

**EROSION CONTROL AND LANDSCAPING LEGEND**

	DITCH CHECK TEMPORARY		TREE AND SHRUB/SEEDING, CLASS 4 AND SEEDING, CLASS 5 (SPECIAL)
	DITCH CHECK TEMPORARY FOR PRE-STAGE AND/OR STAGE 5		SEEDING, CLASS 4 AND SEEDING, CLASS 5 (SPECIAL)
	INLET & PIPE PROTECTION		SEEDING, CLASS 4B AND SEEDING, CLASS 5B
	IF INLET FILTER		TREE AND SHRUB/SEEDING, CLASS 4B AND SEEDING, CLASS 5B
	PERIMETER EROSION BARRIER		SEEDING CLASS 2A
	STONE RIP RAP		SODDING, SALT TOLERANT
	EROSION CONTROL BLANKET		TURF REINFORCEMENT MAT
	HEAVY DUTY EROSION CONTROL BLANKET		

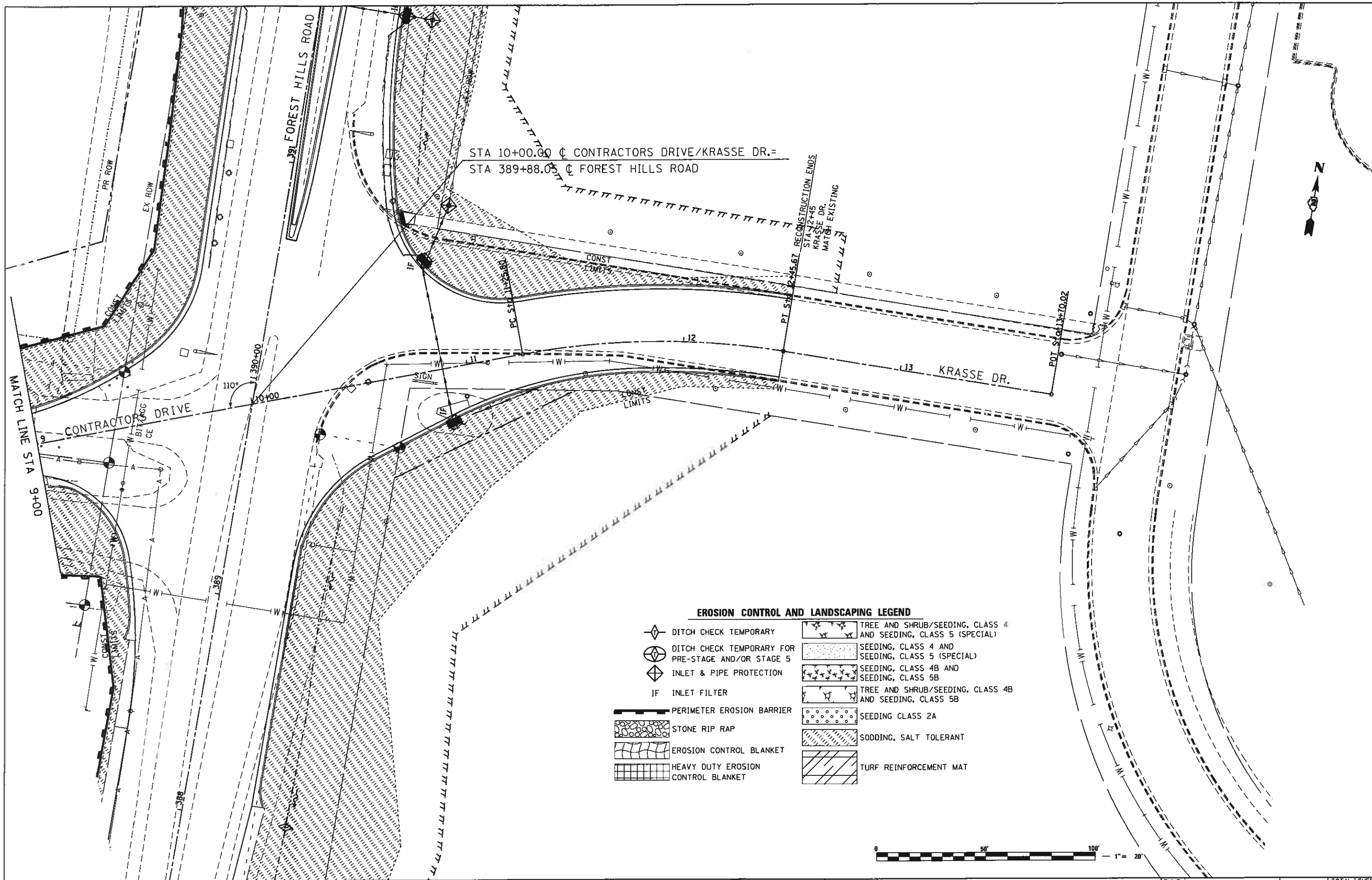


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	PLOT DATE = 4/23/2013 9:31:32 AM	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL AND LANDSCAPING PLANS CONTRACTORS DRIVE &amp; KRASSE DR.</b>			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 6+35 TO STA. 9+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	401
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



FILE NAME =  
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**THE UPCHURCH GROUP, INC.**

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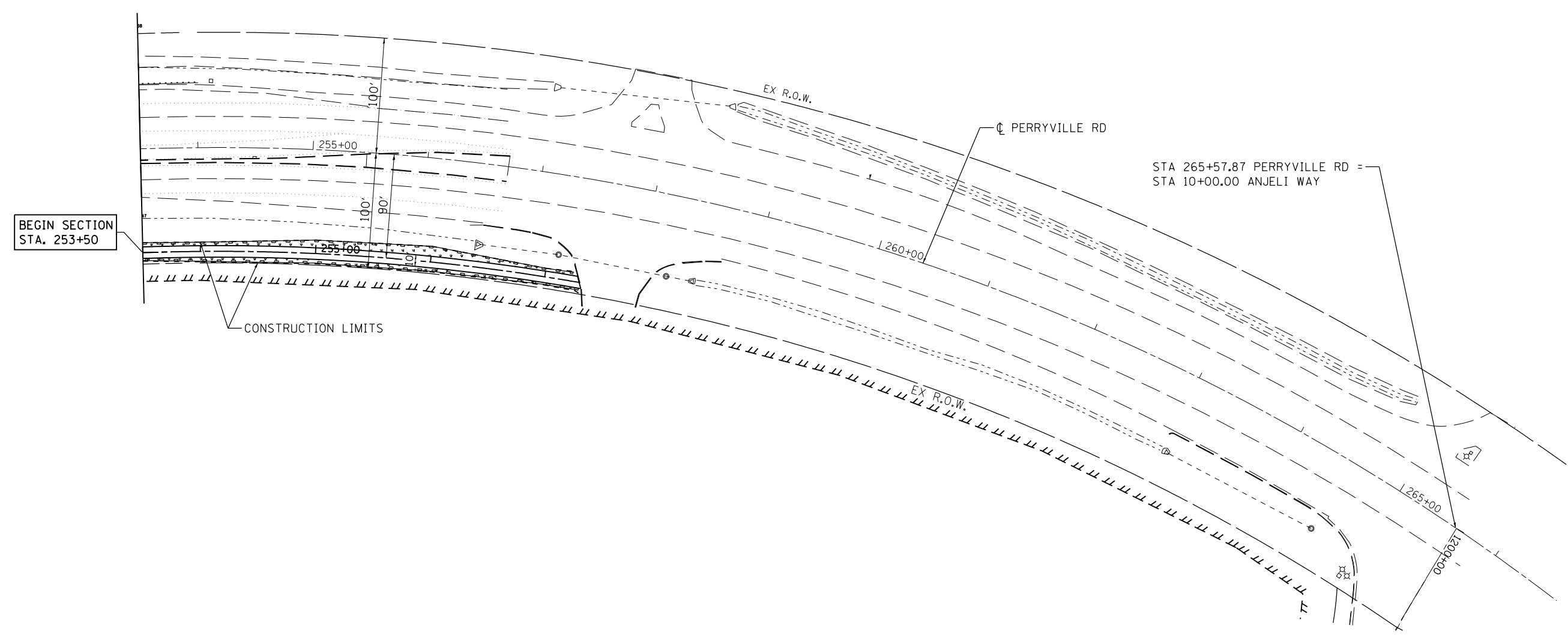
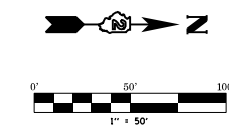
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**






**EROSION CONTROL AND LANDSCAPING PLANS**  
**CONTRACTORS DRIVE & KRASSE DR.**  
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 9+00 TO STA. 12+45

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	402
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 64988



**LEGEND**

-  TEMPORARY DITCH CHECK
-  PIPE & INLET PROTECTION
-  PERIMETER EROSION BARRIER
-  SEEDING, CLASS 1
-  SEEDING, CLASS 3



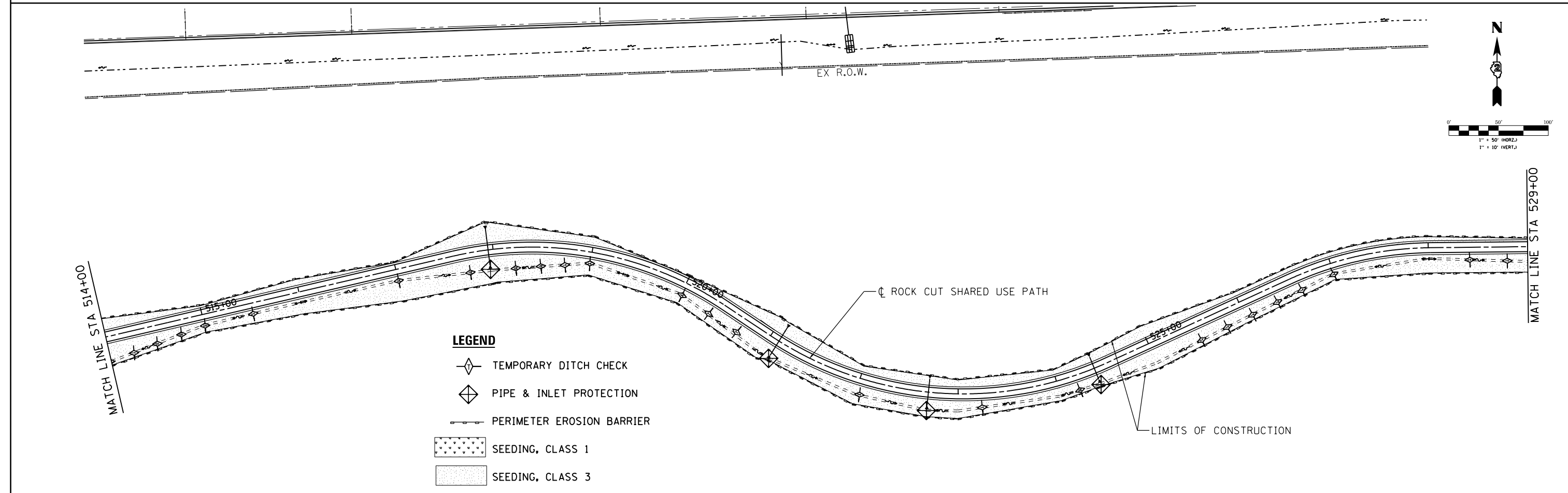
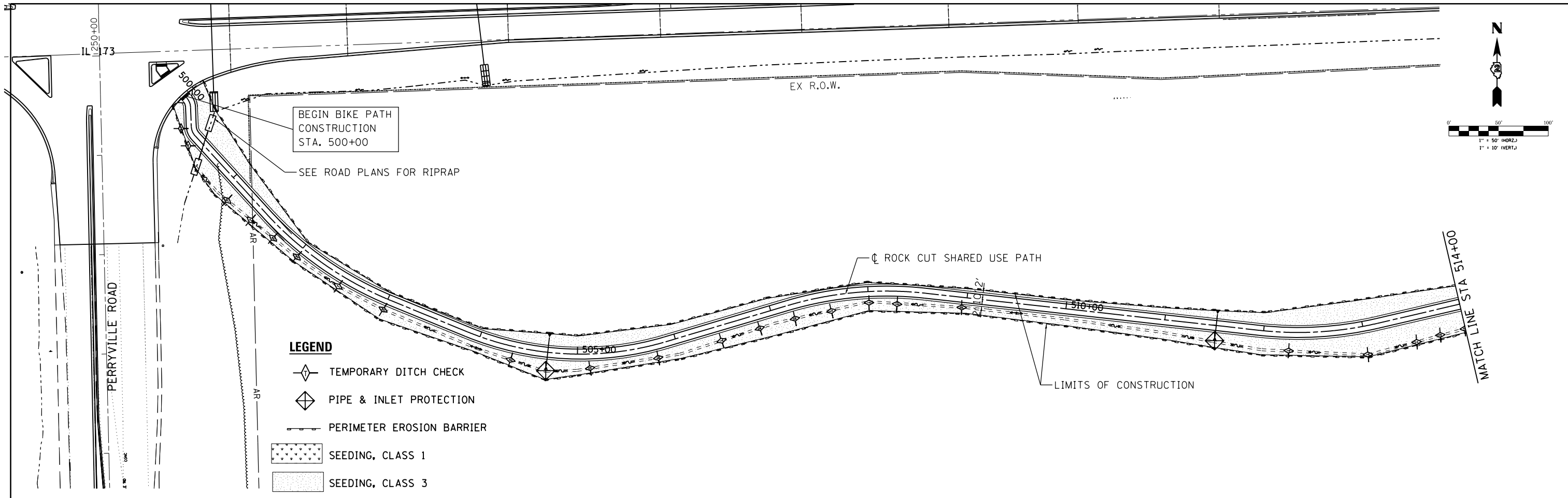
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

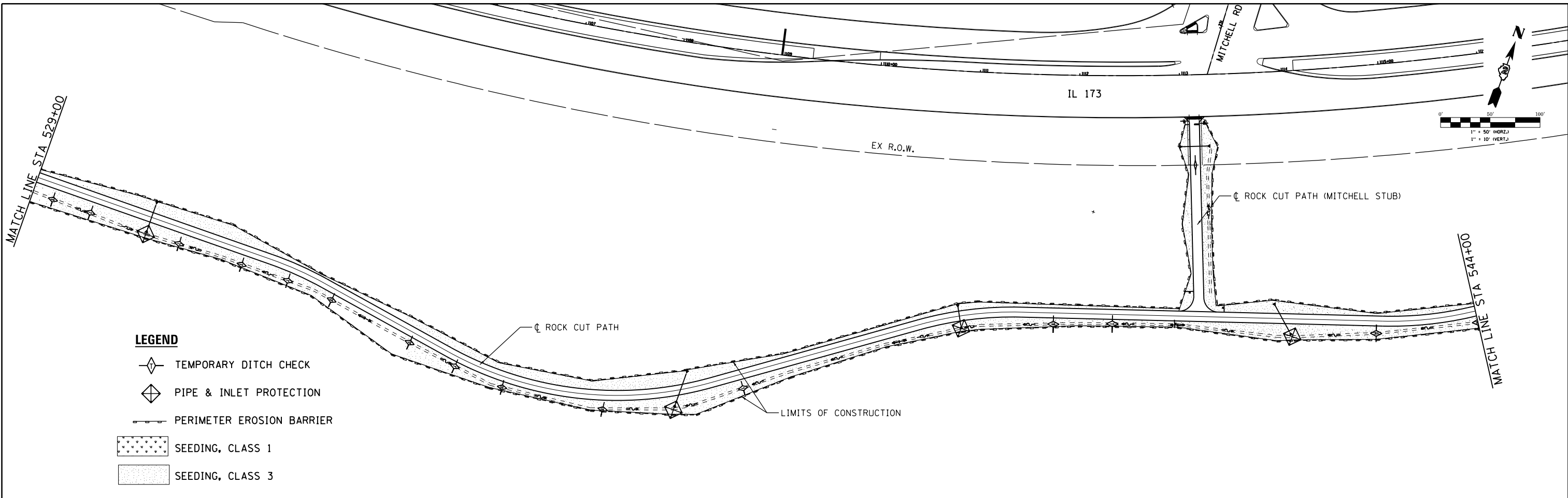
**EROSION CONTROL AND LANDSCAPING PLAN PERRYVILLE ROAD  
SHARED USE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	403
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

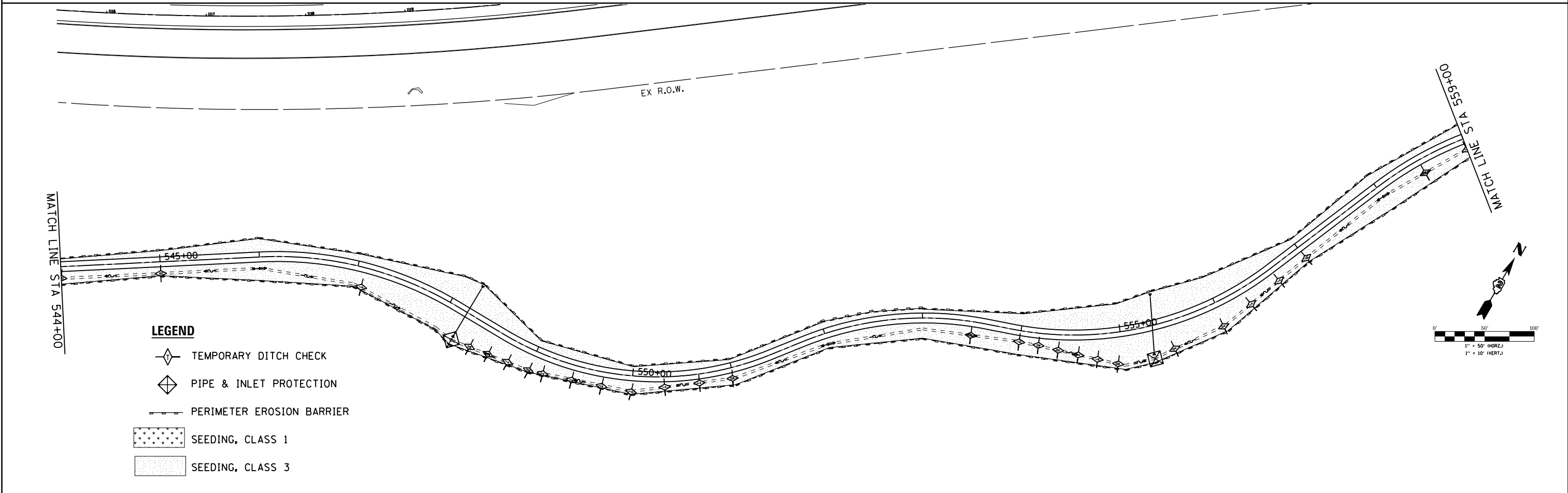
SCALE: SHEET NO. OF SHEETS STA. TO STA.



2852 South 11th Street Springfield, Illinois 62703	USER NAME = *USER*	DESIGNED - THW	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL AND LANDSCAPING PLAN - ROCK CUT</b> <b>SHARED USE PATH</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - THW	CHECKED - AJK	REVISED -					303	129R	WINNEBAGO	968	404
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PLOT DATE = *DATE*				SCALE:      SHEET NO.      OF      SHEETS      STA.      TO      STA.			ILLINOIS FED. AID PROJECT					



- LEGEND**
- TEMPORARY DITCH CHECK
  - PIPE & INLET PROTECTION
  - PERIMETER EROSION BARRIER
  - SEEDING, CLASS 1
  - SEEDING, CLASS 3



- LEGEND**
- TEMPORARY DITCH CHECK
  - PIPE & INLET PROTECTION
  - PERIMETER EROSION BARRIER
  - SEEDING, CLASS 1
  - SEEDING, CLASS 3



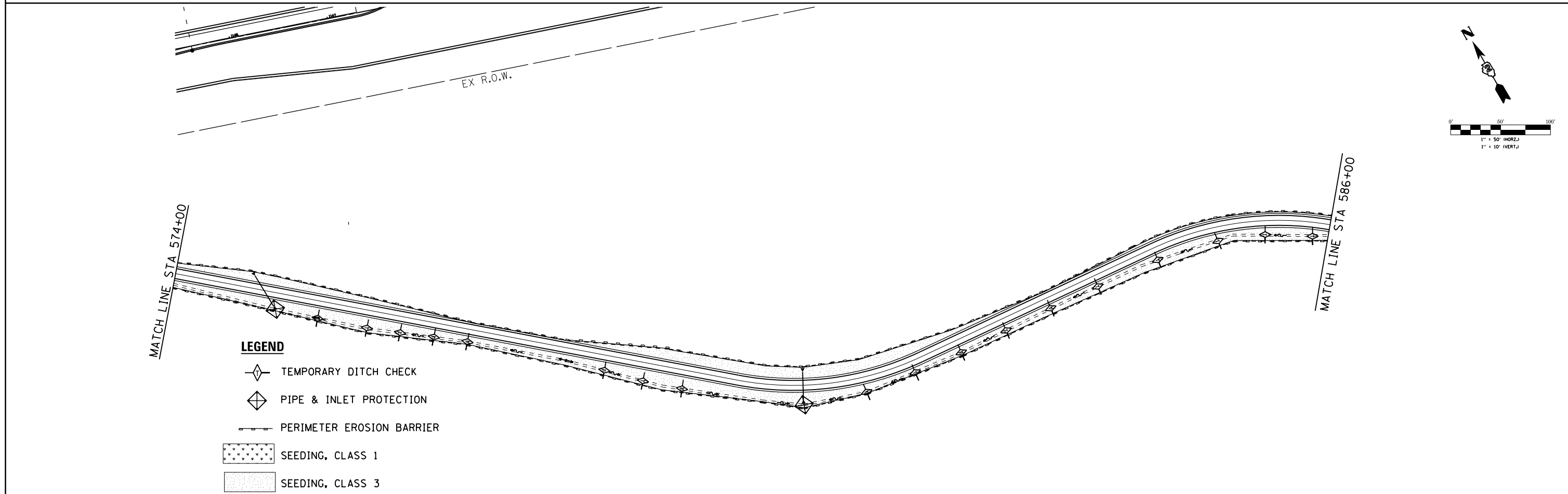
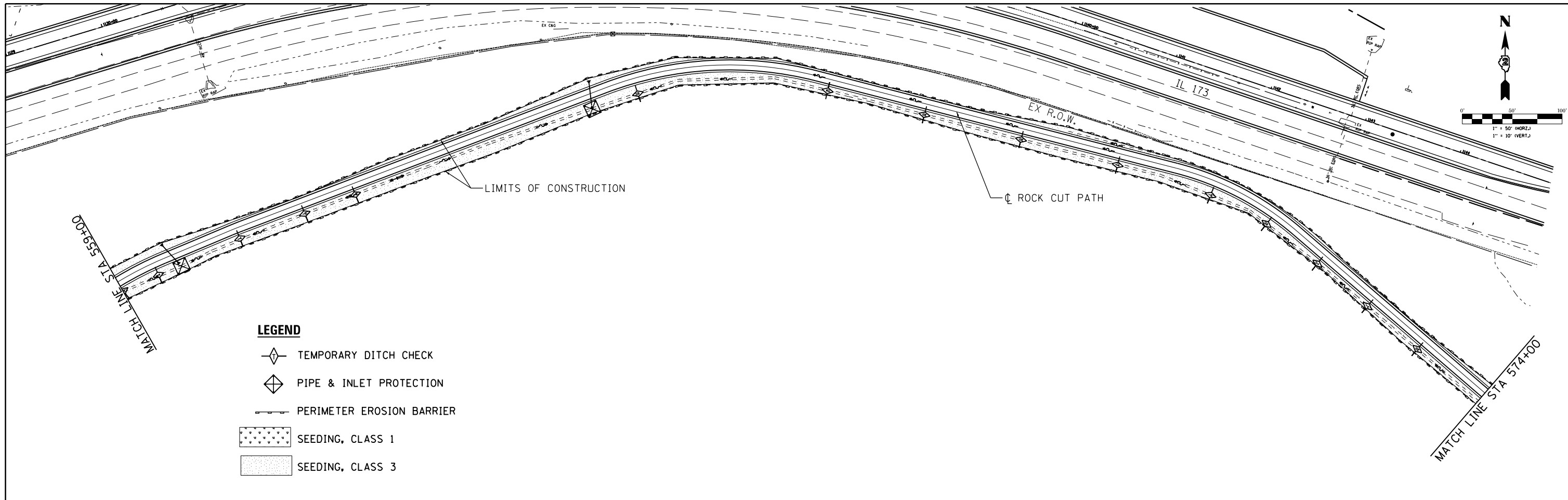
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN - ROCK CUT  
SHARED USE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	405
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

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



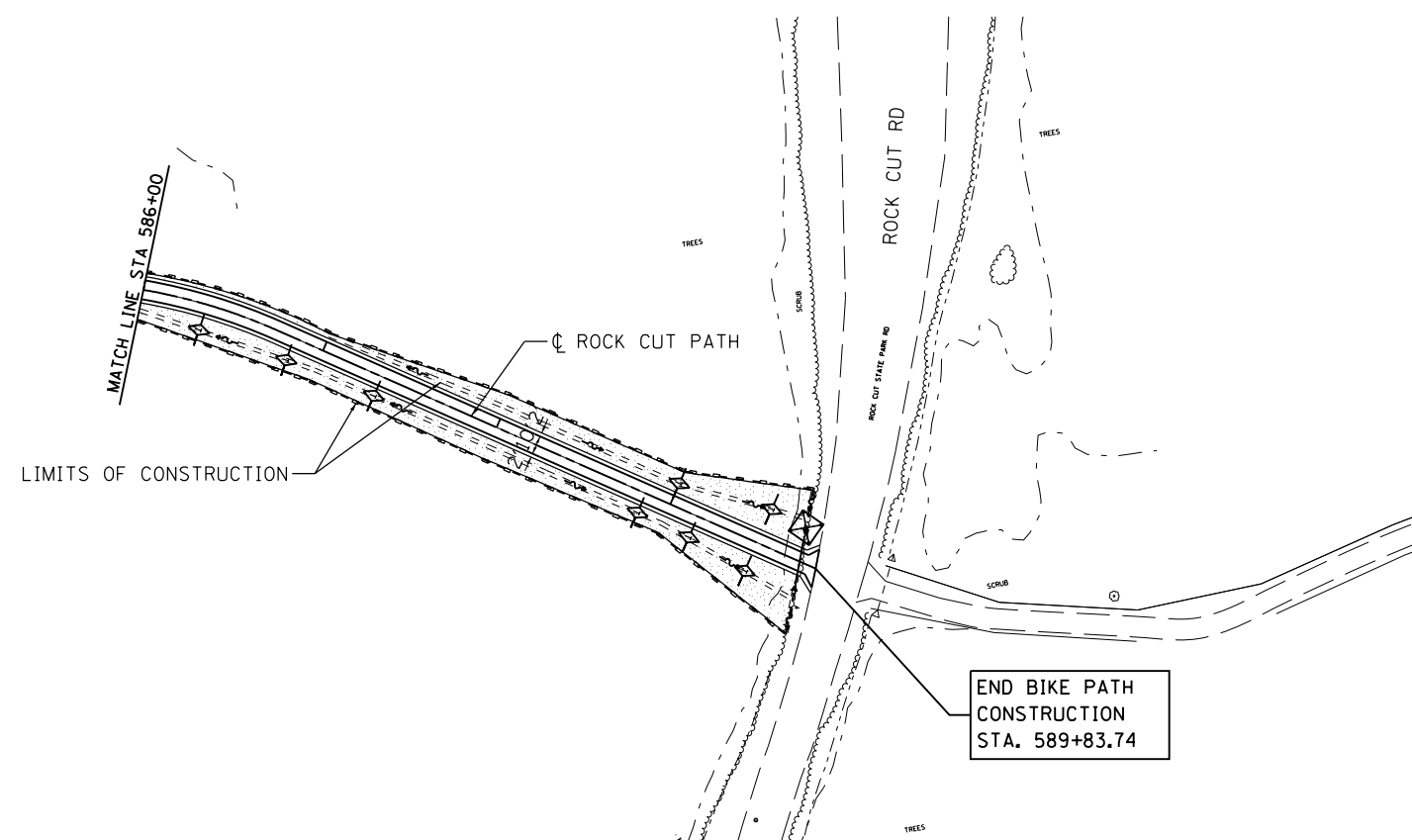
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PLOT DATE = \$DATE\$	DATE - 4.30 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**EROSION CONTROL AND LANDSCAPING PLAN - ROCK CUT  
SHARED USE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	406
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

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



**LEGEND**

-  TEMPORARY DITCH CHECK
-  PIPE & INLET PROTECTION
-  PERIMETER EROSION BARRIER
-  SEEDING, CLASS 1
-  SEEDING, CLASS 3



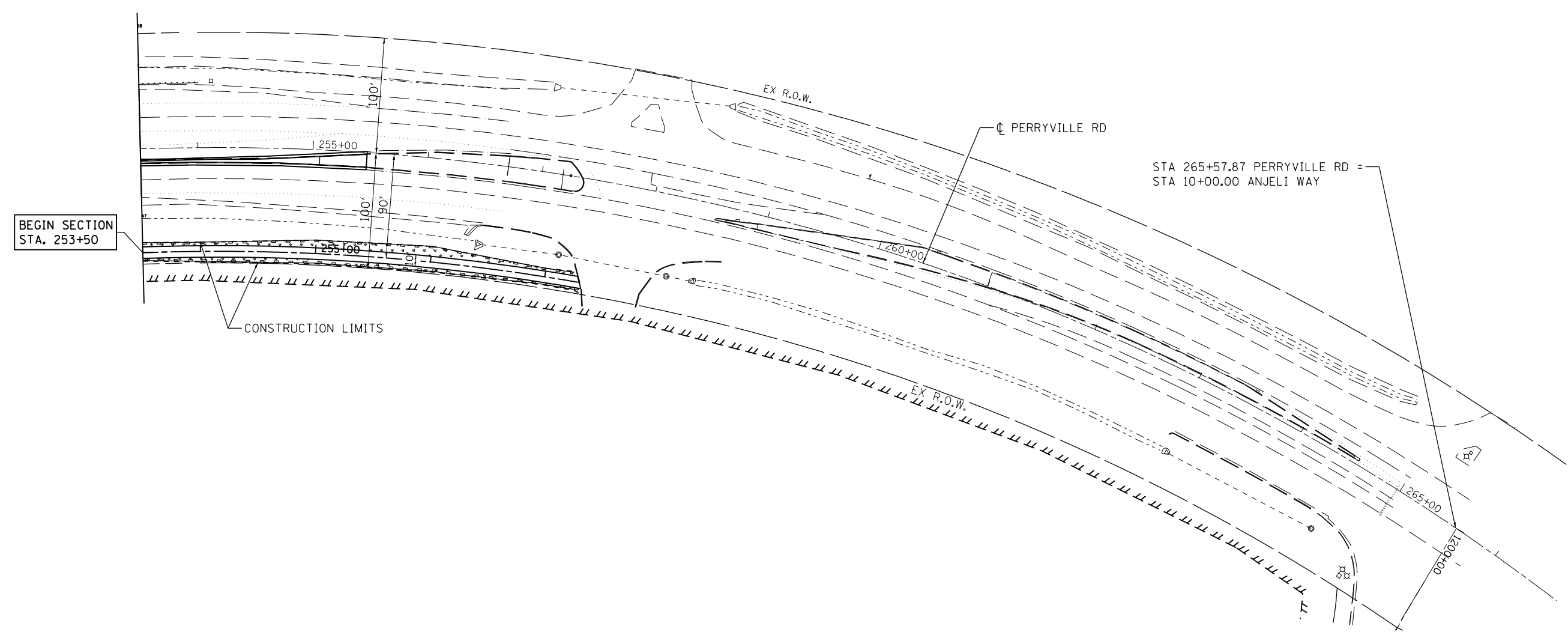
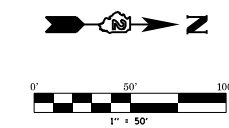
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**EROSION CONTROL AND LANDSCAPING PLAN – ROCK CUT  
SHARED USE PATH**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	407
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



**LEGEND**

-  TEMPORARY DITCH CHECK
-  PIPE & INLET PROTECTION
-  PERIMETER EROSION BARRIER
-  SEEDING, CLASS 1
-  SEEDING, CLASS 3



USER NAME = \$USER*	DESIGNED - THW	REVISED -
	DRAWN - THW	REVISED -
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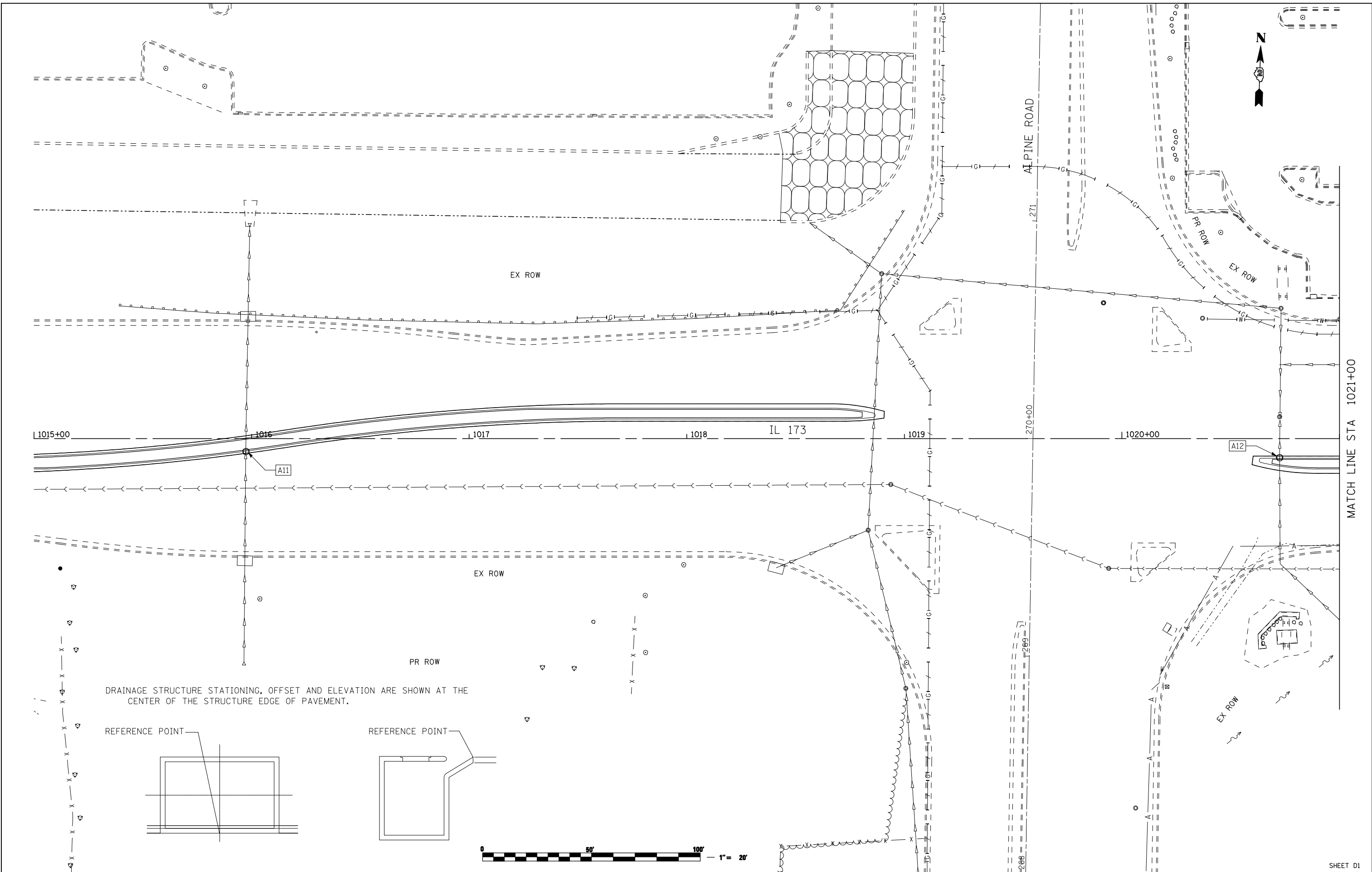
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN PERRYVILLE ROAD  
SHARED USE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	408
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

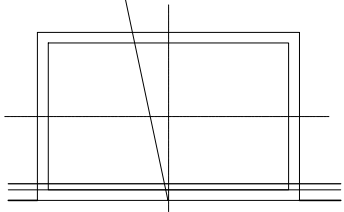
SCALE: SHEET NO. OF SHEETS STA. TO STA.



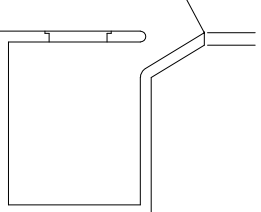


DRAINAGE STRUCTURE STATIONING, OFFSET AND ELEVATION ARE SHOWN AT THE CENTER OF THE STRUCTURE EDGE OF PAVEMENT.

REFERENCE POINT



REFERENCE POINT



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**THE UPCHURCH GROUP, INC.**

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DESIGNED - MJS  
DRAWN - RMH  
CHECKED - RLH  
DATE - APRIL 30, 2013

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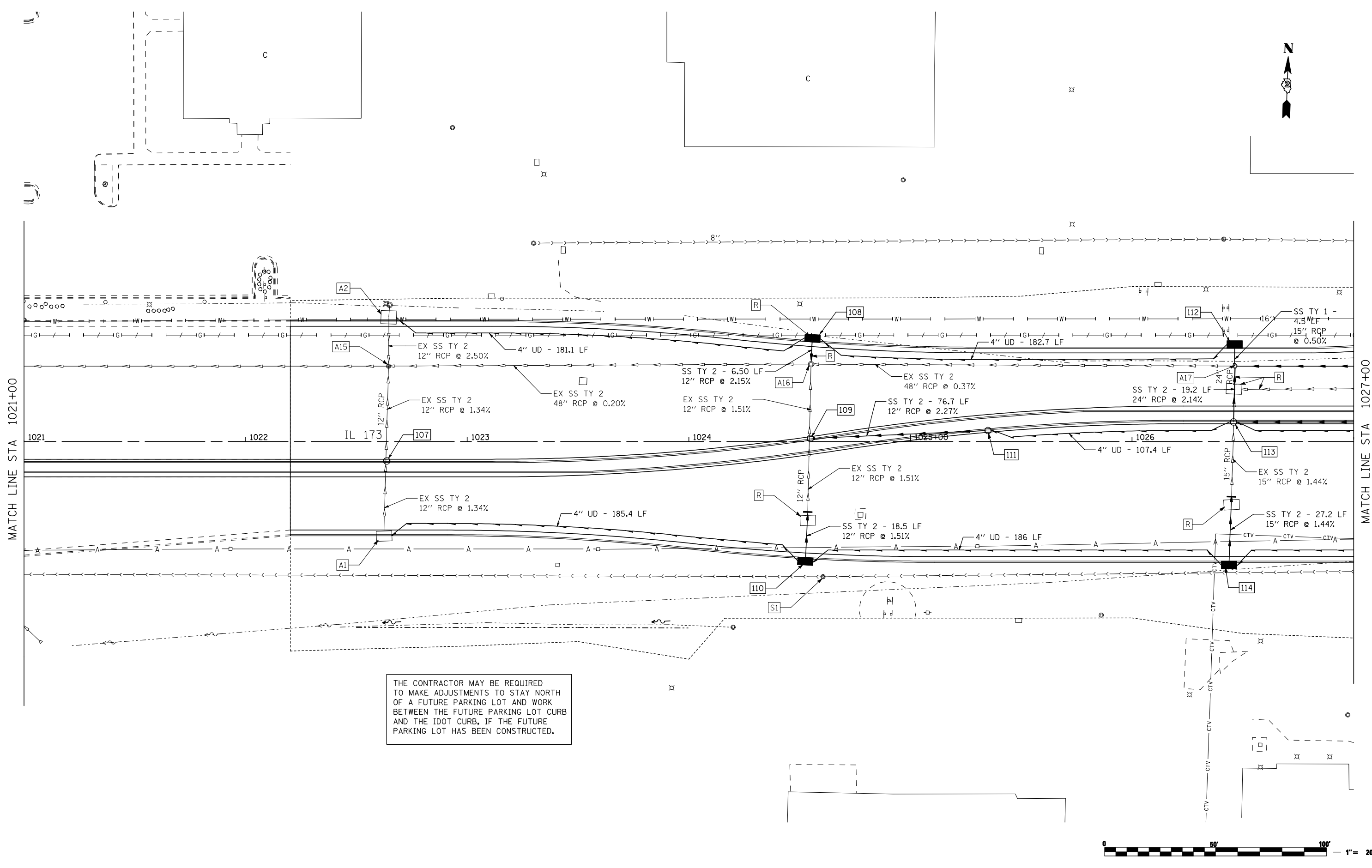
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**  
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1015+00 TO STA. 1021+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	409
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D1

MATCH LINE STA 1021+00

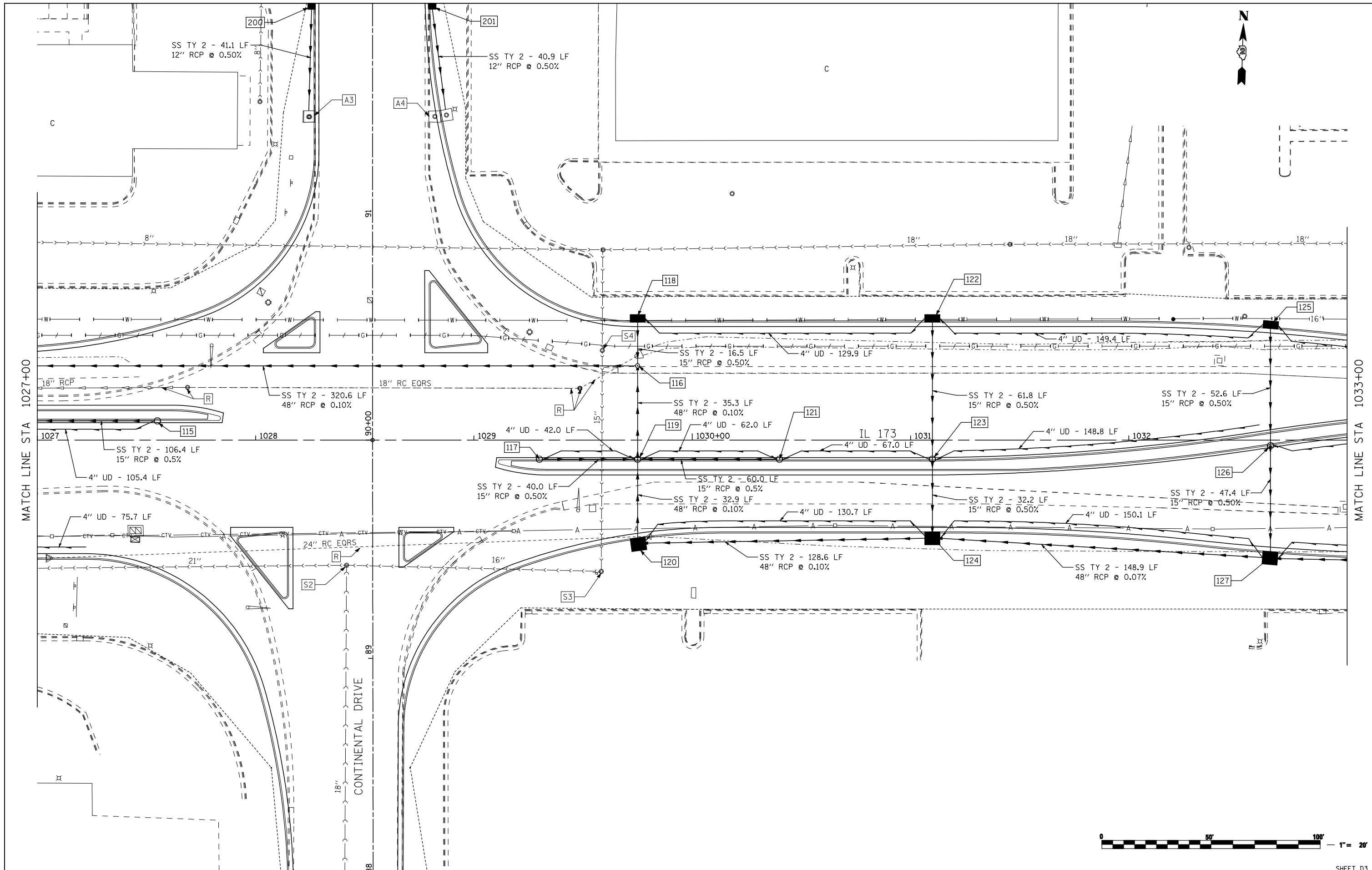


THE CONTRACTOR MAY BE REQUIRED TO MAKE ADJUSTMENTS TO STAY NORTH OF A FUTURE PARKING LOT AND WORK BETWEEN THE FUTURE PARKING LOT CURB AND THE IDOT CURB, IF THE FUTURE PARKING LOT HAS BEEN CONSTRUCTED.



FILE NAME = ...\\CADD SHEETS\Z00793DRPLN02.dgn <b>THE UPCHURCH GROUP, INC.</b>	USER NAME = Elgin 110	DESIGNED - MJS DRAWN - RMH	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS          IL 173 FROM ALPINE ROAD TO I-90</b>	F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 410
	PLOT SCALE = 40.0000' / IN. PLOT DATE = 5/6/2013 1:45:32 PM	CHECKED - RLH DATE - APRIL 30, 2013	SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1021+00 TO STA. 1027+00			ILLINOIS FED. AID PROJECT				

SHEET D2



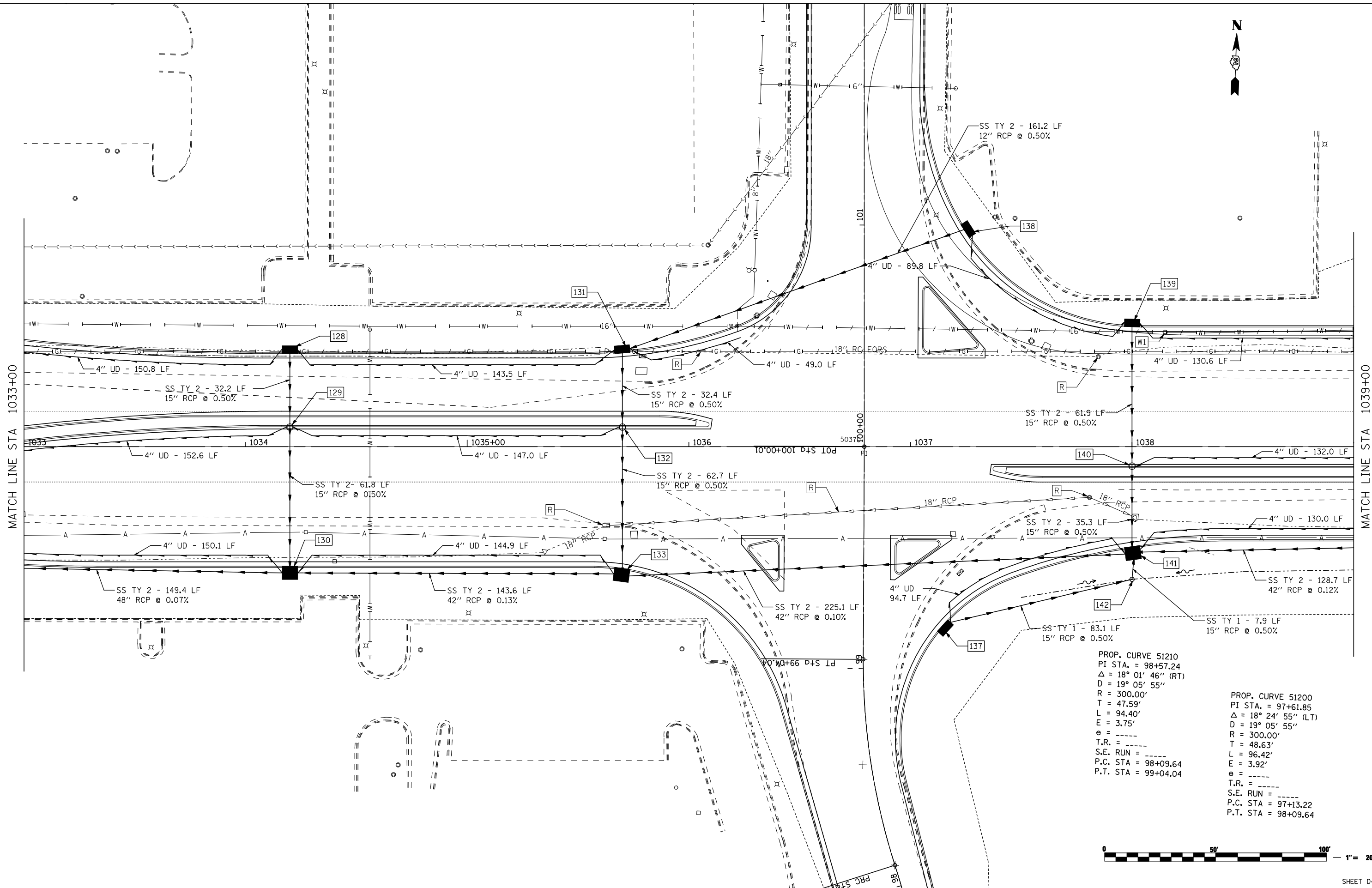
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		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1027+00    TO STA. 1033+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	411
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



PROP. CURVE 51210  
 PI STA. = 98+57.24  
 $\Delta = 18^\circ 01' 46''$  (RT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 47.59'  
 L = 94.40'  
 E = 3.75'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 98+09.64  
 P.T. STA = 99+04.04

PROP. CURVE 51200  
 PI STA. = 97+61.85  
 $\Delta = 18^\circ 24' 55''$  (LT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 48.63'  
 L = 96.42'  
 E = 3.92'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 97+13.22  
 P.T. STA = 98+09.64



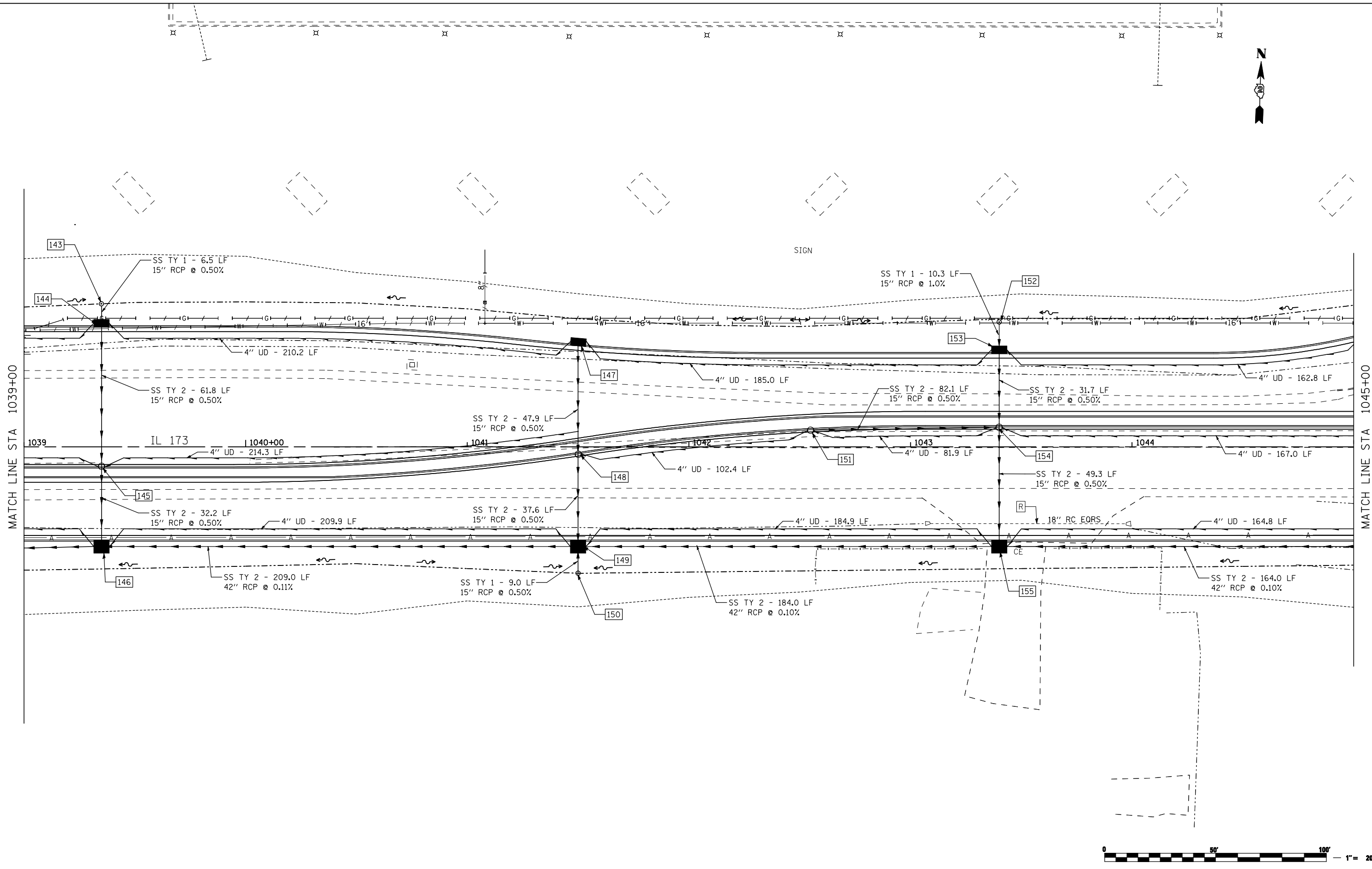
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		DATE - APRIL 30, 2013	REVISED -

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

<b>DRAINAGE AND UTILITY PLANS</b>			
<b>IL 173 FROM ALPINE ROAD TO I-90</b>			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1033+00 TO STA. 1039+00	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 412
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D4



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PLOT DATE = 5/1/2013 2:01:28 PM			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

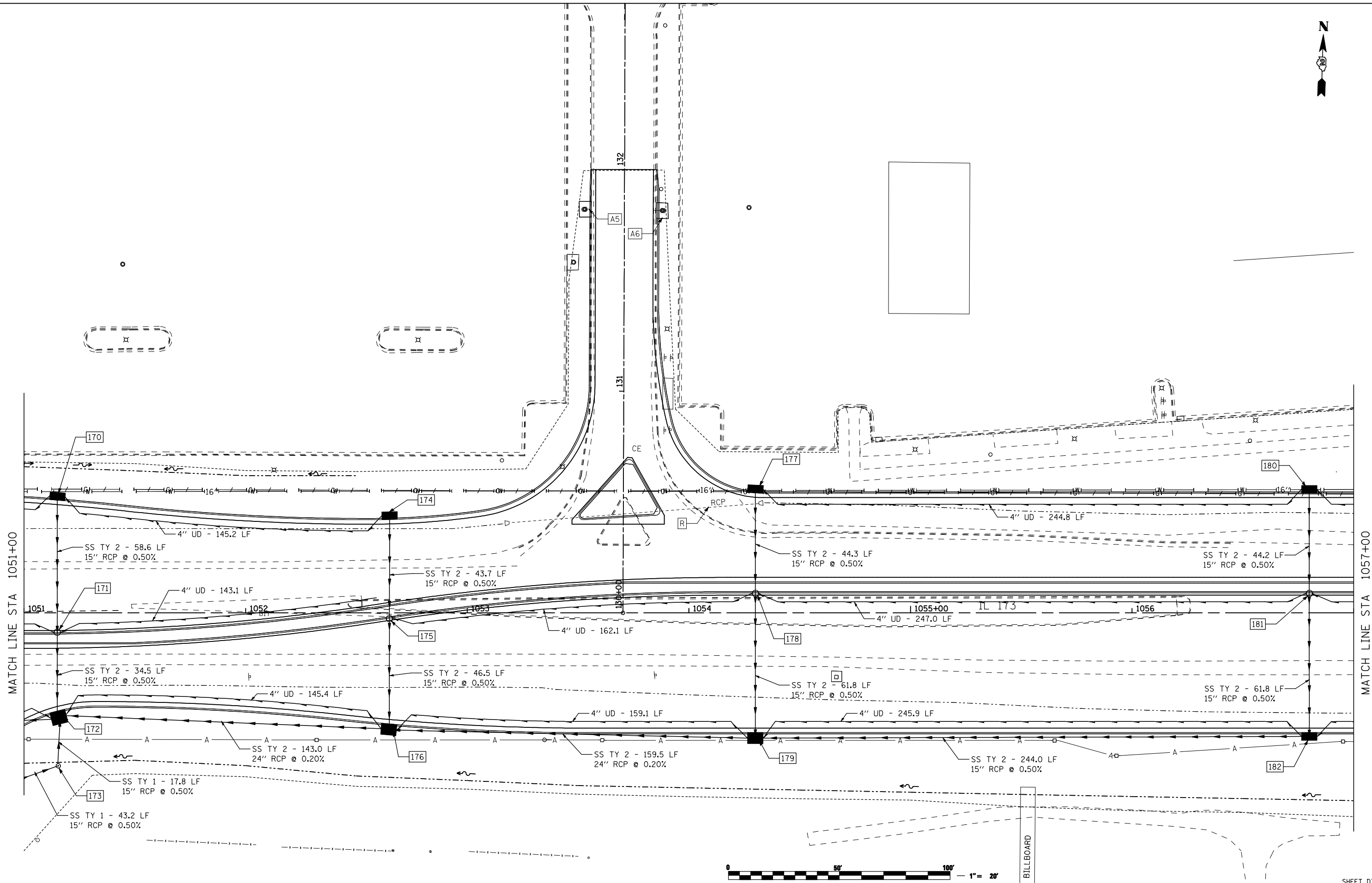
SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1039+00    TO STA. 1045+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	413
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D5

**THE UPCHURCH GROUP, INC.**





BILLBOARD

FILE NAME =  
 ...\\CADD SHEETS\200793DRPLN07.dgn  
**THE UPCHURCH GROUP, INC.**

USER NAME = Elgin 110  
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DESIGNED - MJS  
 DRAWN - RMH  
 CHECKED - RLH  
 DATE - APRIL 30, 2013

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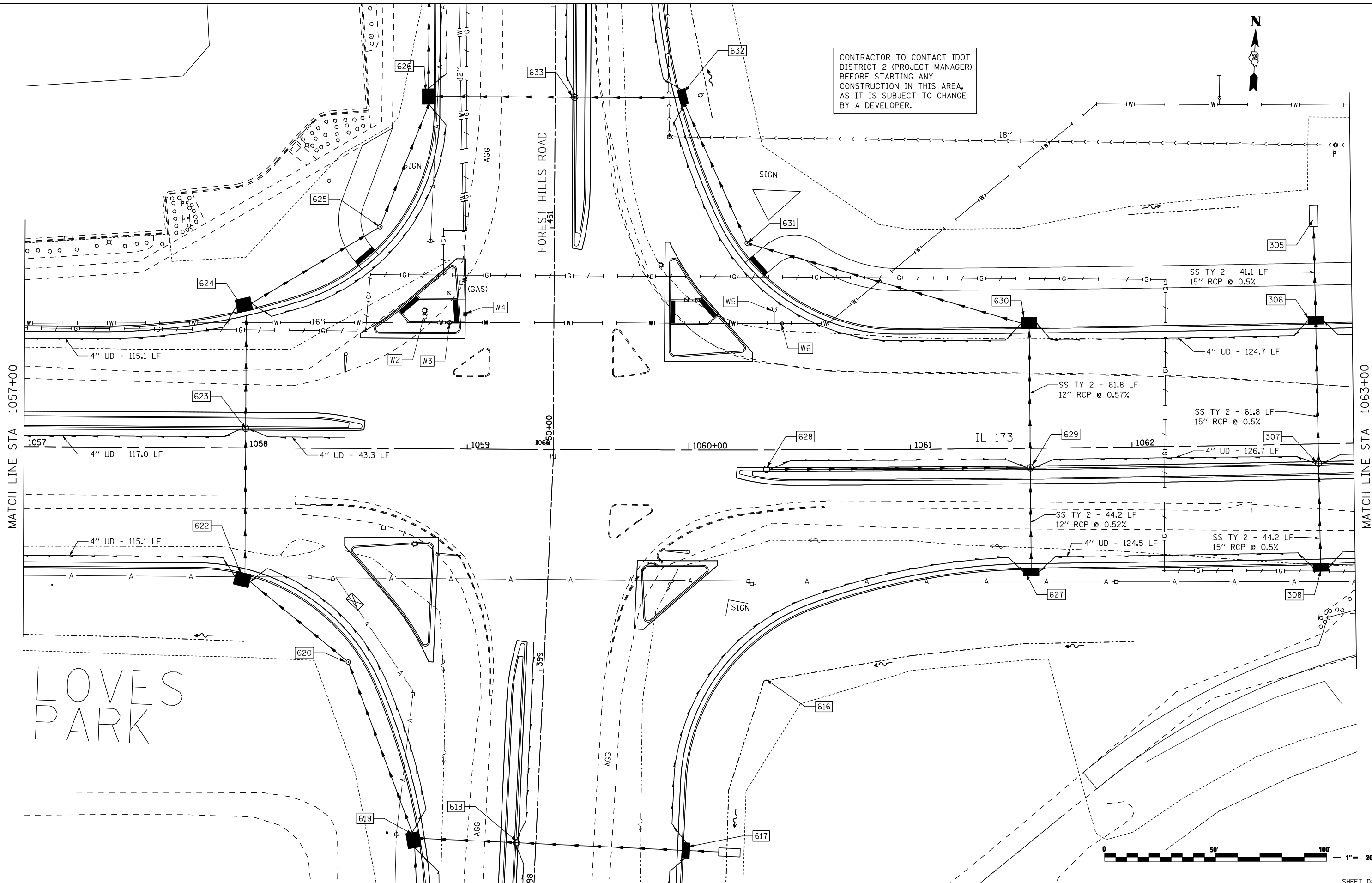
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
 IL 173 FROM ALPINE ROAD TO I-90**  
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1051+00 TO STA. 1057+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	415
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D7

CONTRACTOR TO CONTACT IDOT DISTRICT 2 (PROJECT MANAGER) BEFORE STARTING ANY CONSTRUCTION IN THIS AREA, AS IT IS SUBJECT TO CHANGE BY A DEVELOPER.



LOVES PARK



FILE NAME = ...\\CADD SHEETS\Z00793DRPLN08.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
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PLOT DATE = 5/7/2013 8:33:46 AM			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

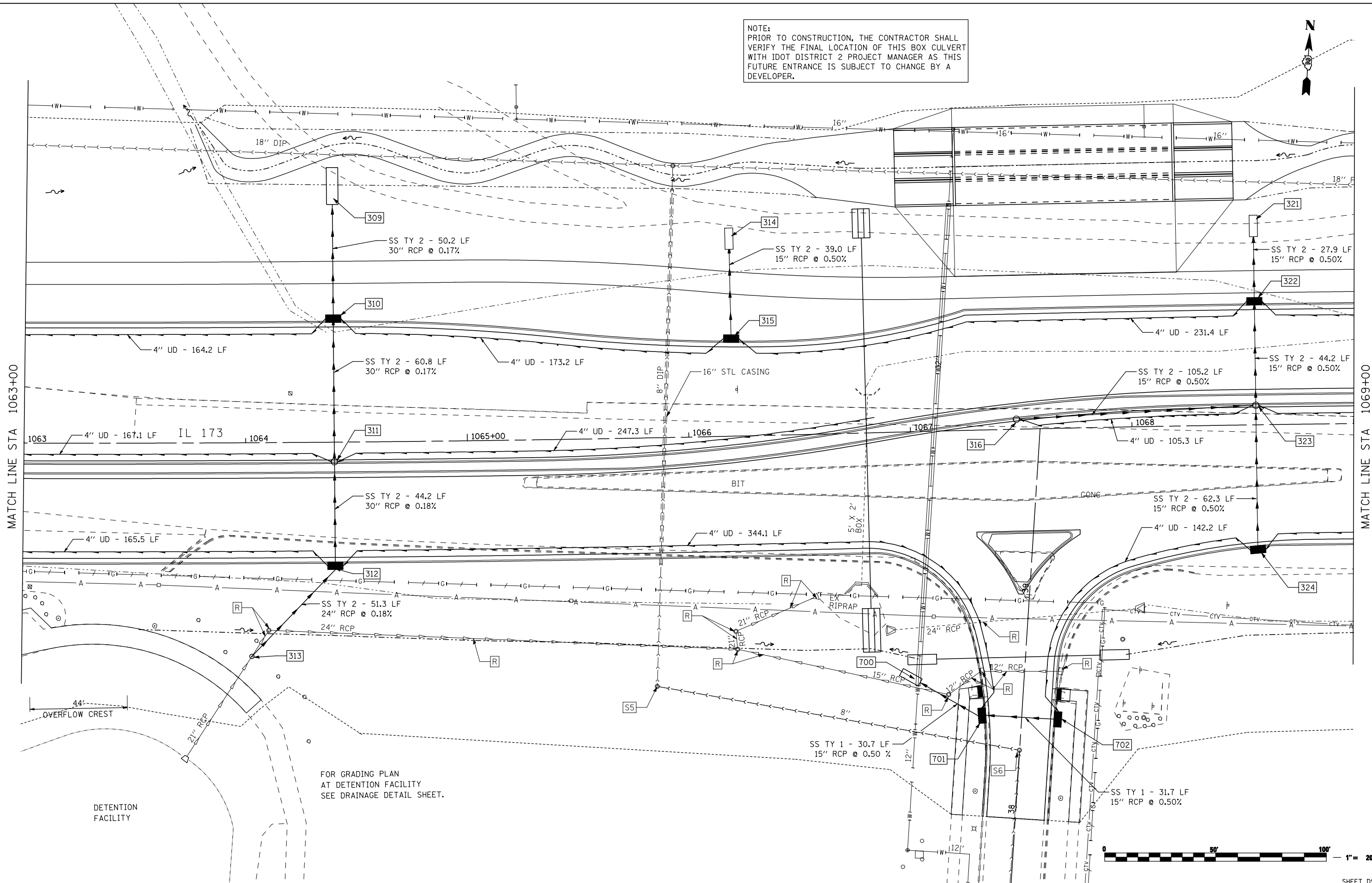
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1057+00 TO STA. 1063+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	416
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D8



NOTE:  
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL  
VERIFY THE FINAL LOCATION OF THIS BOX CULVERT  
WITH IDOT DISTRICT 2 PROJECT MANAGER AS THIS  
FUTURE ENTRANCE IS SUBJECT TO CHANGE BY A  
DEVELOPER.



FOR GRADING PLAN  
AT DETENTION FACILITY  
SEE DRAINAGE DETAIL SHEET.

FILE NAME =  
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**THE UPCHURCH GROUP, INC.**

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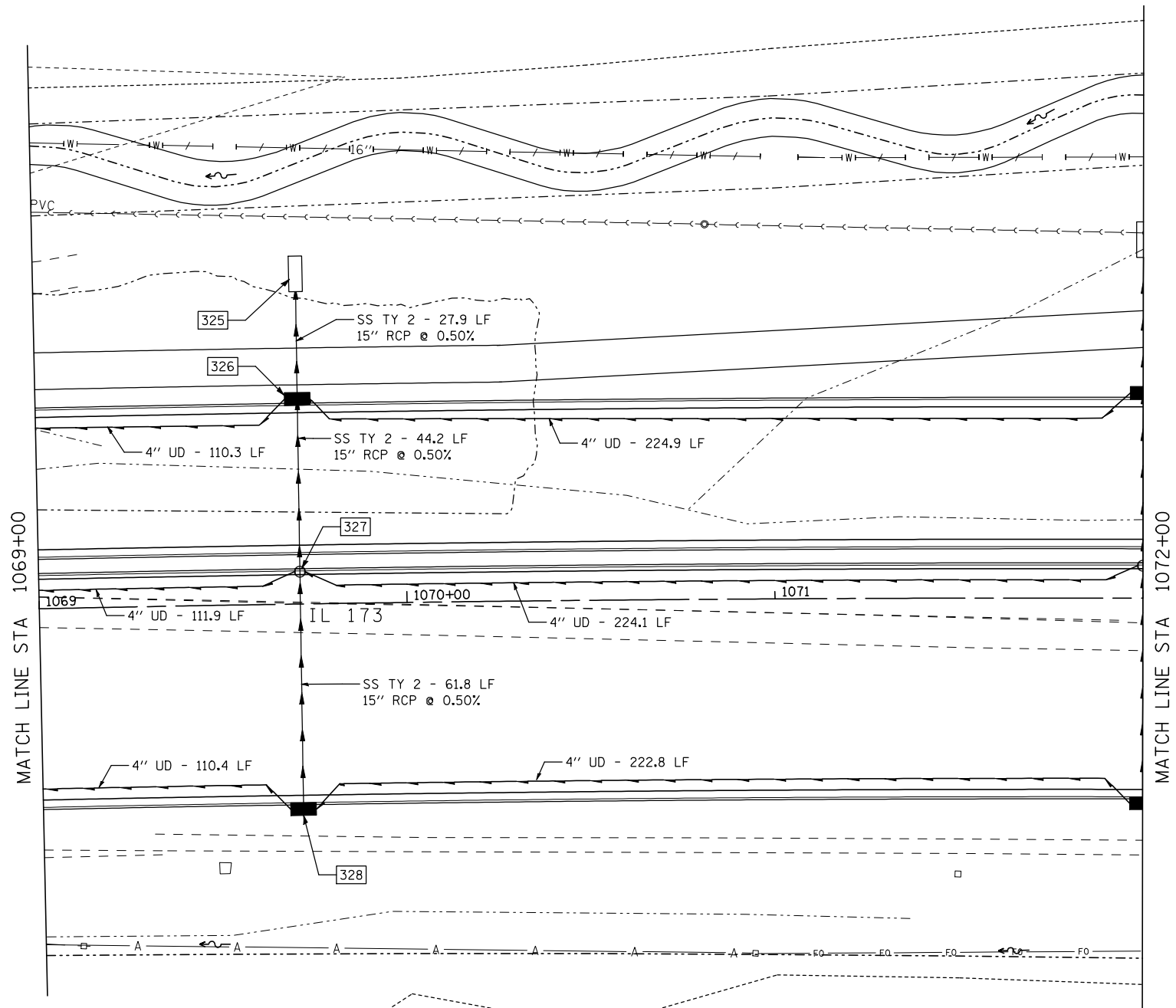
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**  
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1063+00 TO STA. 1069+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	417
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D9



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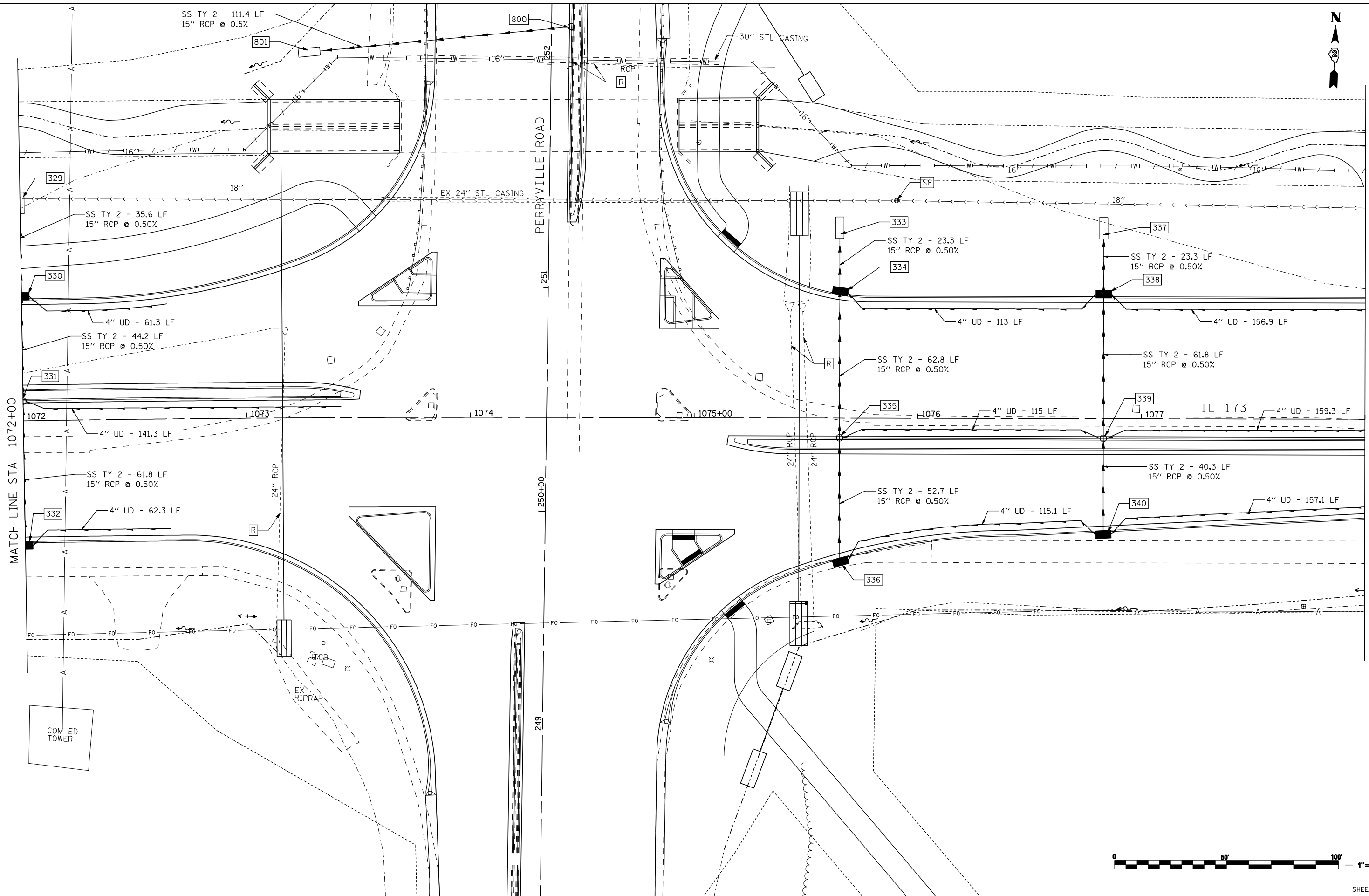
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE AND UTILITY PLANS IL 173 FROM ALPINE ROAD TO I-90</b>			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1069+00 TO STA. 1072+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	418
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

SHEET D10

**THE UPCHURCH GROUP, INC.**



MATCH LINE STA 1072+00

MATCH LINE STA 1078+00



FILE NAME = ...load sheets\200793DRPLN11.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

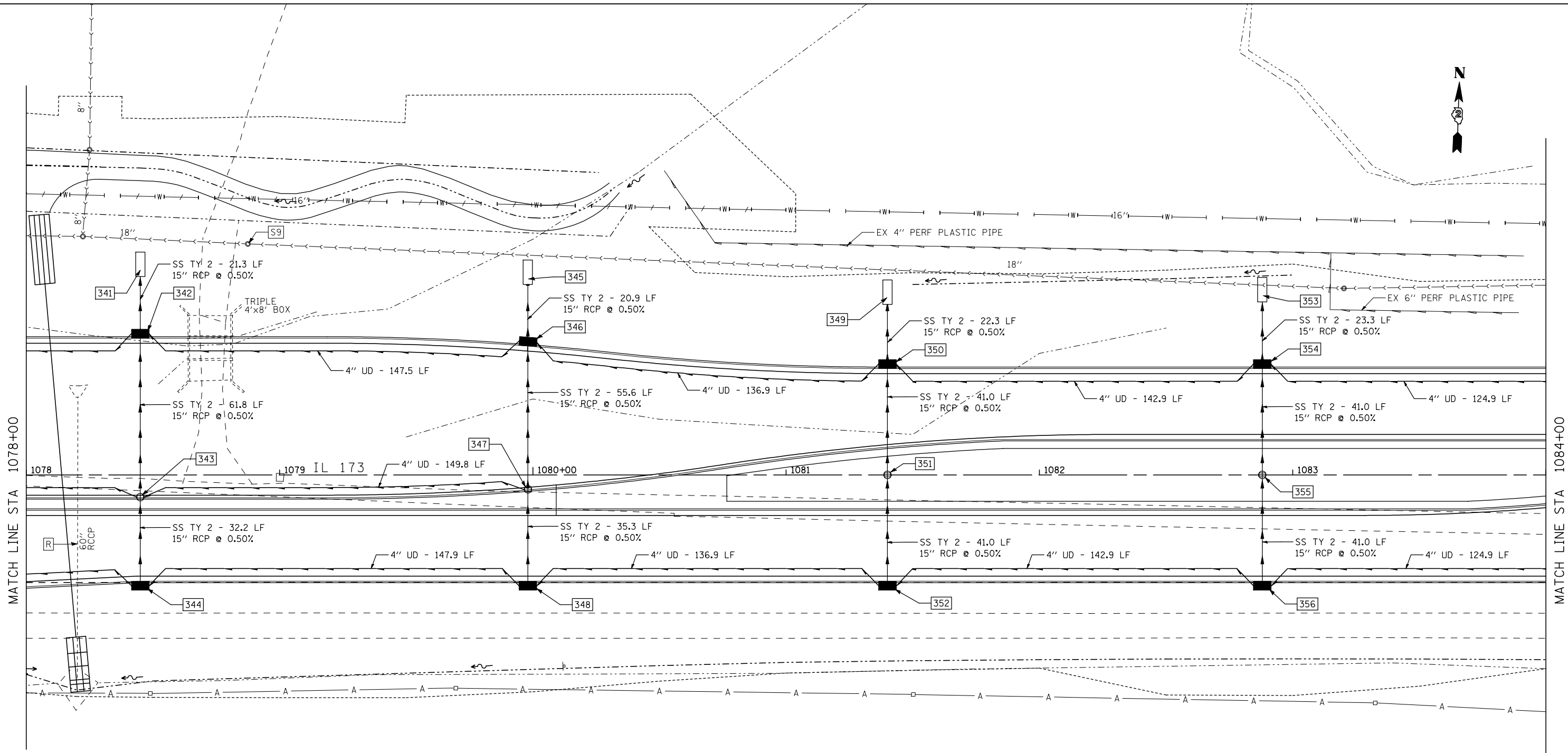
**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1072+00    TO STA. 1078+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	419
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D11

**THE UPCHURCH GROUP, INC.**



MATCH LINE STA 1078+00

MATCH LINE STA 1084+00



FILE NAME = ...load sheets\200793DRPLN12.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
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PLOT DATE = 5/1/2013 2:02:01 PM			

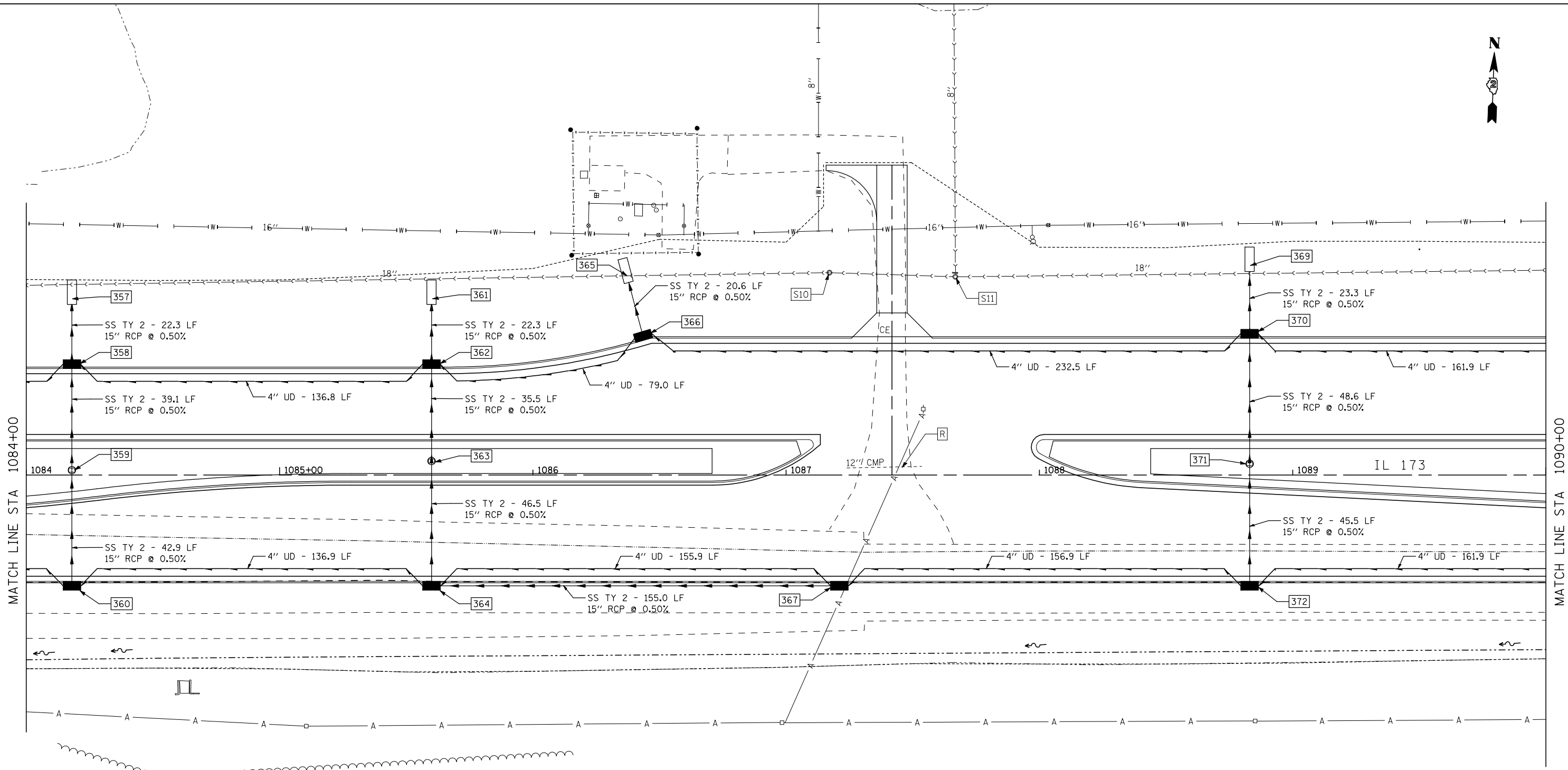
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1078+00    TO STA. 1084+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	420
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	

SHEET D12



MATCH LINE STA 1084+00

MATCH LINE STA 1090+00



SHEET D13

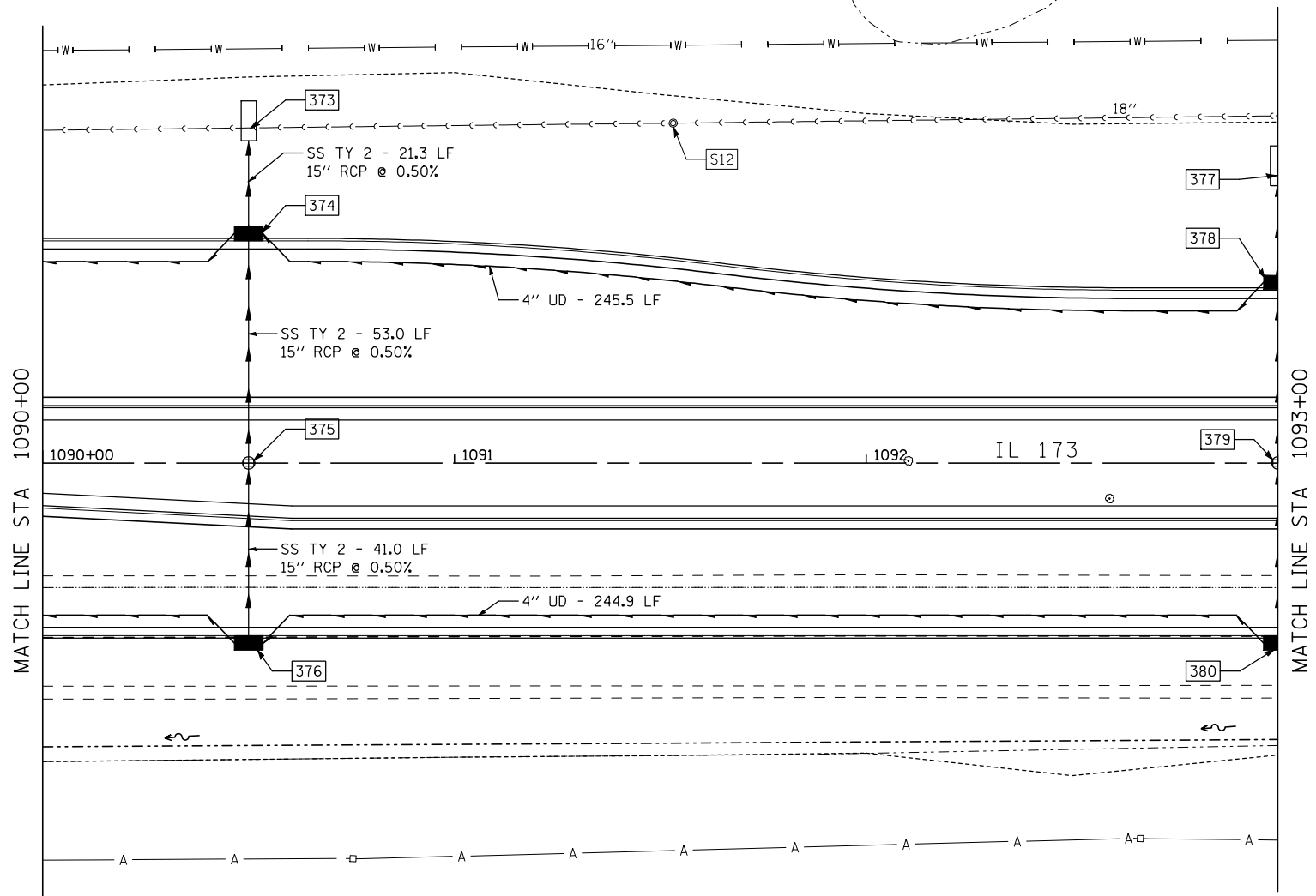
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PLOT DATE = 5/1/2013 2:02:04 PM			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	421
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1084+00 TO STA. 1090+00



FILE NAME = ...load sheets\200793DRPLN14.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
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	PLOT DATE = 5/1/2013 2:02:07 PM	DATE - APRIL 30, 2013	REVISED -

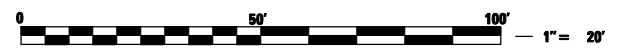
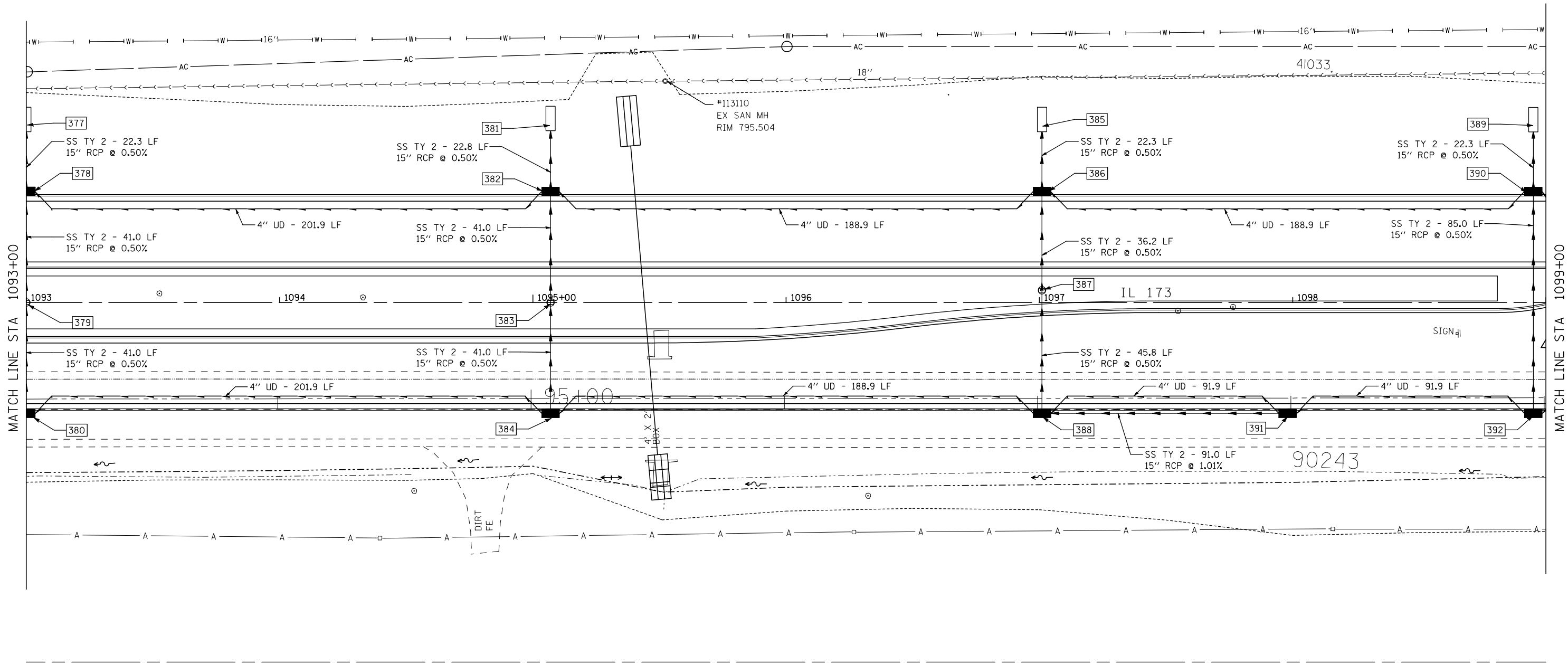
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1090+00    TO STA. 1093+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	422
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D14



FILE NAME = ...load sheets\200793DRPLN15.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
THE UPCHURCH GROUP, INC.	PLOT SCALE = 40.0000' / IN.	DRAWN - RMH	REVISED -
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		DATE - APRIL 30, 2013	REVISED -

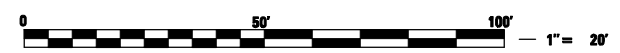
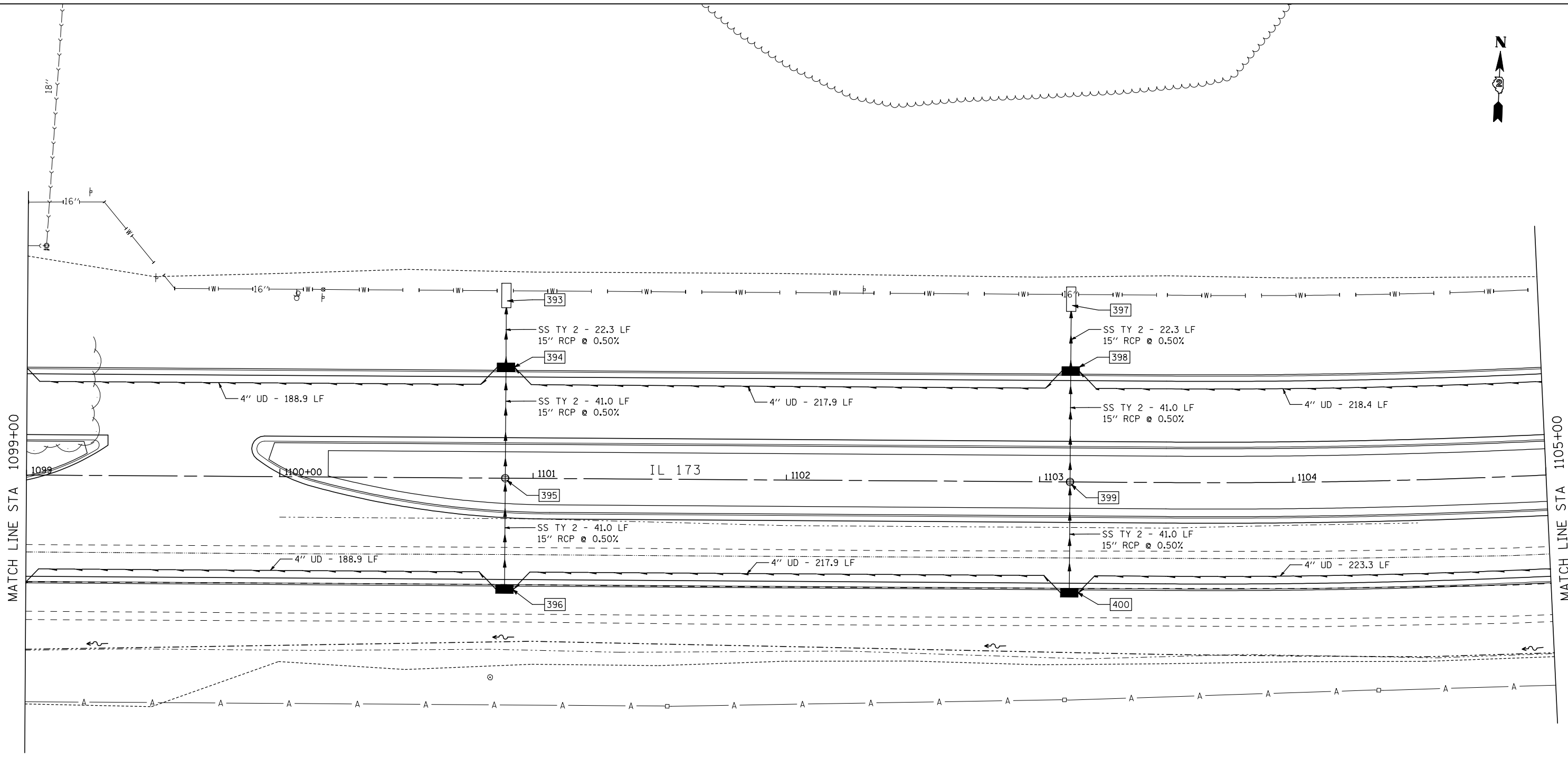
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1093+00    TO STA. 1099+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	423
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D15



FILE NAME = ...load sheets\200793DRPLN16.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
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		DATE - APRIL 30, 2013	REVISED -
<b>THE UPCHURCH GROUP, INC.</b>	PLOT DATE = 5/1/2013 2:02:15 PM		

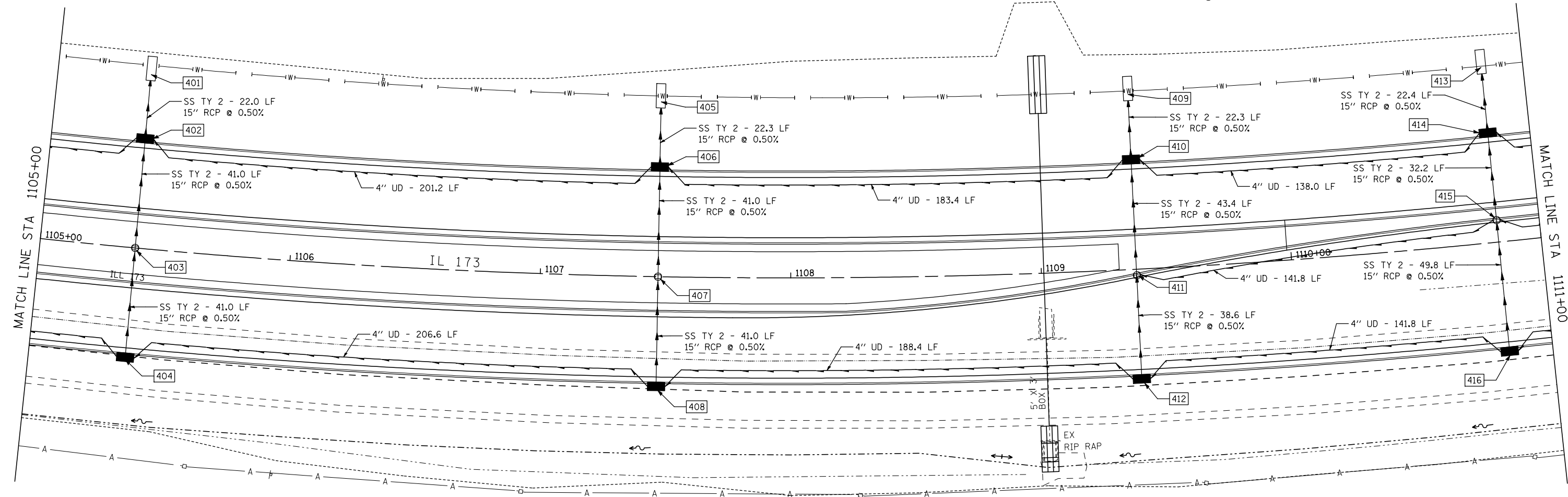
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1099+00    TO STA. 1105+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	424
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				





SHEET D17

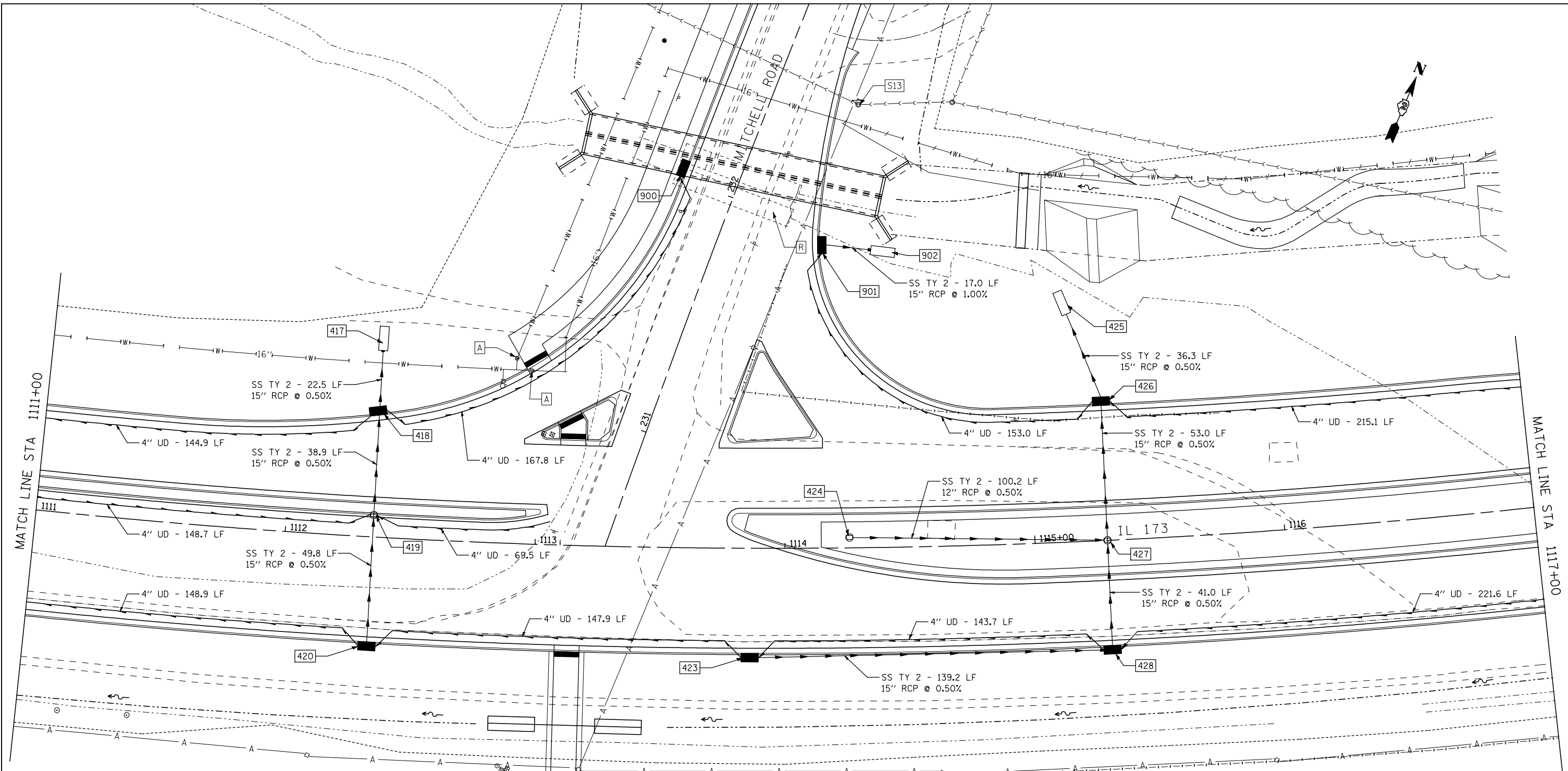
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		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 40.0000' / IN. PLOT DATE = 5/1/2013 2:02:17 PM		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1105+00    TO STA. 1111+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	425
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 1111+00

MATCH LINE STA 1117+00



FILE NAME = ...load sheets\200793DRPLN18.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
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PLOT DATE = 5/1/2013 2:02:25 PM			

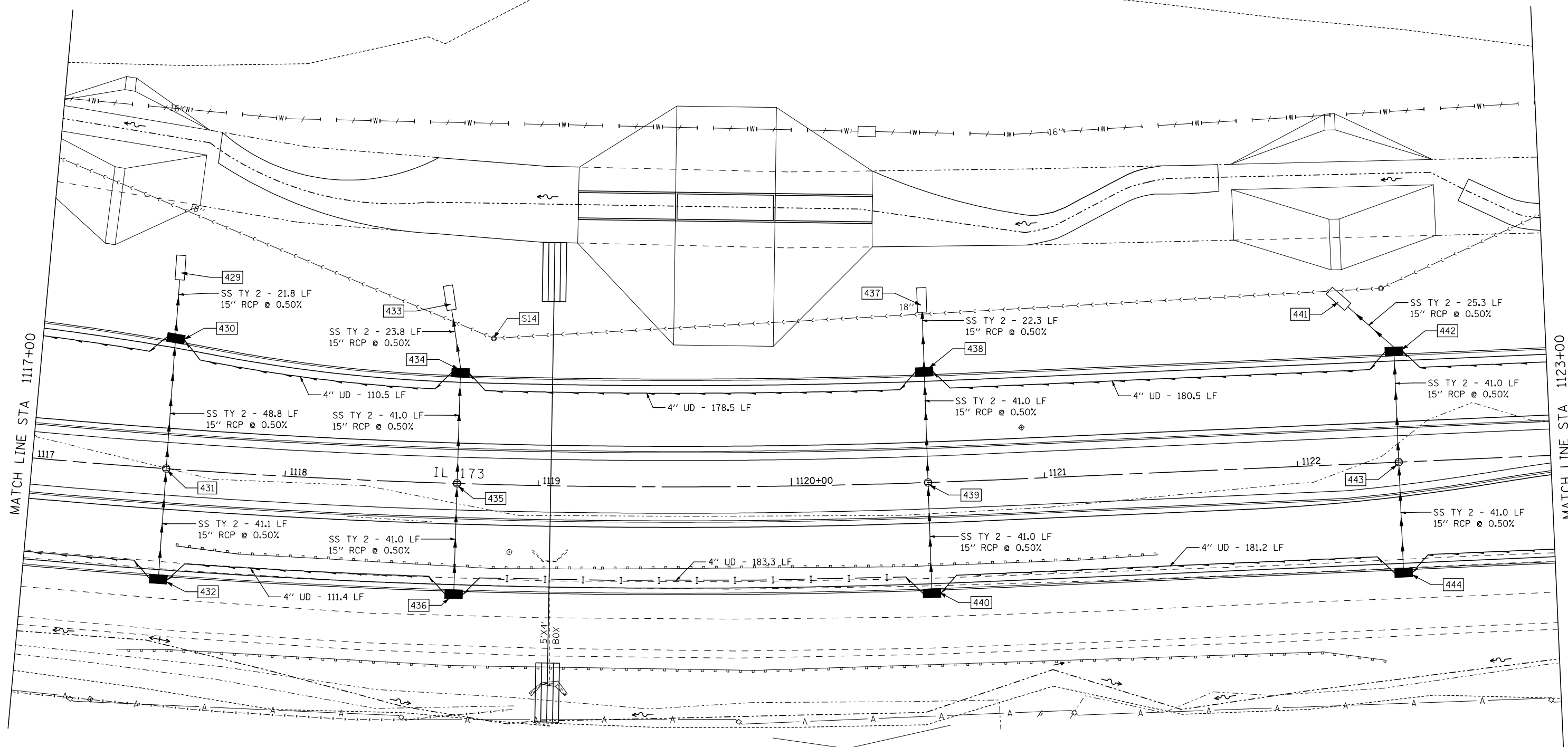
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1111+00    TO STA. 1117+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	426
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D18



FILE NAME = ...load sheets\200793DRPLN19.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
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PLOT DATE = 5/1/2013 2:02:29 PM			

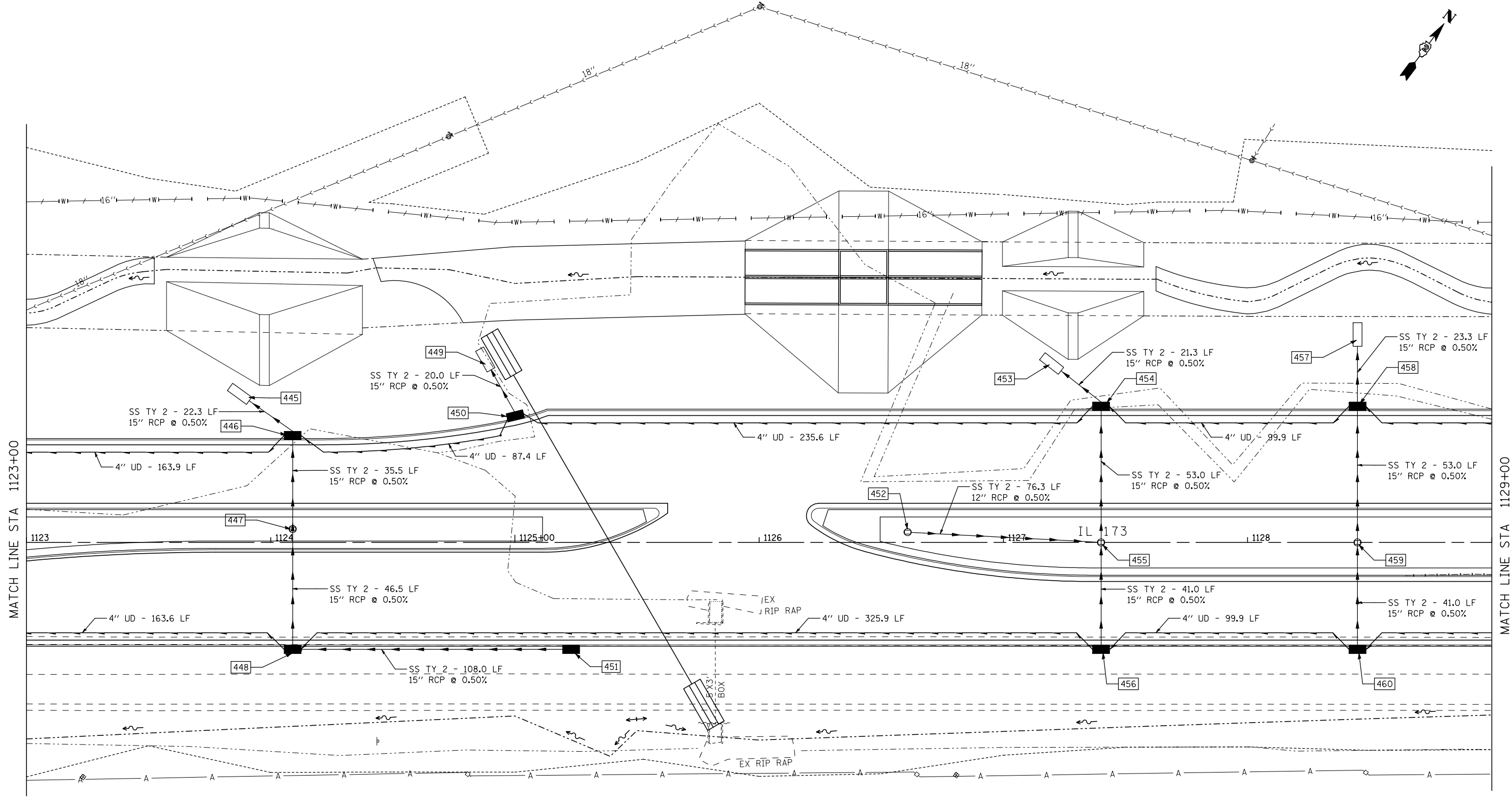
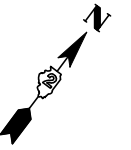
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1117+00    TO STA. 1123+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	427
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D19

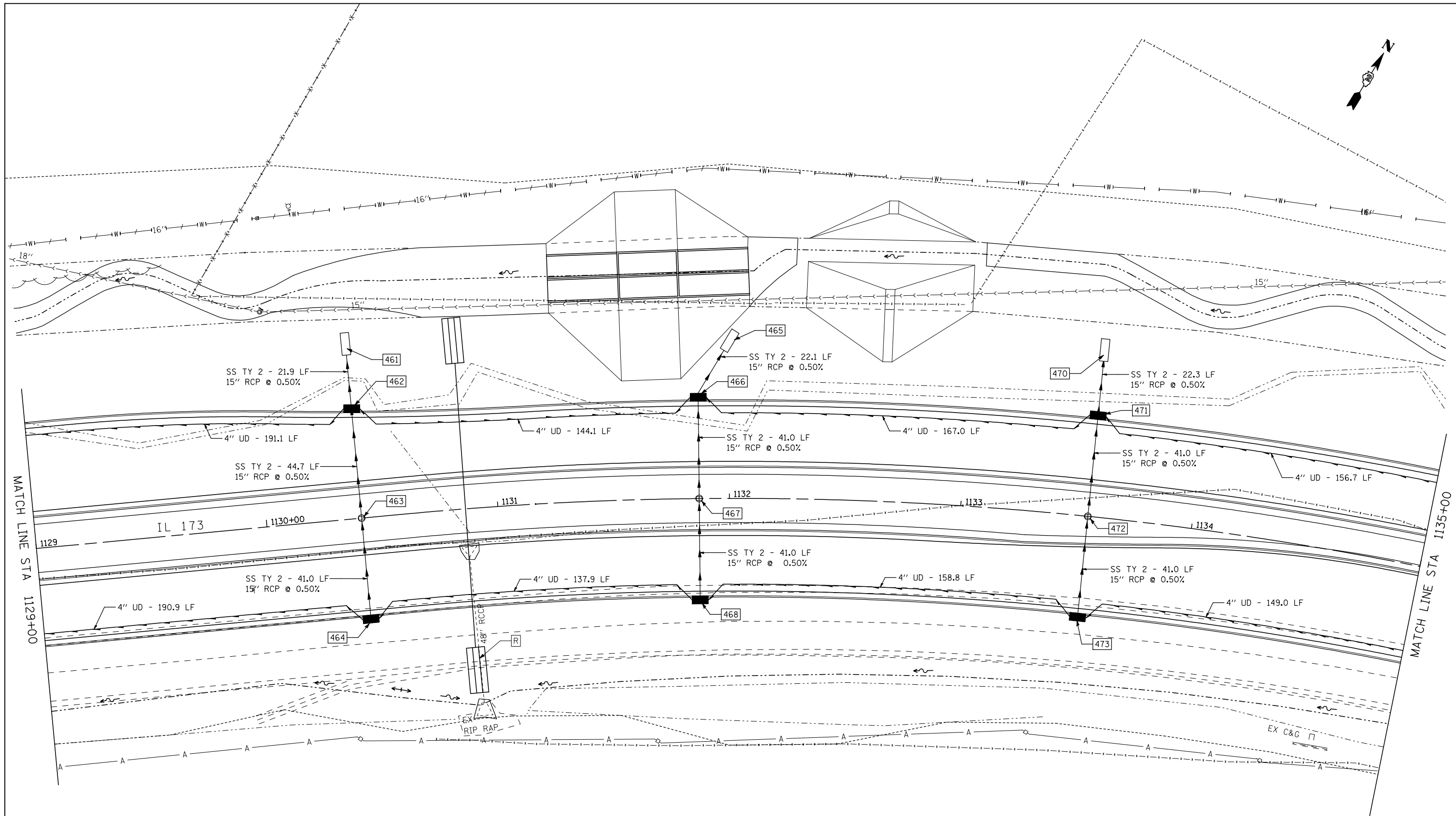


MATCH LINE STA 1123+00

MATCH LINE STA 1129+00



FILE NAME = ...\\odds sheets\200793DRPLN20.dgn <b>THE UPCHURCH GROUP, INC.</b>	USER NAME = Elgin 110	DESIGNED - MJS DRAWN - RMH	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS          IL 173 FROM ALPINE ROAD TO I-90</b>	F.A.P. R.T.E. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 428
	PLOT SCALE = 40.0000' / IN. PLOT DATE = 5/1/2013 2:02:31 PM	CHECKED - RLH DATE - APRIL 30, 2013	SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1123+00 TO STA. 1129+00			CONTRACT NO. 64988 ILLINOIS FED. AID PROJECT				
	SHEET D20									



MATCH LINE STA 1129+00

MATCH LINE STA 1135+00



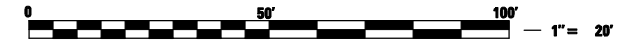
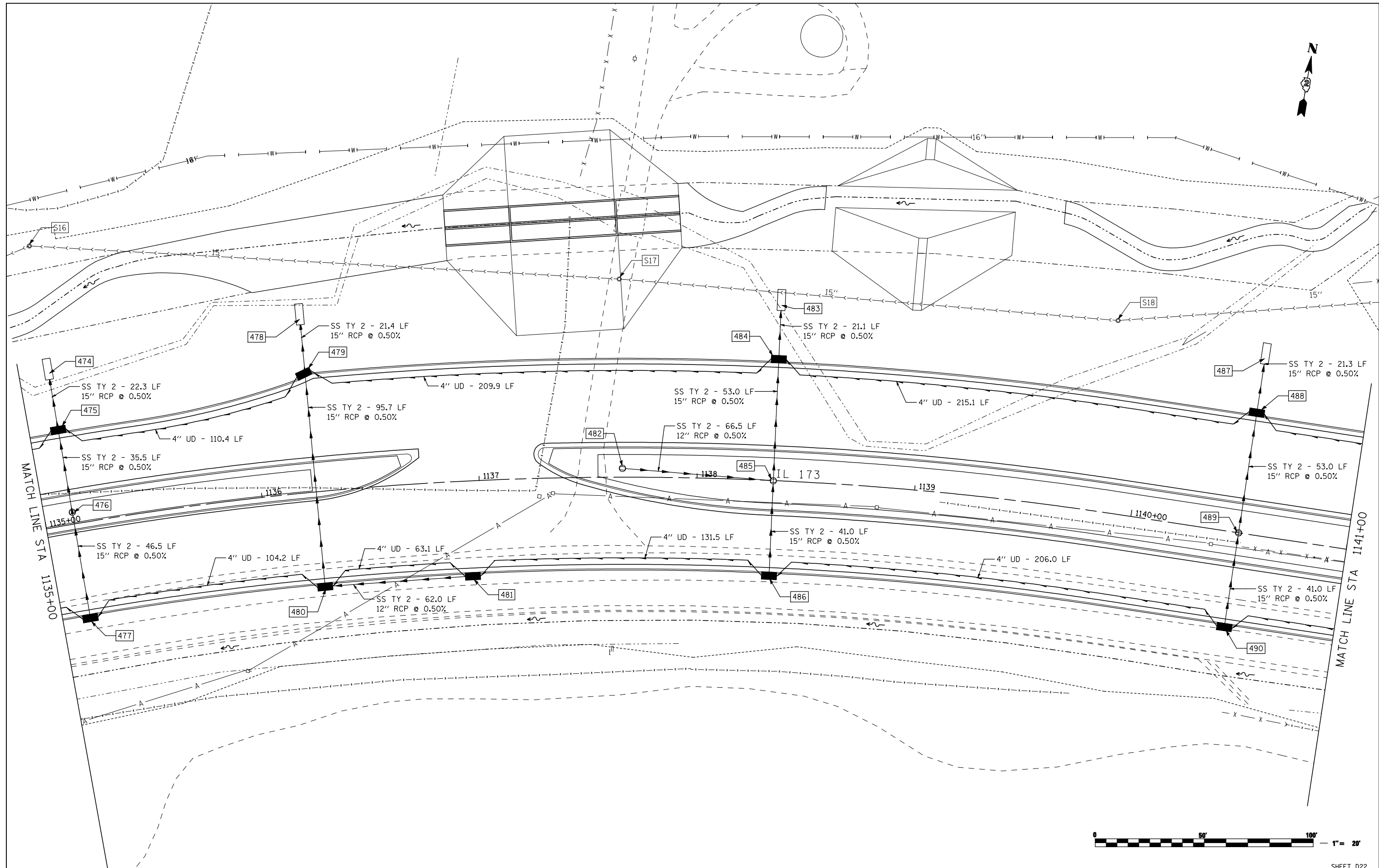
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		DATE - APRIL 30, 2013	REVISED -
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PLOT DATE = 5/1/2013 2:02:34 PM			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

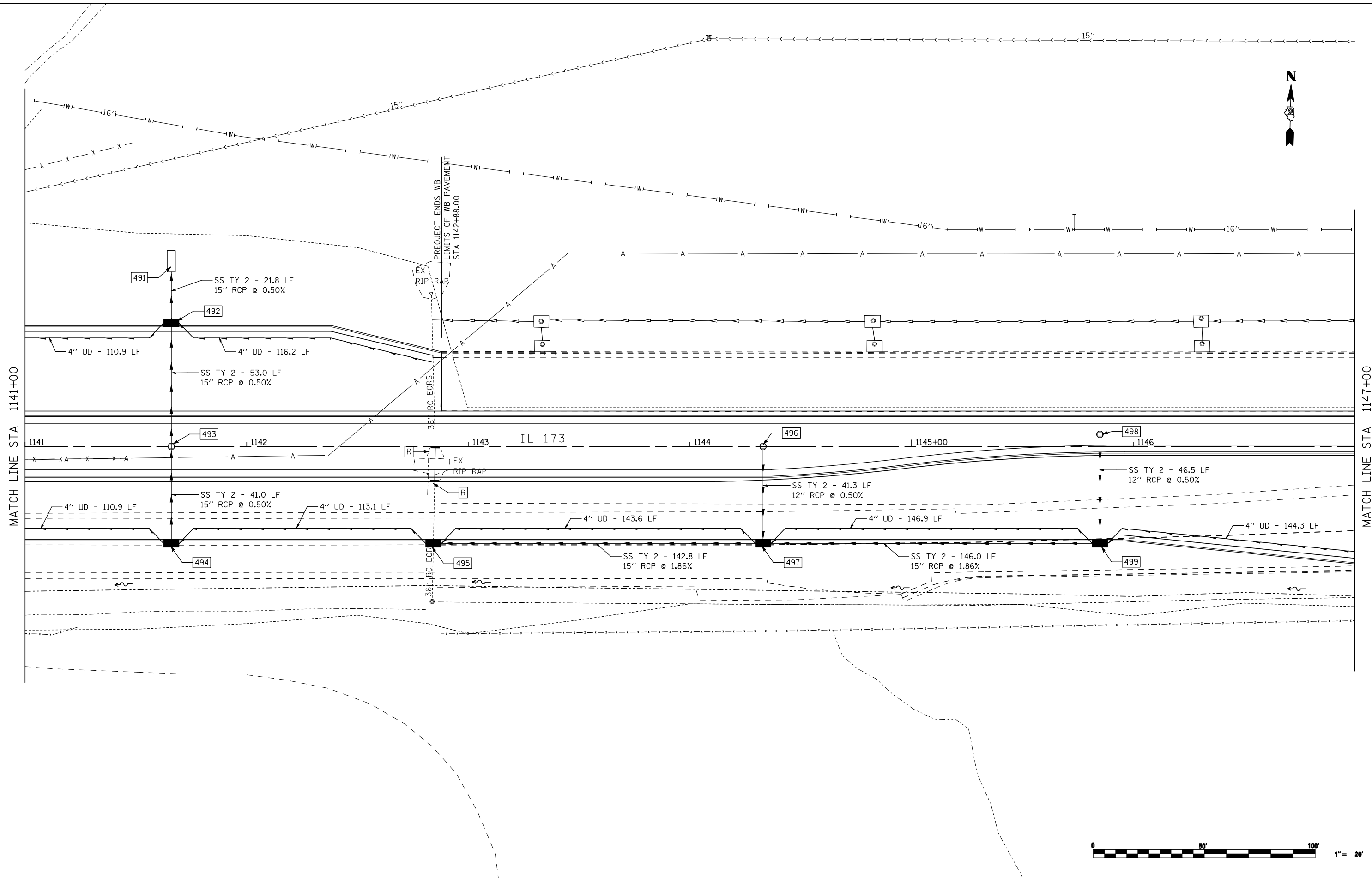
<b>DRAINAGE AND UTILITY PLANS</b>			
<b>IL 173 FROM ALPINE ROAD TO I-90</b>			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1129+00 TO STA. 1135+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	429
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D21



FILE NAME = ...\\oadd sheets\200793DRPLN22.dgn <b>THE UPCHURCH GROUP, INC.</b>				USER NAME = Elgin 110 DESIGNED - MJS DRAWN - RMH CHECKED - RLH PLOT DATE = 5/1/2013 2:02:37 PM				REVISED - REVISED - REVISED - REVISED -				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>DRAINAGE AND UTILITY PLANS IL 173 FROM ALPINE ROAD TO I-90</b>				F.A.P. RTE. 303 SECTION 129R COUNTY WINNEBAGO CONTRACT NO. 64988 ILLINOIS FED. AID PROJECT				SHEET D22 TOTAL SHEETS 968 SHEET NO. 430			
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1135+00 TO STA. 1141+00																											



MATCH LINE STA 1141+00

MATCH LINE STA 1147+00



FILE NAME = ...load sheets\200793DRPLN23.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
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PLOT DATE = 5/1/2013 2:02:40 PM			

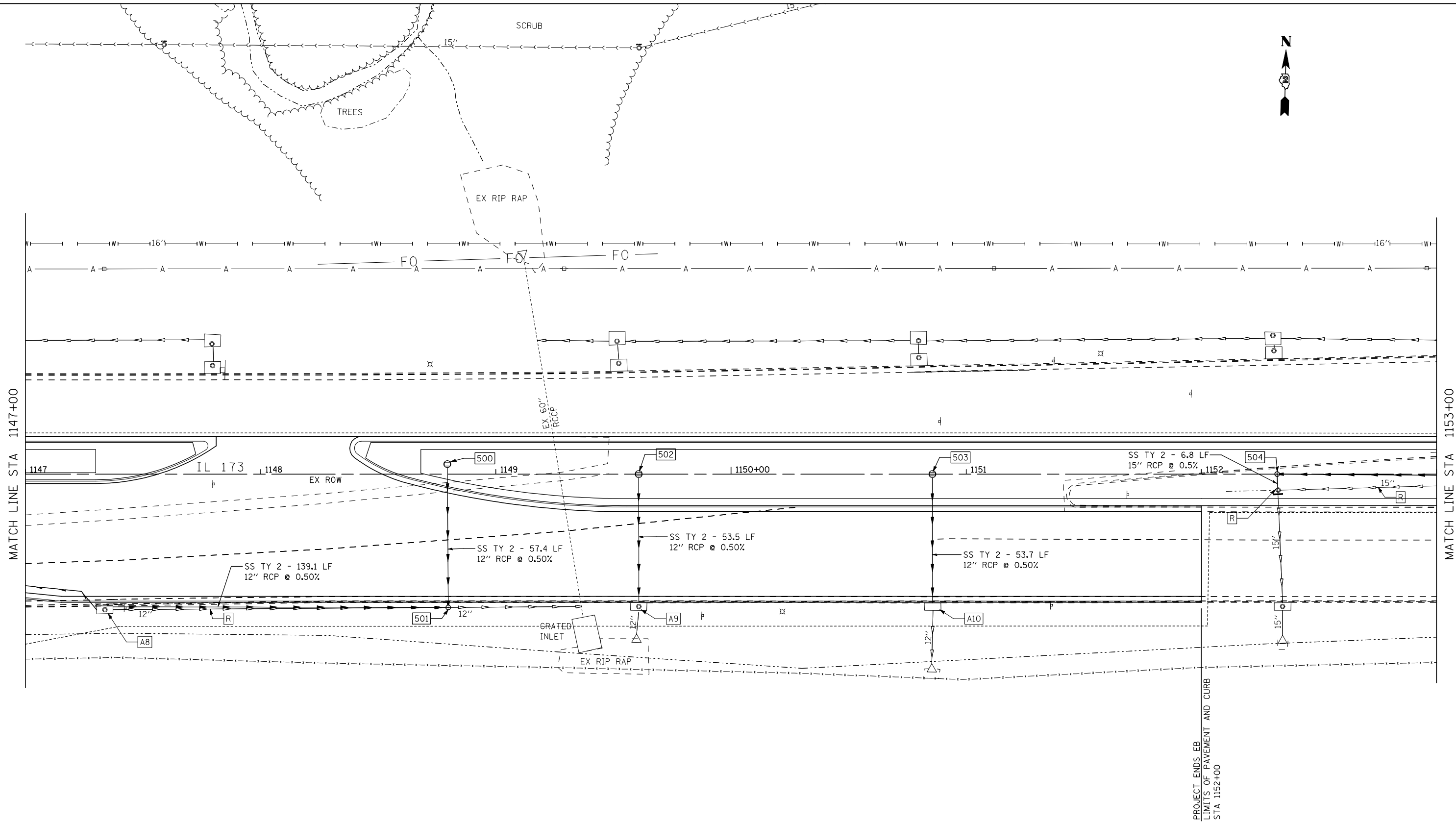
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1141+00    TO STA. 1147+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	431
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	

SHEET D23



FILE NAME = ...\\oaddd sheets\200793DRPLN24.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
THE UPCHURCH GROUP, INC.	PLOT SCALE = 40.0000' / IN.	DRAWN - RMH	REVISED -
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		DATE - APRIL 30, 2013	REVISED -

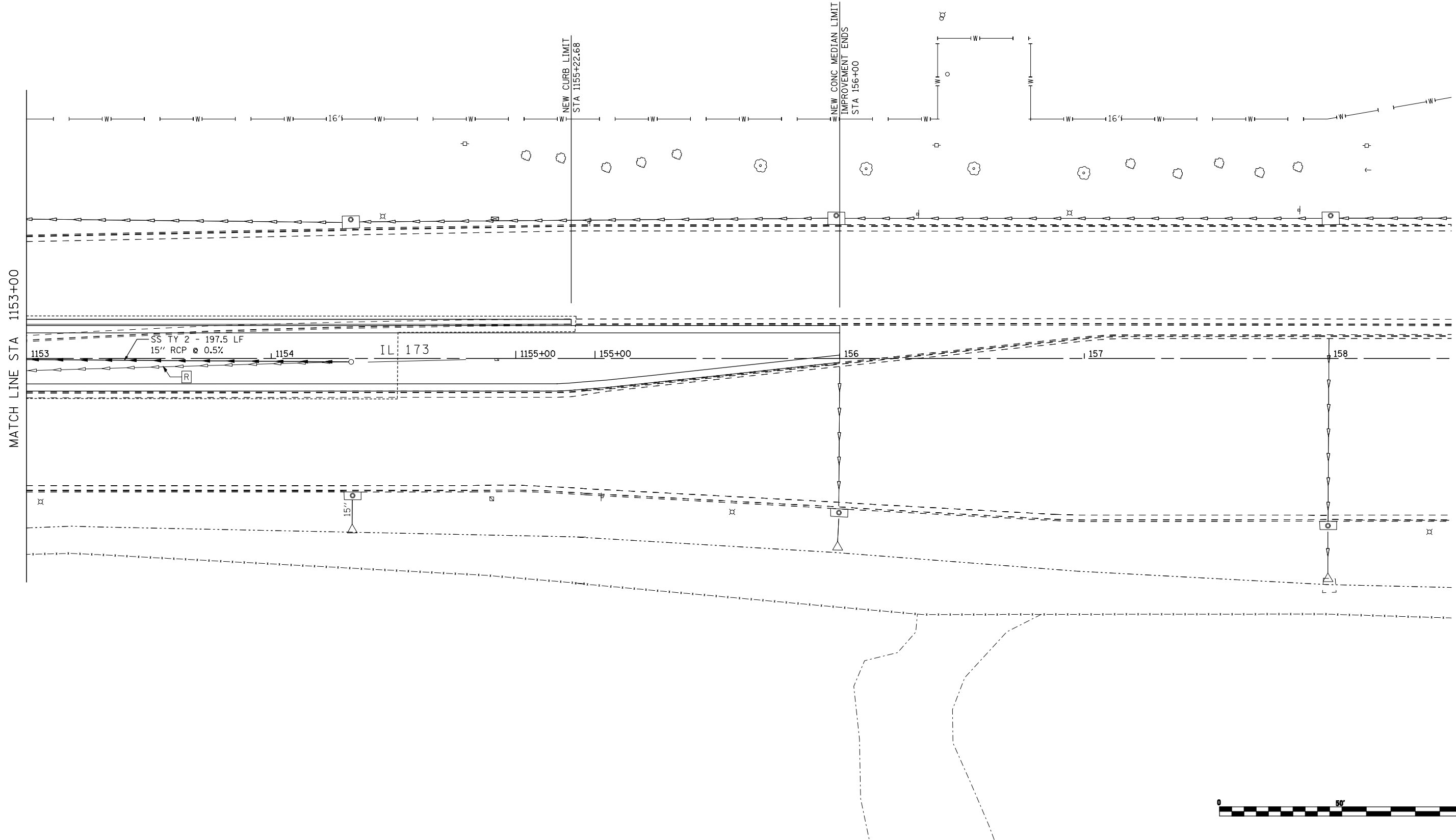
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

SCALE: 1"=20'    SHEET NO.    OF    SHEETS    STA. 1147+00    TO    STA. 1153+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	432
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				





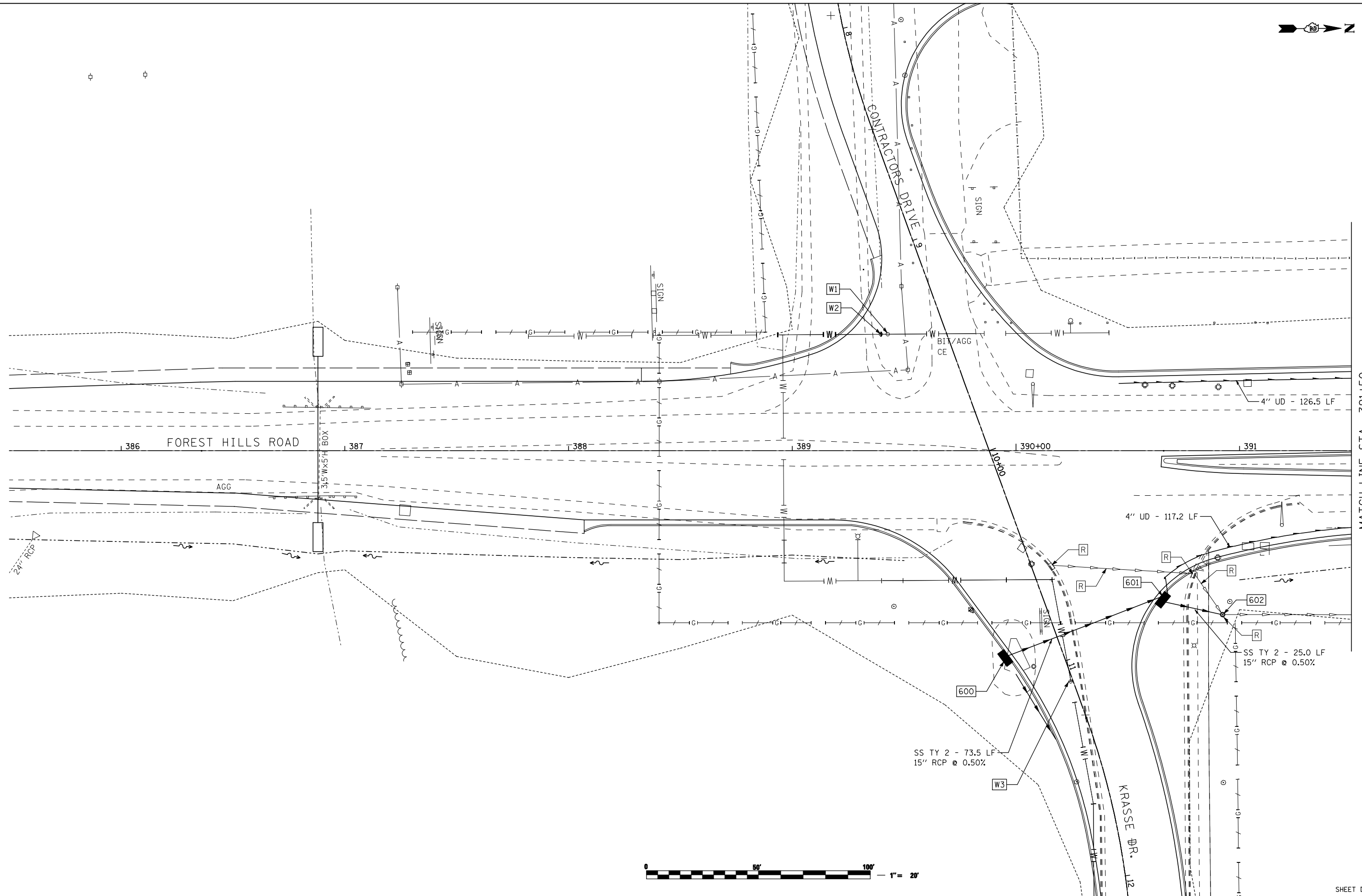
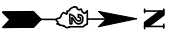
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		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 40.0000' / IN. PLOT DATE = 5/1/2013 2:02:46 PM		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE AND UTILITY PLANS</b>			
<b>IL 173 FROM ALPINE ROAD TO I-9</b>			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1153+00 TO STA. 156+00	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 433
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

SHEET D25



MATCH LINE STA 391+50

FILE NAME = ...load sheets\200793DRPLN26.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
THE UPCHURCH GROUP, INC.	PLOT SCALE = 40.0000' / IN.	DRAWN - RMH	REVISED -
	PLOT DATE = 5/1/2013 2:02:49 PM	CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

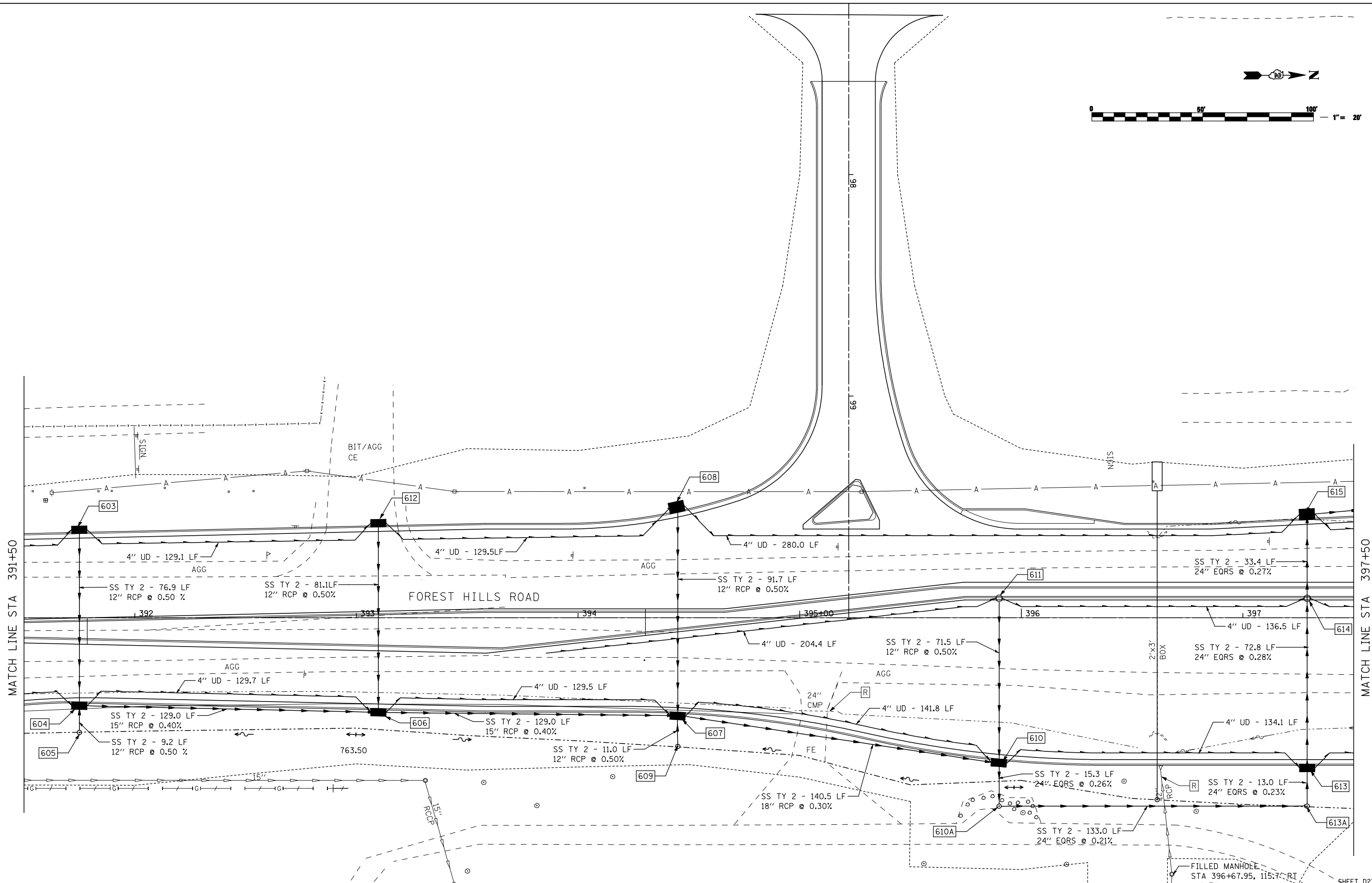
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
FOREST HILLS ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 385+50 TO STA. 391+50

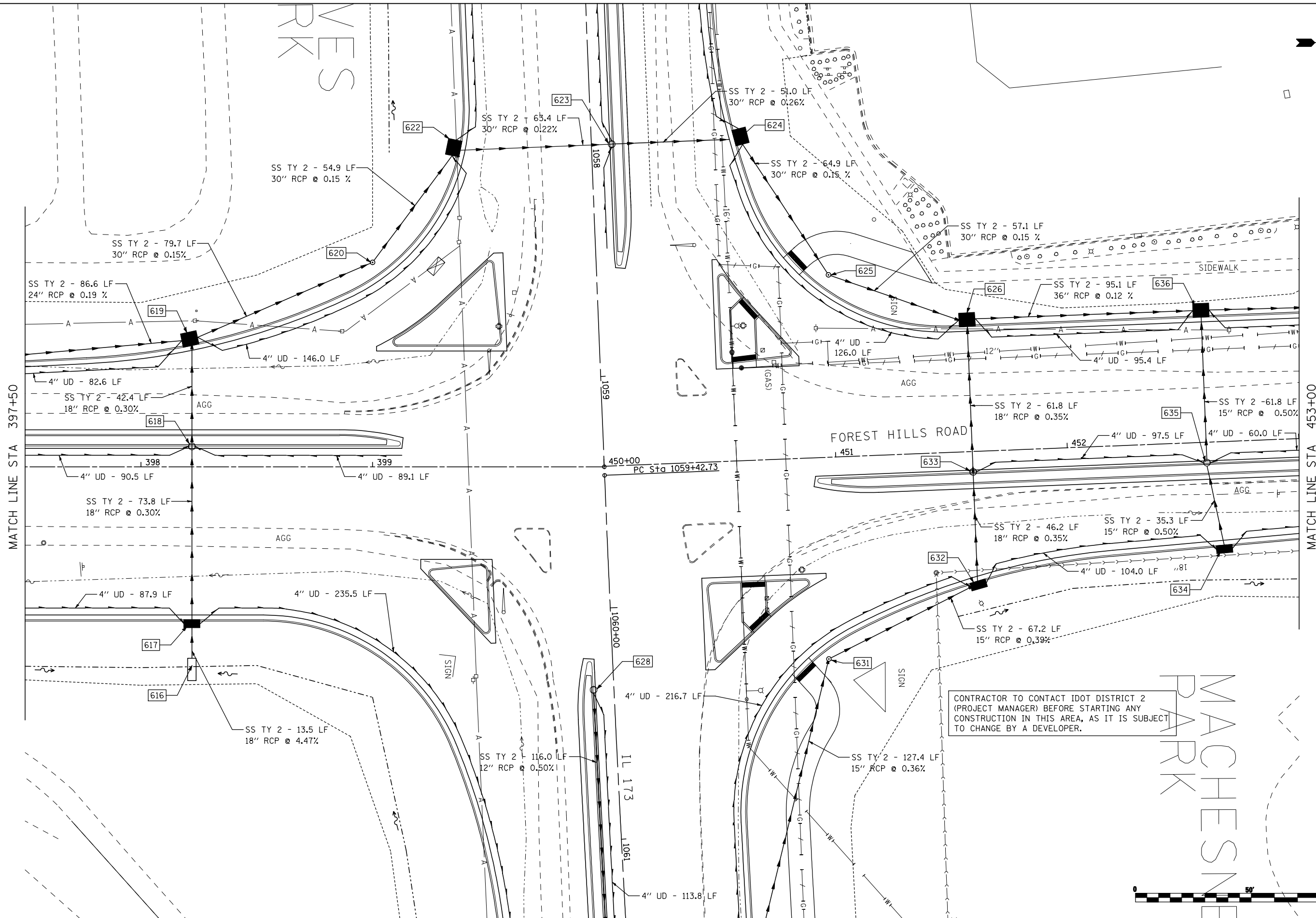
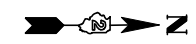
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	434
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

SHEET D26



FILE NAME = ...load sheets\200793DRPLN27.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS FOREST HILLS ROAD</b>			F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 435
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 40.0000' / IN.	CHECKED - RLH	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. 391+50	TO STA. 397+50	CONTRACT NO. 64988		
	PLOT DATE = 5/1/2013 2:02:51 PM	DATE - APRIL 30, 2013	REVISED -		ILLINOIS FED. AID PROJECT							
					SHEET D27							

Sheet: 6  
Angle: 89.6481  
Align: FHILLSS

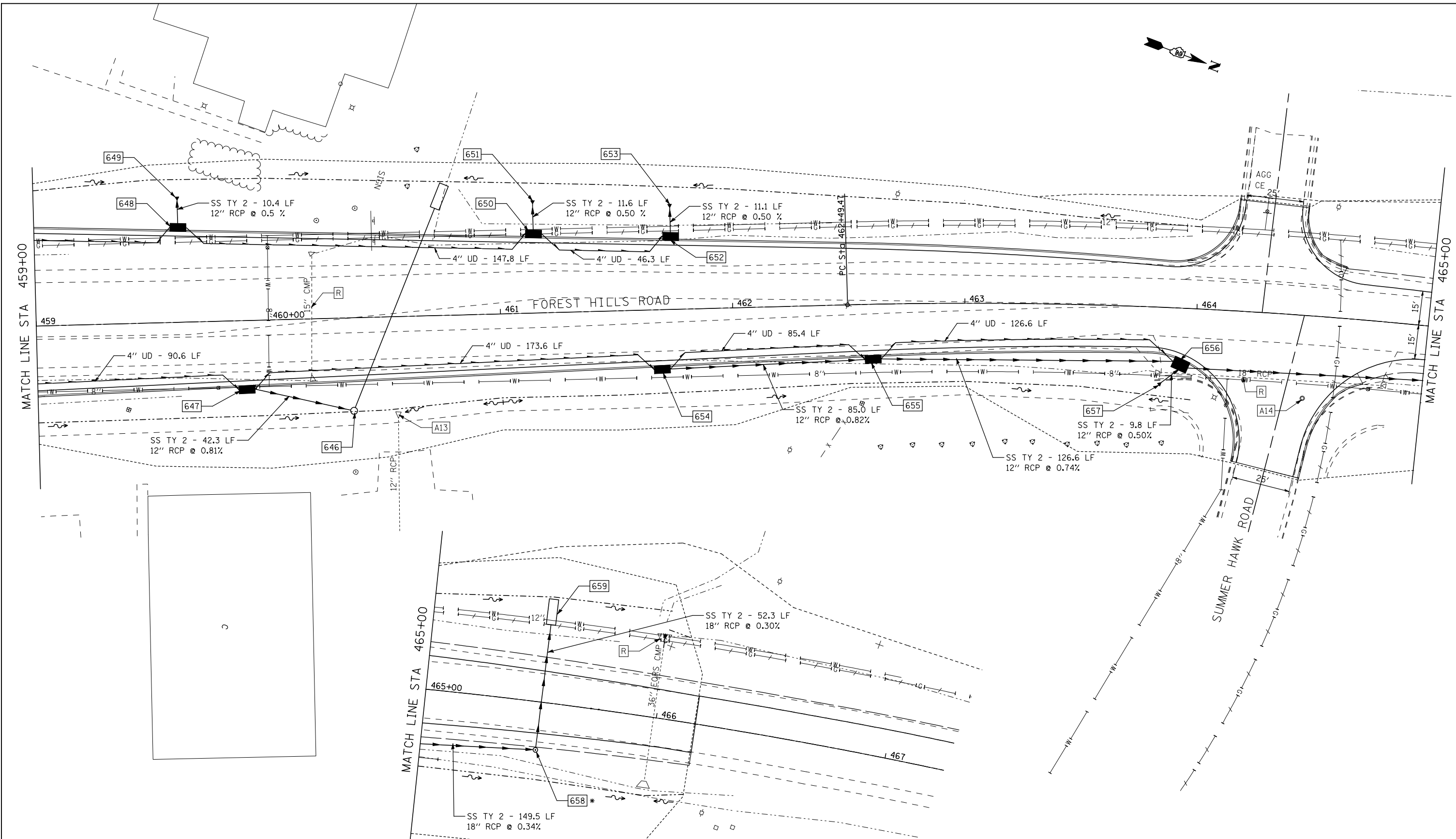


CONTRACTOR TO CONTACT IDOT DISTRICT 2 (PROJECT MANAGER) BEFORE STARTING ANY CONSTRUCTION IN THIS AREA, AS IT IS SUBJECT TO CHANGE BY A DEVELOPER.



FILE NAME = ...\\CADD SHEETS\Z007930RPLN28.dgn  <b>THE UPCHURCH GROUP, INC.</b>	USER NAME = Elgin 110	DESIGNED - MJS DRAWN - RMH CHECKED - RLH DATE - APRIL 30, 2013	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLANS          FOREST HILLS ROAD</b>			F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 436
	PLOT SCALE = 40.0000' / IN. PLOT DATE = 5/6/2013 1:54:39 PM	DATE - APRIL 30, 2013	REVISED -		SCALE: 1"=20' SHEET NO. OF SHEETS STA. 397+50 TO STA. 453+00	ILLINOIS FED. AID PROJECT						
	SHEET D28											





\* PROVIDE A TEMPORARY 12" DIA  
 OUTLET PIPE TO THE DITCH IN STAGE 1  
 CONSTRUCTION. REMOVE/PLUG OUTLET  
 PIPE AFTER STRUCTURE 659 IS CONSTRUCTED  
 AND TEMPORARY PAVEMENT REMOVED. COST  
 INCLUDED IN STRUCTURE 658.



FILE NAME = ...load sheets\200793DRPLN30.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
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		CHECKED - RLH	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS  
 FOREST HILLS ROAD**

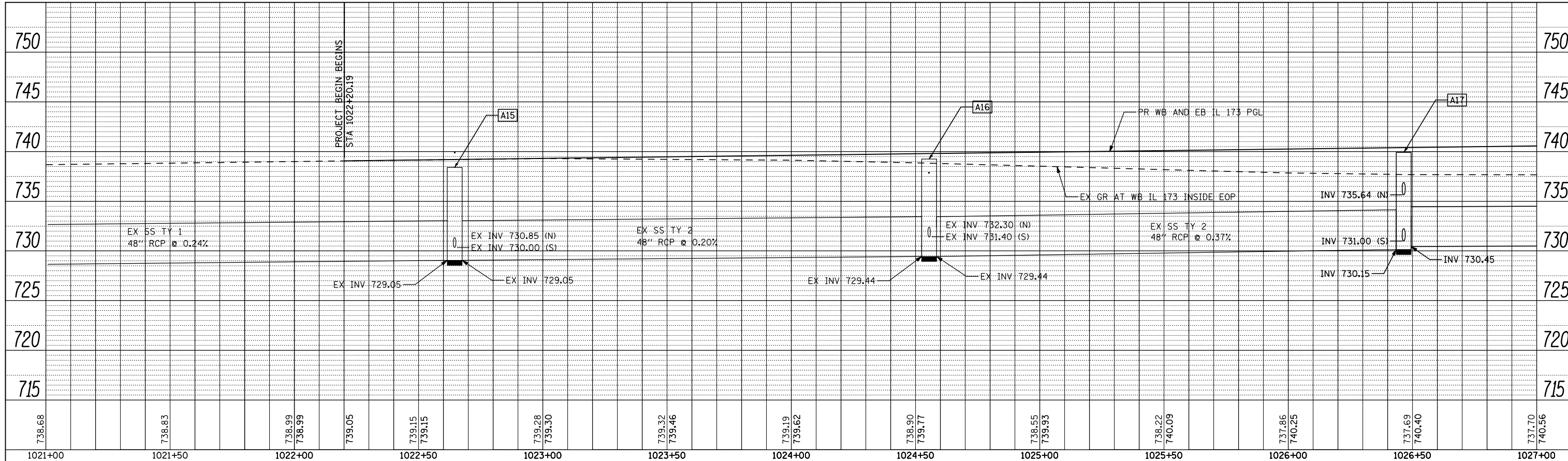
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 459+00 TO STA. 466+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	438
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

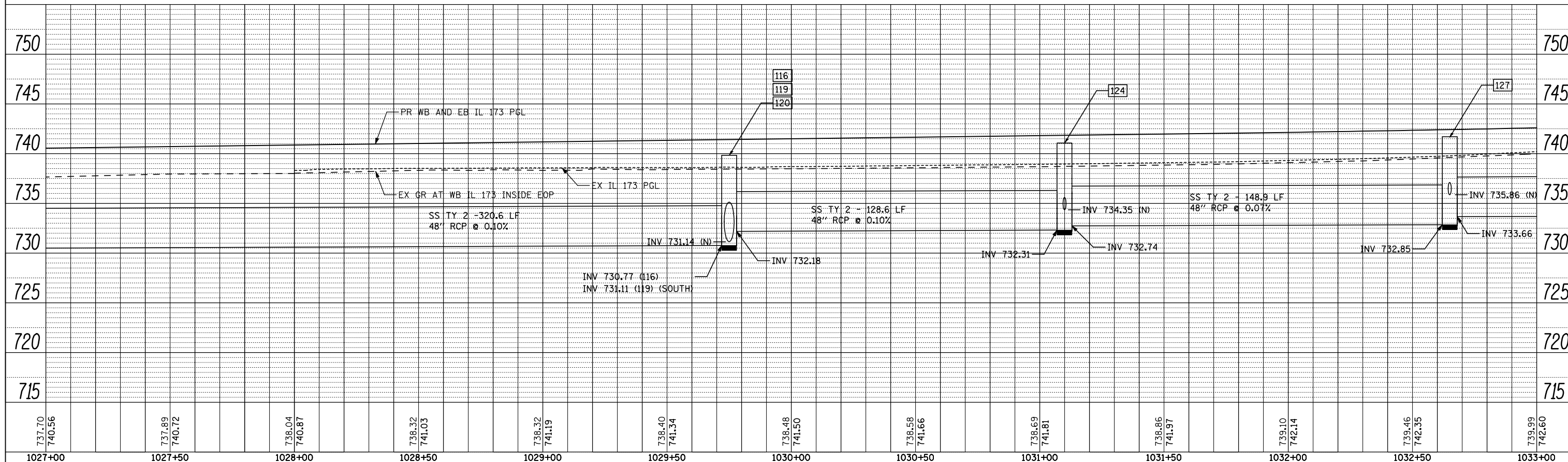
SHEET D30

**THE UPCHURCH GROUP, INC.**

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



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	AT		
	FILE NAME		



FILE NAME =  
 ...\\CADD SHEETS\Z00793DRPRF02.dgn

USER NAME = Elgin 110  
 DESIGNED - MJS  
 DRAWN - RMH  
 CHECKED - RLH  
 DATE - APRIL 30, 2013

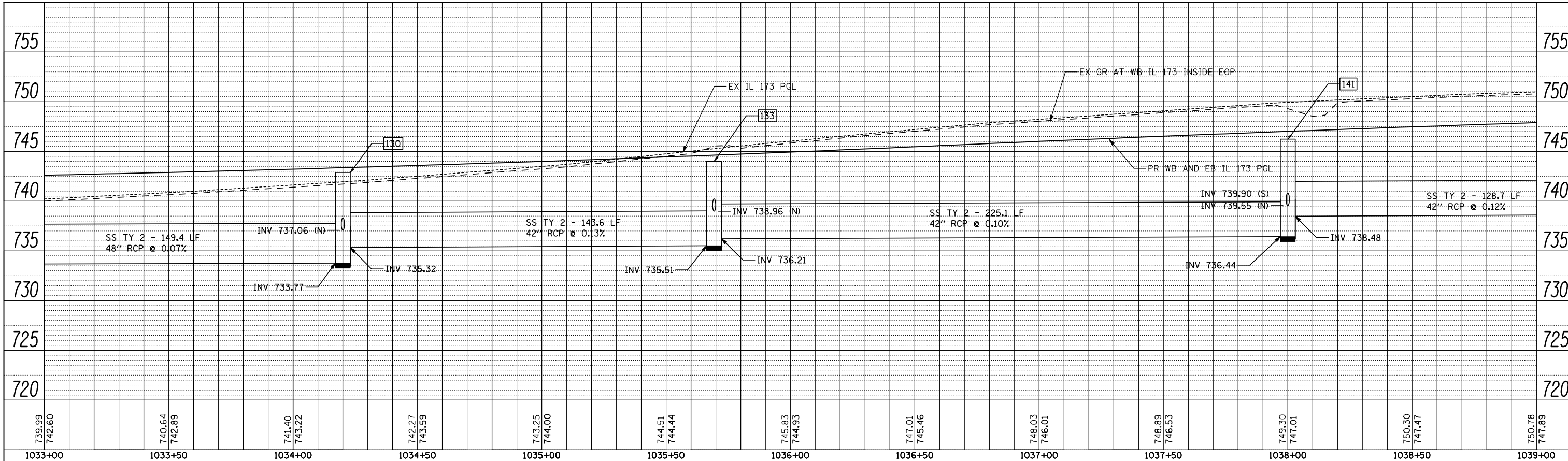
REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

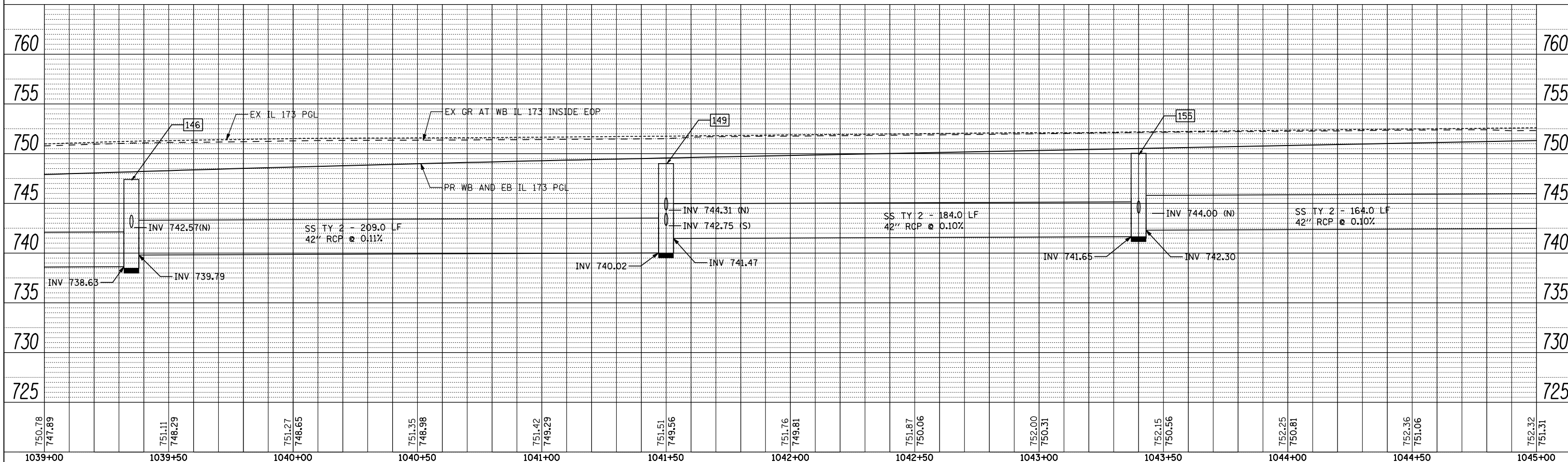
**DRAINAGE PROFILES**  
**IL 173 FROM ALPINE ROAD TO I-90**  
 SCALE: SHEET NO. OF SHEETS STA. 1021+00 TO STA. 1033+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	439
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	AT	
	BY	
	NO.	
	FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	AT	
	BY	
	NO.	
	FILE NAME	



FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
...\\CADD SHEETS\2007930RPRF03.dgn		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PROFILES  
IL 173 FROM ALPINE ROAD TO I-90**

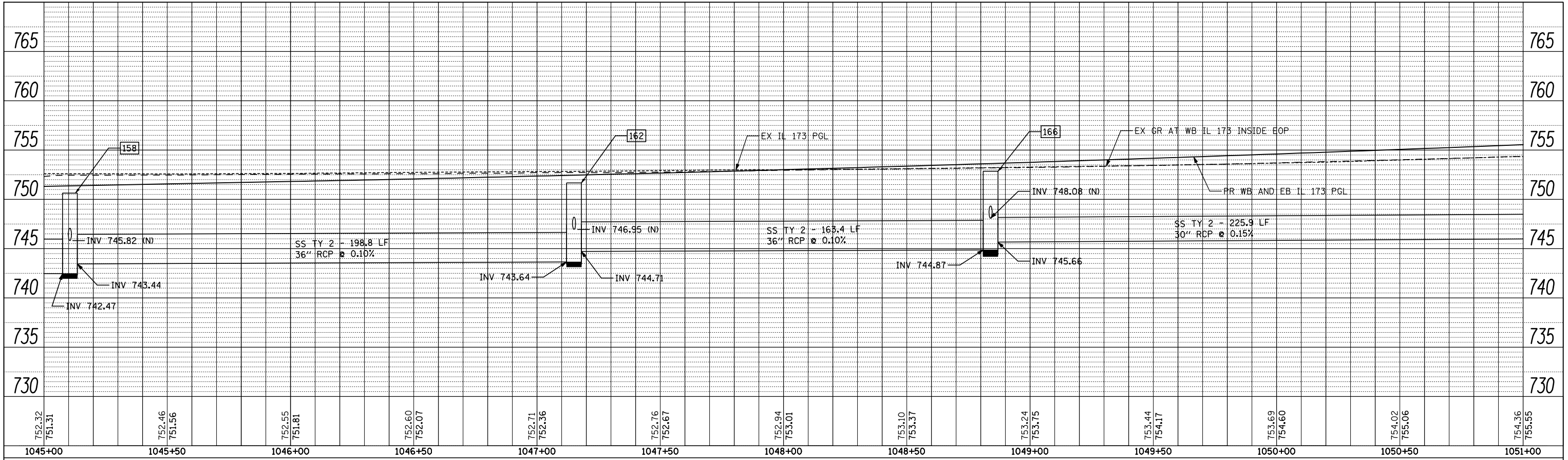
**THE UPCHURCH GROUP, INC.**

SCALE: SHEET NO. OF SHEETS STA. 1033+00 TO STA. 1045+00

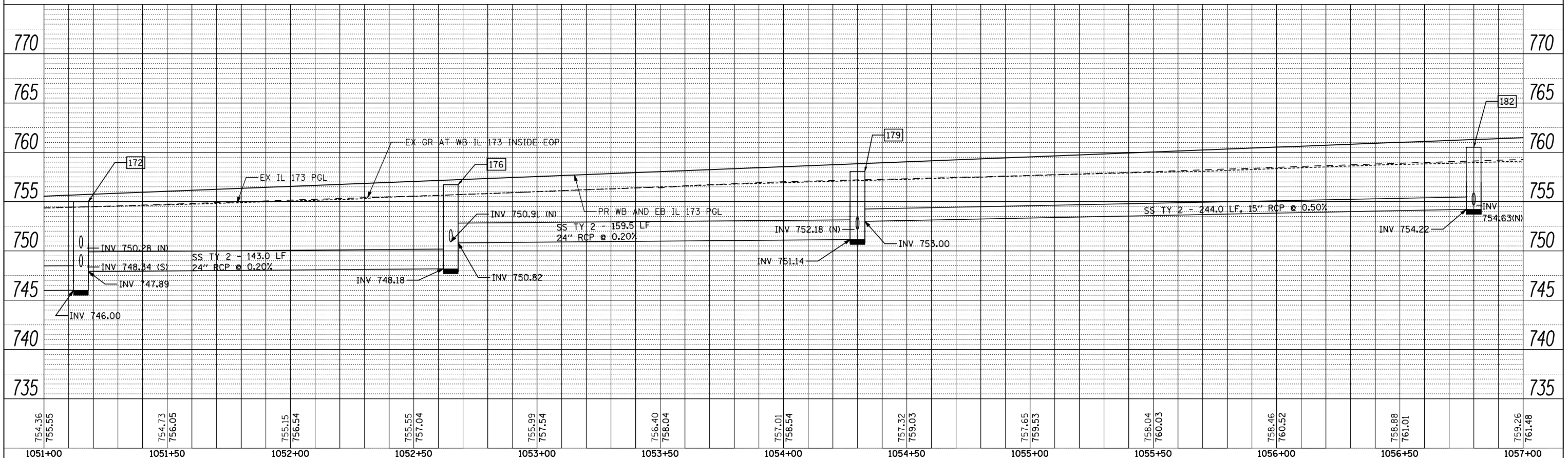
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	440
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



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

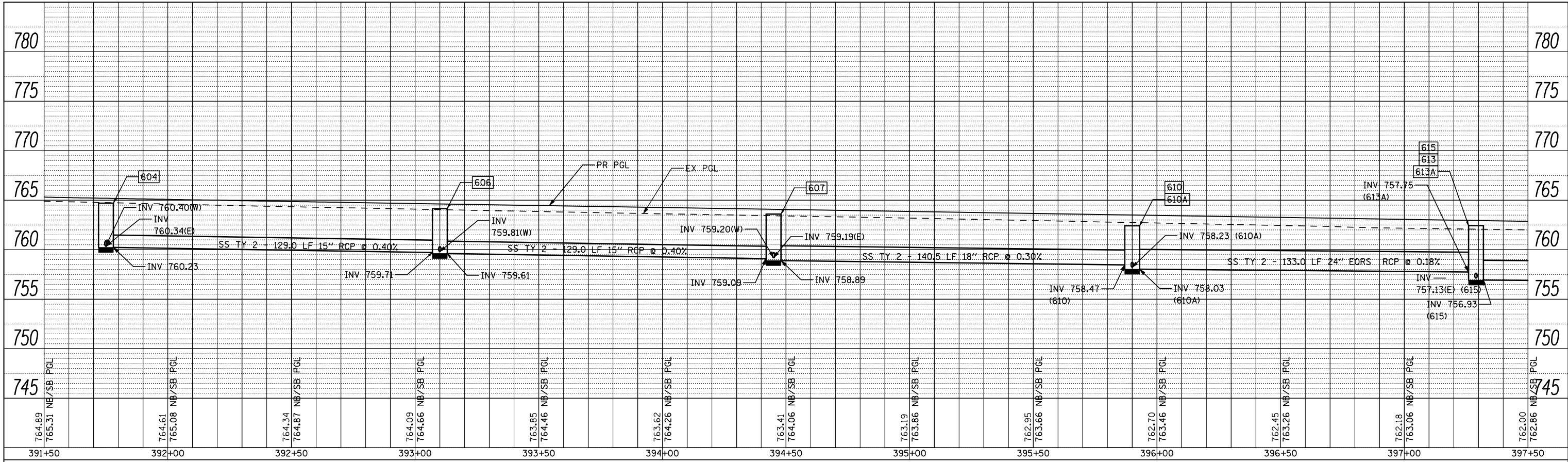


PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATION		
	CHORD		

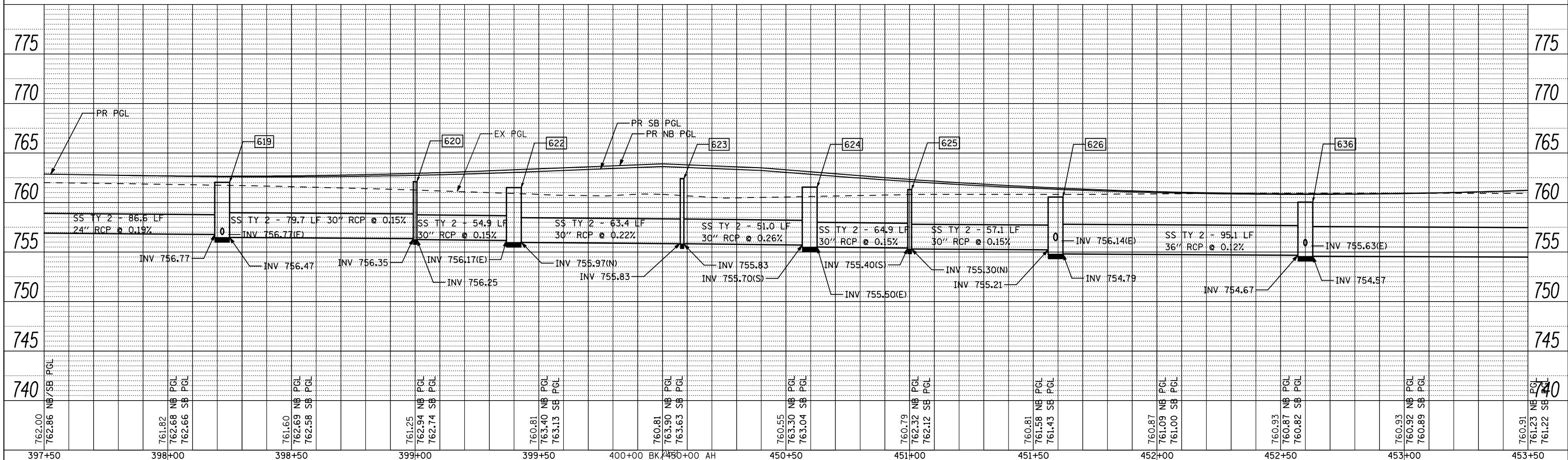


FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PROFILES</b> <b>IL 173 FROM ALPINE ROAD TO I-90</b>			F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 441
...\\CADD SHEETS\Z00793DRPRF04.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN - RMH	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 1045+00	TO STA. 1057+00	CONTRACT NO. 64988	
	PLOT DATE = 5/1/2013 2:14:27 PM	CHECKED - RLH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - APRIL 30, 2013	REVISED -									

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
	NO.		
	FILE NAME		

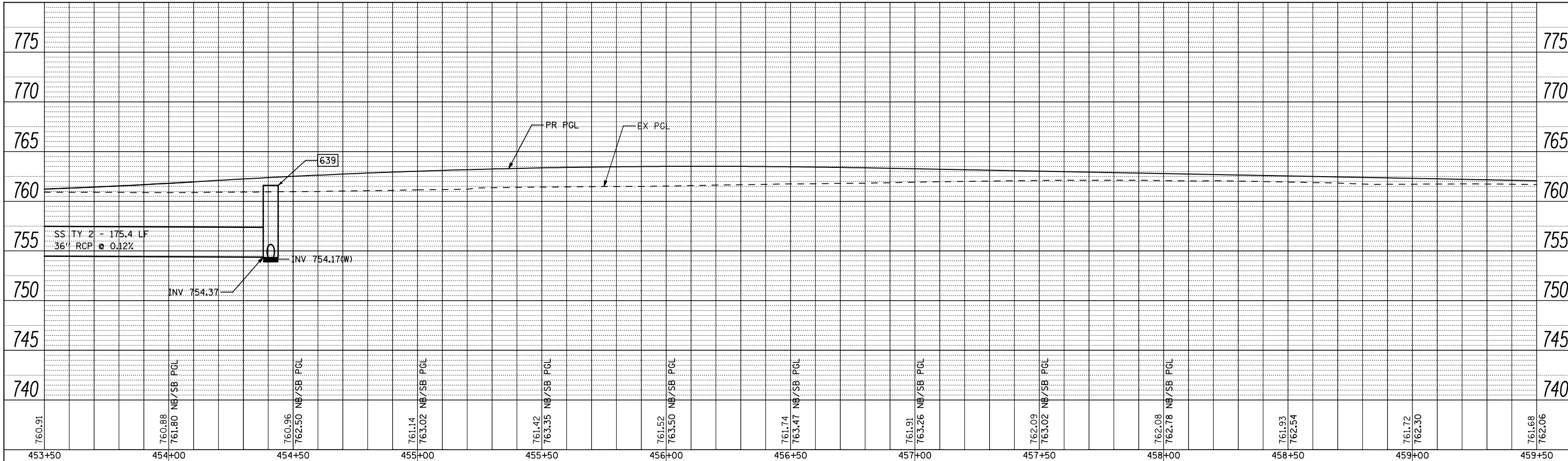


PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
	NO.		
	FILE NAME		

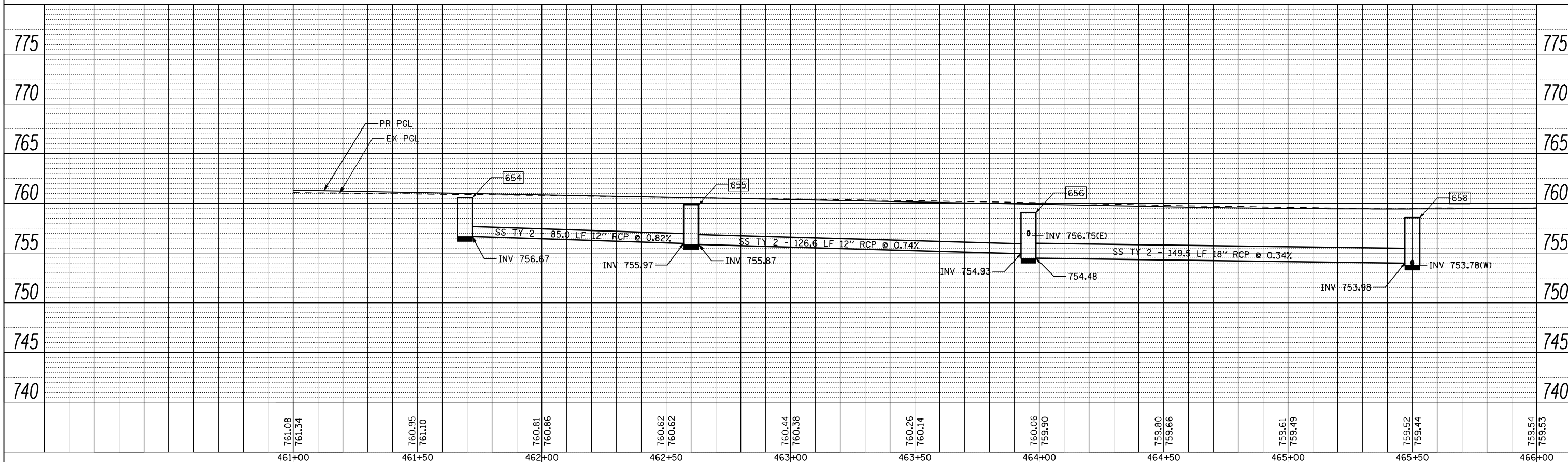


FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PROFILE FOREST HILLS ROAD</b>			F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 442
...\\200793DRPRF_LT_ForestHills2.dgn		DRAWN - RMH	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 391+50	TO STA. 453+50	CONTRACT NO. 64988		
		CHECKED - RLH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - APRIL 30, 2013	REVISED -									

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AT	
	FORM	
	NO.	
	CAD FILE NAME	



PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AT	
	FORM	
	NO.	
	CAD FILE NAME	



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**THE UPCHURCH GROUP, INC.**

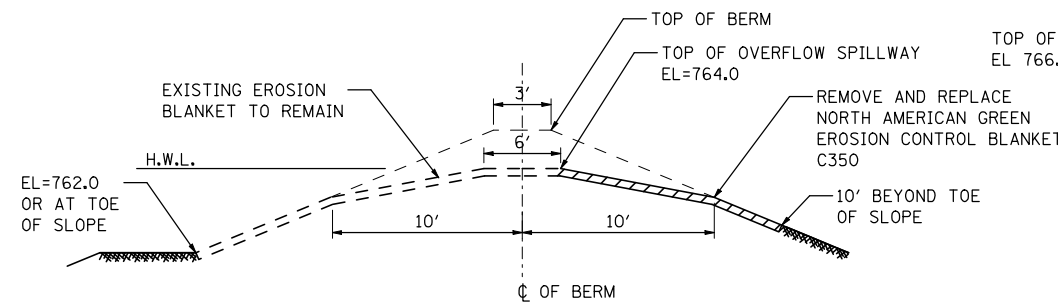
USER NAME = Elgin 110  
 DESIGNED - MJS  
 DRAWN - RMH  
 CHECKED - RLH  
 DATE - APRIL 30, 2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

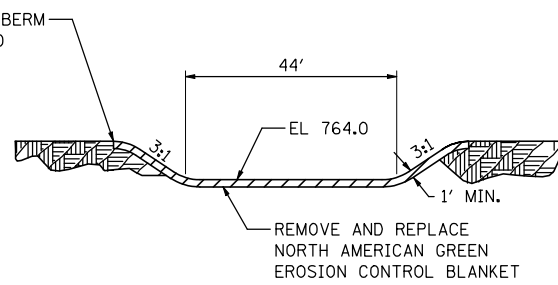
**DRAINAGE PROFILE  
 FOREST HILLS ROAD**  
 SCALE: SHEET NO. OF SHEETS STA. 453+50 TO STA. 465+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	443
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



**CROSS SECTION  
NORTHERN OVERFLOW SPILLWAY DETAIL  
DETENTION FACILITY  
(ROUTE 173)**

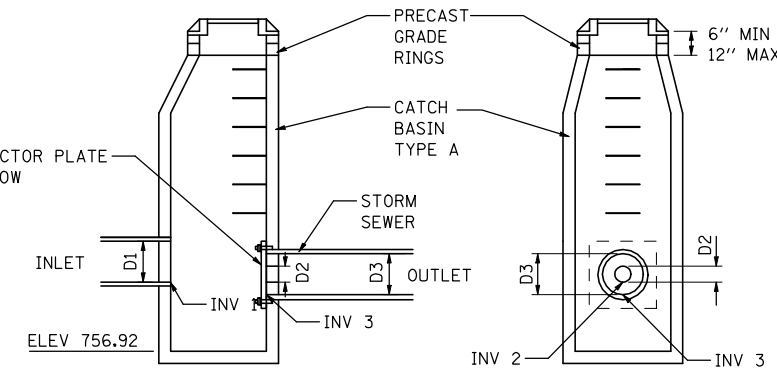
N.T.S.



**SIDE VIEW  
NORTHERN OVERFLOW SPILLWAY DETAIL  
DETENTION FACILITY  
(ROUTE 173)**

N.T.S.

NOTE: A TRAPEZOIDAL CHANNEL SECTION SHALL BE PROVIDED DOWN THE FACE OF THE BERM SIMILAR TO THE WEIR DETAIL THAT WILL CONTAIN THE FLOWS ON THE MAT AS THEY GO DOWN THE SLOPE.

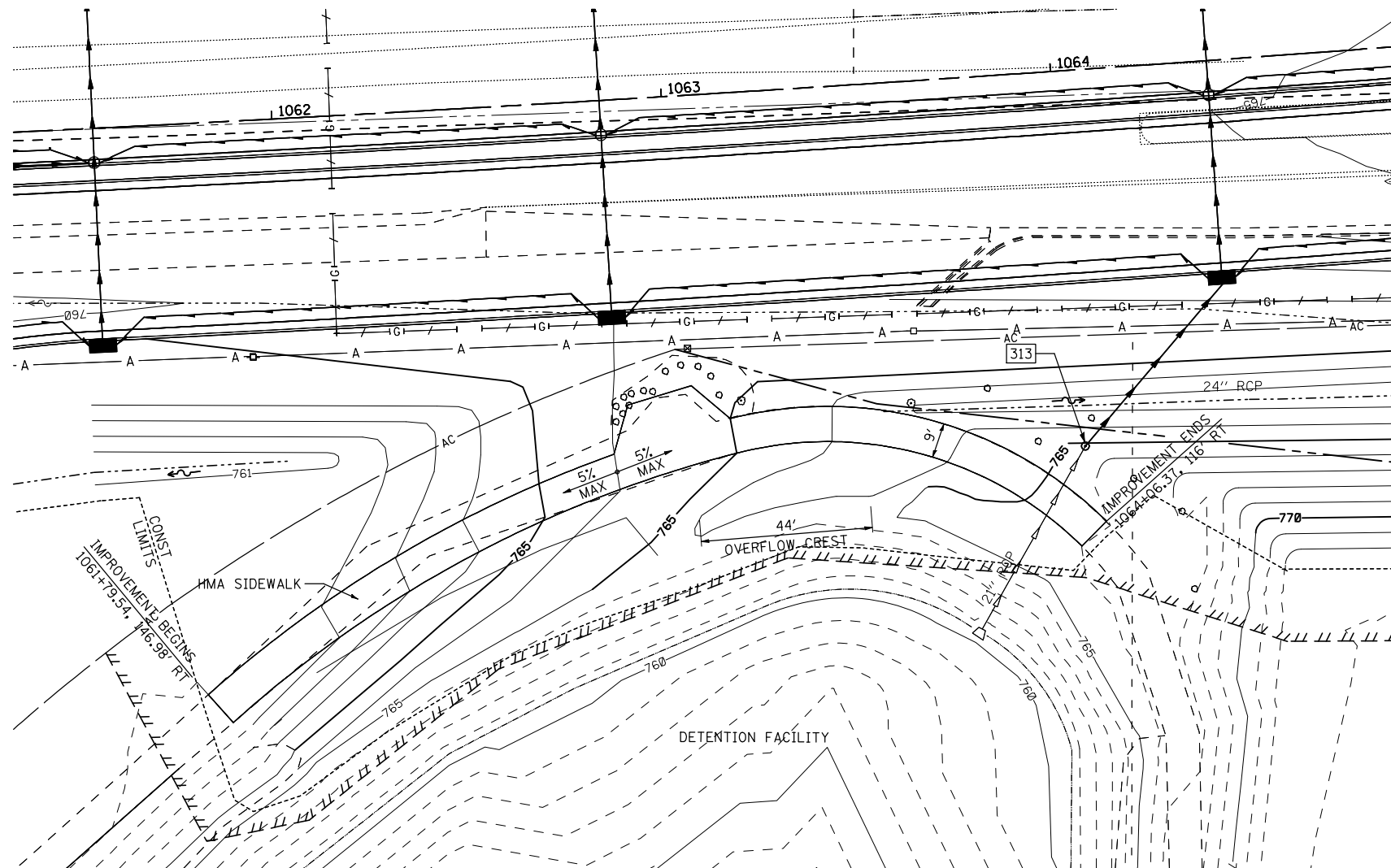


**ELEVATION-SIDE**

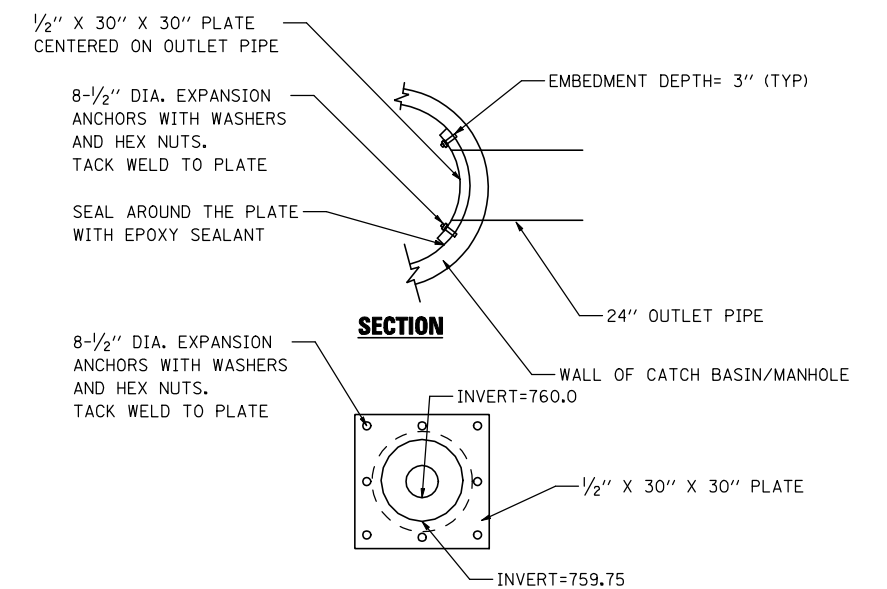
**ELEVATION-OUTLET**

- NOTES:**
- CATCH BASIN SHALL STRUCTURALLY AND DIMENSIONALLY CONFORM TO CATCH BASINS, TYPE A, 5' DIA., TYPE 1 FRAME, CLOSED LID
  - DIMENSIONS:  
RIM 766.0  
INV1 760.12  
INV2 760.0  
INV3 759.75  
D1 21"  
D2 18.3"  
D3 24"
  - OUTLET RESTRICTOR 1/2" STAINLESS STEEL OR DUCTILE IRON PLATE WITH 18.3" DIAMETER ORIFICE

**DRAINAGE STRUCTURE No. 313 - DETAIL**



**GRADING PLAN AT DETENTION FACILITY**



**ELEVATION**

NOTES:  
PLATE SHALL BE CURVED TO MATCH THE INSIDE RADIUS OF THE CATCH BASIN.

**RESTRICTOR PLATE DETAIL**

- NOTES:  
THE RESTRICTOR PLATE AND FASTENERS SHALL BE FABRICATED IN STAINLESS STEEL OR DUCTILE IRON.  
THE CONTRACT UNIT PRICE PER EACH FOR CATCH BASINS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID SHALL INCLUDE THE RESTRICTOR PLATE.

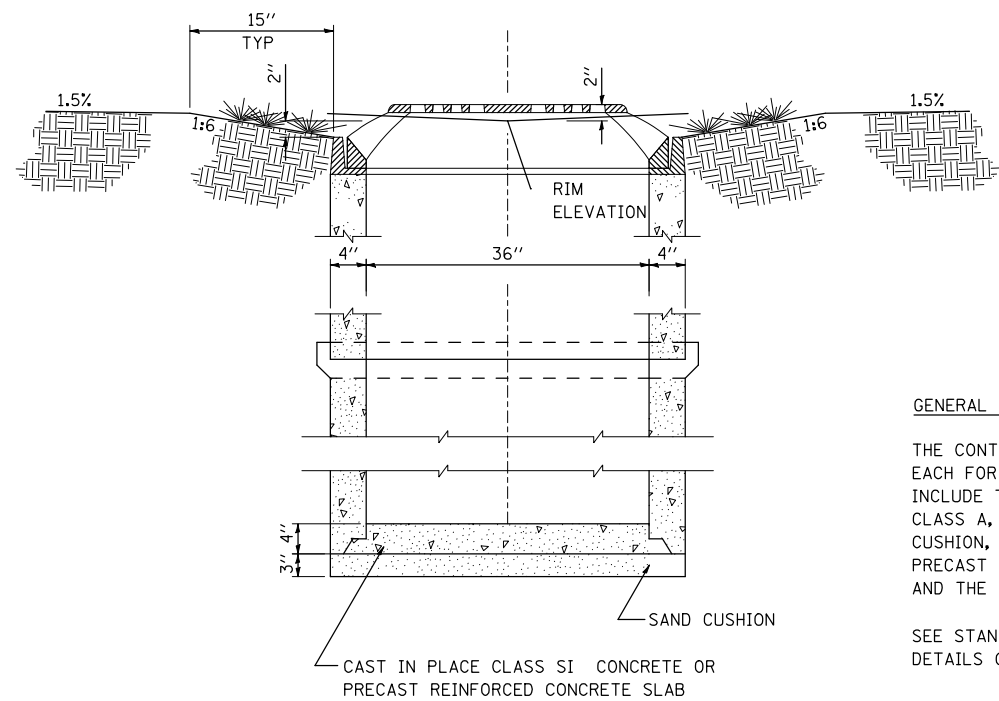
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		DRAWN - RMH	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS  
OSF DETENTION FACILITY**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	444
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



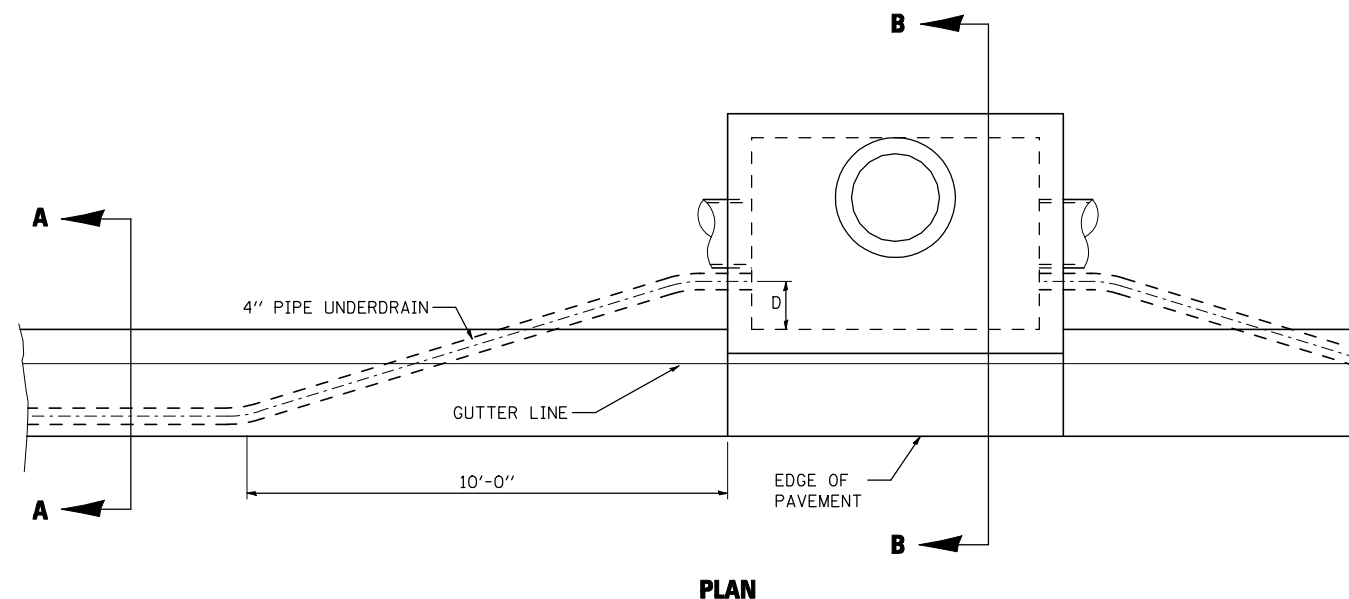
**MEDIAN INLET (604106)**

**GENERAL NOTES**

THE CONTRACT UNIT PRICE PER EACH FOR MEDIAN INLET (604106) SHALL INCLUDE THE RISER PIPE CULVERT CLASS A, TYPE 1, 36" DIA, THE SAND CUSHION, THE CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE SLAB AND THE FRAME AND GRATE.

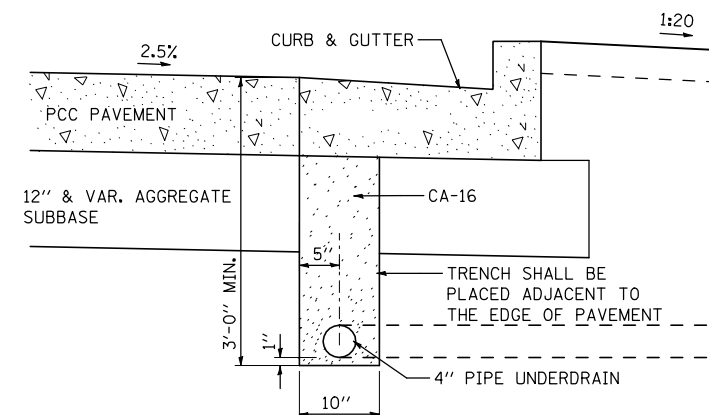
SEE STANDARD 604106 FOR DETAILS OF FRAME AND GRATE.

CAST IN PLACE CLASS SI CONCRETE OR PRECAST REINFORCED CONCRETE SLAB

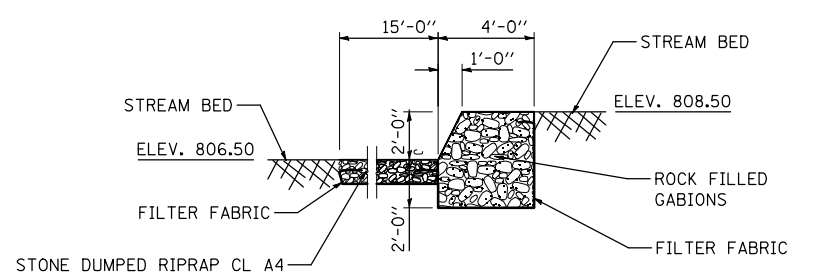


**PLAN**

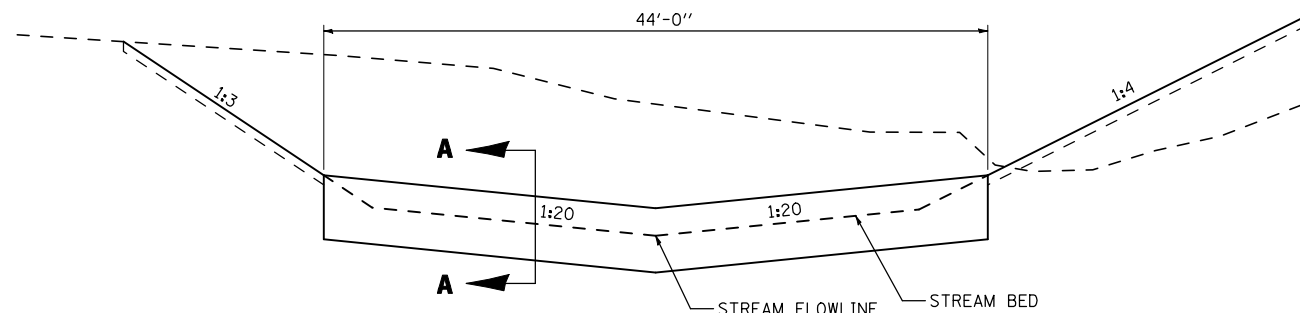
DIMENSION D =  
 1' NOMINAL OFFSET -  
 REDUCE TO 3" FOR  
 DRAINAGE STRUCTURE  
 No. 364, 388, 391, 423, 428, 448, 480,  
 481, 495, 497, 499, 604, 606, 607, 610,  
 615, 619, 622, 624, 626, 628, 629, 632,  
 636, 647, 654, 655, 656



**SECTION A-A**

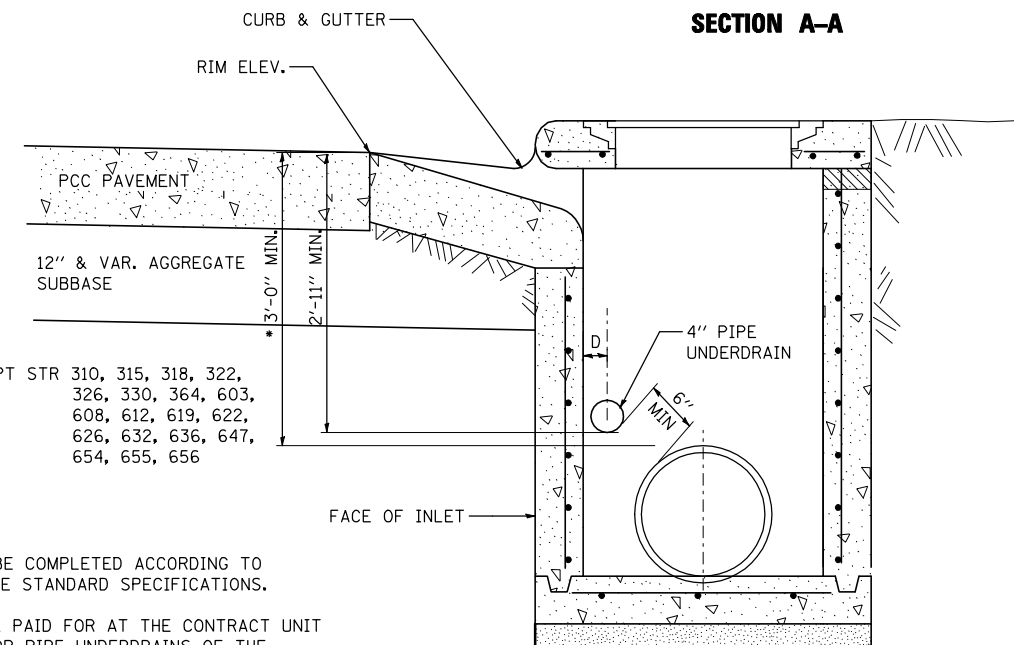


**SECTION A-A**



**SECTION THRU STREAM**

**GABIONS DETAIL**



**SECTION B-B**

**UNDERDRAIN DETAIL**

\* EXCEPT STR 310, 315, 318, 322, 326, 330, 364, 603, 608, 612, 619, 622, 626, 632, 636, 647, 654, 655, 656

**NOTES:**

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE FA-1 OR FA-2 AND THE CONNECTION TO THE INLET.

MINIMUM RADIUS OF PIPE BENDS SHALL BE 24". LARGER RADII MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED.

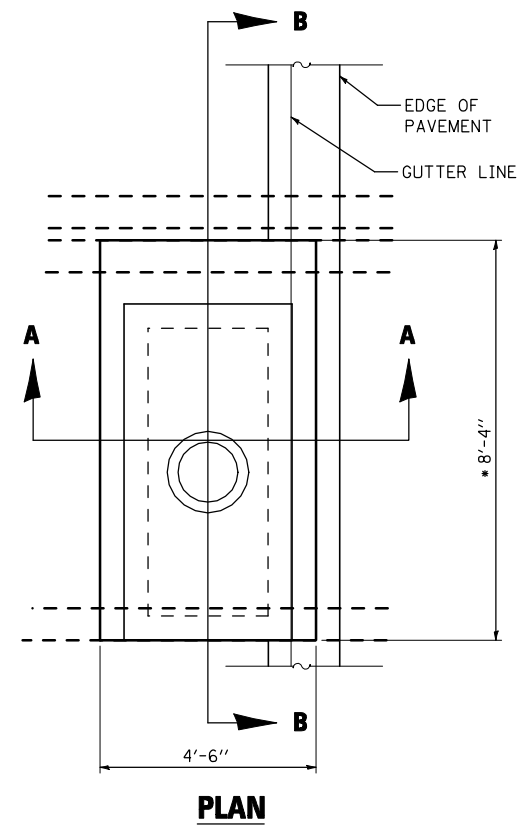
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THE UPCHURCH GROUP, INC.	PLOT SCALE = 2.000' / IN.	DRAWN - RMH	REVISED -
	PLOT DATE = 5/1/2013 3:19:43 PM	CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

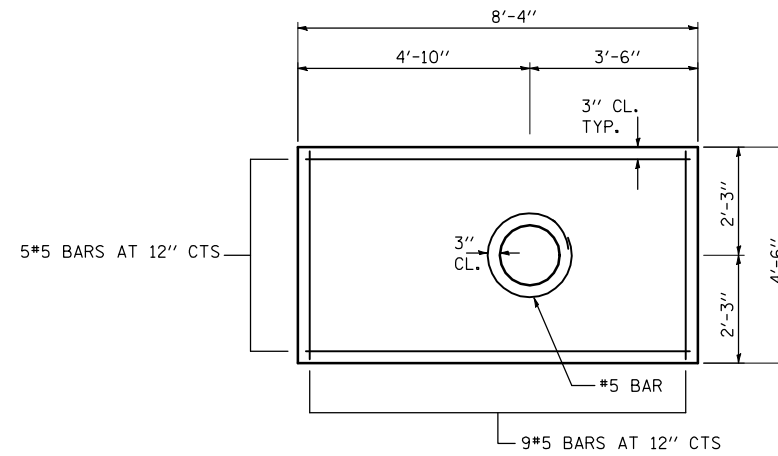
**DRAINAGE DETAILS  
 ROCK RIFFLE, DITCH CHECK SPECIAL, UNDERDRAIN**

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

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 445
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

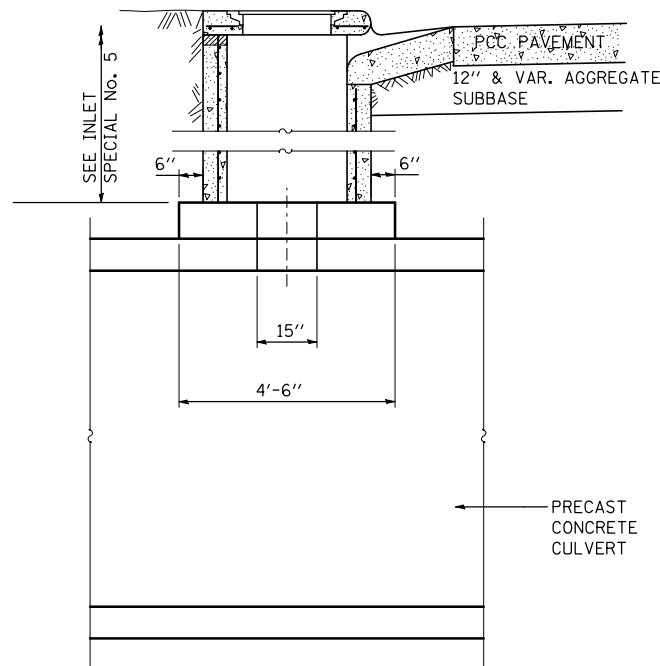


**PLAN**

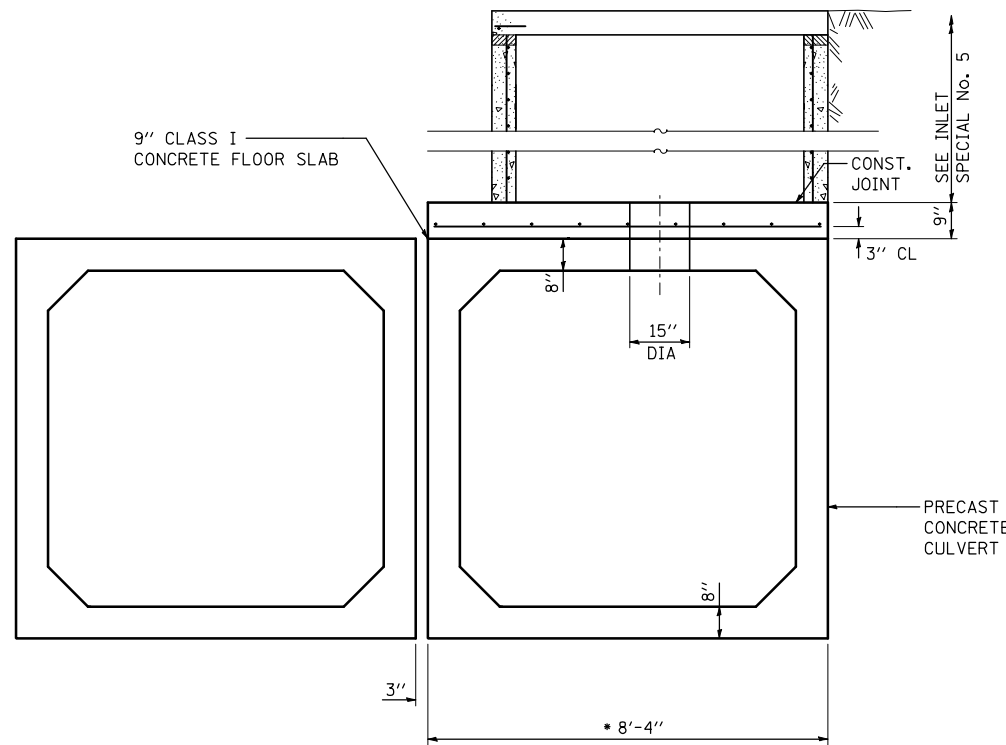


**PLAN ON FLOOR SLAB**

• CONTRACTOR TO VERIFY DIMENSIONS



**SECTION A-A**



**SECTION B-B**

**NOTES:**

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 602 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION OF INLET SPECIAL No. 5 MODIFIED SHALL BE IN ACCORDANCE WITH DISTRICT 2 STANDARD INLET SPECIAL No. 5 AND THE DETAILS SHOWN HERE ON.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL No. 5 MODIFIED SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED) AND CUTTING THE HOLE IN THE TOP OF THE PRECAST CONCRETE CULVERT.

FILE NAME = ... \200793DR-DTLS34.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
<b>THE UPCHURCH GROUP, INC.</b>	PLOT SCALE = 2.000' / IN.	DRAWN - RMH	REVISED -
	PLOT DATE = 5/1/2013 3:20:21 PM	CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

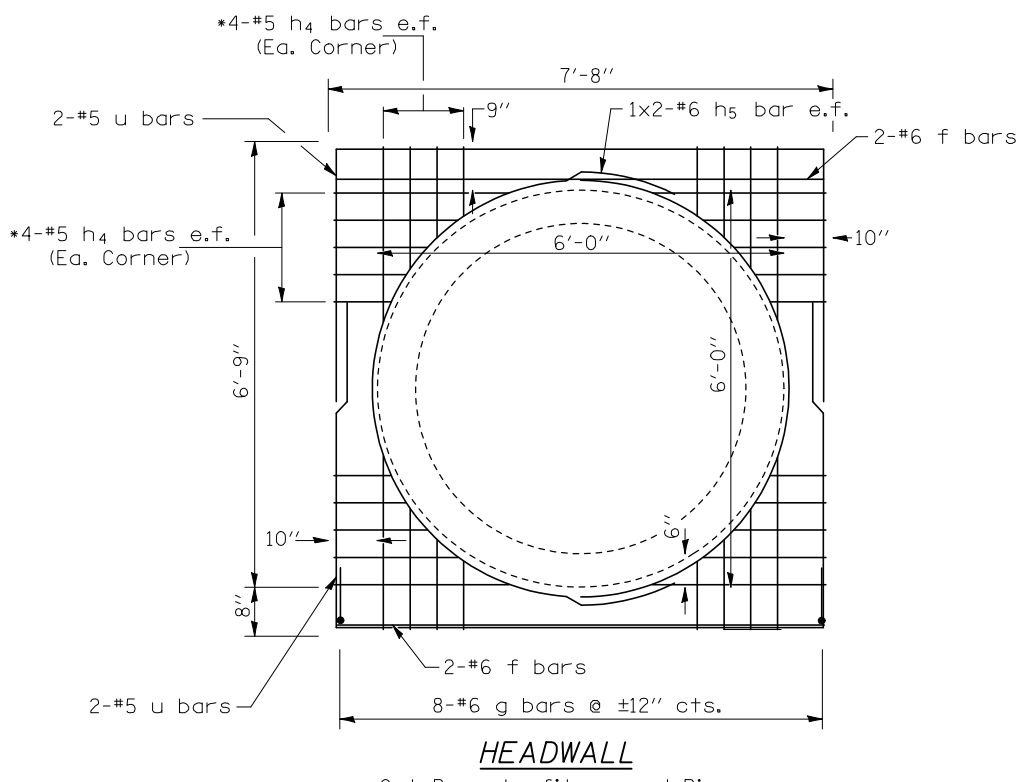
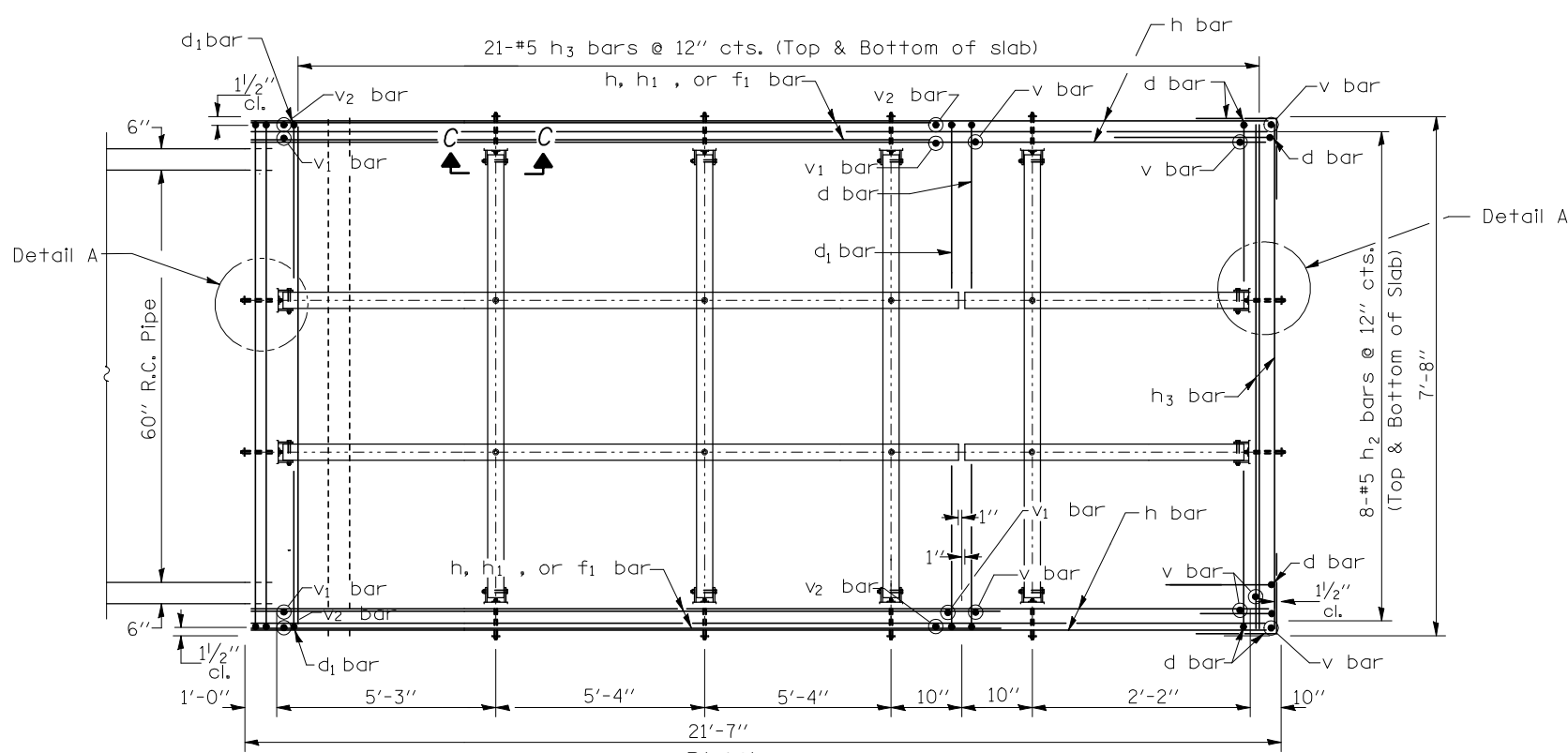
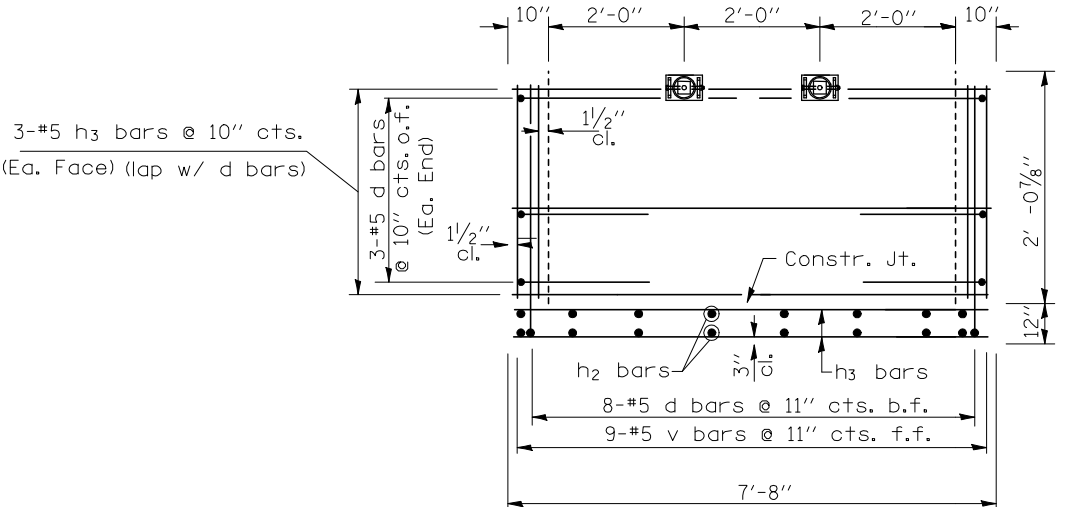
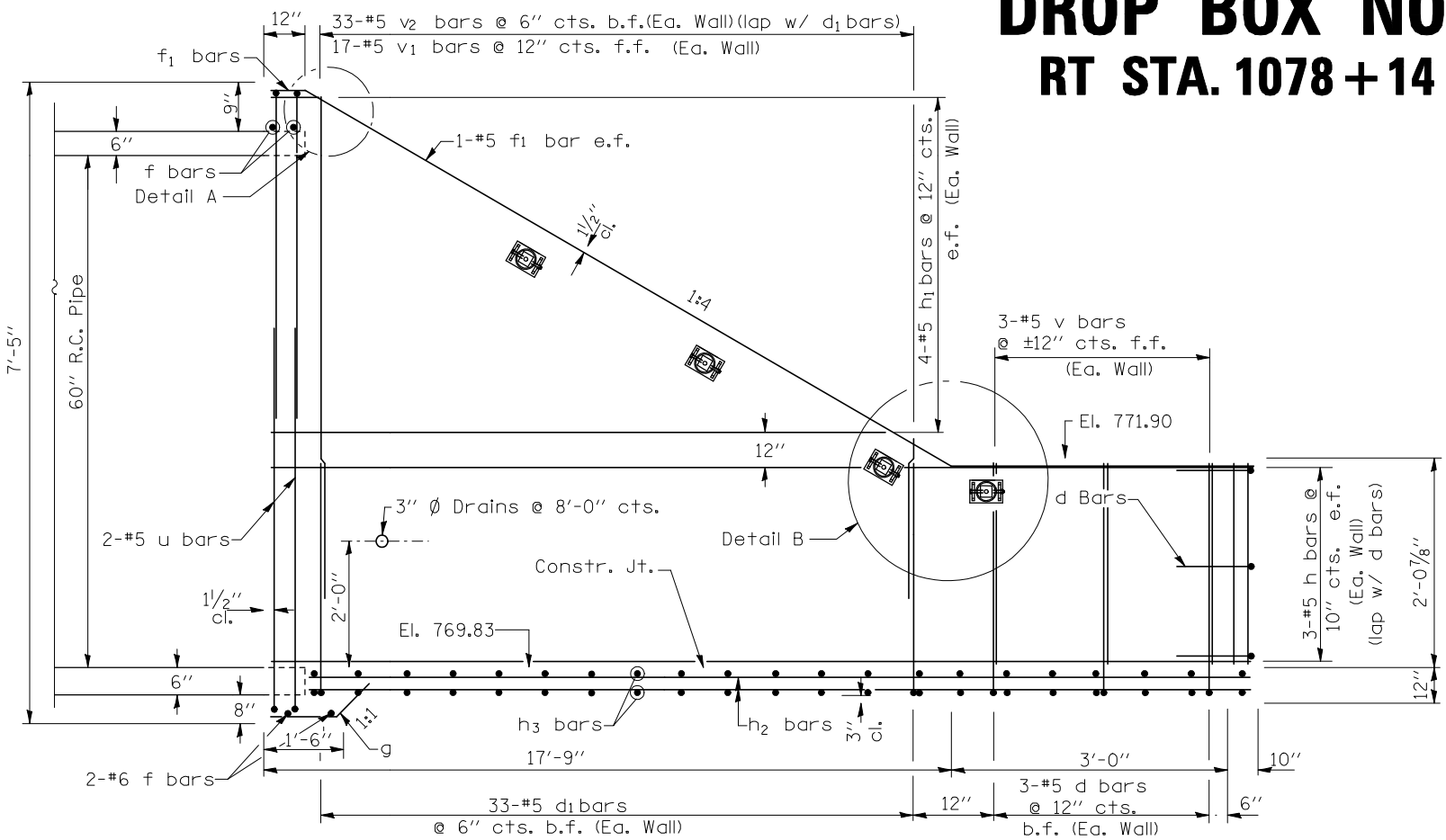
**DRAINAGE DETAILS  
INLET, SPECIAL, NO. 5 (MODIFIED) STA 232+03.09, 21' LT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	446
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

# DROP BOX NO. 1

## RT STA. 1078+14



FILE NAME = ...CADDD SHEETS\Z007930R-DTLS2.dgn  
**THE UPCHURCH GROUP, INC.**

USER NAME = Elgin 110  
 DESIGNED - MJS  
 DRAWN - LMP  
 CHECKED - RLH  
 PLOT SCALE = 20.0000' / IN.  
 PLOT DATE = 5/1/2013 3:21:21 PM

REVISIONS  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -  
 DATE - APRIL 30, 2013

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

**DRAINAGE DETAILS**  
**DROP BOX NO. 1**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	447
				CONTRACT NO. 64988
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

# DROP BOX NO. 1

## RT STA. 1078+14

### GENERAL NOTES

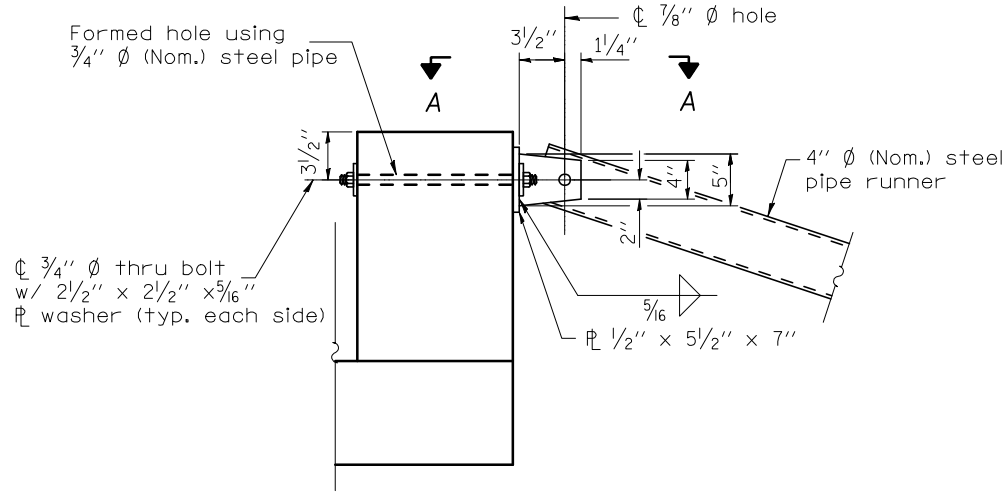
This work shall be paid for at the contract unit price per Each for Drop Box No. 1. This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications. Contractor shall field verify Galvanized pipe length. Exposed edges shall be beveled 3/4". Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted. All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B. Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise. Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 1. All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 1. Precast alternate is allowed. See Plan & Profile Sheet for more information. See Cross Section Sheet for more information.

### BILL OF MATERIAL

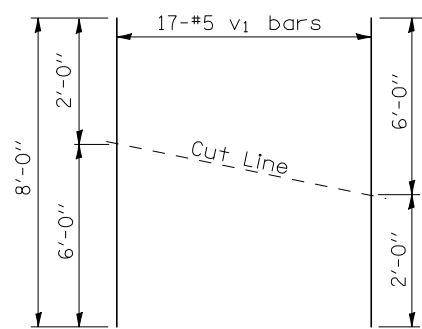
(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
d	5	20	5'-4"	
d1	5	66	6'-2"	
f	6	4	7'-5"	
f1	5	4	18'-0"	
g	6	8	2'-5"	
h	5	12	21'-3"	
h1	5	8	14'-6"	
h2	5	16	20'-3"	
h3	5	48	7'-5"	
h4	5	64	2'-9"	
h5	6	4	13'-8"	
v	5	15	1'-11"	
v1	5	17	8'-0"	
v2	5	33	8'-0"	
u	5	4	16'-9"	
DESCRIPTION			UNIT	QTY
CONCRETE STRUCTURES			CU YD	12.1
REINFORCEMENT BARS			LB	2570
DESCRIPTION			UNIT	QTY.
4" GALVANIZED STEEL PIPE			4@	5'-7"
			2@	17'-0"
			2@	2'-9"
3/4" GALVANIZED STEEL BOLTS			EACH	8
END ASSEMBLY			EACH	4
SIDE ASSEMBLY			EACH	8

\*\*\* Includes all hardware and steel for Assemblies

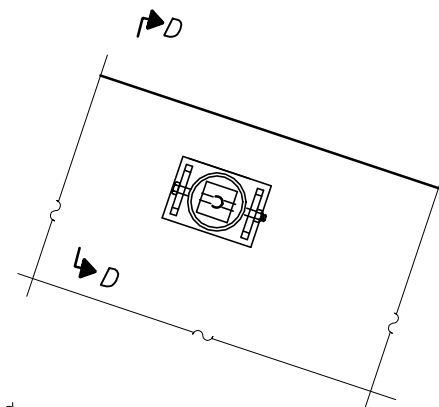


DETAIL A



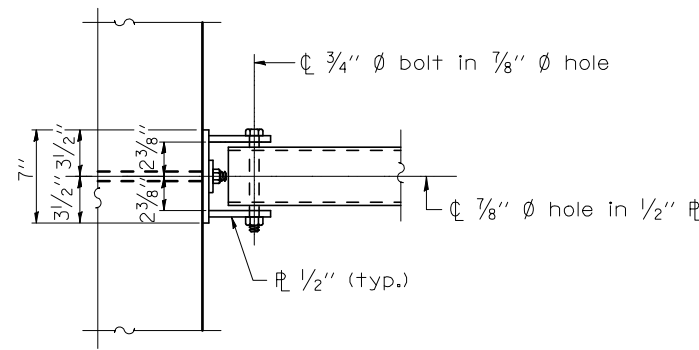
BAR CUTTING DIAGRAM

\*Order v1 bars full length. Cut as shown and use remainder of bars in opposite wall.

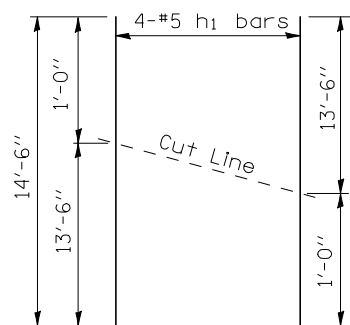


SECTION C-C

(See Detail A for dimensions and details not shown.)

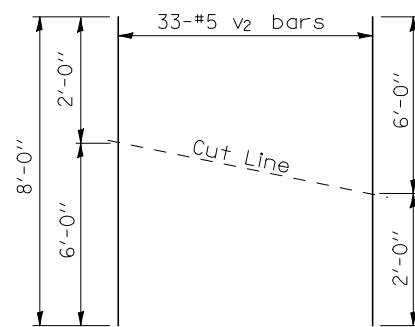


VIEW A-A



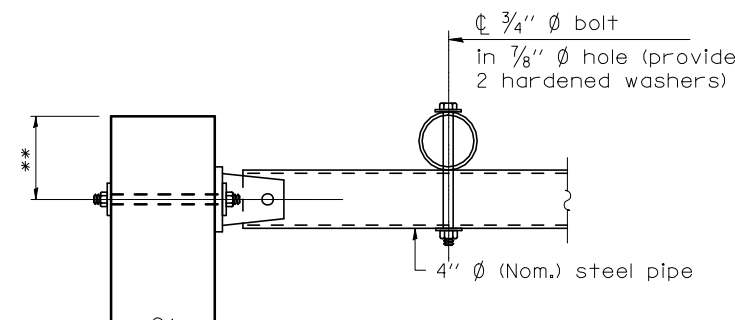
BAR CUTTING DIAGRAM

\*Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.



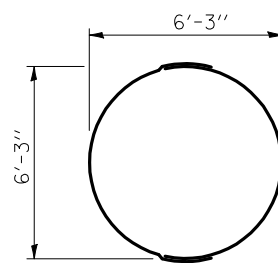
BAR CUTTING DIAGRAM

\*Order v2 bars full length. Cut as shown and use remainder of bars in opposite wall.

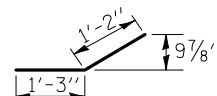


SECTION D-D

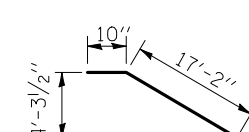
\*\* Measured perpendicular to top of wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the drop box.



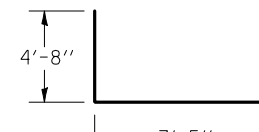
BAR h5 (PAIR)



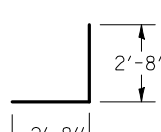
BAR g



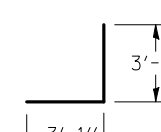
BAR f1



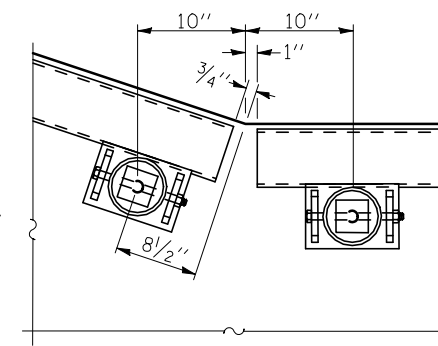
BAR u



BAR d



BAR d1



DETAIL B

FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
...\\CADD SHEETS\2007930R-DTL52.dgn		DRAWN - LMP	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS  
DROP BOX NO. 1

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	448
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				

THE UPCHURCH GROUP, INC.





# DROP BOX NO. 2 RT STA. 1095 + 44

## GENERAL NOTES

This work shall be paid for at the contract unit price per Each for Drop Box No. 2  
This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications.  
Contractor shall field verify Galvanized pipe length  
Exposed edges shall be beveled 3/4".  
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60  
All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.  
All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.  
Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.  
Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.  
Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.  
Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.  
All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 2  
All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 2. Precast alternate is allowed.  
See Plan & Profile Sheet for more information.  
See Cross Section Sheet for more information.

## BILL OF MATERIAL (For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
d	5	24	5'-0"	┌
d1	5	42	5'-4"	┌
f	6	4	7'-5"	—
f1	5	4	11'-6"	—
g	6	8	2'-5"	—
h	5	12	17'-5"	—
h1	5	6	12'-4"	—
h2	5	16	17'-5"	—
h3	5	42	7'-5"	—
h4	5	64	2'-6"	—
h5	5	4	11'-6"	—
v	5	19	1'-6"	—
v1	5	11	5'-9"	—
v2	5	22	5'-9"	—
u	5	4	15'-0"	┌

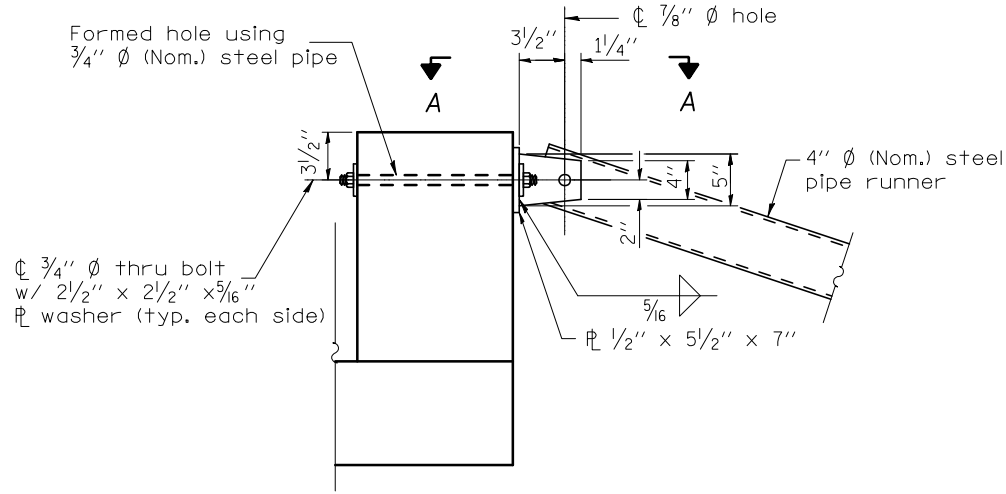
  

DESCRIPTION	UNIT	QTY
CONCRETE STRUCTURES	CU YD	8.6
REINFORCEMENT BARS	LB	1900

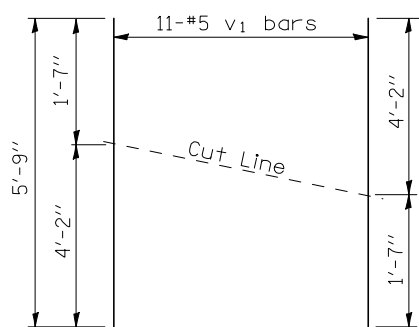
  

DESCRIPTION	UNIT	QTY.
4" GALVANIZED STEEL PIPE	3@	5'-7"
	2@	10'-11"
	2@	4'-9"
3/4" Ø GALVANIZED STEEL BOLTS	EACH	6
END ASSEMBLY	EACH	4
SIDE ASSEMBLY	EACH	6

\*\*\* Includes all hardware and steel for Assemblies

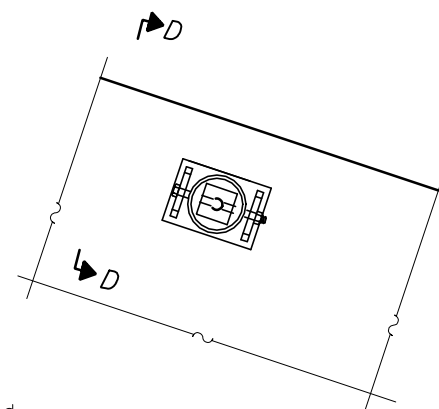


DETAIL A



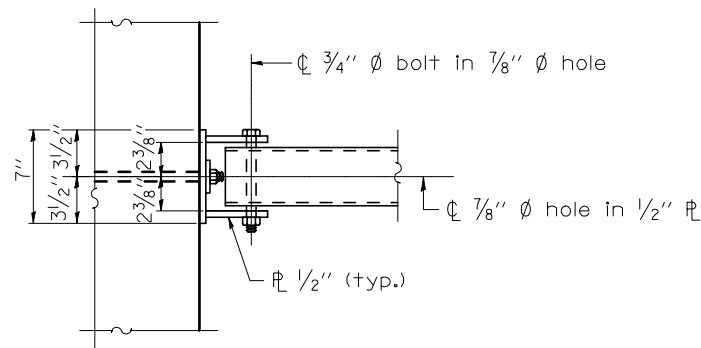
BAR CUTTING DIAGRAM

\*Order v1 bars full length. Cut as shown and use remainder of bars in opposite wall.

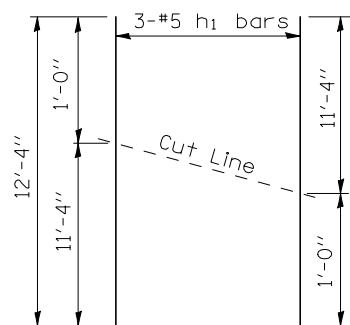


SECTION C-C

(See Detail A for dimensions and details not shown.)

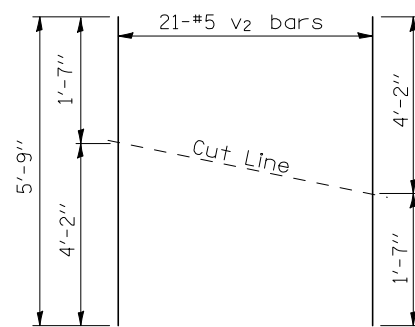


VIEW A-A



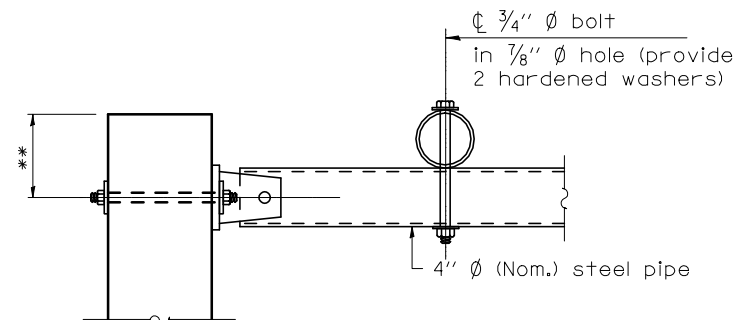
BAR CUTTING DIAGRAM

\*Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.



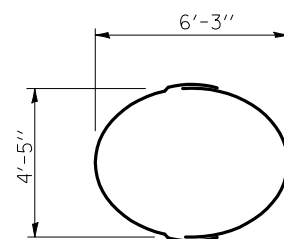
BAR CUTTING DIAGRAM

\*Order v2 bars full length. Cut as shown and use remainder of bars in opposite wall.



SECTION D-D

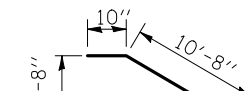
\*\* Measured perpendicular to top of wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the drop box.



BAR h5 (PAIR)



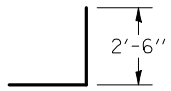
BAR g



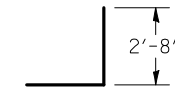
BAR f1



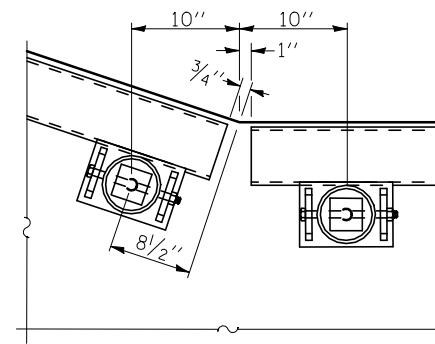
BAR u



BAR d



BAR d1



DETAIL B

FILE NAME = ...\\CADD SHEETS\Z007930R-DTLS2.dgn	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
PLOT SCALE = 20.0000' / IN.	CHECKED - RLH	DRAWN - LMP	REVISED -
PLOT DATE = 5/1/2013 3:22:23 PM	DATE - APRIL 30, 2013		REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS  
DROP BOX NO. 2

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	450
			CONTRACT NO. 64988	
ILLINOIS FED. AID PROJECT				



# DROP BOX NO. 3

## RT STA. 1109 + 01

### GENERAL NOTES

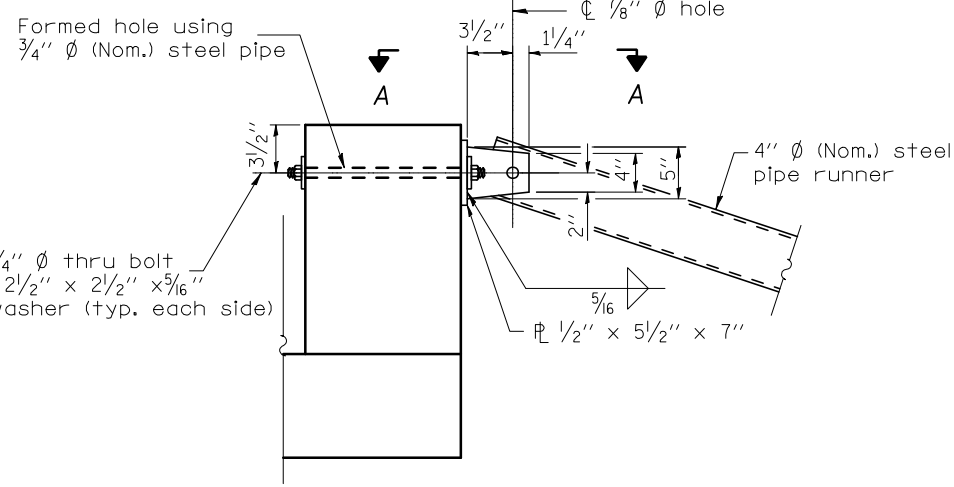
This work shall be paid for at the contract unit price per Each for Drop Box No. 3. This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications. Contractor shall field verify Galvanized pipe length. Exposed edges shall be beveled 3/4". Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted. All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B. Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise. Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 3. All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 3. Precast alternate is allowed. See Plan & Profile Sheet for more information. See Cross Section Sheet for more information.

### BILL OF MATERIAL

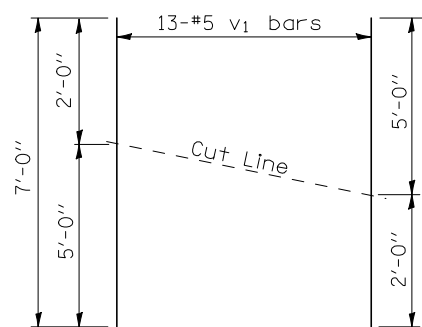
(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE	
d	5	20	5'-4"		
d1	5	48	6'-2"		
f	6	4	6'-5"		
f1	5	4	13'-0"		
g	6	7	2'-5"		
h	5	12	18'-0"		
h1	5	6	10'-0"		
h2	5	14	18'-0"		
h3	5	42	6'-5"		
h4	5	64	2'-6"		
h5	6	4	10'-3"		
v	5	15	1'-11"		
v1	5	13	7'-0"		
v2	5	24	6'-10"		
u	5	4	13'-7"		
DESCRIPTION			UNIT	QTY	
CONCRETE STRUCTURES			CU YD	8.8	
REINFORCEMENT BARS			LB	1790	
DESCRIPTION				UNIT	QTY.
4" GALVANIZED STEEL PIPE				3@	4'-7"
				2@	12'-6"
				2@	3'-9"
3/4" GALVANIZED STEEL BOLTS				EACH	6
END ASSEMBLY				EACH	4
SIDE ASSEMBLY				EACH	6

\*\*\* Includes all hardware and steel for Assemblies

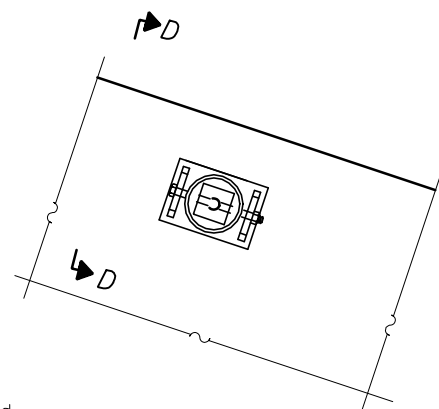


DETAIL A



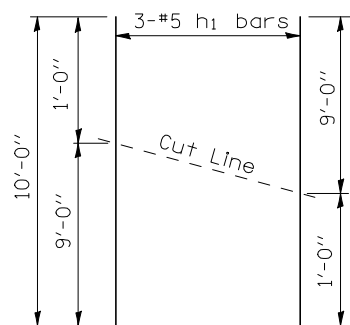
BAR CUTTING DIAGRAM

\*Order v1 bars full length. Cut as shown and use remainder of bars in opposite wall.



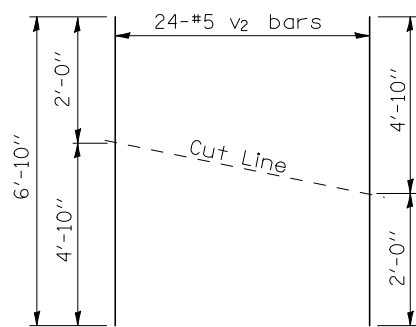
SECTION C-C

(See Detail A for dimensions and details not shown.)



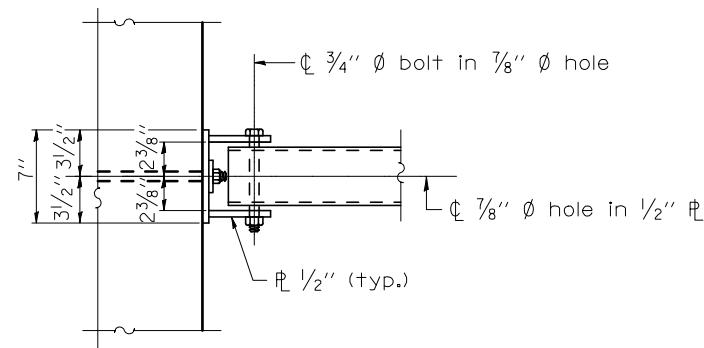
BAR CUTTING DIAGRAM

\*Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.

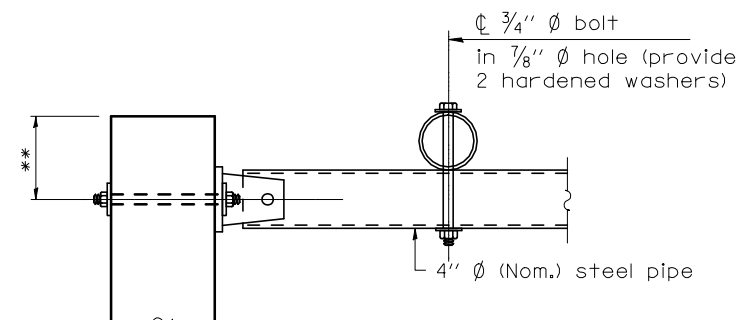


BAR CUTTING DIAGRAM

\*Order v2 bars full length. Cut as shown and use remainder of bars in opposite wall.

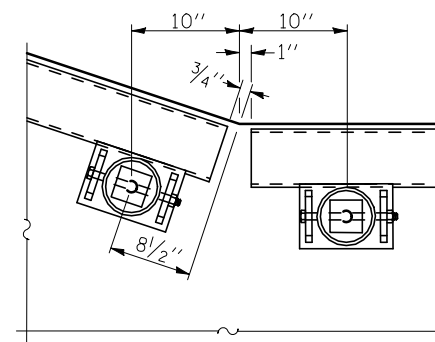


VIEW A-A

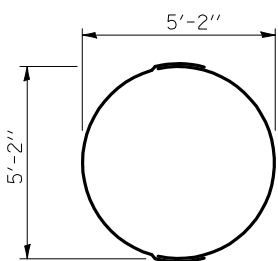


SECTION D-D

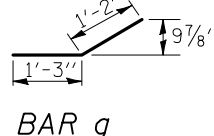
\*\* Measured perpendicular to top of wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the drop box.



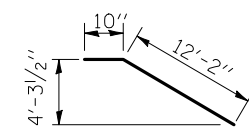
DETAIL B



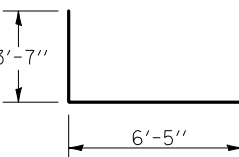
BAR h5 (PAIR)



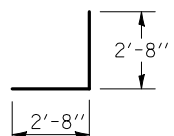
BAR g



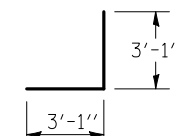
BAR f1



BAR u



BAR d

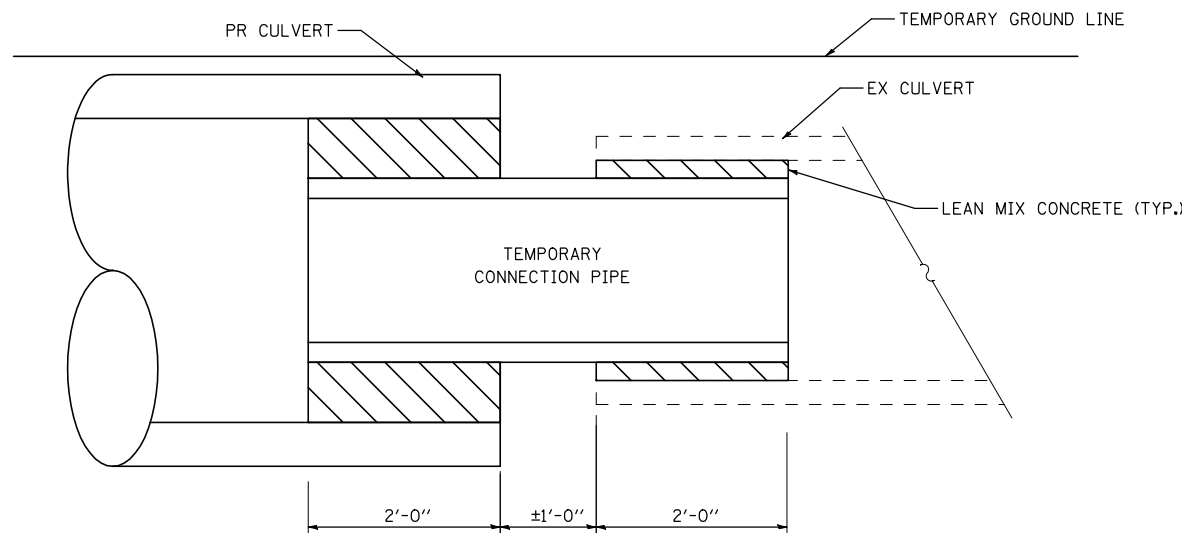


BAR d1

FILE NAME =	USER NAME = Elgin 110	DESIGNED - MJS	REVISED -
...\\CADD SHEETS\2007930R-DTL52.dgn		DRAWN - LMP	REVISED -
		CHECKED - RLH	REVISED -
		DATE - APRIL 30, 2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

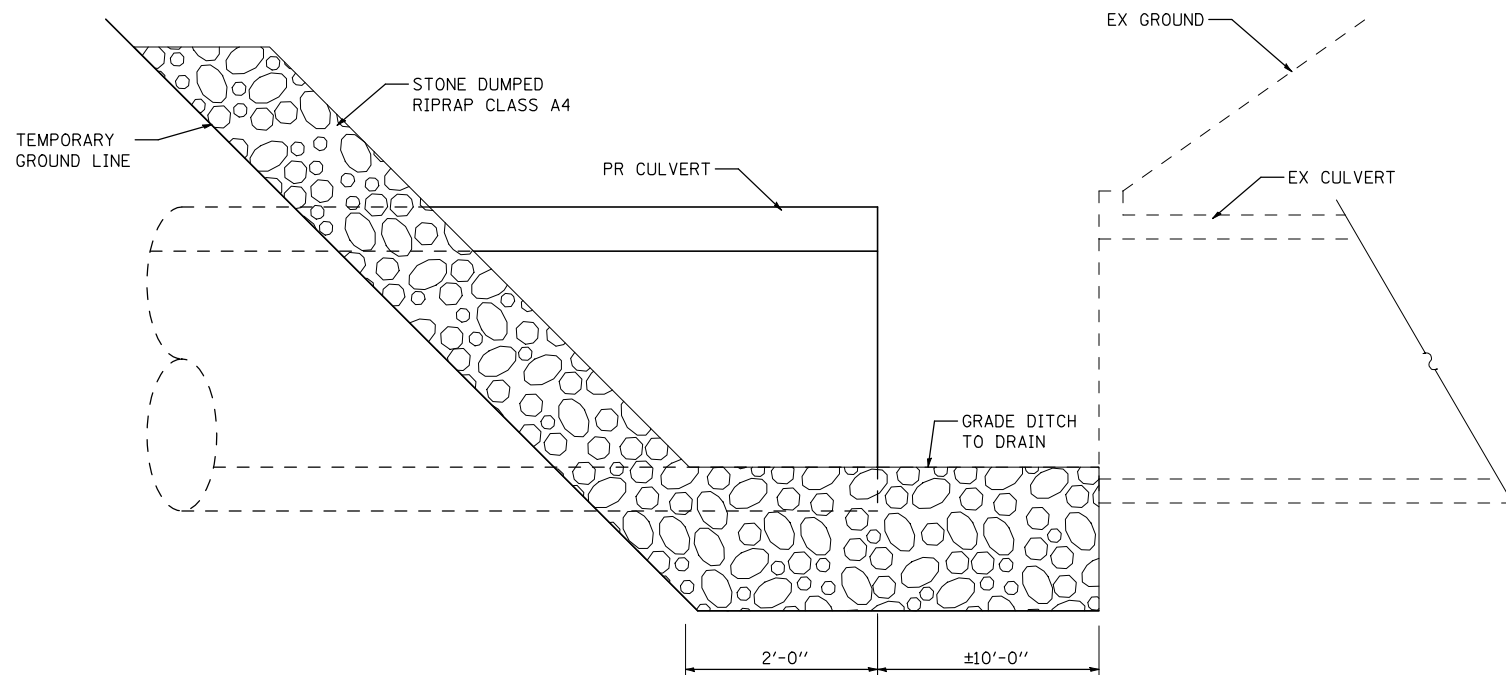
DRAINAGE DETAILS		DROP BOX NO. 3		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		SHEET NO. 2 OF 2 SHEETS		303	129R	WINNEBAGO	968	452
		STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 64988		



**TEMPORARY DRAINAGE CONNECTION – BURIED**

TEMPORARY CONNECTION PIPE	
LOCATION	NO. AND SIZE
STA 1066+80	2 - 18" Ø
STA 1073+16	1 - 21" Ø
STA 1075+47	1 - 24" Ø
STA 1078+14	1 - 60" Ø
STA 1095+44	
STA 1109+01	
STA 1119+05	
STA 1125+39	
STA 1130+86	

1. EXTEND EXISTING 60" RCCP PIPE IN STAGE 1 TO OUTLET IN REALIGNED STREAM AND CONSTRUCT NORTH HALF OF NEW CULVERT.
2. ABANDON AND FILL EXISTING PIPE IN STAGE 2 AFTER THE PROPOSED CULVERT IS COMPLETE.



**TEMPORARY DRAINAGE CONNECTION – OPEN**

**NOTES:**

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FLOW OF DRAINAGE DURING THE CONSTRUCTION OF CULVERTS AND EMBANKMENT. THESE DETAILS ARE ONLY ONE METHOD OF MAINTAINING FLOW DURING THE CONSTRUCTION OF THE CROSSROAD CULVERTS DURING DIFFERENT STAGES OF CONSTRUCTION.

CONSTRUCTION OF THE TEMPORARY DRAINAGE CONNECTION SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN HERE ON.

THE COST OF CONSTRUCTING AND REMOVING THE TEMPORARY DRAINAGE CONNECTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERTS, CLASS A OF THE TYPE AND SIZE SPECIFIED.

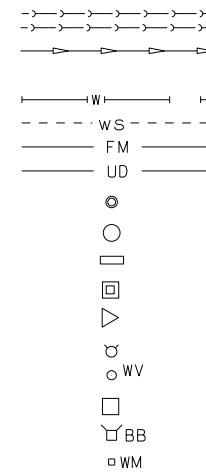
**GENERAL NOTES**

- CONTACT ED RICE AT NORTH PARK PUBLIC WATER DISTRICT AT 815-633-5461 AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF SUCH FACILITIES AND IDOT, AND ARE NOT NECESSARILY COMPLETE. CONTACT JULIE FOR UTILITY LOCATES 3 WORKING DAYS PRIOR TO EXCAVATION.
- PROTECT EXISTING UNDERGROUND UTILITIES AND BUILDING SERVICE LINES FROM DAMAGE. MAKE SUCH EXPLORATION AS IS NECESSARY TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES. EXERCISE CARE DURING THE PROGRESS OF WORK IN THE AREA TO PREVENT DAMAGE TO EXISTING UNDERGROUND UTILITIES.
- COORDINATE WITH UTILITY COMPANIES TO SUPPORT, PROTECT, OR REMOVE AND REPLACE ALL POWER POLES OR POLE ANCHORS THAT ARE AFFECTED BY CONSTRUCTION, EVEN WHERE SUPPORT IS NOT INDICATED ON PLAN SHEETS. PERFORMED AS INCIDENTAL TO CONSTRUCTION.
- PROVIDE TRAFFIC CONTROL AS REQUIRED IN ACCORDANCE WITH THE STATE OF ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" AND THE LOCAL GOVERNMENTAL AUTHORITY DURING CONSTRUCTION.
- COMPLY WITH THE SPECIAL PROVISIONS; THE NORTH PARK PUBLIC WATER DISTRICT REQUIREMENTS; AND THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" DURING CONSTRUCTION.
- COMPLY WITH ALL OSHA RULES AND REGULATIONS DURING CONSTRUCTION.
- PROVIDE TEMPORARY EROSION CONTROL DEVICES PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITIES AND AS NEEDED TO CONTAIN SEDIMENT FROM THE CONSTRUCTION ACTIVITIES.
- MINIMIZE SURFACE DISTURBANCE FROM THE CONSTRUCTION ACTIVITIES ACROSS PRIVATE PROPERTIES.
- IF TRENCH DEWATERING IS REQUIRED, PROTECT ADJOINING PROPERTIES AND DISCHARGE LOCATIONS FROM EROSION. FILTER ALL DISCHARGE THROUGH SILT BAGS OR TEMPORARY SEDIMENT BASINS.
- OVER EXCAVATE SOFT, SPONGY, OR OTHER UNSUITABLE SOIL ENCOUNTERED AT THE BOTTOM OF THE PIPE BARREL OR MANHOLE BOTTOM, AND REPLACE WITH GRANULAR MATERIAL IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- DO NOT OPERATE THE VALVES ON EXISTING WATER MAINS. THE EMPLOYEES OF THE NORTH PARK PUBLIC WATER DISTRICT WILL OPEN AND CLOSE THE VALVES AS REQUIRED FOR CONNECTIONS.
- RECONNECT EXISTING DRAIN TILES DISTURBED DURING TRENCHING OPERATIONS WITH SAME SIZE AND MATERIAL DRAIN TILE, OR PVC SDR 26, WITH WATERTIGHT COUPLINGS.
- PROTECT ALL PAVED AREAS FROM DAMAGE WHERE CRAWLER-TRACK MACHINERY IS USED.
- DO NOT STORE MATERIALS, STRUCTURES, OR MACHINES WHERE THEY WILL OBSTRUCT STREET CROSSING OR DRIVEWAY SIGHTLINES.
- RE-ESTABLISH PRE-EXISTING DRAINAGE PATTERNS IMMEDIATELY AFTER BACKFILLING AND DURING FINAL GRADING.
- ALL PROPOSED STRUCTURE ELEVATIONS ARE APPROXIMATE. ADJUST ALL VALVE VAULT RIMS, VALVE BOXES, AND HYDRANTS TO FINISHED GRADE AS REQUIRED AT THE TIME OF PAVEMENT INSTALLATION OR FINISHED GRADING.
- COVER ALL NEW HYDRANTS WITH BLACK PLASTIC BAGS AFTER INSTALLATION AND UNTIL NEW WATER MAIN IS IN SERVICE.
- NOTIFY THE NORTH PARK PUBLIC WATER DISTRICT OF ANY CONFLICTS BETWEEN THE PROPOSED WATER MAIN AND EXISTING UTILITIES AT LEAST 3 WORKING DAYS PRIOR TO WATER MAIN INSTALLATION.
- COORDINATE AND SCHEDULE EACH REQUIRED WATER MAIN SHUT DOWN AND INTERRUPTION OF SERVICE WITH THE NORTH PARK PUBLIC WATER DISTRICT AT LEAST 3 WORKING DAYS PRIOR TO WATER MAIN SHUT DOWN. THE DISTRICT WILL WORK WITH THE CONTRACTOR TO DETERMINE THE LIMITS AND DURATION OF EACH SHUT DOWN. THE CONTRACTOR SHALL COMPLETE ALL WORK REQUIRED FOR EACH SHUT DOWN WITHIN 4 HOURS.
- INSTALL NEW WATER MAINS BELOW EXISTING WATER MAINS AND SERVICES. MAINTAIN A MINIMUM BURY OF 6'-6" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- JOINT DEFLECTION FOR PIPE AND FITTINGS SHALL NOT EXCEED 60% OF THE MANUFACTURERS MAXIMUM RECOMMENDED JOINT DEFLECTION.
- CASING PIPE USED TO CROSS SEWER PIPE SHALL BE WATER MAIN QUALITY PIPE OF DUCTILE IRON, STEEL, PVC, OR HDPE MATERIAL AT THE CONTRACTOR'S OPTION.

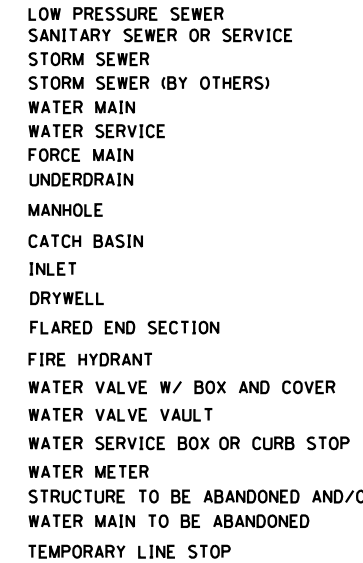
**PAY ITEM NOTES**

- |  |
|--|
| 1. FOR ALL NEW, ADJUSTED, AND RECONSTRUCTED VALVE VAULTS USE NEENAH R-1670-A FRAME AND GRATE, OR APPROVED EQUAL, WITH THE WORD "WATER" STAMPED ON THE LID. |
|--|

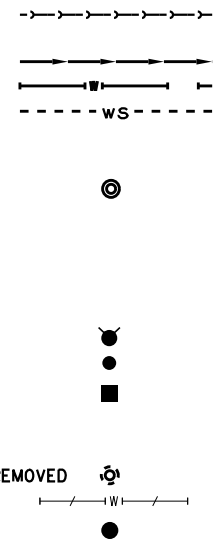
**EXISTING**



**LEGEND**



**PROPOSED**



**ABBREVIATIONS**

CONC	PORTLAND CEMENT CONCRETE
BIT	BITUMINOUS PAVEMENT
GR	GRAVEL
CMP	CORRUGATED METAL PIPE
FH	FIRE HYDRANT
CI	CAST IRON
DI	DUCTILE IRON
BM	BENCH MARK
INV EL	INVERT ELEVATION
CL EL	CENTERLINE ELEVATION
BC	BACK OF CURB
EOP	EDGE OF PAVEMENT
PL	PROPERTY LINE
ROW	RIGHT-OF-WAY
FL	FLOW LINE
TF	TOP OF FRAME
TC	TOP OF CURB OR CONCRETE
RJT	RESTRAINED JOINT TYPE PIPE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

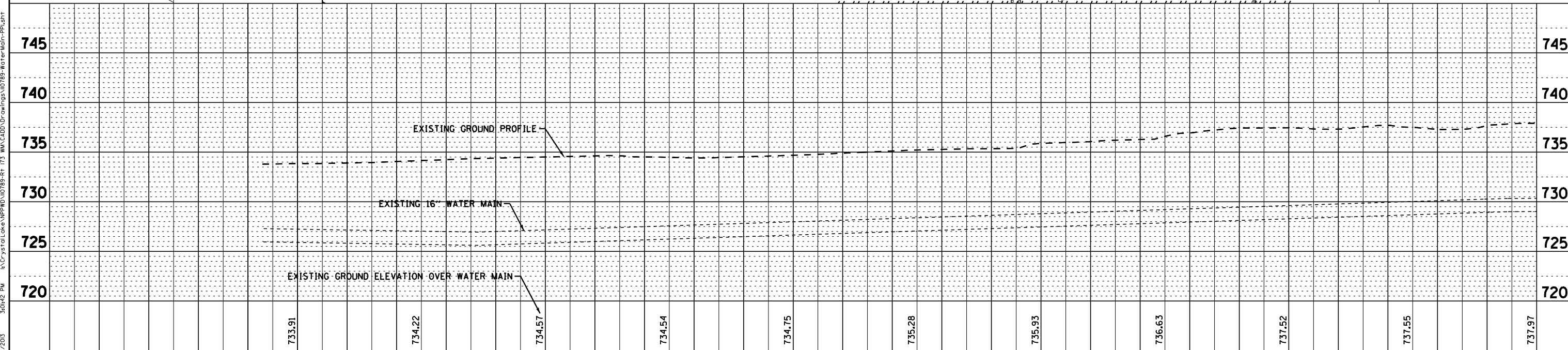
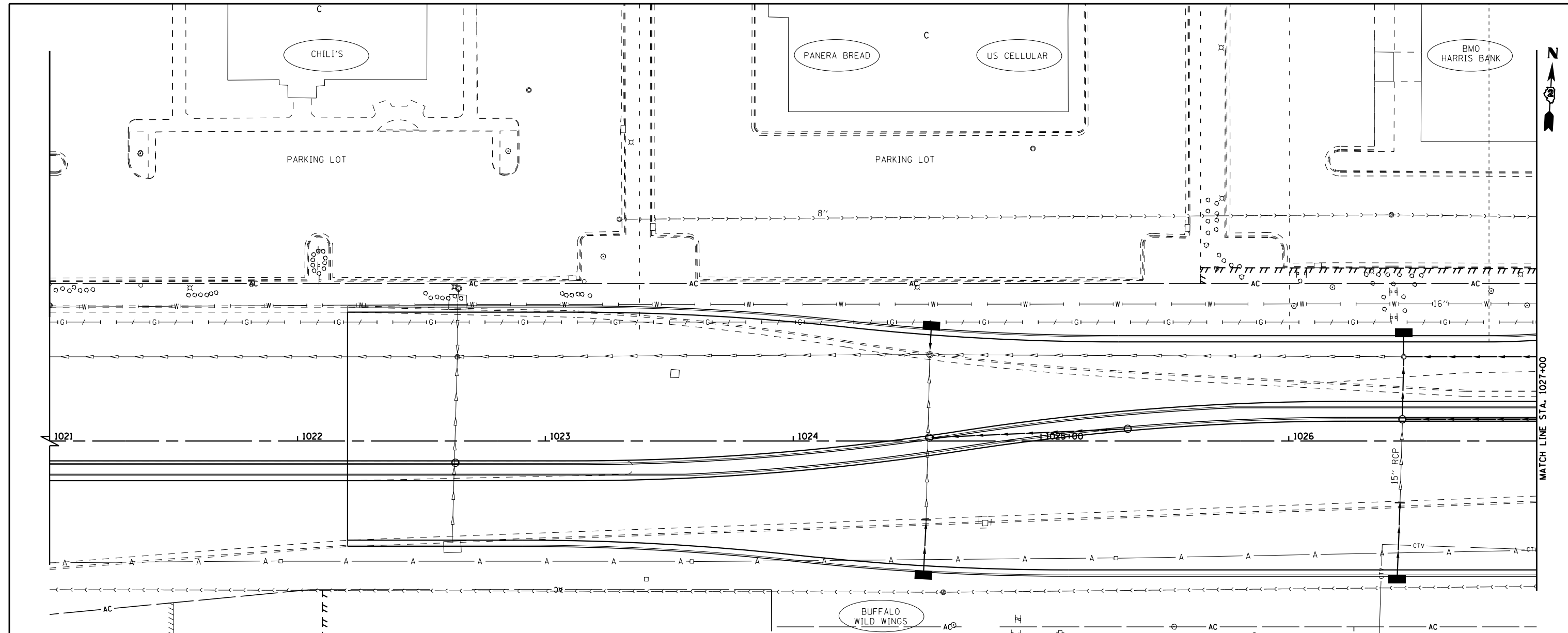
**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173 WATER MAIN RELOCATION  
GENERAL NOTES, LEGEND AND ABBREVIATIONS**

F.A.P. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 454
SCALE: NONE		STA. TO STA.	CONTRACT NO.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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 No. 184-00124/01/02/2013  
 560KCR  
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DESIGNED - MPK	REVISED -
DRAWN - KAR	REVISED -
CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-GenNotes.sht



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 ...\\dot\p\1\101789-WaterMain-PP1.sht



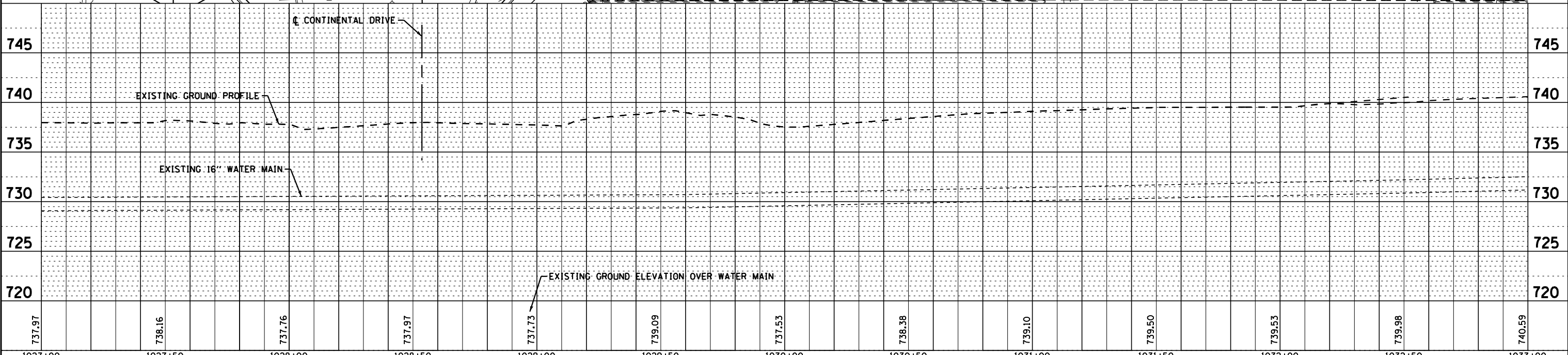
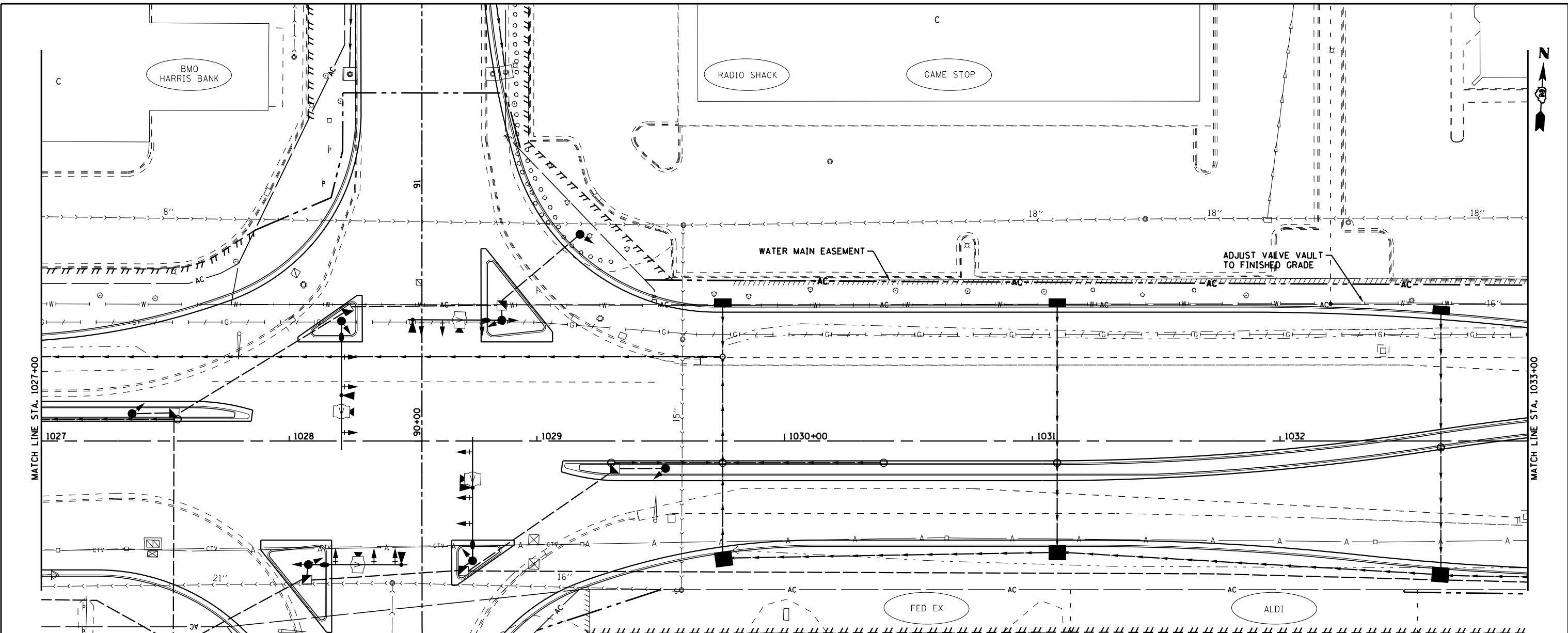
DESIGNED - MPK	REVISED -
DRAWN - KAR	REVISED -
CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-PP1.sht

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

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 1021+00 TO STA. 1027+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 455
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



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1027+00	1027+50	1028+00	1028+50	1029+00	1029+50	1030+00	1030+50	1031+00	1031+50	1032+00	1032+50	1033+00



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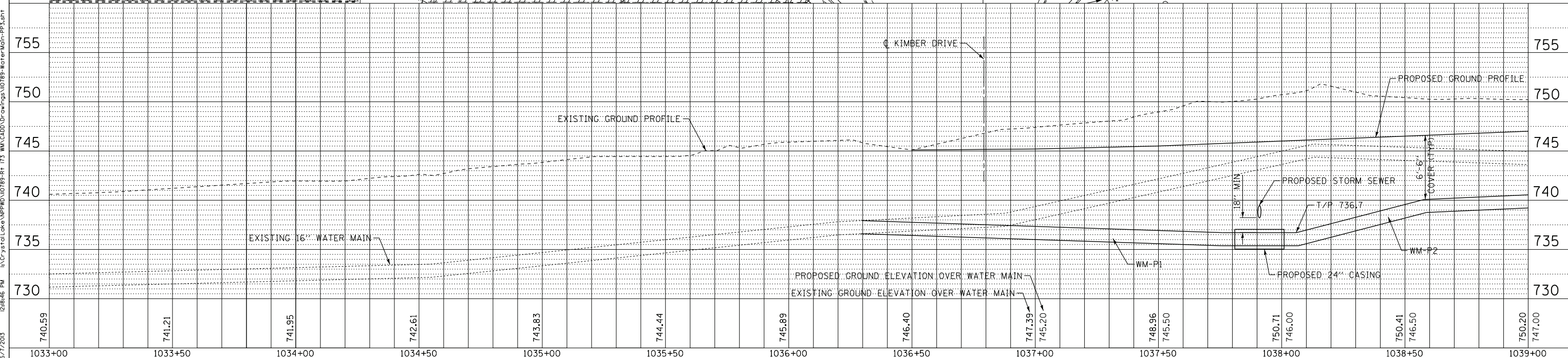
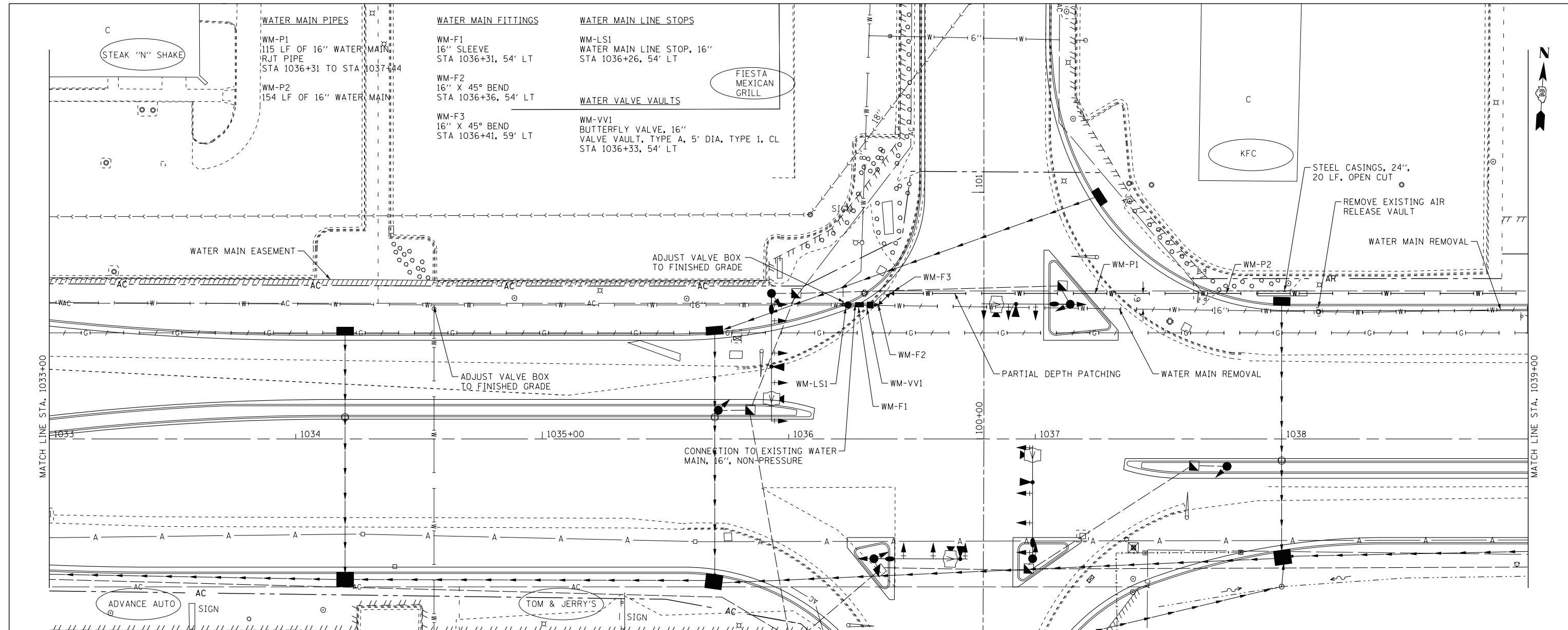
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**DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 1027+00 TO STA. 1033+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 456
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64988	





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**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 1033+00 TO STA. 1039+00

F.A.P. RE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 457
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 64988		

**WATER MAIN PIPES**

- WM-P3  
169 LF OF 16" WATER MAIN
- WM-P4  
5 LF OF 6" WATER MAIN  
RJT PIPE
- WM-P5  
58 LF OF 16" WATER MAIN  
RJT PIPE  
STA 1040+38 TO STA 1041+00

**WATER MAIN FITTINGS**

- WM-F4  
16" X 6" TEE  
STA 1040+72, 59' LT
- WM-F5  
16" X 45° BEND  
STA 1040+86, 59' LT
- WM-F6  
16" X 45° BEND  
STA 1040+90, 56' LT
- WM-F7  
16" SLEEVE  
STA 1041+00, 56' LT

**WATER MAIN LINE STOPS**

- WM-LS2  
WATER MAIN LINE STOP, 16"  
STA 1041+06, 56' LT

**WATER MAIN VALVE VAULTS**

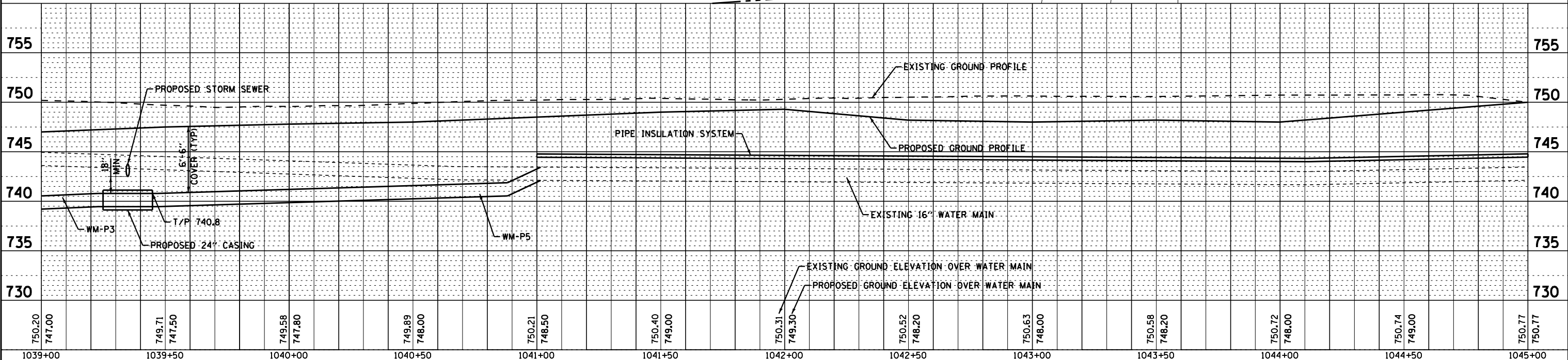
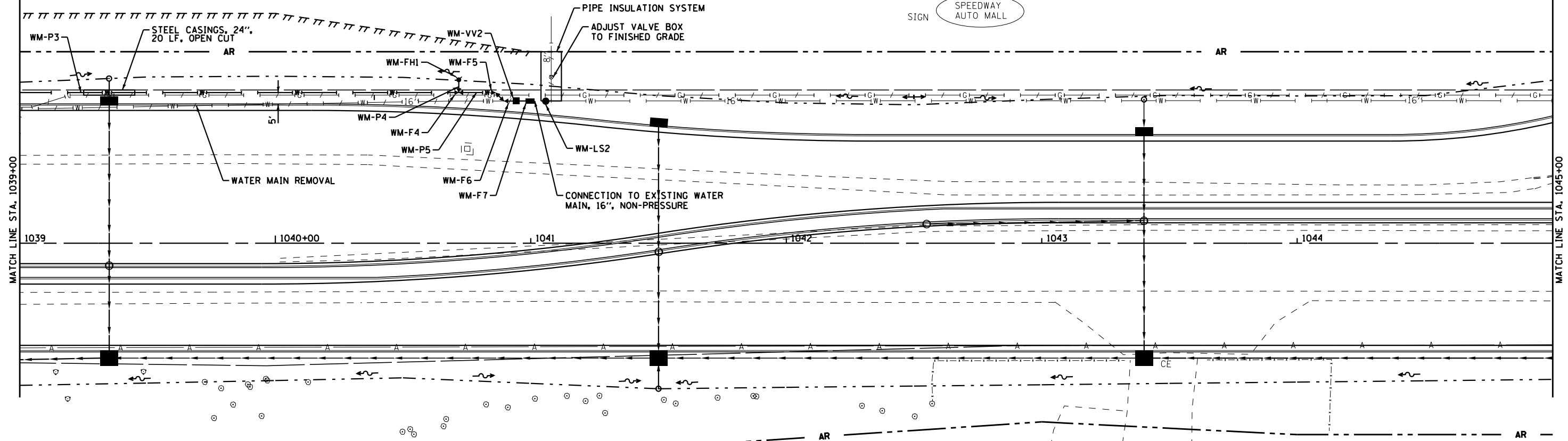
- WM-VV2  
BUTTERFLY VALVE, 16"  
VALVE VAULT, TYPE A, 5' DIA, TYPE 1, CL  
STA 1040+94, 56' LT

**FIRE HYDRANTS**

- WM-FH1  
W/AUXILIARY VALVE AND BOX  
STA 1040+72, 64' LT

**NOTE:**

EXCAVATE TO 12" OVER TOP OF EXISTING WATER MAIN AND INSTALL 4" RIGID INSULATION STA 1041+00 TO STA 1045+00; STA 1041+07, 46' LT TO 75' LT (8' WIDE)



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5' STA. 1039+00 TO STA. 1045+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 458
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	

**WATER MAIN PIPES**

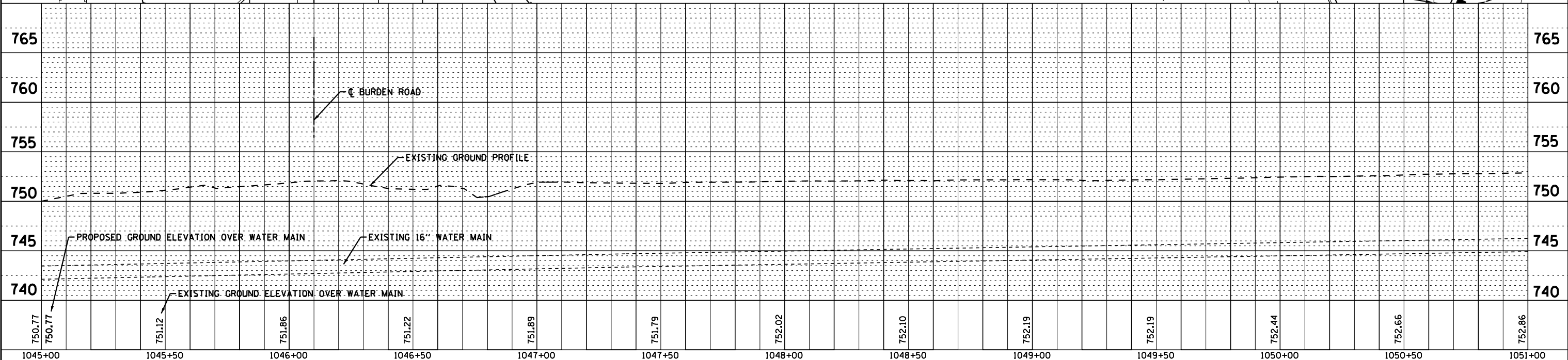
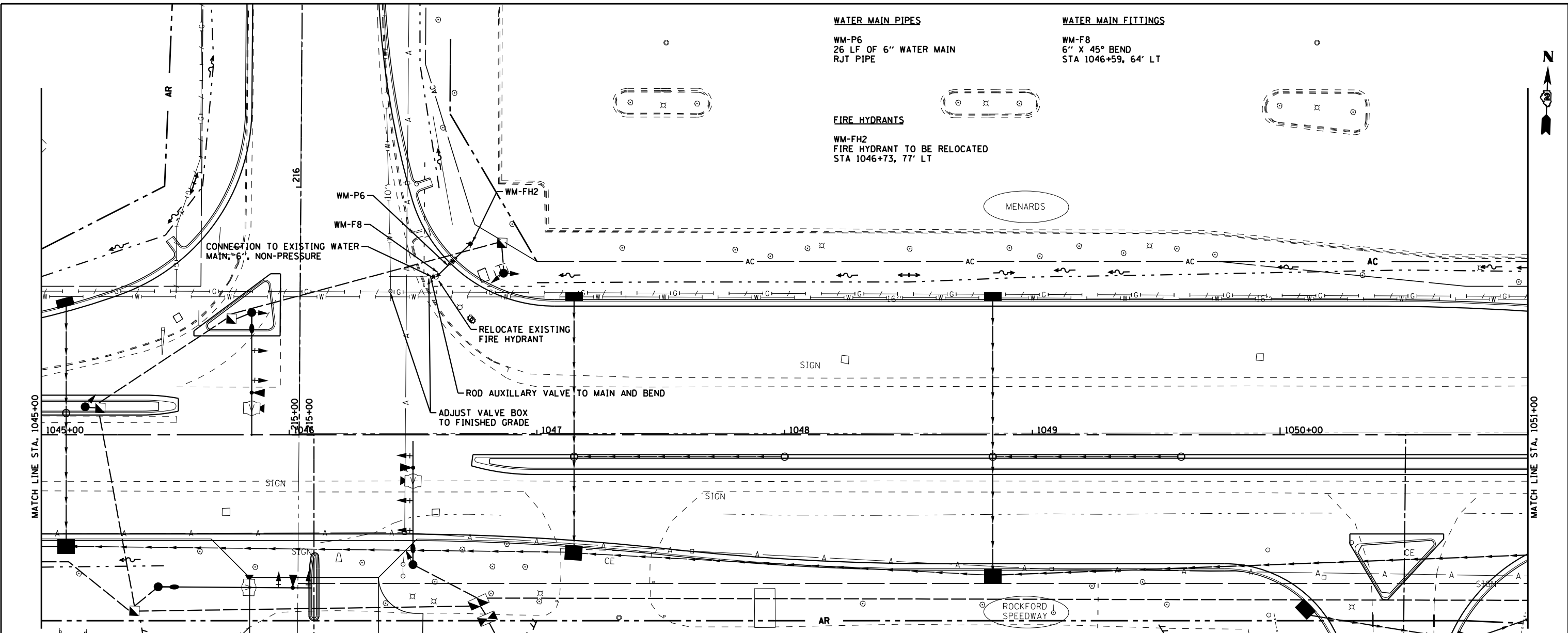
WM-P6  
26 LF OF 6" WATER MAIN  
RJT PIPE

**WATER MAIN FITTINGS**

WM-F8  
6" X 45° BEND  
STA 1046+59, 64' LT

**FIRE HYDRANTS**

WM-FH2  
FIRE HYDRANT TO BE RELOCATED  
STA 1046+73, 77' LT



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**STATE OF ILLINOIS  
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**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'

STA. 1045+00 TO STA. 1051+00

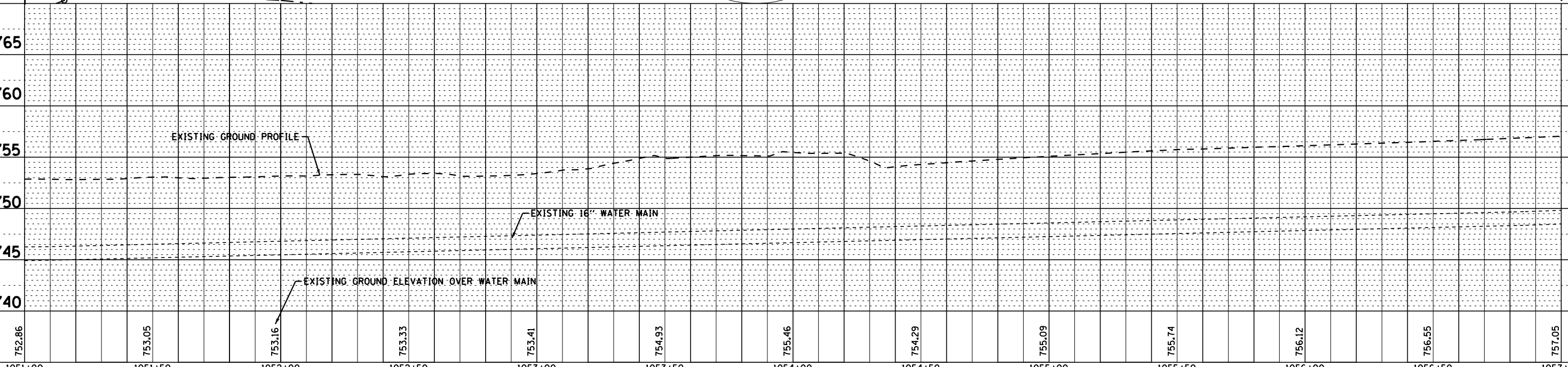
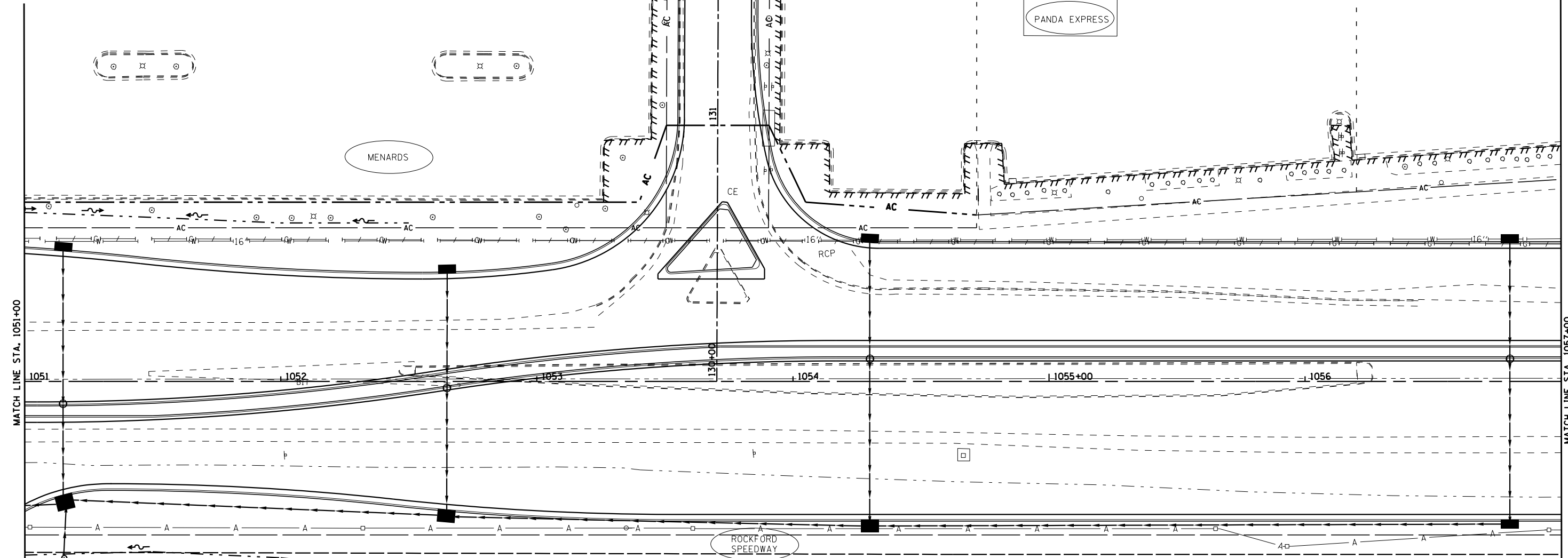
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 64988		



PANDA EXPRESS

MENARDS

ROCKFORD SPEEDWAY



752.86	753.05	753.16	753.33	753.41	754.93	755.46	754.29	755.09	755.74	756.12	756.55	757.05
1051+00	1051+50	1052+00	1052+50	1053+00	1053+50	1054+00	1054+50	1055+00	1055+50	1056+00	1056+50	1057+00

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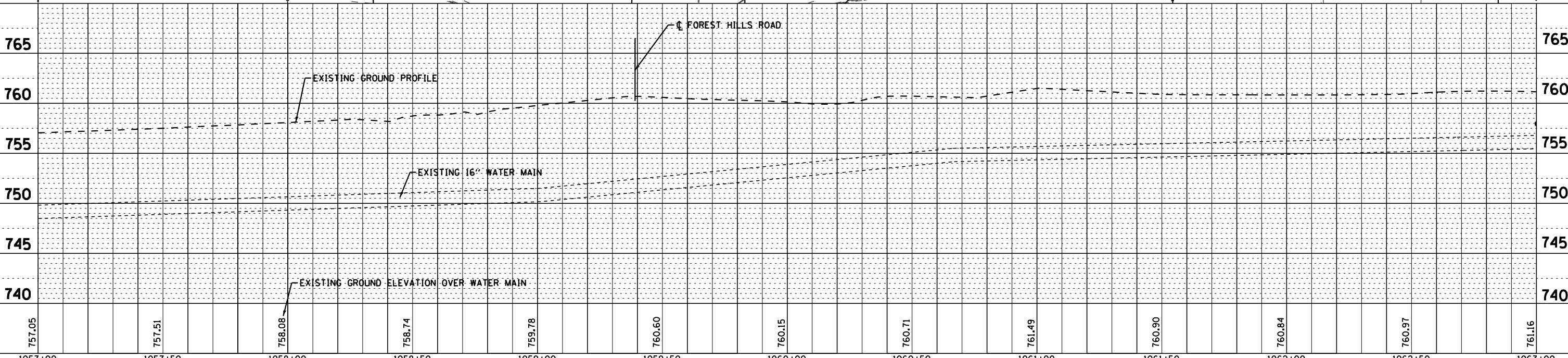
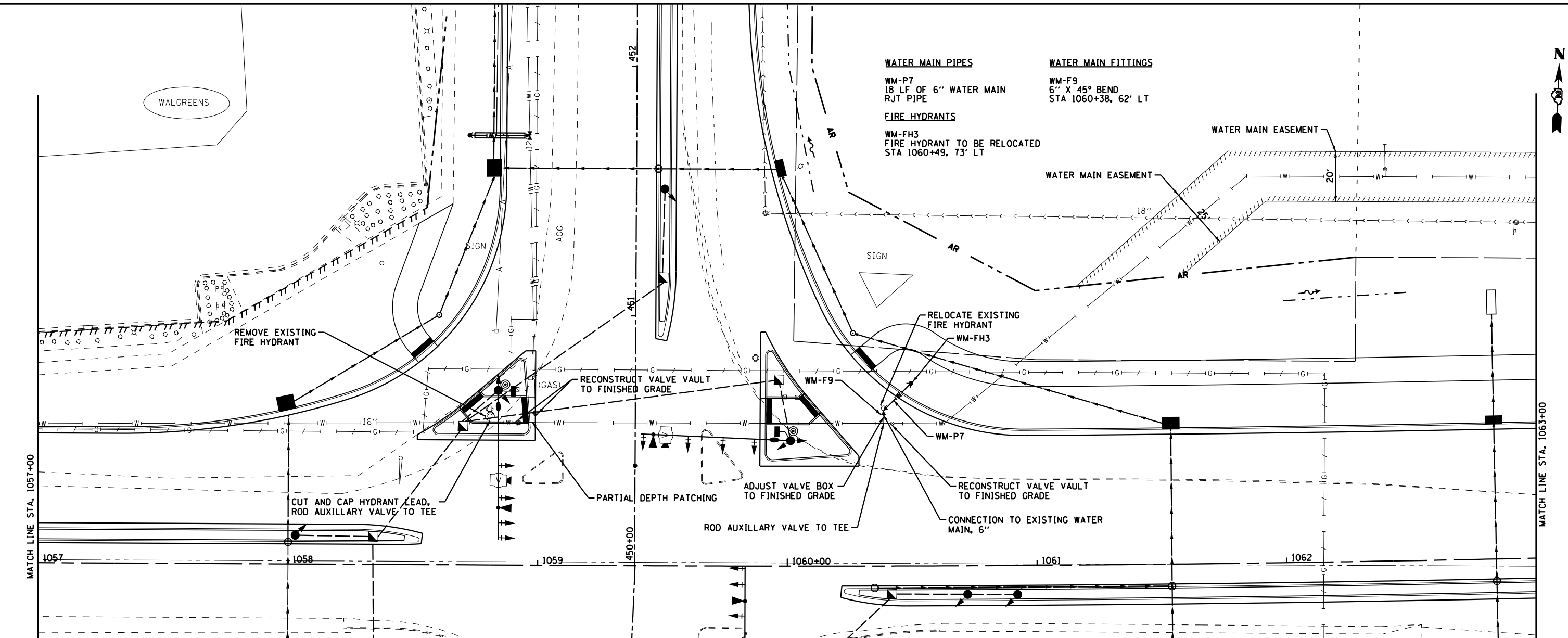
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION

SCALE: H: 1"=20' V: 1"=5'

STA. 1051+00 TO STA. 1057+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 460
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64988	



1057+00	1057+50	1058+00	1058+50	1059+00	1059+50	1060+00	1060+50	1061+00	1061+50	1062+00	1062+50	1063+00
757.05	757.51	758.08	758.74	759.78	760.60	760.15	760.71	761.49	760.90	760.84	760.97	761.16

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

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'  
 STA. 1057+00 TO STA. 1063+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 461
CONTRACT NO. 64988		ILLINOIS FED. AID PROJECT		

WATER MAIN LINE STOPS    WATER MAIN PIPES    WATER MAIN PIPES    WATER GATE VALVES    WATER VALVE VAULTS    WATER MAIN FITTINGS    WATER MAIN FITTINGS    WATER MAIN FITTINGS    WATER MAIN FITTINGS    WATER MAIN FITTINGS

WM-LS3  
WATER MAIN LINE STOP, 16"  
STA 1066+37, 139' LT

WM-P8  
65' LF OF 16" WATER MAIN  
RJT PIPE  
STA 1066+30 TO STA 1066+89

WM-P8A  
216' LF OF 16" WATER MAIN

WM-P8B  
115' LF OF 12" WATER MAIN  
RJT PIPE

WM-P8C  
7' LF OF 10" WATER MAIN  
RJT PIPE

WM-GV1  
12" GATE VALVE  
STA 1066+65, 146' LT

WM-GV2  
10" GATE VALVE  
STA 1067+35, 152' LT

WM-VV3  
VALVE VAULT, TYPE A,  
6' DIA, TYPE 1, CL  
STA 1066+30, 140' LT

WM-F10  
16" X 45° BEND  
ROD CAP TO MAIN  
STA 1066+50, 139' LT

WM-F11  
16" X 45° BEND  
STA 1066+30, 145' LT

WM-F12  
16" X 45° BEND  
STA 1066+35, 149' LT

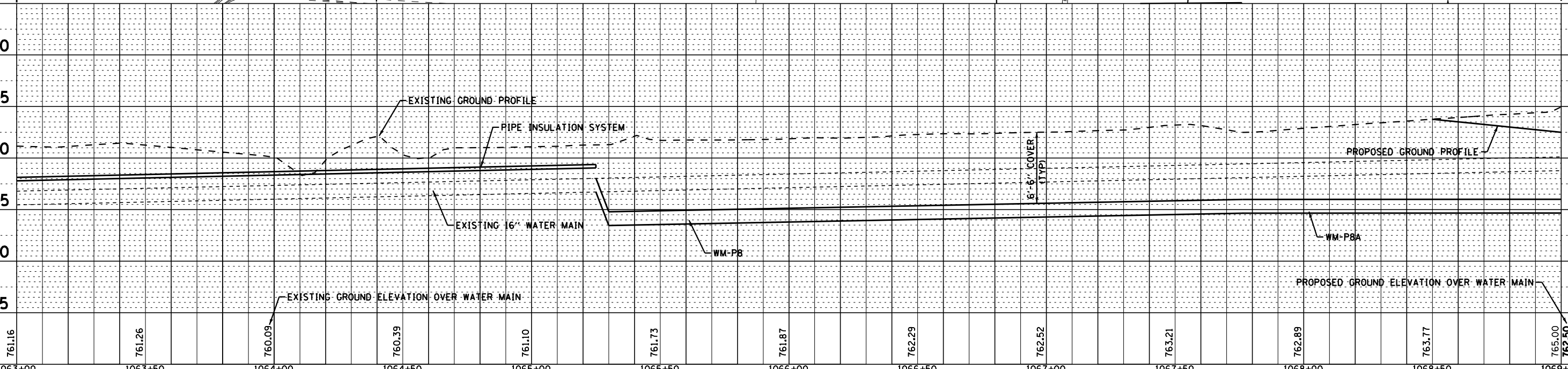
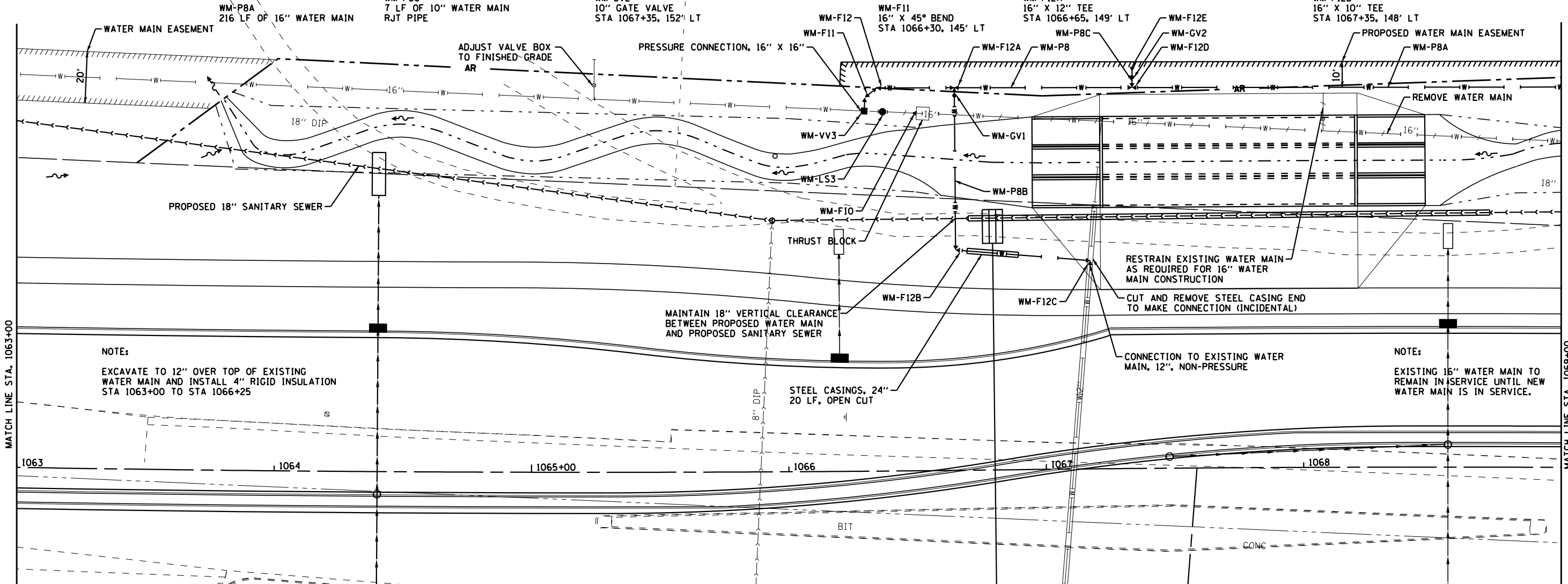
WM-F12A  
16" X 12" TEE  
STA 1066+65, 149' LT

WM-F12B  
12" X 90° BEND  
STA 1066+65, 86' LT

WM-F12C  
12" X 90° BEND  
STA 1067+18, 81' LT

WM-F12D  
16" X 10" TEE  
STA 1067+35, 148' LT

WM-F12E  
10" CAP  
ROD CAP TO MAIN  
STA 1067+35, 155' LT



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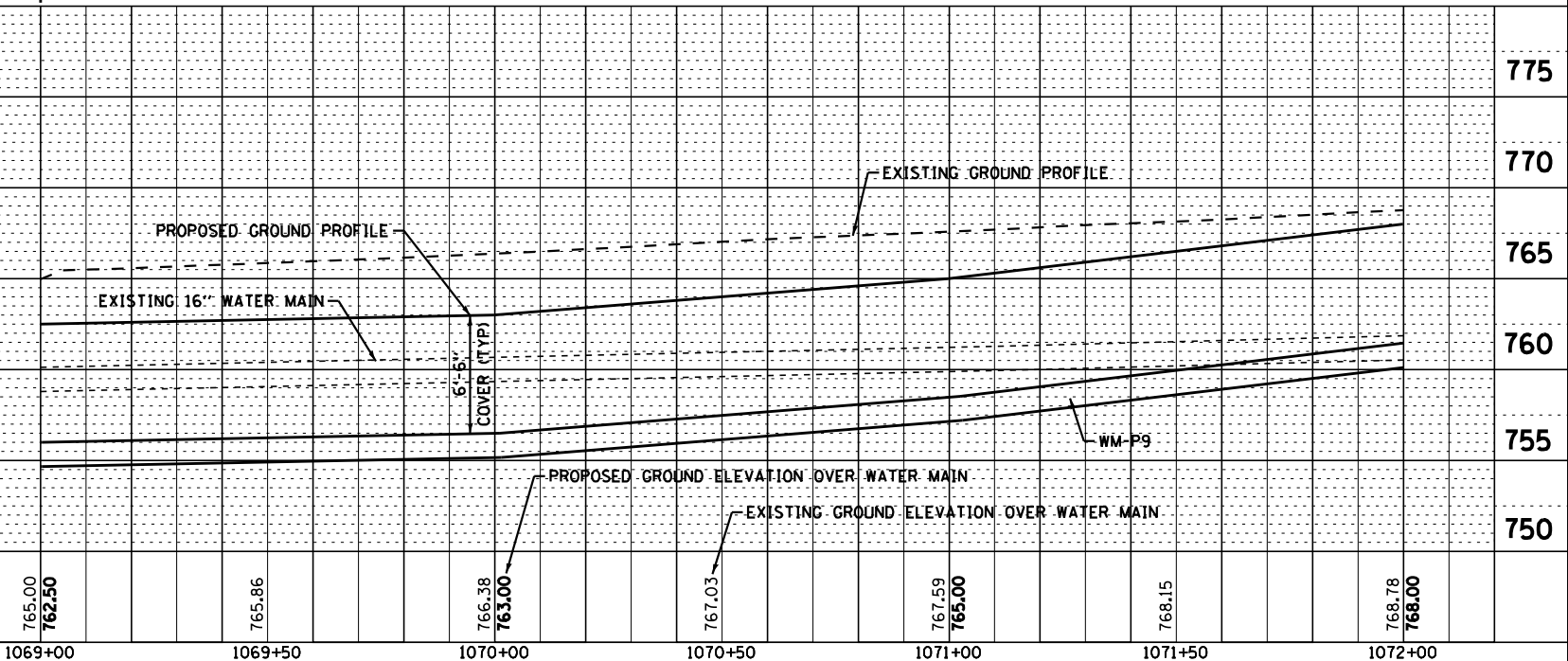
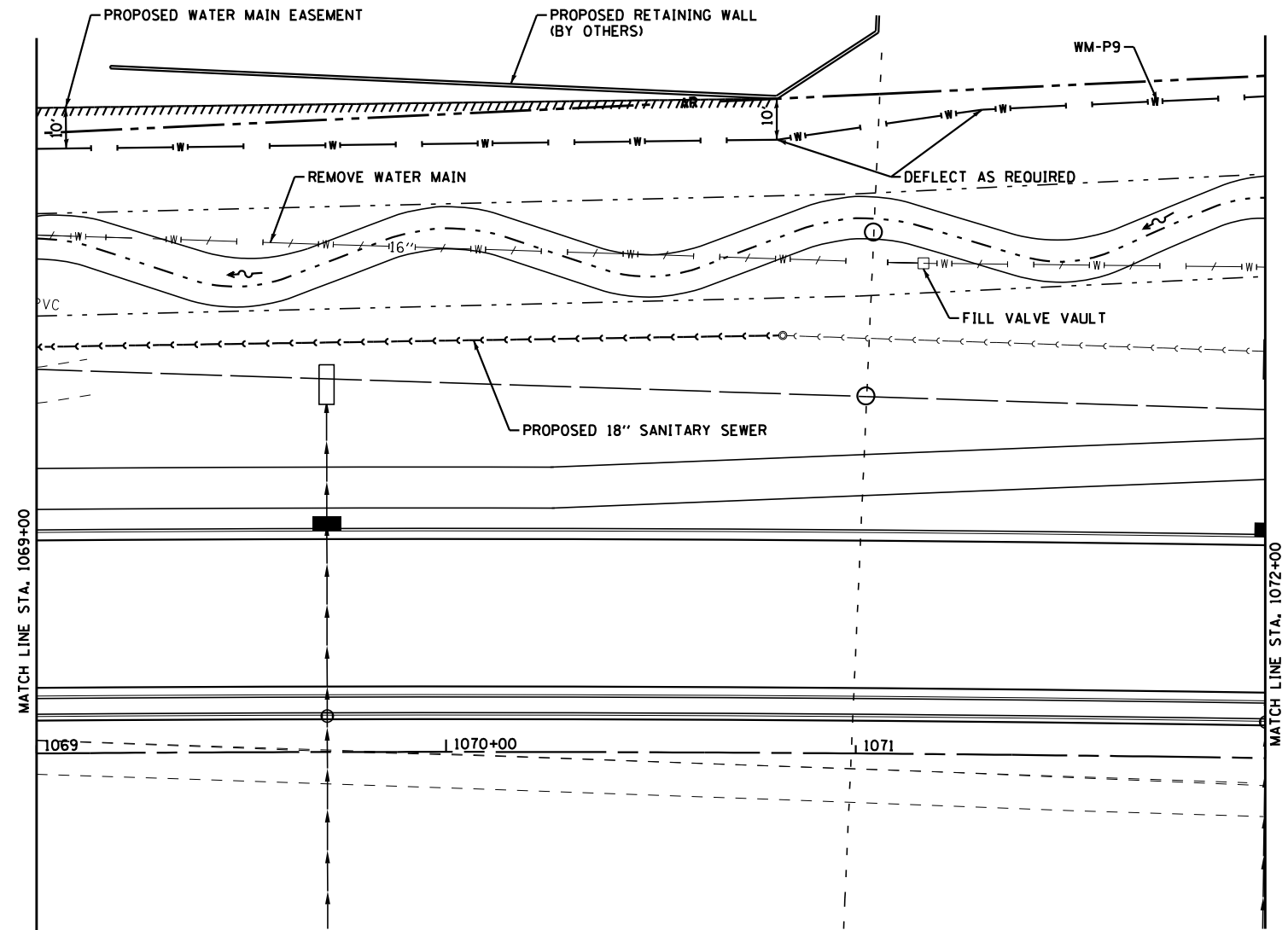
NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION

SCALE: H: 1"=20' V: 1"=5'    STA. 1063+00 TO STA. 1069+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 462
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	

**WATER MAIN PIPES**

WM-P9  
301 LF OF 16" WATER MAIN



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'

STA. 1069+00 TO STA. 1072+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	463
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 64988	

**WATER VALVE VAULTS**

WM-VV4  
BUTTERFLY VALVE, 16"  
VALVE VAULT 5' DIA,  
TYPE 1, CL  
STA 1073+03, 177' LT

**FIRE HYDRANTS**

WM-FH4  
W/AUXILIARY VALVE AND BOX  
STA 1073+14, 175' LT

STEEL CASINGS, 36", 225 LF,  
AUGERED AND JACKED

**WATER MAIN PIPES**

WM-P10  
49 LF OF 16" WATER MAIN  
RJT PIPE  
STA 1072+49 TO STA 1076+54

WM-P11  
419 LF OF 16" WATER MAIN  
RJT PIPE  
STA 1072+49 TO STA 1076+54

WM-P12  
145 LF OF 16" WATER MAIN  
RJT PIPE

WM-P13  
5 LF OF 6" WATER MAIN  
RJT PIPE

**WATER MAIN FITTINGS**

WM-F13  
16" X 11.25° BEND  
STA 1072+49, 165' LT

WM-F14  
16" X 6" TEE  
STA 1073+13, 179' TL

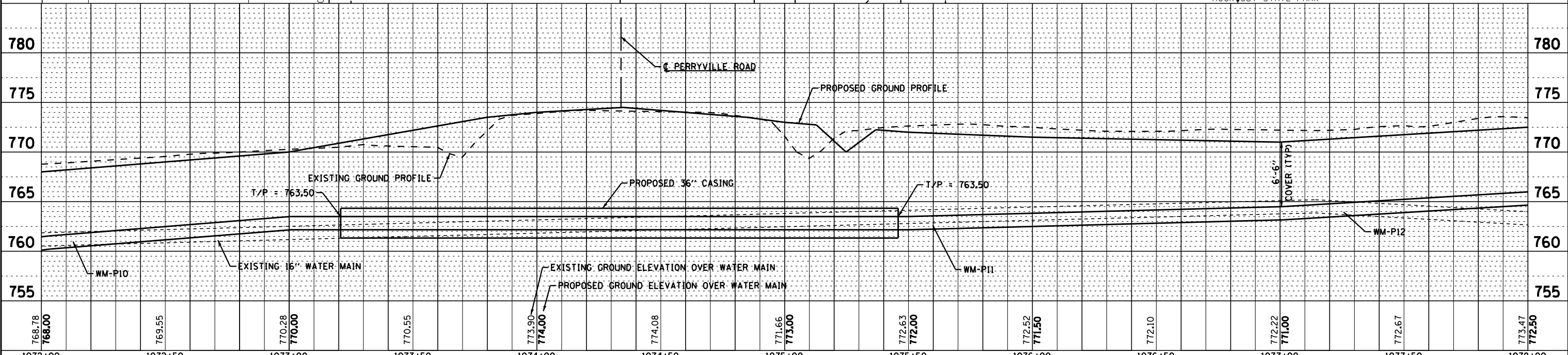
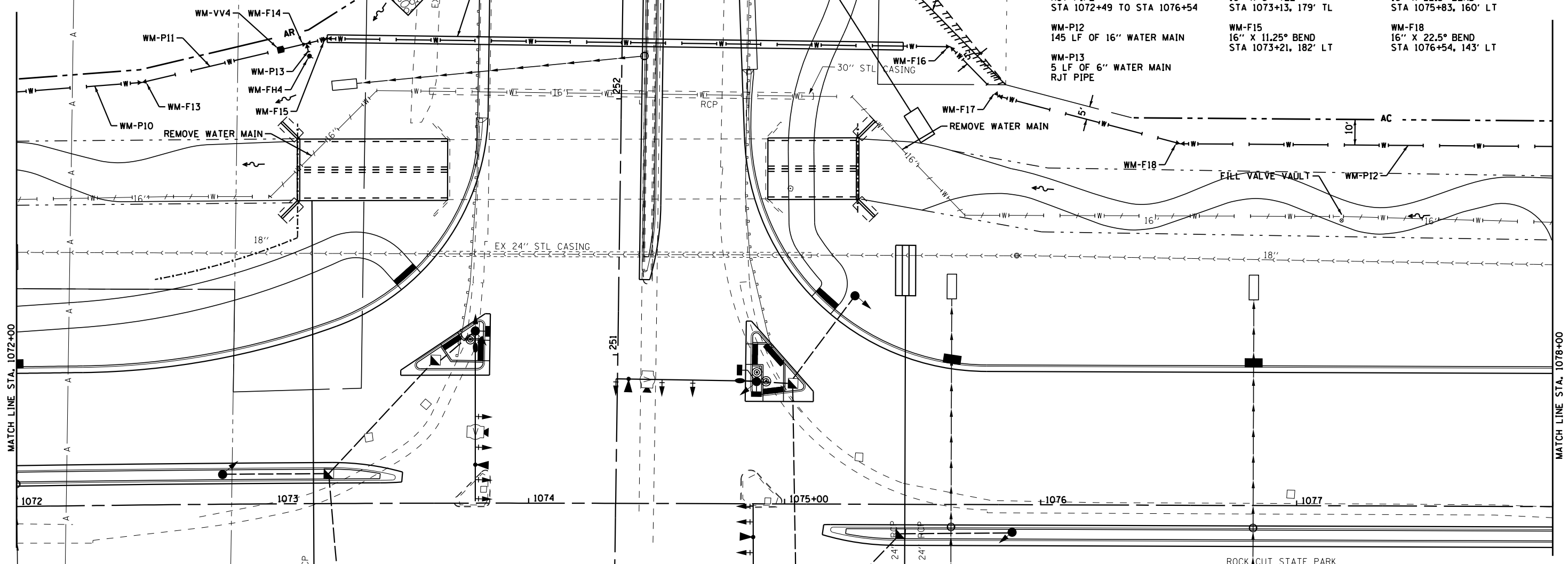
WM-F15  
16" X 11.25° BEND  
STA 1073+21, 182' LT

**WATER MAIN FITTINGS**

WM-F16  
16" X 45° BEND  
STA 1075+65, 179' LT

WM-F17  
16" X 22.5° BEND  
STA 1075+83, 160' LT

WM-F18  
16" X 22.5° BEND  
STA 1076+54, 143' LT



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**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION**

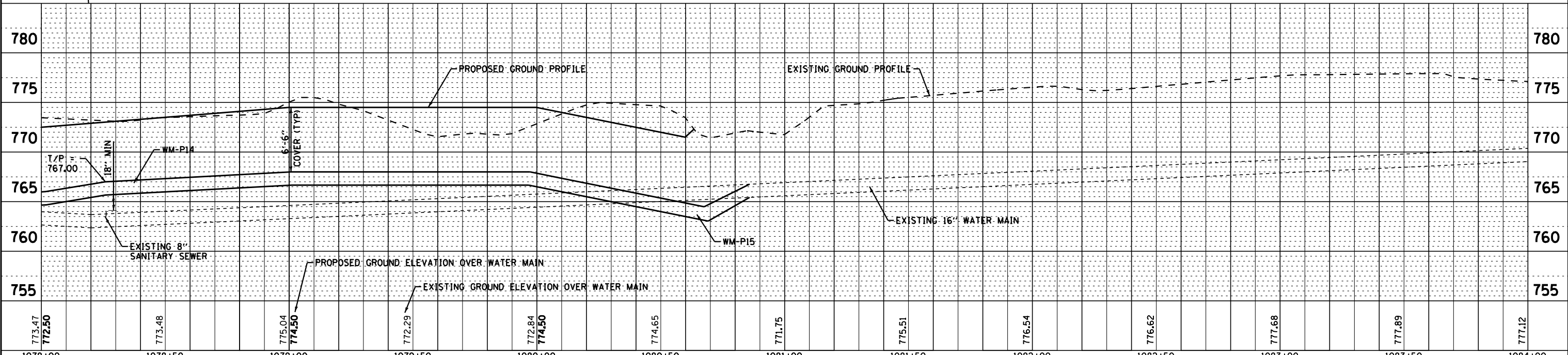
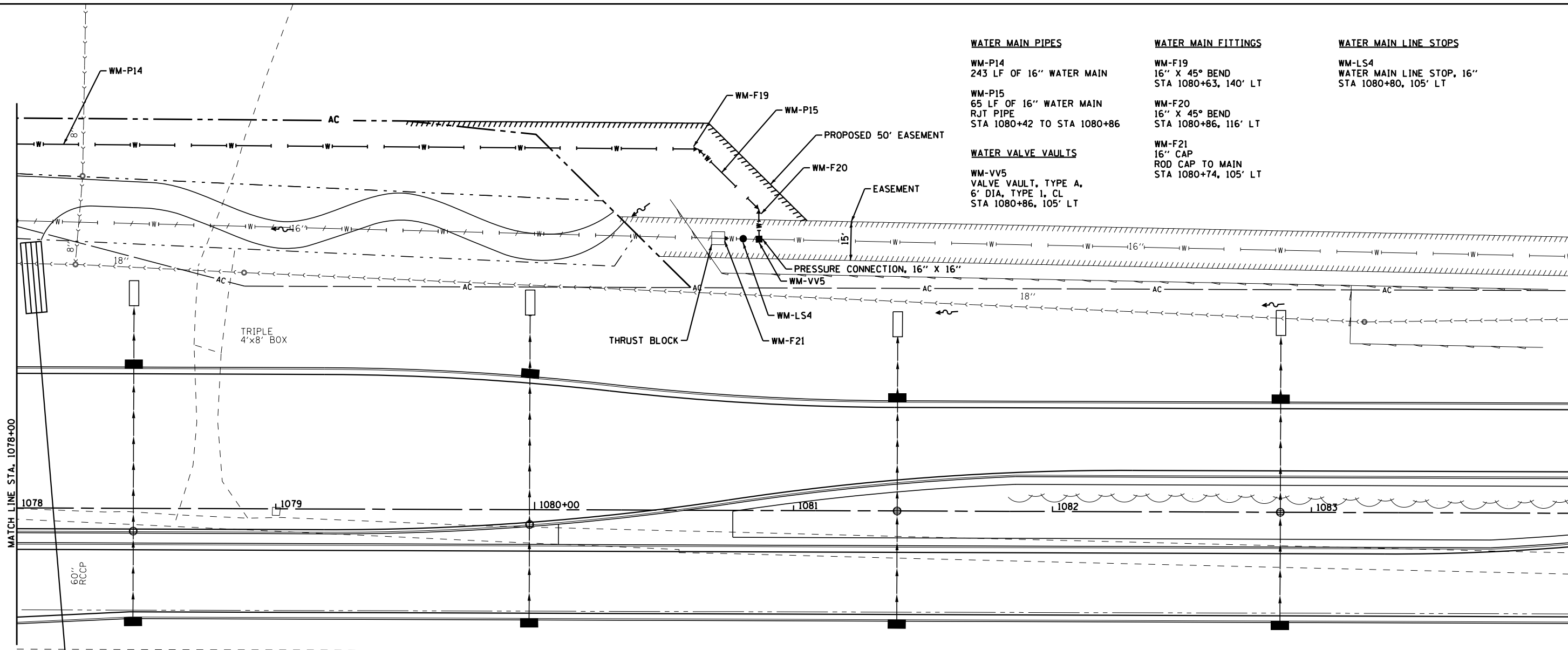
SCALE: H: 1"=20' V: 1"=5'  
STA. 1072+00 TO STA. 1078+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 464
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	





- WATER MAIN PIPES**
- WM-P14  
243 LF OF 16" WATER MAIN
  - WM-P15  
65 LF OF 16" WATER MAIN  
RJT PIPE  
STA 1080+42 TO STA 1080+86
- WATER MAIN FITTINGS**
- WM-F19  
16" X 45° BEND  
STA 1080+63, 140' LT
  - WM-F20  
16" X 45° BEND  
STA 1080+86, 116' LT
  - WM-F21  
16" CAP  
ROD CAP TO MAIN  
STA 1080+74, 105' LT
- WATER VALVE VAULTS**
- WM-VV5  
VALVE VAULT, TYPE A,  
6' DIA, TYPE I, CL  
STA 1080+86, 105' LT
- WATER MAIN LINE STOPS**
- WM-LS4  
WATER MAIN LINE STOP, 16"  
STA 1080+80, 105' LT



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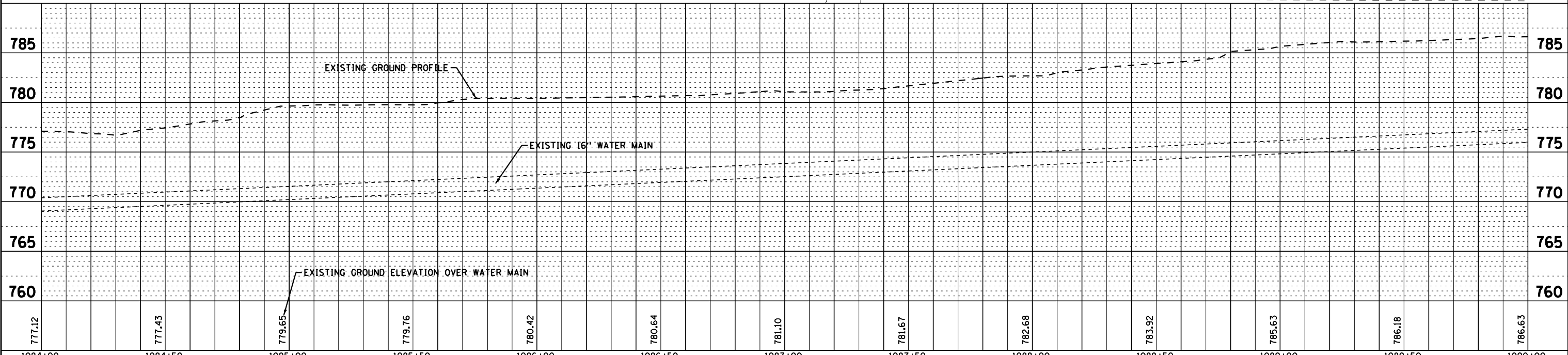
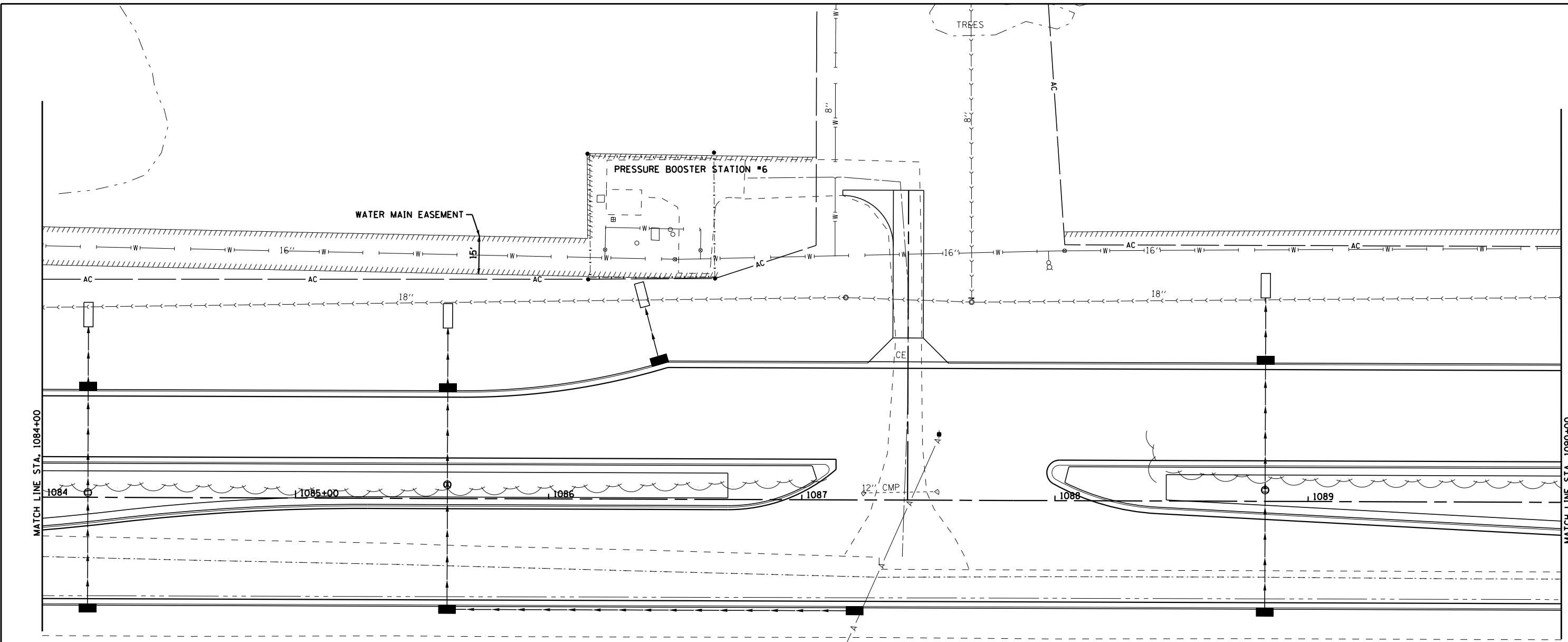
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**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'

STA. 1078+00 TO STA. 1084+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 465
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	



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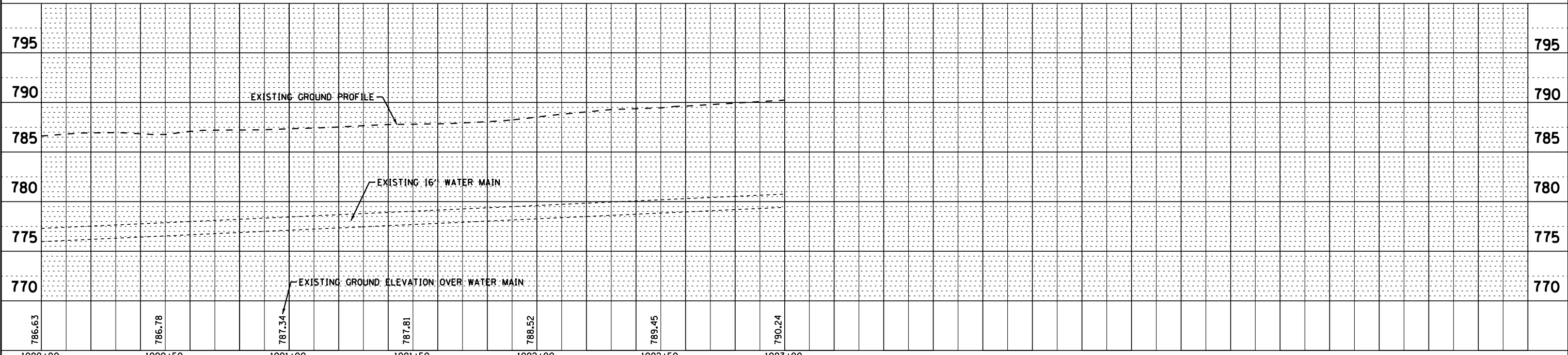
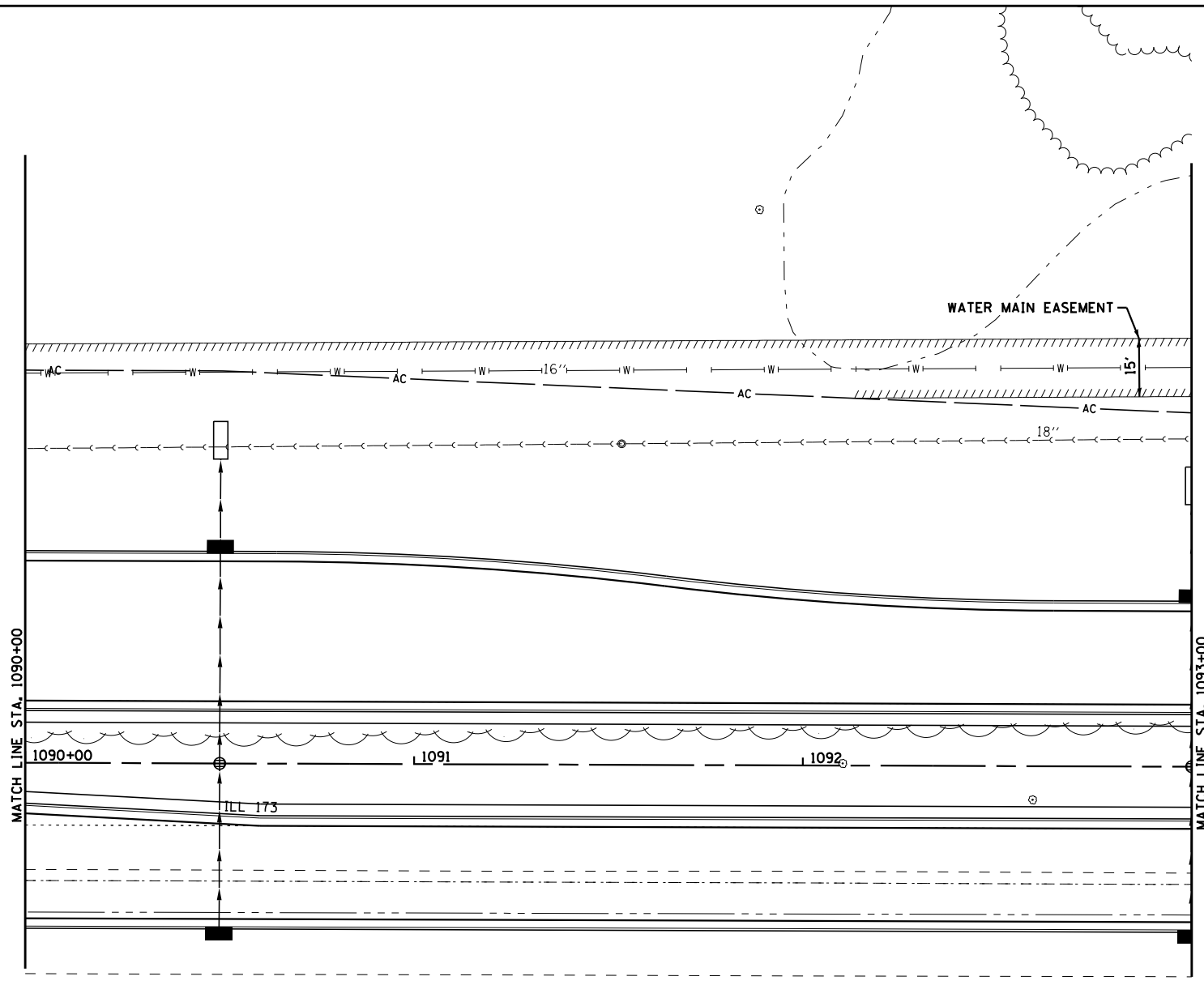
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**DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'

STA. 1084+00 TO STA. 1090+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 466
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



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**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

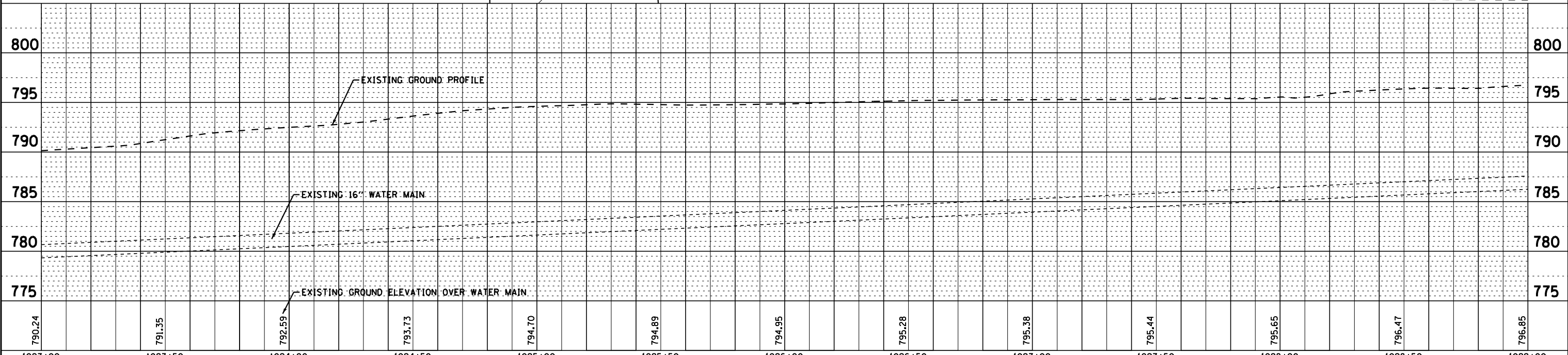
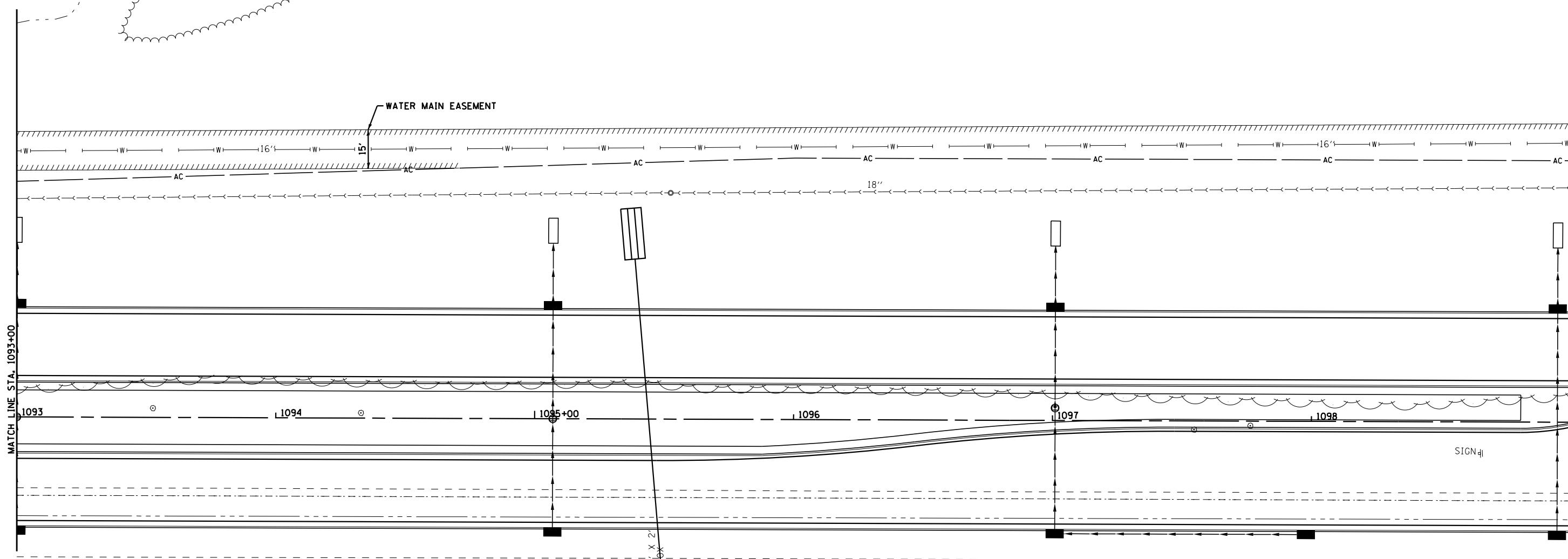
SCALE: H: 1"=20' V: 1"=5'      STA. 1090+00 TO STA. 1093+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 467
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 64988				



TREES

WATER MAIN EASEMENT



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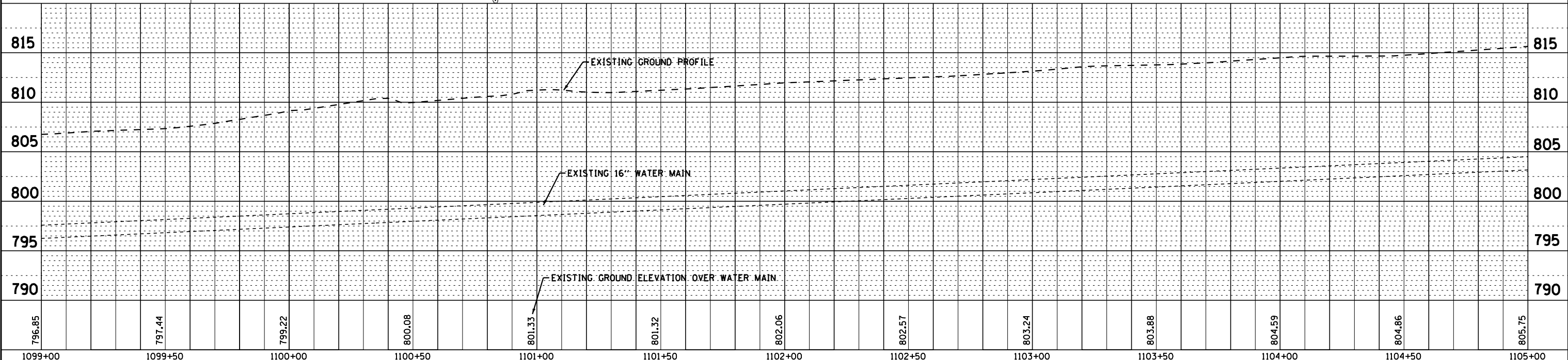
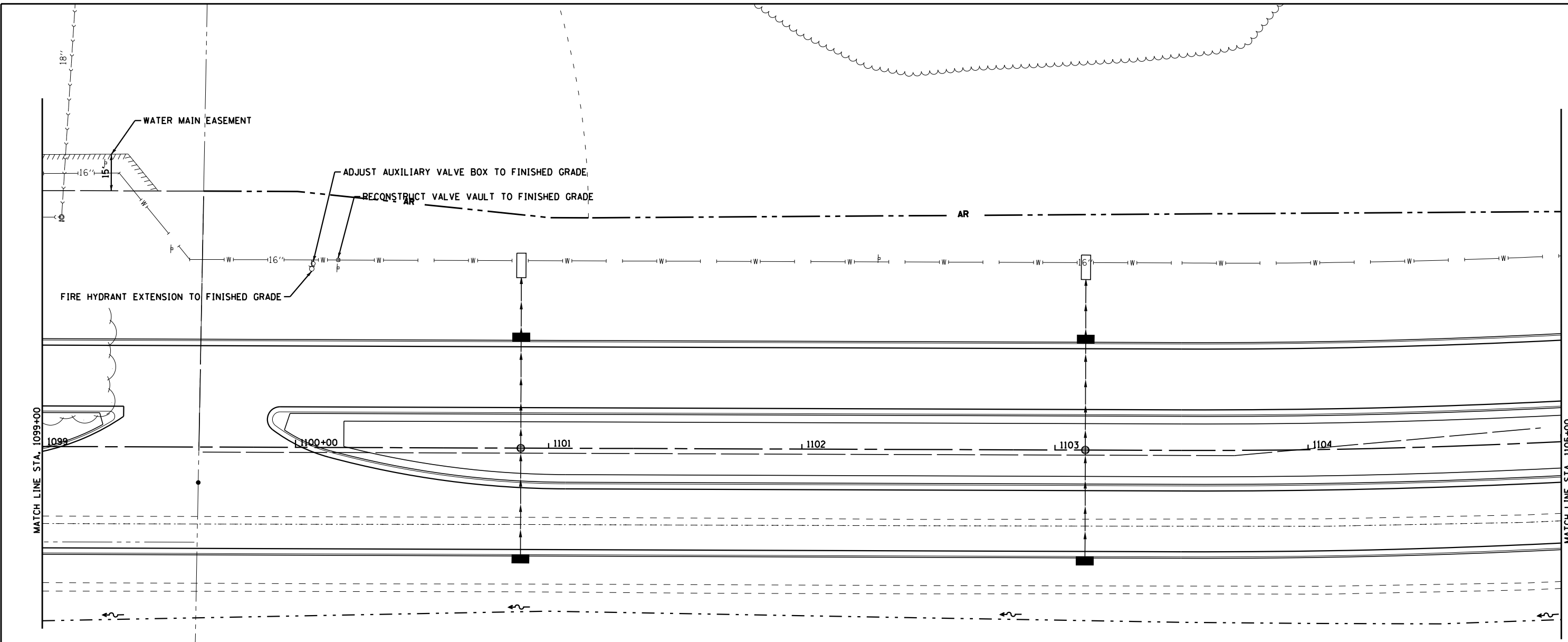
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
ROUTE 173  
WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'

STA. 1093+00 TO STA. 1099+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 468
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64988	



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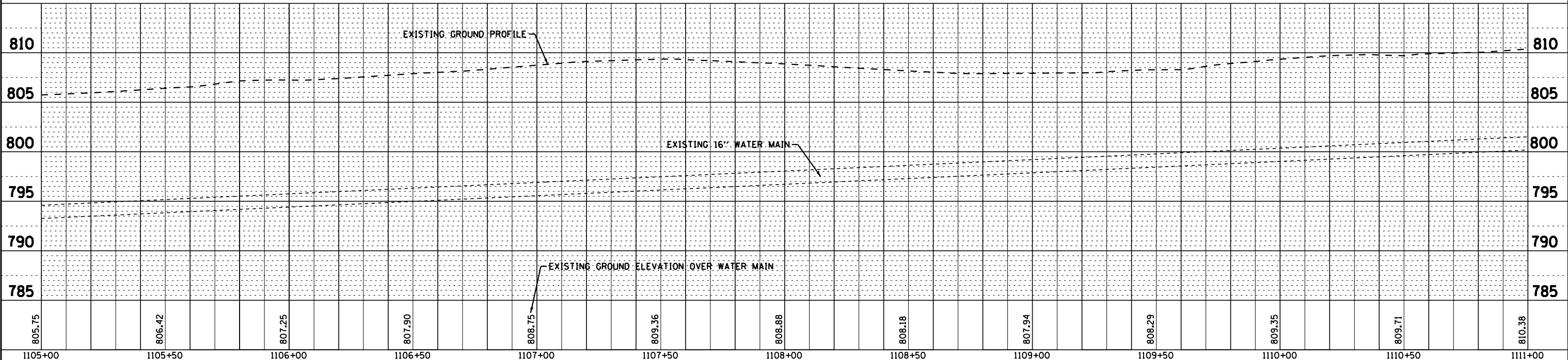
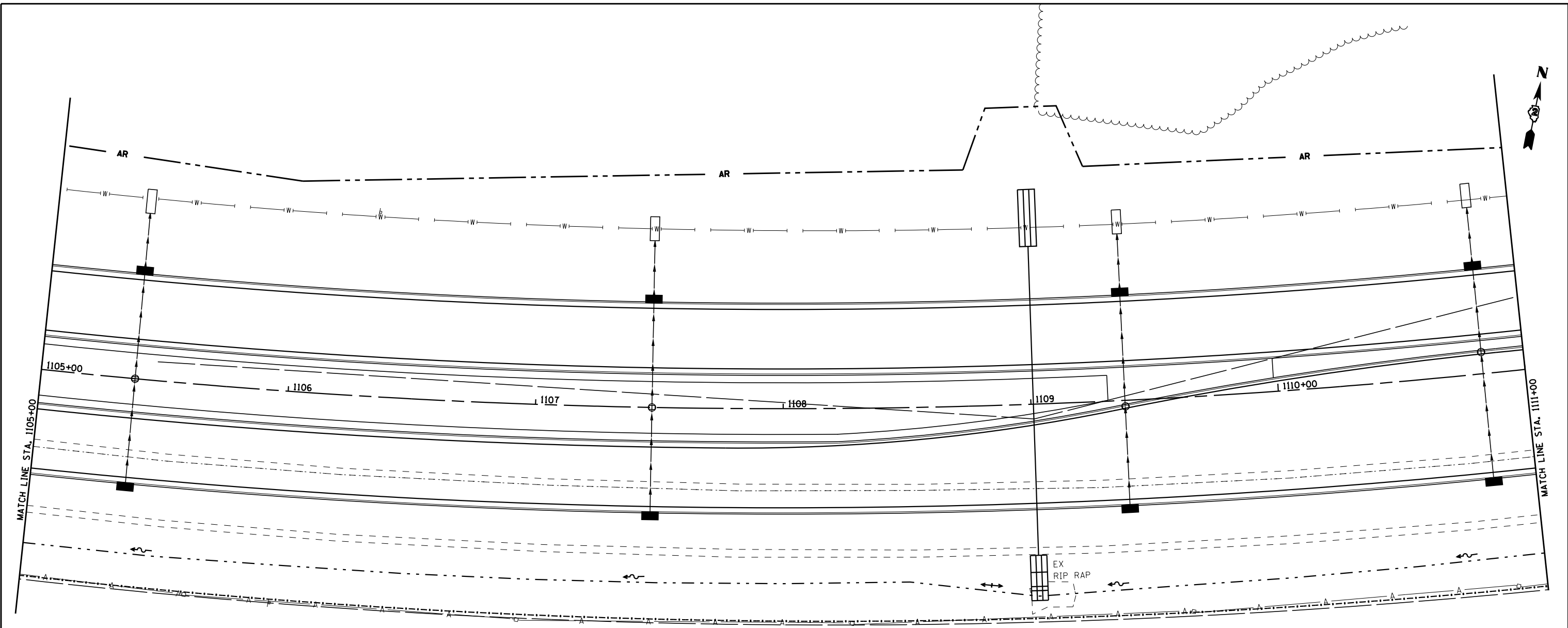
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DRAWN - KAR	REVISED -
CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-PP15.shx

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

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 1099+00 TO STA. 1105+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 469
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64988	



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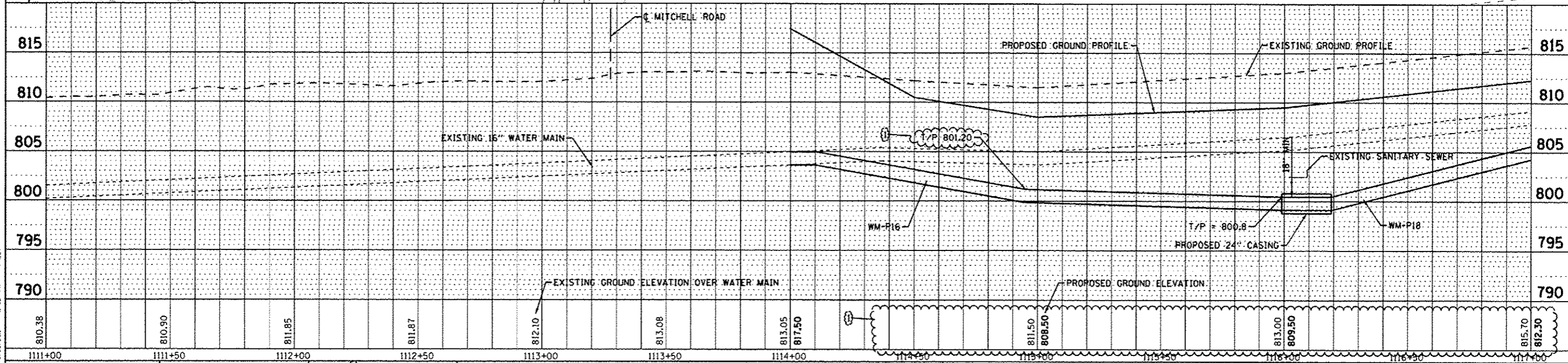
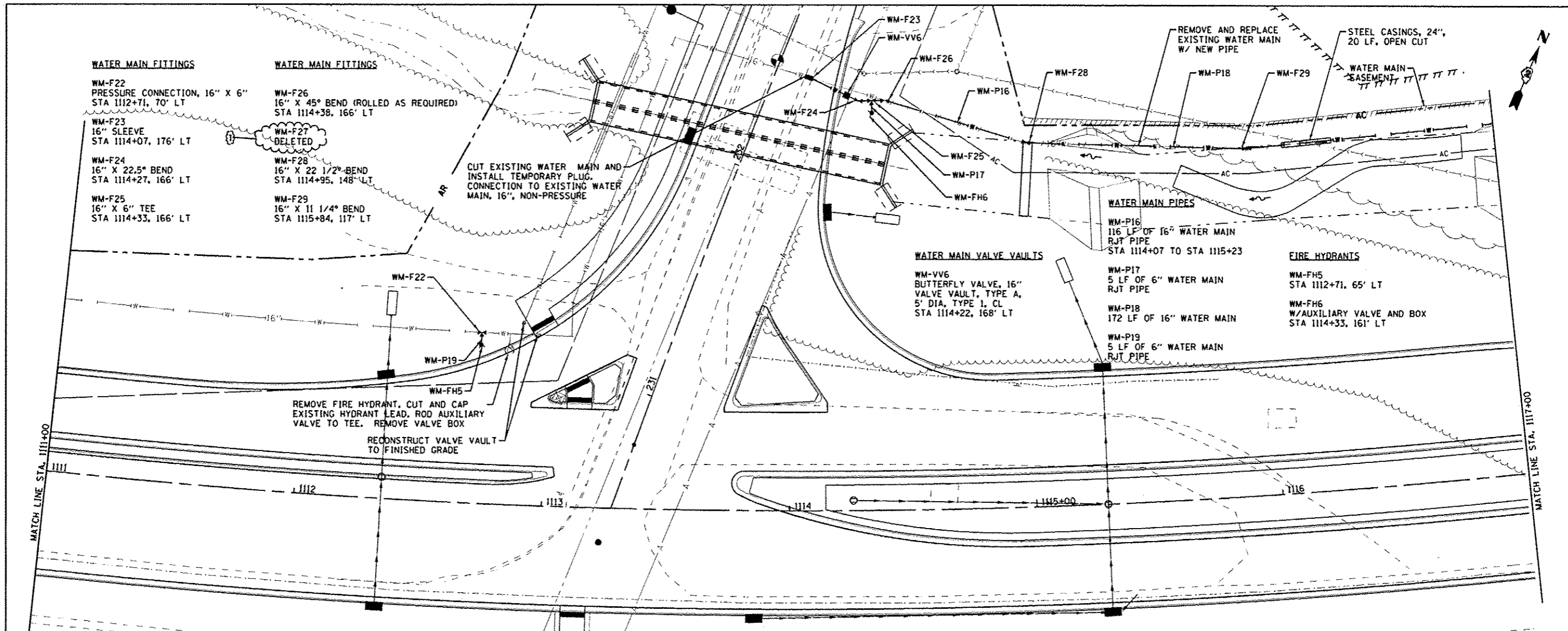
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DRAWN - KAR	REVISED -
CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-PP16.shp

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

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 1105+00 TO STA. 1111+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 470
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



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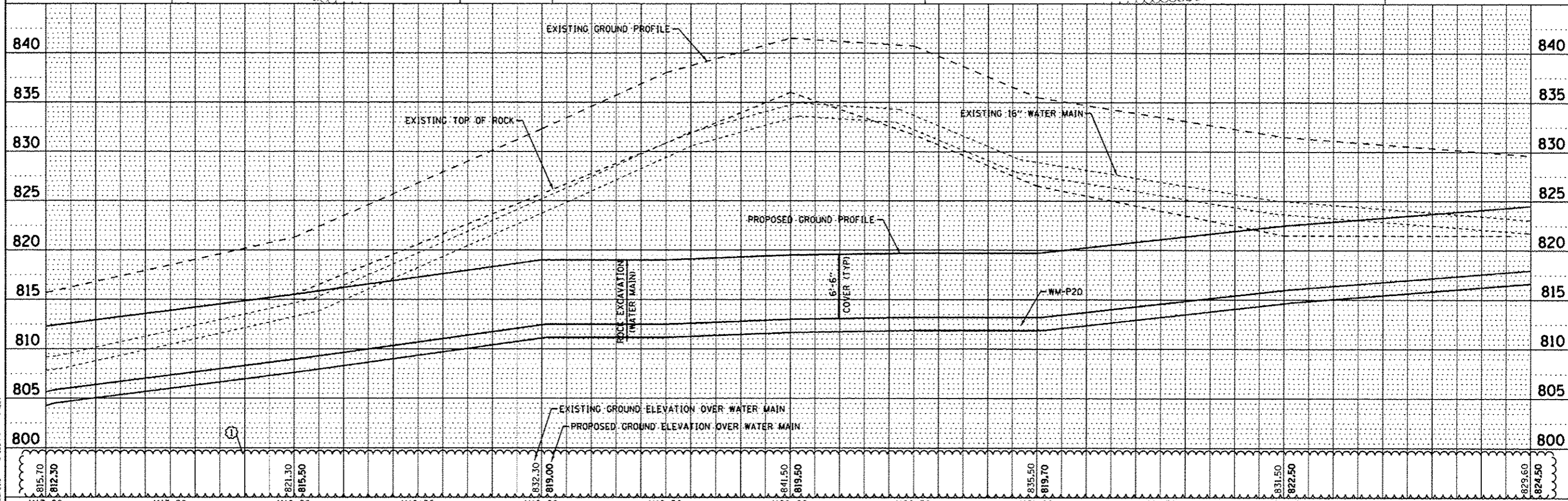
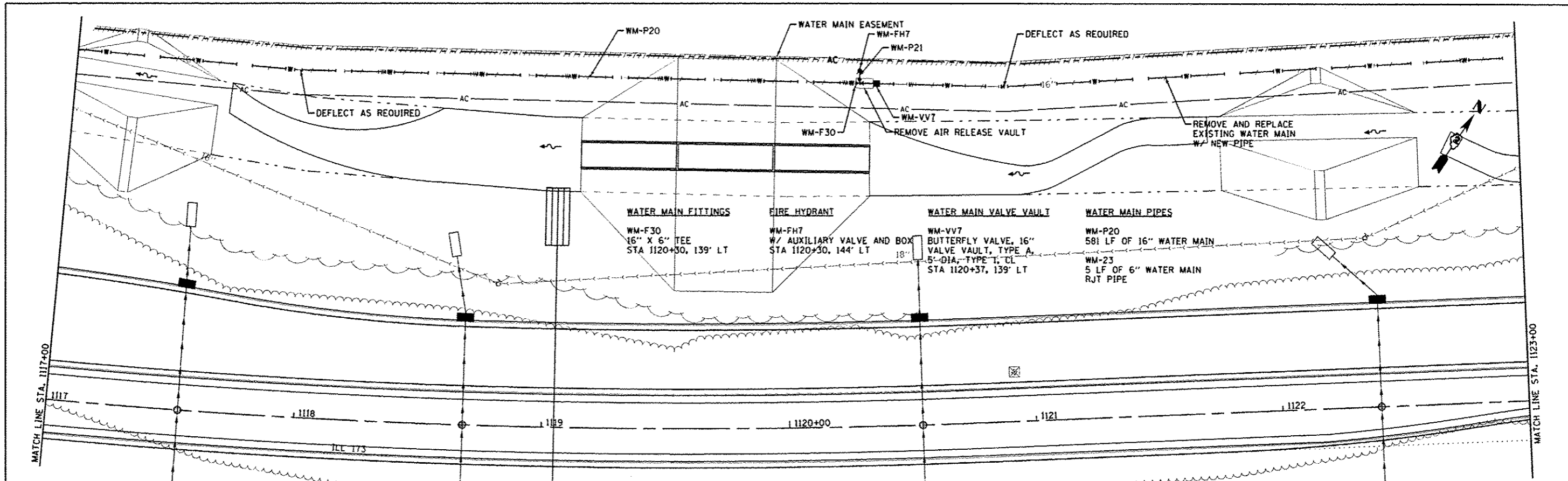
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CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - *FILES*

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

**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 471
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

Rev. sheet 9-4-13



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 PROJECT NO. 1299-0000 - AUGUST 2013

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DATE - 04-06-12	FILE - #FILES*

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**DEPARTMENT OF TRANSPORTATION**

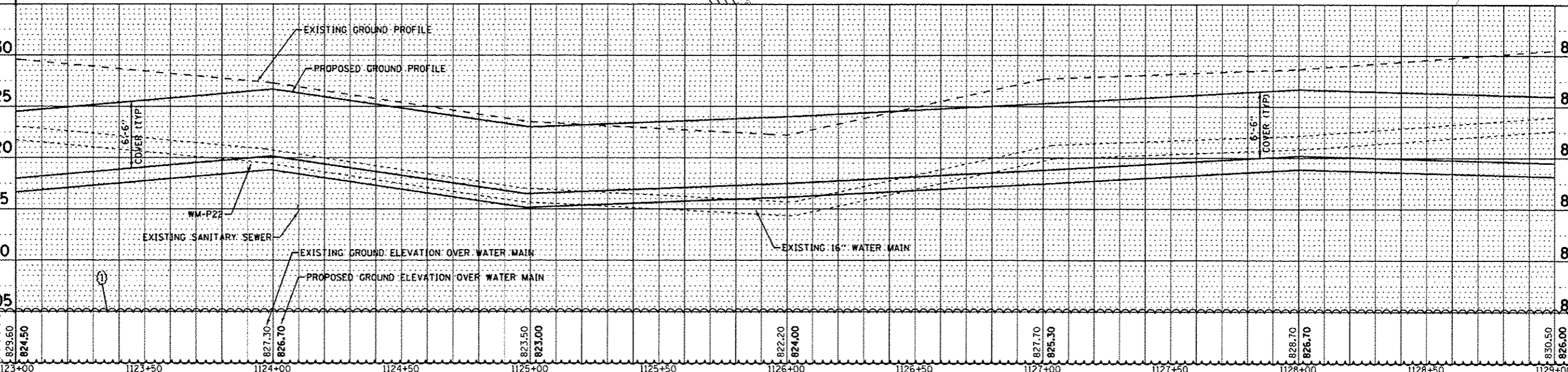
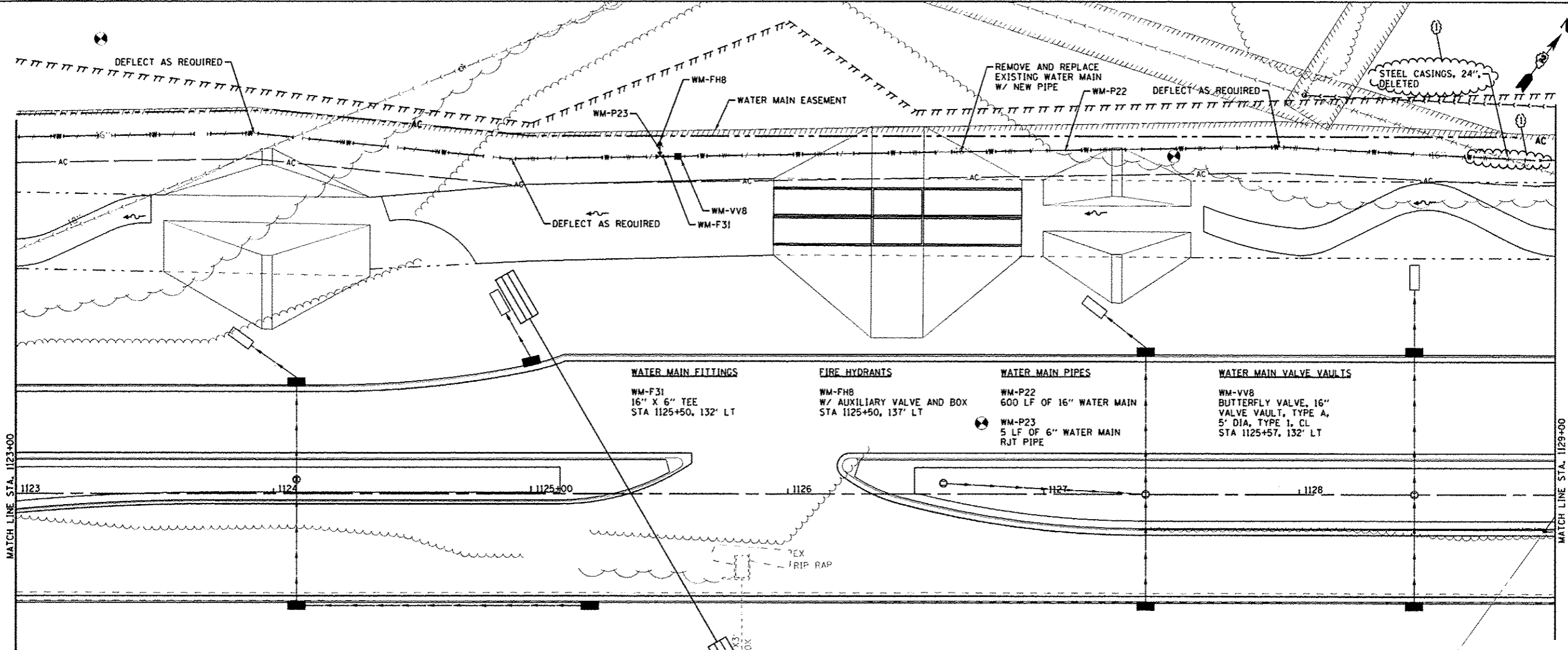
**NORTH PARK PUBLIC WATER DISTRICT**  
**ROUTE 173**  
**WATER MAIN RELOCATION**

F.A.P. RTE. 303	SECTION 1299	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 472
CONTRACT NO.			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

SCALE: H: 1"=20' V: 1"=5'      STA. 1117+00 TO STA. 1123+00

Rev. Sheet 9-4-13





- WATER MAIN FITTINGS**  
WM-F31  
16" X 6" TEE  
STA 1125+50, 132' LT
- FIRE HYDRANTS**  
WM-FH8  
W/ AUXILIARY VALVE AND BOX  
STA 1125+50, 137' LT
- WATER MAIN PIPES**  
WM-P22  
600 LF OF 16" WATER MAIN  
WM-P23  
5 LF OF 6" WATER MAIN  
RJT PIPE
- WATER MAIN VALVE VAULTS**  
WM-VV8  
BUTTERFLY VALVE, 16"  
VALVE VAULT, TYPE A,  
5' DIA, TYPE 1, CL  
STA 1125+57, 132' LT

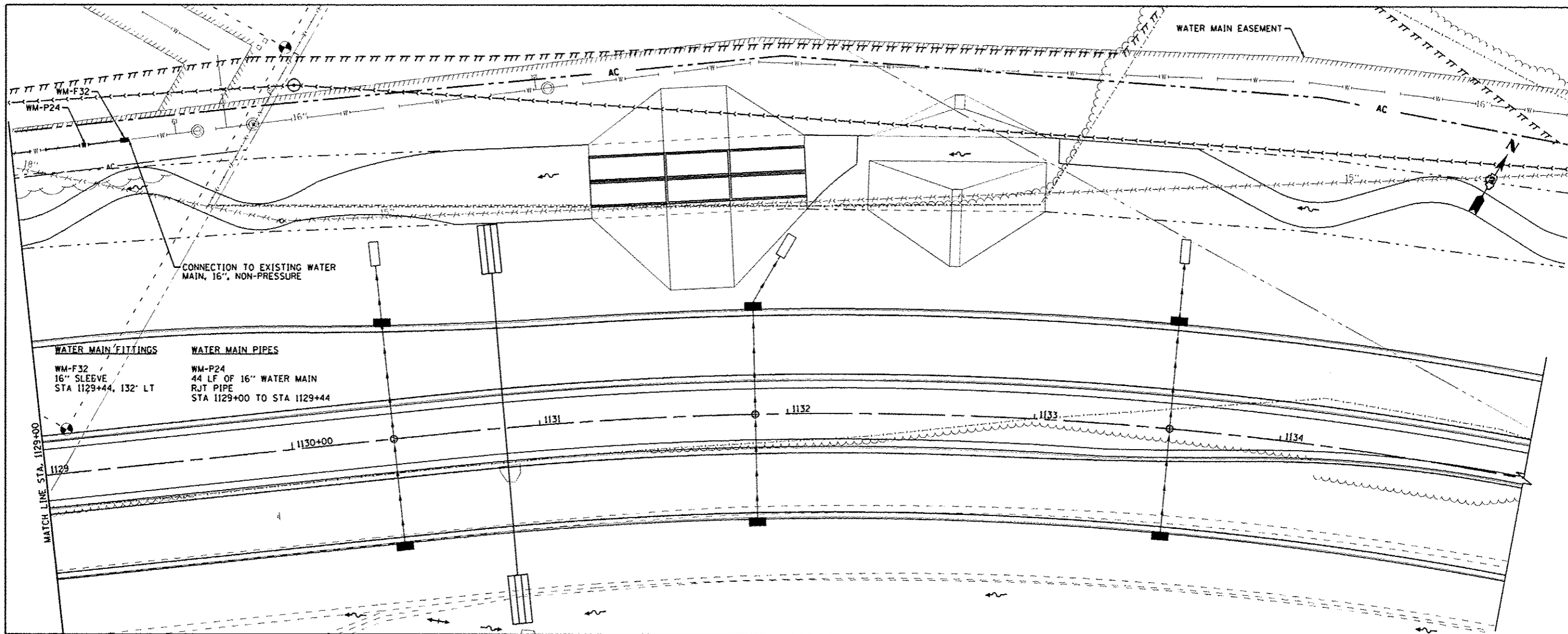
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DATE - APRIL 30, 2013	FILE - #FILES#

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

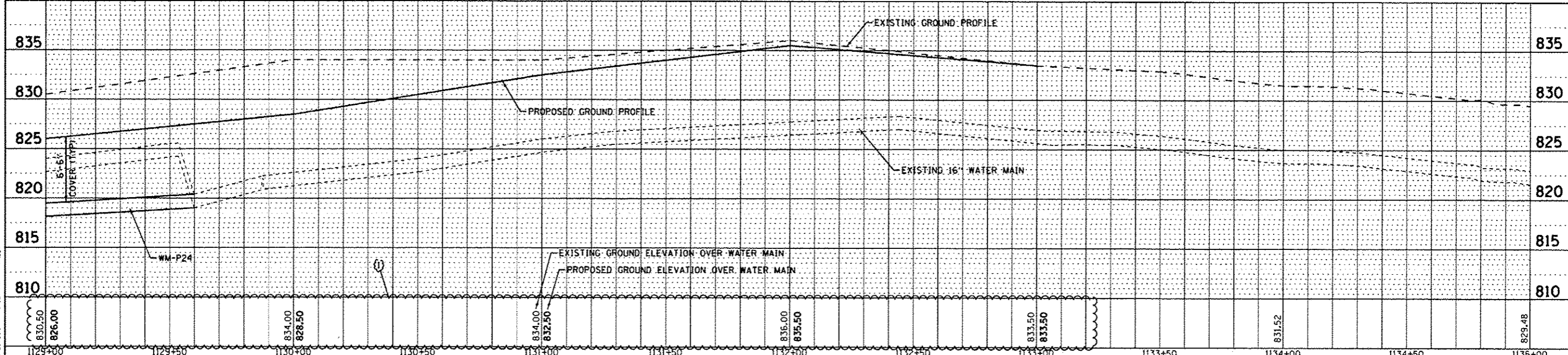
NORTH PARK PUBLIC WATER DISTRICT		F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 473
ROUTE 173		WATER MAIN RELOCATION		CONTRACT NO. 64988		
SCALE: H <sub>1</sub> 1"=20' V <sub>1</sub> 1"=5'		STA. 1123+00 TO STA. 1129+00		ILLINOIS FED. AID PROJECT		

Rev. Sheet 9-4-13



**WATER MAIN FITTINGS**  
 WM-F32  
 16" SLEEVE  
 STA 1129+44, 132' LT

**WATER MAIN PIPES**  
 WM-P24  
 44 LF OF 16" WATER MAIN  
 RJT PIPE  
 STA 1129+00 TO STA 1129+44



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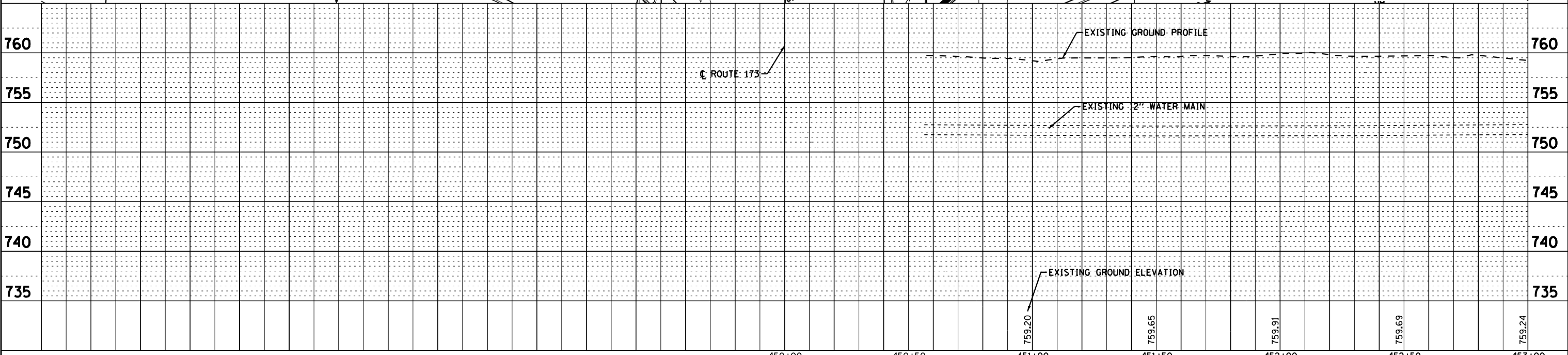
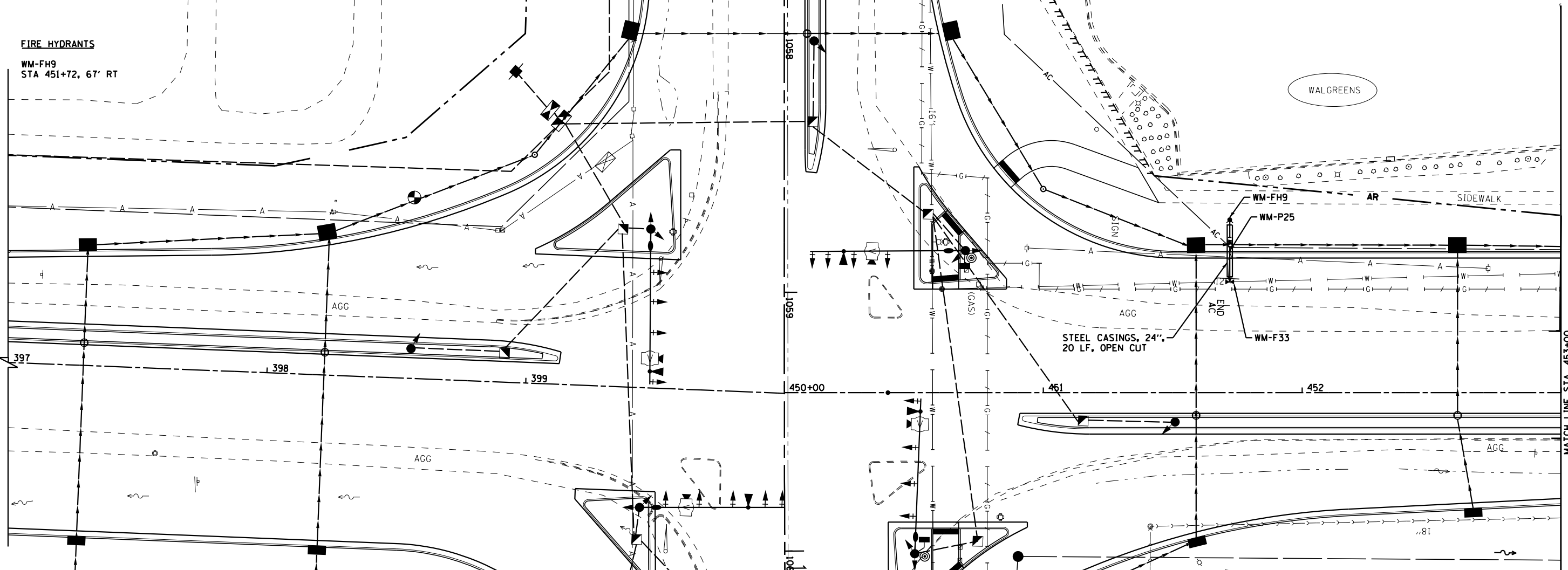
DESIGNED - MPK	REVISED (1) ADDENDUM AUG 27, 2013	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>		<b>NORTH PARK PUBLIC WATER DISTRICT</b> <b>ROUTE 173</b> <b>WATER MAIN RELOCATION</b>		F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - KAR	REVISED -					303	129R	WINNEBAGO	968	474
CHECKED - MPK	REVISED -					CONTRACT NO. 64988				
DATE - APRIL 30, 2013	FILE - #FILES#					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

Rev. Sheet 9-4-13

**WATER MAIN PIPES**  
 WM-P25  
 24 LF OF 6" WATER MAIN  
 RJT PIPE

**WATER MAIN FITTINGS**  
 WM-F33  
 PRESSURE CONNECTION, 12" x 16"  
 STA 451+72, 43' LT

**FIRE HYDRANTS**  
 WM-FH9  
 STA 451+72, 67' RT



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DATE - APRIL 30, 2013	FILE - 110789-WaterMain-PP21.shx

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
 FOREST HILLS ROAD  
 WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 397+00 TO STA. 453+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 475
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	

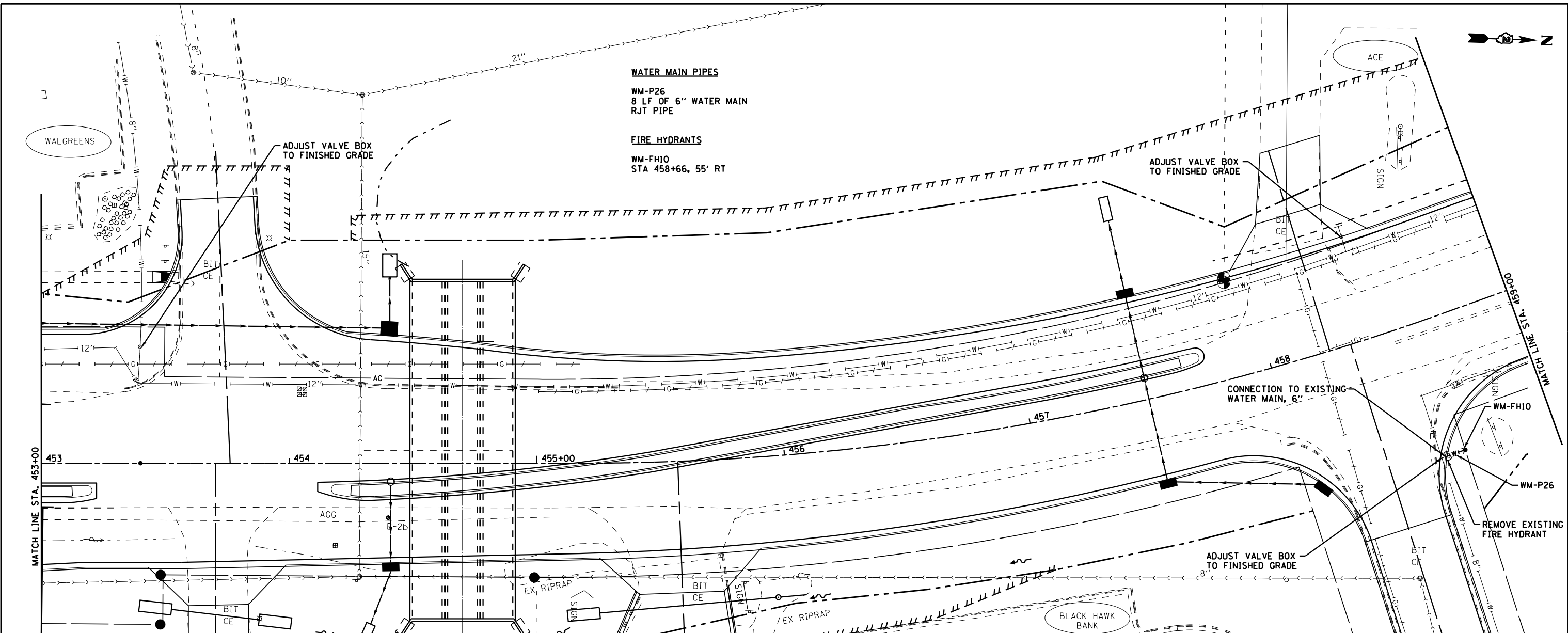


**WATER MAIN PIPES**

WM-P26  
8 LF OF 6" WATER MAIN  
RJT PIPE

**FIRE HYDRANTS**

WM-FH10  
STA 458+66, 55' RT



760	EXISTING GROUND PROFILE															760
755	EXISTING 12" WATER MAIN															755
750																750
745																745
740																740
735	EXISTING GROUND ELEVATION OVER WATER MAIN															735
	759.24	759.80	759.91	760.72	760.86	760.05	759.87	759.96	759.26	759.97	761.75	759.60	759.26			
	453+00	453+50	454+00	454+50	455+00	455+50	456+00	456+50	457+00	457+50	458+00	458+50	459+00			

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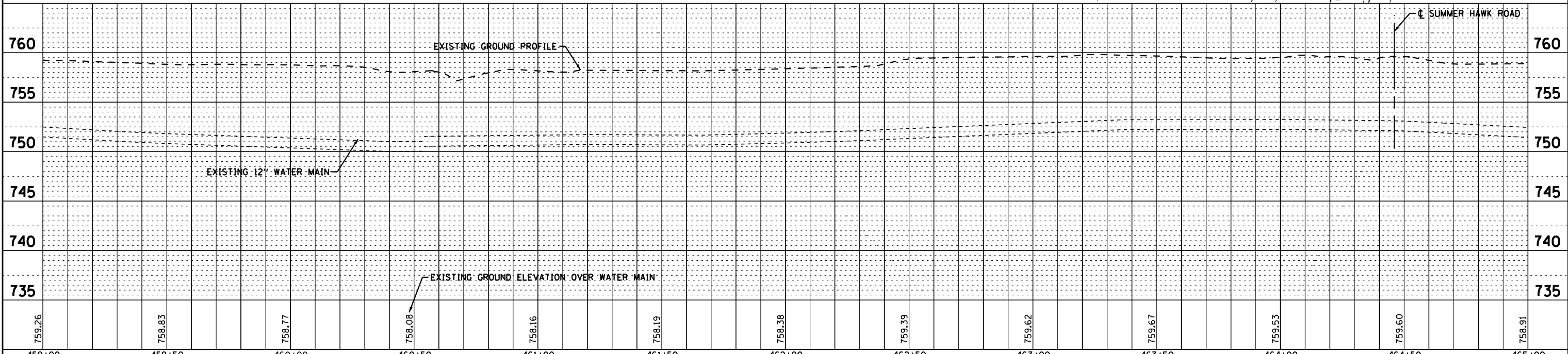
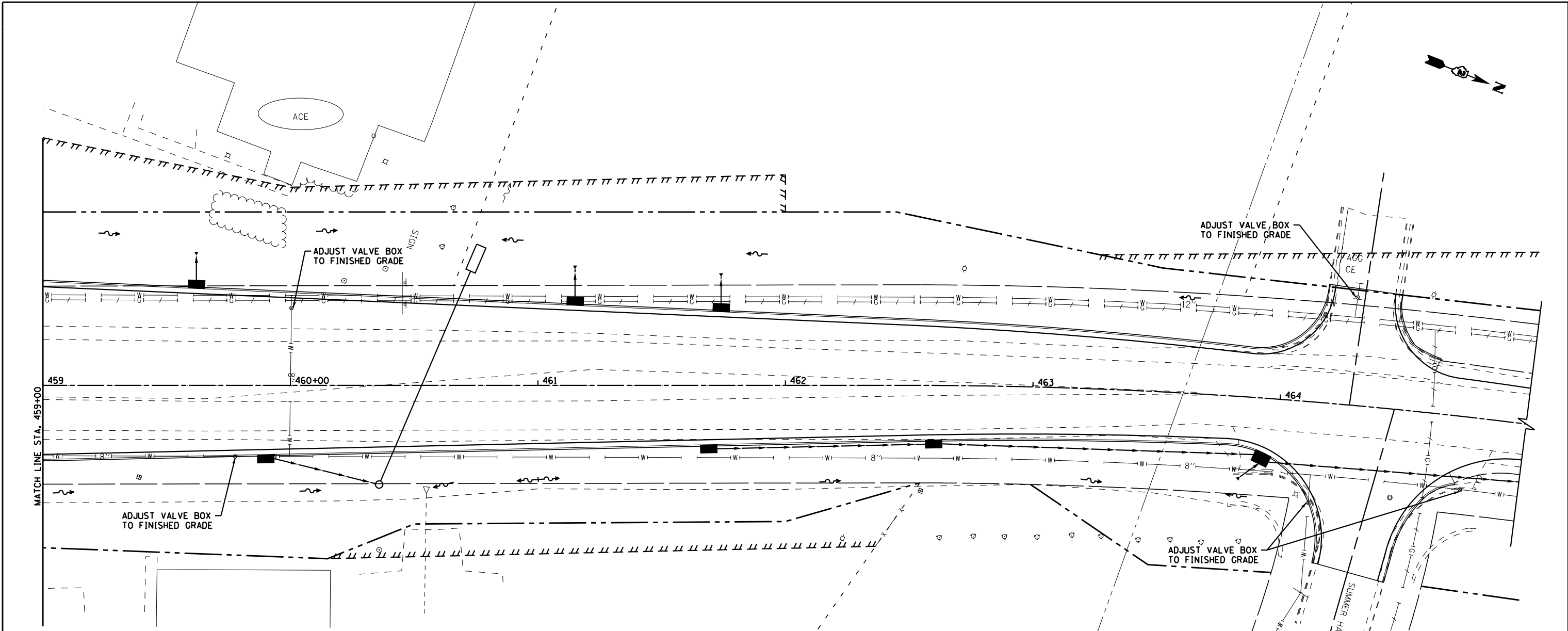
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DATE - APRIL 30, 2013	FILE - 110789-WaterMain-PP22.sht

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
FOREST HILLS ROAD  
WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 453+00 TO STA. 459+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	476
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 64988	



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 PROJECT: 110789-WaterMain-PP23.sht



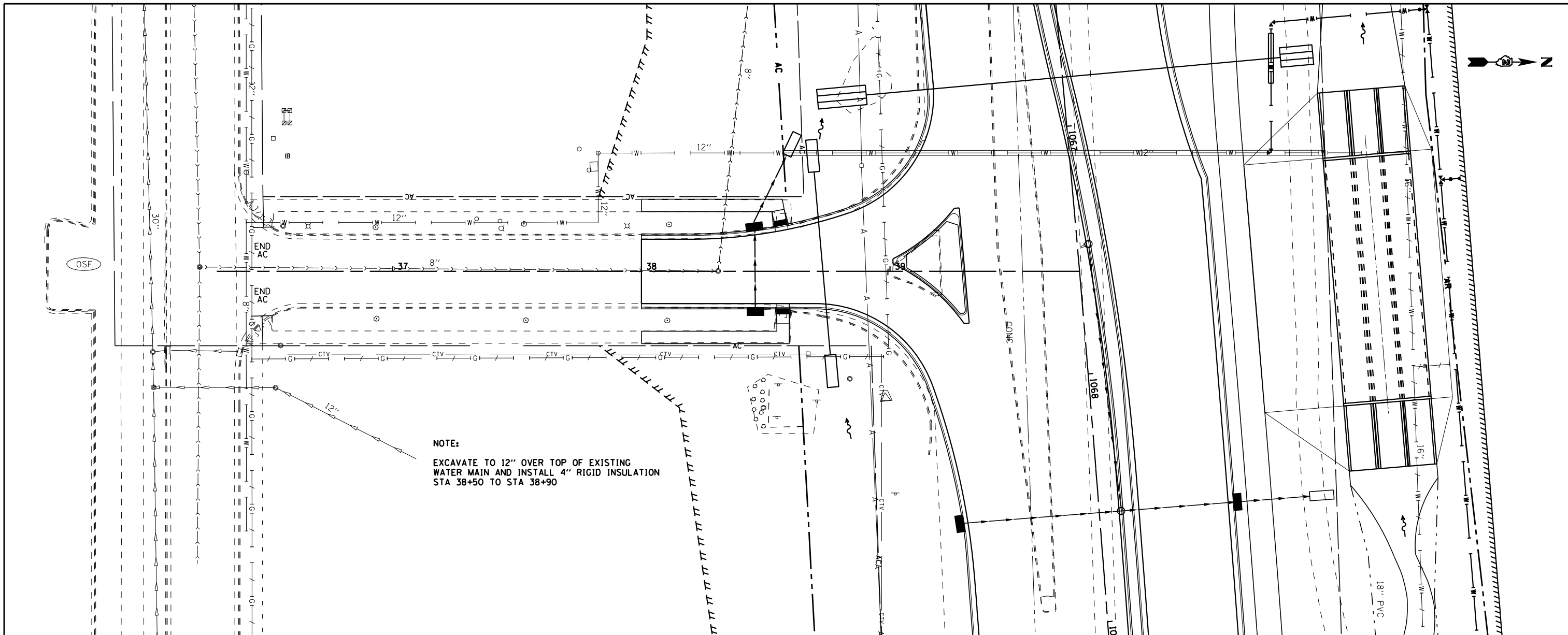
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

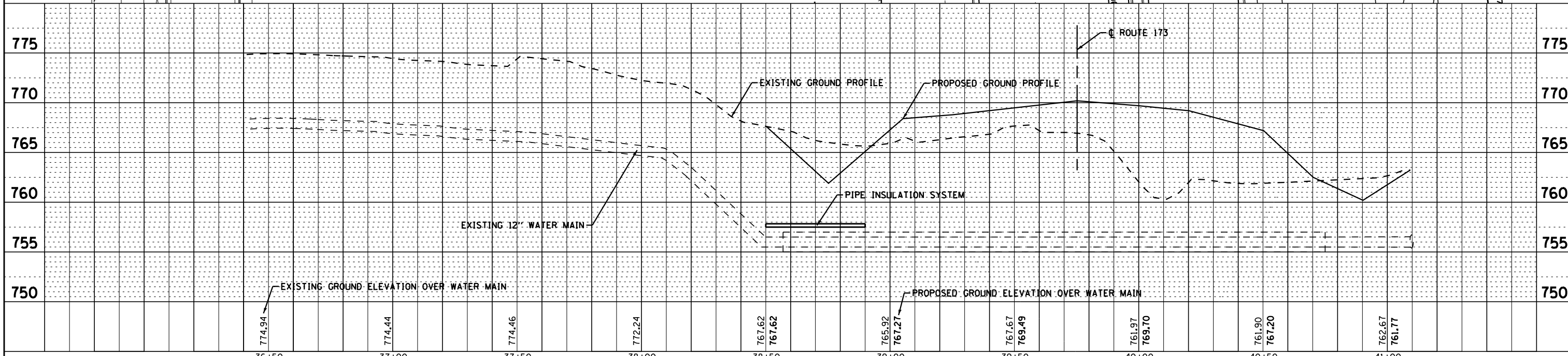
**NORTH PARK PUBLIC WATER DISTRICT**  
**FOREST HILLS ROAD**  
**WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 459+00 TO STA. 465+00

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 477
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64988	



**NOTE:**  
 EXCAVATE TO 12" OVER TOP OF EXISTING WATER MAIN AND INSTALL 4" RIGID INSULATION STA 38+50 TO STA 38+90



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DATE - APRIL 30, 2013	FILE - \$FILES\$

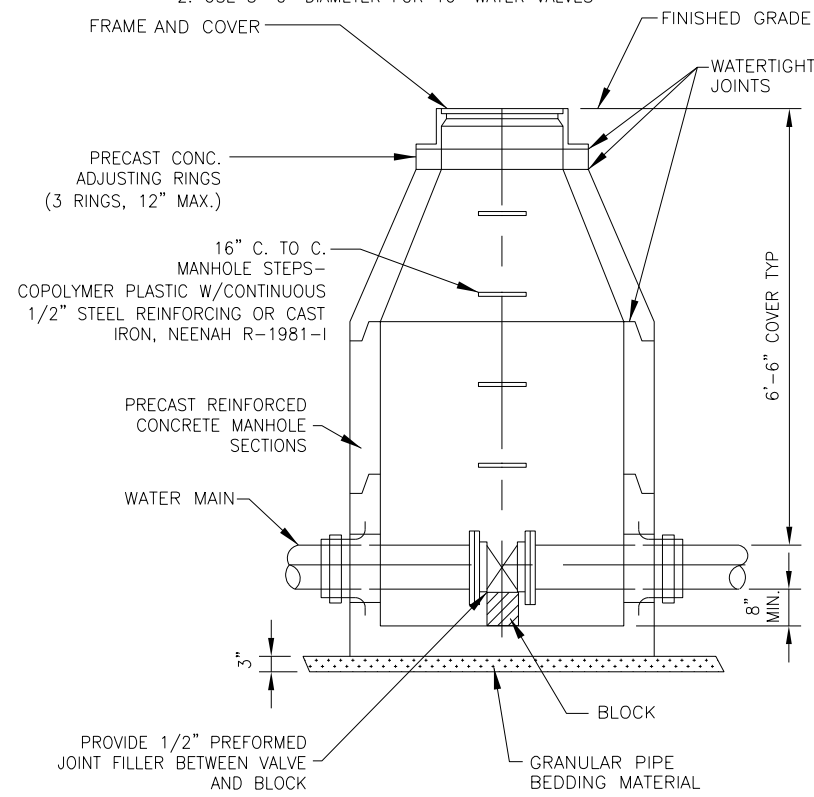
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH PARK PUBLIC WATER DISTRICT  
 OSF ENTRANCE  
 WATER MAIN RELOCATION**

SCALE: H: 1"=20' V: 1"=5'      STA. 36+30 TO STA. 39+76

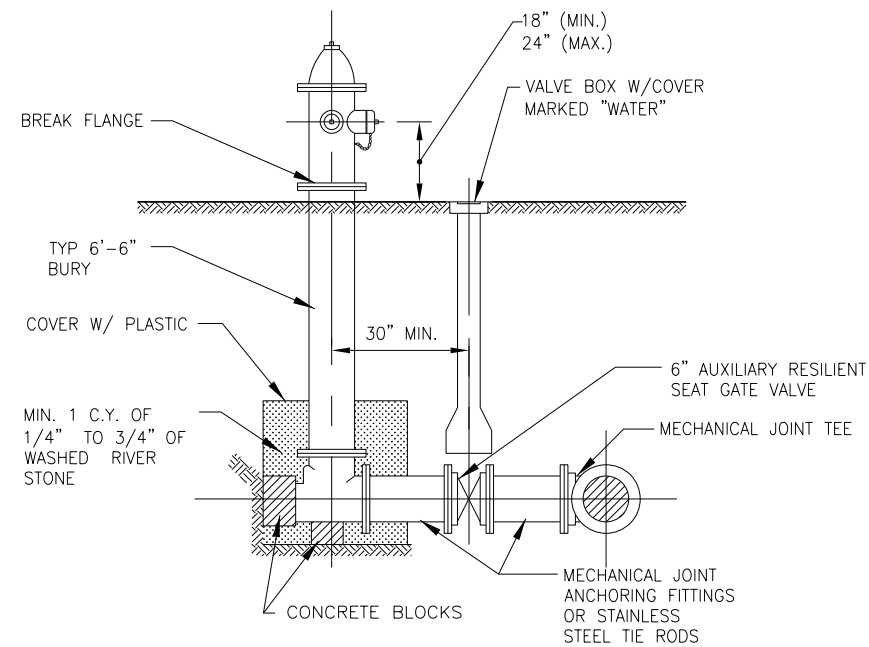
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CONTRACT NO. 64988				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

- NOTES:  
 1. CONCENTRIC CONE REQUIRED  
 2. USE 5'-0" DIAMETER FOR 16" WATER VALVES



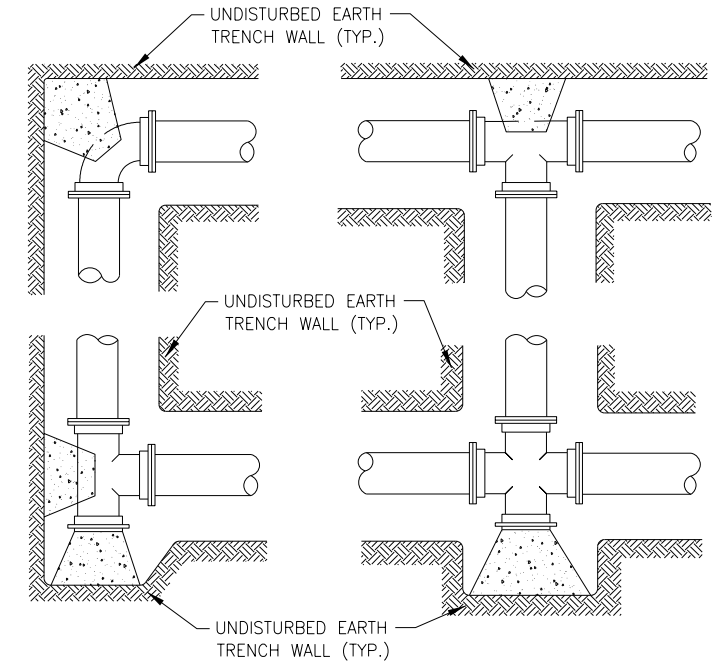
WATER VALVE VAULT DETAIL

NO SCALE



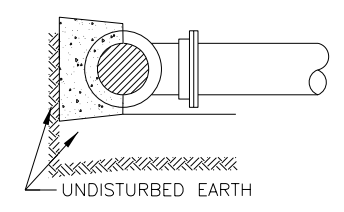
FIRE HYDRANT INSTALLATION DETAIL

NO SCALE



PLANS

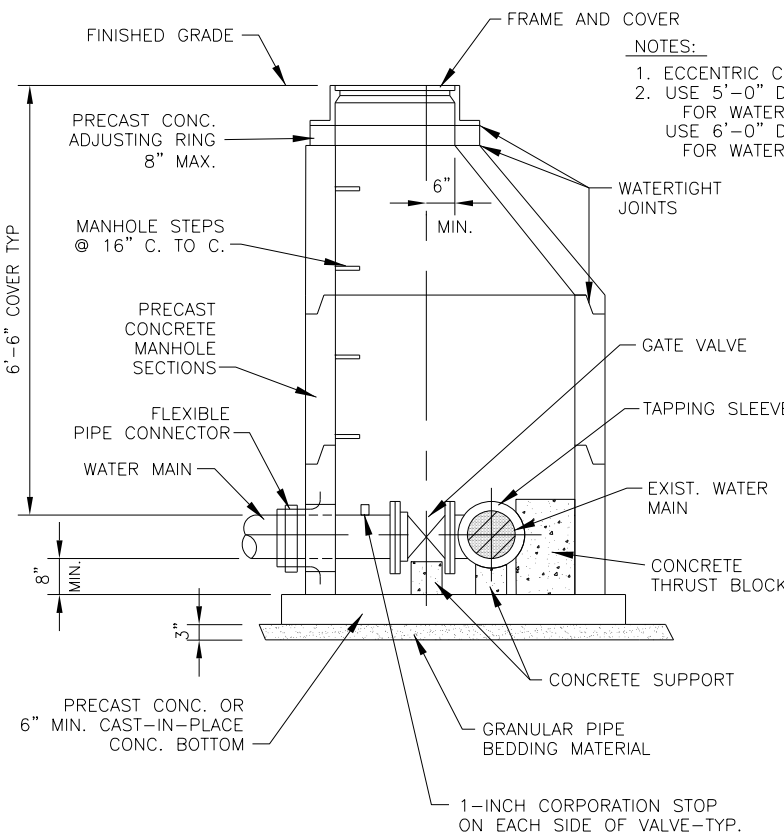
- NOTES:  
 1. PROVIDE PRECAST OR CAST-IN-PLACE CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.  
 2. PLACE THE BASE AND THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.  
 3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.



SECTIONS

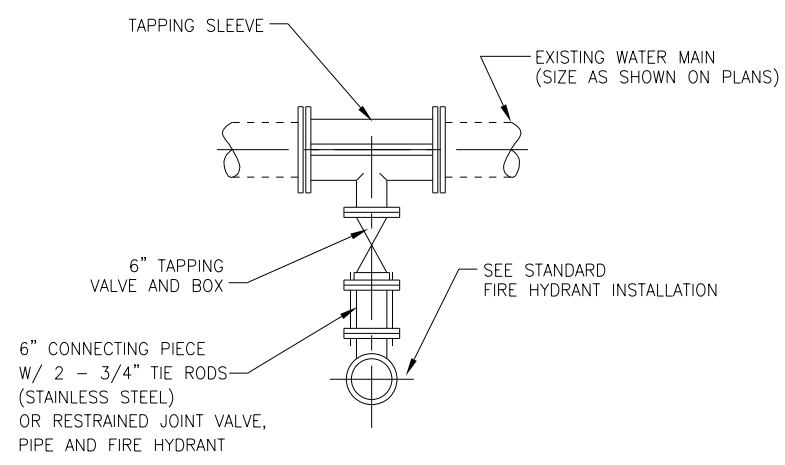
WATERMAIN THRUST BLOCKING DETAILS

NO SCALE



PRESSURE CONNECTION WATER VALVE VAULT DETAIL

NO SCALE



FIRE HYDRANT - PRESSURE TAP

NO SCALE

THRUST BLOCK SCHEDULE

FITTING	DIMENSION (FT.)				BEARING AREA (SQ. FT.)
	H	L	W	F	
20" X 20" X 20" TEE	6.0	7.0	2.0	2.0	41.2
20" X 90 DEGREE BEND	5.0	6.0	2.0	2.0	29.1
20" X 45 DEGREE BEND	4.0	4.0	2.0	2.0	15.8
20" X 22-1/2 DEGREE BEND	3.0	3.0	2.0	2.0	8.0
20" X 11-1/4 DEGREE BEND	2.0	2.0	2.0	2.0	4.0
16" X 16" X 16" TEE	5.0	6.0	2.0	2.0	26.7
16" X 90 DEGREE BEND	4.5	4.5	2.0	2.0	18.9
16" X 45 DEGREE BEND	3.0	3.5	2.0	2.0	10.2
16" X 22-1/2 DEGREE BEND	2.5	2.5	2.0	2.0	5.2
16" X 11-1/4 DEGREE BEND	1.5	2.0	2.0	2.0	2.6
12" X 12" X 12" TEE	4.0	4.0	1.5	1.5	15.4
12" X 90 DEGREE BEND	3.0	4.0	1.5	1.5	10.9
12" X 45 DEGREE BEND	2.0	3.0	1.5	1.5	5.9
12" X 22-1/2 DEGREE BEND	1.5	2.0	1.5	1.5	3.0
12" X 11-1/4 DEGREE BEND	1.0	1.5	1.5	1.5	1.5
10" X 10" X 10" TEE	3.0	4.0	1.5	1.5	10.9
10" X 90 DEGREE BEND	3.0	3.0	1.5	1.5	7.7
10" X 45 DEGREE BEND	2.0	3.0	1.5	1.5	4.2
10" X 22-1/2 DEGREE BEND	1.5	1.5	1.5	1.5	2.1
10" X 11-1/4 DEGREE BEND	1.0	1.5	1.5	1.5	1.1
8" X 8" X 8" TEE	2.5	3.0	1.0	1.0	7.2
8" X 90 DEGREE BEND	2.5	2.5	1.0	1.0	5.1
8" X 45 DEGREE BEND	1.5	2.0	1.0	1.0	2.8
8" X 22-1/2 DEGREE BEND	1.0	2.0	1.0	1.0	1.4
8" X 11-1/4 DEGREE BEND	1.0	1.0	1.0	1.0	1.0

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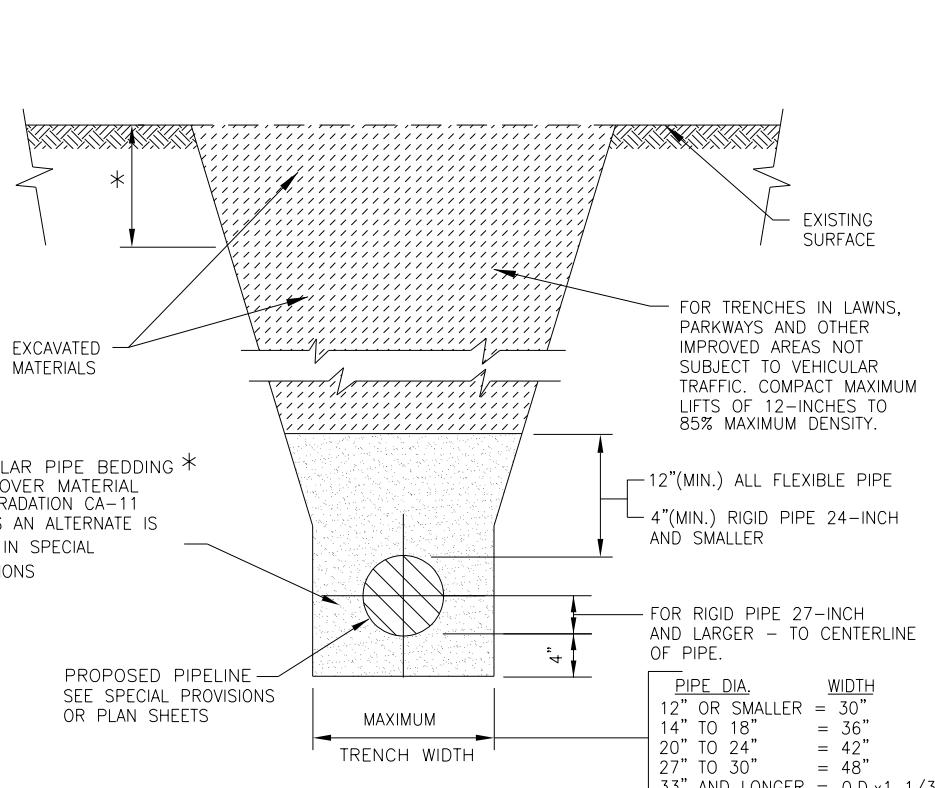
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CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-Details.dgn

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NORTH PARK PUBLIC WATER DISTRICT  
 ROUTE 173 WATER MAIN RELOCATION  
 WATER MAIN REPLACEMENT DETAILS

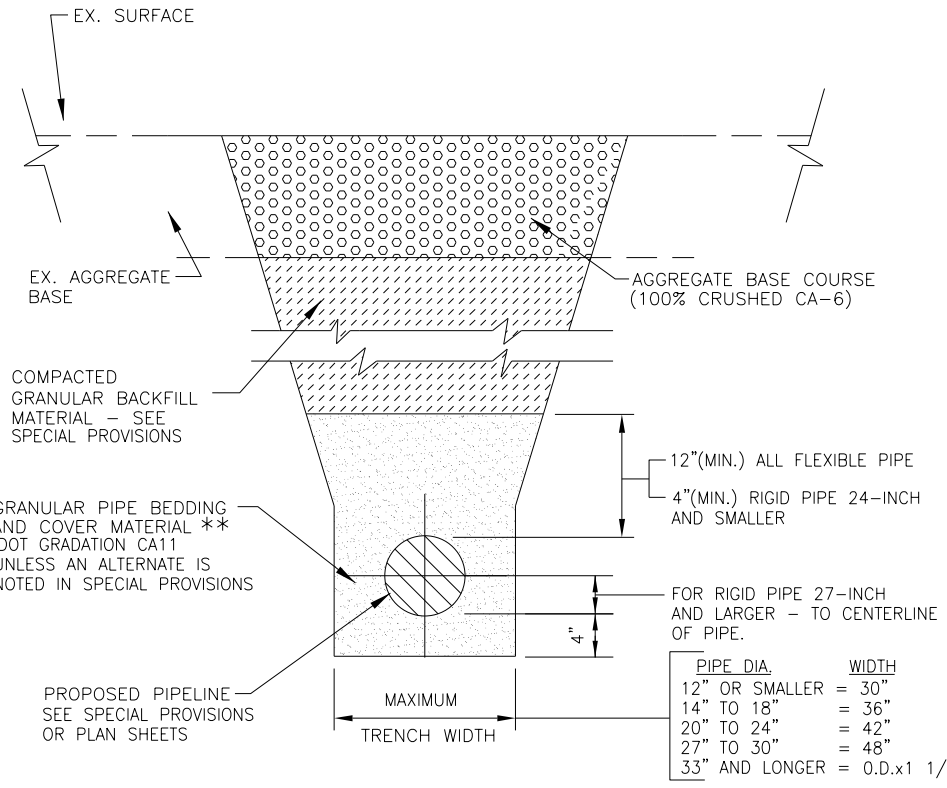
F.A.P. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 479
SCALE: NONE		STA. TO STA.	CONTRACT NO.	
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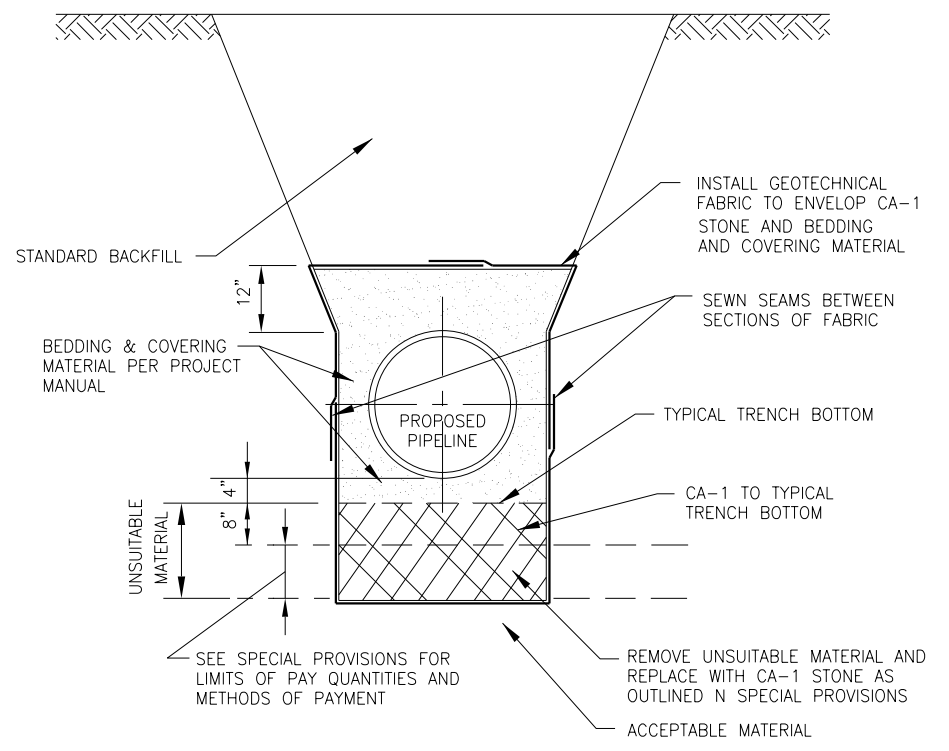
**TYPICAL TRENCH DETAIL**  
NO SCALE

FOR NON-PAVED AREAS  
 \* FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH ASTM 2321, CLASS I OR II.  
 FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

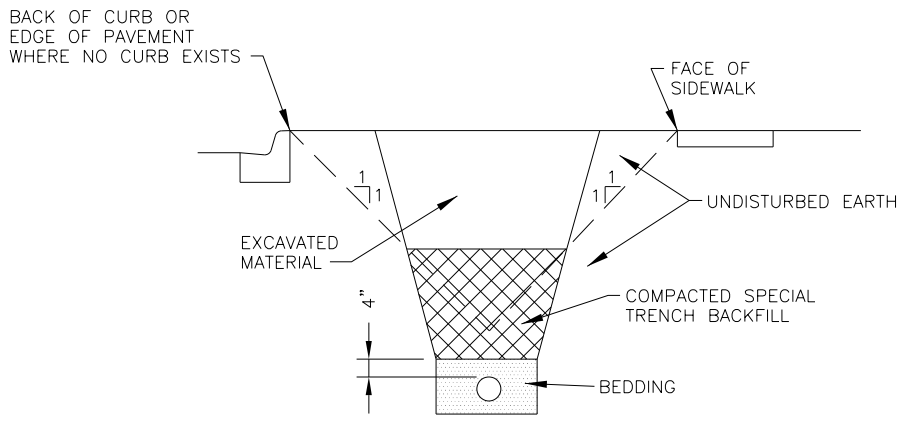


**TYPICAL TRENCH DETAIL**  
NO SCALE

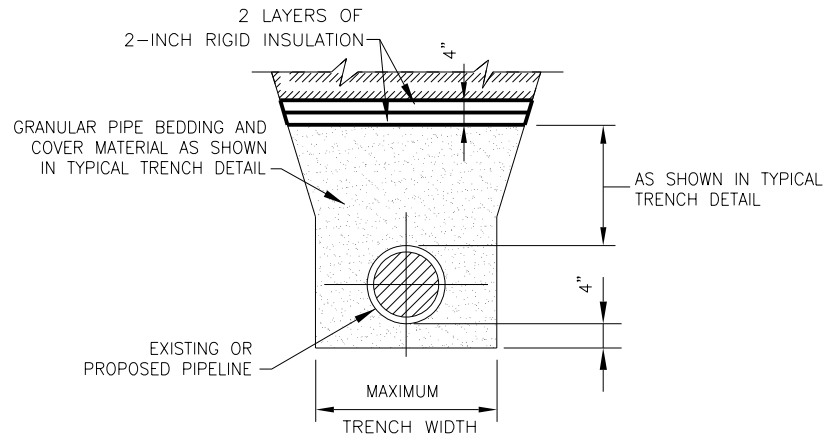
FOR PAVED AREAS WITH AGGREGATE BASE AND COMPACTED GRANULAR BACKFILL MATERIAL  
 \*\* FOR FLEXIBLE THERMOPLASTIC PIPE COMPLY WITH ASTM D2321, CLASS IA, IB, OR II., (IDOT GRADATION CA15)  
 FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



**OPEN CUT PIPELINE INSTALLATION  
 UNSUITABLE MATERIAL  
 REMOVAL/REPLACEMENT DETAIL**  
NO SCALE



**LIMITS OF SPECIAL TRENCH BACKFILL FOR  
 EXCAVATION IN THE PROXIMITY OF PAVED SURFACES**  
NO SCALE



**PIPE INSULATION DETAIL**  
NO SCALE



DESIGNED - MPK	REVISED -
DRAWN - KAR	REVISED -
CHECKED - MPK	REVISED -
DATE - APRIL 30, 2013	FILE - 110789-WaterMain-Details.dgn

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

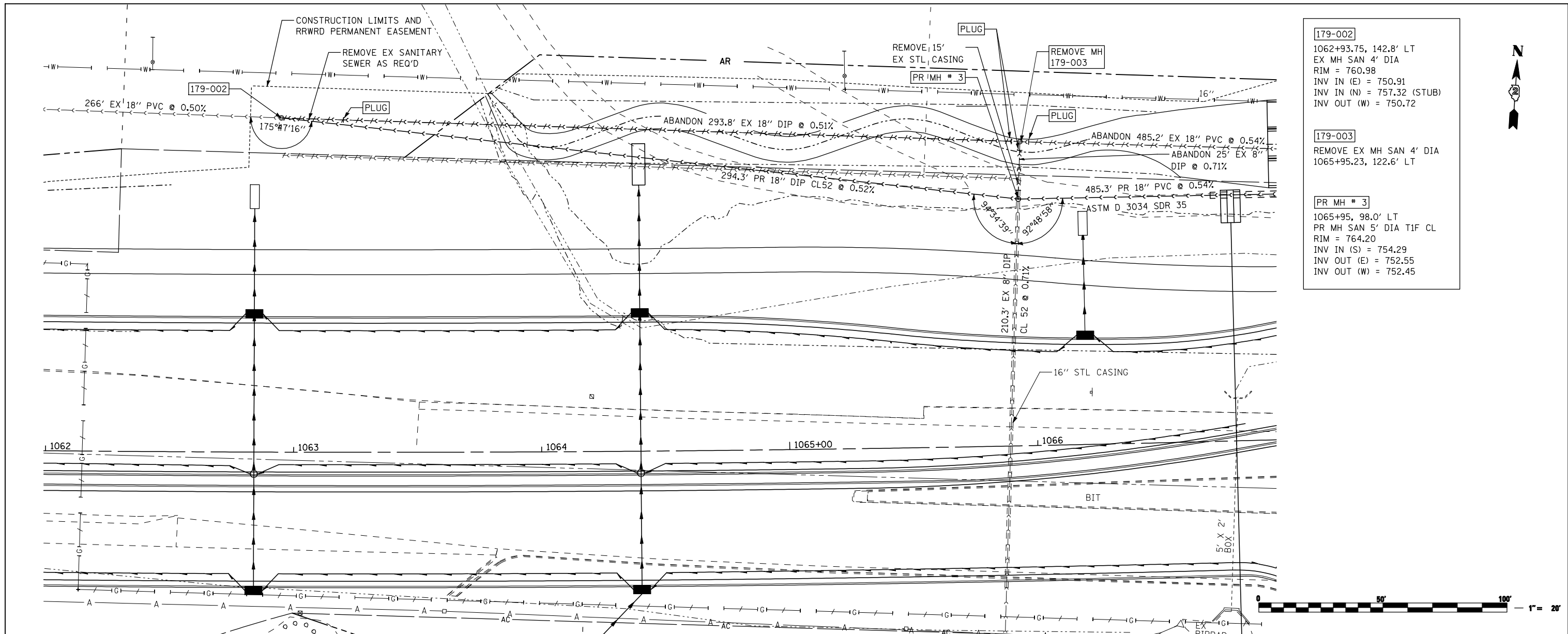
**NORTH PARK PUBLIC WATER DISTRICT  
 ROUTE 173 WATER MAIN RELOCATION  
 WATER MAIN REPLACEMENT DETAILS**

F.A.P. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 480
SCALE: NONE		STA. TO STA.	CONTRACT NO.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	NOT CHECKED	
	RT. OF WAY CHECKED	
	CAAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	NOT CHECKED	
	STRUCTURE NOTATNS CHKD	



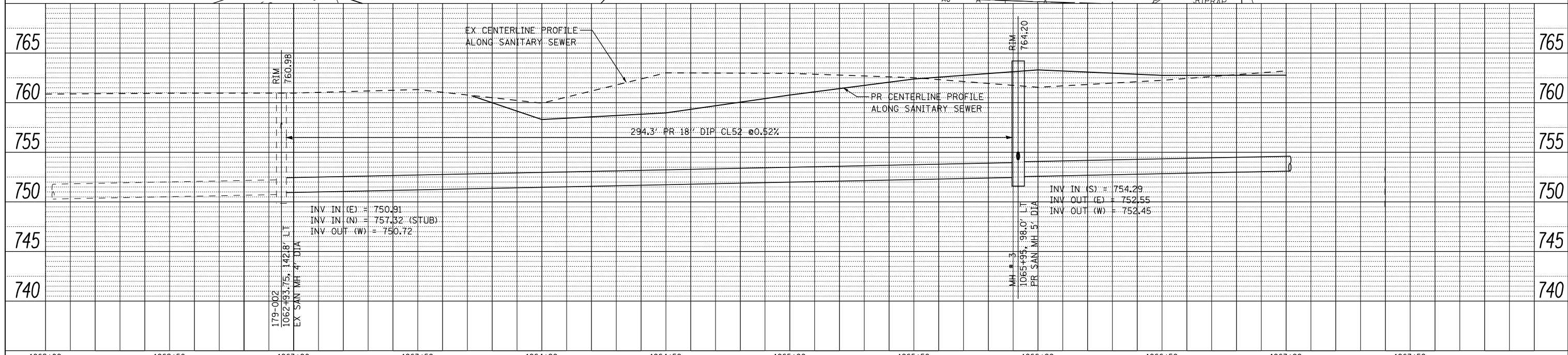
179-002
1062+93.75, 142.8' LT
EX MH SAN 4' DIA
RIM = 760.98
INV IN (E) = 750.91
INV IN (N) = 757.32 (STUB)
INV OUT (W) = 750.72

179-003
REMOVE EX MH SAN 4' DIA
1065+95.23, 122.6' LT

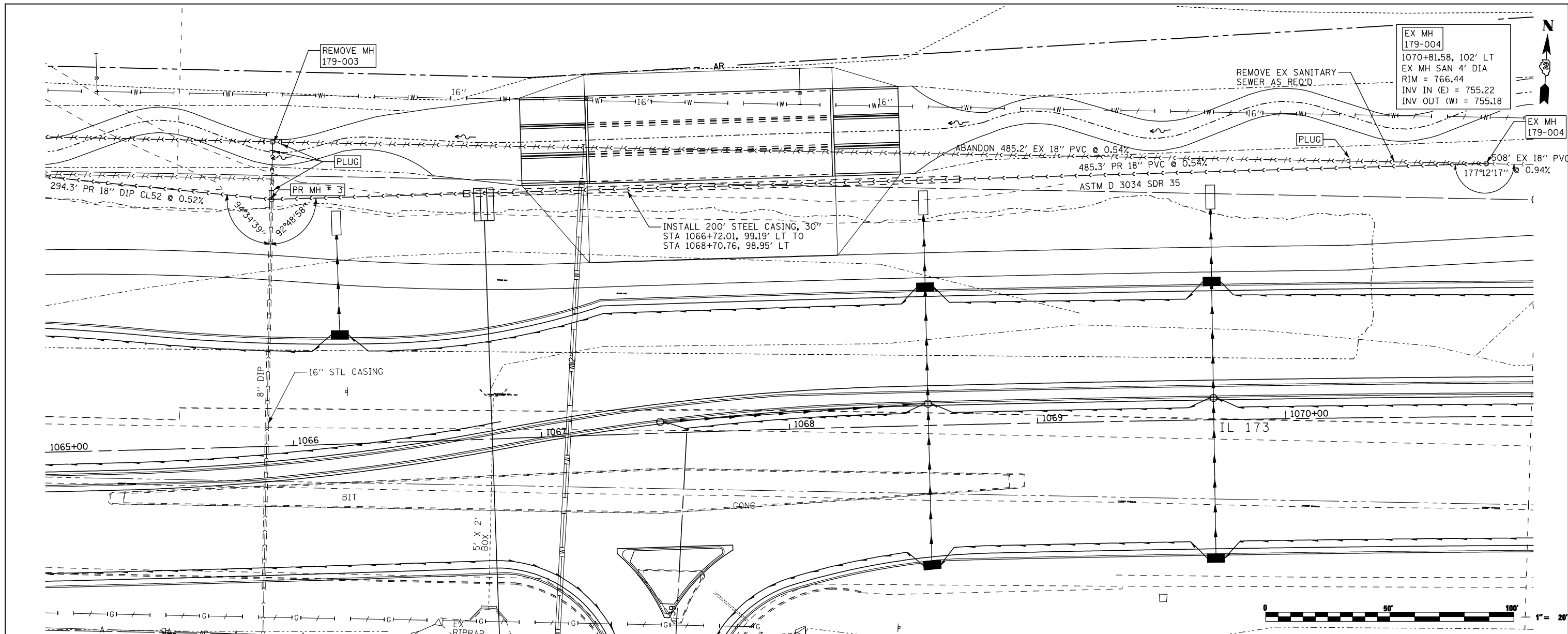
PR MH # 3
1065+95, 98.0' LT
PR MH SAN 5' DIA T1F CL
RIM = 764.20
INV IN (S) = 754.29
INV OUT (E) = 752.55
INV OUT (W) = 752.45



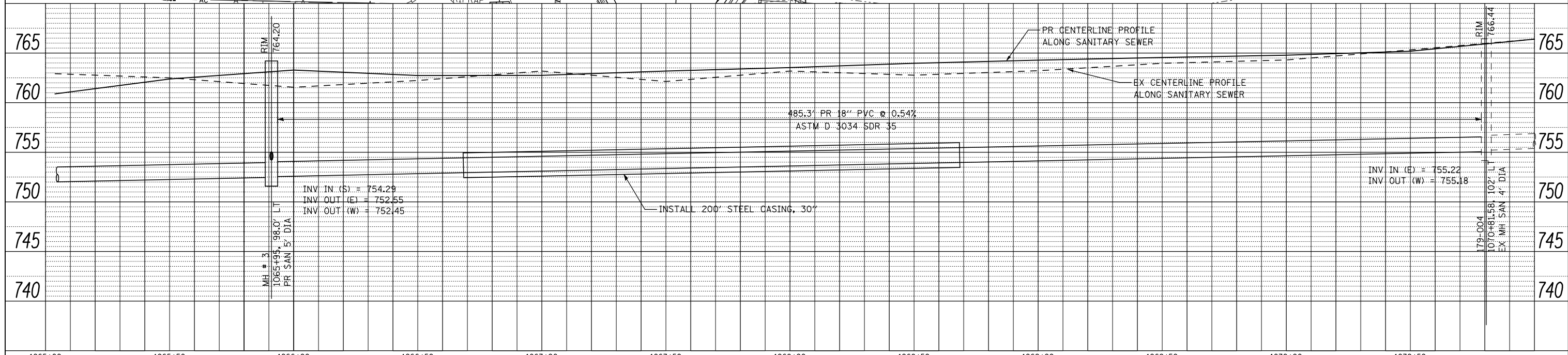
FILE NAME = ... \CAAD SHEETS\Z00793SANPLN01.dgn	USER NAME = Elgin 110	DESIGNED - MW	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SANITARY SEWER RELOCATION PLANS</b> <b>IL 173 FROM ALPINE ROAD TO I-90</b>	F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 481		
THE UPCHURCH GROUP, INC.	PLOT SCALE = 40.0000' / IN.	CHECKED - MJS	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1062+00	TOSTA. 1067+00	CONTRACT NO. 64988		
	PLOT DATE = 5/7/2013 11:47:30 AM	DATE - APRIL 30, 2013	REVISED -			ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	STRUCTURE NOTATION CHKD	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	STRUCTURE NOTATION CHKD	
	CADD FILE NAME	



EX MH  
179-004  
1070+81.58, 102' LT  
EX MH SAN 4' DIA  
RIM = 766.44  
INV IN (E) = 755.22  
INV OUT (W) = 755.18



FILE NAME =	USER NAME = Elgin 110	DESIGNED - MW	REVISED -
...\\CADD SHEETS\Z00793SANPLN02.dgn		DRAWN - RMH	REVISED -
		CHECKED - MJS	REVISED -
		DATE - APRIL 30, 2013	REVISED -

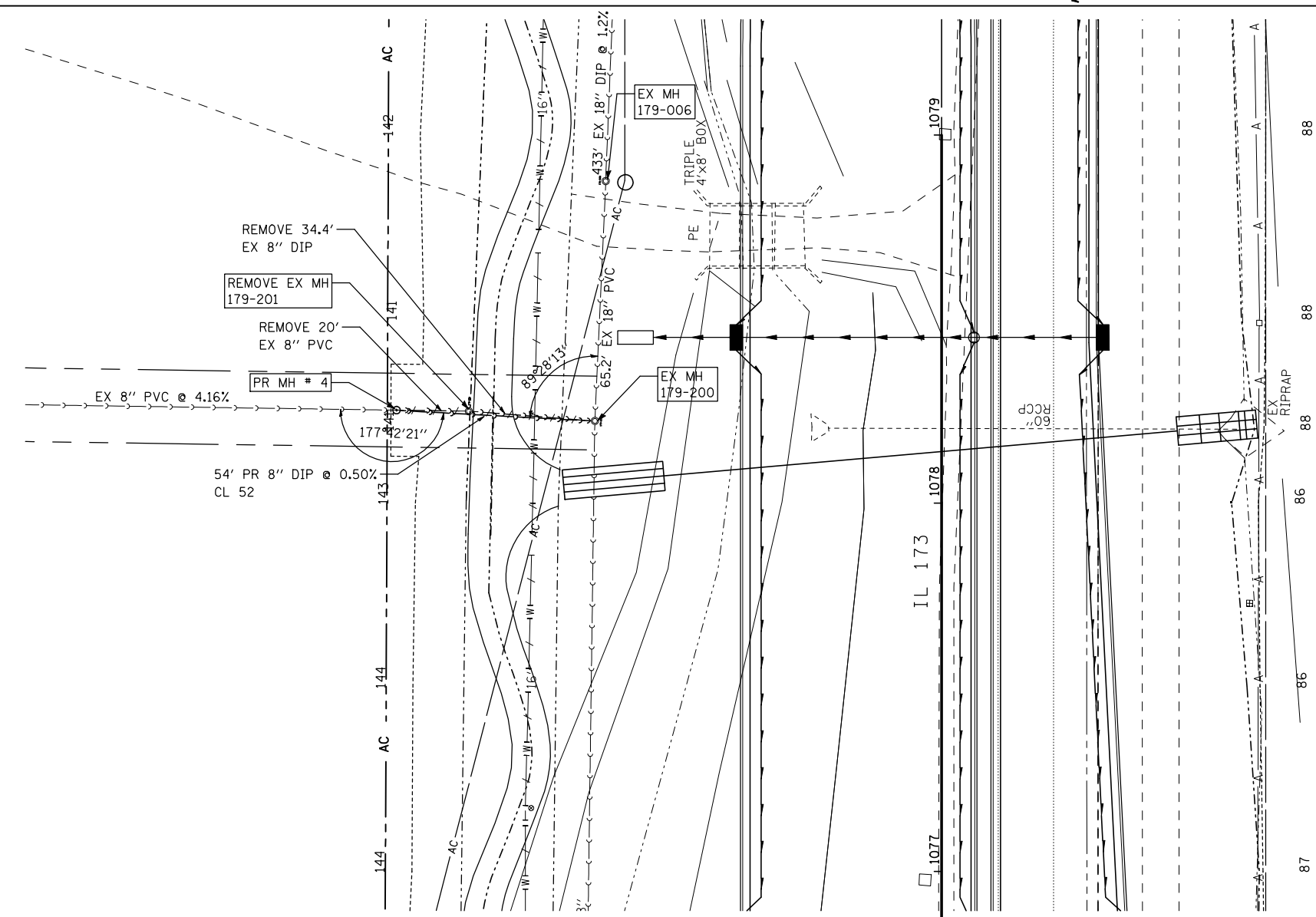
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SANITARY SEWER RELOCATION PLANS  
IL 173 FROM ALPINE ROAD TO I-90**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	482
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	

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

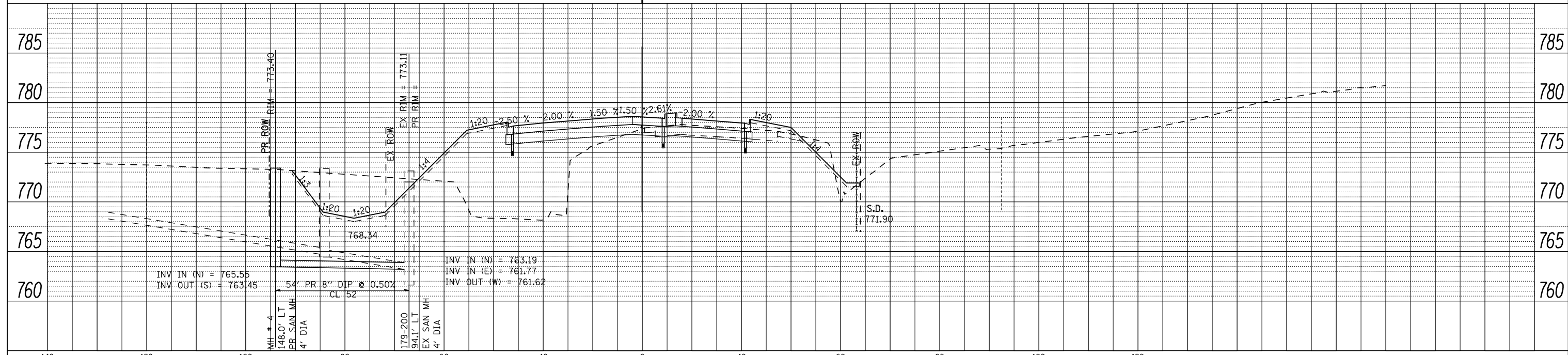
PROF ILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
	FILE NAME	



**EX MH 179-200**  
 1078+22.35, 94.1' LT  
 EX MH SAN 4' DIA  
 EX RIM = 773.11  
 PR RIM = 772.00  
 INV IN (N) = 763.19  
 INV IN (E) = 761.77  
 INV OUT (W) = 761.62

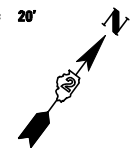
**REMOVE MH 179-201**  
 REMOVE EX MH SAN 4' DIA  
 1078+25, 128.4' LT

**PR MH # 4**  
 1078+25.27, 148.0' LT  
 PR MH SAN 4' DIA  
 RIM = 773.40  
 INV IN (N) = 765.55  
 INV OUT (S) = 763.45



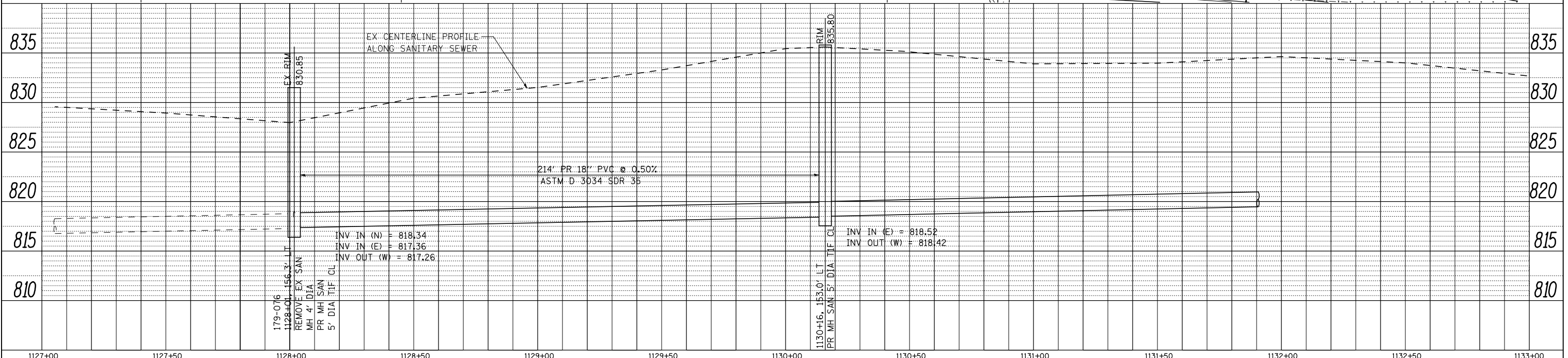
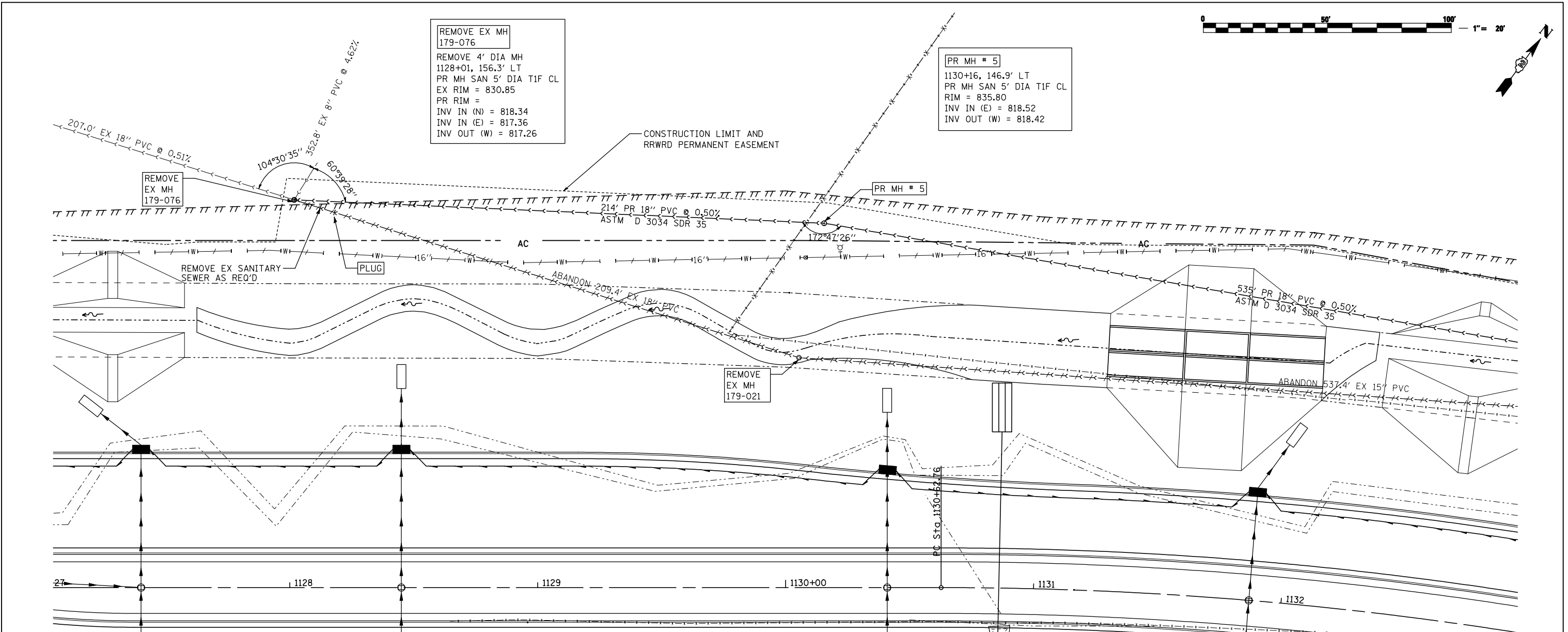
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THE UPCHURCH GROUP, INC.	PLOT SCALE = 40.0000' / IN.	CHECKED - MJS	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 1077+00 TO STA. 1079+00	CONTRACT NO. 64988		
	PLOT DATE = 5/2/2013 11:22:44 AM	DATE - APRIL 30, 2013	REVISED -			ILLINOIS FED. AID PROJECT					





PLAN	SURVEYED	DATE
BY	BY	BY
NO.	NO.	NO.

PROFILE	SURVEYED	DATE
BY	BY	BY
NO.	NO.	NO.



FILE NAME = ...\\CADD SHEETS\Z00793SANPLN05.dgn  
**THE UPCHURCH GROUP, INC.**

USER NAME = Elgin 110  
 DESIGNED - MW  
 DRAWN - RMH  
 CHECKED - MJS  
 PLOT SCALE = 40.0000 ' / IN.  
 PLOT DATE = 5/2/2013 11:24:00 AM

DATE - APRIL 30, 2013

REVISIONS:  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

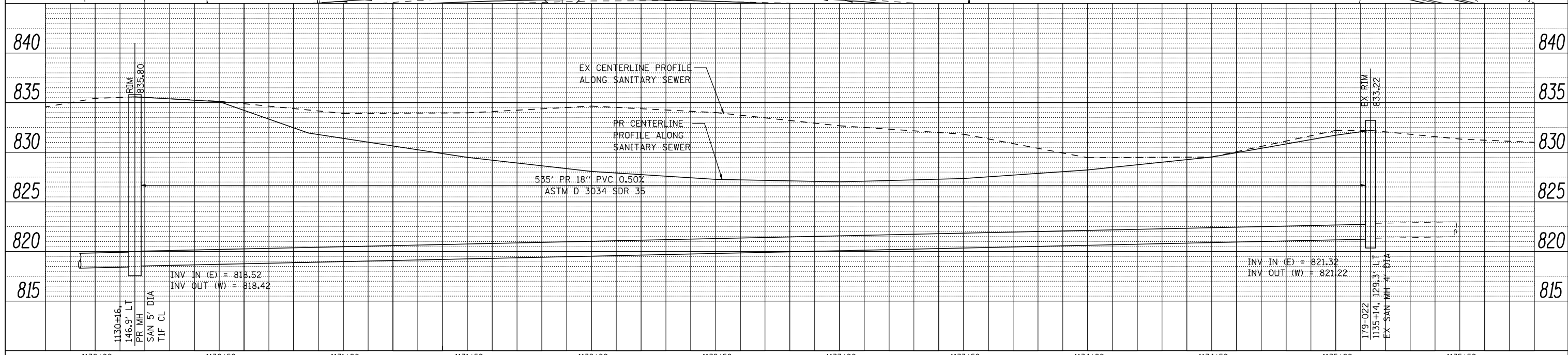
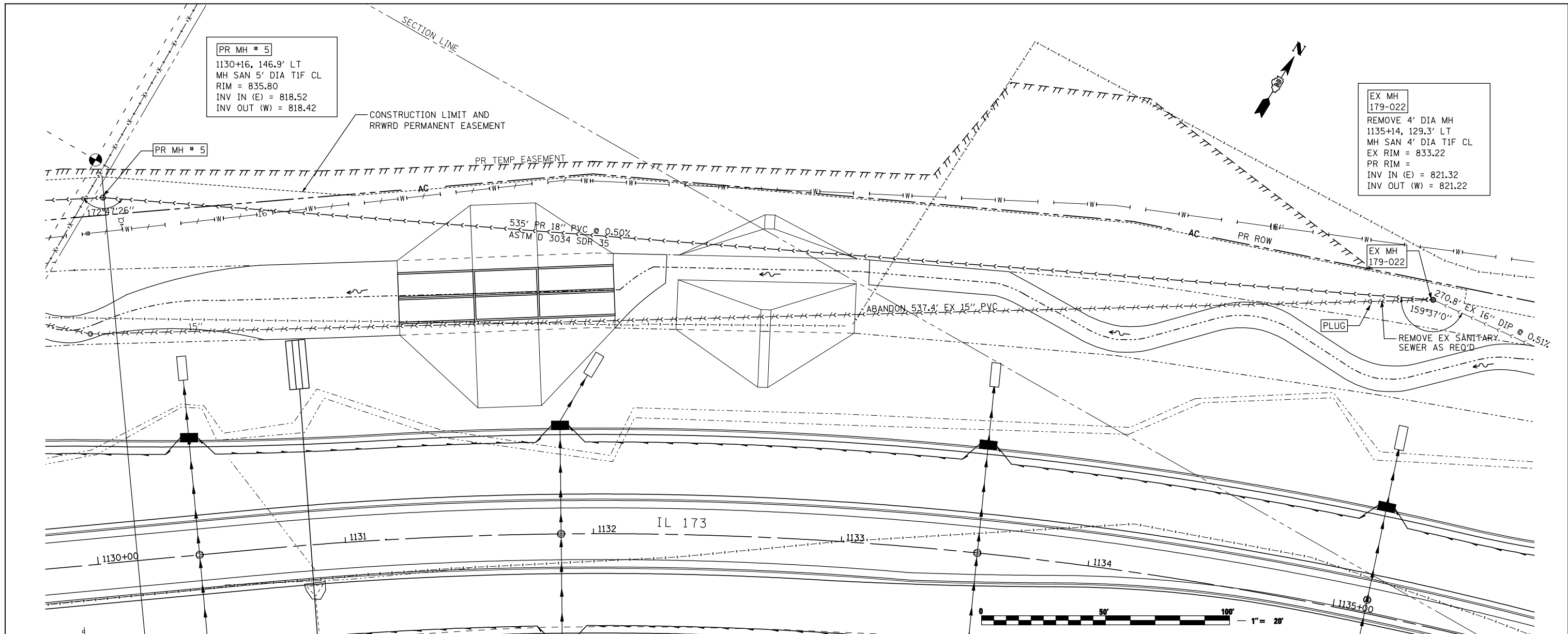
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SANITARY SEWER RELOCATION PLANS  
 IL 173 FROM ALPINE ROAD TO I-90**  
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 1127+00 TO STA. 1133+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	485
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

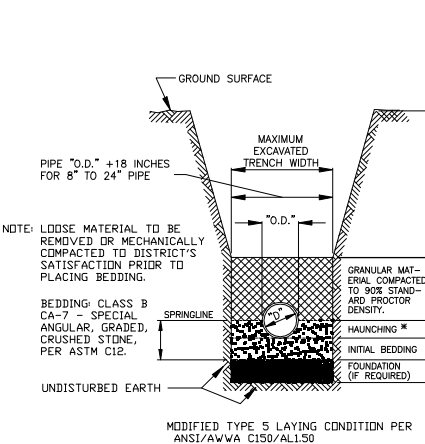
PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
NO.	BY	
FILE NAME	CHECKED	
	BY	
	DATE	

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

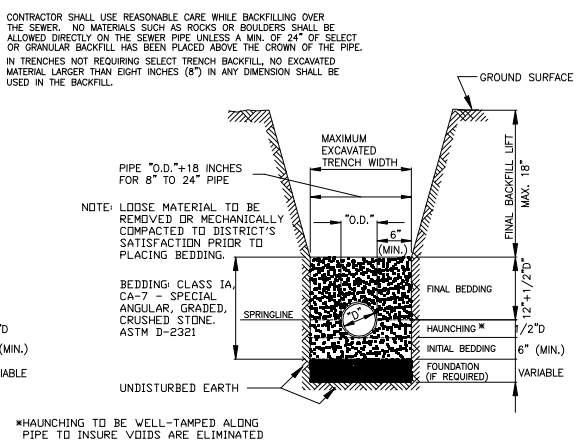


FILE NAME =	USER NAME = Elgin 110	DESIGNED - MW	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SANITARY SEWER RELOCATION PLANS</b> <b>IL 173 FROM ALPINE ROAD TO I-90</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\CADD SHEETS\Z007935ANPLN06.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN - RMH	REVISED -			303	129R	WINNEBAGO	968	486
THE UPCHURCH GROUP, INC.	PLOT DATE = 5/2/2013 11:26:12 AM	CHECKED - MJS	REVISED -			CONTRACT NO. 64988		ILLINOIS FED. AID PROJECT		

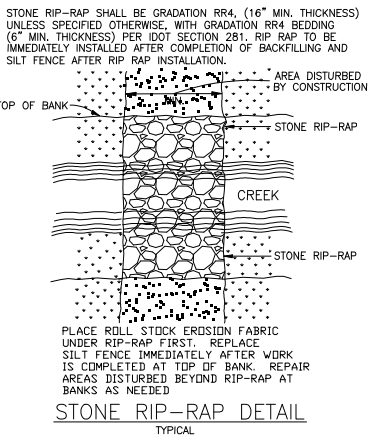




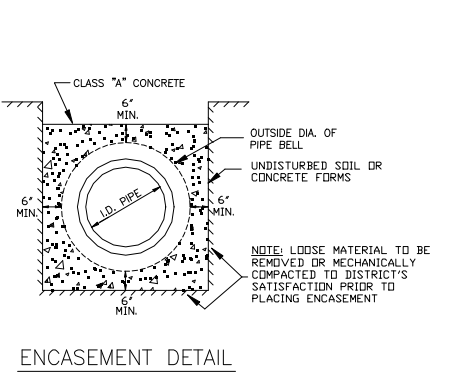
CLAY, RCP & DIP PIPE BEDDING DETAIL



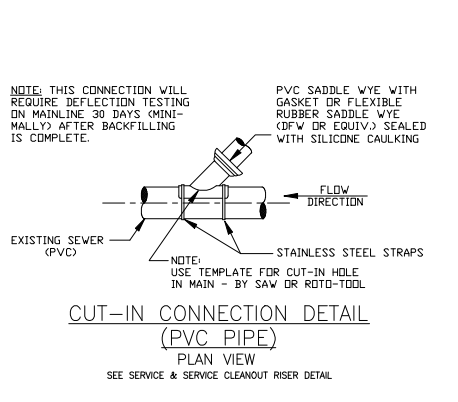
PVC PIPE BEDDING DETAIL



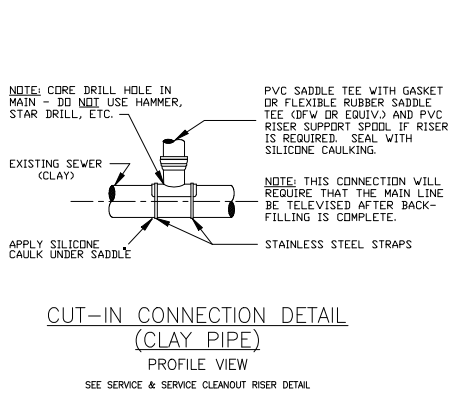
STONE RIP-RAP DETAIL TYPICAL



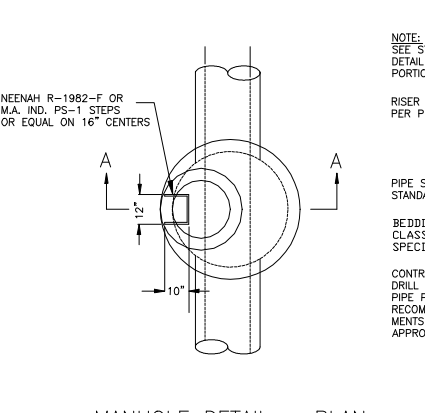
ENCASEMENT DETAIL



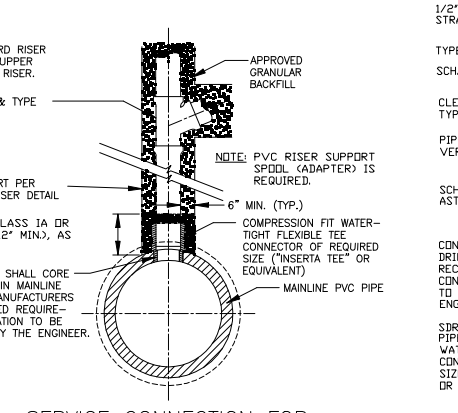
CUT-IN CONNECTION DETAIL (PVC PIPE) PLAN VIEW



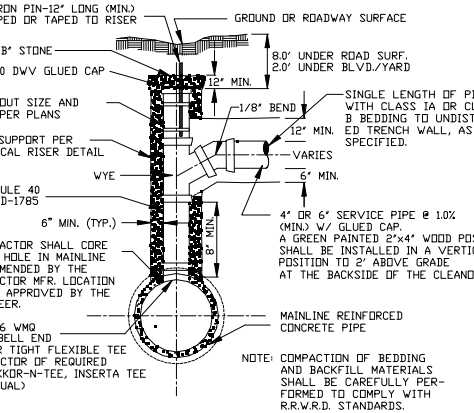
CUT-IN CONNECTION DETAIL (CLAY PIPE) PROFILE VIEW



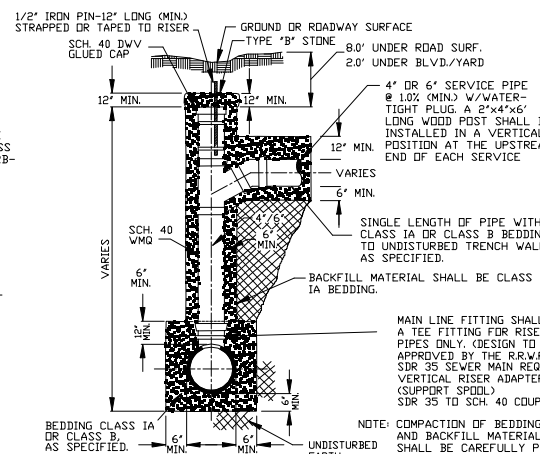
MANHOLE DETAIL - PLAN



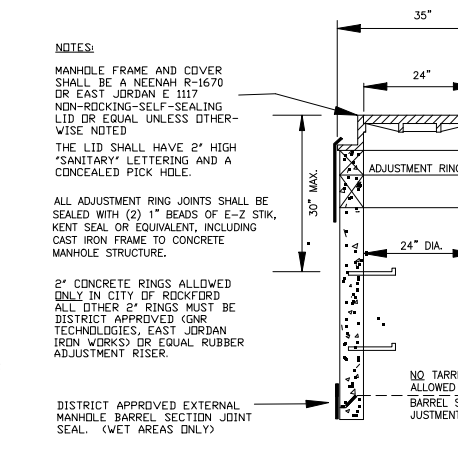
SERVICE CONNECTION FOR PVC TRUNK SEWER FOR PIPE 18\"/>



SERVICE CONNECTION DETAIL FOR RCP NO SCALE



VERTICAL RISER DETAIL SECTION A-A



SANITARY MANHOLE ADJUSTMENT DETAIL NO SCALE

PIPE SIZE	MIN. DIAMETER	MIN. WALL THICKNESS
8" - 16"	4"	5/8"
18" - 24"	5"	5/8"
24" - 36"	6"	7/8"

(OR AS DIRECTED BY THE DISTRICT)

NOTE: THE MAXIMUM DROP FROM THE INVERT OF ANY PIPE IN A MANHOLE TO THE POURED CHANNEL UNDER THAT PIPE SHALL BE 8".

NOTE: MANHOLES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY MUST BE MARKED WITH A METAL FENCE POST

ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C 1244 PRIOR TO PLACING INTO SERVICE. EXISTING MANS WILL NOT REQUIRE VACUUM TESTING.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

NOTE: MANHOLES SHALL BE BACKFILLED WITH GRANULAR MATERIAL

NOTE: MANHOLE SHALL BE BACKFILLED WITH CLASS IA ANGULAR CRUSHED STONE TO 12" ABOVE PROPOSED SEWER PROPERLY COMPACTED. APPROVED BY THE ENGINEER.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

ANCHOR FLEXIBLE PIPE TO WALL WITH STAINLESS STEEL STRAPS AND ANCHORS 18" CENTERS AS APPROVED BY THE ENGINEER. FULL ENTIRE EXCAVATION ONE FOOT (1') OVER TOP OF PIPE WITH BEDDING MATERIAL.

NOTE: OPENINGS IN MANHOLE WALL SHALL BE 6" (MIN.) FROM ANY JOINT.

FOR INCOMING SEWER SMALLER THAN 12" USE VERTICAL PIPE OF SAME DIAMETER. FOR INCOMING SEWER 12" OR GREATER, USE 12" VERTICAL PIPE.

NOTE: PIPE CONNECTION TO PROPOSED MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL (A-LOK OR EQUAL), CONFORMING TO A.S.T.M. F-477. CAST INTEGRALLY IN MANHOLE WALL OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE CONNECTION TO EXISTING MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE ACCESS SHALL BE MADE BY CORE DRILLING MANHOLE WALL.

PEX SERIES GASKETS ARE NOT PERMITTED IN MANHOLE OPENINGS OVER 20" DEEP. MAN OPENINGS OVER 20" DEEP SHALL REQUIRE A-LOK TO MANHOLE GASKET.

NOTE: MANHOLES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY MUST BE MARKED WITH A METAL FENCE POST

ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C 1244 PRIOR TO PLACING INTO SERVICE. EXISTING MANS WILL NOT REQUIRE VACUUM TESTING.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

NOTE: MANHOLES SHALL BE BACKFILLED WITH GRANULAR MATERIAL

NOTE: MANHOLE SHALL BE BACKFILLED WITH CLASS IA ANGULAR CRUSHED STONE TO 12" ABOVE PROPOSED SEWER PROPERLY COMPACTED. APPROVED BY THE ENGINEER.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

ANCHOR FLEXIBLE PIPE TO WALL WITH STAINLESS STEEL STRAPS AND ANCHORS 18" CENTERS AS APPROVED BY THE ENGINEER. FULL ENTIRE EXCAVATION ONE FOOT (1') OVER TOP OF PIPE WITH BEDDING MATERIAL.

NOTE: OPENINGS IN MANHOLE WALL SHALL BE 6" (MIN.) FROM ANY JOINT.

FOR INCOMING SEWER SMALLER THAN 12" USE VERTICAL PIPE OF SAME DIAMETER. FOR INCOMING SEWER 12" OR GREATER, USE 12" VERTICAL PIPE.

NOTE: PIPE CONNECTION TO PROPOSED MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL (A-LOK OR EQUAL), CONFORMING TO A.S.T.M. F-477. CAST INTEGRALLY IN MANHOLE WALL OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE CONNECTION TO EXISTING MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE ACCESS SHALL BE MADE BY CORE DRILLING MANHOLE WALL.

PEX SERIES GASKETS ARE NOT PERMITTED IN MANHOLE OPENINGS OVER 20" DEEP. MAN OPENINGS OVER 20" DEEP SHALL REQUIRE A-LOK TO MANHOLE GASKET.

NOTE: MANHOLES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY MUST BE MARKED WITH A METAL FENCE POST

ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C 1244 PRIOR TO PLACING INTO SERVICE. EXISTING MANS WILL NOT REQUIRE VACUUM TESTING.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

NOTE: MANHOLES SHALL BE BACKFILLED WITH GRANULAR MATERIAL

NOTE: MANHOLE SHALL BE BACKFILLED WITH CLASS IA ANGULAR CRUSHED STONE TO 12" ABOVE PROPOSED SEWER PROPERLY COMPACTED. APPROVED BY THE ENGINEER.

12" MAX., ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE. NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

ANCHOR FLEXIBLE PIPE TO WALL WITH STAINLESS STEEL STRAPS AND ANCHORS 18" CENTERS AS APPROVED BY THE ENGINEER. FULL ENTIRE EXCAVATION ONE FOOT (1') OVER TOP OF PIPE WITH BEDDING MATERIAL.

NOTE: OPENINGS IN MANHOLE WALL SHALL BE 6" (MIN.) FROM ANY JOINT.

FOR INCOMING SEWER SMALLER THAN 12" USE VERTICAL PIPE OF SAME DIAMETER. FOR INCOMING SEWER 12" OR GREATER, USE 12" VERTICAL PIPE.

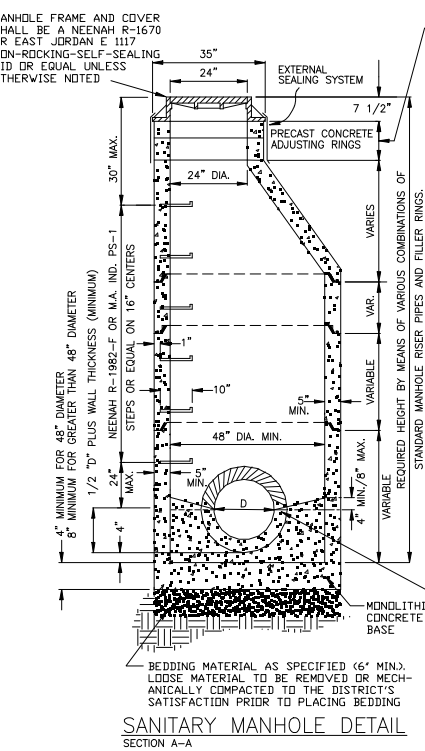
NOTE: PIPE CONNECTION TO PROPOSED MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL (A-LOK OR EQUAL), CONFORMING TO A.S.T.M. F-477. CAST INTEGRALLY IN MANHOLE WALL OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE CONNECTION TO EXISTING MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

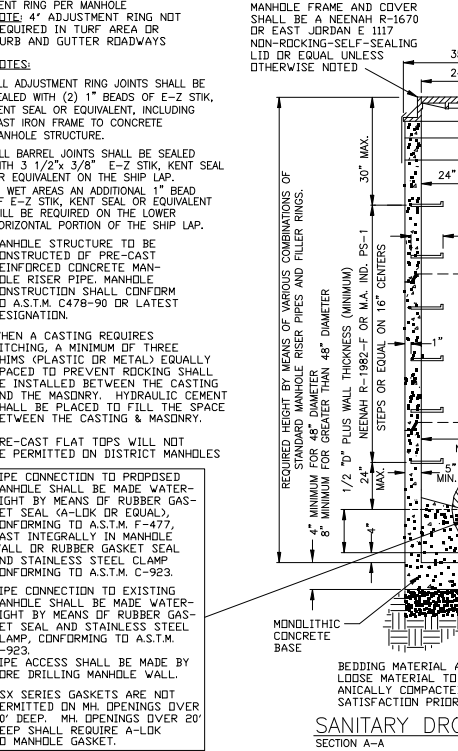
PIPE ACCESS SHALL BE MADE BY CORE DRILLING MANHOLE WALL.

PEX SERIES GASKETS ARE NOT PERMITTED IN MANHOLE OPENINGS OVER 20" DEEP. MAN OPENINGS OVER 20" DEEP SHALL REQUIRE A-LOK TO MANHOLE GASKET.

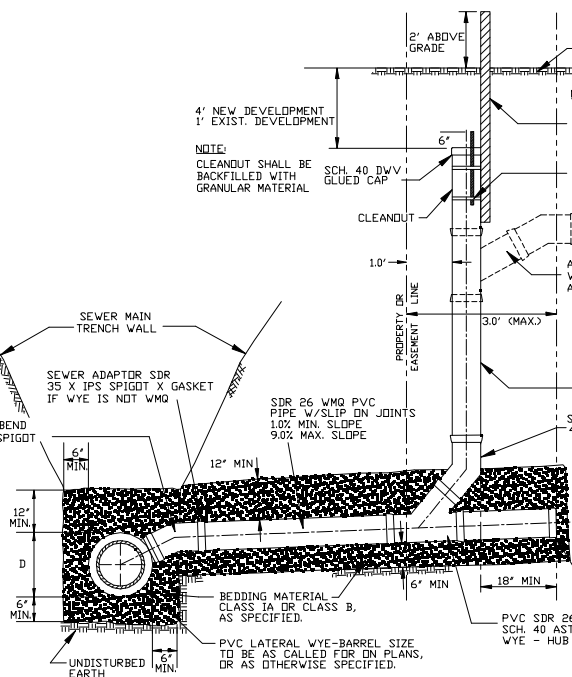
PLAN VIEW (RISER DETAIL)



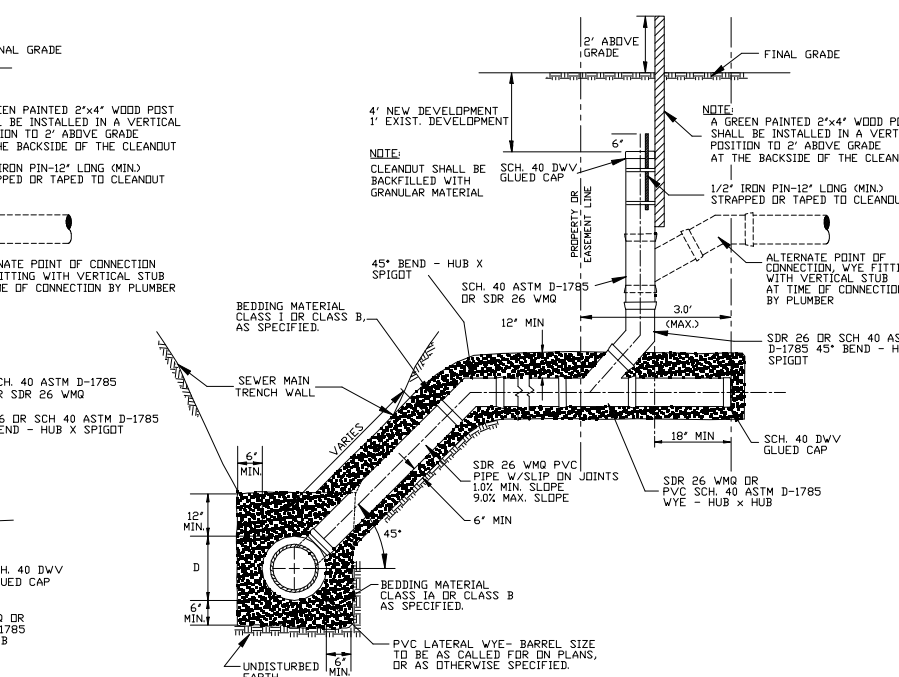
SANITARY MANHOLE DETAIL SECTION A-A



SANITARY DROP MANHOLE DETAIL SECTION A-A



SERVICE & SERVICE CLEANOUT RISER NO SCALE



ALTERNATE SERVICE RISER DETAIL (WITH SERVICE CLEANOUT) NO SCALE

ROCK RIVER WATER RECLAMATION DISTRICT

3501 KISHWAUKEE ST., P.O. BOX 7480, ROCKFORD, ILLINOIS 61126-7480 - PH. (815) 387-7660/FAX (815) 387-7665

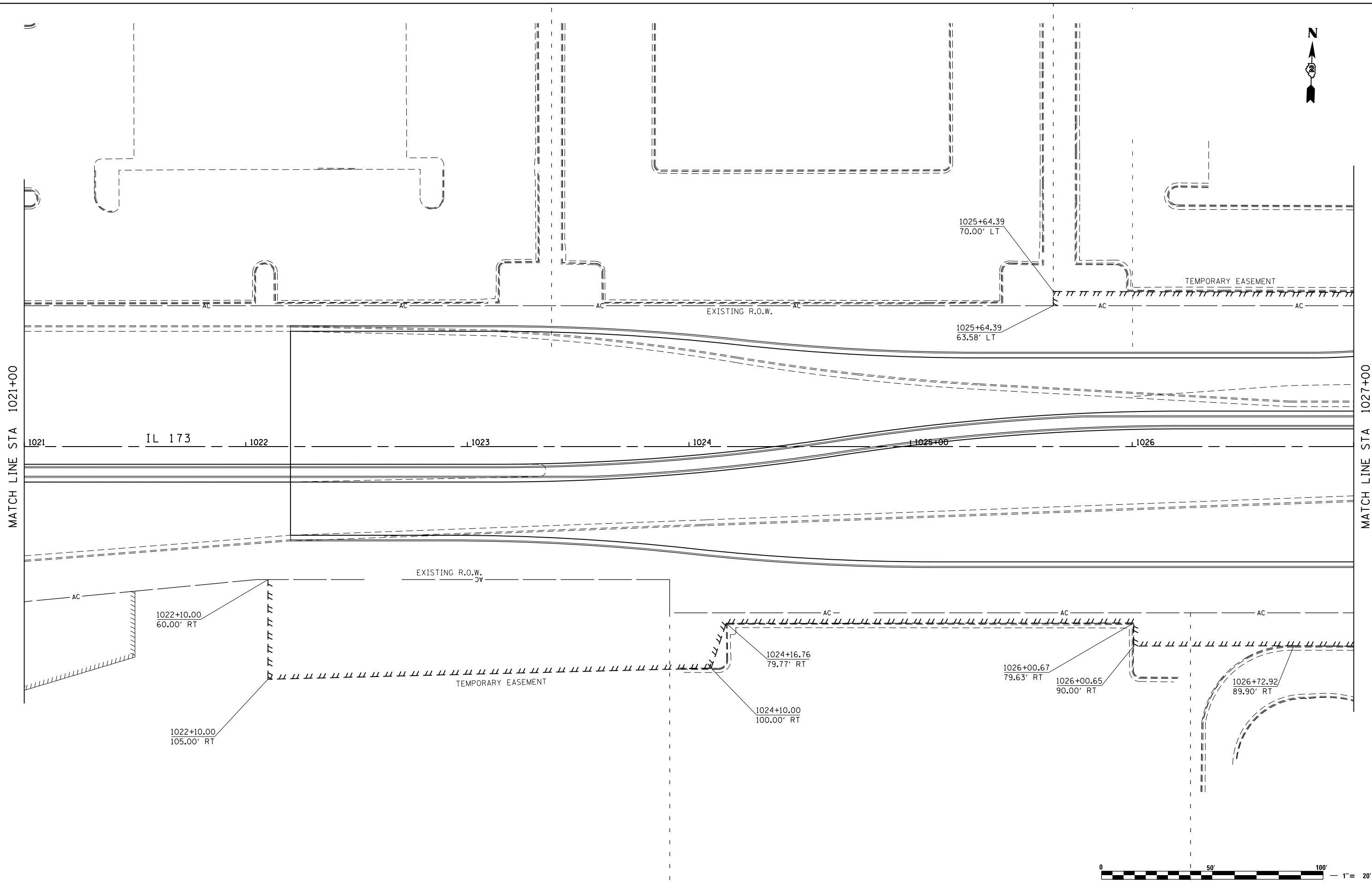
REVISED: 5/19/09 PAD

STANDARD DETAIL SHEET

FILE: DETAIL SHT\_09.DWG

SHEET 966 OF 488





MATCH LINE STA 1021+00

MATCH LINE STA 1027+00



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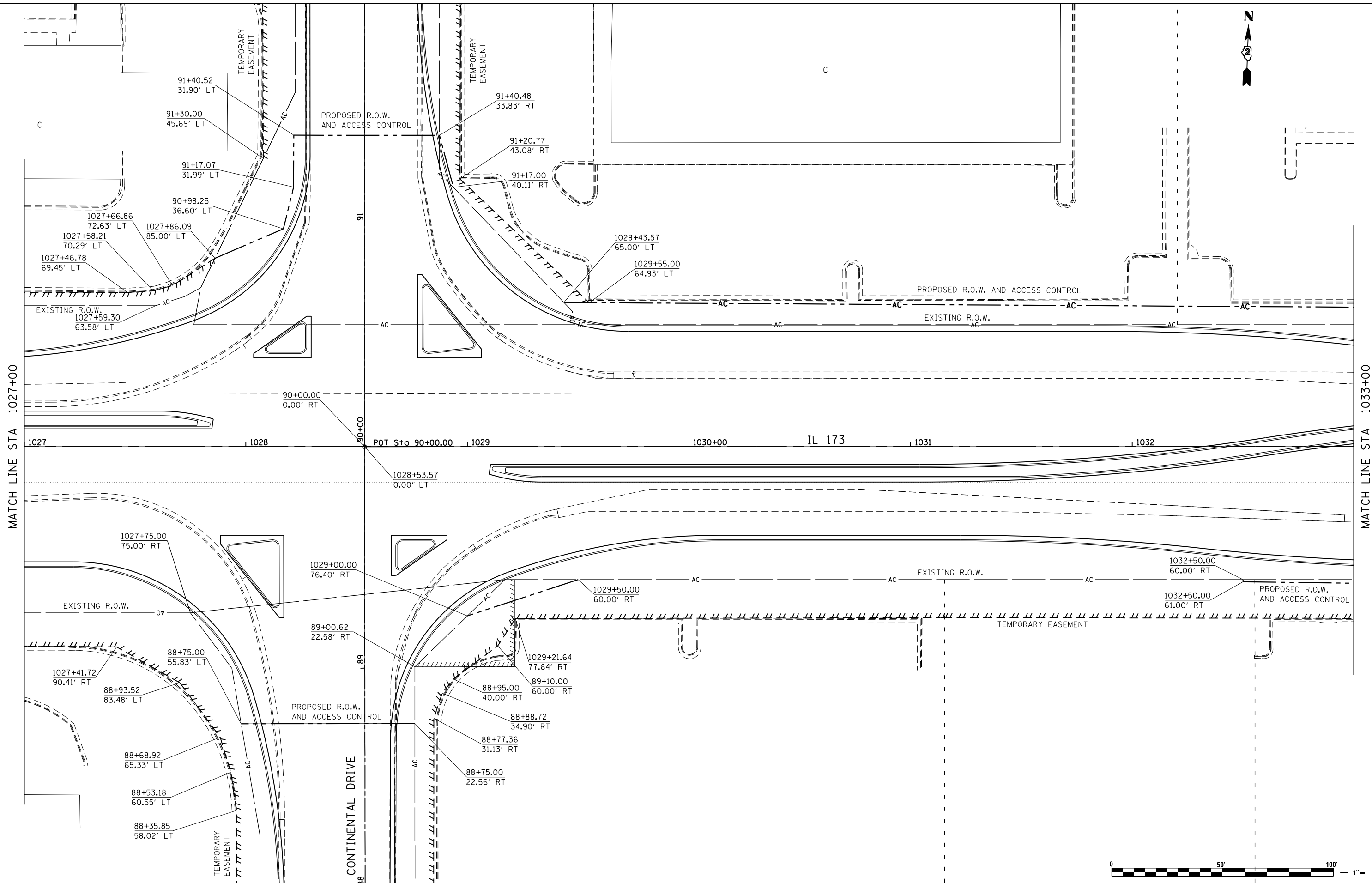


USER NAME = rgoertz	DESIGNED - KEC	REVISED -
	DRAWN - KEC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MTM	REVISED -
PLOT DATE = 5/2/2013 11:02:04 AM	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 1 OF 41 SHEETS
STA. 1021+00 TO STA. 1027+00	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 489
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	



MATCH LINE STA 1027+00

MATCH LINE STA 1033+00



FILE NAME = S:\Projects\2010\JOBS\10-21 Upchurch P1B 155 30 D2 P11 Alpine Rd\CADD\CADD Sheets\20073RME504.dgn  
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 PLOT DRIVER = \$PLTDRVS\$

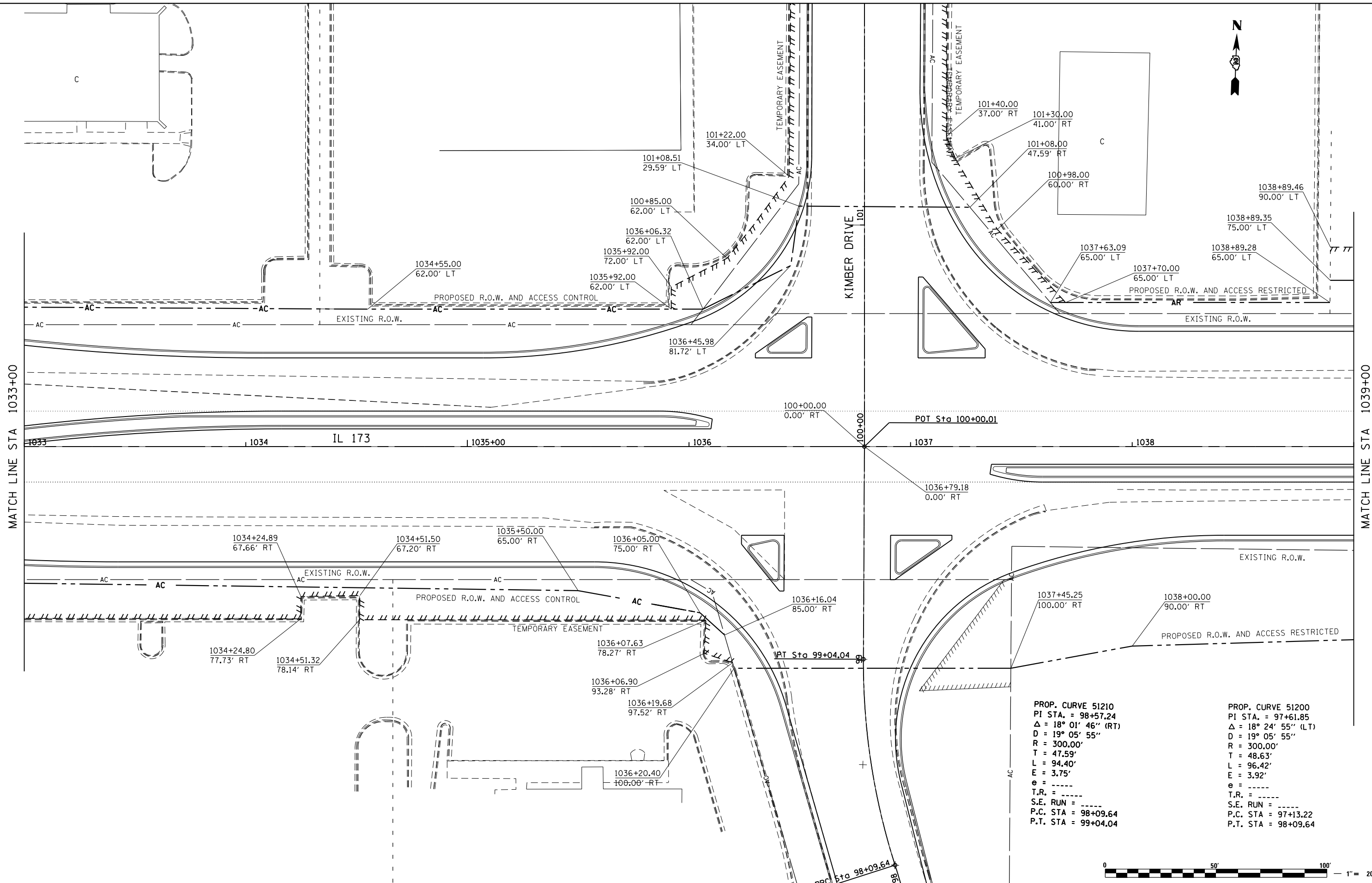


USER NAME = rgoertz	DESIGNED - KEC	REVISED -
	DRAWN - KEC	REVISED -
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PLOT DATE = 8/2/2013 4:10:10 PM	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 2 OF 41 SHEETS
STA. 1027+00 TO STA. 1033+00	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 490
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



**PROP. CURVE 51210**  
 PI STA. = 98+57.24  
 $\Delta = 18^\circ 01' 46''$  (RT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 47.59'$   
 $L = 94.40'$   
 $E = 3.75'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 98+09.64$   
 $P.T. STA = 99+04.04$

**PROP. CURVE 51200**  
 PI STA. = 97+61.85  
 $\Delta = 18^\circ 24' 55''$  (LT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 48.63'$   
 $L = 96.42'$   
 $E = 3.92'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 97+13.22$   
 $P.T. STA = 98+09.64$



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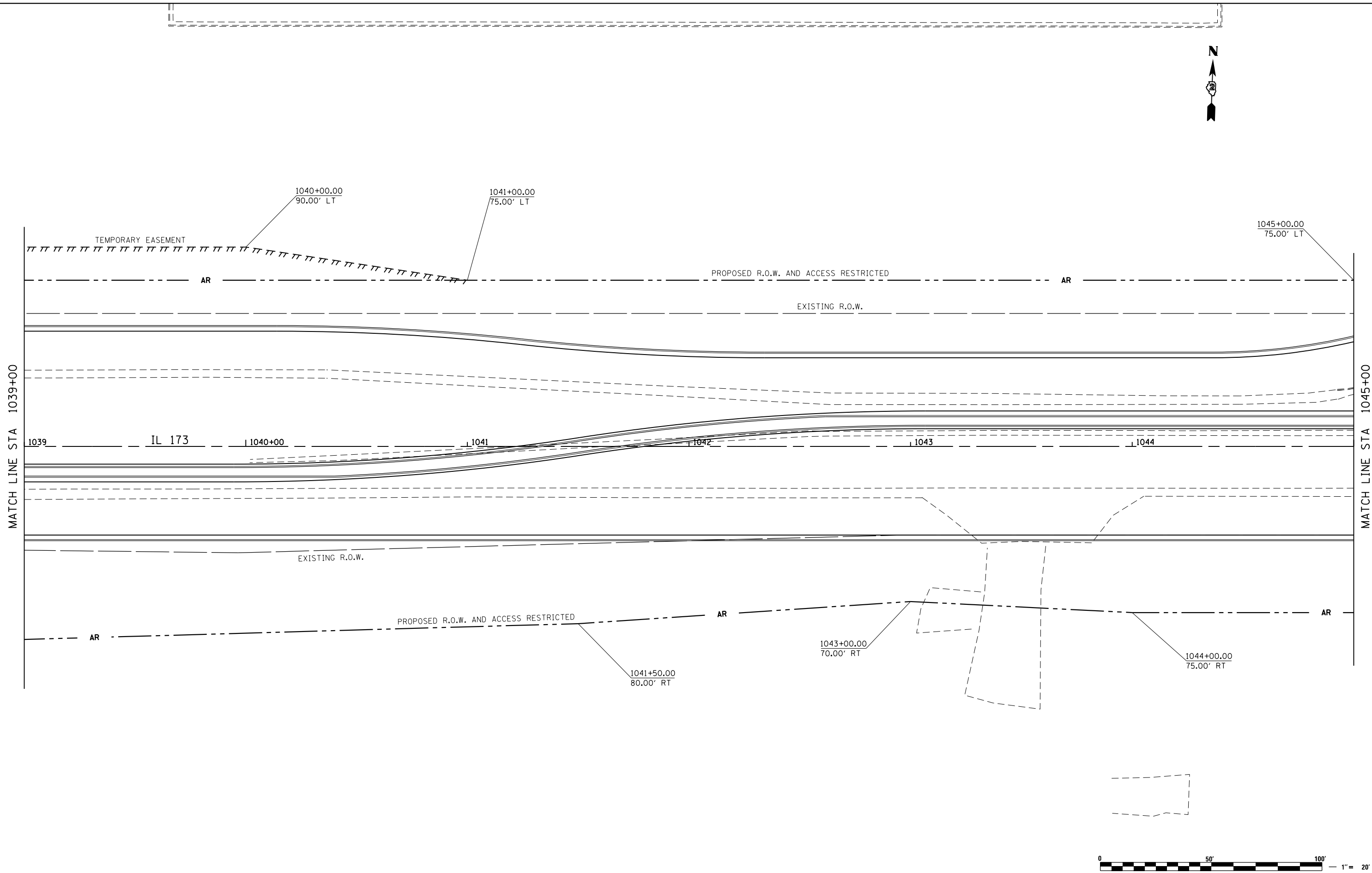


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	STA. 1033+00 TO STA. 1039+00
SHEET NO. 3 OF 41 SHEETS	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 491
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 1039+00

MATCH LINE STA 1045+00



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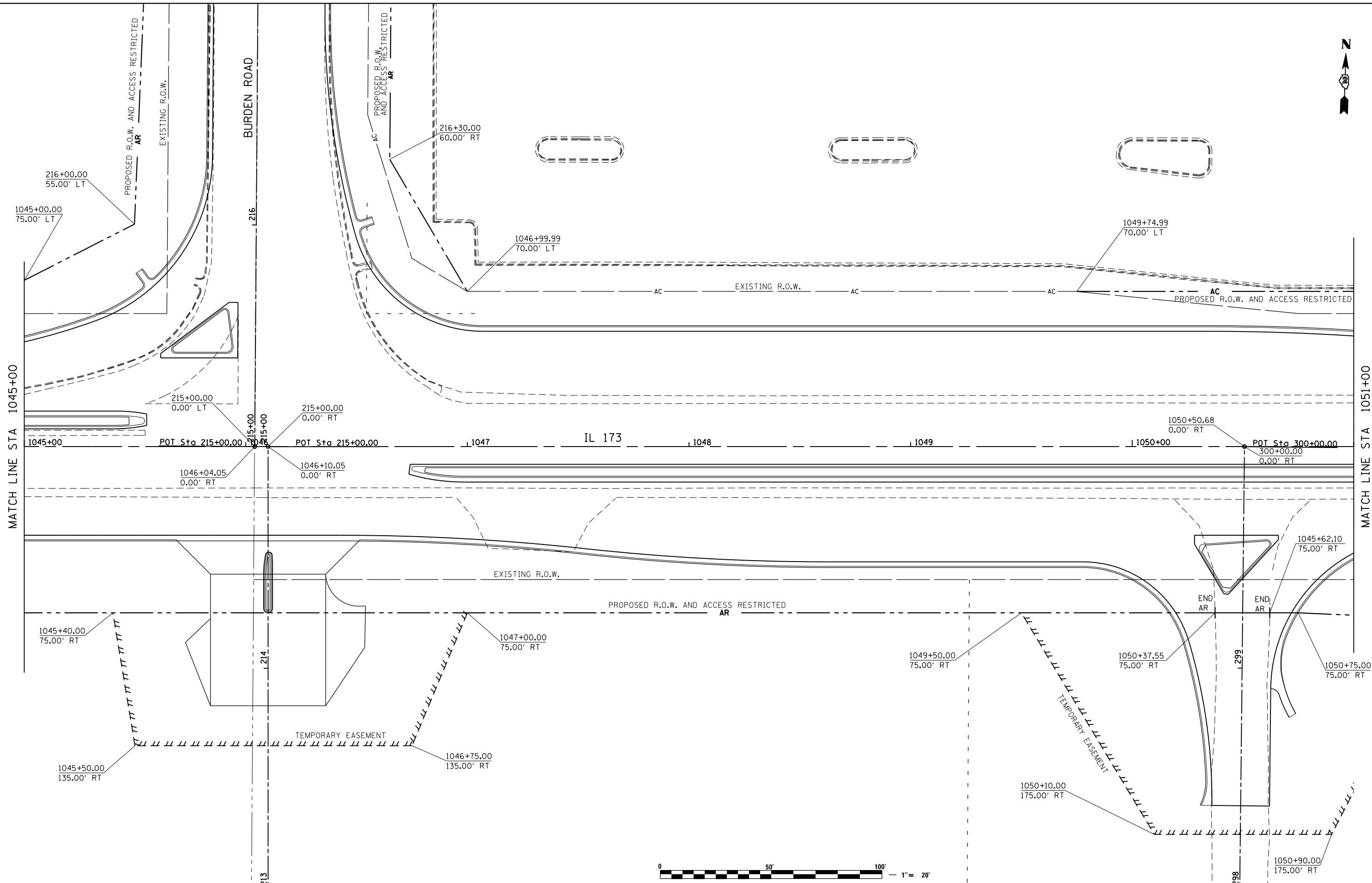


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PLOT DATE = 5/2/2013 11:02:05 AM		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 4 OF 41 SHEETS
STA. 1039+00 TO STA. 1045+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	492
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	



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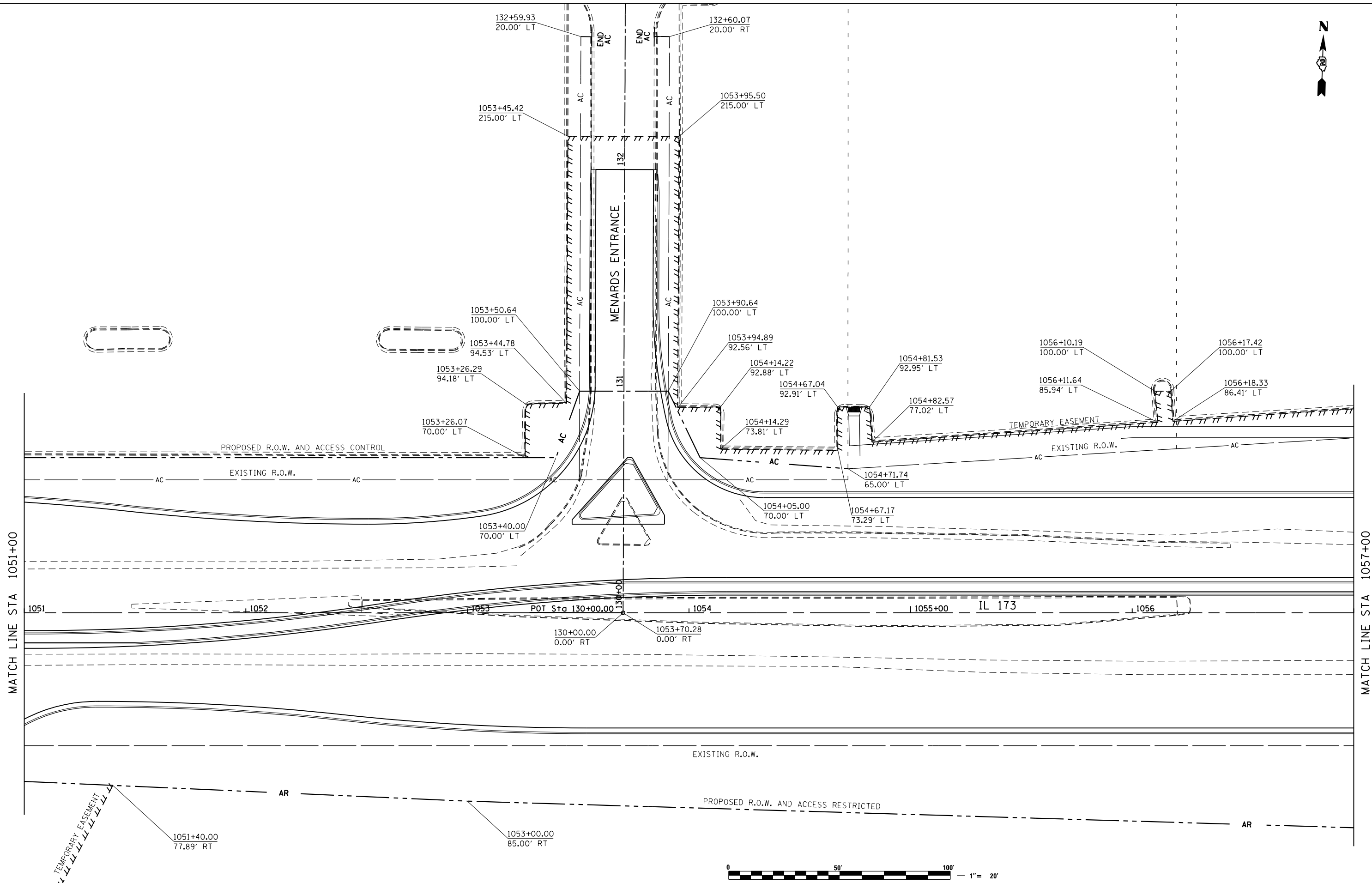


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PLOT DATE = 5/2/2013 11:02:06 AM	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 5 OF 41 SHEETS
STA. 1045+00 TO STA. 1051+00	

F.A.P. RTE. 303	SECTION 129R	COUNTY WINNEBAGO	TOTAL SHEETS 968	SHEET NO. 493
CONTRACT NO. 64988			ILLINOIS FED. AID PROJECT	



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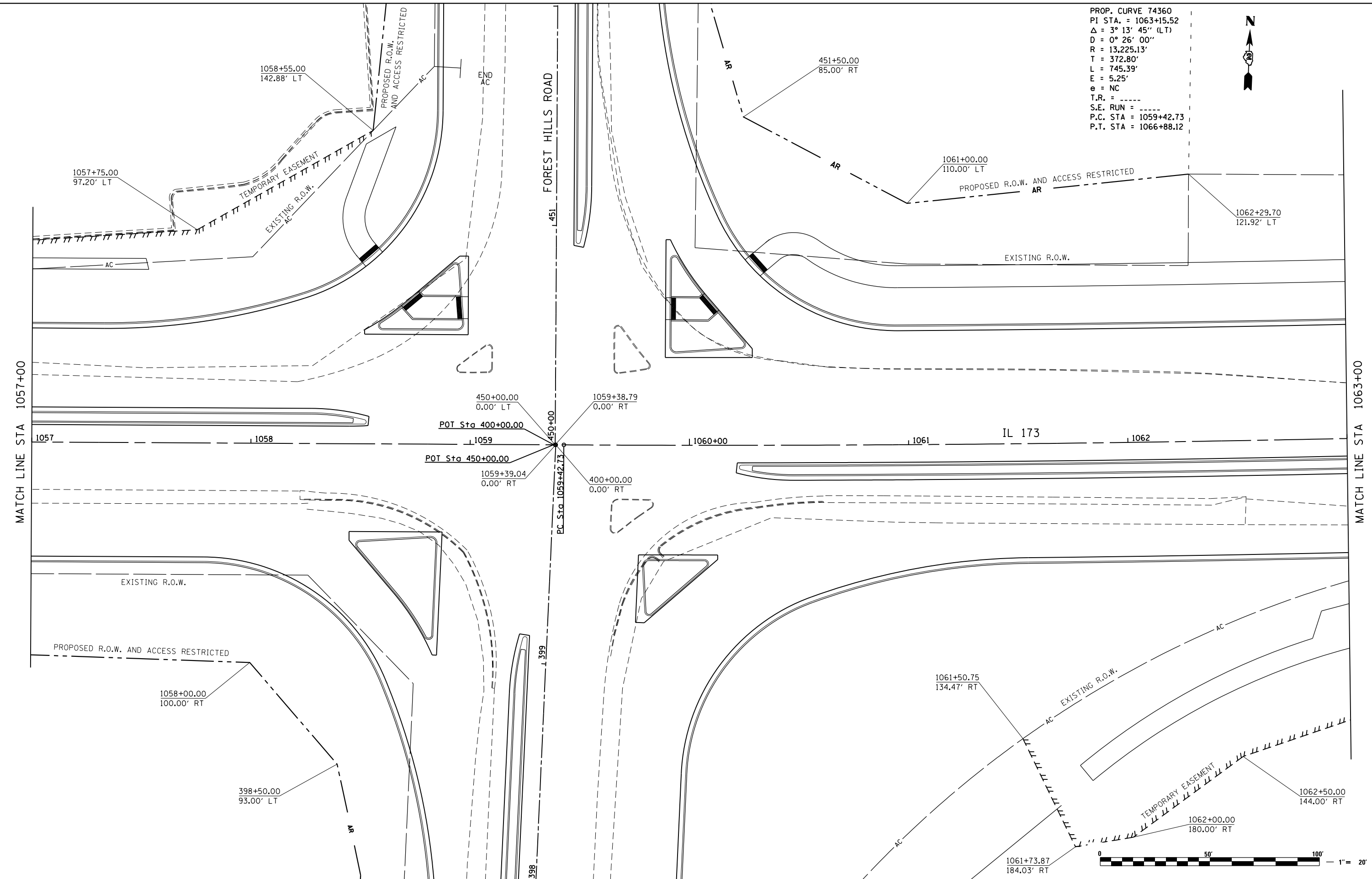
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	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 6 OF 41 SHEETS
STA. 1051+00 TO STA. 1057+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	494
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				

PROP. CURVE 74360  
 PI STA. = 1063+15.52  
 $\Delta = 3^\circ 13' 45''$  (LT)  
 $D = 0^\circ 26' 00''$   
 $R = 13,225.13'$   
 $T = 372.80'$   
 $L = 745.39'$   
 $E = 5.25'$   
 $e = NC$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 1059+42.73  
 P.T. STA = 1066+88.12



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 PLOT DRIVER = Vb...PDF...11x17.pltcf9



USER NAME = rgoertz	DESIGNED - KEC	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - MTM	REVISED -
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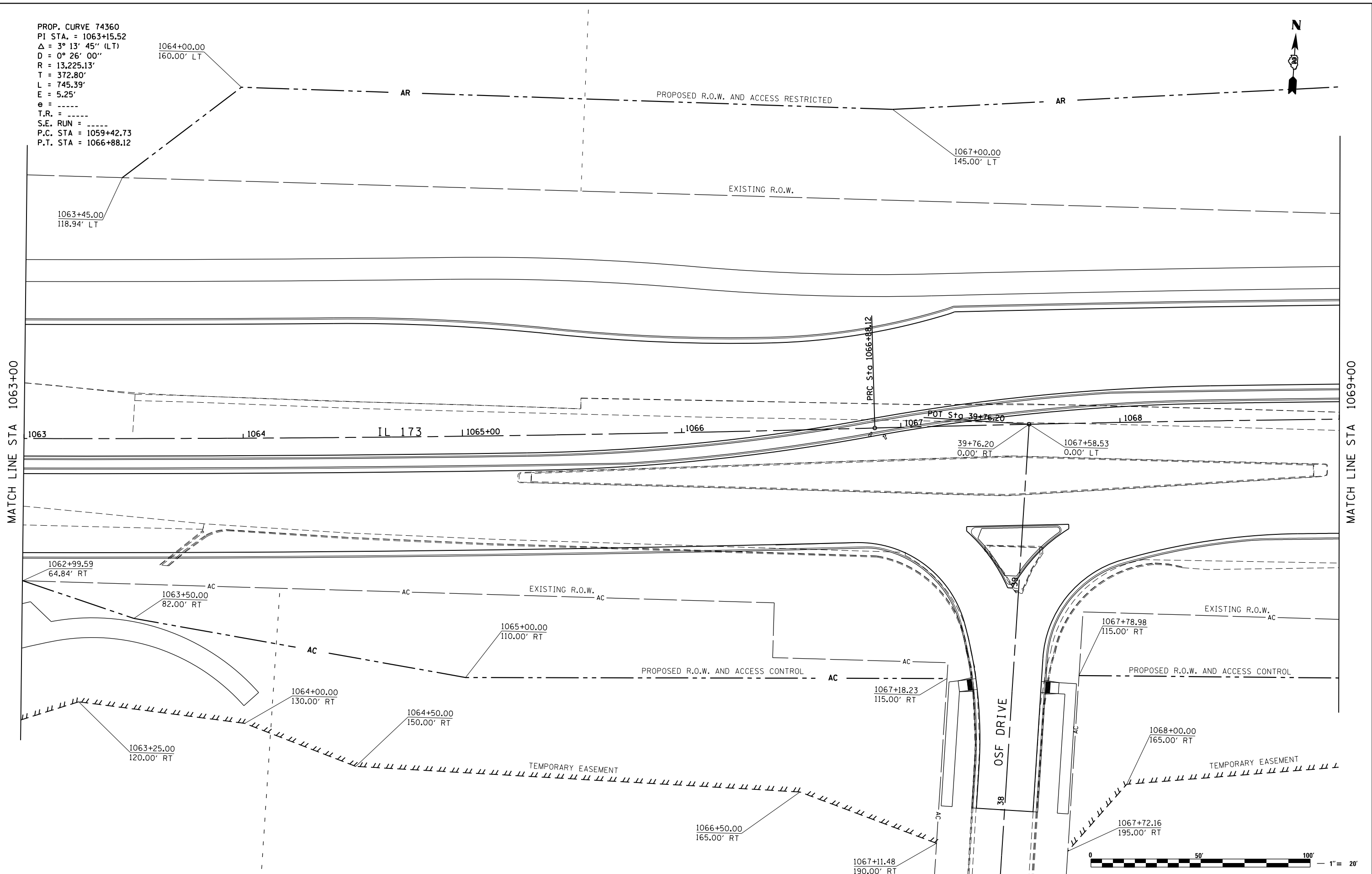
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 7 OF 41 SHEETS
STA. 1057+00 TO STA. 1063+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	495
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



PROP. CURVE 74360  
 PI STA. = 1063+15.52  
 $\Delta = 3^\circ 13' 45''$  (LT)  
 $D = 0^\circ 26' 00''$   
 $R = 13,225.13'$   
 $T = 372.80'$   
 $L = 745.39'$   
 $E = 5.25'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA = 1059+42.73$   
 $P.T. STA = 1066+88.12$



MATCH LINE STA 1063+00

MATCH LINE STA 1069+00



FILE NAME = Z00793RWE510.dgn  
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USER NAME = rgoertz	DESIGNED - KEC	REVISED -
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PLOT DATE = 5/2/2013 11:02:07 AM	CHECKED - MTM	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

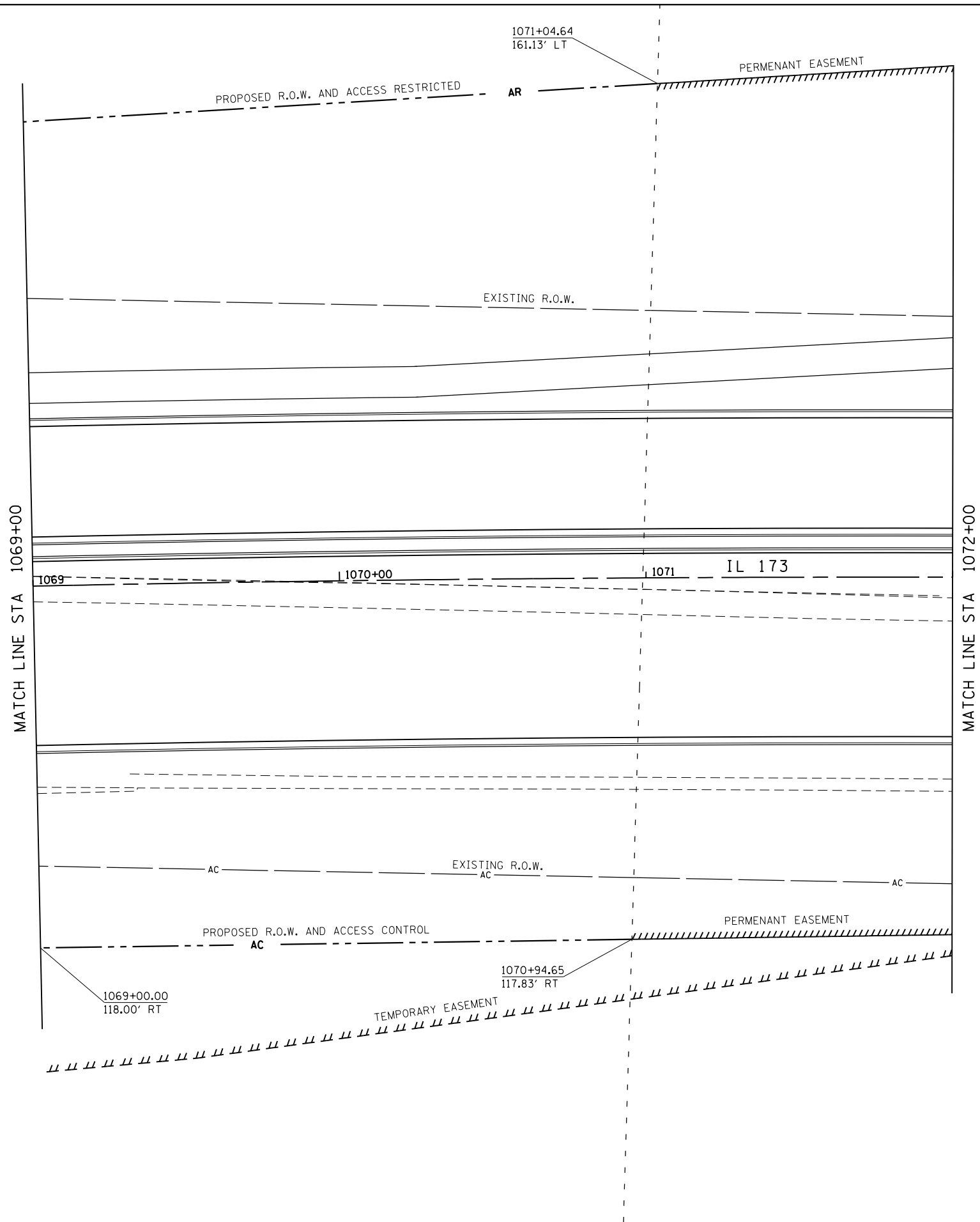
<b>RIGHT OF WAY PLANS</b>	
<b>IL 173 FROM ALPINE ROAD TO I-90</b>	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 8 OF 41 SHEETS
STA. 1063+00 TO STA. 1069+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	496
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				





PROP. CURVE 74330  
 PI STA. = 1070+60.92  
 $\Delta$  = 3° 13' 46" (RT)  
 D = 0° 26' 00"  
 R = 13,225.13'  
 T = 372.80'  
 L = 745.40'  
 E = 5.25'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 1066+88.12  
 P.T. STA = 1074+33.52



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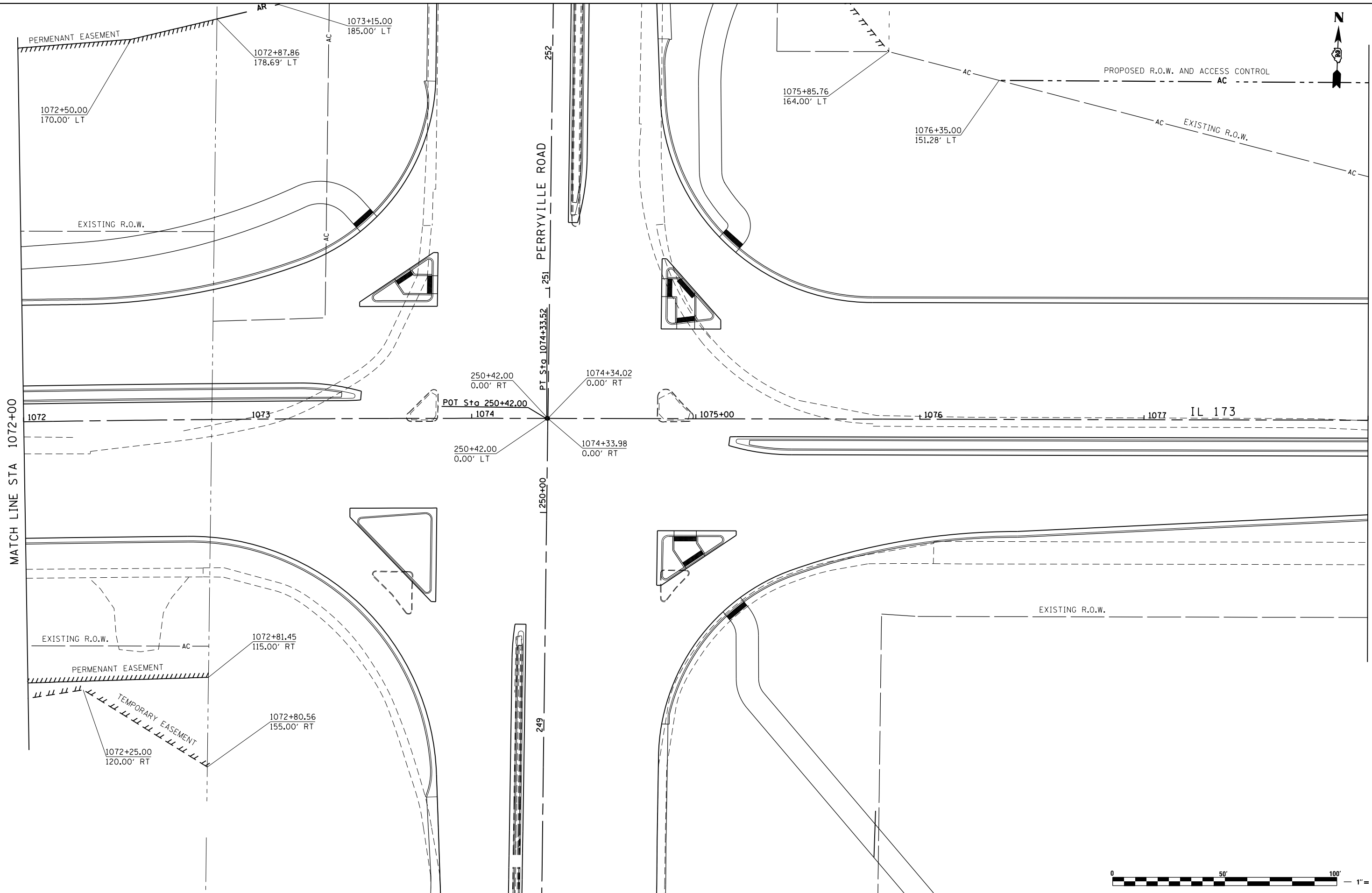


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PLOT DATE = 5/2/2013 11:02:08 AM	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 9 OF 41 SHEETS
STA. 1069+00 TO STA. 1072+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	497
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 1072+00

MATCH LINE STA 1078+00



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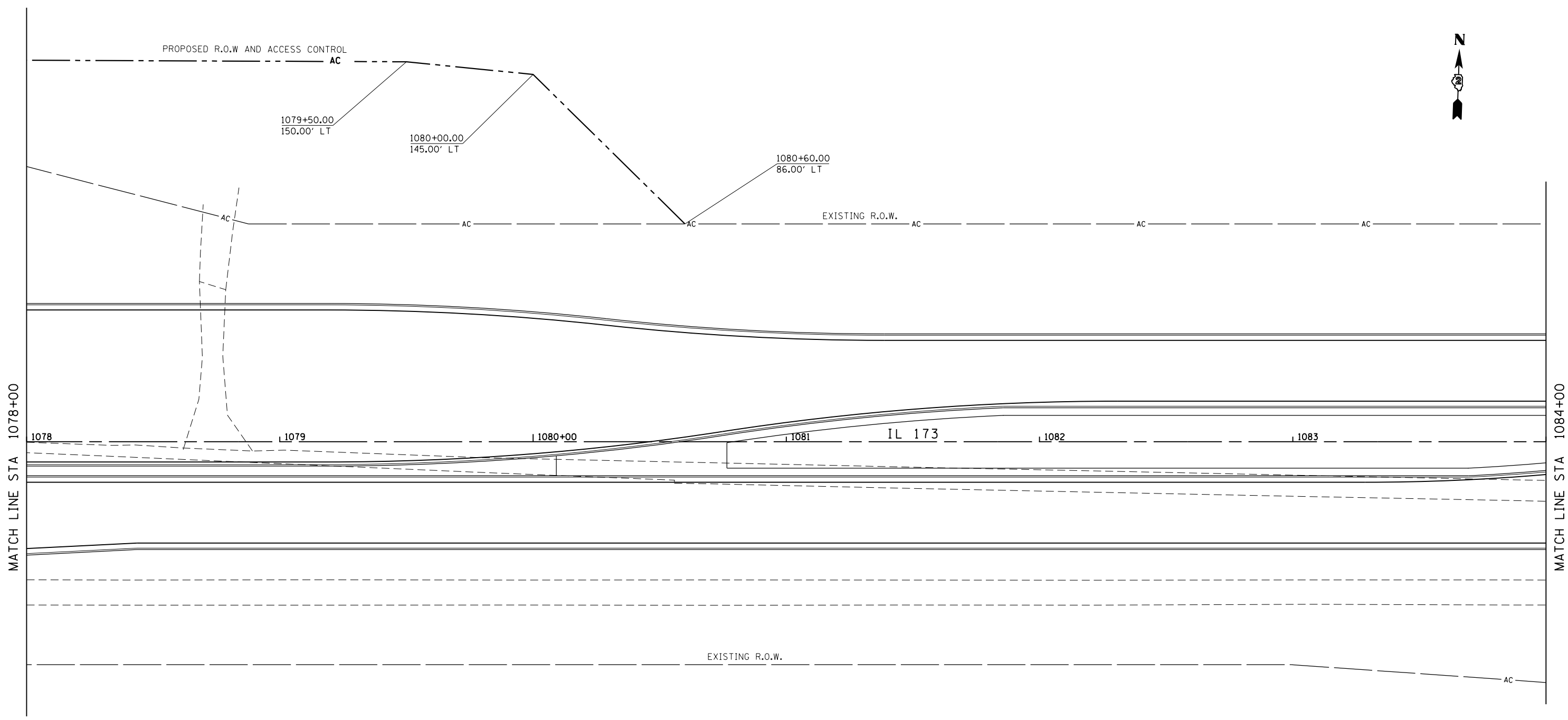


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PLOT DATE = 5/2/2013 11:02:08 AM	CHECKED - MTM	REVISED -
	DATE - APRIL 30, 2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 10 OF 41 SHEETS
STA. 1072+00 TO STA. 1078+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	498
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



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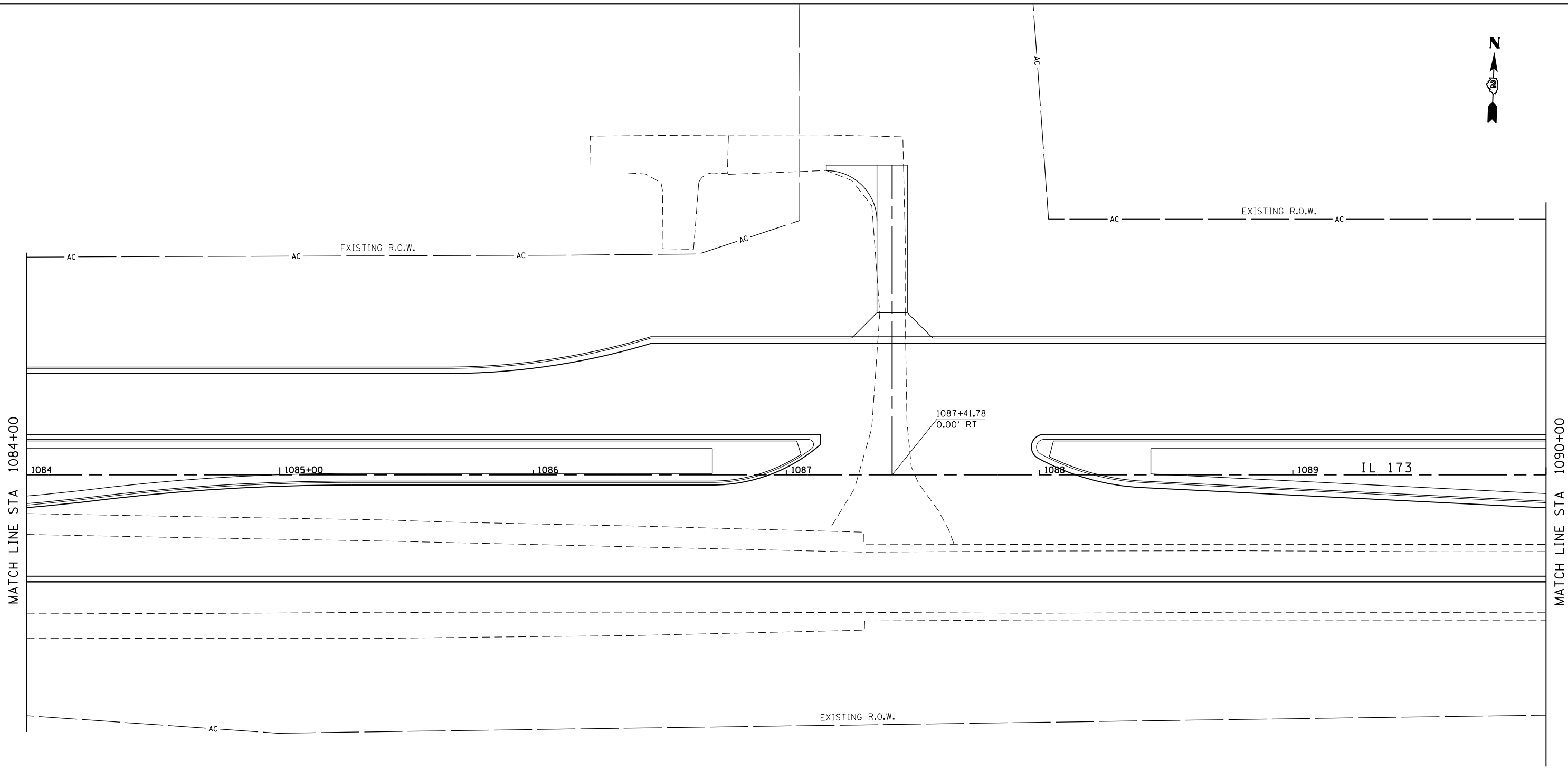


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PLOT DATE = 5/2/2013 11:02:09 AM	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 11 OF 41 SHEETS
STA. 1078+00 TO STA. 1084+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	499
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				



FILE NAME = Z00793RWES14.dgn  
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USER NAME = rgoertz	DESIGNED - KEC	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - MTM	REVISED -
PLOT DATE = 5/2/2013 11:02:09 AM	DATE - APRIL 30, 2013	REVISED -

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

RIGHT OF WAY PLANS	
IL 173 FROM ALPINE ROAD TO I-90	
PROJECT	JOB NO.
SCALE: 1"=20'	SHEET NO. 12 OF 41 SHEETS
STA. 1084+00 TO STA. 1090+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129R	WINNEBAGO	968	500
CONTRACT NO. 64988				
ILLINOIS FED. AID PROJECT				