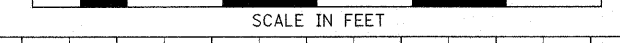
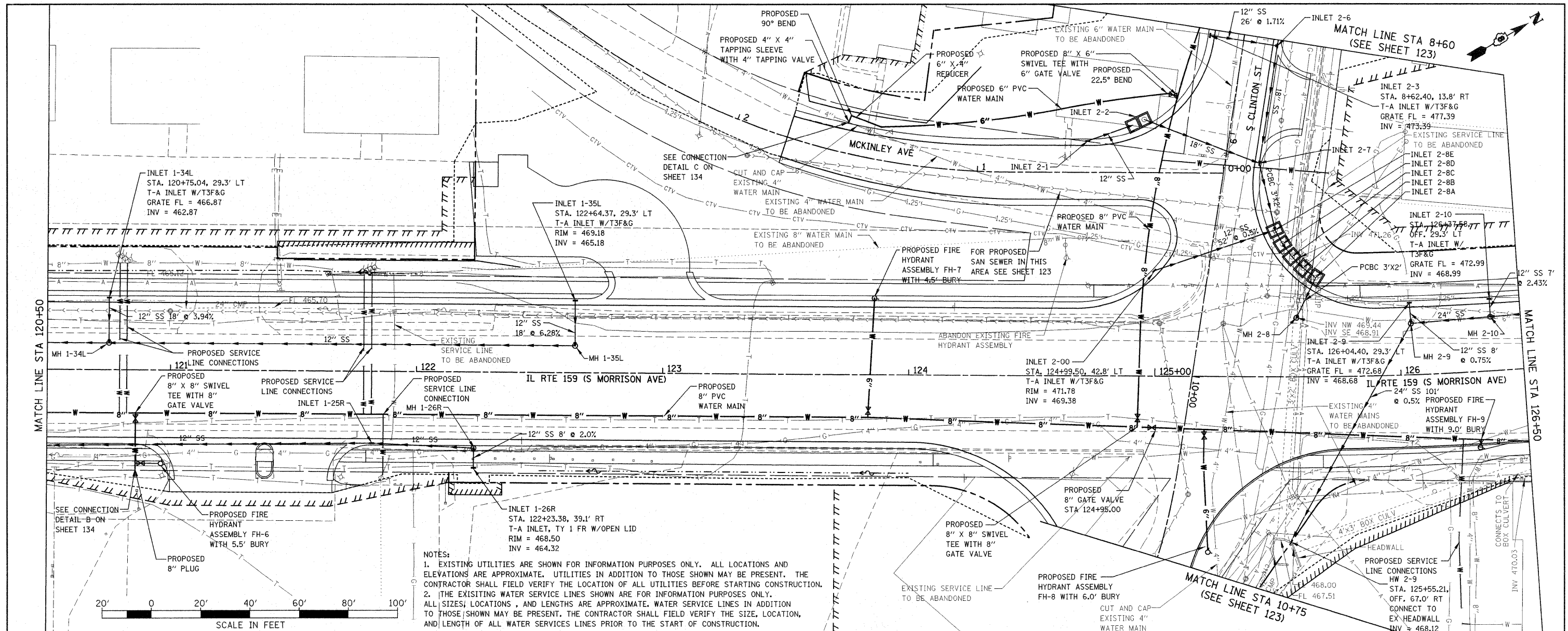
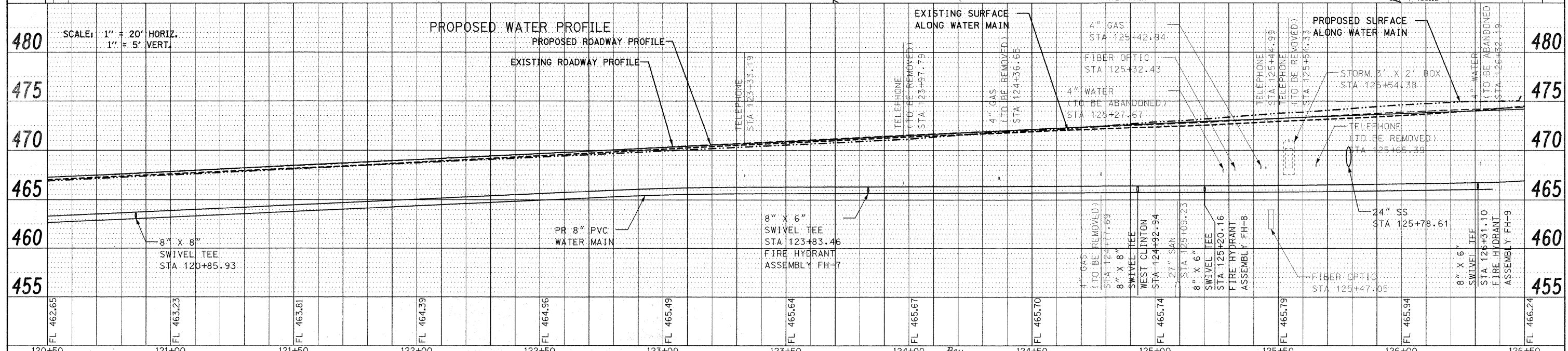


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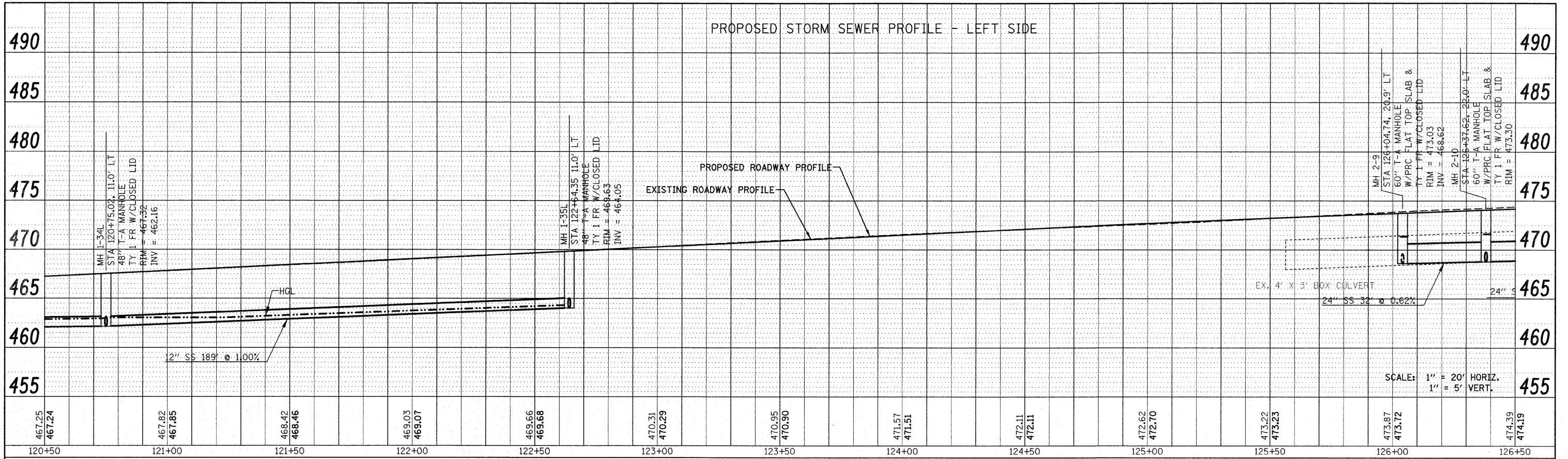
NOTES:  
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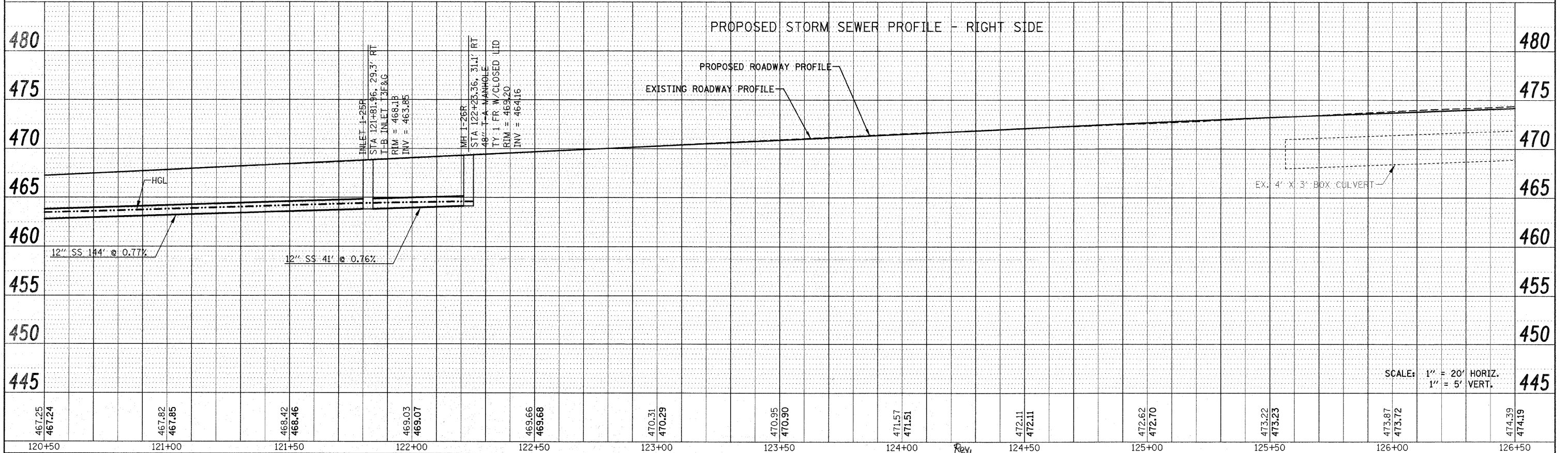
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PROJECT NO. =	DATE =	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	101	
PLOT SCALE = 20.0000' / IN.	DATE = 12/17/2009	CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009	DATE =	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



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	RT. OF WAY CHECKED		
	CADD FILE NAME		
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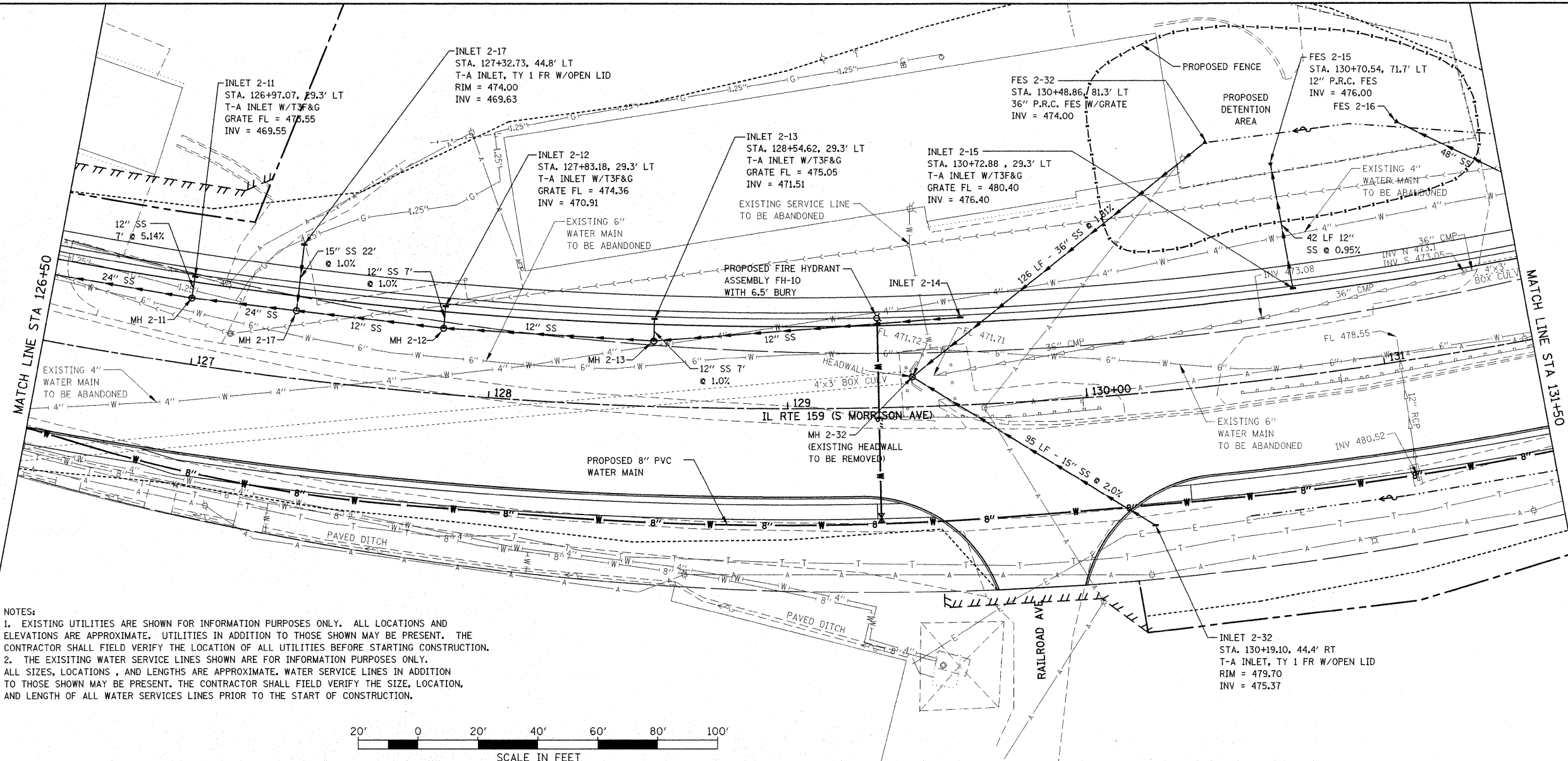
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	PLOTTED		
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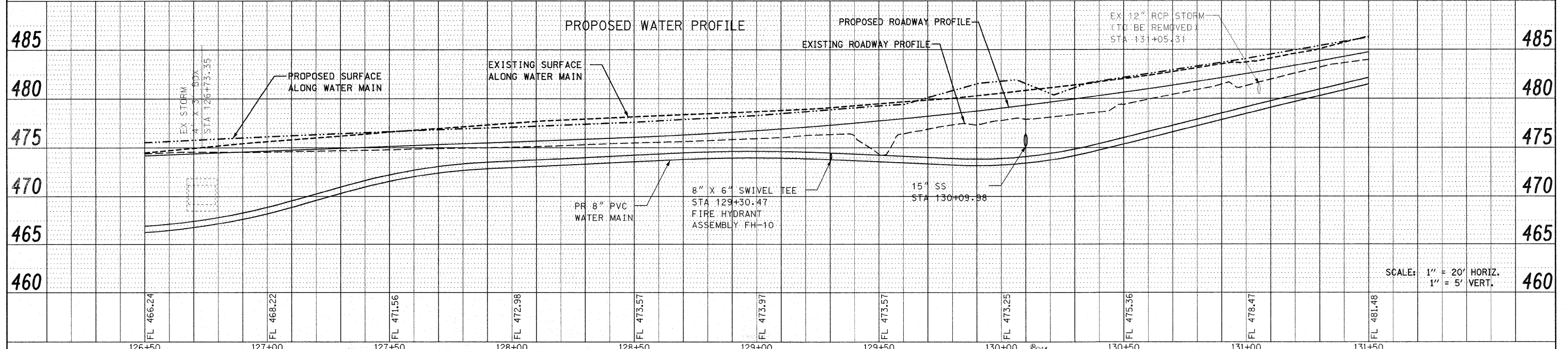
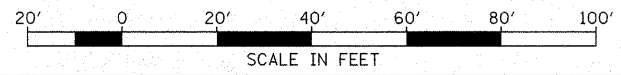
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F:\Projects\513501\CADD\DGND\076830-shr-d	dm.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADESON/ST. CLAIR	399	103
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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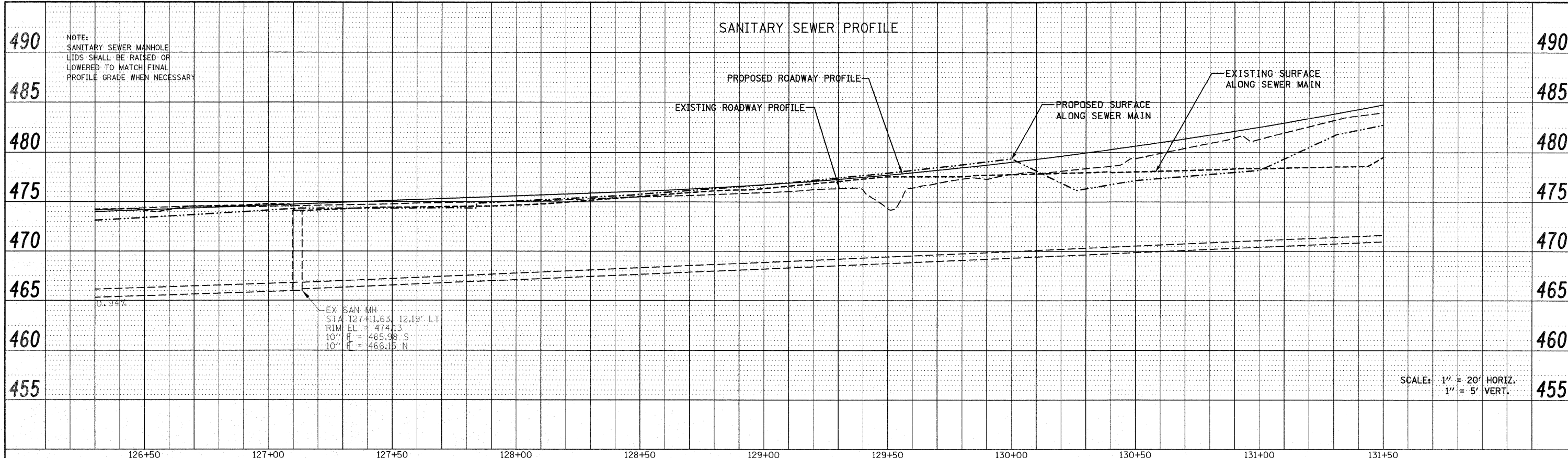


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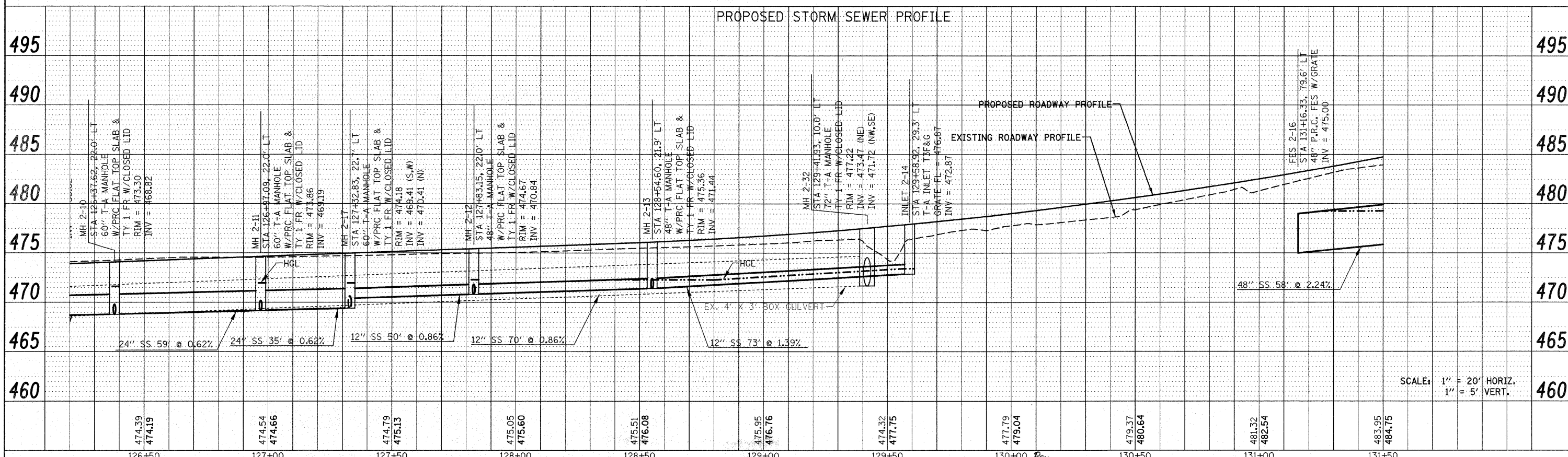


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P:\Projects\513501\CADD\DWG\0876830-shd-d	am.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	104
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

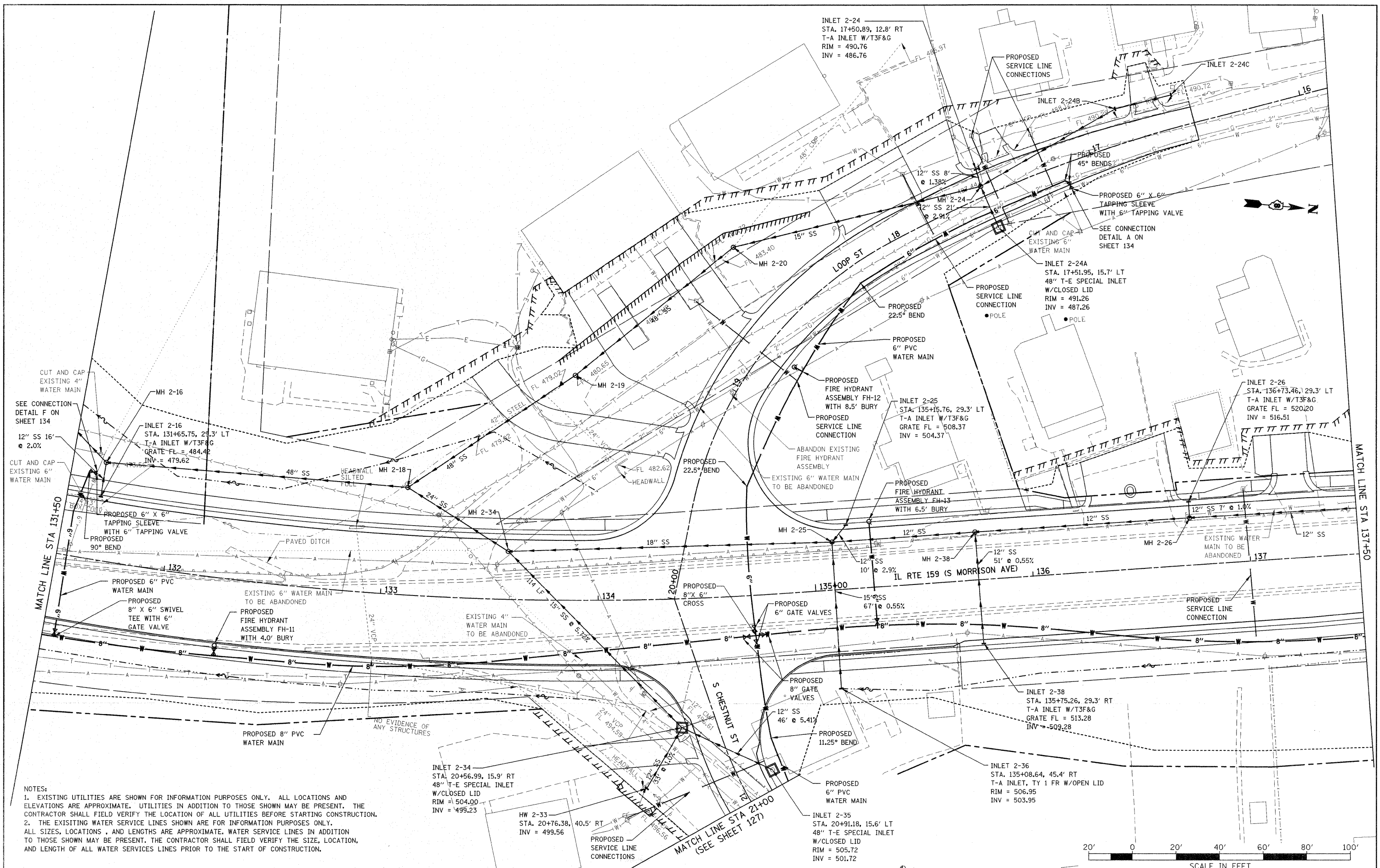
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	CADD FILE NAME		
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PLOT SCALE = 20,0000' / IN.	PLOT DATE = 12/17/2009	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 17 OF 33 SHEETS	STA 126+50.00 TO STA 131+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76830		
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		DATE -	REVISED -									

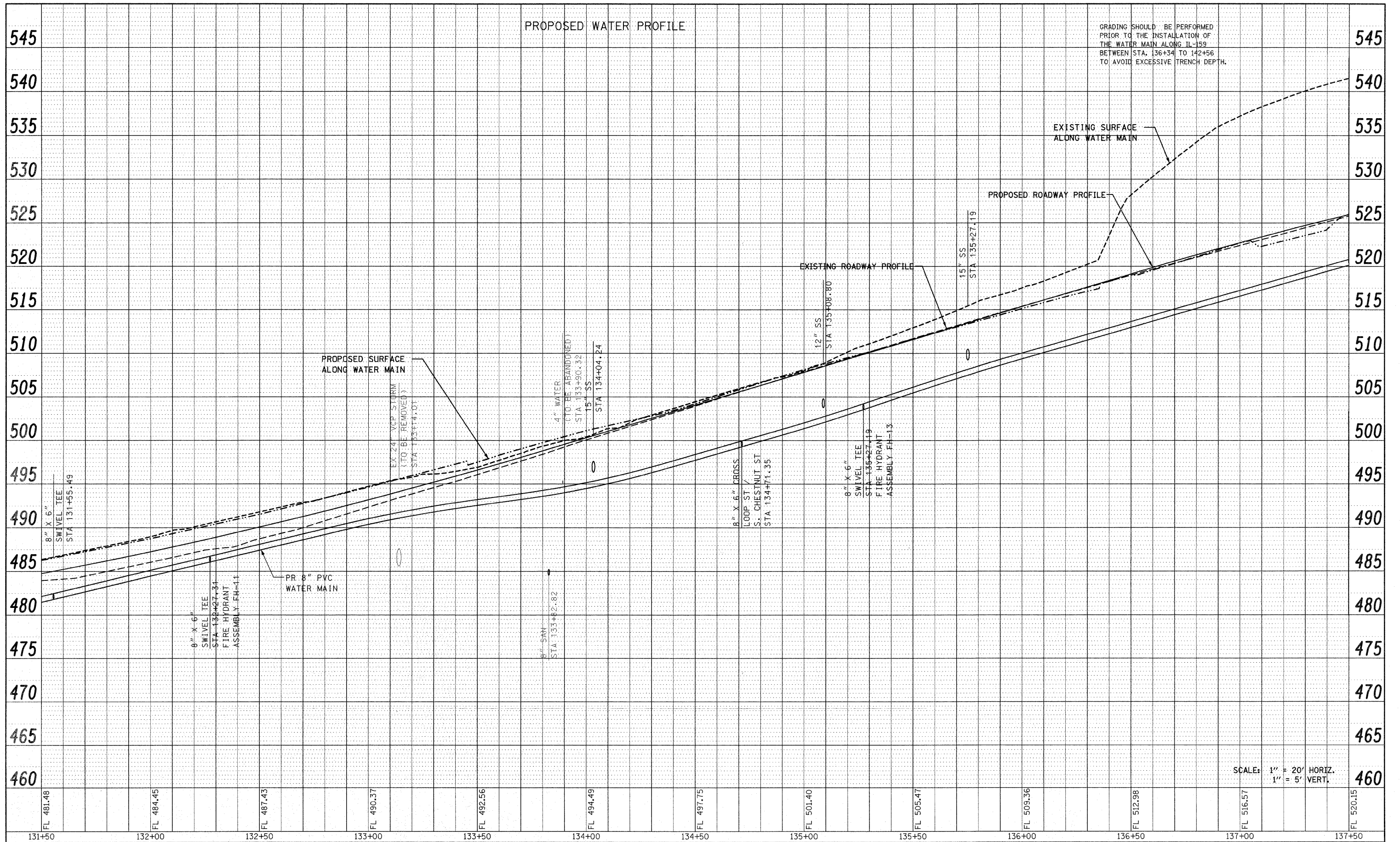


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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN IL ROUTE 159</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\51350\1\CADD\GN\0876830-sh1.dwg	draim.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	106	
PLOT SCALE = 20,0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

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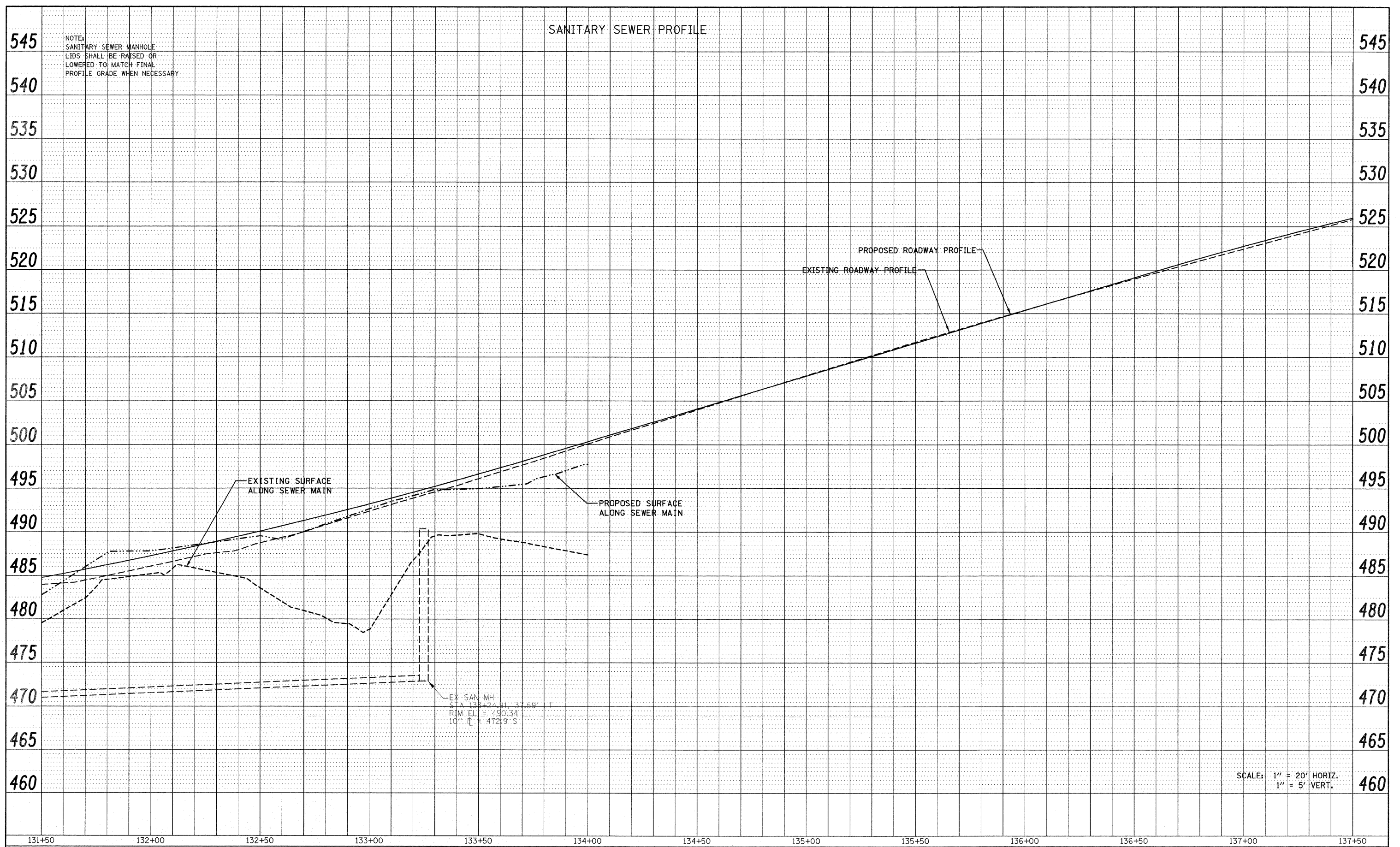
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P:\Projects\513501\CADD\DCN\0876830-shd-d	andgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	107	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SANITARY SEWER PROFILE

NOTE:  
SANITARY SEWER MANHOLE  
LIDS SHALL BE RAISED OR  
LOWERED TO MATCH FINAL  
PROFILE GRADE WHEN NECESSARY

PLAN	SUBMITTED	DATE
	PLOTTED	
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	CADD FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	CHECKED	
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	NO.	
	STRUCTURE NOTATION CHRD	



EX SAN MH  
STA 133+24.91 37.58' T  
R.M. EL = 490.34  
10" R = 472.9' S

SCALE: 1" = 20' HORIZ.  
1" = 5' VERT.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
F:\Projects\513501\CADD\DCN\0876830-sh1-d	ain.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/17/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Rev.

DRAINAGE AND UTILITY PROFILE  
IL ROUTE 159

SCALE: 1" = 20' SHEET NO. 20 OF 33 SHEETS STA 131+50.00 TO STA 137+50.00

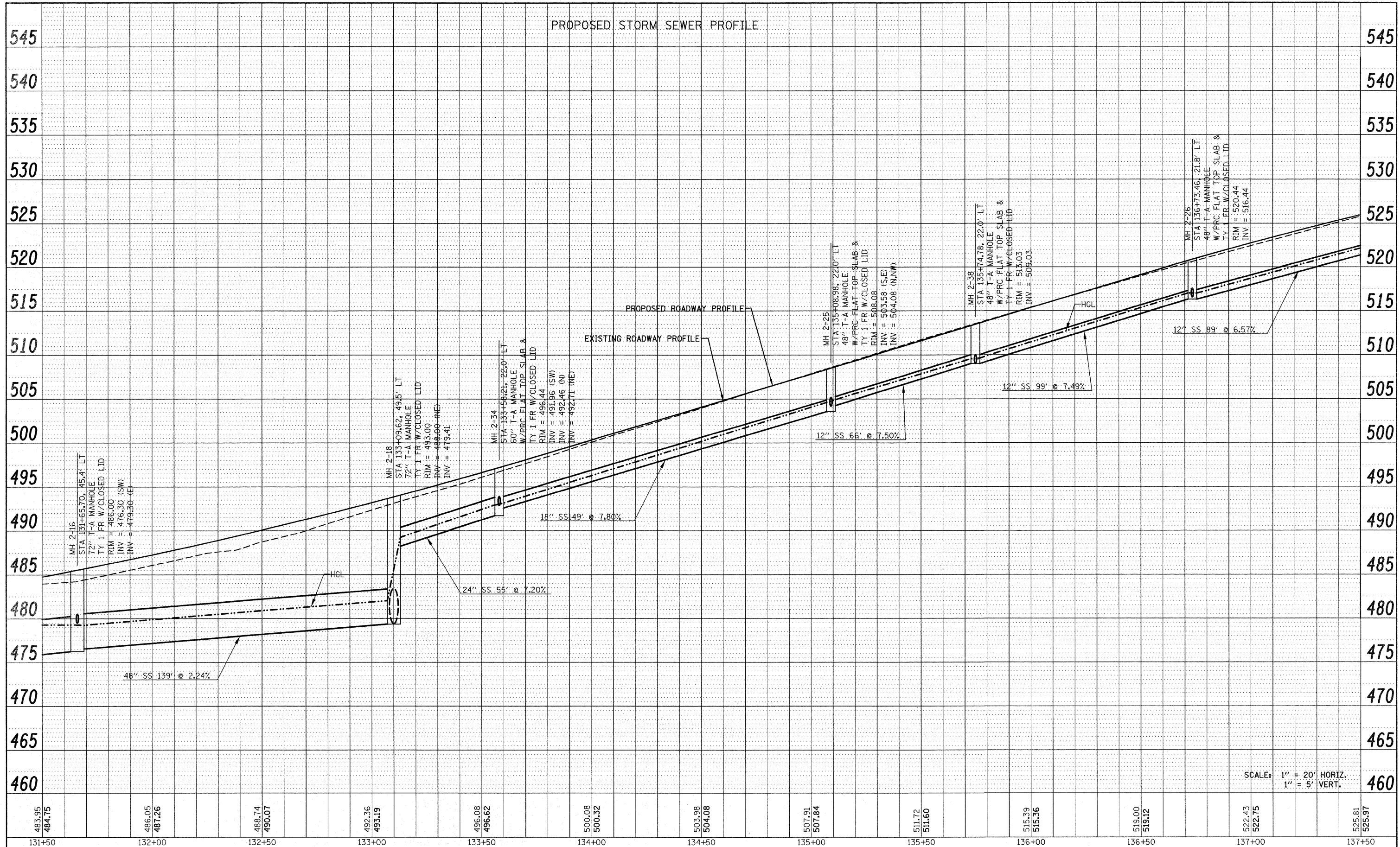
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600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	108
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76830				



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	RT. OF WAY CHECKED		
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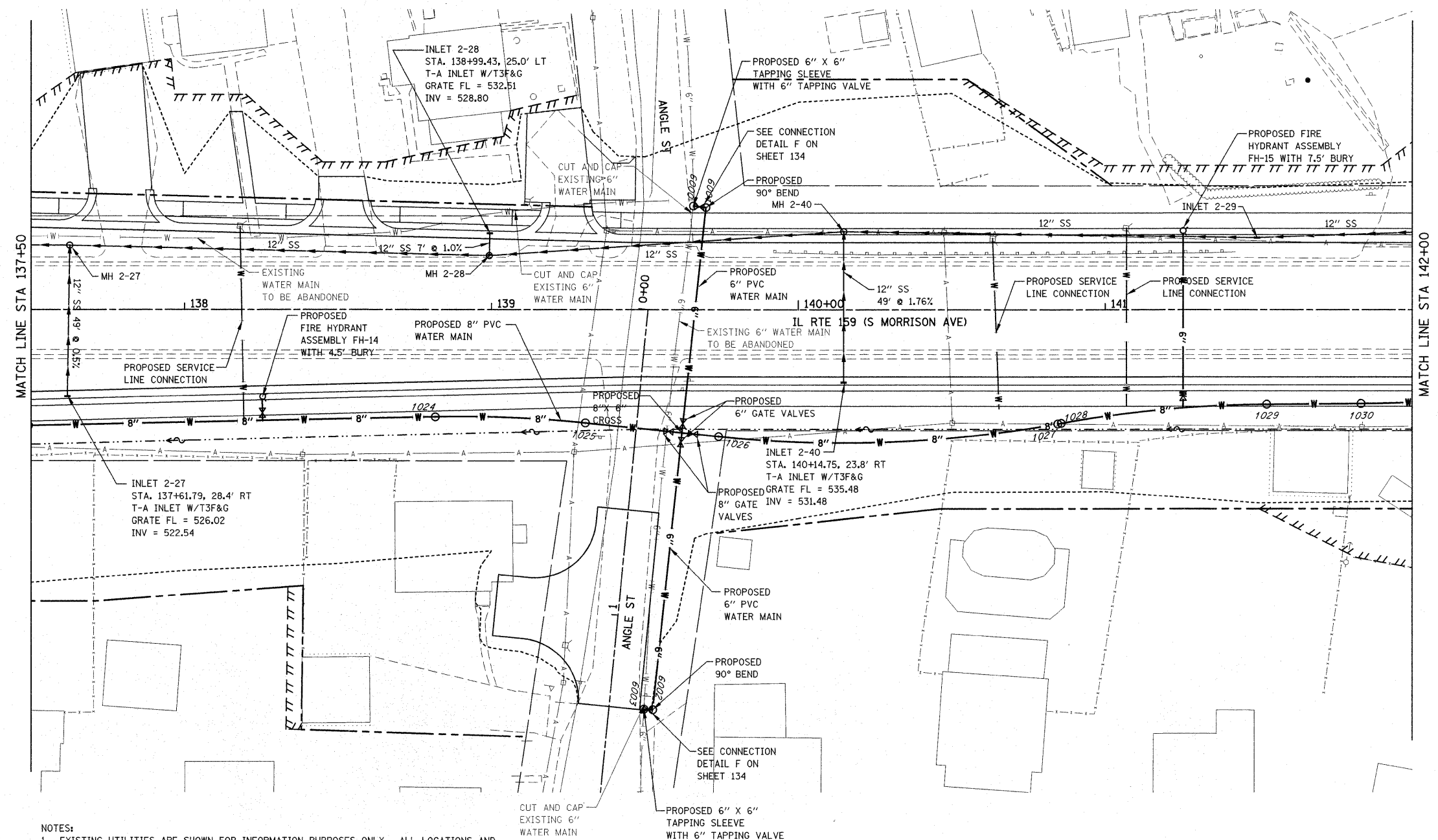
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PROPOSED STORM SEWER PROFILE

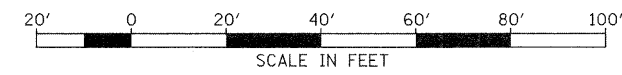


SCALE: 1" = 20' HORIZ.  
1" = 5' VERT.

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PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 20'			SHEET NO. 21 OF 33 SHEETS	STA 131+50.00 TO STA 137+50.00	CONTRACT NO. 76830				
PLOT DATE = 12/17/2009	DATE -	REVISED -										
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT												



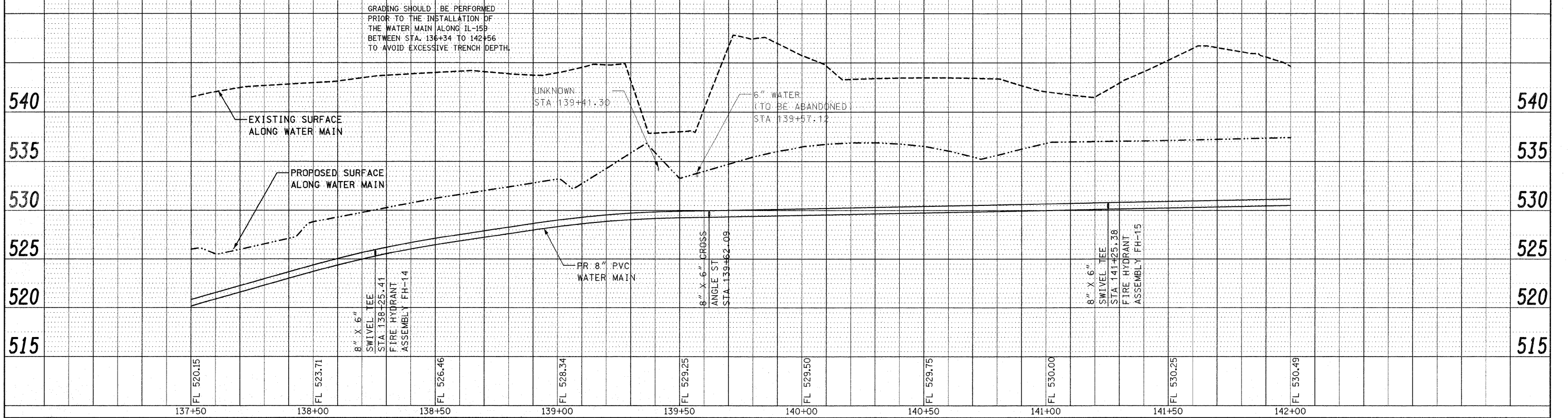
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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN IL ROUTE 159</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PA\Projects\513501\CAD\DC\N\0876838-sh1	dra.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	110
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
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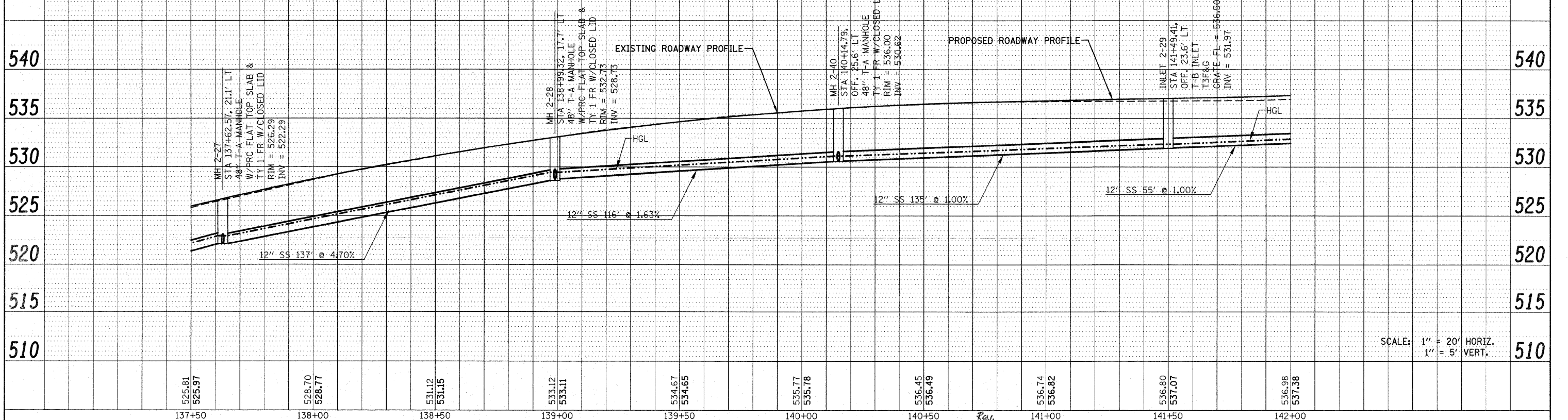
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PROPOSED WATER PROFILE - IL 159

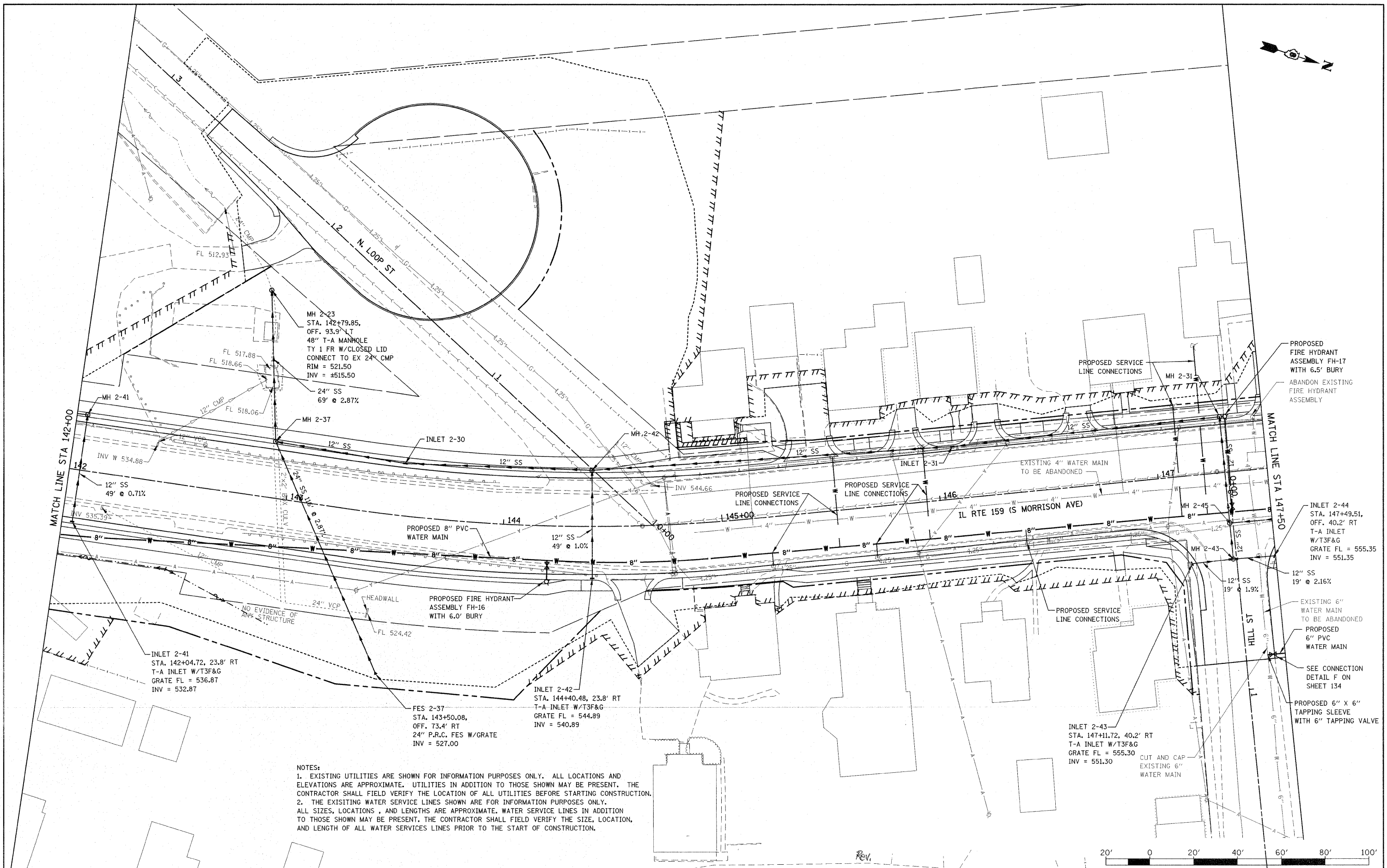


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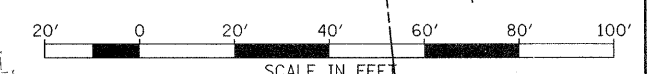
PROPOSED STORM SEWER PROFILE



SCALE: 1" = 20' HORIZ.  
 1" = 5' VERT.

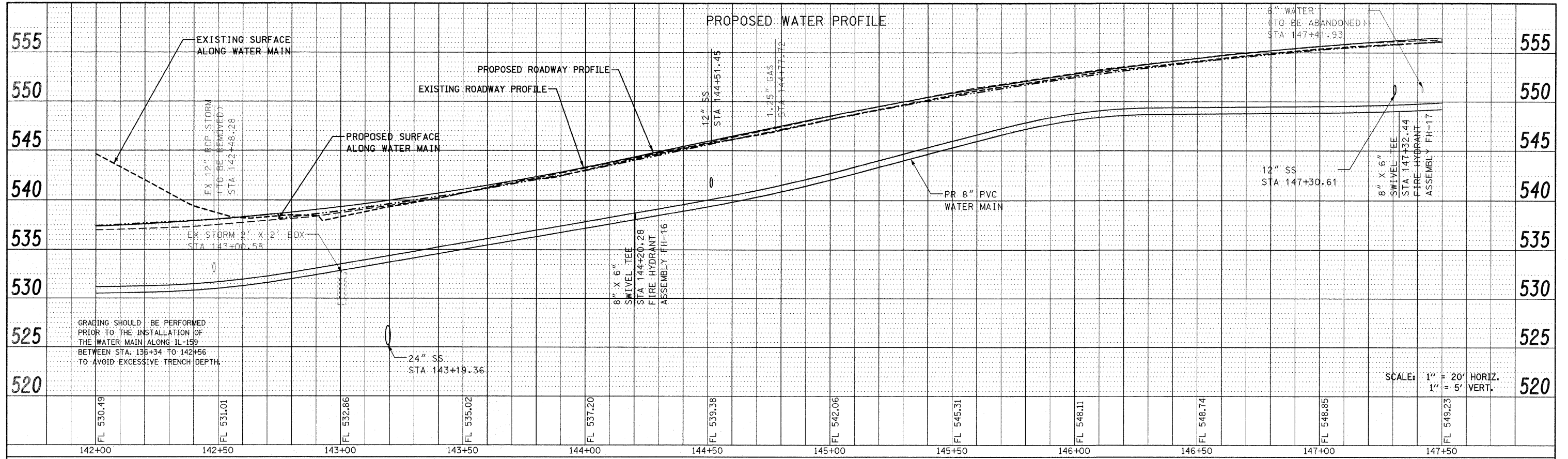


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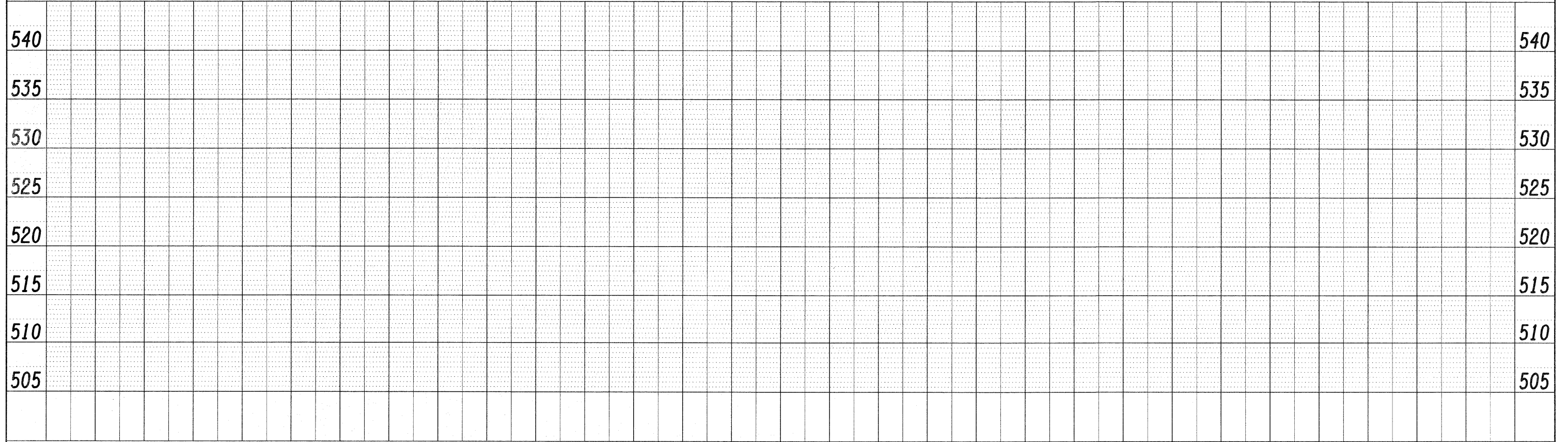


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P:\Projects\51350\1\CADD\DN\0876830-shd	draindgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	112	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

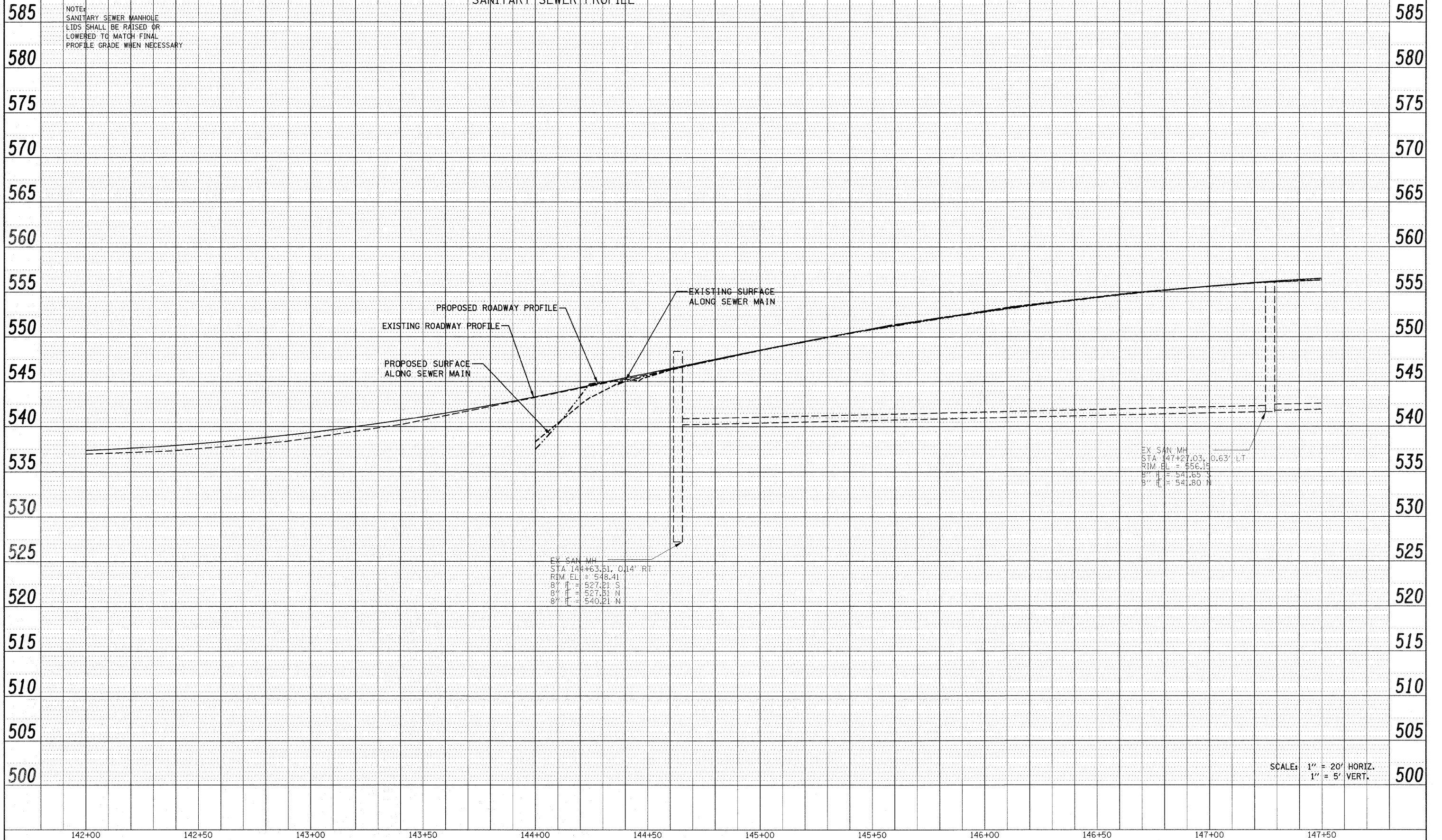
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PROFILE  
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SANITARY SEWER PROFILE

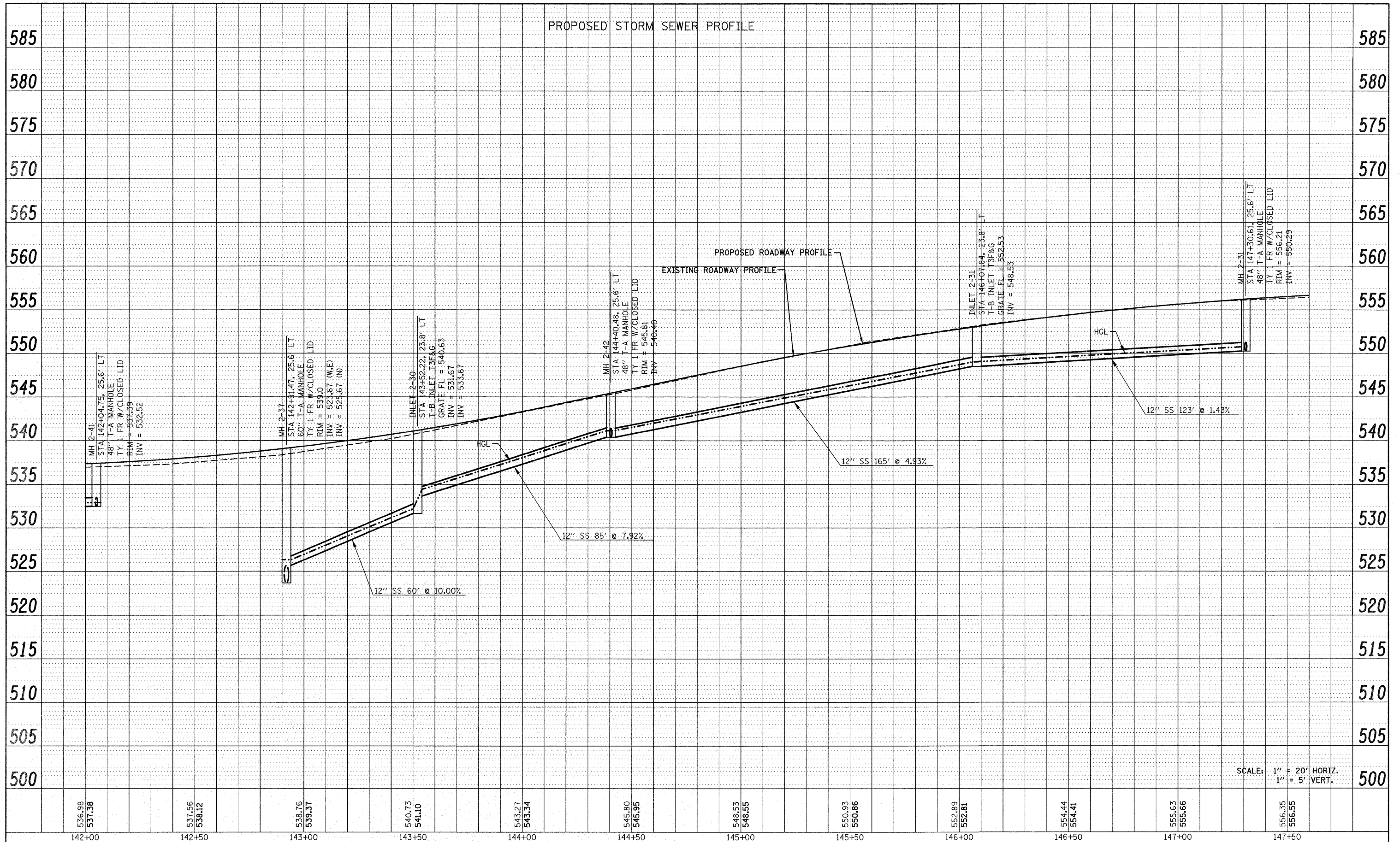


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PLOT SCALE = 20.0000' / IN.	DATE -	DRAWN -	REVISOR -			SCALE: 1" = 20'	SHEET NO. 26 OF 33 SHEETS	STA 142+00.00 TO STA 147+50.00	CONTRACT NO. 76830			
PLOT DATE = 12/17/2009	DATE -	CHECKED -	REVISOR -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

PROPOSED STORM SEWER PROFILE



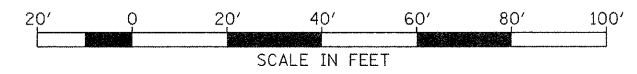
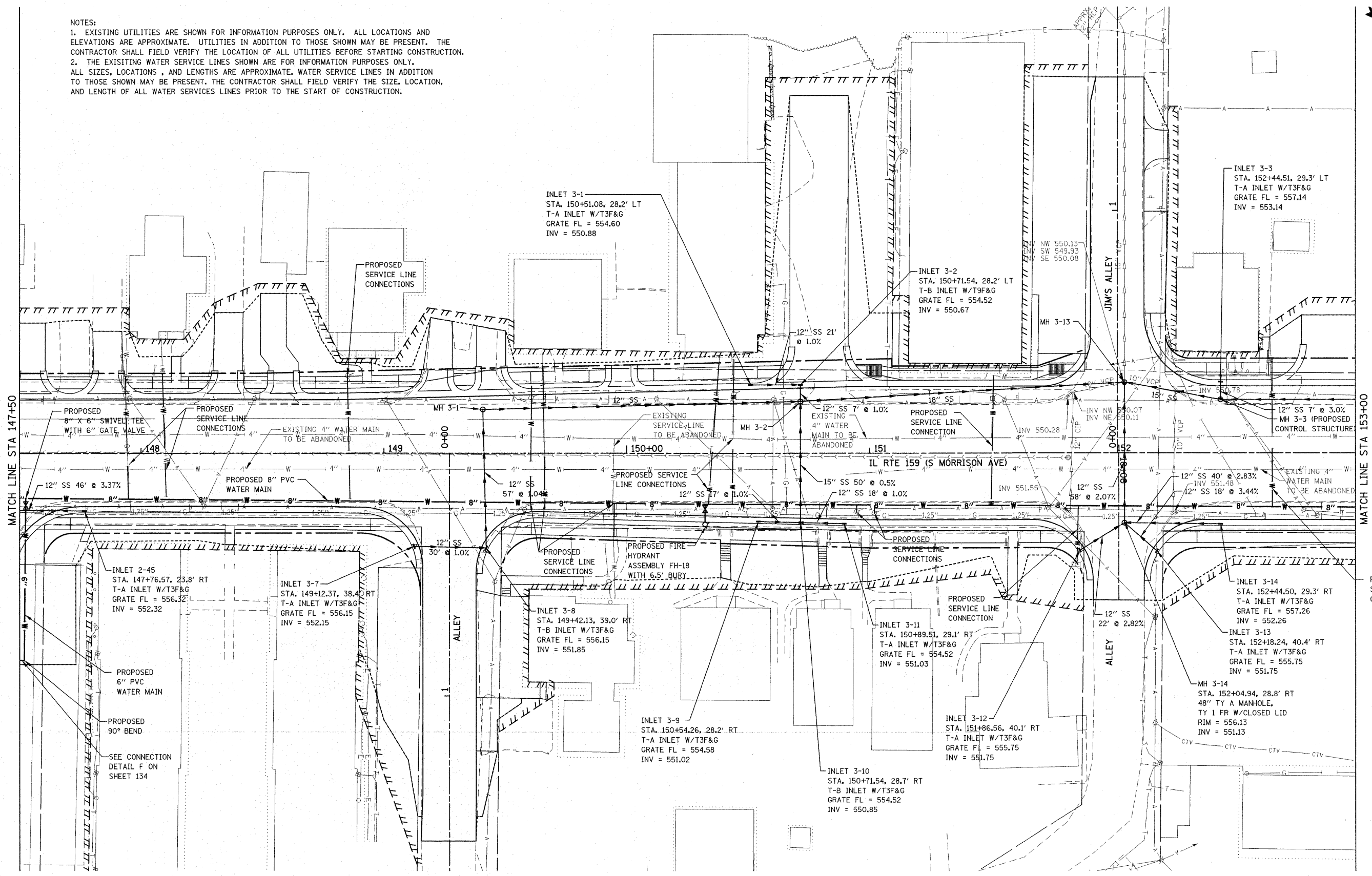
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SCALE: 1" = 20' HORIZ.  
1" = 5' VERT.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>DRAINAGE AND UTILITY PROFILE</b> <b>IL ROUTE 159</b></p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

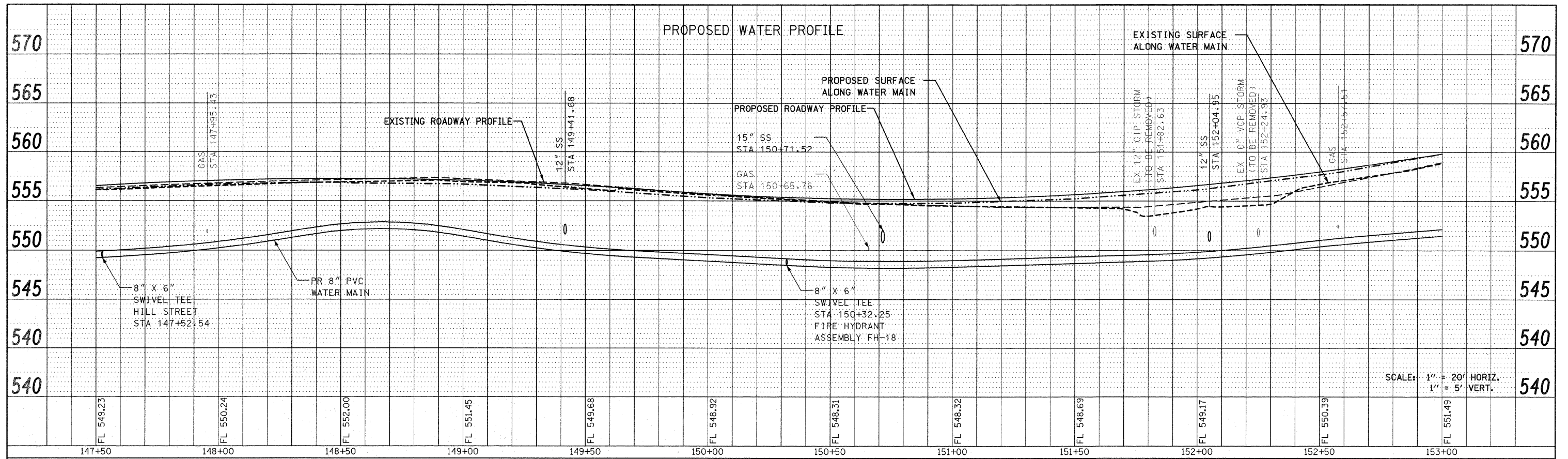
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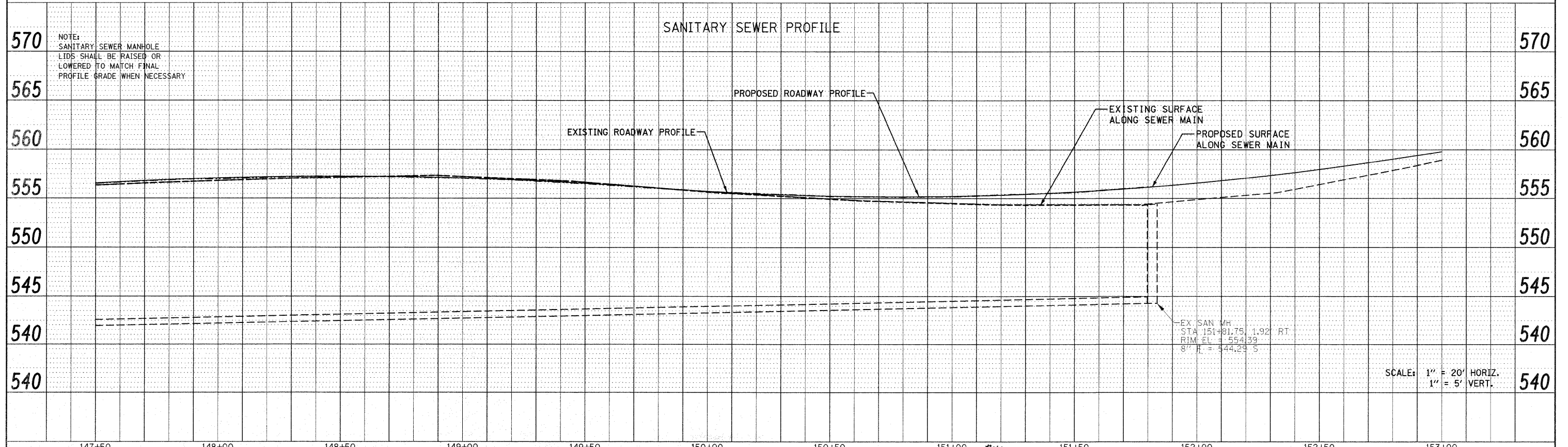
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PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



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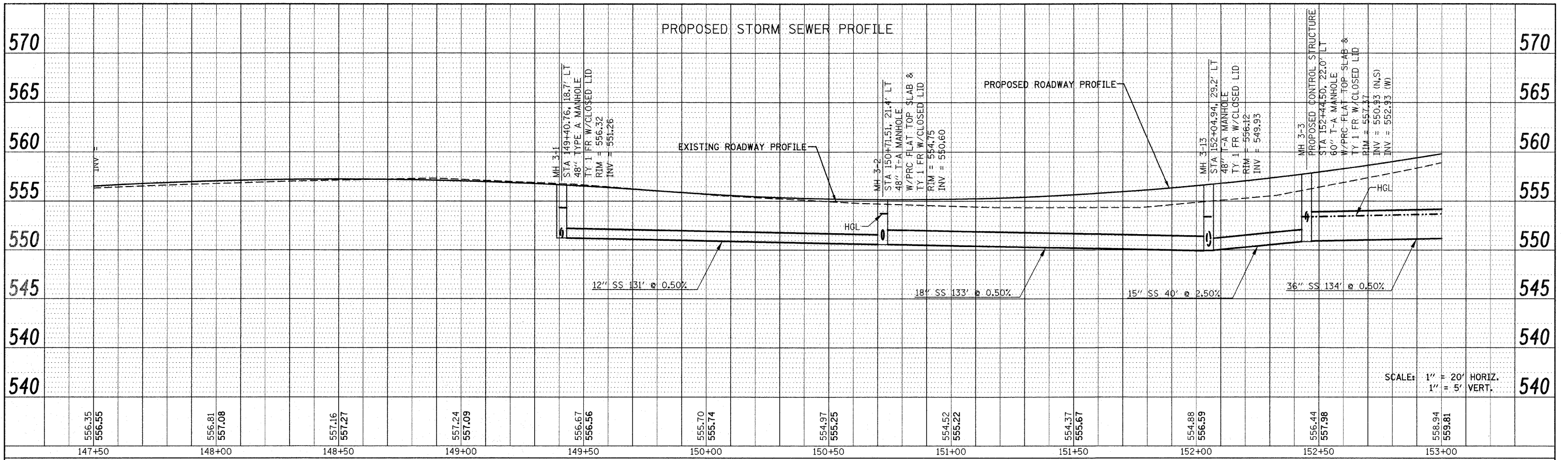
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	BY	
	NO.	
	STRUCTURE NOTATION CHNG	



FILE NAME = F:\Projects\513501\CADD\DWG\0876830-shd-d	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PROFILES IL ROUTE 159</b>			F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON/ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 117
	PLLOT SCALE = 20,0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 29 OF 33 SHEETS	STA 147+50.00 TO STA 153+00.00	CONTRACT NO. 76830				
	PLLOT DATE = 12/17/2009	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
NOTE BOOK	REV. OF	FILE NAME
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
NOTE BOOK	REV. OF	FILE NAME
NO.		



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USER NAME = default  
 PLOT SCALE = 20.0000' / IN.  
 PLOT DATE = 12/17/2009

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

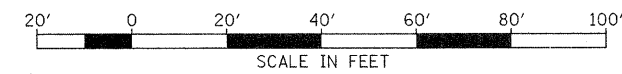
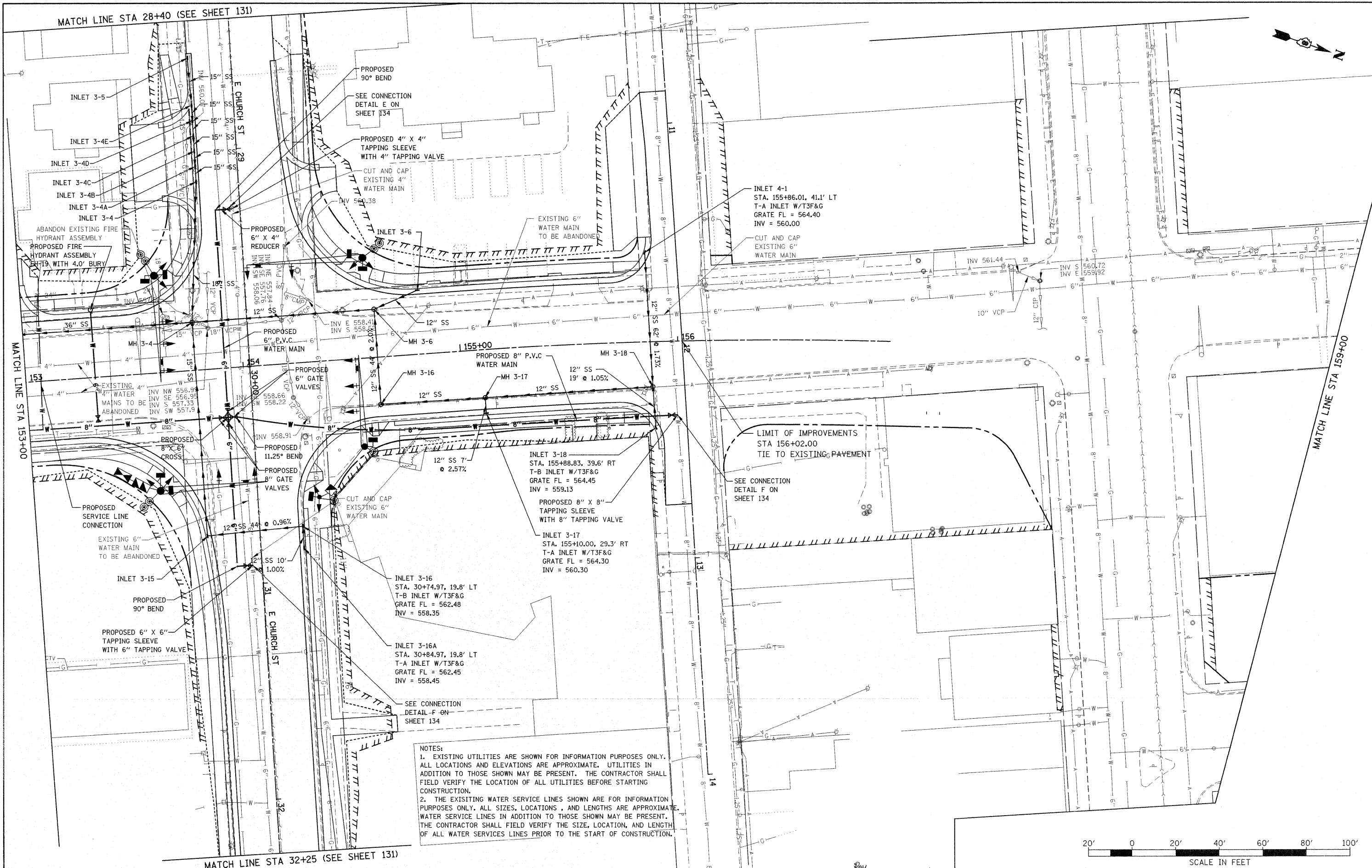
**DRAINAGE AND UTILITY PROFILE  
IL ROUTE 159**

*Rev.*

SCALE: 1" = 20' SHEET NO. 30 OF 33 SHEETS STA 147+50.00 TO STA 153+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	118
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830	

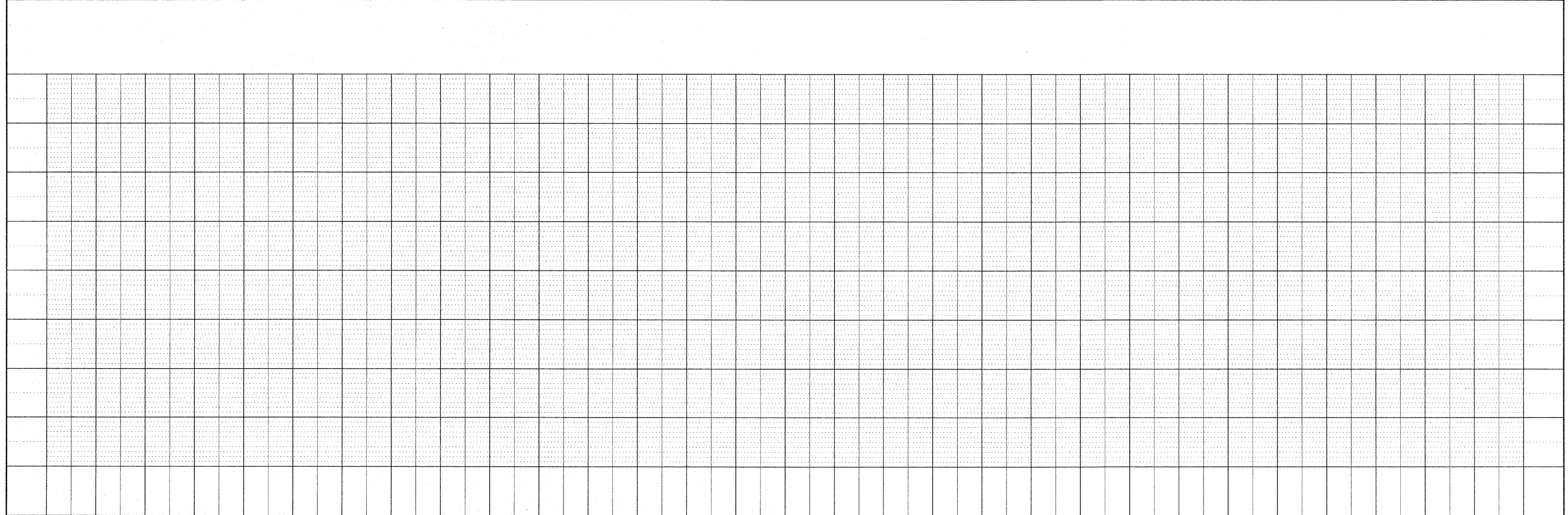
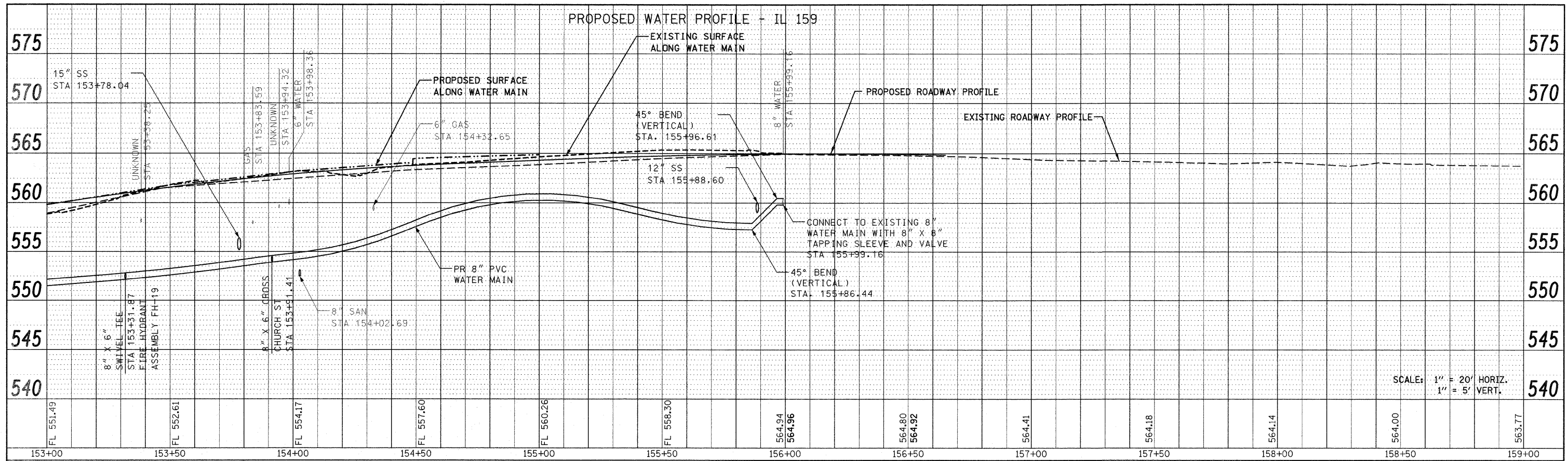
MATCH LINE STA 28+40 (SEE SHEET 131)



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN IL ROUTE 159</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
P:\Projects\131501\CADD\DWG\0876830-sh-drain.dgn		DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	119	
PLOT SCALE = 20.0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

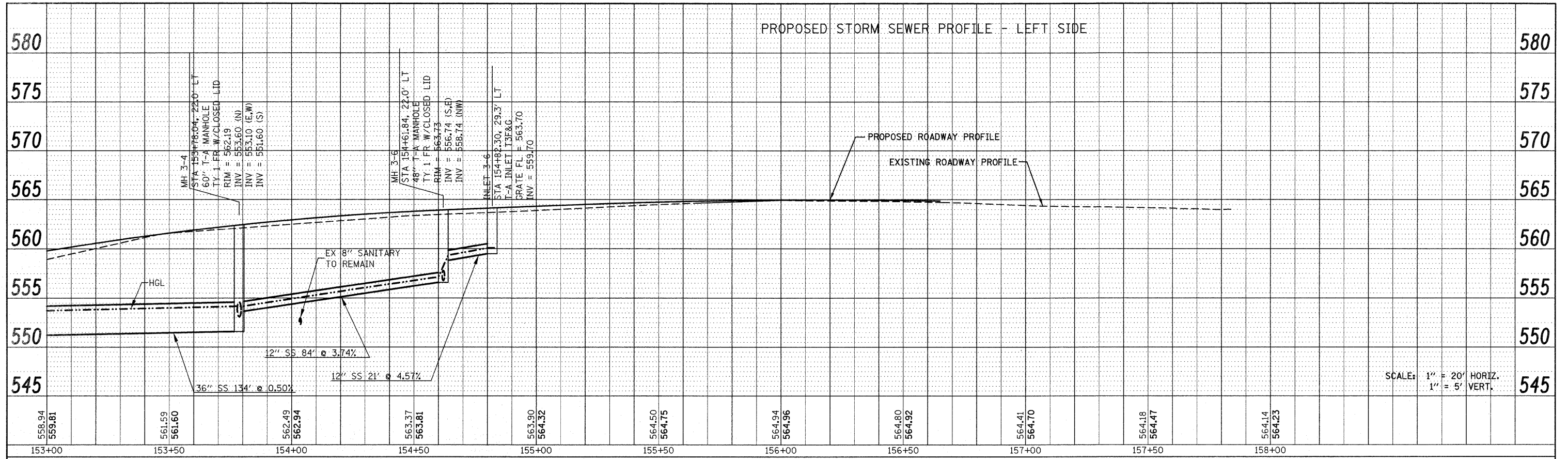
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 CHECKED BY DATE  
 RT. OF WAY CHECKED BY DATE  
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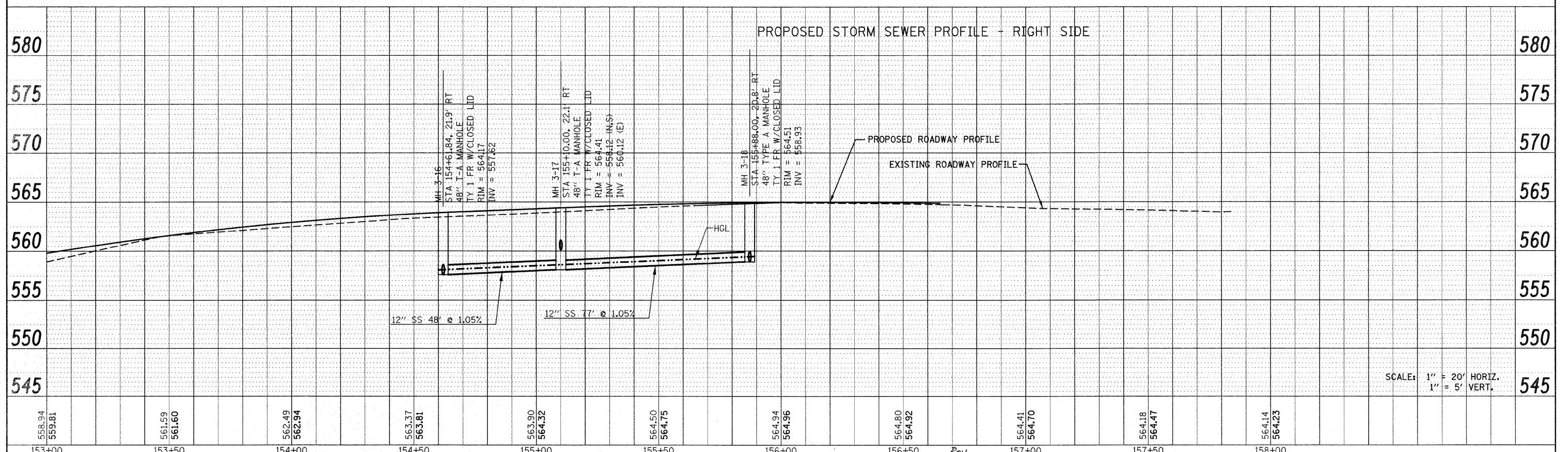


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	andgn	DRAWN -	REVISD -		SCALE: 1" = 20'	SHEET NO. 32 OF 33 SHEETS	STA 153+00.00 TO STA 156+02.00	CONTRACT NO. 76830				
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISD -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 12/17/2009	DATE -	REVISD -									

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	PLOTTED	BY
	CHECKED	
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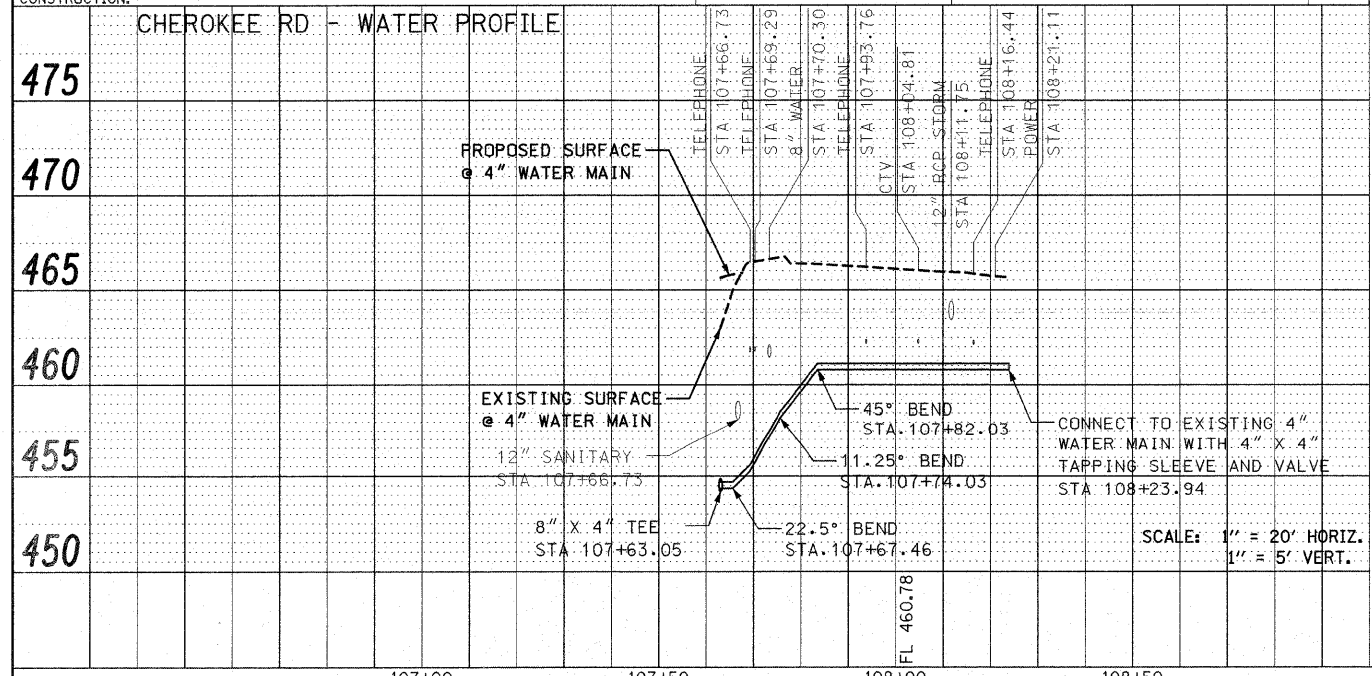
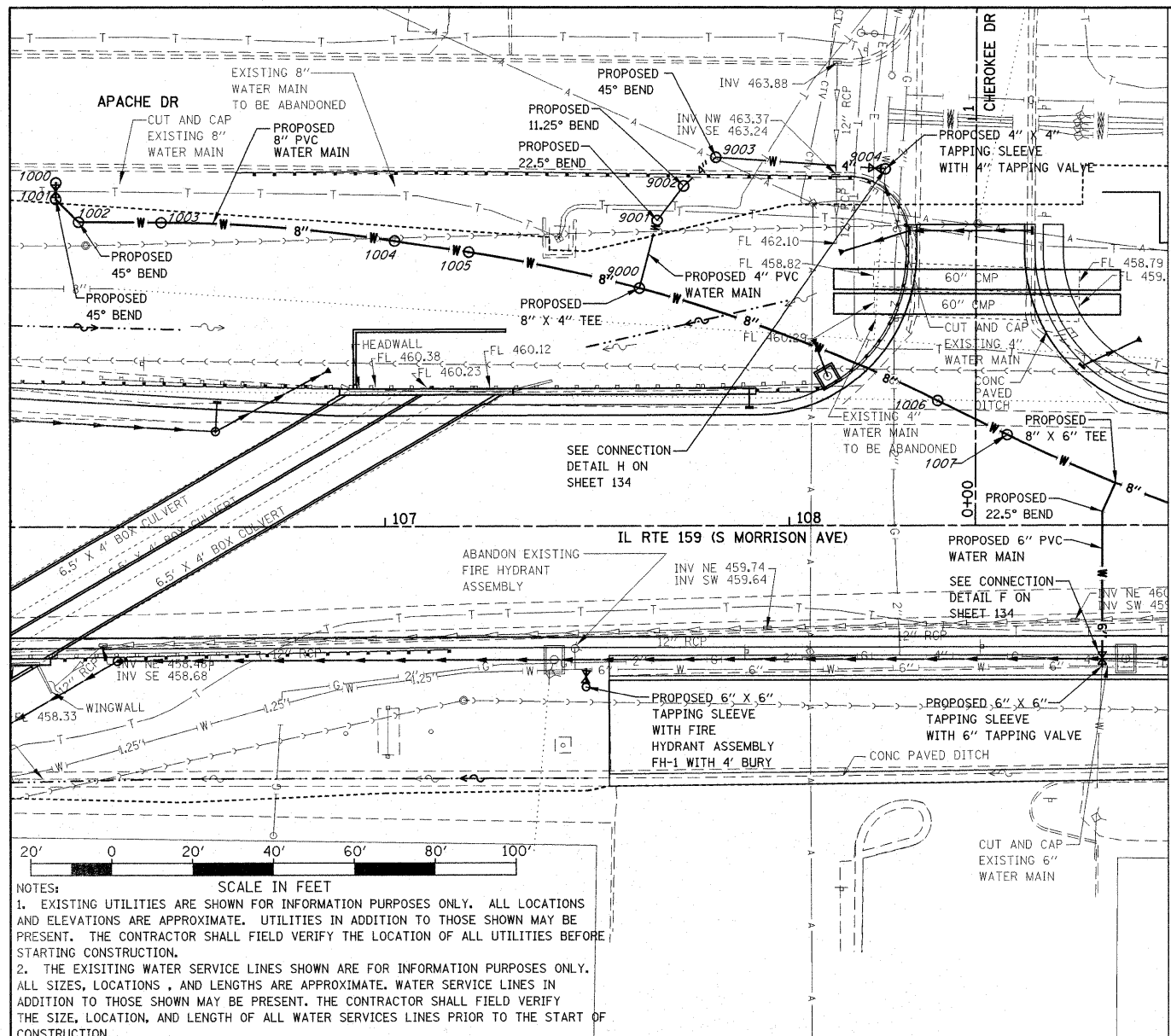
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE NOTATION DTDG	
	NO.	



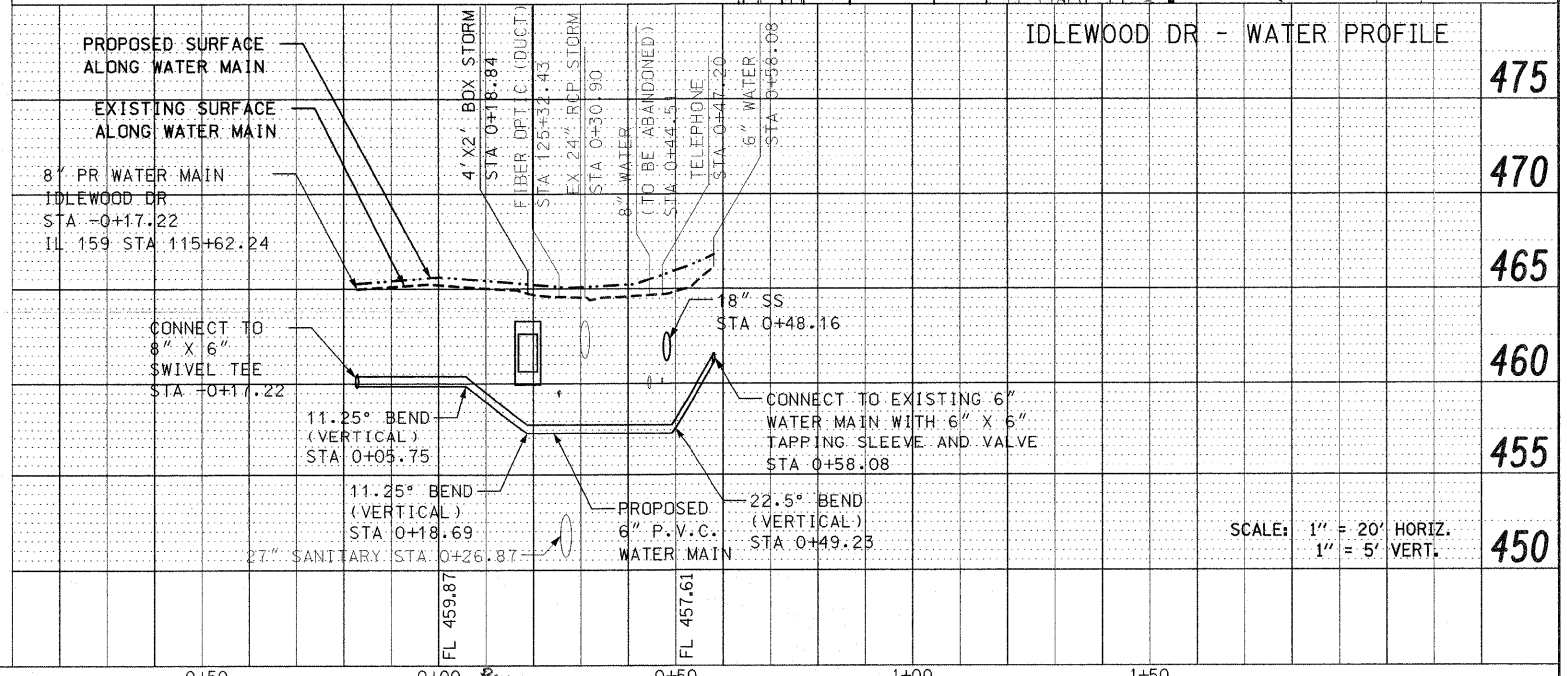
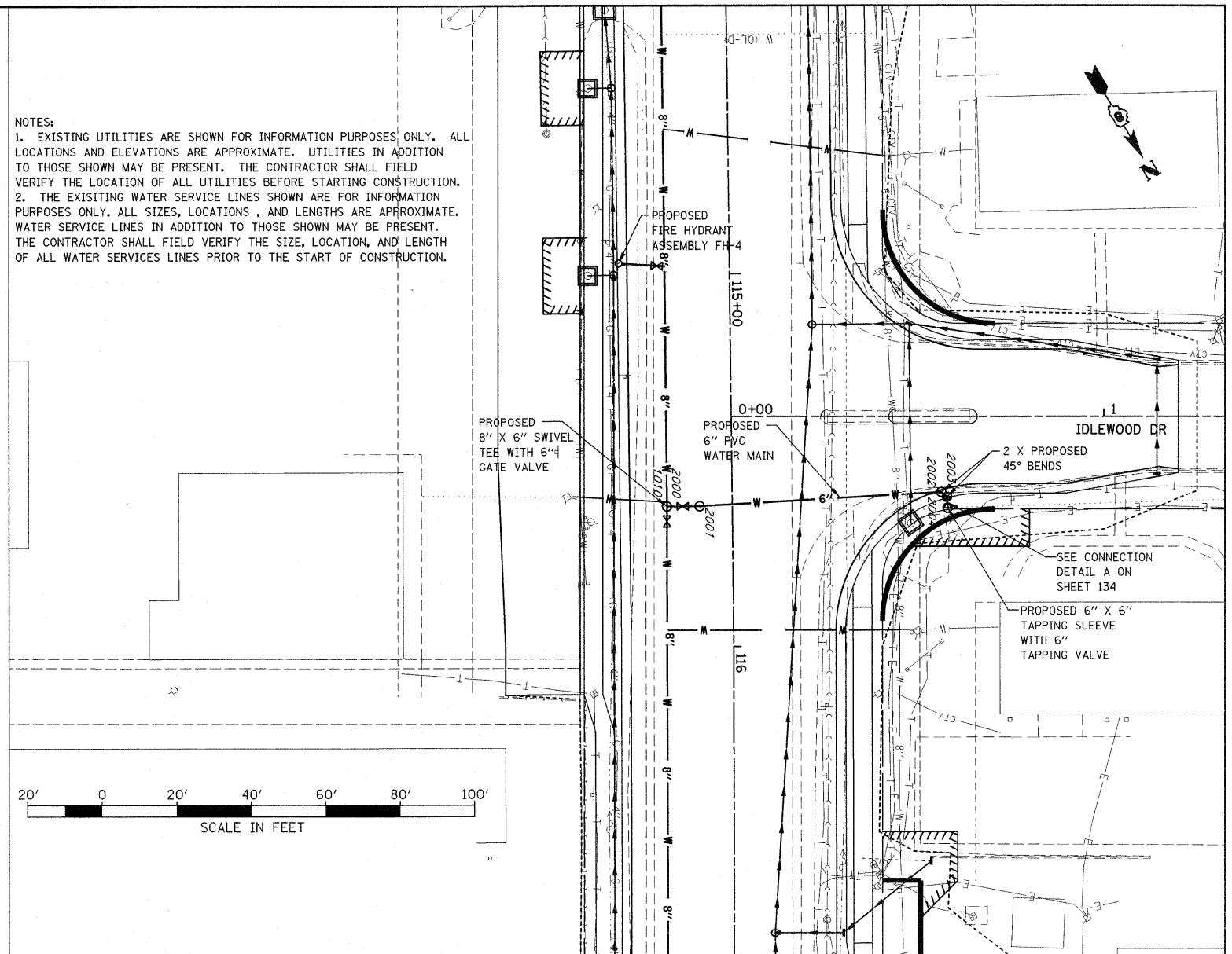
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		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 33 OF 33 SHEETS	STA 153+00.00 TO STA 156+02.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
		CHECKED -	REVISED -										
		DATE -	REVISED -										

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

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



NOTES:  
 1. EXISTING UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE. UTILITIES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.  
 2. THE EXISTING WATER SERVICE LINES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ALL SIZES, LOCATIONS, AND LENGTHS ARE APPROXIMATE. WATER SERVICE LINES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION, AND LENGTH OF ALL WATER SERVICES LINES PRIOR TO THE START OF CONSTRUCTION.

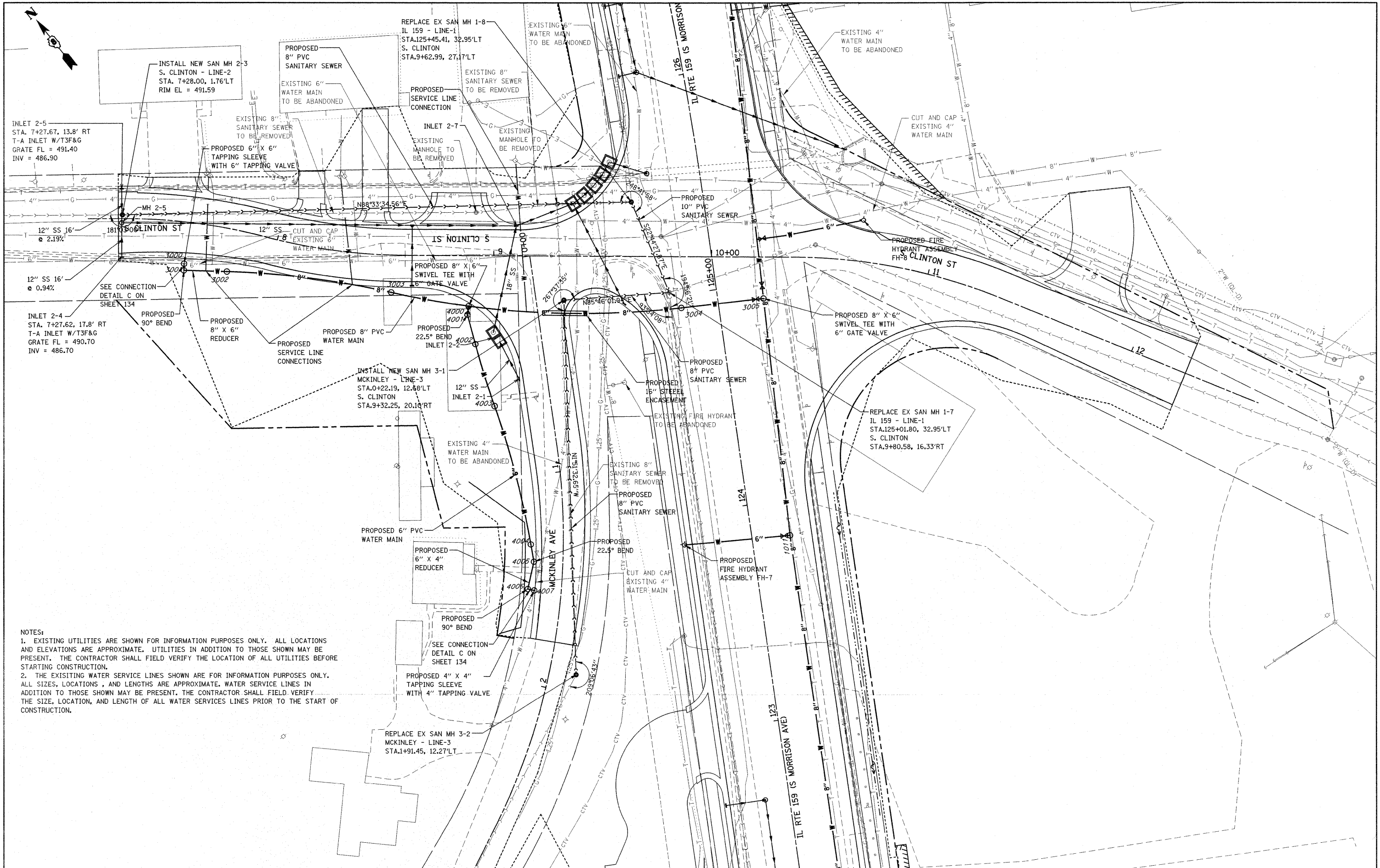


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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -
PLOT SCALE =	20.0000' / IN.
PLOT DATE =	12/17/2009

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN/PROFILE  
 CHEROKEE DR AND IDLEWOOD DR

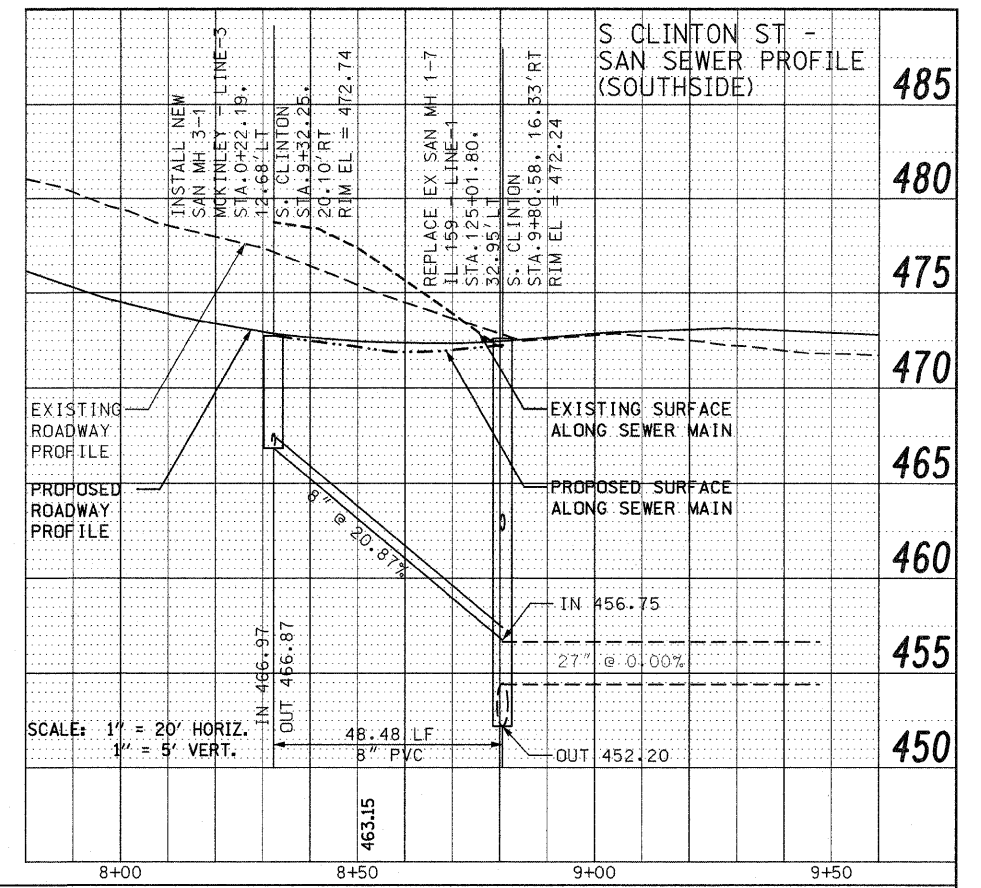
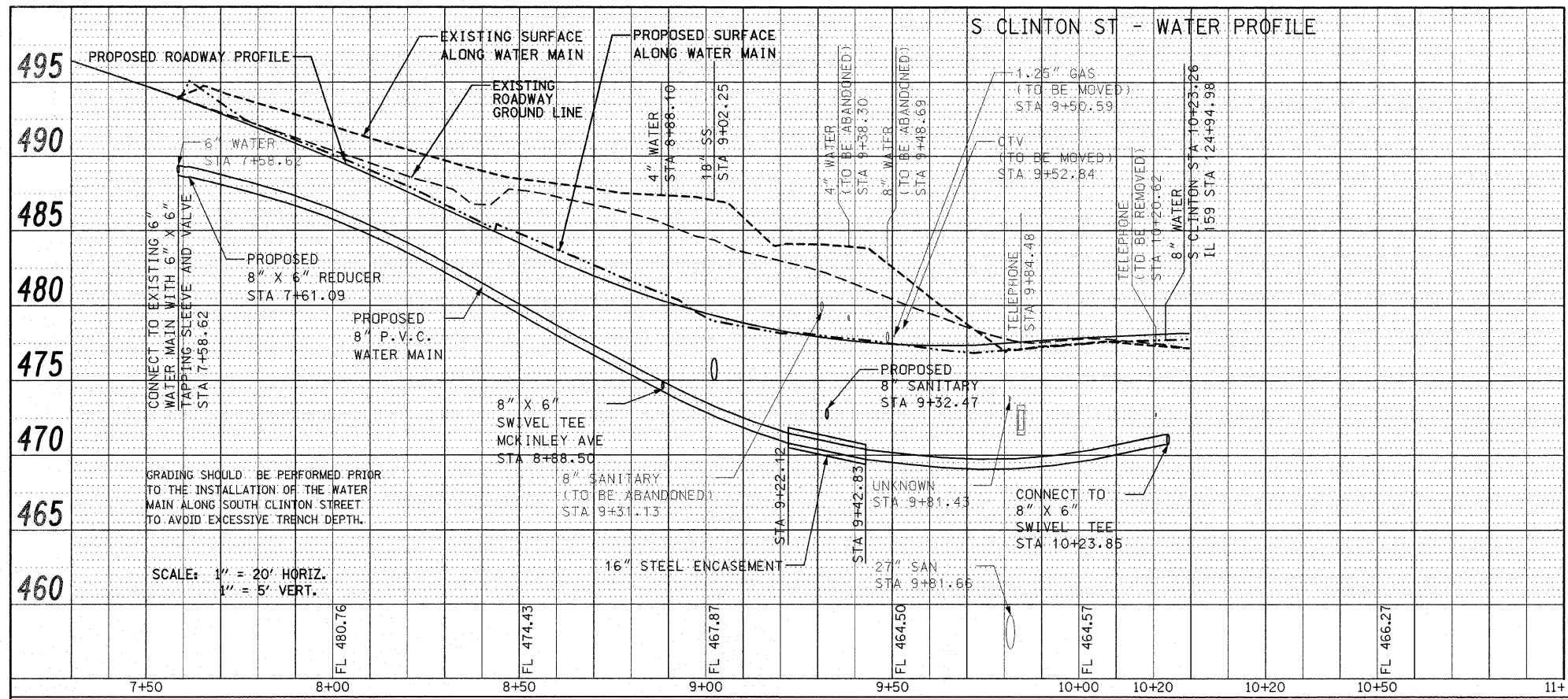
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	122
SCALE: 1" = 20'		SHEET NO. 1 OF 12 SHEETS		STA -0+50.00 TO STA 2+00.00
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



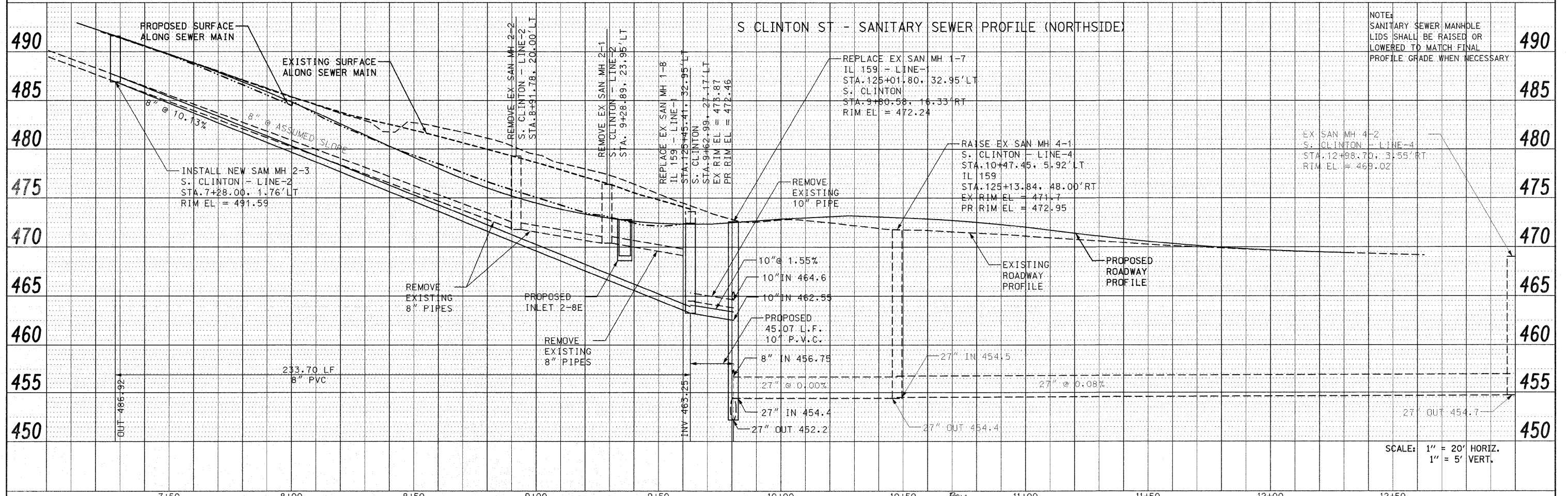
NOTES:  
 1. EXISTING UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE. UTILITIES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.  
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FILE NAME = p:\projects\513581\cadd\dgn\0876838-sh1	USER NAME = default dra-mrideroads.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PLAN</b> <b>S. CLINTON ST. AND MCKINLEY AVE.</b>	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON/ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 123		
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET NO. 2 OF 12 SHEETS	STA N/A	TO STA N/A	CONTRACT NO. 76830		
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

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	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. CAD FILE NAME	

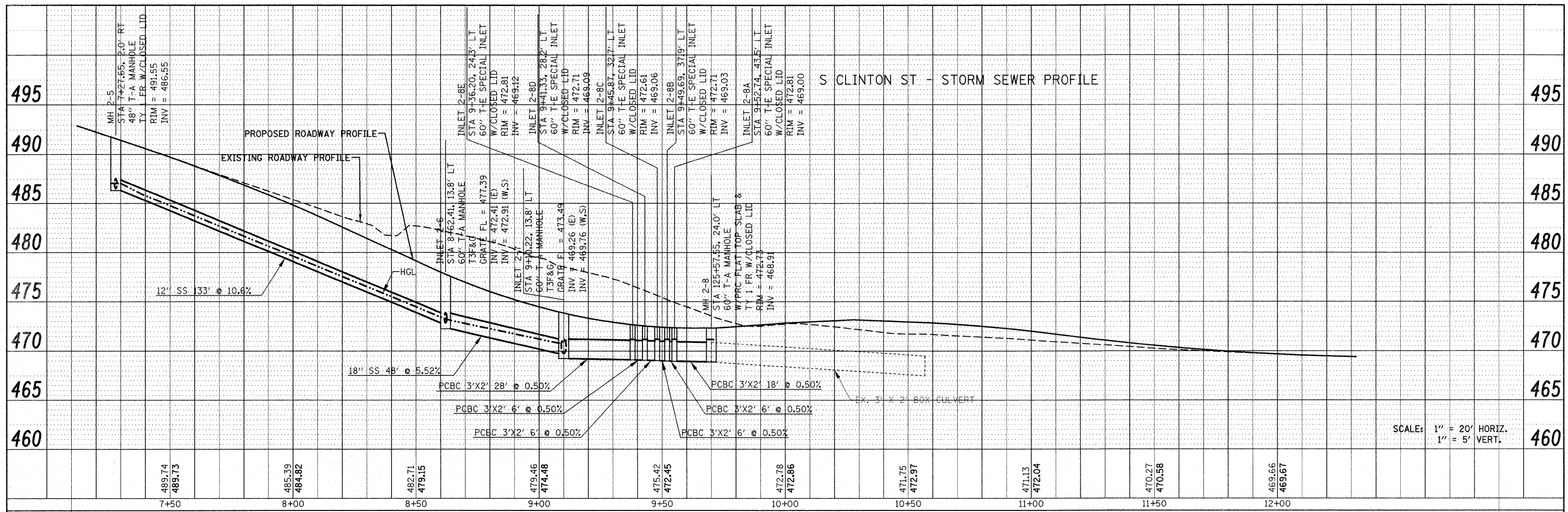


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	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHD	

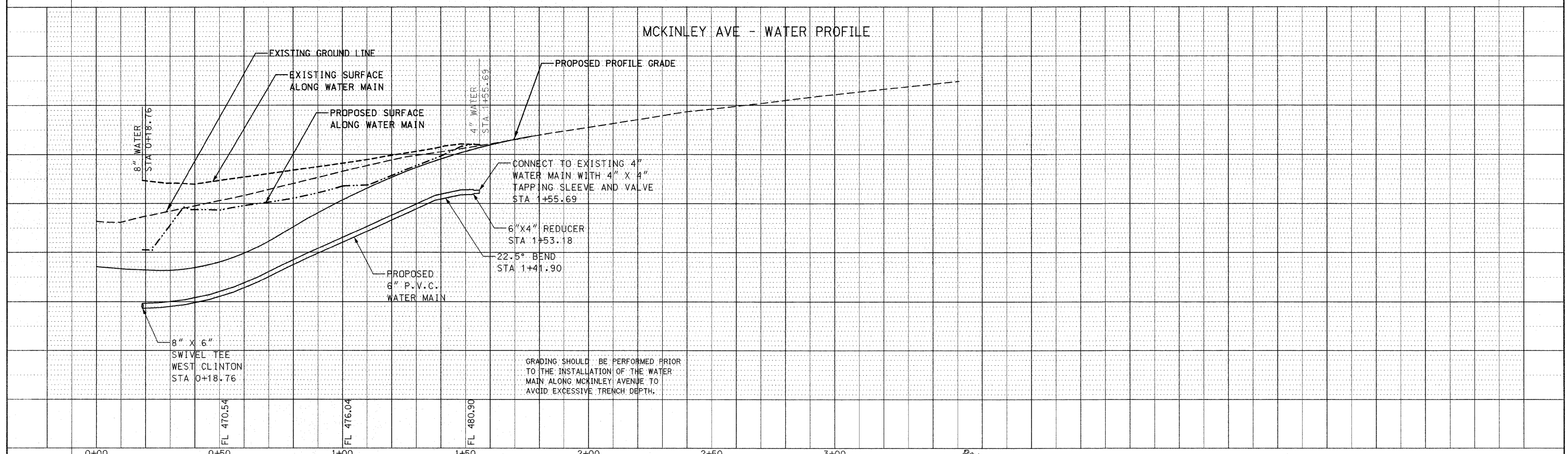




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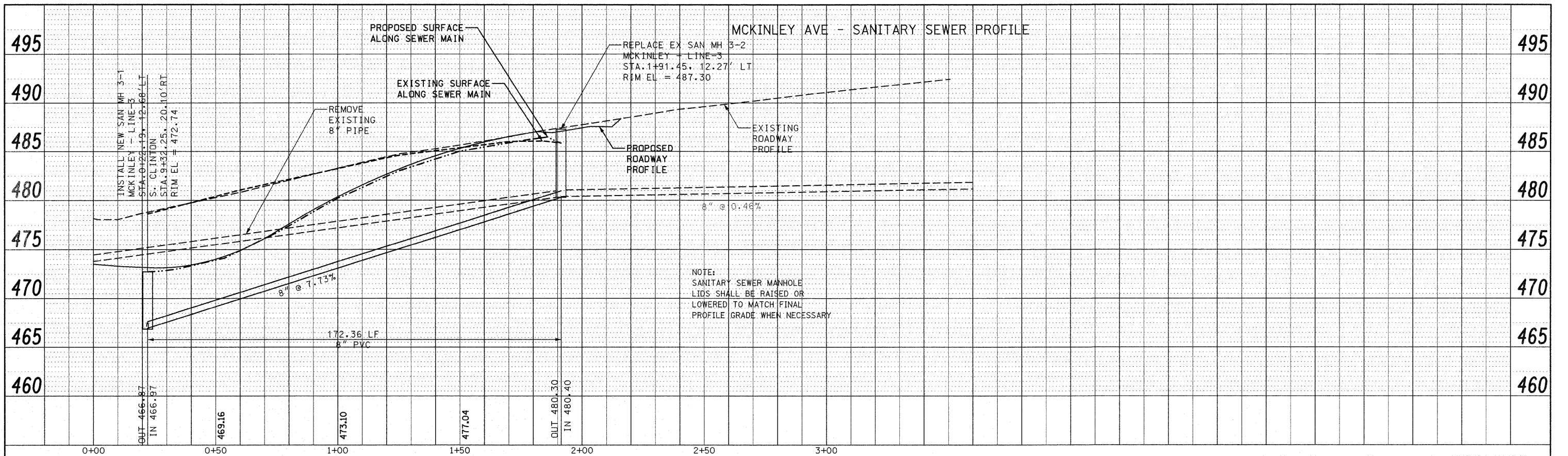


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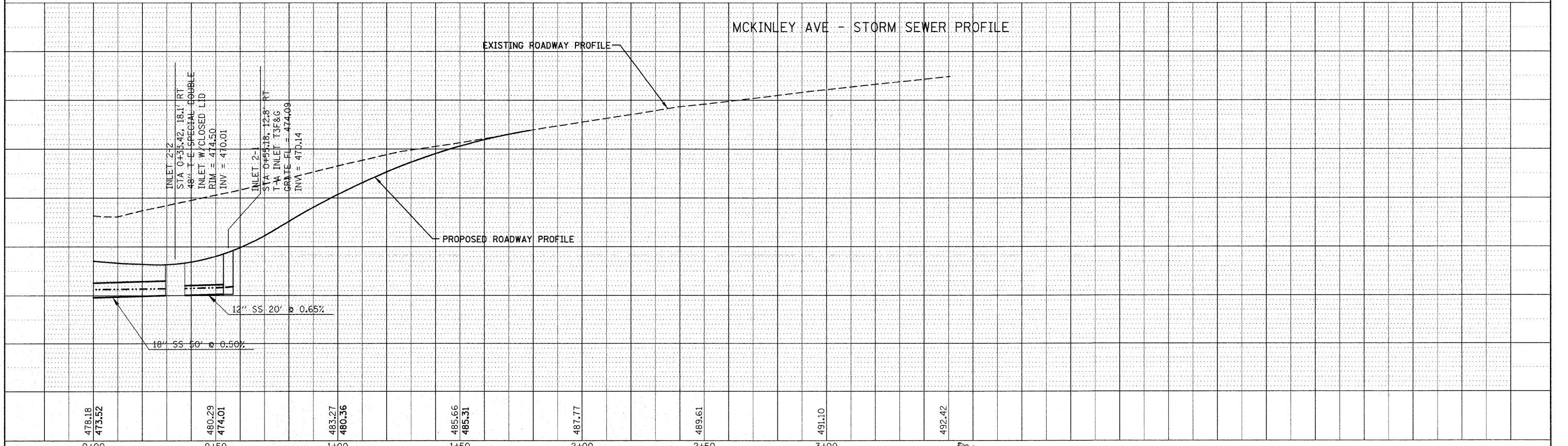


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PROFILES</b> <b>S. CLINTON ST. AND MCKINLEY AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pi\projects\51350\cadd\adgn\0876830-shd-d	ain-sideroads.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	125
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET NO. 4 OF 12 SHEETS	STA N/A	TO STA N/A	

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 NOTE BOOK NO. OF WAY CHECKED  
 NO. CAD FILE NAME



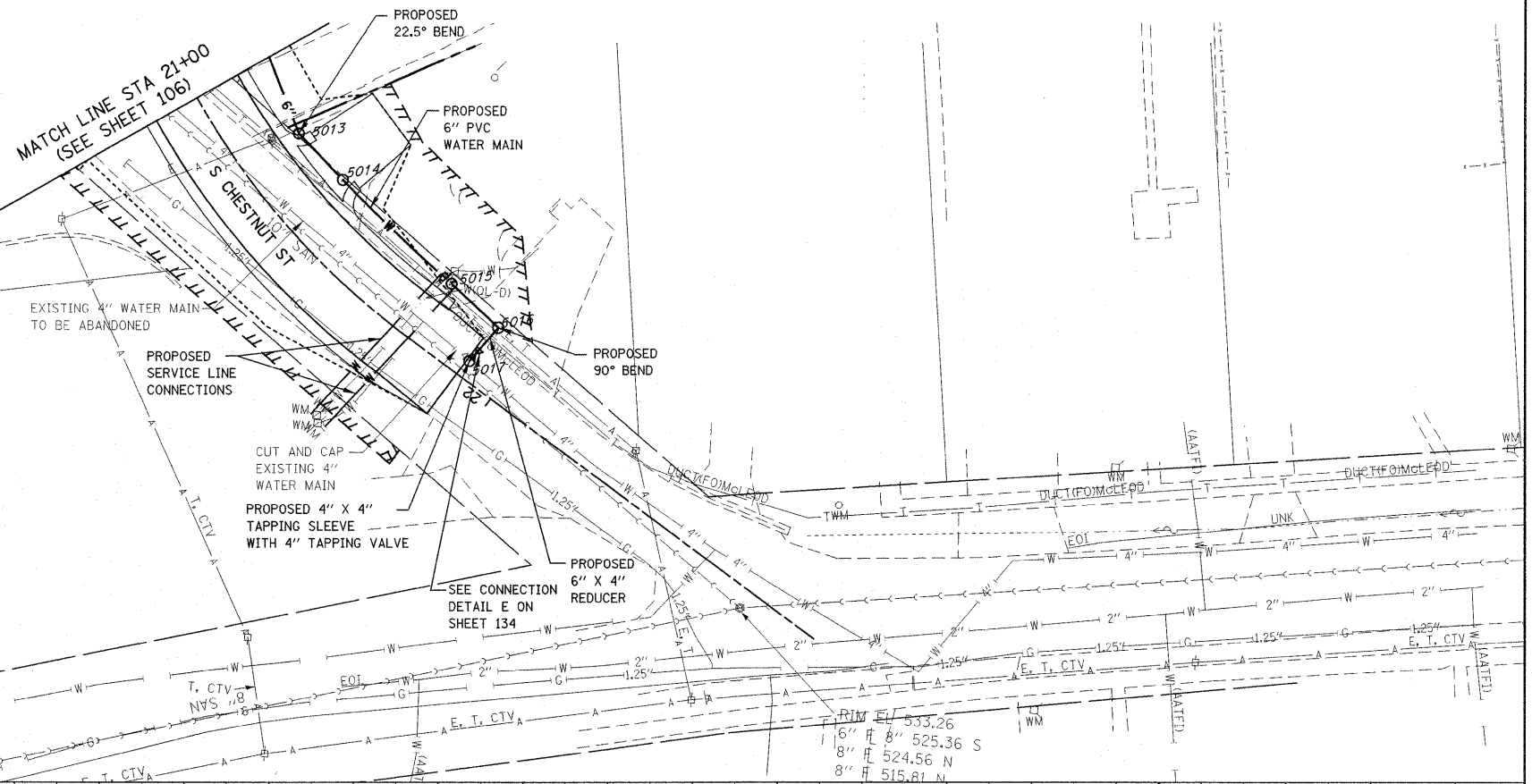
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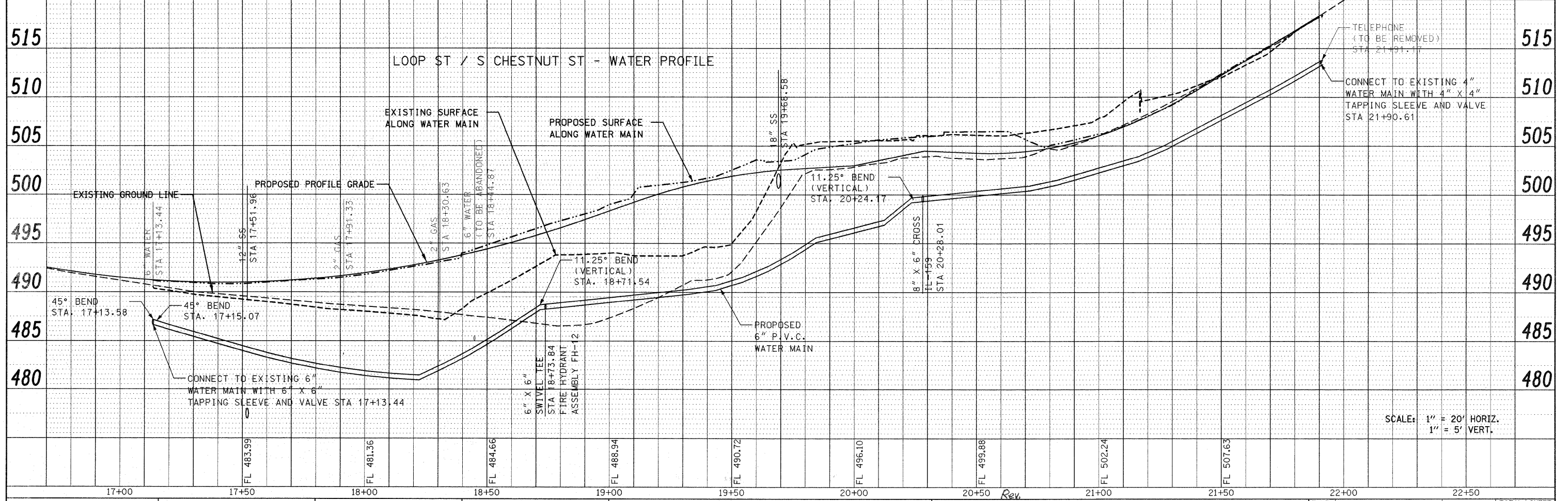
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pi\projects\513501\cadd\dgn\0876830-shd-d	san-sideroads.dgn	DRAWN -	REVISED -					MADISON/ST. CLAIR	399	126	
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76830					
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	BY		
	DATE		
	NO.		
	FILE NAME		

NOTES:  
 1. EXISTING UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL LOCATIONS AND ELEVATIONS ARE APPROXIMATE. UTILITIES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE STARTING CONSTRUCTION.  
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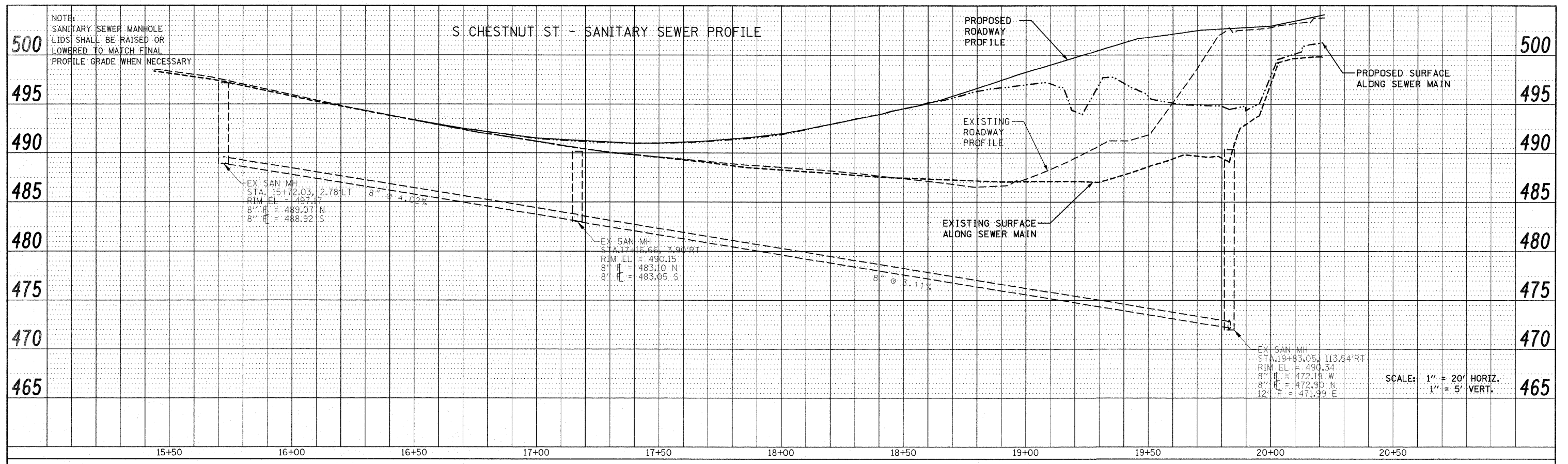
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	FILE NAME		



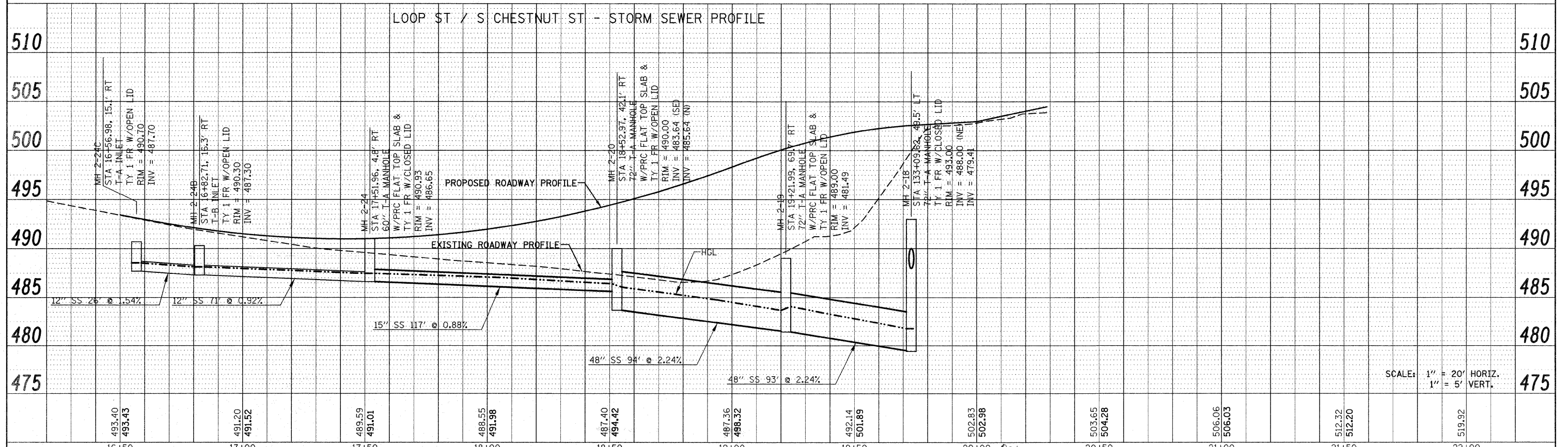
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 1" = 5' VERT.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PLAN/PROFILE LOOP ST./S. CHESTNUT ST.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pi:\projects\513501\cadd\dgn\0875830-sh1-d	am:side_road.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	127
PLOT SCALE = 20,0000 / / IN.		CHECKED -	REVISED -			CONTRACT NO.				
PLOT DATE = 12/17/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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 RT. OF WAY CHECKED  
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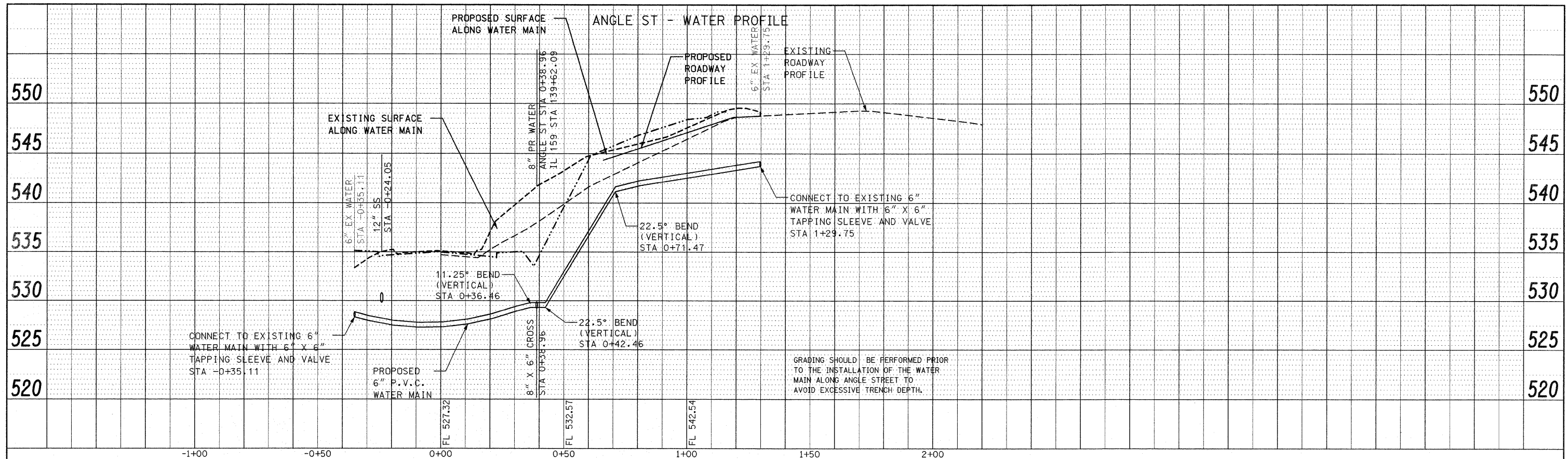


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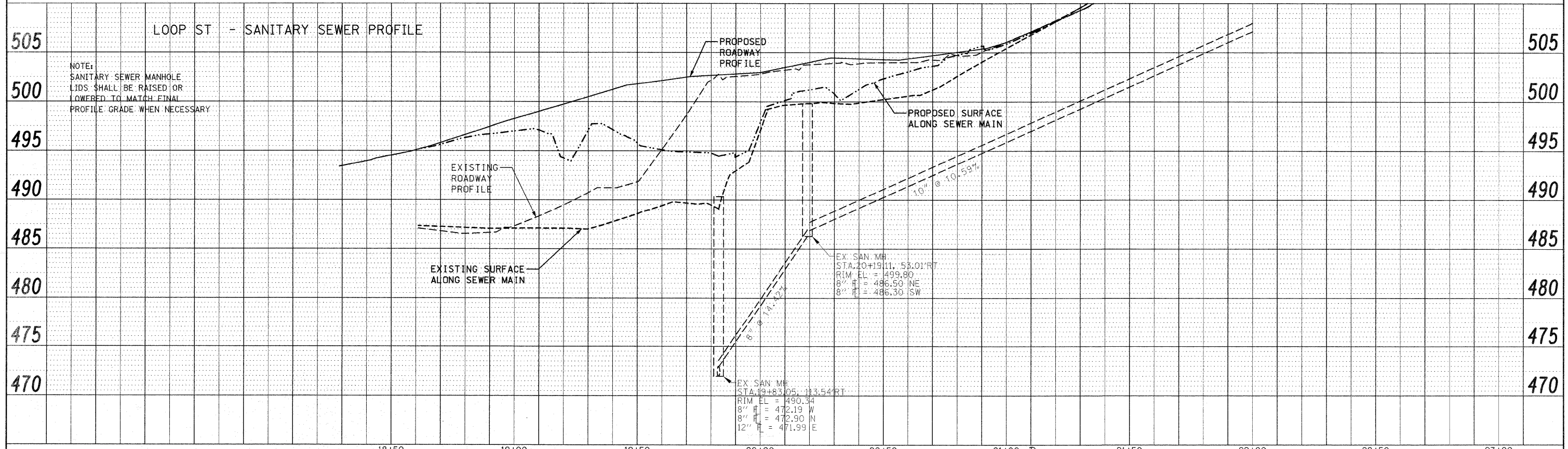


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PROFILE LOOP ST./S. CHESTNUT ST.</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pr\projects\513501\cadd\dgn\0876830-sh1-d	asr\side_road.dgn	DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 7 OF 12 SHEETS	STA N/A	TO STA N/A	600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	128
		CHECKED -	REVISED -		CONTRACT NO. 76830								
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

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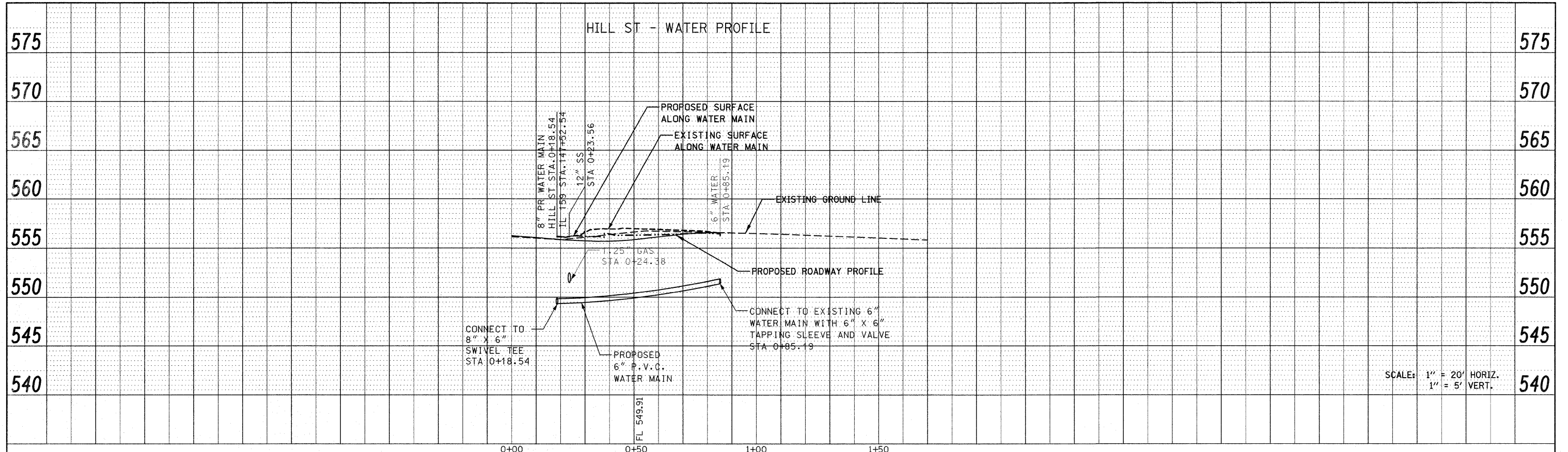


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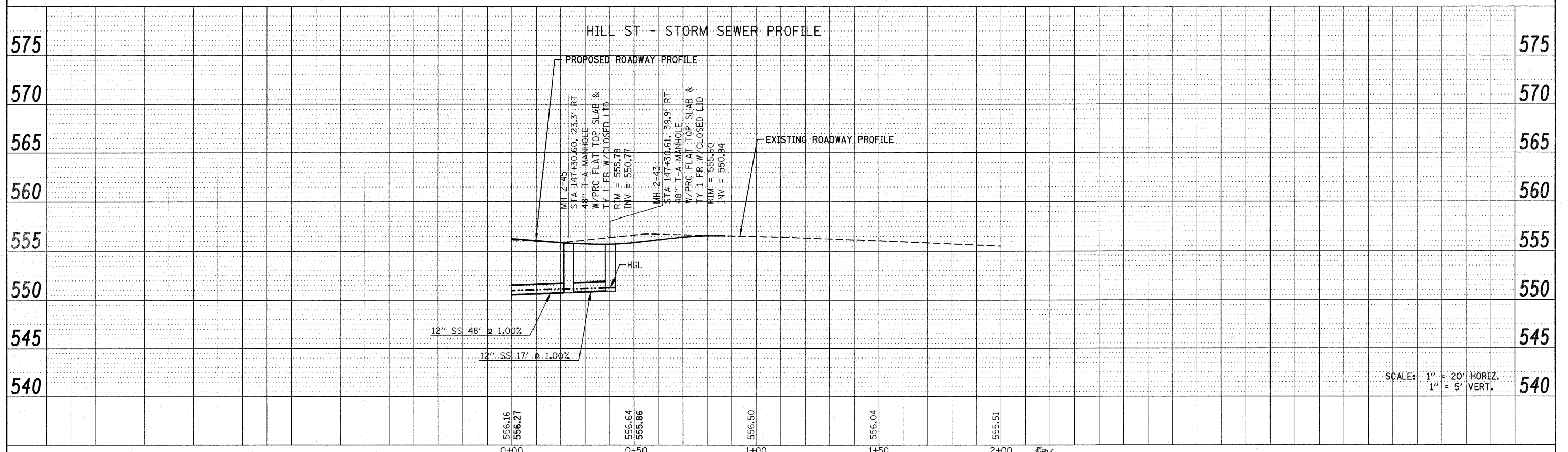


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	PLOT DATE = 12/17/2009	DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
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PROFILE	SURVEYED	DATE
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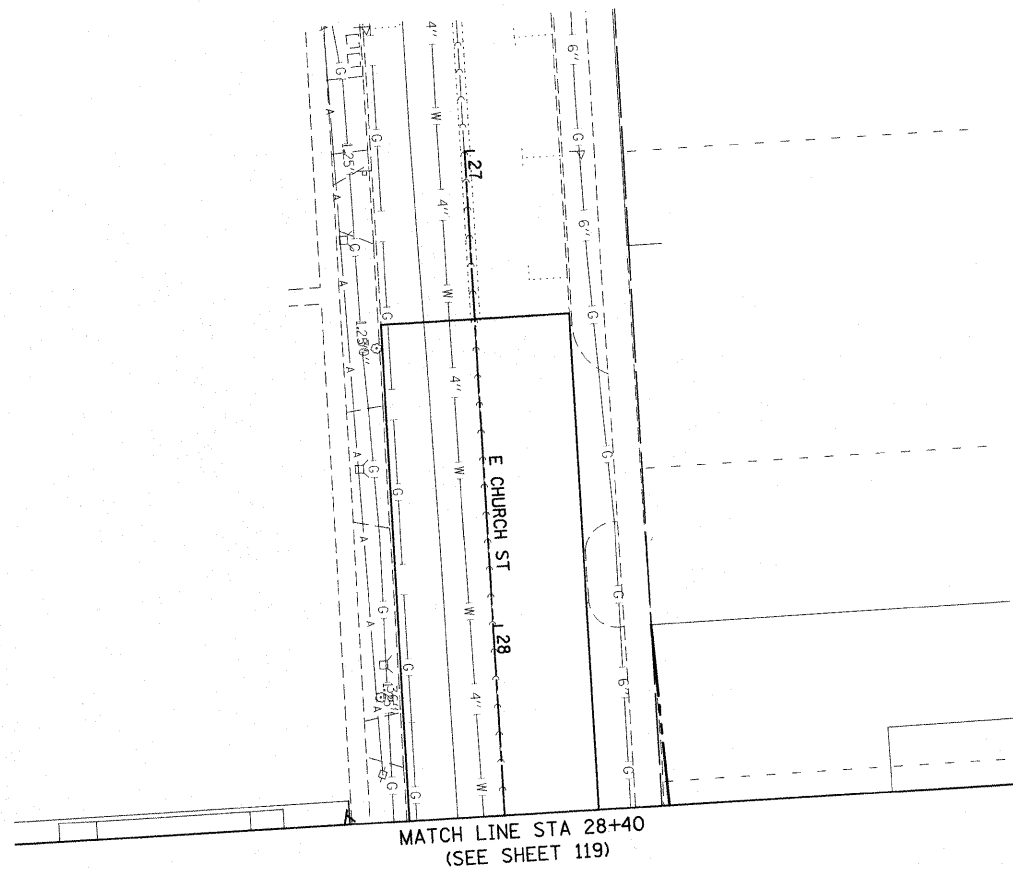


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PROFILES HILL ST.</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\projects\513501\cadd\dgn\0876830-shr-d	am-sideroads.dgn	DRAWN -	REVISED -		600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	130				
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		SCALE: 1" = 20'			SHEET NO. 9 OF 12 SHEETS		STA N/A	TO STA N/A	CONTRACT NO. 76830	
PLOT DATE = 12/17/2009		DATE -	REVISED -		FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT					



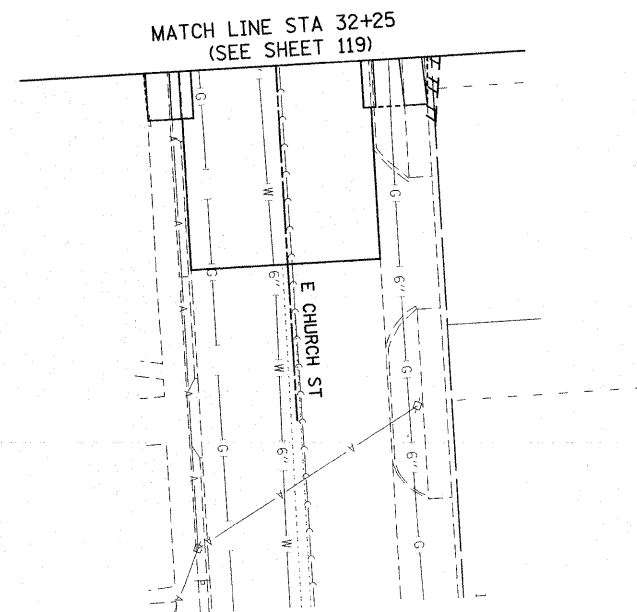
**NOTES:**

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FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY SIDE ROAD PLAN E. CHURCH ST.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\projects\513501\cadd\dgn\0876838-shd	drain-sideroads.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	131
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76830				
	PLOT DATE = 12/17/2009	DATE -	REVISED -			SCALE: 1" = 20'	SHEET NO. 10 OF 12 SHEETS	STA N/A	TO STA N/A	FED. ROAD DIST. NO.

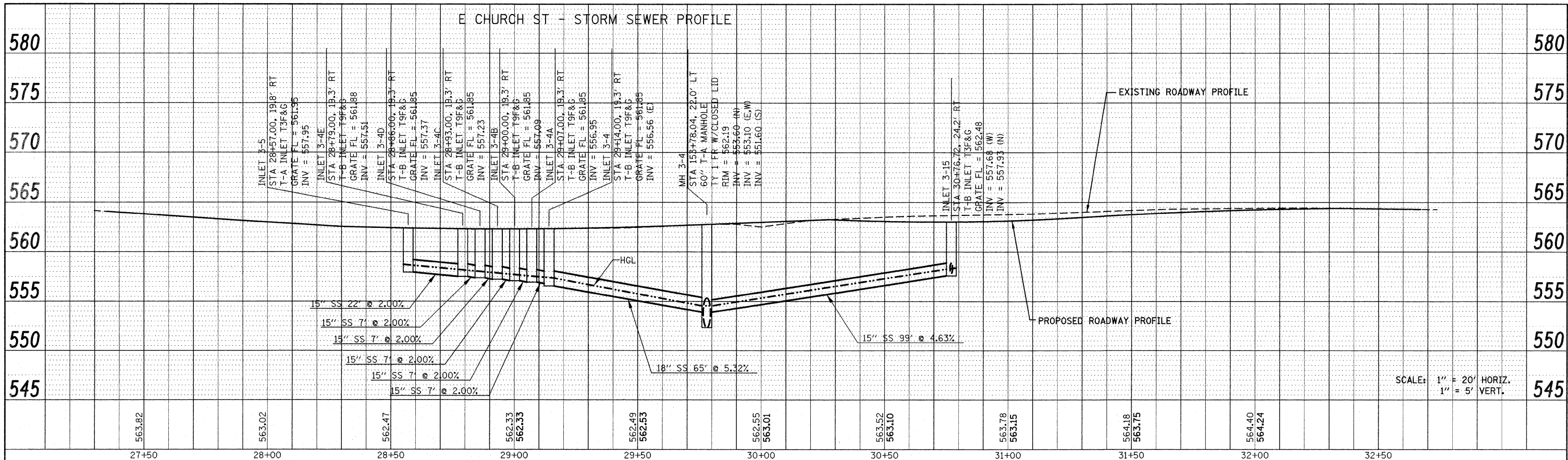




PLAN SURVEYED PLOTTED CHECKED  
 DATE BY  
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PROFILE SURVEYED PLOTTED CHECKED  
 DATE BY  
 NO. CADD FILE NAME

E CHURCH ST - STORM SEWER PROFILE

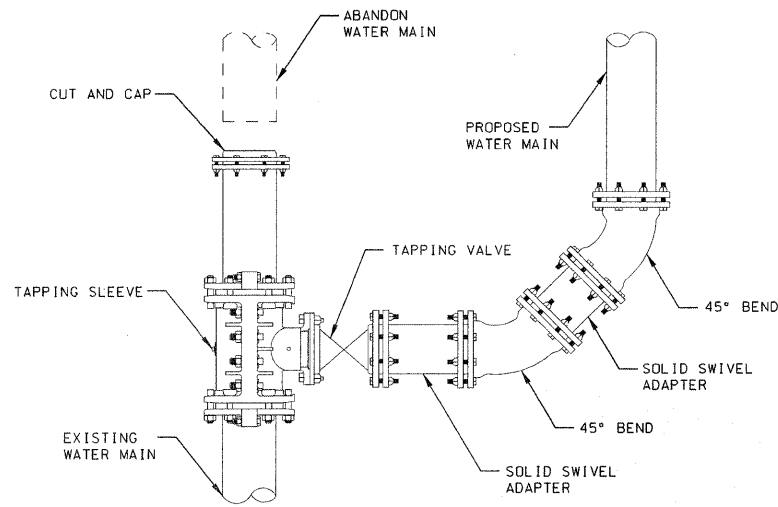


SCALE: 1" = 20' HORIZ.  
 1" = 5' VERT.

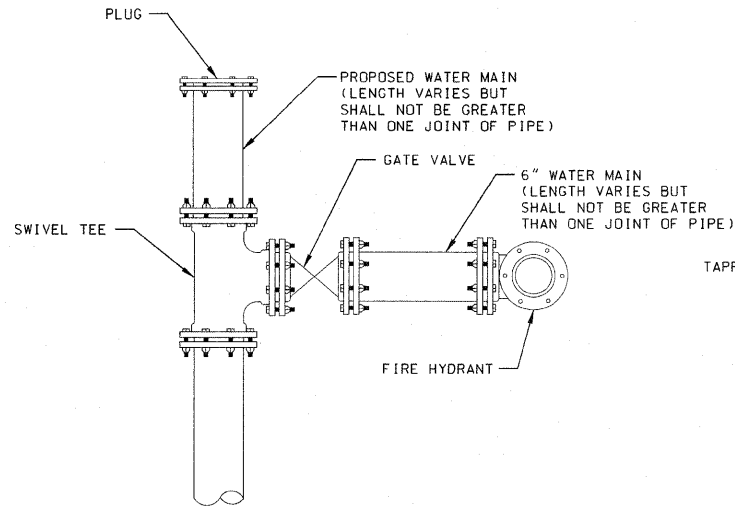
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY SIDE ROAD PROFILE E. CHURCH ST.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pi\projects\513501\cadd\dgn\0876830-shd.dgn	rain:side:roads.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	133	
PLOT SCALE = 20.0000' / 1" IN.	DATE = 12/17/2009	CHECKED -	REVISED -			CONTRACT NO. 76830					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT					

Rev.

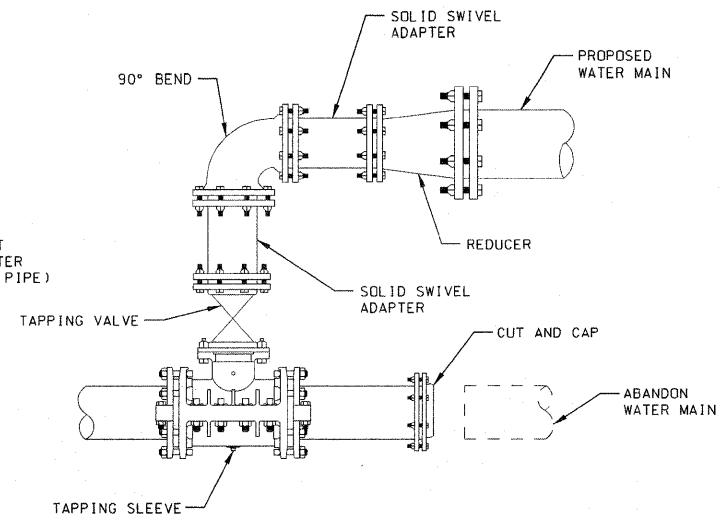
SCALE: 1" = 20' SHEET NO. 12 OF 12 SHEETS STA N/A TO STA N/A



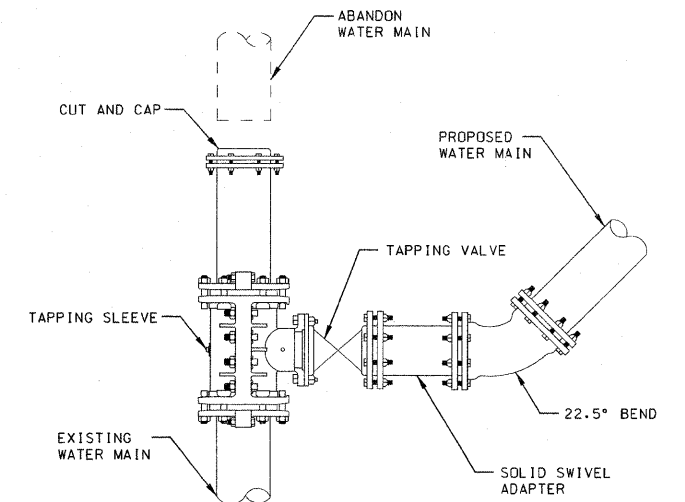
CONNECTION DETAIL A  
NOT TO SCALE



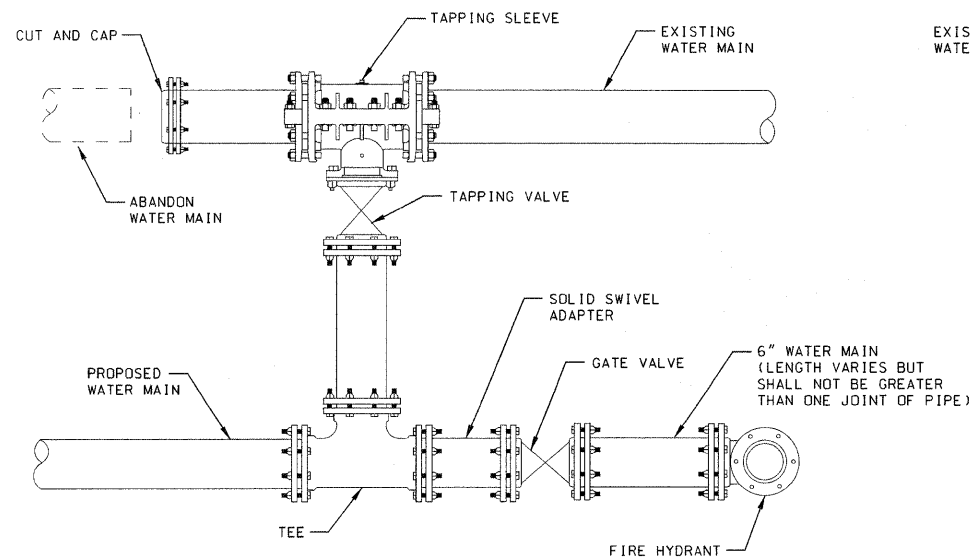
CONNECTION DETAIL B  
NOT TO SCALE



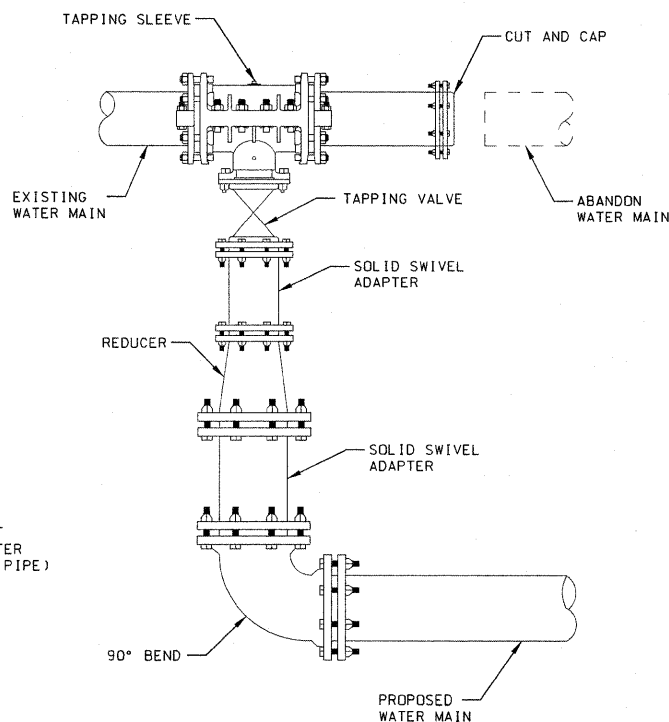
CONNECTION DETAIL C  
NOT TO SCALE



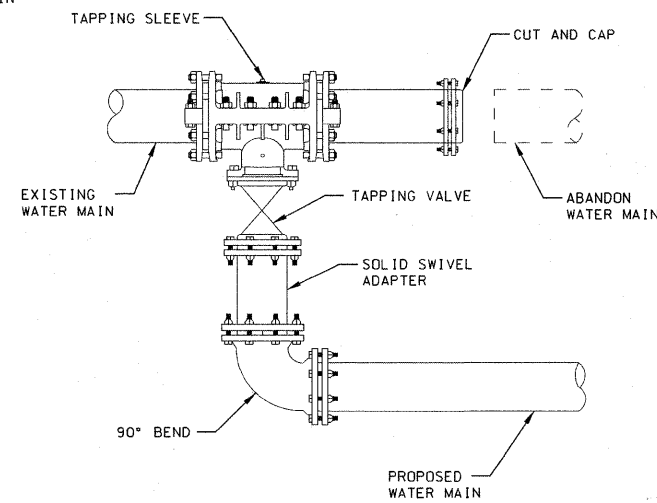
CONNECTION DETAIL H  
NOT TO SCALE



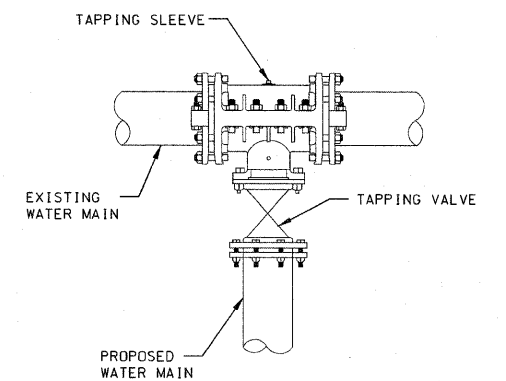
CONNECTION DETAIL D  
NOT TO SCALE



CONNECTION DETAIL E  
NOT TO SCALE



CONNECTION DETAIL F  
NOT TO SCALE



CONNECTION DETAIL G  
NOT TO SCALE

NOTES:

HYDRANTS ARE TO BE SET ON 6" LATERALS. ISOLATED BY A GATE VALVE WITH BOX, AND RESTRAINED WITH SET SCREW RETAINER GLANDS, AND CONCRETE THRUST BLOCKS.

FIRE HYDRANT ASSEMBLY TO INCLUDE 6" GATE VALVE, VALVE BOX, 6" LEAD PIPE, AND 6" FIRE HYDRANT.

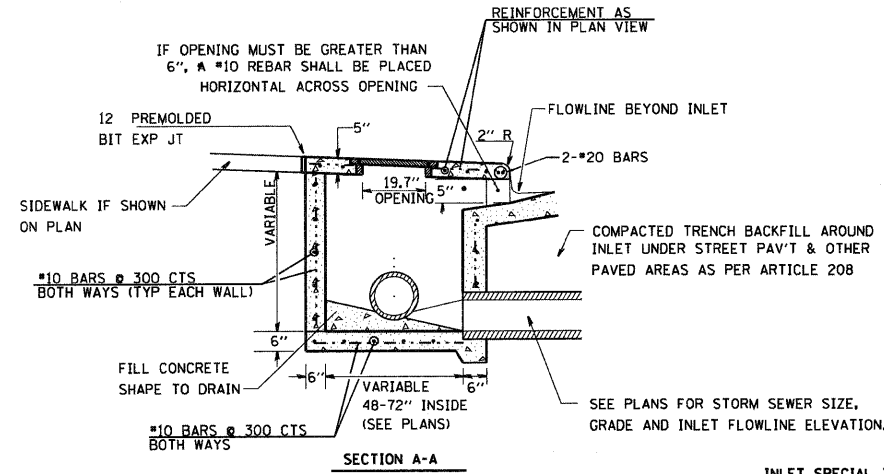
LINE ENDS ARE TO BE CAPPED WITH MECHANICAL JOINT CAP AND A SET SCREW RETAINER GLAND, LESS THAN ONE LENGTH OF PIPE PAST THE GATE VALVE OR TAPPING SLEEVE.

ALL VALVES AND FITTINGS SUCH AS TEES, CROSSES, REDUCERS, ELBOWS, CAPS, PLUGS, ETC., SHALL BE DUCTILE IRON WITH MECHANICAL JOINTS AND INCLUDE TRANSITION GASKETS, AND THEY SHALL BE RESTRAINED WITH SET SCREW RETAINER GLANDS AND CONCRETE THRUST BLOCKS.

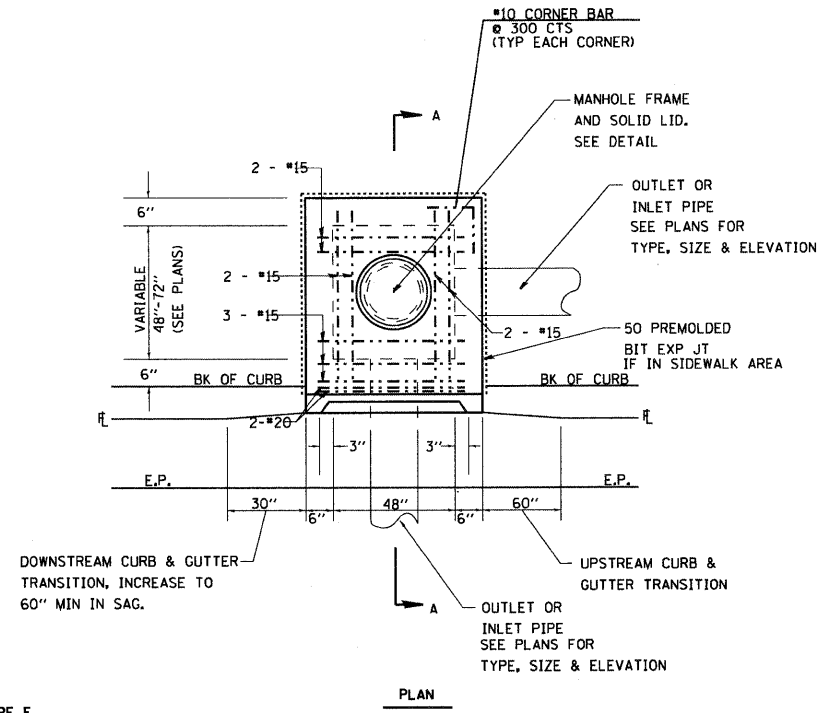
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	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 4 SHEETS	STA	TO STA	600	60-(30,31,128)-1		399	134
	PLOT DATE = #DATE#	CHECKED -	REVISED -										
		DATE -	REVISED -						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830

NOTES:

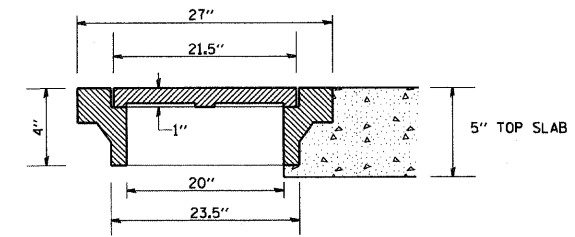
1. THE CONTRACT UNIT PRICE OF EACH FOR INLET, (SPECIAL) TYPE E SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT THE INLET IN ACCORDANCE WITH ARTICLE 602 OF THE STANDARD SPECIFICATIONS AND AS SHOWN HEREIN.
2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
3. THE FRONT EDGE OF THE TOP SLAB SHALL BE EITHER STRAIGHT OR RADIUS AS NEEDED TO CONFORM WITH THE SHAPE OF THE ADJACENT CURB AND GUTTER.



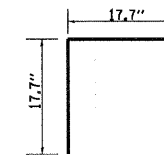
INLET SPECIAL TYPE E



PLAN

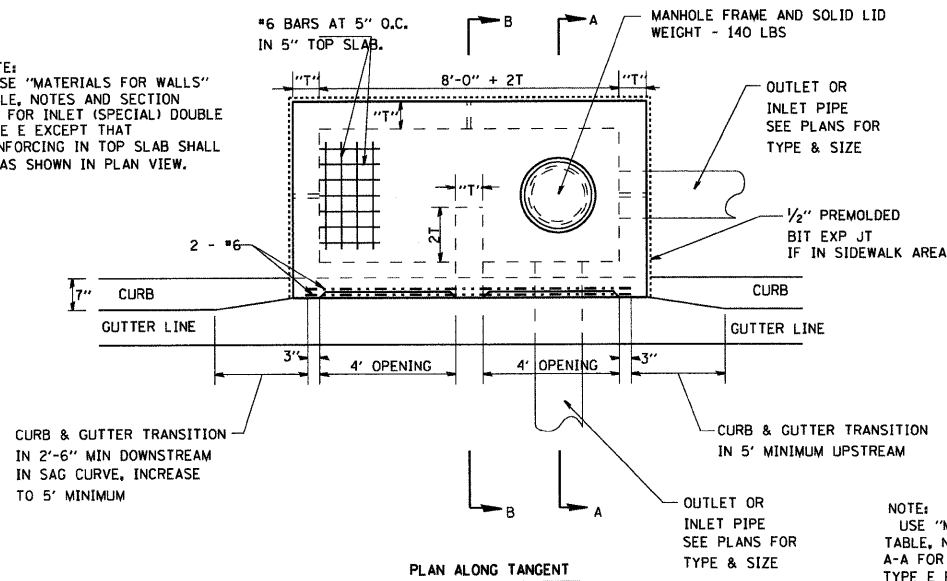


TYPICAL DETAIL OF  
MANHOLE FRAME AND SOLID LID  
NEENAH R-6020 OR APPROVED EQUAL

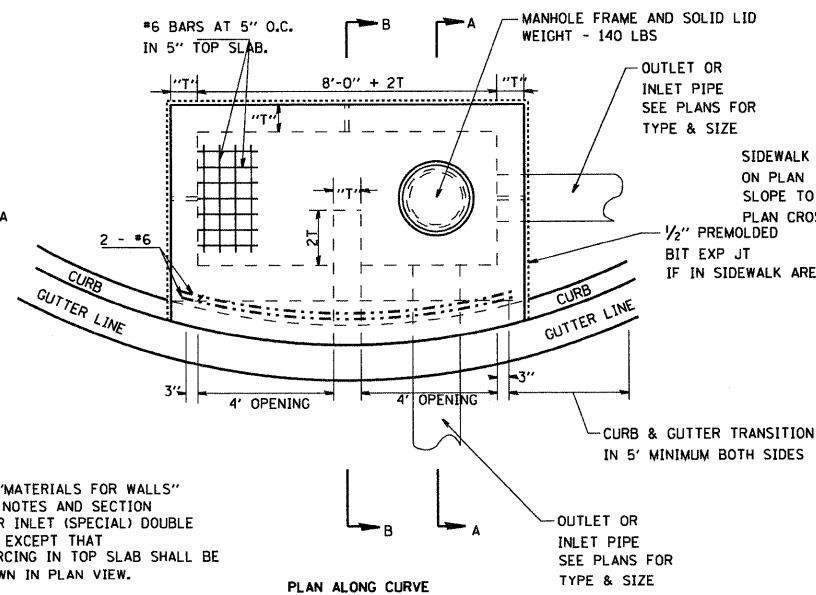


CORNER BAR

NOTE:  
USE "MATERIALS FOR WALLS"  
TABLE, NOTES AND SECTION  
A-A FOR INLET (SPECIAL) DOUBLE  
TYPE E EXCEPT THAT  
REINFORCING IN TOP SLAB SHALL  
BE AS SHOWN IN PLAN VIEW.

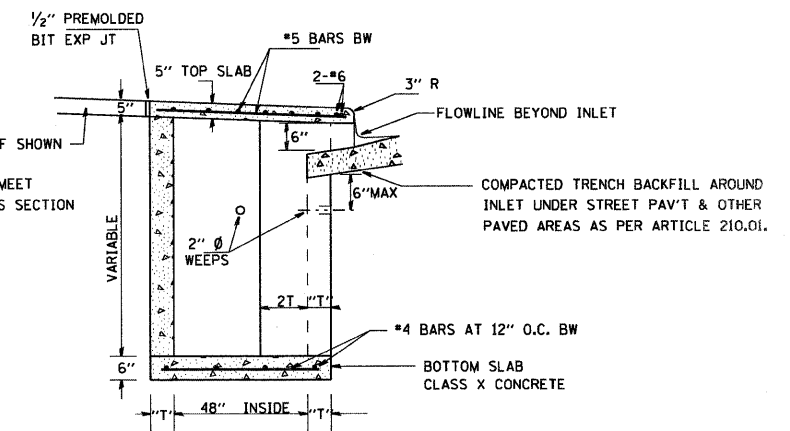


PLAN ALONG TANGENT



PLAN ALONG CURVE

NOTE:  
USE "MATERIALS FOR WALLS"  
TABLE, NOTES AND SECTION  
A-A FOR INLET (SPECIAL) DOUBLE  
TYPE E EXCEPT THAT  
REINFORCING IN TOP SLAB SHALL BE  
AS SHOWN IN PLAN VIEW.



SECTION B-B

FOR 1, 2 & 3, SEE ABOVE

4. BRICKS, CONCRETE BLOCKS AND REINFORCED CONCRETE BLOCKS TO BE LAID IN FULL MORTAR BEDS WITH FLUSH JOINTS.

5. WHEN CONSTRUCTED OF MONOLITHIC CONCRETE, USE #4 REINFORCING BARS SPACED AT 12" CENTERS BOTH WAYS IN FLOOR SLAB AND WALLS.

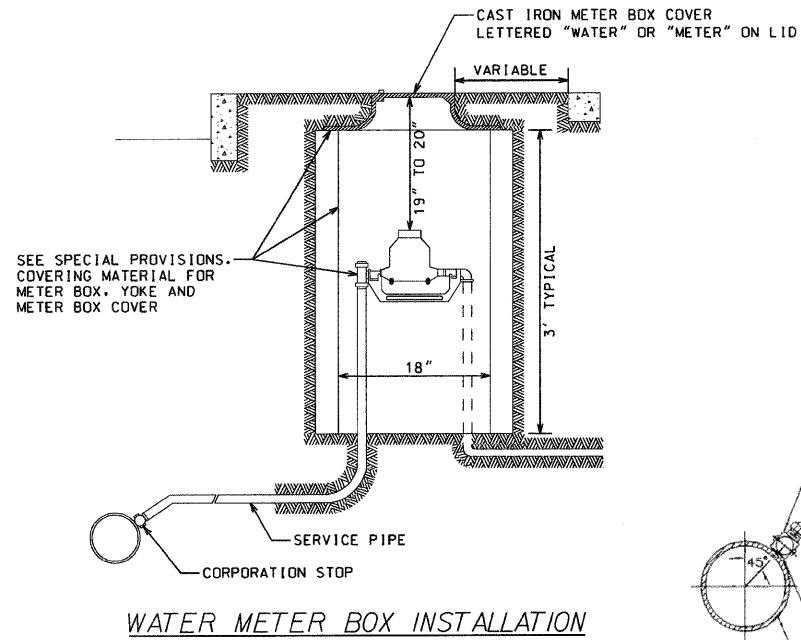
6. FOR SECTION A-A, SEE ABOVE

INLET SPECIAL DOUBLE TYPE E

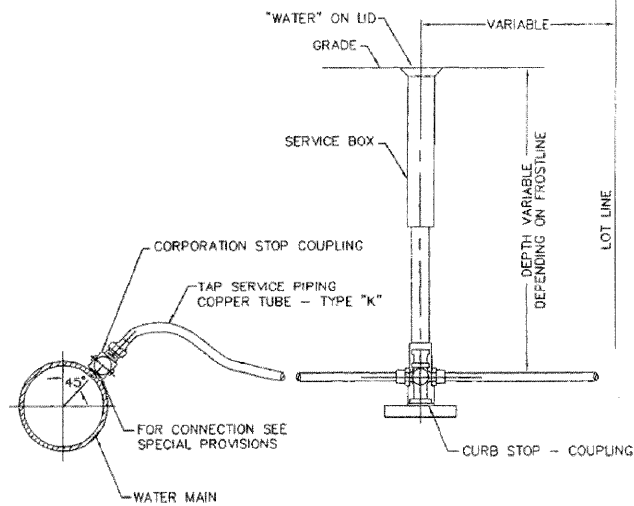
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SPECIAL INLET TYPE E DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pa\projects\513581\cadd\vg\0878838-sh-drawn-details.dgn	DRAWN -	REVISED -	600			60-(30,31,128)-1	WABSON/ST. CLAIR	399	135	
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76830							
PLOT DATE = 8/25/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.										

# DETAIL SHEET

NOT TO SCALE

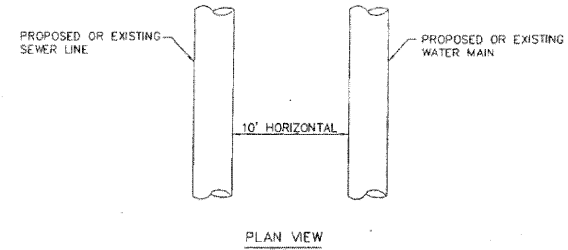


WATER METER BOX INSTALLATION



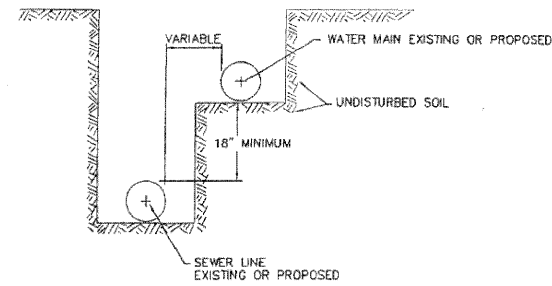
TYPICAL TAP SERVICE PIPING (COPPER)

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)

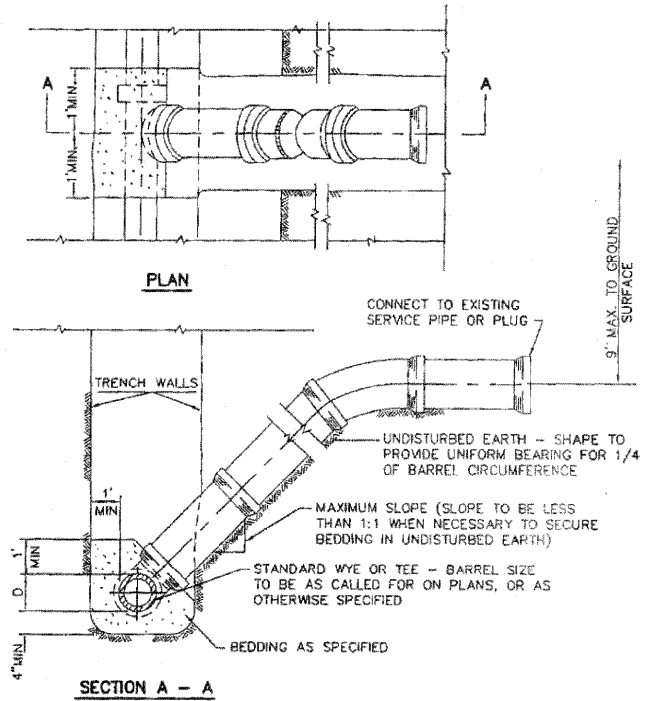


PLAN VIEW

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND STORM SEWER SEPARATION (HORIZONTAL)



SECTION A - A

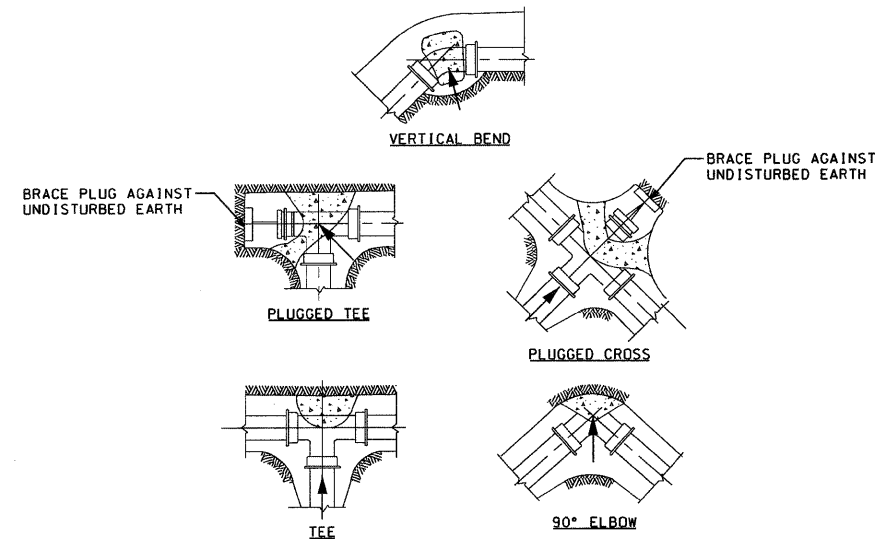
NOTE: WHERE SERVICE LINE IS BELOW FORCE MAIN, CONNECTION IS MADE ABOVE NORMAL FLOW OF MAIN SEWER.

NOTE: RISERS TO BE CONSTRUCTED IN LIEU OF WYES WHERE SEWER DEPTH EXCEEDS 12'-0". FOR PIPE MATERIAL AND CONCRETE SEE SPECIFICATIONS.

TYPICAL RISER FOR SERVICE LATERAL

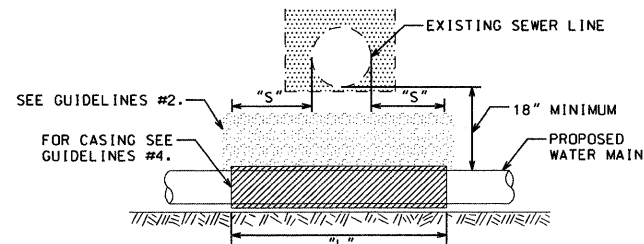
PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH. ARROWS INDICATE DIRECTION OF THRUST. ALL BLOCKS TO BE 3000 P.S.I. CONCRETE. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

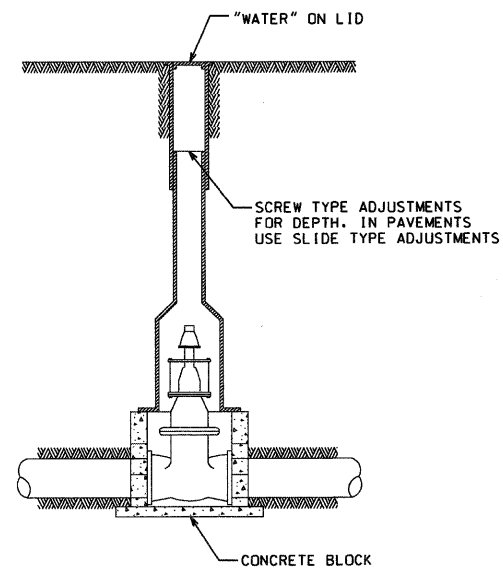


NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

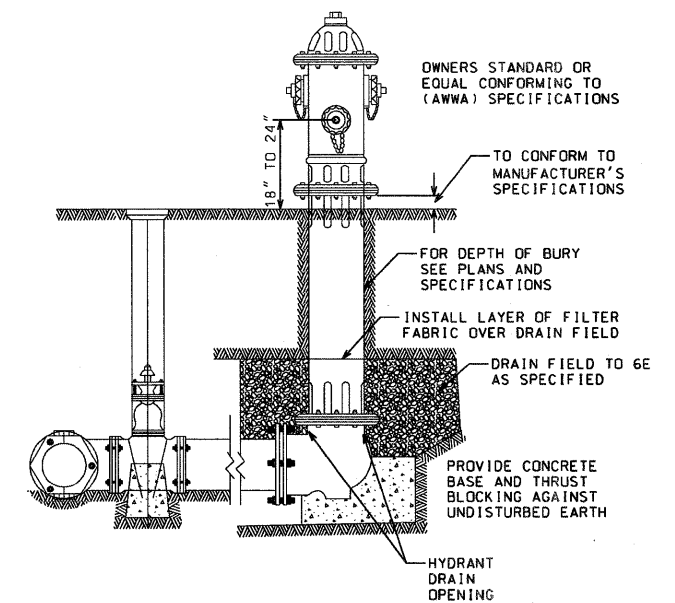
**GUIDELINES**

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND STORM SEWER SEPARATION (VERTICAL)



TYPICAL VALVE BOX INSTALLATION



**NOTES:**

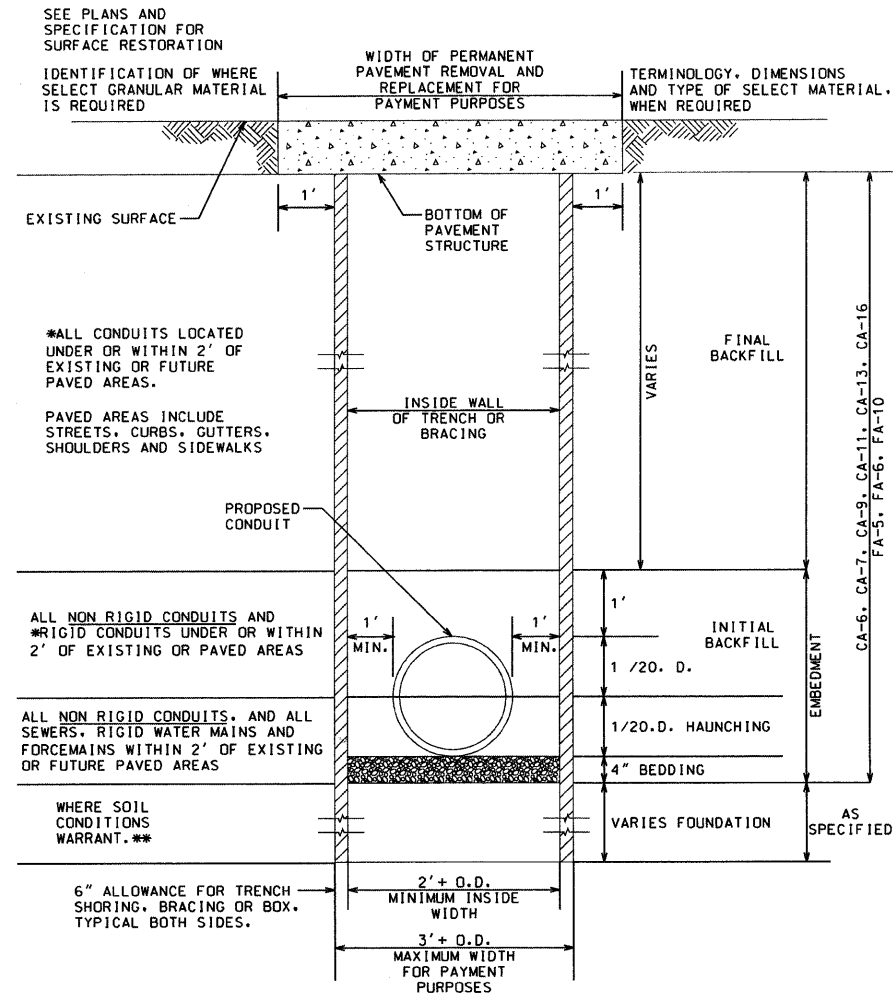
1. CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

FIRE HYDRANT ASSEMBLY

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>UTILITY RELOCATION DETAILS</b>			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\513581\cadd\dgn\0876830-sh1	dram-deta1.dgn	DRAWN -	REVISED -					600	60-(30,31,128)-1	WADSWORTH, CLAIR	399	136
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 76830				
	PLOT DATE = 8/25/2009	DATE -	REVISED -					SCALE:	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

# DETAIL SHEET

NOT TO SCALE



\*INDICATES ELIGIBLE FOR PAYMENT AS SELECT GRANULAR BACKFILL OTHERWISE INCIDENTAL TO THE PIPE.

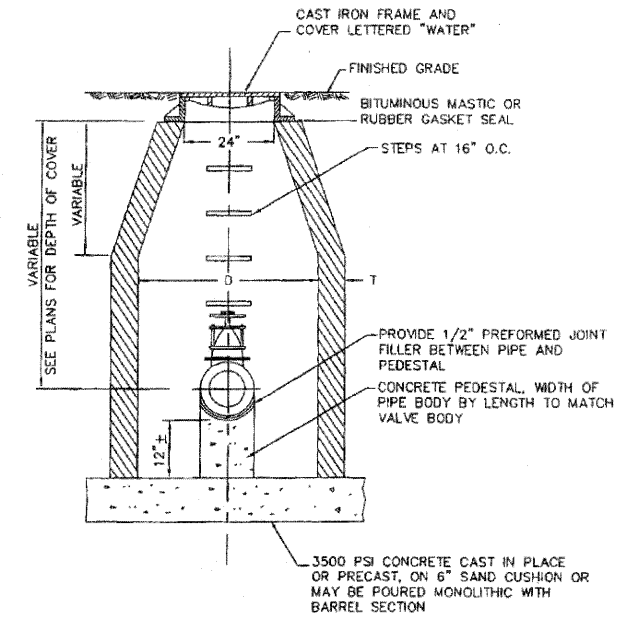
\*\*INDICATES ELIGIBLE FOR PAYMENT AS SELECT FOUNDATION MATERIAL.

NON RIGID CONDUITS ARE DEFINED AS FLEXIBLE THERMOPLASTIC PIPE AND/OR CORRUGATED METAL PIPE.

NOTE: TRENCH BOX SHALL NOT EXTEND BELOW TOP OF PIPE. HOWEVER IT SHALL NOT EXCEED 2 FEET FROM THE BOTTOM OF THE TRENCH.

TRENCH DETAIL

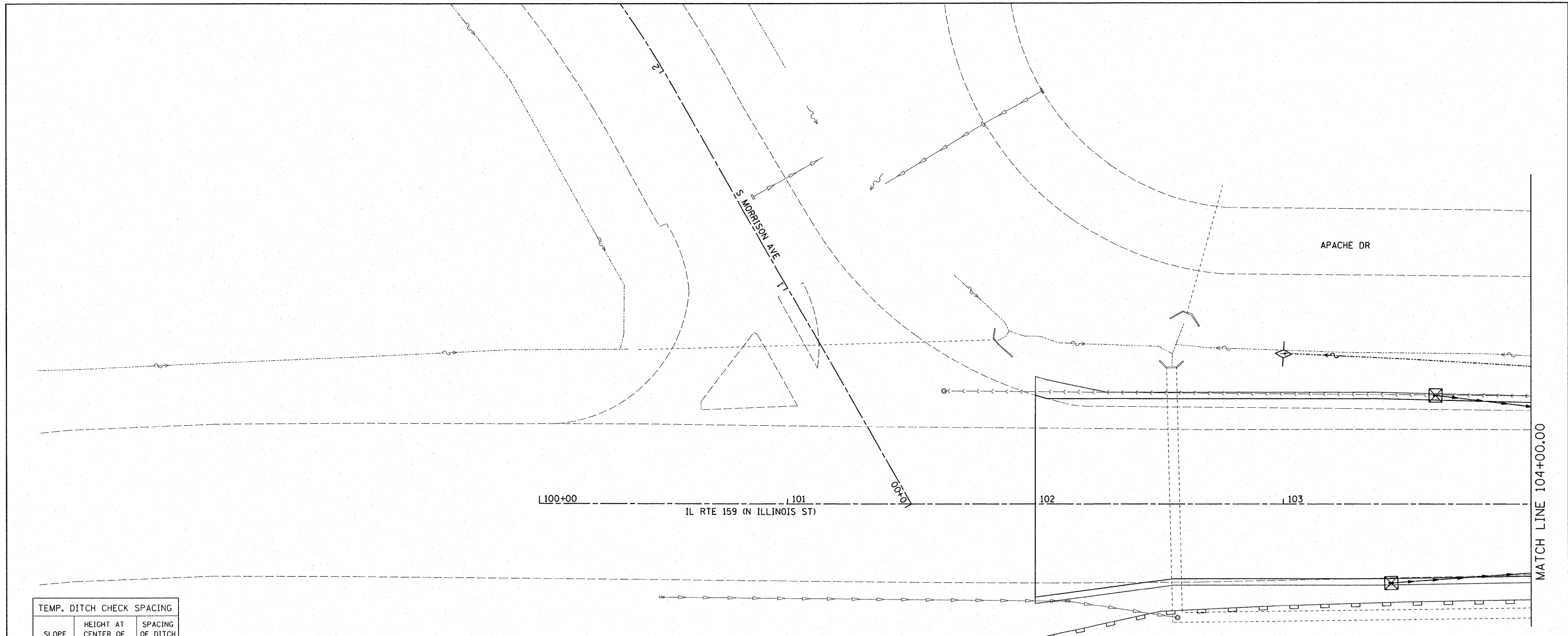
MATERIAL WALL THICKNESS (T)  
 PRECAST CONC. - MIN. 1/12 "D"  
 CAST-IN-PLACE CONC. MIN. 6"



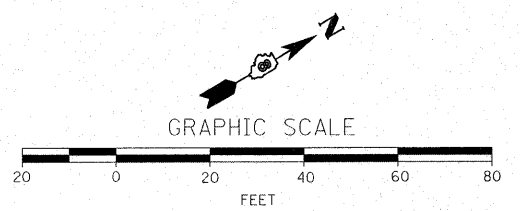
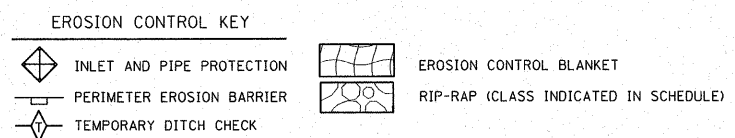
NOTE: VALVE VAULT DIA. SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.  
 D = DIAMETER OF MANHOLE

TYPICAL VALVE VAULT DETAIL

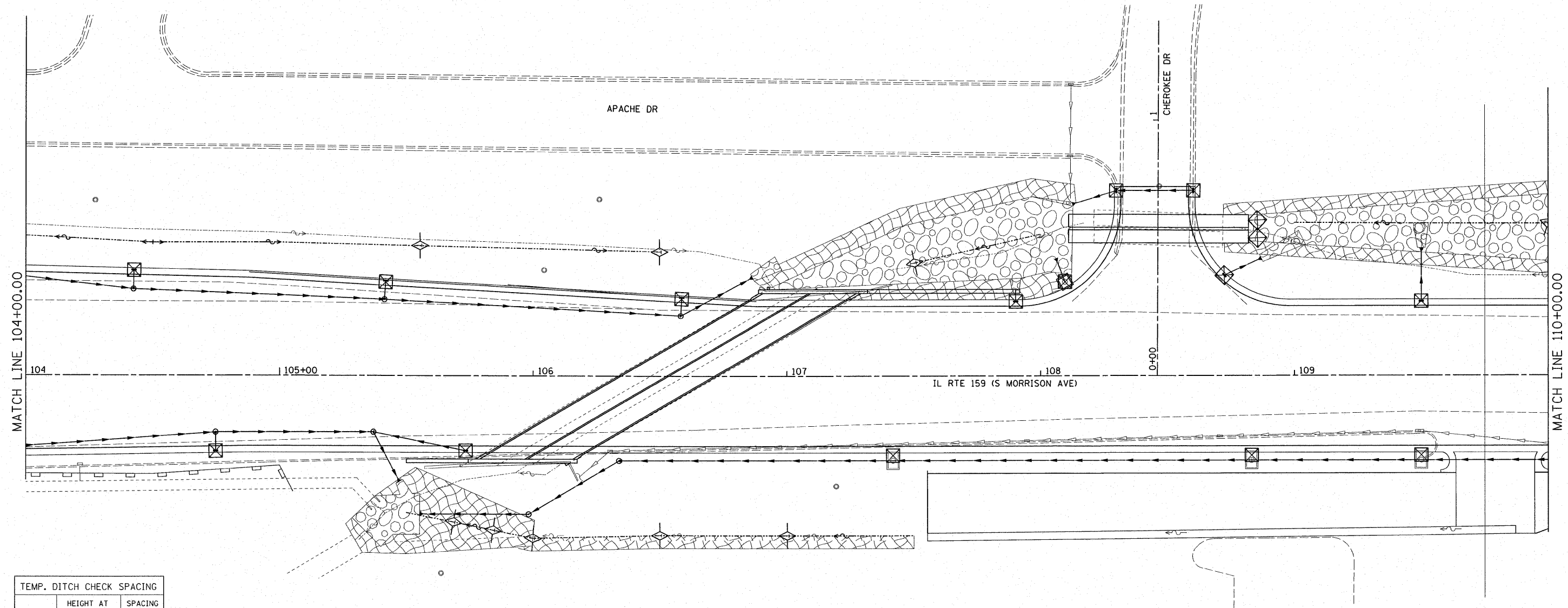
FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>UTILITY RELOCATION DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pa\projects\513501\cadd\dgn\0876830-sh1	drawn=details.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	WADSWORTH, CLAIR	399	137	
	PLOT SCALE = 28.0000 ' / IN.	CHECKED -	REVISED -			SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.		CONTRACT NO. 76830			
	PLOT DATE = 8/25/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



TEMP. DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195



FILE NAME = D876838-shr-eros-swppp.dgn	USER NAME = cha	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A.P. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 138
	PLOT SCALE = 1:20	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF SHEETS	STA. 100+00.00 TO STA. 104+00.00	CONTRACT NO. 76830		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 6/24/2009	CHECKED -	REVISED -									
		DATE -	REVISED -									

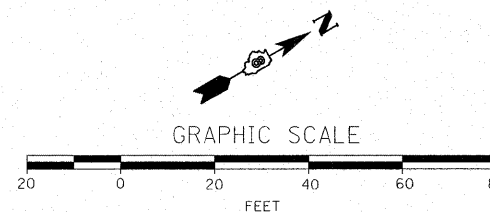


TEMP. DITCH CHECK SPACING

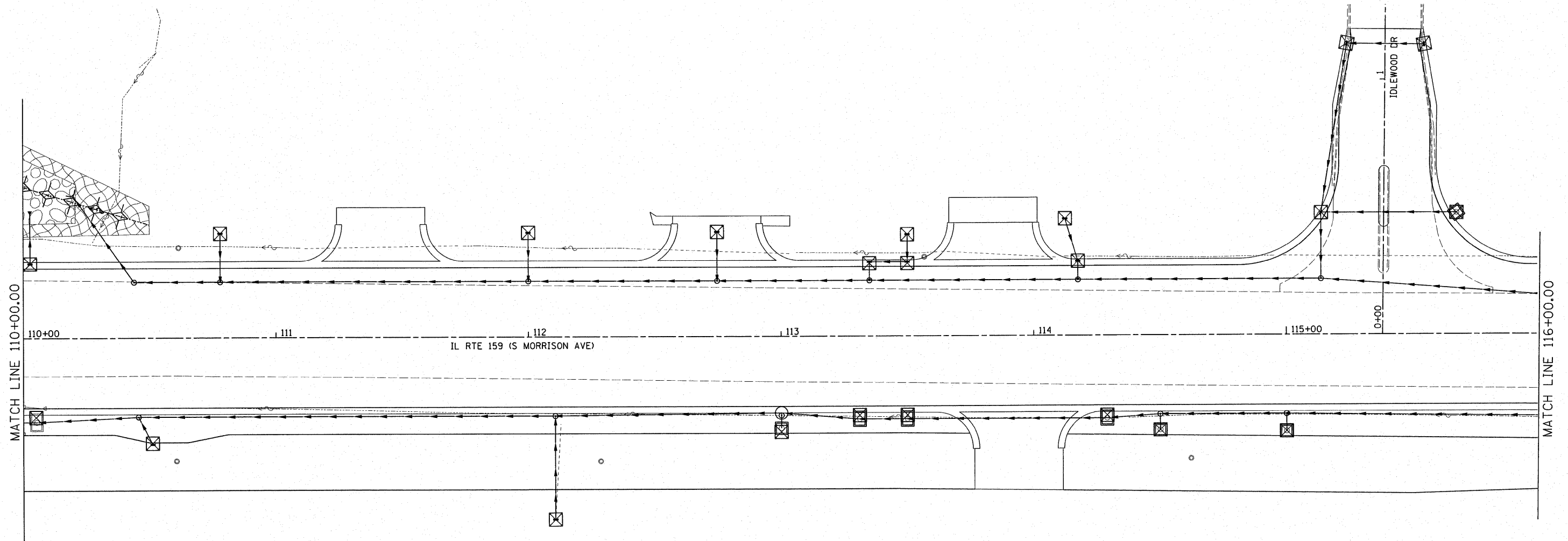
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

EROSION CONTROL KEY

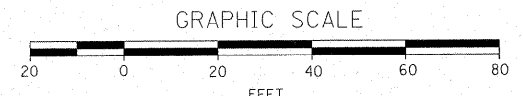
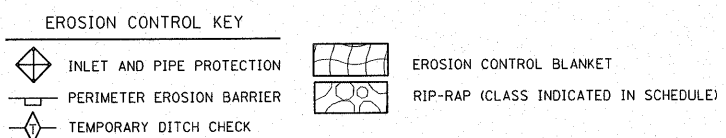
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- RIP-RAP (CLASS INDICATED IN SCHEDULE)



FILE NAME = 0876830-sht-eros-swppp.dgn	USER NAME = che	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 139
	PLOT SCALE = 1:20	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF SHEETS	STA. 104+00.00 TO STA. 110+00.00	CONTRACT NO. 76830		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -									
		DATE -	REVISED -									

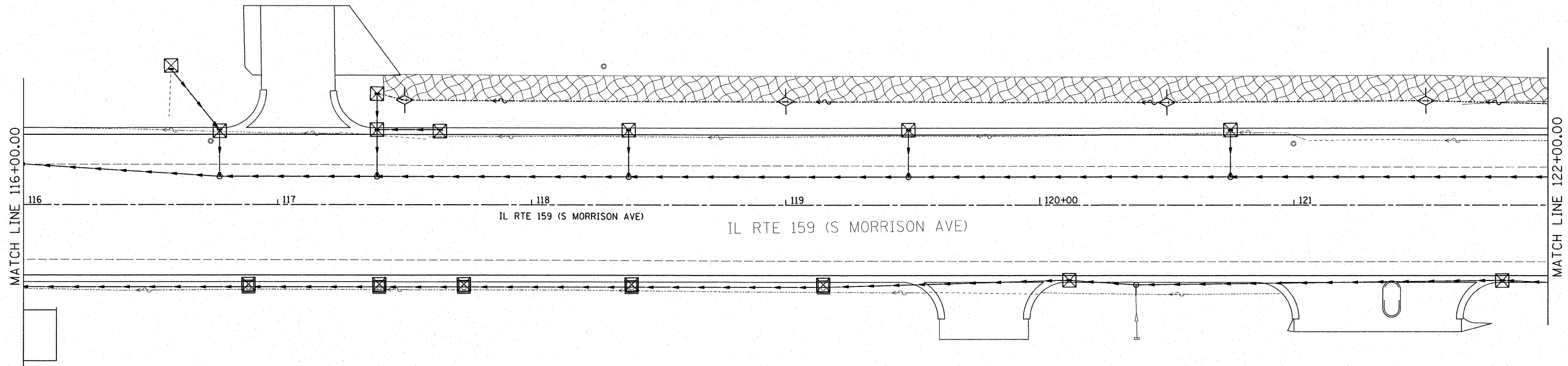


TEMP. DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195



FILE NAME = D876838-sht-eros-swppp.dgn	USER NAME = cha	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 140
	PLOT SCALE = 1:20	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF	SHEETS	STA. 110+00.00 TO STA. 116+00.00	CONTRACT NO. 76830			
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									






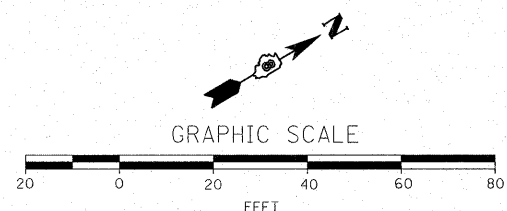


TEMP. DITCH CHECK SPACING

SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

EROSION CONTROL KEY

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK



FILE NAME = D876830-shr-eros-svppp.dgn

USER NAME = cha  
 PLOT SCALE = 1:20  
 PLOT DATE = 8/24/2009

DESIGNED -  
 DRAWN -

REVISED -  
 REVISED -  
 CHECKED -  
 DATE -

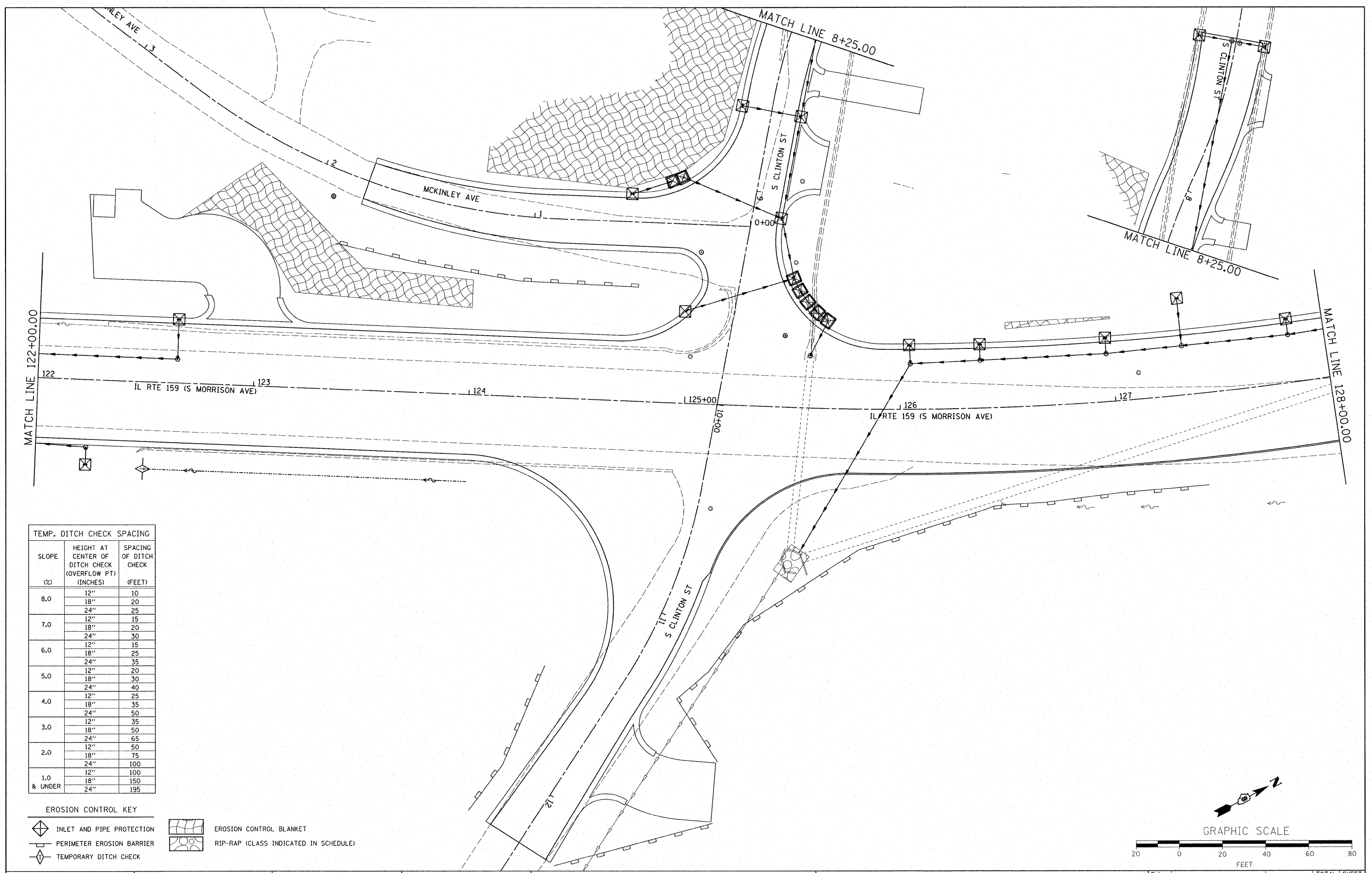
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1:20 SHEET NO. OF SHEETS STA. 116+00.00 TO STA. 122+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30.31.128)-1		399	141
CONTRACT NO. 76830				

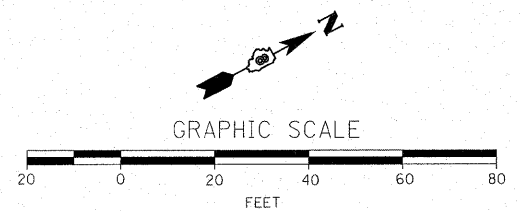
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT



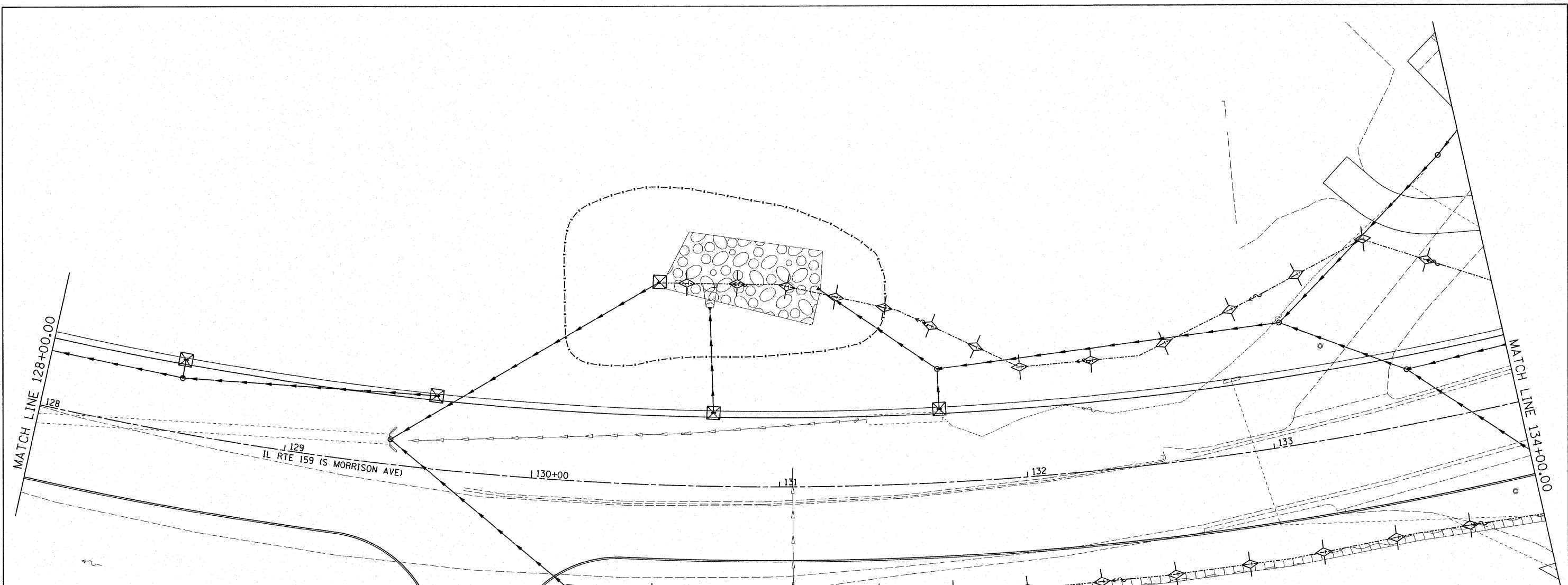
**TEMP. DITCH CHECK SPACING**

SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

- EROSION CONTROL KEY**
- INLET AND PIPE PROTECTION
  - PERIMETER EROSION BARRIER
  - TEMPORARY DITCH CHECK
  - EROSION CONTROL BLANKET
  - RIP-RAP (CLASS INDICATED IN SCHEDULE)








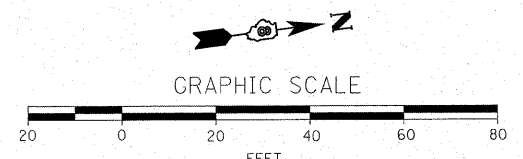
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PLOT SCALE = 1:20		DRAWN -				SCALE: 1:20		SHEET NO. OF SHEETS		CONTRACT NO. 76830	
PLOT DATE = 8/24/2009		CHECKED -				STA. 122+00.00 TO STA. 128+00.00		ILLINOIS FED. AID PROJECT			
		DATE = 8/24/2009				ILLINOIS FED. AID PROJECT					



TEMP. DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

**EROSION CONTROL KEY**

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  RIP-RAP (CLASS INDICATED IN SCHEDULE)



FILE NAME =  
 D876830-shr-eros-swppp.dgn

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 PLOT SCALE = 1:20  
 PLOT DATE = 8/24/2009

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 CHECKED -  
 DATE -

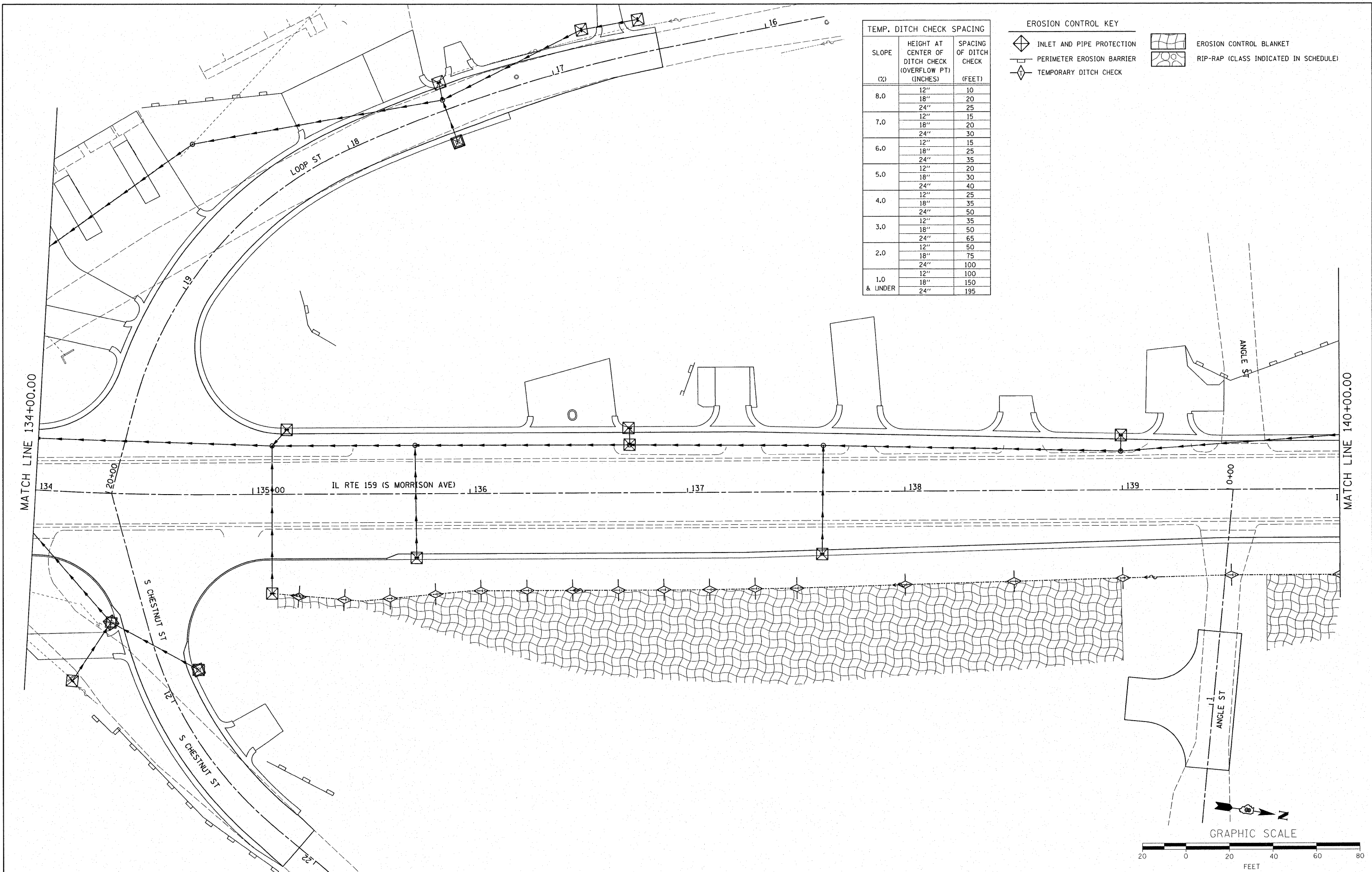
REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1:20 SHEET NO. OF SHEETS STA. 128+00.00 TO STA. 134+00.00

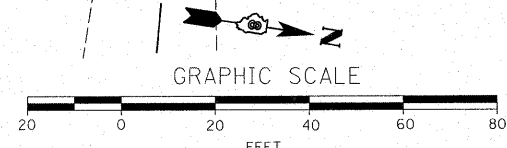
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30.31.128)-1		399	143
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76830		



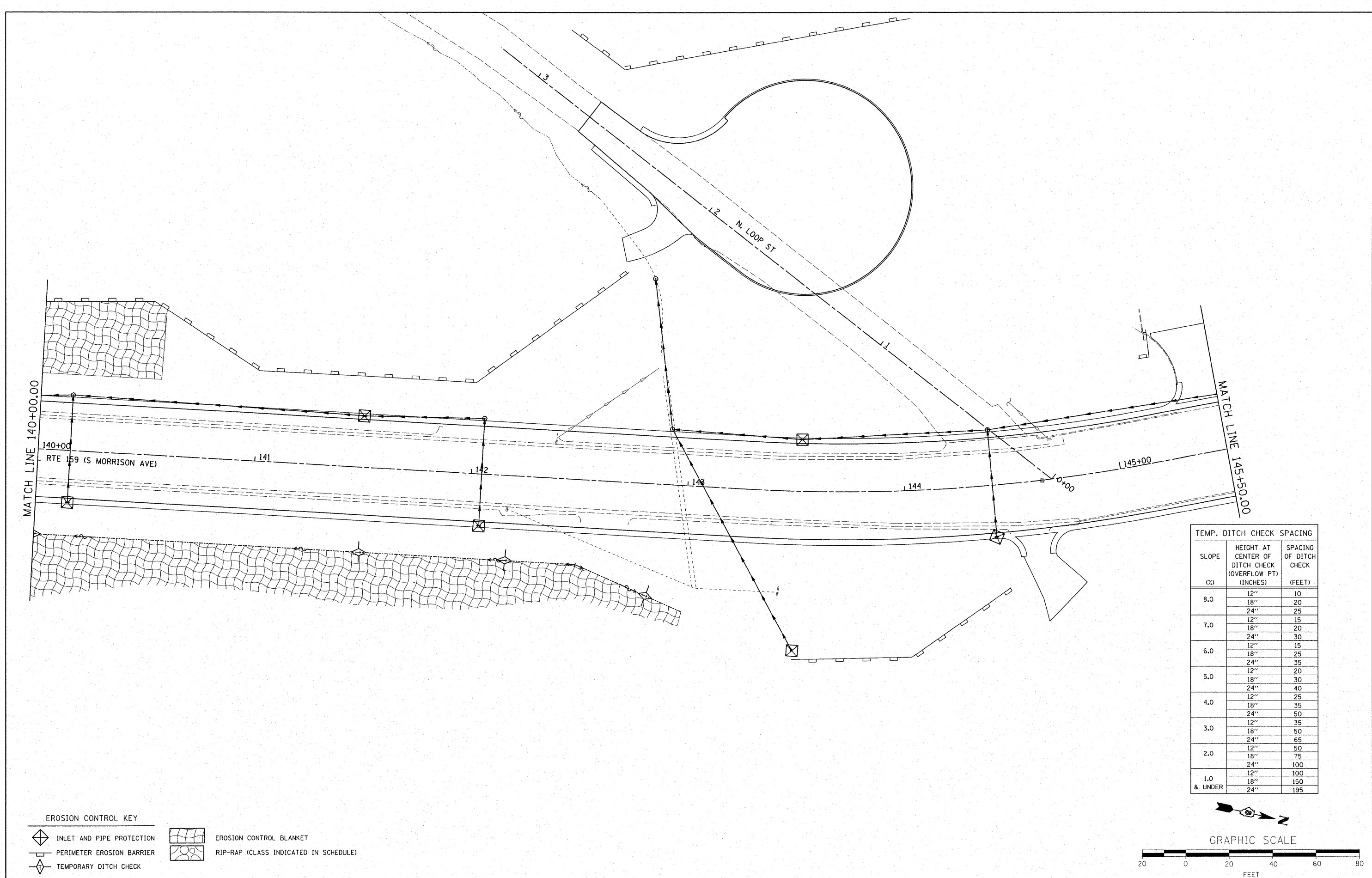
TEMP. DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

**EROSION CONTROL KEY**

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET
- RIP-RAP (CLASS INDICATED IN SCHEDULE)

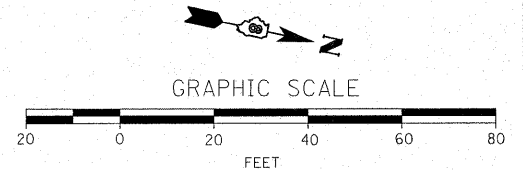


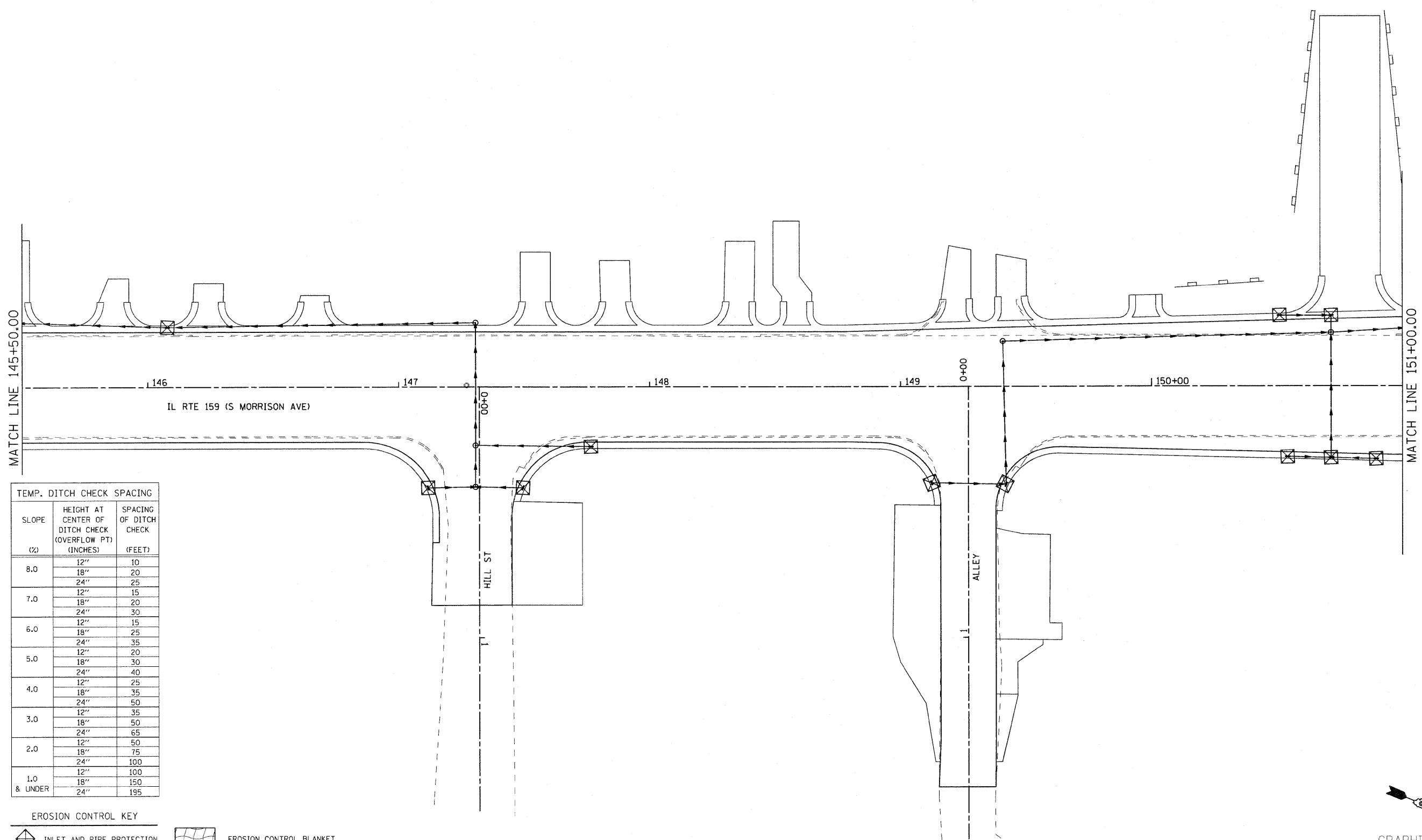
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	PLOT SCALE = 1:20	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF SHEETS	STA. 134+00.00 TO STA. 140+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76830		
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -									
		DATE -	REVISED -									



TEMP. DITCH CHECK SPACING		
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

- EROSION CONTROL KEY**
- INLET AND PIPE PROTECTION
  - PERIMETER EROSION BARRIER
  - TEMPORARY DITCH CHECK
  - EROSION CONTROL BLANKET
  - RIP-RAP (CLASS INDICATED IN SCHEDULE)








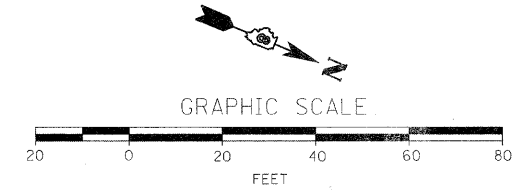


TEMP. DITCH CHECK SPACING

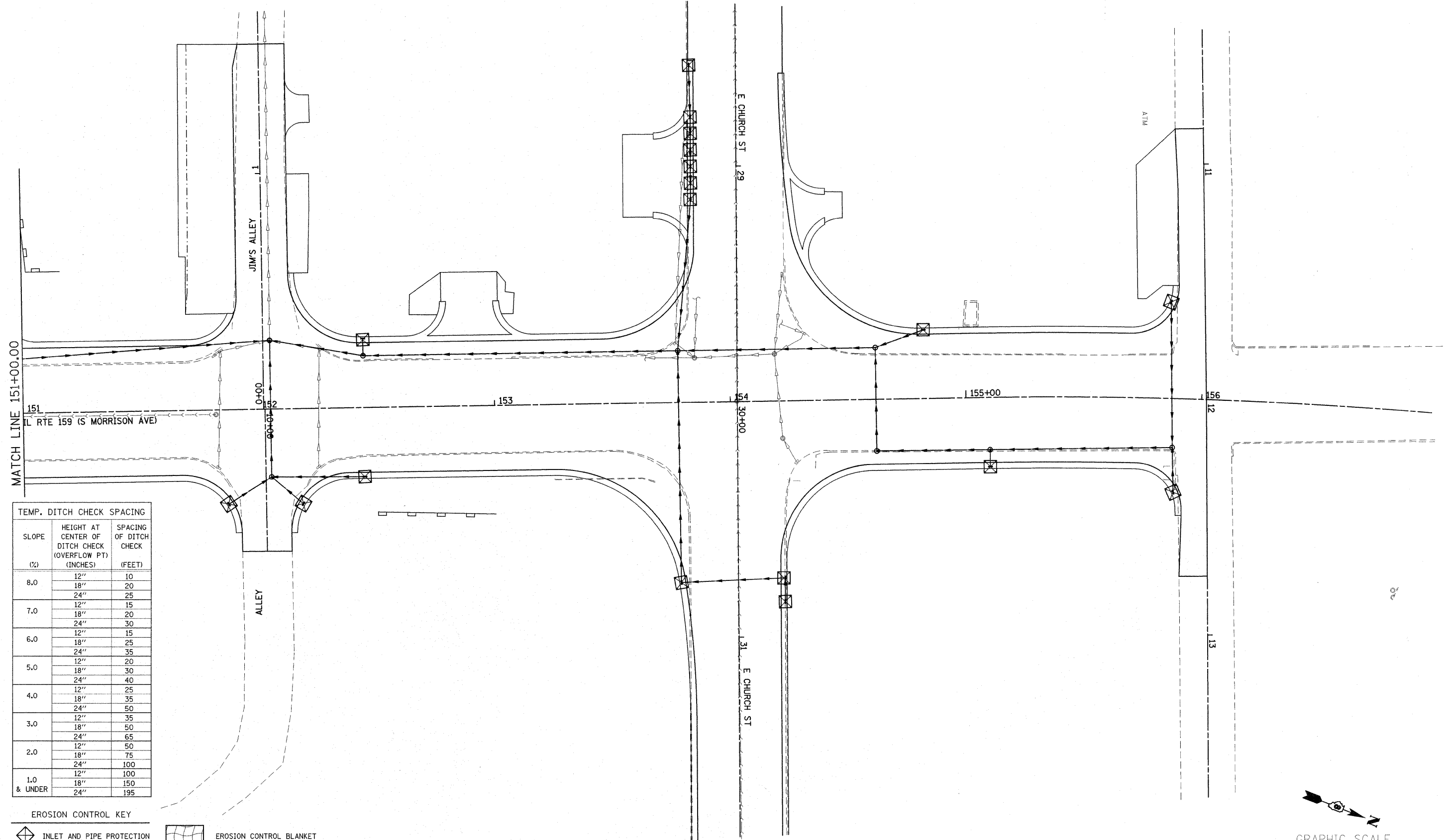
SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

EROSION CONTROL KEY

-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  RIP-RAP (CLASS INDICATED IN SCHEDULE)



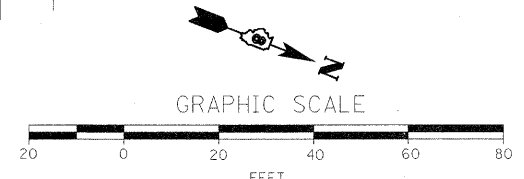
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#FILE#		DRAWN -	REVISED -		600	60-(30,31,128)-1		399	146			
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 1:20			CONTRACT NO. 76830				
	PLOT DATE = #DATE#	DATE -	REVISED -		SHEET NO. OF SHEETS STA. 145+50.00 TO STA. 151+00.00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TEMP. DITCH CHECK SPACING

SLOPE (%)	HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES)	SPACING OF DITCH CHECK (FEET)
8.0	12"	10
	18"	20
	24"	25
7.0	12"	15
	18"	20
	24"	30
6.0	12"	15
	18"	25
	24"	35
5.0	12"	20
	18"	30
	24"	40
4.0	12"	25
	18"	35
	24"	50
3.0	12"	35
	18"	50
	24"	65
2.0	12"	50
	18"	75
	24"	100
1.0 & UNDER	12"	100
	18"	150
	24"	195

- EROSION CONTROL KEY
- INLET AND PIPE PROTECTION
  - PERIMETER EROSION BARRIER
  - TEMPORARY DITCH CHECK
  - EROSION CONTROL BLANKET
  - RIP-RAP (CLASS INDICATED IN SCHEDULE)



FILE NAME = P:\Projects\51350\1\CADD\DN\0876830-sh...	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN</b>			F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 147
	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -		SCALE: 1:20	SHEET NO. OF	SHEETS	STA. 151+00.00 TO STA. 157+00.00	CONTRACT NO. 76830			
	PLOT DATE = 12/17/2009	CHECKED -	REVISED -									
		DATE -	REVISED -									

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE  
 PRINT NAME  
 DEPUTY DIRECTOR OF HIGHWAYS  
 REGION FIVE ENGINEER  
 TITLE  
 IL DEPT. OF TRANSPORTATION  
 AGENCY

*Mary C. Lamie*  
 SIGNATURE  
 10-15-09  
 DATE

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT IS LOCATED ALONG ILLINOIS ROUTE 159 IN MADISON AND ST. CLAIR COUNTIES FROM JUST SOUTH OF CHURCH STREET TO JUST NORTH OF SOUTH MORRISON AVENUE IN COLLINSVILLE, ILLINOIS.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THE INTENT OF THIS PROJECT IS TO WIDEN ILLINOIS ROUTE 159 ON BOTH SIDES TO PROVIDE ADDITIONAL LANES AND TO ADD CURB, GUTTER, AND STORM SEWER TO IMPROVE DRAINAGE.

THIS WORK CONSISTS OF RECONSTRUCTING THE PAVEMENT TO A 55' WIDTH, ELIMINATING THE EXISTING AGGREGATE SHOULDER AND IMPROVING THE ROADWAY TO AN URBAN SECTION.

IN ADDITION TO THE PAVEMENT WIDENING AND RECONSTRUCTION, THE IMPROVEMENTS INCLUDE EARTH EXCAVATION AND EMBANKMENT, THE CONSTRUCTION OF ENTRANCE APRONS AND SIDEWALKS ALONG 159 AS WELL AS ROAD IMPROVEMENTS TO SIDE ROADS.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

MILLING, EXCAVATION, AND EARTH FILL WILL BE DONE DURING PAVEMENT WIDENING.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE .17 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS .6 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.79

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIVITY:

GENERAL SUBSURFACE PROFILES WERE DEVELOPED ALONG THE PROPOSED ALIGNMENT. THE SOIL PROFILES CONSIST MAINLY OF SILT, SILT LOAM, SILTY CLAY AND SILTY CLAY LOAM. THE SOILS ENCOUNTERED ALONG THE SUBJECT CORRIDOR AS LISTED THROUGH THE NCRS SOIL SURVEY INCLUDE WAKELAND SILT LOAM, SYLVAN-BOLD SILT LOAMS, MENFRO-ORTHENTS-URBAN AND WINFIELD-ORHNETS-URBAN. VERY WEATHERED SHALE WAS ENCOUNTERED AT ONE LOCATION AS REFERENCED IN THE GEOTECH REPORT HEREBY INCLUDED AS A REFERENCE TO THIS SHEET. INDIVIDUAL BORING LOGS AND LOCATIONS OF THE BORINGS CAN ALSO BE FOUND IN THE GEOTECH REPORT.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSION AREAS ASSOCIATED WITH THIS PROJECT:

THE REQUIRED FACTOR OF SAFETY WAS MET AND SLOPE STABILITY IS NOT ANTICIPATED TO BE A PROBLEM ALONG THIS ALIGNMENT. SETTLEMENT IS CONSIDERED NEGLIGIBLE AND SHOULD HAVE LITTLE TO NO IMPACT ON THE ROADWAY. REFERENCE THE APPROVED ROADWAY GEOTECHNICAL REPORT FOR ADDITIONAL SUBSURFACE INFORMATION.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSION FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

SOILS WILL BE DISTURBED WITHIN THE CONSTRUCTION AREA TO THE EXTENT OF CONSTRUCTION OF SIDE SLOPES AND DITCHES. BETWEEN STATIONS 137+00 AND 139+00, CUT AND FILL HEIGHTS ARE GREATER THAN 15 FEET AND AT 2:1 SLOPES. SLOPE STABILITY IN THIS AREA WAS FOUND TO BE ADEQUATE.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

SEE THE FULL APPROVED DRAINAGE REPORT FOR A LIST OF THE RECEIVING WATERS.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> SOIL SEDIMENT             | <input type="checkbox"/> PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS) |
| <input checked="" type="checkbox"/> CONCRETE                  | <input type="checkbox"/> ANTIFREEZE / COOLANTS  |
| <input checked="" type="checkbox"/> CONCRETE TRUCK WASTE      | <input checked="" type="checkbox"/> WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT  |
| <input checked="" type="checkbox"/> CONCRETE CURING COMPOUNDS | <input type="checkbox"/> OTHER (SPECIFY).....   |
| <input type="checkbox"/> SOLID WASTE DEBRIS                   | <input type="checkbox"/> OTHER (SPECIFY).....   |
| <input checked="" type="checkbox"/> PAINTS                    | <input type="checkbox"/> OTHER (SPECIFY).....   |
| <input type="checkbox"/> SOLVENTS                             | <input type="checkbox"/> OTHER (SPECIFY).....   |
| <input checked="" type="checkbox"/> FERTILIZERS / PESTICIDES  | <input type="checkbox"/> OTHER (SPECIFY).....   |

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN I(A)(1)(a) AND I(A)(1)(b), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

a. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> PRESERVATION OF MATURE VEGETATION | <input checked="" type="checkbox"/> EROSION CONTROL BLANKET / MULCHING |
| <input type="checkbox"/> VEGETATED BUFFER STRIPS                      | <input type="checkbox"/> SODDING                                       |
| <input checked="" type="checkbox"/> PROTECTION OF TREES               | <input type="checkbox"/> GEOTEXTILES                                   |
| <input checked="" type="checkbox"/> TEMPORARY EROSION CONTROL SEEDING | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY TURF (SEEDING, CLASS 7)            | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY MULCHING                           | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input checked="" type="checkbox"/> PERMANENT SEEDING                 | <input type="checkbox"/> OTHER (SPECIFY).....                          |

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

ALTHOUGH SOME TREES WILL BE REQUIRED TO BE REMOVED IN ORDER TO ALLOW FOR CONSTRUCTION ACTIVITY, EXCAVATION, AND EMBANKMENT, EXISTING VEGETATION AND TREES THAT ARE NOT MARKED TO BE REMOVED ON THE LANDSCAPE PLAN SHALL BE PROTECTED AND PRESERVED, UNLESS OTHERWISE DEEMED NECESSARY FOR REMOVAL PER THE ENGINEER. TEMPORARY EROSION CONTROL SEEDING WILL BE UTILIZED AS DENOTED IN THE STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION. PERMANENT SEEDING WILL BE DONE AFTER COMPLETION OF CONSTRUCTION ACTIVITIES. THE INTENT OF THESE STABILIZATION PRACTICES IS TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS SOON AS POSSIBLE. EROSION CONTROL BLANKET WILL BE PLACED ON ALL SIDE SLOPES GREATER THAN 3:1. TEMPORARY CONTROLS WILL BE IMPLEMENTED AS SOON AS PRACTICABLE.

PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> PERIMETER EROSION BARRIER    | <input type="checkbox"/> ROCK OUTLET PROTECTION  |
| <input checked="" type="checkbox"/> TEMPORARY DITCH CHECK        | <input checked="" type="checkbox"/> RIPRAP       |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION | <input type="checkbox"/> GABIONS                 |
| <input type="checkbox"/> SEDIMENT TRAP                           | <input type="checkbox"/> SLOPE MATTRESS          |
| <input type="checkbox"/> TEMPORARY PIPE SLOPE DRAIN              | <input type="checkbox"/> RETAINING WALLS         |
| <input type="checkbox"/> TEMPORARY SEDIMENT BASIN                | <input type="checkbox"/> SLOPE WALLS             |
| <input type="checkbox"/> TEMPORARY STREAM CROSSING               | <input type="checkbox"/> CONCRETE REVETMENT MATS |
| <input type="checkbox"/> STABILIZED CONSTRUCTION EXITS           | <input type="checkbox"/> LEVEL SPREADERS         |
| <input type="checkbox"/> TURF REINFORCEMENT MATS                 | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PERMANENT CHECK DAMS                    | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PERMANENT SEDIMENT BASIN                | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> AGGREGATE DITCH                         | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PAVED DITCH                             | <input type="checkbox"/> OTHER (SPECIFY).....    |

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

INLET AND PIPE PROTECTION WILL BE PLACED AT THE UPSTREAM END OF PIPE CULVERTS AND AT ALL PROPOSED INLETS TO PROTECT FROM SEDIMENTATION DUE TO EARTH EXCAVATION AND EMBANKMENT ACTIVITIES (SEE PLAN SCHEDULE OF QUANTITIES AND EROSION CONTROL PLAN SHEETS.) RIPRAP WILL BE PLACED AT THE DISCHARGE LOCATION OF ALL PIPES AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL THAT CARRIES WATER HAVING A VELOCITY GREAT ENOUGH TO ERODE DOWNSTREAM SOILS. SEE THE EROSION CONTROL PLANS FOR LOCATIONS WHERE RIPRAP WILL BE REQUIRED.

PERIMETER EROSION CONTROL BARRIER WILL BE UTILIZED IN PLACES WHERE SEDIMENTATION MAY ESCAPE THE RIGHT-OF-WAY (SEE THE EROSION CONTROL PLAN FOR LOCATIONS.)

TEMPORARY DITCH CHECKS WILL BE PLACED AS INDICATED IN THE EROSION CONTROL PLAN.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

FILE NAME = 0876830-shr-swppp.dgn	USER NAME = cha	DESIGNED - CHA	REVISED - 4-20-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SWPPP PLAN</b>				F.A. RTE. 600	SECTION 60-(30.31.128)-1	COUNTY	TOTAL SHEETS 399	SHEET NO. 147A
	PLOT SCALE = 1:500	DRAWN - CHA	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 76830			
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE - 8-23-09	REVISED -										



3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).  
THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

RIPRAP AND EROSION CONTROL BLANKET WILL BE PLACED IN DITCHES AT LOCATIONS SHOWN IN THE PLANS TO PROVIDE CHANNEL STABILITY. RIPRAP WILL ALSO BE PLACED AT CULVERT OUTLETS AS NECESSARY TO CONTROL VELOCITY AND AS INDICATED IN THE EROSION CONTROL PLAN.

4. OTHER CONTROLS:

- a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.

- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:

- PERIMETER EROSION BARRIER
- TEMPORARY SEEDING
- TEMPORARY MULCH
- PLASTIC COVERS
- SOIL BINDERS
- STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

AS INDICATED BY THE EPA.

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

TEMPORARY DITCH CHECKS, PIPE AND INLET PROTECTION DEVICES, AND PERIMETER EROSION CONTROL BARRIERS SHALL HAVE THE SEDIMENT REMOVED OR SHALL BE REPLACED AS INDICATED BY THE ENGINEER. TEMPORARY SEEDING FOR EROSION CONTROL SHALL BE CONTINUOUSLY IMPLEMENTED AS DIRECTED BY THE ENGINEER.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE I.E.P.A. FIELD OPERATIONS SECTION OFFICE BY EMAIL OF: [epg.swnoncomp@illinois.gov](mailto:epg.swnoncomp@illinois.gov), TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NON-COMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENCE OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (SHE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:






1. CONTAINMENT
2. SPILL PREVENTION AND CONTROL
3. USE OF DRIP PANS AND ABSORBENTS
4. AUTOMATIC SHUT-OFF NOZZLES
5. TOPPING OFF RESTRICTIONS
6. LEAK INSPECTION AND REPAIR

- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

LEGEND

-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

FILE NAME = D876830-shf-swppp.dgn	USER NAME = cha	DESIGNED - CHA	REVISED - 4-20-09	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SWPPP PLAN</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	PLOT SCALE = 1:50	DRAWN - CHA	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	600	60-(30.31,128)-1	399	147B			
	PLOT DATE = 8/24/2009	CHECKED -	REVISED -						CONTRACT NO. 76830								
												FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

**SEQUENCE OF CONSTRUCTION**

**STAGE I HIGHWAY - SHORT TERM PAVEMENT CONSTRUCTION**

1. SHIFT TRAFFIC TO STAGE I TRAFFIC CONFIGURATION.
2. REMOVE EXISTING CURBS AND GUTTERS ON EAST SIDE OF ROADWAY NECESSARY FOR CONSTRUCTION OF TEMPORARY HMA BINDER AND SURFACE.
3. CONSTRUCT CURB & GUTTER FROM STA. 102+00 TO STA. 106+94 ON NORTHBOUND LANES.
4. REMOVE AND REPLACE TRIPLE BOX CULVERT UNDER EXISTING NORTHBOUND LANES.
5. ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
6. MAINTAIN TWO WAY TRAFFIC ON SIDEROADS OVERNIGHT, MAY REDUCE TO ONE LANE DURING CONSTRUCTION OPERATIONS. (SEE SPECIAL PROVISIONS)
7. STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED.
8. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE THROUGHOUT THE STAGE CONSTRUCTION.

**STAGE II HIGHWAY - WIDENING/RESURFACING**

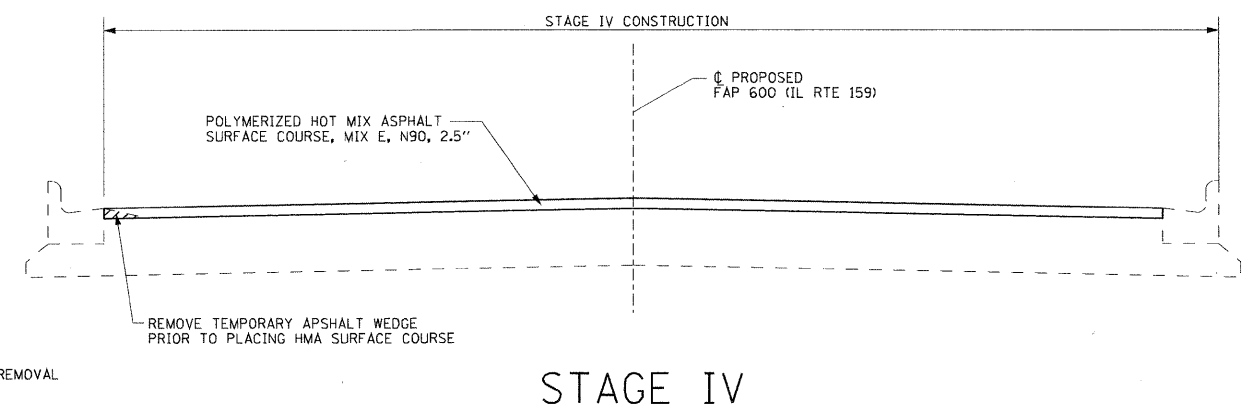
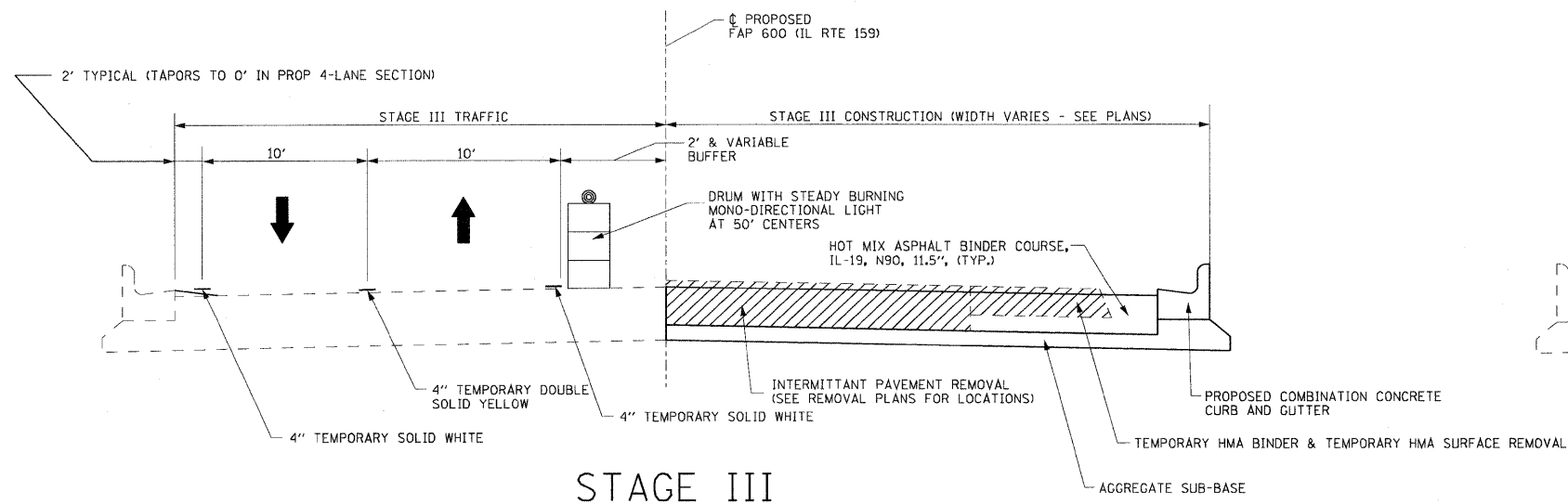
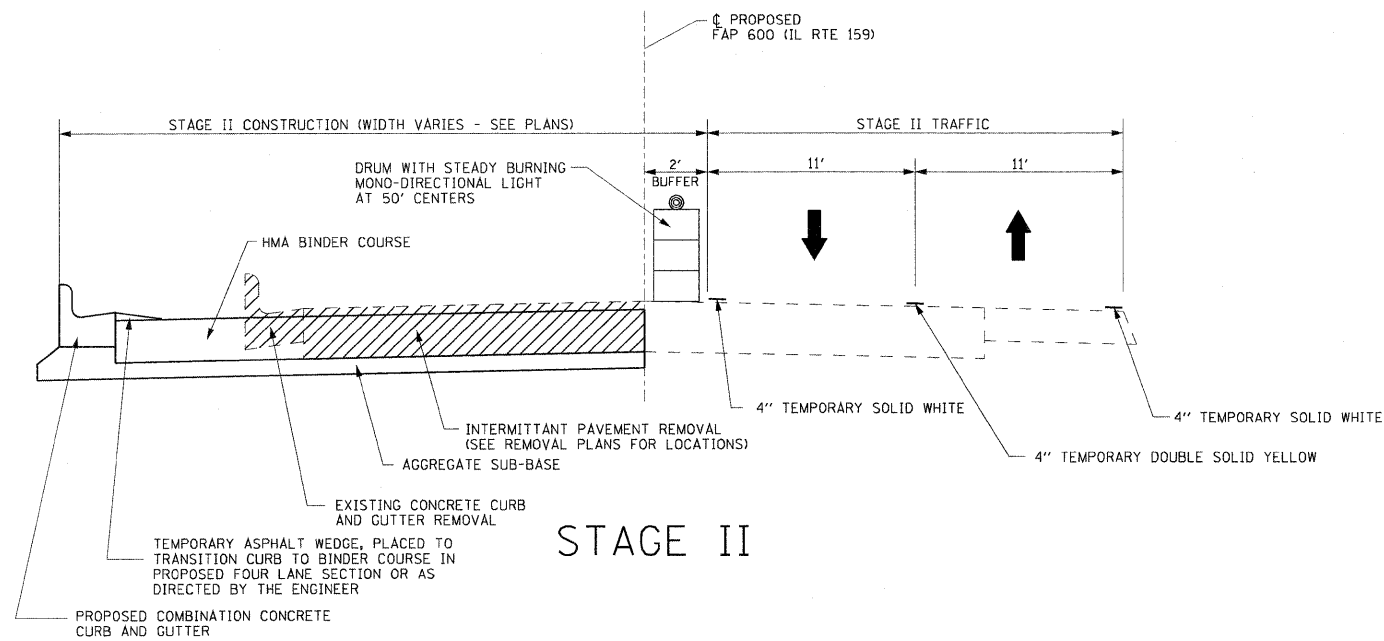
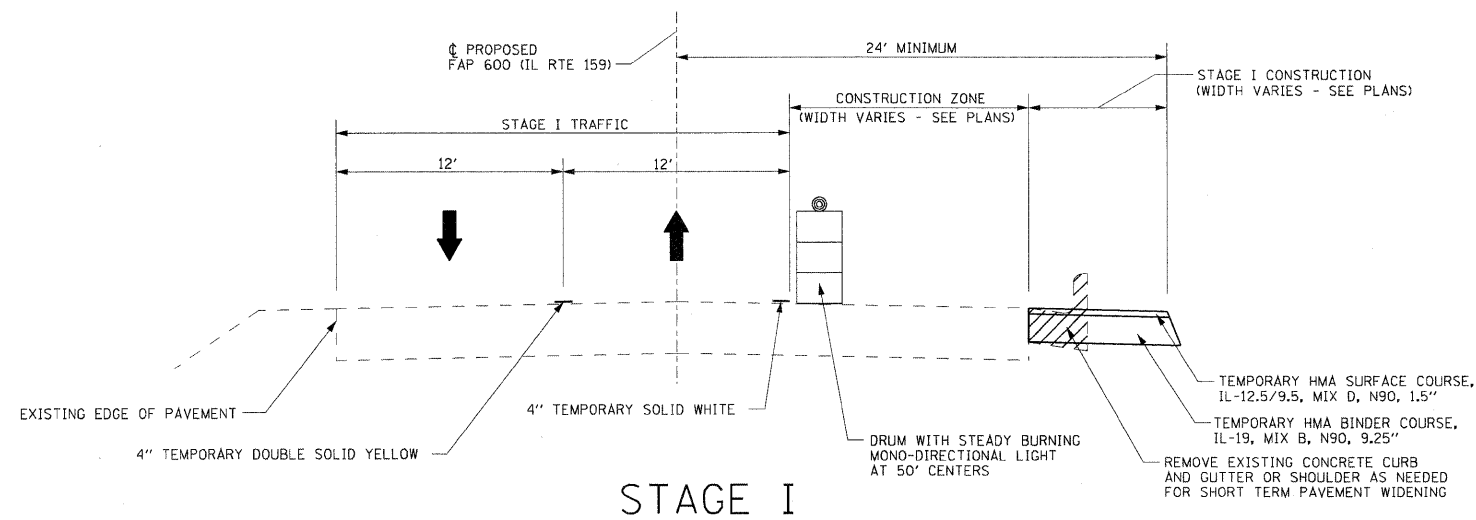
1. SHIFT TRAFFIC TO STAGE II TRAFFIC CONFIGURATION.
2. REMOVE EXISTING CURBS AND GUTTERS ON WEST SIDE OF IL 159.
3. REMOVE EXISTING PAVEMENT AS NECESSARY FOR STAGE II CONSTRUCTION. REMOVE AND REPLACE UTILITIES AS REQUIRED (INCLUDING SANITARY AND STORM SEWER)
4. REPLACE TRIPLE BOX CULVERT UNDER EXISTING SOUTHBOUND LANES AND OTHER DRAINAGE STRUCTURES TO PROPOSED ELEVATIONS.
5. CONSTRUCT NEW CURB AND GUTTERS.
6. PLACE HMA BINDER FOR WEST HALF OF PROPOSED PAVEMENT, ENTRANCES AND SIDEROADS, MAINTAINING TWO WAY TRAFFIC ON SIDEROADS OVERNIGHT, MAY REDUCE TO ONE LANE DURING CONSTRUCTION OPERATIONS. (SEE SPECIAL PROVISIONS)
7. PLACE TEMPORARY ASPHALT WEDGE AT WEST EDGE OF PAVEMENT FROM STA. 138+70 TO STA. 150+10 OR AS DIRECTED BY THE ENGINEER.
8. ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES EXCEPT WHERE NOTED.
9. STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR.
10. PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR.
11. COMPLETE STAGE II CONSTRUCTION INCLUDING ALL BITUMINOUS PAVEMENT EXCEPT SURFACE COURSE.

**STAGE III HIGHWAY - WIDENING/RESURFACING**

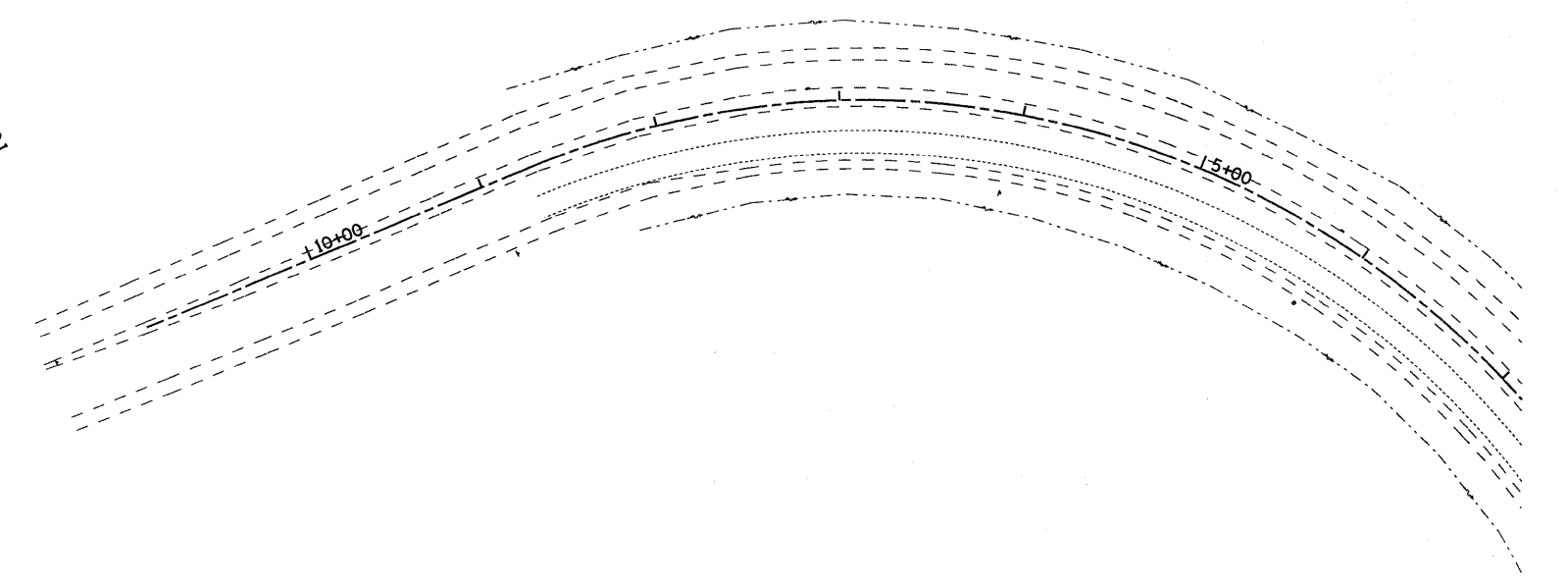
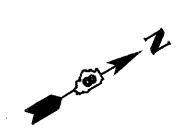
1. SHIFT TRAFFIC TO STAGE III TRAFFIC CONFIGURATION.
2. REMOVE REMAINING CURBS & GUTTERS AND SHOULDERS ON EAST HALF OF ROADWAY, ALLOWING ACCESS TO SIDEROADS AND ENTRANCES THROUGH PHASING OF PAVEMENT REMOVAL AND REPLACEMENT.
3. REMOVE SHORT TERM PAVEMENT PLACED IN STAGE I AND ORIGINAL PAVEMENT.
4. CONSTRUCT UTILITIES AS REQUIRED (INCLUDING STORM AND SANITARY SEWERS)
5. CONSTRUCT NEW CURB AND GUTTER AND DRAINAGE STRUCTURES TO PROPOSED ELEVATIONS.
6. PLACE HMA BINDER FOR WEST HALF OF PROPOSED ROADWAY PAVEMENT, ENTRANCES AND SIDEROADS, MAINTAINING TWO WAY TRAFFIC ON SIDEROADS OVERNIGHT, MAY REDUCE TO ONE LANE DURING CONSTRUCTION OPERATIONS. (SEE SPECIAL PROVISIONS)
7. ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES EXCEPT WHERE NOTED.
8. STOP SIGNS AND STREET SIGNS AT SIDEROADS SHALL BE ADJUSTED AND MAINTAINED BY THE CONTRACTOR.
9. PROPER DRAINAGE SHALL BE MAINTAINED BY THE CONTRACTOR.
10. COMPLETE STAGE III CONSTRUCTION INCLUDING ALL BITUMINOUS PAVEMENT EXCEPT SURFACE COURSE.

**STAGE IV HIGHWAY - SURFACE COURSE**

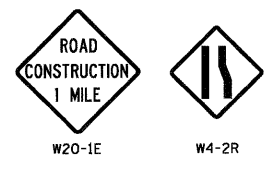
1. SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL BINDER COURSE HAS BEEN PLACED FOR THE ENTIRE SECTION.
2. MAINTAIN TRAFFIC ON THE EXISTING PAVEMENT, RELOCATING TRAFFIC AS NECESSARY FOR PAVING OPERATIONS.
3. SURFACE COURSE AND FINAL PAVEMENT MARKINGS SHALL BE CONSTRUCTED UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701602.



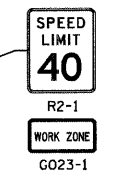
FILE NAME = P:\Projects\51350\1\CA00\0876830-sh	USER NAME = default staging1.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS</b>			F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON/ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 148
								SCALE: 1" = 50'	SHEET NO. 1 OF 6 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 76830	
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



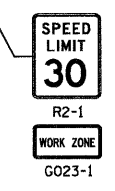
1. CONTRACTOR SHALL ADJUST LOCATION OF ADVANCED WARNING SIGNS AS DIRECTED BY THE ENGINEER.
2. IN ADDITION TO SIGNS SHOWN, ALL SIDEROADS SHALL HAVE "ROAD CONSTRUCTION AHEAD" SIGNS. THE COST SHALL BE INCLUDED IN THE TRAFFIC CONTROL STANDARDS FOR THE PROJECT.



END CONSTRUCTION G20-2 PHASE I & II



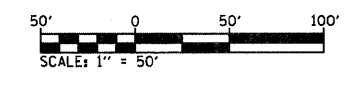
TRAFFIC DRUMS @ 20' SPACING



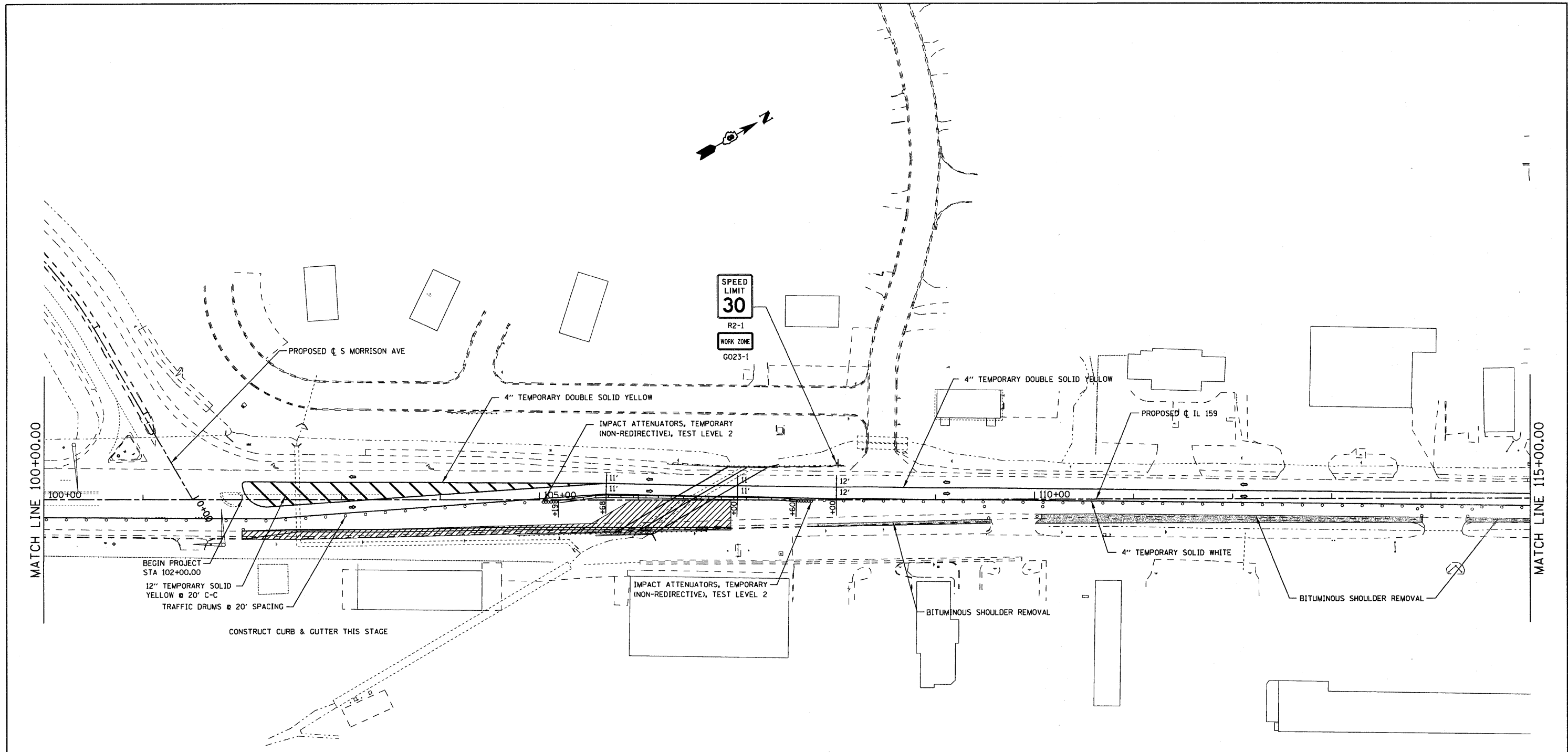
4" TEMPORARY SOLID WHITE

MATCH LINE 100+00.00

LEGEND	
DIRECTION OF TRAFFIC	⇨
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 1</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pa\projects\513581\cadd\dgn\0876830-sh	staging1.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET NO. 2	OF 6 SHEETS	STA. N/A	TO STA. 100+00.00	600	60-(30,31,128)-1	WADSWORTH, CLAIR	399	149
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -									CONTRACT NO. 76830		
	PLOT DATE = 8/25/2009	DATE -	REVISED -							FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SPEED LIMIT  
30  
R2-1  
WORK ZONE  
G023-1

MATCH LINE 100+00.00

MATCH LINE 115+00.00

BEGIN PROJECT  
STA 102+00.00  
12" TEMPORARY SOLID  
YELLOW @ 20' C-C  
TRAFFIC DRUMS @ 20' SPACING

CONSTRUCT CURB & GUTTER THIS STAGE

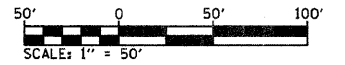
IMPACT ATTENUATORS, TEMPORARY  
(NON-REDIRECTIVE), TEST LEVEL 2

BITUMINOUS SHOULDER REMOVAL

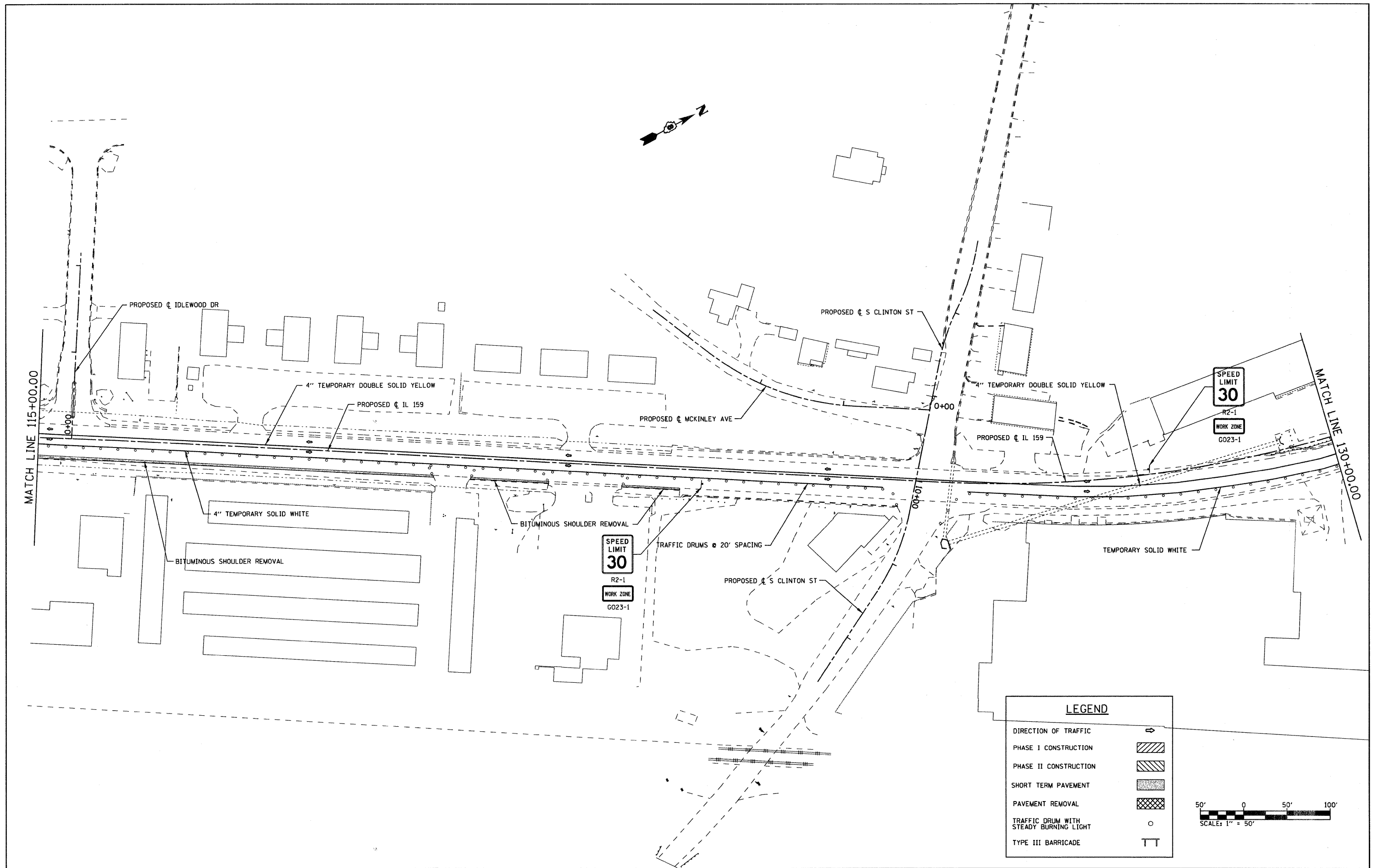
4" TEMPORARY SOLID WHITE

BITUMINOUS SHOULDER REMOVAL

LEGEND	
DIRECTION OF TRAFFIC	↔
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT

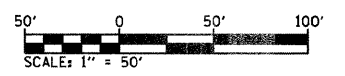


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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET NO. 3 OF 6 SHEETS	STA. 100+00.00 TO STA. 115+00.00	CONTRACT NO. 76830				
	PLOT DATE = 8/25/2009	DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							

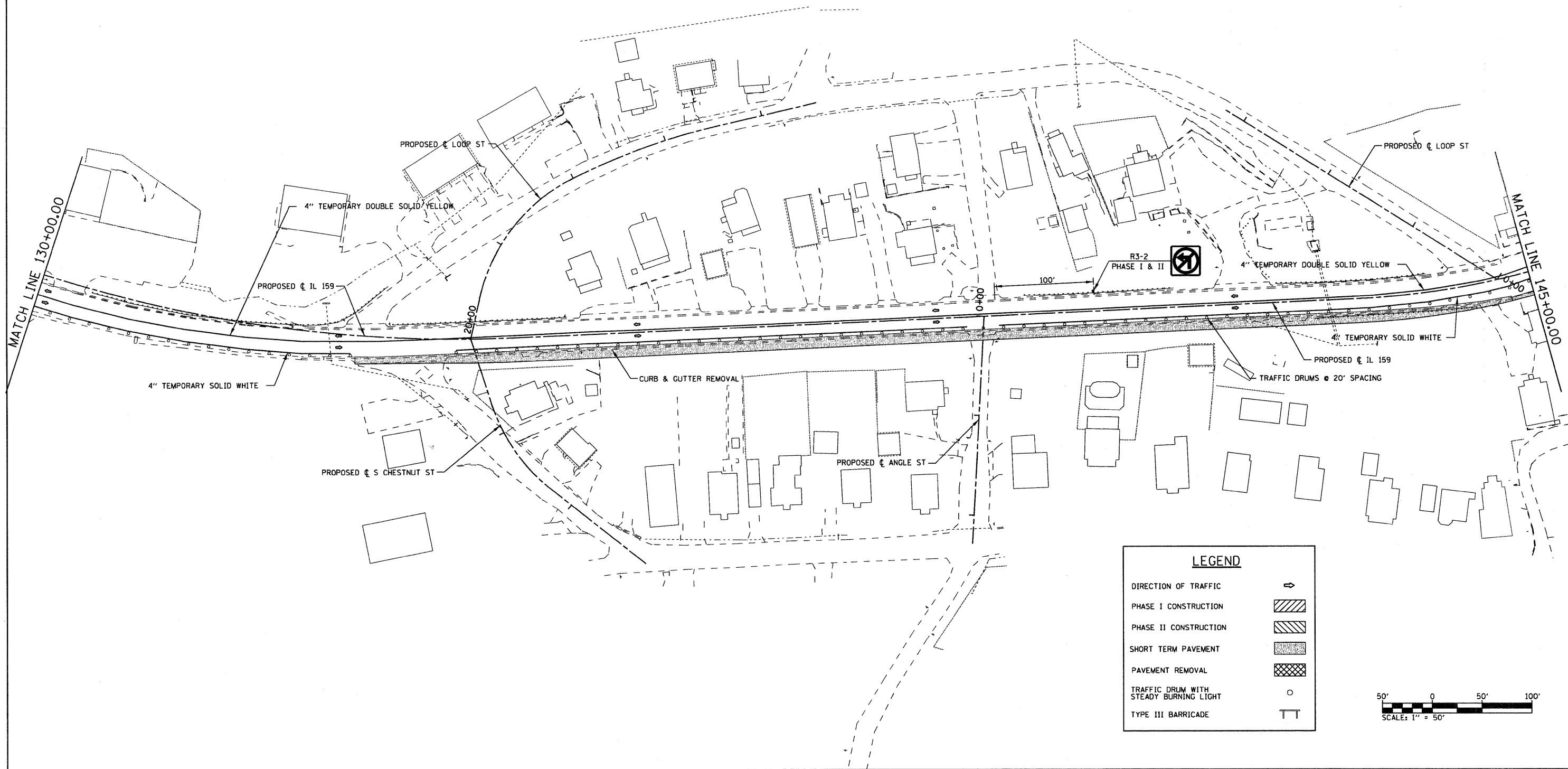


**LEGEND**

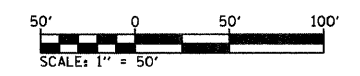
DIRECTION OF TRAFFIC	→
PHASE I CONSTRUCTION	[Hatched pattern]
PHASE II CONSTRUCTION	[Diagonal hatched pattern]
SHORT TERM PAVEMENT	[Stippled pattern]
PAVEMENT REMOVAL	[Cross-hatched pattern]
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



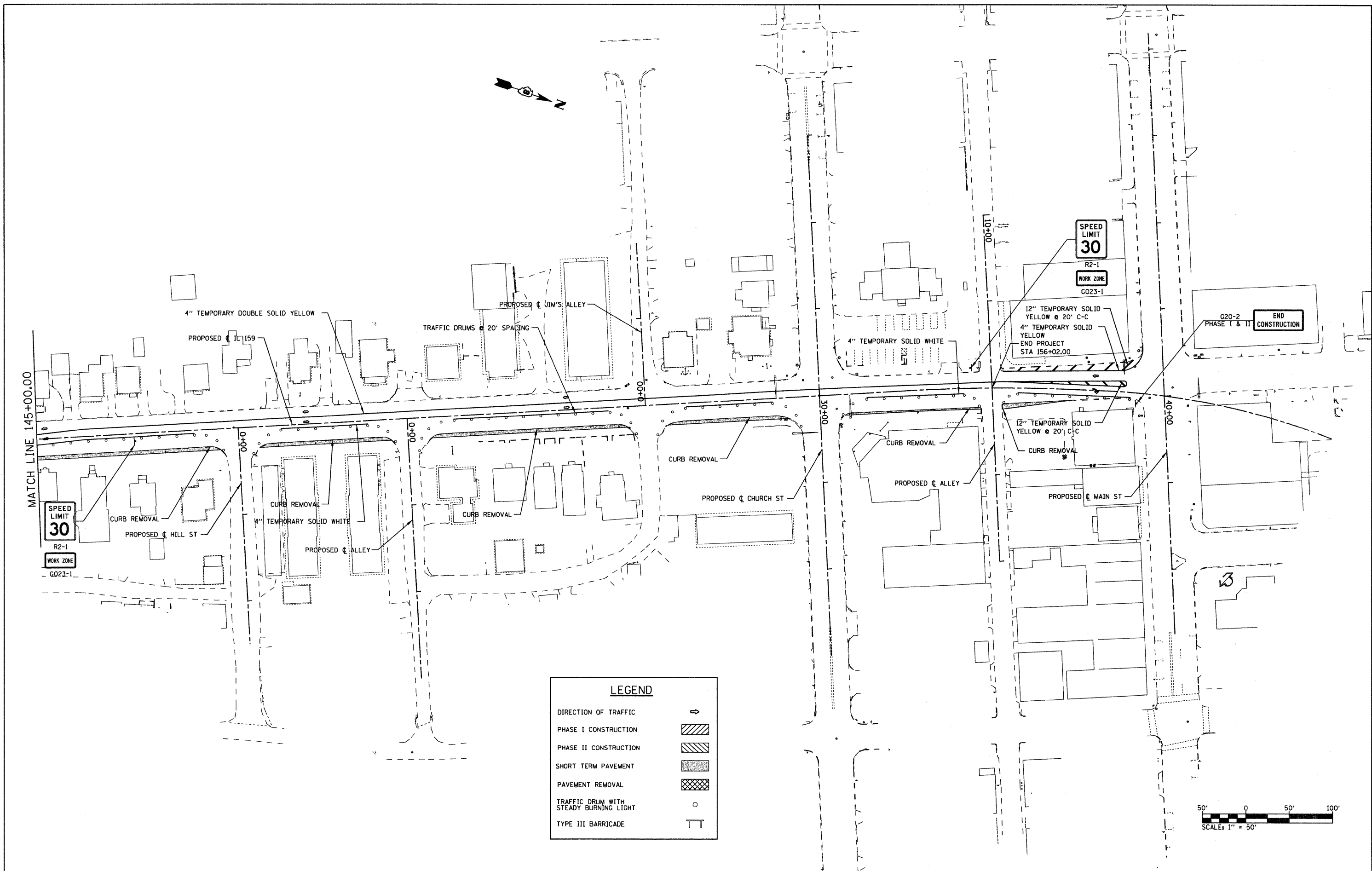
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PLOT SCALE = 50.0000' / IN.					CHECKED -	SCALE: 1" = 50'	SHEET NO. 4 OF 6 SHEETS	STA. 115+00.00 TO STA. 130+00.00	CONTRACT NO. 76830			
PLOT DATE = 8/25/2009					DATE -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
					REVISED -							



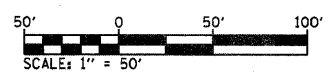
LEGEND	
DIRECTION OF TRAFFIC	
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	
TYPE III BARRICADE	



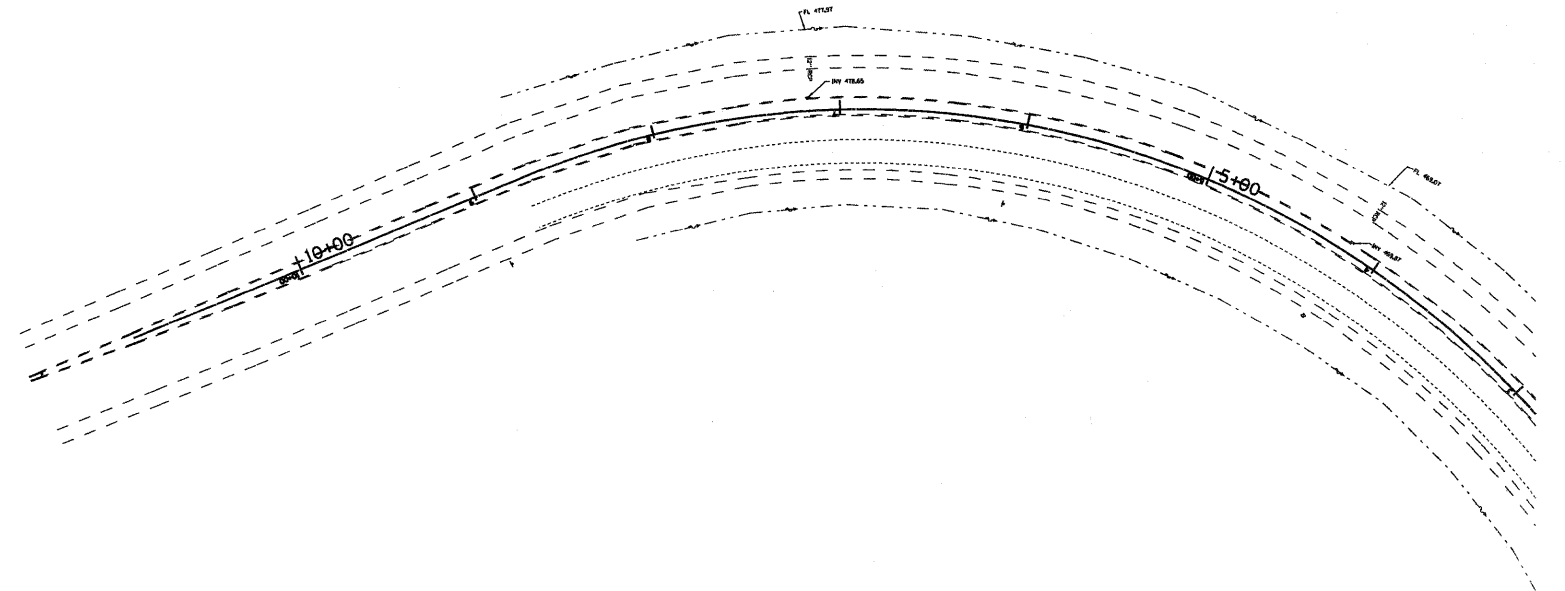
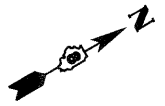
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pr\projects\513581\cadd\dgn\0876830-sh	staging1.dgn	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET NO. 5 OF 6 SHEETS	STA. 130+00.00 TO STA. 145+00.00	600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	152
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -								CONTRACT NO. 76830	
	PLOT DATE = 8/25/2009	DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND	
DIRECTION OF TRAFFIC	⇄
PHASE I CONSTRUCTION	▨
PHASE II CONSTRUCTION	▩
SHORT TERM PAVEMENT	▧
PAVEMENT REMOVAL	▣
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



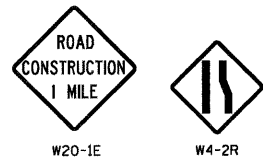
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PLOT SCALE = 50.0000' / IN.					CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET NO. 6 OF 6 SHEETS	STA. 145+00.00 TO STA. N/A	CONTRACT NO. 76830		
PLOT DATE = 8/25/2009					DATE -	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					



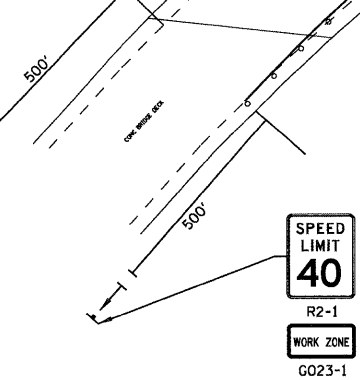
NOTES:

1. CONTRACTOR SHALL ADJUST LOCATION OF ADVANCED WARNING SIGNS AS DIRECTED BY THE ENGINEER.
2. IN ADDITION TO SIGNS SHOWN, ALL SIDEROADS SHALL HAVE "ROAD CONSTRUCTION AHEAD" SIGNS. THE COST SHALL BE INCLUDED IN THE TRAFFIC CONTROL STANDARDS FOR THE PROJECT.

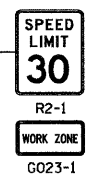
ADVANCED WARNING SIGNS:



END CONSTRUCTION G20-2 PHASE I & II



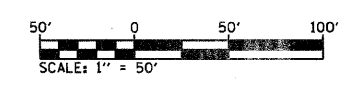
TRAFFIC DRUMS @ 20' SPACING



4" TEMPORARY SOLID WHITE

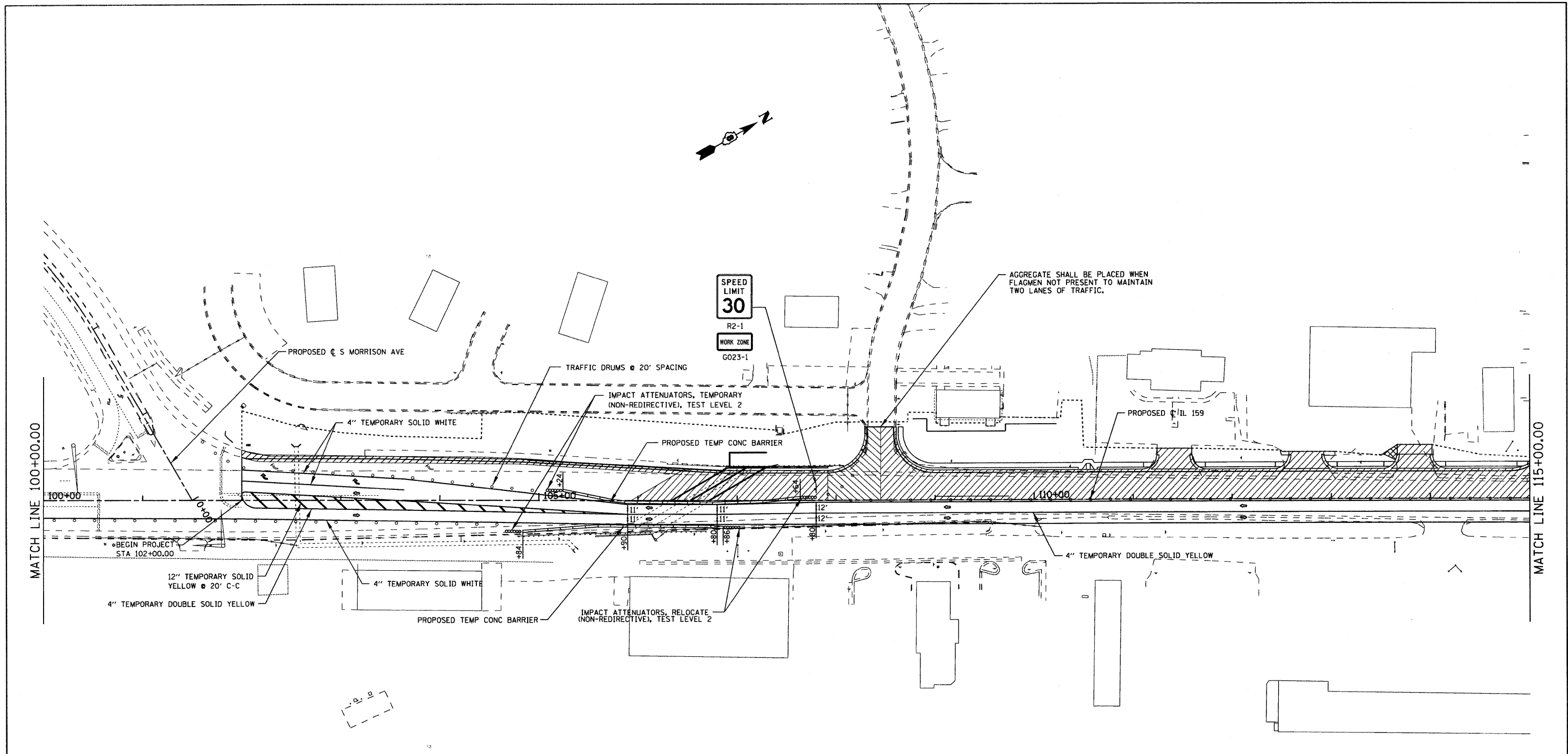
MATCH LINE 100+00.00

LEGEND	
DIRECTION OF TRAFFIC	→
PHASE I CONSTRUCTION	[Diagonal hatching]
PHASE II CONSTRUCTION	[Cross-hatching]
SHORT TERM PAVEMENT	[Stippled pattern]
PAVEMENT REMOVAL	[Grid pattern]
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT

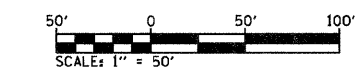


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pi\projects\513581\cadd\dgn\0876830-sh1	staging2.dgn	DRAWN -	REVISED -					600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	154
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. N/A TO STA. 100+00.00			CONTRACT NO. 76830				
	PLOT DATE = 8/25/2009	DATE -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					





LEGEND	
DIRECTION OF TRAFFIC	⇨
PHASE I CONSTRUCTION	▨
PHASE II CONSTRUCTION	▩
SHORT TERM PAVEMENT	▧
PAVEMENT REMOVAL	▣
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	⊥



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 2</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pa\projects\513501\cadd\dgn\0876830-sh	staging2.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	155	
		CHECKED -	REVISED -			SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 100+00.00 TO STA. 115+00.00		CONTRACT NO. 76830			
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

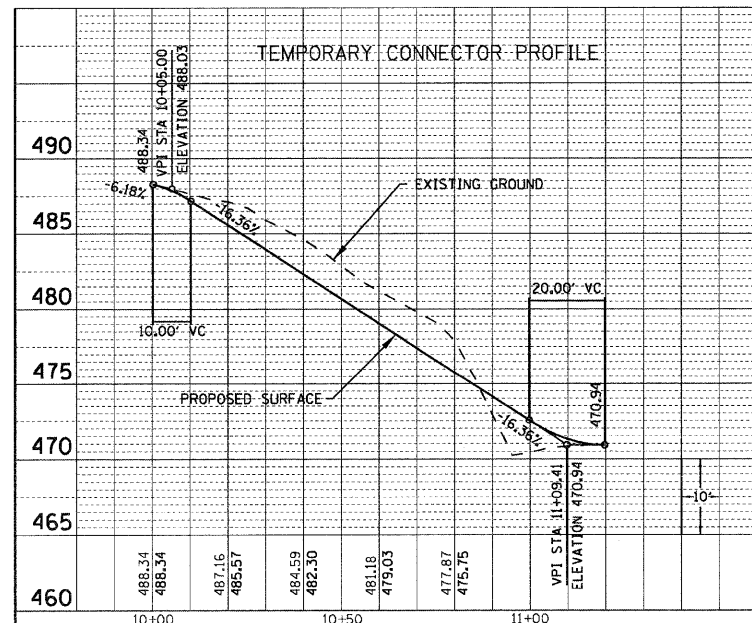
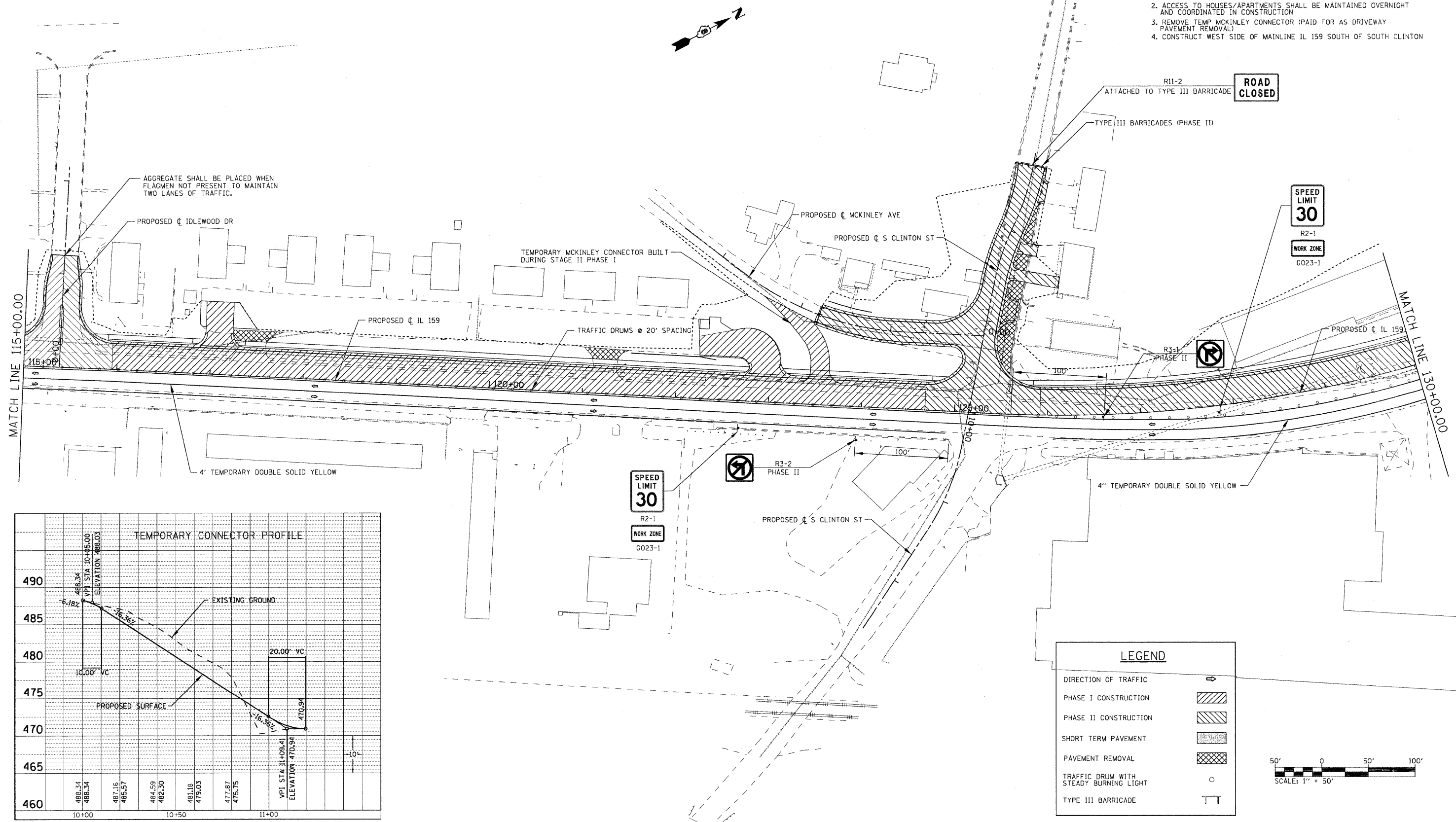
SUGGESTED STAGING AT SOUTH CLINTON

PHASE I

1. KEEP SOUTH CLINTON OPEN
2. CONSTRUCT TEMP MCKINLEY CONNECTOR

PHASE II

1. CLOSE AND RECONSTRUCT SOUTH CLINTON
2. ACCESS TO HOUSES/APARTMENTS SHALL BE MAINTAINED OVERNIGHT AND COORDINATED IN CONSTRUCTION
3. REMOVE TEMP MCKINLEY CONNECTOR (PAID FOR AS DRIVEWAY PAVEMENT REMOVAL)
4. CONSTRUCT WEST SIDE OF MAINLINE IL 159 SOUTH OF SOUTH CLINTON



**LEGEND**

- DIRECTION OF TRAFFIC:
- PHASE I CONSTRUCTION:
- PHASE II CONSTRUCTION:
- SHORT TERM PAVEMENT:
- PAVEMENT REMOVAL:
- TRAFFIC DRUM WITH STEADY BURNING LIGHT:
- TYPE III BARRICADE:



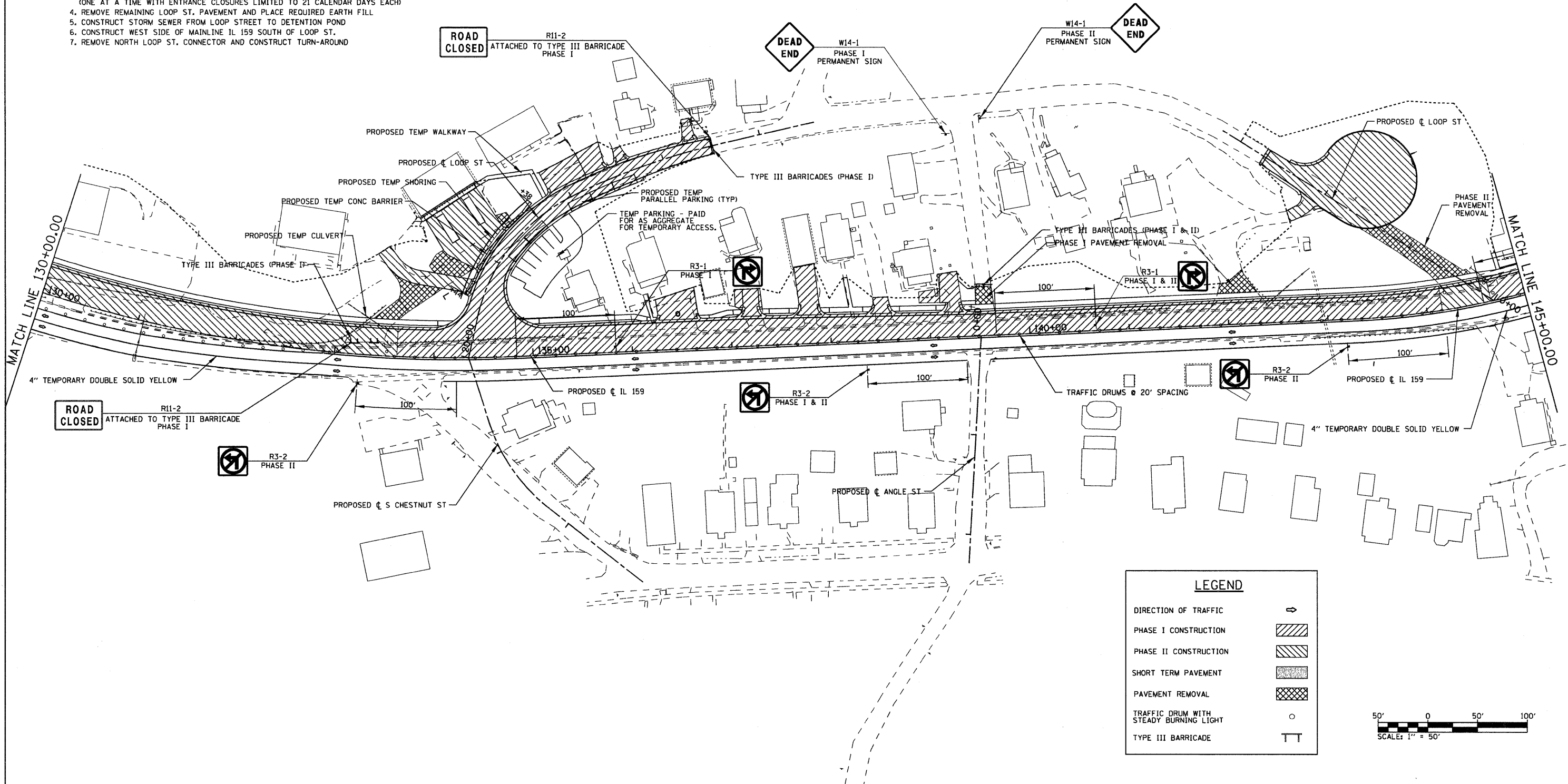
SUGGESTED STAGING AT SOUTH LOOP ST. (LIMITED TO 90 WORKING DAYS)

**PHASE I**

1. KEEP NORTH LOOP ST. OPEN AND SOUTH LOOP ST. OPEN TO FIRST TWO APARTMENTS
2. ACCESS TO ALL APARTMENTS/HOUSES TO BE MAINTAINED OVERNIGHT/COORDINATED IN CONSTRUCTION
3. MOVE UTILITIES (INCLUDING THOSE REQUIRED TO RELOCATE FOR TEMP. SHORING)
4. CONSTRUCT TEMP CULVERT UNDER EXISTING SOUTH LOOP FOR DRAINAGE OF STORM SEWER FROM THE NORTH
5. PLACE SHORING FOR PROPOSED S. LOOP ROADWAY SLOPES ON SOUTH SIDE TO KEEP ACCESS
6. CONSTRUCT STORM SEWER UNDER MAINLINE IL 159 FROM NORTH OF LOOP ST.
7. CONSTRUCT STORM SEWER ON WEST PORTION OF SOUTH LOOP TO WEST OF SECOND APARTMENT BUILDING
8. CONSTRUCT NEW SOUTH LOOP ST. INTERSECTION AND MAINLINE IL 159 PAVEMENT NORTH OF SOUTH LOOP ST.
9. TEMP. SIDEWALK/STAIRS CONSTRUCTED FROM STREET TO APARTMENTS

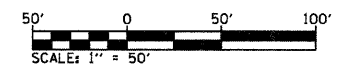
**PHASE II**

1. SIGN LOOP ST. FOR TEMP. ONE-WAY (SB) TRAFFIC TO TEMPORARILY ALLOW PARKING ON EAST SIDE
2. BUILD STORM SEWER TO SOUTH OF FIRST DRIVE
3. PLACE EARTH FILL AND RECONSTRUCT DRIVES AT STA 18+92.3 AND STA 19+28.7 (ONE AT A TIME WITH ENTRANCE CLOSURES LIMITED TO 21 CALENDAR DAYS EACH)
4. REMOVE REMAINING LOOP ST. PAVEMENT AND PLACE REQUIRED EARTH FILL
5. CONSTRUCT STORM SEWER FROM LOOP STREET TO DETENTION POND
6. CONSTRUCT WEST SIDE OF MAINLINE IL 159 SOUTH OF LOOP ST.
7. REMOVE NORTH LOOP ST. CONNECTOR AND CONSTRUCT TURN-AROUND

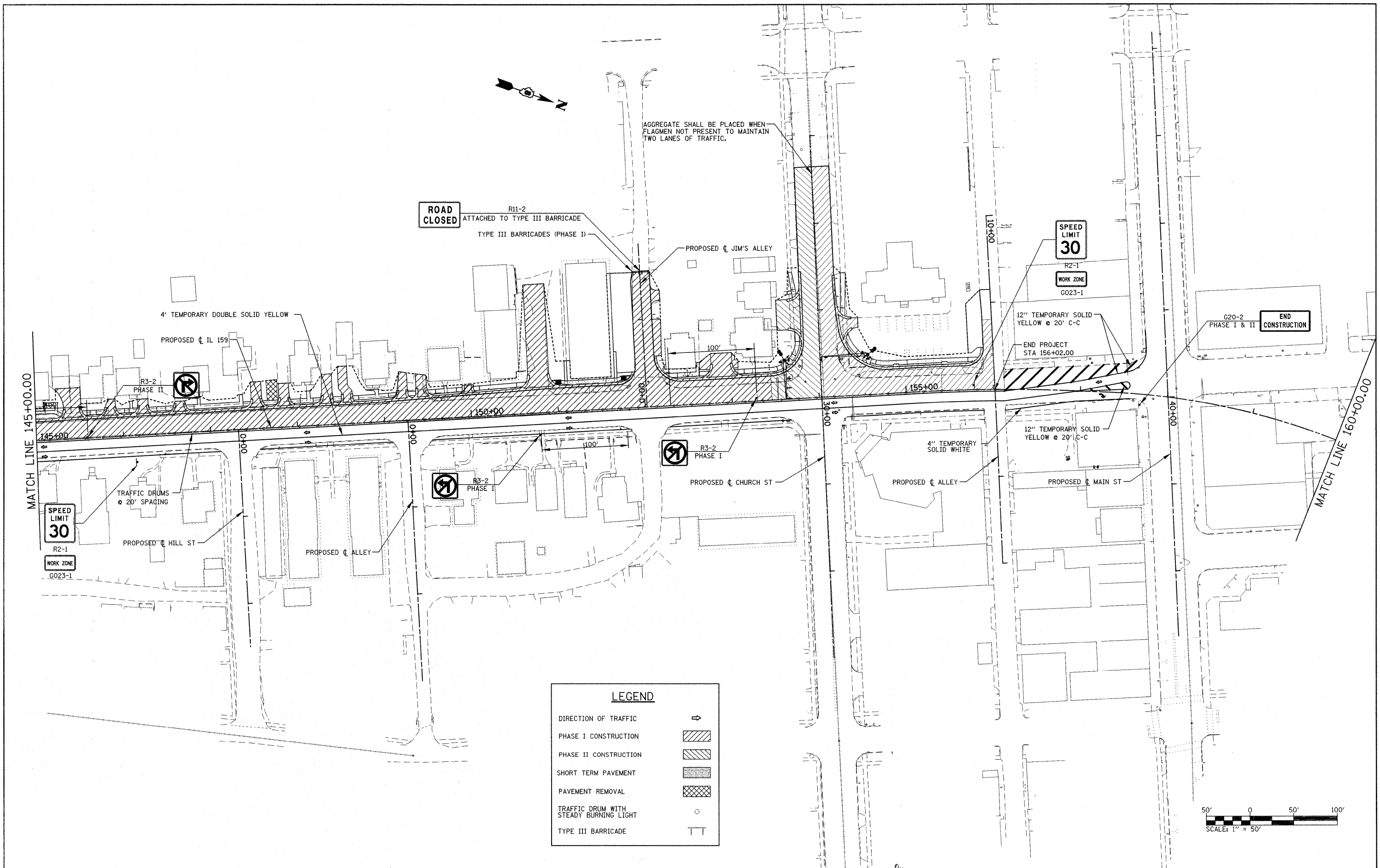


**LEGEND**

- DIRECTION OF TRAFFIC
- PHASE I CONSTRUCTION
- PHASE II CONSTRUCTION
- SHORT TERM PAVEMENT
- PAVEMENT REMOVAL
- TRAFFIC DRUM WITH STEADY BURNING LIGHT
- TYPE III BARRICADE

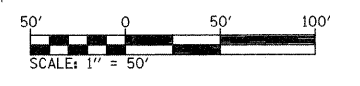


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	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			SCALE: 1" = 50'	SHEET NO. 4 OF 5 SHEETS	STA. 130+00.00 TO STA. 145+00.00	CONTRACT NO. 76830			
	PLOT DATE = \$DATE\$	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

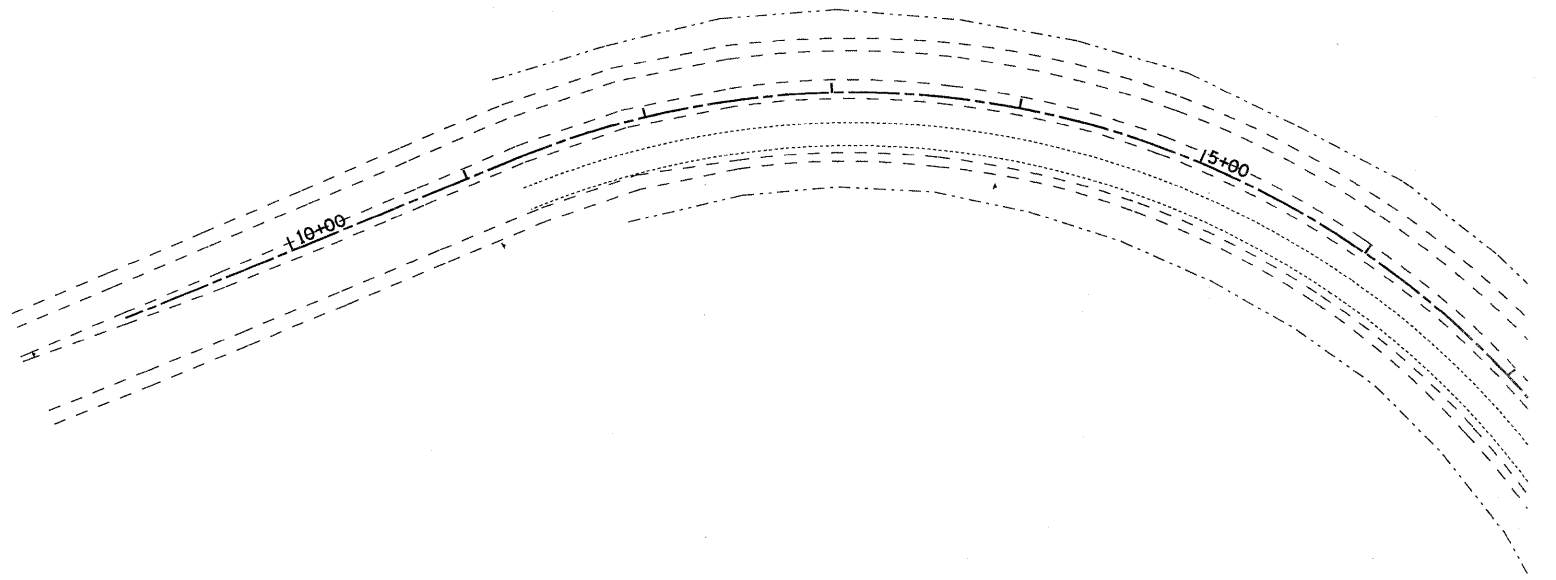
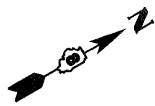


**LEGEND**

DIRECTION OF TRAFFIC	⇄
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



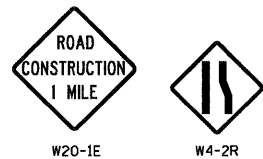
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P:\Projects\51350\1\CADD\DN\0876830-sh1	staging2.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	158	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76830					
	PLOT DATE = 12/17/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



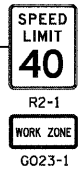
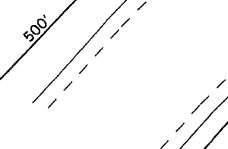
NOTES:

1. CONTRACTOR SHALL ADJUST LOCATION OF ADVANCED WARNING SIGNS AS DIRECTED BY THE ENGINEER.
2. IN ADDITION TO SIGNS SHOWN, ALL SIDEROADS SHALL HAVE "ROAD CONSTRUCTION AHEAD" SIGNS. THE COST SHALL BE INCLUDED IN THE TRAFFIC CONTROL STANDARDS FOR THE PROJECT.

ADVANCED WARNING SIGNS:



END CONSTRUCTION G20-2 PHASE I & II



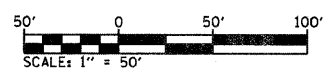
TRAFFIC DRUMS @ 20' SPACING



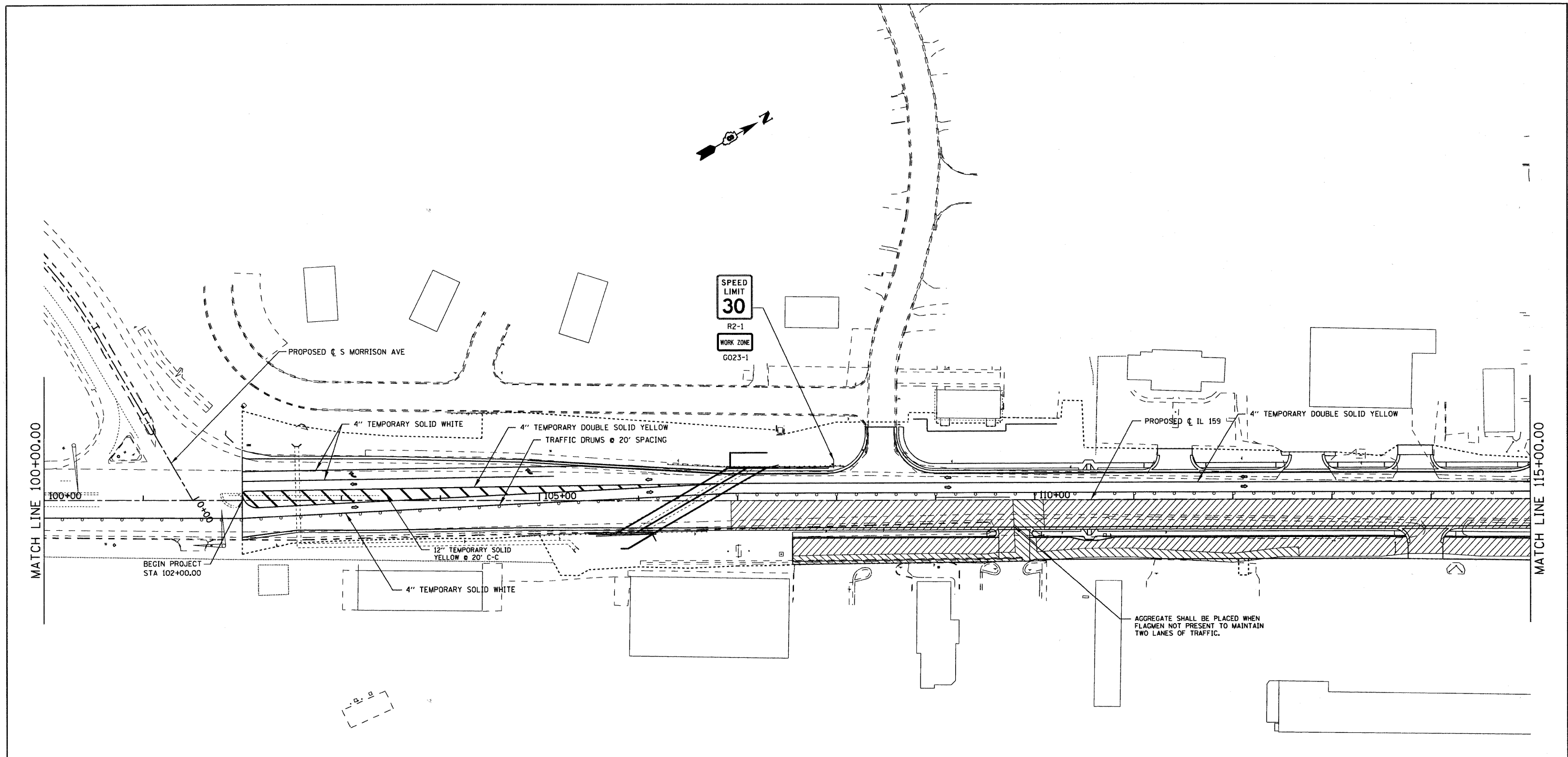
4" TEMPORARY SOLID WHITE

MATCH LINE 100+00.00

LEGEND	
DIRECTION OF TRAFFIC	⇄
PHASE I CONSTRUCTION	▨
PHASE II CONSTRUCTION	▩
SHORT TERM PAVEMENT	▧
PAVEMENT REMOVAL	▣
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT

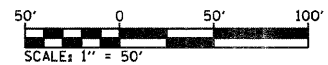


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 3</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pi\projects\513501\cadd\dgn\0876830-sh1	staging3.dgn	DRAWN -	REVISED -					600	60-(30,31,128)-1	WADSWORTH/ST. CLAIR	399	159
PLLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 50'		SHEET NO. 1 OF 5 SHEETS	STA. N/A	TO STA. 100+00.00	CONTRACT NO. 76830				
PLLOT DATE = 8/25/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

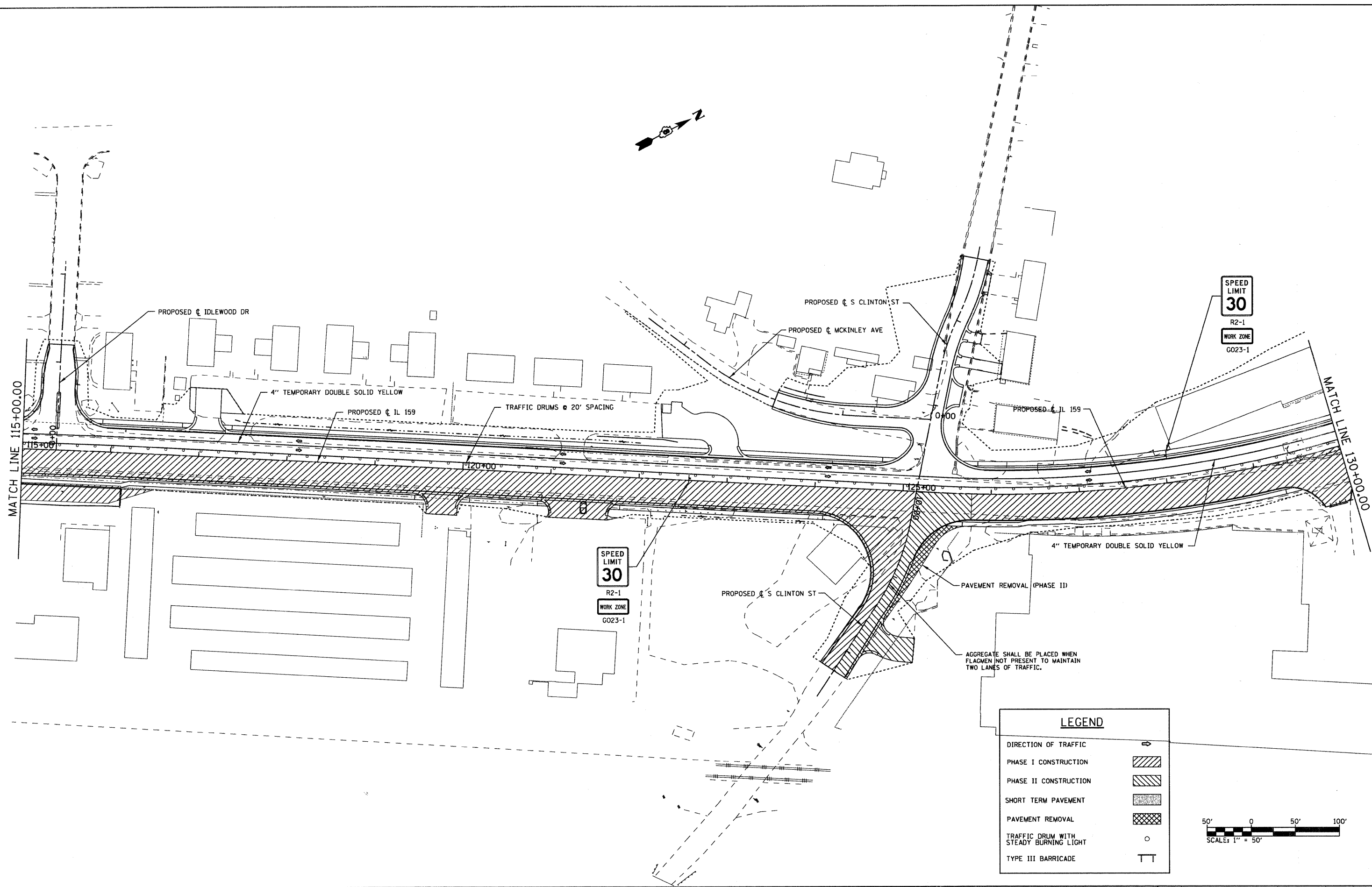


SPEED  
LIMIT  
**30**  
R2-1  
WORK ZONE  
G023-1

LEGEND	
DIRECTION OF TRAFFIC	→
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



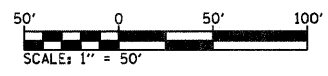
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PLOT SCALE = 50,0000' / IN.						SCALE: 1" = 50'	SHEET NO. 2 OF 5 SHEETS	STA. 100+00.00 TO STA. 115+00.00	CONTRACT NO. 76830			
PLOT DATE = 8/25/2009						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
DATE -												



SPEED LIMIT 30  
R2-1  
WORK ZONE  
G023-1

SPEED LIMIT 30  
R2-1  
WORK ZONE  
G023-1

LEGEND	
DIRECTION OF TRAFFIC	
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	
TYPE III BARRICADE	



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PLOT DATE = 8/25/2009

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

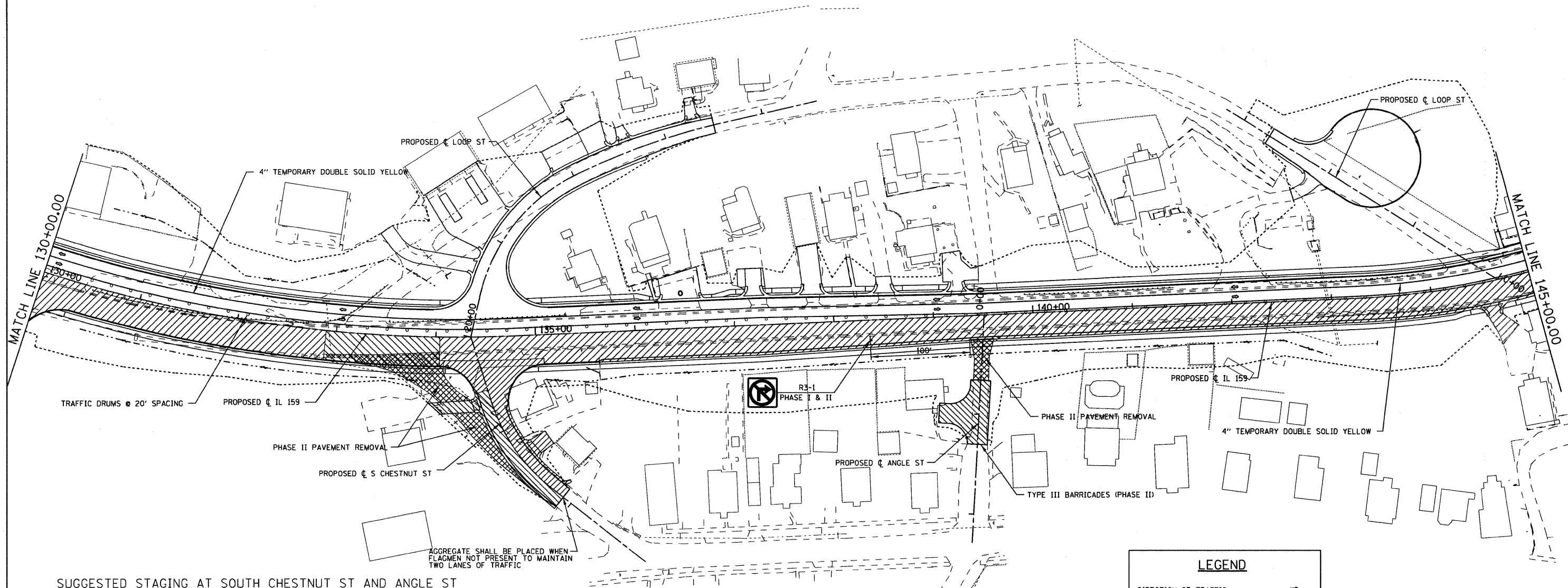
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 3**

SCALE: 1" = 50'    SHEET NO. 3 OF 5 SHEETS    STA. 115+00.00 TO STA. 130+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	WADSWORTH/ST. CLAIR	399	161
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76830	



**SUGGESTED STAGING AT SOUTH CHESTNUT ST AND ANGLE ST**

**PHASE I**

1. KEEP EXISTING INTERSECTION AND A MINIMUM OF HALF OF EXISTING S CHESTNUT ST OPEN
2. ACCESS TO ALL RESIDENCES SHALL BE MAINTAINED OVERNIGHT/ COORDINATED IN CONSTRUCTION
3. CONSTRUCT NEW INTERSECTION NORTH LANE OF NEW S CHESTNUT ALIGNMENT

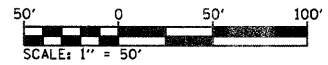
**PHASE II**

1. CLOSE EXISTING INTERSECTION AND USE AS TEMP PARKING FOR HOUSE
2. CONSTRUCT SOUTH LANE AND ENTRANCE TO RESIDENCE (ENTRANCE CLOSURE LIMITED TO 10 DAYS)
3. CLOSE ANGLE ST, BUILD TURN-AROUND AND SIGN AS DEAD-END

\*NOTE: WHEN FLAG-MEN ARE NOT PRESENT AGGREGATE SHALL BE PLACED TO ALLOW TWO LANES OF TRAFFIC ON S CHESTNUT

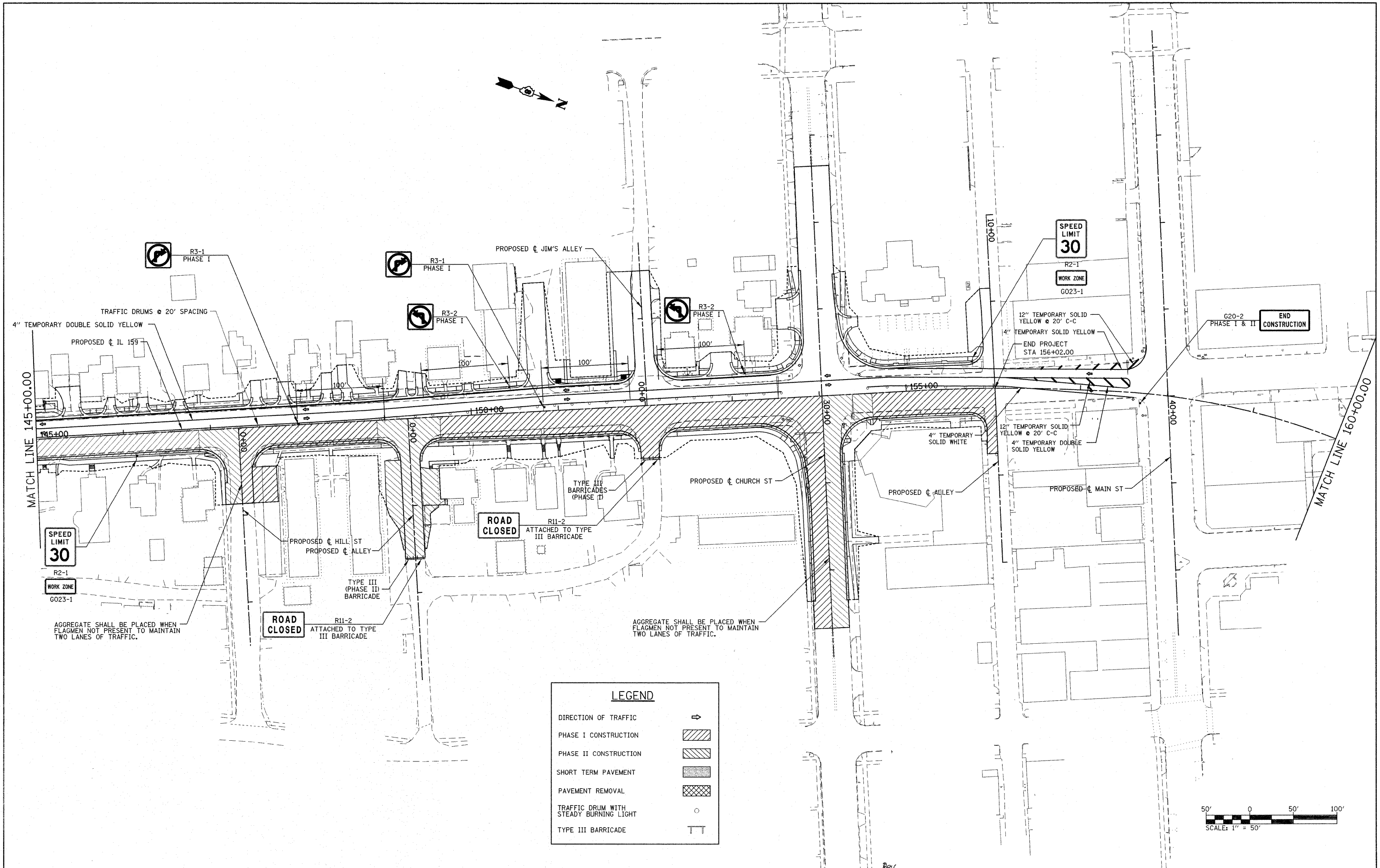
**LEGEND**

DIRECTION OF TRAFFIC	
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	
TYPE III BARRICADE	



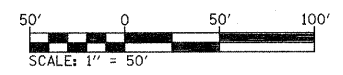
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PLOT SCALE = 50.0000' / IN. PLOT DATE = 8/25/2009		CHECKED - DATE -	REVISED - REVISED -	SCALE: 1" = 50'    SHEET NO. 4 OF 5 SHEETS    STA. 130+00.00 TO STA. 145+00.00		CONTRACT NO. 76830 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



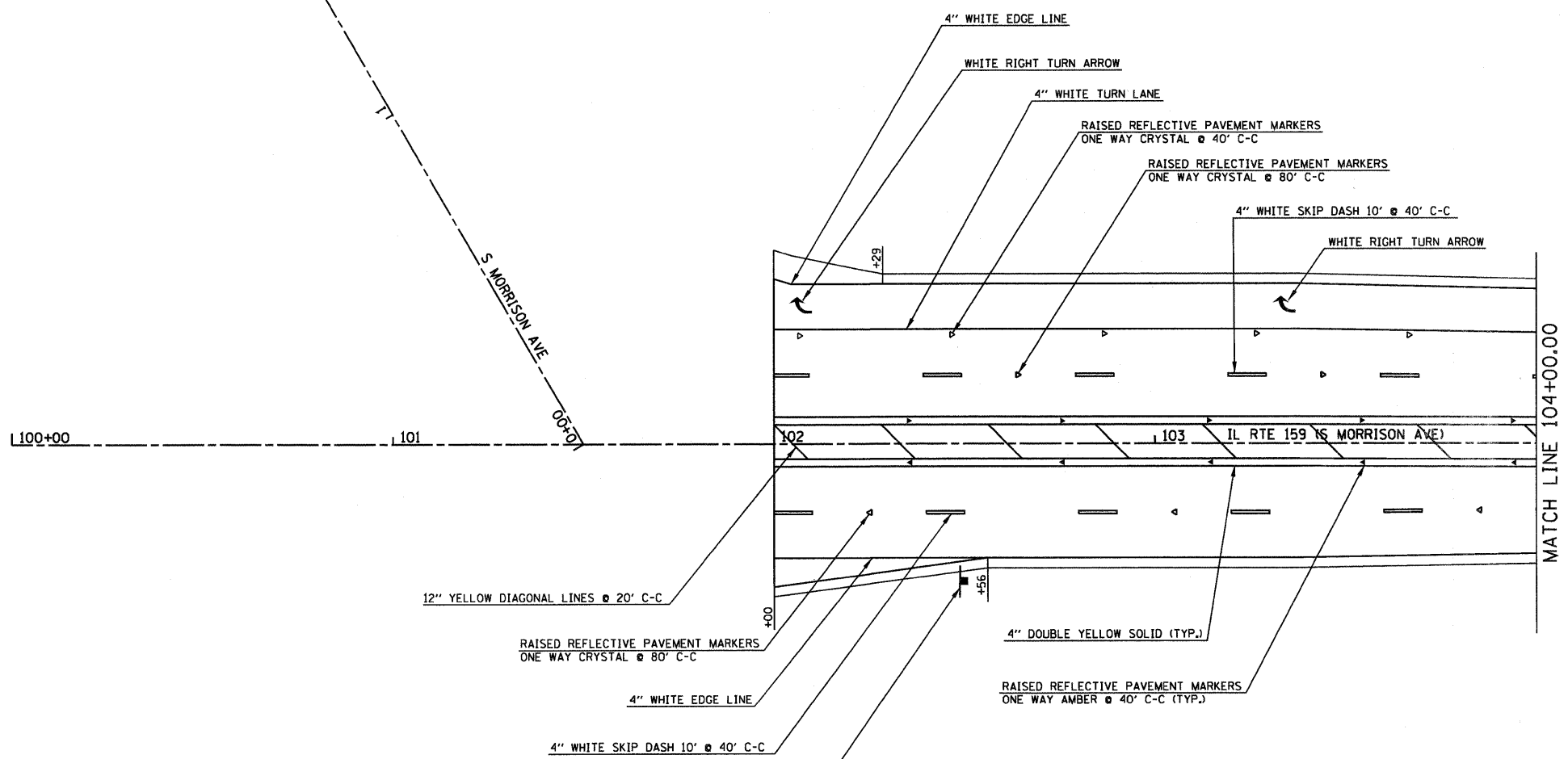


**LEGEND**

DIRECTION OF TRAFFIC	↔
PHASE I CONSTRUCTION	
PHASE II CONSTRUCTION	
SHORT TERM PAVEMENT	
PAVEMENT REMOVAL	
TRAFFIC DRUM WITH STEADY BURNING LIGHT	○
TYPE III BARRICADE	TT



FILE NAME = P:\Projects\513501\CADD\DMN\0876830-sh	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 3</b>	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON/ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 163	
PLOT SCALE = 50,0000' / IN.		DRAWN -	REVISED -			SCALE: 1" = 50'    SHEET NO. 5 OF 5 SHEETS    STA. 145+00.00 TO STA. N/A					
PLOT DATE = 12/17/2009		CHECKED -	REVISED -			CONTRACT NO. 76830					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



12" YELLOW DIAGONAL LINES @ 20' C-C

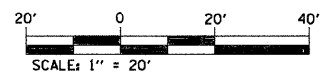
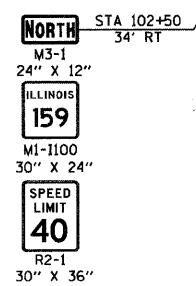
RAISED REFLECTIVE PAVEMENT MARKERS  
ONE WAY CRYSTAL @ 80' C-C

4" WHITE EDGE LINE

4" WHITE SKIP DASH 10' @ 40' C-C

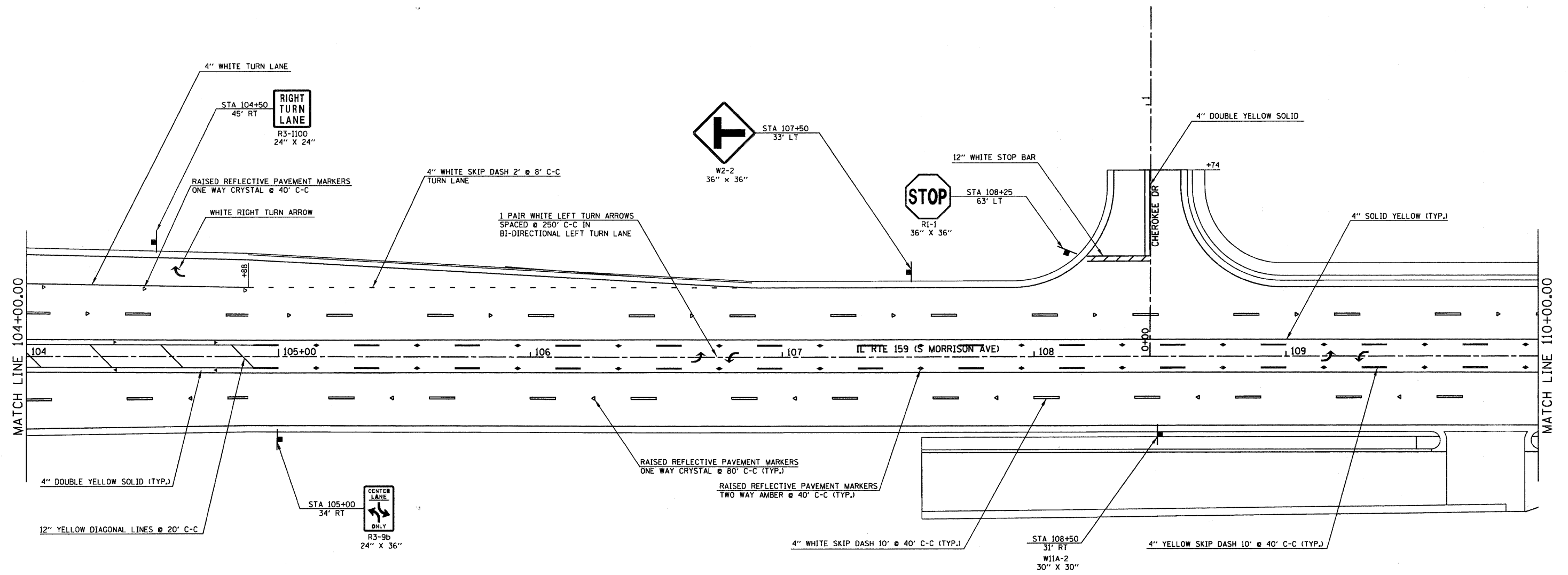
4" DOUBLE YELLOW SOLID (TYP.)

RAISED REFLECTIVE PAVEMENT MARKERS  
ONE WAY AMBER @ 40' C-C (TYP.)

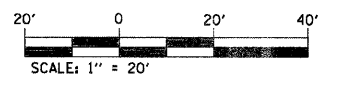


NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

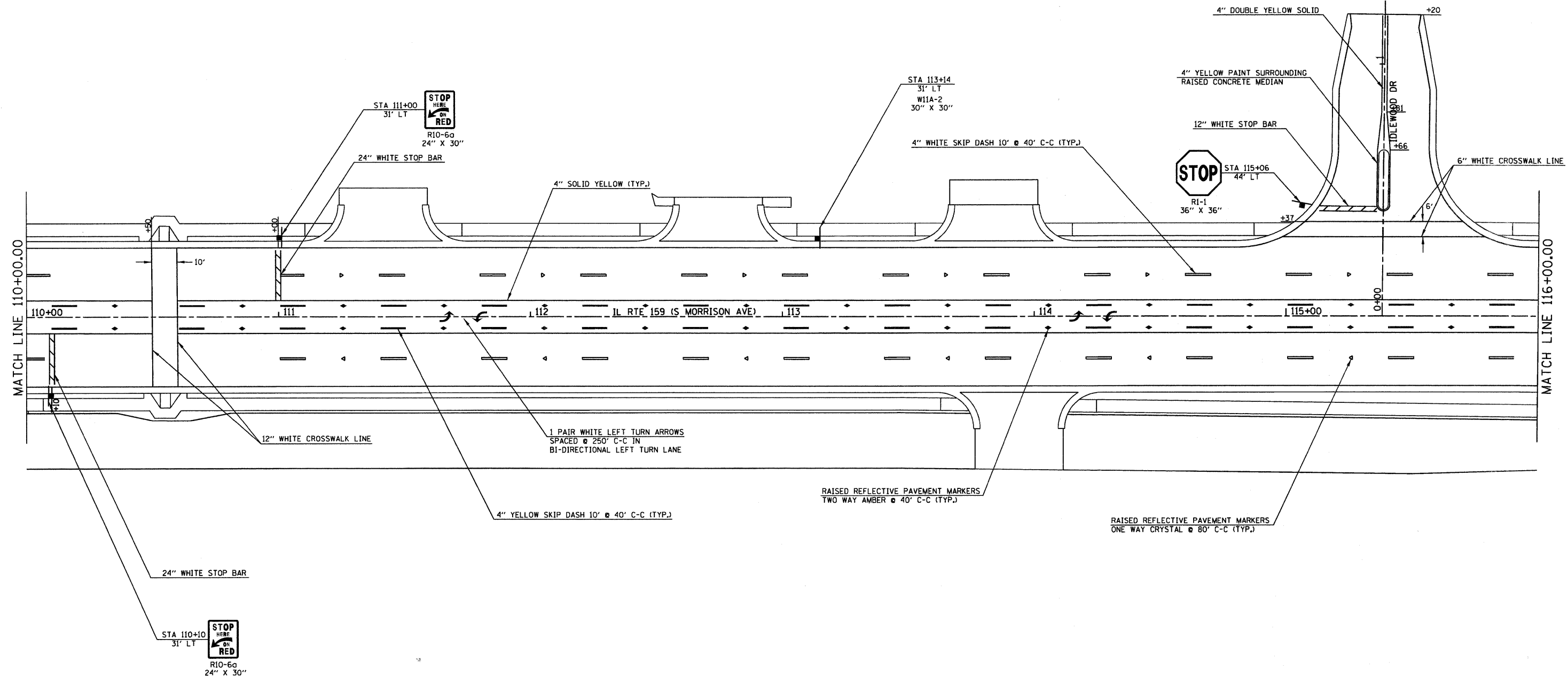
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	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 11 SHEETS	STA 102+00.00 TO STA 104+00.00	CONTRACT NO. 76830				
	PLOT DATE = 8/25/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



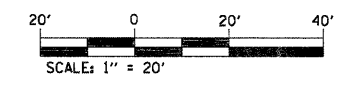
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



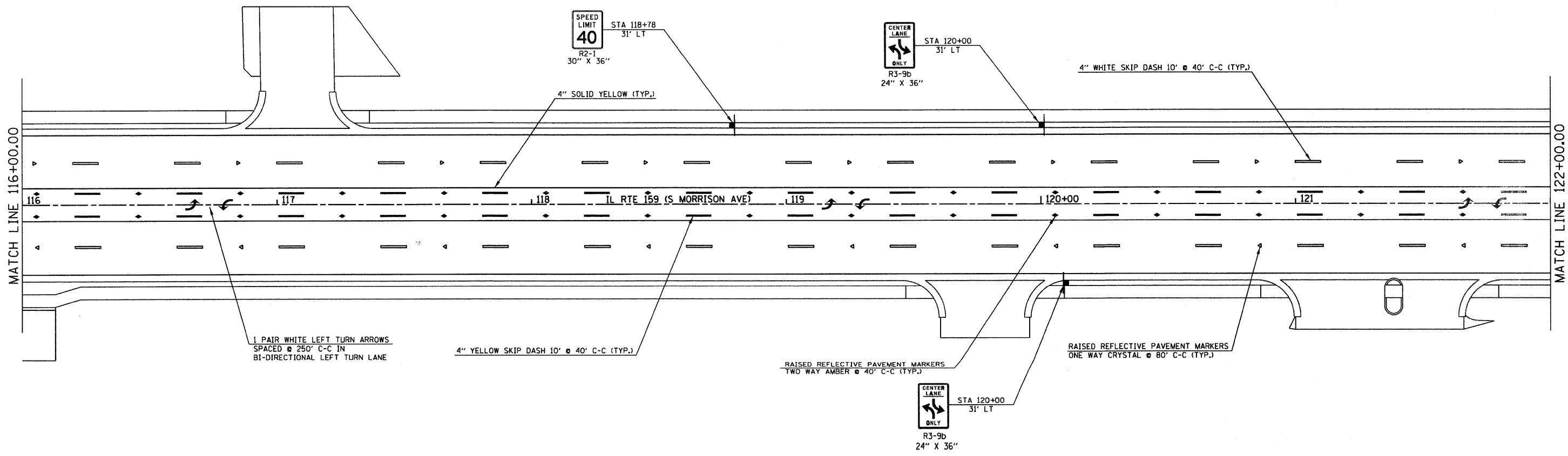
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	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2	OF 11 SHEETS	STA 104+00.00 TO STA 110+00.00	CONTRACT NO. 76830			
	PLOT DATE = 8/25/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



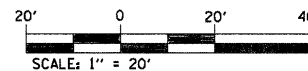
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



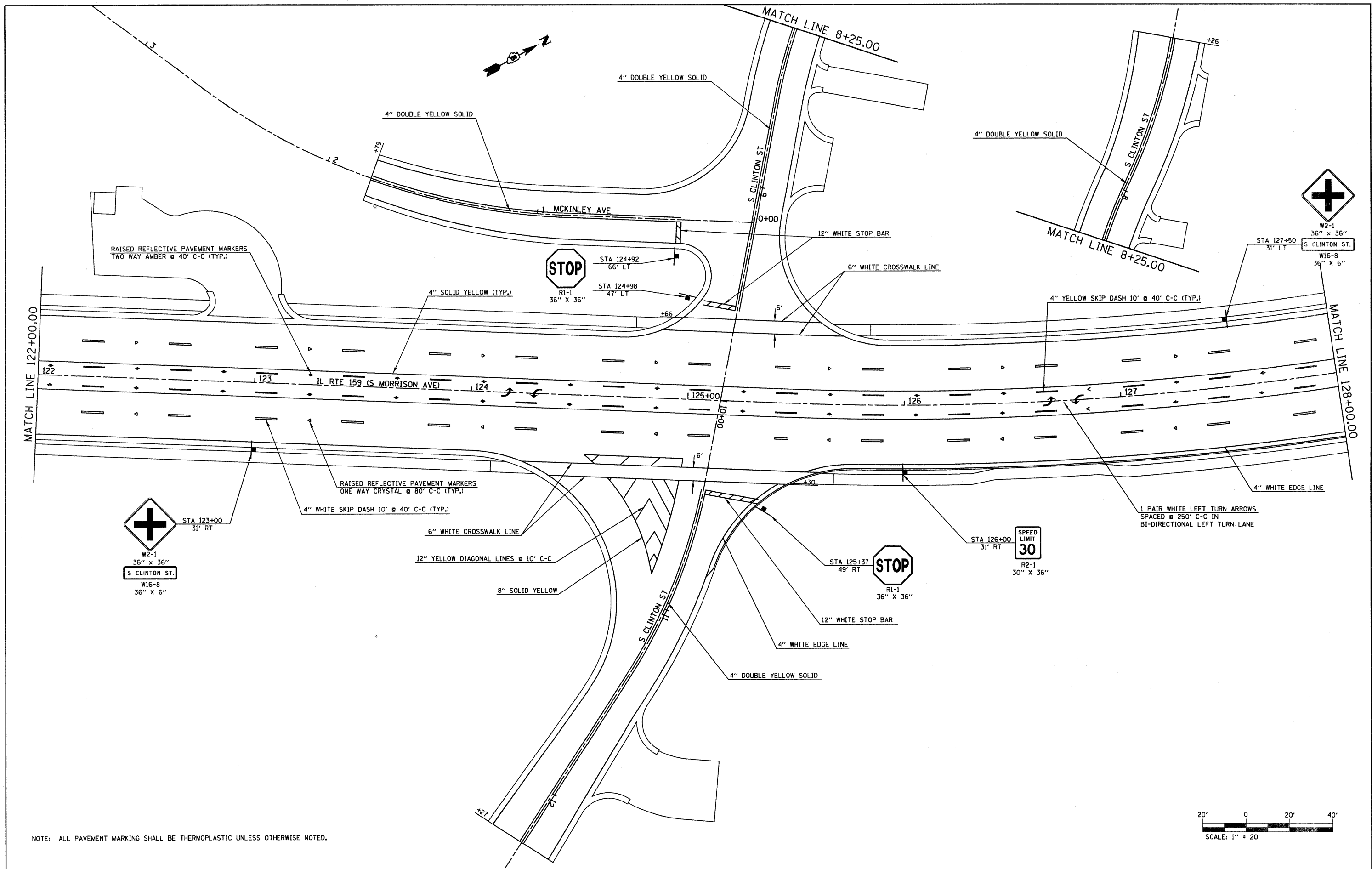
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	PLLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET NO. 3 OF 11 SHEETS	STA 110+00.00 TO STA 116+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLLOT DATE = 8/25/2009	DATE -	REVISED -	REVISED -							



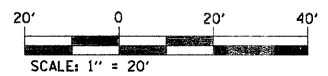
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



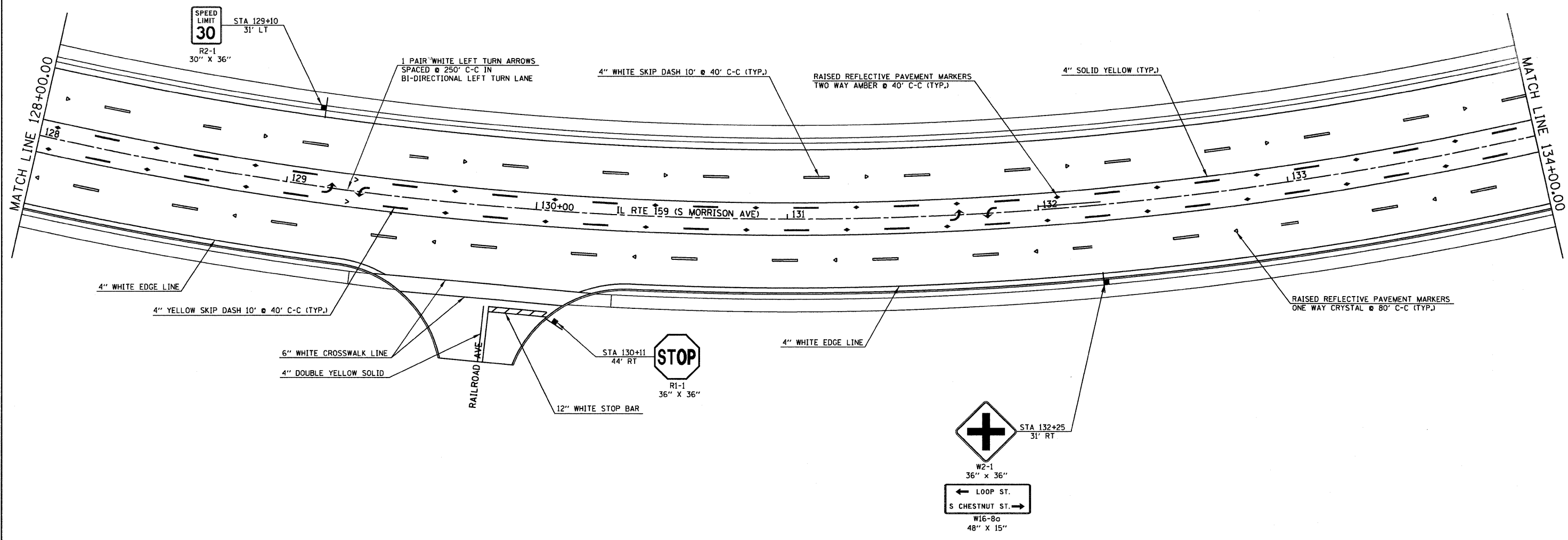
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pr\projects\513501\cadd\dgn\0876830-ah	pek-sign.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	WADSWORTH/ST. CLAIR	399	167	
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			SCALE: 1" = 20'		SHEET NO. 4 OF 11 SHEETS		STA 116+00.00 TO STA 122+00.00	
	PLOT DATE = 8/25/2009	DATE -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	
						CONTRACT NO. 76830					



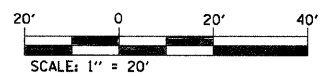
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



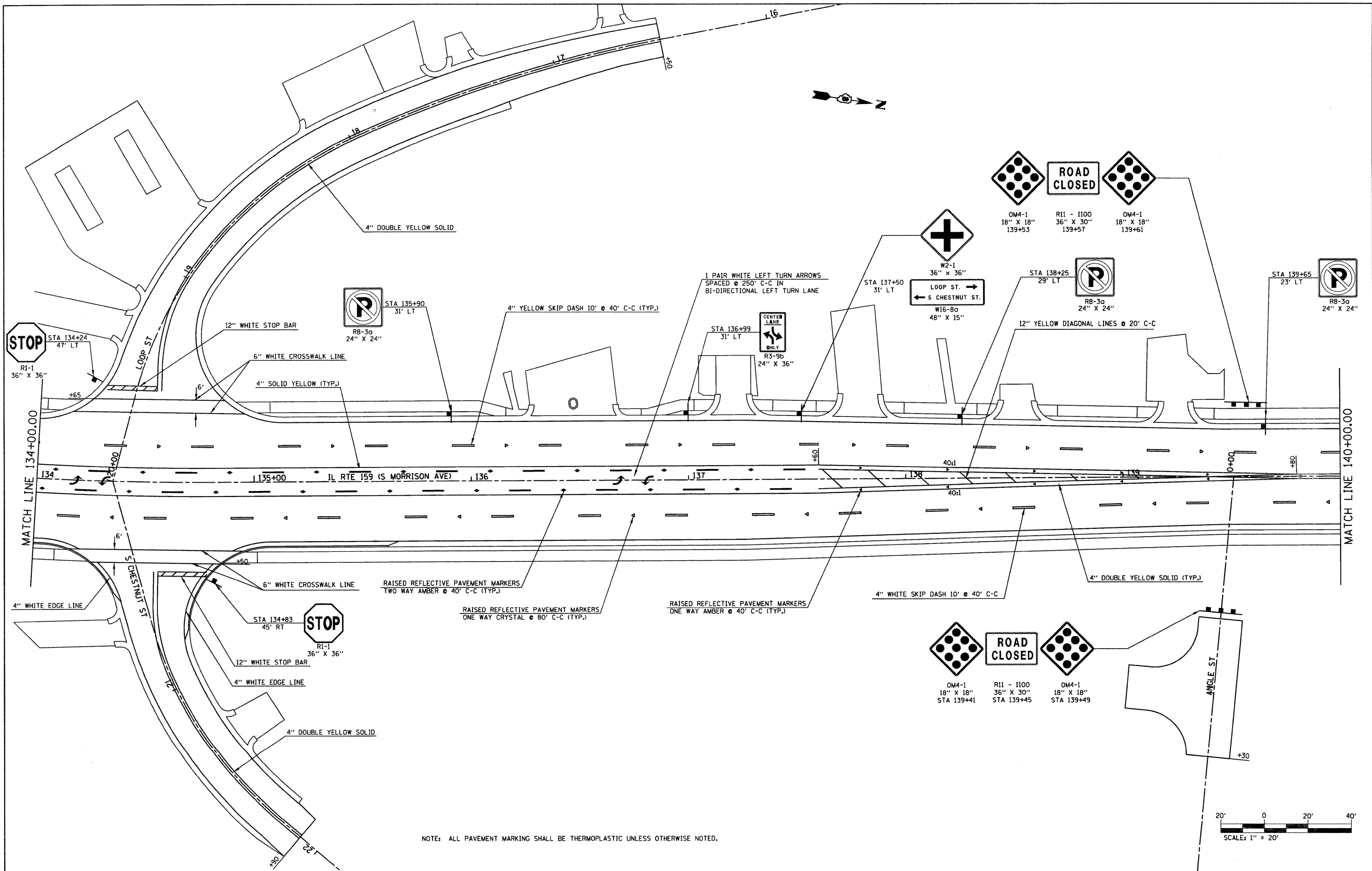
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pr\projects\513501\cadd\dgn\0876830-sh	pmk-sign.dgn	DRAWN -	REVISED -			600	60-130,31,128-1	WADSWORTH ST. CLAIR	399	168
		CHECKED -	REVISED -			CONTRACT NO. 76830				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



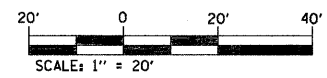
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



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PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 20'			SHEET NO. 6 OF 11 SHEETS	STA 128+00.00 TO STA 134+00.00	CONTRACT NO. 76830				
PLOT DATE = 8/25/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

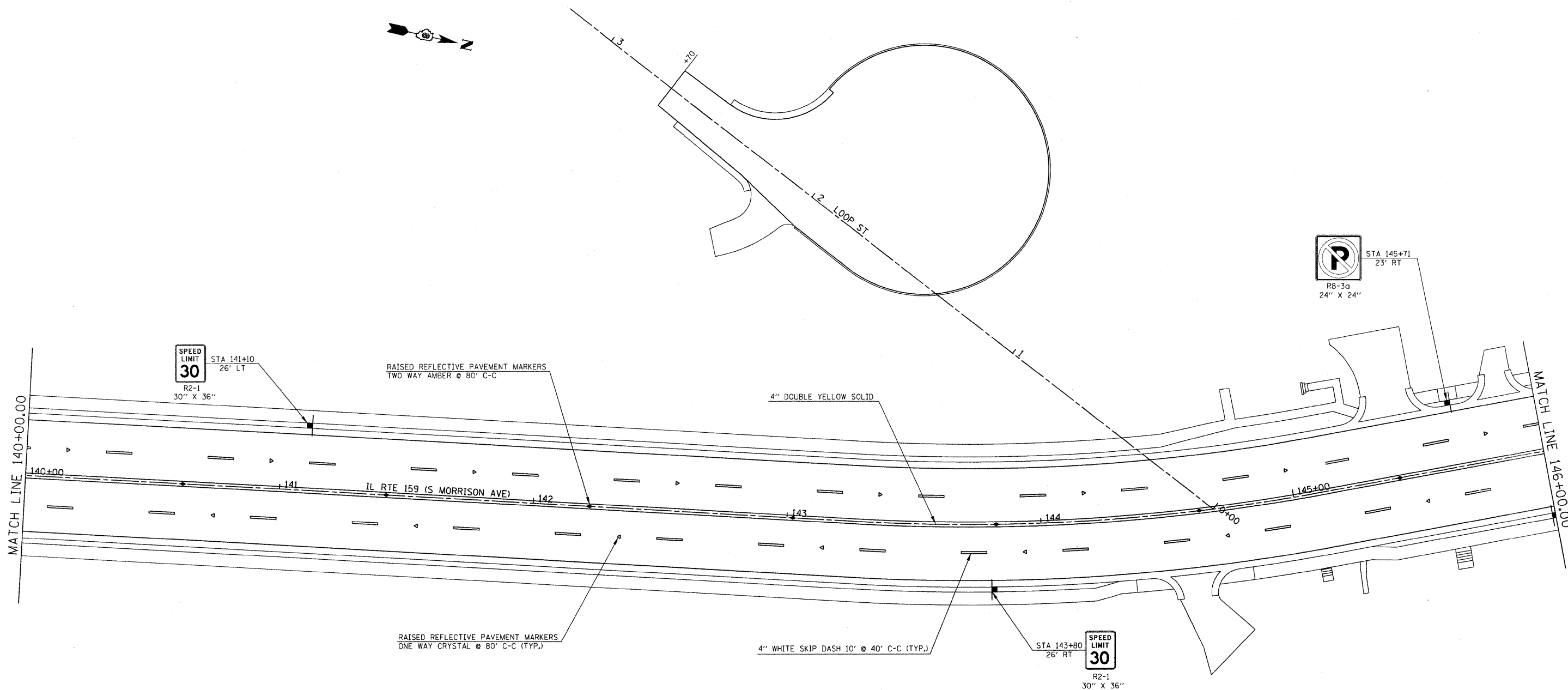


NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

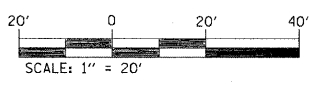


FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT PATH =	PLT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			600	60-130,31,128-1	WADSWORTH, CLAIR	399	170	
PLT DATE = 8/25/2009	DATE -	CHECKED -	REVISED -			SCALE: 1" = 20' SHEET NO. 7 OF 11 SHEETS STA 134+00.00 TO STA 140+00.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76830	
		DATE -	REVISED -								

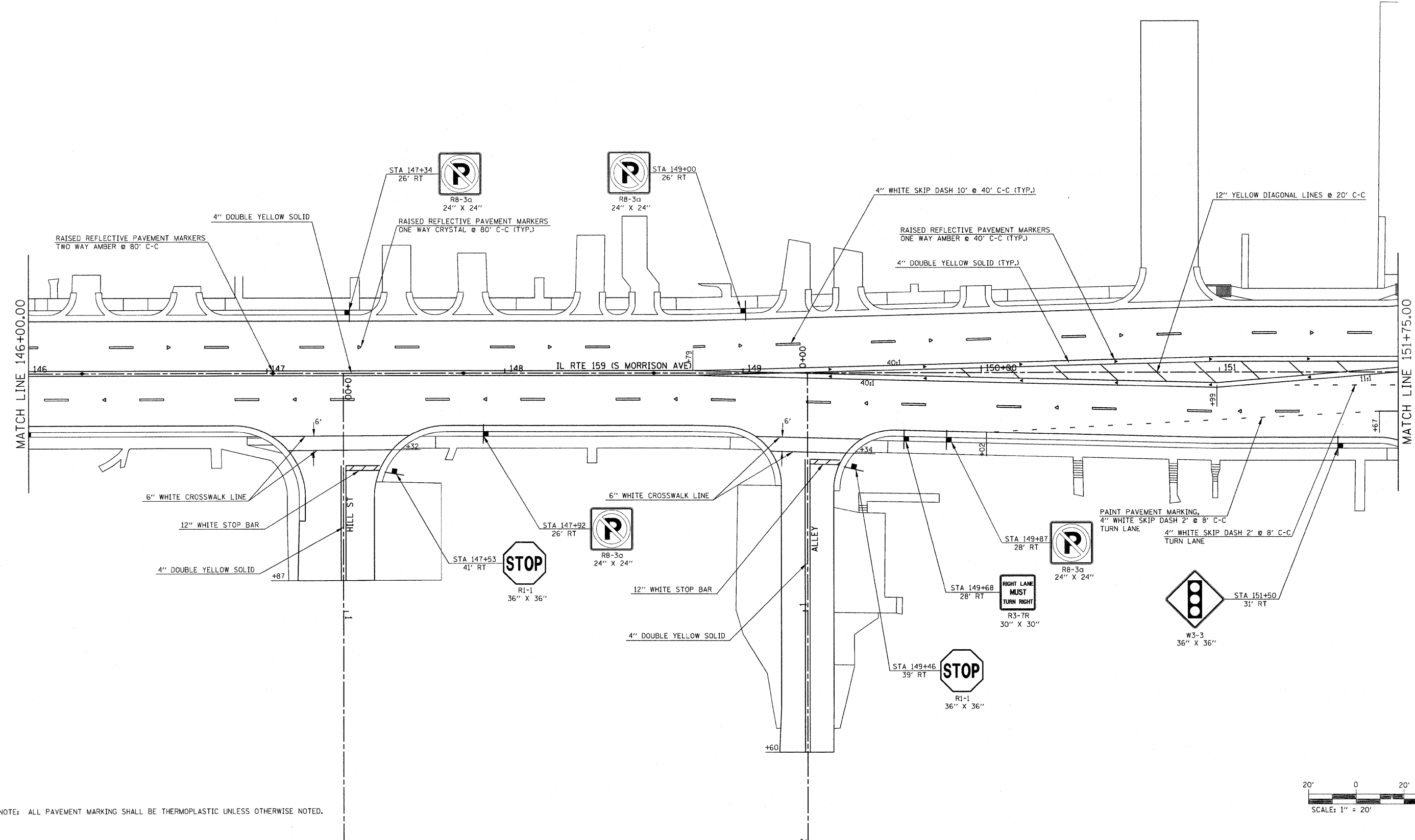




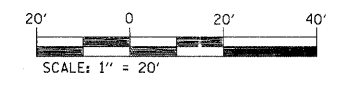
NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING PLAN</b>	F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = #DATE#	DATE -	REVISED -			SCALE: 1" = 20'	SHEET NO. 8 OF 11 SHEETS	STA 140+00.00 TO STA 146+00.00	CONTRACT NO. 76830			
						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

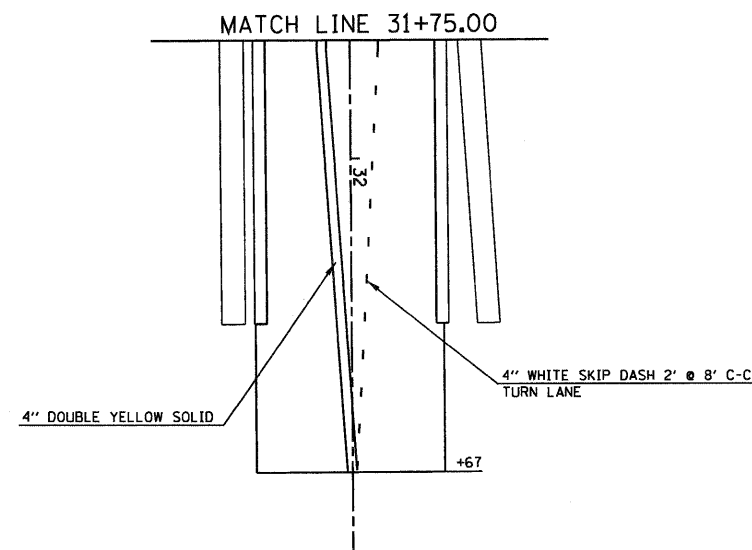
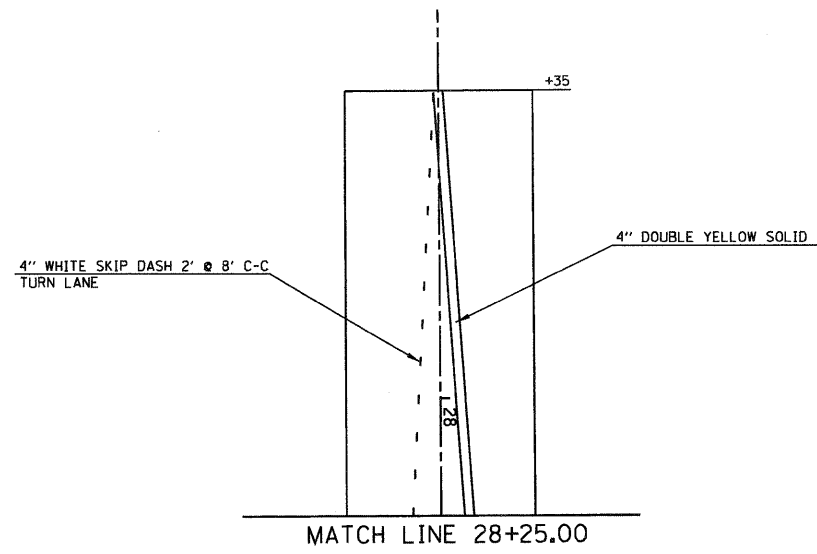


NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.



FILE NAME = #FTEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	172	
PLOT DATE = #DATE#	DATE -	REVISED -	REVISED -		SCALE: 1" = 20'    SHEET NO. 9 OF 11 SHEETS    STA 146+00.00 TO STA 151+75.00		CONTRACT NO. 76830				
						FED. ROAD DIST. NO.    ILLINOIS    FED. AID PROJECT					





NOTE: ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING PLAN</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr\projects\513581\cadd\dgn\0876830-shk-sign.dgn	pk-sign.dgn	DRAWN -	REVISED -					600	60-(30,31,128)-1	MADISON/ST. CLAIR	399	174
PLOT SCALE = 20.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td>SCALE: 1" = 20'</td> <td>SHEET NO. 11 OF 11 SHEETS</td> <td>STA N/A</td> <td>TO STA N/A</td> <td>FED. ROAD DIST. NO.</td> <td>ILLINOIS FED. AID PROJECT</td>	CHECKED -	REVISED -	SCALE: 1" = 20'		SHEET NO. 11 OF 11 SHEETS	STA N/A	TO STA N/A	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/25/2009	DATE -	REVISED -				CONTRACT NO. 76830						

# SCHEDULE OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE Y031-1F			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE Y031-1F		
				E. CHURCH ST.	MID BLOCK CROSSING	MORRISON AVE.					E. CHURCH ST.	MID BLOCK CROSSING	MORRISON AVE.
CODE NO	ITEM	UNIT					CODE NO	ITEM	UNIT				
72000100	SIGN PANEL - TYPE 1	SQ FT	50	50			87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3		
80300100	LOCATING UNDERGROUND CABLE	FOOT	320	20		300	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3	3		
80500100	SERVICE INSTALLATION, TYPE A	EACH	2	1		1	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	76	54	22	
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	156	130		26	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	63	20		43	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10	6	4	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	62	62			88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	4		
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	60	60			88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	4	4		
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	30	30			88102820	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 2-SECTION BRACKET MOUNTED	EACH	4	2	2	
81018400	CONDUIT PUSHED, 1 1/2" DIA., GALVANIZED STEEL	FOOT	75			75	88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	14	10	4	
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	137	137			88500100	INDUCTIVE LOOP DETECTOR	EACH	10	10		
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	80	80			88600100	DETECTOR LOOP, TYPE I	FOOT	1800	1800		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5	3		2	88600600	DETECTOR LOOP REPLACEMENT	FOOT	475			475
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1			88800100	PEDESTRIAN PUSH-BUTTON	EACH	10	8	2	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	281	225		43	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
85700100	FULL-ACTUATED CONTROLLER AND TYPE III CABINET	EACH	1			1	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	100	100		
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1			89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1		
85900100	TRANSCEIVER	EACH	1	1			89502380	REMOVE EXISTING HANDHOLE	EACH	3	3		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1515	1320		195	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1530	1320		210	X0324896	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 2-SECTION, BRACKET MOUNTED	EACH	3	3		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2575	2035		540	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	865	700	165	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1725	1725									
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1375	1375									
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	110	100		10							
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1	1									
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2			2							
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	1									
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2	2									
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1	1									

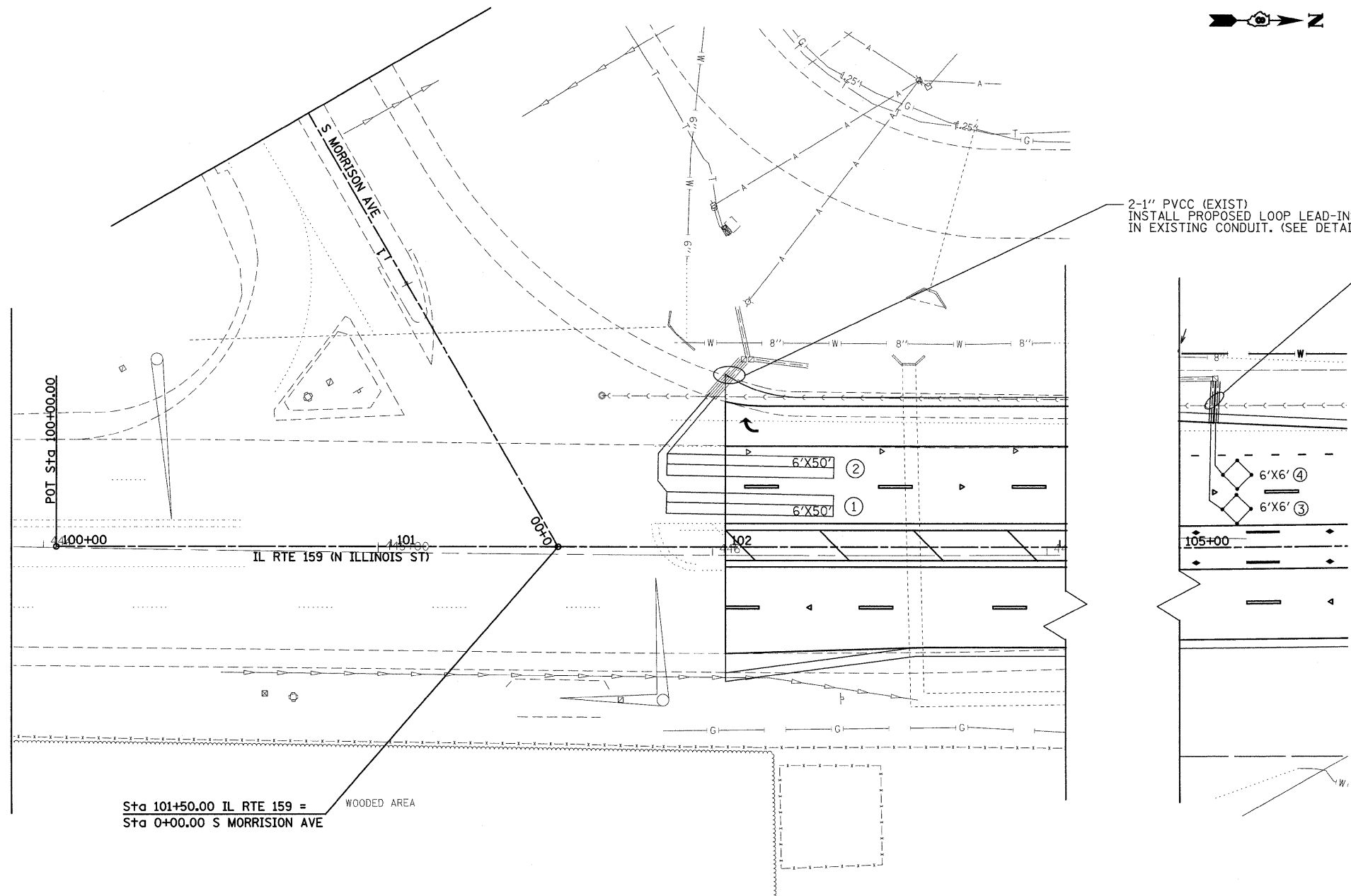
**TRAFFIC SIGNALS GENERAL NOTES**

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM.
4. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
5. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
7. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.
8. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
9. CALL CARRY-OVER SHALL FUNCTION ONLY WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
10. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
11. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
12. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
13. ACTUAL DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:  
CHURCH STREET  
 N-E CORNER, 42' M.A.: 13' DEEP, 36" DIA.  
 N-W CORNER, 52' M.A.: 15' DEEP, 36" DIA.  
 S-E CORNER, 48' M.A.: 13' DEEP, 36" DIA.  
 S-W CORNER, 48' M.A.: 13' DEEP, 36" DIA.  
  
MID BLOCK CROSSING:  
 EAST OF IL 159, 32' M.A.: 11' DEEP, 36" DIA.  
 WEST OF IL 159: 32' M.A.: 11' DEEP, 36" DIA.  
  
 THESE DEPTHS ARE DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.
14. ABANDON EXISTING CONDUIT AND CABLES IN PLACE.
15. CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP LEAD-IN CONDUITS ARE INSTALLED FROM THE EDGE OF THE PAVEMENT TO THE NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF PAVEMENT.
16. EXISTING CONDUITS WILL BE USED FOR NEW DETECTOR LOOPS AS SHOWN IN THE PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUITS DURING CONSTRUCTION. SHOULD ANY DAMAGE TO CONDUITS OCCUR DUE TO THE CONTRACTOR'S OPERATION, THE REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
17. A CONTROLLER CABINET TYPE III AT MID BLOCK CROSSING SHALL BE MOUNTED ON THE PROPOSED SERVICE POLE TO THE SATISFACTION OF THE ENGINEER. THE COST SHALL BE INCLUDED IN PAY ITEM "FULL ACUATED CONTROLLER AND TYPE III CABINET".
18. THE BOTTOM OF THE HOUSING OF A VEHICLE FACE SHALL BE ATLEAST 8' ABOVE THE SIDEWALK.

**TRAFFIC SIGNALS LEGEND**

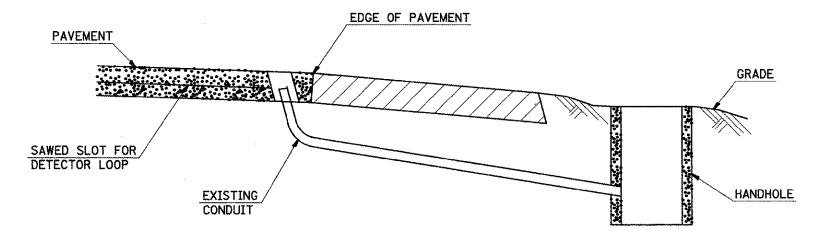
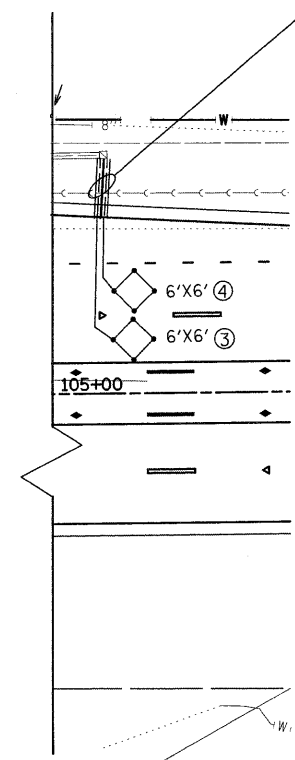
- GSC GALVANIZED STEEL CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT
- EXISTING SIGNAL POST
- EXISTING SIGNAL POST WITH BACKPLATE
- EXISTING TRAFFIC SIGNAL MAST ARM
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING DETECTOR LOOP
- EXISTING CONTROLLER
- EXISTING STREET NAME SIGN/TRAFFIC SIGN
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL HEAD, PEDESTRIAN
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING UNDER GROUND CONDUIT
- PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED DETECTOR LOOP
- PROPOSED CONTROLLER
- PROPOSED PEDESTRIAN PUSHBUTTON DETECTOR
- PROPOSED SIGNAL HEAD, PEDESTRIAN
- PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED
- PROPOSED STREET NAME SIGN/TRAFFIC SIGN
- PROPOSED SERVICE INSTALLATION
- PROPOSED SIGNAL POST
- PROPOSED SIGNAL POST WITH BACKPLATE

FILE NAME =	USER NAME = keplarc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNALS GENERAL NOTES AND LEGEND</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\pw_work\PWIDOT\KEPLARCL\dms79810\0828830-shr-ts.dgn	DRAWN -	REVISED -	600			60-(30,31,128)-1	MADISON	399	176	
PLOT SCALE = 28,0000' / IN.	CHECKED -	REVISED -	<b>CONTRACT NO. 76830</b>							
PLOT DATE = 11/18/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE:					SHEET NO. OF SHEETS		STA. TO STA.			



2-1" PVCC (EXIST)  
INSTALL PROPOSED LOOP LEAD-INS  
IN EXISTING CONDUIT. (SEE DETAIL)

2-1" PVCC-T-13' (EACH)  
SPlice INTO EXISTING CONDUITS  
AT THE HANDHOLE.



DETAIL  
(NO SCALE)

RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

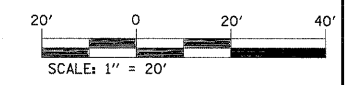
Sta 101+50.00 IL RTE 159 =  
Sta 0+00.00 S MORRISON AVE

**DETECTOR LOOP REPLACEMENT**

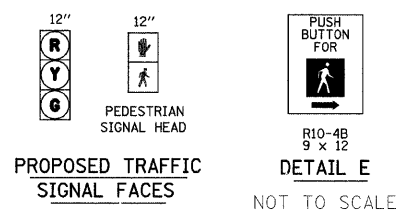
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS  
FOR IL 159 AND MORRISON AVE, NORTH LEG

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
S.B. THRU LN#1	6'X50'	3-6-3	810	2.15
S.B. THRU LN#2	6'X50'	3-6-3	810	2.15
CCO#3	6'X6'	6	348	2.5
CCO#4	6'X6'	6	348	2.5

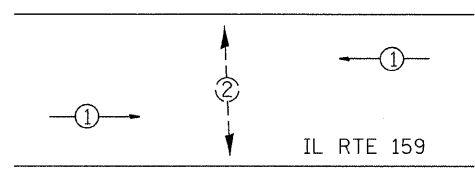
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.



FILE NAME =	USER NAME = pstelbm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL PLAN - IL 159 @ S. MORRISON AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PWIDOT\PA TELBM\dms79810\0874830-shita-ts.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON	399	177
PLOT DATE = 9/28/2009	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76830				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET NO.	OF	SHEETS	STA. TO STA.



PROPOSED TRAFFIC SIGNAL FACES



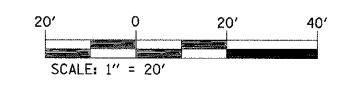
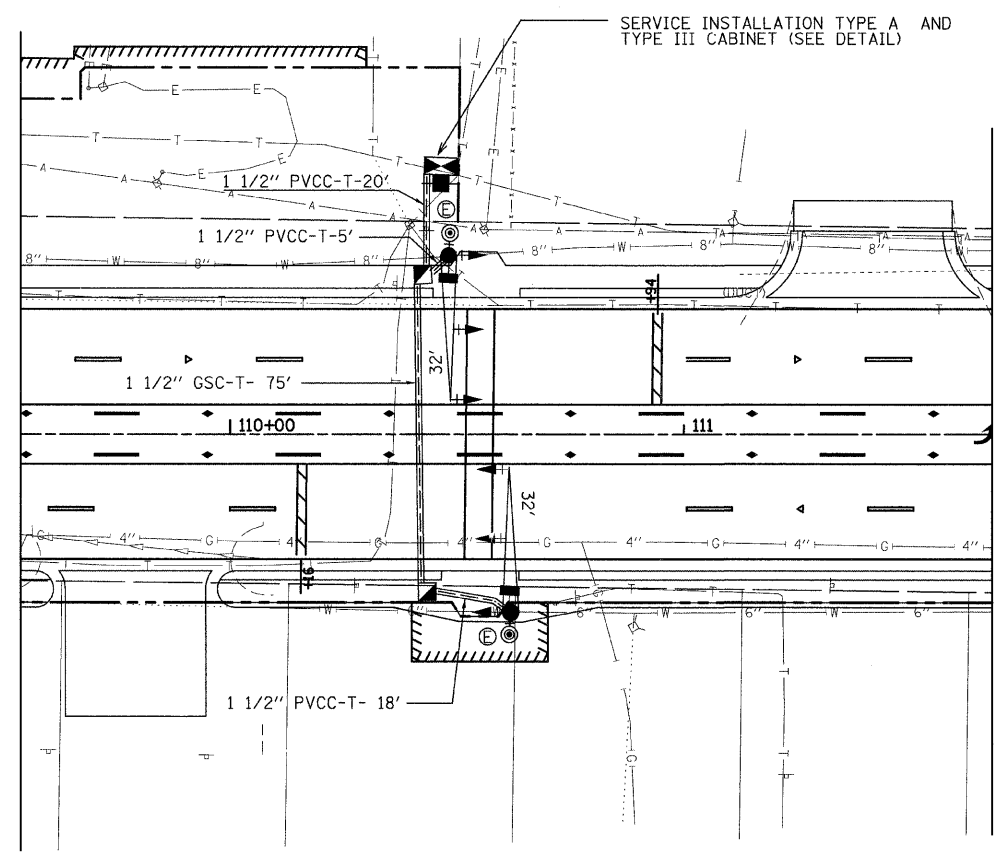
PHASE DESIGNATION DIAGRAM

FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE 1

2 PHASES, IN TYPE III CABINET

PROPOSED OPERATION	
PHASE	1 2
MOVEMENT	→ ↓
CONCURRENT MOVEMENT PERMITTED	NONE NONE

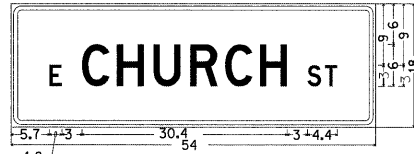
PHASE 2 PERMITTED UPON PEDESTRIAN ACTUATION ONLY. IN "FLASH MODE" - VEHICLE HEAD SHALL FLASH YELLOW AND PEDESTRIAN HEAD SHALL BE DARK.



FILE NAME =	USER NAME = patelbm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL PLAN - MID BLOCK CROSSING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\pww\DOT\PATELBM\des\79810\087830-sha-ts.dgn	630-sha-ts.dgn	DRAWN -	REVISED -			600	60-(30,31,128)-1	MADISON	399	178
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			<b>CONTRACT NO. 76830</b>				
PLOT DATE = 9/28/2009		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

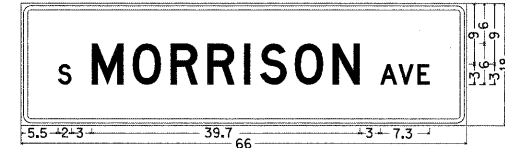
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.





1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;  
[E CHURCH ST] D;

DETAIL-F

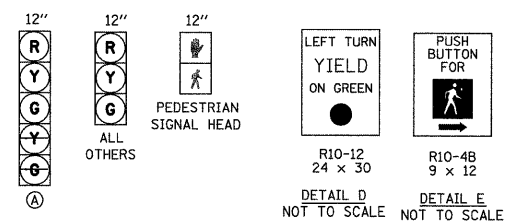
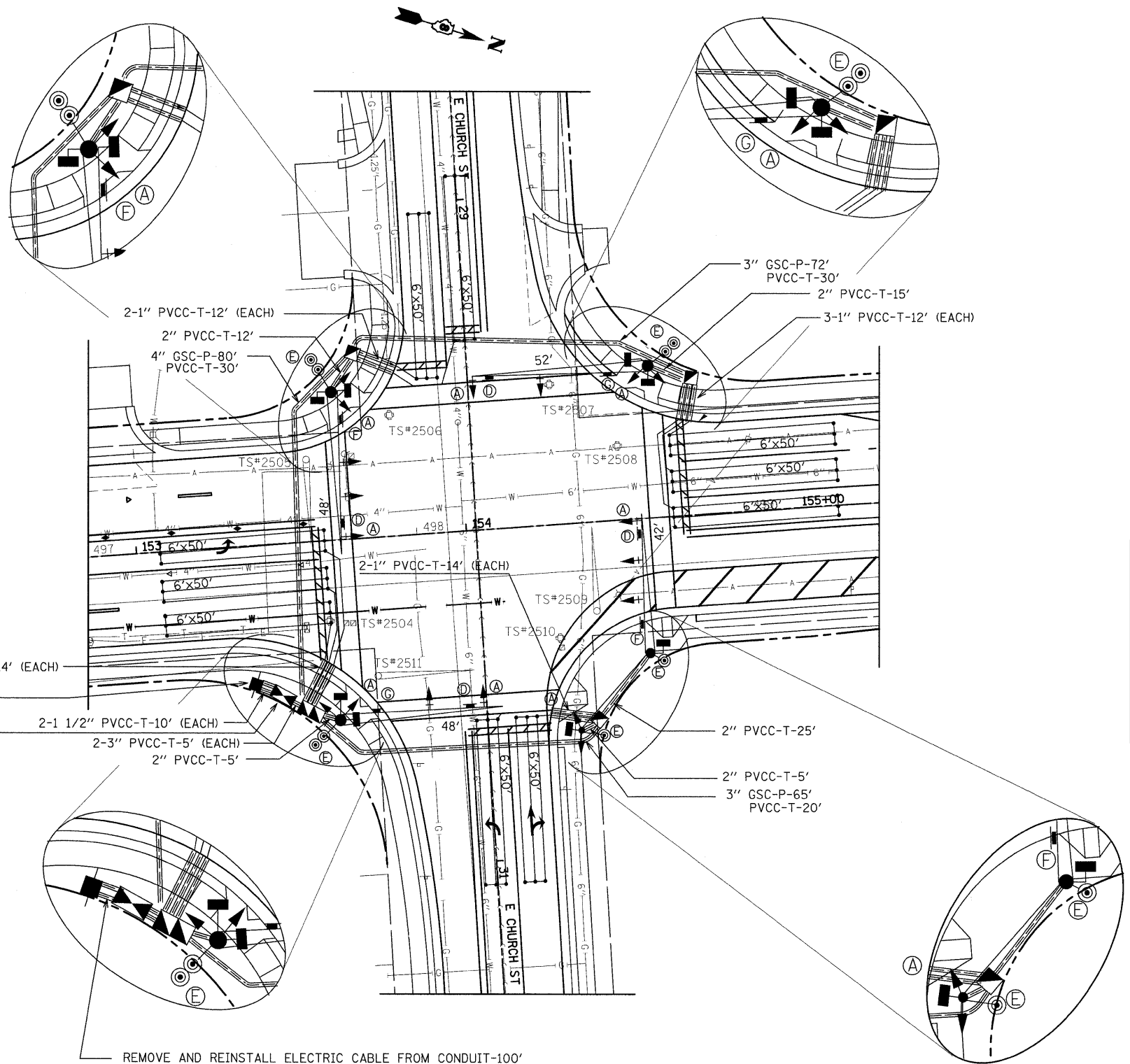


1.5" Radius, 0.6" Border, 0.4" Indent, White on Green;  
[S MORRISON AVE] D;

DETAIL-G

STREET NAME SIGN

NOT TO SCALE



PROPOSED TRAFFIC SIGNAL FACES

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 AND E. CHURCH ST.

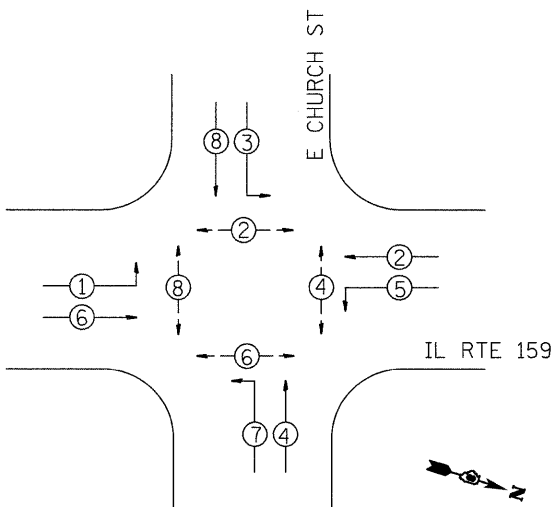
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
NB LT TURN#1	1	6x50	3-6-3	806	2.04
NB THRU LN#2	6	6x50	3-6-3	806	2.04
NB THRU LN#3	6	6x50	3-6-3	806	2.04
SB LT TURN#4	5	6x50	3-6-3	854	3.14
SB THRU LN#5	2	6x50	3-6-3	854	3.14
SB THRU LN#6	2	6x50	3-6-3	854	3.14
EB LT#7	3	6x50	3-6-3	829	2.56
EB THRU LN#8	8	6x50	3-6-3	829	2.56
WB LT#9	7	6x50	3-6-3	822	2.40
WB THRU LN#10	4	6x50	3-6-3	822	2.40

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE 8 PHASES, IN TYPE IV CABINET.

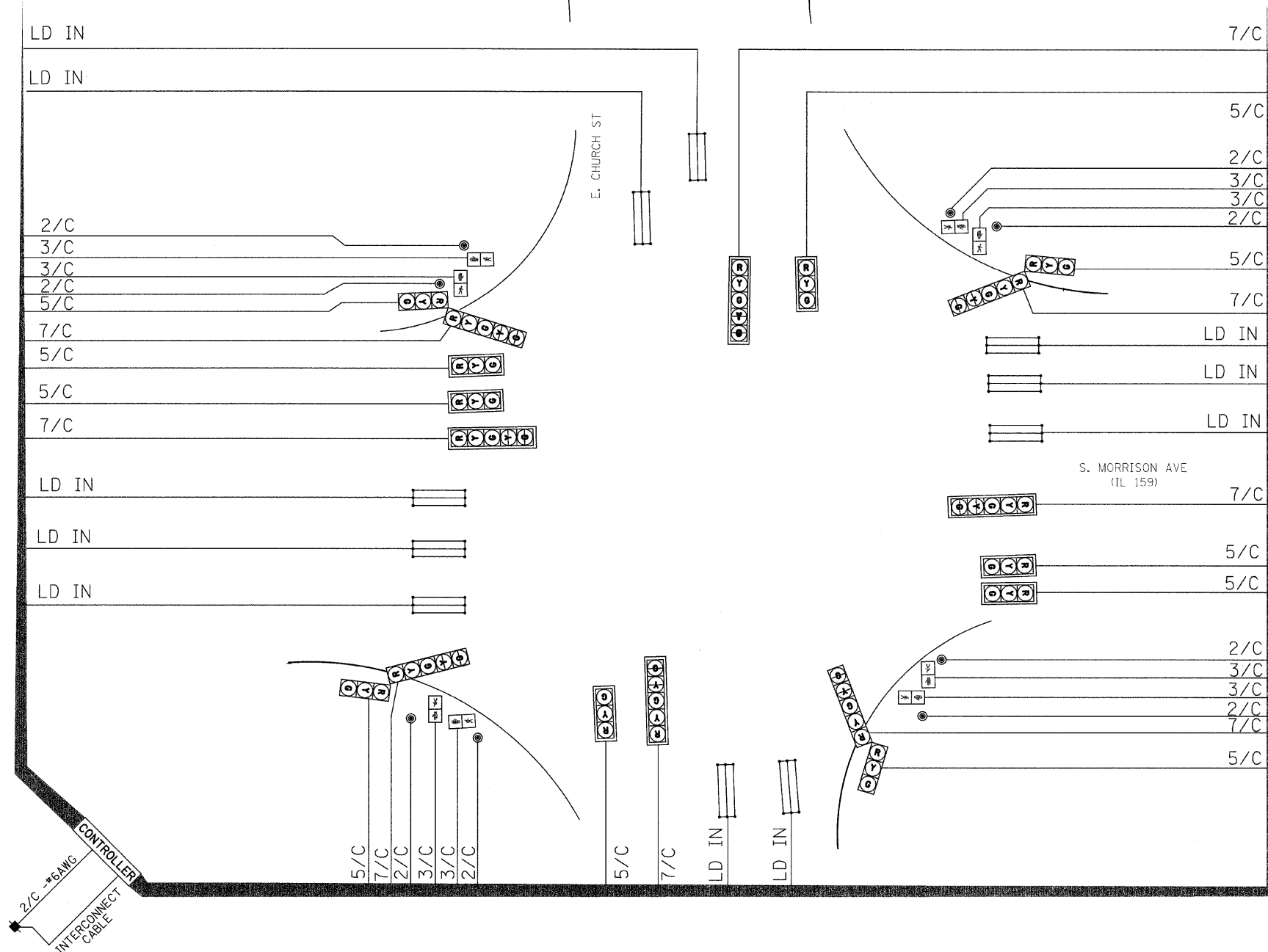
PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←*	↕	↕*	→	←*	↕	↕*
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

\* PEDESTRIAN MOVEMENT DISPLAY UPON ACTUATION ONLY. PHASES 4 AND 8; 2 AND 6 SHALL TIME CONCURRENTLY

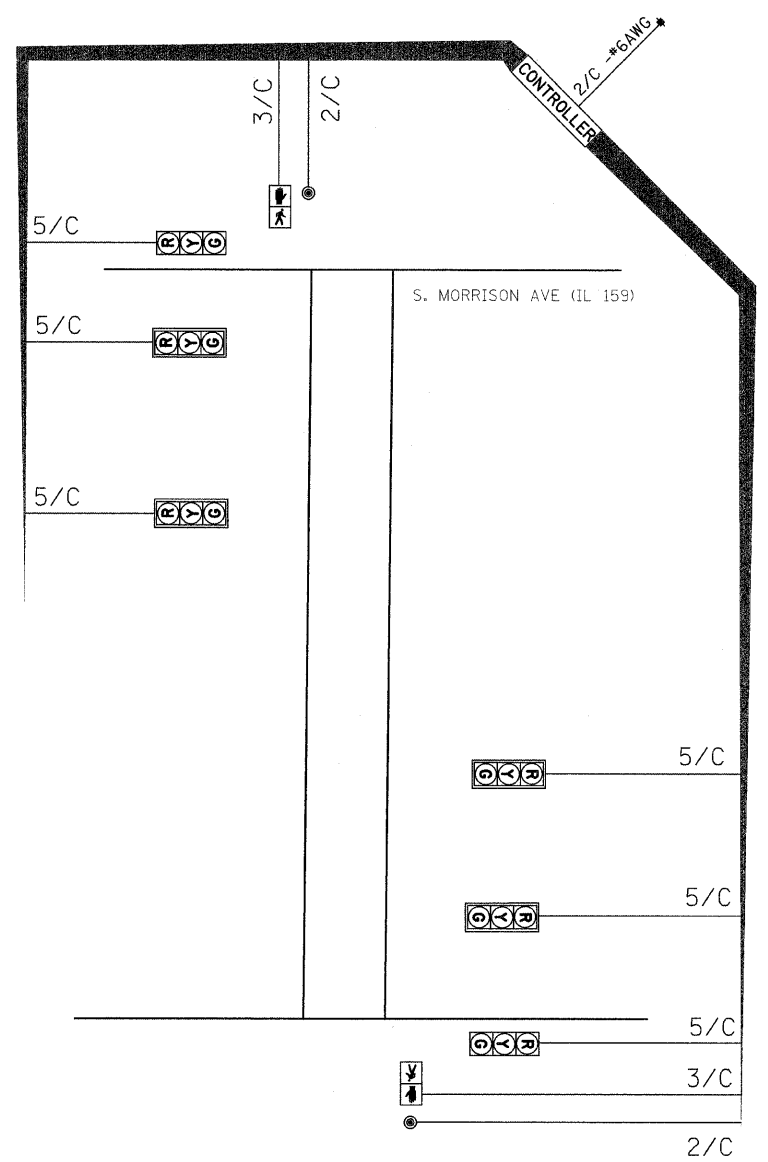


PHASE DESIGNATION DIAGRAM



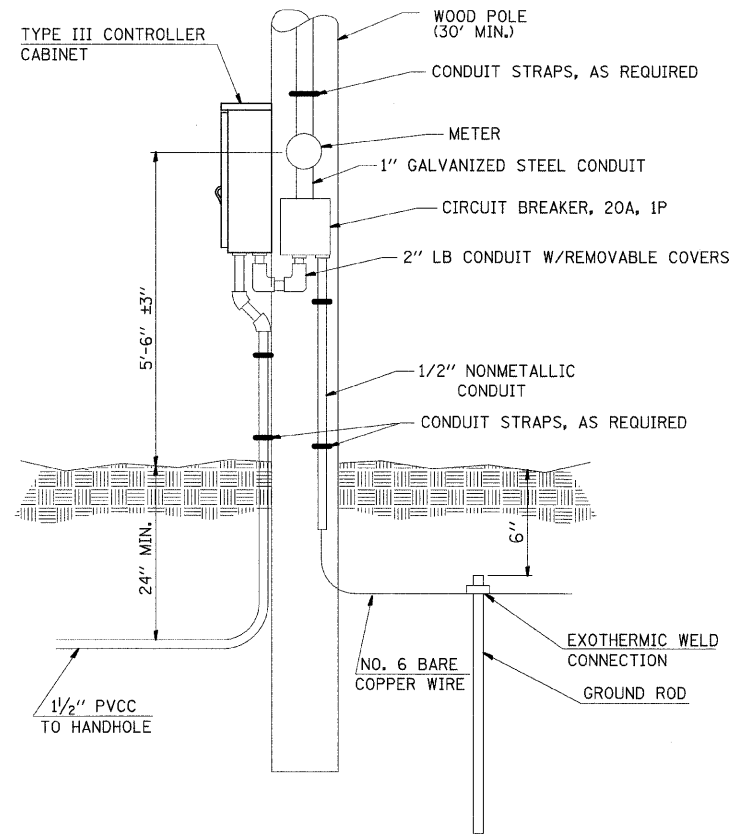


S. MORRISON AVE. AND E. CHURCH ST.



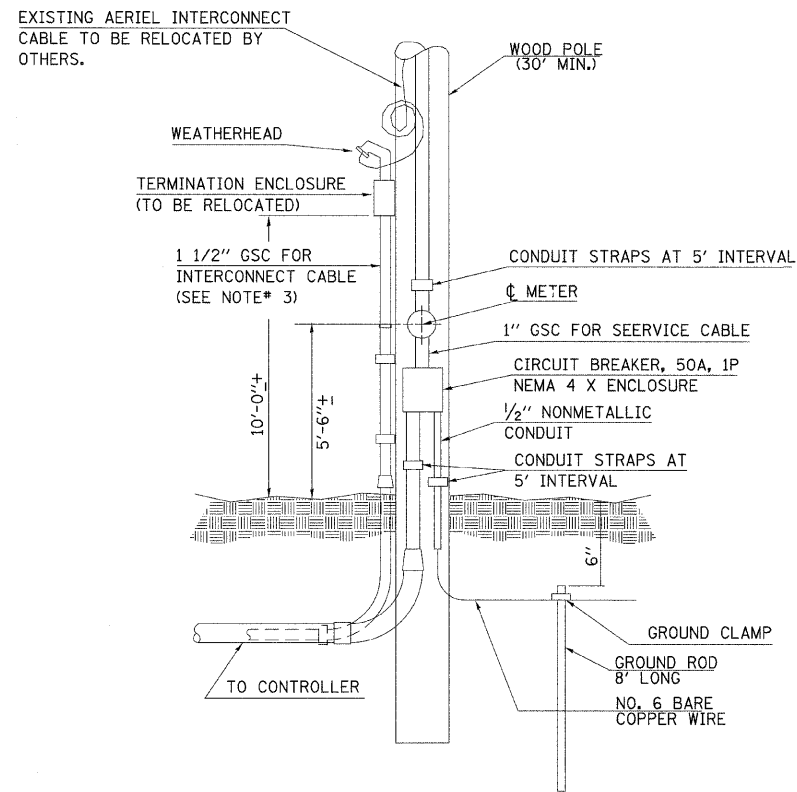
MID-BLOCK CROSSING

FILE NAME = c:\pw\work\NPWIDOT\PA TELBM\des79818\N087	USER NAME = patelbm 838-sha-ts.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CABLE DIAGRAM</b>	F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399	SHEET NO. 180	
PLOT SCALE = 20,000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 76830				
PLOT DATE = 9/28/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								



**SERVICE INSTALLATION TYPE A  
& CONTROLLER CABINET**  
NOT TO SCALE

IL 159, MID-BLOCK CROSSING



**SERVICE INSTALLATION  
TYPE A**

NOT TO SCALE

IL 159 AT E. CHURCH ST.

**NOTES:**

1. VERTICAL CONDUIT SECTION ATTACHED TO THE SERVICE POLE AND RELOCATION OF TERMINATION ENCLOSURE BOX SHALL BE INCIDENTAL TO THE SERVICE INSTALLATION.
2. THE CONTRACTOR SHALL REMOVE TERMINATION ENCLOSURE AND INTERCONNECT CABLE FROM EXISTING FACILITIES, STORE IT, AND RELOCATE ON PROPOSED FACILITIES.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ATTACHMENT FOR UTILITY COMPANY'S SERVICE POLE TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANY.

FILE NAME =	USER NAME = patelbm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNALS DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\pw_work\pwidot\pate\lbn\dss79810\087832-sha-ts.dgn		DRAWN -	REVISED -		600	60-(30,31,128)-1	MADISON	399	181			
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -		<b>CONTRACT NO. 76830</b>							
PLOT DATE = 9/28/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

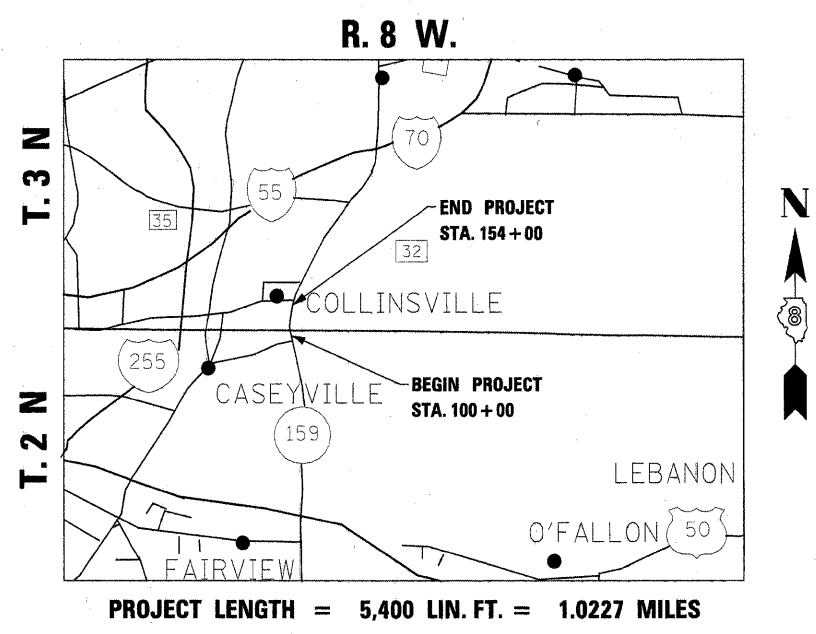
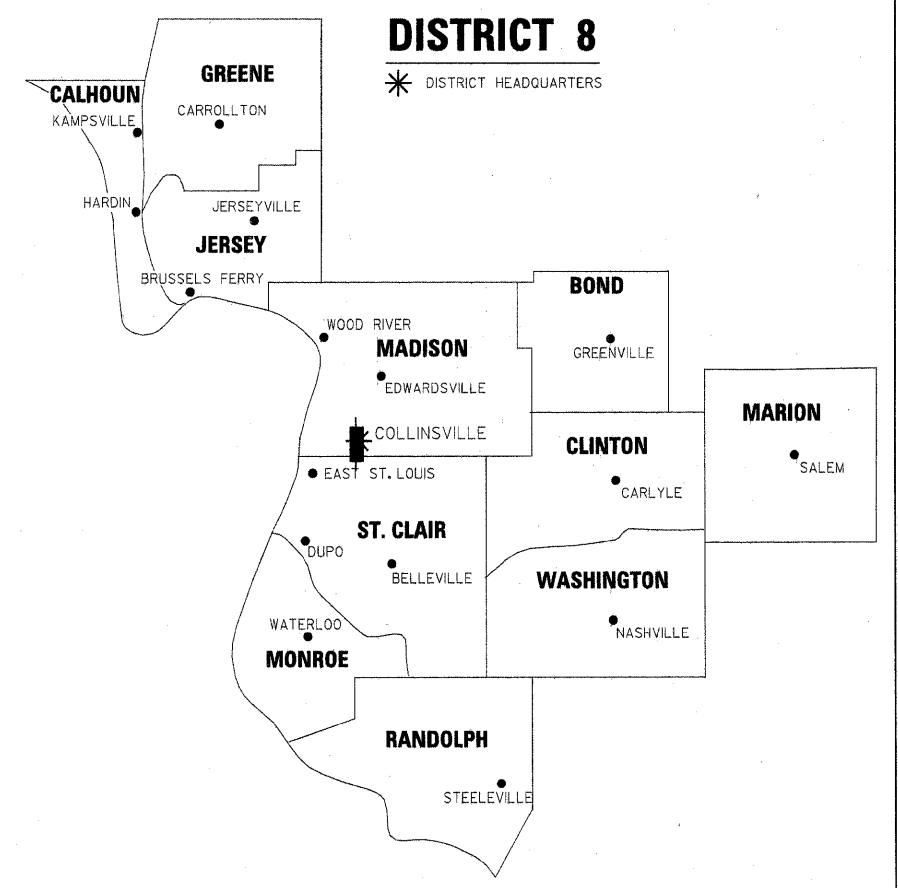
# PLAT OF HIGHWAYS

FAP ROUTE 600 (IL 159)  
SECTION 60-(30,31,128)-1  
ST. CLAIR & MADISON COUNTY  
JOB NO.  
R-98-011-04

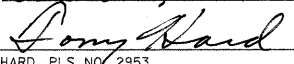
SHEET INDEX		
SHEET NO.	STATION TO STATION	DESCRIPTION
2		NOTES & LEGEND
3	102+00 TO 110+25	PARCELS 8411001-02
4	108+50 TO 110+75	PARCEL 8411003
5	110+75 TO 112+25	PARCELS 8411004-05
6	111+00 TO 116+25	PARCELS 8411006-07
7	114+00 TO 116+75	PARCELS 8411008 & 10
8	115+50 TO 120+00	PARCELS 8411011-12
9	119+00 TO 123+00	PARCELS 8411016-19
10	122+00 TO 125+25	PARCELS 8411020-21
11	123+00 TO 125+50	PARCELS 8411022-23
12	123+75 TO 130+25	PARCEL 8411024
13	125+50 TO 127+25	PARCELS 8411025-27
14	127+00 TO 133+50	PARCELS 8411028-29
15	17+50 TO 19+75 LOOP ST	PARCEL 8411030
16	133+25 TO 135+50	PARCEL 8411031
17	133+50 TO 136+50	PARCELS 8411032-35
18	135+75 TO 136+75	PARCEL 8411036
19	16+00 TO 17+50 LOOP ST	PARCELS 8411037-38
20	136+25 TO 137+75	PARCELS 8411039 & 41
21	136+50 TO 137+50	PARCEL 8411040
22	137+25 TO 138+75	PARCEL 8411042
23	137+50 TO 139+25	PARCELS 8411043 & 45
24	138+50 TO 139+50	PARCEL 8411047
25	139+75 TO 141+25	PARCELS 8411048 & 50
26	139+75 TO 141+25	PARCELS 8411049 & 51
27	141+00 TO 142+75	PARCEL 8411052
28	140+75 TO 144+25	PARCEL 8411053
29	142+50 TO 144+25	PARCELS 8411054 & 57
30	144+75 TO 145+50	PARCEL 8411056
30A	144+75 TO 145+50	PARCEL 84110A56
31	144+00 TO 144+50	PARCELS 8411058-59
32	144+25 TO 146+00	PARCELS 8411060-61
33	145+25 TO 146+50	PARCELS 8411062-63
34	145+75 TO 147+25	PARCELS 8411064 & 66
35	146+25 TO 148+50	PARCELS 8411065, 67, & 69
36	147+50 TO 150+25	PARCELS 8411068 & 72
37	148+25 TO 149+50	PARCEL 8411070
38	149+25 TO 150+25	PARCEL 8411071
39	150+00 TO 151+25	PARCEL 8411073
40	150+00 TO 151+50	PARCELS 8411074-76
41	151+00 TO 152+00	PARCEL 8411077
42	151+25 TO 152+00	PARCEL 8411078
43	152+00 TO 153+75	PARCELS 8411079 & 84
44	28+25 TO 29+25 CHURCH ST.	PARCELS 8411080-81
45	152+00 TO 153+75	PARCELS 8411082-83
46		CONTROL POINT CROSSTIES

SPACE RESERVED FOR RECORDING OFFICER

SPACE RESERVED FOR RECORDING OFFICER



**PREPARED BY:**  
 McDonough-Whitlow, P.C.  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN No. 184-002754

DATED October 5, 2009  
  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

LOCATION OF SECTION INDICATED THUS: 

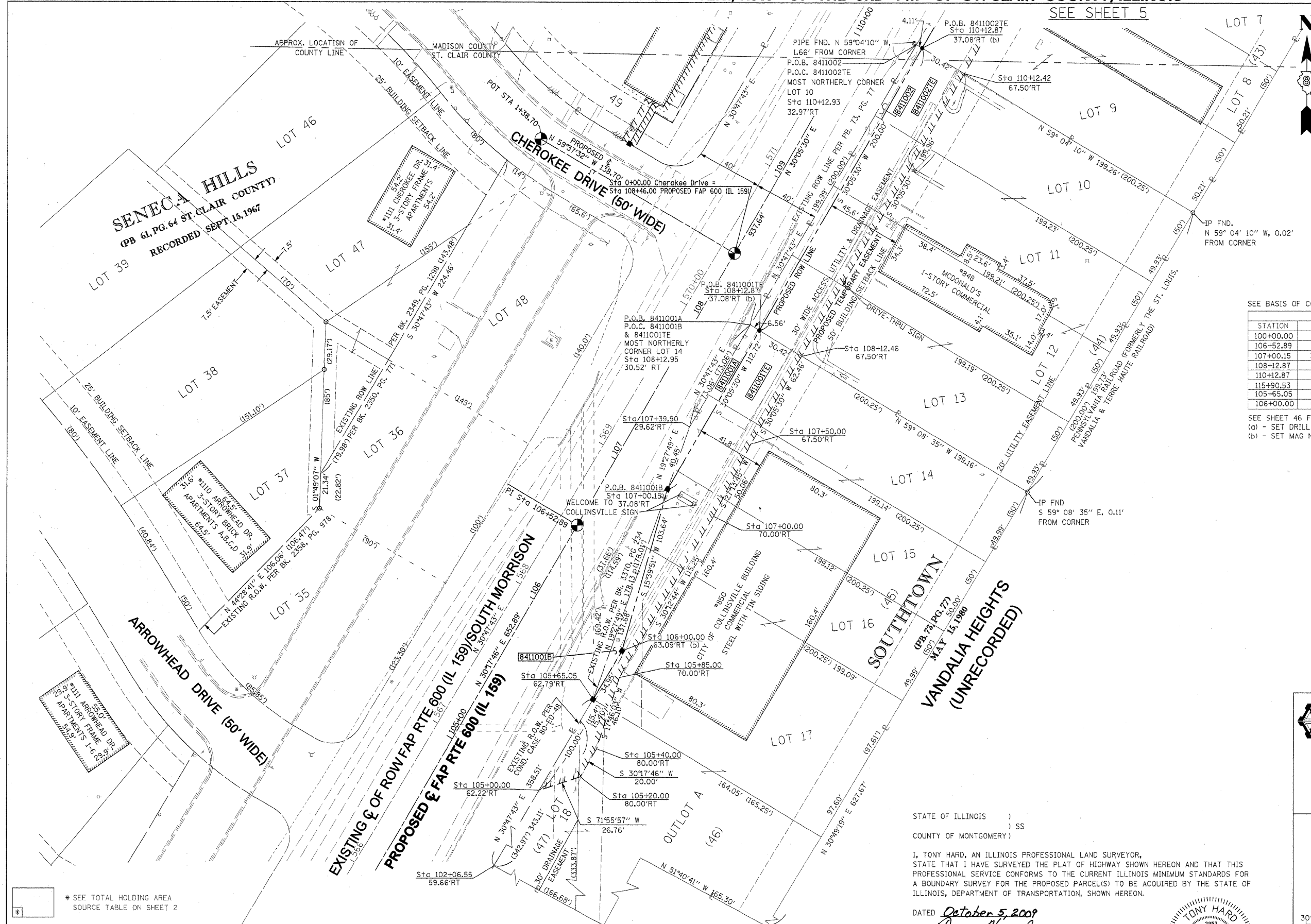
SET 1 OF 2  
SHEET 1 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR & MADISON	399	182
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76830	



PART OF U.S. SURVEY 393 CLAIM 609 IN T2N., R8W OF THE 3RD PM OF ST. CLAIR COUNTY, ILLINOIS

SEE SHEET 5



SPACE RESERVED FOR RECORDING OFFICER

SPACE RESERVED FOR RECORDING OFFICER

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
100+00.00	P.I.	724,420.1376	347,900.8680
106+52.89	P.I.	724,983.8610	348,230.2313
107+00.15	37.08' RT	725,006.1582	348,286.0081
108+12.87	37.08' RT	725,103.6660	348,342.5239
110+12.87	37.08' RT	725,276.7332	348,442.8019
115+90.53	P.I.	725,795.1323	348,700.3499
105+65.05	62.79' RT	724,876.3431	348,240.1307
106+00.00	63.09' RT	724,906.3672	348,258.0253

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		PREVIOUSLY DEDICATED AND/OR USED		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		PE = PERMANENT	TE = TEMPORARY		
841001	CITY OF COLLINSVILLE TITLE REPORT NO. SC-4943.0	2.4519	A=0.0152 B=0.0109	A=660 B=473	0	0	A=0.0152 B=0.0109	A=660 B=473	2.4258	TE=0.1530	TE=6,664	03-04.0-204-033 03-04.0-204-034 03-04.0-204-035 03-04.0-204-036 03-04.0-204-037 03-04.0-204-038	
841002	GOLDEN ARCH LIMITED PARTNERSHIP, A DELAWARE CORPORATION TITLE REPORT NO. SC-4942.0	0.9140	0.0245	1,067	0	0	0.0245	1,067	0.8895	TE=0.1397	TE=6,083	03-04.0-204-029 03-04.0-204-030 03-04.0-204-031 03-04.0-204-032	

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 ST. CLAIR COUNTY  
 JOB NO. R-98-011-04  
 STATION 102+00 TO STATION 110+25

SCALE: 1" = 30'		SHEET 3 OF 46	
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
600	60-(30,31,128)-1	ST. CLAIR	399 184
COMPLETION DATE OF FIELD WORK PERFORMED		CONTRACT NO. 76830	
LAND SURVEY: 10/11/08	ROW STAKING: 09-17-09	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

**PART OF U.S. SURVEY 393 CLAIM 609 IN T.3N., R.8W., MADISON COUNTY, ILLINOIS & T.2N., R.8W., ST. CLAIR COUNTY, ILLINOIS OF THE 3RD PM**

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
108+71.73	86.00' LT	725,216.3297	348,265.5471
108+71.78	90.00' LT	725,218.3777	348,262.1108
108+96.00	73.50' LT	725,231.0583	348,288.5292
108+96.00	86.00' LT	725,237.3256	348,277.7139
109+01.30	83.15' LT	725,240.4811	348,282.8401
109+01.39	90.00' LT	725,243.9927	348,276.9543
109+65.57	82.33' LT	725,295.6742	348,315.7698
109+65.60	85.00' LT	725,297.0433	348,313.4751
109+67.00	73.50' LT	725,292.4893	348,324.1274
109+67.00	79.50' LT	725,295.4976	348,318.9361
109+68.00	80.50' LT	725,296.8642	348,318.5722
110+30.00	85.00' LT	725,352.7643	348,345.7645
110+30.00	80.50' LT	725,350.5081	348,349.6580
110+50.20	46.57' LT	725,350.9773	348,389.1398
110+50.62	80.50' LT	725,368.3456	348,359.9946
106+52.89	PI	724,983.8610	348,230.2313
115+90.53	PI	725,795.1323	348,700.3499
108+91.27	48.53' LT	725,214.4487	348,307.7678
108+71.52	68.77' LT	725,207.5080	348,280.3483

**CURVE C49**  
L = 31.42'  
R = 20.00'  
C = 28.28'  
CB = S 75° 47' 43" W

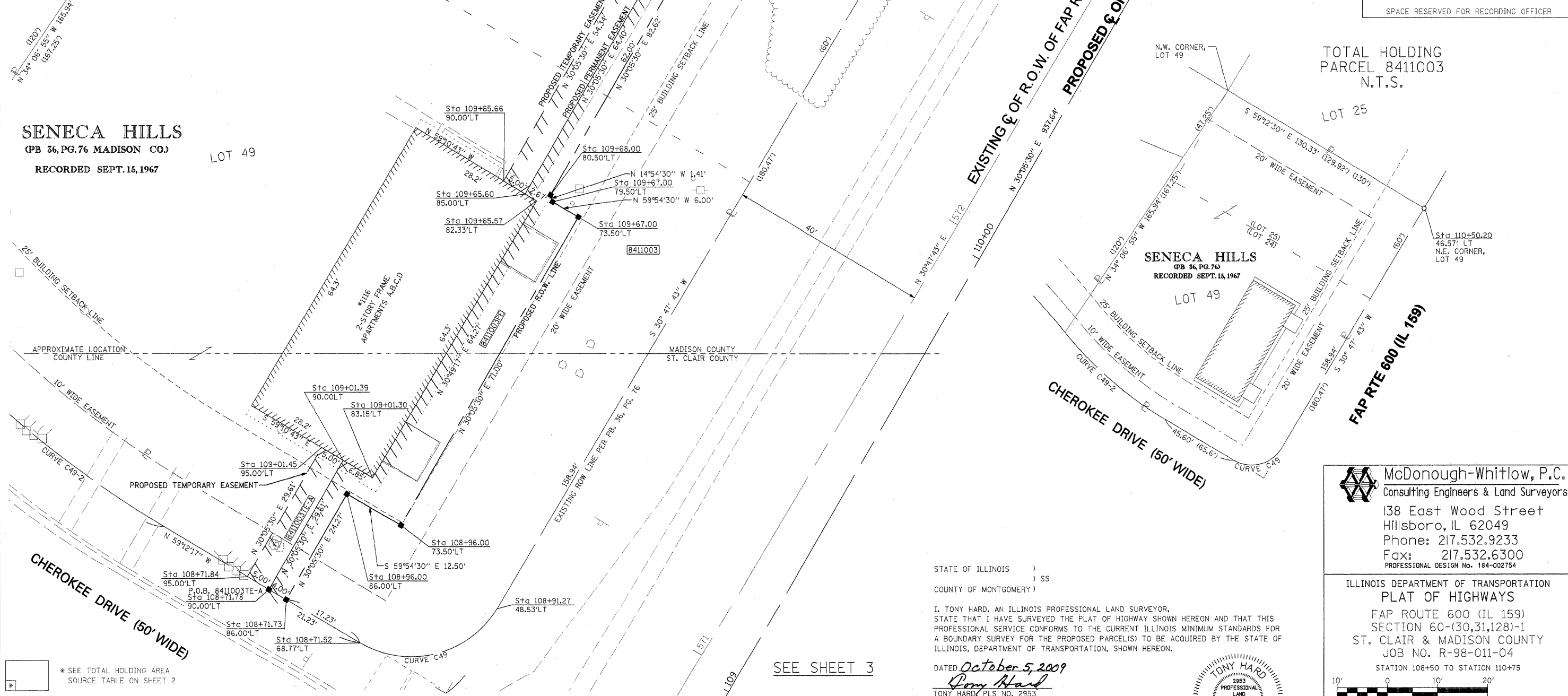
**CURVE C49-2**  
L = 75.91' (76.27')  
R = 214.94'  
C = 75.52'  
CB = N 49° 05' 13" W

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES  
(a) - SET DRILL HOLE WITH MAG NAIL  
(b) - SET MAG NAIL OR LANDSCAPE NAIL

(120)  
N 34° 08' 55" W 165.94'  
(167.23)

**SENECA HILLS**  
(PB 36, PG. 76 MADISON CO.)  
RECORDED SEPT. 15, 1967

LOT 49



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY		
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.	REMAINDER ACRES	PE = PERMANENT TE = TEMPORARY ACRES			SO. FT.	
8411003	MPG, INC. TITLE REPORT NO. MA-3418.0, SC-5888.0	0.5472	0.1245	5,425	0.1245	5,425	0.4227	PE 0.0248 TE-A 0.0034 TE-B 0.0223	1,079 148 972	PE-RETAINING WALL CONSTRUCTION & MAINTENANCE, AND GRADING TE-A-GRADING TE-B-GRADING	13-2-21-33-20-401-013 03-04.0-210-001	

STATE OF ILLINOIS )  
COUNTY OF MONTGOMERY ) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
TONY HARD, PLS. NO. 2953



(License Expires: 11/30/10)

TOTAL HOLDING PARCEL 8411003 N.T.S.

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
138 East Wood Street  
Hillsboro, IL 62049  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 600 (IL 159)  
SECTION 60-(30,31,128)-1  
ST. CLAIR & MADISON COUNTY  
JOB NO. R-98-011-04  
STATION 108+50 TO STATION 110+75

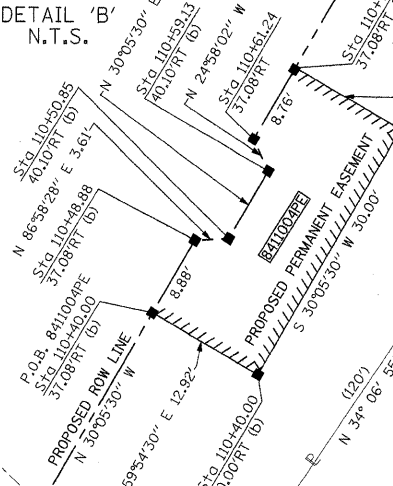
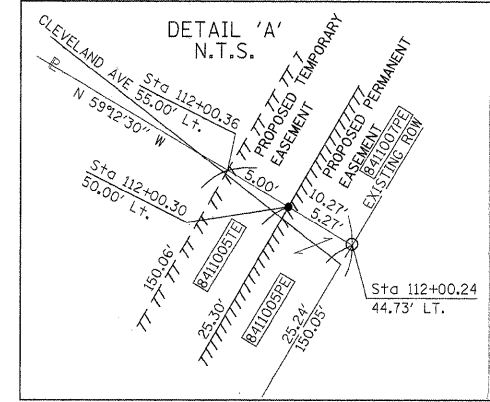
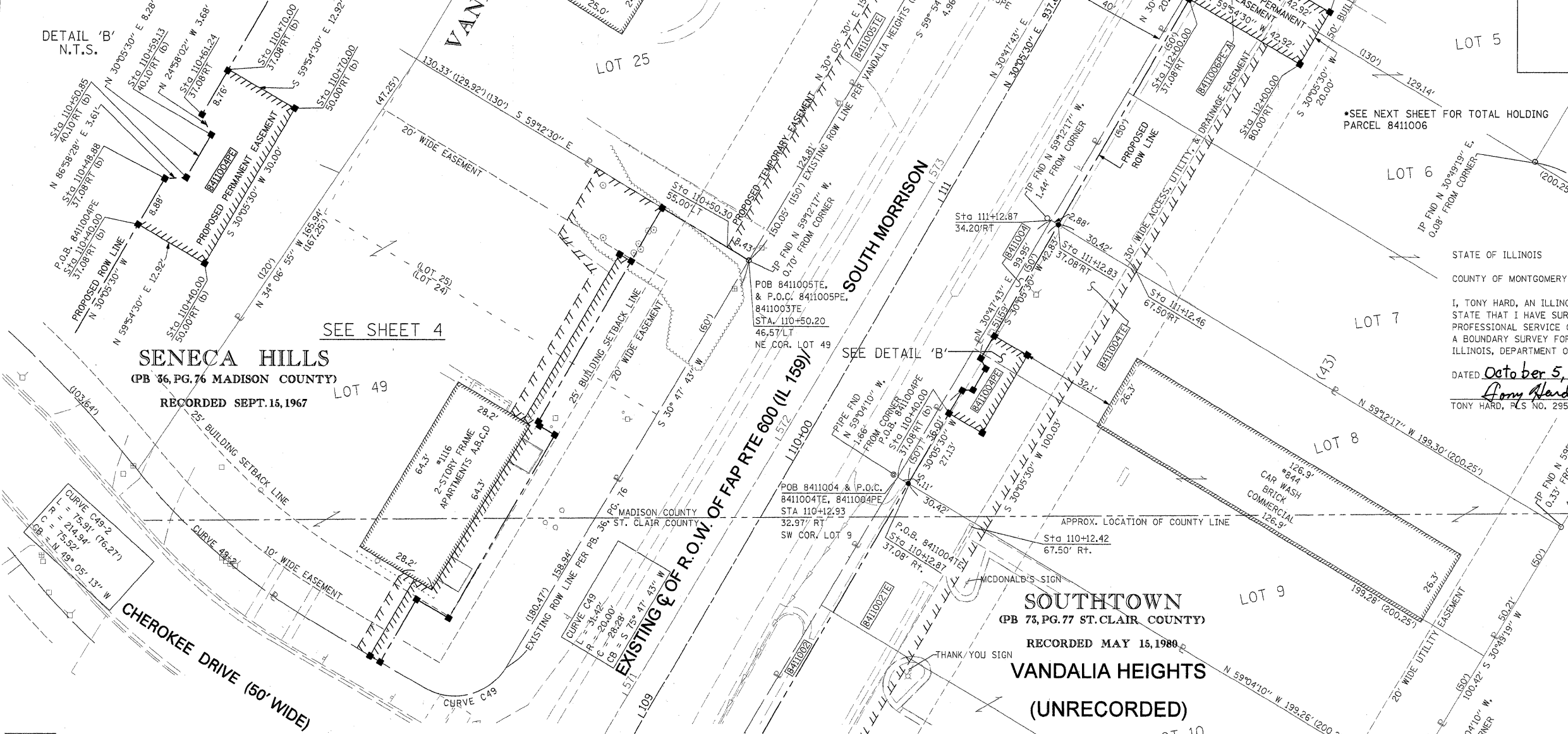
SCALE: 1" = 10'		SHEET 4 OF 46	
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINGSVILLE, ILLINOIS 62234-6198			
F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY ST. CLAIR & MADISON	TOTAL SHEET NO. 399 185
COMPLETION DATE OF FIELD WORK PERFORMED		CONTRACT NO. 76830	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

PART OF U.S. SURVEY 393 CLAIM 609 IN T.3N., R.8W., MADISON COUNTY, ILLINOIS & T.2N., R.8W., ST. CLAIR COUNTY, ILLINOIS OF THE 3RD PM

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
111+12.83	37.08' RT	725,363.2236	348,492.9217
110+12.87	37.08' RT	725,276.7332	348,442.8019
110+40.00	37.08' RT	725,300.2077	348,456.4050
110+40.00	50.00' RT	725,293.7298	348,467.5837
110+70.00	50.00' RT	725,319.6865	348,482.6252
110+70.00	37.08' RT	725,326.1644	348,471.4465
110+61.24	37.08' RT	725,318.5850	348,467.0544
110+59.13	40.10' RT	725,315.2051	348,468.6787
110+50.85	40.10' RT	725,308.0812	348,464.4580
110+48.88	37.08' RT	725,307.8908	348,460.8573
112+00.24	44.73' LT	725,479.8688	348,465.9600
111+75.00	45.04' LT	725,458.1877	348,453.0379
112+00.30	50.00' LT	725,482.5658	348,461.4343
111+75.00	50.00' LT	725,460.6735	348,448.7481
106+52.89	PI	724,983.8610	348,230.2313
115+90.53	PI	725,795.1323	348,700.3499
112+00.00	37.08' RT	725,438.6436	348,536.6264
112+00.00	80.00' RT	725,417.1242	348,573.7619
112+20.00	80.00' RT	725,434.4287	348,583.7896
112+20.00	37.08' RT	725,455.9481	348,546.6541
112+90.00	37.08' RT	725,516.5139	348,581.7510
112+90.00	50.00' RT	725,510.0360	348,592.9297
113+10.00	50.00' RT	725,527.3405	348,602.9574
113+10.00	37.08' RT	725,533.8184	348,591.7787

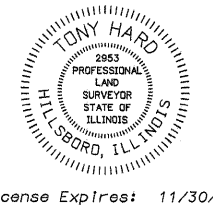
SEE SHEET 46 FOR CONTROL POINTS WITH CROSS-TIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



\*SEE NEXT SHEET FOR TOTAL HOLDING PARCEL 8411006

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )  
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR,  
 STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS  
 PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR  
 A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF  
 ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
Tony Hard  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 ST. CLAIR & MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 110+75 TO STATION 112+25

SCALE: 1" = 20'

SHEET 5 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	ST. CLAIR & MADISON	399	186

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 10-11-05    ROW STAKING: 09-19-09

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT TE = TEMPORARY	EASEMENT PURPOSE				
8411004	SARATH K. GUNAWARDHANA TITLE REPORT NO. MA-3415.0, SC-4941.0	0.4583	0.0087	380	0.0087	380	0.4496	TE 0.0609 PE 0.0082	2,654 356	TE GRADING & ENTRANCE CONSTRUCTION PE SIGNAL LIGHT CONSTRUCTION & MAINTENANCE	13-2-21-33-20-401-030 03-04-0-204-028
8411005	ROBERT B. & DENISE K. FOWLER, AS JOINT TENANTS TITLE REPORT NO. MA-3419.0	0.4487	0	0	0	0	0.4487	TE 0.0292 PE 0.0030	1,273 129	TE GRADING & ENTRANCE CONSTRUCTION PE GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-1-21-33-20-401-008

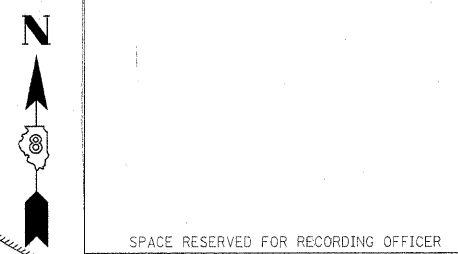
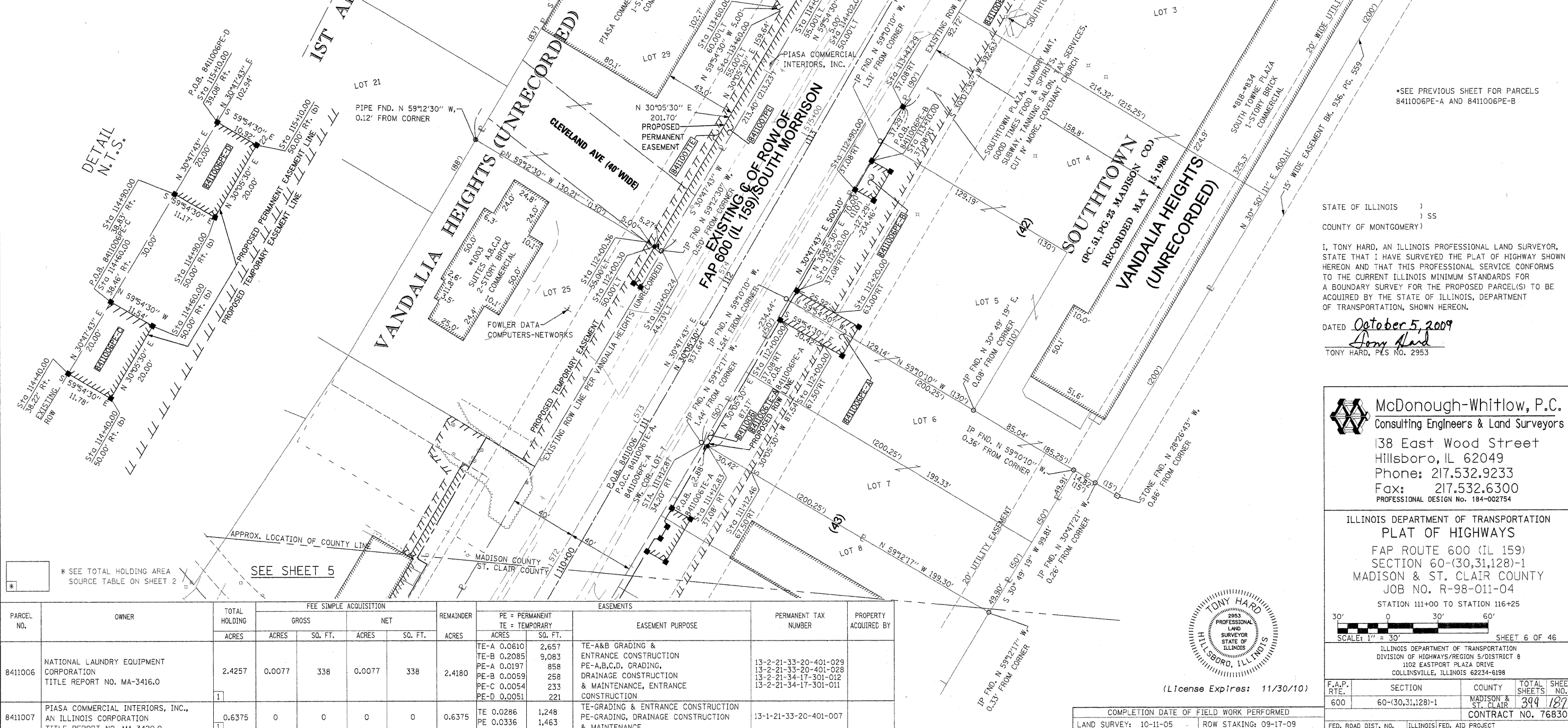


PART OF U.S. SURVEY 393 CLAIM 609 IN T.3N., R.8W., OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
111+12.83	37.08' RT	725,363.2236	348,492.9217	
112+00.00	80.00' RT	725,417.1242	348,573.7619	
112+20.00	80.00' RT	725,434.4287	348,583.7896	
116+13.36	40.10' RT	725,794.2839	348,746.4849	
115+10.00	39.08' RT	725,705.8615	348,693.7845	
115+10.00	50.00' RT	725,700.3855	348,703.2342	
114+90.00	50.00' RT	725,683.0810	348,693.2065	
114+90.00	38.83' RT	725,688.6801	348,683.5443	
114+60.00	38.46' RT	725,662.9081	348,668.1840	
114+60.00	50.00' RT	725,657.1242	348,678.1650	
114+40.00	50.00' RT	725,639.8198	348,668.1373	
114+40.00	38.22' RT	725,645.7268	348,657.9438	
113+47.29	37.08' RT	725,566.0806	348,610.4741	
113+10.00	37.08' RT	725,533.8184	348,591.7787	
113+10.00	50.00' RT	725,527.3405	348,602.9574	
112+90.00	50.00' RT	725,510.0360	348,592.9297	
112+90.00	37.08' RT	725,516.5139	348,581.7510	
112+20.00	37.08' RT	725,455.9481	348,546.6541	
112+00.00	37.08' RT	725,438.6436	348,536.6264	
112+00.30	50.00' LT	725,482.5658	348,461.4343	
114+13.78	55.00' LT	725,669.7779	348,564.1418	
114+02.00	55.00' LT	725,659.5865	348,558.2361	
114+02.00	50.00' LT	725,657.0796	348,562.5622	
106+52.89	PI	724,983.8610	348,230.2313	
115+90.53	PI	725,795.1323	348,700.3499	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



\*SEE PREVIOUS SHEET FOR PARCELS 8411006PE-A AND 8411006PE-B

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, P.L.S. NO. 2953

**McDonough-Whitlow, P.C.**  
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON & ST. CLAIR COUNTY  
 JOB NO. R-98-011-04  
 STATION 111+00 TO STATION 116+25

SCALE: 1" = 30'

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINGSVILLE, ILLINOIS 62234-6198

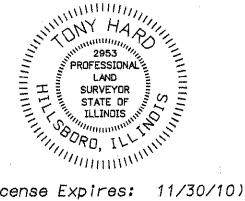
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON & ST. CLAIR	399	187

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 10-11-05      ROW STAKING: 09-17-09

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

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.		PE = PERMANENT ACRES	SQ. FT.			
												TE = TEMPORARY
8411006	NATIONAL LAUNDRY EQUIPMENT CORPORATION TITLE REPORT NO. MA-3416.0	2.4257	0.0077	338	0.0077	338	2.4180	TE-A 0.0610 TE-B 0.2085 PE-A 0.0197 PE-B 0.0059 PE-C 0.0054 PE-D 0.0051	2,657 9,083 858 258 233 221	TE-A&B GRADING & ENTRANCE CONSTRUCTION PE-A,B,C,D, GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE, ENTRANCE CONSTRUCTION	13-2-21-33-20-401-029 13-2-21-33-20-401-028 13-2-21-34-17-301-012 13-2-21-34-17-301-011	
8411007	PIASA COMMERCIAL INTERIORS, INC., AN ILLINOIS CORPORATION TITLE REPORT NO. MA-3420.0	0.6375	0	0	0	0	0.6375	TE 0.0286 PE 0.0336	1,248 1,463	TE-GRADING & ENTRANCE CONSTRUCTION PE-GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-1-21-33-20-401-007	



**PART OF U.S. SURVEY 393 CLAIM 609 IN T.3N., R.8W., OF THE 3RD PM, MADISON COUNTY, ILLINOIS**

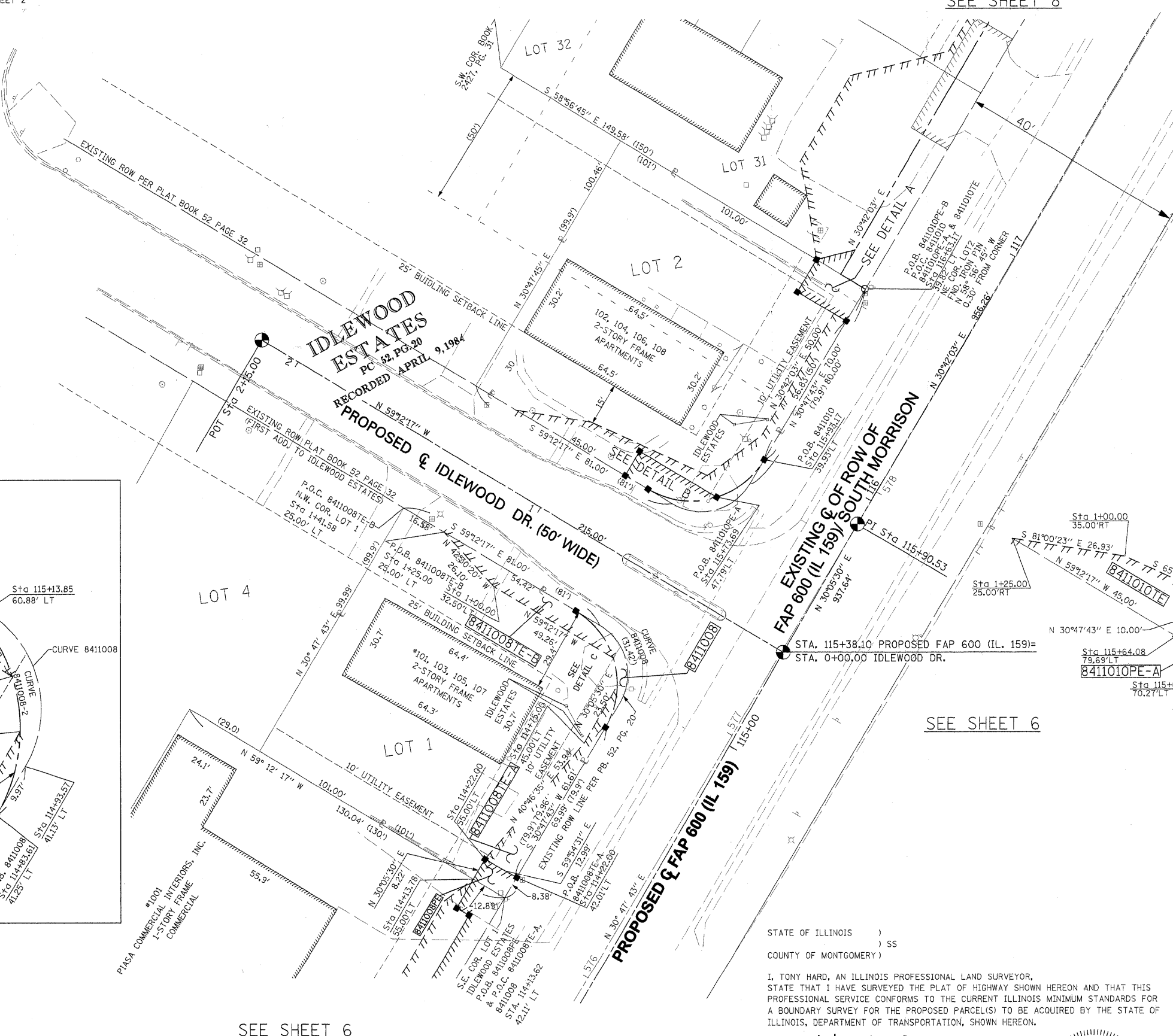
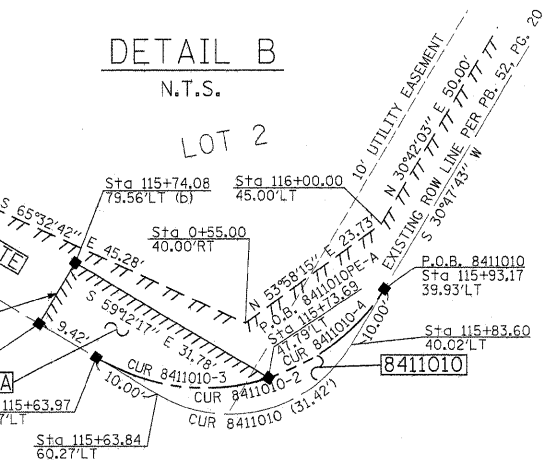
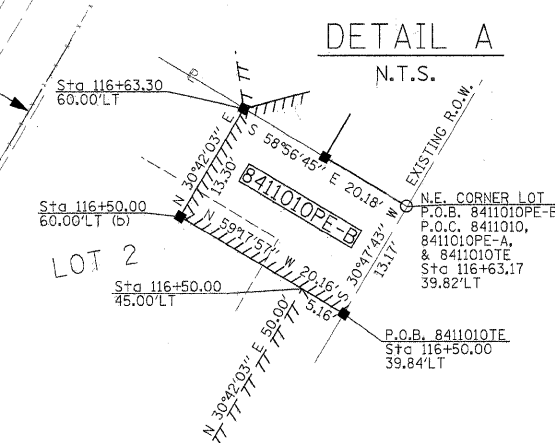
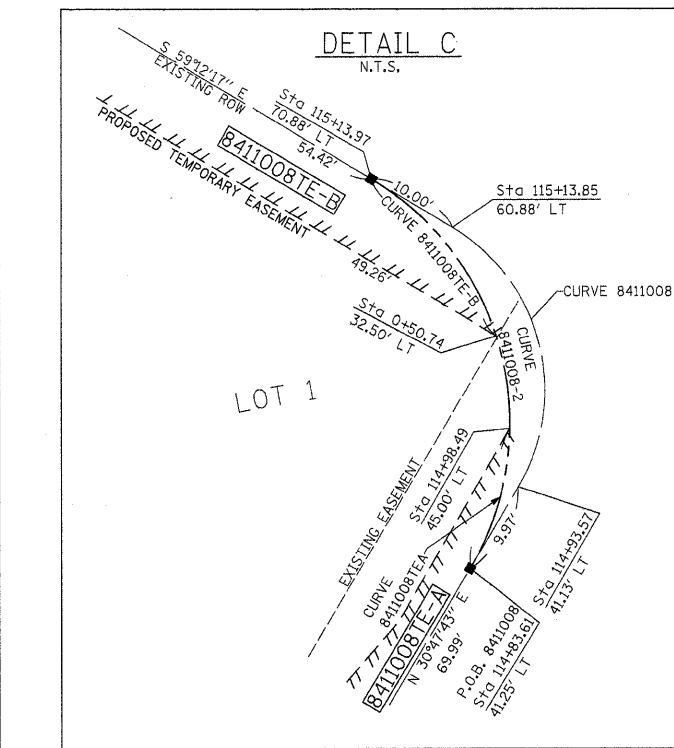
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

SEE SHEET 8

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
114+22.00	42.01' LT	725,670.3773	348,579.5044	
114+13.78	55.00' LT	725,669.7779	348,564.1418	
114+22.00	55.00' LT	725,676.8910	348,568.2638	
114+83.61	41.25' LT	725,723.3004	348,611.0469	
115+13.97	70.88' LT	725,764.4296	348,600.6359	
116+50.00	39.84' LT	725,866.6056	348,696.4578	
116+50.00	60.00' LT	725,876.8995	348,679.1213	
116+63.30	60.00' LT	725,888.3329	348,685.9102	
116+63.17	39.82' LT	725,877.9208	348,703.2018	
115+63.97	70.27' LT	725,807.3797	348,626.2345	
115+93.17	39.93' LT	725,817.7906	348,667.3638	
115+64.08	79.69' LT	725,812.2027	348,618.1423	
115+74.08	79.56' LT	725,820.7928	348,623.2620	
115+73.69	47.79' LT	725,804.5217	348,650.5621	
106+52.89	PI	724,983.8610	348,230.2313	
115+90.53	PI	725,795.1323	348,700.3499	
115+38.10	PI	725,749.7700	348,674.0632	
2+15.00	POT	725,859.8438	348,489.3777	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

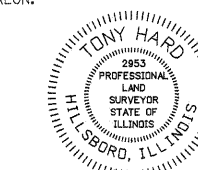
CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
8411008	31.45'	20.00'	28.31'	S 14°09'42" E
8411008-2	47.12'	30.00'	42.43'	N 14°12'17" W
8411008TE-A	15.53'	30.00'	15.36'	S 15°57'54" W
8411008TE-B	21.68'	30.00'	21.21'	S 38°30'00" E
8411010	31.42'	20.00'	28.28'	S 75°47'43" W
8411010-2	47.12'	30.00'	42.43'	N 75°47'43" E
8411010-3	25.23'	30.00'	24.49'	N 83°17'58" W
8411010-4	21.89'	30.00'	21.41'	S 51°42'01" W



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.		PE = PERMANENT TE = TEMPORARY ACRES	SO. FT.			EASEMENT PURPOSE
8411008	EQUITY INVESTMENT COMPANY, A PARTNERSHIP TITLE REPORT NO. MA-3421.0	0.2299	0.0025	107	0.0025	107	0.2274	PE 0.0025 TE-A 0.0117 TE-B 0.0096	107 511 416	GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE GRADING GRADING	13-2-21-33-20-401-032	
8411010	EQUITY INVESTMENT COMPANY, A PARTNERSHIP TITLE REPORT NO. MA-3421.0	0.2304	0.0025	107	0.0025	107	0.2279	PE-A 0.0057 PE-B 0.0061 TE 0.0214	249 267 930	STORM SEWER CONSTRUCTION & MAINTENANCE, AND GRADING GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE GRADING	13-2-21-33-20-401-031	

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )  
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.  
 DATED October 5, 2009  
*Danny Hard*  
 TONY HARD, PLS NO. 2953



**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON & ST. CLAIR COUNTY  
 JOB NO. R-98-011-04  
 STATION 114+00 TO STATION 116+75  
 SCALE: 1" = 20'  
 SHEET 7 OF 46  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	188

COMPLETION DATE OF FIELD WORK PERFORMED:  
 LAND SURVEY: 10-11-05    ROW STAKING: 09-17-09  
 CONTRACT NO. 76830  
 FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT

PART OF THE U.S. SURVEY 393 CLAIM 609 IN T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
0+00.00	PI	725,749.7700	348,674.0632	
2+15.00	PI	725,859.8438	348,489.3777	
106+52.89	PI	724,983.8610	348,230.2313	
115+90.53	PI	725,795.1323	348,700.3499	
116+63.17	39.82' LT	725,877.9208	348,703.2018	
116+63.24	50.00' LT	725,883.1743	348,694.4771	
116+63.30	60.00' LT	725,888.3329	348,685.9102	
116+73.24	50.00' LT	725,891.7730	348,699.5828	
119+83.18	50.00' LT	726,158.2772	348,857.8263	
119+83.18	39.29' LT	726,152.8075	348,867.0361	
125+46.79	PC	726,617.3704	349,188.5743	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009

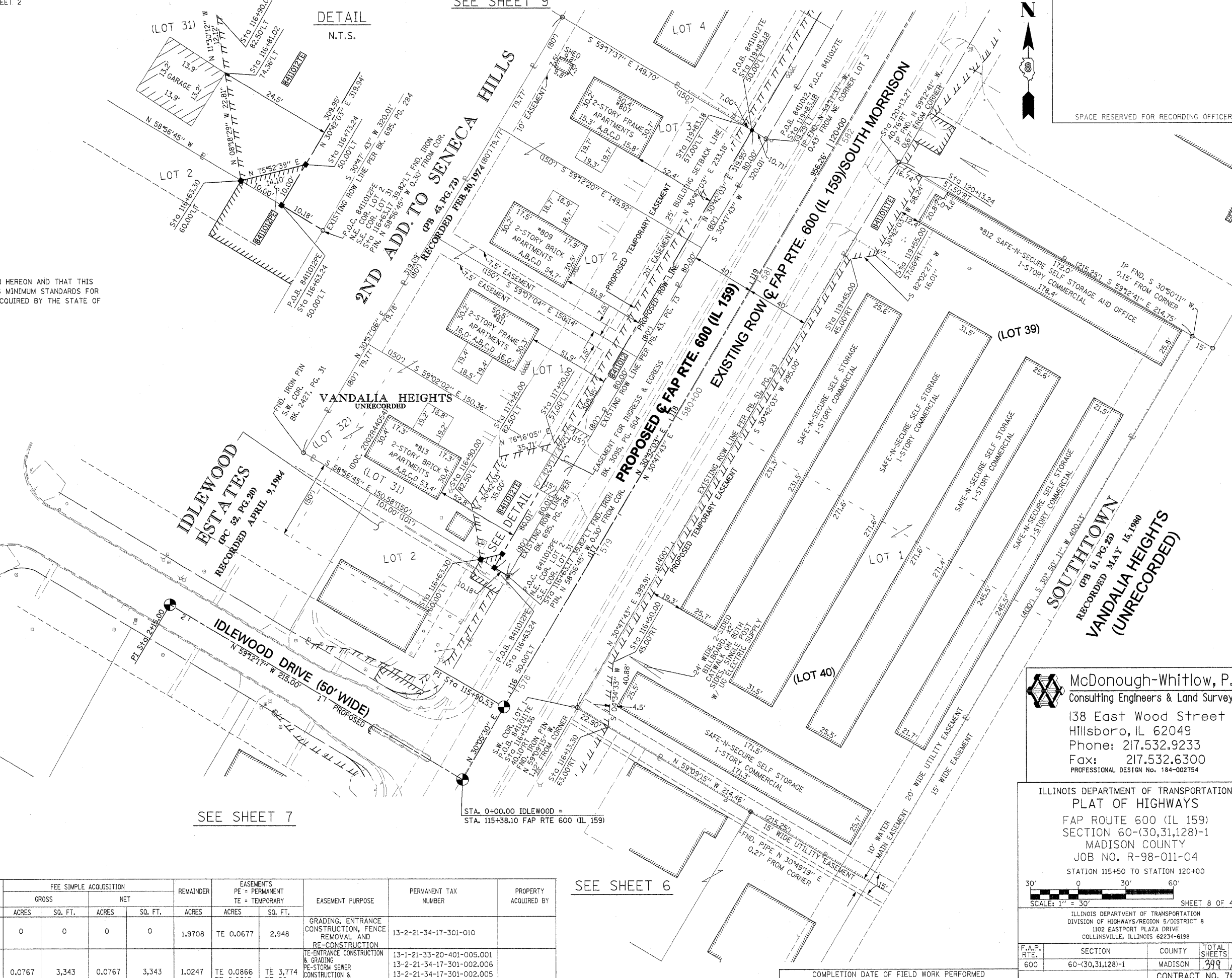
Tony Hard  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

SEE SHEET 9

DETAIL  
 N.T.S.



SPACE RESERVED FOR RECORDING OFFICER

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.	NET ACRES	SQ. FT.		PE = PERMANENT ACRES	TE = TEMPORARY SQ. FT.			
841101	RETRO GROUP, LLC., AN ILLINOIS LIMITED LIABILITY COMPANY TITLE REPORT NO. MA-3417.0	1.9708	0	0	0	0	1.9708	TE 0.0677	2,948	GRADING, ENTRANCE CONSTRUCTION, FENCE REMOVAL AND RE-CONSTRUCTION	13-2-21-34-17-301-010	
841102	JURI JUSSYP & NANCY JUSSYP, HUSBAND AND WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3422.0, MA-2423.0, MA-3424.0, MA-3425.0	1.1014	0.0767	3,343	0.0767	3,343	1.0247	TE 0.0866 PE 0.0012	TE 3,774 PE 50	TE-ENTRANCE CONSTRUCTION & GRADING PE-STORM SEWER CONSTRUCTION & MAINTENANCE AND GRADING	13-1-21-33-20-401-005.001 13-2-21-34-17-301-002.006 13-2-21-34-17-301-002.005 13-2-21-34-17-301-002.004	

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 115+50 TO STATION 120+00

SCALE: 1" = 30'

SHEET 8 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399	SHEET NO. 189
COMPLETION DATE OF FIELD WORK PERFORMED			CONTRACT NO. 76830	
LAND SURVEY: 10-11-05		ROW STAKING: 09-17-09		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

**PART OF U.S. SURVEY 393 CLAIM 609 T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS**

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

SEE SHEET 10

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
119+83.18	39.29' LT	726,152.8075	348,867.0361	
119+83.18	50.00' LT	726,158.2712	348,857.8263	
120+63.29	50.00' LT	726,227.1566	348,898.7252	
120+63.30	39.16' LT	726,221.6299	348,908.0548	
120+30.00	40.79' RT	726,152.1825	348,959.7949	
120+30.00	60.00' RT	726,142.3742	348,976.3135	
120+50.00	60.00' RT	726,159.5711	348,986.5246	
120+50.00	40.82' RT	726,169.3626	348,970.0344	
121+43.25	50.00' LT	726,295.9097	348,939.5490	
121+43.26	39.02' LT	726,290.3159	348,948.9921	
121+43.25	45.50' LT	726,293.6162	348,943.4207	
121+43.24	52.50' LT	726,297.1839	348,937.3981	
122+23.32	52.50' LT	726,366.0373	348,978.2810	
122+23.31	45.50' LT	726,362.4533	348,984.2944	
122+23.30	38.89' LT	726,359.0704	348,989.9703	
115+90.53	PI	725,795.1323	348,700.3499	
125+46.79	PC	726,617.3704	349,188.5743	

CURVE 8411019  
L = 77.70'  
R = 1,105.00'  
C = 77.69'  
CB = N 65° 37' 34" E

P.O.C. 8411017E-A,  
8411017E-B, & 8411017E  
MOST NORTHERLY  
CORNER OF U.S.  
SURVEY 393, CLAIM 609



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSSTIES  
(a) - SET DRILL HOLE WITH MAG NAIL  
(b) - SET MAG NAIL OR LANDSCAPE NAIL

STATE OF ILLINOIS )  
                          ) SS  
COUNTY OF MONTGOMERY )

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
Tony Hard  
TONY HARD, PLS NO. 2953

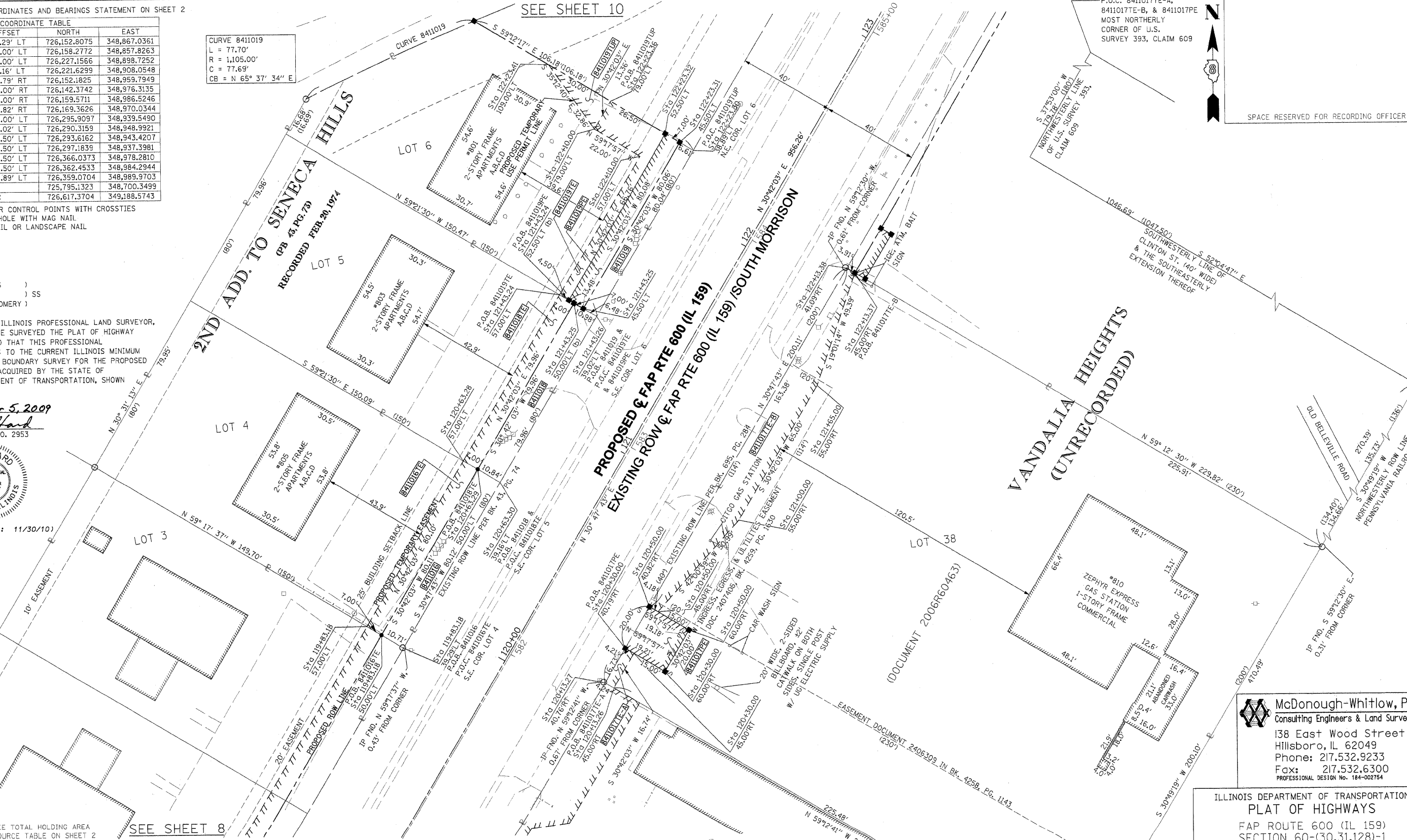


(License Expires: 11/30/10)

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

SEE SHEET 8

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	SO. FT.	NET ACRES		SO. FT.	PE = PERMANENT ACRES			SO. FT.
8411016	DOUGLAS HARTMANN, JR. TITLE REPORT NO. MA-3426.0	0.2754	0.0198	863	0.0198	863	0.2556	TE 0.0129	561	GRADING	13-2-21-34-17-301-002.003
8411017	DIAGONAL ENTERPRISES, INC. TITLE REPORT NO. MA-3430.0	1.0555	0	0	0	0	1.0555	TE-A 0.0016 TE-B 0.0414 PE 0.0088	71 1,802 384	TE-A&B GRADING & ENTRANCE CONSTRUCTION PE-GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-1-21-34-17-301-004.001
8411018	DOUG HARTMANN, JR. TRUSTEE OF THE 803 S. MORRISON LAND TRUST TITLE REPORT NO. MA-3427.0	0.2759	0.0200	872	0.0200	872	0.2559	TE 0.0128	560	GRADING	13-2-21-34-17-301-002.002
8411019	RICHARD A. HILL AKA RICHARD HILL TITLE REPORT NO. MA-3428.0	0.2456	0.0120	524	0.0120	524	0.2336	TE 0.0150 PE 0.0129 TUP 0.0046	654 560 200	TE- ENTRANCE CONSTRUCTION & GRADING PE- CONSTRUCTION & MAINTENANCE OF RETAINING WALL TUP- GRADING	13-2-21-34-17-301-002.001



**McDonough-Whitlow, P.C.**  
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138 East Wood Street  
Hillsboro, IL 62049  
Phone: 217.532.9233  
Fax: 217.532.6300  
PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 600 (IL 159)  
SECTION 60-(30,31,128)-1  
MADISON COUNTY  
JOB NO. R-98-011-04  
STATION 119+00 TO STATION 123+00

SCALE: 1" = 20'

SHEET 9 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	349	190

CONTRACT NO. 76830

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 10-11-05      ROW STAKING: 09-17-09

**SOUTHTOWN**  
(PB 51, PG. 20)  
RECORDED MAY 15, 1980

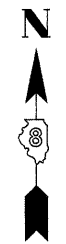
PART OF U.S. SURVEY 309, CLAIM 609, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

SEE SHEET 11

STATION	OFFSET	NORTH	EAST
124+49.97	123.47' RT	726,471.0819	349,245.3025
125+06.68	41.57' RT	726,561.6530	349,203.8422
124+08.76	45.00' RT	726,475.7049	349,156.7919
122+13.37	45.00' RT	726,307.7039	349,057.0371
122+13.38	41.09' RT	726,309.7049	349,053.6793
122+23.30	38.89' LT	726,359.0704	348,989.9703
124+46.74	38.52' LT	726,551.0059	349,104.3652
3+11.89	18.22' LT	726,413.4316	348,898.7614
2+99.41	18.83' LT	726,418.1213	348,910.3482
2+76.44	20.05' LT	726,426.6511	348,931.7080
1+24.90	21.23' LT	726,523.6544	349,058.6286
0+78.14	24.88' LT	726,562.9120	349,089.0580
0+87.66	PC	726,567.4302	349,062.8079
2+68.26	PT	726,448.2776	348,930.7208
3+50.63	POT	726,413.7189	348,855.9512
10+37.69	PC	726,566.3769	349,201.6566
11+35.57	PT	726,491.7634	349,264.0831
12+62.76	POT	726,380.4380	349,325.5920
115+90.53	PI	725,795.1323	348,700.3499
125+46.79	PC	726,617.3704	349,188.5743
1+80.79	PI	726,487.3514	349,015.2592
10+87.24	PI	726,535.1356	349,240.1194
122+13.36	50.00' RT	726,305.1444	349,061.3323
122+35.00	45.00' RT	726,326.3008	349,068.0795
122+35.00	50.00' RT	726,323.7481	349,072.3787

CURVE XMCKNRV-1  
 PI STA. = 1+80.79  
 $\Delta = 34^\circ 29' 34''$  (RT)  
 $T = 93.13'$   
 $L = 180.60'$   
 $R = 300.00'$   
 $C = 177.89'$   
 $CB = S 47^\circ 56' 50'' W$   
 PC STA. = 0+87.66  
 PT STA. = 2+68.26

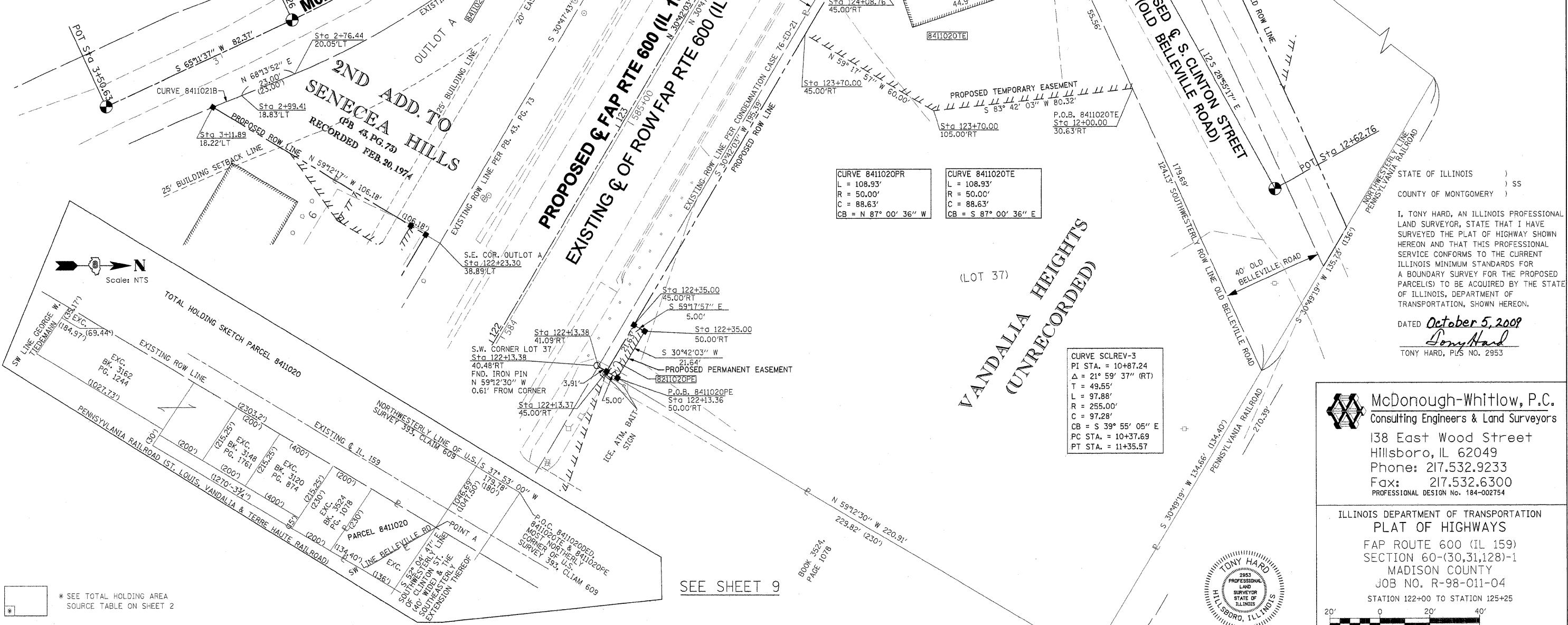


SPACE RESERVED FOR RECORDING OFFICER

CURVE 8411021  
 $L = 161.57'$  (161.24')  
 $R = 309.50'$  (309.50')  
 $C = 159.75'$   
 $CB = N 52^\circ 36' 36'' E$

CURVE 8411021B  
 $L = 12.50'$   
 $R = 1105.00'$  (1105.00')  
 $C = 12.50'$  (12.52')  
 $CB = N 67^\circ 57' 52'' E$

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



STATE OF ILLINOIS )  
 COUNTY OF MONTGOMERY ) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
 Tony Hard  
 TONY HARD, PLS NO. 2953

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 122+00 TO STATION 125+25

SCALE: 1" = 20'

SHEET 10 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	191

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 10-11-05    ROW STAKING: 09-17-09    CONTRACT NO. 76830

FED. ROAD DIST. NO. [ ] ILLINOIS FED. AID PROJECT

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	DEDICATION REQUIRED ACRES/SQ.FT.	REMAINDER ACRES	FEE SIMPLE ACQUISITION				EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY				
					GROSS ACRES	SO. FT.	NET ACRES	SO. FT.	REMAINDER ACRES	SO. FT.			PE = PERMANENT ACRES	SO. FT.		
8411020	BELLUAH A. McMILLIN & MARIE V. STEIN, AS TENANTS IN COMMON TITLE REPORT NO. MA-3546.0	1.1291	0.0717 AC 3,123 SQ.FT.	1.1291	0	0	0	0	1.1291	0	0	TE 0.1776 PE 0.0025	7,736 108	TE-BUILDING REMOVAL & GRADING PE-GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-1-21-34-17-301-004	
8411021	WILLIAM A. LONG TITLE REPORT NO. MA-3429.0	0.2479	0	0	0.2479	10,800	0.2479	10,800	0	0	0	0	0		13-2-21-34-17-301-002	

**PART OF U.S. SURVEY 393, CLAIM 609 AND PART OF THE SW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS**

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
0+16.21	7.74' RT	726,632.8213	349,092.6370
0+87.66	P.C.	726,567.4302	349,062.8079
1+80.00	18.81' RT	726,510.5336	348,991.7742
1+80.00	26.81' RT	726,516.5102	348,986.4561
1+25.00	55.00' RT	726,570.3256	348,988.3579
1+25.00	26.77' RT	726,553.0118	349,020.6529
2+68.26	P.T.	726,448.2776	348,930.7208
7+12.27	P.O.T.	726,783.3420	348,960.4510
7+25.00	37.35' RT	726,746.2106	348,947.0879
7+27.42	P.C.	726,773.8884	348,972.2882
7+75.00	74.62' RT	726,692.2512	348,949.9136
7+61.16	P.I.	726,752.8342	348,988.6507
7+94.51	P.R.C.	726,725.6487	349,018.6307
8+00.00	89.16' RT	726,666.9173	348,951.2403
8+15.00	84.58' RT	726,654.2430	348,967.5093
8+15.03	23.41' RT	726,694.2777	349,013.7502
8+23.91	82.46' RT	726,646.8554	348,976.9922
8+27.17	P.I.	726,699.3256	349,037.9770
8+59.49	P.T.	726,678.7294	349,063.3340
8+65.00	78.11' RT	726,614.6232	349,018.3663
9+16.47	P.O.T.	726,642.8043	349,107.5632
10+00.00	C.	726,590.1374	349,172.4040
115+90.53	P.I.	725,795.1323	348,700.3499
125+46.79	P.C.	726,617.3704	349,188.5743
1+25.02	18.77' RT	726,548.0903	349,026.9602

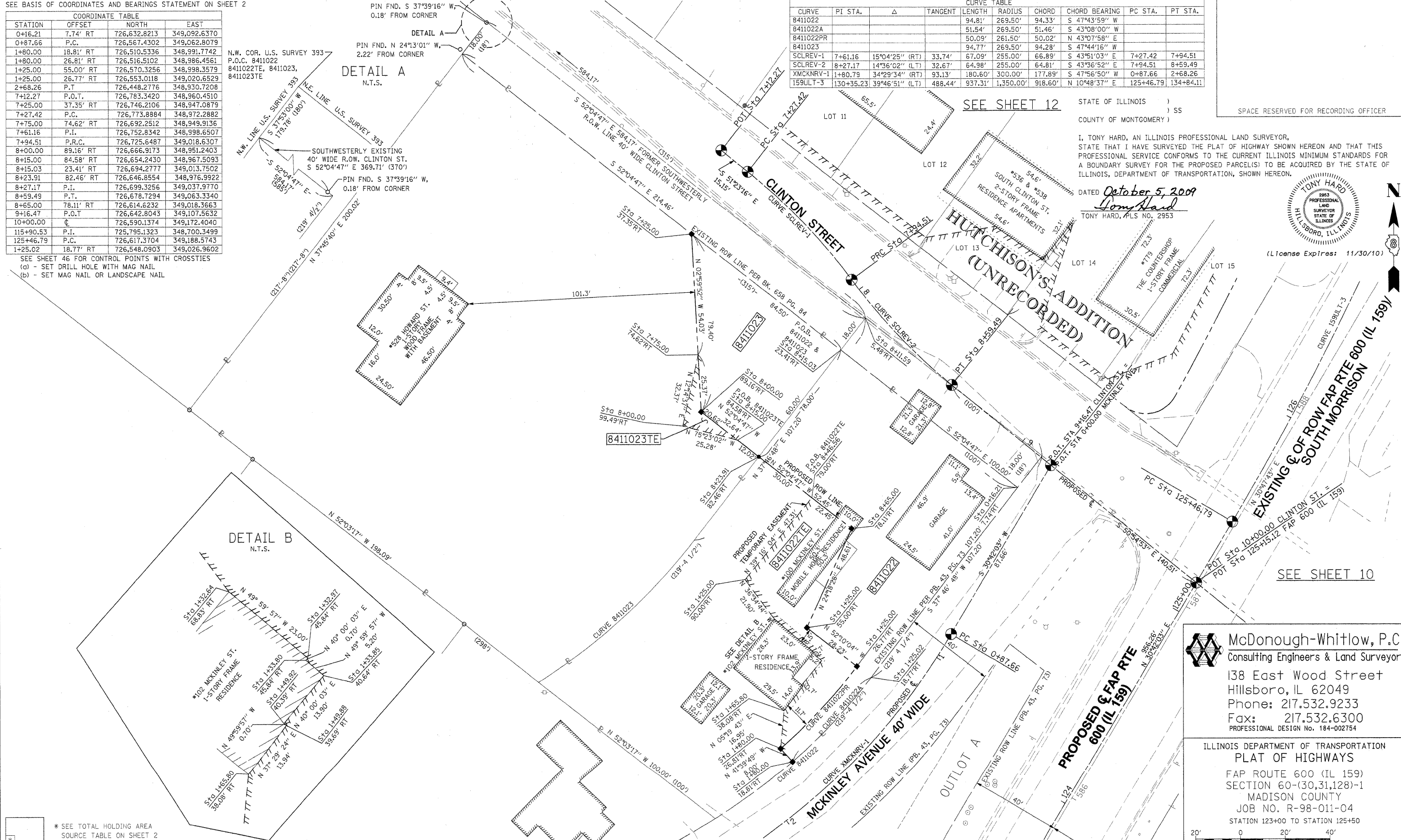
SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE	PI STA.	Δ	TANGENT	CURVE TABLE				PC STA.	PT STA.
				LENGTH	RADIUS	CHORD	CHORD BEARING		
B411022				94.81'	269.50'	94.33'	S 47°43'59" W		
B411022A				51.54'	269.50'	51.46'	S 43°08'00" W		
B411022PR				50.09'	261.50'	50.02'	N 43°07'58" E		
B411023				94.77'	269.50'	94.28'	S 47°44'16" W		
SCLREV-1	7+61.16	15°04'25" (RT)	33.74'	67.09'	255.00'	66.89'	S 43°51'03" E	7+27.42	7+94.51
SCLREV-2	8+27.17	14°36'02" (LT)	32.67'	64.98'	255.00'	64.81'	S 43°36'52" E	7+94.51	8+59.49
XMCKNRV-1	1+80.79	34°29'34" (RT)	93.13'	180.60'	300.00'	177.89'	S 47°56'50" W	0+87.66	2+68.26
159ULT-3	130+35.23	39°46'51" (LT)	488.44'	937.31'	1,350.00'	918.60'	N 10°48'37" E	125+46.79	134+84.11

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
Tony Hard  
 TONY HARD, PLS NO. 2953



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	PREVIOUSLY DEDICATED AND/OR USED	NET		PE = PERMANENT	TE = TEMPORARY		
8411022	KENNETH M. BEHRMAN & KIMBERLY ANN BEHRMAN, AS JOINT TENANTS TITLE REPORT NO. MA-4218.0	0.4594	0.1925	8385	0.1925	8385	0.2669	TE 0.0495	2158	BUILDING REMOVAL & GRADING	13-1-21-34-13-301-038
8411023	BRADLEY R. GREER & PAMELA A. GREER, AS JOINT TENANTS TITLE REPORT NO. MA-4129.0	0.9735	0.0807	3514	0.0807	3514	0.8928	TE 0.0048	211	GRADING	13-1-21-34-13-301-037

**McDonough-Whitlow, P.C.**  
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 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 123+00 TO STATION 125+50

SCALE: 1" = 20'

SHEET 11 OF 46

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	192

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 10-11-05      ROW STAKING: 09-17-09

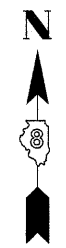
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT

CONTRACT NO. 76380

PART OF U.S. SURVEY 393, CLAIM 609 AND PART OF THE SW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE SHEET 13

CURVE TABLE									
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.
8411024A				28.96' (25.28')	1,045.20'	28.96'	S 30°00'05" W		
8411024PR				24.17'	25.00'	23.24'	S 03°05'57" W		
8411024TE-B				65.16'	1,045.20'	65.15'	N 12°34'49" E		
8411024TE-B1				270.74'	1,045.20'	269.98'	N 21°47'13" E		
SCLREV-1	7+61.16	15°04'25" (RT)	33.74'	67.09'	255.00'	66.89'	S 43°51'03" E	7+27.42	7+94.51
SCLREV-2	8+27.17	14°36'02" (LT)	32.67'	64.98'	255.00'	64.81'	S 43°36'52" E	7+94.51	8+59.49
SCLREV-3	10+87.24	21°59'37" (RT)	49.55'	97.88'	255.00'	97.28'	S 39°55'05" E	10+37.69	11+35.57
159ULT-3	130+35.23	39°46'51" (LT)	488.44'	937.31'	1,350.00'	918.60'	N 10°48'37" E	125+46.79	134+84.11
C2	592+27.61	39°51'56" (LT) (39°52')	364.53'	699.40' (699.4')	1,005.20' (1,005.2')	685.38'	N 10°51'45" E	588+63.08 (588+63.1)	595+62.48

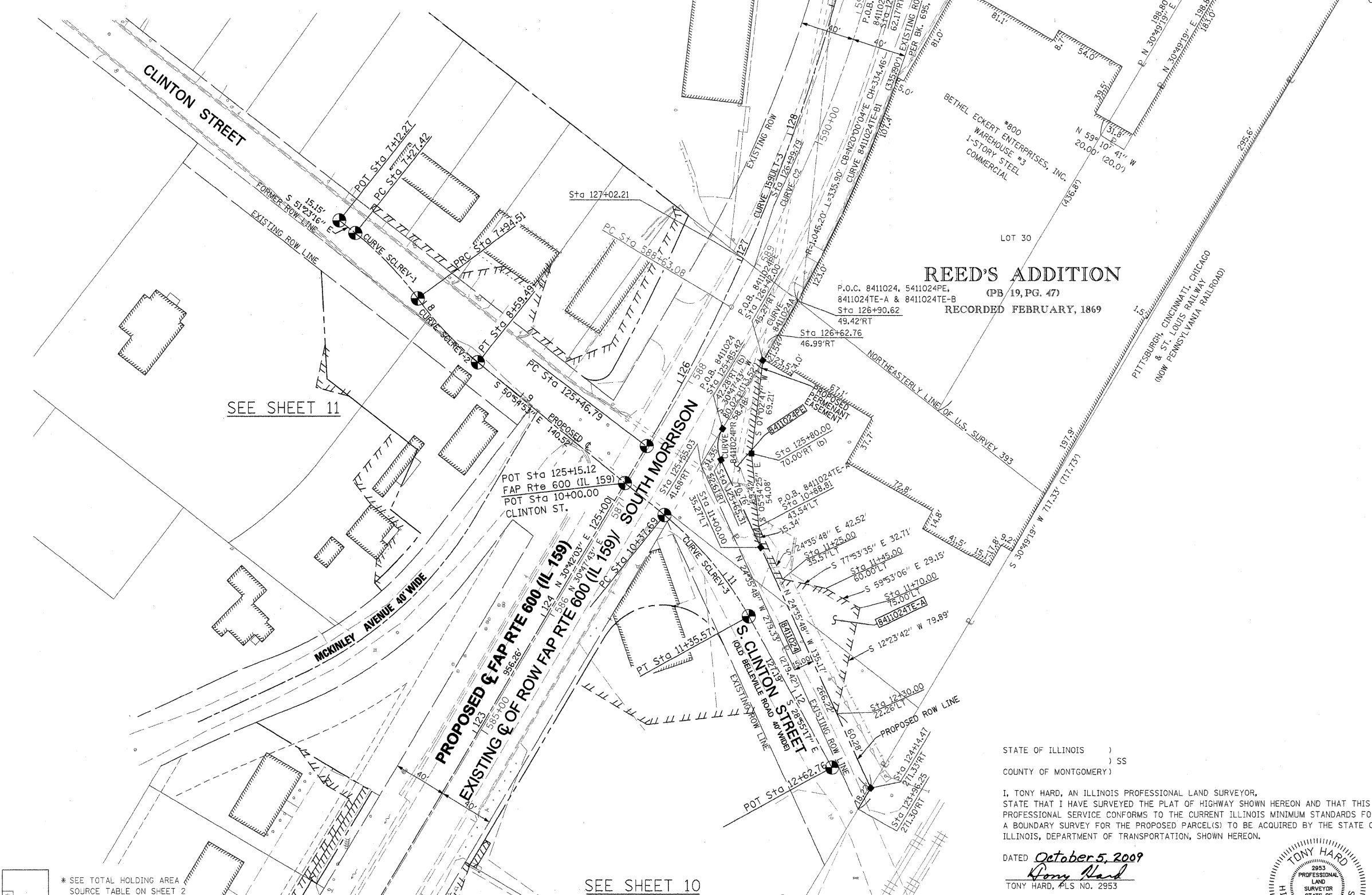


SPACE RESERVED FOR RECORDING OFFICER

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
123+96.25	271.30' RT	726,349.4177	349,344.9880
125+55.03	41.68' RT	726,603.4000	349,228.7237
124+14.47	271.33' RT	726,365.0634	349,354.3229
125+85.42	42.28' RT	726,630.3278	349,244.7728
125+65.31	52.61' RT	726,607.1228	349,243.5164
115+90.53	PI	725,795.1323	348,700.3499
125+46.79	PC	726,617.3704	349,188.5743
11+00.00	35.27' LT	726,542.7865	349,272.9673
126+42.00	45.27' RT	726,680.5652	349,274.7147
10+37.69	PC	726,566.3769	349,201.6566
11+35.57	PT	726,491.7634	349,264.0831
12+62.76	POT	726,380.4380	349,325.5920
10+00.00	POT	726,590.1374	349,172.4040
125+80.00	70.00' RT	726,611.8804	349,266.2249
127+02.21	C	726,755.2715	349,260.0638
130+12.28	62.53' RT	727,038.4283	349,414.6178

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



**REED'S ADDITION**  
 P.O.C. 8411024, 5411024PE, 8411024TE-A & 8411024TE-B (PB 19, PG. 47)  
 RECORDED FEBRUARY, 1869

STATE OF ILLINOIS )  
 COUNTY OF MONTGOMERY ) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 123+75 TO STATION 130+25

SCALE: 1" = 40'  
 SHEET 12 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
600	60-(30,31,128)-1	MADISON	399 / 493

COMPLETION DATE OF FIELD WORK PERFORMED  
 LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09  
 CONTRACT NO. 76830  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS			NET			REMAINDER		EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SO. FT.	ACRES	SO. FT.	ACRES	SO. FT.	ACRES	SO. FT.	PE = PERMANENT	TE = TEMPORARY		
8411024	JAMES ECKERT, AS TO AN UNDIVIDED 1/2 INTEREST; AND LARRY ECKERT, TRUSTEE OF THE DEBORAH ECKERT REVOCABLE TRUST DATED MAY 15, 2001, AS TO AN UNDIVIDED 1/2 INTEREST TITLE REPORT NO. MA-3431.0	3.3800	0.0968	4,216	0.0968	4,216	3.2832	PE 0.0441 TE-A 0.0690 TE-B 0.0098	1,921 3,007 426	TE-A & TE-B - GRADING & ENTRANCE CONSTRUCTION PE - GRADING, DRAINAGE CONSTRUCTION AND MAINTENANCE	13-2-21-34-13-302-001			

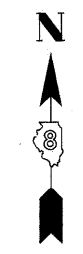
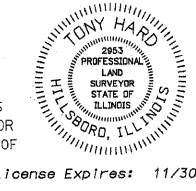
PART OF THE SW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

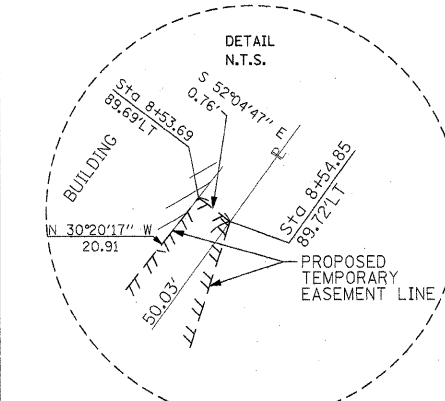
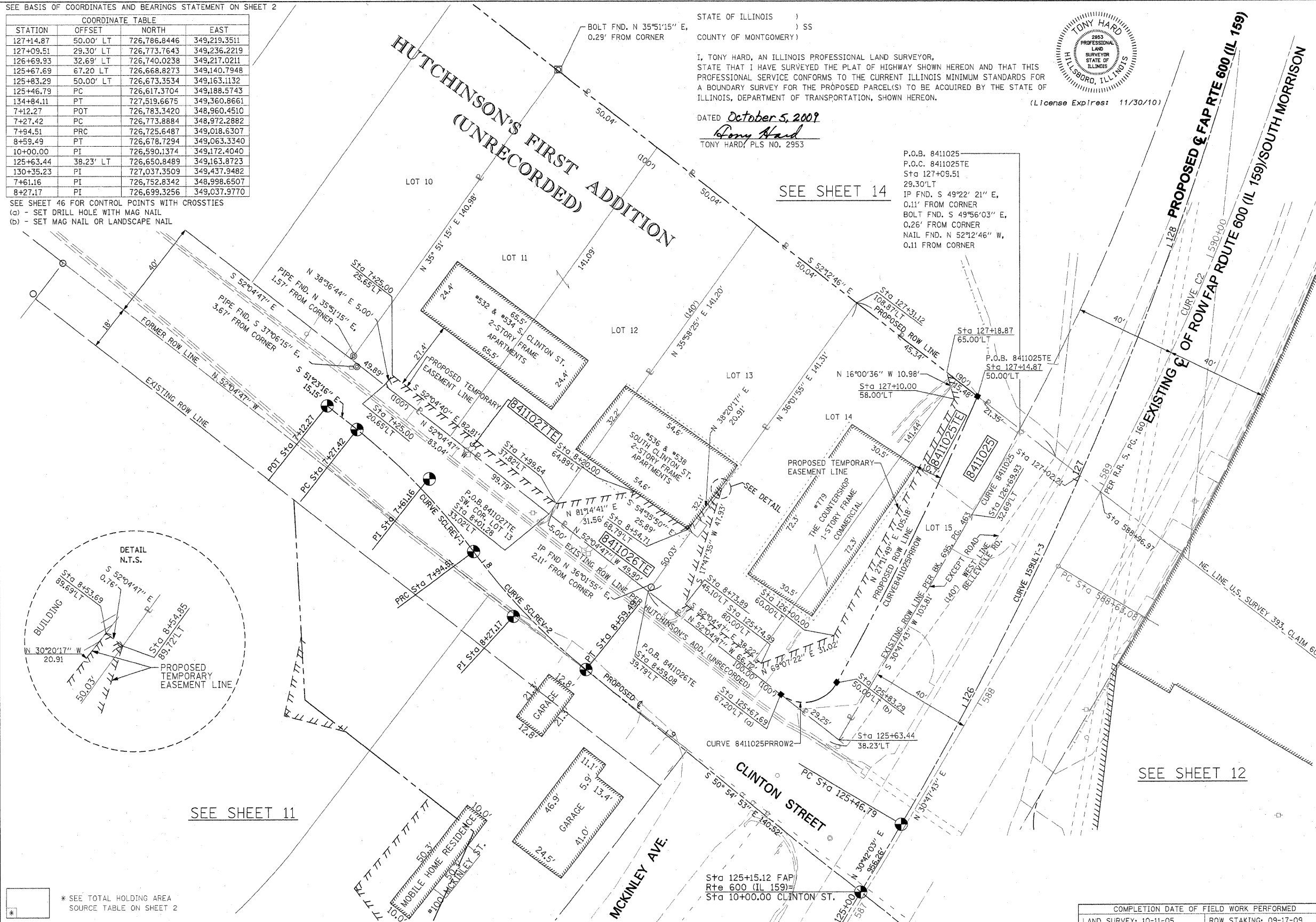
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
127+14.87	50.00' LT	726,786.8446	349,219.3511
127+09.51	29.30' LT	726,773.7643	349,236.2219
126+69.93	32.69' LT	726,740.0238	349,217.0211
125+67.69	67.20' LT	726,668.8273	349,140.7948
125+83.29	50.00' LT	726,673.3534	349,163.1132
125+46.79	PC	726,617.3704	349,188.5743
134+84.11	PT	727,519.6675	349,360.8661
7+12.27	POT	726,783.3420	348,960.4510
7+27.42	PC	726,773.8884	348,972.2882
7+94.51	PRC	726,725.6487	349,018.6307
8+59.49	PT	726,678.7294	349,063.3340
10+00.00	PI	726,590.1374	349,172.4040
125+63.44	38.23' LT	726,650.8489	349,163.8723
130+35.23	PI	727,037.3509	349,437.9482
7+61.16	PI	726,752.8342	348,998.6507
8+27.17	PI	726,699.3256	349,037.9770

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )  
 I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR,  
 STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS  
 PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
 BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF  
 ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.  
 DATED October 5, 2009  
Tony Hard  
 TONY HARD, PLS NO. 2953



SPACE RESERVED FOR RECORDING OFFICER



CURVE 8411025 L = 38.82' R = 965.20' C = 38.82' CB = S 29° 38' 34" W	CURVE C2 PI STA. = 592+27.61 Δ = 39° 51' 56" (LT) T = 364.53' L = 699.40' R = 1,005.20' C = 685.38' CB = N 10° 51' 45" E PC STA. = 588+63.08 PT STA. = 595+62.48
CURVE SCLREV-1 PI STA. 7+61.16 Δ = 15° 04' 25" (RT) T = 33.74' L = 67.09' R = 255.00' C = 66.89' CB = S 43° 51' 03" E PC STA. = 7+27.42 PT STA. = 7+94.51	CURVE 159ULT-3 PI STA. 130+35.23 Δ = 39° 46' 51" (LT) T = 488.44' L = 937.31' R = 1,350.00' C = 918.60' CB = N 10° 48' 37" E PC STA. = 125+46.79 PT STA. = 134+84.11
CURVE SCLREV-2 PI STA. 8+27.17 Δ = 14° 36' 02" (LT) T = 32.67' L = 64.98' R = 255.00' C = 64.81' CB = S 43° 36' 52" E PC STA. = 7+94.51 PT STA. = 8+59.49	CURVE 8411025PRROW L = 126.71' R = 1,300.00' C = 126.66' CB = S 26° 21' 35" W
CURVE 8411025PRROW2 L = 25.86' R = 15.00' C = 22.77' CB = S 78° 32' 10" W	

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY				
			GROSS ACRES	SO. FT.		PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES			SO. FT.	SO. FT.		
8411025	GARY E. FAULK & DORIS A. FAULK, HIS WIFE, AS JOINT TENANTS TITLE REPORT NO. MA-3439.0	0.2901	0.0521	2,271	0	0	0.0521	2,271	0.2380	TE 0.0535	2,329	GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-13-301-025
8411026	ROBERT P. BOHNENSTIEHL AS TRUSTEE OF THE ROBERT P. BOHNENSTIEHL AND MARGARET M. BOHNENSTIEHL JOINT TENANCY TRUST CREATED ON JUNE 11, 2008, AS TO AN UNDIVIDED 1/2 INTEREST; AND MARGARET M. BOHNENSTIEHL, AS TRUSTEE OF THE ROBERT P. BOHNENSTIEHL AND MARGARET M. BOHNENSTIEHL JOINT TENANCY TRUST CREATED JUNE 11, 2008, AS TO AN UNDIVIDED 1/2 INTEREST TITLE REPORT NO. MA-4125.0	0.1620	-	-	-	-	-	0.1620	0.1620	TE 0.0271	1,179	GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-13-301-026
8411027	ROBERT P. BOHNENSTIEHL AS TRUSTEE OF THE ROBERT P. BOHNENSTIEHL AND MARGARET M. BOHNENSTIEHL JOINT TENANCY TRUST CREATED ON JUNE 11, 2008, AS TO AN UNDIVIDED 1/2 INTEREST; AND MARGARET M. BOHNENSTIEHL, AS TRUSTEE OF THE ROBERT P. BOHNENSTIEHL AND MARGARET M. BOHNENSTIEHL JOINT TENANCY TRUST CREATED JUNE 11, 2008, AS TO AN UNDIVIDED 1/2 INTEREST TITLE REPORT NO. MA-4125.0	0.3235	-	-	-	-	-	0.3235	0.3235	TE 0.0095	415	GRADING & ENTRANCE CONSTRUCTION	13-2-21-34-13-301-028 13-2-21-34-13-301-027

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
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 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 125+50 TO STATION 127+25

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE. 600 SECTION 60-(30,31,128)-1 COUNTY MADISON TOTAL SHEETS 399 SHEET NO. 144 CONTRACT NO. 76830

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



PART OF THE SW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

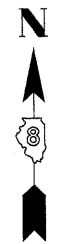
SEE SHEET 15

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

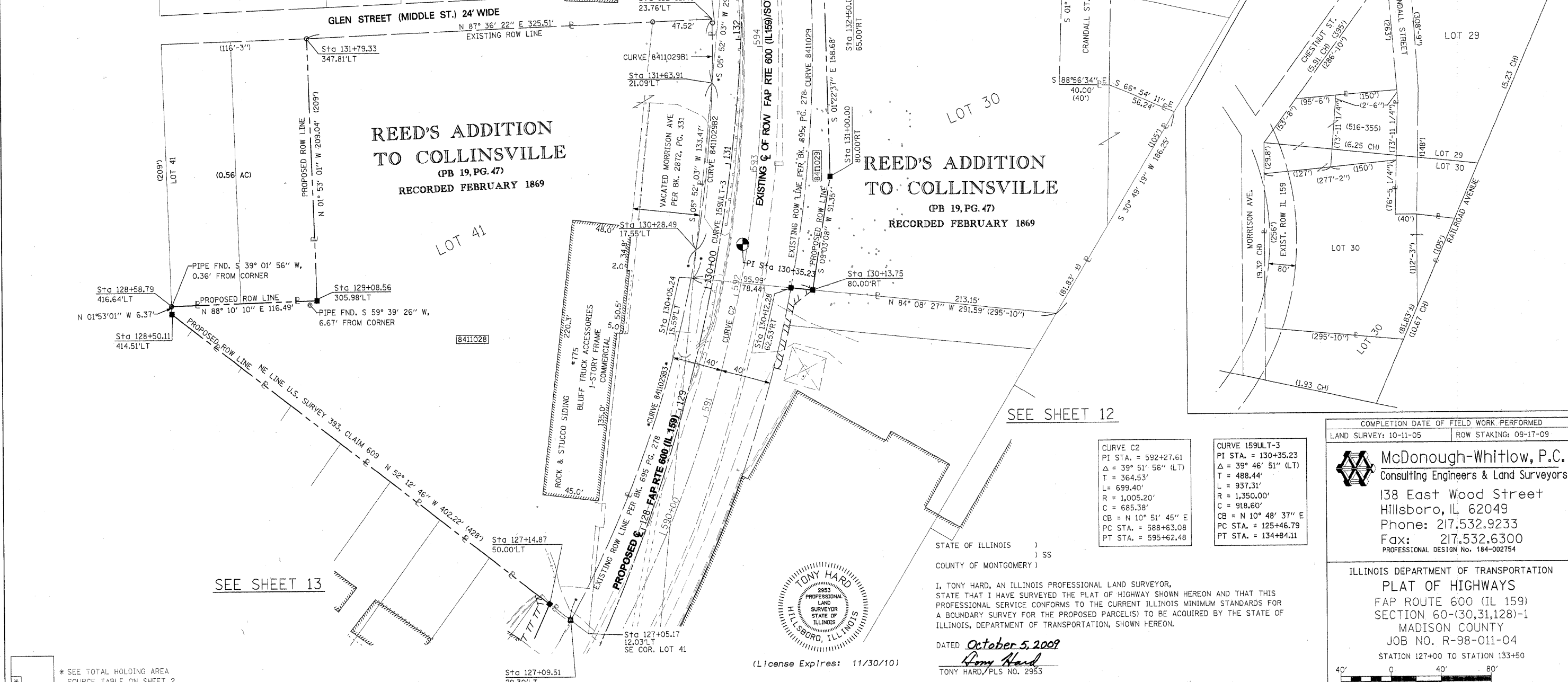
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
127+14.87	50.00' LT	726,786.8446	349,219.3511
127+09.51	29.30' LT	726,773.7643	349,236.2219
128+50.11	414.51' LT	727,020.2171	348,918.3505
128+58.79	416.64' LT	727,026.5870	348,918.1410
129+08.56	305.98' LT	727,030.3080	349,034.5744
130+28.49	17.55' LT	727,069.3594	349,338.9354
131+79.33	347.81' LT	727,239.2398	349,027.7031
131+63.91	21.09' LT	727,202.1286	349,352.5797
132+15.40	23.76' LT	727,252.8359	349,352.9316
130+12.28	62.53' RT	727,038.4283	349,414.6178
130+13.75	80.00' RT	727,036.6378	349,432.0658
131+00.00	80.00' RT	727,126.4882	349,446.4382
132+50.00	65.00' RT	727,285.4850	349,442.6252
133+31.69	53.79' RT	727,370.5736	349,430.1173
133+32.47	47.81' RT	727,371.1100	349,424.1035
125+46.79	PC	726,617.3704	349,188.5743
134+84.11	PT	727,519.6675	349,360.8661
130+35.23	PI	727,037.3509	349,437.9482

CURVE 8411029 L = 334.24' R = 1045.20' C = 332.82' CB = N 01° 38' 00" E	CURVE 8411029B1 L = 50.71' R = 965.20' C = 50.71' CB = S 00° 23' 52" W
CURVE 8411029B2 L = 133.58' R = 965.20' C = 133.47' CB = S 05° 52' 03" W	CURVE 8411029B3 L = 314.32' R = 965.20' C = 312.93' CB = S 19° 09' 41" W

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
(a) - SET DRILL HOLE WITH MAG NAIL  
(b) - SET MAG NAIL OR LANDSCAPE NAIL



SPACE RESERVED FOR RECORDING OFFICER



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

SEE SHEET 13

SEE SHEET 12

STATE OF ILLINOIS )  
COUNTY OF MONTGOMERY )



(License Expires: 11/30/10)

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
Tony Hard  
TONY HARD, PLS. NO. 2953

CURVE C2 PI STA. = 592+27.61 Δ = 39° 51' 56" (LT) T = 364.53' L = 699.40' R = 1,005.20' C = 685.38' CB = N 10° 51' 45" E PC STA. = 588+63.08 PT STA. = 595+62.48
---

CURVE 159ULT-3 PI STA. = 130+35.23 Δ = 39° 46' 51" (LT) T = 488.44' L = 937.31' R = 1,350.00' C = 918.60' CB = N 10° 48' 37" E PC STA. = 125+46.79 PT STA. = 134+84.11
---

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY		
			GROSS ACRES	PREVIOUSLY DEDICATED ACRES	AND/OR USED SQ. FT.	NET ACRES		PE = PERMANENT ACRES	TE = TEMPORARY SQ. FT.			EASEMENT PURPOSE	
8411028	RONALD R. POLETTE TITLE REPORT NO. MA-3440.0	2.8454	2.8454	123,946	-	-	2.8454	123,946	0	-	-	13-2-21-34-13-301-023	
8411029	VICTOR A. PACEWIC, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 12TH DAY OF MAY, 2004, KNOWN AS THE VICTOR A. PACEWIC TRUST AS TO A 1/4 INTEREST, EDWARD PACEWIC, AS TO AN UNDIVIDED 1/4 INTEREST, ALEXANDER PACEWIC AS TO AN UNDIVIDED 1/4 INTEREST AND DANIEL PACEWIC AS TO AN UNDIVIDED 1/4 INTEREST TITLE REPORT NO. MA-3432.0	2.3194	0.6591	28,712	0,5564	24,236	0.1027	4,476	1.6603	-	-	13-2-21-34-13-302-002 13-2-21-34-13-302-002.001	

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

**McDonough-Whitlow, P.C.**  
Consulting Engineers & Land Surveyors  
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Hillsboro, IL 62049  
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PROFESSIONAL DESIGN No. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAT OF HIGHWAYS  
FAP ROUTE 600 (IL 159)  
SECTION 60-(30,31,128)-1  
MADISON COUNTY  
JOB NO. R-98-011-04  
STATION 127+00 TO STATION 133+50

SCALE: 1" = 40' SHEET 14 OF 46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	195
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76830	

**PART OF THE SW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS**

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
125+46.79	P.C.	726,617.3704	349,188.5743
132+36.82	69.21' LT	727,274.9860	349,308.1808
132+49.68	68.08' LT	727,287.1697	349,309.5584
132+88.36	77.71' LT	727,323.7630	349,299.9595
133+01.86	62.25' LT	727,336.8531	349,315.1758
133+46.02	89.90' LT	727,377.3822	349,285.8945
134+84.11	P.T.	727,519.6675	349,360.8661
17+98.78	P.C.C.	727,556.2714	349,194.8182
18+22.21	31.40' RT	727,517.1341	349,184.9268
18+52.30	49.72' RT	727,478.2423	349,198.2211
18+70.00	54.61' RT	727,460.5648	349,213.4600
18+84.78	P.I.	727,484.1416	349,241.6514
19+20.00	79.58' RT	727,408.0108	349,263.7660
19+59.24	P.C.	727,475.2571	349,327.1917
20+00.00	P.I.	727,471.0464	349,367.7322
17+53.67	34.96' RT	727,577.9277	349,141.0048

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSTIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

CURVE SLOOP-1		CURVE SLOOP-2	
PI STA. = 17+22.74	Δ = 13° 15' 46" (LT)	PI STA. = 18+84.78	Δ = 51° 04' 30" (LT)
T = 76.73'	L = 152.78'	T = 86.00'	L = 160.46'
R = 660.00'	C = 152.43'	R = 180.00'	C = 155.20'
CB = S 26° 21' 50" E	PC STA. = 16+46.01	CB = S 58° 31' 58" E	PC STA. = 19+59.24
PT STA. = 17+98.78		PT STA. = 19+59.24	

**LOT 40  
 REED'S ADDITION  
 TO COLLINSVILLE**  
 Recorded (PB 19, PG. 47)  
 FEB. 1869

CURVE 159ULT-3		CURVE C2	
PI STA. = 130+35.23	Δ = 39° 46' 51" (LT)	PI STA. = 592+27.61	Δ = 39° 51' 56" (LT)
T = 488.44'	L = 937.31'	T = 364.53'	L = 699.40'
R = 1,350.00'	C = 918.60'	R = 1,005.20'	C = 685.38'
CB = N 10° 48' 37" E	PC STA. = 125+46.79	CB = N 10° 51' 45" E	PC STA. = 588+63.08
PT STA. = 134+84.11		PT STA. = 595+62.48	

S.W. CORNER LOT 40

(MIDDLE STREET) GLEN STREET (24' WIDE)

SEE SHEET 14

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			EASEMENTS			PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT ACRES	TE = TEMPORARY ACRES	EASEMENT PURPOSE			
8411030	DOUG HARTMANN, JR. TITLE REPORT NO. MA-3441.0, MA-4131.0, & MA-4196.0	1.1995	0.0193	841	0.0193	841	1.1802	0.1122 TE 0.0196 PE	4,889 TE 852 PE	TE-ENTRANCE CONSTRUCTION & GRADING PE-GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-2-21-34-13-301-014 13-2-21-34-13-301-014.001 13-2-21-34-13-301-014(p1)

STATE OF ILLINOIS )  
 COUNTY OF MONTGOMERY ) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT
---	-----------------------	-----------------------	---

SPACE RESERVED FOR RECORDING OFFICER



SEE SHEET 17

SEE SHEET 16

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 17+50 TO STATION 19+75 LOOP ST.

F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399	SHEET NO. 196
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198

CONTRACT NO. 76830
--------------------

PART OF THE SW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

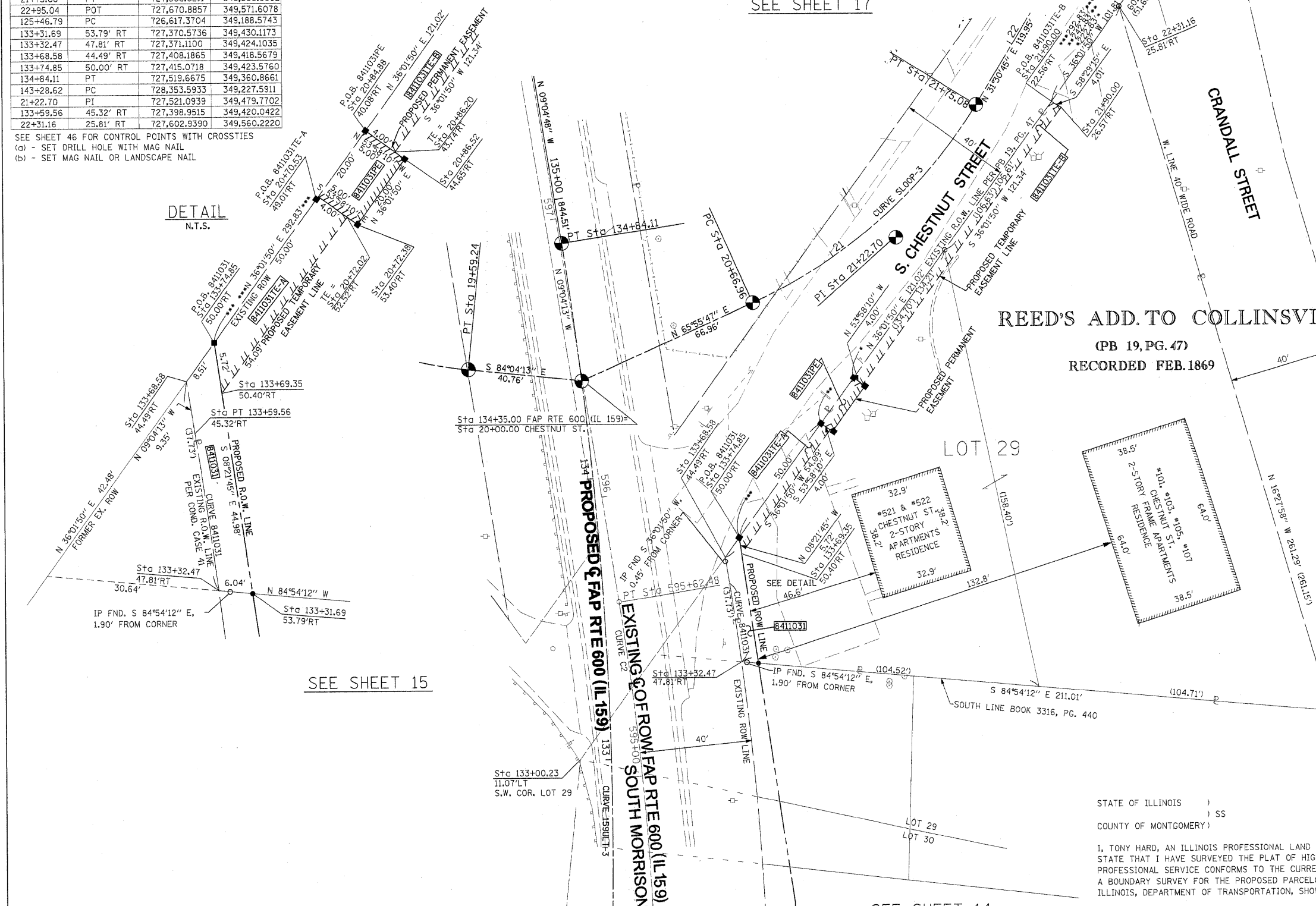
SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	
20+00.00	PI	727,471.0464	349,367.7322	
20+66.96	PC	727,498.3563	349,428.8690	
20+70.53		727,455.5071	349,452.9868	
20+72.38	53.40' RT	727,452.5660	349,457.0303	
20+84.88	40.08' RT	727,471.6812	349,464.7511	
20+86.52	44.65' RT	727,468.7401	349,468.7946	
21+75.08	PT	727,568.6211	349,508.9092	
22+95.04	POT	727,670.8857	349,571.6078	
125+46.79	PC	726,617.3704	349,188.5743	
133+31.69	53.79' RT	727,370.5736	349,430.1173	
133+32.47	47.81' RT	727,371.1100	349,424.1035	
133+68.58	44.49' RT	727,408.1865	349,418.5679	
133+74.85	50.00' RT	727,415.0718	349,423.5760	
134+84.11	PT	727,519.6675	349,360.8661	
143+28.62	PC	728,353.5933	349,227.5911	
21+22.70	PI	727,521.0939	349,479.7702	
133+59.56	45.32' RT	727,398.9515	349,420.0422	
22+31.16	25.81' RT	727,602.9390	349,560.2220	

CURVE TABLE										
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.	
B411031			28.14'	28.14'	1,045.20'	28.14'	N 08°17'57" W			
S LOOP-3	21+22.70	34°25'02" (LT)	55.75'	108.12'	180.00'	106.51'	N 48°43'16" E	20+66.96	21+75.08	
159UL-T-3	130+35.23	39°46'51" (LT)	488.44'	937.31'	1,350.00'	918.60'	N 10°48'37" E	125+46.79	134+84.11	
C2	592+27.61	39°51'56" (LT)	364.53'	699.40'	1,005.20'	685.38'	N 10°51'45" E	588+63.08	595+62.48	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

DETAIL  
N.T.S.



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

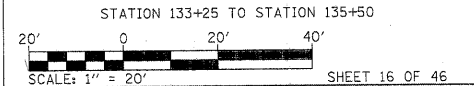
PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY	
			GROSS ACRES	PREVIOUSLY DEDICATED AND/OR USED ACRES	NET ACRES		PE - PERMANENT ACRES	TE - TEMPORARY ACRES			
B411031	SRT PROPERTIES, LLC, A LIMITED LIABILITY COMPANY TITLE REPORT NO. MA-3433.0	0.6612	0.0055	240	0.0055	240	0.6557	TE-A 0.0048 TE-B 0.0111 PE 0.0023	208 485 100	TE-A - GRADING & ENTRANCE CONSTRUCTION TE-B - GRADING PE - GRADING, DRAINAGE CONSTRUCTION & MAINTENANCE	13-2-21-34-13-302-003.001 13-2-21-34-13-302-003



SPACE RESERVED FOR RECORDING OFFICER

**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 133+25 TO STATION 135+50



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
 1102 EASTPORT PLAZA DRIVE  
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	197

COMPLETION DATE OF FIELD WORK PERFORMED: LAND SURVEY: 10-11-05 ROW STAKING: 09-17-09

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 76830

STATE OF ILLINOIS )  
 COUNTY OF MONTGOMERY ) SS

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, PLS NO. 2953



(License Expires: 11/30/10)

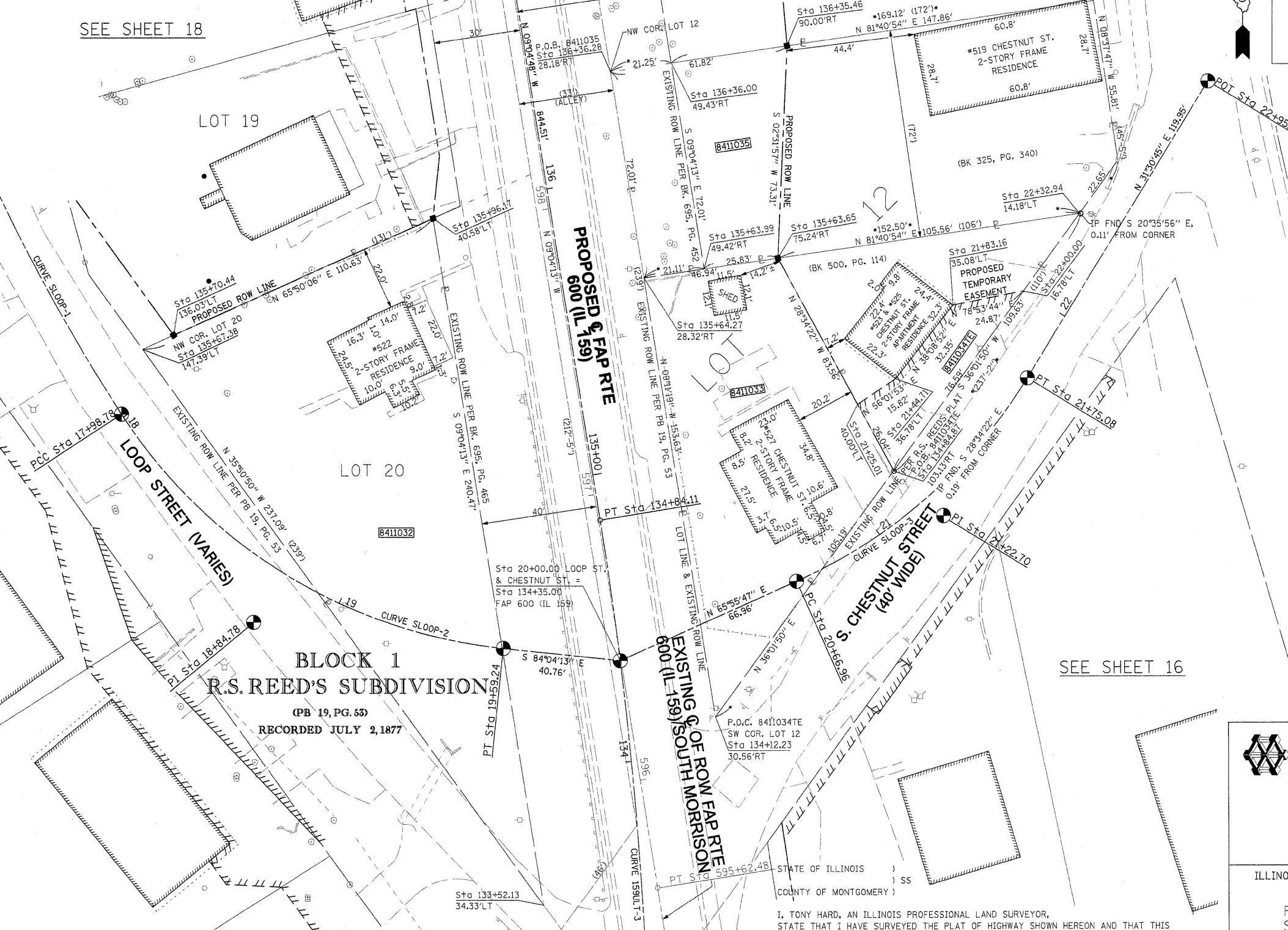
PART OF THE SW 1/4 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
133+52.13	34.33' LT	727,386.4541	349,341.0243
135+96.17	40.58' LT	727,623.9215	349,303.1142
135+67.38	147.39' LT	727,578.6335	349,202.1790
134+84.87	103.13' RT	727,536.6984	349,462.5798
136+35.46	90.00' RT	727,683.3275	349,425.8527
135+63.65	75.24' RT	727,610.0856	349,422.6132
135+63.99	49.42' RT	727,606.3493	349,394.0592
125+46.79	PC	726,617.3704	349,188.5743
134+84.11	PT	727,519.6675	349,360.8661
143+28.62	PC	728,353.5933	349,227.5911
17+22.74	PI	727,620.6264	349,153.0331
16+46.01	PC	727,692.8512	349,127.1265
17+98.78	PCC	727,556.2714	349,194.8182
19.59.24	PT	727,475.2571	349,327.1917
20+00.00	PI	727,471.0464	349,367.7322
20+66.96	PC	727,498.3563	349,428.8690
21+75.08	PT	727,568.6211	349,508.9092
22+95.04	PI	727,670.8857	349,571.6078
136+36.00	49.43' RT	727,677.4577	349,385.7072
18+84.78	PI	727,484.1416	349,241.6514
21+22.70	PI	727,521.0939	349,479.7702
20+00.00	C-C	727,471.0464	349,367.7322
134+12.23	30.56' RT	727,451.6348	349,400.7084
135+64.27	28.32' RT	727,603.2959	349,376.1755
136+36.28	28.18' RT	727,674.3828	349,364.6763
22+32.94	14.18' LT	727,625.3579	349,527.0667

CURVE TABLE										
CURVE	PI STA.	Δ	TANGENT	LENGTH	RADIUS	CHORD	CHORD BEARING	PC STA.	PT STA.	
SLOOP-1	17+22.74	13°15'46" (LT)	76.73'	152.78'	660.00'	152.43'	S 26°21'50" E	16+46.01	17+98.78	
SLOOP-2	18+84.78	51°04'30" (LT)	86.00'	160.46'	180.00'	155.20'	S 58°31'58" E	17+98.78	19+59.24	
SLOOP-3	21+22.70	34°25'02" (LT)	55.75'	108.12'	180.00'	106.51'	N 48°43'16" E	20+66.96	21+75.08	
159ULT-3	130+35.23	39°46'51" (LT)	488.44'	937.31'	1,350.00'	918.60'	N 10°48'37" E	125+46.79	134+84.11	

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL

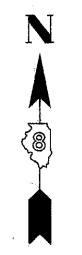


SEE SHEET 15

SEE SHEET 18

SEE SHEET 20

SEE SHEET 16



SPACE RESERVED FOR RECORDING OFFICER

\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	GROSS		FEE SIMPLE ACQUISITION		NET		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.	PREVIOUSLY DEDICATED	ACRES	SO. FT.	ACRES		SO. FT.	PE = PERMANENT		
8411032	JOHN H. SCHEURER, JR. TITLE REPORT NO. MA-3442.0	0.2948	0.2948	12,843	-	-	0.2948	12,843	0	-	-	13-2-21-34-13-301-005	
8411033	LANA M. MUSHILL & RAYMOND A. MUSHILL HER SPOUSE, AS TENANTS IN COMMON TITLE REPORT NO. MA-3434.0	0.1739	0.1739	7,575	-	-	0.1739	7,575	0	-	-	13-2-21-34-13-302-004	
8411034	OSBORN & OSBORN, LLC TITLE REPORT NO. MA-4130.0	0.0950	-	-	-	-	-	-	0.0950	TE 0.0267	1,161	13-2-21-34-13-302-005	ENTRANCE CONSTRUCTION & GRADING
8411035	CHRISTOPHER HABERMEHL & BETH HABERMEHL, AS JOINT TENANTS TITLE REPORT NO. MA-3435.0	0.2760	0.0899	3,915	0.0350	1,525	0.0549	2,390	0.1861	-	-	13-2-21-34-13-302-006	

I, TONY HARD, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED October 5, 2009  
 Tony Hard  
 TONY HARD, PLS NO. 2953

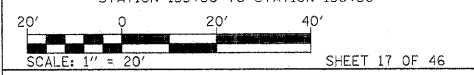


(License Expires: 11/30/10)

COMPLETION DATE OF FIELD WORK PERFORMED	LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09
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**McDonough-Whitlow, P.C.**  
 Consulting Engineers & Land Surveyors  
 138 East Wood Street  
 Hillsboro, IL 62049  
 Phone: 217.532.9233  
 Fax: 217.532.6300  
 PROFESSIONAL DESIGN NO. 184-002754

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAT OF HIGHWAYS  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 133+50 TO STATION 136+50



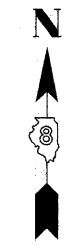
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-1	MADISON	399	198
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76830	

PART OF THE SW 14 OF SECTION 34, T3N, R8W, OF THE 3RD PM, MADISON COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2

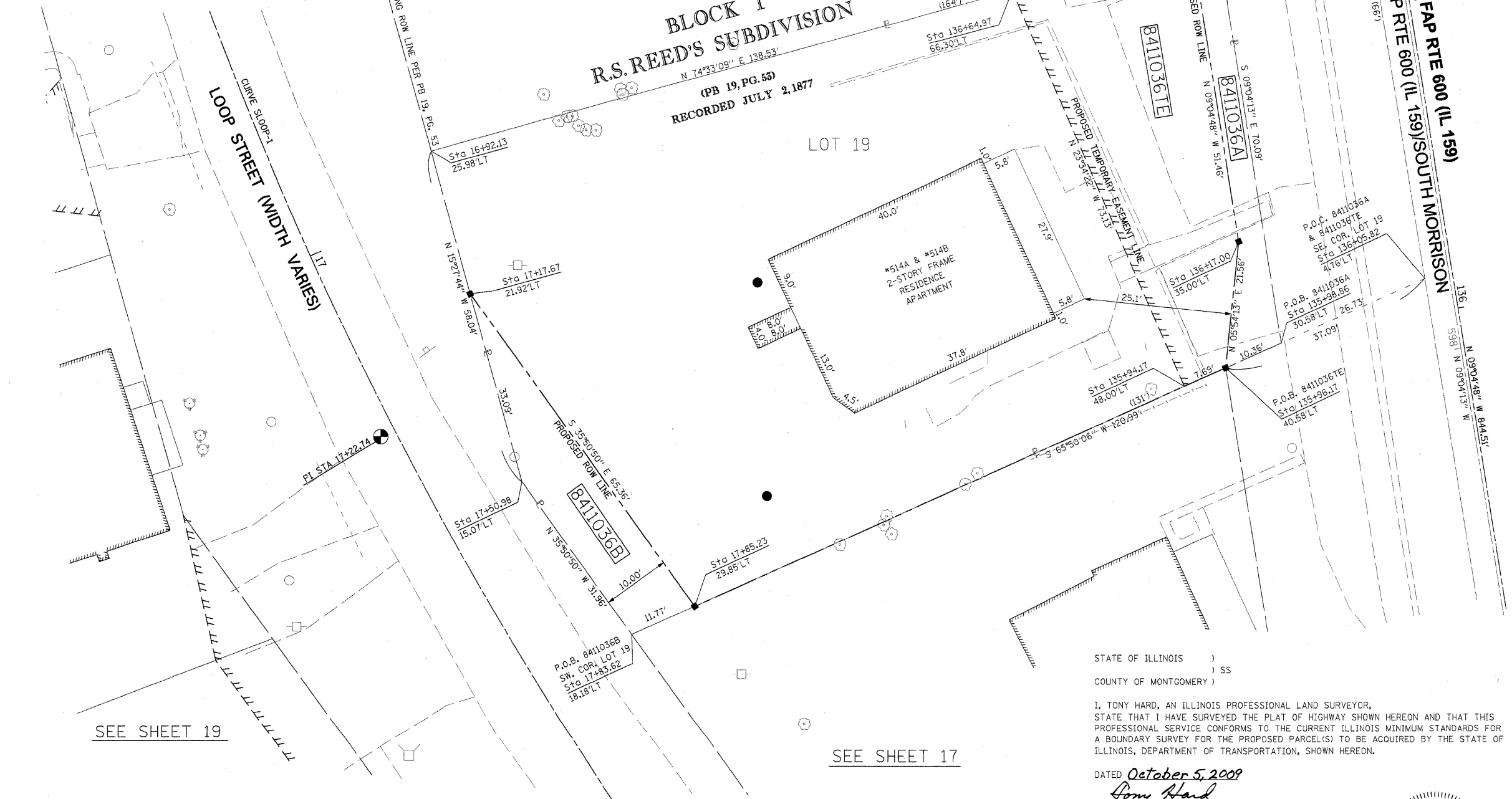
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
135+98.86	30.58' LT	727,628.1614	349,312.5640
135+96.17	40.58' LT	727,623.9215	349,303.1142
135+94.17	48.00' LT	727,620.7741	349,296.0995
136+17.00	35.00' LT	727,645.3719	349,305.3323
136+64.97	66.30' LT	727,687.7993	349,266.8548
136+68.06	38.56' LT	727,695.2328	349,293.7552
136+68.46	35.00' LT	727,696.1878	349,297.2111
136+68.96	30.56' LT	727,697.3769	349,301.5142
17+83.62	18.18' LT	727,578.6335	349,202.1790
17+50.98	15.07' LT	727,604.5413	349,183.4611
17+17.67	21.92' LT	727,636.4311	349,174.6400
17+85.23	29.85' LT	727,583.4513	349,212.9167
143+28.62	PC	728,353.5933	349,227.5911
134+84.11	PT	727,519.6675	349,360.8661
16+46.01	PC	727,692.8512	349,127.1265
17+98.78	PT	727,556.2714	349,194.8182
17+22.74	PI	727,620.6264	349,153.0331
16+92.13	LT	727,660.4786	349,167.9881

CURVE SLOOP-1  
 PI Sta = 17+22.74  
 $\Delta = 13^\circ 15' 46''$  (LT)  
 $T = 76.73'$   
 $L = 152.78'$   
 $R = 660.00'$   
 $C = 152.43'$   
 $CB = S 26^\circ 21' 50'' E$   
 $PC Sta = 16+46.01$   
 $PT Sta = 17+98.78$



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 46 FOR CONTROL POINTS WITH CROSSIES  
 (a) - SET DRILL HOLE WITH MAG NAIL  
 (b) - SET MAG NAIL OR LANDSCAPE NAIL



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION				EASEMENTS				PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY		
			GROSS ACRES	PREVIOUSLY DEDICATED ACRES	NET ACRES	REMAINDER ACRES	PE = PERMANENT ACRES	TE = TEMPORARY ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER				
8411036	LYLE BUETTNER & CHRISTINE BUETTNER, AS JOINT TENANTS TITLE REPORT NO. MA-3443,0	0.2413	A 0.0084 B 0.0129	A 366 B 561	-	-	A 0.0084 B 0.0129	A 366 B 561	0.2200	TE 0.0355	1,546	TE GRADING, ENTRANCE & SIDEWALK CONSTRUCTION	13-2-21-34-13-301-004	

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF MONTGOMERY )

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DATED October 5, 2009  
*Tony Hard*  
 TONY HARD, PLS NO. 2953



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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
 FAP ROUTE 600 (IL 159)  
 SECTION 60-(30,31,128)-1  
 MADISON COUNTY  
 JOB NO. R-98-011-04  
 STATION 135+75 TO STATION 136+75 FAP 600 (IL 159)

SCALE: 1" = 10'		SHEET 18 OF 46	
F.A.P. RTE. 600	SECTION 60-(30,31,128)-1	COUNTY MADISON	TOTAL SHEETS 399
COMPLETION DATE OF FIELD WORK PERFORMED		SHEET NO. 199	
LAND SURVEY: 10-11-05	ROW STAKING: 09-17-09	CONTRACT NO. 76830	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			