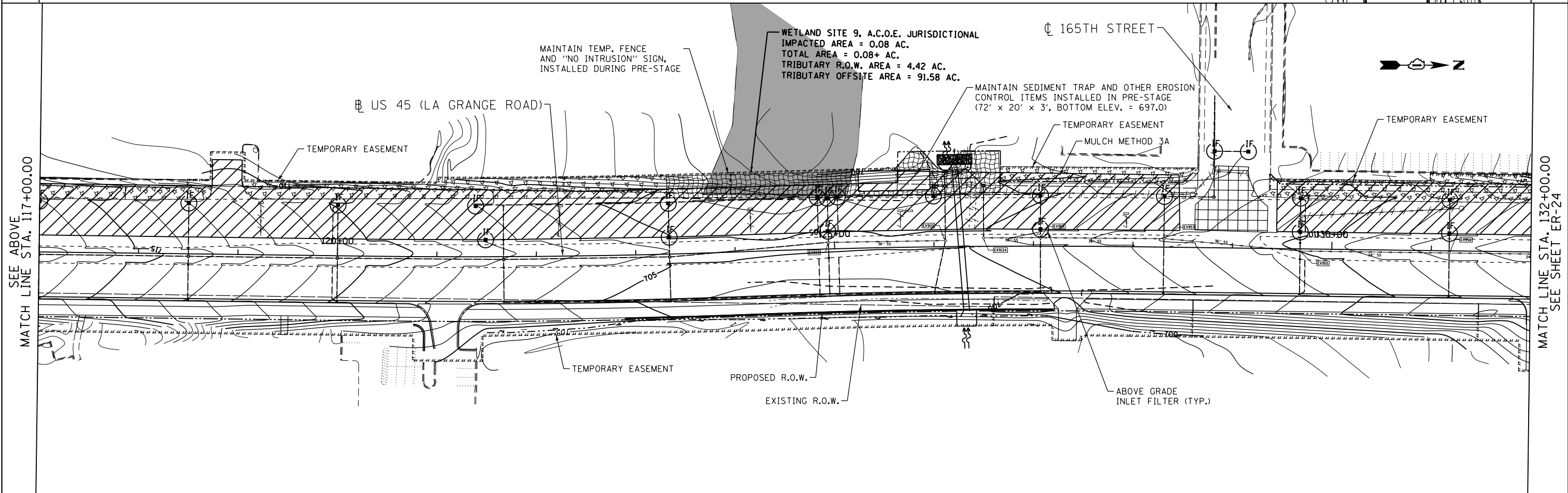
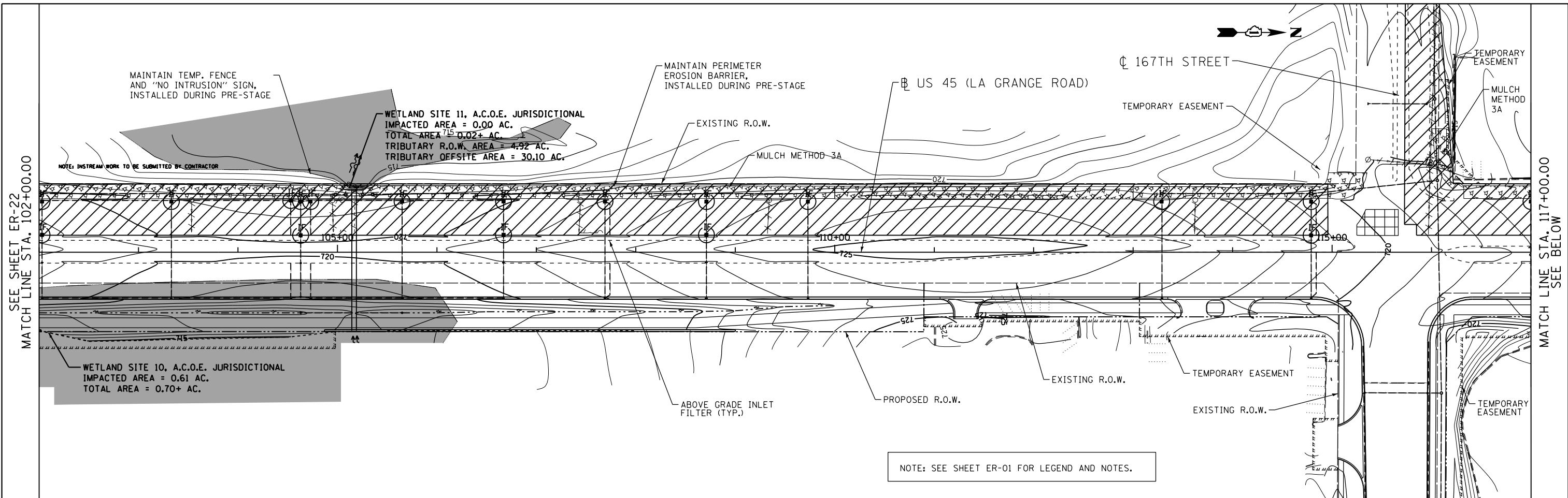
SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 42+00.00 TO STA. 72+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	211
<b>ER-21</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



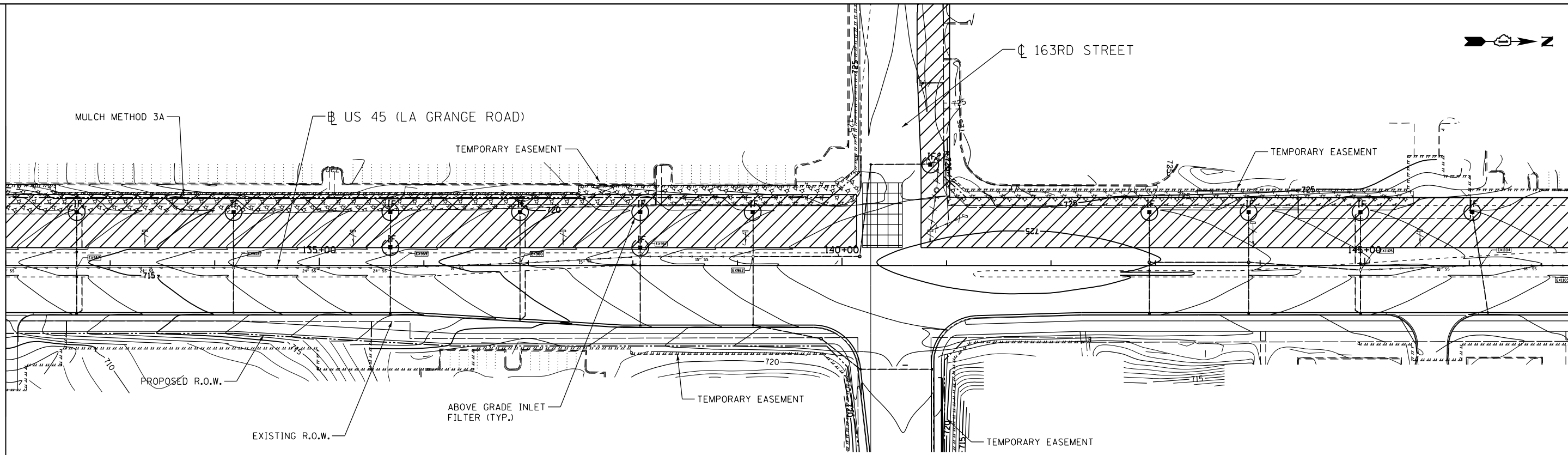
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PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISIED -	SCALE: 1"=50'			SHEET NO. 3 OF 6 SHEETS	STA. 72+00.00 TO STA. 102+00.00	<b>ER-22</b>		CONTRACT NO. 60F05	ILLINOIS FED. AID PROJECT
PLOT DATE = 3/15/2013	DATE = 03/13/13	REVISIED -									





FILE NAME = D160F05-SHT-ER0523.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL PLAN US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE III</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 213	
PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -	SCALE: 1"=50'			SHEET NO. 4 OF 6 SHEETS	STA. 102+00.00 TO STA. 132+00.00	<b>ER-23</b>		CONTRACT NO. 60F05	ILLINOIS FED. AID PROJECT
PLOT DATE = 3/15/2013	DATE = 03/13/13	REVISED -									

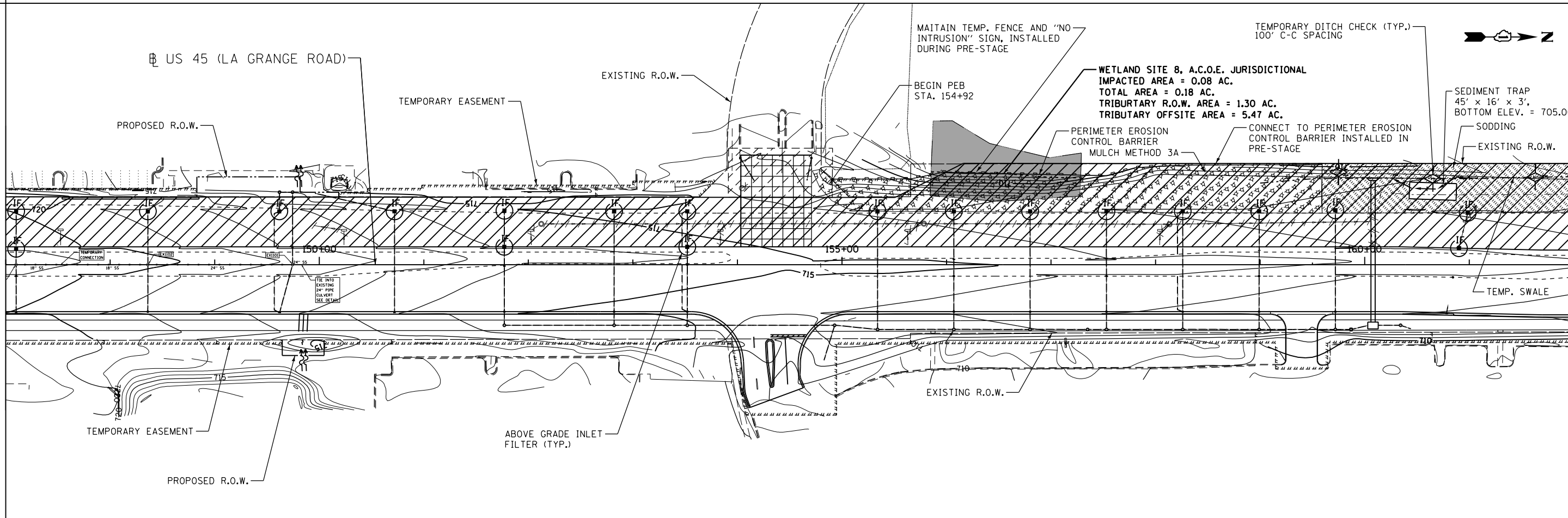
SEE SHEET ER-23  
MATCH LINE STA. 132+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 147+00.00  
SEE BELOW

SEE ABOVE  
MATCH LINE STA. 147+00.00



MATCH LINE STA. 162+00.00  
SEE SHEET ER-25

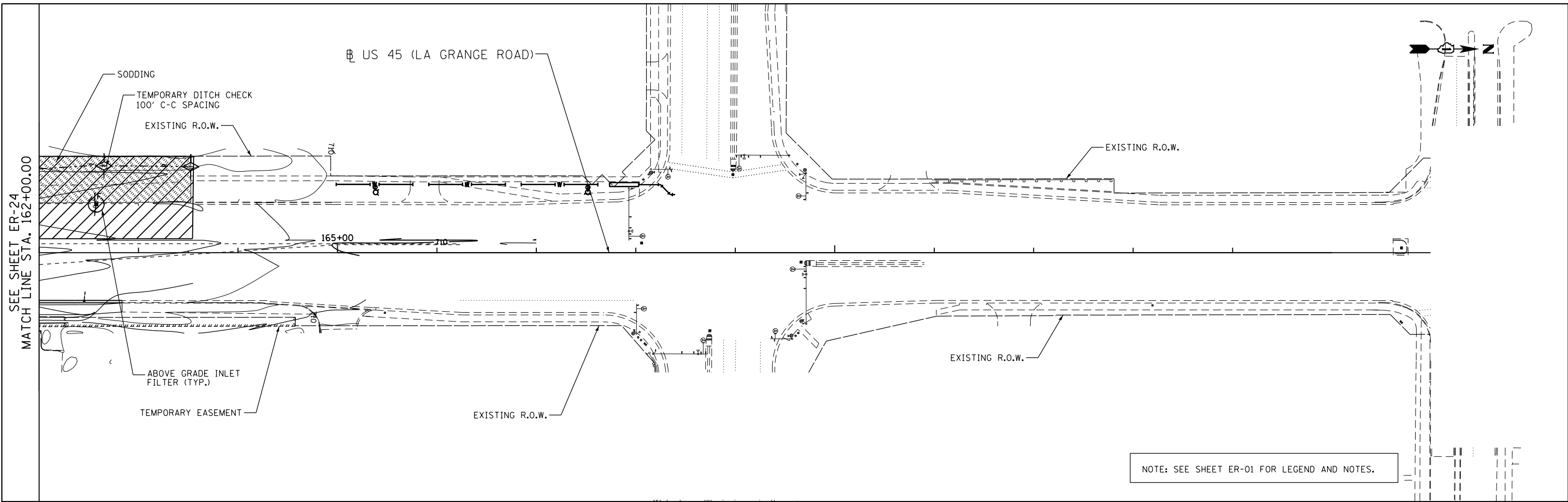
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		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE III**

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. 132+00.00 TO STA. 162+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	214
<b>ER-24</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



FILE NAME =  
D:\160F05-SHT-ER0525.dgn

USER NAME = Anthony.Plutz

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

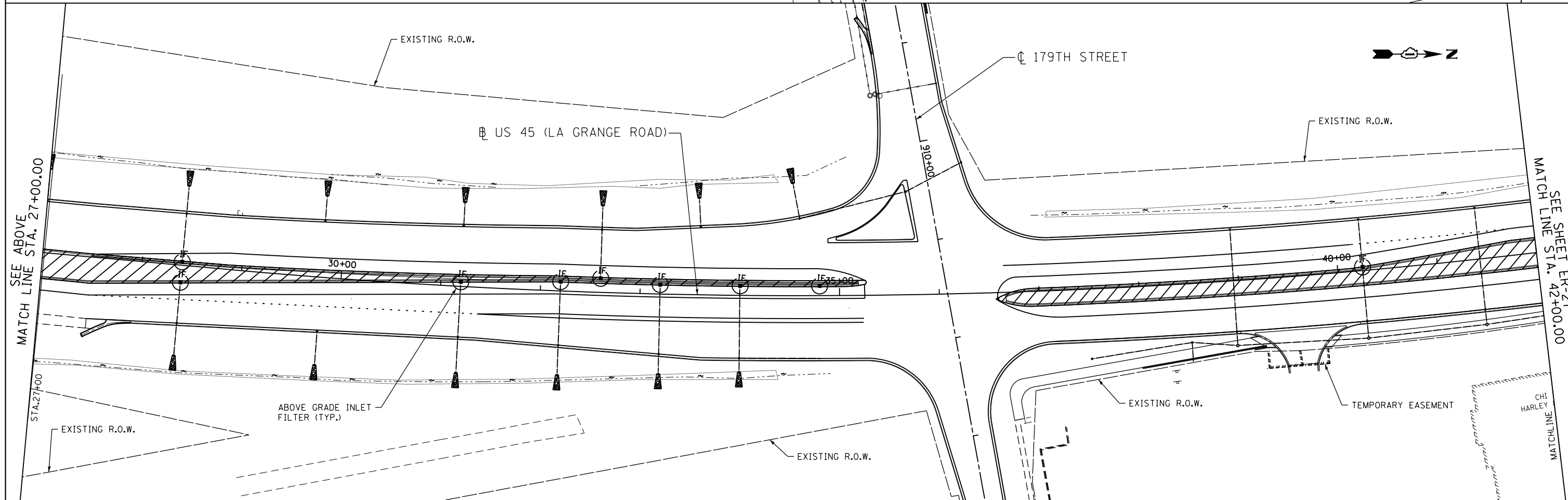
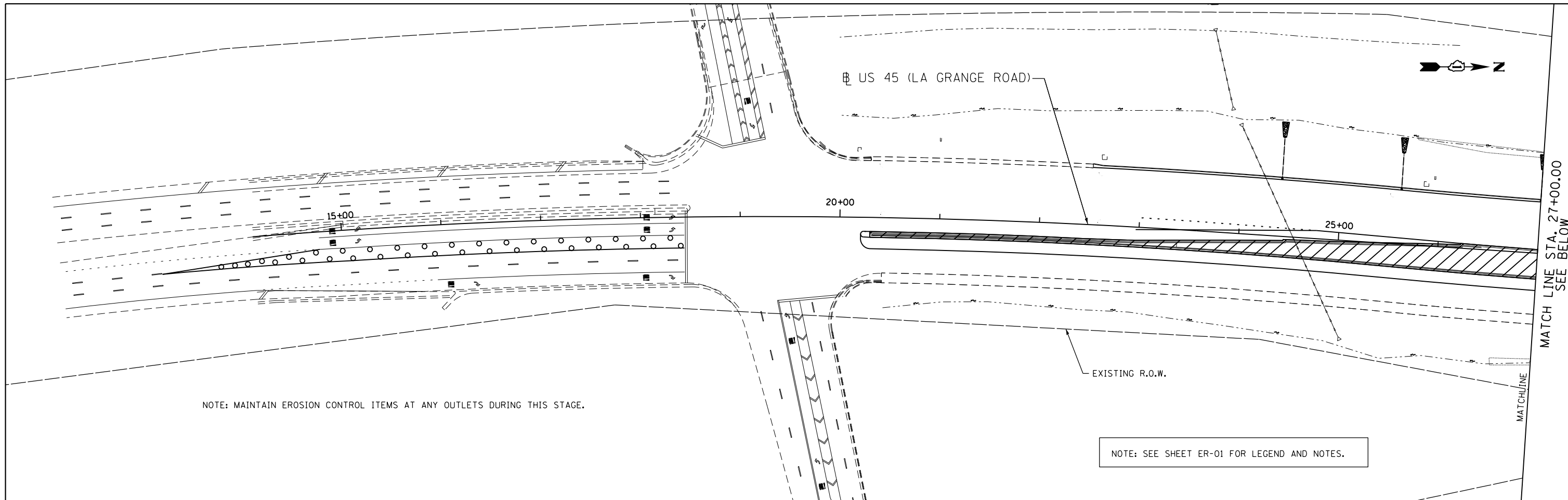
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE III**

SCALE: 1"=50' SHEET NO. 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	215
<b>ER-25</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

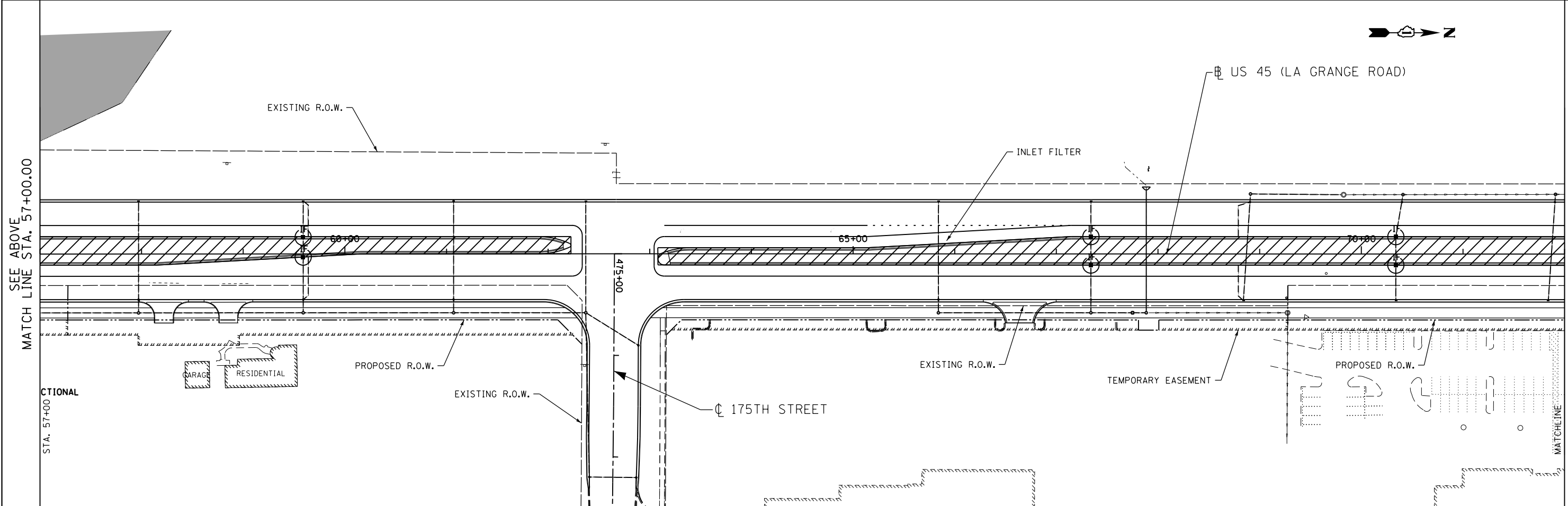
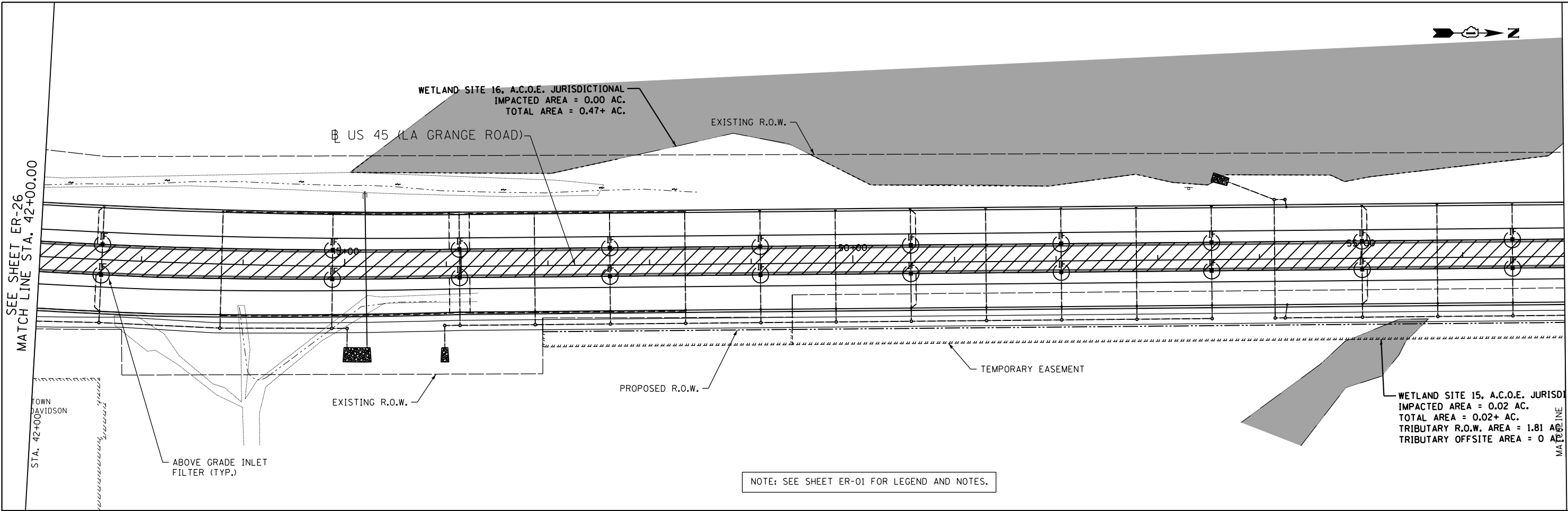
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	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

SCALE: 1"=50'    SHEET NO. 1 OF 6 SHEETS    STA. BEGIN TO STA. 42+00.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 216
<b>ER-26</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0527.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 42+00.00 TO STA. 72+00.00

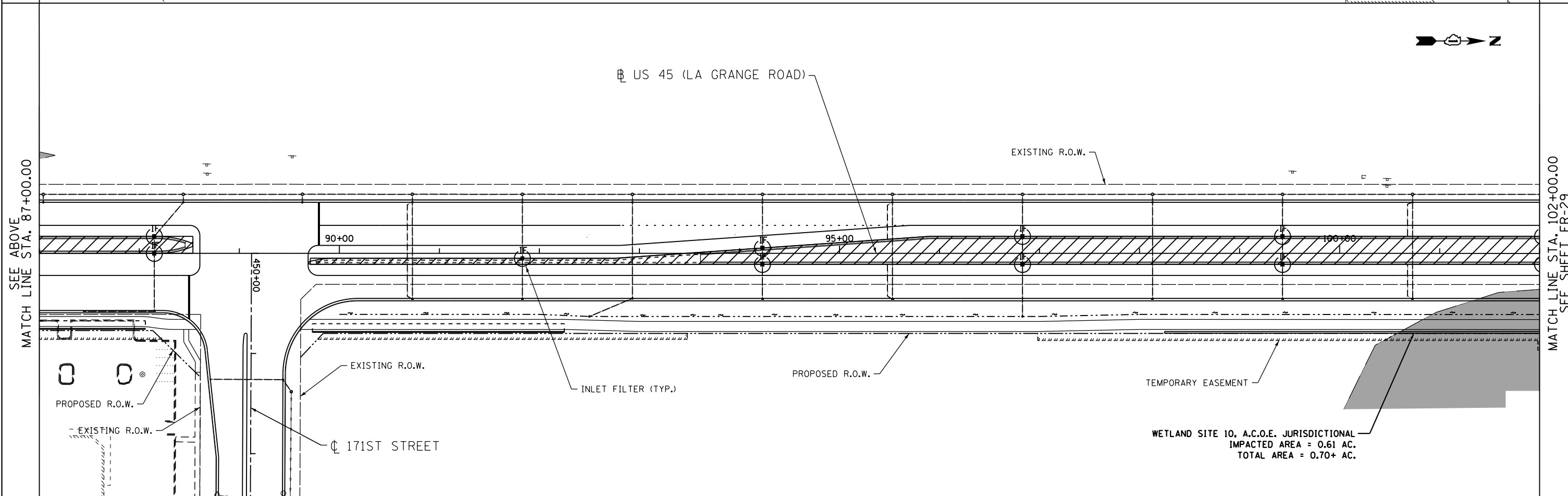
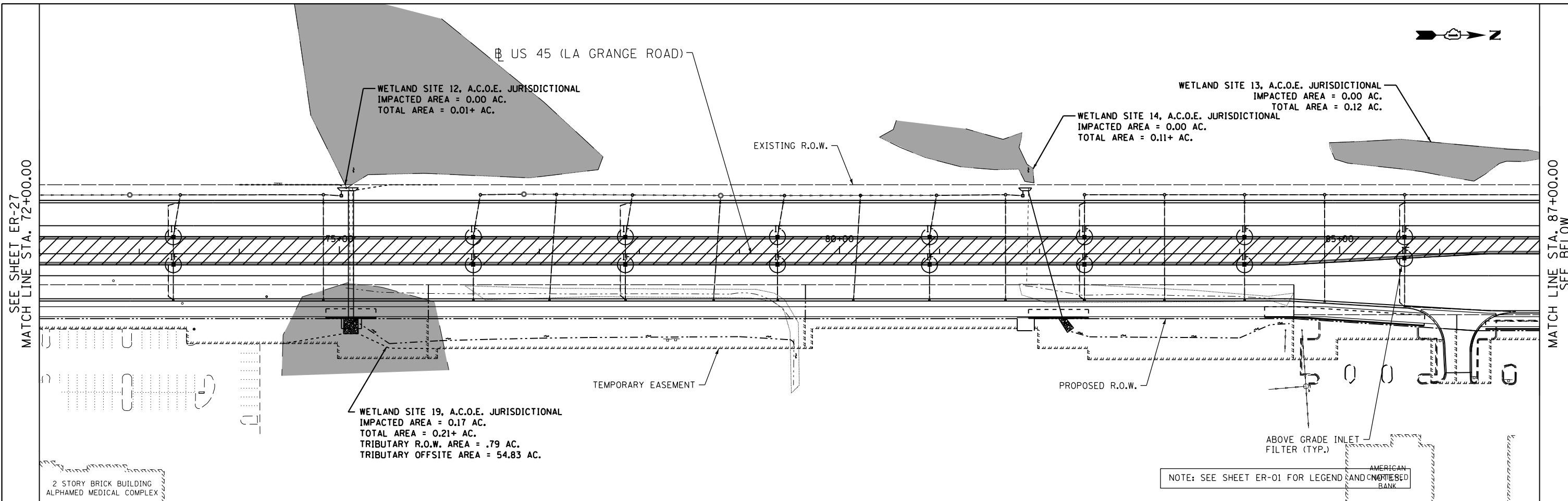
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	217
<b>ER-27</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE SHEET ER-27  
MATCH LINE STA. 72+00.00

SEE ABOVE  
MATCH LINE STA. 87+00.00

MATCH LINE STA. 87+00.00  
SEE BELOW

MATCH LINE STA. 102+00.00  
SEE SHEET ER-29



FILE NAME = D160F05-SHT-ER0528.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

SCALE: 1"=50'    SHEET NO. 3 OF 6 SHEETS    STA. 72+00.00 TO STA. 102+00.00

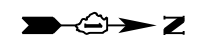
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	218
<b>ER-28</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE SHEET ER-28  
MATCH LINE STA. 102+00.00

SEE ABOVE  
MATCH LINE STA. 117+00.00

MATCH LINE STA. 117+00.00  
SEE BELOW

MATCH LINE STA. 132+00.00  
SEE SHEET ER-30



CL 167TH STREET

CL US 45 (LA GRANGE ROAD)

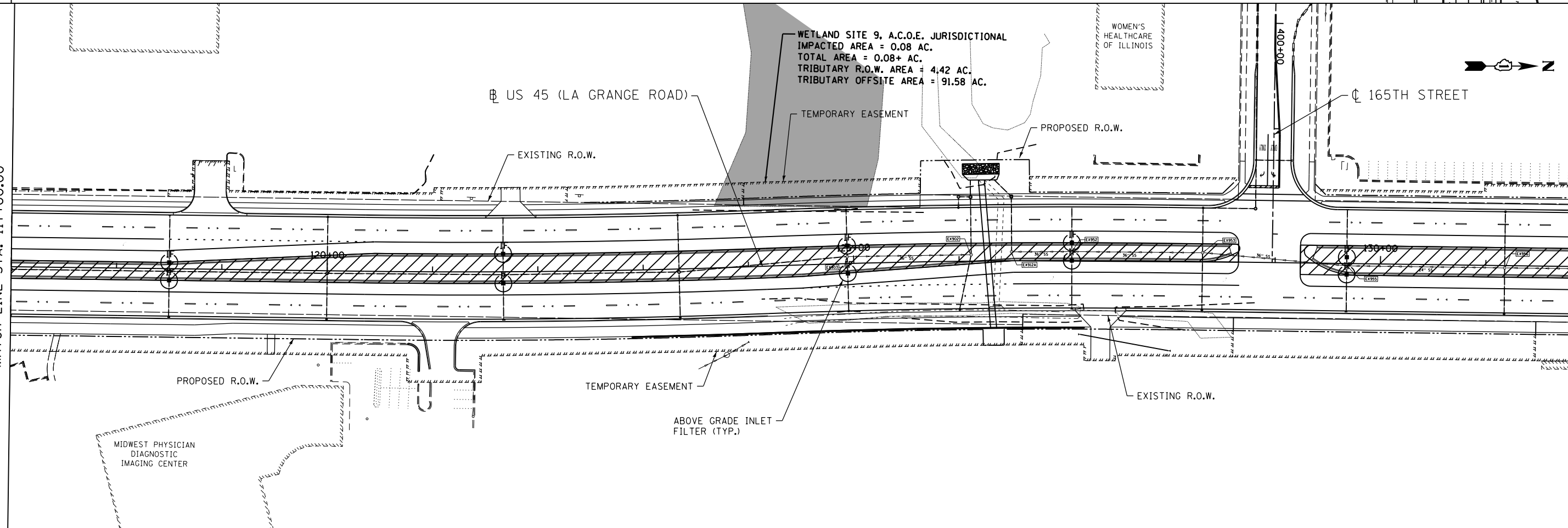
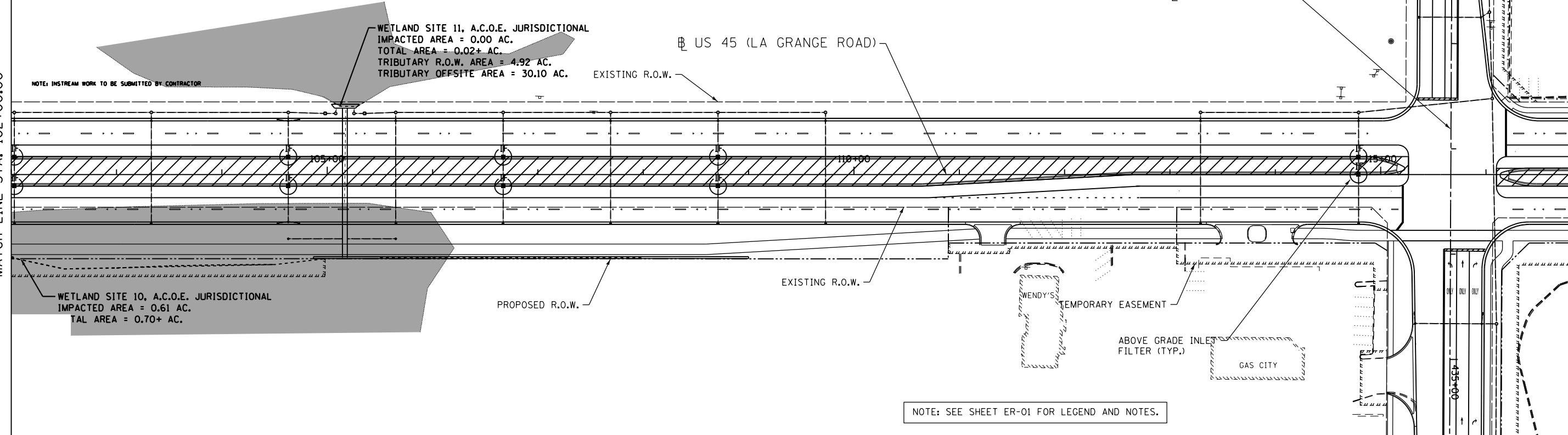
CL 165TH STREET

WETLAND SITE 11, A.C.O.E. JURISDICTIONAL  
IMPACTED AREA = 0.00 AC.  
TOTAL AREA = 0.02+ AC.  
TRIBUTARY R.O.W. AREA = 4.92 AC.  
TRIBUTARY OFFSITE AREA = 30.10 AC.

WETLAND SITE 9, A.C.O.E. JURISDICTIONAL  
IMPACTED AREA = 0.08 AC.  
TOTAL AREA = 0.08+ AC.  
TRIBUTARY R.O.W. AREA = 4.42 AC.  
TRIBUTARY OFFSITE AREA = 91.58 AC.

NOTE: INSTREAM WORK TO BE SUBMITTED BY CONTRACTOR

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



FILE NAME =  
D160F05-SHT-ER0529.dgn

USER NAME = Anthony.Plutz  
DESIGNED - L.N.  
DRAWN - M.P.  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

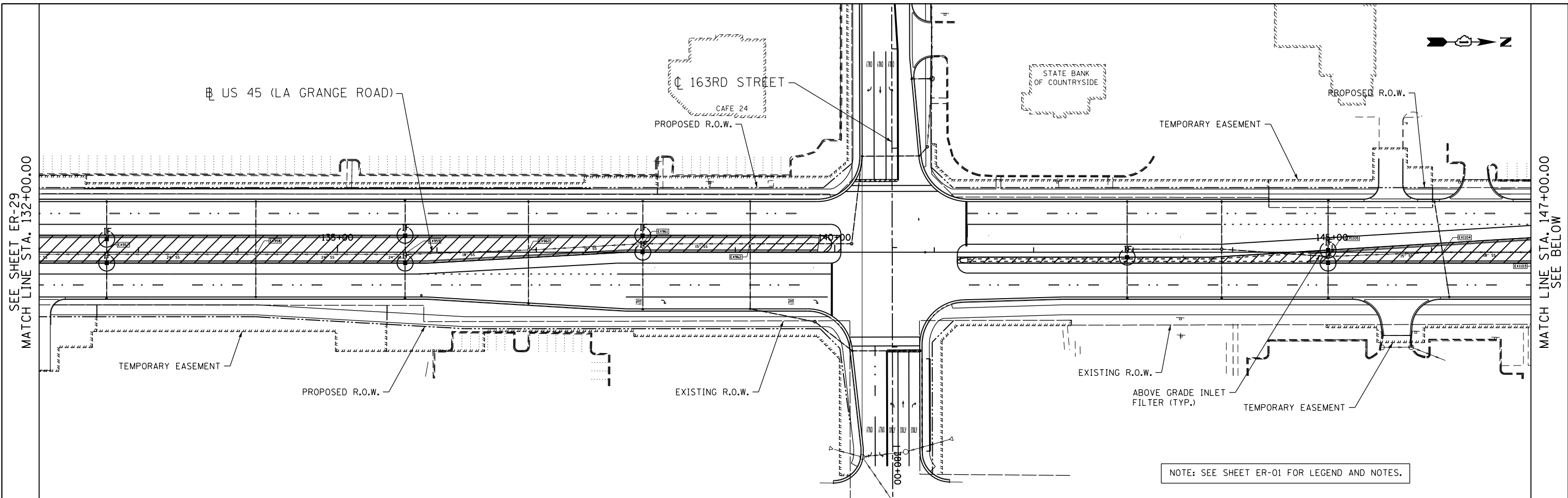
REVISOR -  
REVISION -  
CHECKED - W.H.I.  
DATE - 03/13/13

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	219
<b>ER-29</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

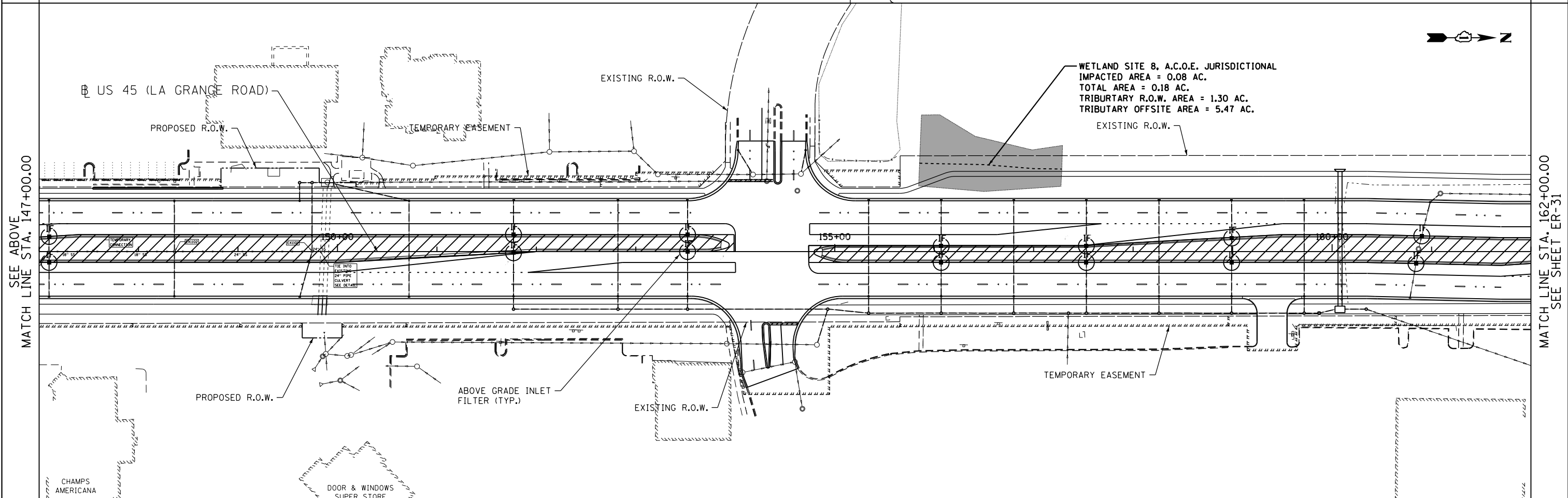
SCALE: 1"=50' SHEET NO. 4 OF 6 SHEETS STA. 102+00.00 TO STA. 132+00.00



SEE SHEET ER-29  
MATCH LINE STA. 132+00.00

MATCH LINE STA. 147+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



SEE ABOVE  
MATCH LINE STA. 147+00.00

MATCH LINE STA. 162+00.00  
SEE SHEET ER-31

FILE NAME = D160F05-SHT-ER0530.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

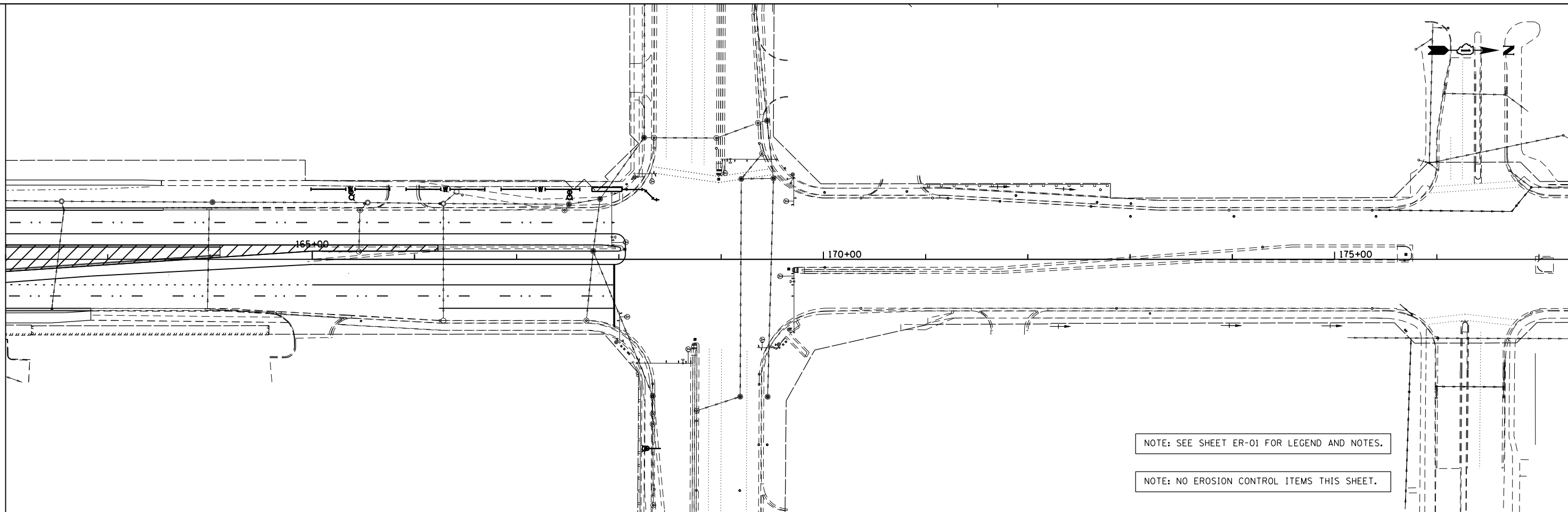
**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	220
<b>ER-30</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. 132+00.00 TO STA. 162+00.00



SEE SHEET ER-30  
MATCH LINE STA. 162+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME =  
D160F05-SHT-ER0531-rev.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
US 45 (LAGRANGE ROAD) - SOUTH CONTRACT - STAGE IV**

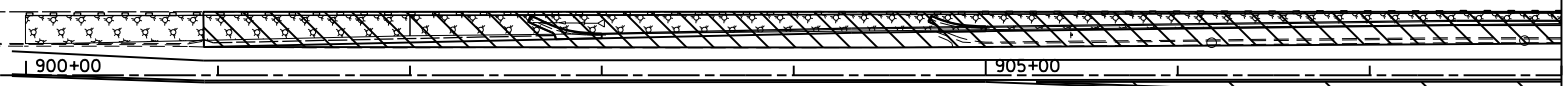
SCALE: 1"=50' SHEET NO. 6 OF 6 SHEETS STA. 162+00.00 TO STA. END

F.F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	221
<b>ER-31</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



179TH STREET

MINIMIZE DISTURBANCE DURING PRESTAGE  
MULCH METHOD 3A, AS NEEDED  
PER THE ENGINEER (TYP.)



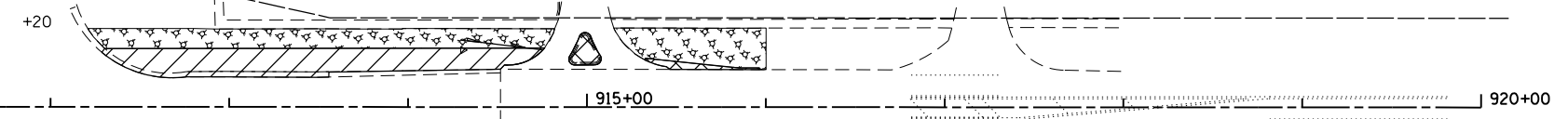
MATCH LINE STA. 908+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



179TH STREET

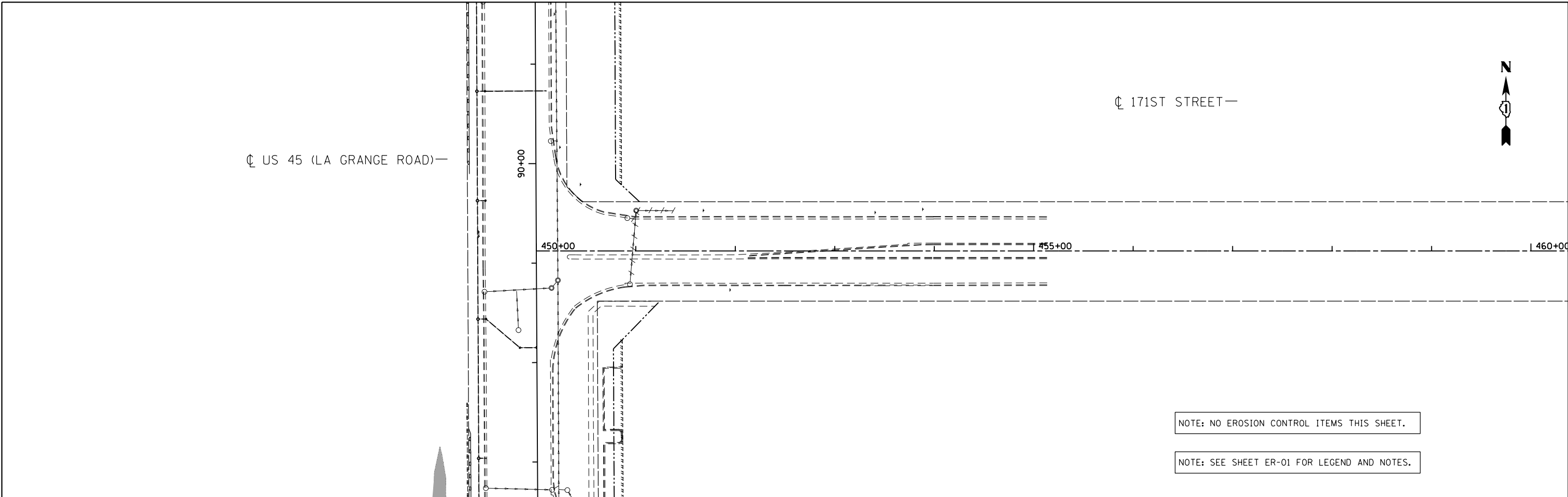
TEMP. SEEDING WITH  
MULCH METHOD 3A



SEE ABOVE  
MATCH LINE STA. 908+00.00

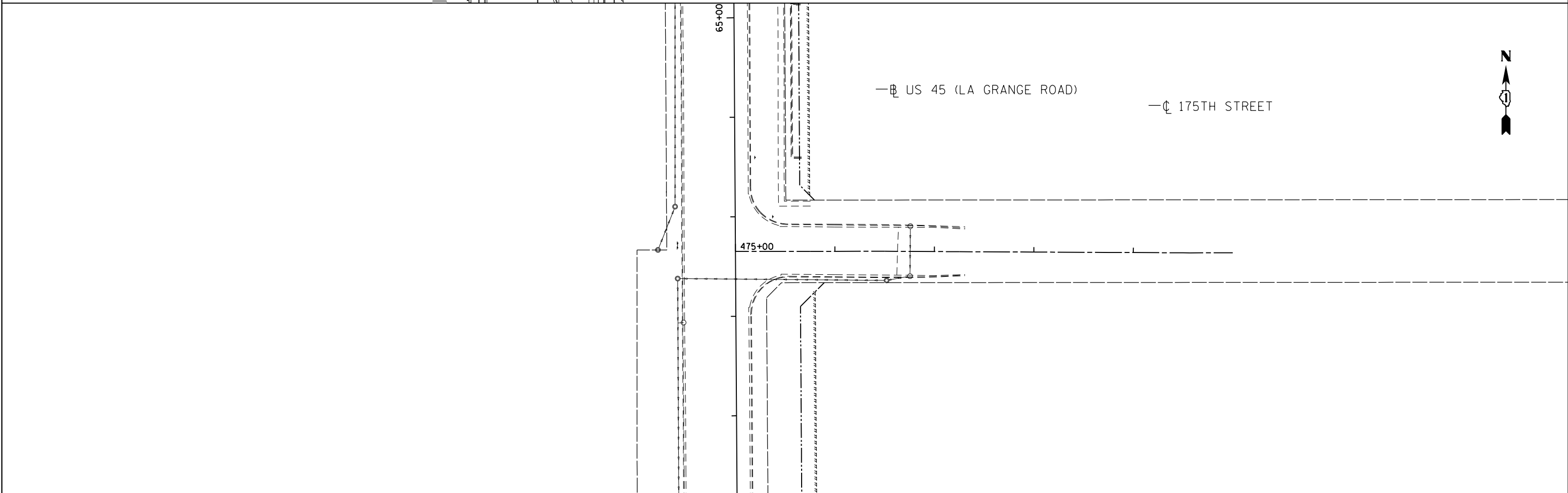
US 45 (LA GRANGE ROAD)

FILE NAME = D160F05-SHT-ER0532.179th st.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT PRE-STAGE - 179TH STREET			F. As RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. 897+00.00 TO STA. 920+20.00	330	103R-3	COOK	932	222
PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -	REVISED -				ER-32		CONTRACT NO. 60F05			
							ILLINOIS FED. AID PROJECT					



NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



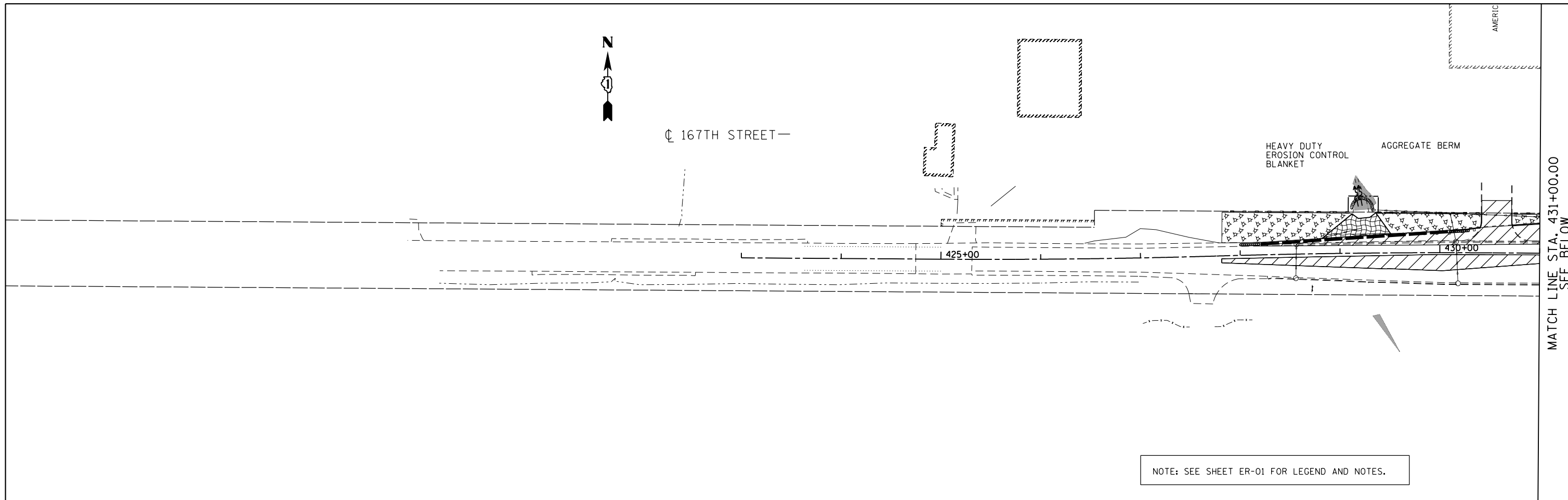
FILE NAME = D160F05-SHT-ER0533.171th-175th st.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

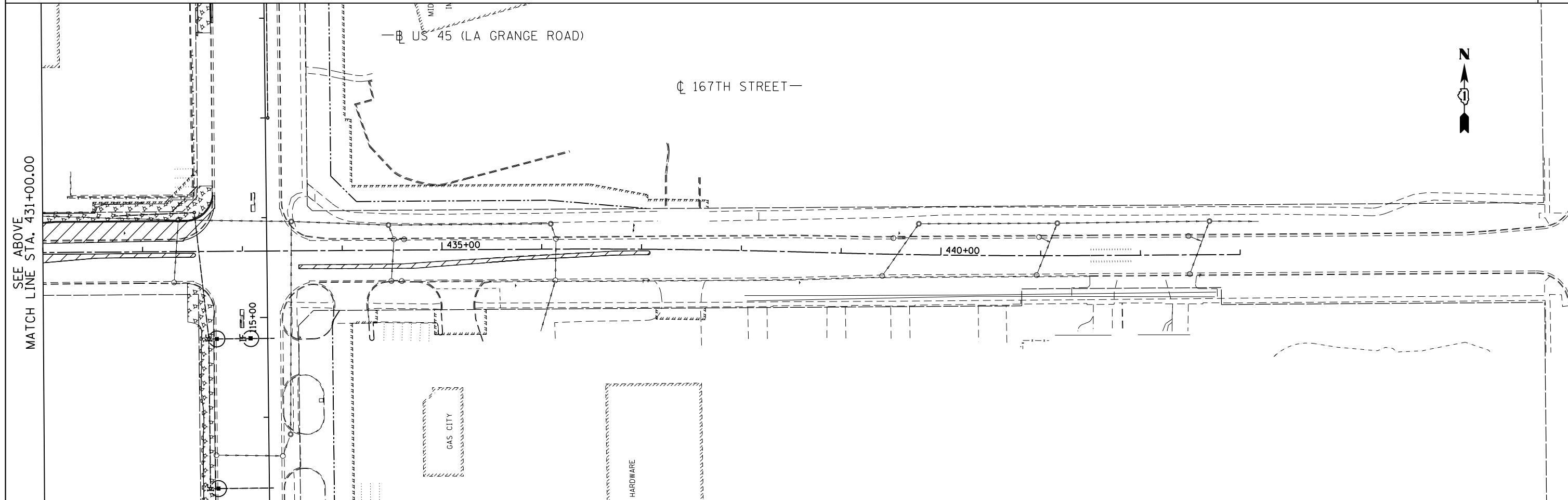
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT**  
**PRE-STAGE - 175TH STREET AND 171ST STREET**

SCALE: 1"=50'    SHEET NO. 1 OF 1 SHEETS    STA. 450+00.00 TO STA. 480+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	223
<b>ER-33</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 431+00.00  
SEE BELOW



FILE NAME =  
D160F05-SHT-ER0534.167th st.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" = 100'  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

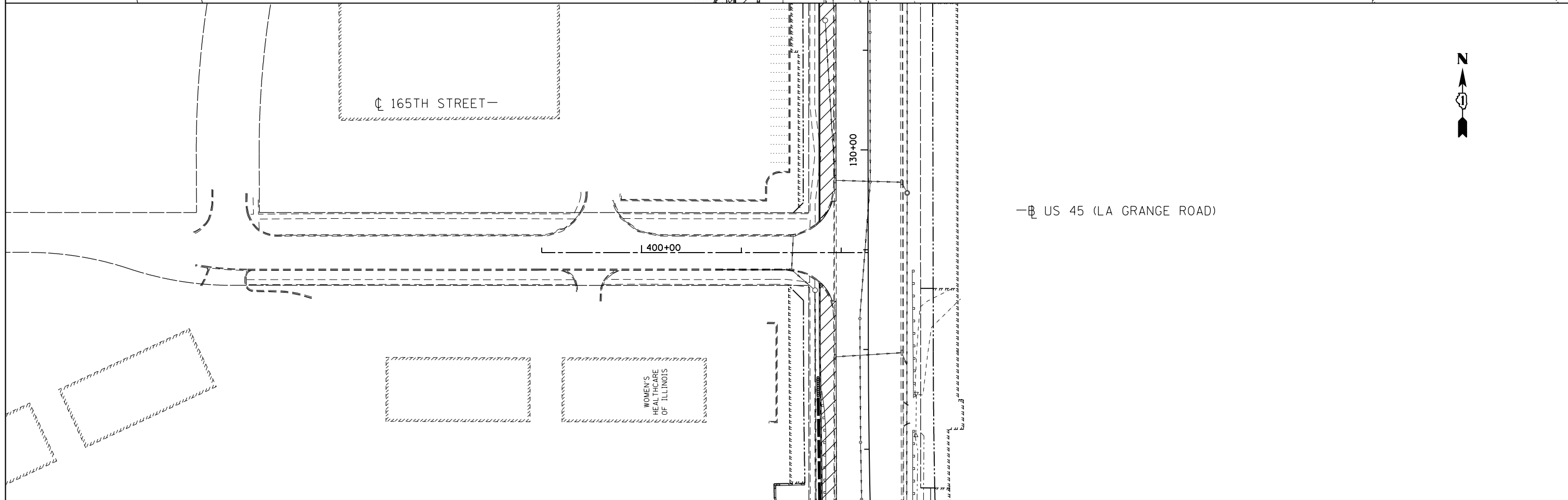
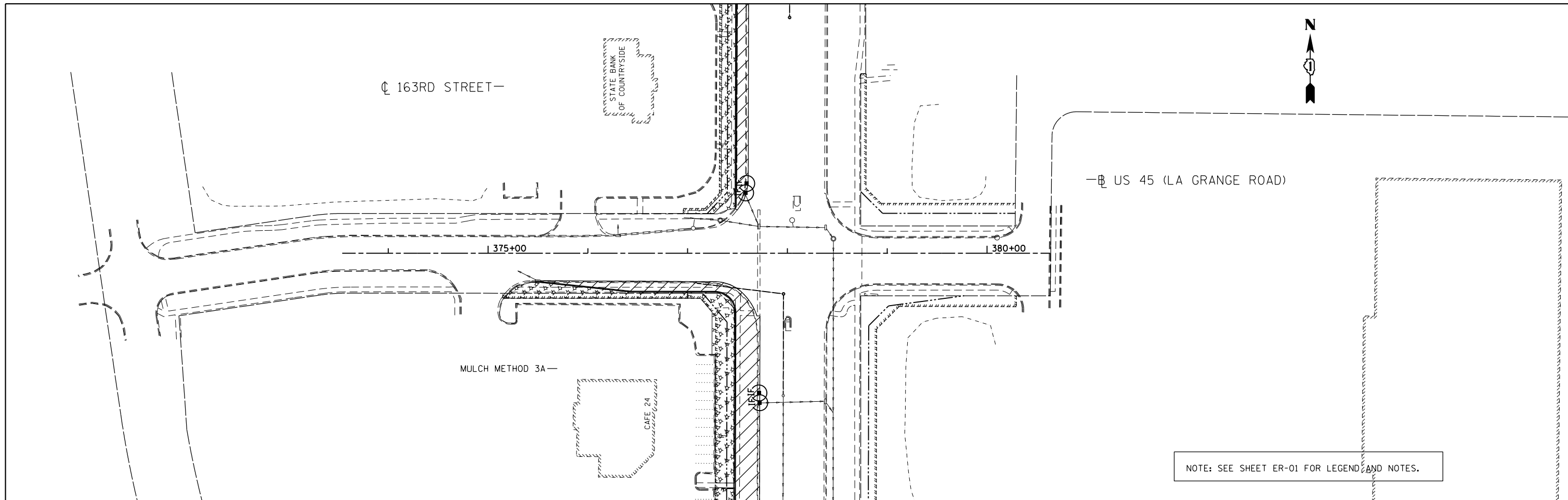
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
PRE-STAGE - 167TH STREET**

F. & S. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	224
<b>ER-34</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 423+00.00 TO STA. 443+00.00



FILE NAME =  
D160F05-SHT-ER0535.163-d and 165th.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" IN.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

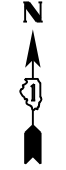
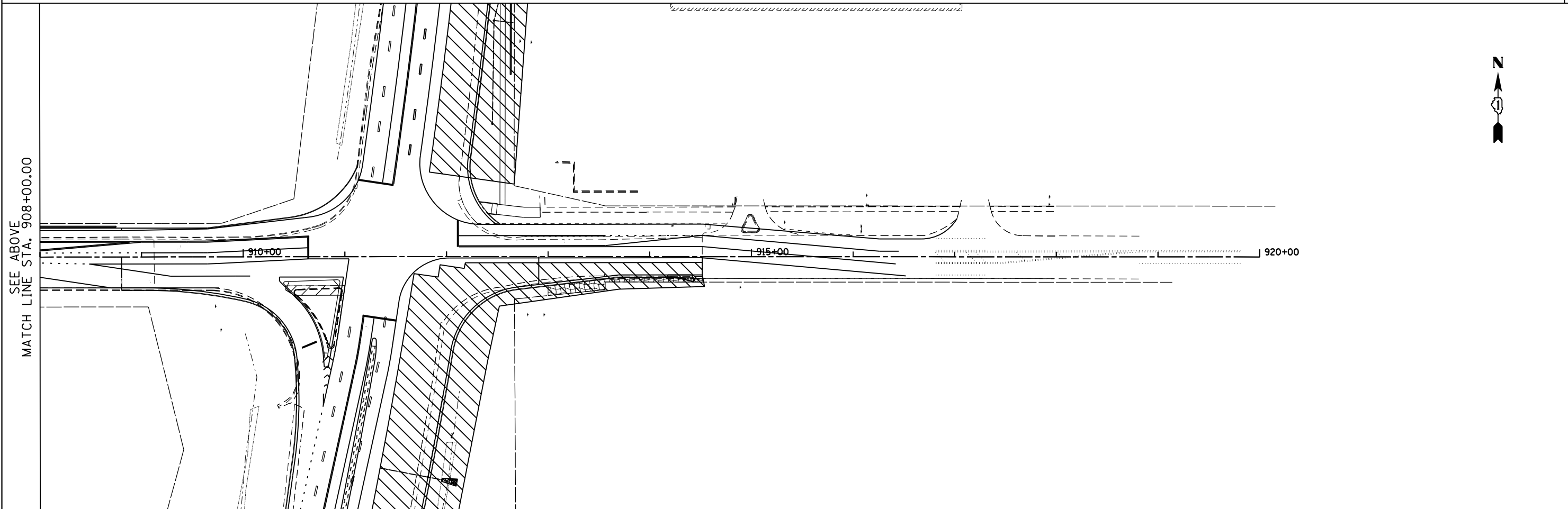
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
PRE-STAGE - 165TH STREET AND 163RD STREET**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 373+50.00 TO STA.

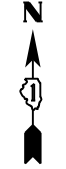
F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	225
<b>ER-35</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 908+00.00  
SEE BELOW



FILE NAME = D160F05-SHT-ER0536.dgn
---------------------------------------

USER NAME = Anthony.Plutz
PLOT SCALE = 100.000000' / 1" =
PLOT DATE = 3/15/2013

DESIGNED - L.N.
DRAWN - M.P.
CHECKED - W.H.I.
DATE - 03/13/13

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE 1**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 908+00.00 TO STA. 920+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	226
<b>ER-36</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



PI STA 89+11.76  
 N 1789725.57  
 E 1115950.82

89+12  
 450+0  
 POT STA 450+00.00  
 N 1789726.03  
 E 1115950.81

N 88° 20' 00" E

171ST ST

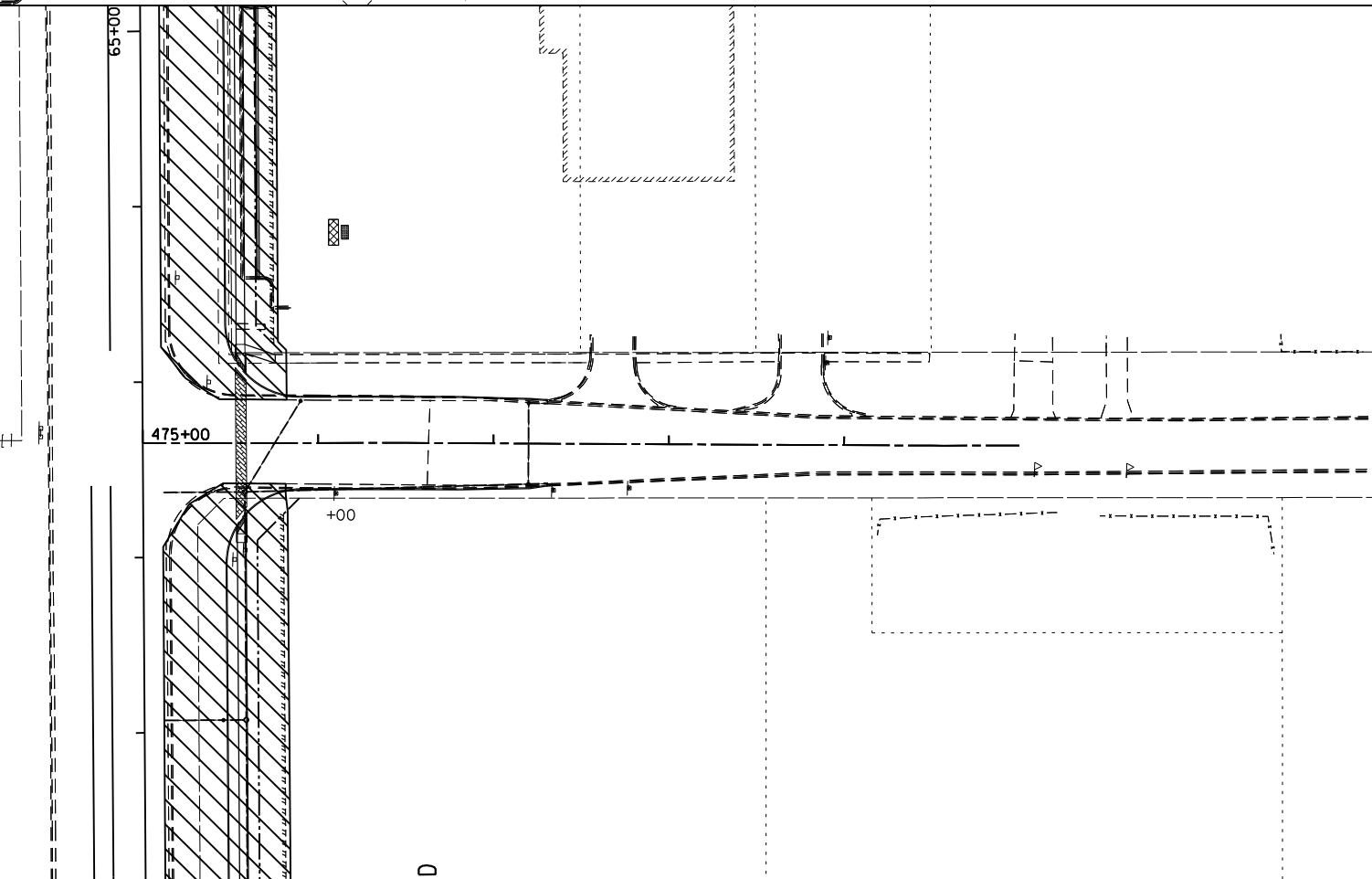
1,200.00'

POT STA 462+00.00  
 N 1789760.93  
 E 1117150.30

PERIMETER EROSION BARRIER

CVS  
 PHARMACY

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



**APEX**  
 CONSULTING ENGINEERS, LLC  
 111 E. Wacker Drive, Suite 520  
 Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0537.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1"	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

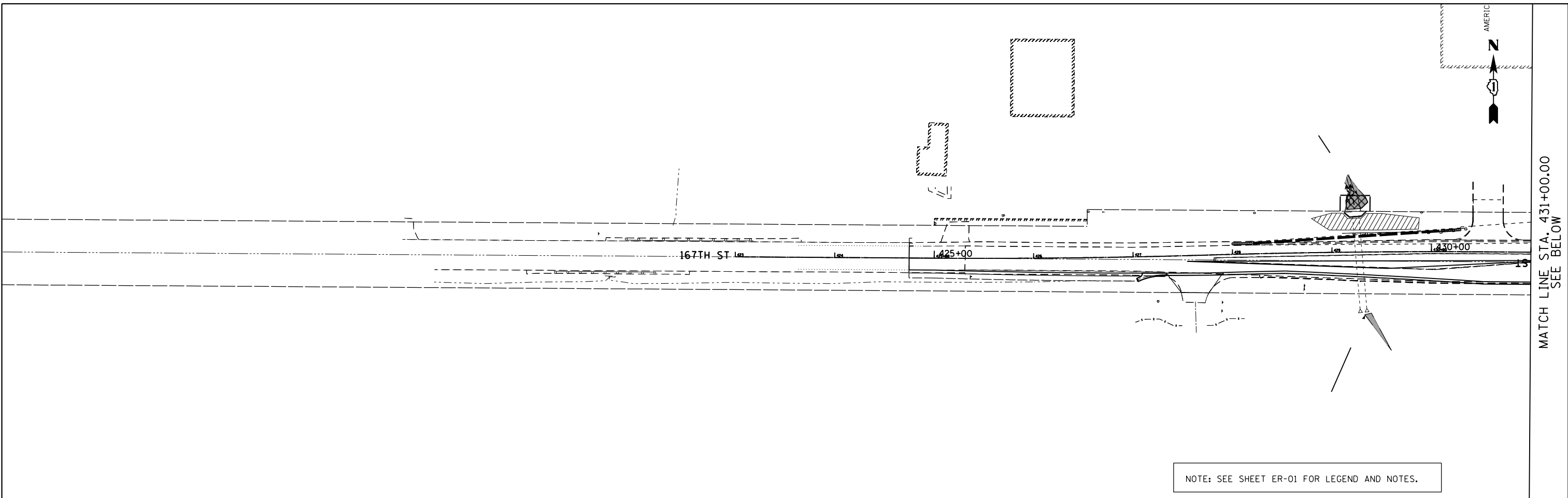
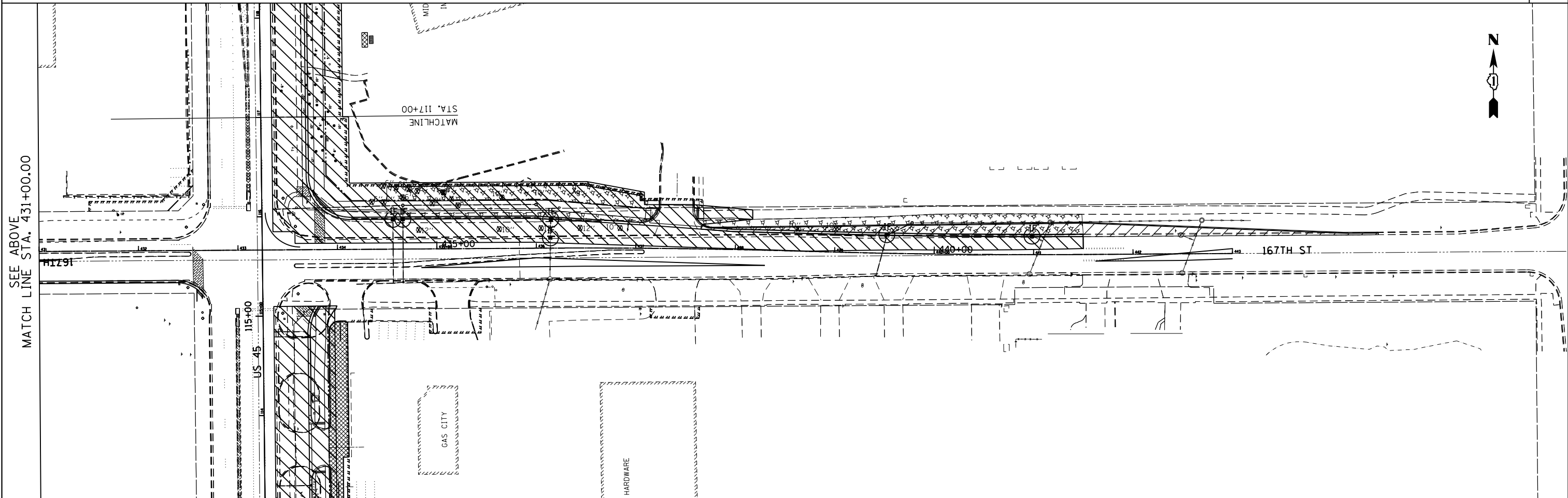
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
 175TH STREET AND 171ST STREET - STAGE I

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 475+00.00 TO STA. 480+00.00

F. & R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	227
<b>ER-37</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 431+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 431+00.00  
SEE BELOW

FILE NAME =  
D160F05-SHT-ER0538.dgn

USER NAME = Anthony.Plutz  
DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

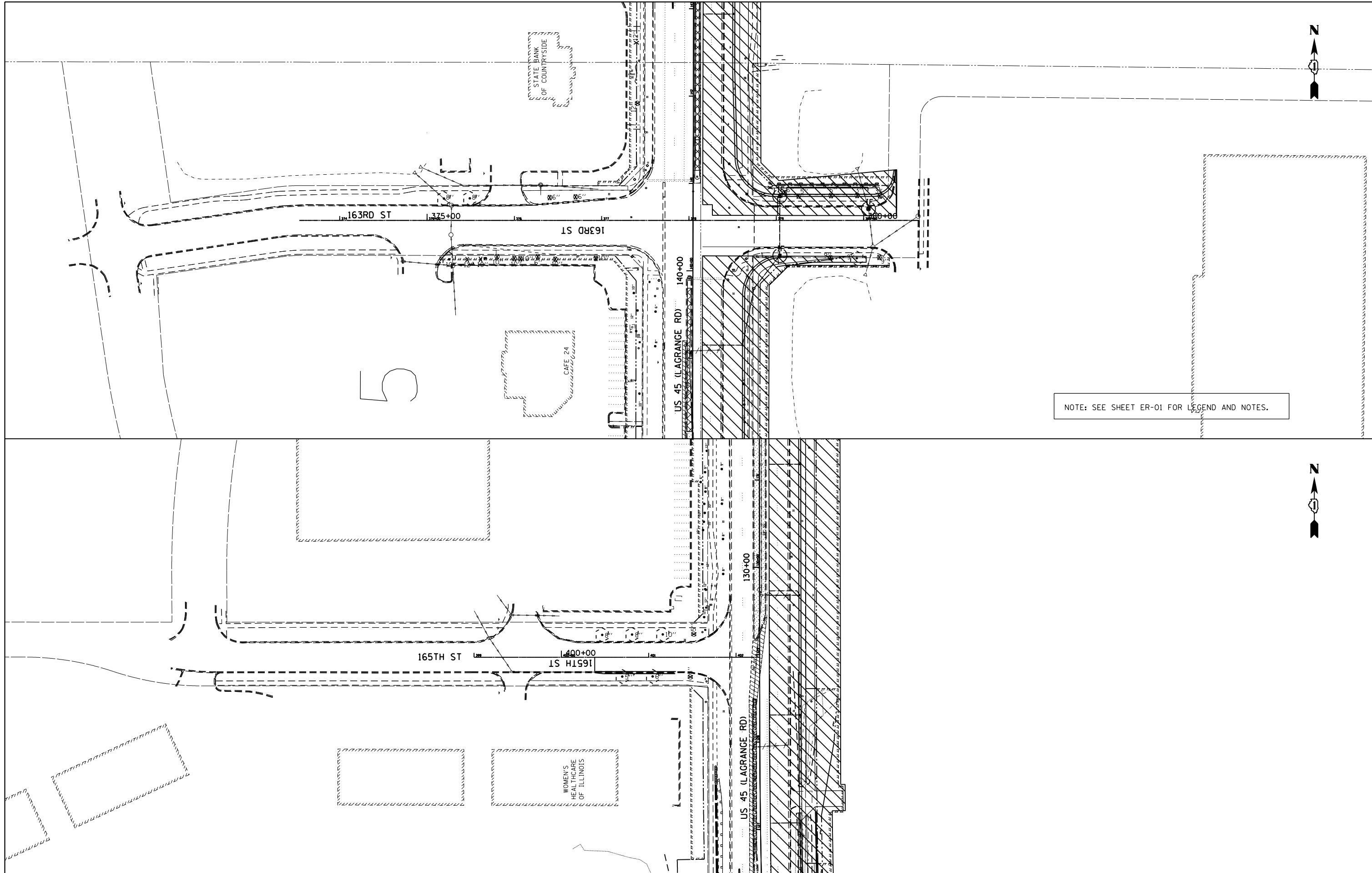
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE I**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 423+00.00 TO STA. 443+00.00

F. As RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	228
<b>ER-38</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				





NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

FILE NAME = D160F05-SHT-ER0539.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

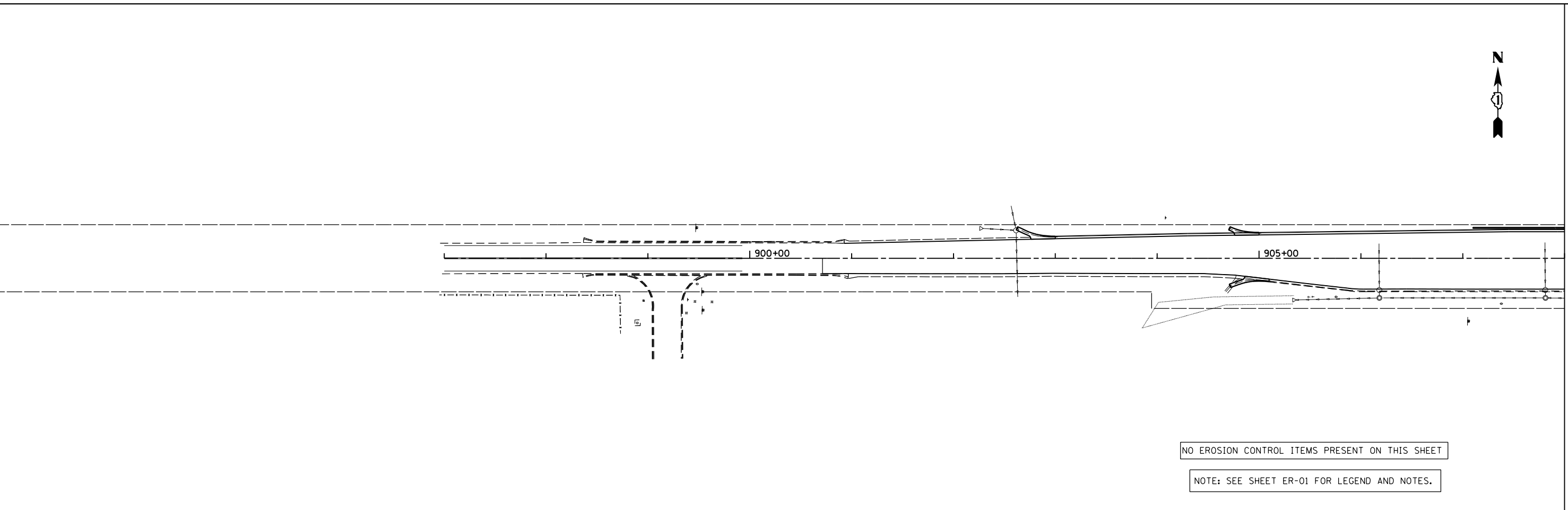
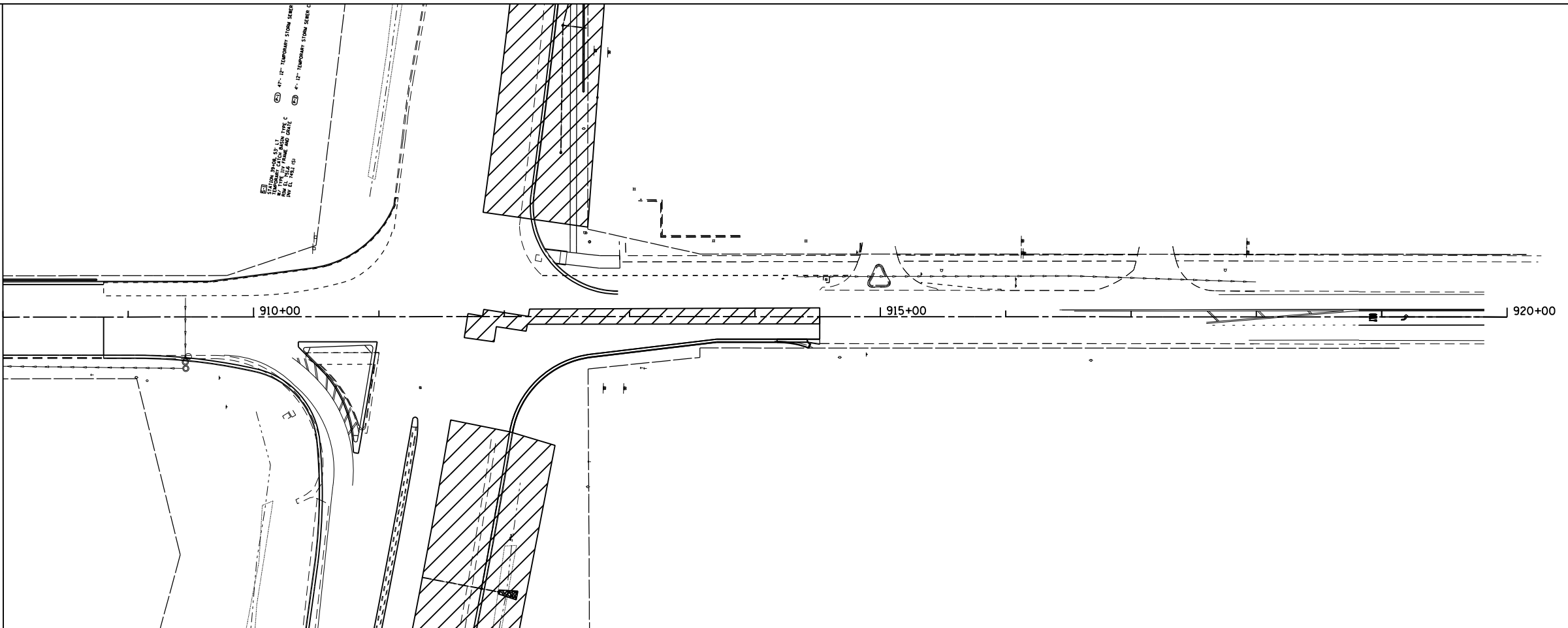
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE I**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	229
<b>ER-39</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



MATCH LINE STA. 908+00.00  
SEE BELOW

FILE NAME =  
D160F05-SHT-ER0540\_179th.st.dgn

USER NAME = james.push  
PLOT SCALE = 100.000000' / 1" =  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

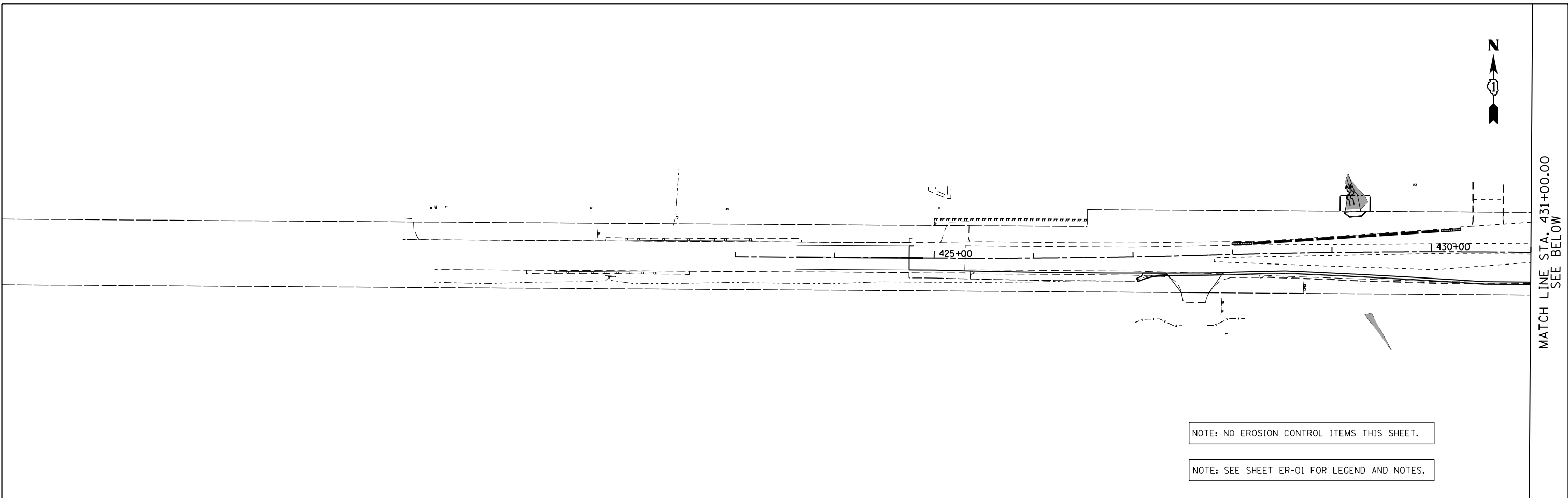
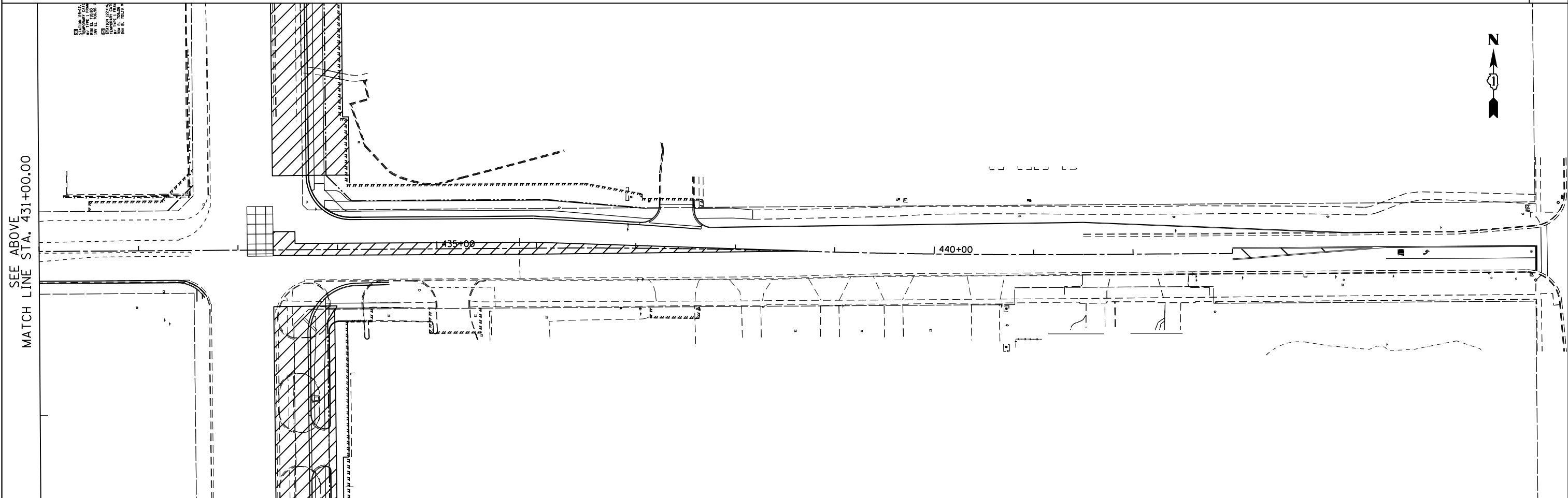
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE 1A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 908+00.00 TO STA. 920+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	230
<b>ER-40</b>			CONTRACT NO. 60F05	

ILLINOIS FED. AID PROJECT

SEE ABOVE  
MATCH LINE STA. 431+00.00



MATCH LINE STA. 431+00.00  
SEE BELOW

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

FILE NAME =  
D160F05-SHT-ER0541\_167th\_stdgn

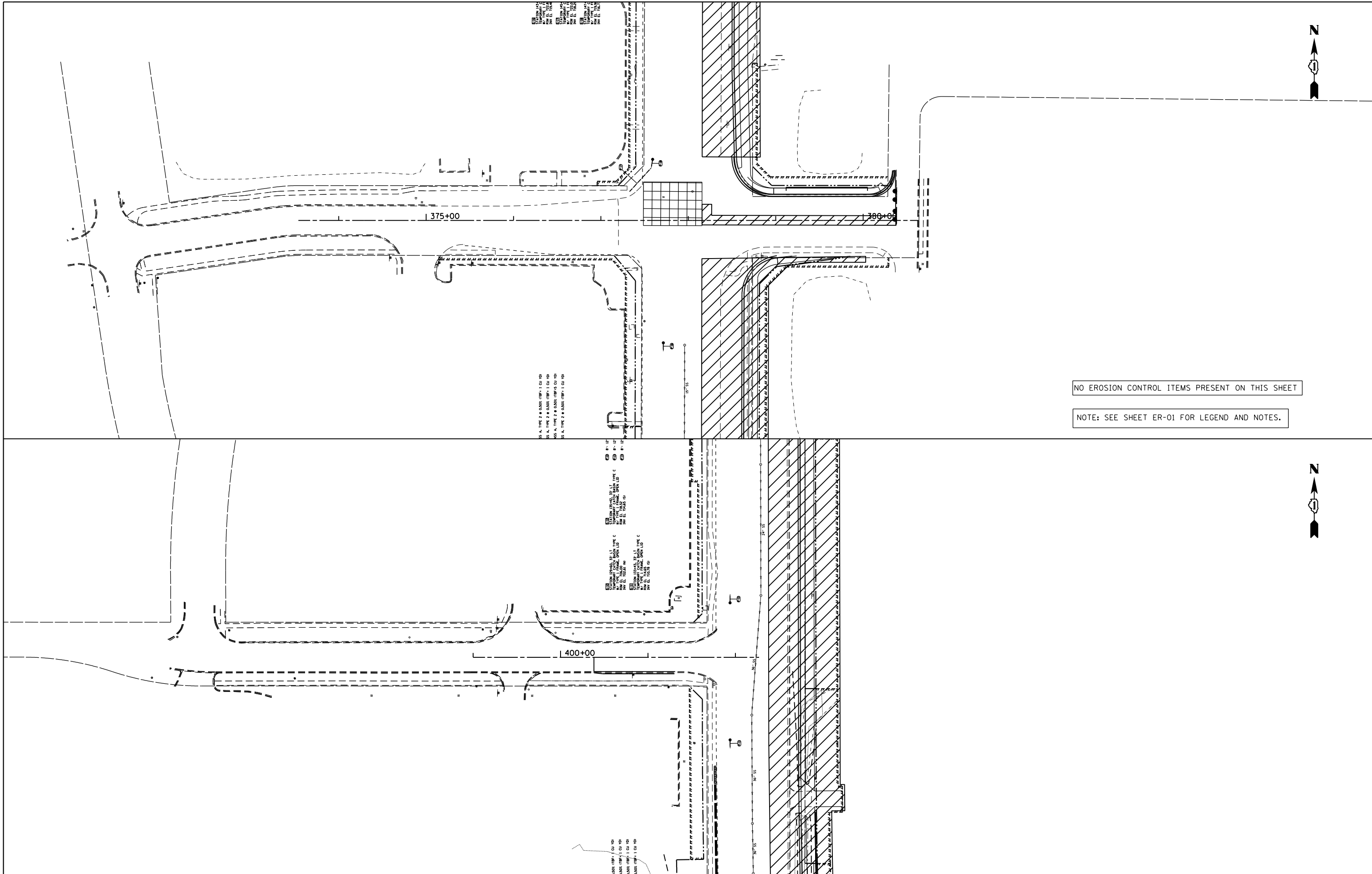
USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
PLOT SCALE = 100.000000' / 1" =	DRAWN - M.P.	REVISED -
PLOT DATE = 3/15/2013	CHECKED - W.H.I.	REVISED -
	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE 1A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 423+00.00 TO STA. 443+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	231
<b>ER-41</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



FILE NAME = D160F05-SHT-ER0542.163-d and 165th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

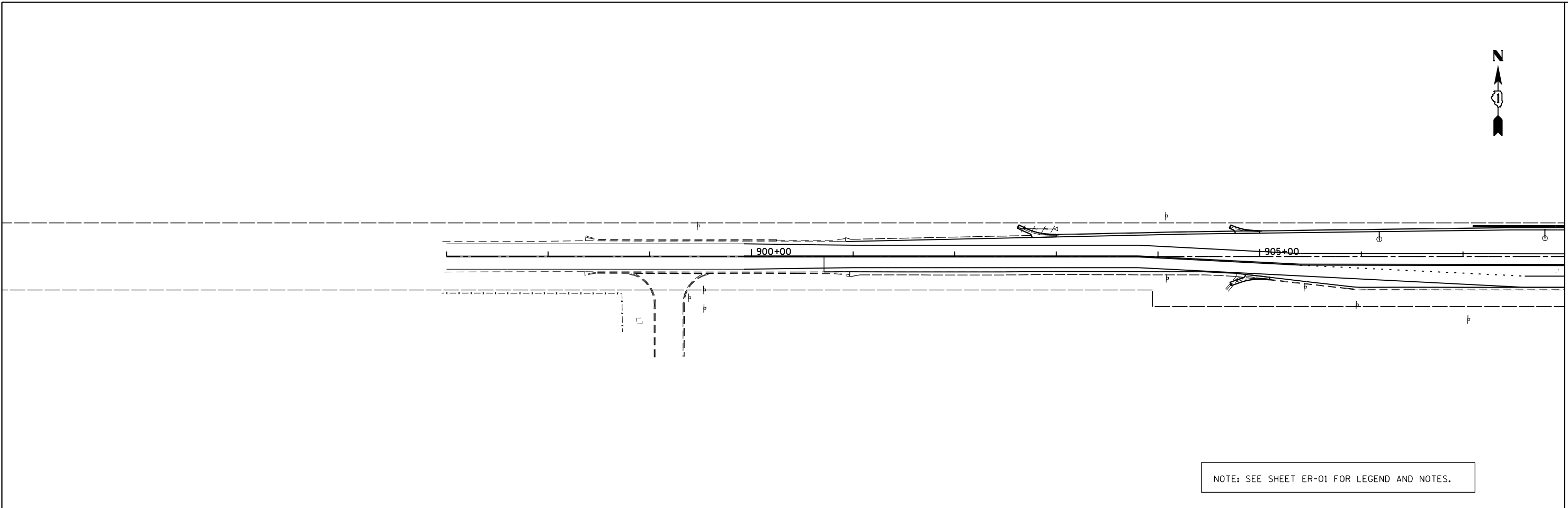
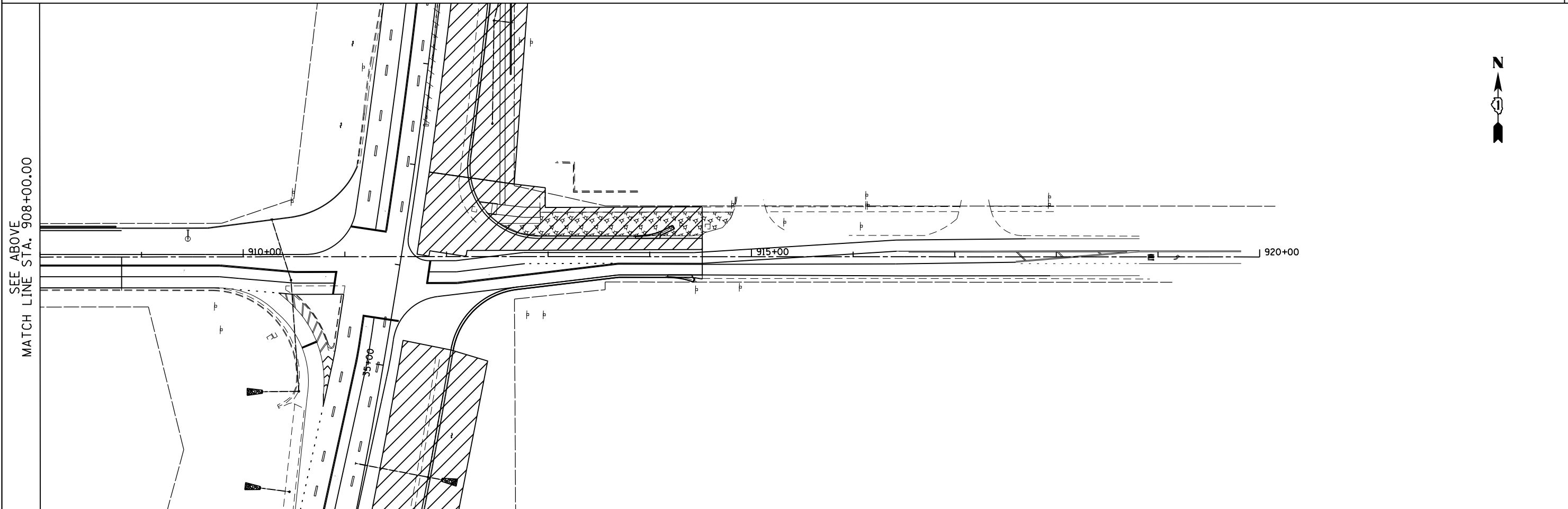
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE 1A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	232
<b>ER-42</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



MATCH LINE STA. 908+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

FILE NAME =  
D160F05-SHT-ER0543.179th.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

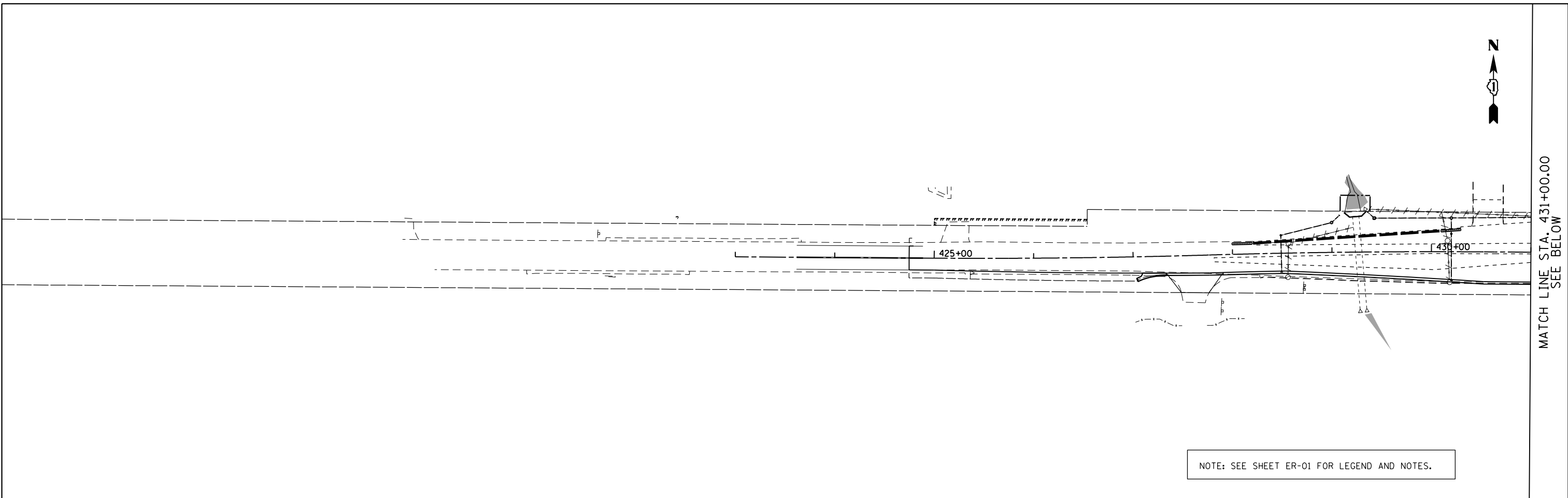
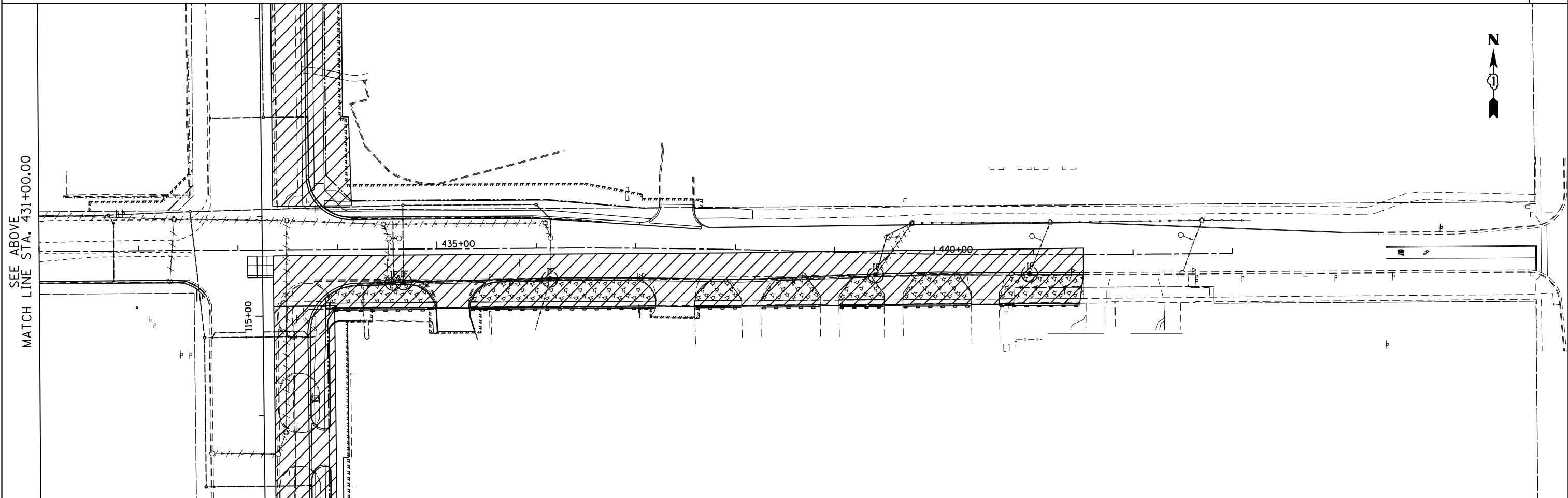
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE 1B**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 908+00.00 TO STA. 920+00.00

F. # 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 233
<b>ER-43</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 431+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 431+00.00  
SEE BELOW

FILE NAME =  
D160F05-SHT-ER0544.167.thdgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" IN.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

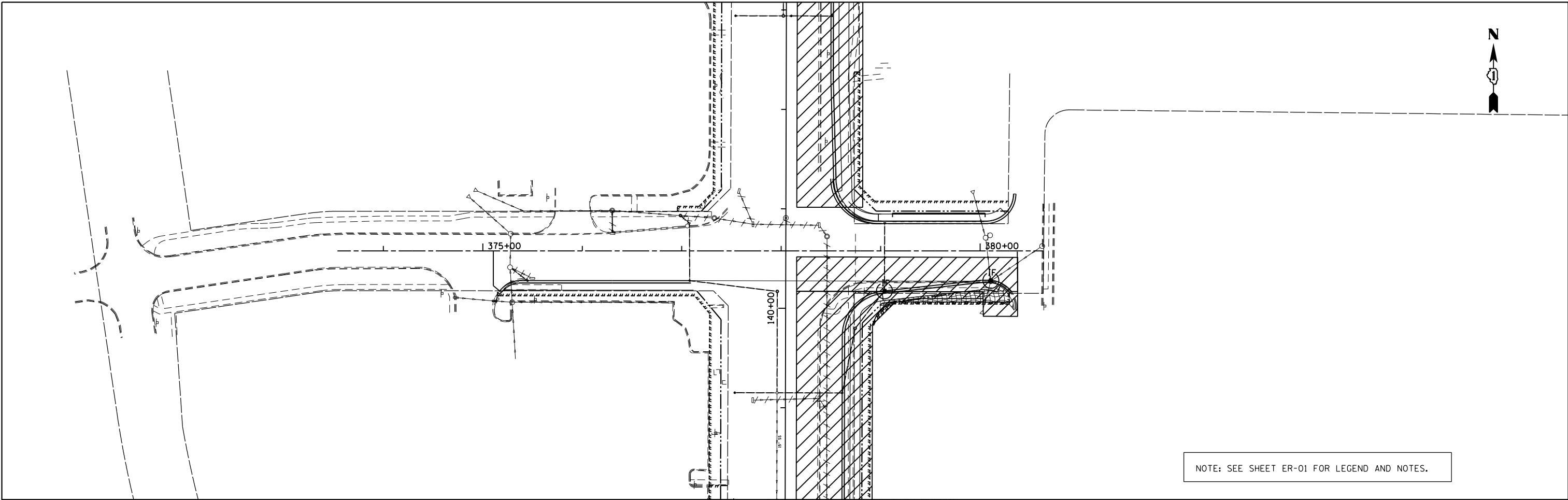
REVISED -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

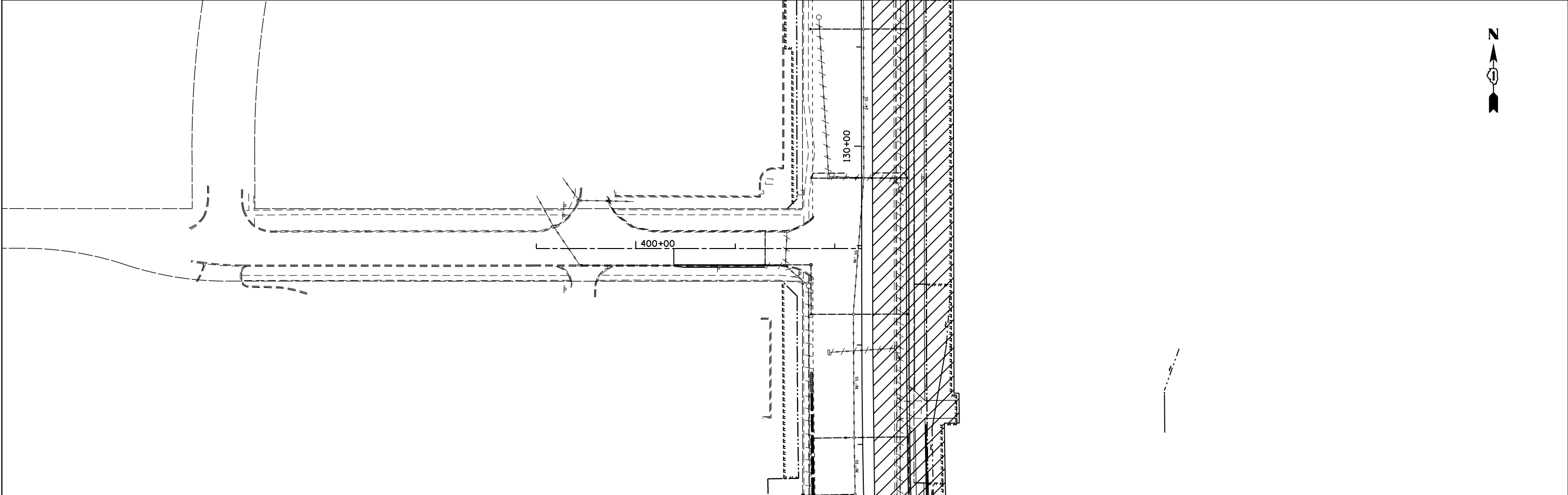
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE 1B**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 423+00.00 TO STA. 443+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	234
<b>ER-44</b>			<b>CONTRACT NO. 60F05</b>	
<small>ILLINOIS FED. AID PROJECT</small>				



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



FILE NAME = D160F05-SHT-ER0545.163-rd and 165st.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

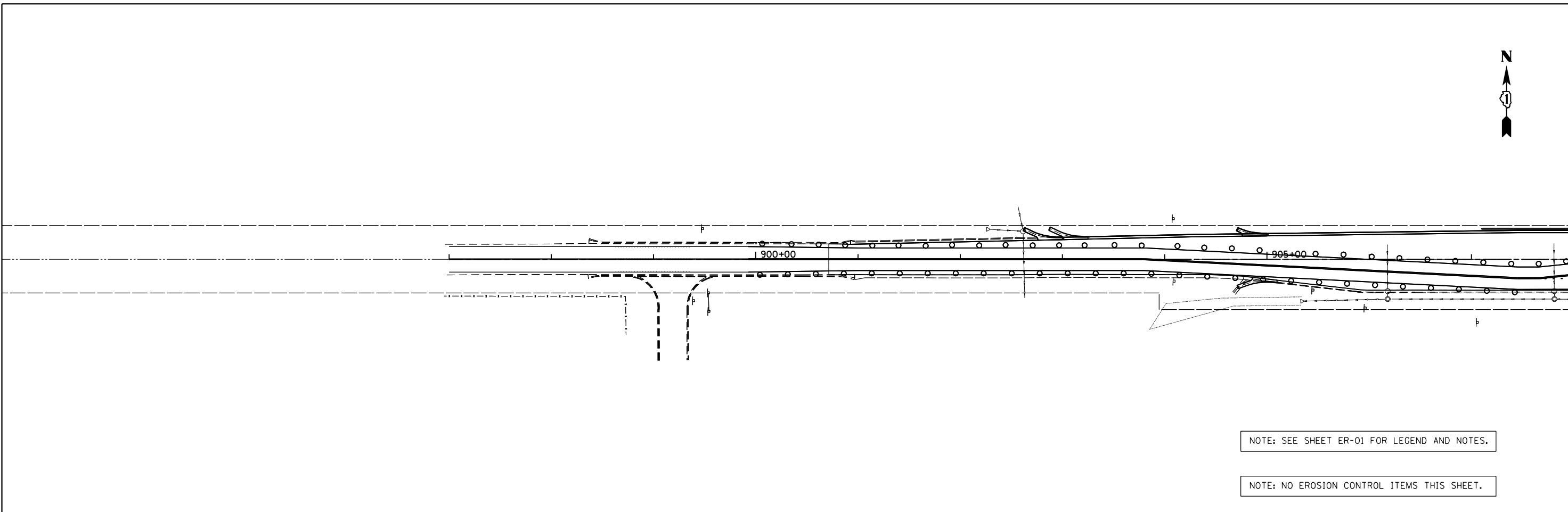
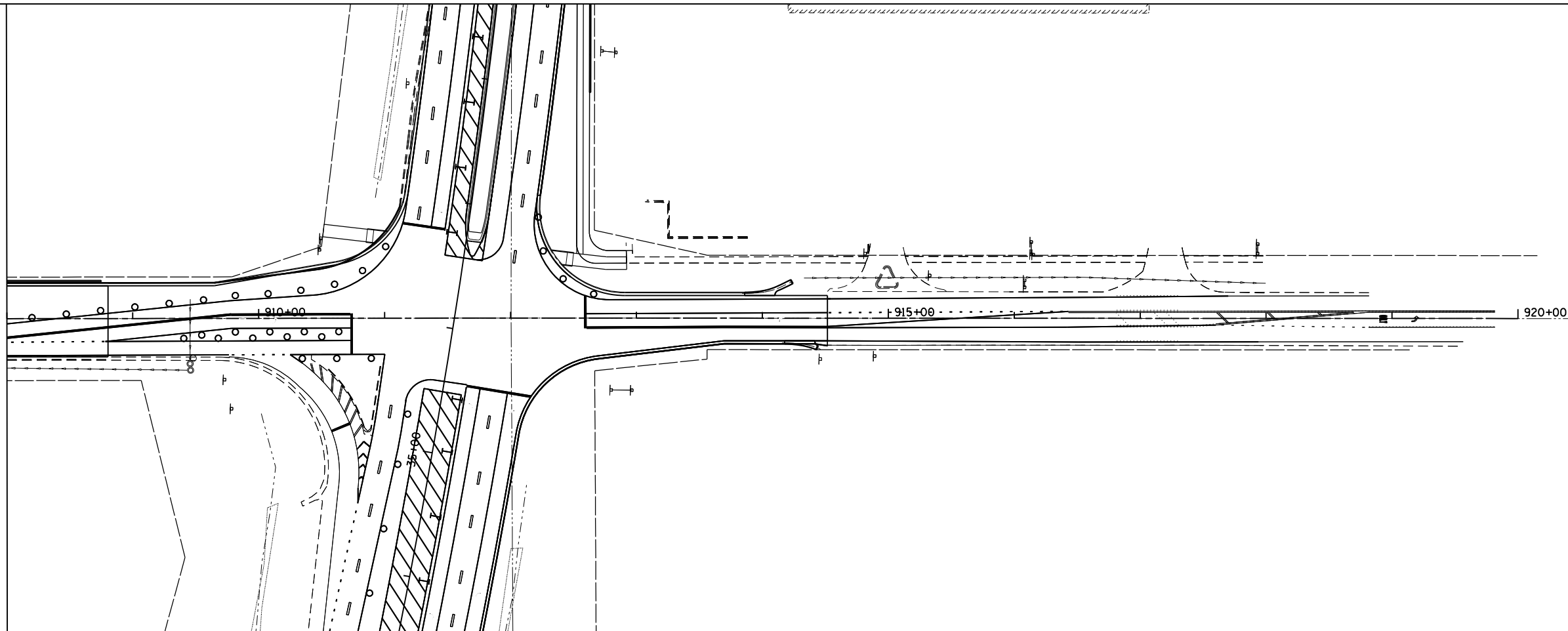
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE 1B**

SCALE: 1"=50'    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	235
<b>ER-45</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



MATCH LINE STA. 908+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

FILE NAME =  
D160F05-SHT-ER0546\_179th.st.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" = 100'  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

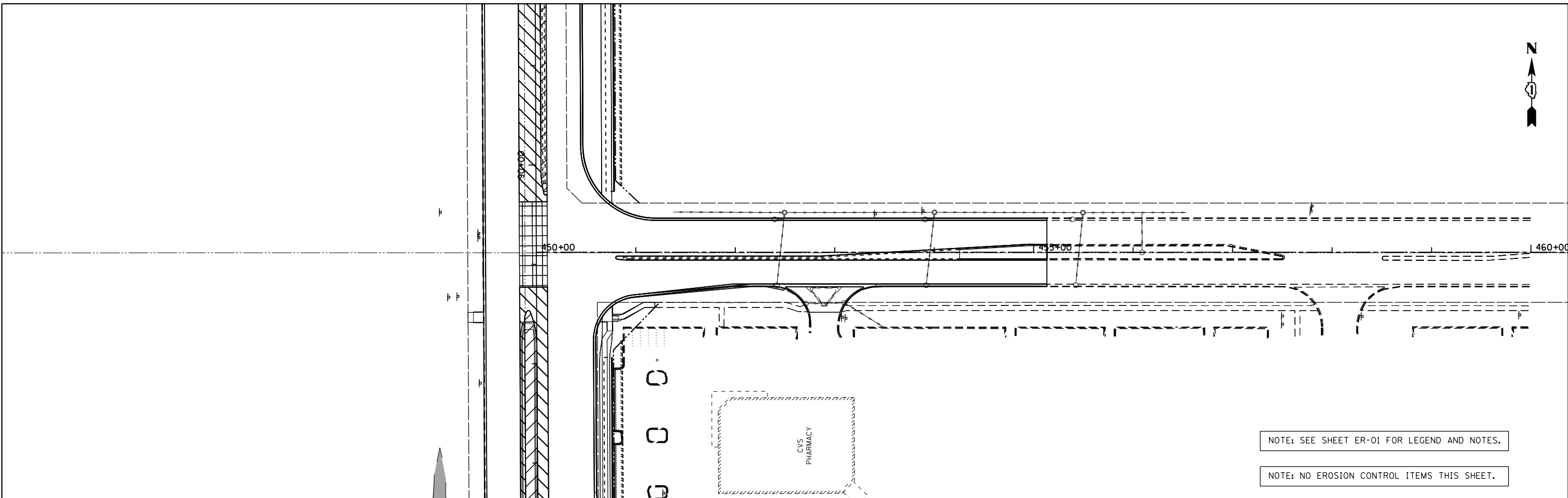
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE II**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 897+00.00 TO STA.920+00.00

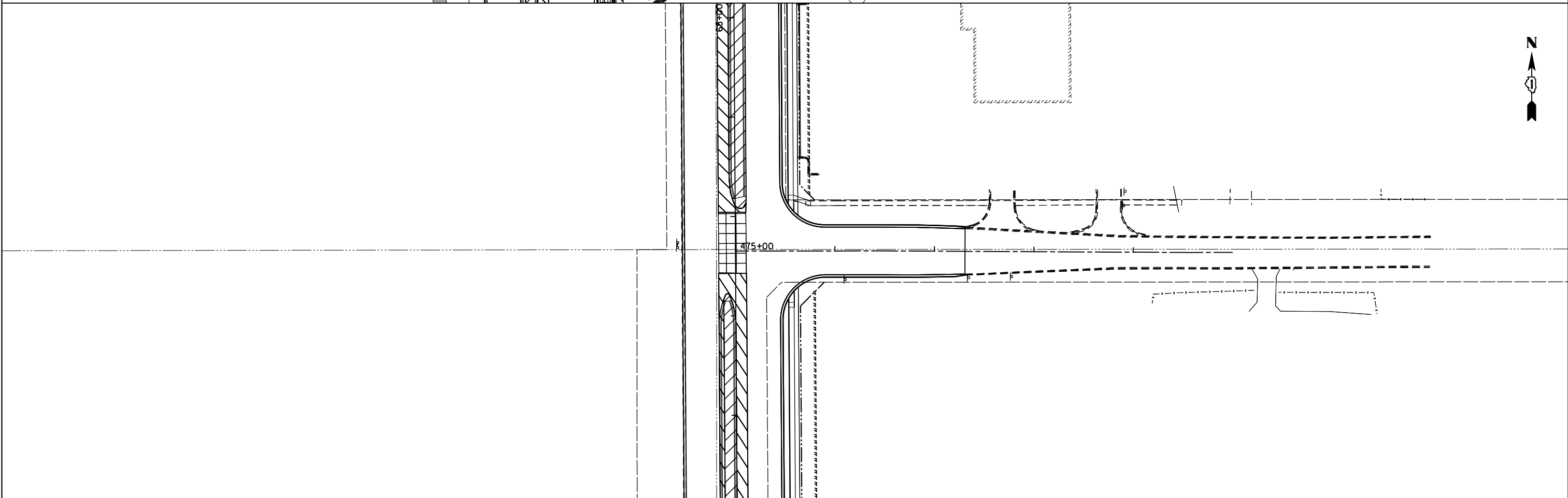
F.F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	236
<b>ER-46</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				





NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0547.171st and 175th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

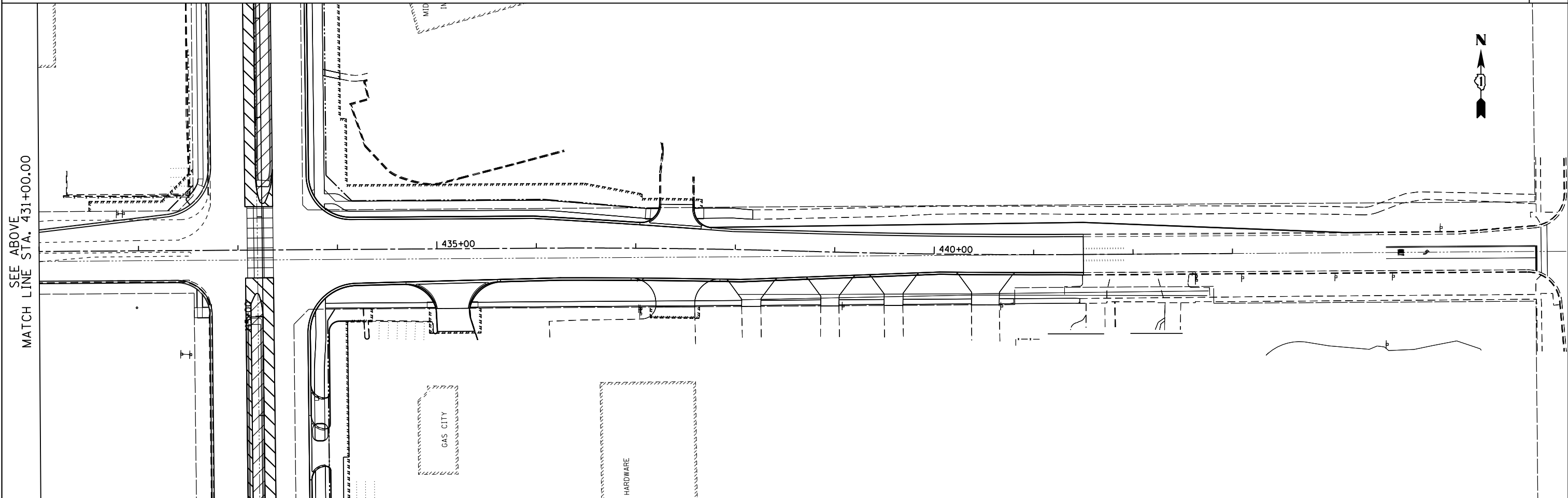
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
175TH STREET AND 171ST STREET - STAGE II**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	237
<b>ER-47</b>			CONTRACT NO. 60F05	
<small>ILLINOIS FED. AID PROJECT</small>				

SEE ABOVE  
MATCH LINE STA. 431+00.00



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

MATCH LINE STA. 431+00.00  
SEE BELOW

FILE NAME =  
D160F05-SHT-ER0548\_167.thdgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" = 100'  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

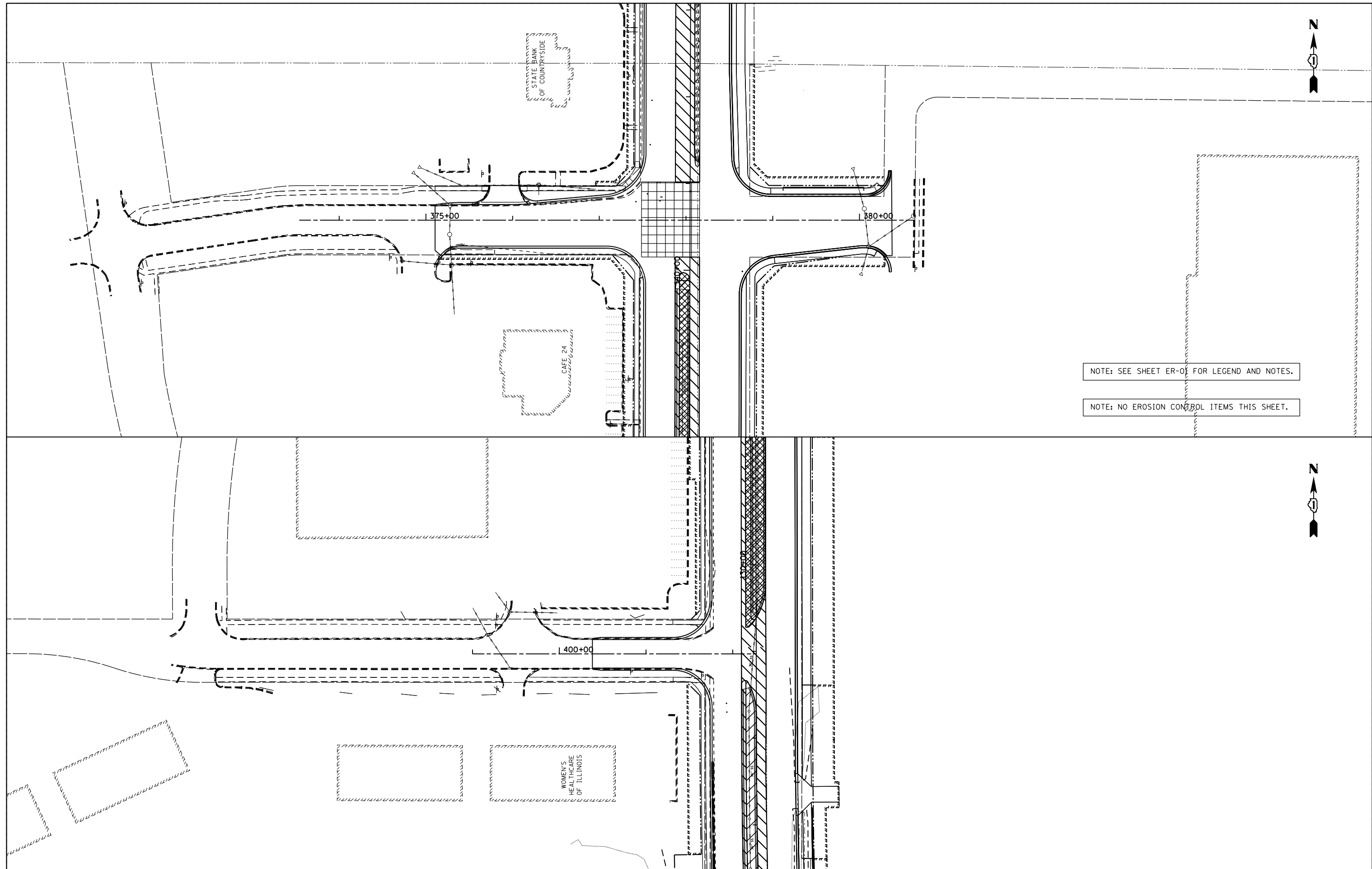
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE II**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 423+00.00 TO STA. 443+00.00

F. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	238
<b>ER-48</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

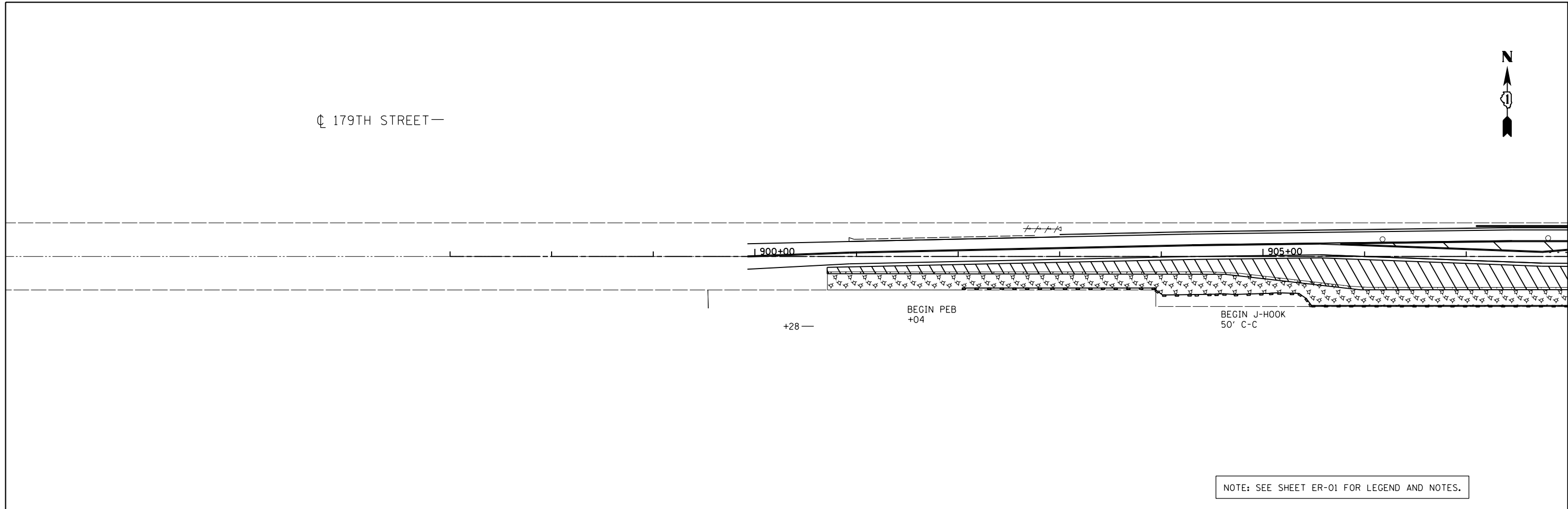
FILE NAME = D160F05-SHT-ER0549.163-d and 165th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1" IN.	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE II**

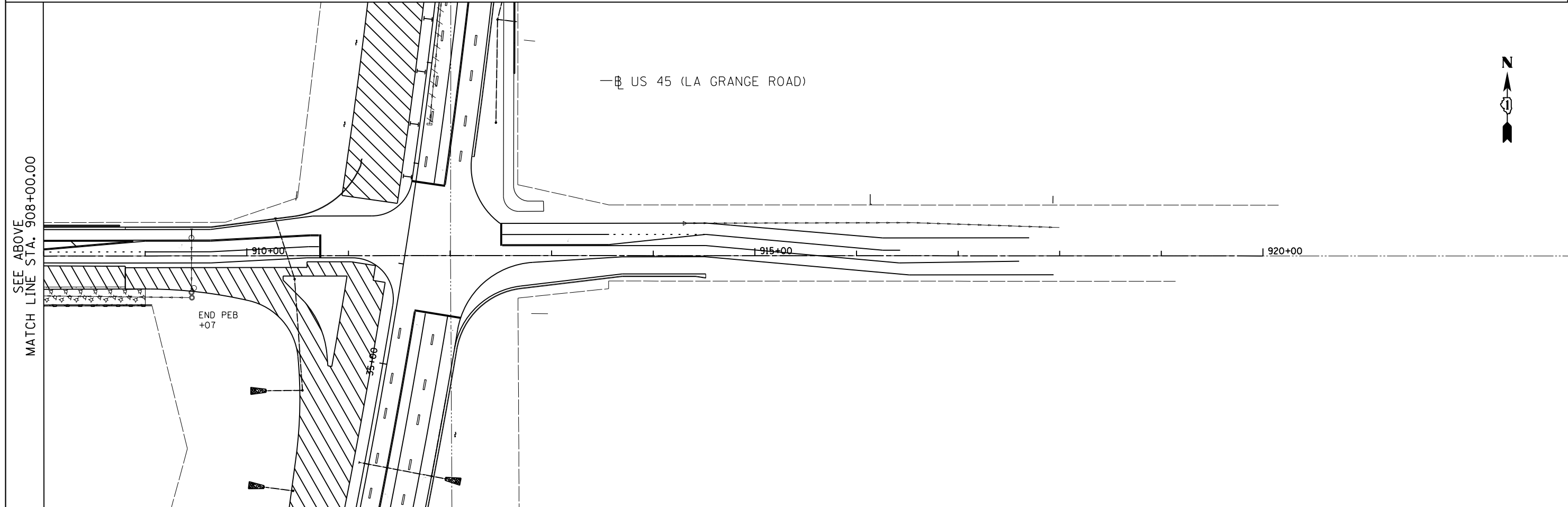
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	239
<b>ER-49</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 908+00.00  
SEE BELOW



SEE ABOVE  
MATCH LINE STA. 908+00.00

FILE NAME = D160F05-SHT-ER0550.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE III**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 897+00.00 TO STA. 920+00.00

F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	240
<b>ER-50</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



—B— US 45 (LA GRANGE ROAD)

—C— 171ST STREET

450+00

455+00

460+00

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



—B— US 45 (LA GRANGE ROAD)

—C— 175TH STREET

475+00

**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME =  
D160F05-SHT-ER0551.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" IN.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
REVISED -  
REVISED -

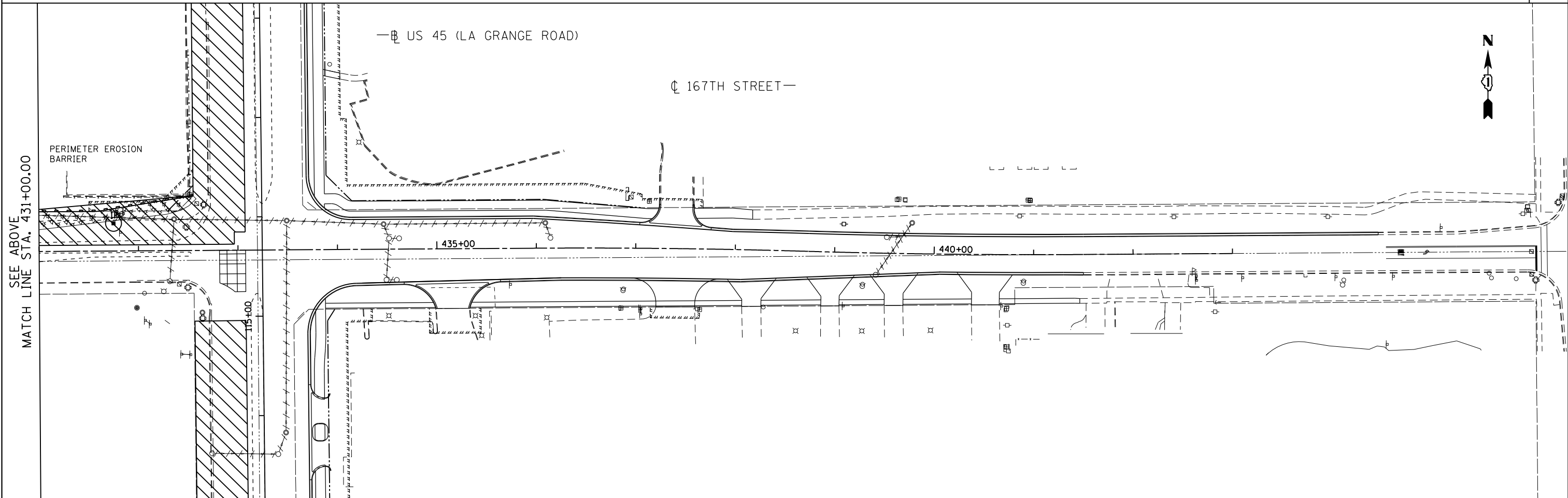
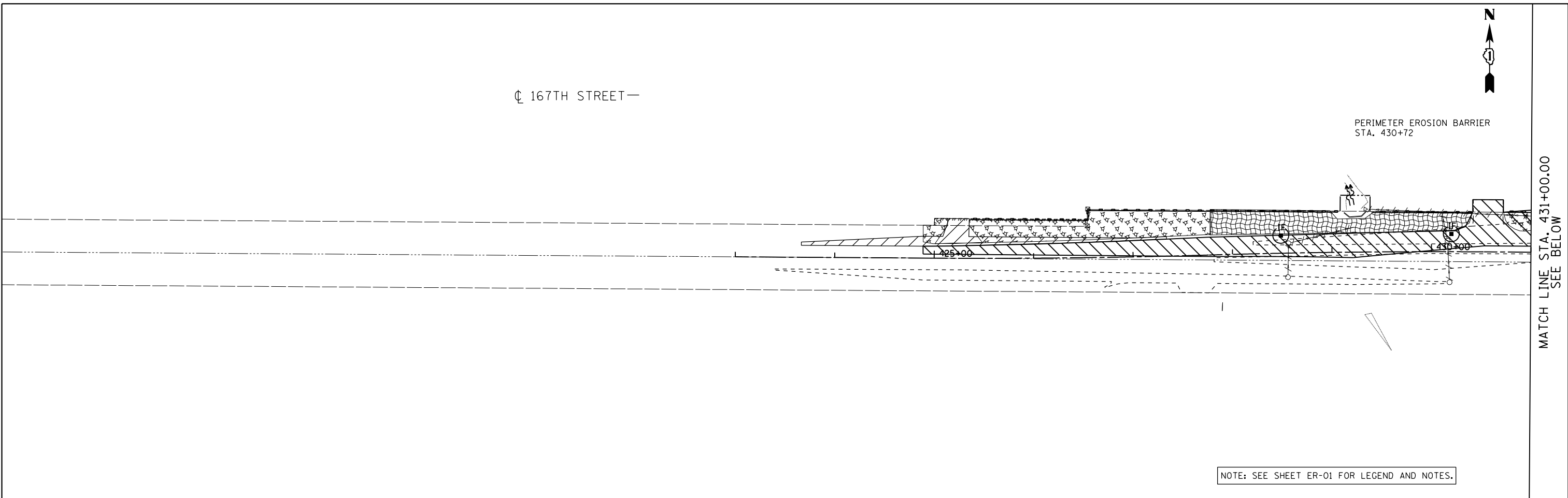
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
175TH STREET AND 171ST STREET - STAGE III**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	241
<b>ER-51</b>		CONTRACT NO. 60F05		

ILLINOIS FED. AID PROJECT



FILE NAME =  
 D160F05-SHT-ER0552.dgn

USER NAME = Anthony.Plutz

PLOT SCALE = 100.000000' / in.

PLOT DATE = 3/15/2013

DESIGNED - L.N.

DRAWN - M.P.

CHECKED - W.H.I.

DATE - 03/13/13

REVISED -

REVISED -

REVISED -

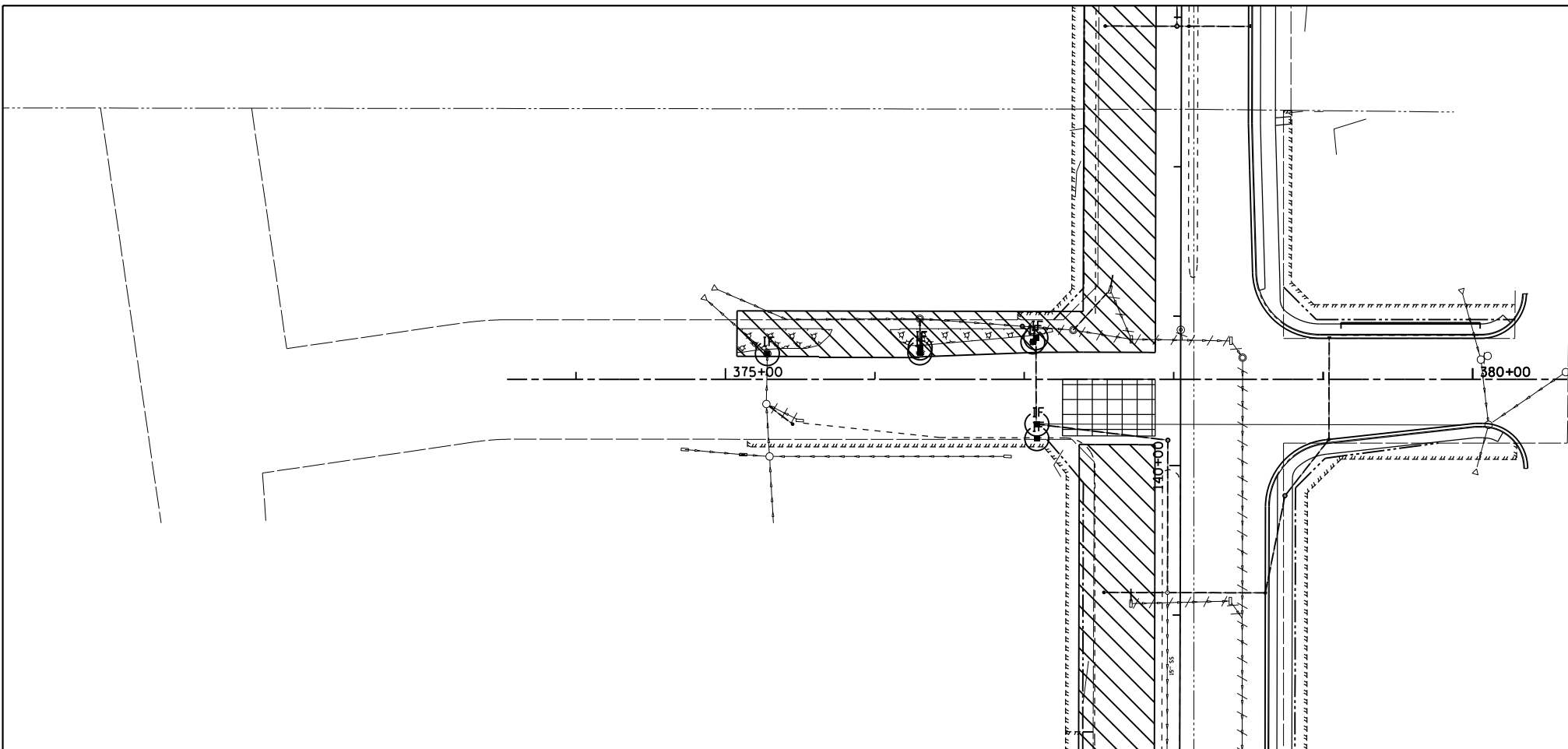
REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

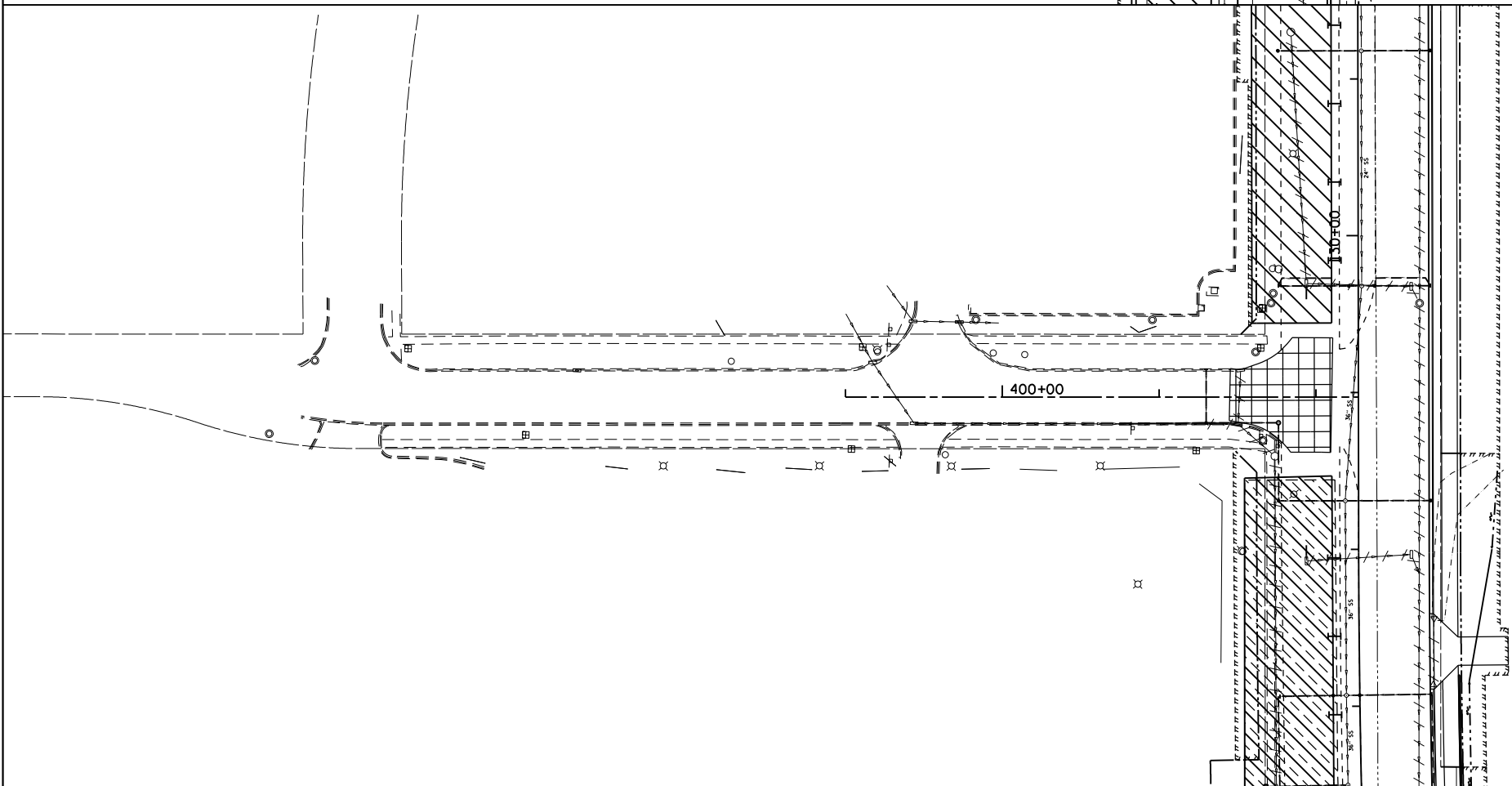
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
 167TH STREET - STAGE III**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	242
<b>ER-52</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME =  
D160F05-SHT-ER0553.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
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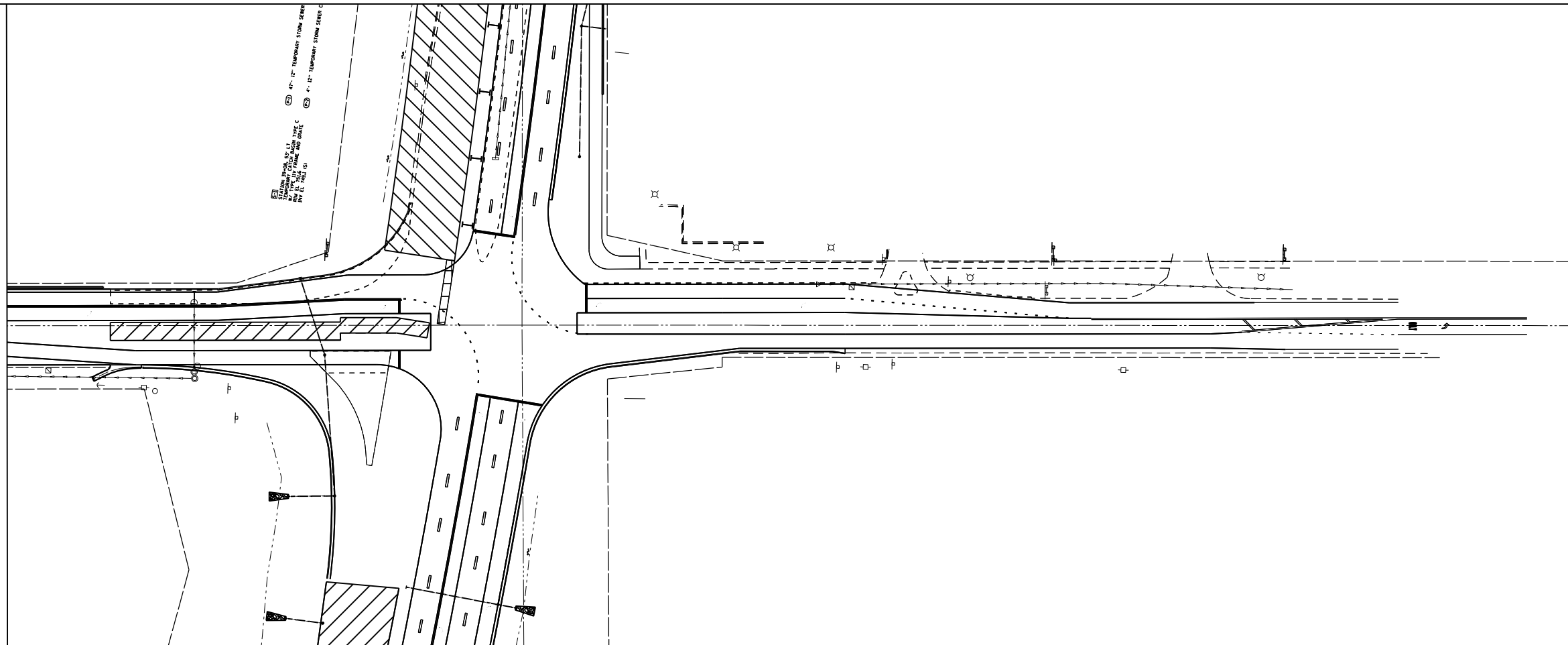
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE III**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	243
<b>ER-53</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



SEE ABOVE  
MATCH LINE STA. 908+00.00

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

MATCH LINE STA. 908+00.00  
SEE BELOW

FILE NAME =  
D160F05-SHT-ER0554.179th.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

REVISED -  
REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

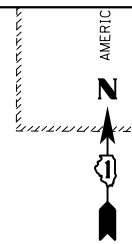
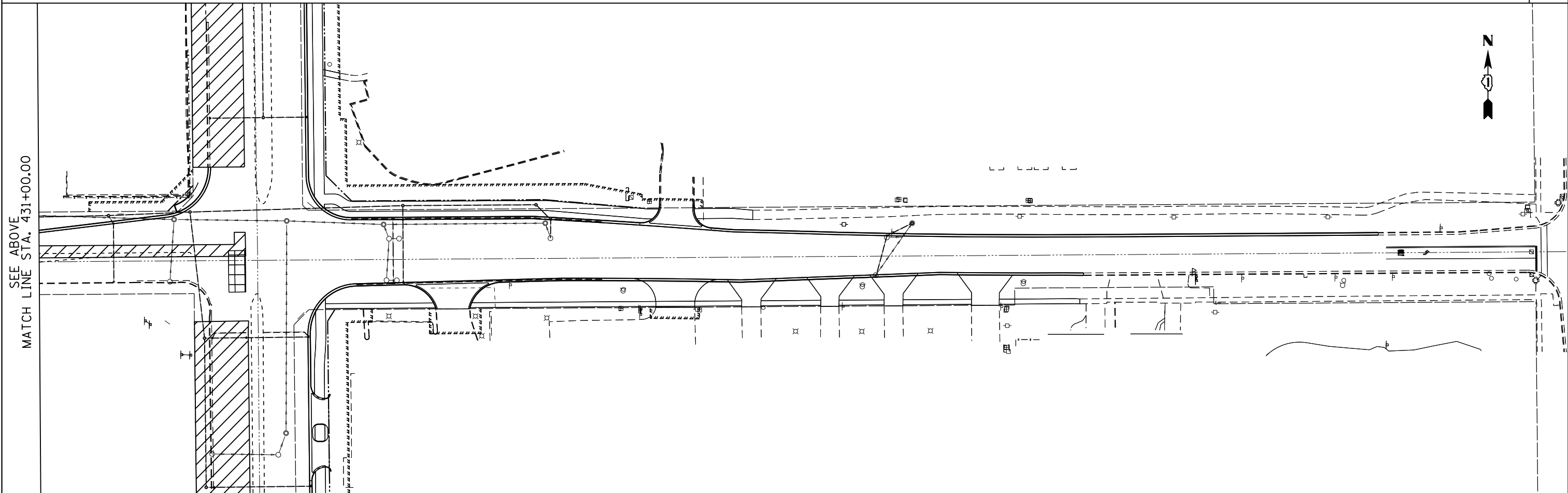
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE 3A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 897+00.00 TO STA. 920+00.00

F.F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	244
<b>ER-54</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE ABOVE  
MATCH LINE STA. 431+00.00



MATCH LINE STA. 431+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

FILE NAME =  
D160F05-SHT-ER0595.167 th.dgn

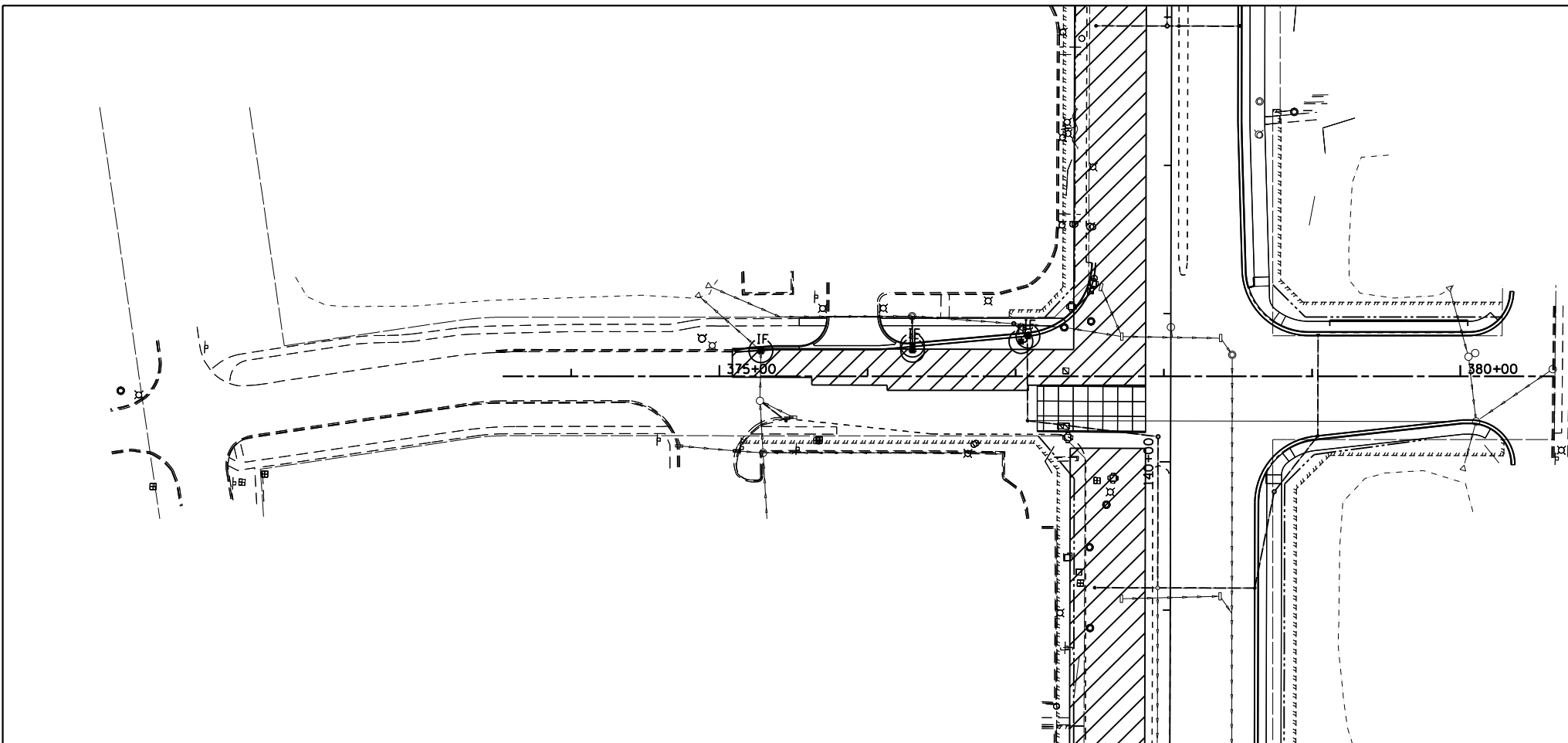
USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
PLOT SCALE = 100.000000' / 1" =	DRAWN - M.P.	REVISED -
PLOT DATE = 3/15/2013	CHECKED - W.H.I.	REVISED -
	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

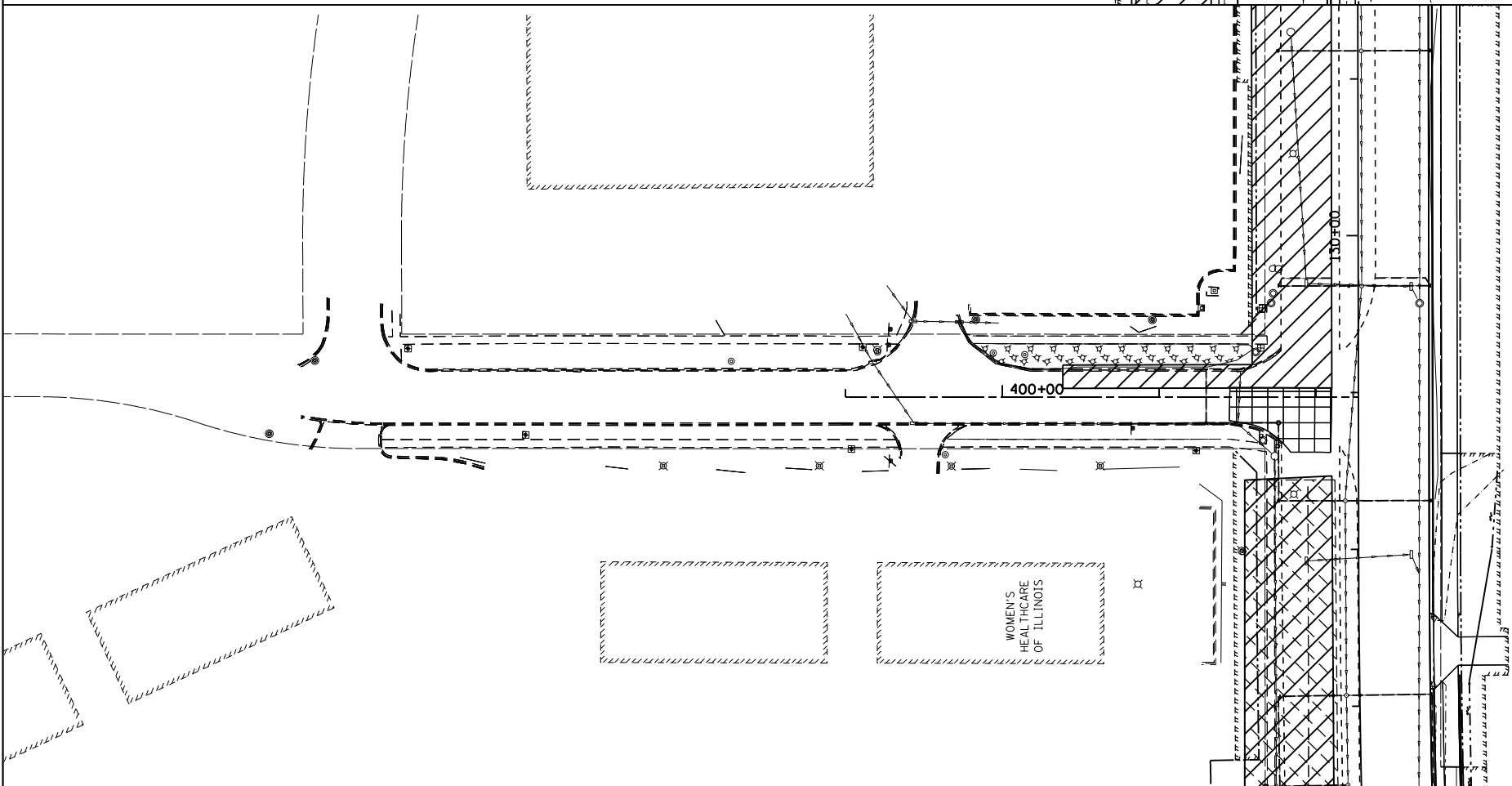
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE 3A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	245
<b>ER-55</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

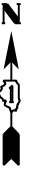
FILE NAME = D160F05-SHT-ER0556.163-d and 165th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
	PLOT SCALE = 100.000000' / in.	DRAWN - M.P.	REVISED -
	PLOT DATE = 3/15/2013	CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE 3A**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	246
<b>ER-56</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

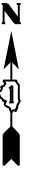


PERIMETER EROSION BARRIER—  
 STA. 899+98, J-HOOK @  
 75' C-C

PERIMETER EROSION BARRIER—

MATCH LINE STA. 908+00.00  
 SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



SEE ABOVE  
 MATCH LINE STA. 908+00.00

**APEX**  
 CONSULTING ENGINEERS, LLC  
 111 E. Wacker Drive, Suite 520  
 Chicago, IL 60601

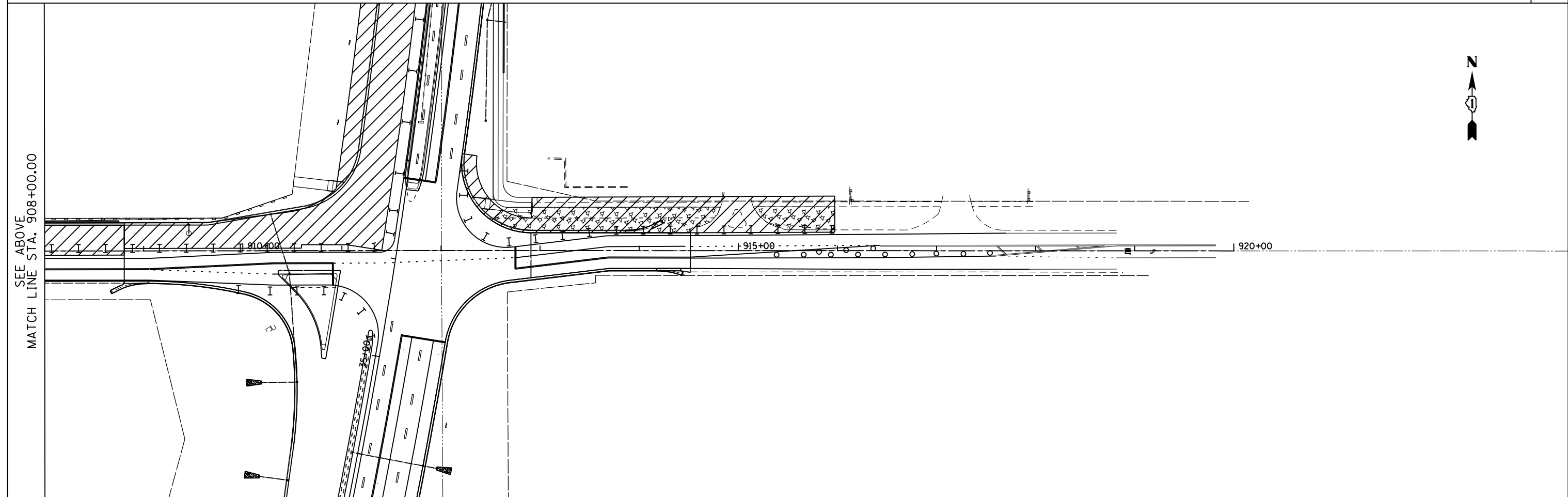
FILE NAME = D160F05-SHT-ER0557.179th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
		CHECKED - W.H.I.	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

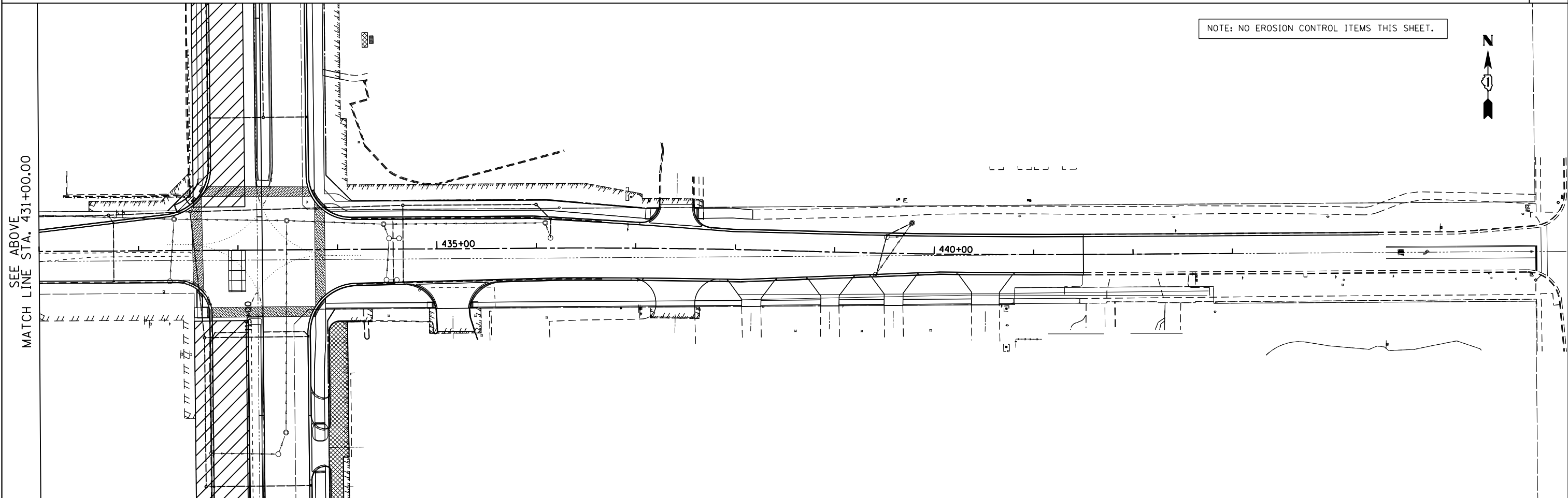
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
 179TH STREET - STAGE 3B**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 897+00.00 TO STA. 920+00.00

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	247
<b>ER-57</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				



SEE ABOVE  
MATCH LINE STA. 431+00.00



NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

FILE NAME =  
D160F05-SHT-ER0558\_167.thdgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" = 100'  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

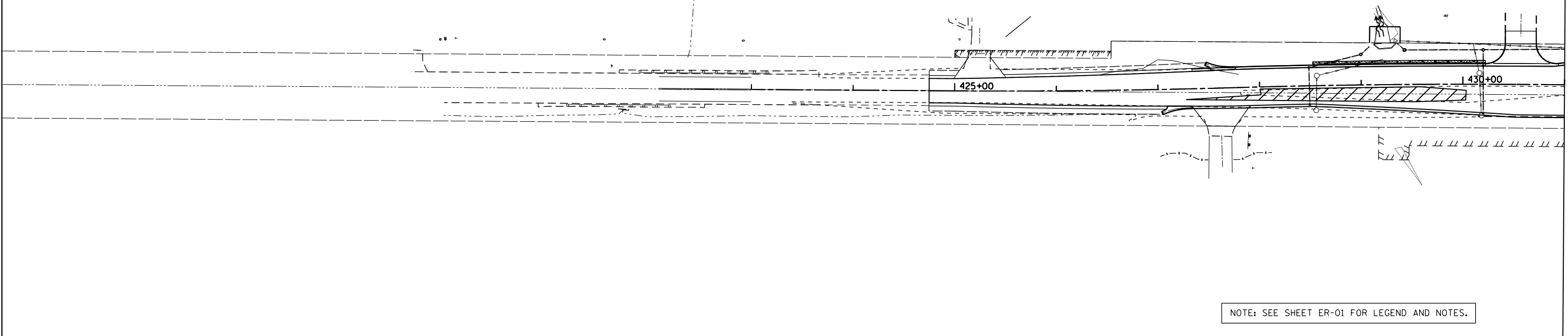
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
167TH STREET - STAGE 3B**

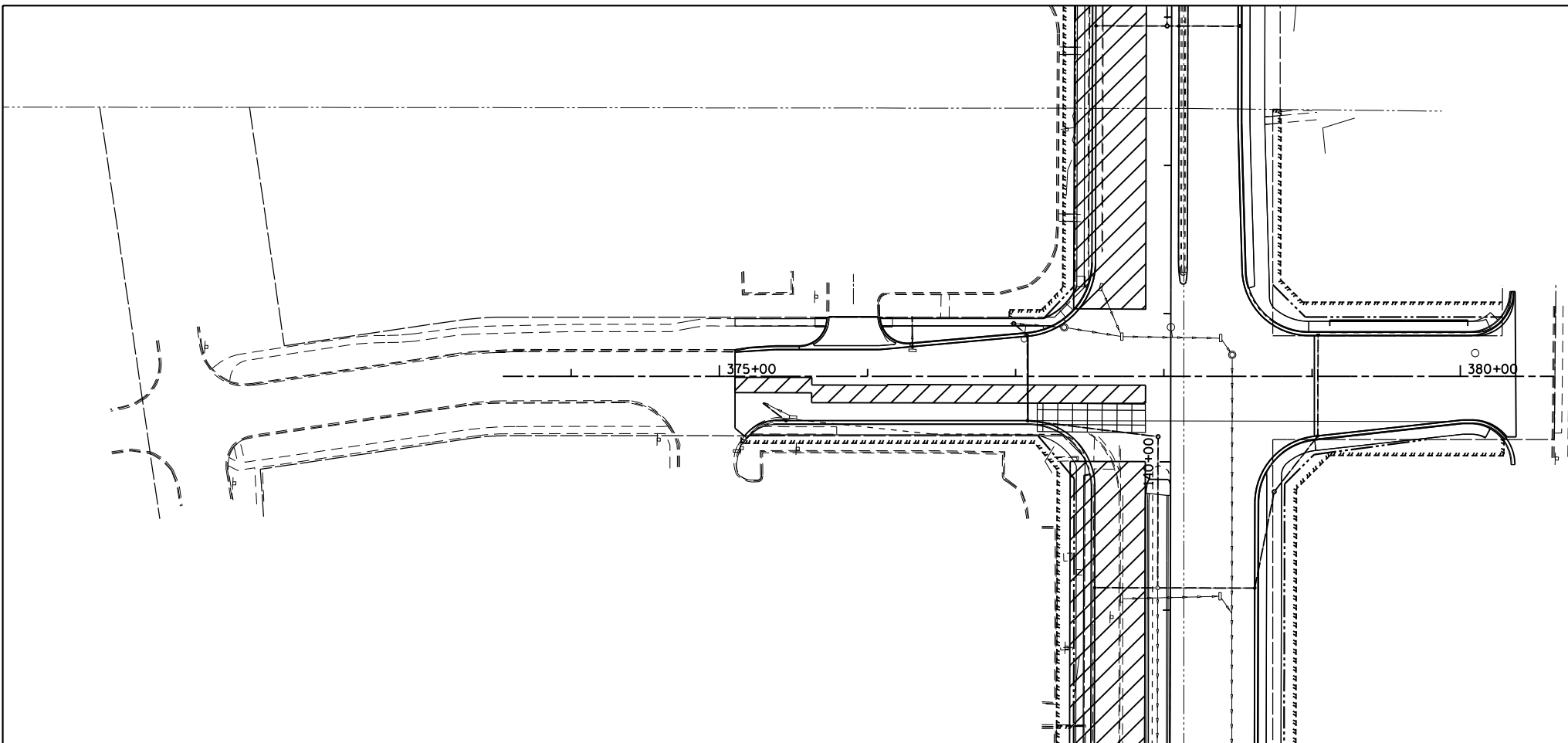
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. As RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	248
<b>ER-58</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



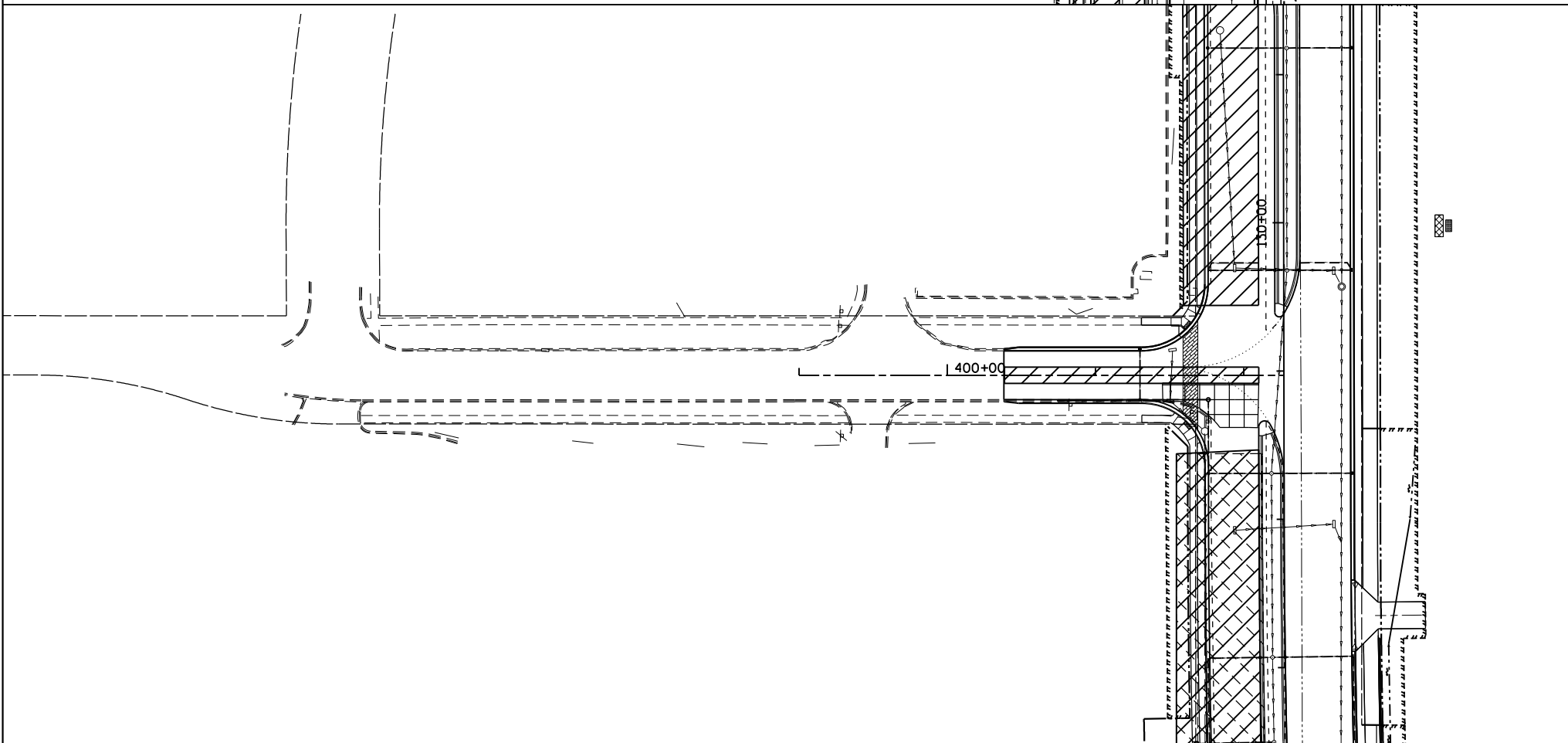
NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

MATCH LINE STA. 431+00.00  
SEE BELOW



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D:\160F05-SHT-ER0559-163-rd and 165th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / 1" =	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

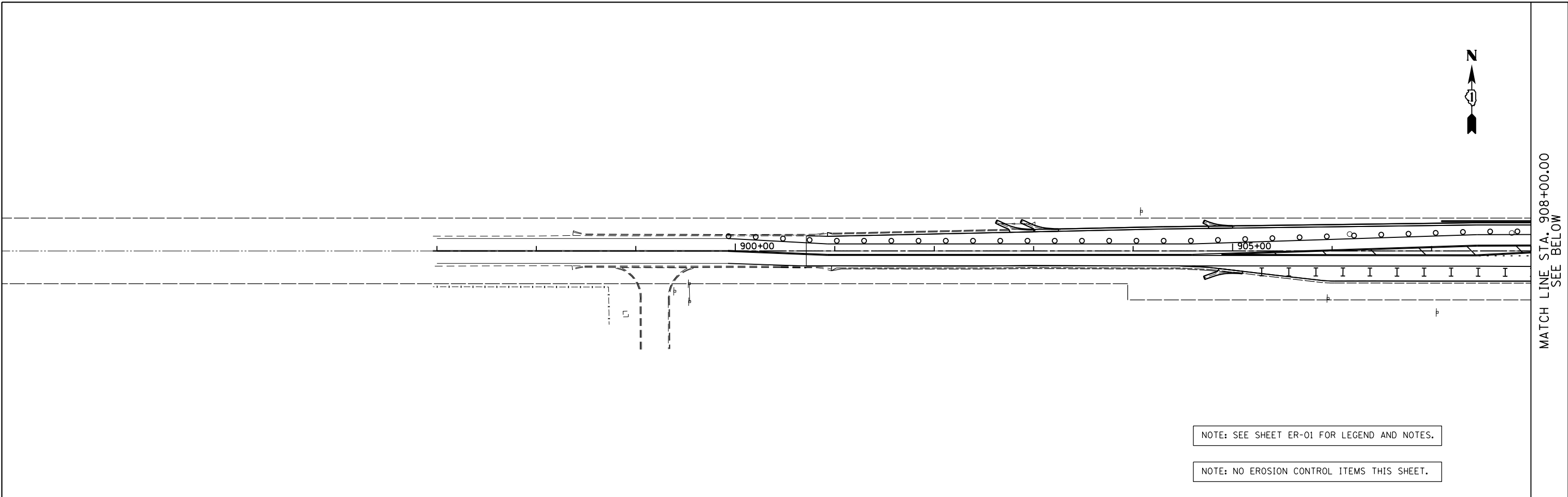
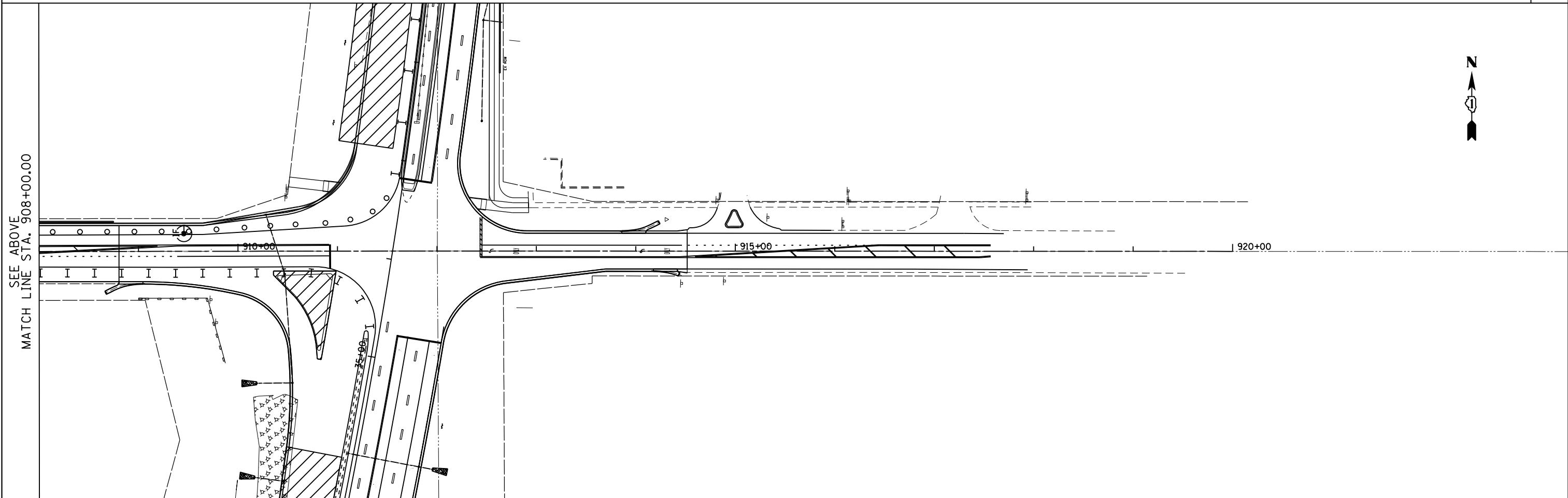
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE 3B**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	249
<b>ER-59</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE ABOVE  
MATCH LINE STA. 908+00.00



MATCH LINE STA. 908+00.00  
SEE BELOW

NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.

NOTE: NO EROSION CONTROL ITEMS THIS SHEET.

FILE NAME =  
D160F05-SHT-ER0560.179th.st.dgn

USER NAME = Anthony.Plutz  
PLOT SCALE = 100.000000' / 1" / in.  
PLOT DATE = 3/15/2013

DESIGNED - L.N.  
DRAWN - M.P.  
CHECKED - W.H.I.  
DATE - 03/13/13

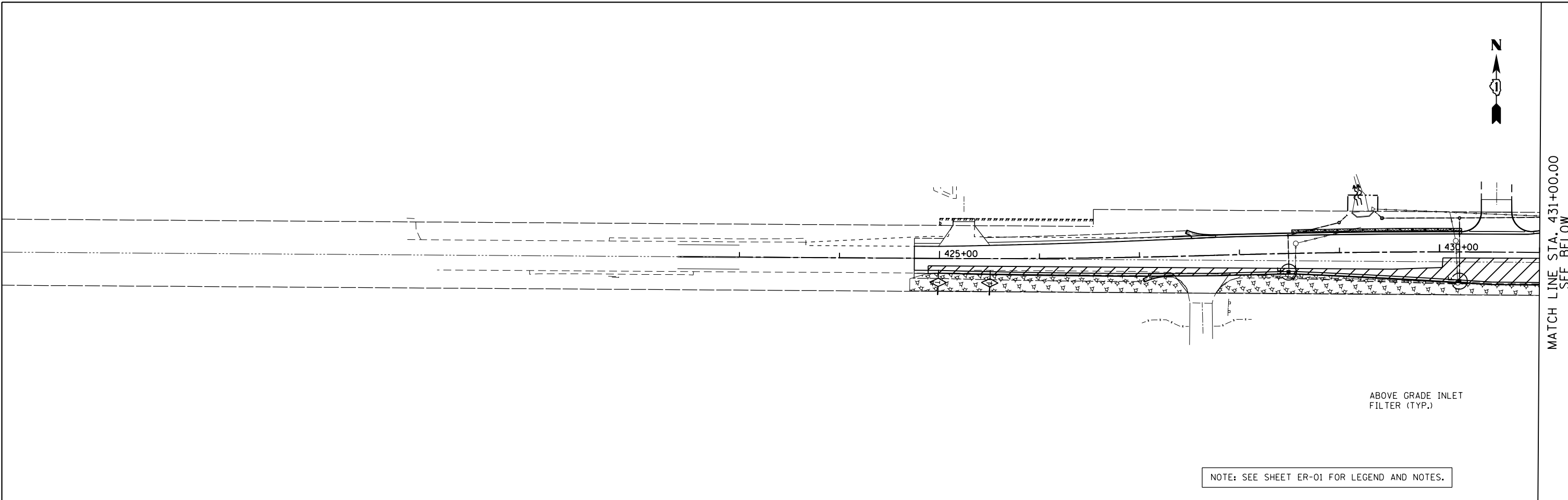
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

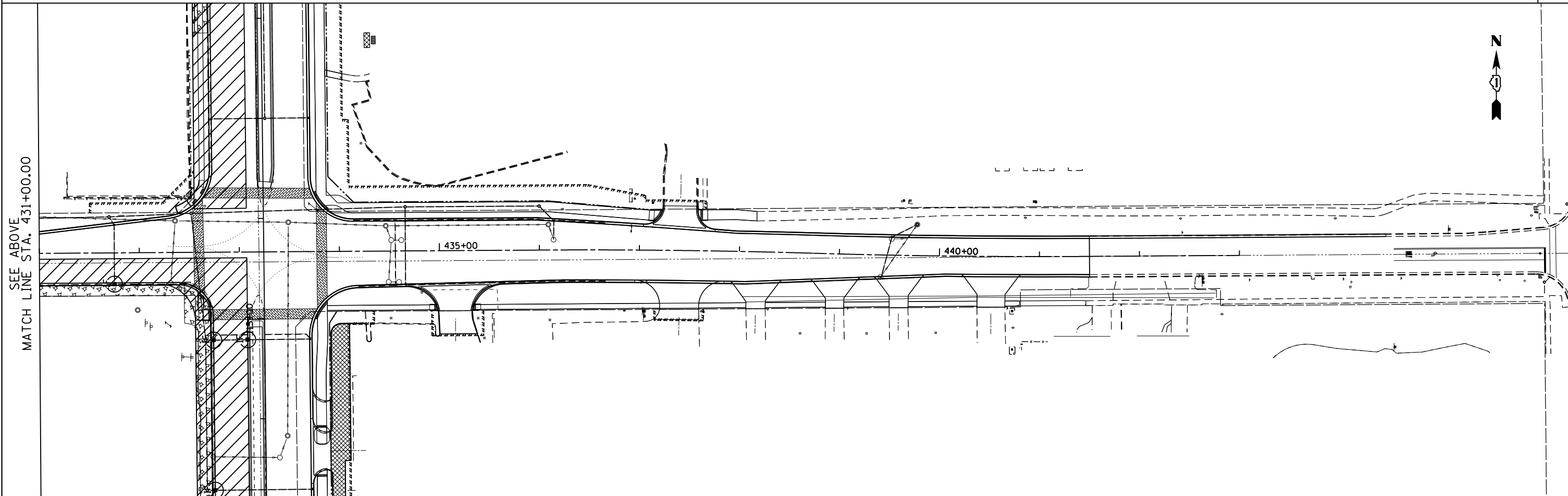
**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
179TH STREET - STAGE 3C**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 897+00.00 TO STA. 920+00.00

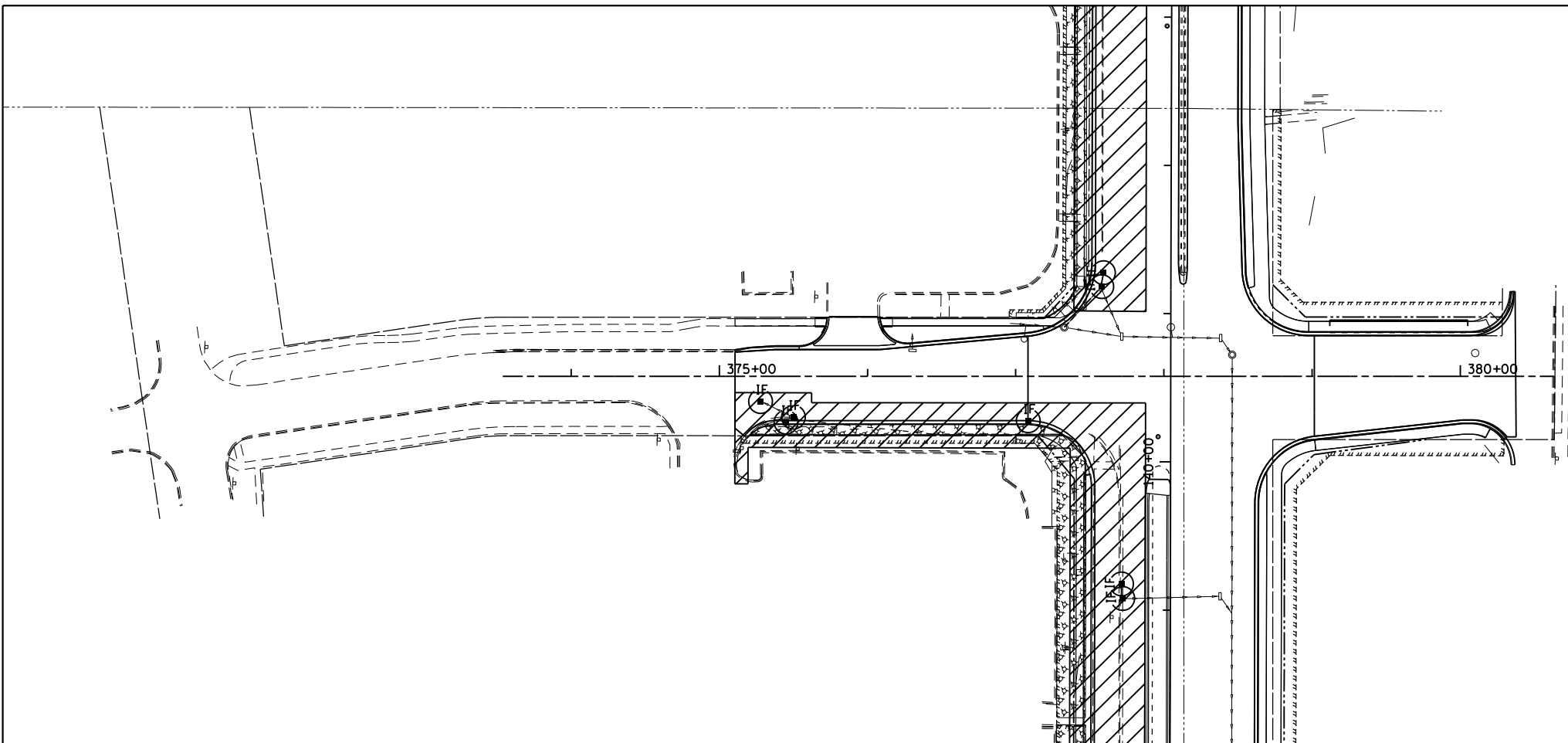
F.F. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	250
<b>ER-60</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



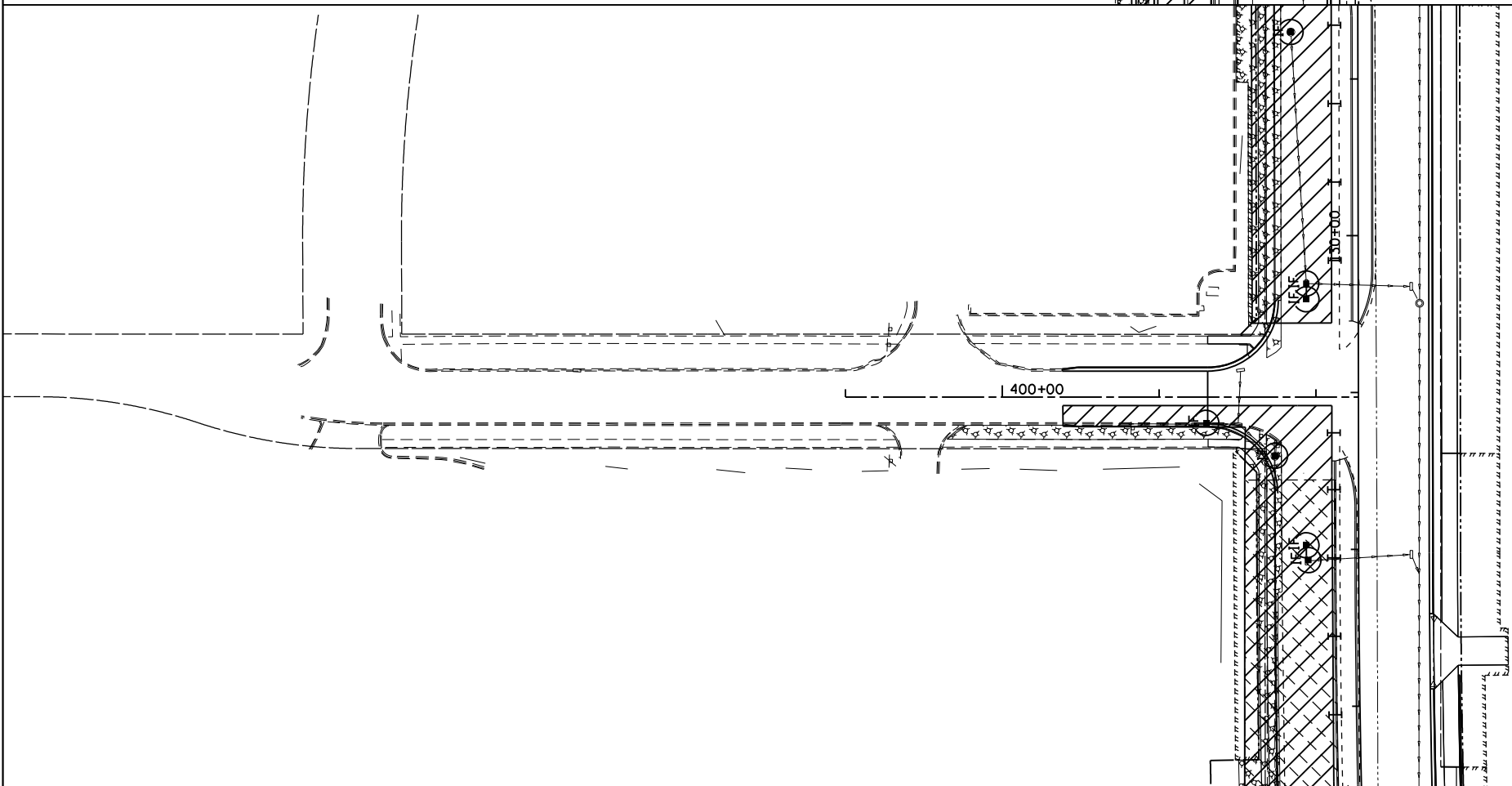
MATCH LINE STA. 431+00.00  
SEE BELOW



FILE NAME = D160F05-SHT-ER0561.167th.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT 167TH STREET - STAGE 3C</b>			F. as of RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - M.P.	REVISED -					330	103R-3	COOK	932	251
		CHECKED - W.H.I.	REVISED -		<b>ER-61</b>			CONTRACT NO. 60F05				
		DATE - 03/13/13	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					



NOTE: SEE SHEET ER-01 FOR LEGEND AND NOTES.



**APEX**  
CONSULTING ENGINEERS, LLC  
111 E. Wacker Drive, Suite 520  
Chicago, IL 60601

FILE NAME = D160F05-SHT-ER0562.163-d and 165st.dgn	USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
		DRAWN - M.P.	REVISED -
	PLOT SCALE = 100.000000' / in.	CHECKED - W.H.I.	REVISED -
	PLOT DATE = 3/15/2013	DATE - 03/13/13	REVISED -

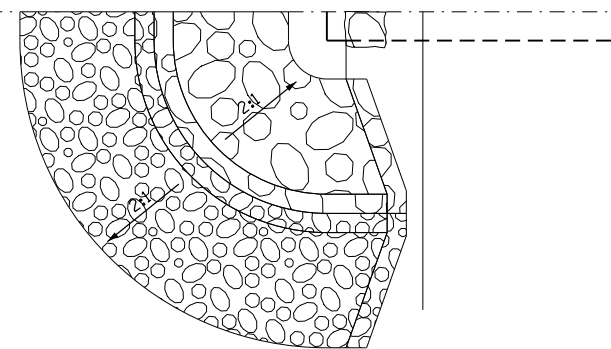
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - SOUTH CONTRACT  
165TH STREET AND 163RD STREET - STAGE 3C**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

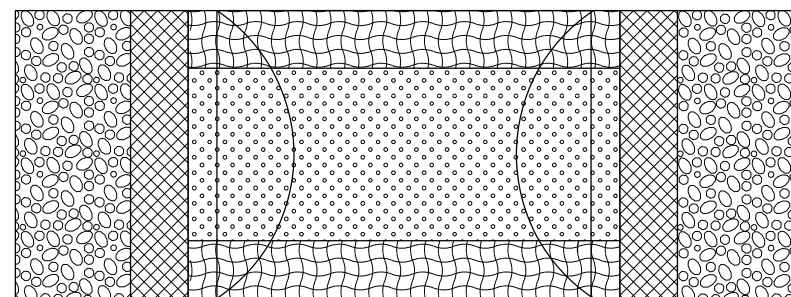
F. # RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	252
<b>ER-62</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				





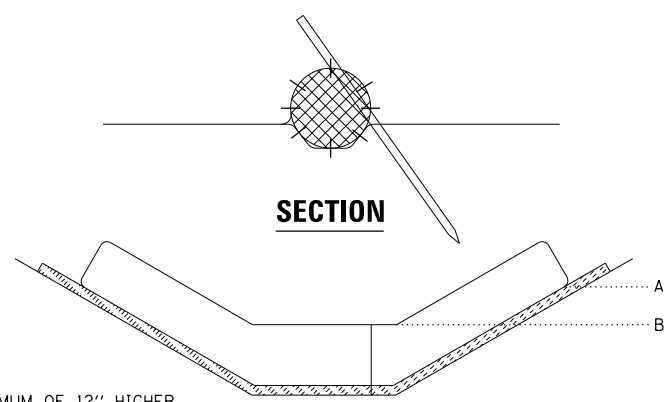
**HALF PLAN VIEW**

IN-FLOW



**PLAN VIEW**

OUT-FLOW

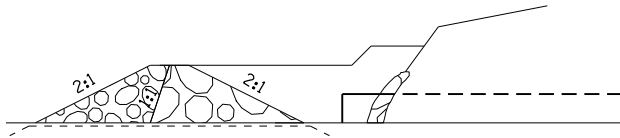


**SECTION**

**ELEVATION**

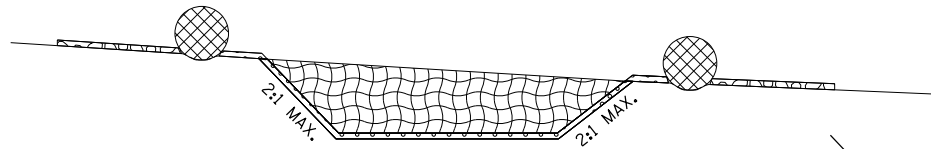
POINT A MUST BE A MINIMUM OF 12" HIGHER THAN POINT B TO INSURE WATER FLOWS OVER THE DITCH CHECK AND NOT AROUND THE ENDS.

**TEMPORARY DITCH CHECK  
ROLLED EXCELSIOR**



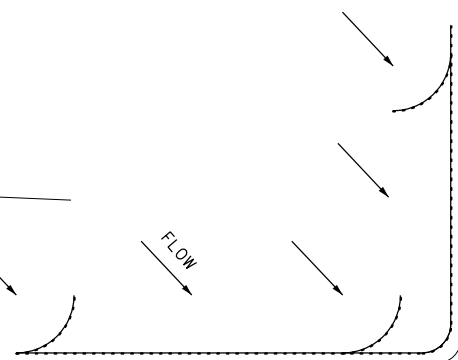
**CENTERLINE CROSS SECTION**

**AGGREGATE BERM**

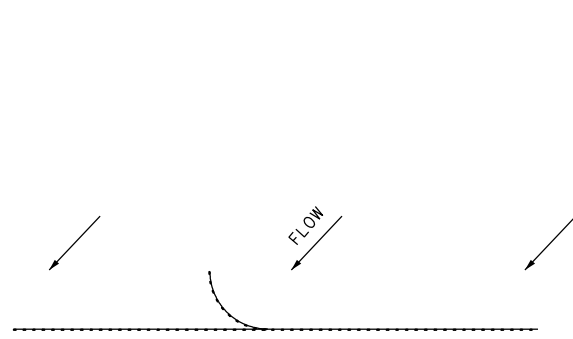


**SECTION**

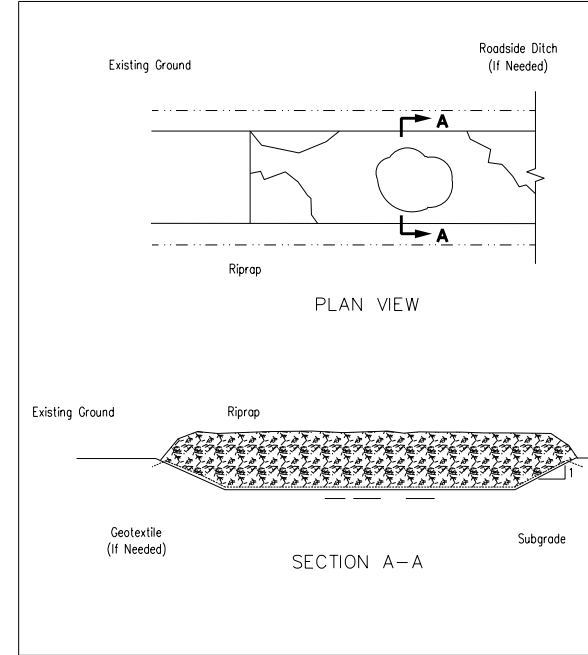
**SEDIMENT TRAP**



**"J" HOOKS AT CORNER**

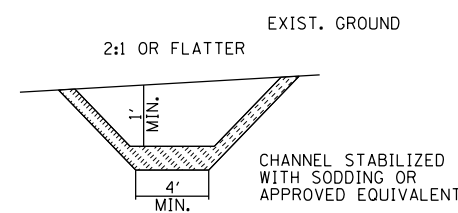


**"J" HOOKS AT PERIMETER CONTROL  
SILT FENCE PLACEMENT**

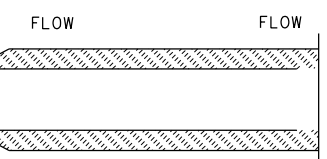


NOTES:  
 1. Rock shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction. 2. See plans for construction road location, D and W dimensions. 3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required. 4. Roadway shall follow the contour of the natural terrain to the extent possible. 5. Geotextile (non-woven) minimum criteria: Weight of Geotextile (oz/sq.yd.) \_\_\_\_\_ 6 Tensile strength (lb) ASTM D 4632 \_\_\_\_\_ 180 Elongation at failure (%) ASTM D 4632 \_\_\_\_\_ 50 Puncture (lb) ASTM D 4833 \_\_\_\_\_ 80 Ultraviolet light (% residual tensile strength) \_\_\_\_\_ ASTM D 4355 \_\_\_\_\_ min 70 Apparent opening size (AOS) ASTM D 4751 \_\_\_\_\_ max 40 sieve Permittivity sec<sup>-1</sup> ASTM D 4491 \_\_\_\_\_ min 0.706. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

CONSTRUCTION ROAD STABILIZATION  
 NRC  
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PROJECT NO. 103R-3  
 SHEET NO. 1 OF 1



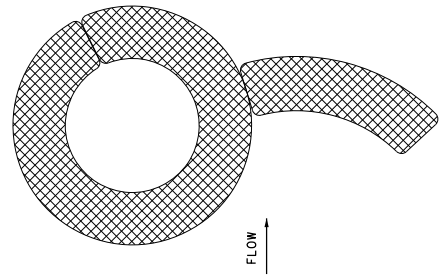
**SECTION**



**PLAN VIEW**

**TEMPORARY SWALE**

- NOTES:
1. ALL TEMPORARY SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET
  2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICES.
  3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
  4. ALL TREES, BRUSH, STUMPS, OBSTRUCTION AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
  5. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
  6. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTION OF THE SWALE.



**ABOVE GRADE INLET FILTER  
WITH TRIANGULAR SILT DIKE**

NOTE:  
 REQUIRED CONSTRUCTION ENTRANCE/EXIT/ROAD STABILIZATIONS WILL NOT BE PAID FOR SEPERATELY, BUT WILL BE BUILT ACCORDING TO DETAIL.

APEX CONSULTING ENGINEERS, LLC  
 111 E. Lake Street, Suite 520  
 Chicago, IL 60601

FILE NAME =  
 D160F05-SHT-ER05-63\_Details.dgn

USER NAME = Anthony.Plutz	DESIGNED - L.N.	REVISED -
PLOT SCALE = 100.000000' / 1"	DRAWN - M.P.	REVISED -
PLOT DATE = 3/15/2013	CHECKED - W.H.I.	REVISED -
	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN		
DETAILS - SOUTH CONTRACT		
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F. & S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	253
ER-63		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

NOTES:

1. CONNECTION TO EXISTING DRAINAGE STRUCTURES TO BE INCLUDED IN THE COST OF STORM SEWER PLACEMENT.

2. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE COST OF DRAINAGE PAY ITEMS.

3. STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY TO THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES. FOR FLARED END SECTIONS THE STATION/OFFSET AND ELEVATION ARE GIVEN TO THE END OF STORM SEWER PIPE.

4. ALL ABANDONED SEWER INVERTS SHALL BE PLUGGED WITH BRICK AND CLASS SI CONCRETE TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING REMOVED.

5. MINIMUM UNDERDRAIN DEPTH IS 36" BELOW THE TOP OF THE PAVEMENT SURFACE WITH POSITIVE FLOW MAINTAINED. SEE IDOT STANDARD DRAWING 601001 FOR DETAILS.

6. UNDERDRAINS ARE OFFSET FOR CLARITY. SEE IDOT STANDARD DRAWING 601001 FOR DETAILS.

7. THE COST OF MAKING UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED UNDERDRAIN.

8. END SECTIONS AND HEADWALL TO BE REMOVED SHALL BE INCIDENTAL TO THE COST OF STORM SEWER REMOVAL.

EXISTING DRAINAGE LEGEND

CULVERT		STORM SEWER	
DITCH LINE		STORM SEWER REMOVAL	
EDGE OF WATER		CULVERT REMOVAL	
WETLAND		HEADWALL	
CATCH BASIN		STRUCTURE TO BE REMOVED	
MANHOLE		DRAINAGE STRUCTURE OR SAN MH TO BE ADJUSTED	
INLET		MULTIPLE DRAINAGE STRUCTURE ADJUSTMENTS	
FLARED END SECTION		DRAINAGE STRUCTURE TO BE RECONSTRUCTED	
JUNCTION CHAMBER			

PROPOSED DRAINAGE LEGEND

DITCH FLOW		HEADWALL	
SUMMIT		STORM SEWER	
SWALE		PIPE UNDERDRAINS	
PAVEMENT DRAINAGE FLOW		CULVERT ID	
BOX CULVERT		STORM SEWER ID	
PIPE CULVERT		DRAINAGE STRUCTURE ID	
CATCH BASIN		DRAINAGE STRUCTURE TO BE ADJUSTED	
INLET		DRAINAGE STRUCTURE TO BE RECONSTRUCTED	
FLARED END SECTION		MULTIPLE DRAINAGE STRUCTURE ADJUSTMENTS	
MANHOLE		INSTALL FRAMES AND GRATES	
MH W/RESTRICTOR PLATE			
RIP RAP			
JUNCTION CHAMBER			

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

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
D160F05-SHT-DRAIN NOTES-01.dgn		DRAWN - REW	REVISED -
	PLOT SCALE = 40.00' / in.	CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/12/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE NOTES AND LEGEND

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	254
<b>DN-01</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

**SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION**

THE FOLLOWING REPRESENTS THE SUGGESTED METHOD FOR MAINTAINING DRAINAGE WHILE CONSTRUCTING THE PROPOSED IMPROVEMENTS IN ACCORDANCE WITH THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS AND CONSTRUCTION STAGING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE DURING ALL STAGES OF CONSTRUCTION. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACT INCLUDES PAY ITEMS FOR TEMPORARY DRAINAGE ITEMS, PAVEMENT PATCHING, CURB AND GUTTER REPAIR, AND THE VARIOUS ADJUSTMENTS THROUGHOUT ALL STAGES OF WORK. CLASS D PATCHES HAVE BEEN ADDED TO THE CONTRACT FOR USE AS TEMPORARY PATCHING OVER STORM SEWERS. THE COST OF INSTALLATION AND REMOVAL OF TEMPORARY CONNECTIONS, PLUGGING PIPES, AND TEMPORARY GRADING WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE VARIOUS DRAINAGE PAY ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND LOCATIONS OF DRAINAGE ELEMENTS. ANY CHANGE FROM THIS PLAN SHALL ALSO BE SUBJECT TO THE APPROVAL OF ENGINEER.

**PRE-STAGE**

REMOVE EXISTING DRAINAGE STRUCTURES AND STORM SEWER IN ACCORDANCE WITH THE REMOVAL PLANS AND AS REQUIRED TO CONSTRUCT THE DRAINAGE SYSTEM.

AT THE FOLLOWING LOCATIONS CONSTRUCT CROSS CULVERTS AND/OR OUTLET PIPES AND DRAINAGE STRUCTURES, REGRADE DITCHES TO ALLOW FLOW INTO AND OUT OF CULVERTS AND STORM SEWERS AS REQUIRED, PATCH PAVEMENT, AND REPAIR CURB AND GUTTER. EXISTING CONNECTIONS TO NEW CULVERTS/STORM SEWERS SHALL BE REESTABLISHED TO MAINTAIN FLOW AS REQUIRED.

- STA. 45+21
- STA. 54+15
- STA. 67+88
- STA. 75+09
- STA. 75+14
- STA. 82+06
- STA. 105+15
- STA. 105+19
- STA. 126+12
- STA. 126+25
- STA. 126+30
- STA. 126+50
- STA. 160+06
- STA. 160+10

CONSTRUCT PROPOSED MAIN DRAIN STORM SEWER AND ASSOCIATED DRAINAGE STRUCTURES WITHIN THE FOLLOWING LIMITS:

FROM STR. NO. TO STR. NO.

- 201A \_\_\_\_\_ 200 WEST PARKWAY
- 408 \_\_\_\_\_ 400 WEST PARKWAY
- 510 \_\_\_\_\_ 500 WEST PARKWAY
- 721 \_\_\_\_\_ 700 WEST PARKWAY
- 1706 \_\_\_\_\_ 700 WEST PARKWAY
- 817 \_\_\_\_\_ 804 WEST PARKWAY
- 804 \_\_\_\_\_ 800 NORTH PARKWAY - 167TH ST.
- 908 \_\_\_\_\_ EX903 MEDIAN
- EX962 \_\_\_\_\_ 965A MEDIAN EXTENDING WEST TO 163RD ST.
- 1107 \_\_\_\_\_ EX1105 MEDIAN
- 1202 \_\_\_\_\_ 1201 EAST PARKWAY - JUNCTION CHAMBER TO OUTFALL PIPE

CONSTRUCT LATERAL STORM SEWERS AND ASSOCIATED DRAINAGE STRUCTURES, PATCH PAVEMENT AND REPAIR CURB AND GUTTER AT THE FOLLOWING LOCATIONS:

- STA. 68+87
- STA. 70+34
- STA. 71+87
- STA. 73+34
- STA. 74+84
- STA. 76+34
- STA. 77+13
- STA. 77+86
- STA. 78+77
- STA. 79+38
- STA. 80+17
- STA. 80+90
- STA. 81+66
- STA. 82+45
- STA. 83+25
- STA. 84+05
- STA. 84+85
- STA. 85+65
- STA. 88+15
- STA. 90+73
- STA. 91+83
- STA. 92+93
- STA. 94+23
- STA. 95+53
- STA. 96+83
- STA. 98+13
- STA. 99+43
- STA. 100+73
- STA. 102+03
- STA. 103+33
- STA. 104+53
- STA. 105+65
- STA. 106+67
- STA. 107+69
- STA. 108+71
- STA. 109+73
- STA. 113+29
- STA. 114+79

TEMPORARILY CONNECT THE EXISTING STORM SEWER LATERAL PIPES DRAINING THE SOUTHBOUND EDGE OF PAVEMENT AND MEDIAN DRAINAGE STRUCTURES TO THE PROPOSED WEST PARKWAY MAIN DRAIN STORM SEWER AT THE FOLLOWING LOCATIONS:

- STA. 84+75
- STA. 88+71
- STA. 98+33
- STA. 101+32
- STA. 104+95
- STA. 107+44

**PRE-STAGE (CONTINUED)**

TEMPORARILY CONNECT THE EXISTING STORM SEWER LATERAL PIPES DRAINING THE SOUTHBOUND EOP DRAINAGE STRUCTURES TO THE PROPOSED MEDIAN MAIN DRAIN STORM SEWER AT THE FOLLOWING LOCATIONS:

- STA. 119+23
- STA. 122+21
- STA. 124+16
- STA. 143+93

AT THE FOLLOWING LOCATIONS TEMPORARY CATCH BASINS AND STORM SEWER SHALL BE INSTALLED AND CONNECTED TO EXISTING DRAINAGE STRUCTURES AND STORM SEWER, PATCH EXISTING PAVEMENT AND INSTALL TEMPORARY PAVEMENT. FOR COMPLETE DETAILS REFER TO THE EROSION CONTROL AND MOT PLANS.

TEMPORARY CATCH BASINS

STR. NO.

- S-1 STA. 39+08 53' LT
- S-2 STA. 40+79 53' LT
- S-3 STA. 43+39 53' LT
- S-4 STA. 119+12 51' LT
- S-5 STA. 122+14 51' LT
- S-6 STA. 124+07 42' LT
- S-7 STA. 125+57 36' LT
- S-8 STA. 125+87 36' LT
- S-9 STA. 128+03 33' LT
- S-10 STA. 129+60 33' LT
- S-11 STA. 133+43 33' LT
- S-12 STA. 135+42 33' LT
- S-13 STA. 137+43 33' LT
- S-14 STA. 139+18 33' LT
- S-15 STA. 141+28 47' LT
- S-16 STA. 143+83 40' LT
- S-17 STA. 145+43 33' LT
- S-18 STA. 147+43 33' LT
- S-19 STA. 150+34 33' LT
- S-20 STA. 151+92 33' LT
- S-21 STA. 153+74 33' LT
- S-22 STA. 155+53 33' LT
- S-23 STA. 157+94 33' LT
- S-24 STA. 160+87 40' LT
- S-25 STA. 162+47 46' LT

TEMPORARY STORM SEWER

PIPE NO. FROM STA. TO STA.

- P-1 39+09 MEDIAN CB TO EOP CB
- P-2 39+03 39+08 TEMP CB TO EXIST CB
- P-3 40+69 40+79 TEMP CB TO EXIST CB
- P-4 43+29 EXIST CB TO DITCH
- P-5 43+29 43+39 TEMP CB TO EXIST CB
- P-1A 84+75 EXIST CB TO PR MAIN DRAIN SS
- P-2A 88+71 EXIST CB TO PR MAIN DRAIN SS
- P-3A 98+33 EXIST CB TO PR MAIN DRAIN SS
- P-4A 101+32 EXIST CB TO PR MAIN DRAIN SS
- P-5A 104+95 EXIST CB TO PR MAIN DRAIN SS
- P-6A 107+44 EXIST CB TO PR MAIN DRAIN SS
- P-6 119+12 119+22 TEMP CB TO EXIST CB
- P-7 122+14 122+24 TEMP CB TO EXIST CB
- P-8 124+07 124+17 TEMP CB TO EXIST CB
- P-9 125+57 125+67 TEMP CB TO EXIST CB
- P-10 125+87 125+77 TEMP CB TO EXIST CB
- P-11 128+03 127+93 TEMP CB TO EXIST CB
- P-12 129+60 129+70 TEMP CB TO EXIST CB
- P-13 133+43 133+33 TEMP CB TO EXIST CB
- P-14 135+42 135+32 TEMP CB TO EXIST CB
- P-15 137+43 137+33 TEMP CB TO EXIST CB
- P-16 139+18 139+08 TEMP CB TO EXIST CB
- P-17 140+91 141+18 NW CORNER OF 163RD ST.
- P-18 141+28 141+18 TEMP CB TO EXIST CB
- P-19 143+83 143+93 TEMP CB TO EXIST CB
- P-20 145+43 145+53 TEMP CB TO EXIST CB
- P-21 147+43 147+53 TEMP CB TO EXIST CB
- P-22 150+34 150+24 TEMP CB TO EXIST CB
- P-23 151+92 152+02 TEMP CB TO EXIST CB
- P-24 153+74 153+84 TEMP CB TO EXIST CB
- P-25 155+53 155+63 TEMP CB TO EXIST CB
- P-26 157+94 158+04 TEMP CB TO EXIST CB
- P-27 160+87 160+97 TEMP CB TO EXIST CB
- P-28 162+47 162+57 TEMP CB TO EXIST CB

**PRE-STAGE (CONTINUED)**

EXISTING DRAINAGE STRUCTURES AT THE FOLLOWING LOCATIONS SHALL BE ADJUSTED:

CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID

- STA. 39+03 50' LT
- STA. 40+69 47' LT
- STA. 43+29 50' LT
- STA. 131+25 40' LT

MANHOLES TO BE ADJUSTED

- STA. 69+83 58' LT
- STA. 76+84 60' LT
- STA. 78+81 58' LT
- STA. 152+12 39' LT
- STA. 155+78 39' LT
- STA. 158+13 38' LT

INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID

- STA. 119+20 51' LT
- STA. 122+24 51' LT
- STA. 124+20 42' LT
- STA. 125+67 36' LT
- STA. 125+77 36' LT
- STA. 127+93 33' LT
- STA. 129+70 33' LT
- STA. 133+33 33' LT
- STA. 135+32 33' LT
- STA. 137+33 33' LT
- STA. 139+08 33' LT
- STA. 141+18 47' LT
- STA. 143+93 40' LT
- STA. 145+53 33' LT
- STA. 147+53 33' LT
- STA. 150+24 33' LT
- STA. 152+02 33' LT
- STA. 153+84 33' LT
- STA. 155+63 33' LT
- STA. 158+04 33' LT
- STA. 160+97 33' LT
- STA. 162+57 46' LT

MANHOLES TO BE RECONSTRUCTED

- STA. 72+91 59' LT

**STAGE 1**

STAGE 1 WORK SHALL INCLUDE THE CONSTRUCTION OF DRAINAGE ELEMENTS WITHIN THE NORTHBOUND LANES AND EAST PARKWAY.

REMOVE EXISTING DRAINAGE STRUCTURES AND STORM SEWER IN ACCORDANCE WITH THE REMOVAL PLANS AND AS REQUIRED TO CONSTRUCT THE DRAINAGE SYSTEM.

CONSTRUCT PROPOSED MAIN DRAIN STORM SEWER, LATERAL STORM SEWERS, AND INSTALL ASSOCIATED DRAINAGE STRUCTURES WITHIN THE WORK ZONE AND IN ACCORDANCE WITH THE PROPOSED DRAINAGE PLANS.

EXISTING DRAINAGE STRUCTURES AT THE FOLLOWING LOCATIONS SHALL BE ADJUSTED:

MANHOLES TO BE ADJUSTED

- STA. 69+28 58' RT

ADJUST/RECONSTRUCT THE FOLLOWING PREVIOUSLY INSTALLED DRAINAGE STRUCTURES: (AT THE CONTRACTORS OPTION AND WITH THE APPROVAL OF THE ENGINEER, OTHER DRAINAGE STRUCTURES WITHIN THE MEDIAN AREA MAY BE INCLUDED)

INLETS TO BE ADJUSTED CATCH BASINS TO BE ADJUSTED INLETS TO BE RECONSTRUCTED

- | STR. NO. | STR. NO. | STR. NO. | STR. NO. |
|----------|----------|----------|----------|
| • 427    | • 793    | • 728    | • 419    |
| • 513    | • 763    |          | • 756    |
| • 537    | • 740    |          | • 748    |
| • 529    | • 1717   |          |          |
| • 521    | • 1725   |          |          |
| • 724    |          |          |          |



FILE NAME = D:\160F05-SHT-DRAIN NOTES-02.dgn	USER NAME = Anthony.Plutz	DESIGNED - DLT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - NFT	REVISED -			330	103R-3	COOK	932	255	
		CHECKED - DLT	REVISED -			<b>DN-02</b>		<b>CONTRACT NO. 60F05</b>			
SHT.PLAN	PLOT DATE = 3/12/2013	DATE - 03/13/13	REVISED -			SCALE: NONE	SHEET 2 OF 3 SHEETS	STA. 20+30.01 TO STA. 168+04.11	ILLINOIS FED. AID PROJECT		

SUGGESTED SEQUENCE OF DRAINAGE INSTALLATION

STAGE 2

STAGE 2 WORK SHALL INCLUDE THE CONSTRUCTION OF DRAINAGE ELEMENTS WITHIN THE LEFT TURN LANES AND MEDIAN AREA.

REMOVE EXISTING DRAINAGE STRUCTURES AND STORM SEWER IN ACCORDANCE WITH THE REMOVAL PLANS AND AS REQUIRED TO CONSTRUCT THE DRAINAGE SYSTEM.

EXTEND APPROPRIATE PORTIONS OF PROPOSED STORM SEWER LATERALS AND INSTALL ASSOCIATED DRAINAGE STRUCTURES IN ACCORDANCE WITH THE DRAINAGE PLANS. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO DRAINAGE STRUCTURES WITH APPROPRIATE LENGTHS OF STORM SEWER IN LEFT TURN LANES AND ALONG MEDIAN EDGES.

ADJUST/RECONSTRUCT THE FOLLOWING PREVIOUSLY INSTALLED DRAINAGE STRUCTURES: (AT THE CONTRACTORS OPTION AND WITH THE APPROVAL OF THE ENGINEER, OTHER DRAINAGE STRUCTURES WITHIN THE MEDIAN AREA MAY BE INCLUDED)

INLETS TO BE ADJUSTED

- STR. NO.
- 785
  - 778
  - 770
  - 815

CATCH BASINS TO BE ADJUSTED

- STR. NO.
- 762

MANHOLES TO BE ADJUSTED

- | <u>STR. NO.</u> | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|-----------------|
| • 908           | • EX957         | • EX957         |
| • 907           | • EX958         | • EX958         |
| • 905           | • EX959         | • EX959         |
| • 904           | • EX960         | • EX960         |
| • EX903         | • EX961         | • EX961         |
| • EX902         | • EX962         | • EX962         |
| • EX912A        | • 963           | • 963           |
| • EX952         | • 1107          | • 1107          |

MANHOLES TO BE RECONSTRUCTED

- STR. NO.
- 906
  - EX953
  - EX955
  - EX956

STAGE 3

STAGE 3 WORK SHALL INCLUDE THE CONSTRUCTION OF DRAINAGE ELEMENTS WITHIN THE SOUTHBOUND LANES AND WEST PARKWAY.

REMOVE EXISTING DRAINAGE STRUCTURES AND STORM SEWER IN ACCORDANCE WITH THE REMOVAL PLANS AND AS REQUIRED TO CONSTRUCT THE DRAINAGE SYSTEM.

CONSTRUCT PROPOSED MAIN DRAIN STORM SEWER, LATERAL STORM SEWERS, AND INSTALL ASSOCIATED DRAINAGE STRUCTURES WITHIN THE WORK ZONE AND IN ACCORDANCE WITH THE PROPOSED DRAINAGE PLANS.

EXISTING DRAINAGE STRUCTURES AT THE FOLLOWING LOCATIONS SHALL BE ADJUSTED:

CATCH BASINS TO BE ADJUSTED

- STA. 154+18 78' LT
- STA. 154+66 78' LT
- STA. 154+07 122' RT
- STA. 154+60 111' RT
- STA. 154+82 94' RT

MANHOLES TO BE ADJUSTED

- STA. 154+32 71' LT
- STA. 161+09 59' LT
- STA. 162+55 57' LT

STAGE 3 (CONTINUED)

ADJUST/RECONSTRUCT PREVIOUSLY INSTALLED DRAINAGE STRUCTURES. STRUCTURES MAY INCLUDE THOSE IN THE RECONSTRUCTION OF SOUTHBOUND MEDIAN EDGE, SOUTHBOUND EDGE OF PAVEMENT, AND MAIN DRAIN STRUCTURES IN THE WEST PARKWAY.

CATCH BASINS TO BE ADJUSTED

- | <u>STR. NO.</u> | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|-----------------|
| • 409           | • 795           | • 738           |
| • 425           | • 791           | • 734           |
| • 421           | • 787           | • 726           |
| • 511           | • 783           | • 1711          |
| • 539           | • 780           | • 1715          |
| • 535           | • 776           | • 1719          |
| • 531           | • 775           | • 1723          |
| • 527           | • 772           | • 1707          |
| • 523           | • 769           | • 818           |
| • 519           | • 765           | • 813           |
| • 516           | • 761           |                 |
| • 722           | • 759           |                 |

CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE

- | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|
| • 426           | • 784           |
| • 512           | • 777           |
| • 536           | • 739           |
| • 528           | • 727           |
| • 520           | • 1716          |
| • 723           | • 1724          |
| • 792           | • 814           |

CATCH BASINS TO BE RECONSTRUCTED

- | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|
| • 417           | • 750           |
| • 413           | • 746           |
| • 754           | • 742           |

CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 23 FRAME AND GRATE

- STR. NO.
- 418
  - 755
  - 747

REMOVE TEMPORARY CONNECTION FROM THE EXISTING STORM SEWER LATERAL PIPES DRAINING THE SOUTHBOUND EDGE OF PAVEMENT AND MEDIAN DRAINAGE STRUCTURES TO THE PROPOSED WEST PARKWAY MAIN DRAIN STORM SEWER AND PLUG PIPE AT THE FOLLOWING LOCATIONS:

- STA. 84+75
- STA. 88+71
- STA. 98+33
- STA. 101+32
- STA. 104+95
- STA. 107+44

STAGE 3 (CONTINUED)

REMOVE TEMPORARY CONNECTION FROM THE EXISTING STORM SEWER LATERAL PIPES DRAINING THE SOUTHBOUND EDGE OF PAVEMENT DRAINAGE STRUCTURES TO THE PROPOSED MEDIAN MAIN DRAIN STORM SEWER AND PLUG PIPE AT THE FOLLOWING LOCATIONS:

- STA. 119+23
- STA. 122+21
- STA. 124+16
- STA. 143+93

REMOVE TEMPORARY CONNECTIONS INSTALLED AS PART OF CONSTRUCTION CONTRACT 60W07 FROM THE EXISTING STORM SEWER LATERAL PIPES DRAINING THE SOUTHBOUND EOP DRAINAGE STRUCTURES TO THE PROPOSED MEDIAN MAIN DRAIN STORM SEWER AND PLUG PIPE AT THE FOLLOWING LOCATIONS:

- |               |               |
|---------------|---------------|
| • STA. 125+65 | • STA. 137+35 |
| • STA. 127+95 | • STA. 139+08 |
| • STA. 129+70 | • STA. 145+55 |
| • STA. 133+35 | • STA. 147+55 |
| • STA. 135+33 |               |

STAGE 4

STAGE 4 WORK SHALL INCLUDE ADJUSTING DRAINAGE STRUCTURES WITHIN THE LEFT TURN LANE AND MEDIAN AREAS AND INSTALLING FRAMES, GRATES, AND LIDS.

ADJUST THE FOLLOWING PREVIOUSLY INSTALLED DRAINAGE STRUCTURES:

MANHOLES TO BE ADJUSTED

- | <u>STR. NO.</u> | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|-----------------|
| • 908           | • EX953         | • 963           |
| • 907           | • EX955         | • 1107          |
| • 906           | • EX956         | • 1106          |
| • 905           | • EX957         | • EX1105        |
| • 904           | • EX958         | • EX1104        |
| • EX903         | • EX959         | • EX1103        |
| • EX902         | • EX960         | • EX1102        |
| • EX912A        | • EX961         | • EX1101        |
| • EX952         | • EX962         |                 |

REPLACE THE FRAMES AND GRATES OF THE FOLLOWING DRAINAGE STRUCTURES:

FRAMES AND GRATES, TYPE 23

- | <u>STR. NO.</u> | <u>STR. NO.</u> | <u>STR. NO.</u> | <u>STR. NO.</u> |
|-----------------|-----------------|-----------------|-----------------|
| • 1425          | • 230           | • 748           | • 1109          |
| • 1430          | • 309           | • 740           | • 1126          |
| • 1433          | • 427           | • 728           | • 1127          |
| • 1436          | • 419           | • 1717          | • 1120          |
| • 1439          | • 513           | • 1725          | • 1121          |
| • 125           | • 537           | • 815           | • 1114A         |
| • 119           | • 529           | • 934           | • 1217          |
| • 111           | • 521           | • 935           | • 1241          |
| • 1518          | • 724           | • 929           | • 1233          |
| • 1530          | • 793           | • 917           | • 1234          |
| • 1538          | • 785           | • 913           | • 1227          |
| • 1546          | • 778           | • 974           | • 1228          |
| • 1554          | • 770           | • 982           | • 1221          |
| • 1514          | • 762           | • 990           | • 1222          |
| • 218           | • 763           | • 995A          |                 |
| • 226           | • 756           |                 | • 1306          |



FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - DLT	REVISED -
D160F05-SHT-DRAIN NOTES-03.dgn		DRAWN - NFT	REVISED -
		CHECKED - DLT	REVISED -
SHT.PLAN	PLOT DATE = 3/12/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

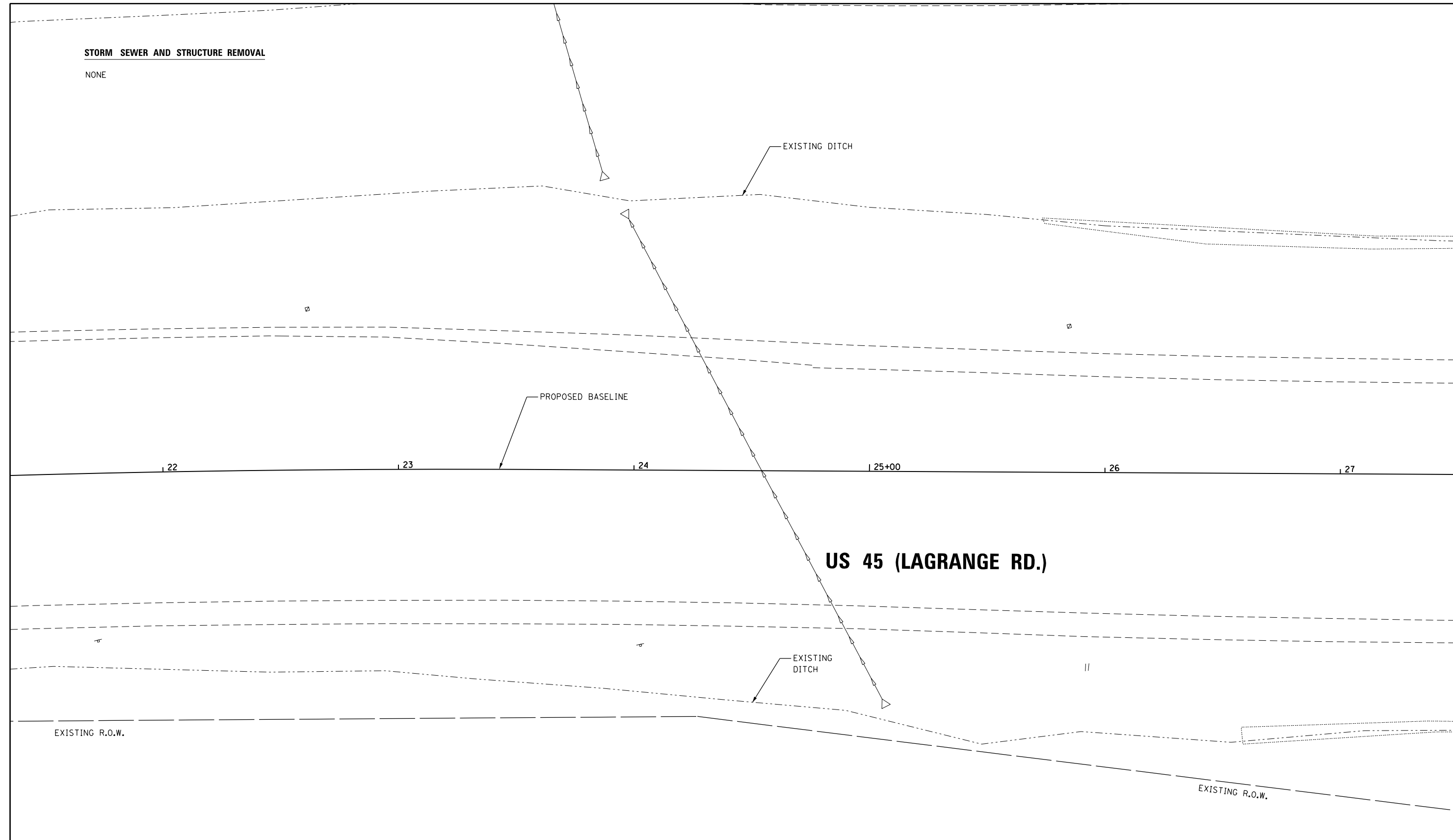
**SUGGESTED SEQUENCE OF  
DRAINAGE INSTALLATION**

SCALE: NONE SHEET 3 OF 3 SHEETS STA. 20+30.01 TO STA. 168+04.11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	256
<b>DN-03</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

STORM SEWER AND STRUCTURE REMOVAL

NONE



MATCH LINE STA. 27+50.00  
SEE SHEET DU-02

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

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

**URS**

FILE NAME = D160F05-KEA-SHT-DRAINEX01.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
	PLOT SCALE = 40.00' / in.	CHECKED - JRS	REVISED -
SHT_PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 1 OF 35 SHEETS STA. BEGIN TO STA. 27+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 257
DU-01			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

**STORM SEWER AND STRUCTURE REMOVAL**

NONE

SEE SHEET DU-01  
MATCH LINE STA. 27+50.00

MATCH LINE STA. 33+50.00  
SEE SHEET DU-03

EXISTING DITCH

PROPOSED BASELINE

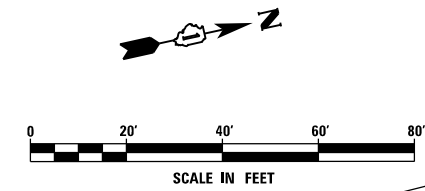
**US 45 (LAGRANGE RD.)**

EXISTING DITCH

EXISTING R.O.W.

**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 500  
CHICAGO, IL 60606  
TEL (312) 939-1000  
FAX (312) 939-4998

FILE NAME =  
D160F05-KEA-SHT-DRAINEX02.dgn  
SHT\_PLAN

USER NAME = Frank.Stallone  
PLOT SCALE = 40.0001' / in.  
PLOT DATE = 3/14/2013

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

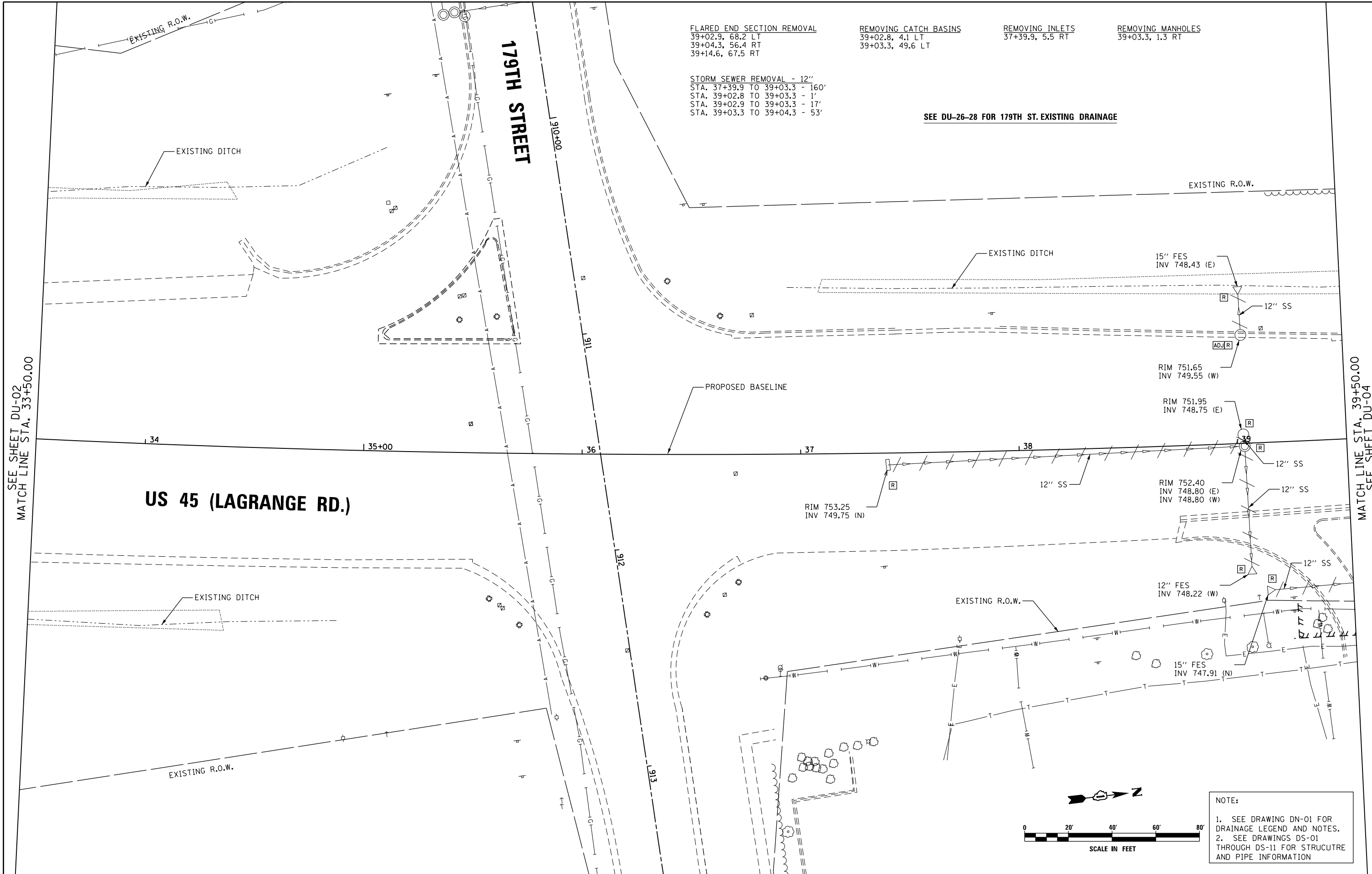
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 2 OF 35 SHEETS STA. 27+50.00 TO STA. 33+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	258
<b>DU-02</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**FLARED END SECTION REMOVAL**  
 39+02.9, 68.2 LT  
 39+04.3, 56.4 RT  
 39+14.6, 67.5 RT

**REMOVING CATCH BASINS**  
 39+02.8, 4.1 LT  
 39+03.3, 49.6 LT

**REMOVING INLETS**  
 37+39.9, 5.5 RT

**REMOVING MANHOLES**  
 39+03.3, 1.3 RT

**STORM SEWER REMOVAL - 12"**  
 STA. 37+39.9 TO 39+03.3 - 160'  
 STA. 39+02.8 TO 39+03.3 - 1'  
 STA. 39+02.9 TO 39+03.3 - 17'  
 STA. 39+03.3 TO 39+04.3 - 53'

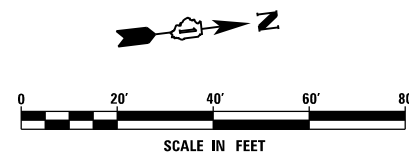
**SEE DU-26-28 FOR 179TH ST. EXISTING DRAINAGE**

SEE SHEET DU-02  
 MATCH LINE STA. 33+50.00

MATCH LINE STA. 39+50.00  
 SEE SHEET DU-04

**US 45 (LAGRANGE RD.)**

**179TH 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

FILE NAME = D160F05-KEA-SHT-DRAINEX03.dgn	USER NAME = Frank_Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**  
 SCALE: 1"=20' SHEET 3 OF 35 SHEETS STA. 33+50.00 TO STA. 39+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 259
<b>DU-03</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

FLARED END SECTION REMOVAL  
 40+67.7, 63.8 LT  
 42+78.1, 59.3 RT  
 43+97.5, 41.8 RT  
 45+21.5, 29.9 RT

CONCRETE HEADWALL REMOVAL  
 45+19.4, 72.3 LT

REMOVING MANHOLES  
 40+69.1, 6.0 LT

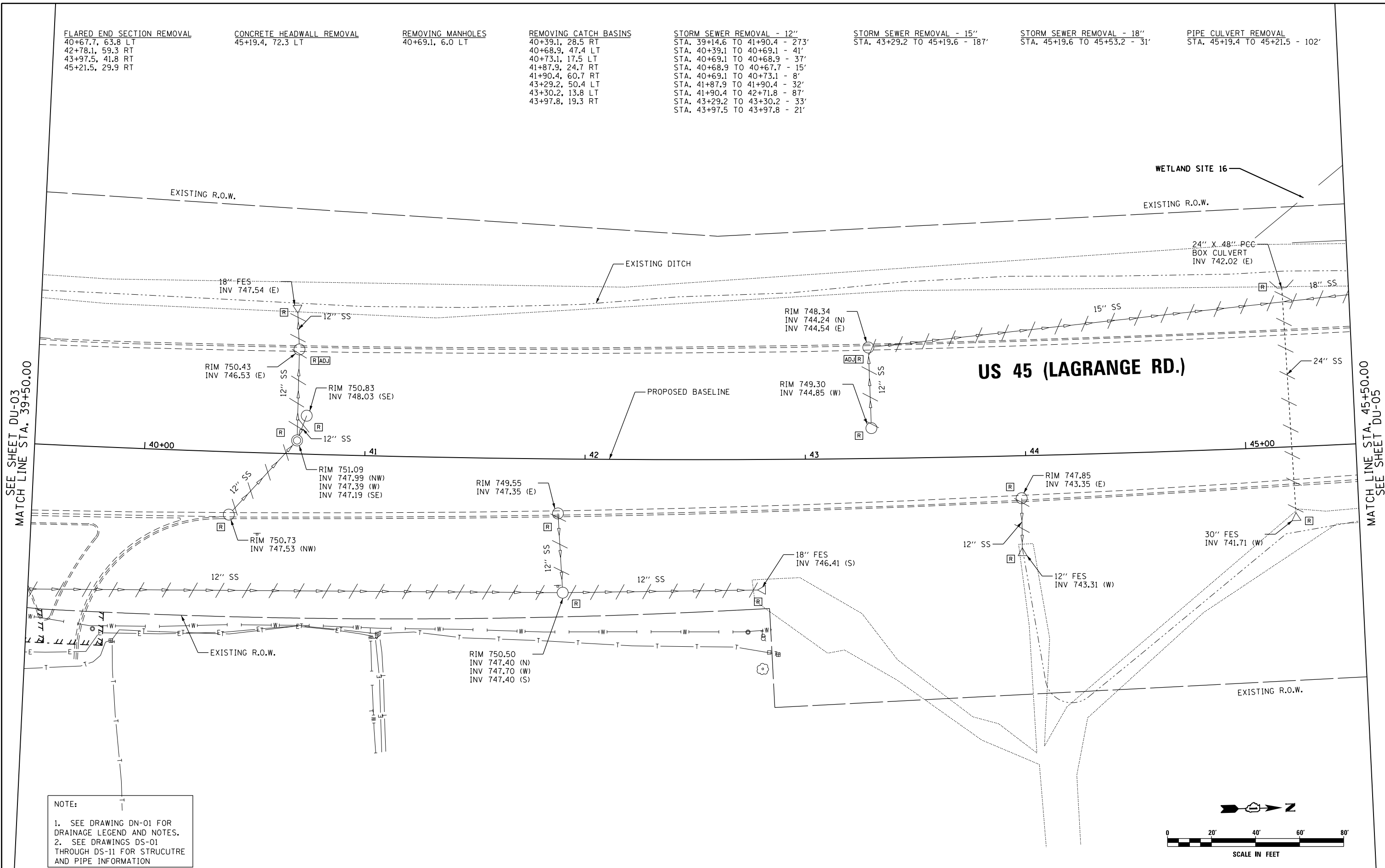
REMOVING CATCH BASINS  
 40+39.1, 28.5 RT  
 40+68.9, 47.4 LT  
 40+73.1, 17.5 LT  
 41+87.9, 24.7 RT  
 41+90.4, 60.7 RT  
 43+29.2, 50.4 LT  
 43+30.2, 13.8 LT  
 43+97.8, 19.3 RT

STORM SEWER REMOVAL - 12"  
 STA. 39+14.6 TO 41+90.4 - 273'  
 STA. 40+39.1 TO 40+69.1 - 41'  
 STA. 40+69.1 TO 40+68.9 - 37'  
 STA. 40+68.9 TO 40+67.7 - 15'  
 STA. 40+69.1 TO 40+73.1 - 8'  
 STA. 41+87.9 TO 41+90.4 - 32'  
 STA. 41+90.4 TO 42+71.8 - 87'  
 STA. 43+29.2 TO 43+30.2 - 33'  
 STA. 43+97.5 TO 43+97.8 - 21'

STORM SEWER REMOVAL - 15"  
 STA. 43+29.2 TO 45+19.6 - 187'

STORM SEWER REMOVAL - 18"  
 STA. 45+19.6 TO 45+53.2 - 31'

PIPE CULVERT REMOVAL  
 STA. 45+19.4 TO 45+21.5 - 102'

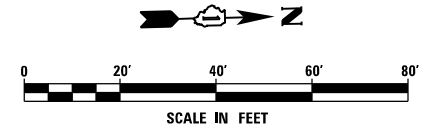


SEE SHEET DU-03  
 MATCH LINE STA. 39+50.00

MATCH LINE STA. 45+50.00  
 SEE SHEET DU-05

**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



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

FILE NAME = D:\160F05-KEA-SHT-DRAINEX04.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 55 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 4 OF 35 SHEETS STA. 39+50.00 TO STA. 45+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 260
DU-04			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

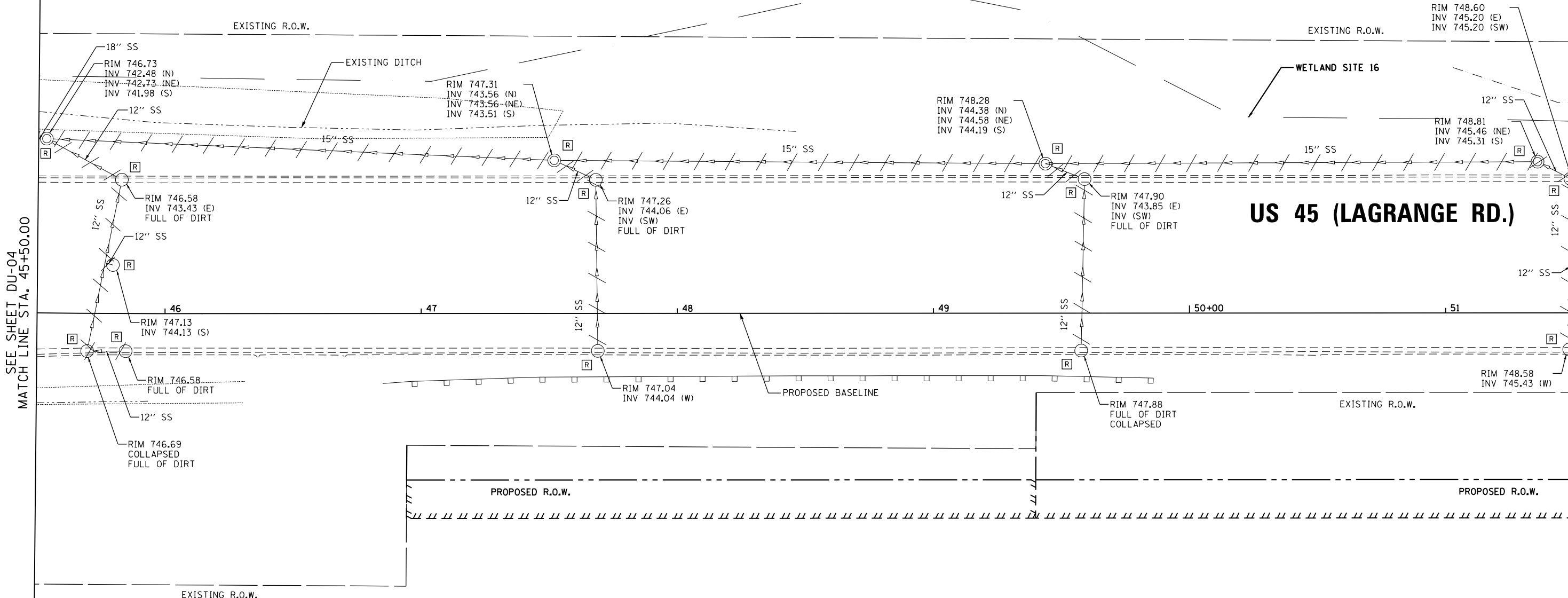


REMOVING CATCH BASINS  
 45+69.7, 14.7 RT  
 45+79.5, 18.9 LT  
 45+82.9, 52.2 LT  
 45+84.6, 14.7 RT  
 47+68.2, 52.1 LT  
 47+69.0, 14.6 RT  
 49+57.7, 14.6 RT  
 49+59.0, 52.3 LT  
 51+48.3, 14.3 RT  
 51+48.8, 52.4 LT

REMOVING MANHOLES  
 45+53.2, 68.0 LT  
 47+52.0, 59.7 LT  
 49+43.8, 58.4 LT  
 51+36.0, 59.0 LT

STORM SEWER REMOVAL - 12"  
 STA. 45+53.2 TO 45+82.9 - 29'  
 STA. 45+69.7 TO 45+82.9 - 64'  
 STA. 45+69.7 TO 45+84.6 - 11'  
 STA. 45+76.4 TO 45+79.5 - 1'  
 STA. 47+52.0 TO 47+68.2 - 13'  
 STA. 47+68.2 TO 47+69.0 - 63'  
 STA. 49+43.8 TO 49+59.0 - 12'  
 STA. 49+57.7 TO 49+59.0 - 63'  
 STA. 51+36.0 TO 51+48.8 - 10'  
 STA. 51+48.3 TO 51+48.8 - 63'

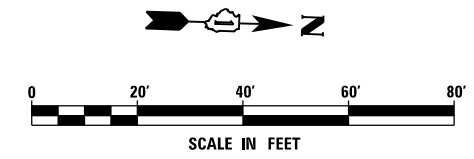
STORM SEWER REMOVAL - 15"  
 STA. 45+53.2 TO 47+52.0 - 193'  
 STA. 47+52.0 TO 49+43.8 - 187'  
 STA. 49+43.8 TO 51+36.0 - 187'



SEE SHEET DU-04  
 MATCH LINE STA. 45+50.00

MATCH LINE STA. 51+50.00  
 SEE SHEET DU-06

**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

**URS**  
 100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4198

FILE NAME = D160F05-KEA-SHT-DRAINEX05.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 55 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 5 OF 35 SHEETS STA. 45+50.00 TO STA. 51+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	261
<b>DU-05</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

**REMOVING CATCH BASINS**  
 51+56.2, 18.9 LT  
 53+63.6, 14.4 RT  
 53+63.8, 52.4 LT  
 54+08.1, 19.0 LT  
 55+78.1, 14.4 RT  
 55+78.3, 52.3 LT

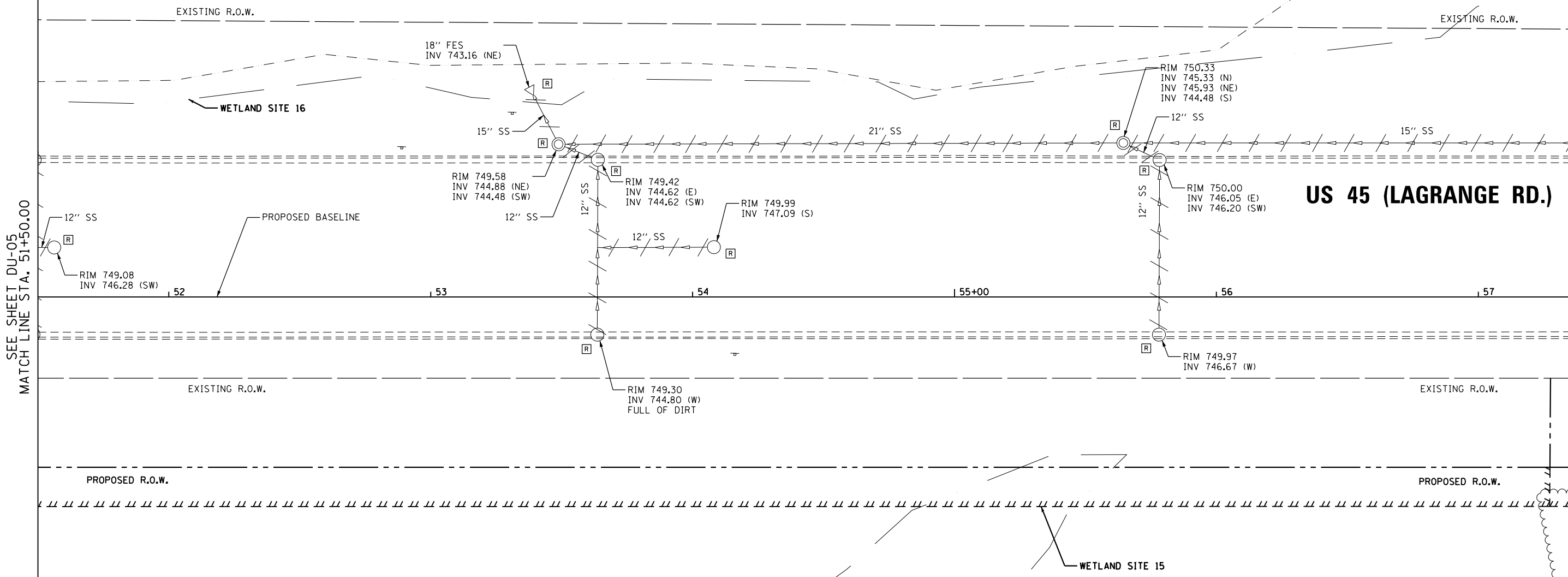
**REMOVING MANHOLES**  
 53+48.8, 58.3 LT  
 55+64.5, 58.8 LT

**FLARED END SECTION REMOVAL**  
 53+39.3, 76.9 LT

**STORM SEWER REMOVAL - 12"**  
 STA. 51+48.5 TO 51+56.2 - 6'  
 STA. 53+48.8 TO 53+63.8 - 12'  
 STA. 53+63.8 TO 53+63.6 - 63'  
 STA. 53+63.7 TO 54+08.1 - 42'  
 STA. 55+64.5 TO 55+78.3 - 11'  
 STA. 55+78.3 TO 55+78.1 - 63'

**STORM SEWER REMOVAL - 15"**  
 STA. 53+39.3 TO 53+48.8 - 19'  
 STA. 55+64.3 TO 58+94.9 - 325'

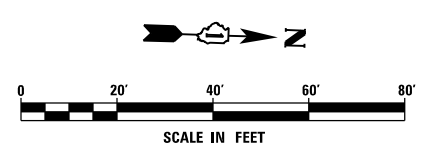
**STORM SEWER REMOVAL - 21"**  
 STA. 53+48.8 TO 55+64.5 - 211'



SEE SHEET DU-05  
 MATCH LINE STA. 51+50.00

MATCH LINE STA. 57+50.00  
 SEE SHEET DU-07

**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**  
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FILE NAME = D160F05-KEA-SHT-DRAINEX06.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)</b>			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 262
SHT.PLAN	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -		SCALE: 1"=20'	SHEET 6 OF 35 SHEETS	STA. 51+50.00 TO STA. 57+50.00	<b>DU-06</b>		CONTRACT NO. 60F05		
	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -		ILLINOIS FED. AID PROJECT							

REMOVING CATCH BASINS  
 59+02.3, 14.4 RT  
 59+03.9, 52.3 LT  
 59+11.1, 19.0 LT  
 61+94.0, 52.7 LT

REMOVING MANHOLES  
 58+94.9, 58.8 LT  
 62+38.3, 58.3 LT  
 62+67.2, 77.9 LT  
 63+10.6, 60.4 LT

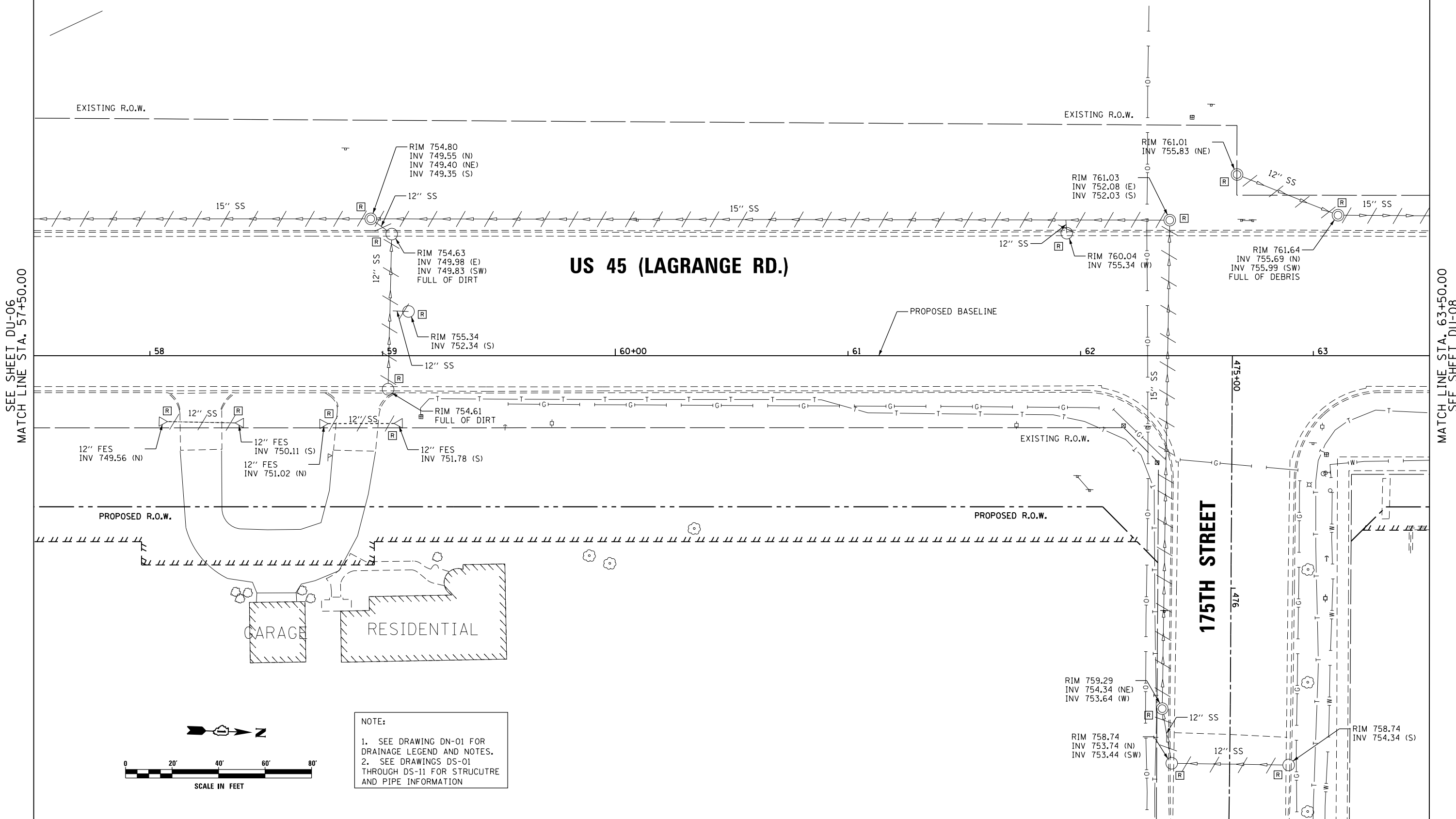
FLARED END SECTION REMOVAL  
 58+07.5, 28.4 RT  
 58+36.6, 28.9 RT  
 58+76.6, 29.3 RT  
 59+04.9, 29.1 RT

STORM SEWER REMOVAL - 12"  
 STA. 58+94.9 TO 59+03.9 - 7'  
 STA. 59+03.9 TO 59+02.3 - 63'  
 STA. 59+03.1 TO 59+11.1 - 6'  
 STA. 61+93.6 TO 61+94.0 - 4'  
 STA. 62+67.2 TO 63+10.6 - 42'

STORM SEWER REMOVAL - 15"  
 STA. 58+94.9 TO 62+38.3 - 338'  
 STA. 62+38.3 TO 62+35.1 - 206'

PIPE CULVERT REMOVAL  
 STA. 58+07.5 TO 58+36.6 - 29'  
 STA. 58+76.6 TO 59+04.9 - 28'

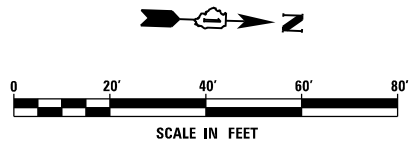
SEE DU-29 FOR 175TH ST. EXISTING DRAINAGE



SEE SHEET DU-06  
 MATCH LINE STA. 57+50.00

MATCH LINE STA. 63+50.00  
 SEE SHEET DU-08

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



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FILE NAME = D160F05-KEA-SHT-DRAINEX07.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 7 OF 35 SHEETS STA. 57+50.00 TO STA. 63+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 263
DU-07			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 65+67.8, 14.3 RT  
 65+68.1, 52.6 LT  
 67+76.2, 19.0 LT

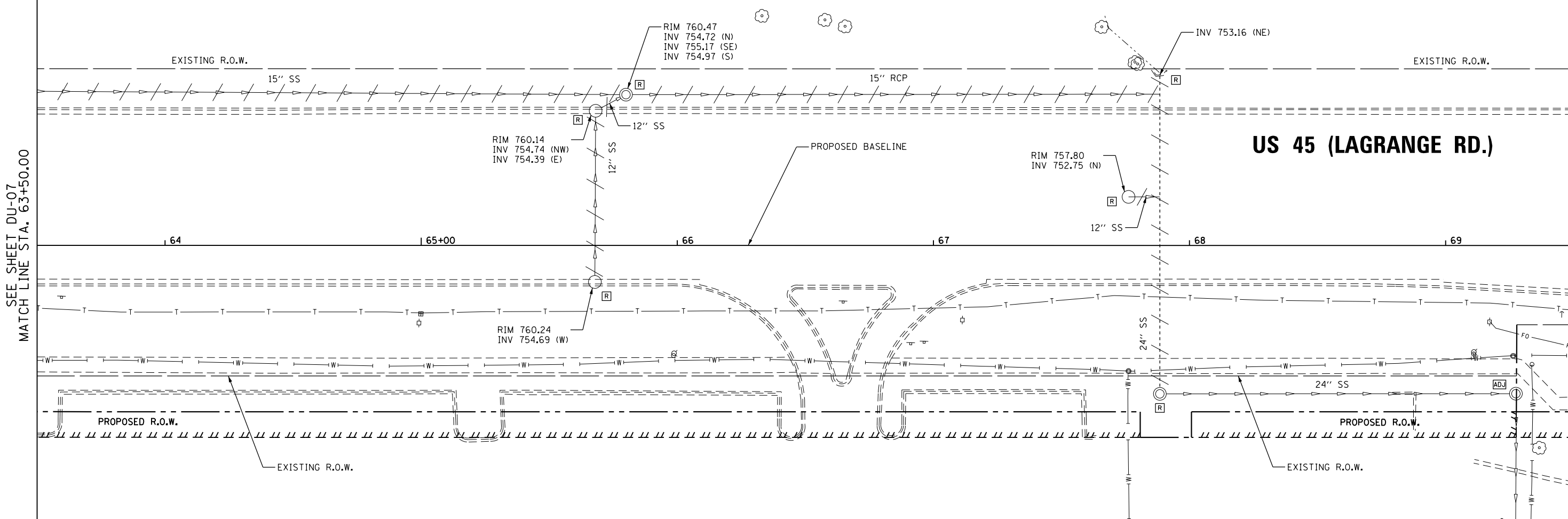
REMOVING MANHOLES  
 65+80.0, 58.9 LT  
 67+88.0, 58.0 RT

CONCRETE HEADWALL REMOVAL  
 67+88.4, 66.7 LT

STORM SEWER REMOVAL - 12"  
 STA. 65+80.0 TO 65+68.1 - 9'  
 STA. 65+68.1 TO 65+67.8 - 63'  
 STA. 67+76.2 TO 67+88.4 - 10'

STORM SEWER REMOVAL - 15"  
 STA. 63+10.6 TO 65+80.0 - 264'  
 STA. 65+80.0 TO 67+88.4 - 206'

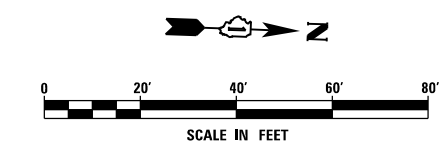
PIPE CULVERT REMOVAL  
 STA. 67+88.4 TO 67+88.4 - 126'



SEE SHEET DU-07  
 MATCH LINE STA. 63+50.00

MATCH LINE STA. 69+50.00  
 SEE SHEET DU-09

**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

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 FAX (312) 939-4198

FILE NAME = D160F05-KEA-SHT-DRAINEX08.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
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**EXISTING DRAINAGE PLAN - US 55 (LAGRANGE ROAD)**  
 SCALE: 1"=20' SHEET 8 OF 35 SHEETS STA. 63+50.00 TO STA. 69+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	264
<b>DU-08</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 69+62.9, 18.9 LT  
 69+69.4, 13.1 RT  
 69+69.8, 52.3 LT  
 72+66.0, 18.8 LT  
 72+72.6, 12.9 RT  
 72+72.9, 52.2 LT

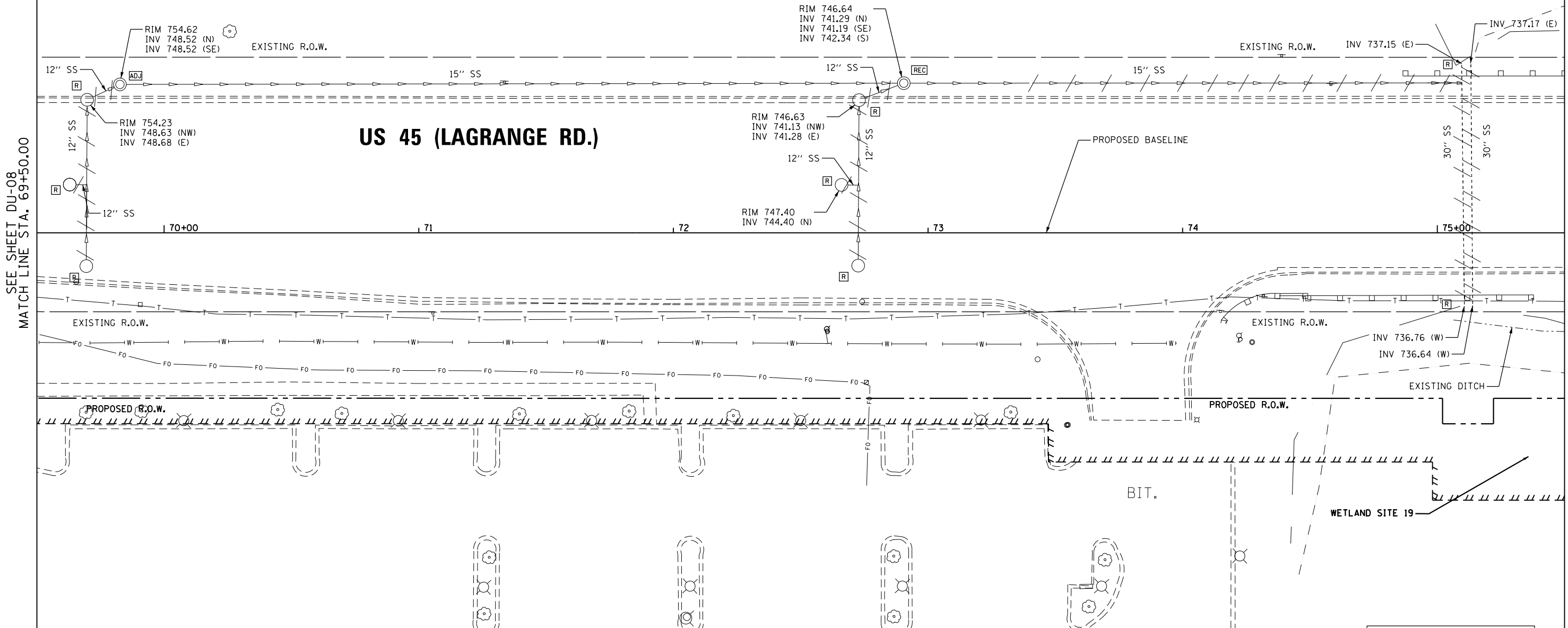
CONCRETE HEADWALL REMOVAL  
 75+11.4, 66.5 LT  
 75+12.3, 29.2 RT

STORM SEWER REMOVAL - 12"  
 STA. 69+69.4 TO 69+69.8 - 61'  
 STA. 69+69.8 TO 69+82.6 - 10'  
 STA. 69+62.9 TO 69+69.6 - 5'  
 STA. 72+72.6 TO 72+72.9 - 60'  
 STA. 72+72.9 TO 72+90.5 - 16'  
 STA. 72+66.0 TO 72+72.7 - 5'

STORM SEWER REMOVAL - 15"  
 STA. 74+06.0 TO 75+09.7 - 104'

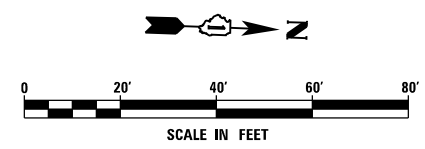
PIPE CULVERT REMOVAL  
 STA. 75+09.6 TO 75+10.7 - 96'  
 STA. 75+13.2 TO 75+13.9 - 95'

WETLAND SITE 12



SEE SHEET DU-08  
 MATCH LINE STA. 69+50.00

MATCH LINE STA. 75+50.00  
 SEE SHEET DU-10



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

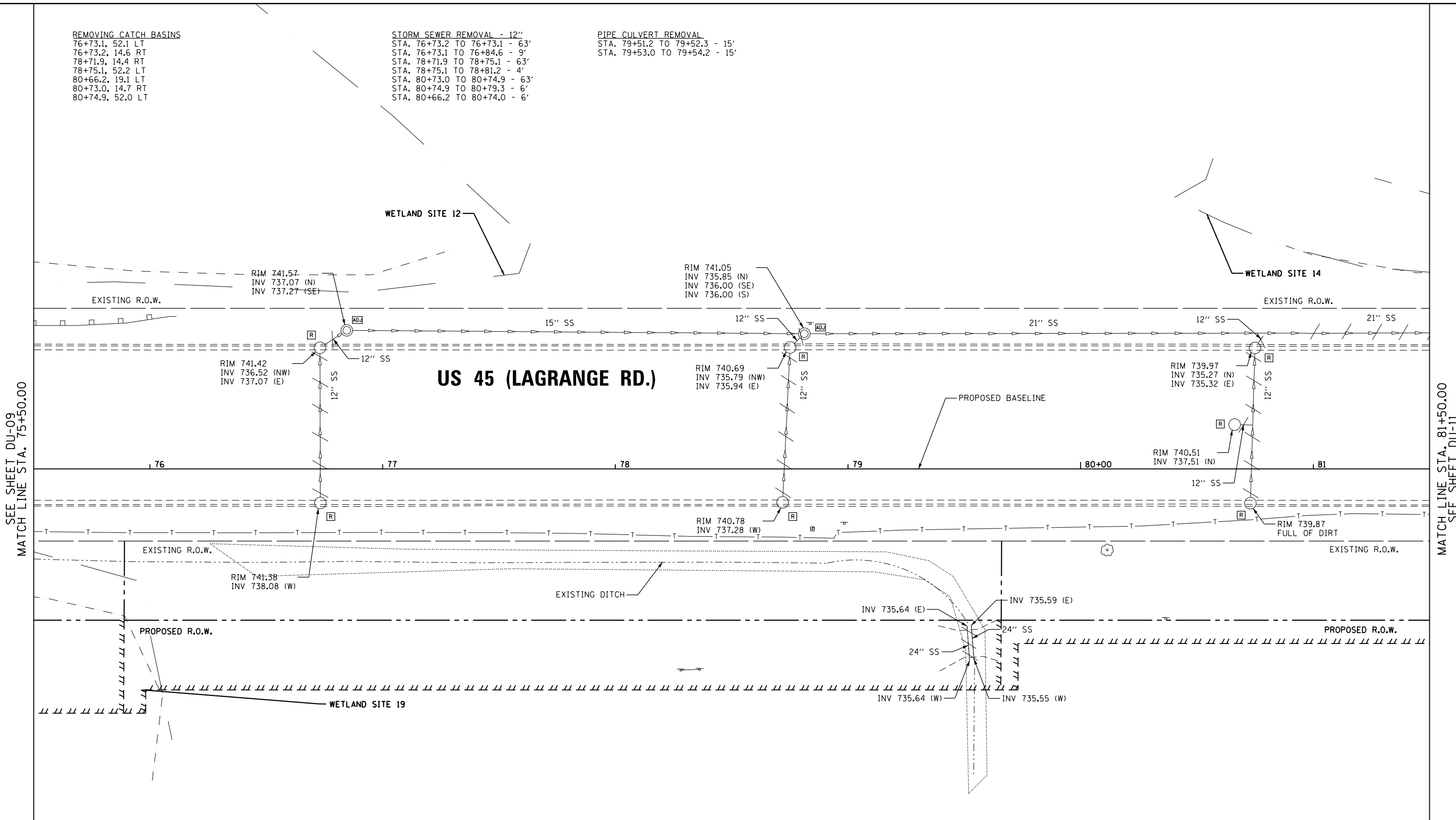
URS  
 100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998

FILE NAME = D:\160F05-KEA-SHT-DRAINEX09.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)</b>			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 265
SHT.PLAN	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -		SCALE: 1"=20'	SHEET 9 OF 35 SHEETS	STA. 69+50.00 TO STA. 75+50.00	<b>DU-09</b>		CONTRACT NO. 60F05		
	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -		ILLINOIS FED. AID PROJECT							

REMOVING CATCH BASINS  
 76+73.1, 52.1 LT  
 76+73.2, 14.6 RT  
 78+71.9, 14.4 RT  
 78+75.1, 52.2 LT  
 80+66.2, 19.1 LT  
 80+73.0, 14.7 RT  
 80+74.9, 52.0 LT

STORM SEWER REMOVAL - 12"  
 STA. 76+73.2 TO 76+73.1 - 63'  
 STA. 76+73.1 TO 76+84.6 - 9'  
 STA. 78+71.9 TO 78+75.1 - 63'  
 STA. 78+75.1 TO 78+81.2 - 4'  
 STA. 80+73.0 TO 80+74.9 - 63'  
 STA. 80+74.9 TO 80+79.3 - 6'  
 STA. 80+66.2 TO 80+74.0 - 6'

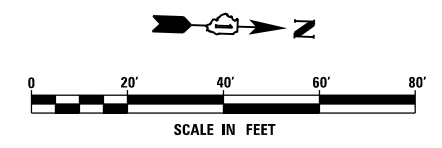
PIPE CULVERT REMOVAL  
 STA. 79+51.2 TO 79+52.3 - 15'  
 STA. 79+53.0 TO 79+54.2 - 15'



SEE SHEET DU-09  
 MATCH LINE STA. 75+50.00

MATCH LINE STA. 81+50.00  
 SEE SHEET DU-11

**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

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

FILE NAME = D160F05-KEA-SHT-DRAINEX10.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 55 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 10 OF 35 SHEETS STA. 75+50.00 TO STA. 81+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 266
<b>DU-10</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 82+73.2, 14.6 RT  
 82+75.3, 52.1 LT  
 82+82.8, 21.4 RT  
 84+65.7, 19.0 LT  
 84+74.6, 52.1, LT  
 84+75.3, 26.6 RT  
 85+97.5, 51.1 RT  
 86+32.5, 52.1 RT  
 86+71.6, 30.0 RT  
 86+72.0, 14.6 RT  
 86+74.0, 52.0 LT

FLARED END SECTION REMOVAL  
 84+47.0, 48.6 RT  
 84+62.1, 72.0 RT

CONCRETE HEADWALL REMOVAL  
 81+87.2, 28.4 RT  
 81+89.1, 67.5 LT

REMOVING MANHOLES  
 85+78.9, 21.2 RT

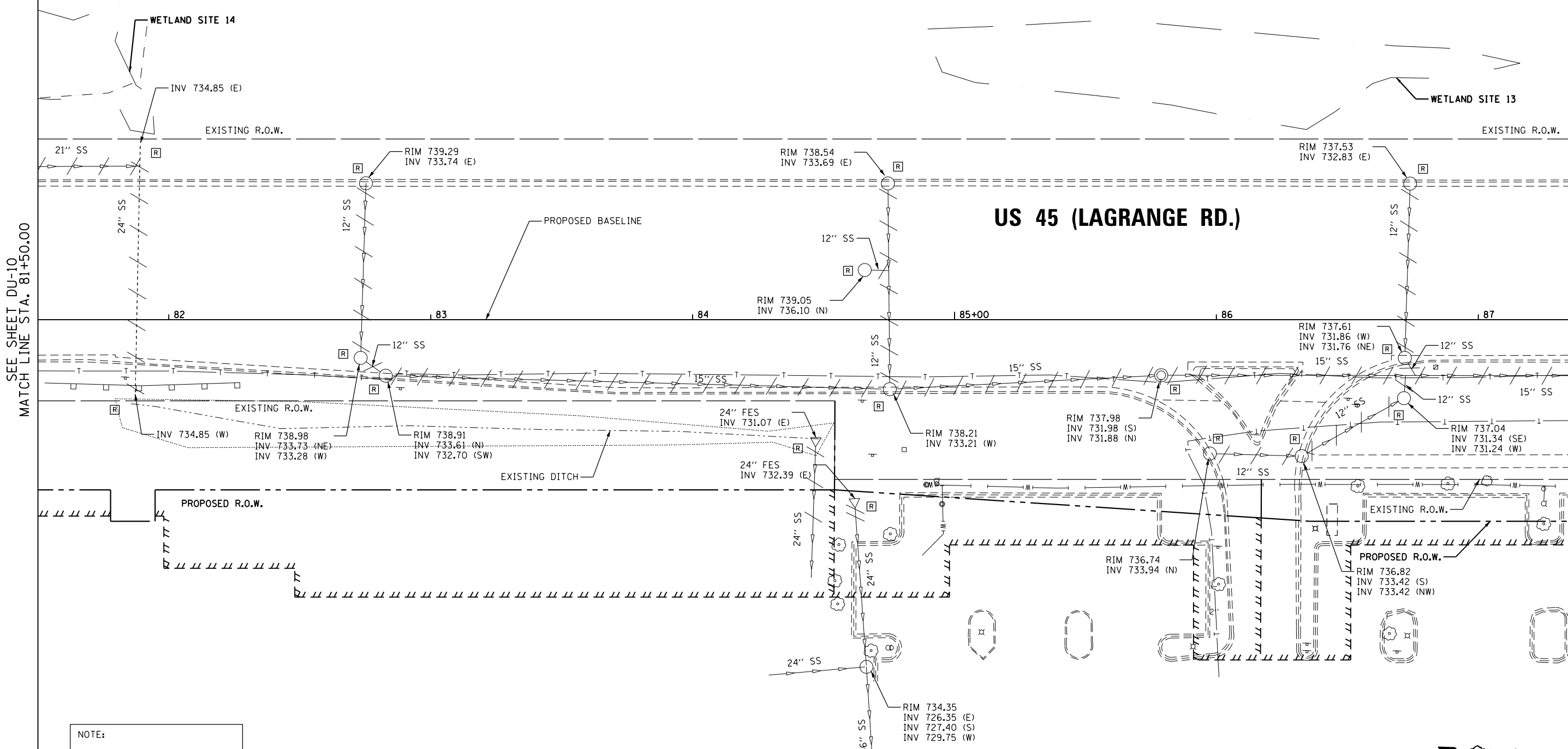
STORM SEWER REMOVAL - 12"  
 STA. 82+75.3 TO 82+73.2 - 63'  
 STA. 82+73.2 TO 82+82.8 - 8'  
 STA. 84+75.3 TO 84+74.6 - 75'  
 STA. 84+65.7 TO 84+74.9 - 7'  
 STA. 85+97.5 TO 86+32.5 - 31'  
 STA. 86+32.5 TO 86+71.6 - 41'  
 STA. 86+71.6 TO 86+72.2 - 7'  
 STA. 86+74.0 TO 86+72.0 - 63'  
 STA. 86+72.0 TO 86+76.0 - 6'

STORM SEWER REMOVAL - 15"  
 STA. 82+82.8 TO 84+75.3 - 189'  
 STA. 84+75.3 TO 85+78.9 - 99'  
 STA. 85+78.9 TO 88+82.6 - 299'

STORM SEWER REMOVAL - 24"  
 STA. 84+47.0 TO 84+46.1 - 28'  
 STA. 84+62.1 TO 84+62.3 - 3'

STORM SEWER REMOVAL - 21"  
 STA. 81+34.1 TO 81+88.9 - 55'

PIPE CULVERT REMOVAL  
 STA. 81+87.2 TO 81+89.1 - 96'

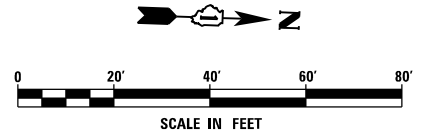


SEE SHEET DU-10  
 MATCH LINE STA. 81+50.00

MATCH LINE STA. 87+50.00  
 SEE SHEET DU-12

**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



100 S. WACKER DR.  
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 FAX (312) 939-4998



FILE NAME = D:\60F05-KEA-SHT-DRAINEX11.dgn  
 SHT.PLAN

USER NAME = Frank.Stallone  
 PLOT SCALE = 40.0001' / in.  
 PLOT DATE = 3/14/2013

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

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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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	267
<b>DU-11</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 88+32.7, 18.4 LT  
 88+71.4, 52.4 LT  
 90+22.6, 15.1 RT  
 91+63.0, 52.5 LT  
 91+64.3, 15.2 RT

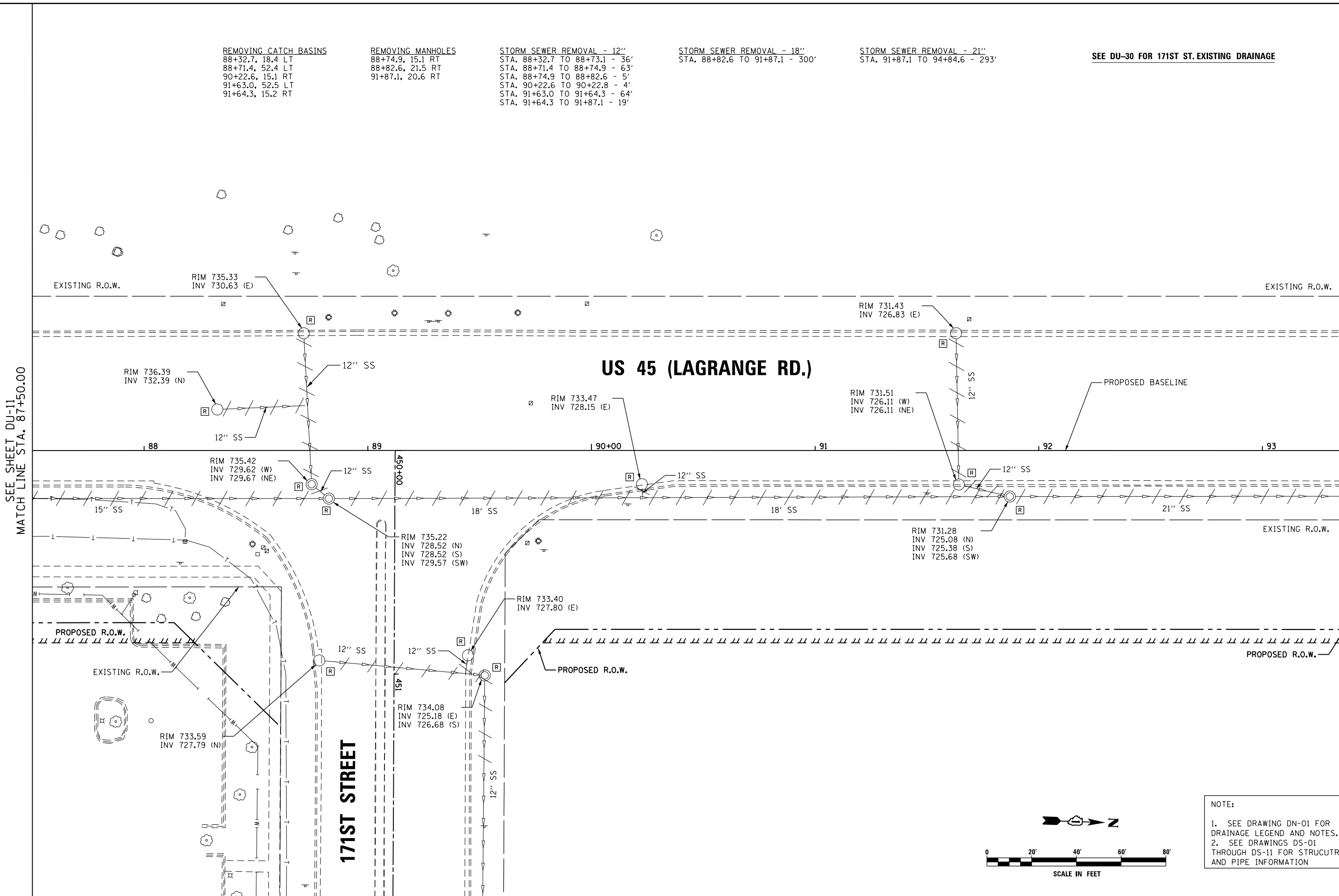
REMOVING MANHOLES  
 88+74.9, 15.1 RT  
 88+82.6, 21.5 RT  
 91+87.1, 20.6 RT

STORM SEWER REMOVAL - 12"  
 STA. 88+32.7 TO 88+73.1 - 36'  
 STA. 88+71.4 TO 88+74.9 - 63'  
 STA. 88+74.9 TO 88+82.6 - 5'  
 STA. 90+22.6 TO 90+22.8 - 4'  
 STA. 91+63.0 TO 91+64.3 - 64'  
 STA. 91+64.3 TO 91+87.1 - 19'

STORM SEWER REMOVAL - 18"  
 STA. 88+82.6 TO 91+87.1 - 300'

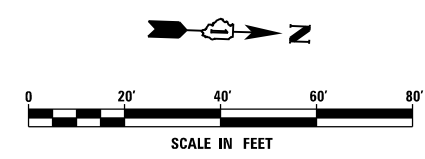
STORM SEWER REMOVAL - 21"  
 STA. 91+87.1 TO 94+84.6 - 293'

SEE DU-30 FOR 171ST ST. EXISTING DRAINAGE



SEE SHEET DU-11  
 MATCH LINE STA. 87+50.00

MATCH LINE STA. 93+50.00  
 SEE SHEET DU-13



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

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FILE NAME = D160F05-KEA-SHT-DRAINEX12.dgn  
 SHT.PLAN

USER NAME = Frank.Stallone  
 DESIGNED - MGS  
 DRAWN - REW  
 CHECKED - JRS  
 DATE - 03/13/13

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 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
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EXISTING 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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	268
<b>DU-12</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



REMOVING CATCH BASINS  
 94+54.2, 52.3 LT  
 94+54.5, 14.4 RT  
 98+26.0, 19.1 LT  
 98+33.1, 52.1 LT  
 98+34.1, 14.2 RT

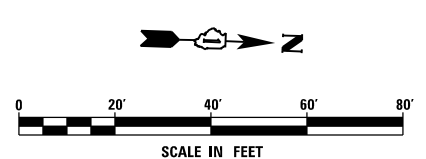
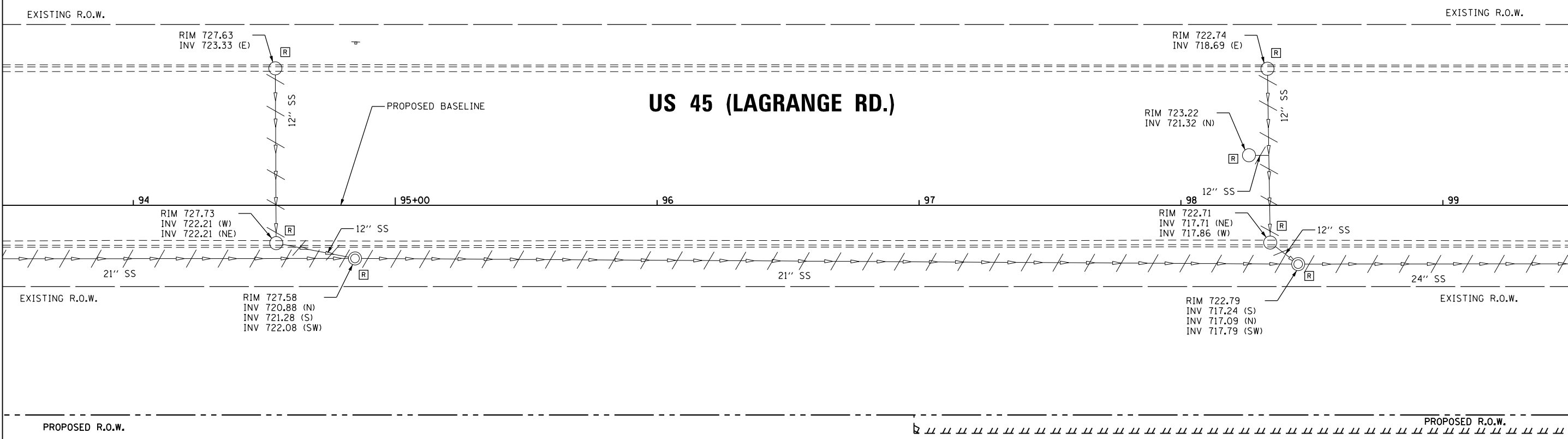
REMOVING MANHOLES  
 94+84.6, 20.3 RT  
 98+44.8, 22.4 RT

STORM SEWER REMOVAL - 12"  
 STA. 94+54.2 TO 94+54.5 - 63'  
 STA. 94+54.5 TO 94+84.6 - 26'  
 STA. 98+33.1 TO 98+34.1 - 62'  
 STA. 98+34.1 TO 98+44.8 - 9'  
 STA. 98+26.0 TO 98+33.6 - 6'

STORM SEWER REMOVAL - 21"  
 STA. 94+84.6 TO 98+44.8 - 355'

SEE SHEET DU-12  
 MATCH LINE STA. 93+50.00

MATCH LINE STA. 99+50.00  
 SEE SHEET DU-14



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

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 CHICAGO, IL 60606  
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 FAX (312) 939-4198

**URS**

FILE NAME = DI160F05-KEA-SHT-DRAINEX13.dgn	USER NAME = Frank_Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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. 269
<b>DU-13</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 101+26.9, 19.2 LT  
 101+31.5, 52.4 LT  
 101+34.0, 14.1 RT  
 103+53.1, 14.2 RT  
 103+53.4, 52.4 LT  
 104+94.9, 52.3 LT  
 104+97.1, 14.1 RT  
 105+04.9, 52.4 LT  
 105+06.5, 19.2 LT  
 105+07.1, 14.3 RT

REMOVING MANHOLES  
 101+41.6, 22.1 RT

CONCRETE HEADWALL REMOVAL  
 105+16.4, 27.1 RT  
 105+17.6, 65.5 LT

STORM SEWER REMOVAL - 12"  
 STA. 101+26.9 TO 101+32.8 - 4'  
 STA. 101+31.5 TO 101+34.0 - 64'  
 STA. 101+34.0 TO 101+34.8 - 6'  
 STA. 103+53.4 TO 103+53.1 - 63'  
 STA. 103+53.1 TO 103+53.3 - 6'  
 STA. 104+94.9 TO 104+97.1 - 62'  
 STA. 104+94.9 TO 105+04.9 - 6'  
 STA. 104+96.0 TO 105+06.5 - 8'  
 STA. 104+97.1 TO 105+07.1 - 6'  
 STA. 104+97.1 TO 104+97.2 - 6'

STORM SEWER REMOVAL - 24"  
 STA. 98+44.8 TO 101+41.6 - 292'

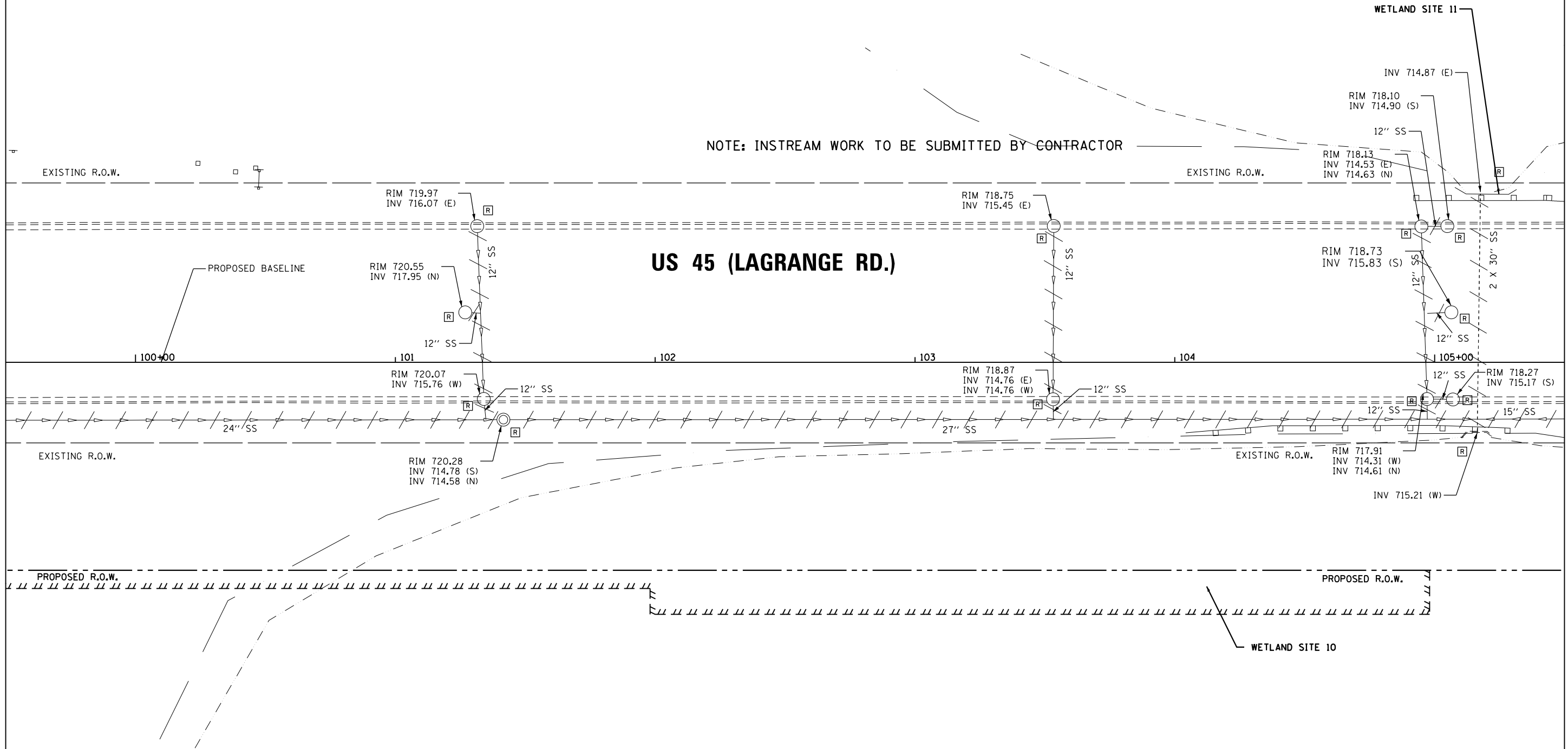
STORM SEWER REMOVAL - 27"  
 STA. 101+41.6 TO 105+16.5 - 372'

PIPE CULVERT REMOVAL  
 STA. 105+16.4 TO 105+17.6 - 93'  
 STA. 105+16.4 TO 105+17.6 - 93'

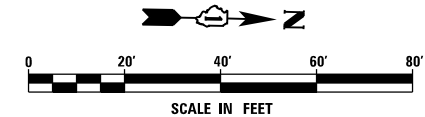
NOTE: INSTREAM WORK TO BE SUBMITTED BY CONTRACTOR

SEE SHEET DU-13  
 MATCH LINE STA. 99+50.00

MATCH LINE STA. 105+50.00  
 SEE SHEET DU-15



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



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FILE NAME = D160F05-KEA-SHT-DRAINEX14.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING 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. 270
DU-14			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 107+41.3, 14.4 RT  
 107+44.4, 52.6 LT  
 107+64.1, 19.4 LT  
 109+30.7, 14.0 RT  
 109+34.1, 52.4 LT

REMOVING MANHOLES  
 109+22.3, 20.7 RT

STORM SEWER REMOVAL - 12"  
 STA. 107+36.0 TO 107+41.3 - 7'  
 STA. 107+41.3 TO 107+44.4 - 63'  
 STA. 107+42.8 TO 107+64.1 - 19'  
 STA. 109+22.3 TO 109+30.7 - 6'  
 STA. 109+30.7 TO 109+34.1 - 62'

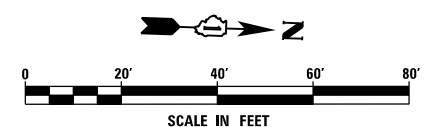
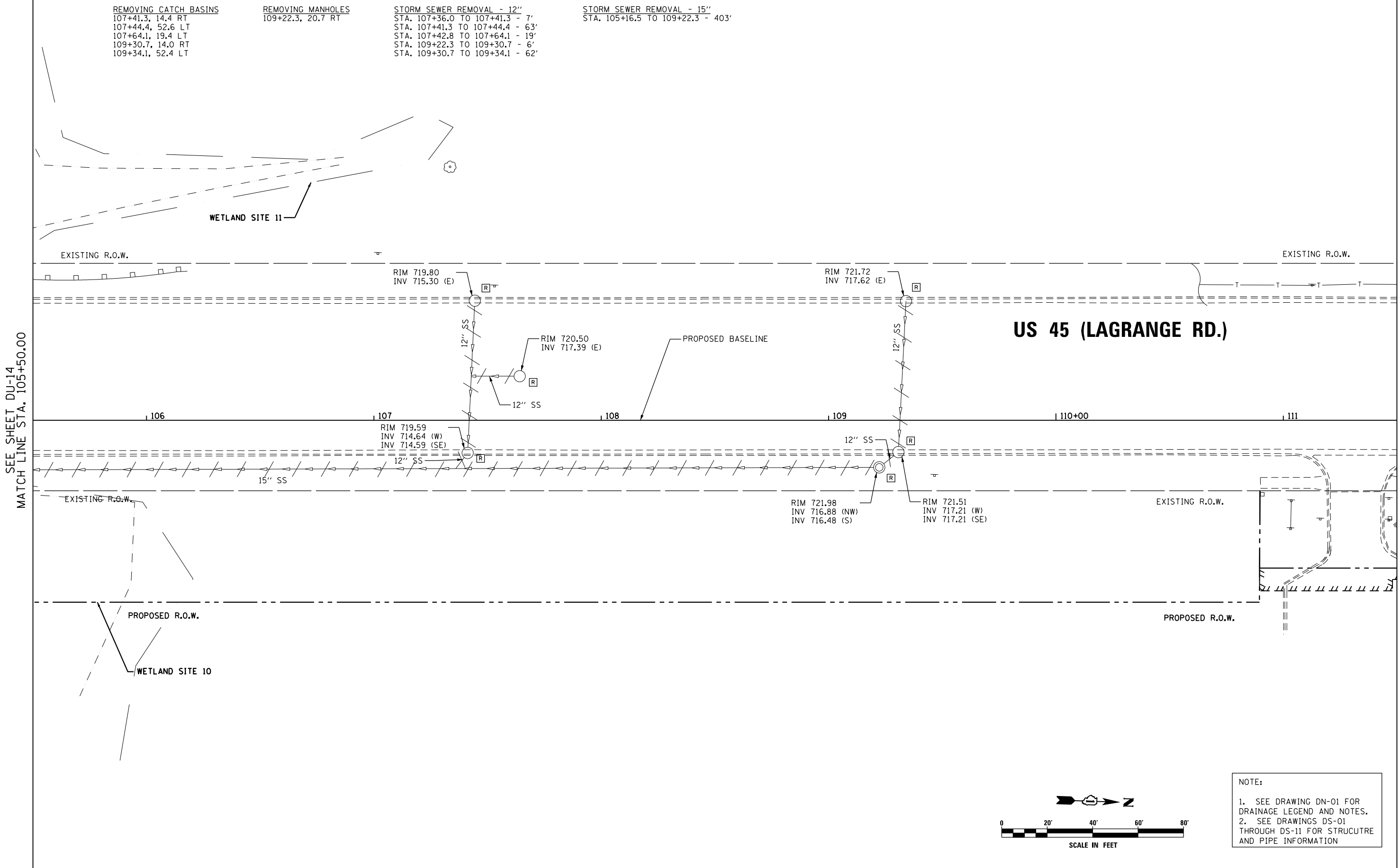
STORM SEWER REMOVAL - 15"  
 STA. 105+16.5 TO 109+22.3 - 403'

WETLAND SITE 11

US 45 (LAGRANGE RD.)

SEE SHEET DU-14  
 MATCH LINE STA. 105+50.00

MATCH LINE STA. 111+50.00  
 SEE SHEET DU-16



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

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FILE NAME = D160F05-KEA-SHT-DRAINEX15.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING 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. 271
DU-15			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING MANHOLES  
113+82.7, 21.9 RT  
115+95.9, 24.9 RT

REMOVING CATCH BASINS  
113+61.0, 13.8 RT  
113+62.5, 52.7 LT

STORM SEWER REMOVAL - 12"  
STA. 113+62.5 TO 113+61.0 - 63'  
STA. 113+61.0 TO 113+82.7 - 19'

STORM SEWER REMOVAL - 15"  
STA. 113+82.7 TO 115+95.9 - 208'

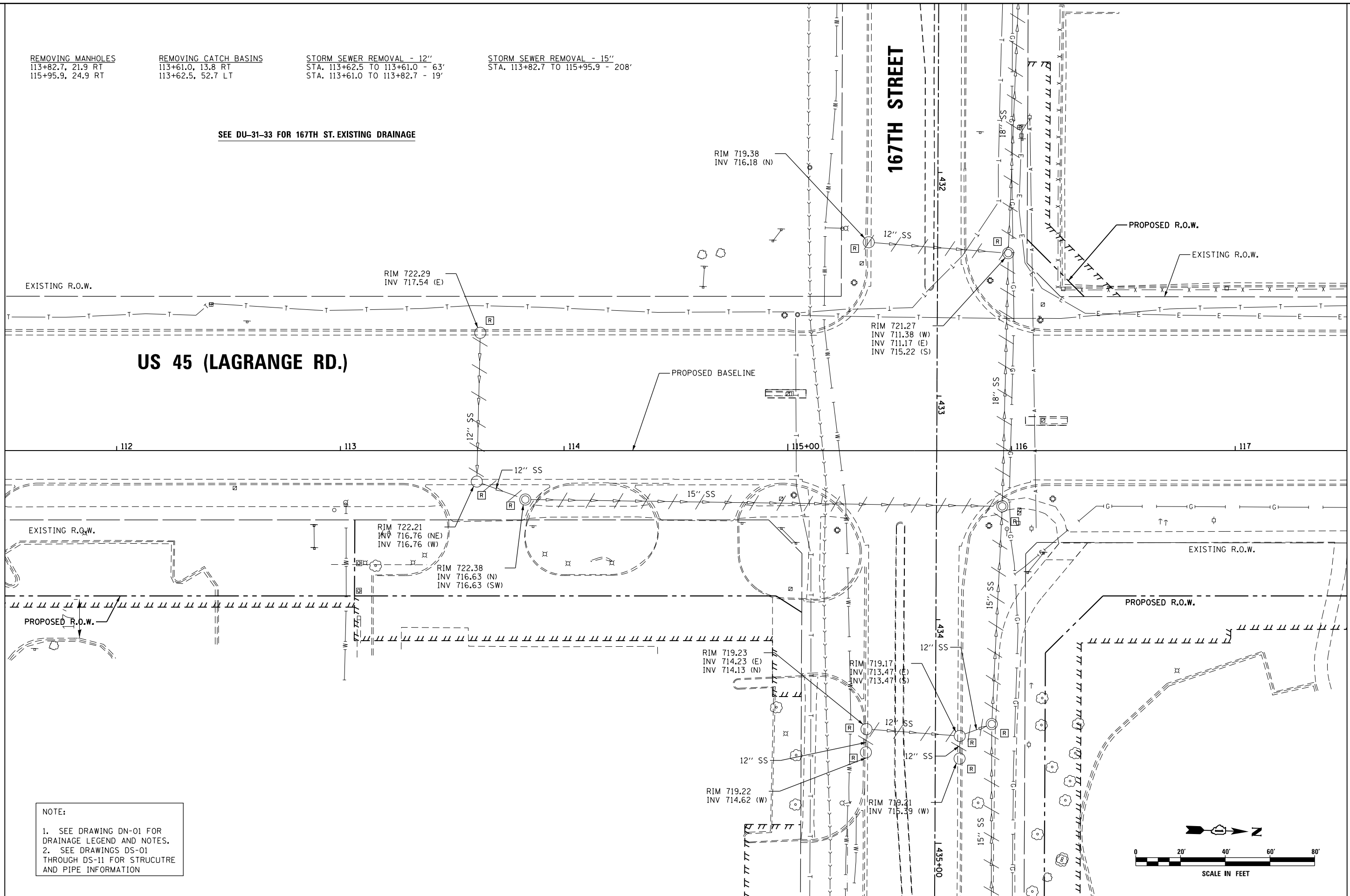
SEE DU-31-33 FOR 167TH ST. EXISTING DRAINAGE

167TH STREET

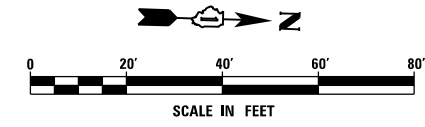
US 45 (LAGRANGE RD.)

SEE SHEET DU-15  
MATCH LINE STA. 111+50.00

MATCH LINE STA. 117+50.00  
SEE SHEET DU-17



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



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FILE NAME = D160F05-KEA-SHT-DRAINEX16.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING 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. 272
DU-16			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

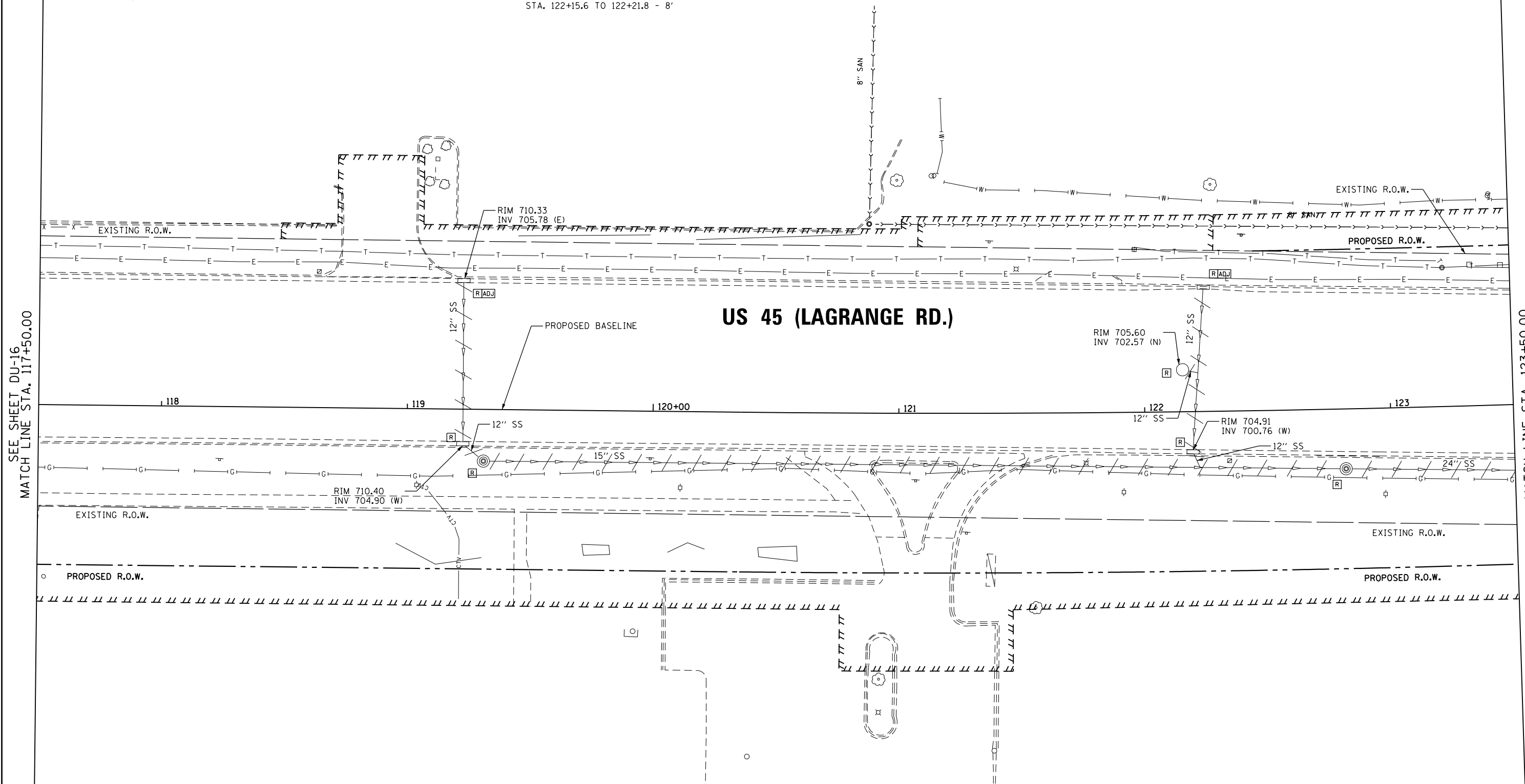
REMOVING INLETS  
 119+22.4, 52.4 LT  
 119+22.8, 14.1 RT  
 122+19.4, 16.4 RT  
 122+24.5, 50.5 LT

REMOVING MANHOLES  
 119+31.2, 21.0 RT  
 122+81.4, 24.3 RT

REMOVING CATCH BASINS  
 122+15.6, 17.1 LT

STORM SEWER REMOVAL - 12"  
 STA. 119+22.4 TO 119+22.8 - 64'  
 STA. 119+22.8 TO 119+31.2 - 7'  
 STA. 122+24.5 TO 122+19.4 - 67'  
 STA. 122+19.4 TO 122+22.2 - 6'  
 STA. 122+15.6 TO 122+21.8 - 8'

STORM SEWER REMOVAL - 15"  
 STA. 119+31.2 TO 122+81.4 - 346'



SEE SHEET DU-16  
 MATCH LINE STA. 117+50.00

MATCH LINE STA. 123+50.00  
 SEE SHEET DU-18

**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

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FILE NAME = D160F05-KEA-SHT-DRAINEX17.dgn	USER NAME = Frank_Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

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

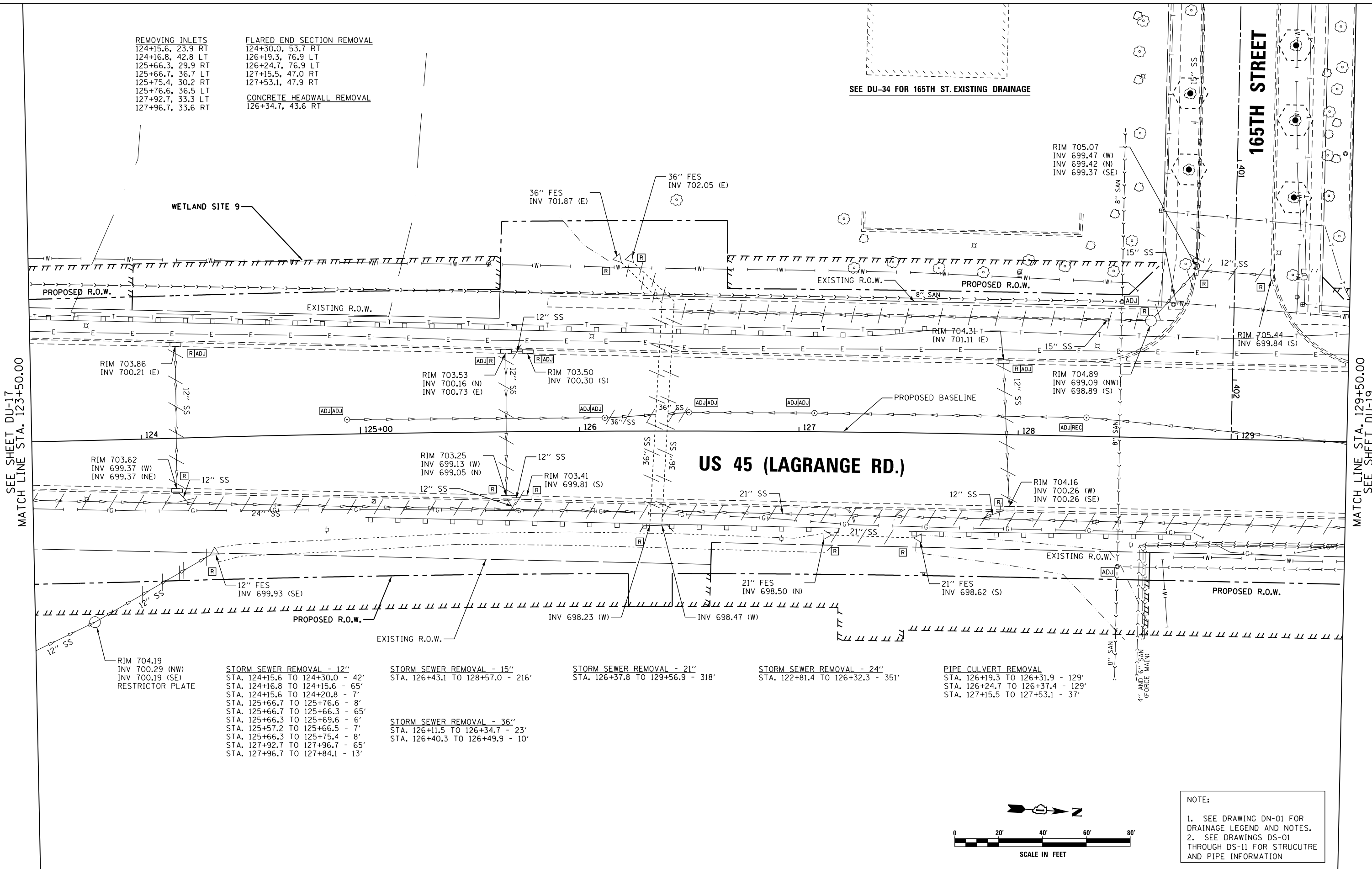
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 273
<b>DU-17</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING INLETS  
 124+15.6, 23.9 RT  
 124+16.8, 42.8 LT  
 125+66.3, 29.9 RT  
 125+66.7, 36.7 LT  
 125+75.4, 30.2 RT  
 125+76.6, 36.5 LT  
 127+92.7, 33.3 LT  
 127+96.7, 33.6 RT

FLARED END SECTION REMOVAL  
 124+30.0, 53.7 RT  
 126+19.3, 76.9 LT  
 126+24.7, 76.9 LT  
 127+15.5, 47.0 RT  
 127+53.1, 47.9 RT

CONCRETE HEADWALL REMOVAL  
 126+34.7, 43.6 RT

SEE DU-34 FOR 165TH ST. EXISTING DRAINAGE



SEE SHEET DU-17  
 MATCH LINE STA. 123+50.00

MATCH LINE STA. 129+50.00  
 SEE SHEET DU-19

STORM SEWER REMOVAL - 12"  
 STA. 124+15.6 TO 124+30.0 - 42'  
 STA. 124+16.8 TO 124+15.6 - 65'  
 STA. 124+15.6 TO 124+20.8 - 7'  
 STA. 125+66.7 TO 125+76.6 - 8'  
 STA. 125+66.7 TO 125+66.3 - 65'  
 STA. 125+66.3 TO 125+69.6 - 6'  
 STA. 125+72.2 TO 125+66.5 - 7'  
 STA. 125+66.3 TO 125+75.4 - 8'  
 STA. 127+92.7 TO 127+96.7 - 65'  
 STA. 127+96.7 TO 127+84.1 - 13'

STORM SEWER REMOVAL - 15"  
 STA. 126+43.1 TO 128+57.0 - 216'

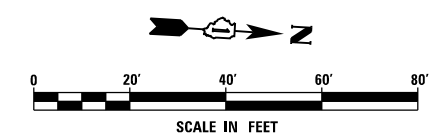
STORM SEWER REMOVAL - 21"  
 STA. 126+37.8 TO 129+56.9 - 318'

STORM SEWER REMOVAL - 24"  
 STA. 122+81.4 TO 126+32.3 - 351'

PIPE CULVERT REMOVAL  
 STA. 126+19.3 TO 126+31.9 - 129'  
 STA. 126+24.7 TO 126+37.4 - 129'  
 STA. 127+15.5 TO 127+53.1 - 37'

RIM 704.19  
 INV 700.29 (NW)  
 INV 700.19 (SE)  
 RESTRICTOR PLATE

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



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FILE NAME = D160F05-KEA-SHT-DRAINEX18.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)</b>			F.A.P. RFE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 274
PLOT SCALE = 40.0001' / in.	CHECKED - JRS	DATE - 03/13/13	REVISED -		SCALE: 1"=20'	SHEET 18 OF 35 SHEETS	STA. 123+50.00 TO STA. 129+50.00	<b>DU-18</b> CONTRACT NO. 60F05				
PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -			ILLINOIS FED. AID PROJECT							
SHT. PLAN												

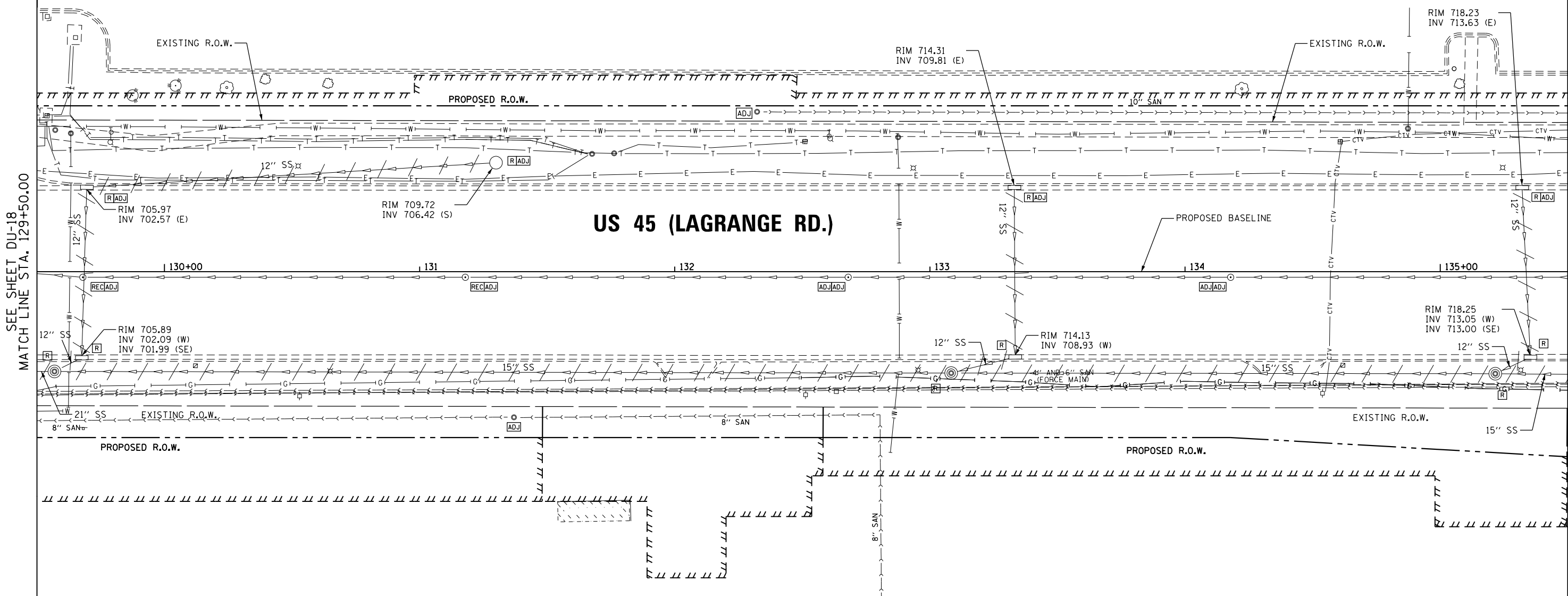
REMOVING INLETS  
 129+67.6, 33.8 RT  
 129+69.5, 33.1 LT  
 133+33.1, 33.0 LT  
 133+33.4, 33.4 RT  
 135+32.1, 32.9 LT  
 135+35.3, 33.6 RT

REMOVING MANHOLES  
 129+56.9, 39.1 RT  
 133+08.3, 39.7 RT  
 135+21.6, 40.0 RT

REMOVING CATCH BASINS  
 131+29.9, 42.7 LT

STORM SEWER REMOVAL - 12"  
 STA. 129+56.5 TO 129+67.6 - 8'  
 STA. 129+67.6 TO 129+69.5 - 65'  
 STA. 129+69.5 TO 131+29.9 - 158'  
 STA. 133+08.3 TO 133+33.4 - 32'  
 STA. 133+33.4 TO 133+33.1 - 64'  
 STA. 135+21.6 TO 135+35.3 - 12'  
 STA. 135+35.3 TO 135+32.1 - 65'

STORM SEWER REMOVAL - 15"  
 STA. 129+56.9 TO 133+08.3 - 347'  
 STA. 133+08.3 TO 135+21.6 - 208'

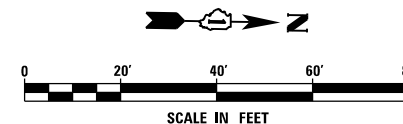


SEE SHEET DU-18  
 MATCH LINE STA. 129+50.00

MATCH LINE STA. 135+50.00  
 SEE SHEET DU-20

**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



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**URS**

FILE NAME = D160F05-KEA-SHT-DRAINEX19.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 19 OF 35 SHEETS STA. 129+50.00 TO STA. 135+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 275
<b>DU-19</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING INLETS  
 137+33.3, 33.1 LT  
 137+33.5, 33.4 RT  
 139+07.6, 32.9 LT  
 139+09.4, 33.6 RT  
 140+83.5, 33.6 RT  
 140+84.4, 33.1 LT  
 141+17.7, 47.3 LT

REMOVING MANHOLES  
 140+72.3, 41.4 RT

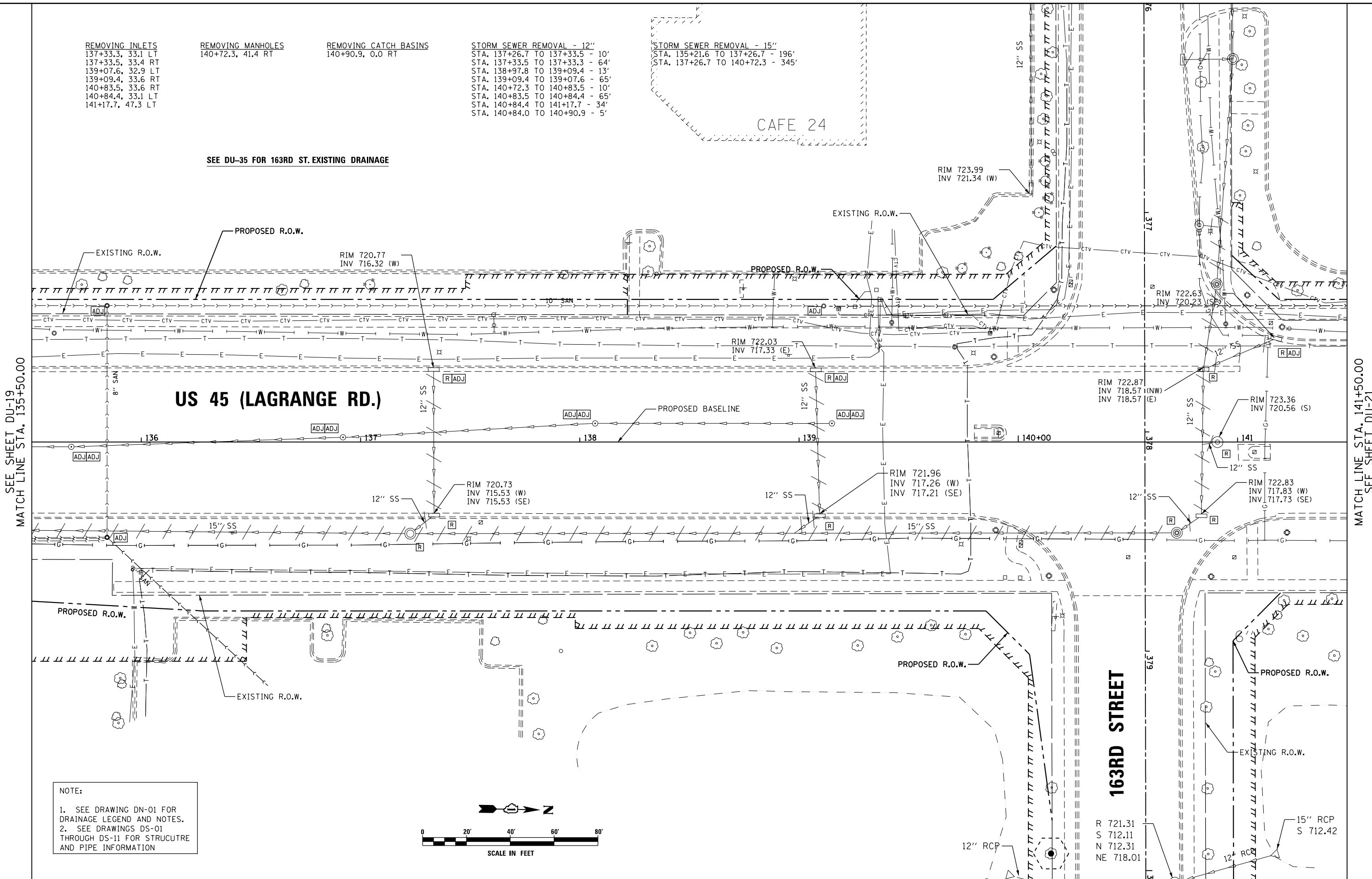
REMOVING CATCH BASINS  
 140+90.9, 0.0 RT

STORM SEWER REMOVAL - 12"  
 STA. 137+26.7 TO 137+33.5 - 10'  
 STA. 137+33.5 TO 137+33.3 - 64'  
 STA. 138+97.8 TO 139+09.4 - 13'  
 STA. 139+09.4 TO 139+07.6 - 65'  
 STA. 140+72.3 TO 140+83.5 - 10'  
 STA. 140+83.5 TO 140+84.4 - 65'  
 STA. 140+84.4 TO 141+17.7 - 34'  
 STA. 140+84.0 TO 140+90.9 - 5'

STORM SEWER REMOVAL - 15"  
 STA. 135+21.6 TO 137+26.7 - 196'  
 STA. 137+26.7 TO 140+72.3 - 345'

CAFE 24

SEE DU-35 FOR 163RD ST. EXISTING DRAINAGE



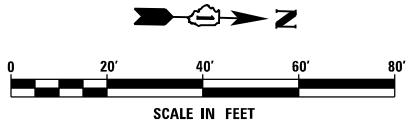
SEE SHEET DU-19  
 MATCH LINE STA. 135+50.00

MATCH LINE STA. 141+50.00  
 SEE SHEET DU-21

**US 45 (LAGRANGE RD.)**

**163RD 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



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FILE NAME = D160F05-KEA-SHT-DRAINEX20.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)</b>		F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 276	
SHT.PLAN	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -		SCALE: 1"=20'	SHEET 20 OF 35 SHEETS	STA. 135+50.00 TO STA. 141+50.00	<b>DU-20</b>		CONTRACT NO. 60F05		
	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -		ILLINOIS FED. AID PROJECT							

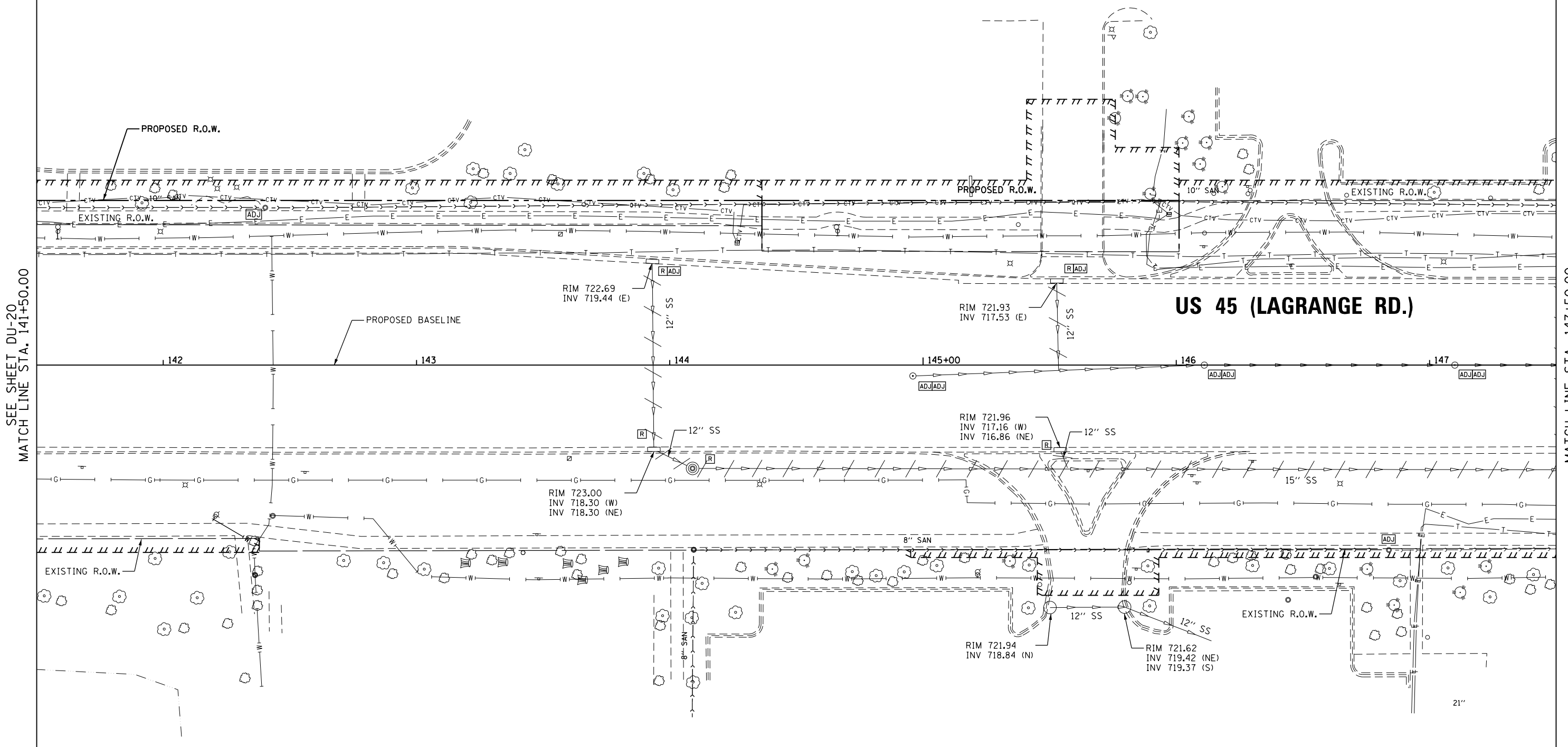


REMOVING INLETS  
 143+93.1, 40.9 LT  
 143+93.7, 33.3 RT  
 145+52.8, 33.2 LT  
 145+54.2, 33.5 RT

REMOVING MANHOLES  
 144+09.0, 40.8 RT

STORM SEWER REMOVAL - 12"  
 STA. 143+93.1 TO 143+93.7 - 72'  
 STA. 143+93.7 TO 144+09.0 - 14'  
 STA. 145+52.8 TO 145+54.2 - 65'  
 STA. 145+54.2 TO 145+54.3 - 7'

STORM SEWER REMOVAL - 15"  
 STA. 144+09.0 TO 147+63.5 - 350'



SEE SHEET DU-20  
 MATCH LINE STA. 141+50.00

MATCH LINE STA. 147+50.00  
 SEE SHEET DU-22

**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

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FILE NAME = D160F05-KEA-SHT-DRAINEX21.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	277
<b>DU-21</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

REMOVING INLETS  
 147+52.5, 33.3 LT  
 147+52.8, 33.3 RT  
 150+23.5, 33.5 RT  
 150+23.7, 32.9 LT  
 152+02.3, 32.8 LT  
 152+05.2, 33.6 RT

REMOVING CATCH BASINS  
 151+19.6, 2.3 LT  
 151+79.6, 0.3 RT

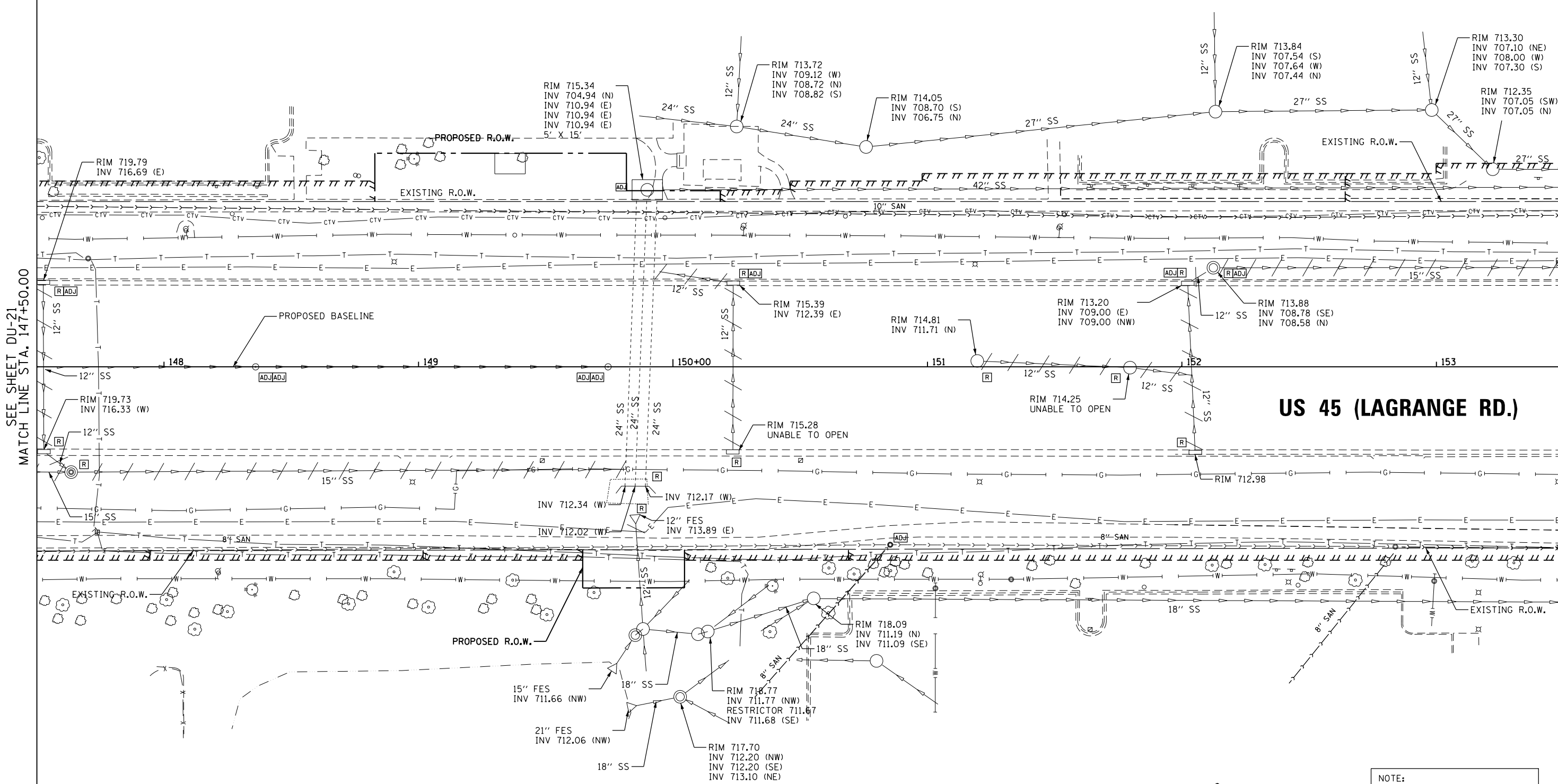
REMOVING MANHOLES  
 147+63.5, 41.4 RT  
 152+12.4, 39.0 LT

FLARED END SECTION REMOVAL  
 149+85.4, 61.6 RT

CONCRETE HEADWALL REMOVAL  
 149+85.2, 47.1 RT  
 CONCRETE HEADWALL REMOVAL  
 TO BE INCLUDED IN COST OF  
 PIPE REMOVAL

STORM SEWER REMOVAL - 12"  
 STA. 147+52.5 TO 147+52.8 - 65'  
 STA. 147+52.8 TO 147+63.5 - 10'  
 STA. 149+85.4 TO 149+86.8 - 21'  
 STA. 149+93.3 TO 150+23.7 - 30'  
 STA. 150+23.7 TO 150+23.5 - 64'  
 STA. 151+19.6 TO 151+79.6 - 58'  
 STA. 151+79.6 TO 152+03.9 - 24'  
 STA. 152+05.2 TO 152+02.3 - 65'  
 STA. 152+02.3 TO 152+12.4 - 8'

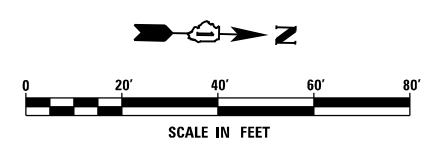
STORM SEWER REMOVAL - 15"  
 STA. 147+63.5 TO 149+81.6 - 215'



SEE SHEET DU-21  
 MATCH LINE STA. 147+50.00

MATCH LINE STA. 153+50.00  
 SEE SHEET DU-23

**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

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FILE NAME = D160F05-KEA-SHT-DRAINEX22.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - US 55 (LAGRANGE ROAD)</b>			F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 278
PLOT SCALE = 40.0001' / in.	CHECKED - JRS	DRAWN - REW	REVISED -		SCALE: 1"=20'	SHEET 22 OF 35 SHEETS	STA. 147+50.00 TO STA. 153+50.00	<b>DU-22</b>		CONTRACT NO. 60F05		
PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISOR -	REVISED -		ILLINOIS FED. AID PROJECT							
SHT.PLAN												

**REMOVING INLETS**  
 153+83.4, 33.6 RT  
 153+83.8, 32.9 LT  
 155+62.8, 32.9 LT  
 155+64.1, 33.5 RT  
 158+01.9, 33.7 RT  
 158+04.4, 32.9 LT  
 158+25.0, 0.7 RT  
 158+54.9, 0.4 LT

**REMOVING MANHOLES**  
 155+78.4, 39.2 LT  
 158+13.2, 38.7 LT

**REMOVING CATCH BASINS**  
 154+04.3, 73.2 LT  
 154+82.0, 64.9 RT  
 155+29.9, 0.7 RT  
 157+35.1, 49.4 RT  
 158+43.5, 54.2 RT

**FLARED END SECTION REMOVAL**  
 153+66.6, 51.4 RT  
 154+92.6, 54.7 RT  
 155+15.7, 50.2 RT

**US 45 (LAGRANGE RD.)**

SEE SHEET DU-22  
 MATCH LINE STA. 153+50.00

MATCH LINE STA. 159+50.00  
 SEE SHEET DU-24

**URS**  
 100 S. WACKER DR.  
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 TEL (312) 939-1000  
 FAX (312) 939-4998

FILE NAME = D160F05-KEA-SHT-DRAINEX23.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

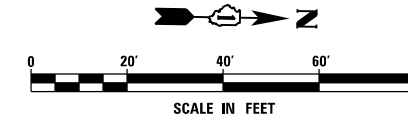
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	279
<b>DU-23</b>			<b>CONTRACT NO. 60F05</b>	
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



**STORM SEWER REMOVAL - 12"**  
 STA. 153+83.4 TO 153+83.8 - 64'  
 STA. 153+83.8 TO 153+88.1 - 7'  
 STA. 154+04.3 TO 154+10.7 - 6'  
 STA. 155+15.7 TO 155+64.1 - 50'  
 STA. 155+64.1 TO 155+62.8 - 64'  
 STA. 155+62.8 TO 155+78.4 - 13'  
 STA. 155+29.9 TO 155+63.4 - 32'  
 STA. 157+35.1 TO 158+01.9 - 66'  
 STA. 158+01.9 TO 158+04.4 - 65'  
 STA. 158+04.4 TO 158+13.2 - 7'  
 STA. 158+03.0 TO 158+25.0 - 21'  
 STA. 158+25.0 TO 158+54.9 - 28'  
 STA. 158+54.9 TO 158+43.5 - 53'

**STORM SEWER REMOVAL - 15"**  
 STA. 152+12.4 TO 155+78.4 - 361'  
 STA. 154+82.0 TO 154+82.1 - 27'

**STORM SEWER REMOVAL - 18"**  
 STA. 154+82.0 TO 154+92.6 - 18'

**STORM SEWER REMOVAL - 21"**  
 STA. 155+78.4 TO 158+13.2 - 230'  
 STA. 158+13.2 TO 160+06.2 - 190'

**STORM SEWER REMOVAL - 4"**  
 STA. 157+34.8 TO 157+35.1 - 9'

REMOVING INLETS  
 160+80.0, 37.4 RT  
 160+96.6, 41.7 LT  
 162+45.4, 47.0 RT  
 162+56.9, 46.3 LT

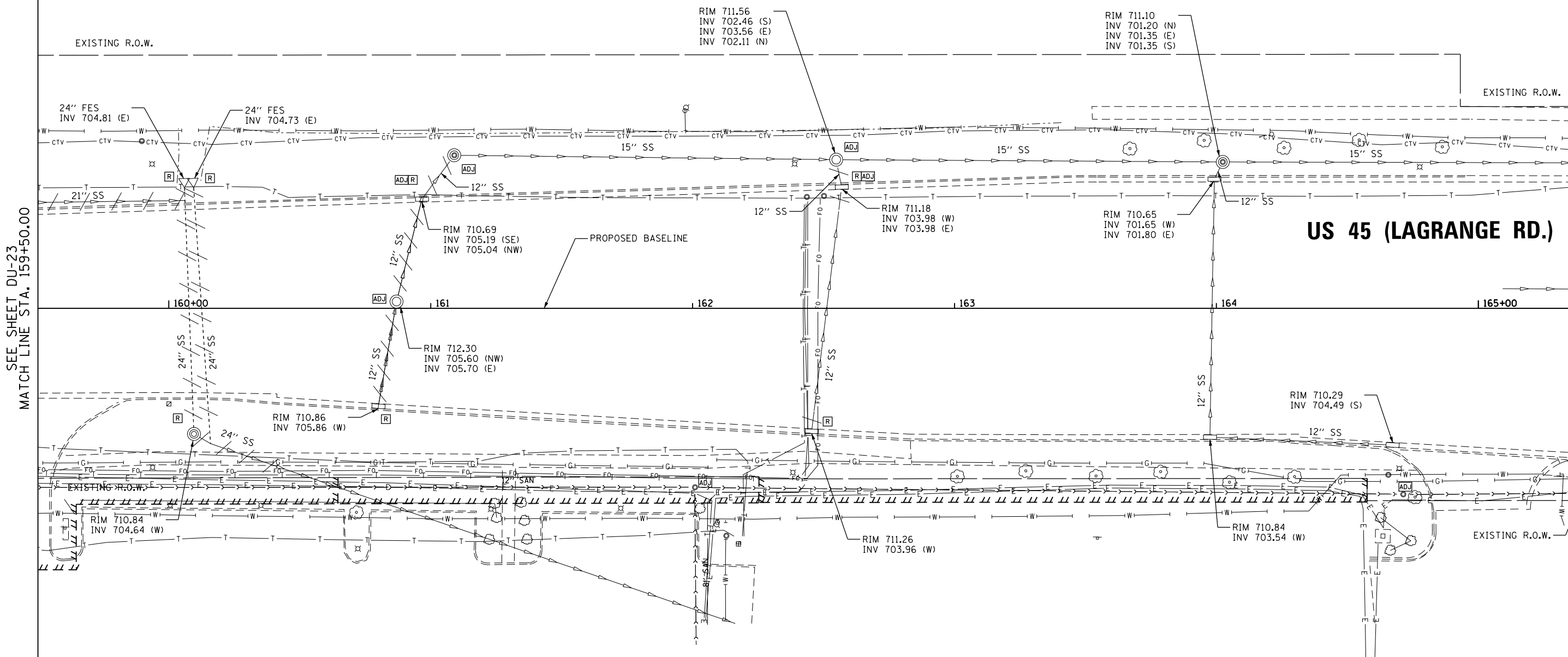
FLARED END SECTION REMOVAL  
 160+06.0, 46.0 LT  
 160+09.5, 46.0 LT

REMOVING MANHOLES  
 160+09.6, 48.0 RT

STORM SEWER REMOVAL - 12"  
 STA. 160+80.2 TO 160+86.5 - 37'  
 STA. 160+87.6 TO 160+96.4 - 37'  
 STA. 160+97.3 TO 161+07.5 - 17'  
 STA. 162+45.5 TO 162+46.4 - 7'  
 STA. 162+55.8 TO 162+56.8 - 8'  
 STA. 162+55.3 TO 162+56.7 - 7'

STORM SEWER REMOVAL - 24"  
 STA. 160+16.0 TO 160+46.3 - 20'

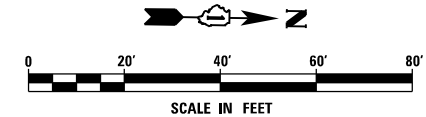
PIPE CULVERT REMOVAL  
 STA. 160+06.0 TO 160+09.6 - 89'  
 STA. 160+09.5 TO 160+16.0 - 99'



SEE SHEET DU-23  
 MATCH LINE STA. 159+50.00

MATCH LINE STA. 165+50.00  
 SEE SHEET DU-25

**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

100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4198

**URS**

FILE NAME = D:\160F05-KEA-SHT-DRAINEX24.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 280
<b>DU-24</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

STORM SEWER AND STRUCTURE REMOVAL

NONE

159TH STREET

US 45 (LAGRANGE RD.)

SEE SHEET DU-24  
MATCH LINE STA. 165+50.00

PROPOSED BASELINE

EXISTING R.O.W.

EXISTING R.O.W.

EXISTING R.O.W.

EXISTING R.O.W.

166

167

168

169

170+00

171

12" SAN

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

FILE NAME =  
D:\60F05-KEA-SHT-DRAINEX25.dgn  
SHT.PLAN

USER NAME = Frank.Stallone  
DRAWN - REW  
CHECKED - JRS  
PLOT DATE = 3/14/2013

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

REVISED -  
REVISED -  
REVISED -  
REVISED -

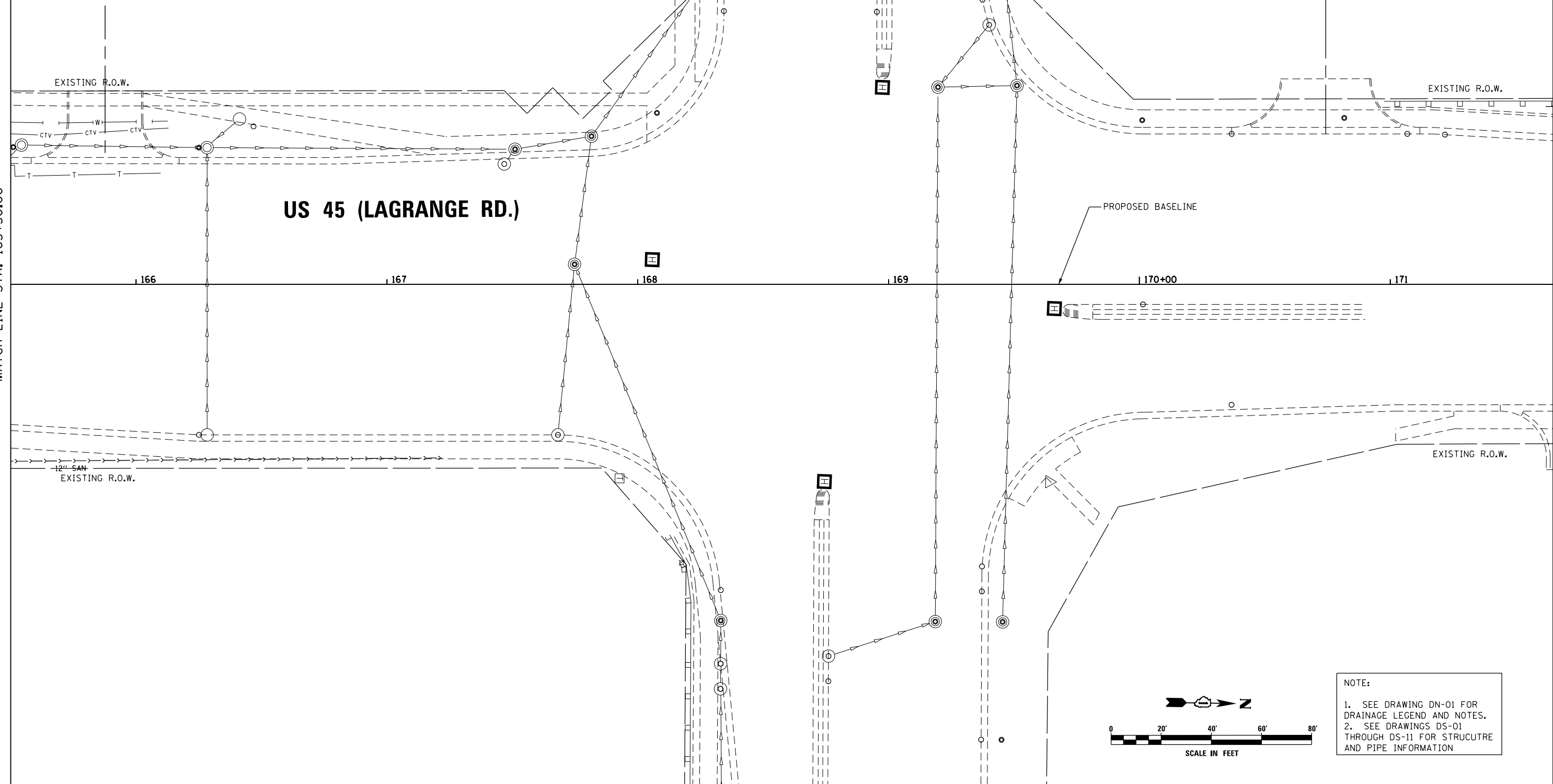
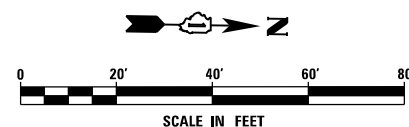
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

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

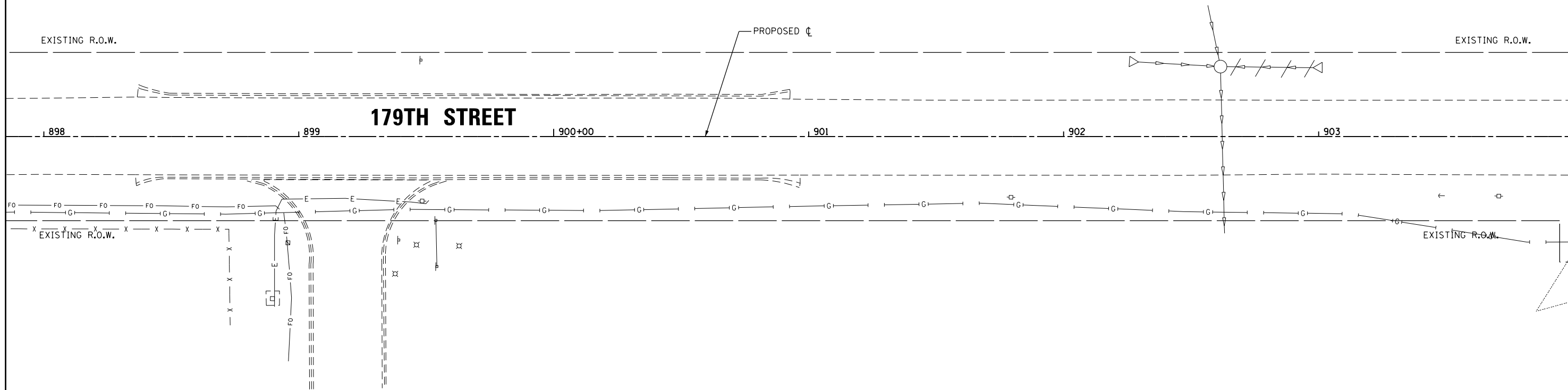
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	281
DU-25			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

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



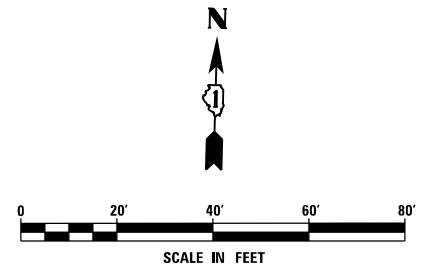
**STORM SEWER AND STRUCTURE REMOVAL**

FLARED END SECTION REMOVAL  
 903+00, 27.0 LT.  
 STORM SEWER REMOVAL  
 STA. 902+64 TO 902+33 - 33'



MATCH LINE STA. 904+00.00  
SEE SHEET DU-27

**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.  
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 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINEX26.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - 179TH STREET**

SCALE: 1"=20' SHEET 26 OF 35 SHEETS STA. BEGIN TO STA. 904+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	282
<b>DU-26</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

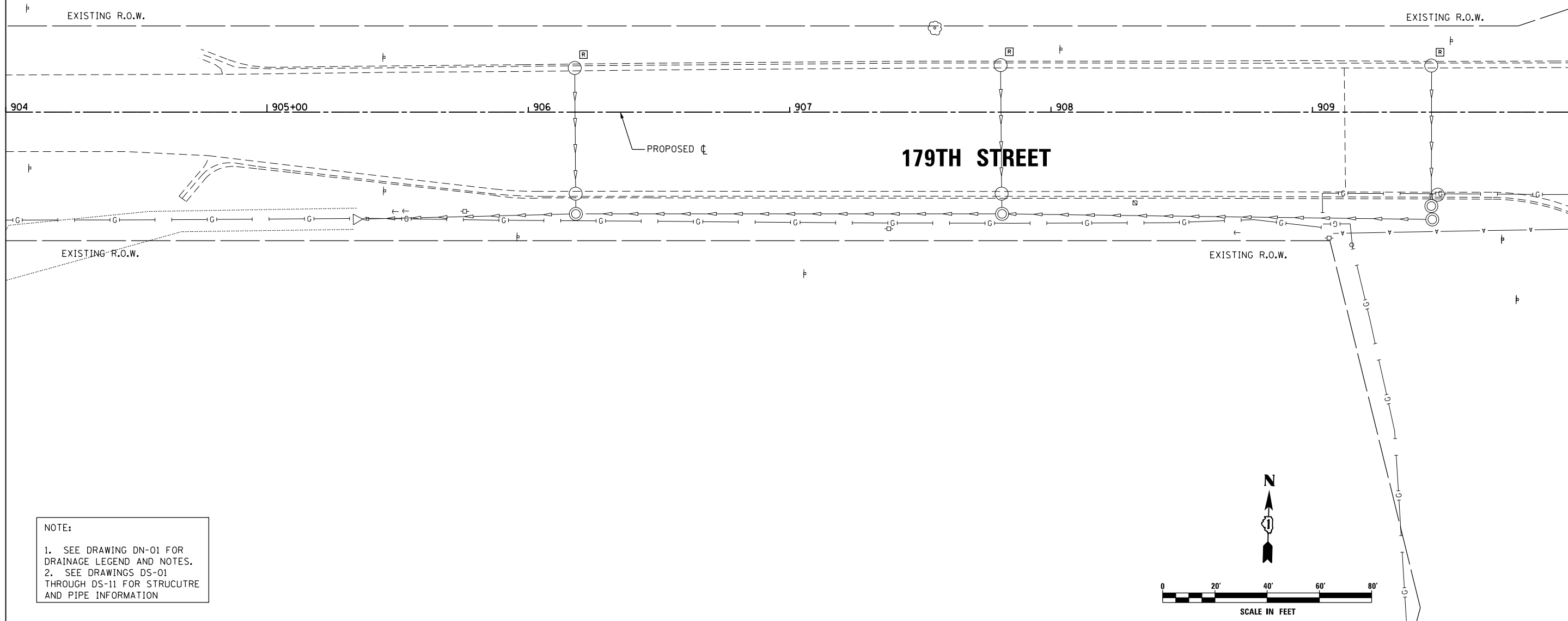
**STORM SEWER AND STRUCTURE REMOVAL**

REMOVING CATCH BASINS

906+17.86, 16.9 LT  
 907+80.84, 18.0 LT  
 909+45.59, 17.8 LT

SEE SHEET DU-26  
 MATCH LINE STA. 904+00.00

MATCH LINE STA. 910+00.00  
 SEE SHEET DU-28



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

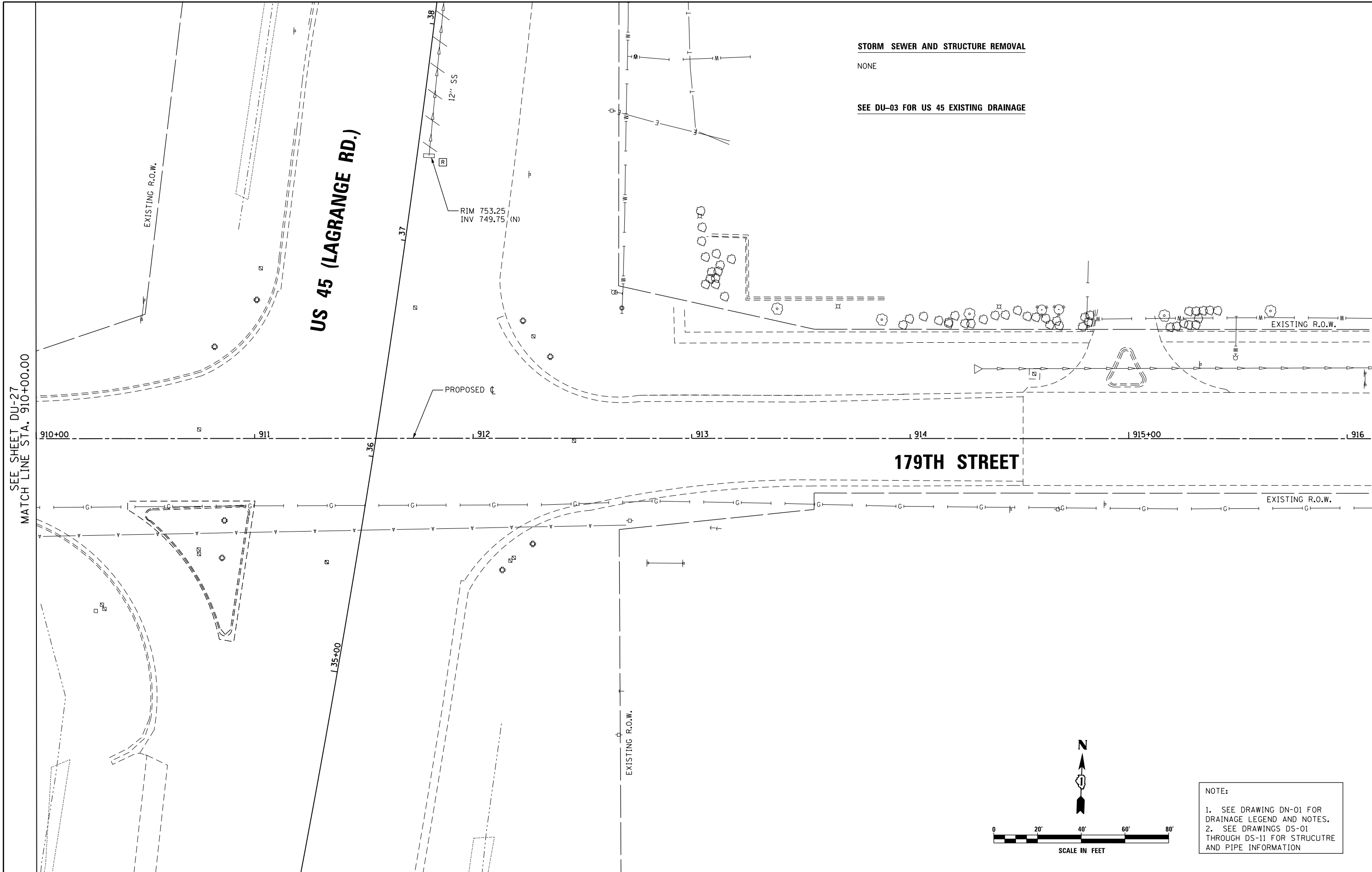
**URS**  
 100 S. WACKER DR.  
 SUITE 600  
 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998

FILE NAME = D:\160F05-KEA-SHT-DRAINEX27.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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. 283
<b>DU-27</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



**STORM SEWER AND STRUCTURE REMOVAL**  
 NONE  
**SEE DU-03 FOR US 45 EXISTING DRAINAGE**

SEE SHEET DU-27  
 MATCH LINE STA. 910+00.00

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

FILE NAME = D160F05-KEA-SHT-DRAINEX28.dgn	USER NAME = Frank_Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING DRAINAGE PLAN - 179TH STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	284
<b>DU-28</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Frank.Stallone
D160F05-KEA-SHT-DRAINEX29.dgn	
SHT.PLAN	

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

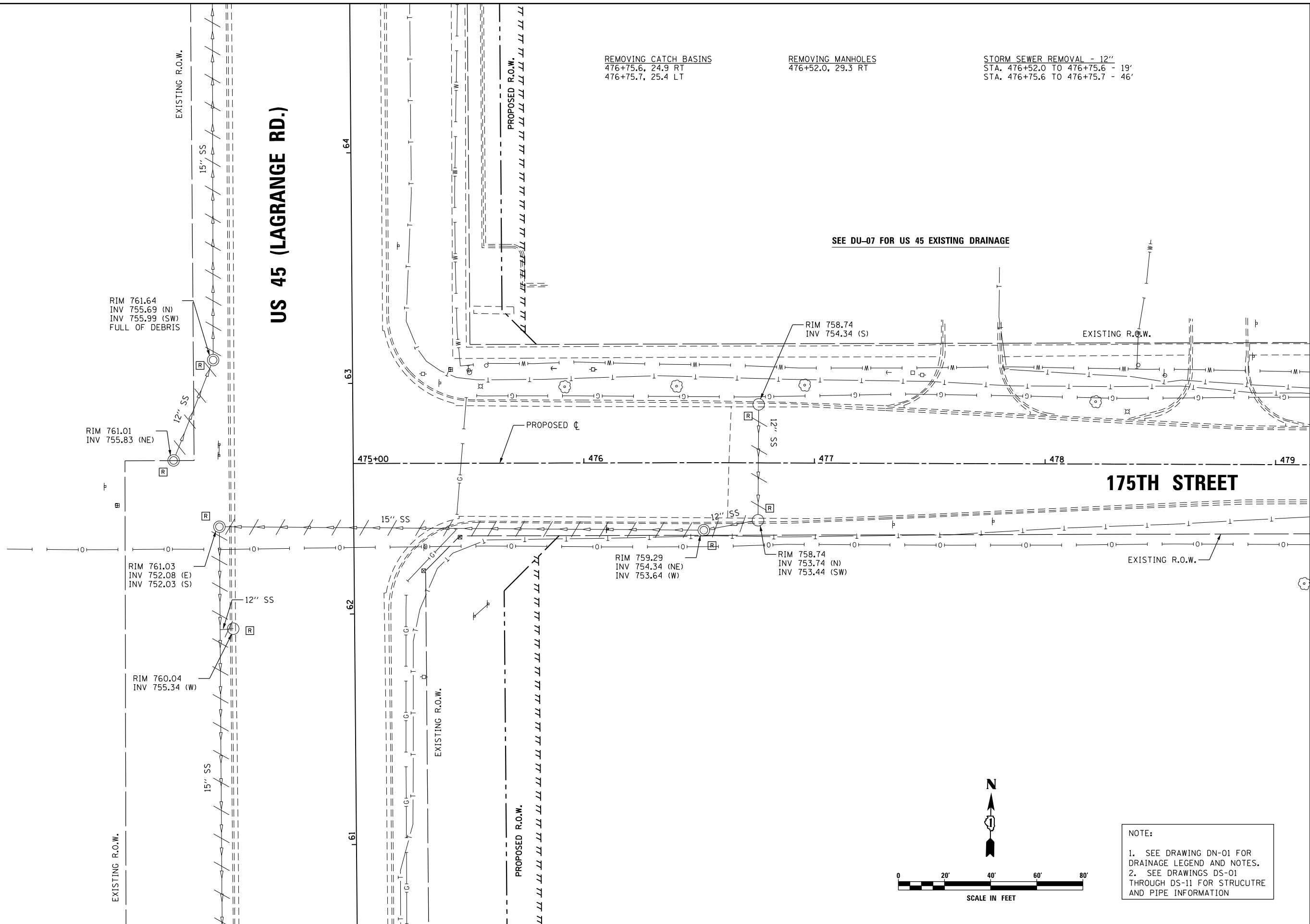
DESIGNED -	MGS	REVISED -	
DRAWN -	REW	REVISED -	
CHECKED -	JRS	REVISED -	
DATE -	03/13/13	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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	285
<b>DU-29</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



**NOTE:**

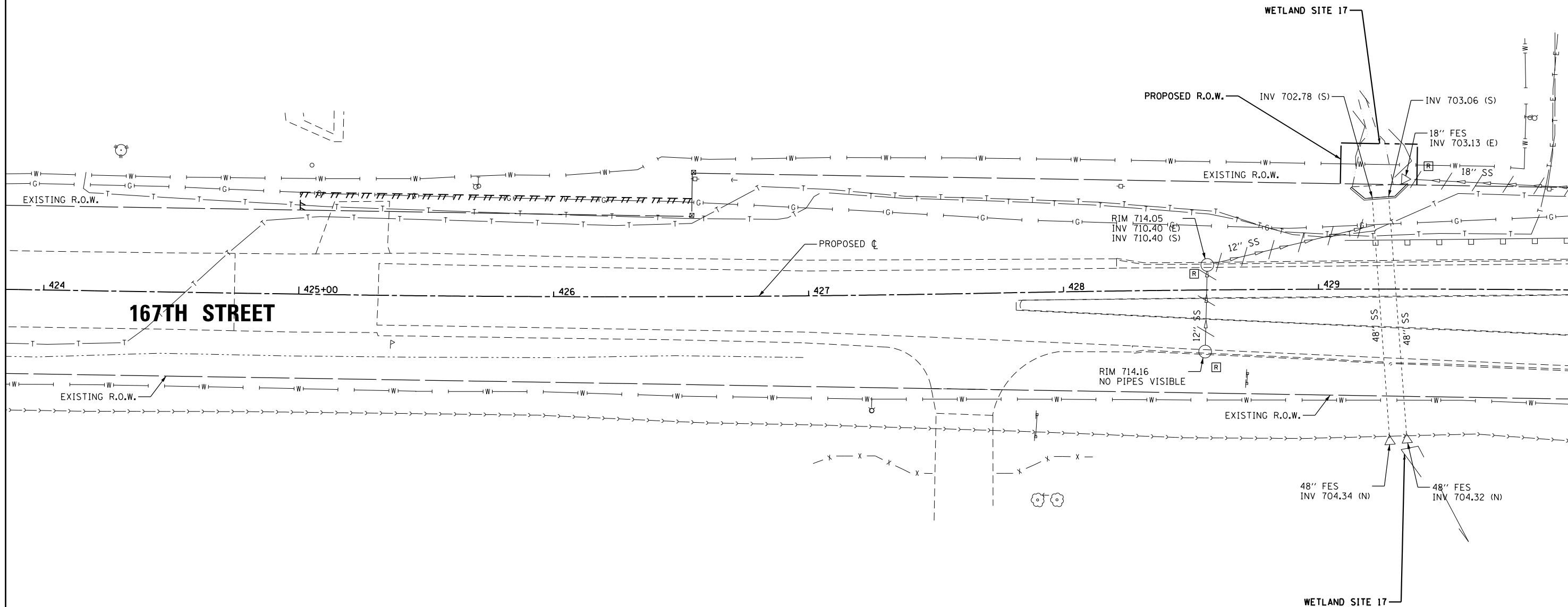
- SEE DRAWING DN-01 FOR DRAINAGE LEGEND AND NOTES.
- SEE DRAWINGS DS-01 THROUGH DS-11 FOR STRUCTURE AND PIPE INFORMATION



REMOVING CATCH BASINS  
428+55.3, 24.2 RT  
428+56.5, 9.8 LT

FLARED END SECTION REMOVAL  
429+36.2, 43.1 LT

STORM SEWER REMOVAL - 12"  
STA. 428+55.3 TO 428+56.5 - 30'  
STA. 428+56.5 TO 429+21.8 - 66'



MATCH LINE STA. 430+00.00  
SEE SHEET DU-32

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

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



FILE NAME = D160F05-KEA-SHT-DRAINEX31.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING 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. 287
DU-31			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

REMOVING CATCH BASINS  
 430+16.3, 11.1 LT  
 430+18.3, 30.7 RT  
 432+31.3, 30.8 RT  
 434+49.1, 30.8 RT  
 434+52.0, 10.9 LT  
 434+59.5, 31.0 RT  
 434+62.1, 10.9 LT

REMOVING MANHOLES  
 432+35.9, 31.6 LT  
 434+46.6, 25.2 LT

SEE DU-16 FOR US 45 EXISTING DRAINAGE

**US 45 (LAGRANGE RD.)**

**167TH STREET**

SEE SHEET DU-31  
 MATCH LINE STA. 430+00.00

MATCH LINE STA. 436+00.00  
 SEE SHEET DU-33

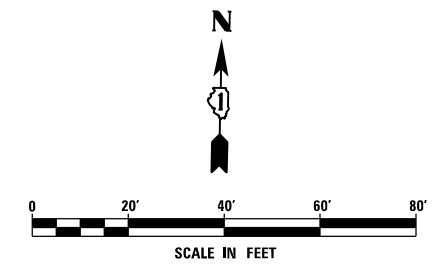
STORM SEWER REMOVAL - 12"  
 STA. 430+18.3 TO 430+16.3 - 38'  
 STA. 430+16.3 TO 430+10.3 - 28'  
 STA. 432+31.3 TO 432+35.9 - 58'  
 STA. 434+49.1 TO 434+59.5 - 6'  
 STA. 434+49.1 TO 434+52.0 - 38'  
 STA. 434+52.0 TO 434+62.1 - 6'  
 STA. 434+52.0 TO 434+46.6 - 11'

STORM SEWER REMOVAL - 15"  
 STA. 433+49.2 TO 434+46.6 - 93'  
 STA. 434+46.6 TO 436+09.1 - 158'

STORM SEWER REMOVAL - 18"  
 STA. 429+36.2 TO 432+35.9 - 299'  
 STA. 432+35.9 TO 433+49.2 - 108'

NOTE:

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



**URS**  
 100 S. WACKER DR.  
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 TEL (312) 935-1000  
 FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINEX32.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/14/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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. 288
<b>DU-32</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

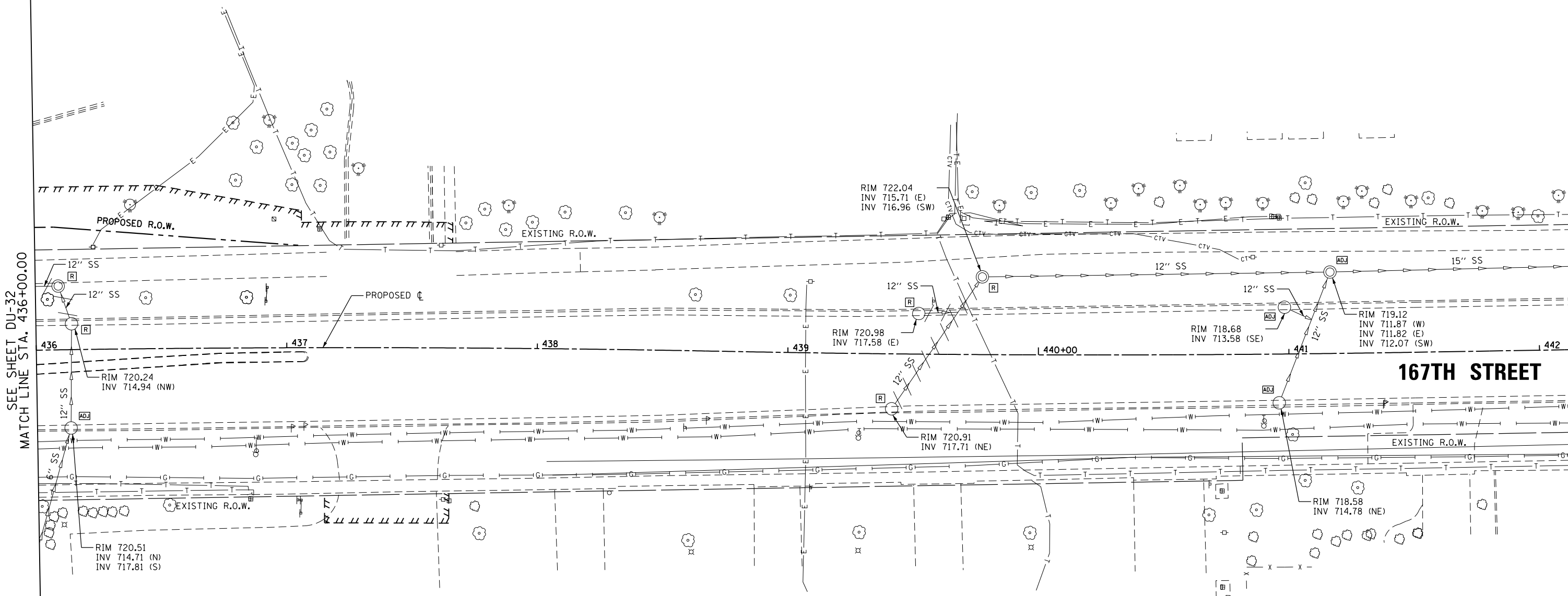
CATCH BASINS TO BE ADJUSTED  
 436+13.5, 31.3 RT  
 440+96.0, 19.5 RT  
 440+98.4, 18.7 LT

MANHOLES TO BE ADJUSTED  
 441+16.8, 32.5 LT

REMOVING MANHOLES  
 436+09.1, 25.5 LT  
 439+77.5, 31.0 LT

REMOVING CATCH BASINS  
 436+14.2, 10.3 LT  
 439+41.6, 21.9 RT  
 439+52.1, 16.2 LT

STORM SEWER REMOVAL - 12"  
 STA. 436+09.1 TO 436+14.2 - 12'  
 STA. 439+43.0 TO 439+76.0 - 59'  
 STA. 439+52.1 TO 439+67.8 - 14'



SEE SHEET DU-32  
 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

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

**URS**

FILE NAME = D160F05-KEA-SHT-DRAINEX33.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING DRAINAGE PLAN - 167TH STREET</b>			F.A.P. RFE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 289
PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISIED -	REVISIED -		SCALE: 1"=20'	SHEET 33 OF 35 SHEETS	STA. 436+00.00 TO STA. END	<b>DU-33</b>				
SHT.PLAN	PLOT DATE = 3/14/2013	DATE - 03/13/13	REVISIED -		CONTRACT NO. 60F05							
ILLINOIS FED. AID PROJECT												

REMOVING INLETS  
401+50.4, 17.3 RT  
401+52.0, 17.1 LT

REMOVING CATCH BASINS  
401+73.9, 37.8 RT

STORM SEWER REMOVAL - 12"  
STA. 401+50.4 TO 401+52.0 - 33'

STORM SEWER REMOVAL - 15"  
STA. 401+31.0 TO 401+50.4 - 18'  
STA. 401+50.4 TO 401+73.9 - 28'

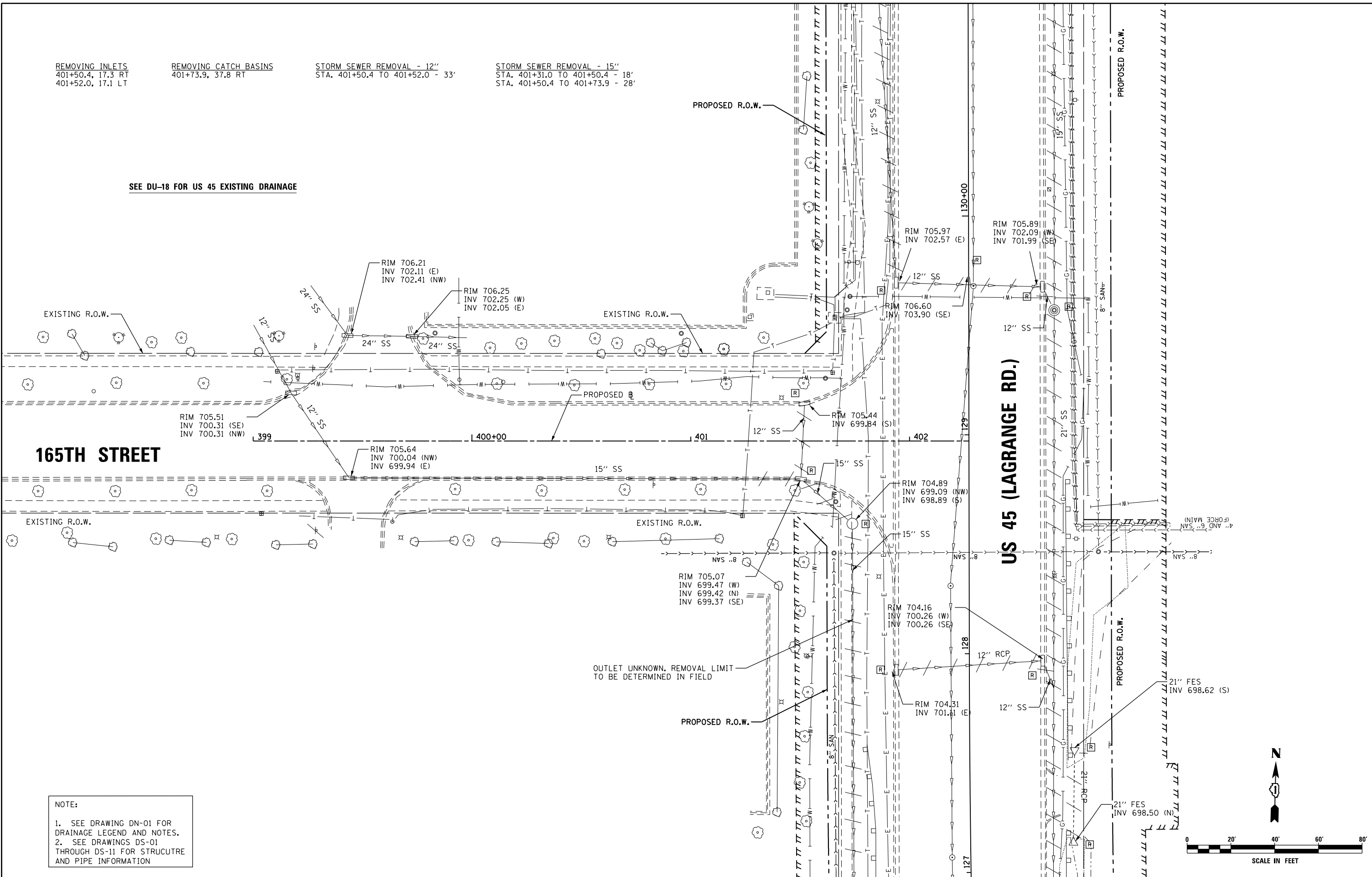
SEE DU-18 FOR US 45 EXISTING DRAINAGE

PROPOSED R.O.W.

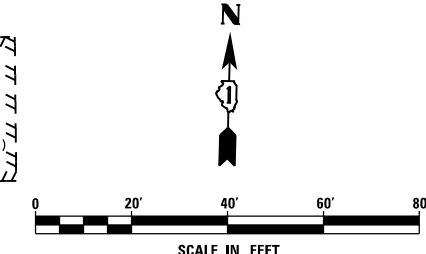
PROPOSED R.O.W.

US 45 (LAGRANGE RD.)

165TH 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  
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FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINEX34.dgn	USER NAME = Frank.Stallone	DESIGNED - MGS	REVISED -
SHT_PLAN	PLOT DATE = 3/14/2013	DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING 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. 290
DU-34		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

CATCH BASINS TO BE ADJUSTED  
 375+27.4, 16.6 RT  
 375+28.0, 17.2 LT  
 380+05.5, 13.2 LT  
 380+10.7, 30.5 RT

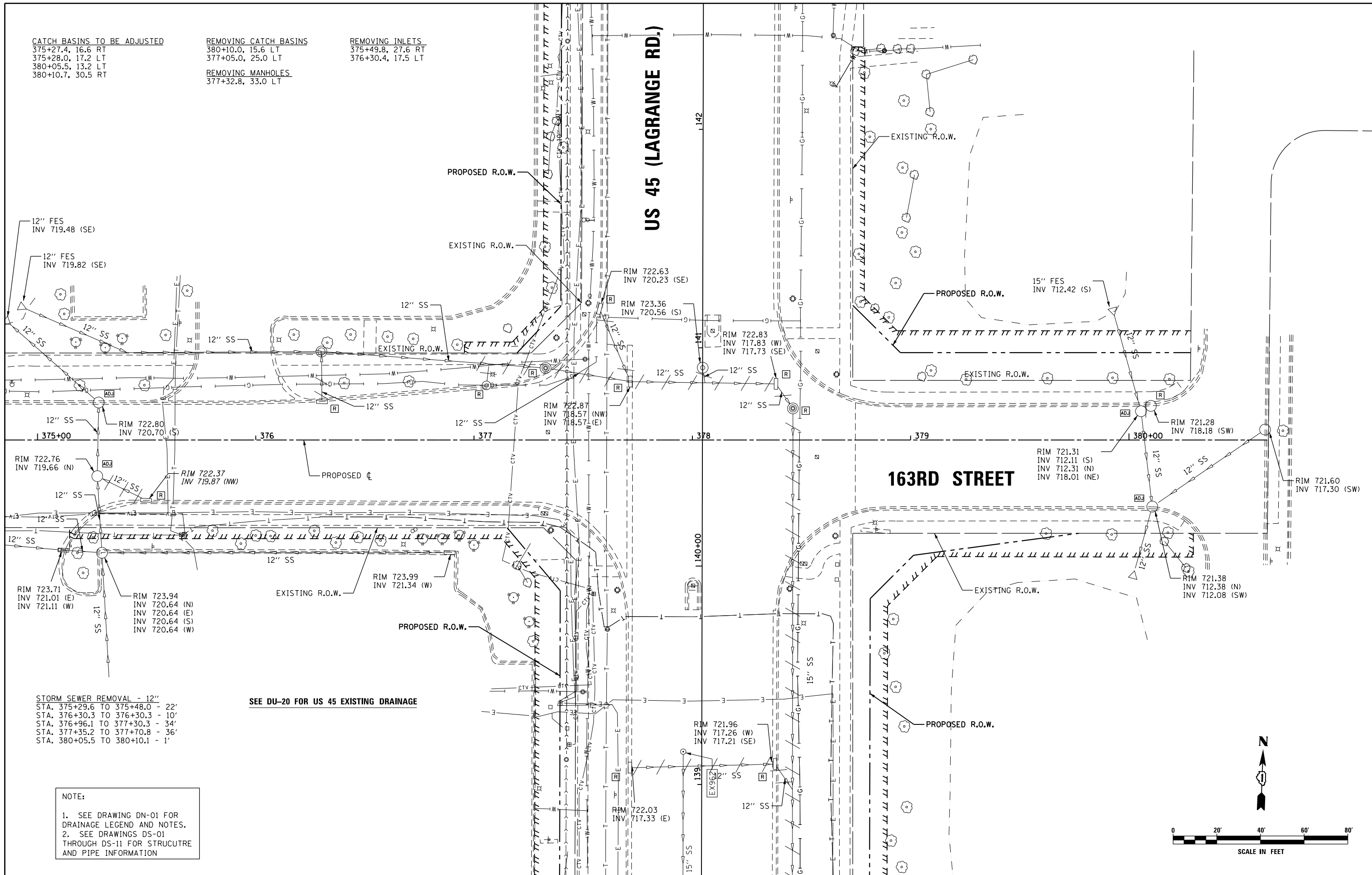
REMOVING CATCH BASINS  
 380+10.0, 15.6 LT  
 377+05.0, 25.0 LT

REMOVING MANHOLES  
 377+32.8, 33.0 LT

REMOVING INLETS  
 375+49.8, 27.6 RT  
 376+30.4, 17.5 LT

**US 45 (LAGRANGE RD.)**

**163RD STREET**



STORM SEWER REMOVAL - 12"  
 STA. 375+29.6 TO 375+48.0 - 22'  
 STA. 376+30.3 TO 376+30.3 - 10'  
 STA. 376+96.1 TO 377+30.3 - 34'  
 STA. 377+35.2 TO 377+70.8 - 36'  
 STA. 380+05.5 TO 380+10.1 - 1'

SEE DU-20 FOR US 45 EXISTING DRAINAGE

**NOTE:**

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

**URS**  
 100 S. WACKER DR.  
 10TH FLOOR  
 CHICAGO, IL 60606  
 TEL (312) 935-1000  
 FAX (312) 935-4998

FILE NAME = D160F05-KEA-SHT-DRAINEX35.dgn  
 SHT.PLAN

USER NAME = Frank.Stallone  
 PLOT SCALE = 40.0001' / in.  
 PLOT DATE = 3/14/2013

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

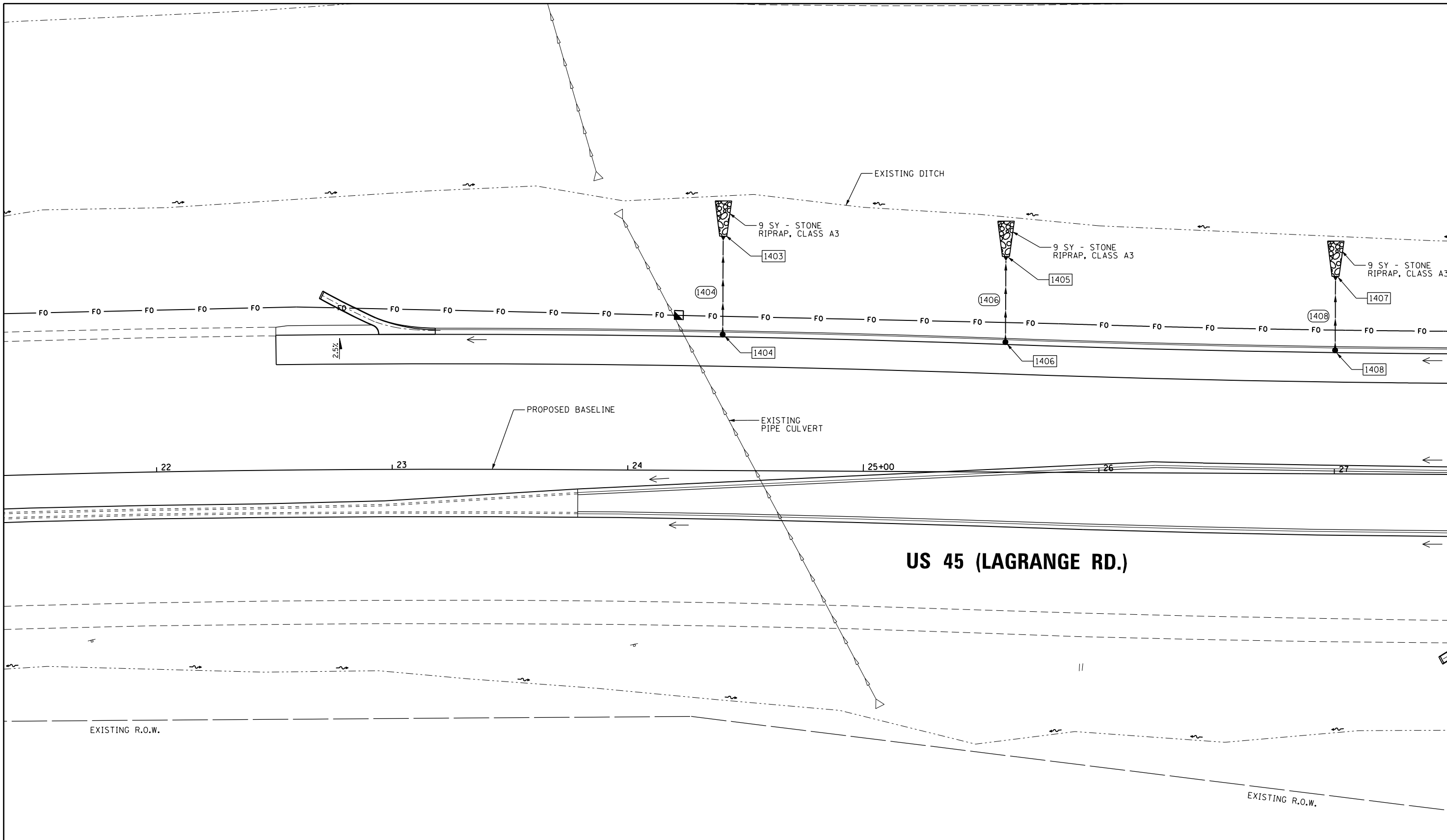
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING 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	291
<b>DU-35</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 27+50.00  
 SEE SHEET DU-37

**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-DRAINPR01.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.00' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

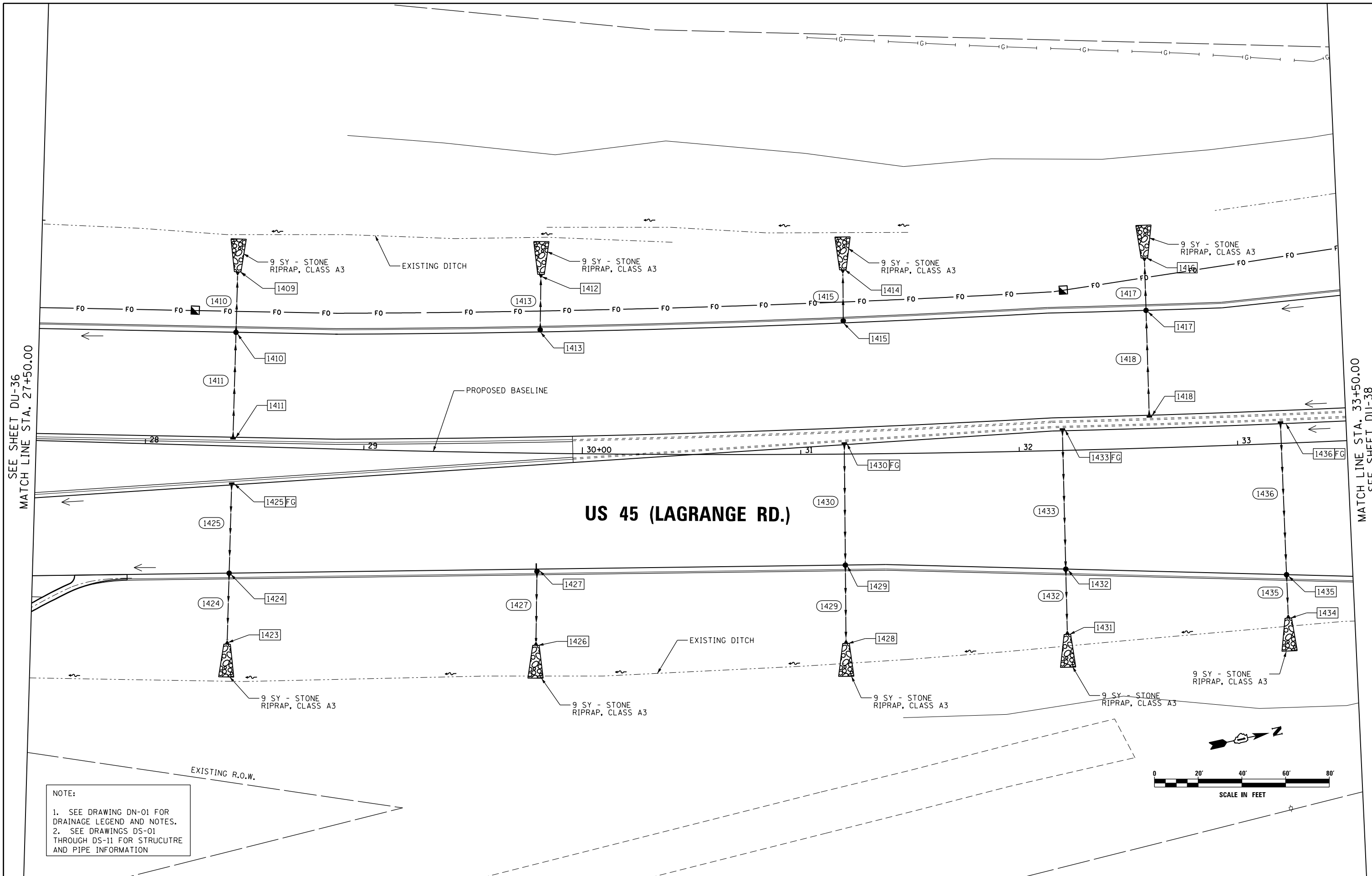
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE RD.)**

SCALE: 1"=20' SHEET 1 OF 35 SHEETS STA. BEGIN TO STA. 27+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 292
DU-36			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 = D:\160F05-KEA-SHT-DRAINPR02.dgn  
SHT.PLAN

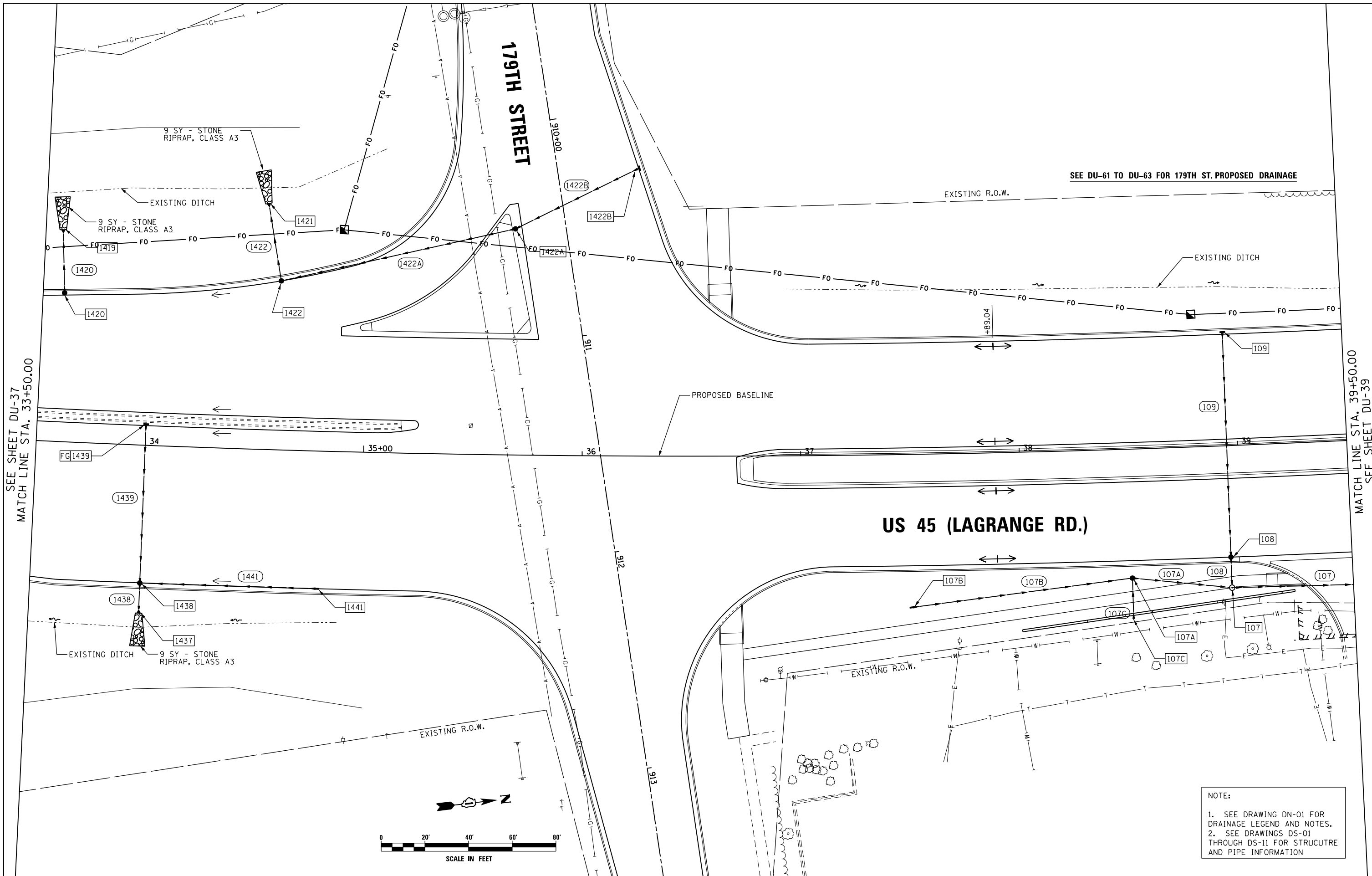
USER NAME = Anthony.Plutz  
DESIGNED - MGS  
DRAWN - REW  
PLOT SCALE = 40.0001' / in.  
PLOT DATE = 3/13/2013

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**  
SCALE: SHEET 2 OF 35 SHEETS STA. 27+50.00 TO STA. 33+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	293
<b>DU-37</b>			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				



SEE DU-61 TO DU-63 FOR 179TH ST. PROPOSED DRAINAGE

SEE SHEET DU-37  
 MATCH LINE STA. 33+50.00

MATCH LINE STA. 39+50.00  
 SEE SHEET DU-39

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

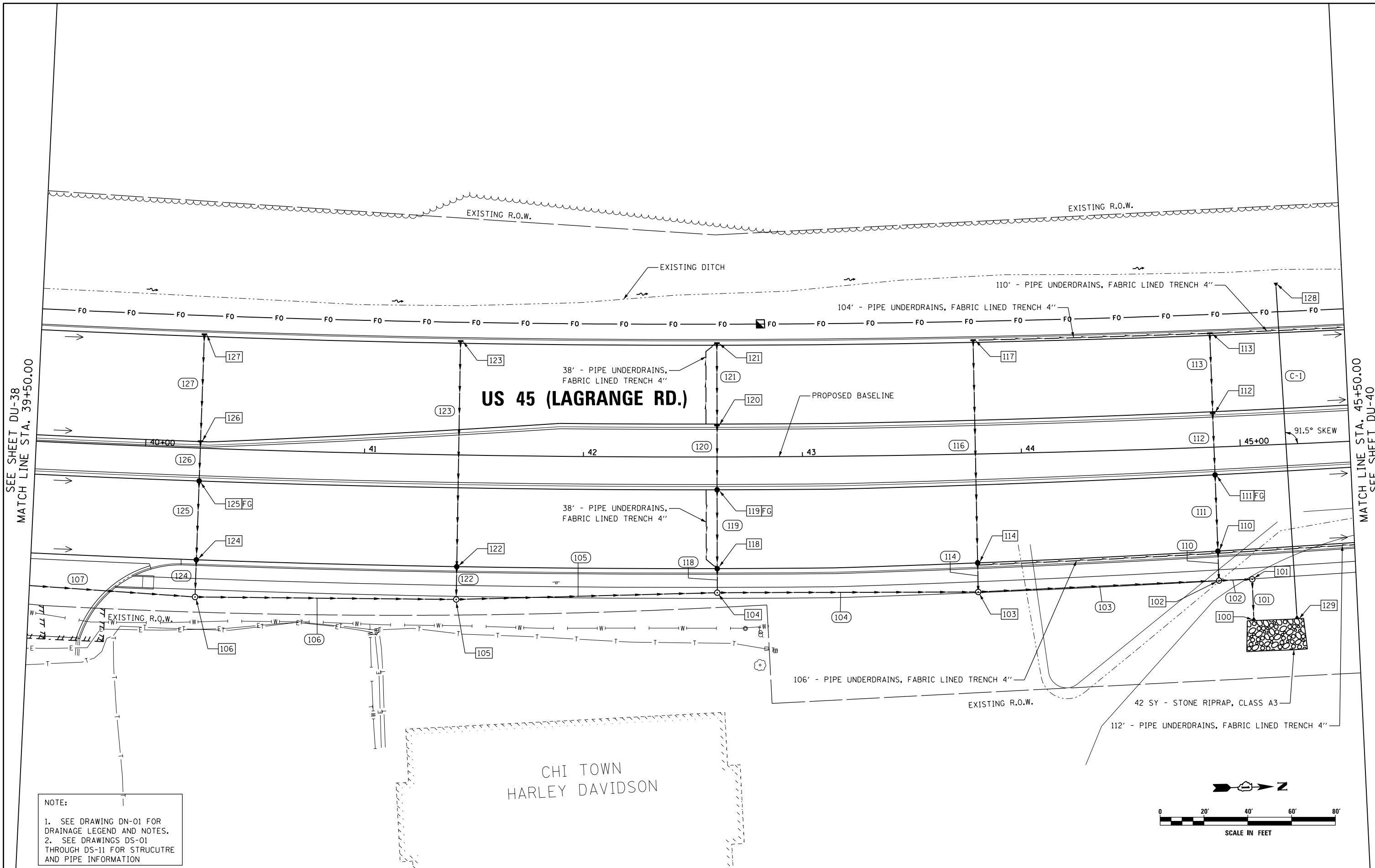
FILE NAME = D160F05-KEA-SHT-DRAINPR03.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
		CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.		
	PLOT DATE = 3/13/2013		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

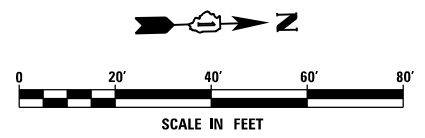
**PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

SCALE: SHEET 3 OF 35 SHEETS STA. 33+50.00 TO STA. 39+50.00

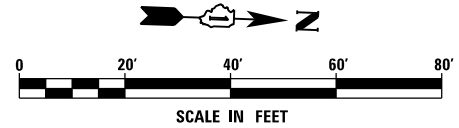
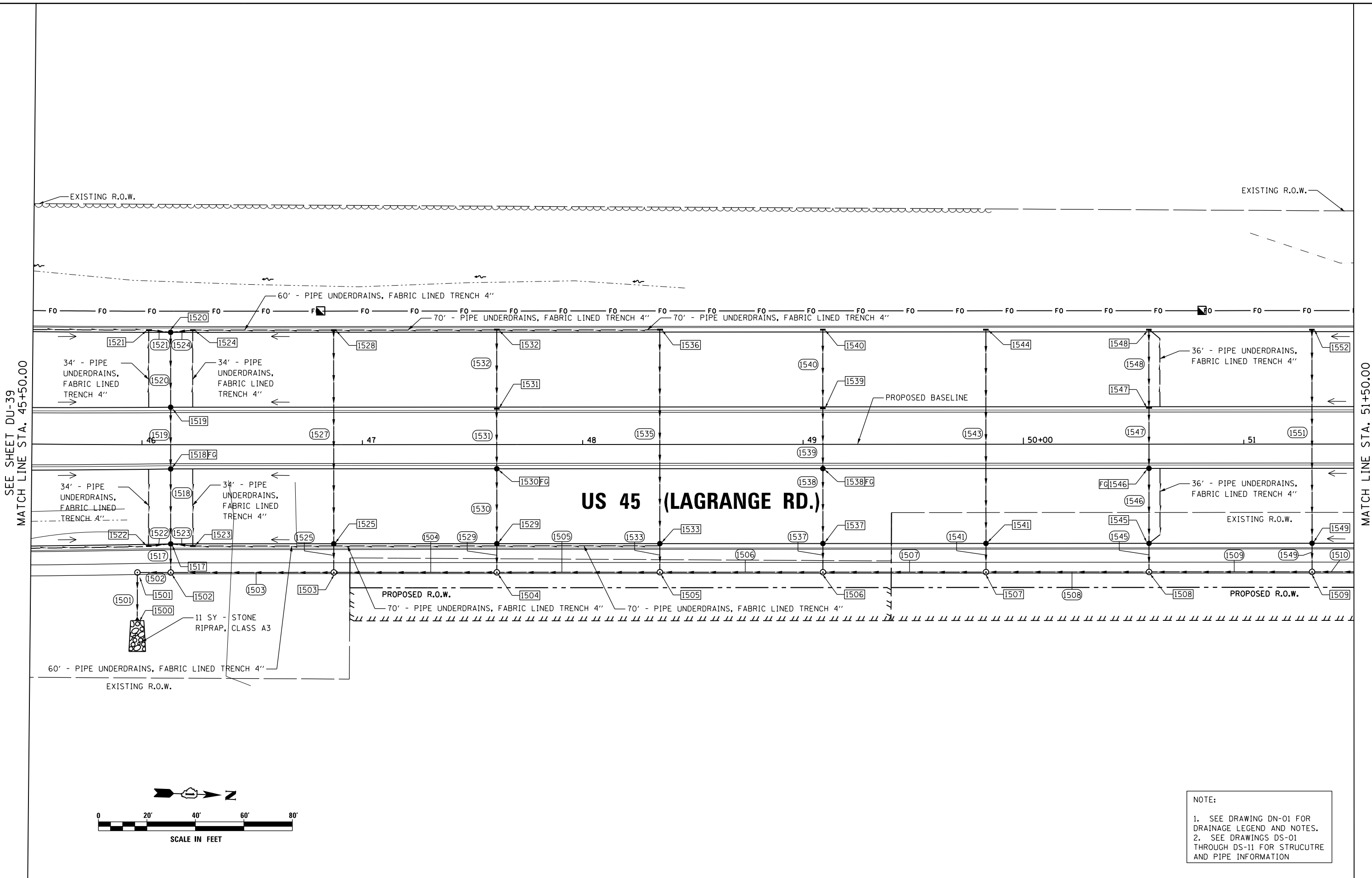
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	294
<b>DU-38</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				



**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-DRAINPR04.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)</b>	F.A.P. RTE. = 330	SECTION = 103R-3	COUNTY = COOK	TOTAL SHEETS = 932	SHEET NO. = 295
	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -			<b>DU-39</b>		<b>CONTRACT NO. 60F05</b>		ILLINOIS FED. AID PROJECT
SHT.PLAN	PLOT DATE = 3/13/2013	DATE = 03/13/13	REVISED -	SCALE: SHEET 4 OF 35 SHEETS STA. 39+50.00 TO STA. 45+50.00						



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-DRAINPR05.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 -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

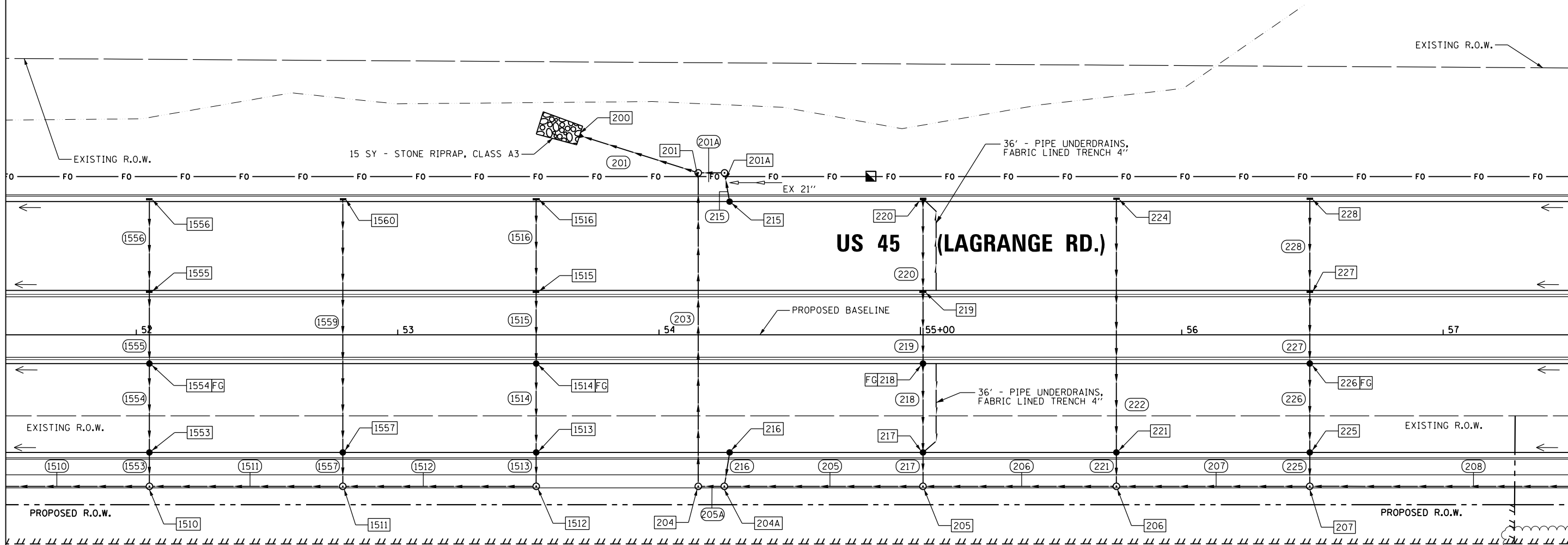
PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)

SCALE: 1"=20' SHEET 5 OF 35 SHEETS STA. 45+50.00 TO STA. 51+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	296
<b>DU-40</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

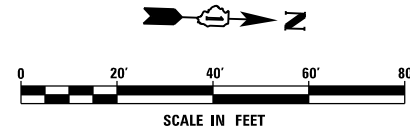
SEE SHEET DU-40  
 MATCH LINE STA. 51+50.00

MATCH LINE STA. 57+50.00  
 SEE SHEET DU-42



**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-DRAINPR06.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 -

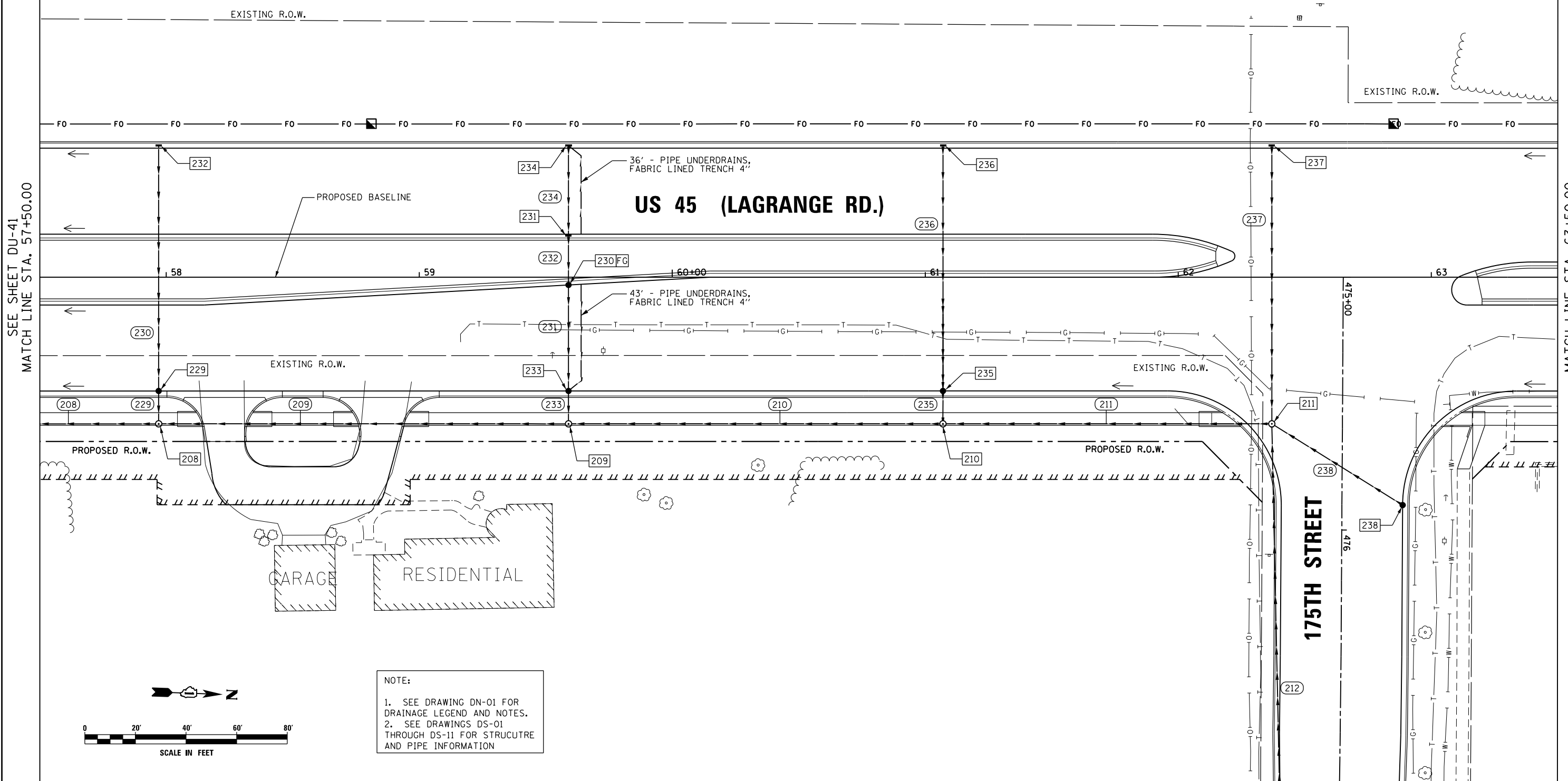
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 6 OF 35 SHEETS STA. 51+50.00 TO STA. 57+50.00

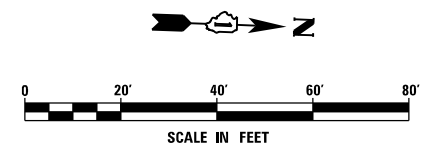
F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 297
<b>DU-41</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				

SEE DU-64 FOR 175TH ST. PROPOSED DRAINAGE



SEE SHEET DU-41  
MATCH LINE STA. 57+50.00

MATCH LINE STA. 63+50.00  
SEE SHEET DU-43



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  
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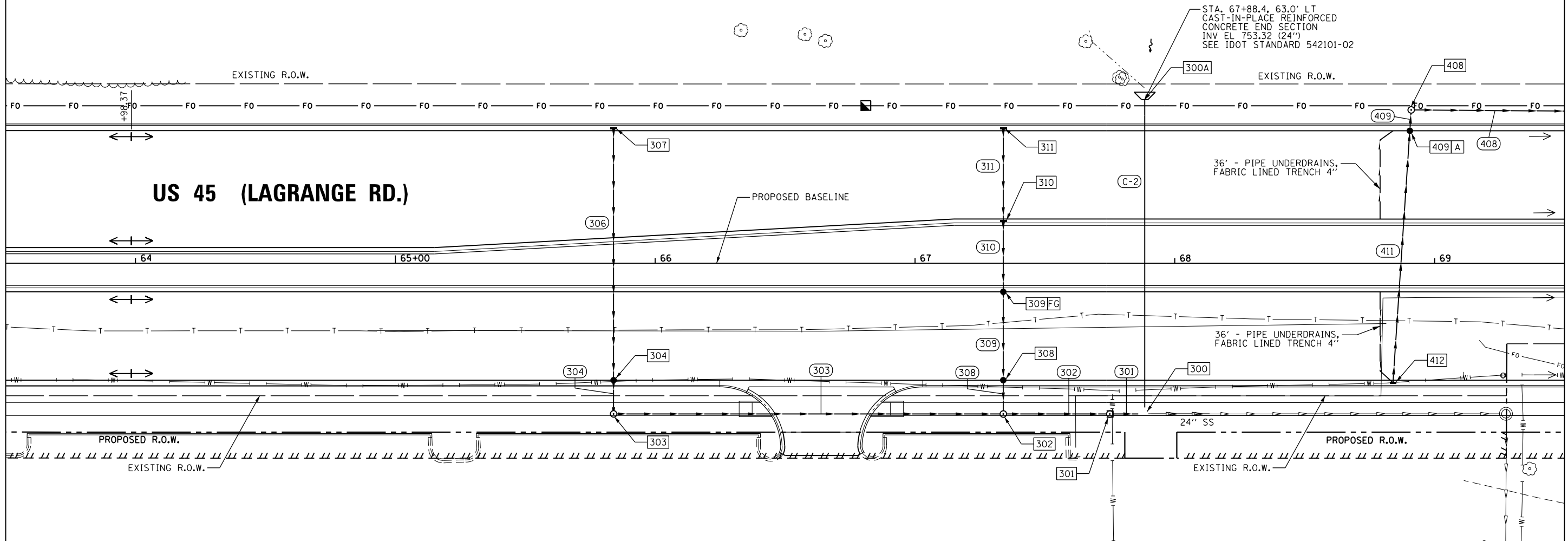
FILE NAME = D160F05-KEA-SHT-DRAINPR07.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
SHT.PLAN	PLOT SCALE = 40.0001' / in.	DRAWN - REW	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - JRS	REVISED -
		DATE - 03/13/13	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

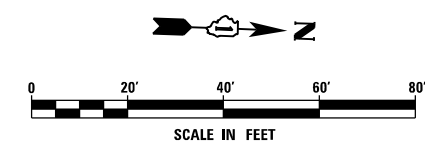
PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)  
SCALE: 1"=20' SHEET 7 OF 35 SHEETS STA. 57+50.00 TO STA. 63+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 298
DU-42			CONTRACT NO. 60F05	
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-42  
 MATCH LINE STA. 63+50.00



MATCH LINE STA. 69+50.00  
 SEE SHEET DU-44



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

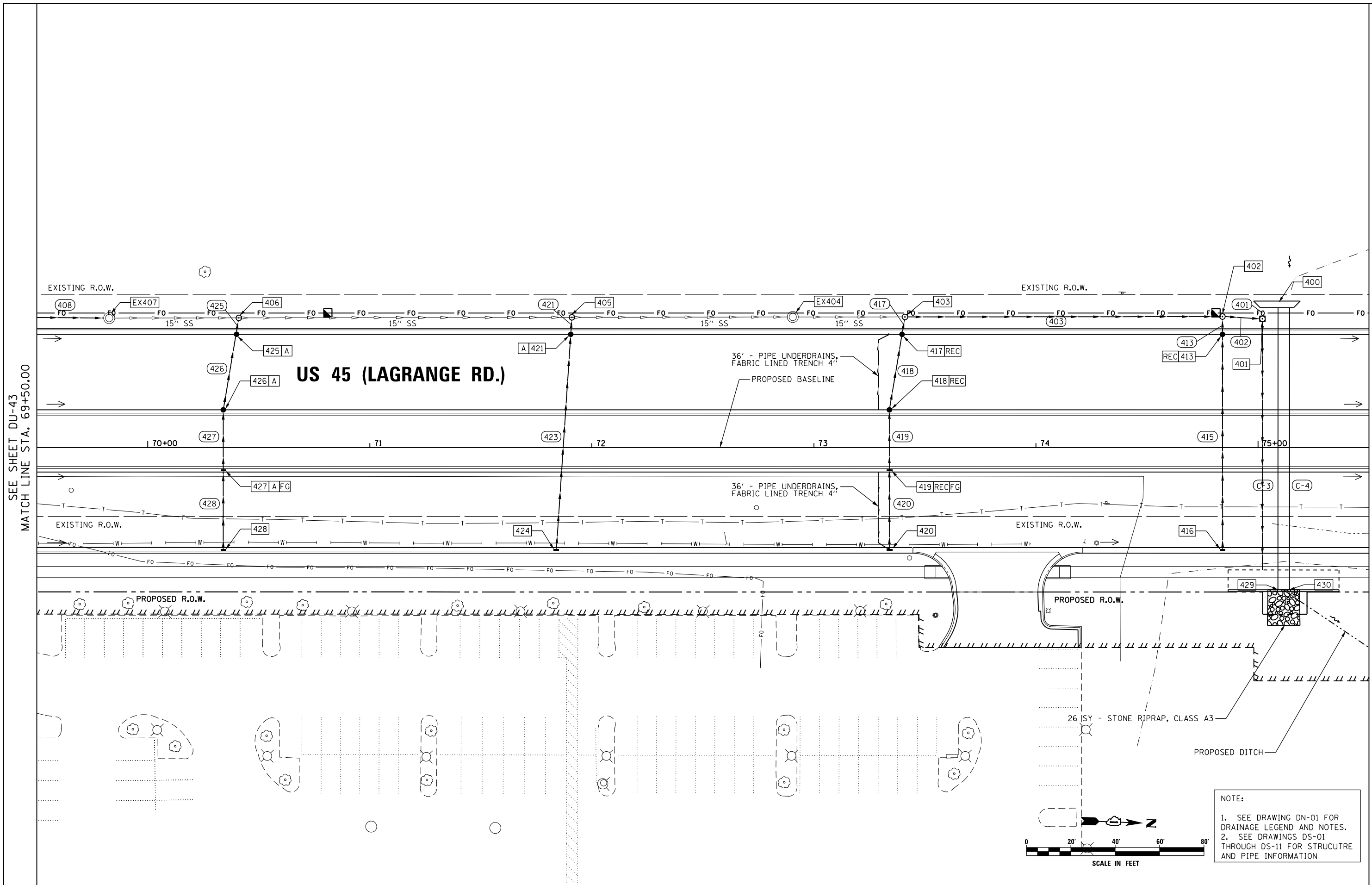
FILE NAME = D160F05-KEA-SHT-DRAINPR08.dgn	USER NAME = Anthony.Plutz	DESIGNED - MGS	REVISED -
		DRAWN - REW	REVISED -
	PLOT SCALE = 40.0001' / in.	CHECKED - JRS	REVISED -
SHT.PLAN	PLOT DATE = 3/13/2013	DATE - 03/13/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN - US 45 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 8 OF 35 SHEETS STA. 63+50.00 TO STA. 69+50.00

F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 299
<b>DU-43</b>			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 = D:\160F05-KEA-SHT-DRAINPR09.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 55 (LAGRANGE ROAD)**

SCALE: 1"=20' SHEET 9 OF 35 SHEETS STA. 69+50.00 TO STA. 75+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	300
<b>DU-44</b>			<b>CONTRACT NO. 60F05</b>	
ILLINOIS FED. AID PROJECT				

SEE SHEET DU-43  
MATCH LINE STA. 69+50.00

MATCH LINE STA. 75+50.00  
SEE SHEET DU-45