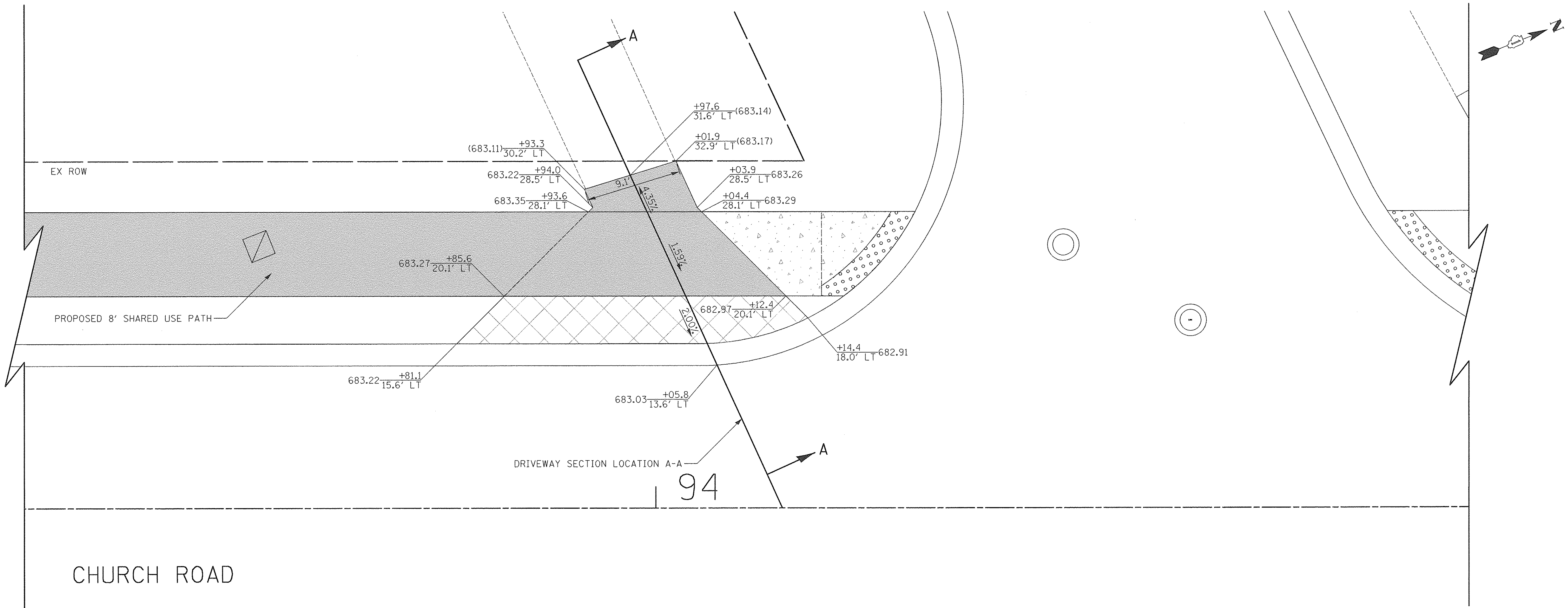


DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

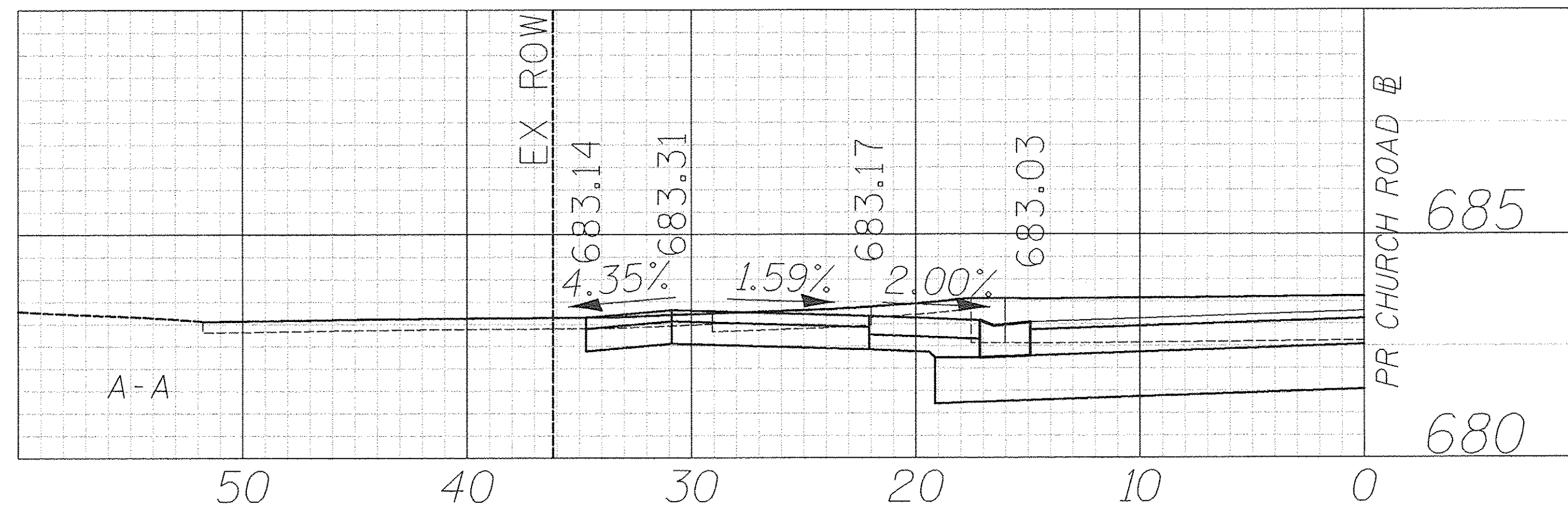
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REVIEWED	
PLANNED	
NOTE BOOK	
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192 S CHURCH ROAD
PIN: 03-14-317-017

LEGEND

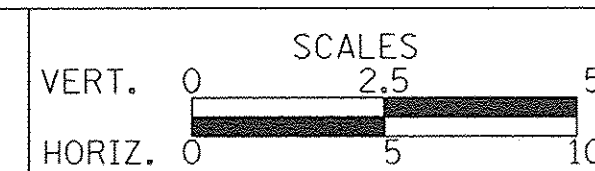
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

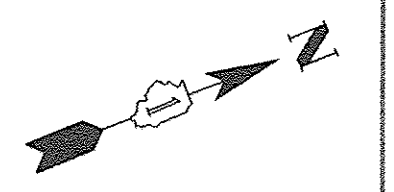
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



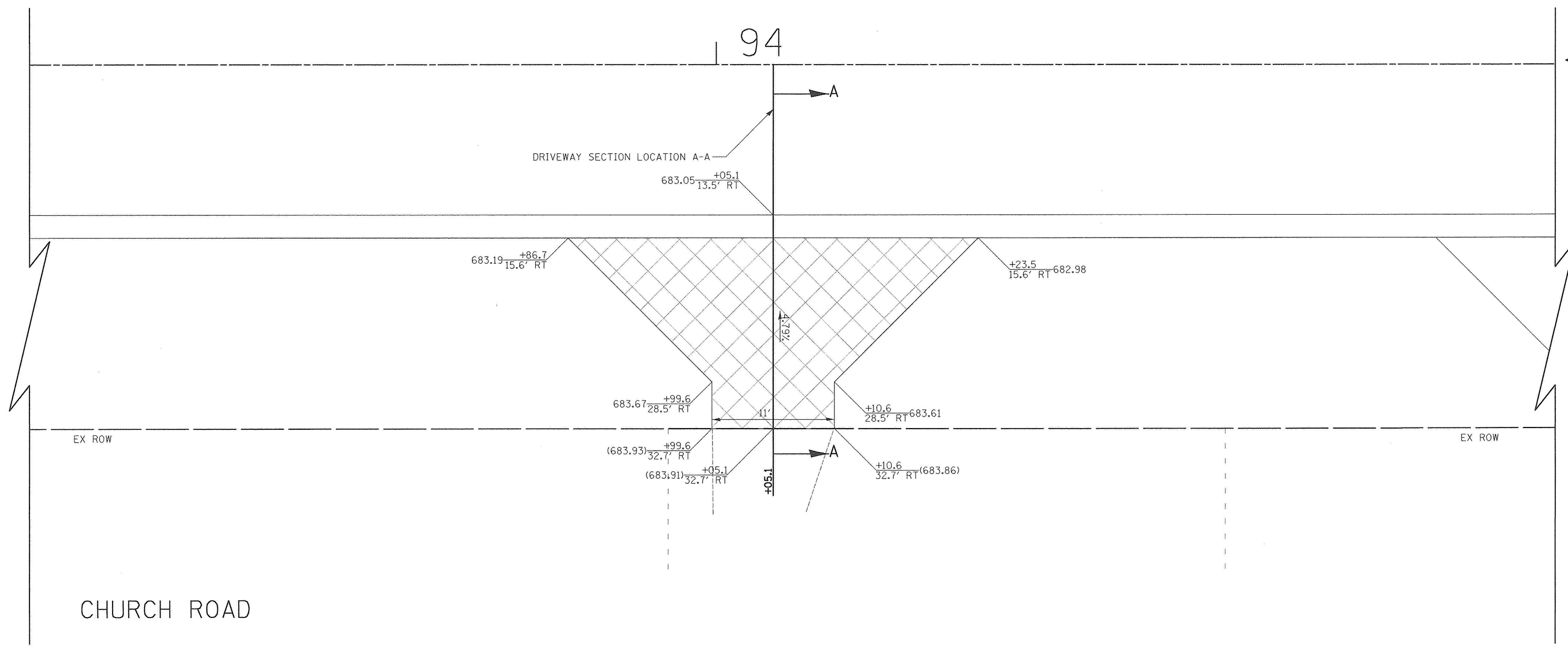
DRIVEWAY DETAILS
CHURCH ROAD - STA. 94 + 12.0

SHEET NO. 42 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	101
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



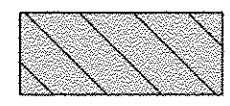



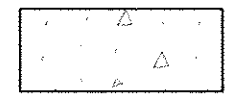
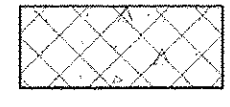
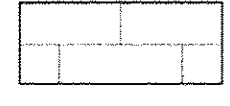
94

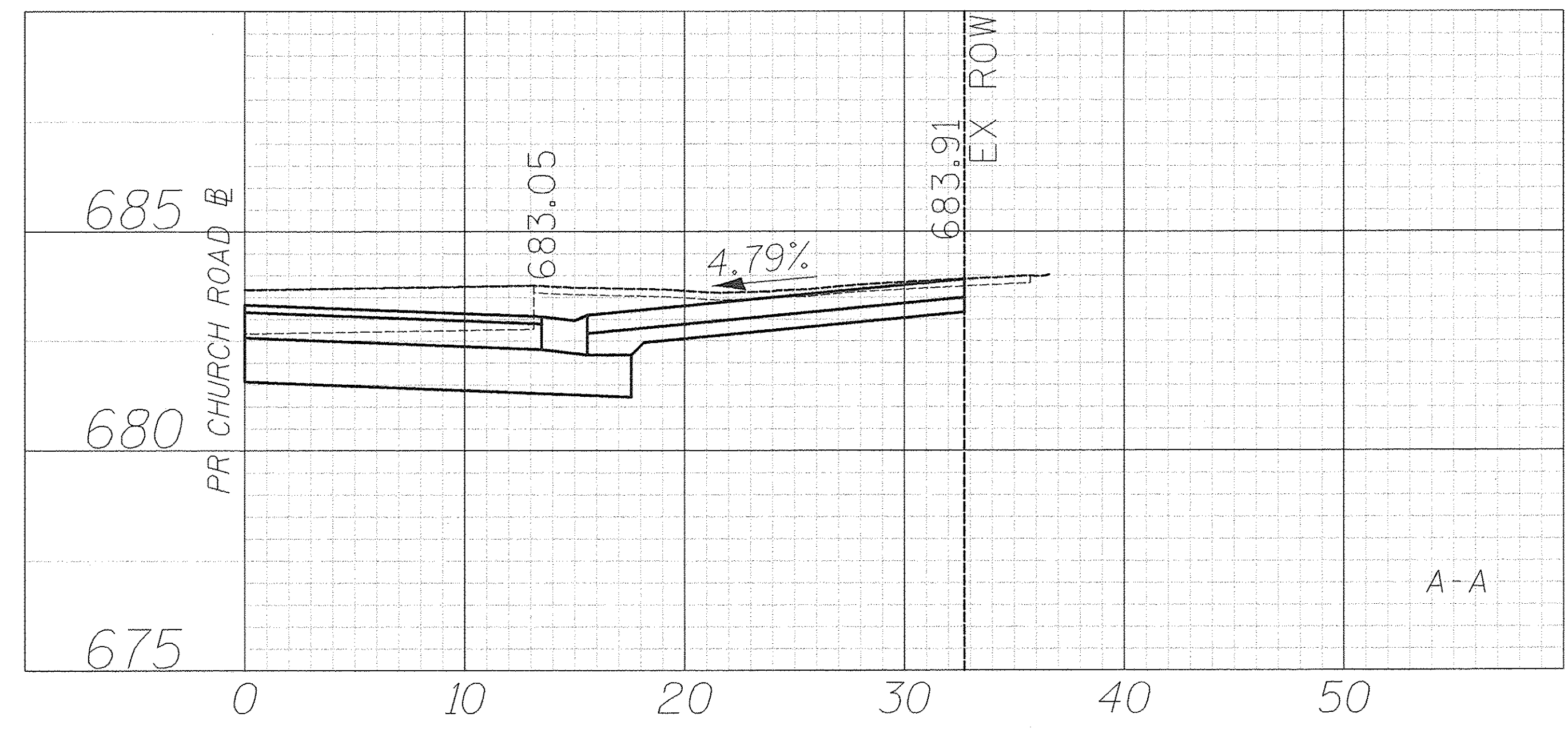


CHURCH ROAD

193 S CHURCH ROAD
PIN: 03-14-316-005

LEGEND

-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



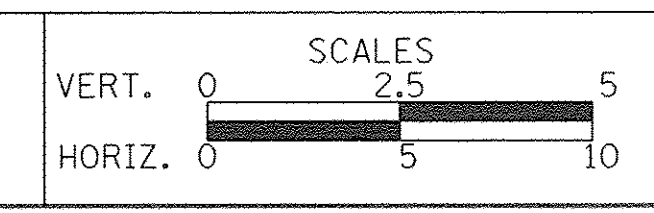
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

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

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CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

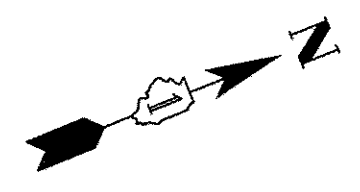
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 94 + 05.1

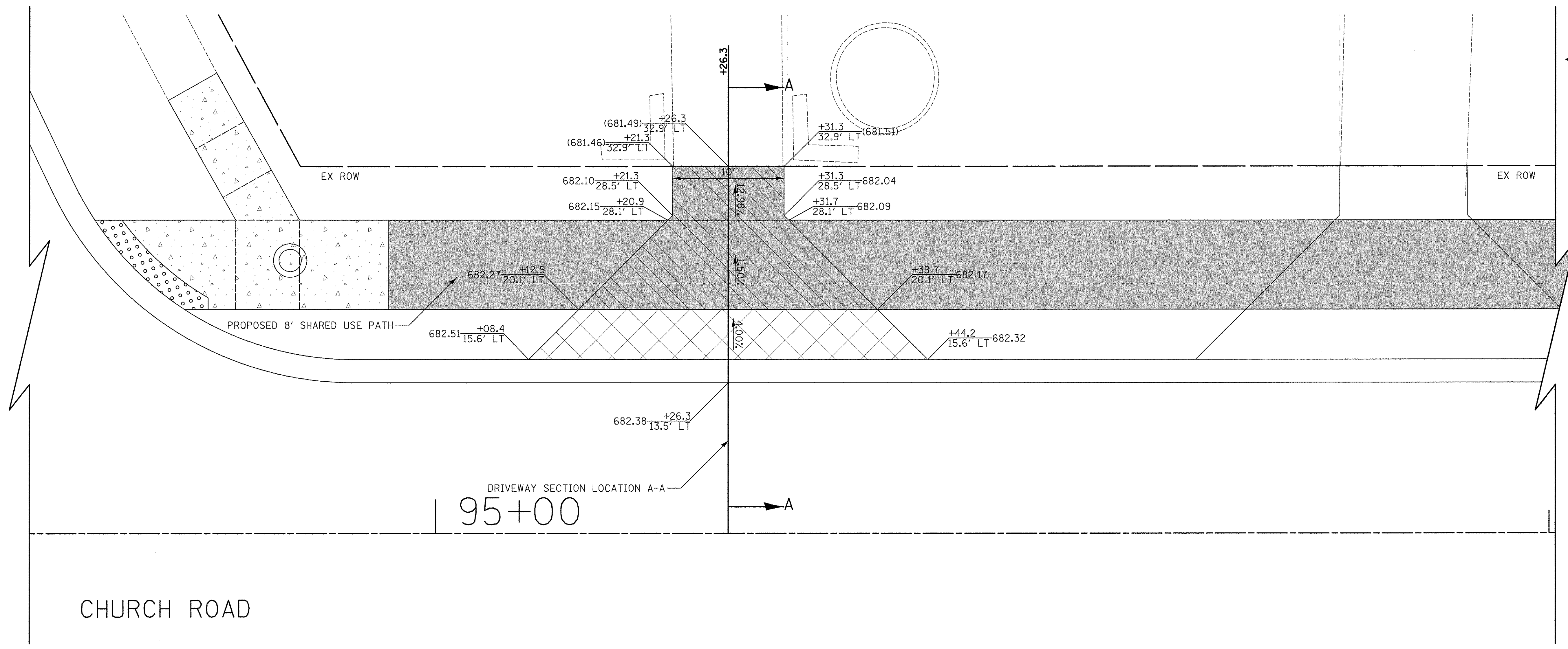
SHEET NO. 43 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	102
CONTRACT NO. 61060				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



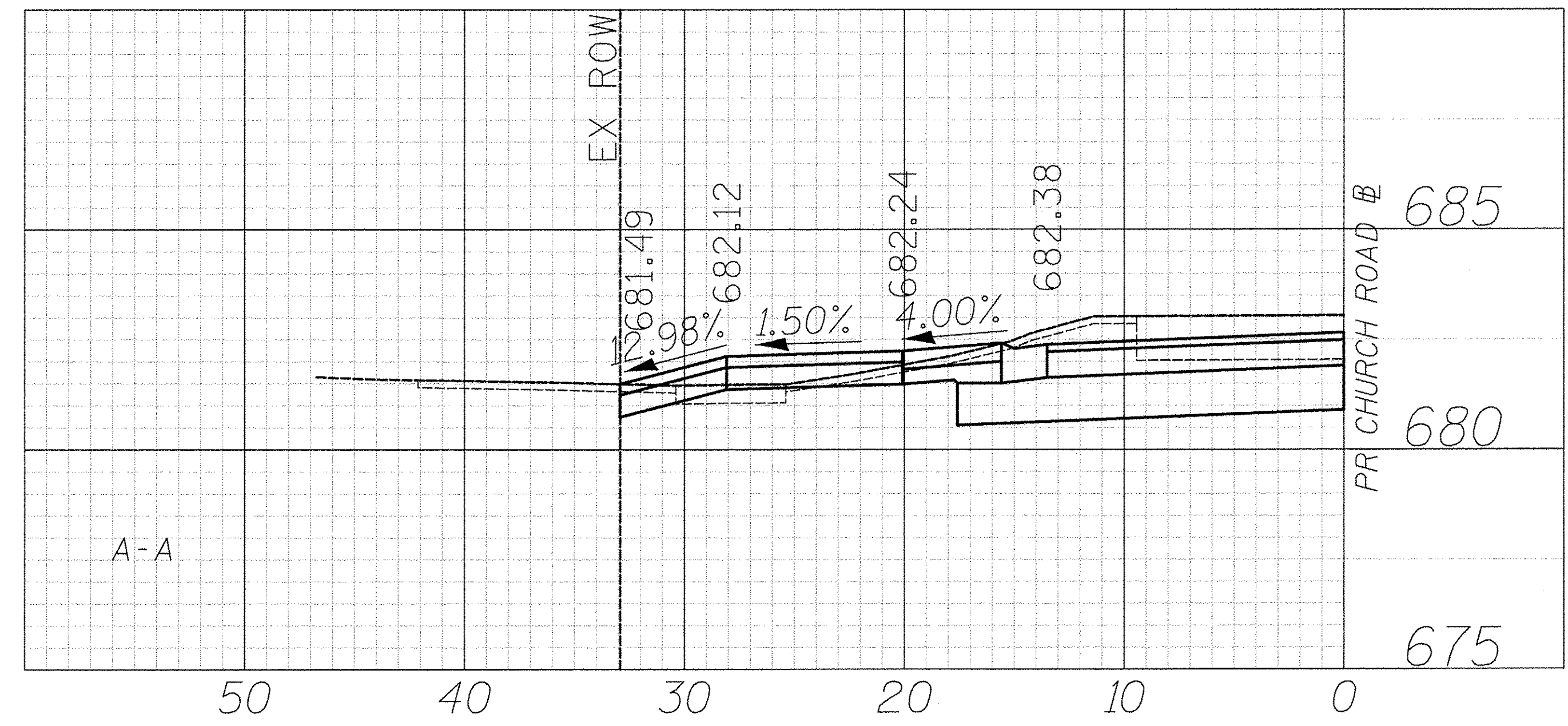
DATE	
BY	
PLANNING CHECKED	
DESIGNED CHECKED	
NOTED BY	
NO. OF WAY CHECKED	
PAID FILE NAME	
PLAN	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
STRUCTURE NOTATION CHECKED	

DATE	
BY	
PLANNING CHECKED	
DESIGNED CHECKED	
NOTED BY	
NO. OF WAY CHECKED	
PAID FILE NAME	
PROFILE	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
STRUCTURE NOTATION CHECKED	



188 S CHURCH ROAD
PIN: 03-14-314-018

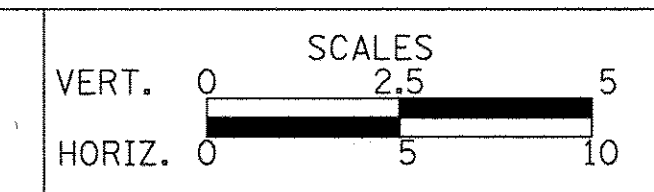
- LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



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CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

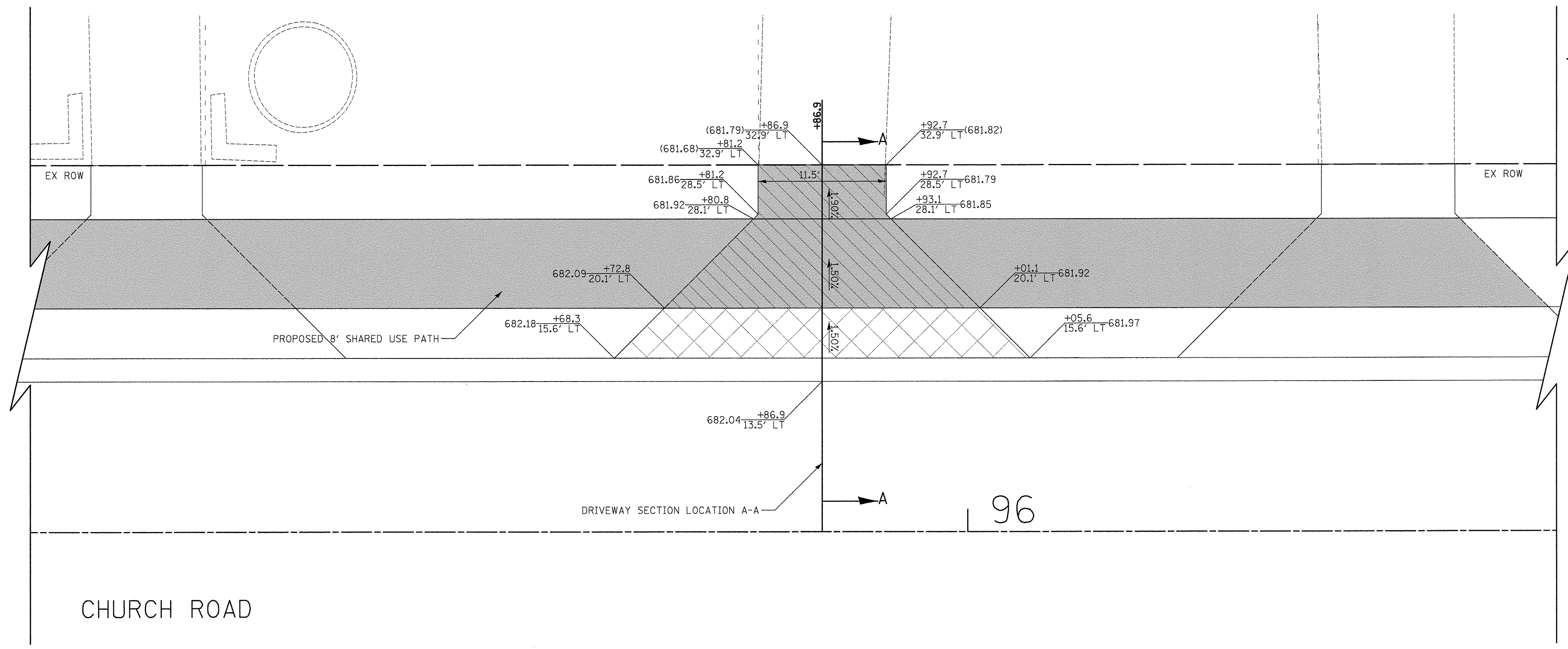
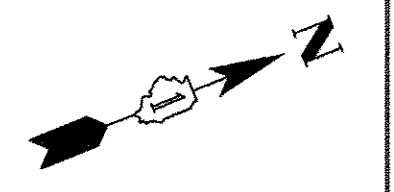
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS
CHURCH ROAD - STA. 95 + 26.3**

SHEET NO. 45 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	104
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



184 S CHURCH ROAD
PIN: 03-14-314-016

LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



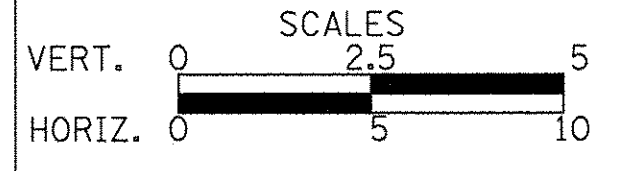
DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NO. _____	

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NO. _____	

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

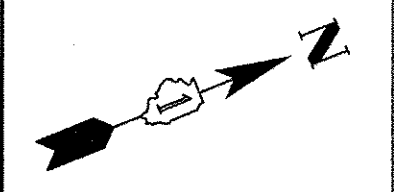
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 95 + 86.9

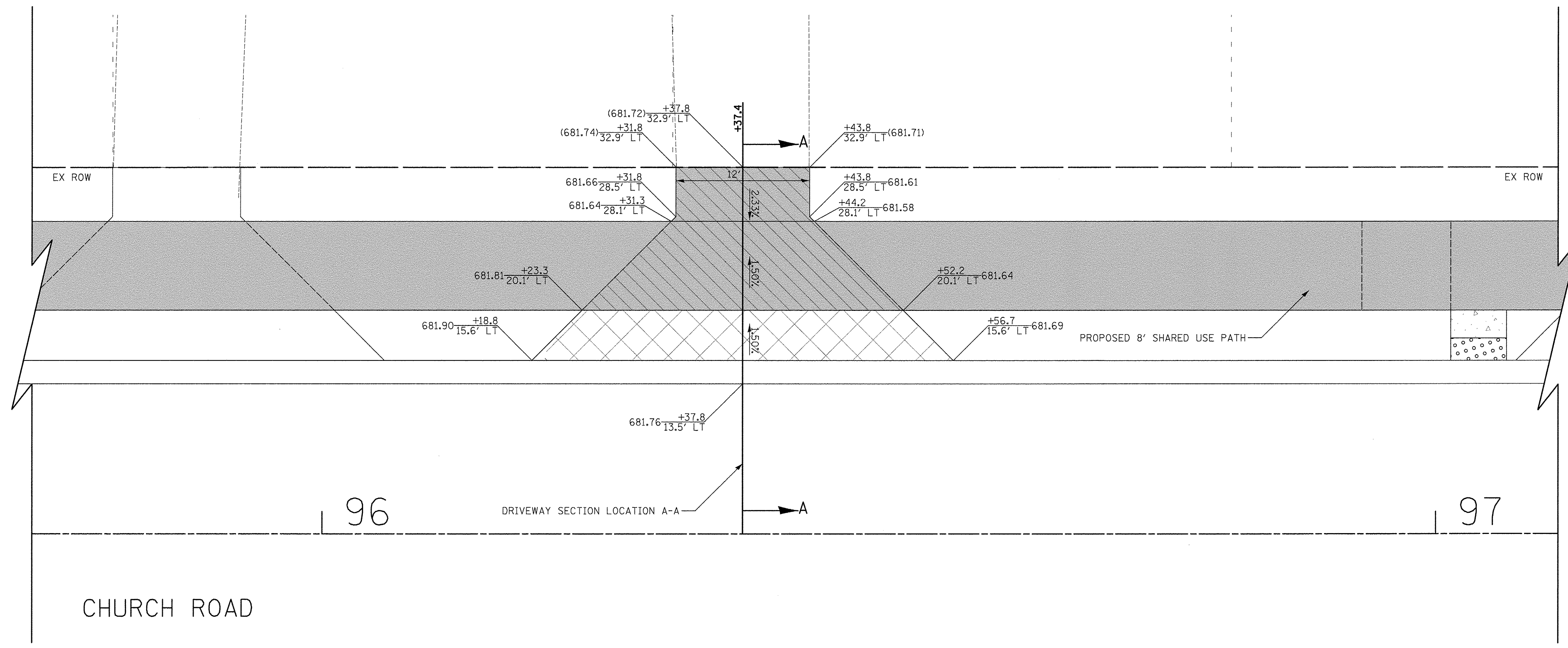
SHEET NO. 47 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	106
				CONTRACT NO. 61D60
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
REVIEWED	
PLANNED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	

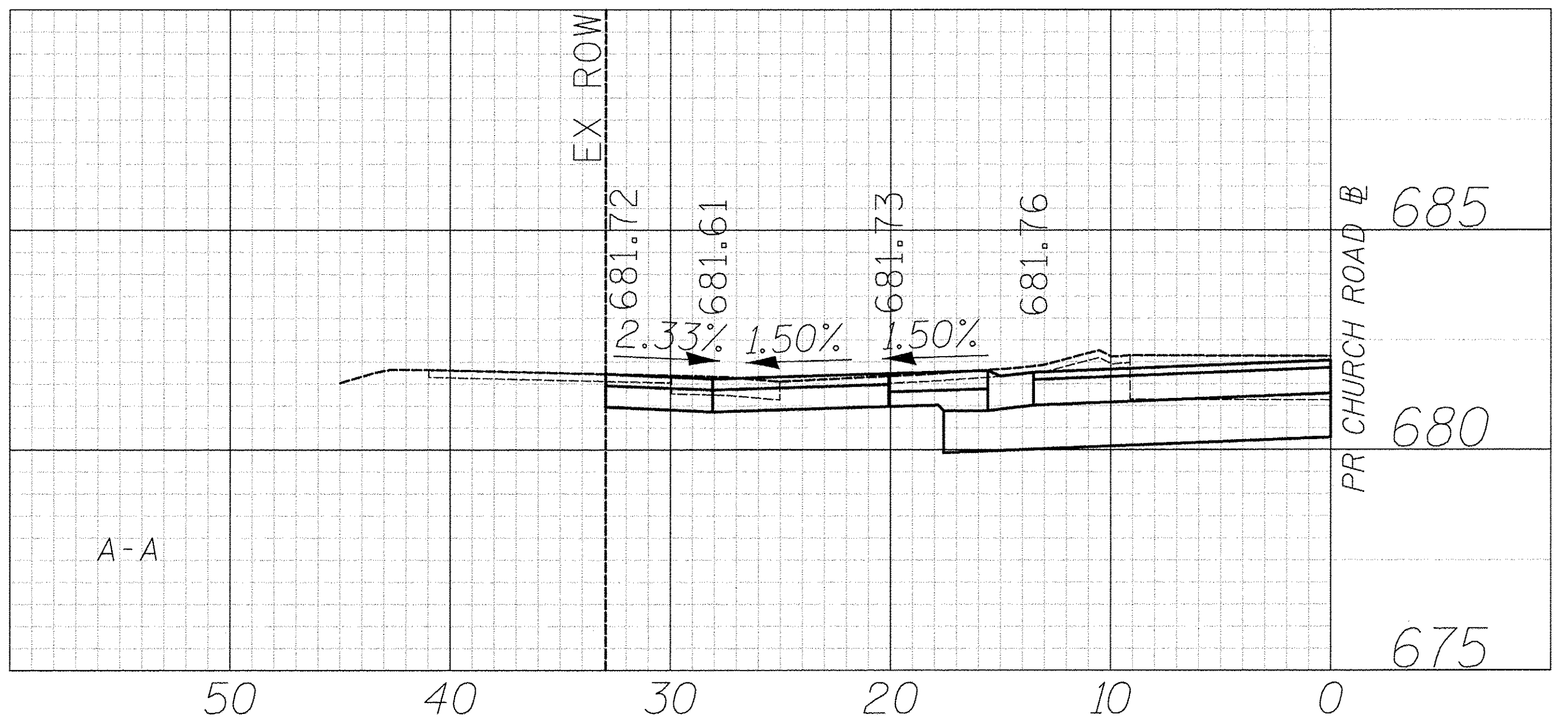
DATE	
BY	
REVIEWED	
PLANNED	
GRADES CHECKED	
NOTE BOOK	
NO.	



180 S CHURCH ROAD
PIN: 03-14-314-015

LEGEND

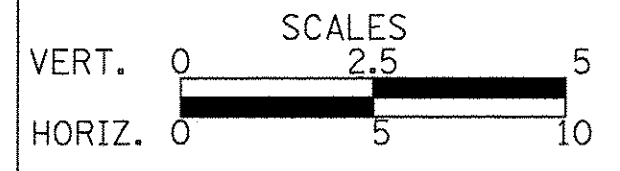
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



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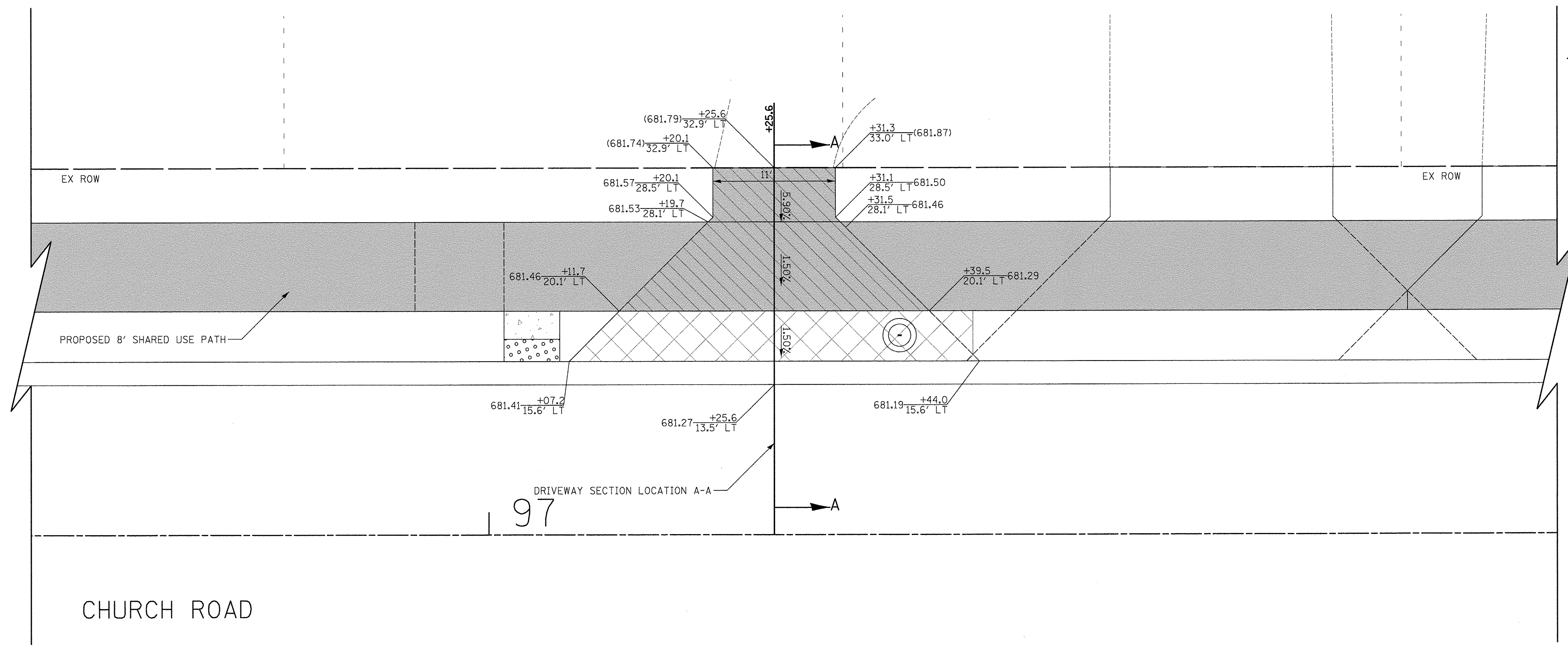
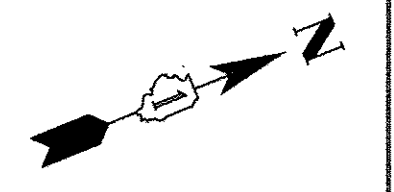


DRIVEWAY DETAILS
CHURCH ROAD - STA. 96 + 37.8

SHEET NO. 49 OF 56 SHEETS

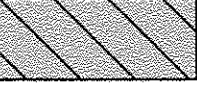



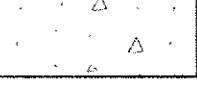
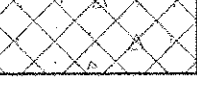
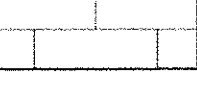
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	108
CONTRACT NO. 61D60				

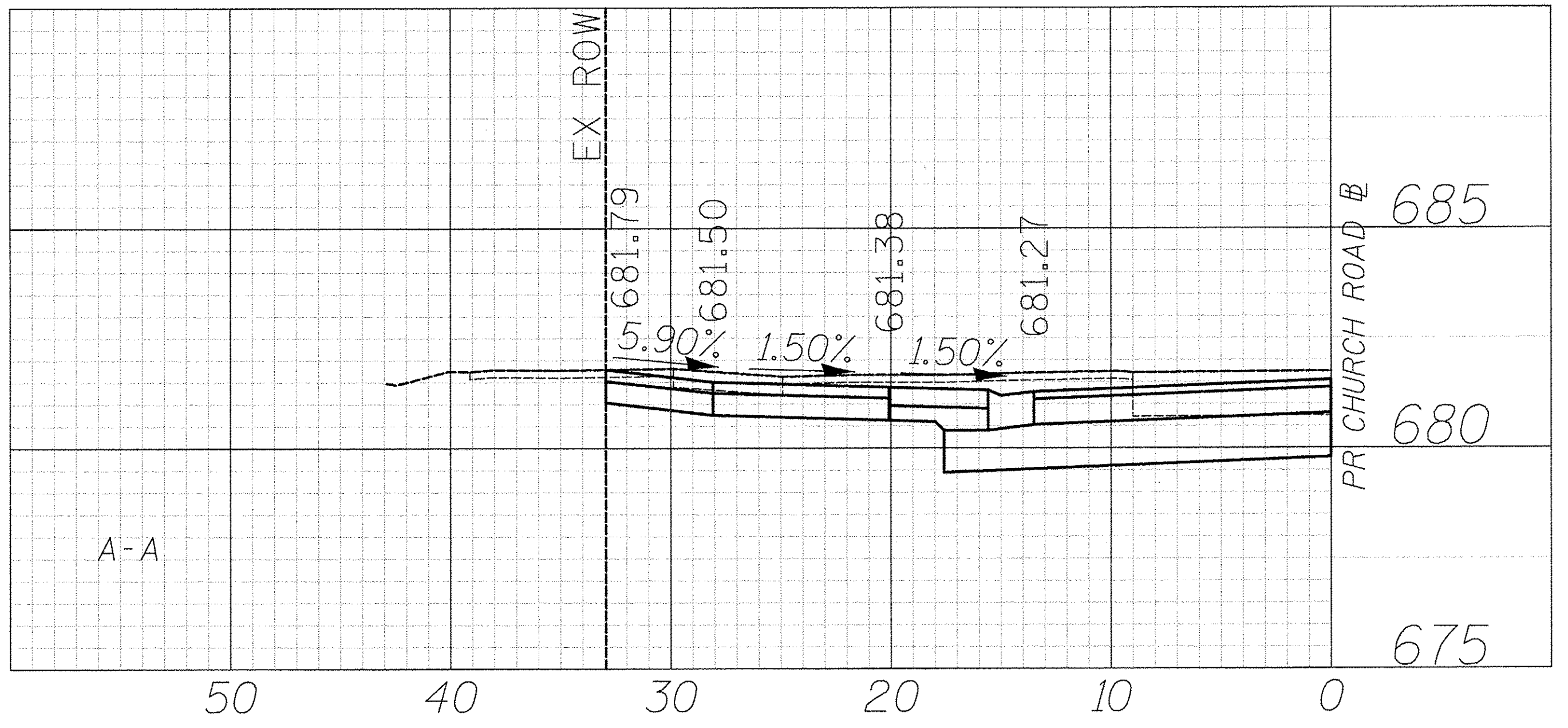
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



168 S CHURCH ROAD
PIN: 03-14-314-014

LEGEND

-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



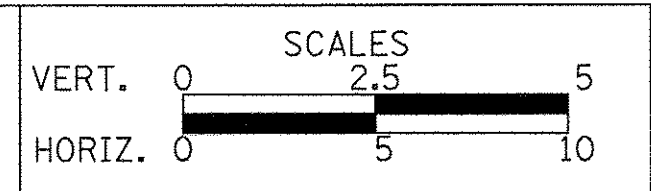
PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	DATE	

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

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CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

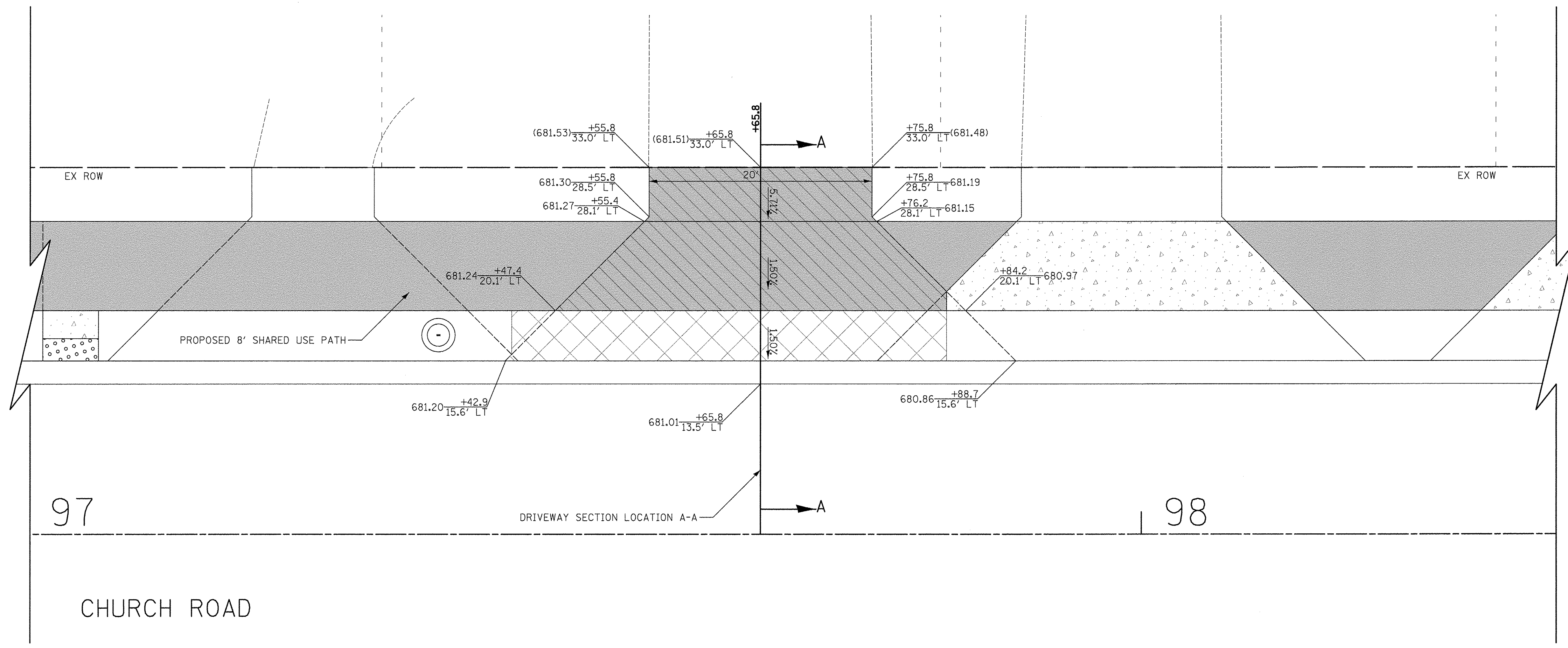
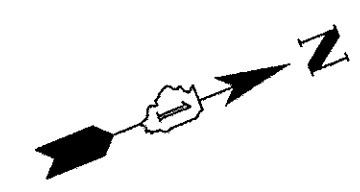
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 97 + 25.6

SHEET NO. 50 OF 56 SHEETS

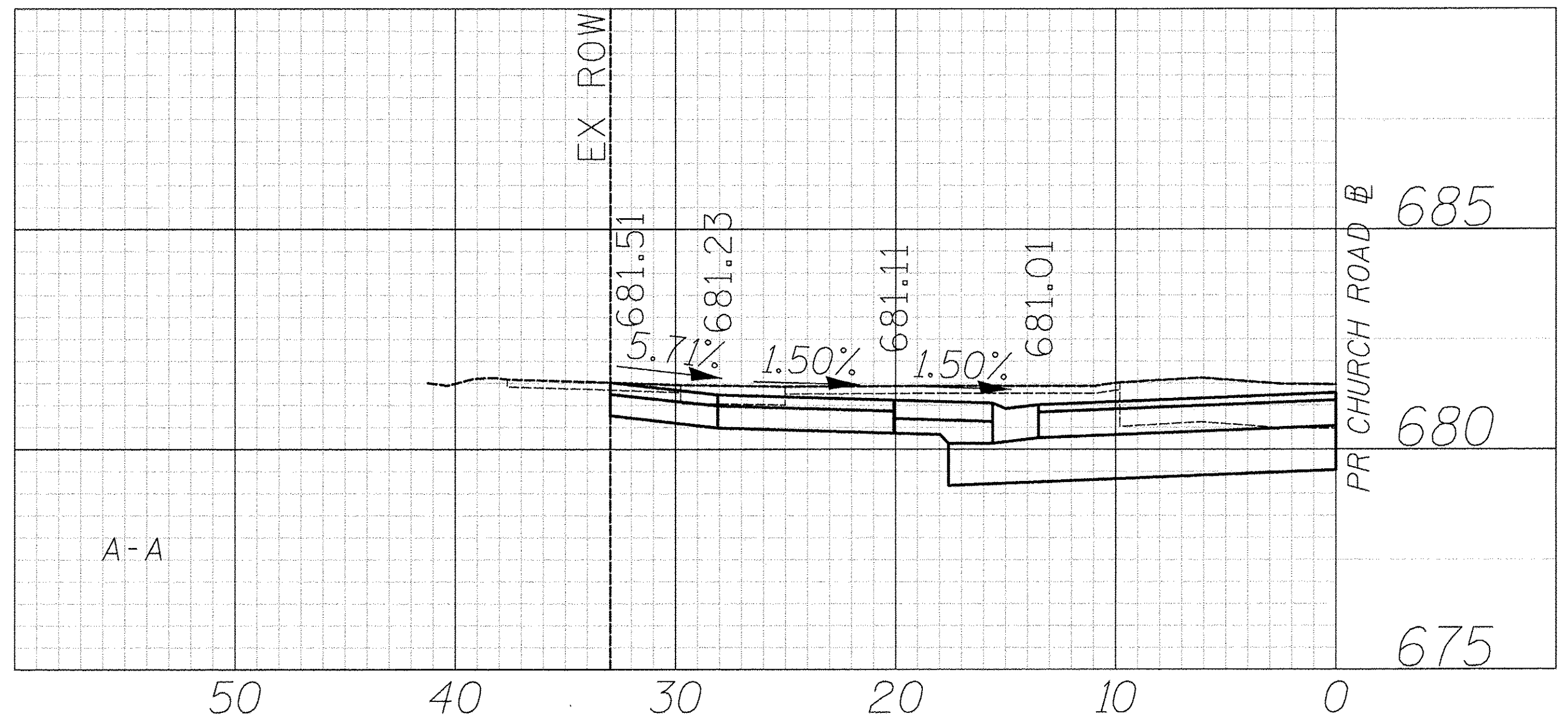
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	109
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



162 CHURCH ROAD
PIN: 03-14-314-013

LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



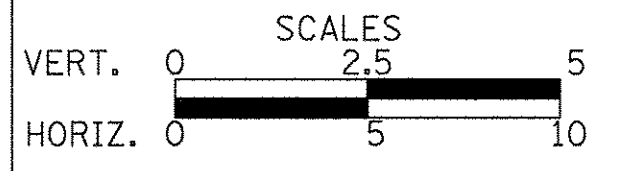
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DATE	_____
BY	_____
SURVEYED	_____
PLOTTED	_____
ALIGNED	_____
CHECKED	_____
NOTED	_____
NO. _____	_____

PROFILE	NO. _____
DATE	_____
BY	_____
SURVEYED	_____
PLOTTED	_____
GRADINGS	_____
CHECKED	_____
STRUCTURE	_____
NOTATION	_____
CHKD	_____
NO. _____	_____

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CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

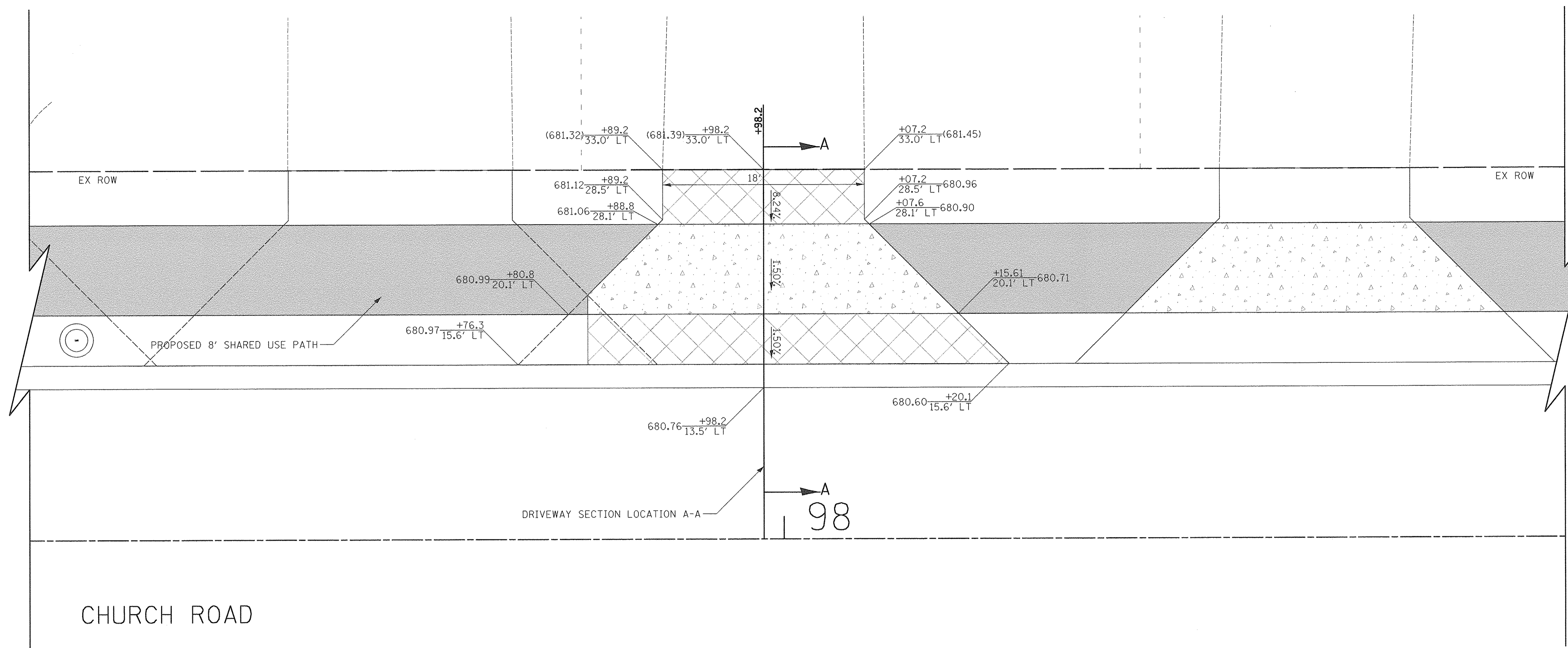
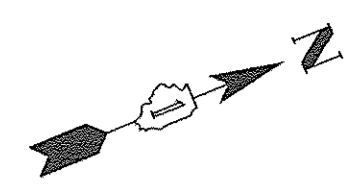
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 97 + 65.8

SHEET NO. 51 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	110
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



CHURCH ROAD

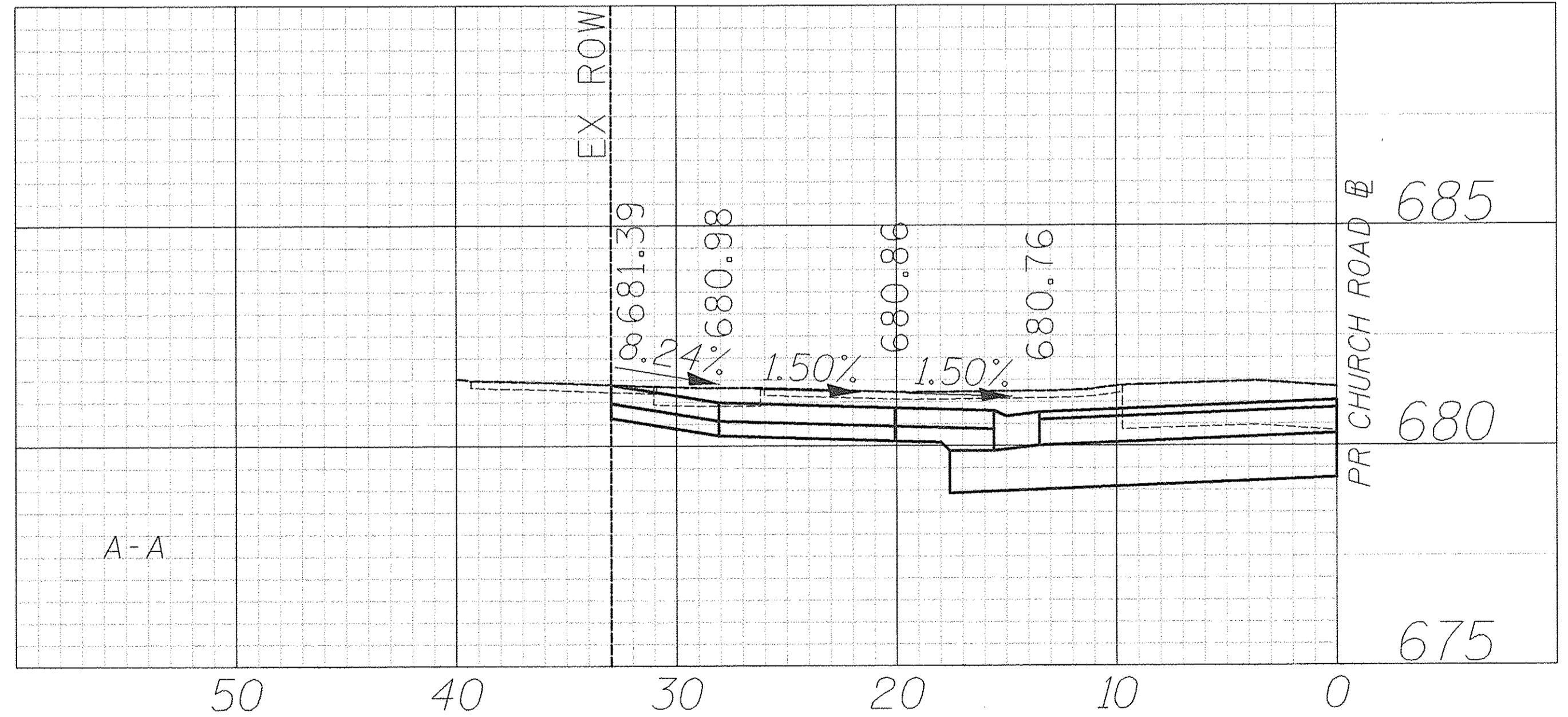
158 S CHURCH ROAD
PIN: 03-14-314-012

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

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

LEGEND

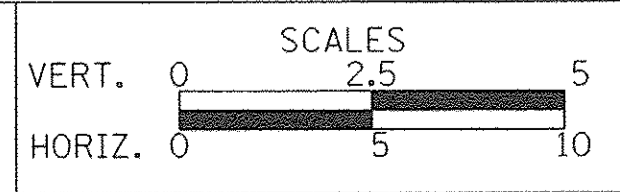
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
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- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
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DRAWN -	TFS	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

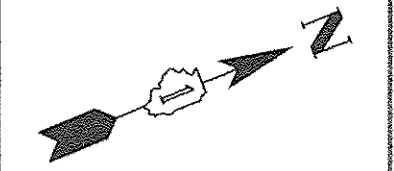
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 97 + 98.2

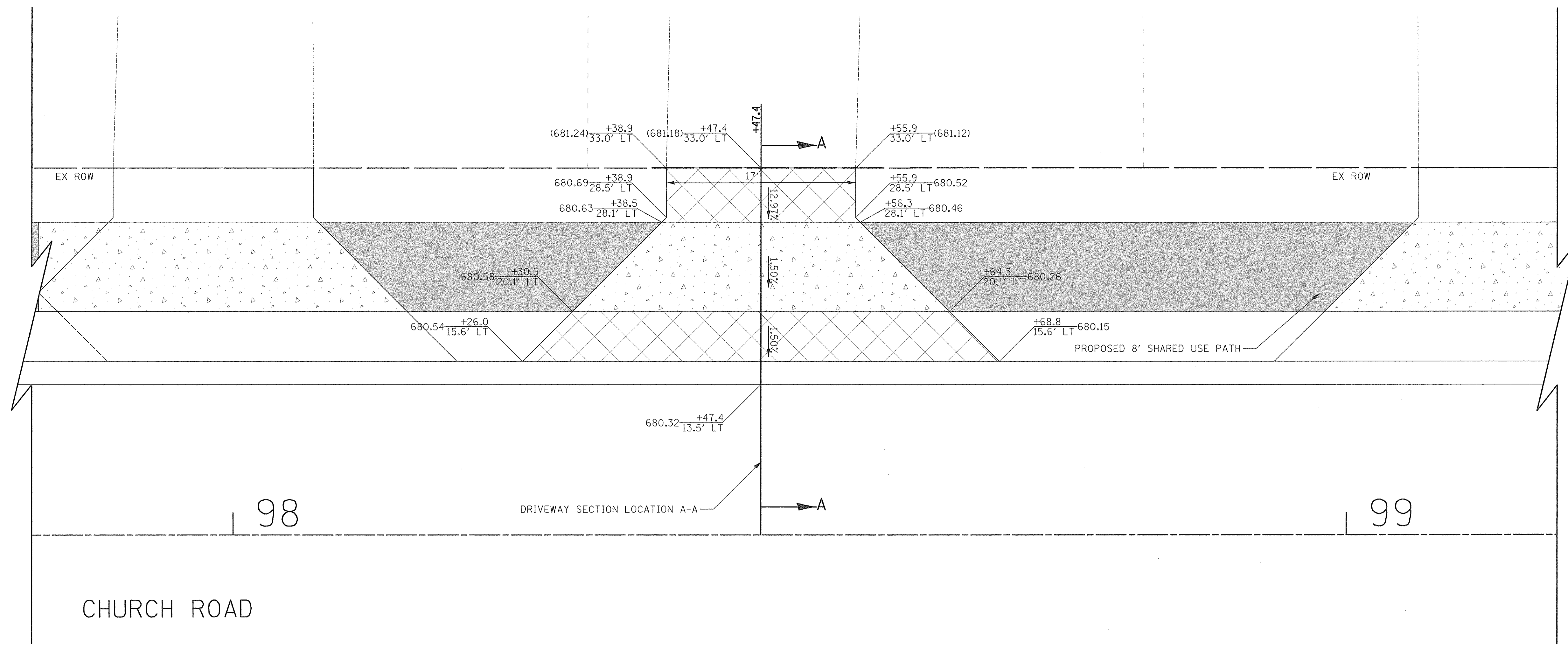
SHEET NO. 52 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	111
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	



DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

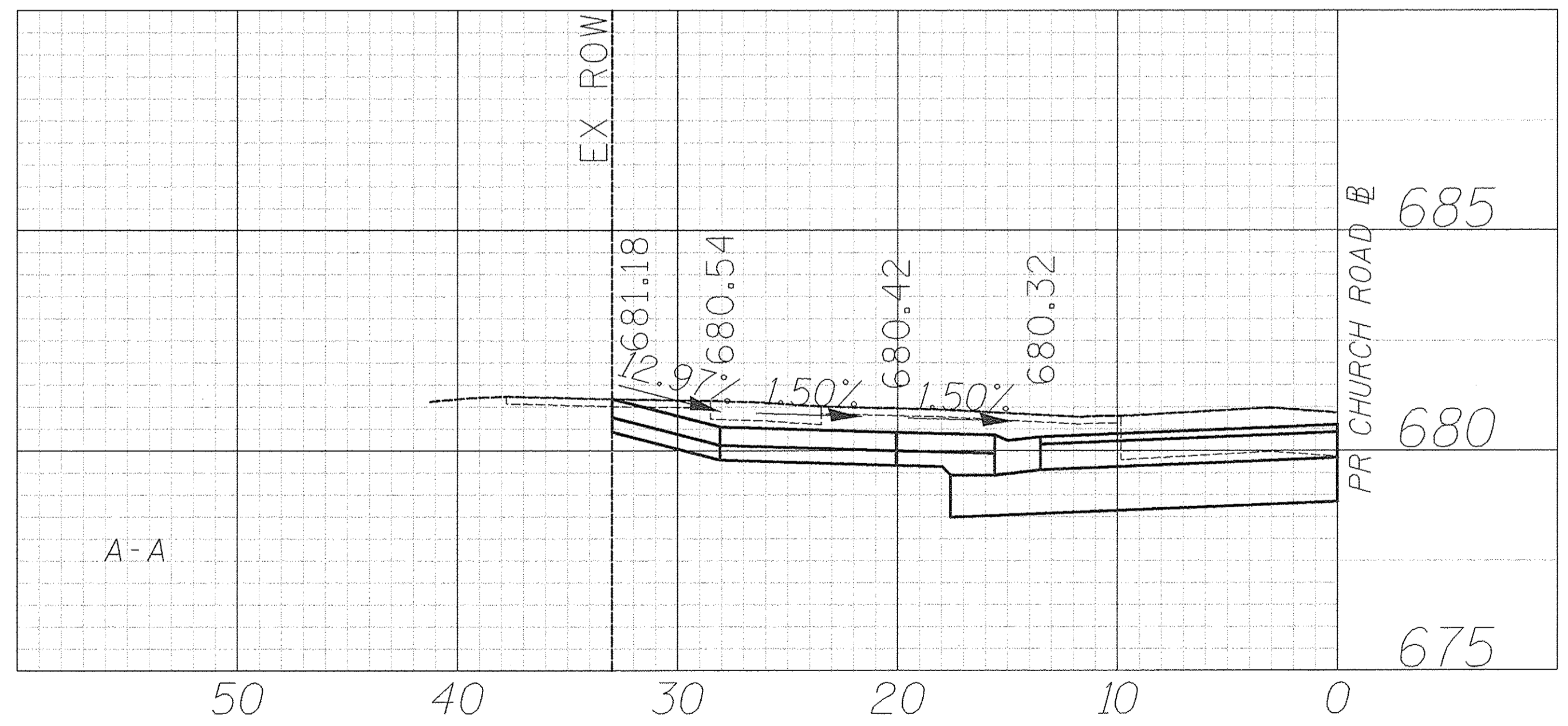
DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	



154 S CHURCH ROAD
PIN: 03-14-314-020

LEGEND

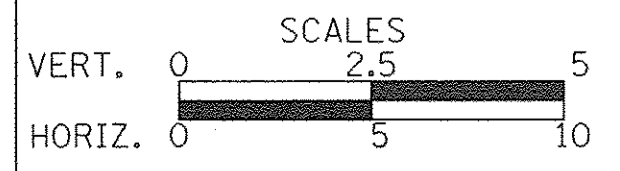
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
- PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

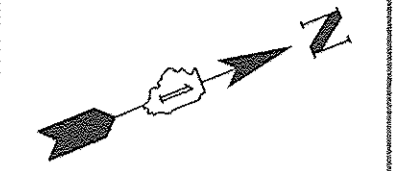
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



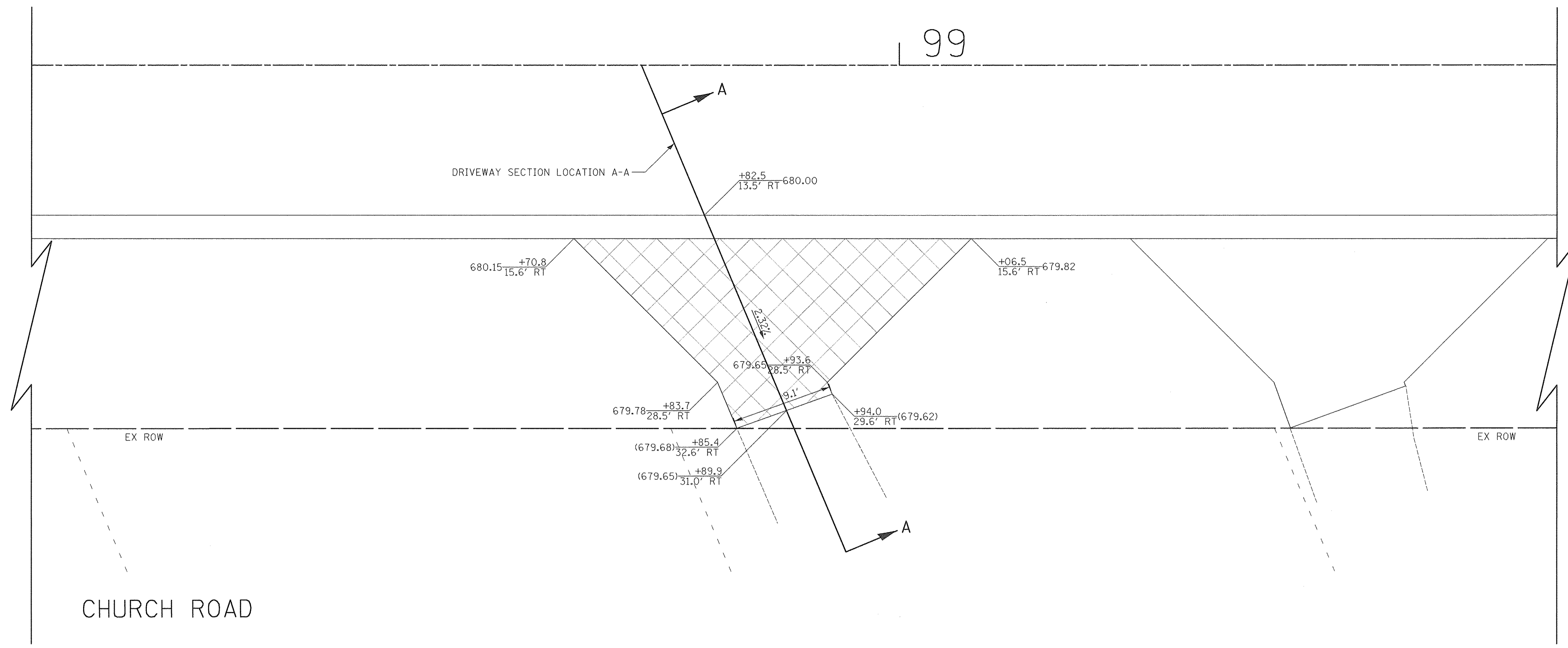
DRIVEWAY DETAILS
CHURCH ROAD - STA. 98 + 47.4

SHEET NO. 53 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	112
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	

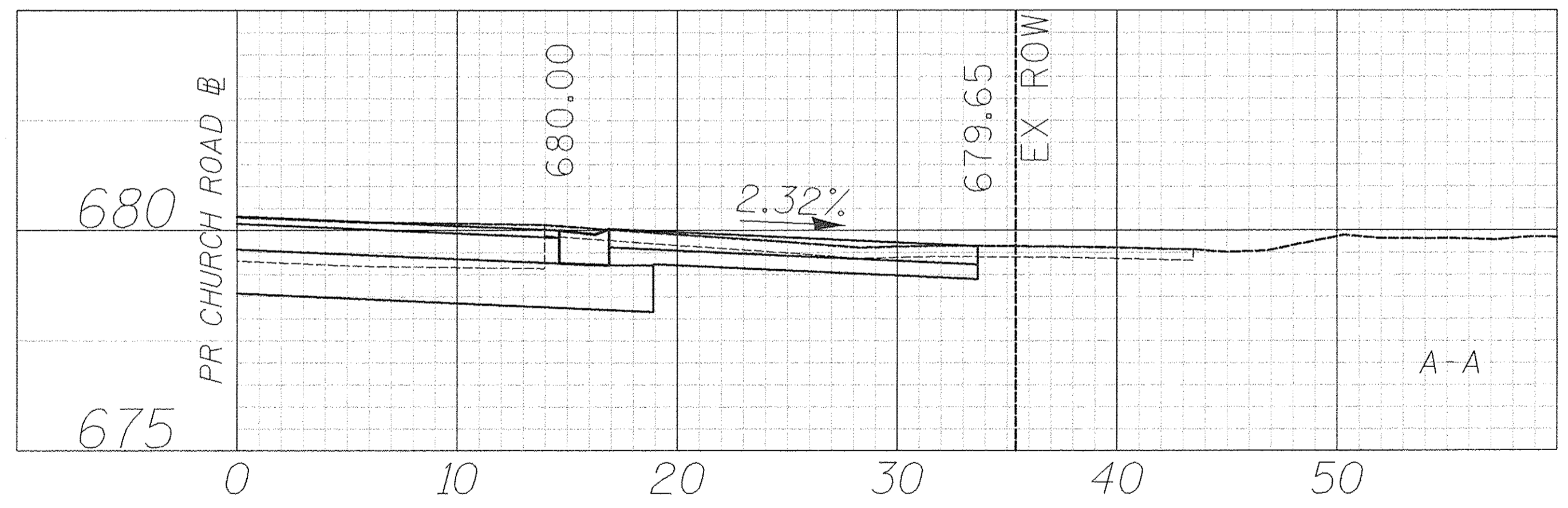


99



CHURCH ROAD

157 S CHURCH ROAD
PIN: 03-14-407-003



DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

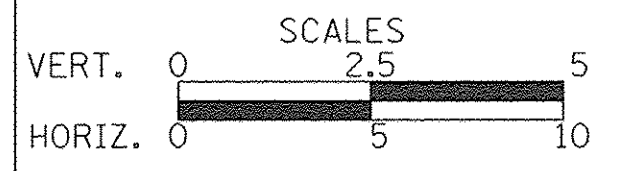
DATE	
BY	
REVISIONS	
PROFILES	
NOTED	
NO.	

- LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

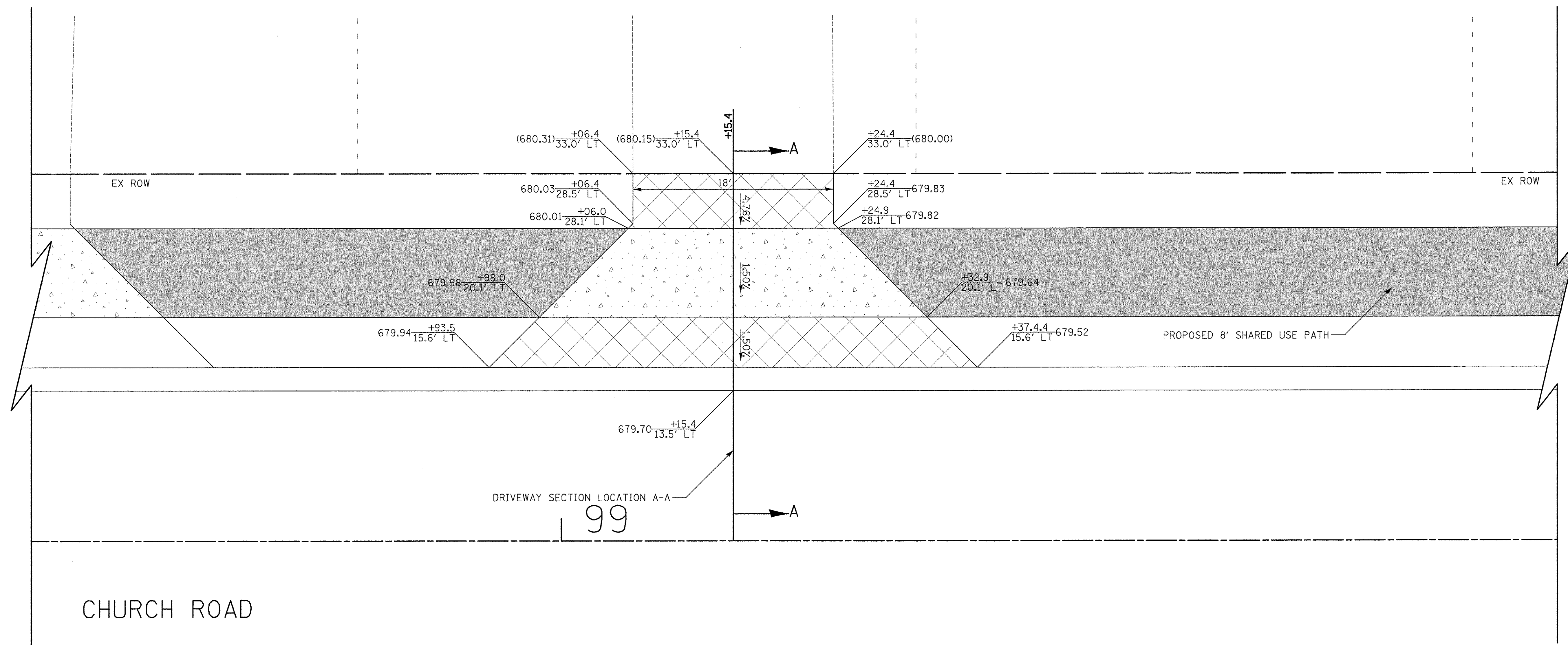
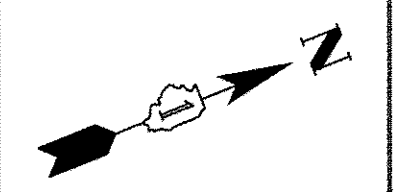
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS
CHURCH ROAD - STA. 98 + 76.8**

SHEET NO. 54 OF 56 SHEETS


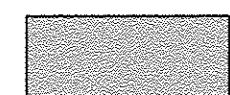




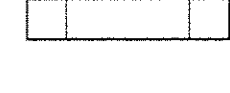
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	113
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	

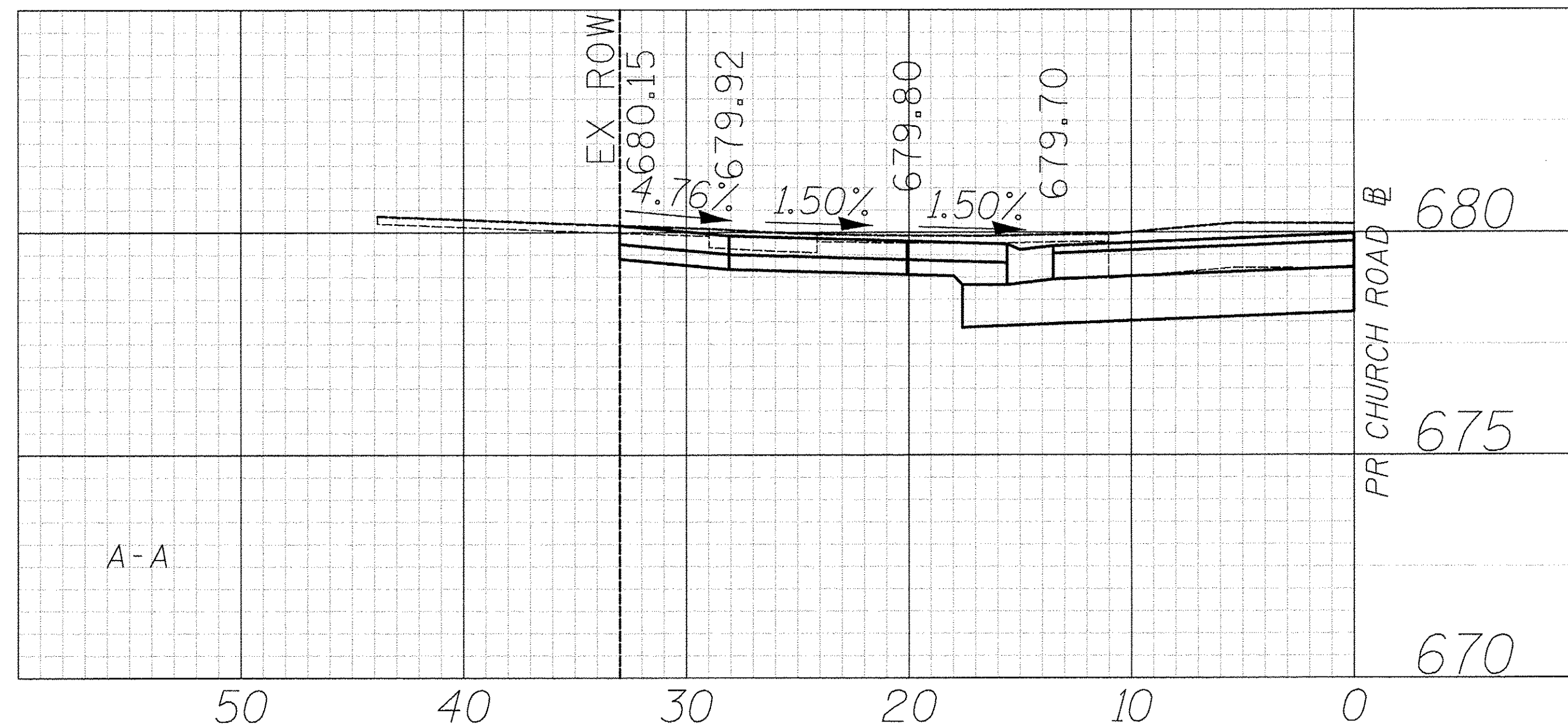


CHURCH ROAD

150 S CHURCH ROAD
PIN: 03-14-314-019

LEGEND

-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
-  PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"



DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

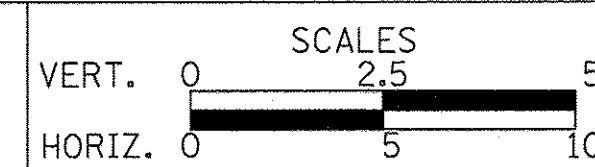
DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	



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CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

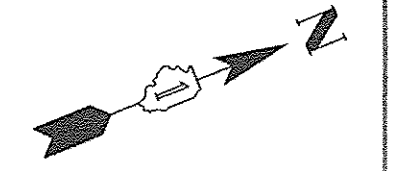
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS
CHURCH ROAD - STA. 99 + 15.4

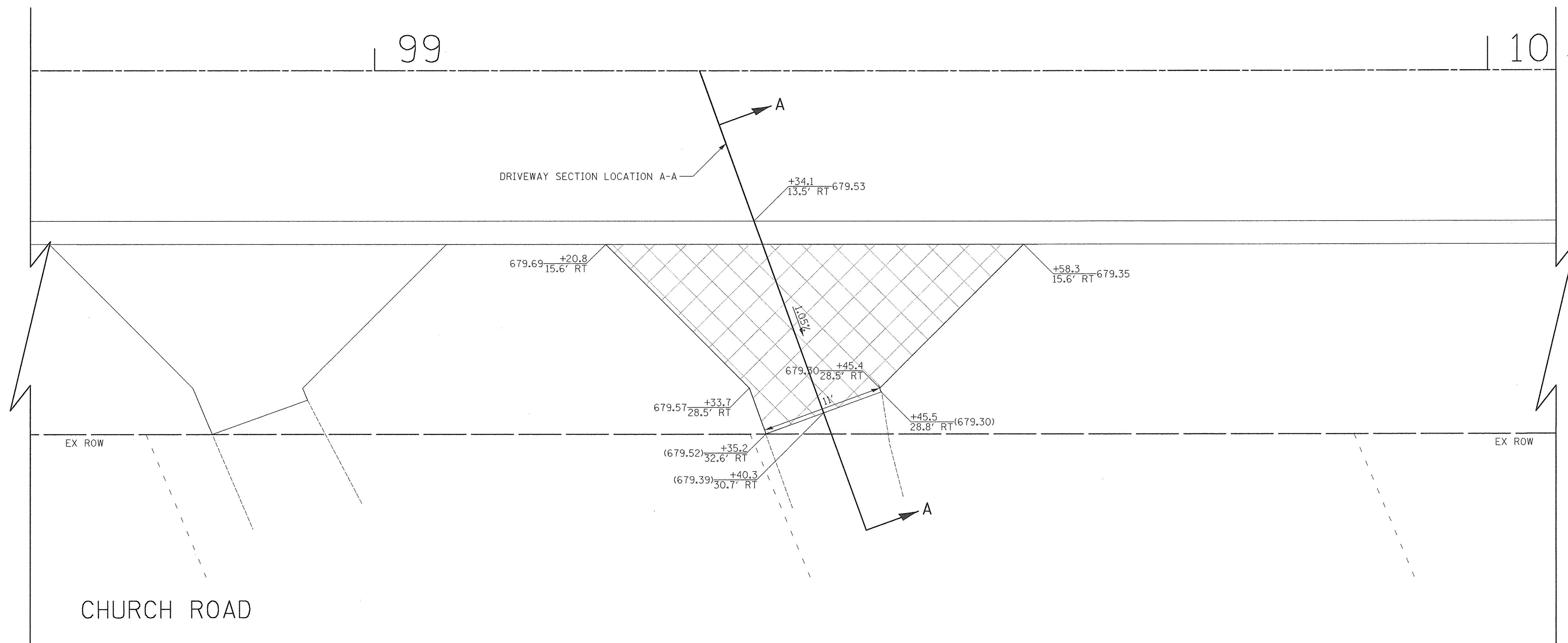
SHEET NO. 55 OF 56 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	114
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

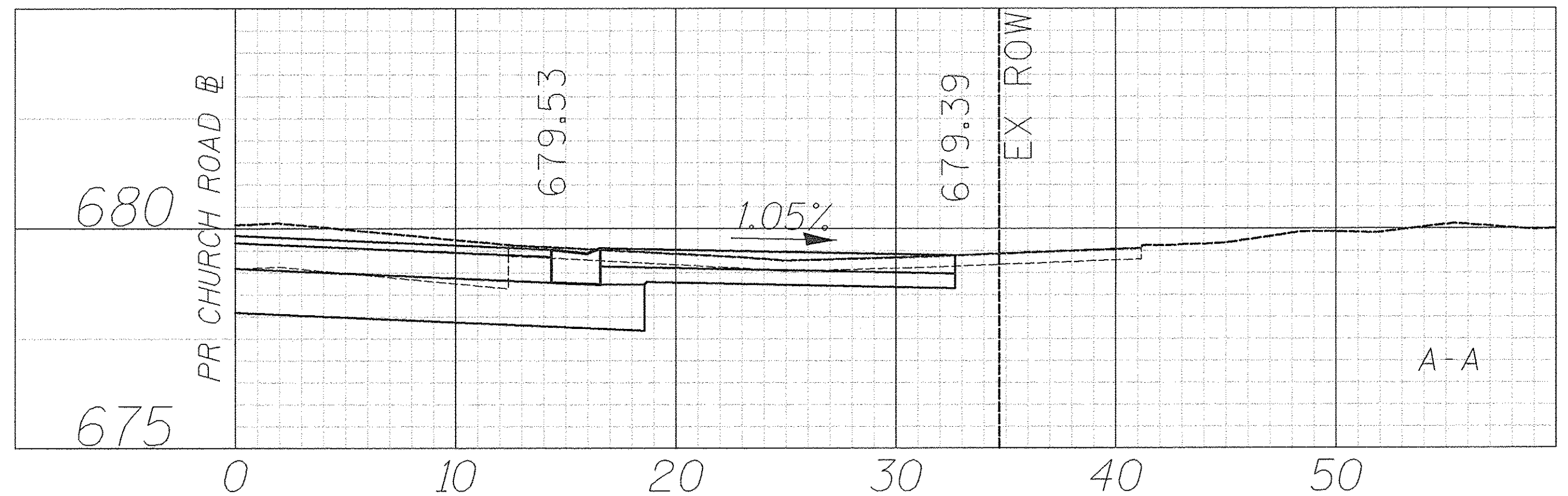


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	
	ADD. FILE NAME	

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



153 S CHURCH ROAD
PIN: 03-14-407-002

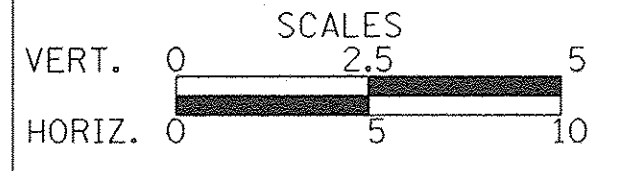


- LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 6"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" AGGREGATE BASE COURSE, TYPE B 6"
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 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.
 - PAVING BRICK PAVEMENT FOR LIGHT TRAFFIC AGGREGATE BASE COURSE, TYPE B, 6"

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DRAWN -	TFS	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



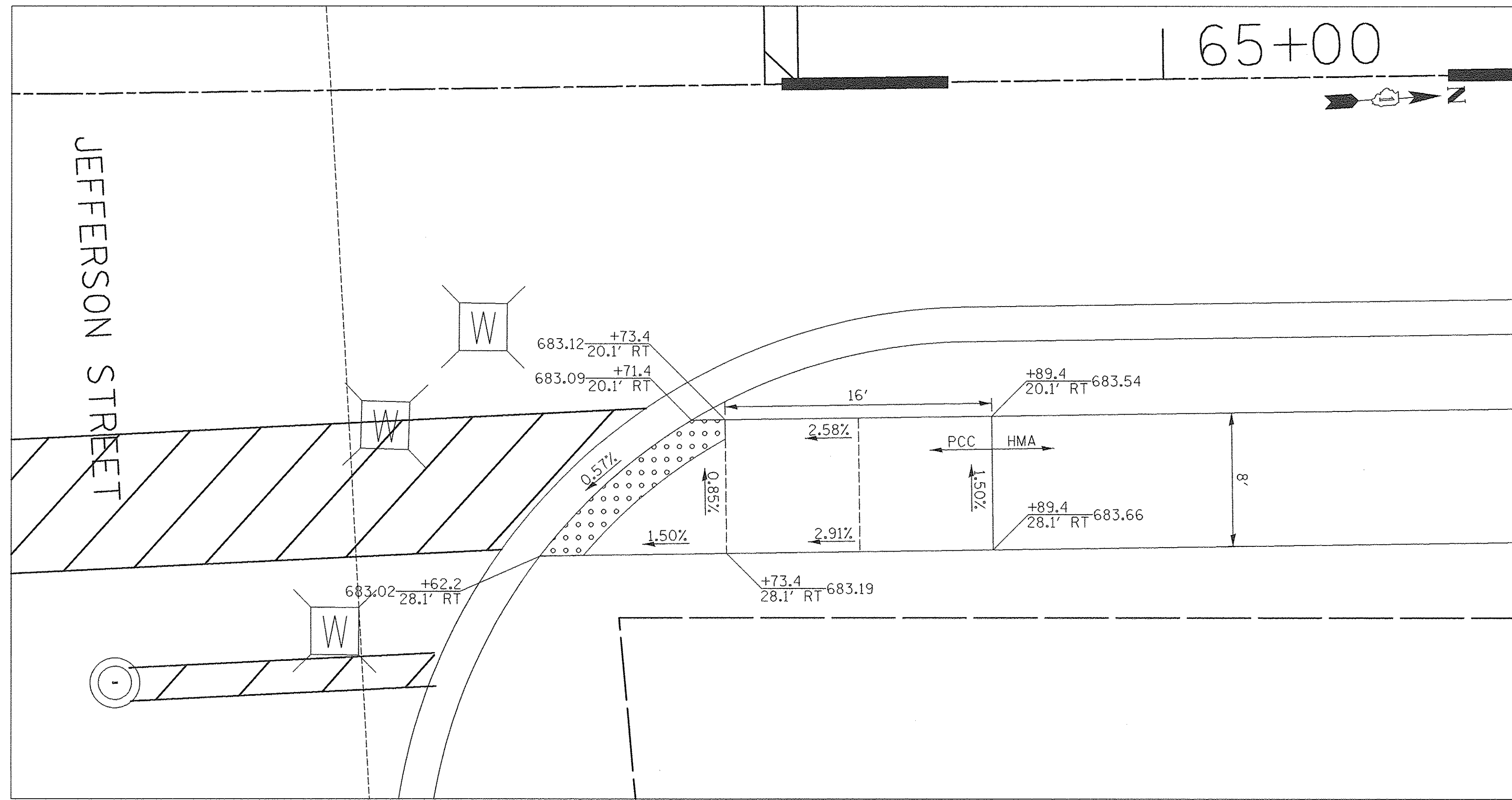
**DRIVEWAY DETAILS
CHURCH ROAD - STA. 99 + 29.2**

SHEET NO. 56 OF 56 SHEETS

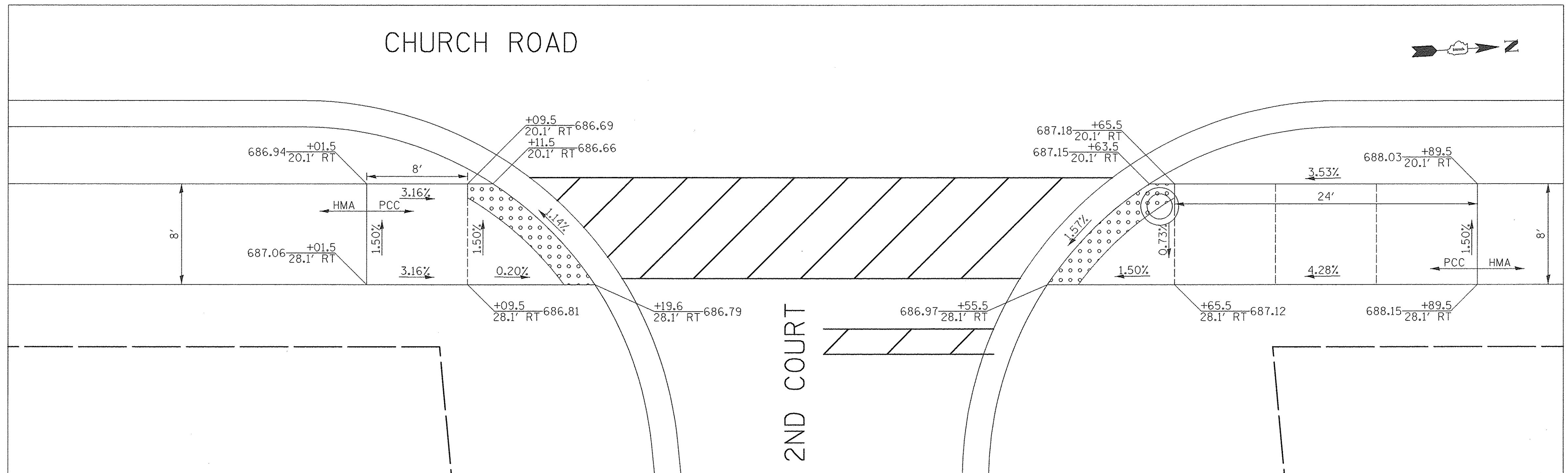
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	115
				CONTRACT NO. 61060
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



NORTHEAST CORNER OF
CHURCH ROAD AND JEFFERSON STREET



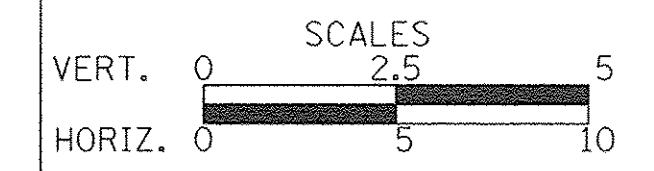
EAST INTERSECTION OF
CHURCH ROAD AND 2ND COURT

- LEGEND**
- (XXX.XX) EXISTING ELEVATION
 - XXX.XX PROPOSED ELEVATION
 - DETECTABLE WARNING
 - - - - - SIDEWALK JOINT

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



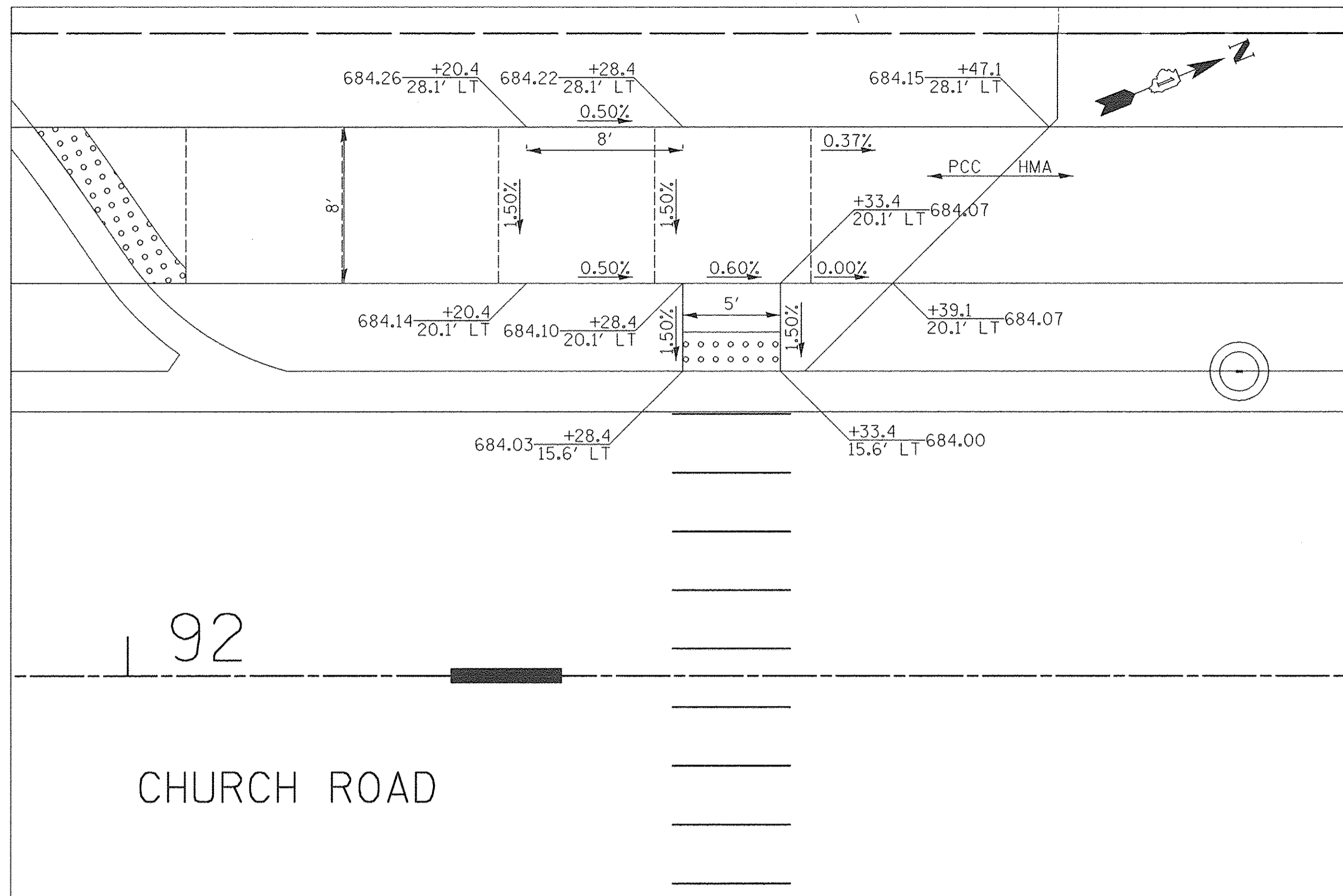
ADA RAMP DETAILS

SHEET NO. 1 OF 6 SHEETS

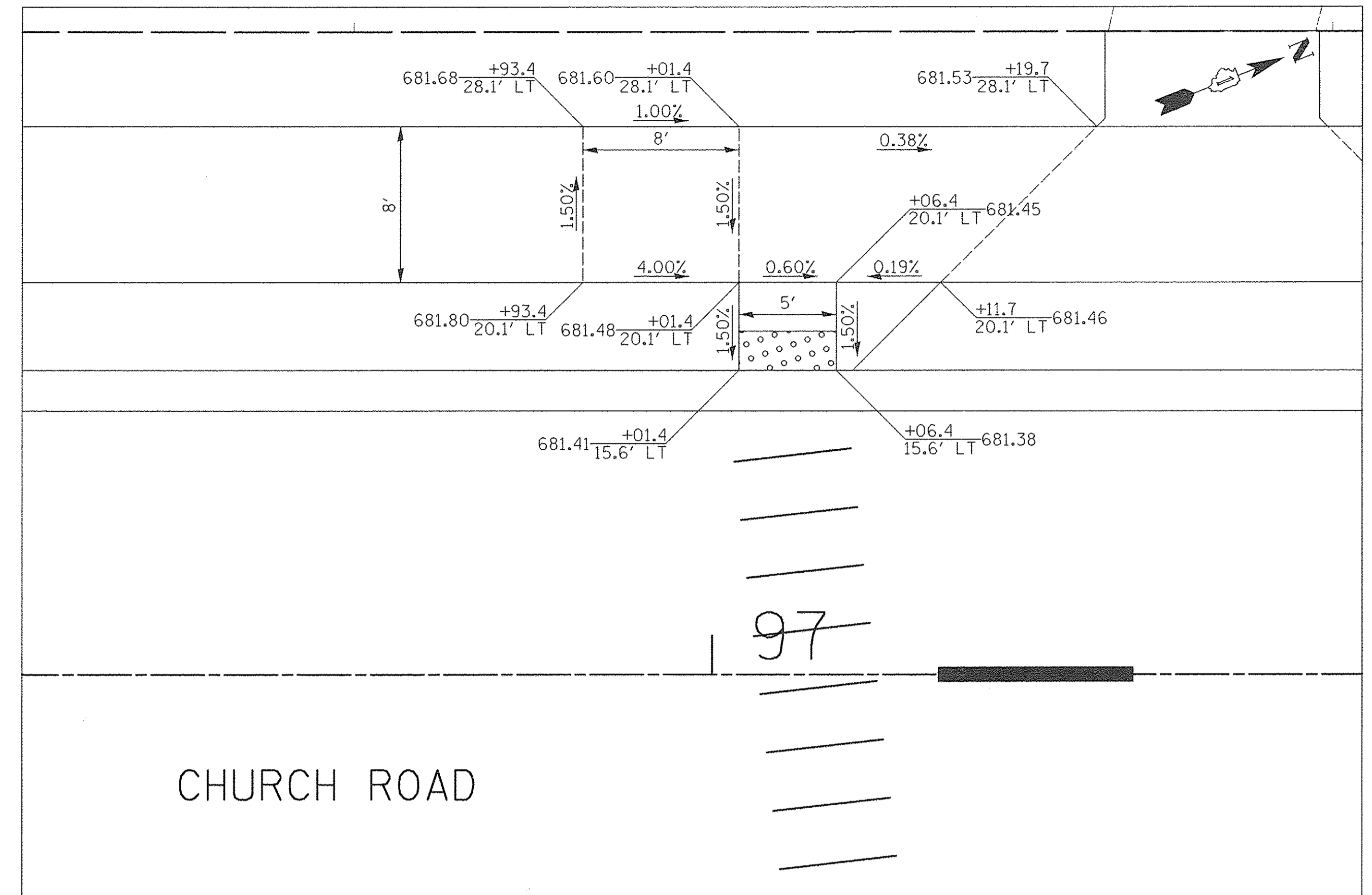
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	116
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D60	

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

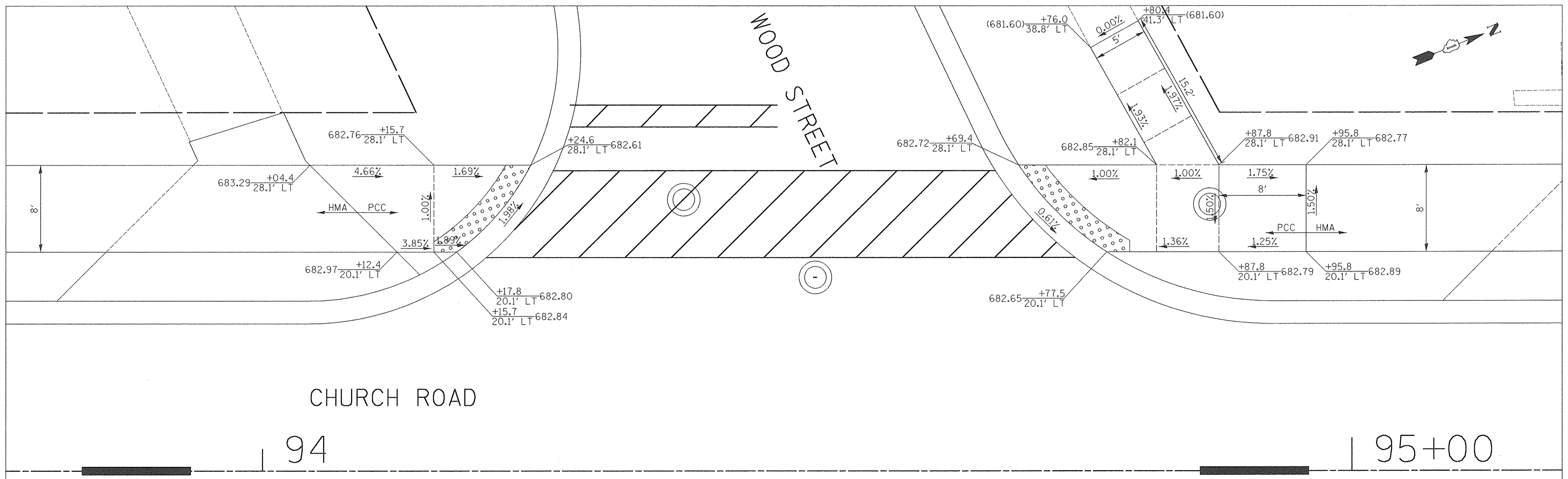
DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	



ACROSS FROM
CHURCH ROAD AND WOOD STREET EAST



ACROSS FROM
CHURCH ROAD AND MCLEAN AVENUE



WEST INTERSECTION OF
CHURCH ROAD AND WOOD STREET



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CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



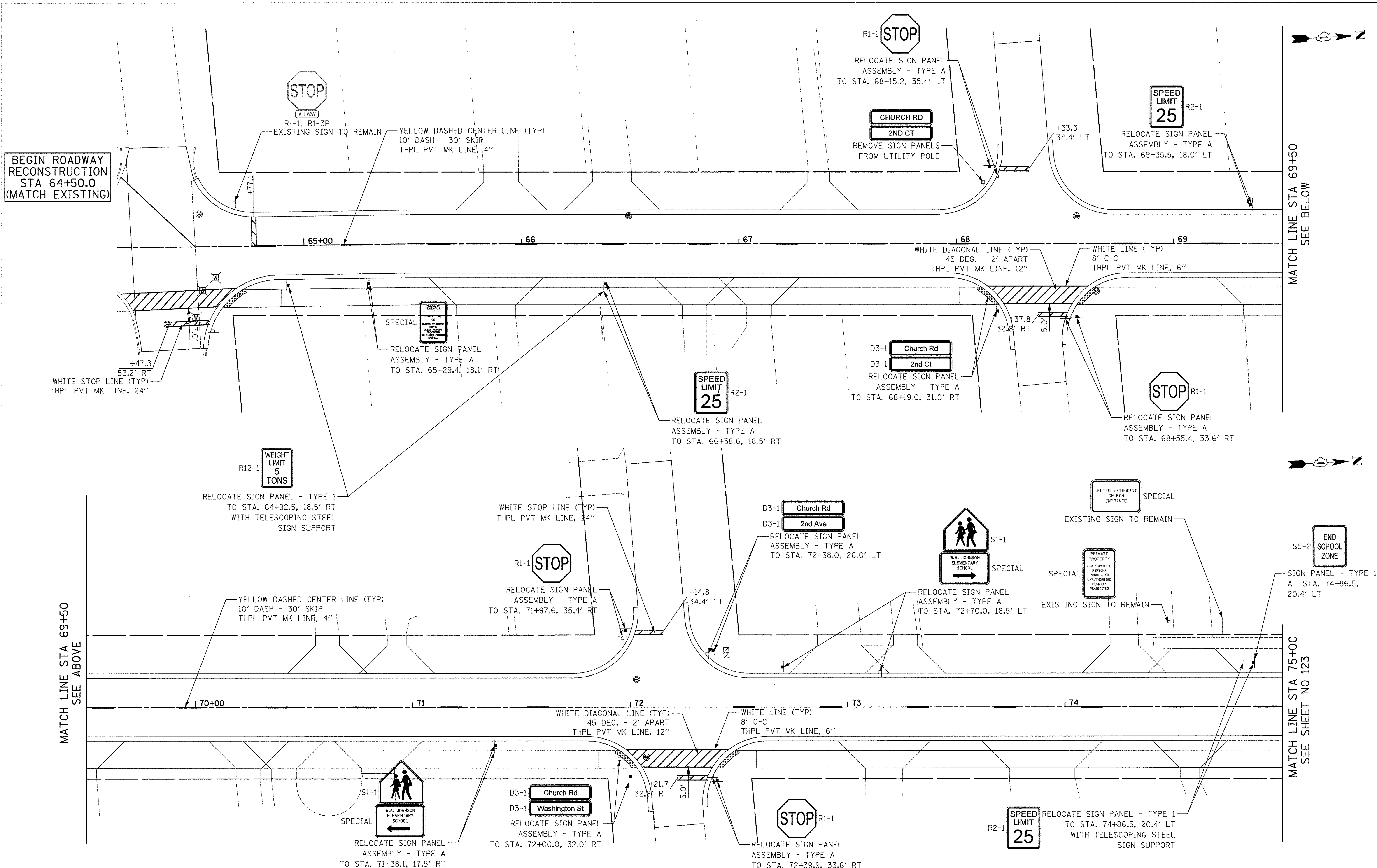
ADA RAMP DETAILS

SHEET NO. 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	119
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. DATE	
	NO. DATE	
	NO. DATE	

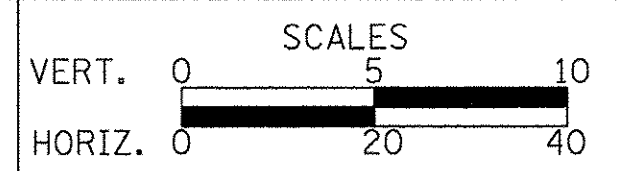
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. DATE	
	NO. DATE	
	NO. DATE	



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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
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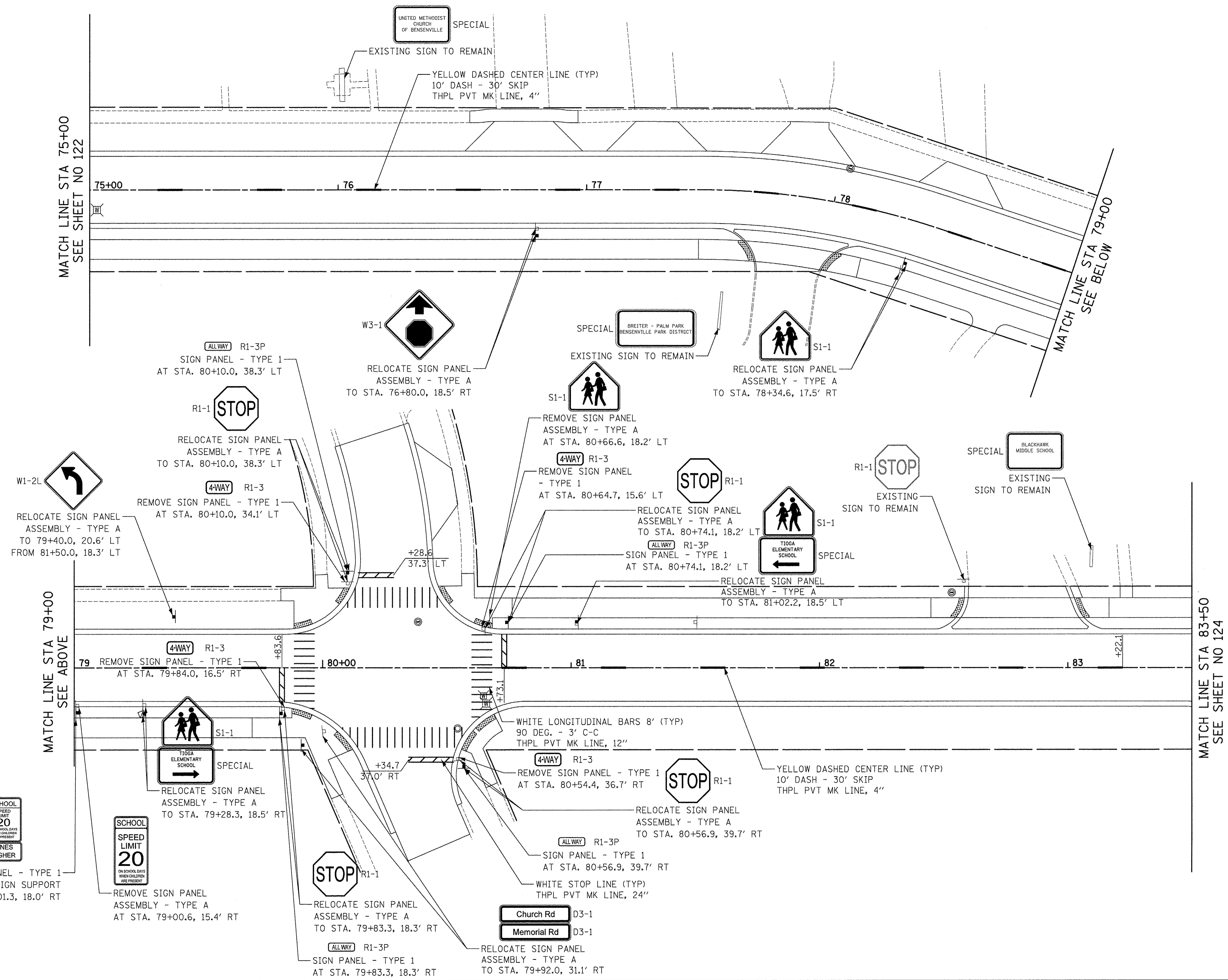
**PAVEMENT MARKING
 AND SIGNING**

SHEET NO. 1 OF 4 SHEETS STA. 64+50 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	122
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	CONTRACT NO. 61D60	

DATE	
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PLANNED	
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DATE	
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PLANNED	
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DATE	
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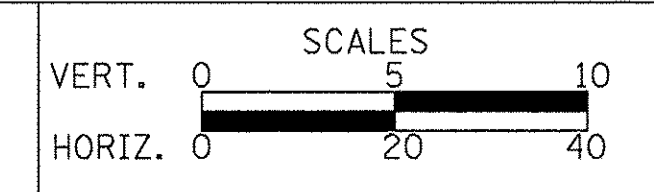
DATE	
BY	
PLANNED	
DESIGNED	
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DATE	
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PLANNED	
DESIGNED	
CHECKED	
DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
DATE	
BY	



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CHECKED -	RTM	REVISED -	
DATE	12/2/2016	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



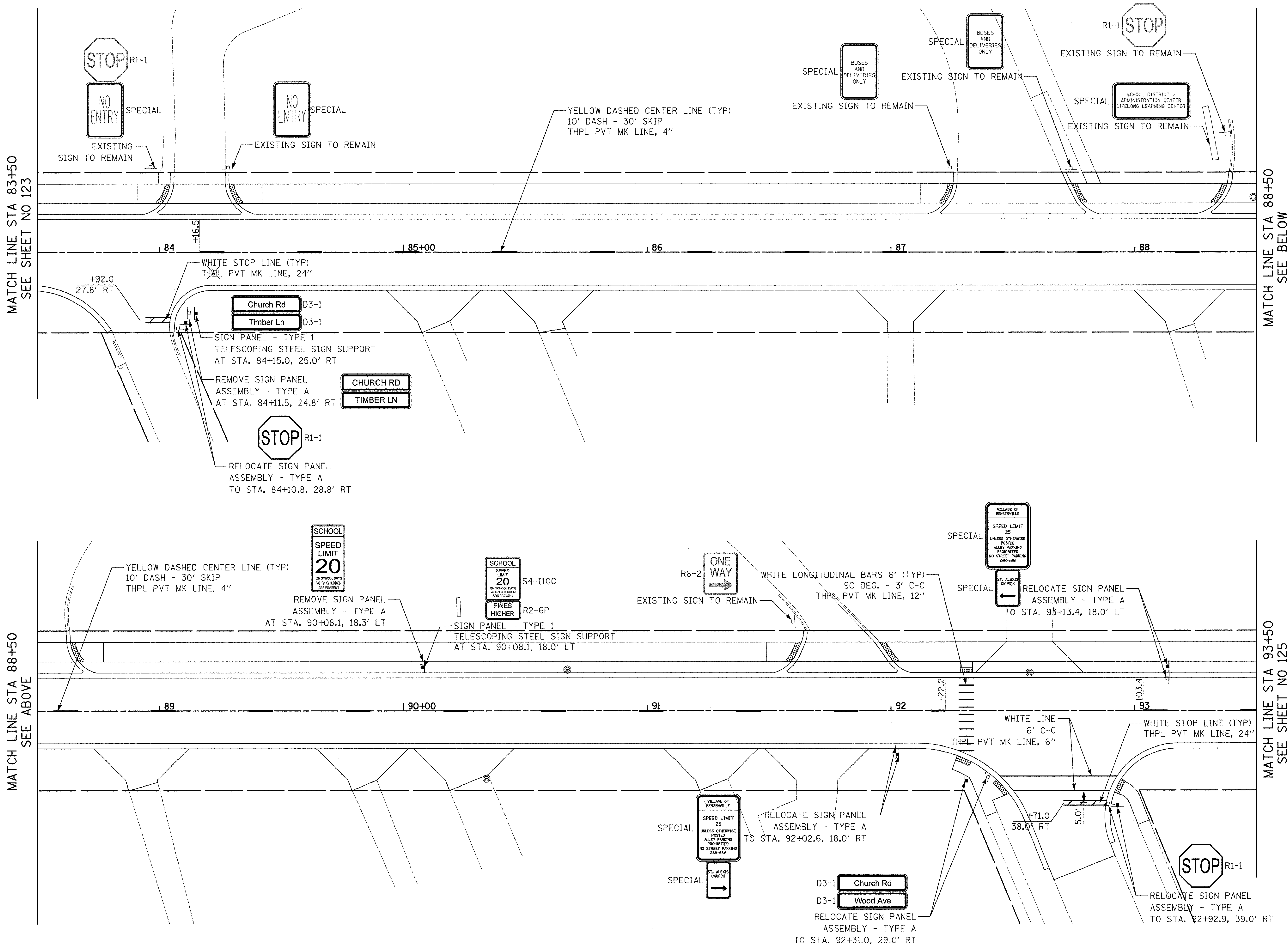
**PAVEMENT MARKING
 AND SIGNING**

SHEET NO. 2 OF 4 SHEETS STA. 75+00 TO STA. 83+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	123
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. OF WAY CHECKED	
	CARD FILE NAME	
	NO.	

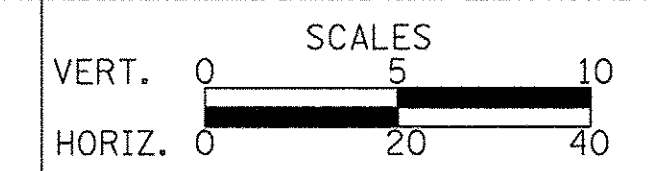
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



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DRAWN -	TFS	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

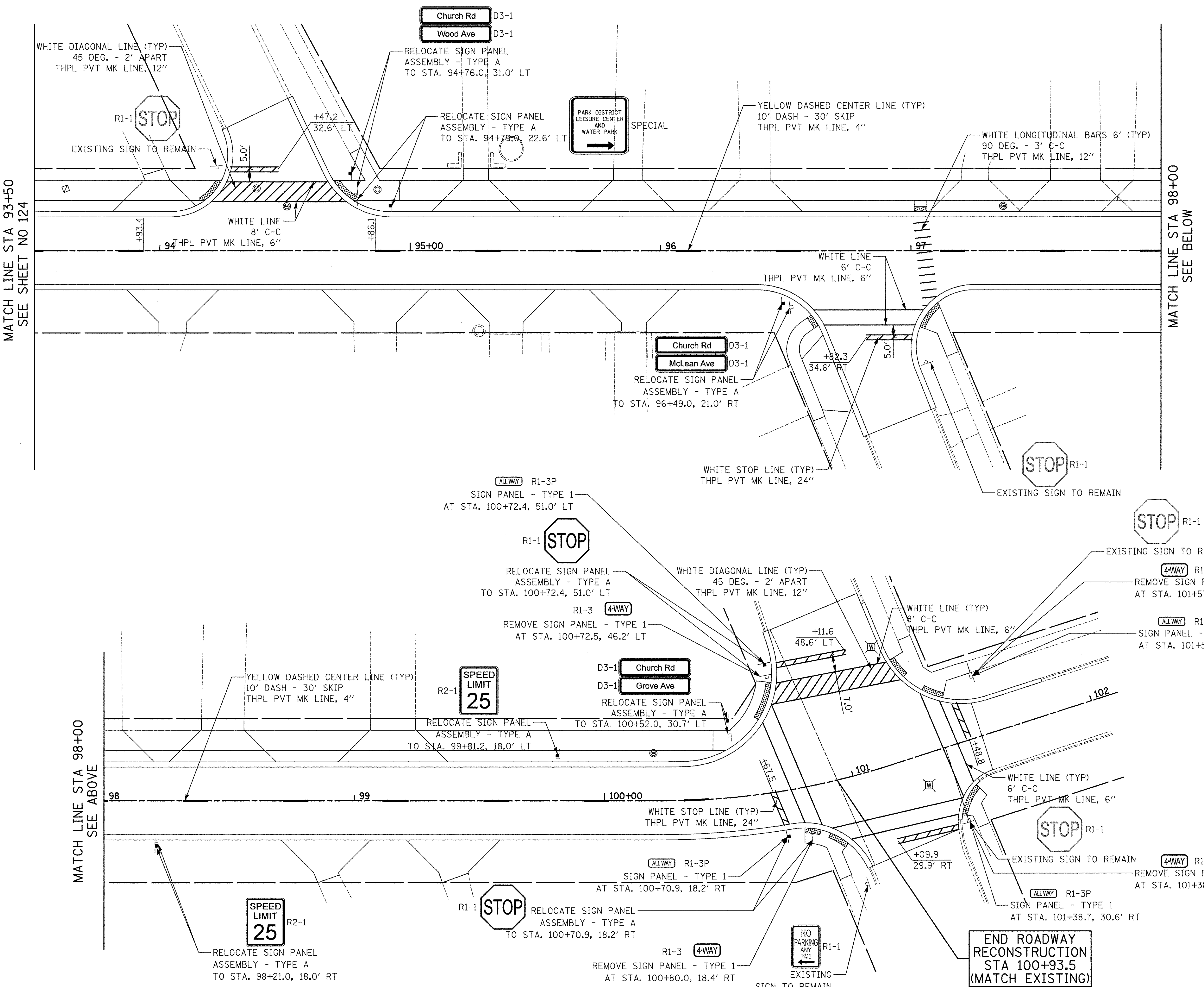
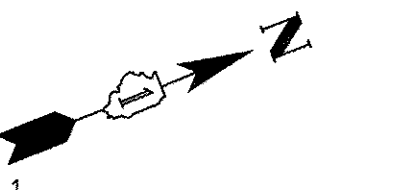
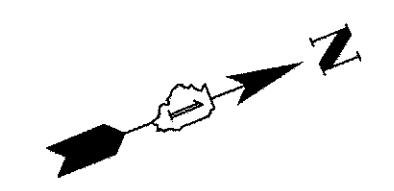
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING
 AND SIGNING**

SHEET NO. 3 OF 4 SHEETS STA. 83+50 TO STA. 93+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	124
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	



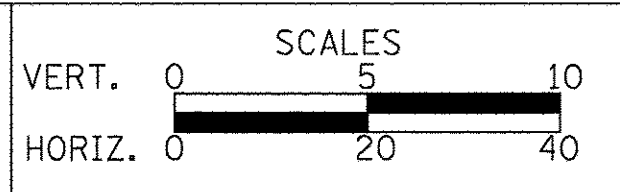
PLAN	SURVEYED	DATE
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	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING
 AND SIGNING**

SHEET NO. 4 OF 4 SHEETS STA. 93+50 TO STA. 102+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	125
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROSION CONTROL PLAN

SEDIMENTATION AND EROSION CONTROL NOTES:

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- P. ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR EROSION CONTROL MEASURES TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.
- Q. PERIMETER EROSION BARRIER SHALL BE INSTALLED ONE (1) FOOT FROM RIGHT-OF-WAY OR EASEMENT UNLESS OTHERWISE NOTED ON THE PLANS. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
- R. SEE LANDSCAPING RESTORATION/EROSION CONTROL SHEETS FOR RIPRAP CLASSES AND QUANTITIES.
- S. QUANTITIES OF EROSION CONTROL MAT, ~~FLOATING SILT CURTAIN~~, FLOCCULATION LOGS, AND FLOCCULATION POWDER HAVE BEEN PROVIDED AND ARE TO BE MADE AVAILABLE FOR USE AT THE DIRECTION OF THE RESIDENT ENGINEER.
- T. PERMANENT DITCH CHECKS AND TEMPORARY SEDIMENT TRAPS SHALL BE PAID FOR AS EARTH EXCAVATION, STONE RIPRAP CLASS A2, STONE RIPRAP CLASS A4, AND FILTER FABRIC.

NPDES STATEMENT:

THIS PROJECT DISTURBS 6.20 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

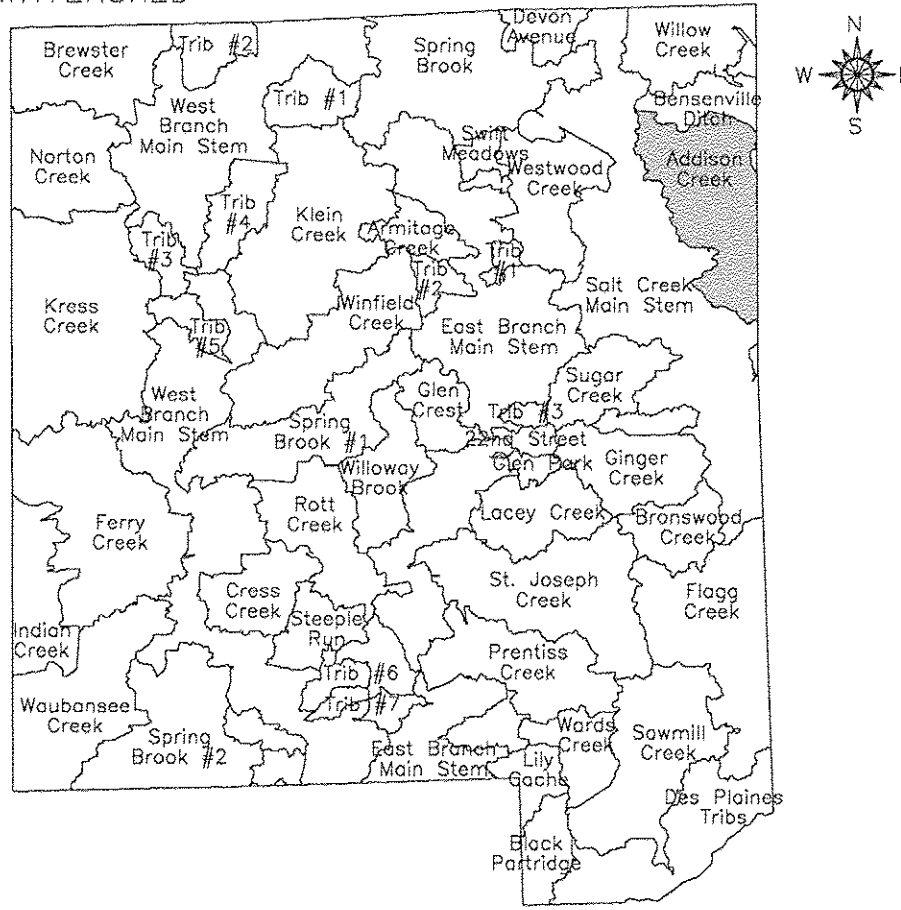
TYPICAL CONSTRUCTION SEQUENCE (PER STAGE)

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B. SILT FENCE INSTALLATION
 - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D. STABILIZED CONSTRUCTION
2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
7. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
8. PERMANENTLY STABILIZE DETENTION BASIN WITH SEED AND EROSION CONTROL BLANKET
9. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
10. INSTALL ROADWAYS
11. PERMANENTLY STABILIZE ALL OUTLOT AREAS
12. INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
13. PERMANENTLY STABILIZE LOTS
14. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

*SOIL EROSION AND SEDIMENT CONTROL INSPECTIONS MUST OCCUR AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OR THE END OF THE FOLLOWING BUSINESS DAY OF A 1/2" OR GREATER RAINFALL EVENT.

I. DES PLAINES RIVER WATERSHED

1. Willow Creek
2. Bensenville Ditch
3. Flagg Creek
4. Des Plaines Tribs
5. Black Partridge
5. Addison Creek



ESTIMATED QUANTITIES:

280 FEET -	TEMPORARY CONSTRUCTION FENCE
2,742 FEET -	PERIMETER EROSION BARRIER
114 EACH -	INLET FILTERS
8,899 SQ YD -	SODDING, SALT TOLERANT
8,899 SQ YD -	EROSION CONTROL BLANKET
184 POUND -	TEMPORARY EROSION CONTROL SEEDING
6 EACH -	FLOCCULATION LOGS
18 POUND -	FLOCCULATION POWDER
98 FEET -	TEMPORARY DITCH CHECKS

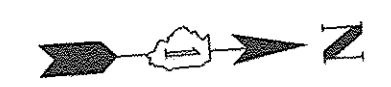
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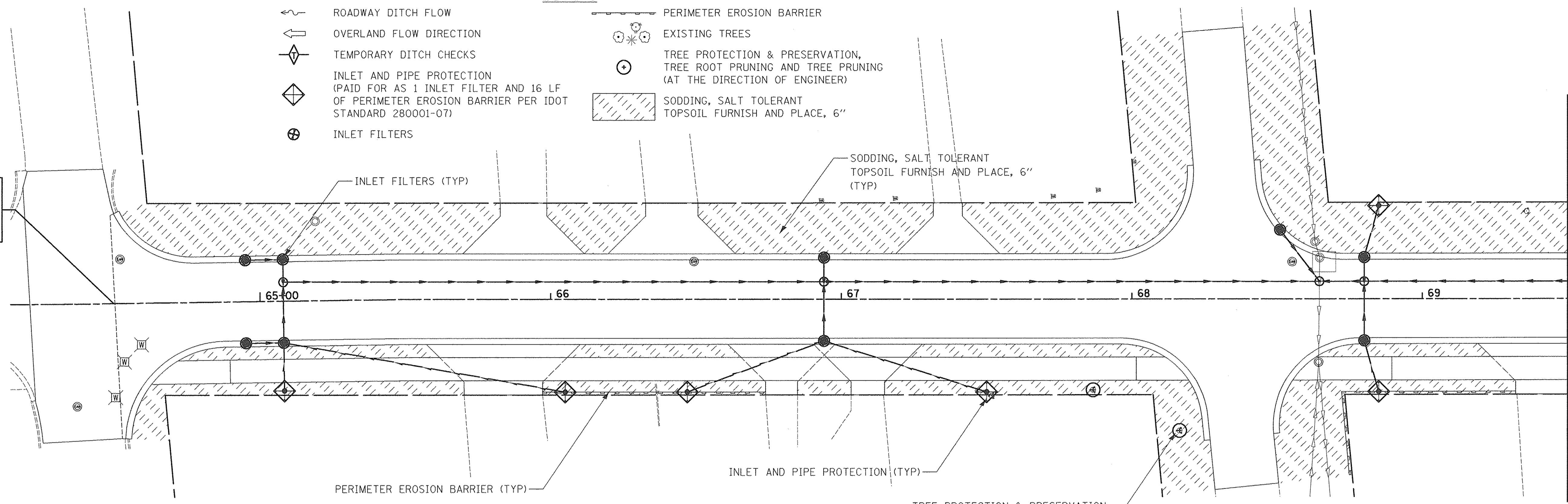
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BEGIN ROADWAY IMPROVEMENTS STA 64+50.0 (MATCH EXISTING)



LEGEND

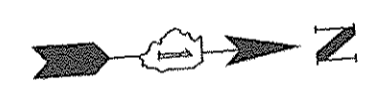
- ROADWAY DITCH FLOW
- OVERLAND FLOW DIRECTION
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- INLET FILTERS
- PERIMETER EROSION BARRIER
- EXISTING TREES
- TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"



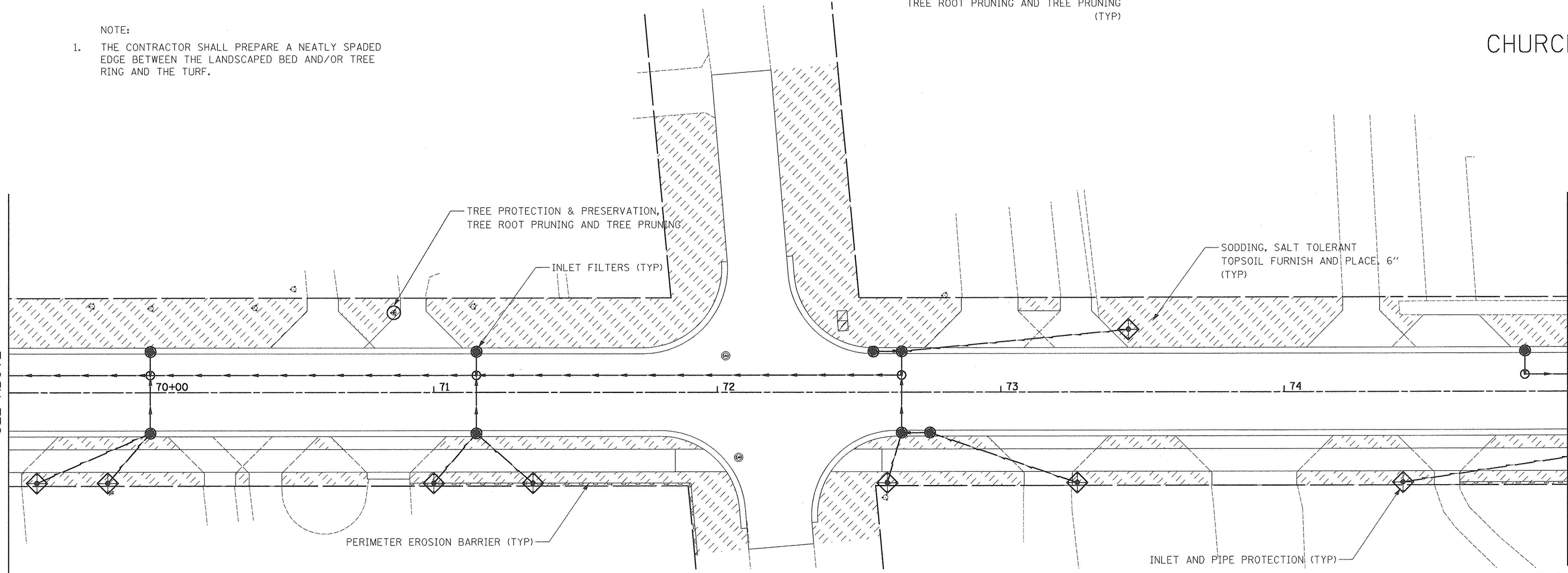
MATCH LINE STA 69+50
SEE BELOW

NOTE:
1. THE CONTRACTOR SHALL PREPARE A NEATLY SPADED EDGE BETWEEN THE LANDSCAPED BED AND/OR TREE RING AND THE TURF.

CHURCH ROAD



MATCH LINE STA 69+50
SEE ABOVE



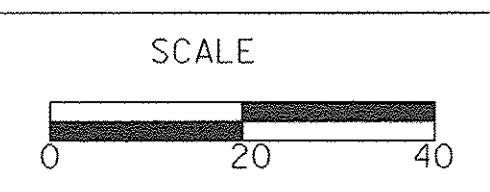
MATCH LINE STA 75+00
SEE SHEET NO 128

CHURCH ROAD

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

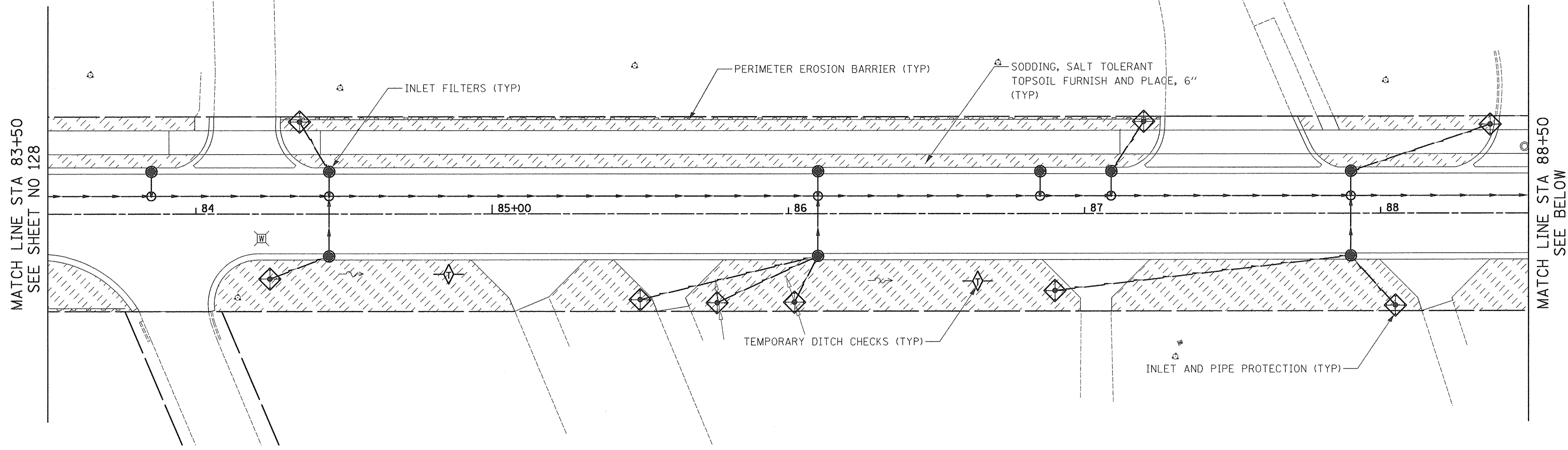
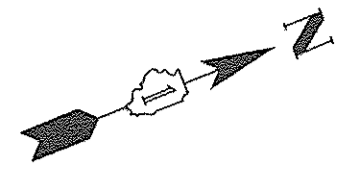
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**EROSION CONTROL
AND LANDSCAPING**

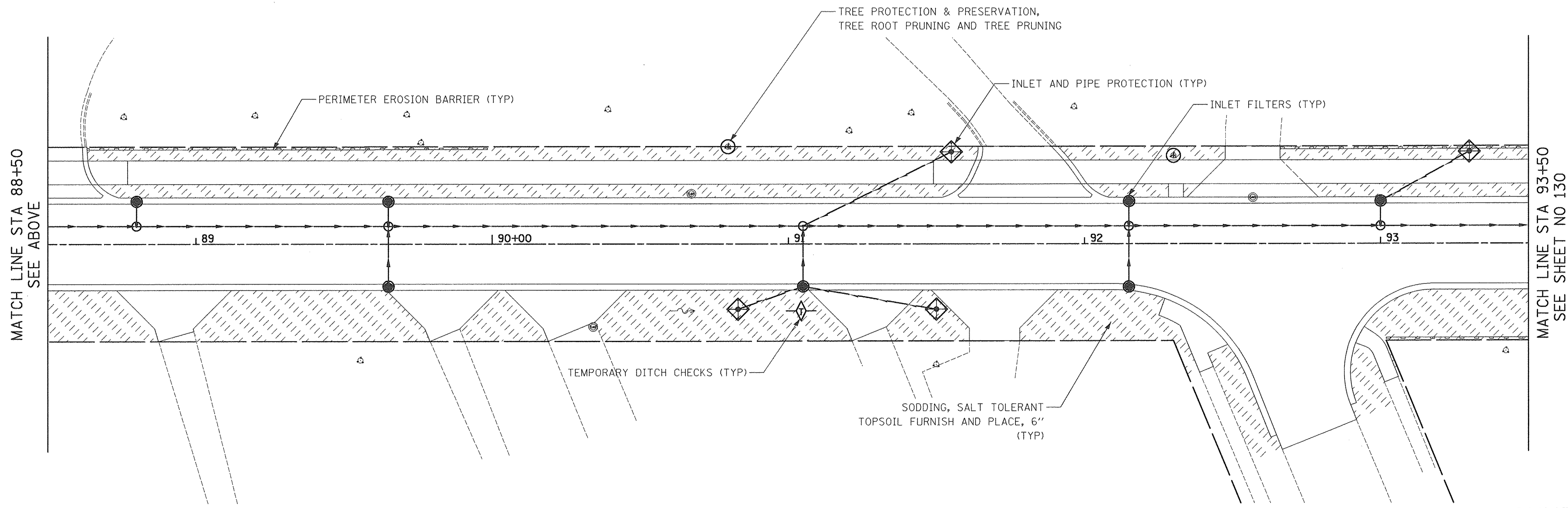
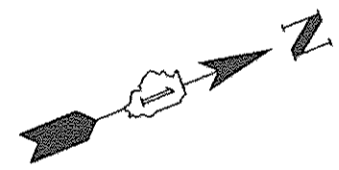
SHEET NO. 2 OF 5 SHEETS STA. 64+50 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	127
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTE:
1. THE CONTRACTOR SHALL PREPARE A NEATLY SPADED EDGE BETWEEN THE LANDSCAPED BED AND/OR TREE RING AND THE TURF.

CHURCH ROAD



CHURCH ROAD

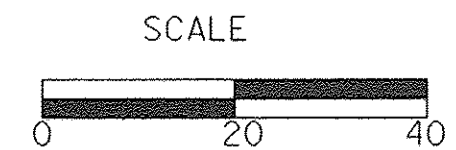
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	STRUCTURE NOTATIONS CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

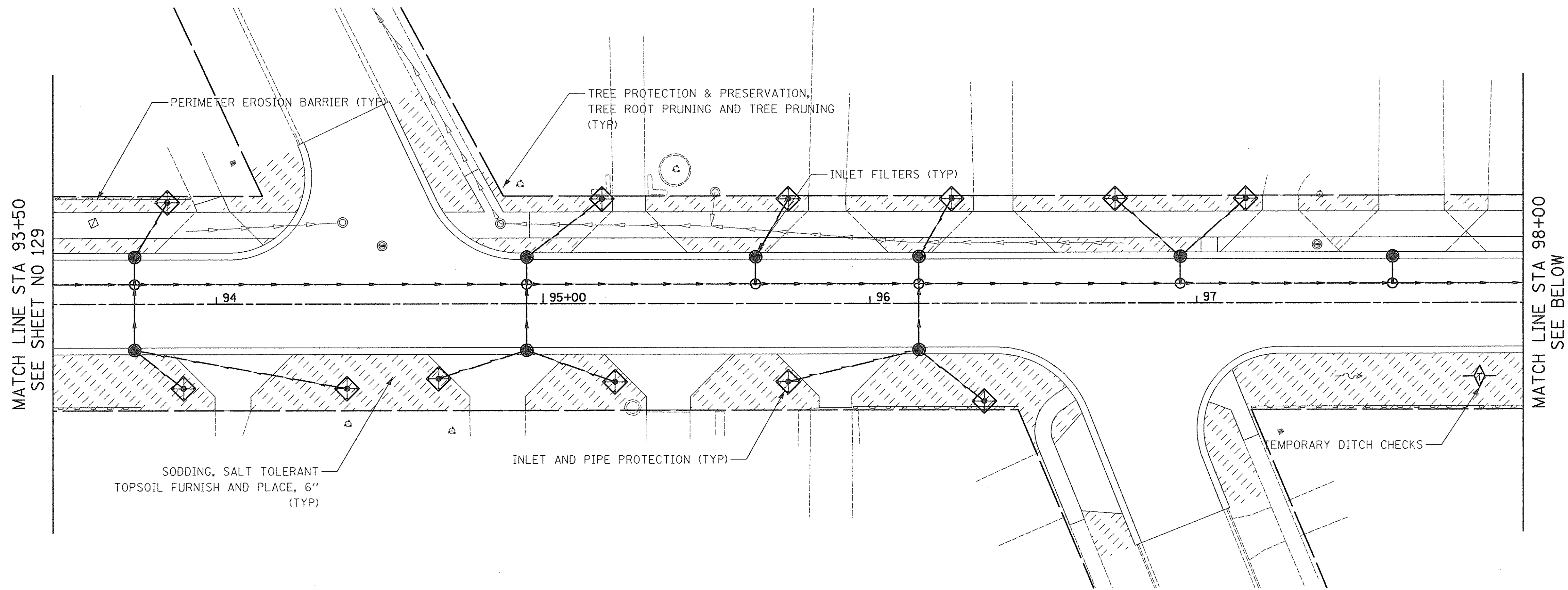
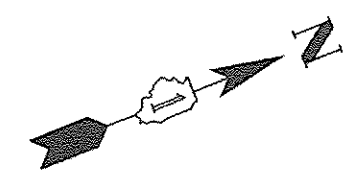
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**EROSION CONTROL
 AND LANDSCAPING**

SHEET NO. 4 OF 5 SHEETS STA. 83+50 TO STA. 93+50

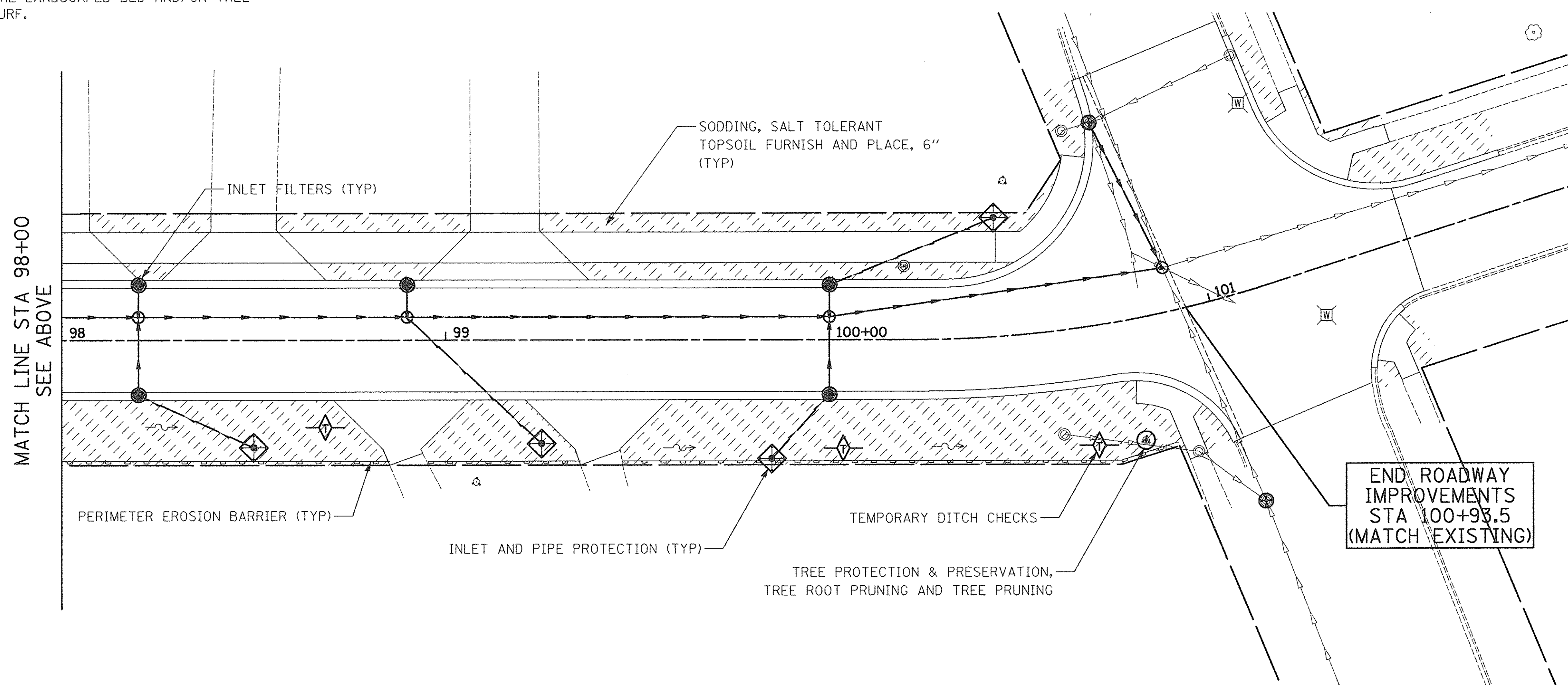
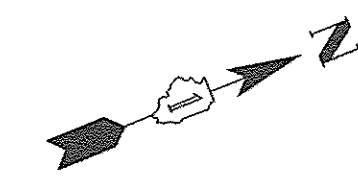
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2667	16-00094-00-FP	DUPAGE	163	129
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE:

1. THE CONTRACTOR SHALL PREPARE A NEATLY SPADED EDGE BETWEEN THE LANDSCAPED BED AND/OR TREE RING AND THE TURF.

CHURCH ROAD



CHURCH ROAD

PLAN	SUBMITTED	DATE
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	ALIGNMENT CHECKED	
	NOTE BOOK	
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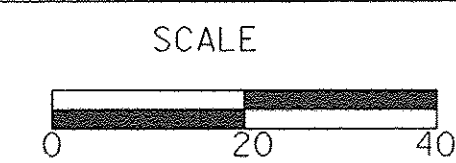
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	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHKD	



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www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TFS	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/2/2016	REVISED -	

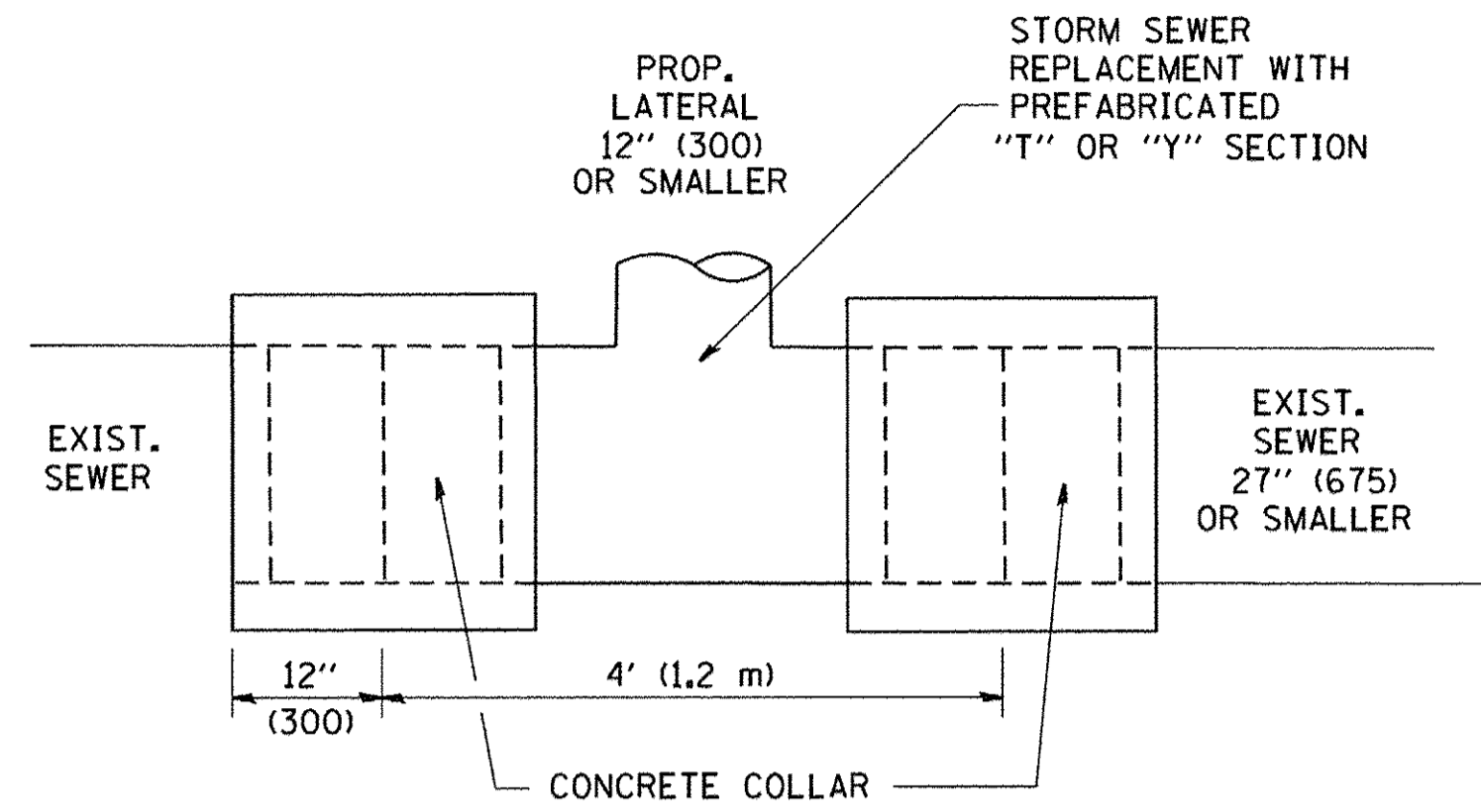
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**EROSION CONTROL
AND LANDSCAPING**

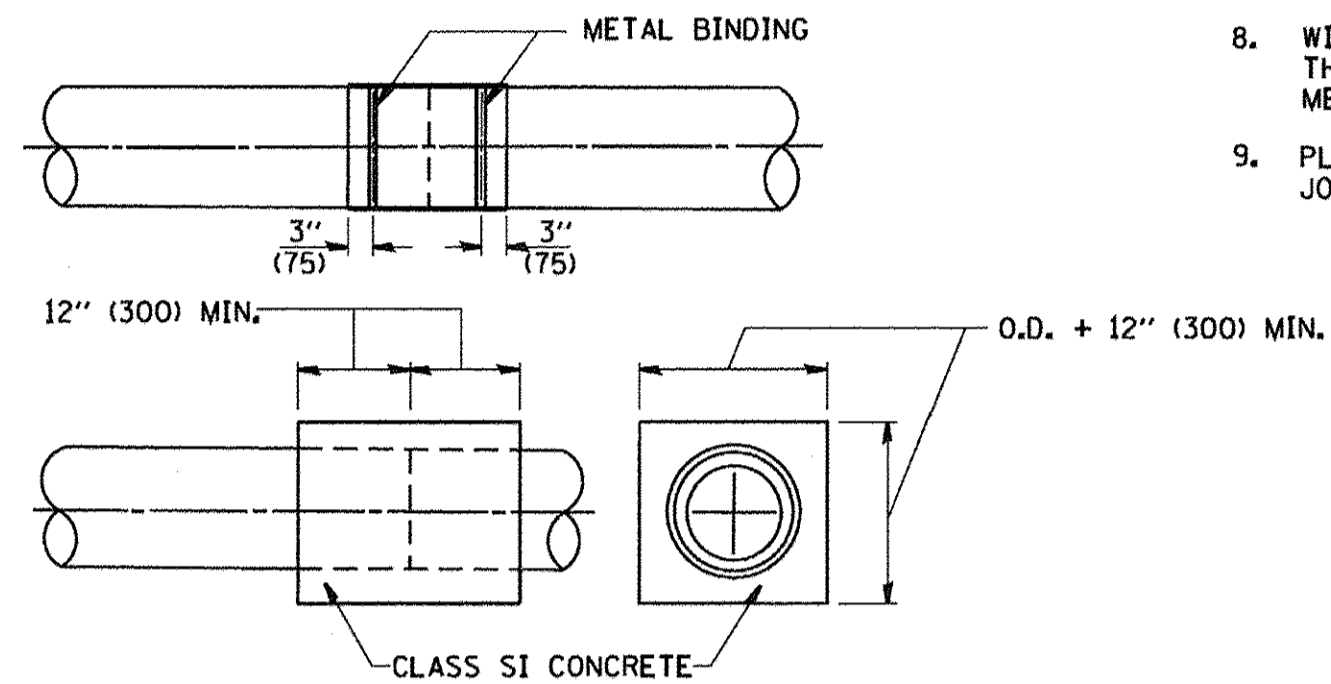
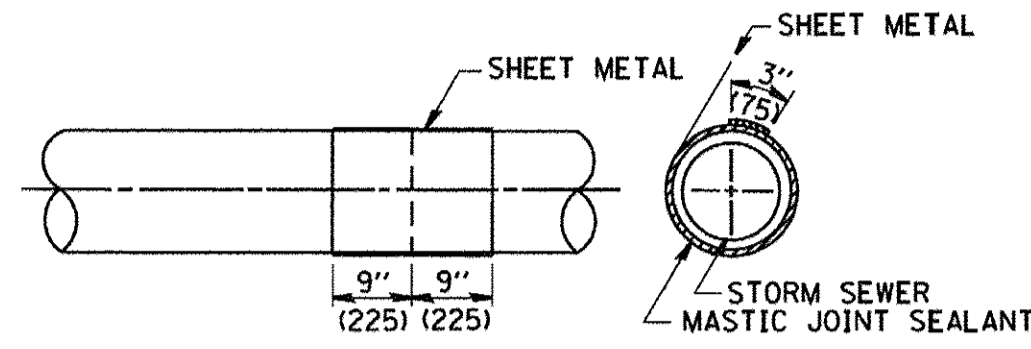
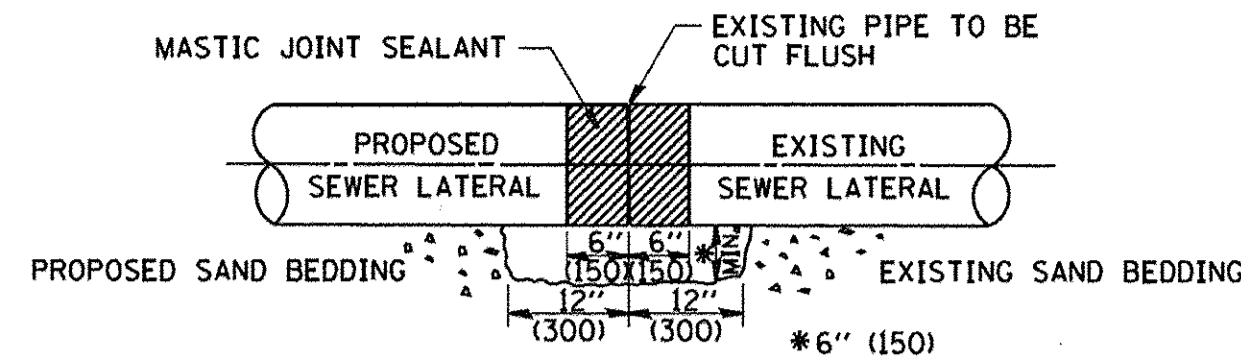
SHEET NO. 5 OF 5 SHEETS STA. 93+50 TO STA. 100+93.5

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	130
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

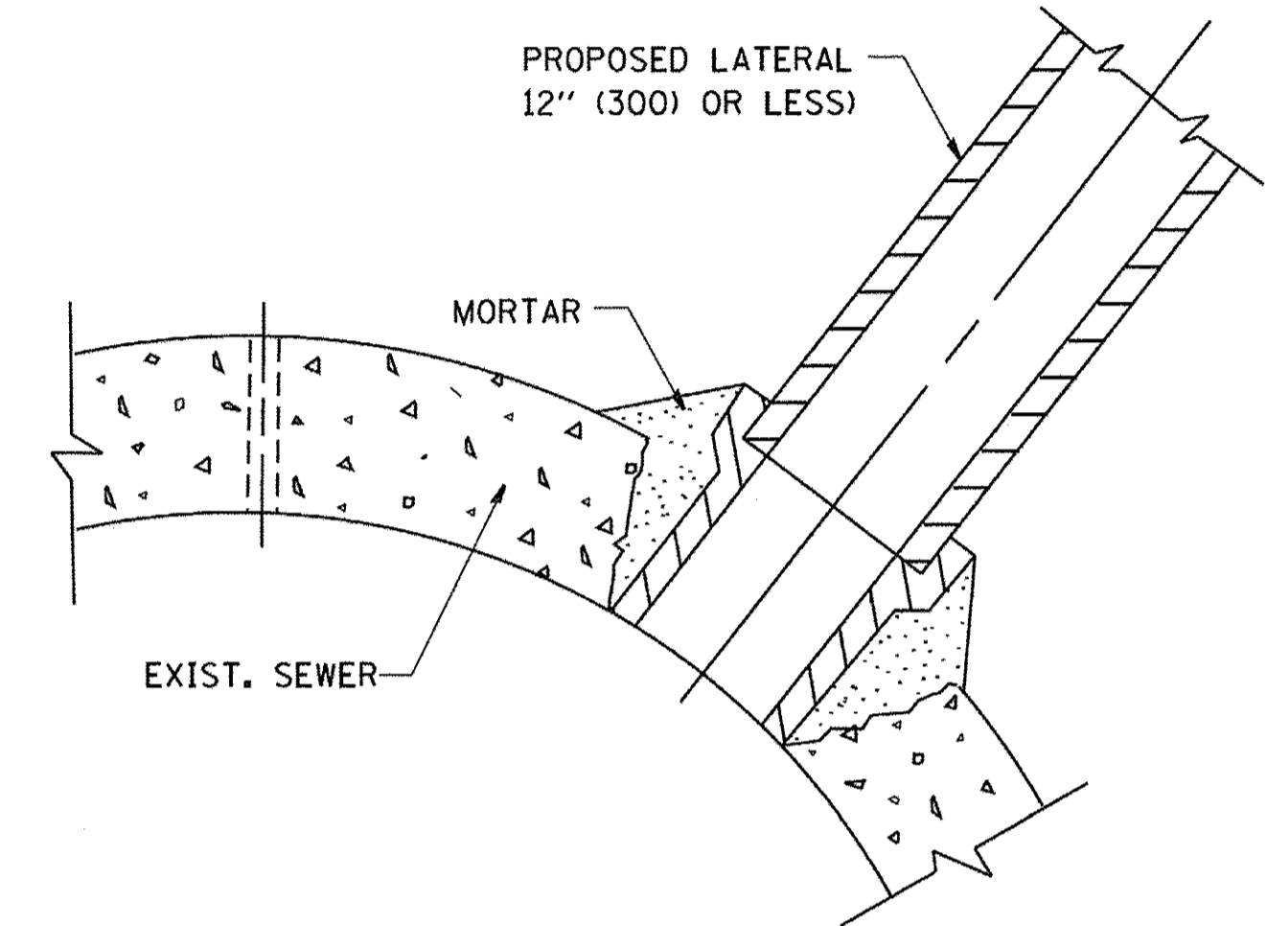


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

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

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

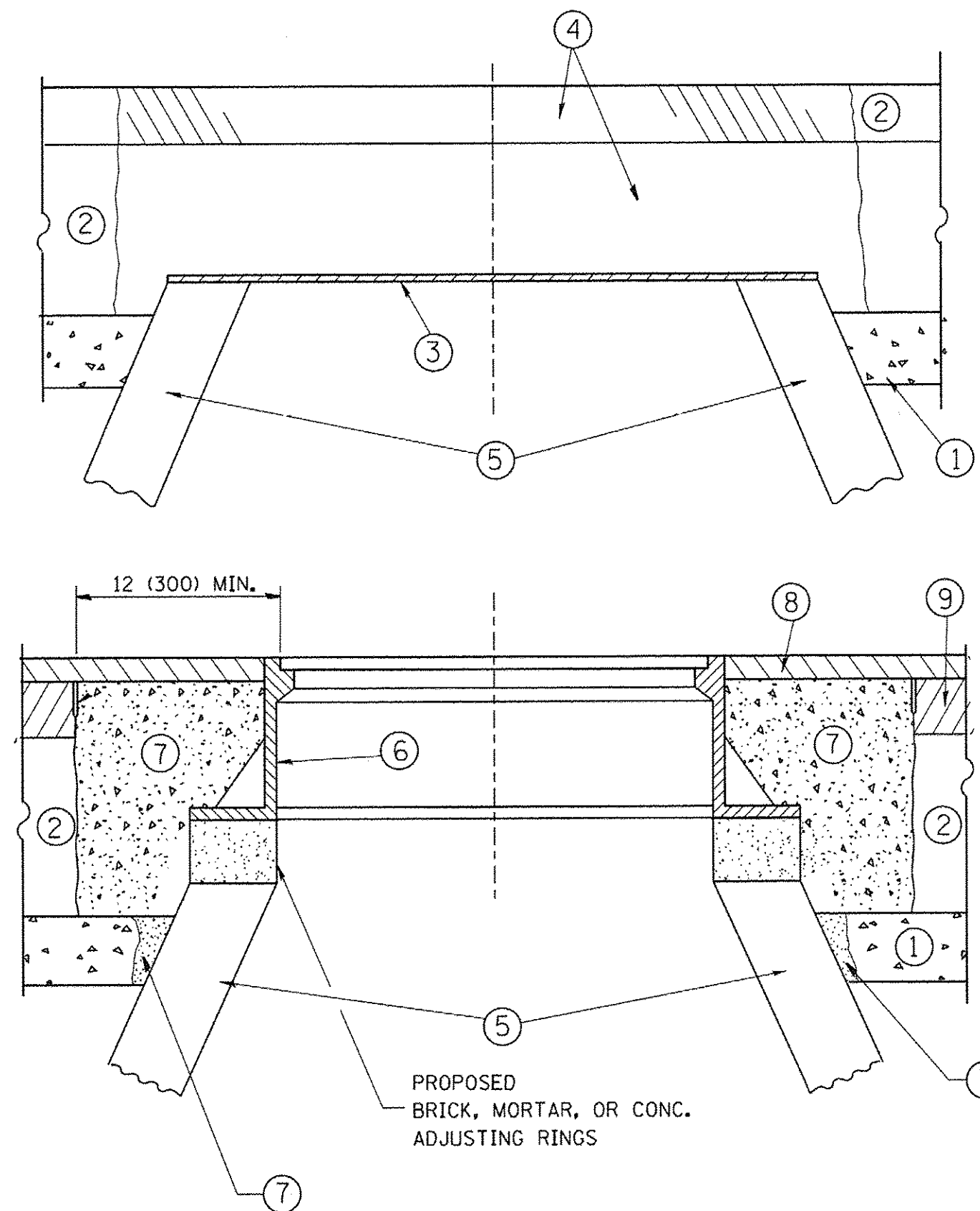
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dststd\22x34\bd07.dgn	USER NAME = gegljanobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94			2667	16-00094-00-FP	DUPAGE	163	131	
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96			BD500-01 (BD-7)		CONTRACT NO. 61D60			
						SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

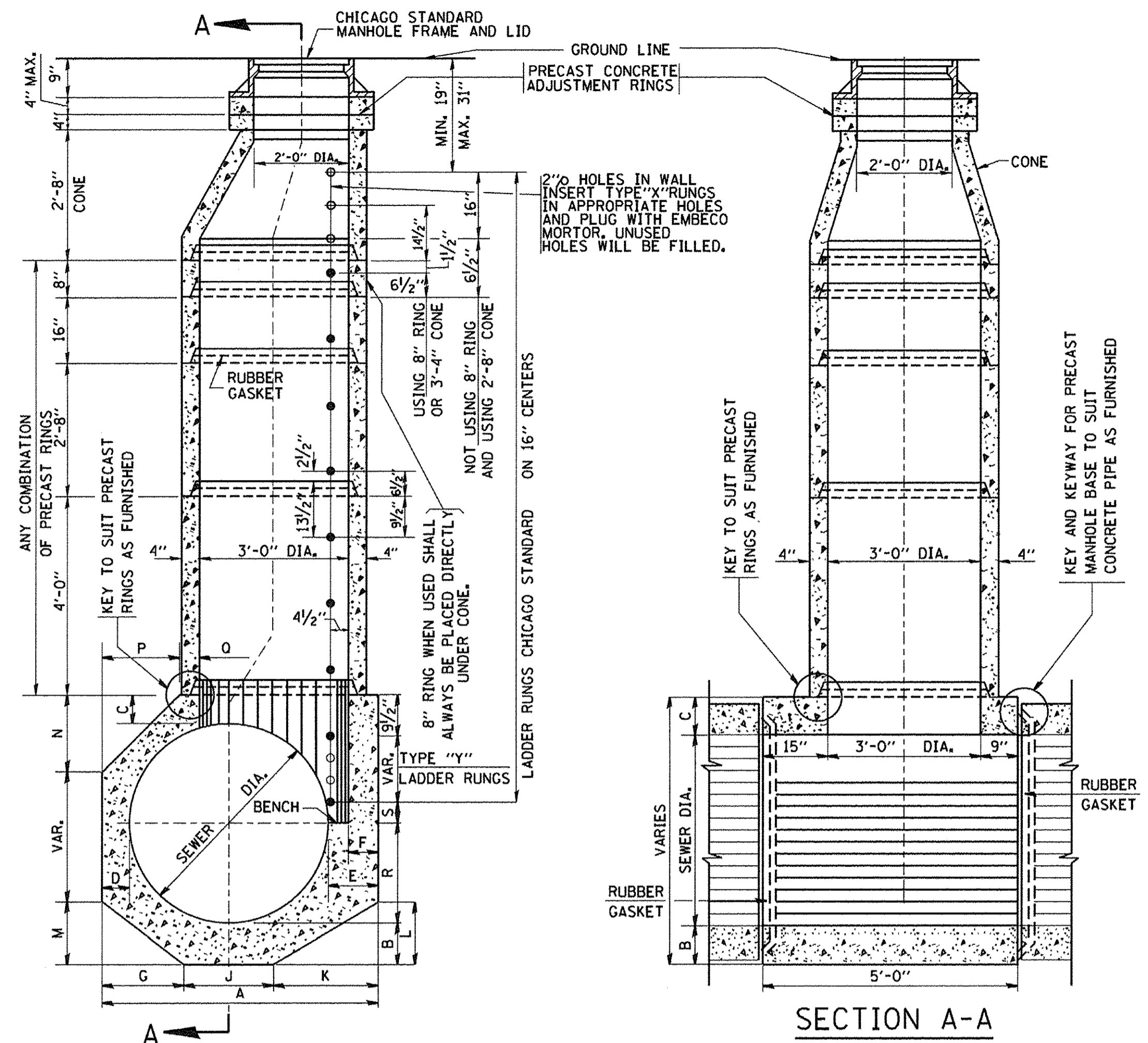
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PLOT SCALE = 1/8" = 1' / m		CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 12/6/2011		DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

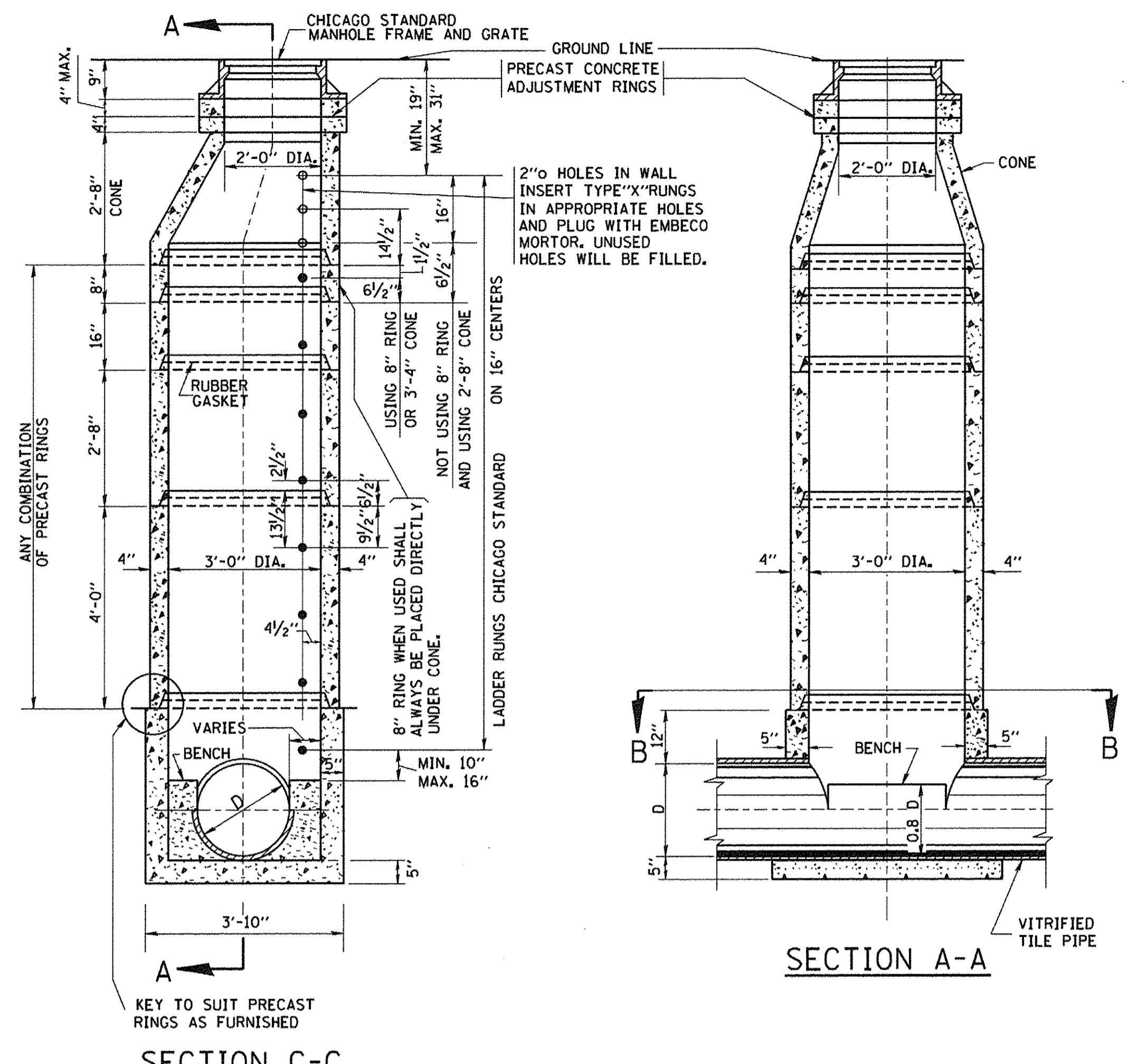
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-03 (BD-8)			CONTRACT NO. 61D60	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



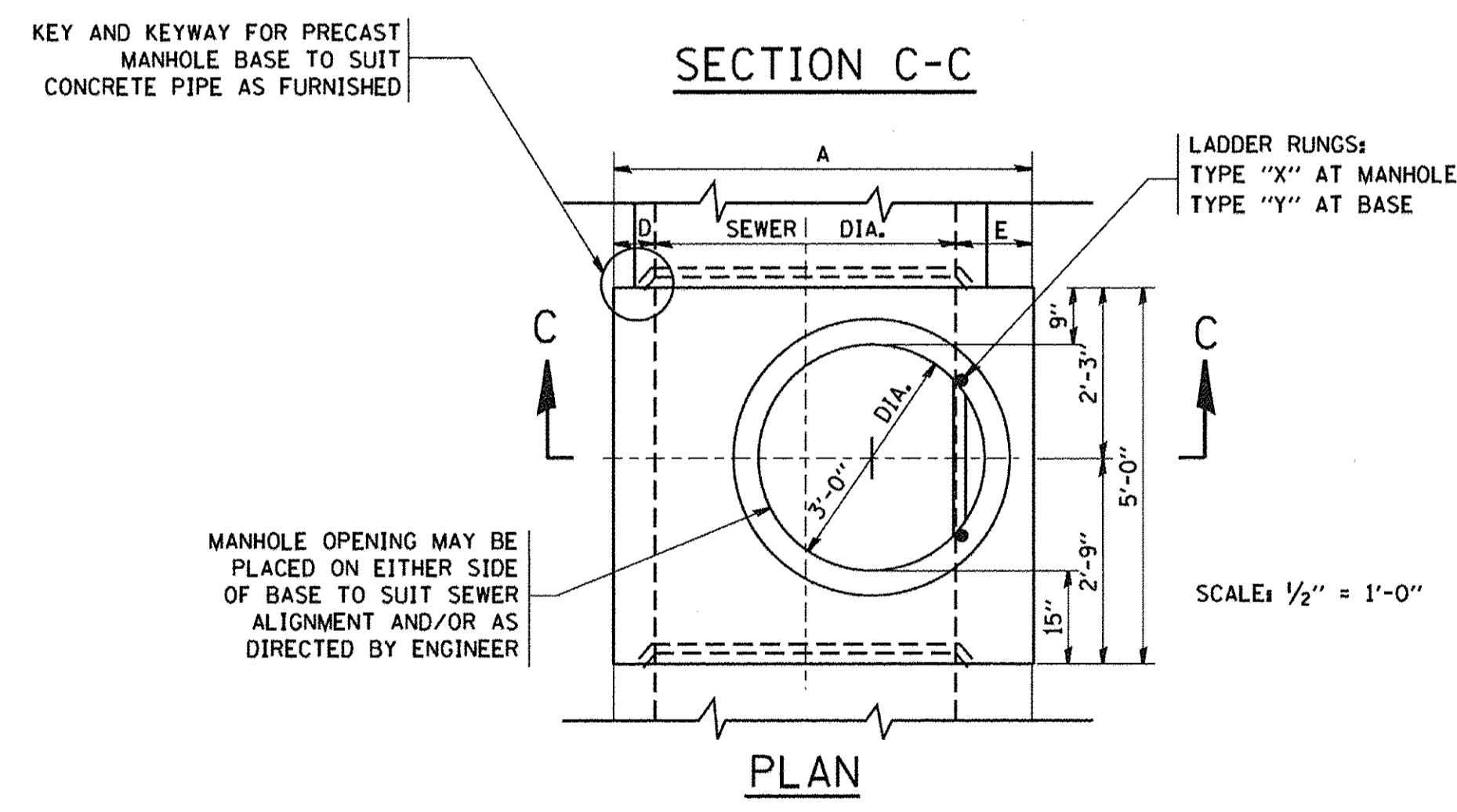
SECTION A-A

SECTION C-C



SECTION A-A

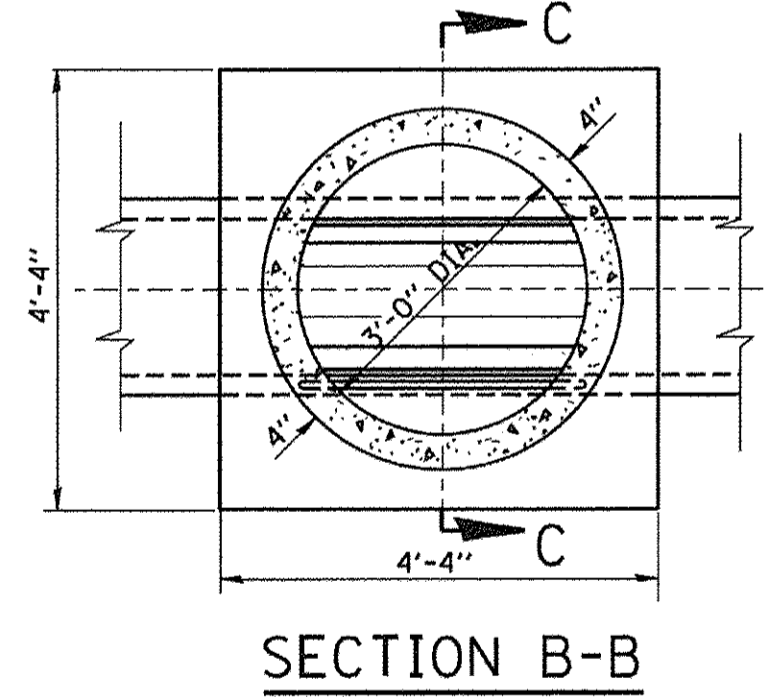
SECTION C-C



PLAN

TYPE "A" MANHOLE
FOR SEWERS
24" TO 120" DIAMETER
PRECAST BASES AND RINGS

TYPE "A" MANHOLE
FOR SEWERS
21" DIAMETER AND SMALLER
PRECAST BASES AND RINGS



SECTION B-B

SCALE: 1/2" = 1'-0"

SEWER DIA.	PART OF ITEM	DIMENSIONS OF PRECAST MANHOLE BASE																NO. "Y" RINGS
		A	B	C	D	E	F	G	J	K	L	M	N	P	Q	R		
120"	---	12"-4 1/2"	12"	12"	12"	16 1/2"	12"	4'-0"	4'-0"	4'-4 1/2"	2'-7 1/2"	2'-5"	3'-7"	3'-7"	4'-8 1/2"	2'-0"	2 1/2"	7
108"	---	11"-4 1/2"	12"	12"	12"	16 1/2"	12"	3'-8"	3'-8"	4'-0 1/2"	2'-5"	2'-2"	3'-4"	3'-4"	4'-0 1/2"	2'-0"	6 1/2"	6
102"	---	10"-10 1/2"	12"	12"	12"	16 1/2"	12"	3'-6"	3'-6"	3'-10 1/2"	2'-4"	2'-1"	3'-2"	3'-2"	3'-8 1/2"	2'-0"	16 1/2"	5
96"	10-A	10"-2 1/2"	11"	11"	11"	15 1/2"	11"	3'-3"	3'-3"	3'-8 1/2"	2'-3"	23"	2'-11"	2'-11"	3'-4 1/2"	2'-0"	9 1/2"	5
90"	10-B	9'-8 1/2"	11"	11"	11"	15 1/2"	11"	3'-1"	3'-1"	3'-6 1/2"	2'-1 1/2"	22"	2'-10"	2'-10"	2'-11 1/2"	2'-0"	3 1/2"	5
84"	10-C	9'-0 1/2"	10"	10"	10"	14 1/2"	10"	2'-11"	2'-11"	3'-2 1/2"	23"	21"	2'-7"	2'-7"	2'-7 1/2"	2'-0"	12 1/2"	4
78"	10-D	8'-6 1/2"	10"	10"	10"	14 1/2"	10"	2'-9"	2'-9"	3'-0 1/2"	22"	20"	2'-6"	2'-6"	2'-2 1/2"	2'-0"	6 1/2"	4
72"	10	7'-10 1/2"	9"	9"	9"	13 1/2"	9"	2'-6"	2'-6"	2'-10 1/2"	21"	18"	2'-3"	2'-3"	22 1/2"	2'-0"	15 1/2"	3
66"	11	7'-4 1/2"	9"	9"	9"	13 1/2"	9"	2'-4"	2'-4"	2'-8 1/2"	19 1/2"	17"	2'-1"	2'-1"	18 1/2"	2'-0"	9 1/2"	3
60"	12	6'-8 1/2"	8"	8"	8"	12 1/2"	8"	2'-1 1/2"	2'-1"	2'-6"	18"	15"	23"	23"	13 1/2"	2'-0"	2 1/2"	3
54"	13	6'-2 1/2"	8"	8"	8"	12 1/2"	8"	23 1/2"	23"	2'-4"	17"	14"	21"	21"	9 1/2"	2'-0"	12 1/2"	2
48"	14	5'-6 1/2"	7"	7"	7"	11 1/2"	7"	20 1/2"	21"	2'-1"	15"	12 1/2"	18 1/2"	18 1/2"	5"	2'-0"	5 1/2"	2
42"	15	5'-0 1/2"	7"	7"	7"	11 1/2"	7"	18 1/2"	19"	23"	14"	11"	---	---	17 1/2"	21"	2 1/2"	2
36"	16	4'-4 1/2"	6"	6"	6"	10 1/2"	6"	16"	16"	20 1/2"	12 1/2"	9 1/2"	---	---	10 1/2"	18"	14 1/2"	1
30"	17	4'-0"	6"	6"	6"	12"	6"	14"	14"	20"	8 1/2"	---	---	---	6"	15"	11 1/2"	1
24"	18	4'-0"	6"	6"	12"	12"	6"	16"	16"	9 1/2"	9 1/2"	---	---	---	6"	12"	8 1/2"	1

FOR STATE CONTRACT
ALL DIMENSIONS SHOULD
BE PREPARED IN METRIC
UNITS SOFT CONVERSION
METHOD SHOULD BE USED.

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REVISOR -
CHECKED -
DATE - 06-18-82

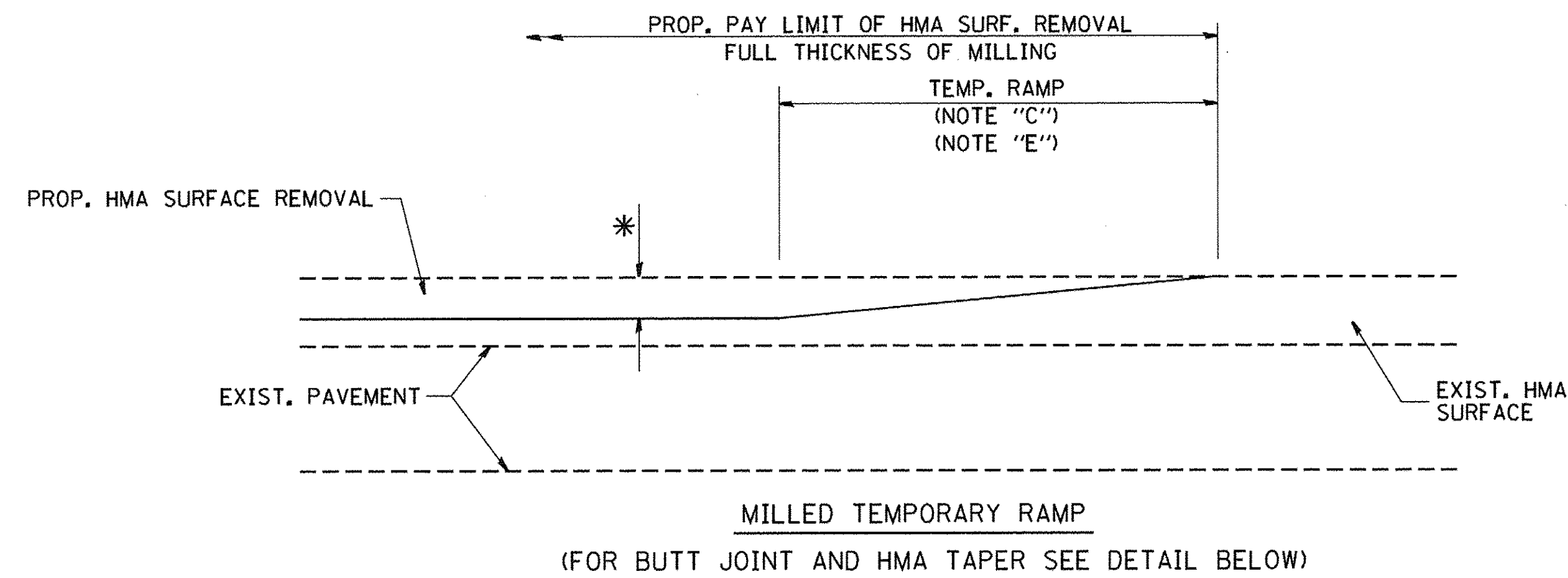
REVISED - 09-22-90
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

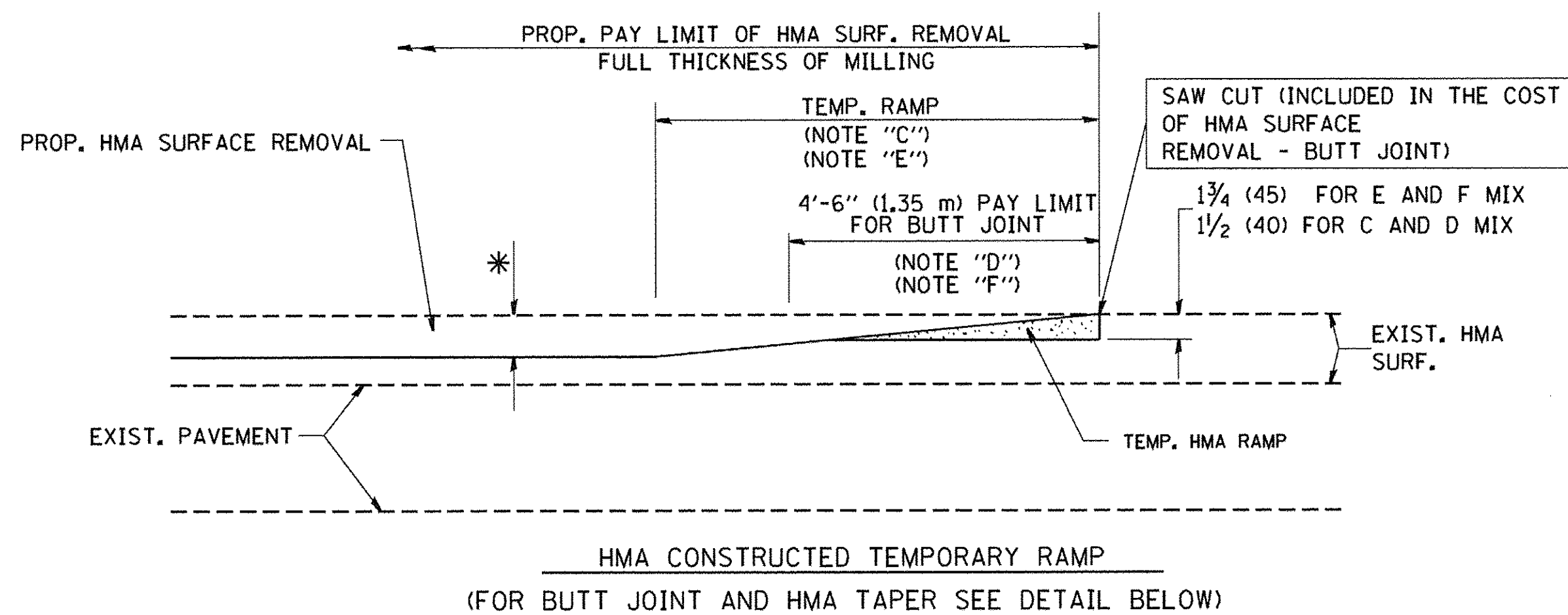
CITY OF CHICAGO
DRAINAGE DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

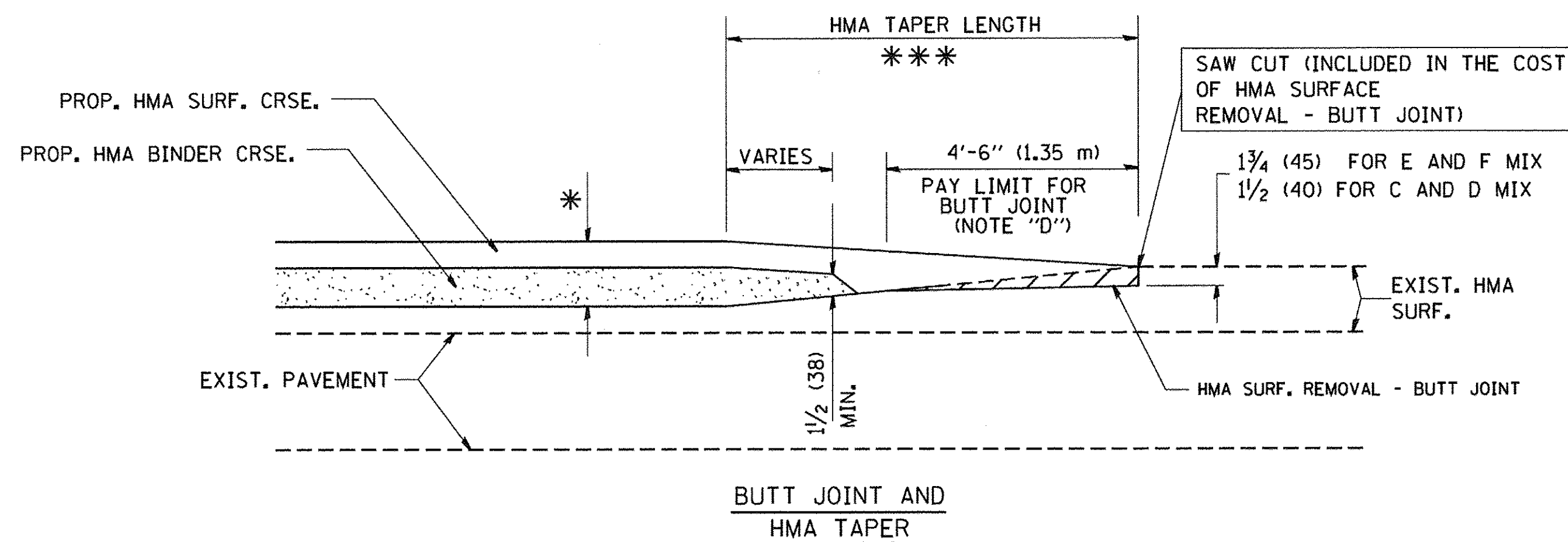
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2667	16-00094-00-FP	DUPAGE	163	133
BD600-12 (BD-9)		CONTRACT NO. 61D60		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



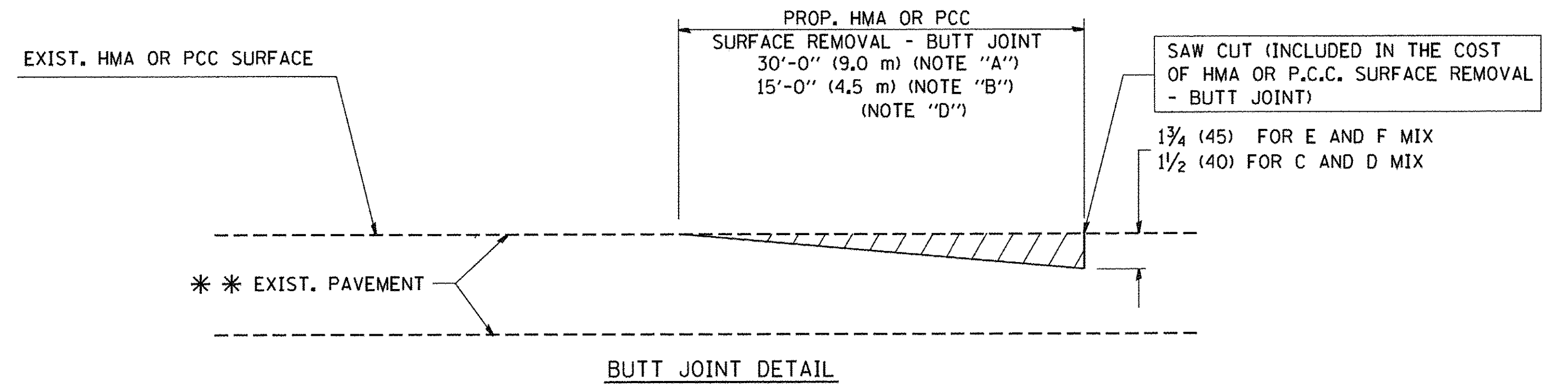
OPTION 1



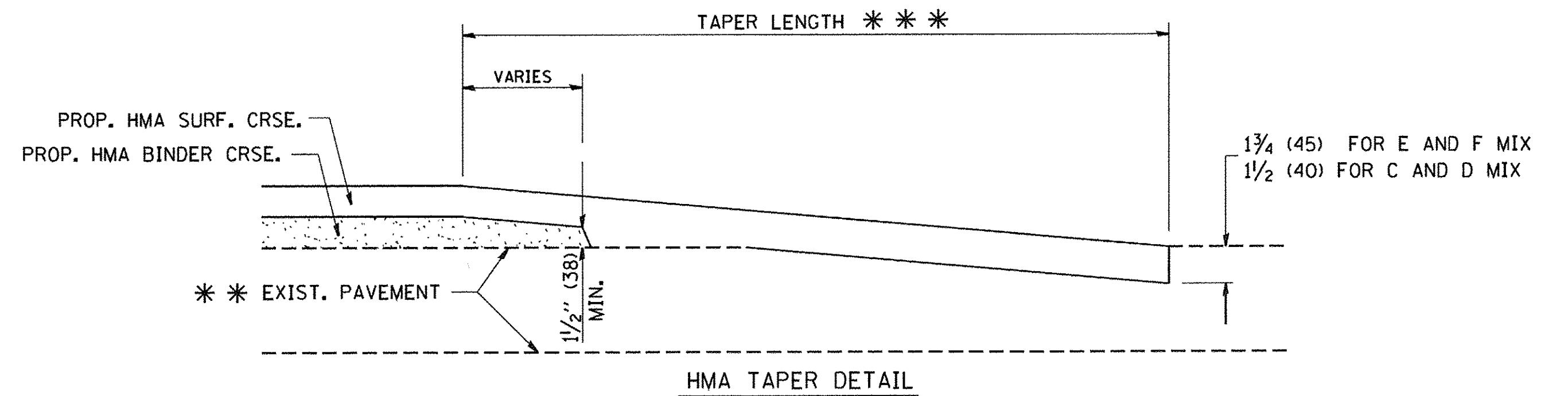
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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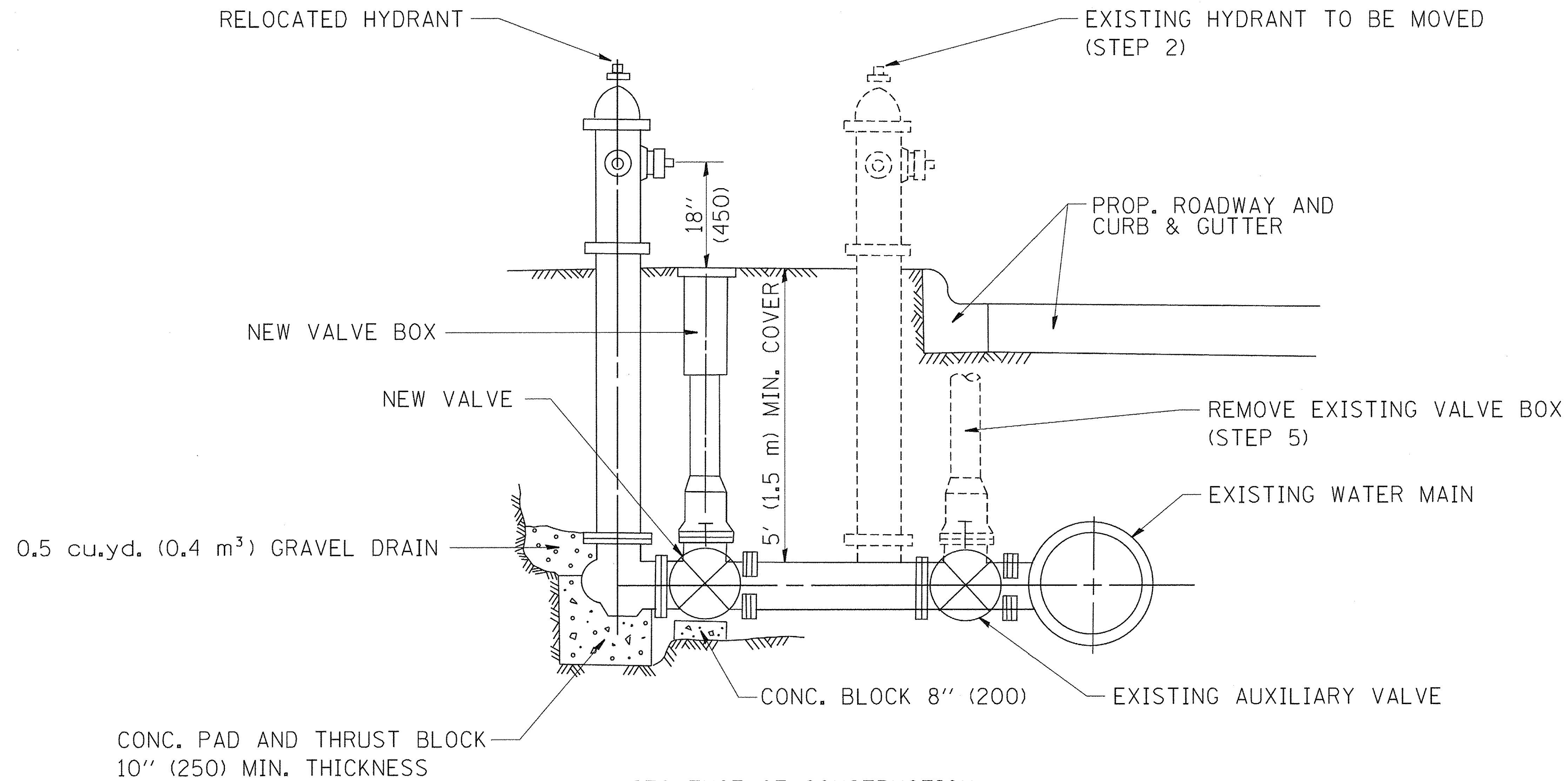
DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	135
BD400-05 BD32		CONTRACT NO. 61D60		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

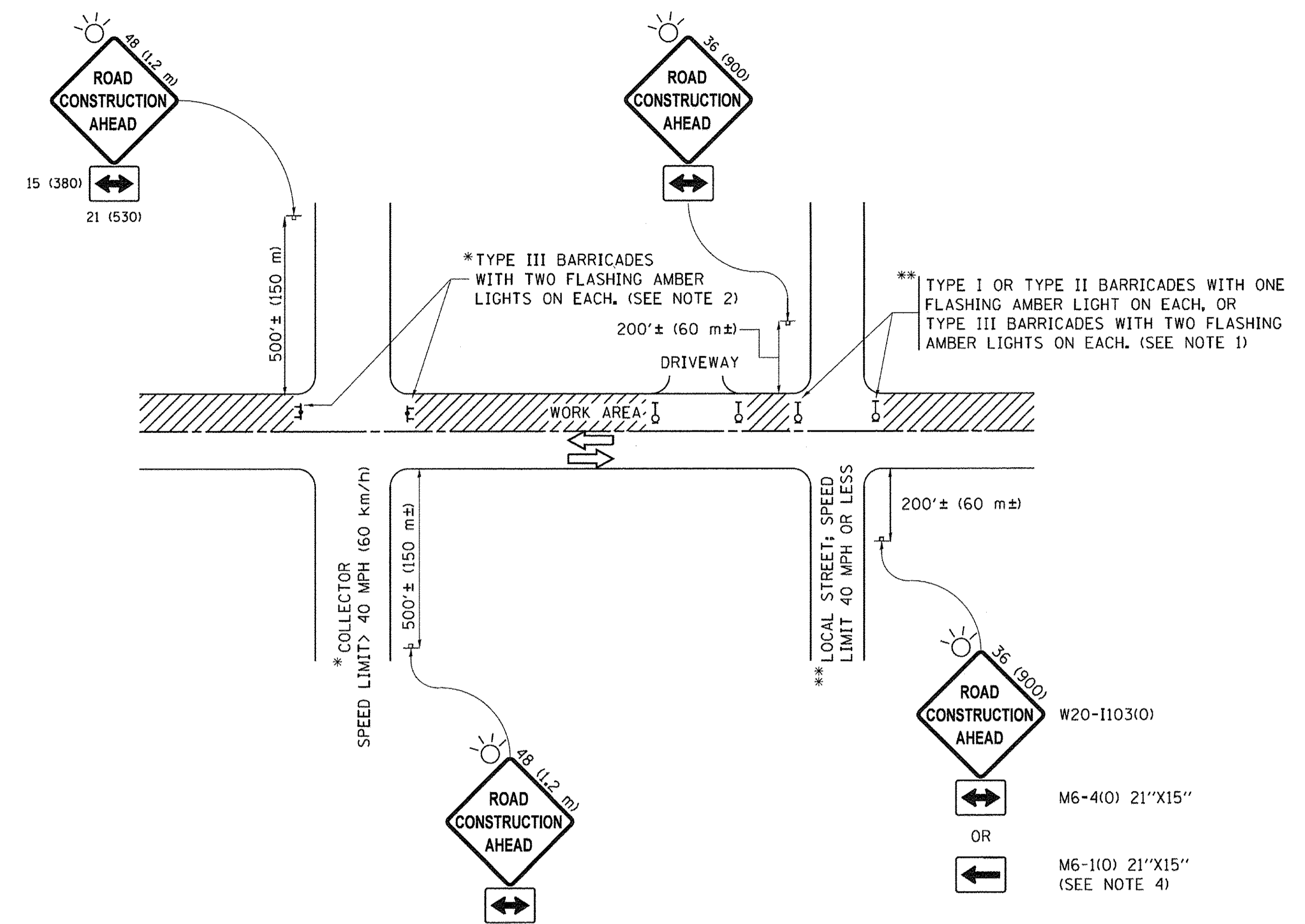
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = gaj:anobt	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94					2667	16-00094-00-FP	DUPAGE	163	136
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								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

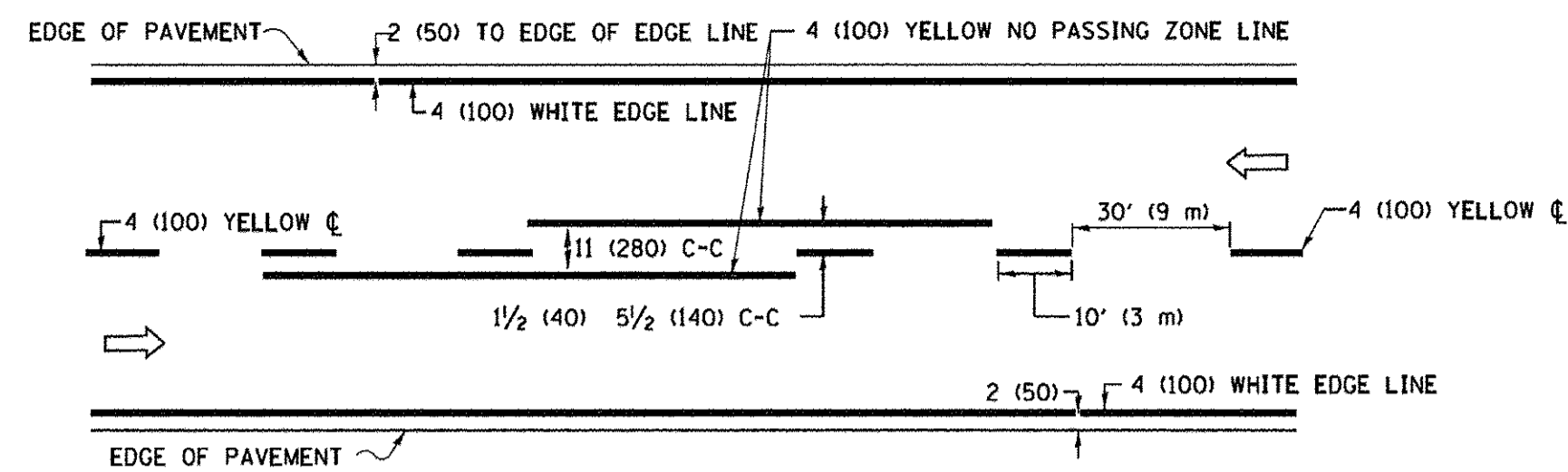


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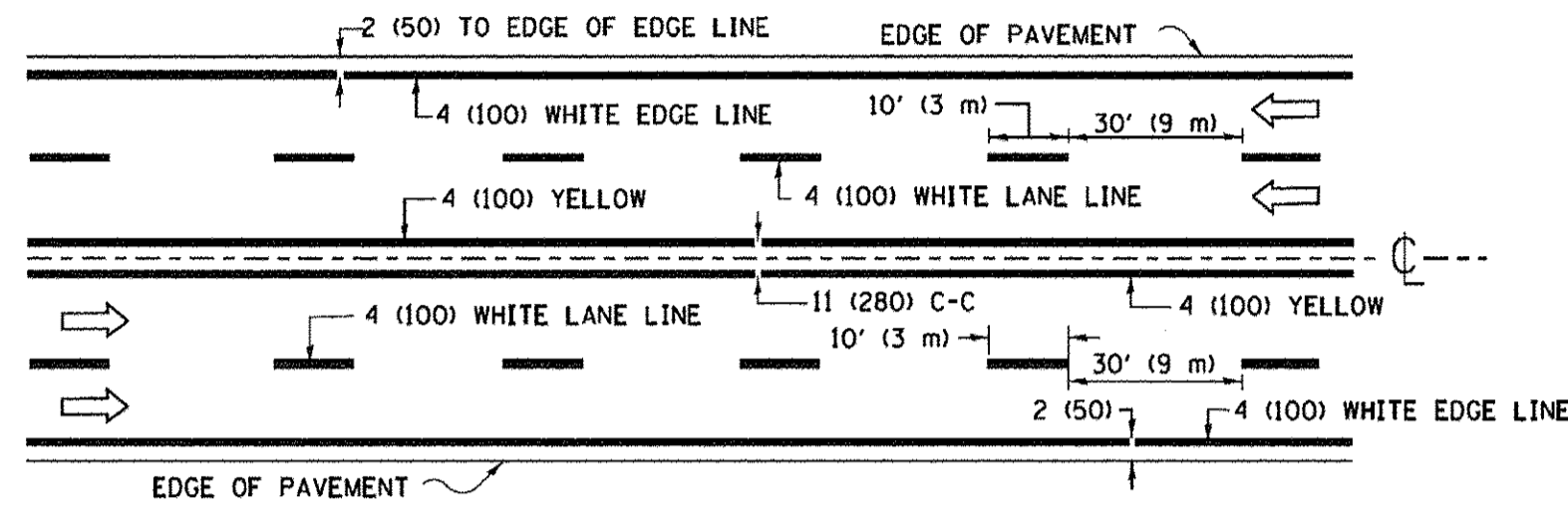
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

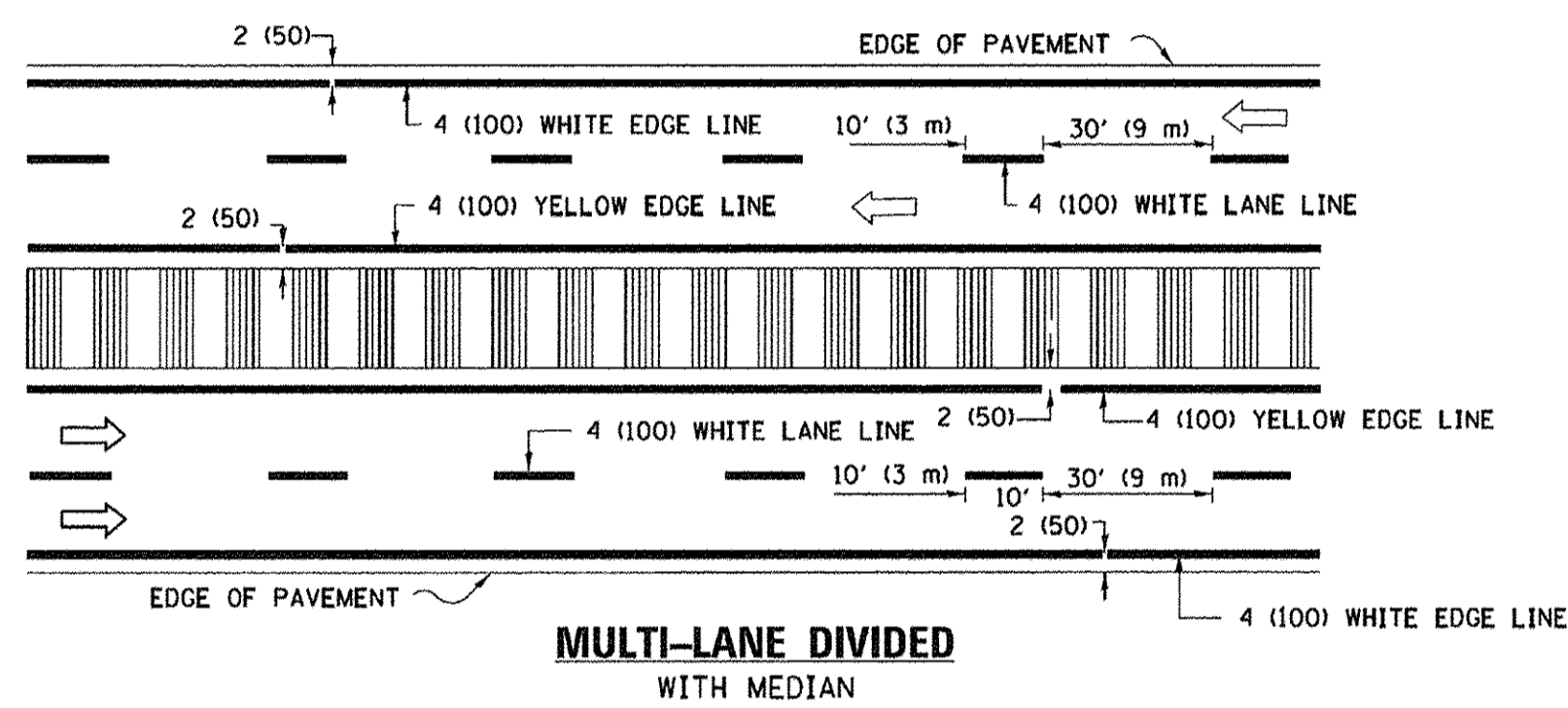
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Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



2-LANE ROADWAY

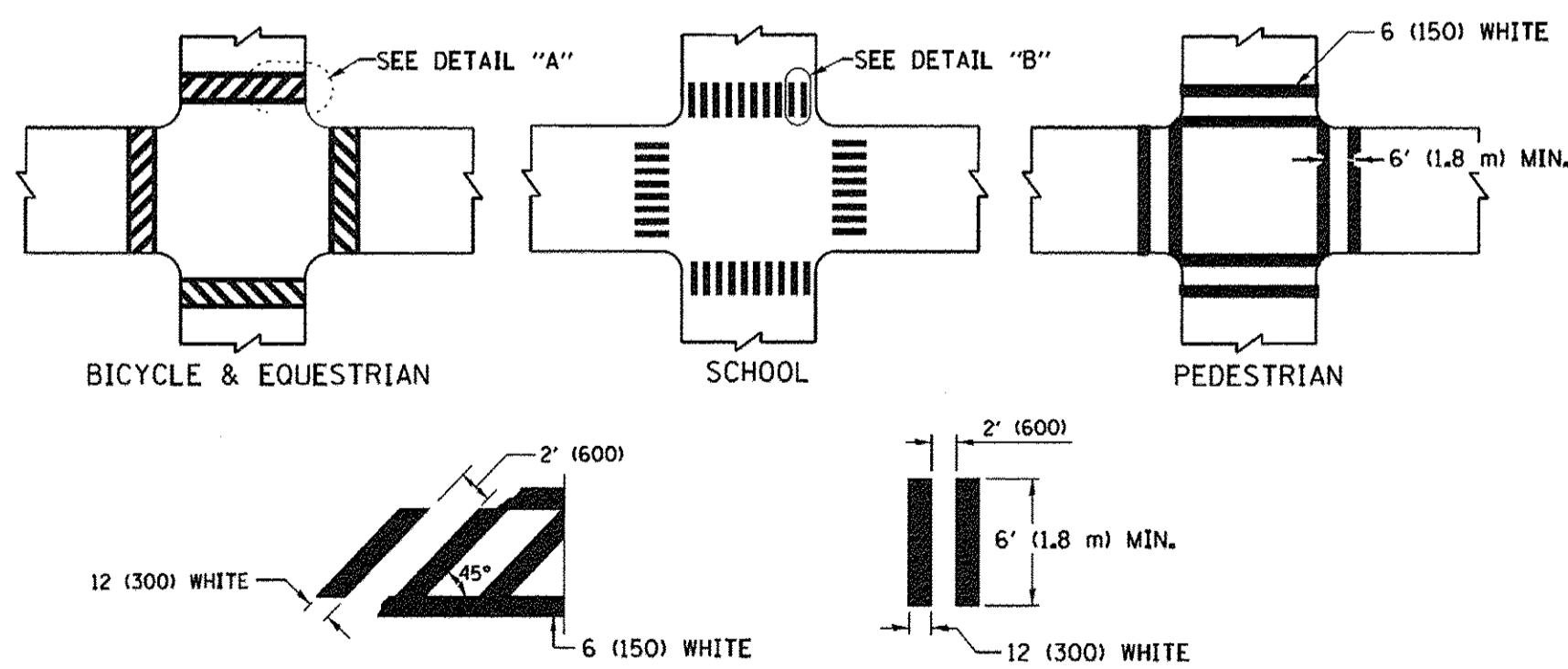


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

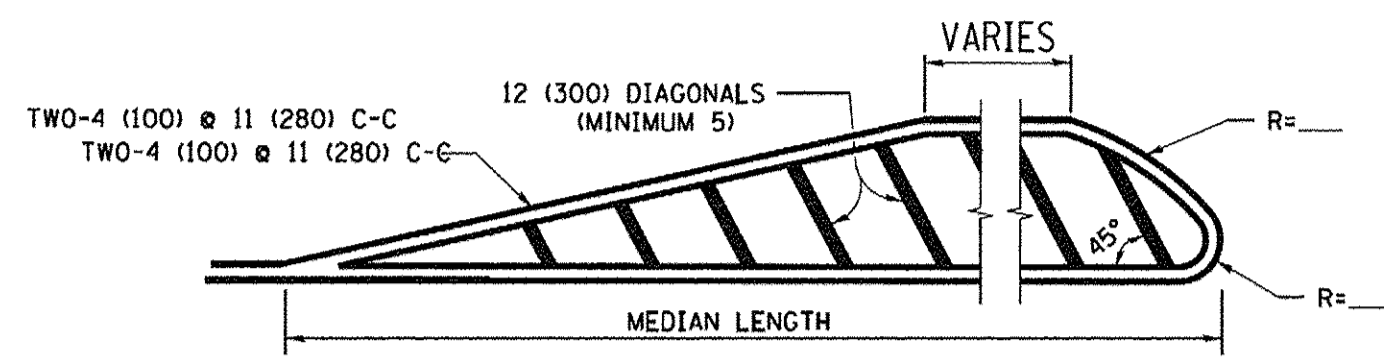
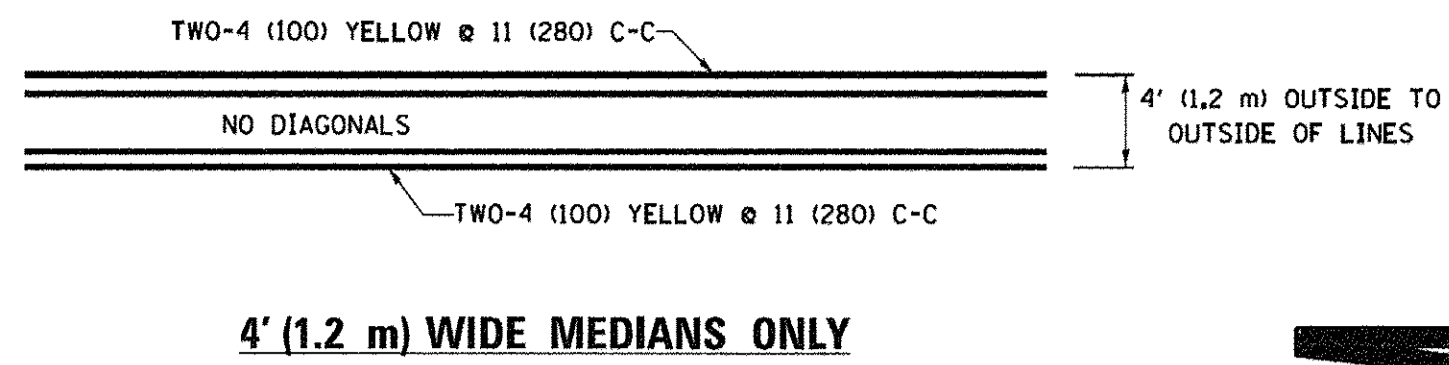


DETAIL "A"

DETAIL "B"

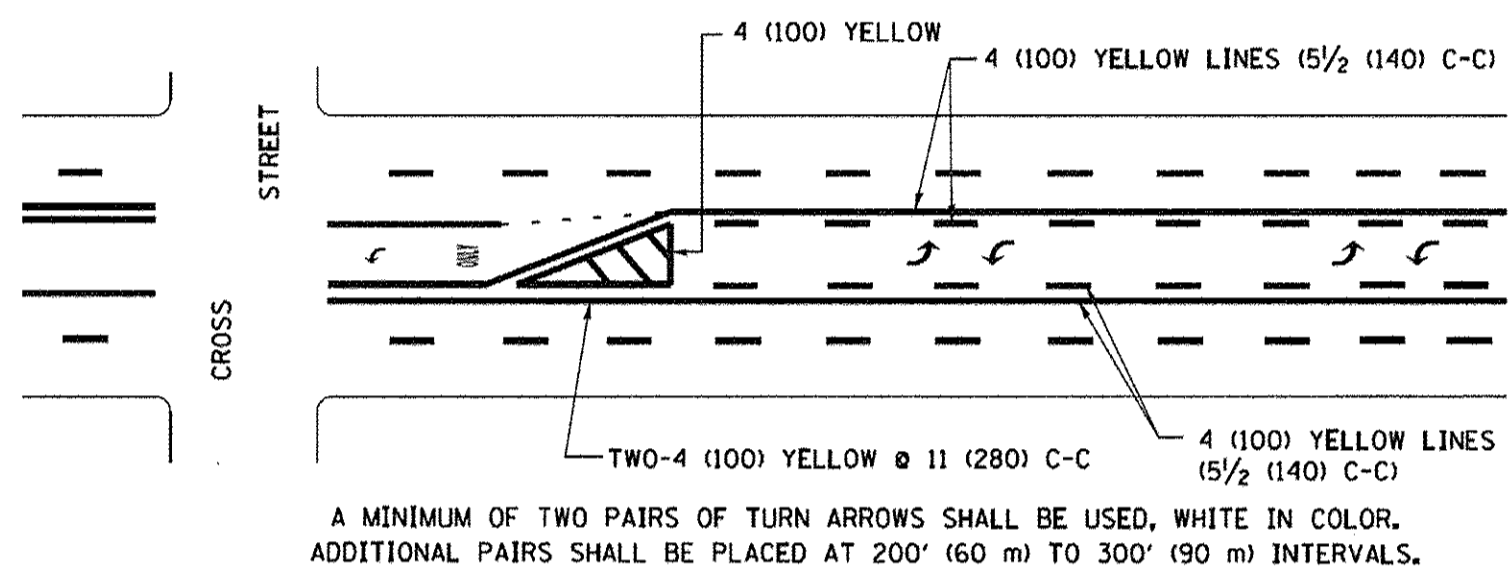
TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



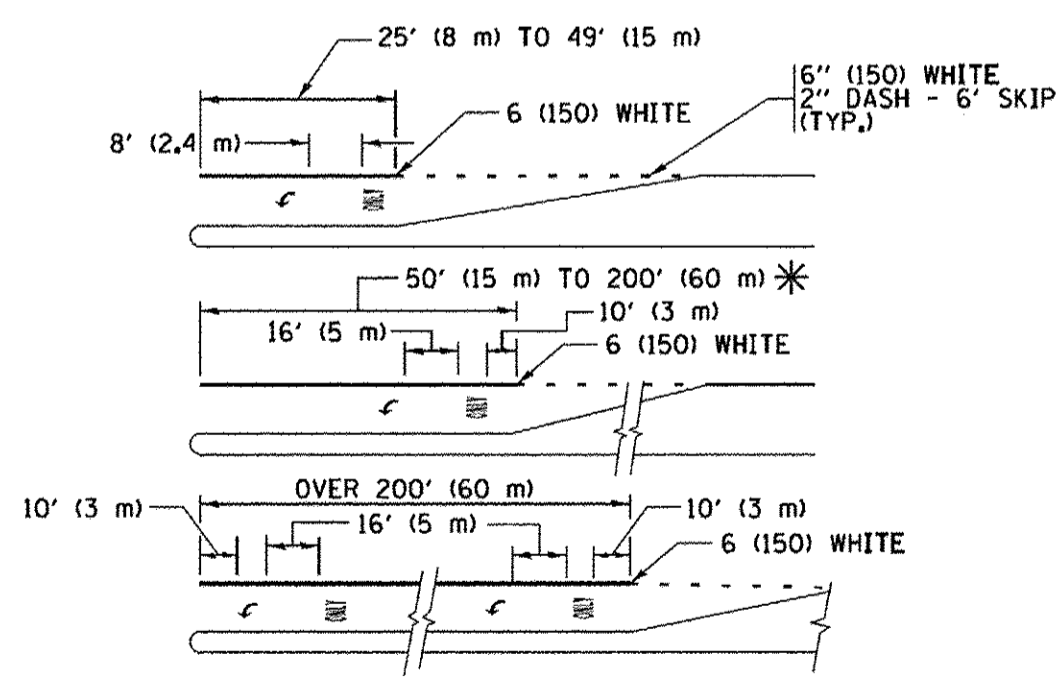
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

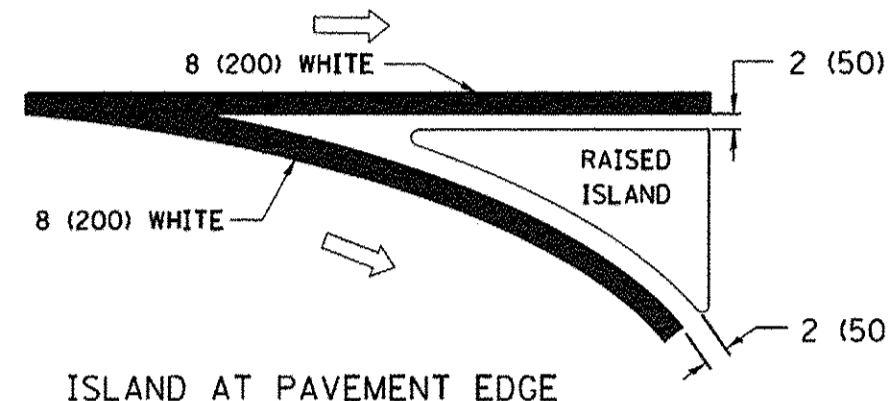
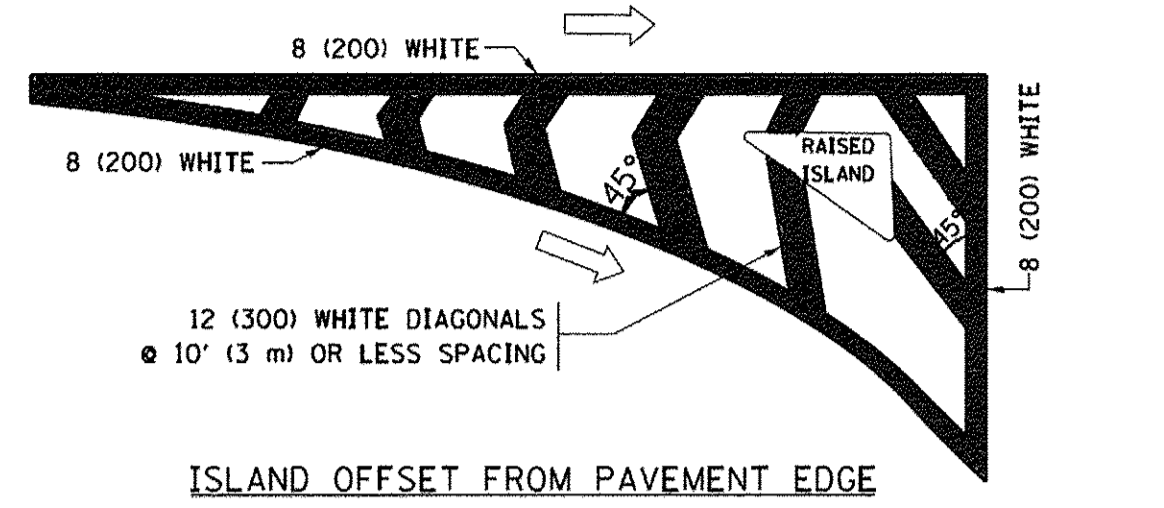


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

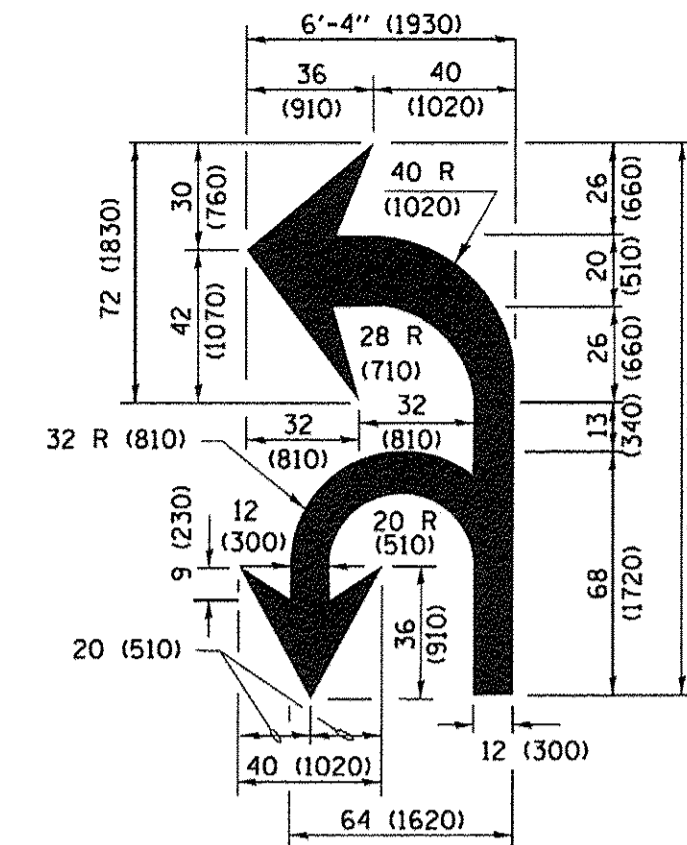
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

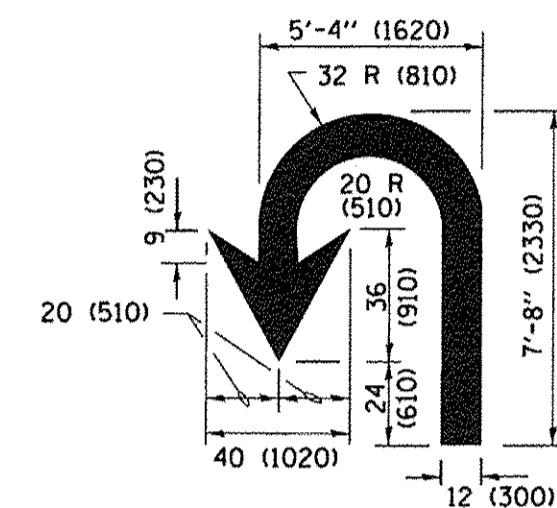
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' 6" (4.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

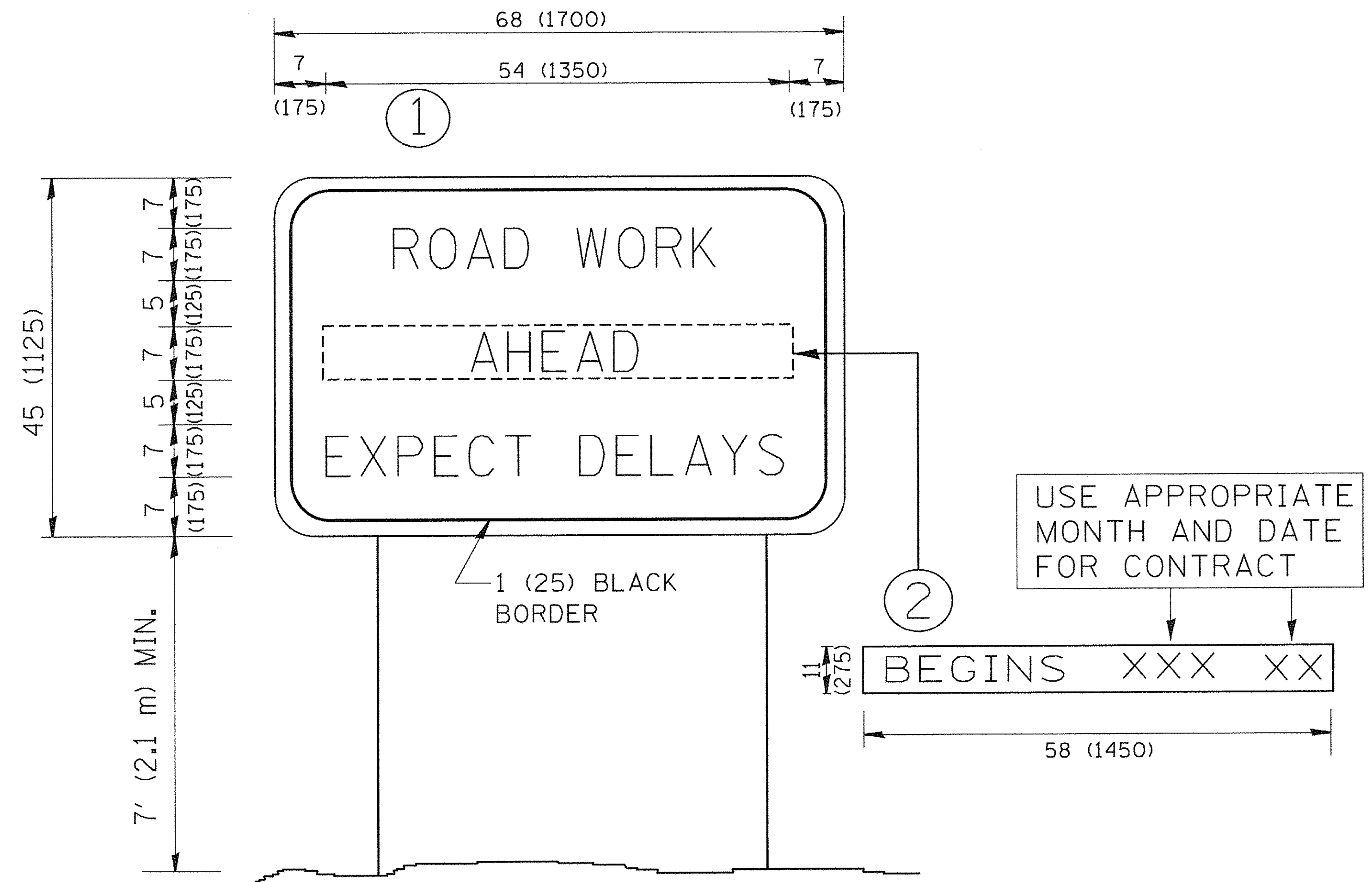
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footomj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
p:\NL084EBIDNTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWING\CADData\CADsheets\tcl3.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	138
TC-13		CONTRACT NO. 61D60		
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

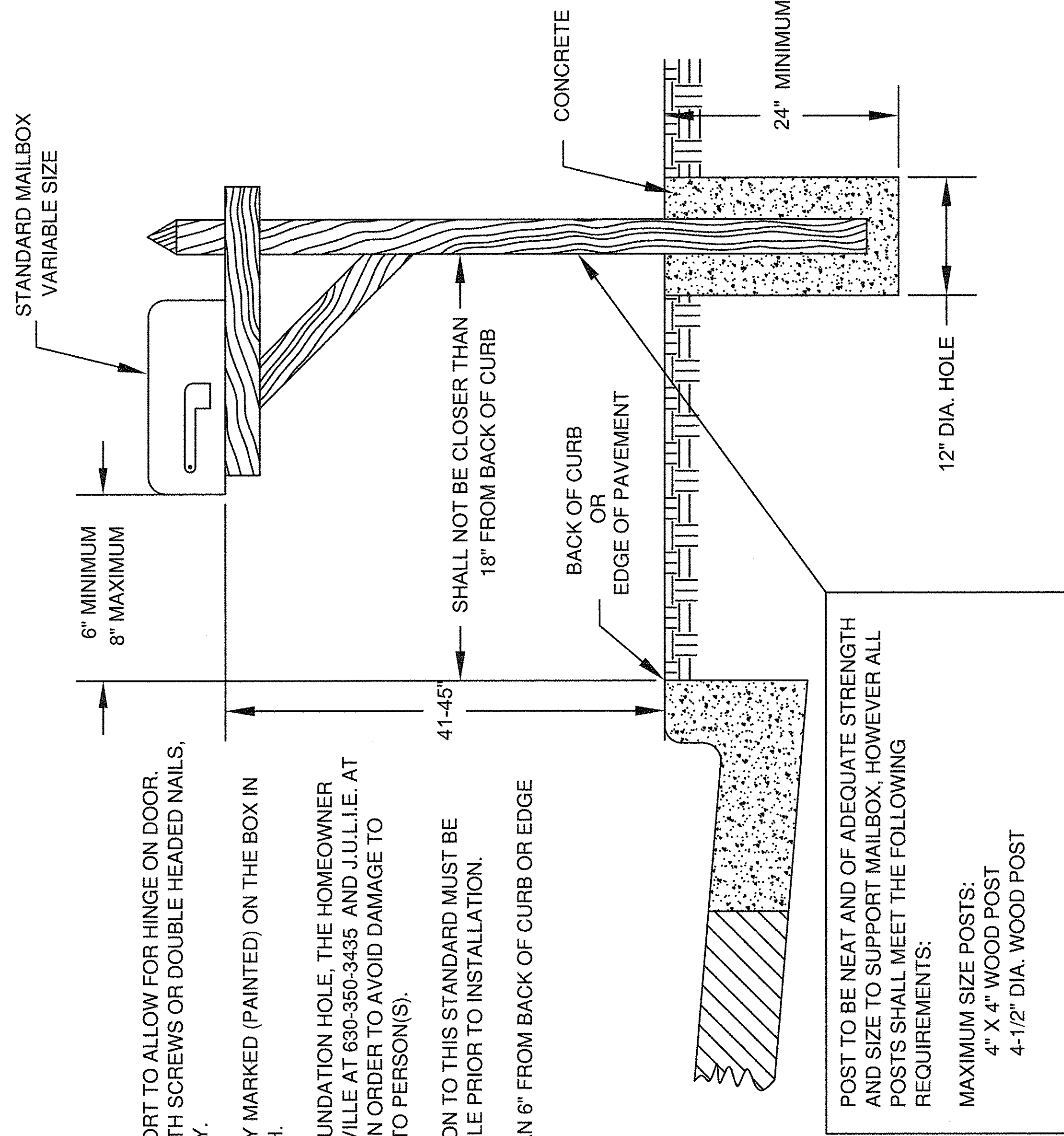
FILE NAME = W:\diststd\22x34\ta22.dgn	USER NAME = gaglianob	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. MIRS 12-11-97
	PLOT DATE = 1/4/2008	DATE -	REVISED - T. RAMMACHER 02-02-99
			REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	139
TC-22			CONTRACT NO. 61D60	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



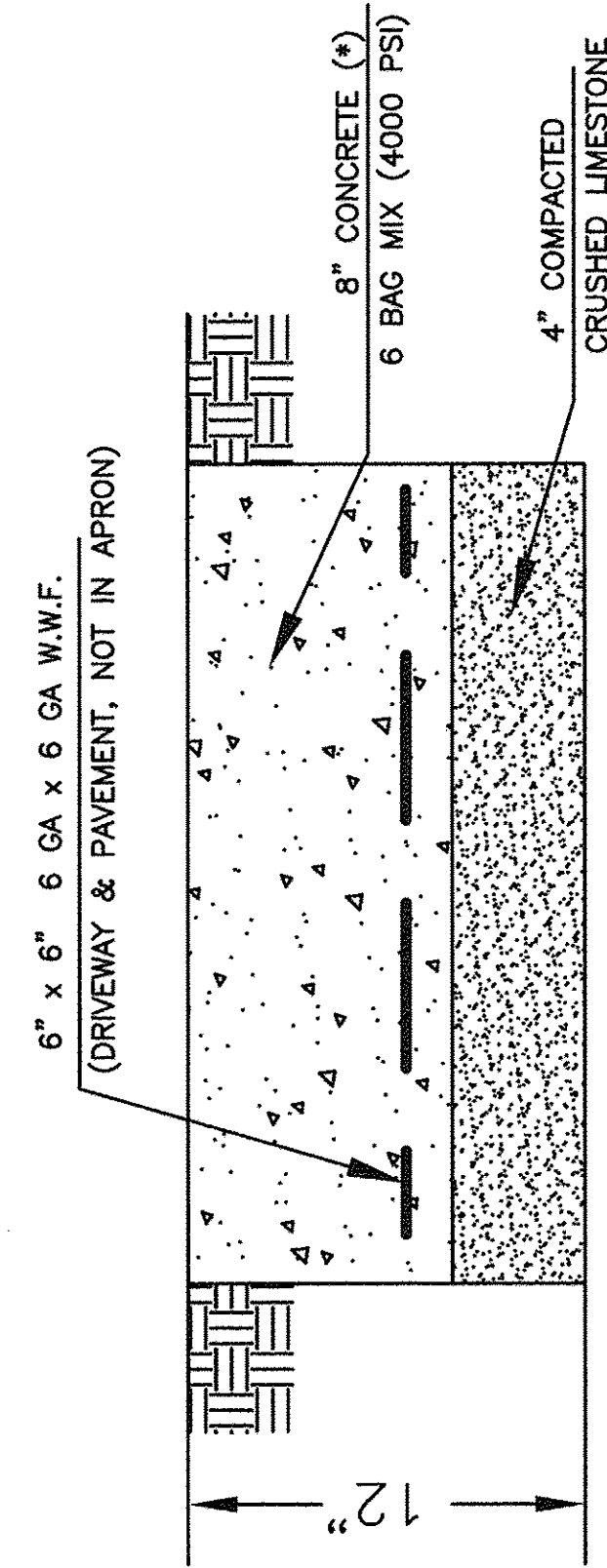
- NOTE**
1. EXTEND MAILBOX BEYOND EDGE OF SUPPORT TO ALLOW FOR HINGE ON DOOR. ATTACH BOARD HOLDING BOX TO POST WITH SCREWS OR DOUBLE HEADED NAILS, PERMITTING EASY REMOVAL IF NECESSARY.
 2. MAILBOX NUMBER SHALL BE PERMANENTLY MARKED (PAINTED) ON THE BOX IN NUMERALS NOT LESS THAN ONE INCH HIGH.
 3. PRIOR TO EXCAVATING SUPPORT POST FOUNDATION HOLE, THE HOMEOWNER SHALL CONTACT THE VILLAGE OF BENSENVILLE AT 630-350-3435 AND J.U.L.I.E. AT 1-800-892-0123 48 HRS. PRIOR TO DIGGING IN ORDER TO AVOID DAMAGE TO UNDERGROUND UTILITIES OR INJURY(IES) TO PERSON(S).
 4. ALL MAILBOX SUPPORTS AND ANY VARIATION TO THIS STANDARD MUST BE APPROVED BY THE VILLAGE OF BENSENVILLE PRIOR TO INSTALLATION.
 5. MAILBOX FACE SHALL NOT BE CLOSER THAN 6" FROM BACK OF CURB OR EDGE OF PAVEMENT IF THERE IS NO CURB.

POST TO BE NEAT AND OF ADEQUATE STRENGTH AND SIZE TO SUPPORT MAILBOX. HOWEVER ALL POSTS SHALL MEET THE FOLLOWING REQUIREMENTS:
 MAXIMUM SIZE POSTS:
 4" X 4" WOOD POST
 4-1/2" DIA. WOOD POST

VILLAGE OF BENSENVILLE
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 BENSENVILLE, IL 60106
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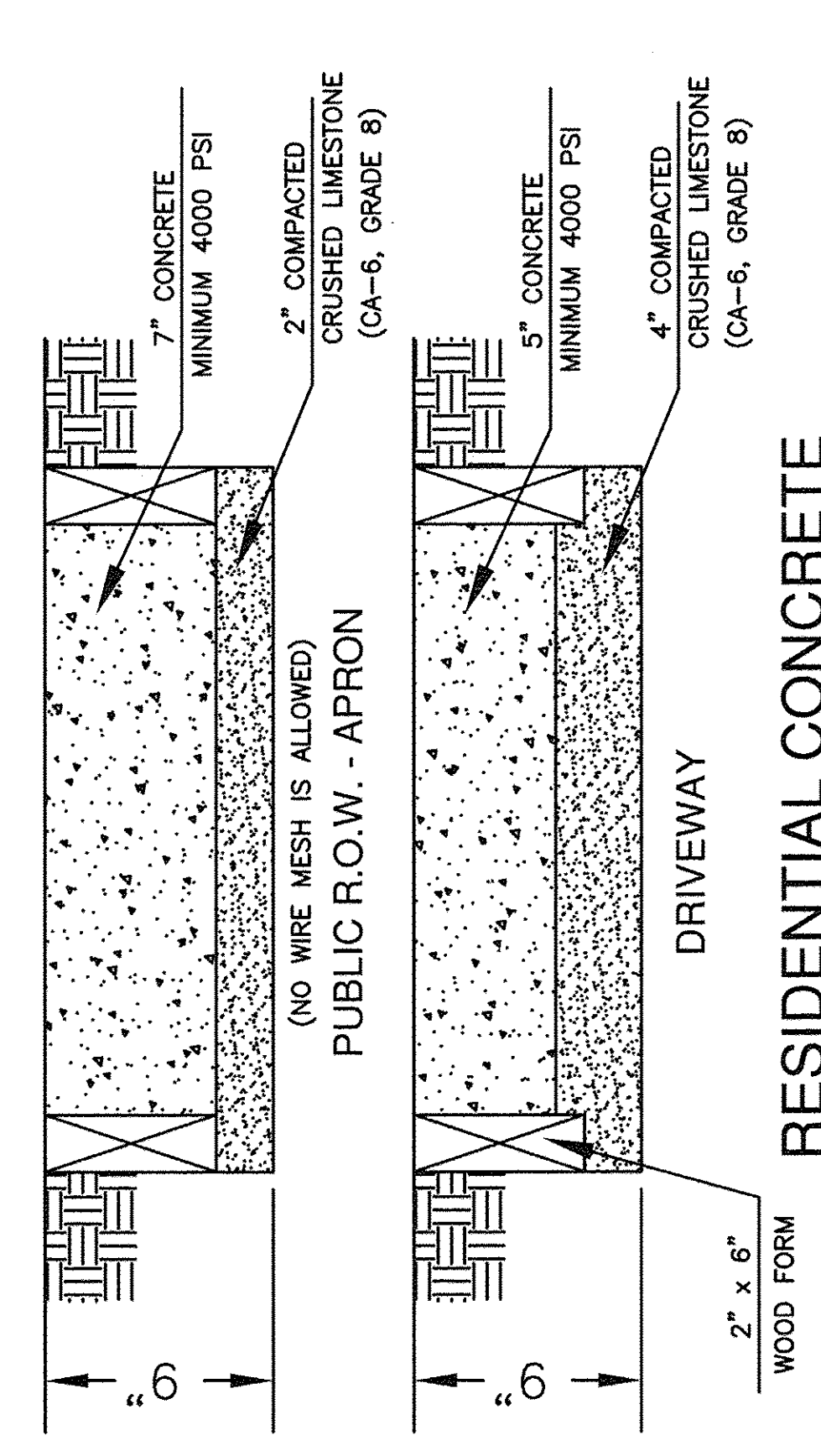
MAILBOX SUPPORT AND ATTACHMENT DESIGN

REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
G:\ENGINEERING\STANDARDS\NEW STANDARDS\GENERAL	

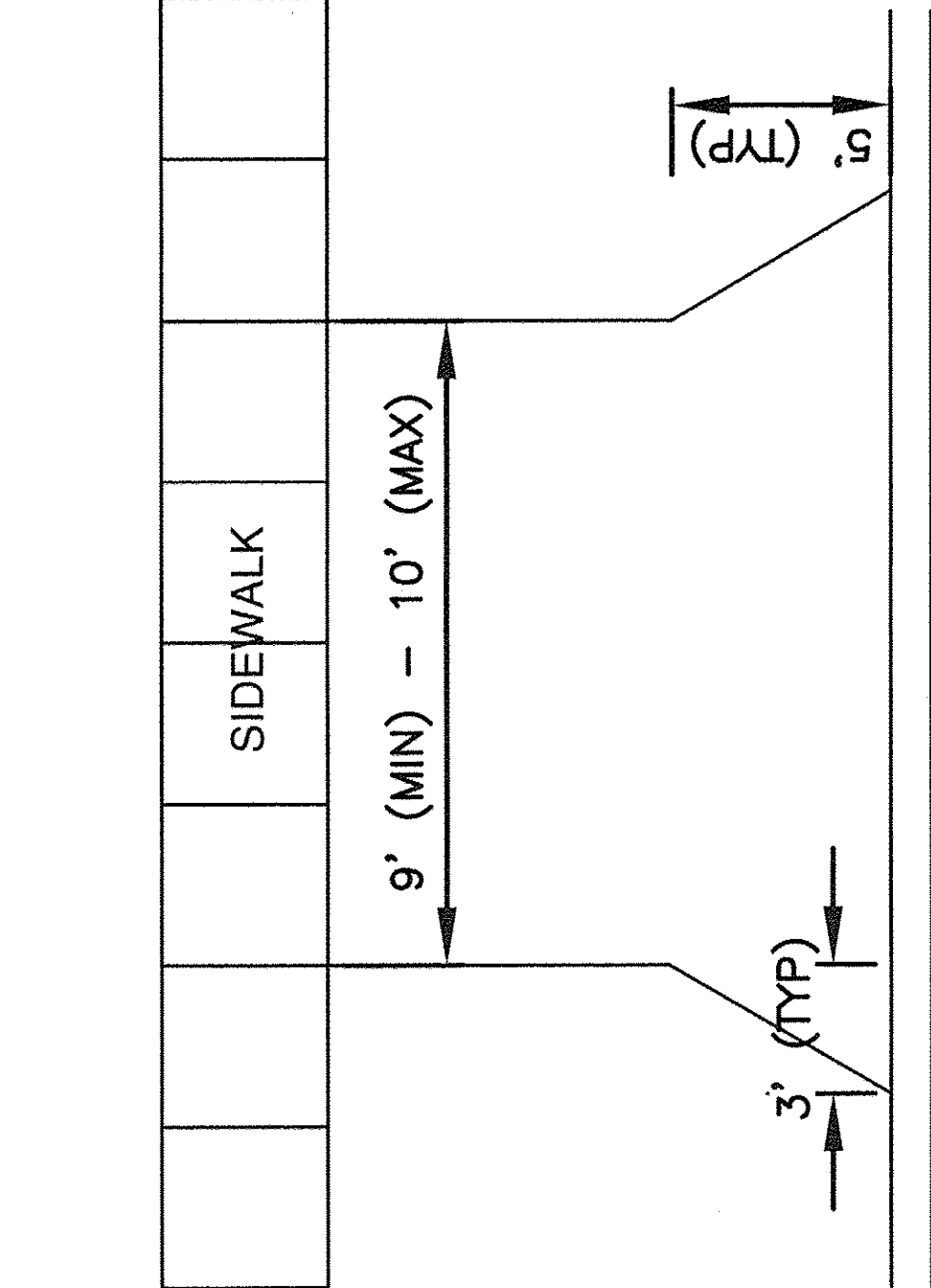


COMMERCIAL DRIVEWAY

(* RECOMMEND 10" IN TRUCK TRAFFIC & LOADING AREAS)

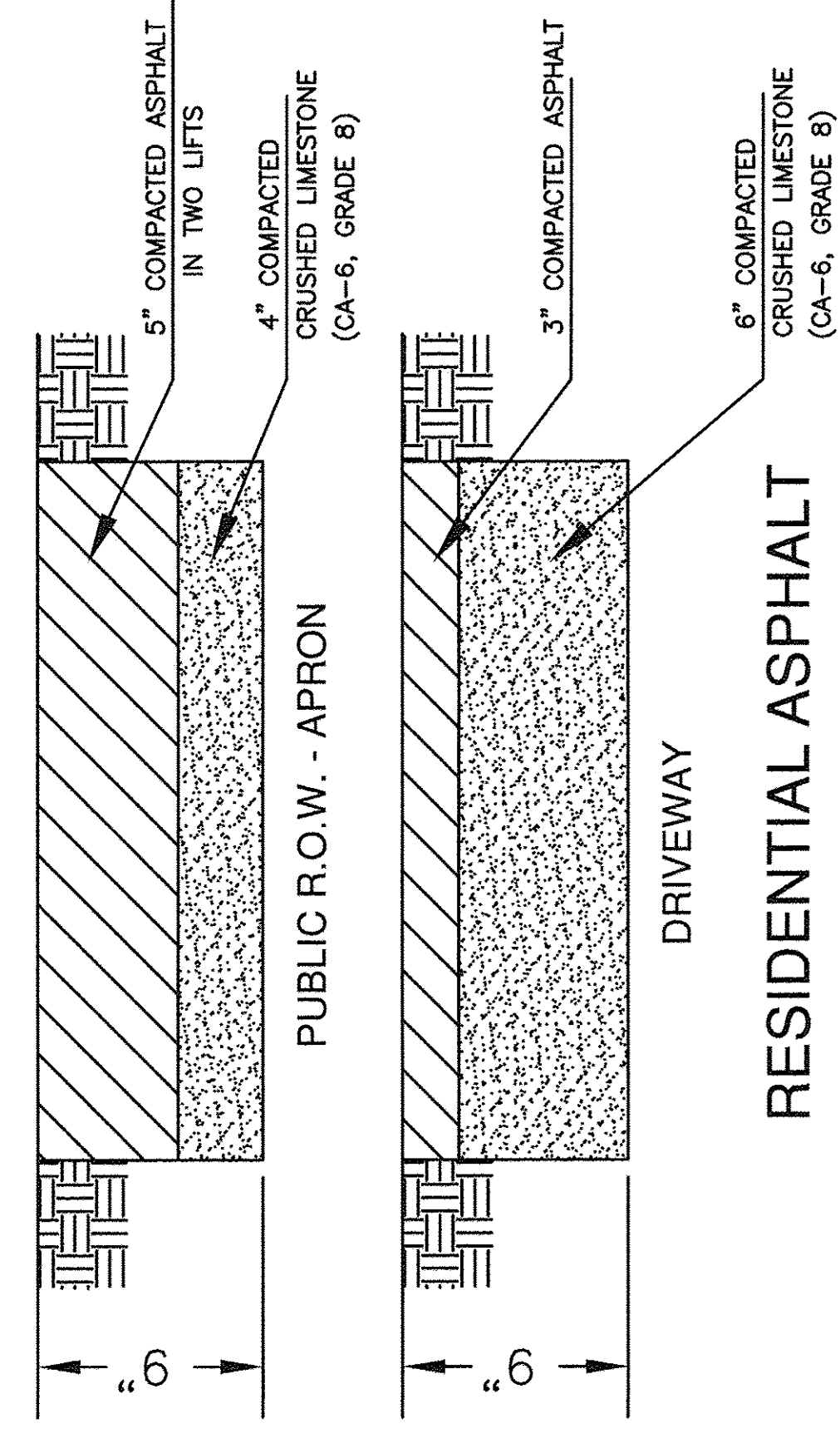


RESIDENTIAL CONCRETE DRIVEWAY



SINGLE CAR RESIDENTIAL DRIVEWAY

NOTE: REFER TO 10-11-7-1 & 10-11-7-2 OF VILLAGE CODE FOR MORE INFORMATION.



RESIDENTIAL ASPHALT DRIVEWAY

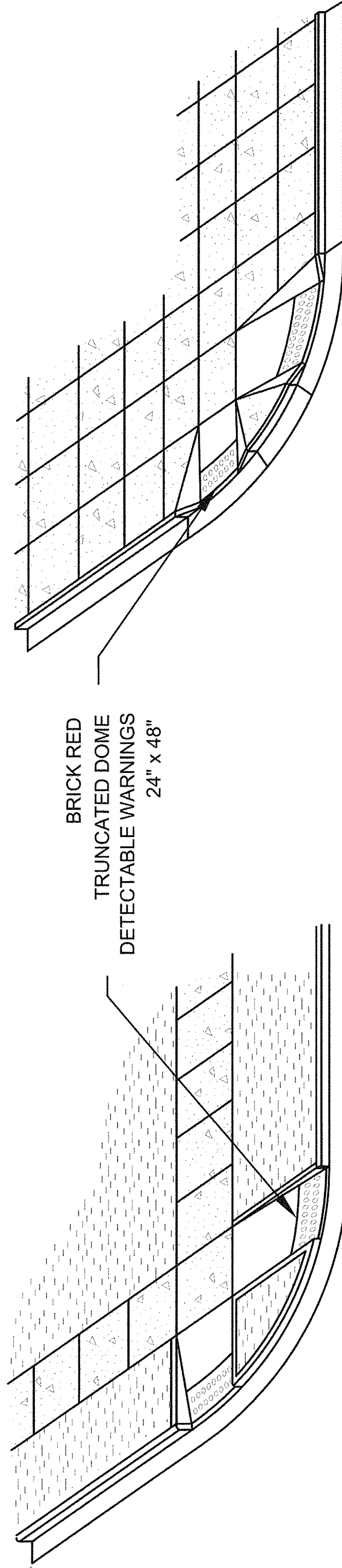
VILLAGE OF BENSENVILLE
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 BENSENVILLE, IL 60106
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DRIVEWAY STANDARD

REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
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PLAN	DESIGNED	BY	DATE
NO.	NO.		
	GRADES CHECKED		
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK		
	CAD FILE NAME		

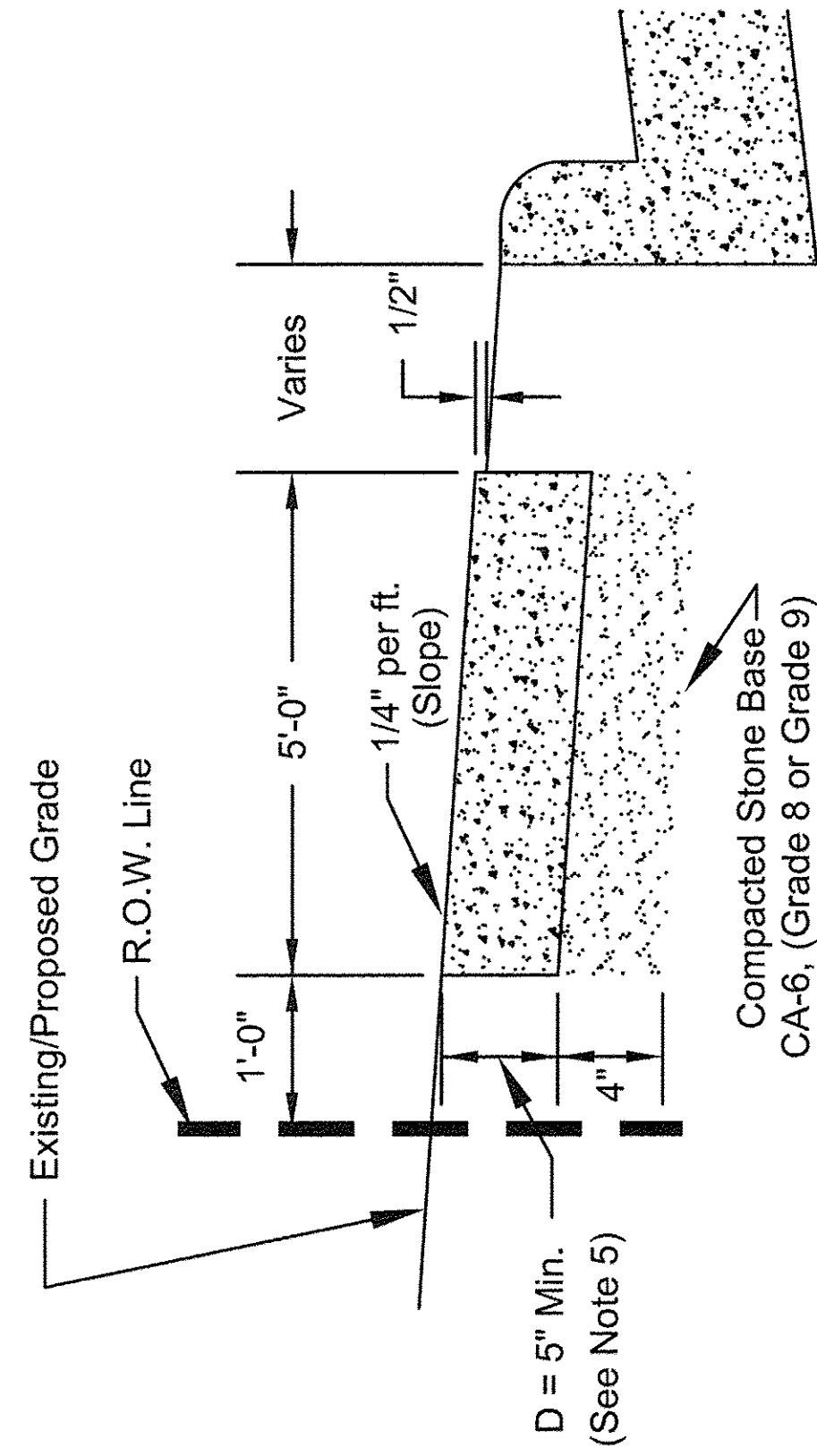
PROFILE	DESIGNED	BY	DATE
NO.	NO.		
	GRADES CHECKED		
	PLOTTED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK		



TYPE A RAMPS

TYPE B RAMPS

SIDEWALK RAMP



Note: No crushed concrete will be allowed.

PUBLIC SIDEWALK

VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, IL 60106
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PUBLIC SIDEWALK STANDARD

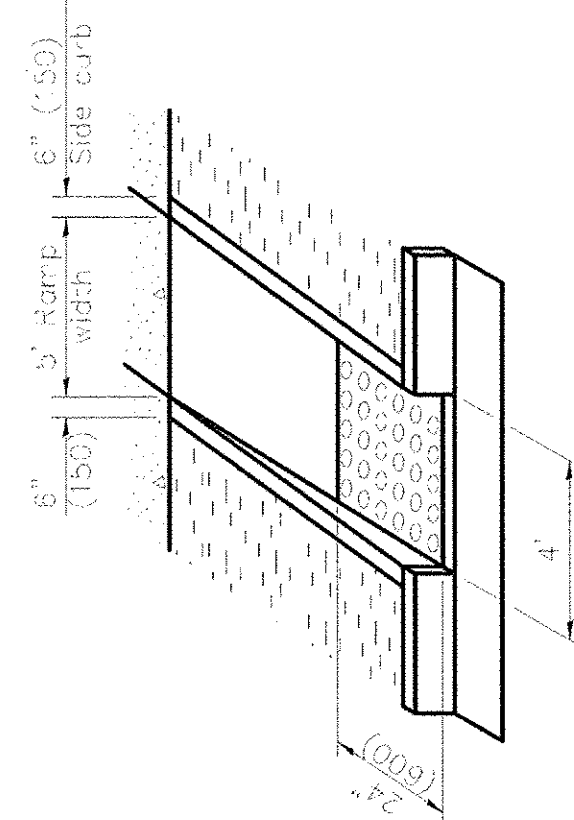


(1 OF 2)

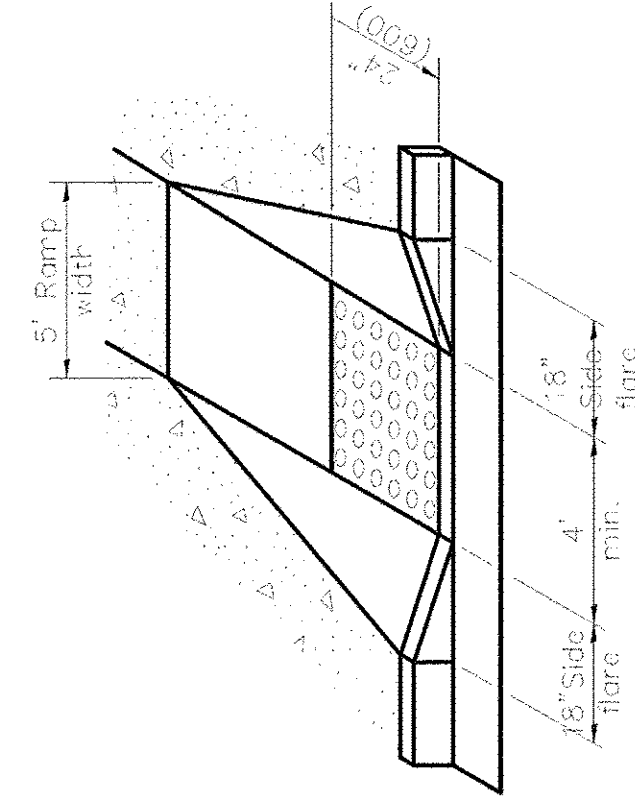
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	REVISIONS
FILE LOCATION	
G:\ENGINEERING\STANDARDS\NEW STANDARDS\ROADWAY	

NOTE:

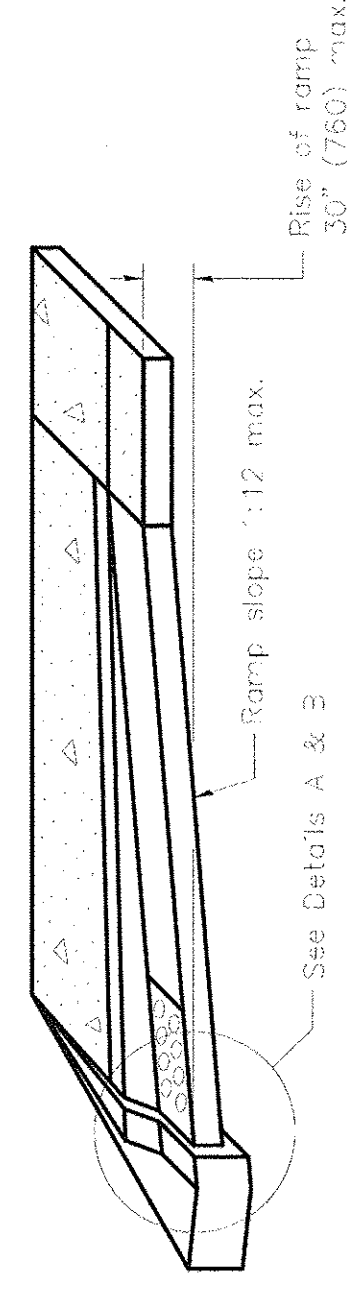
1. TO BE FORMED WITH 2" x 6" BOARDS OR BY 5" WIDE STEEL FORMS.
2. TOOLED JOINTS SHALL BE 1/2" AT 5' CENTERS.
3. EXPANSION JOINTS SHALL BE 3/4" THICK X 5" WIDE BITUMINOUS IMPREGNATED FIBERBOARD AT 30' CENTERS, AT DRIVEWAYS AND OTHER CONCRETE JOINTS.
4. PROVIDE BROOM FINISH EXCEPT AT TRUNCATED DOME.
5. D = MATCH THICKNESS WHEN CROSSING THROUGH DRIVEWAYS
6. SIDEWALK RAMPS AT DRIVEWAYS SHALL BE BUILT PER THE VILLAGE STANDARD.
7. THE COMPRESSIVE STRENGTH SHALL MEET OR EXCEED I.D.O.T.'S REQUIREMENTS FOR "SI" CONCRETE (MINIMUM 3500 PSI @ 14 DAYS)
8. PROVIDE DEPRESSED CURBS AT ALL WALKS, 4' MINIMUM WIDTH ON DEPRESSION.
9. ALL SIDEWALKS, CURB/GUTTER AND PAVEMENT TO BE SAW-CUT AS REQUIRED.
10. MAXIMUM SLOPE OF RAMP NOT TO EXCEED 8%.
11. DRIVEWAY APRON REMOVAL & REPLACEMENT SHALL INCLUDE THE INSTALLATION OF A TRUNCATED DOME HANDICAPPED SIDEWALK RAMP ON BOTH SIDES OF THE APRON UNLESS OTHERWISE APPROVED BY THE VILLAGE ENGINEER.
12. TRUNCATED DOME CONSTRUCTION FOR DETECTABLE WARNINGS SHALL BE ARMOR-TILE TACTILE SYSTEMS FEDERAL #22144 OR ARMORCAST WET SET PANEL. BRICK RED AND SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE I.D.O.T. STANDARDS. NO SURFACE MOUNT PANELS ALLOWED.



TYPE A



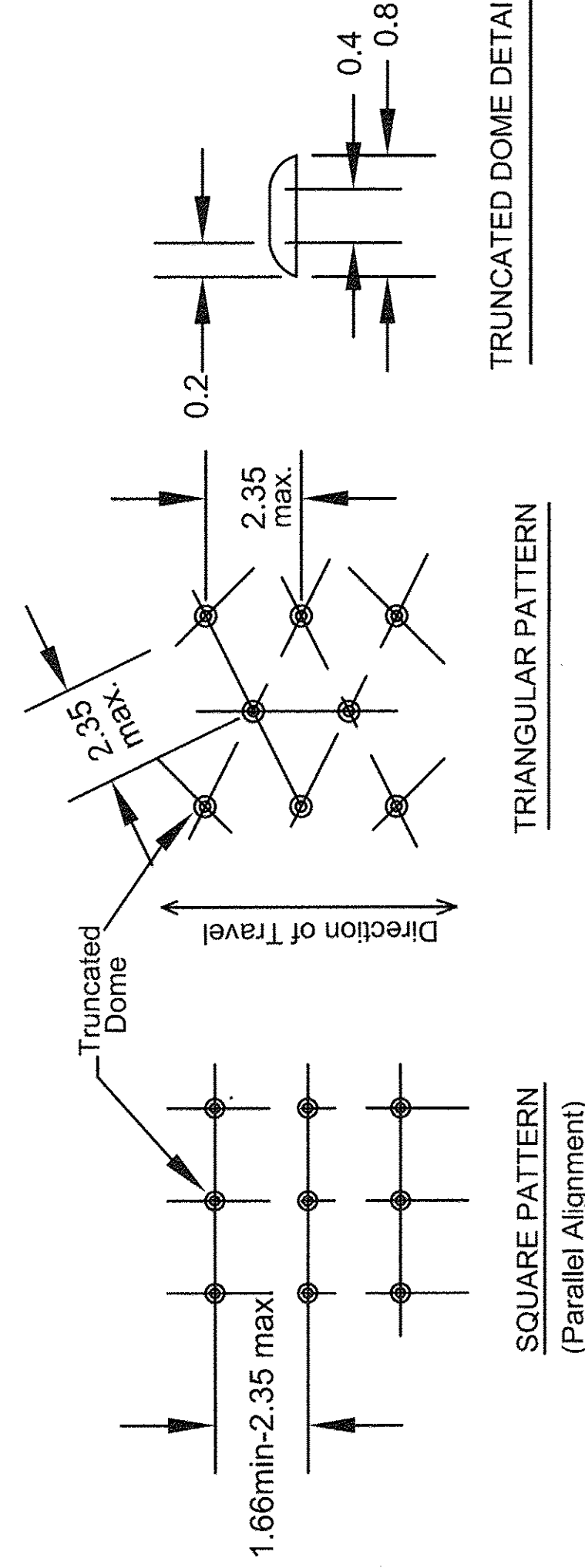
TYPE B



RAMP PROFILE

RAMP DETAILS

RAMP PROFILE



DETECTABLE WARNINGS DETAIL
All dimensions are in inches unless otherwise shown

VILLAGE OF BENSENVILLE
12 S. CENTER STREET
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PUBLIC SIDEWALK STANDARD



(2 OF 2)

VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	REVISIONS
FILE LOCATION	
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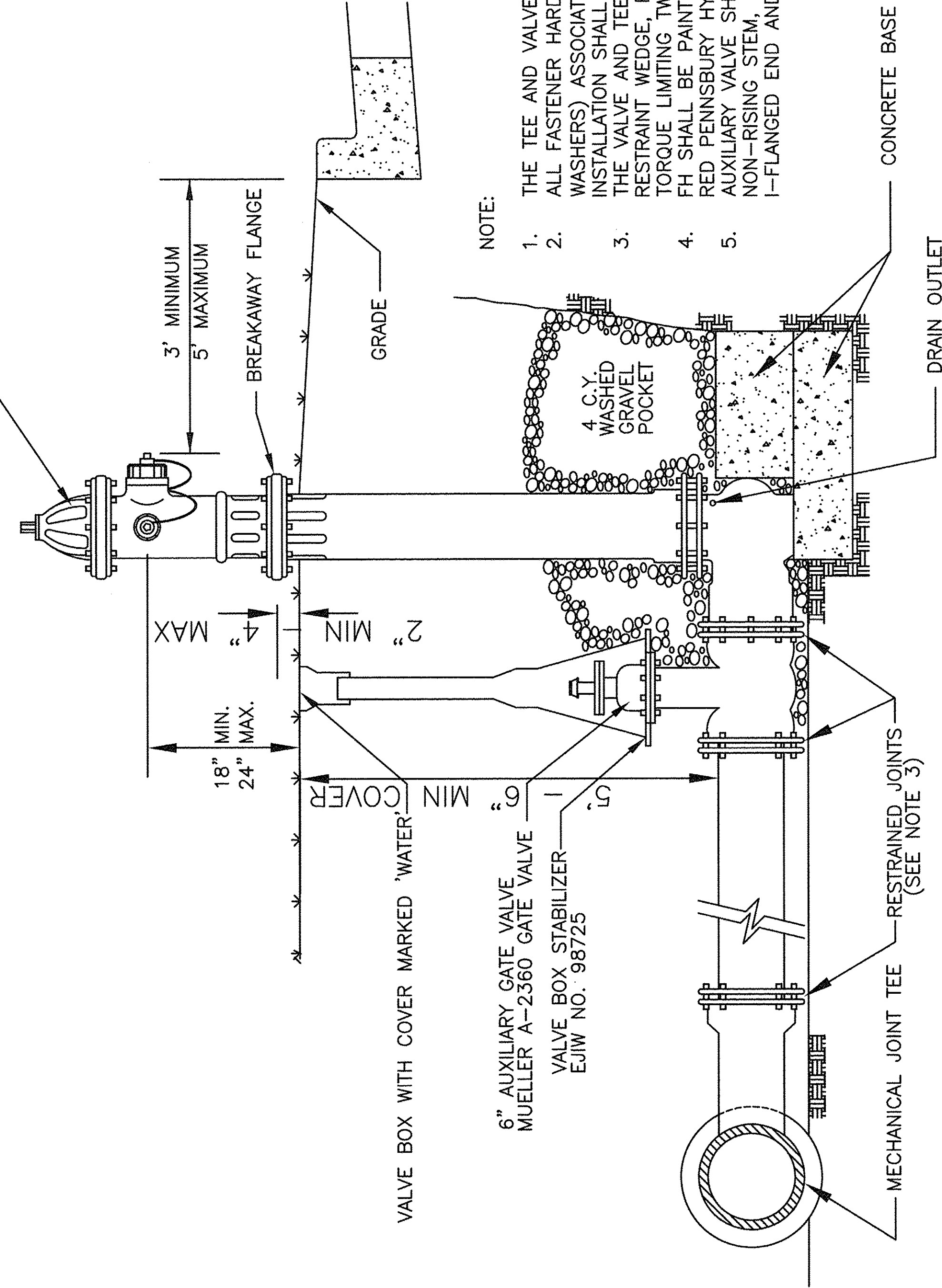
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	142
CONTRACT NO. 61D60			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
	CHECKED		
	BY		
	DATE		

MUELLER SUPER CENTURION 250 A-423



NOTE:

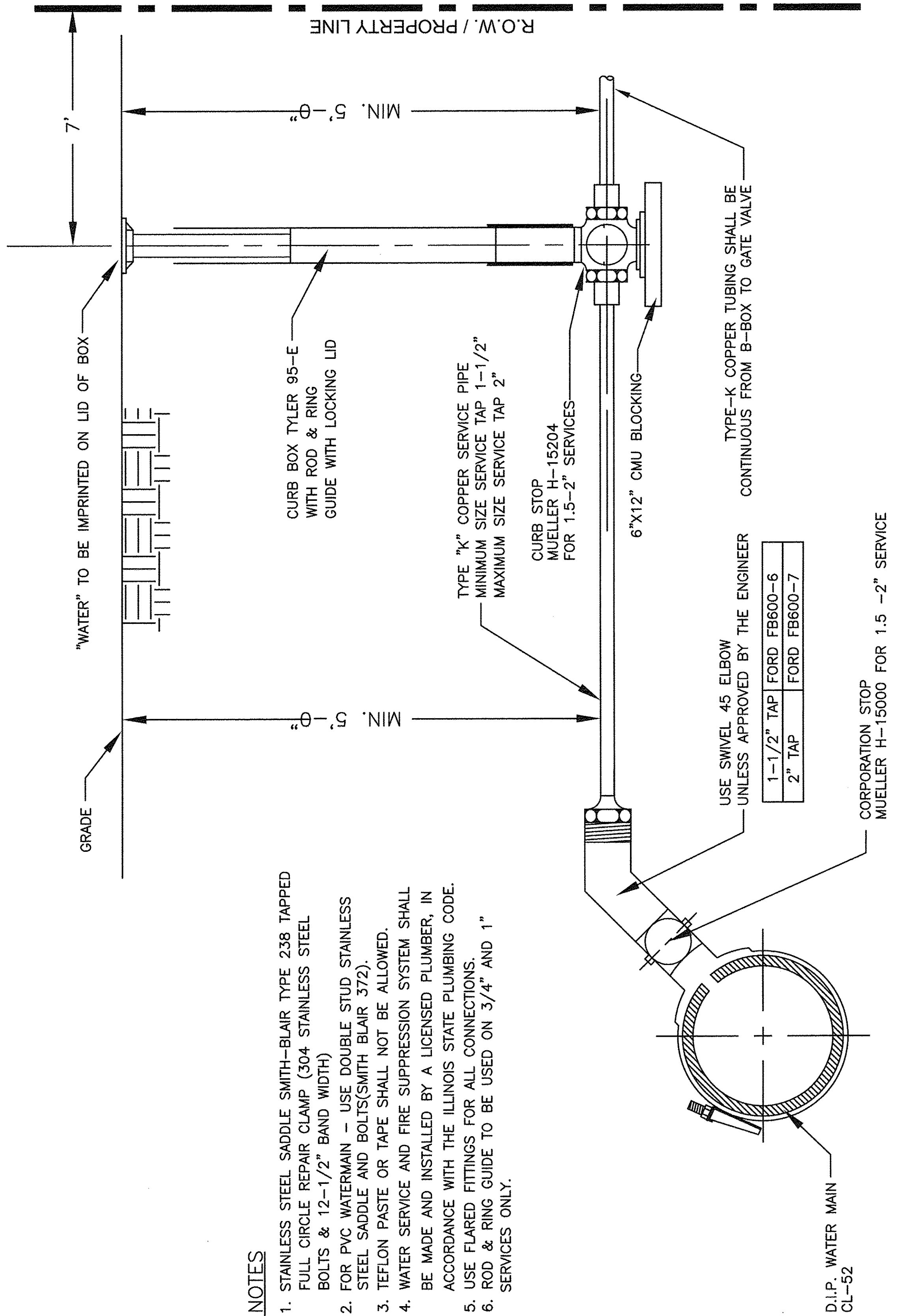
1. THE TEE AND VALVE SHALL BE MECHANICAL JOINT
2. ALL FASTENER HARDWARE (i.e., NUTS, BOLTS, RODS AND WASHERS) ASSOCIATED WITH THE FIRE HYDRANT INSTALLATION SHALL BE STAINLESS STEEL
3. THE VALVE AND TEE SHALL BE RESTRAINED BY THRUST RESTRAINT WEDGE, RETAINER GLANDS MANUFACTURED WITH TORQUE LIMITING TWIST-OFF NUTS
4. FH SHALL BE PAINTED WITH PRIMER AND TWO COATS OF RED PENNSBURRY HYDRANT HIDE 9060 OR IMPRON 7440.
5. AUXILIARY VALVE SHALL BE FULL BODIED EPOXY COATED, NON-RISING STEM, RESILIENT WEDGE GATE VALVE WITH I-FLANGED END AND I-MECHANICAL JOINT END

N.T.S.

FIRE HYDRANT INSTALLATION STANDARD

VILLAGE OF BENSenville
12 S. CENTER STREET
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REVISIONS	
SPECIFICATIONS AND DETAILS	FILE LOCATION
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NOTES

1. STAINLESS STEEL SADDLE SMITH-BLAIR TYPE 238 TAPPED FULL CIRCLE REPAIR CLAMP (304 STAINLESS STEEL BOLTS & 12-1/2" BAND WIDTH)
2. FOR PVC WATERMAIN - USE DOUBLE STUD STAINLESS STEEL SADDLE AND BOLTS(SMITH BLAIR 372).
3. TEFLON PASTE OR TAPE SHALL NOT BE ALLOWED.
4. WATER SERVICE AND FIRE SUPPRESSION SYSTEM SHALL BE MADE AND INSTALLED BY A LICENSED PLUMBER, IN ACCORDANCE WITH THE ILLINOIS STATE PLUMBING CODE.
5. USE FLARED FITTINGS FOR ALL CONNECTIONS.
6. ROD & RING GUIDE TO BE USED ON 3/4" AND 1" SERVICES ONLY.

THIS METHOD IS ONLY TO BE USED WITH PRIOR APPROVAL FROM THE VILLAGE.

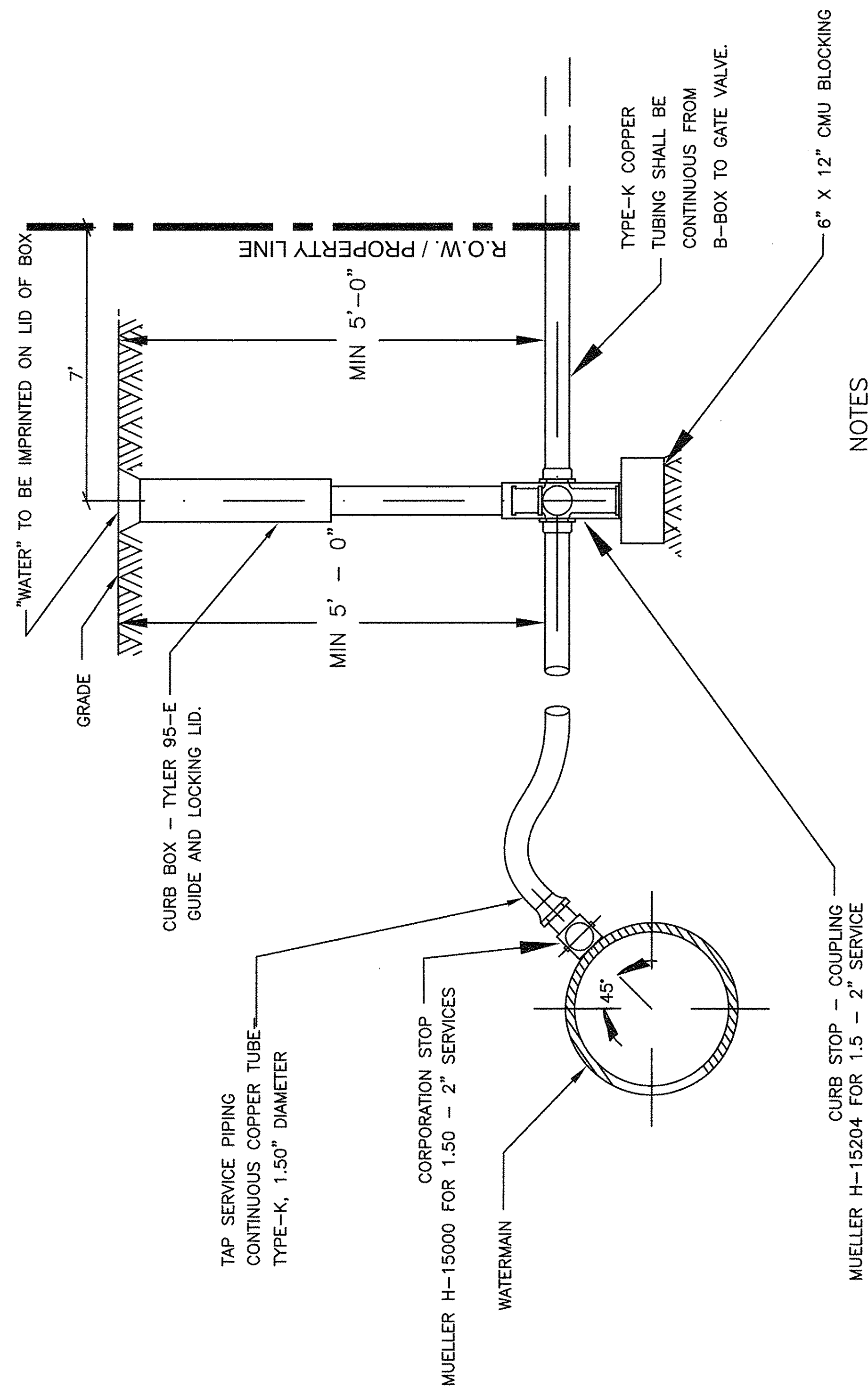
WATER SERVICE TAP (ALTERNATE) STANDARD

VILLAGE OF BENSenville
12 S. CENTER STREET
BENSenville, IL 60106
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REVISIONS	
SPECIFICATIONS AND DETAILS	FILE LOCATION
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PLAN	BY	DATE
SURVEYED		
NOTE BOOK		
ALIGNMENT CHECKED		
P.T. OF WAY CHECKED		
NO.		

PROFILE	BY	DATE
PROTECTED		
GRADES CHECKED		
BLM. NOTED		
NO.		

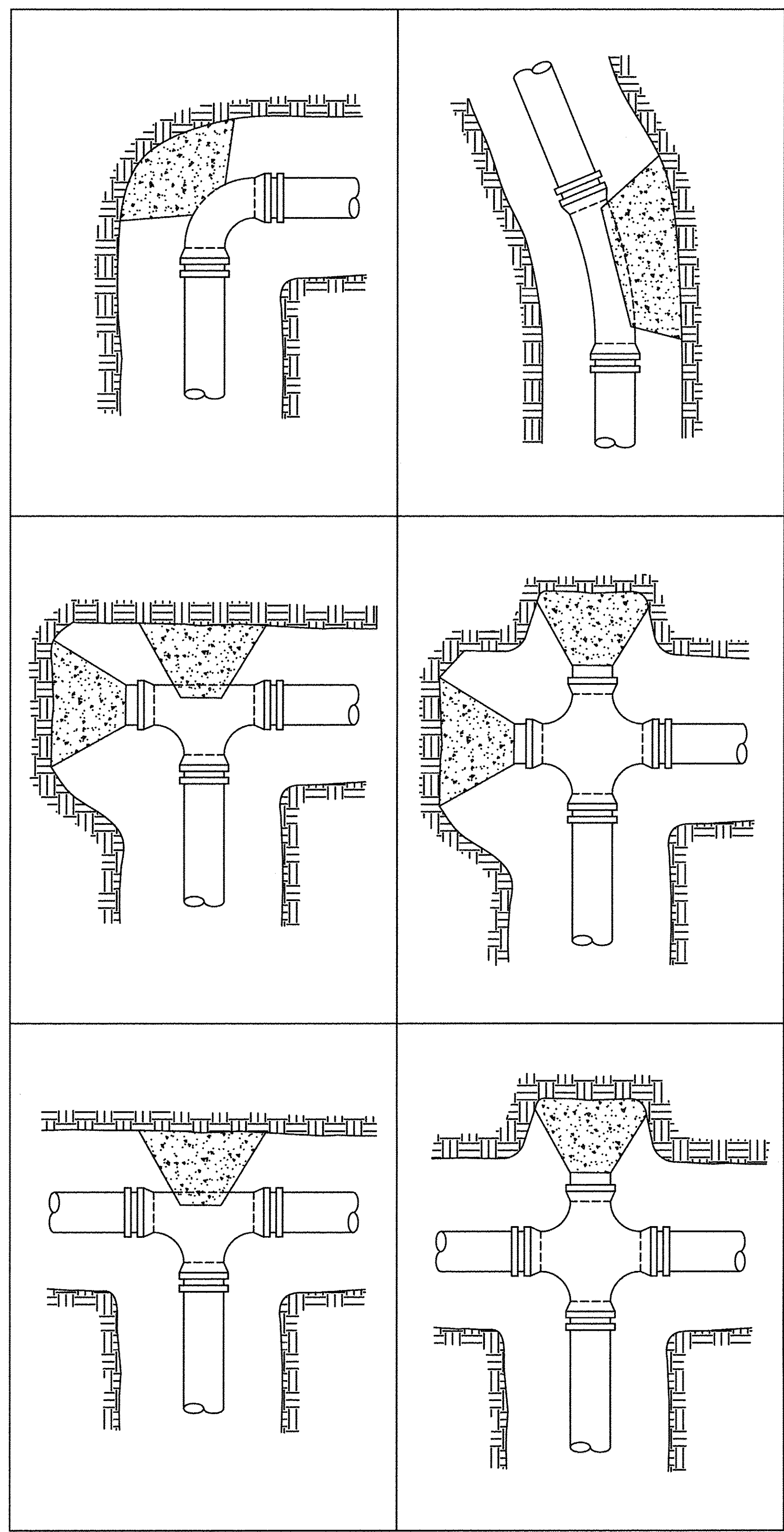


- NOTES**
1. STAINLESS STEEL SADDLE SMITH-BLAIR TYPE 238 TAPPED FULL CIRCLE REPAIR CLAMP (304 STAINLESS STEEL BOLTS & 12-1/2" BAND WIDTH)
 2. FOR PVC WATERMAIN - USE DOUBLE STUD STAINLESS STEEL SADDLE AND BOLTS(SMITH BLAIR 372).
 3. TEFLON PASTE OR TAPE SHALL NOT BE ALLOWED.
 4. WATER SERVICE AND FIRE SUPPRESSION SYSTEM SHALL BE MADE AND INSTALLED BY A LICENSED PLUMBER, IN ACCORDANCE WITH THE ILLINOIS STATE PLUMBING CODE.
 5. USE FLARED FITTINGS FOR ALL CONNECTIONS.
 6. ROD & RING GUIDE TO BE USED ON 3/4" AND 1" SERVICES ONLY.

**WATER SERVICE (PREFERRED)
CONNECTION STANDARD**

VILLAGE OF BENSENVILLE
12 S. CENTER STREET
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REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
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- NOTE**
1. ALL BLOCKING SHALL BE CONSTRUCTED WITH POURED CLASS X CONCRETE AGAINST UNDISTURBED VERTICAL EARTH FACE WITH A MINIMUM WIDTH OF 12 INCHES.
 2. RESTRAINED JOINTS AND THRUST BLOCKS TO BE USED AT ALL BENDS, AT TEES AND AT CROSSES AS SHOWN ABOVE, OR AS REQUIRED PER THE VILLAGE ENGINEER.
 3. THE FITTINGS SHALL BE MECHANICAL JOINT.
 4. OTHER METHODS MAY BE USED AS AN ALTERNATIVE WHEN APPROVED BY THE VILLAGE ENGINEER.
 5. ALL FASTENER HARDWARE (i.e. NUTS, BOLTS, AND WASHERS) ASSOCIATED WITH FITTINGS SHALL BE STAINLESS STEEL.
 6. ALL FITTINGS SHALL BE RESTRAINED BY THRUST RESTRAINT WEDGE, RETAINER GLANDS MANUFACTURED WITH TORQUE LIMITING TWIST-OFF NUTS.

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**THRUST BLOCK
STANDARD**

REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
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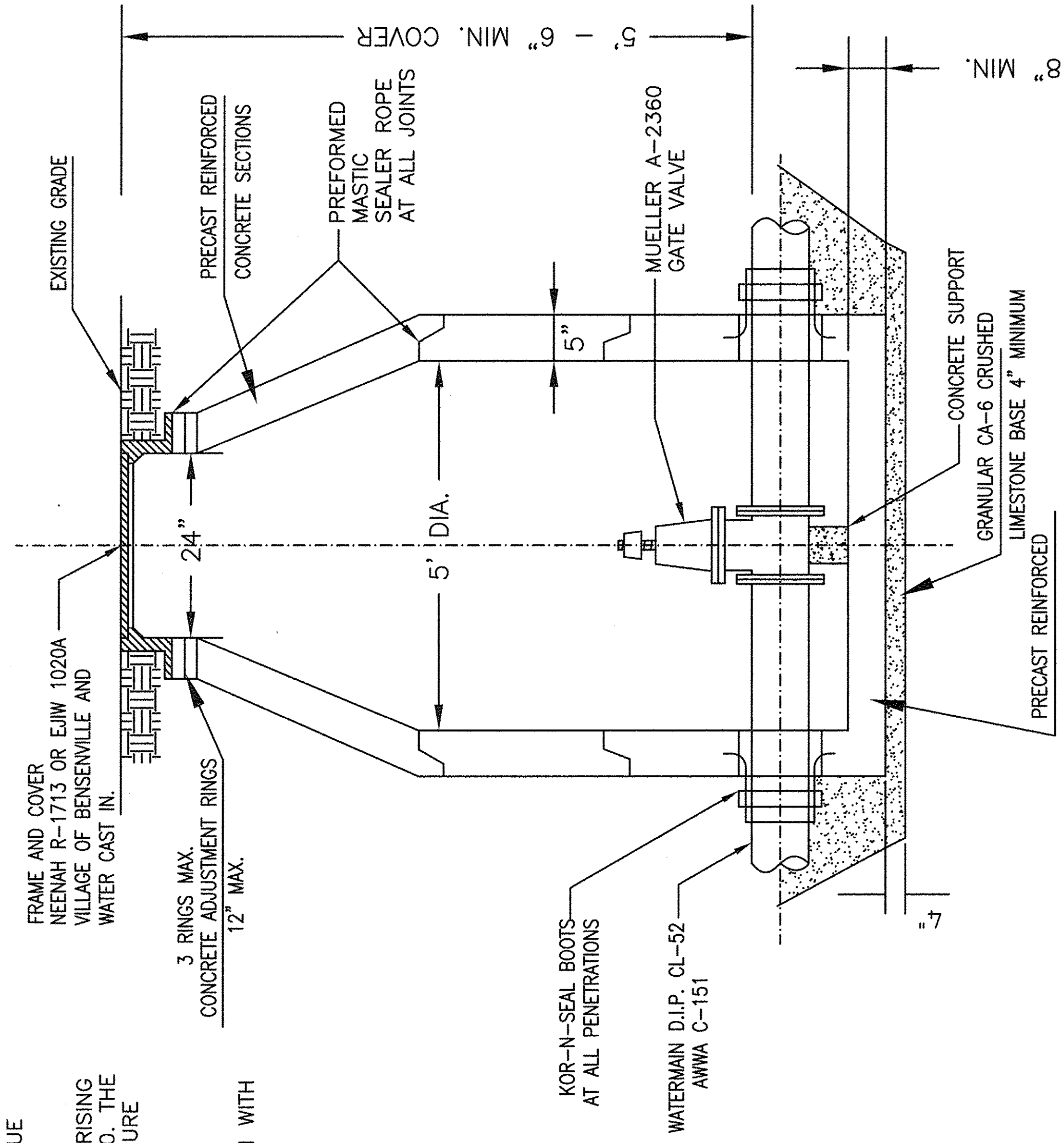
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	144
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	FORWARDED	BY	DATE
NO.	NO.		
	ALIGNED		
	CHECKED		
	DATE		

PROFILE	FORWARDED	BY	DATE
NO.	NO.		
	GRADES		
	CHECKED		
	DATE		

- NOTE:
1. THE VALVE SHALL HAVE MECHANICAL JOINTS.
 2. ALL FASTENER HARDWARE (i.e. NUTS, BOLTS, & WASHERS) ASSOCIATED WITH THIS VALVE SHALL BE STAINLESS STEEL.
 3. STEPS ARE NOT ALLOWED IN WATERMAIN VAULTS.
 4. THE VALVE SHALL BE RESTRAINED BY THRUST RESTRAINT WEDGE, RETAINER GLANDS MANUFACTURED WITH TORQUE LIMITING TWIST-OFF NUTS
 5. VALVE SHALL BE FULL BODIED EPOXY COATED, NON-RISING STEM, RESILIENT WEDGE GATE VALVE MUELLER A-2360. THE VALVE SHALL HAVE NAME, SIZE, AND WORKING PRESSURE CAST IN.
 6. VALVE VAULT SHALL BE WATER-TIGHT.
 7. IF PVC WATERMAIN IS PROPOSED, IT SHALL CONFORM WITH AWWA C-900 STANDARDS.



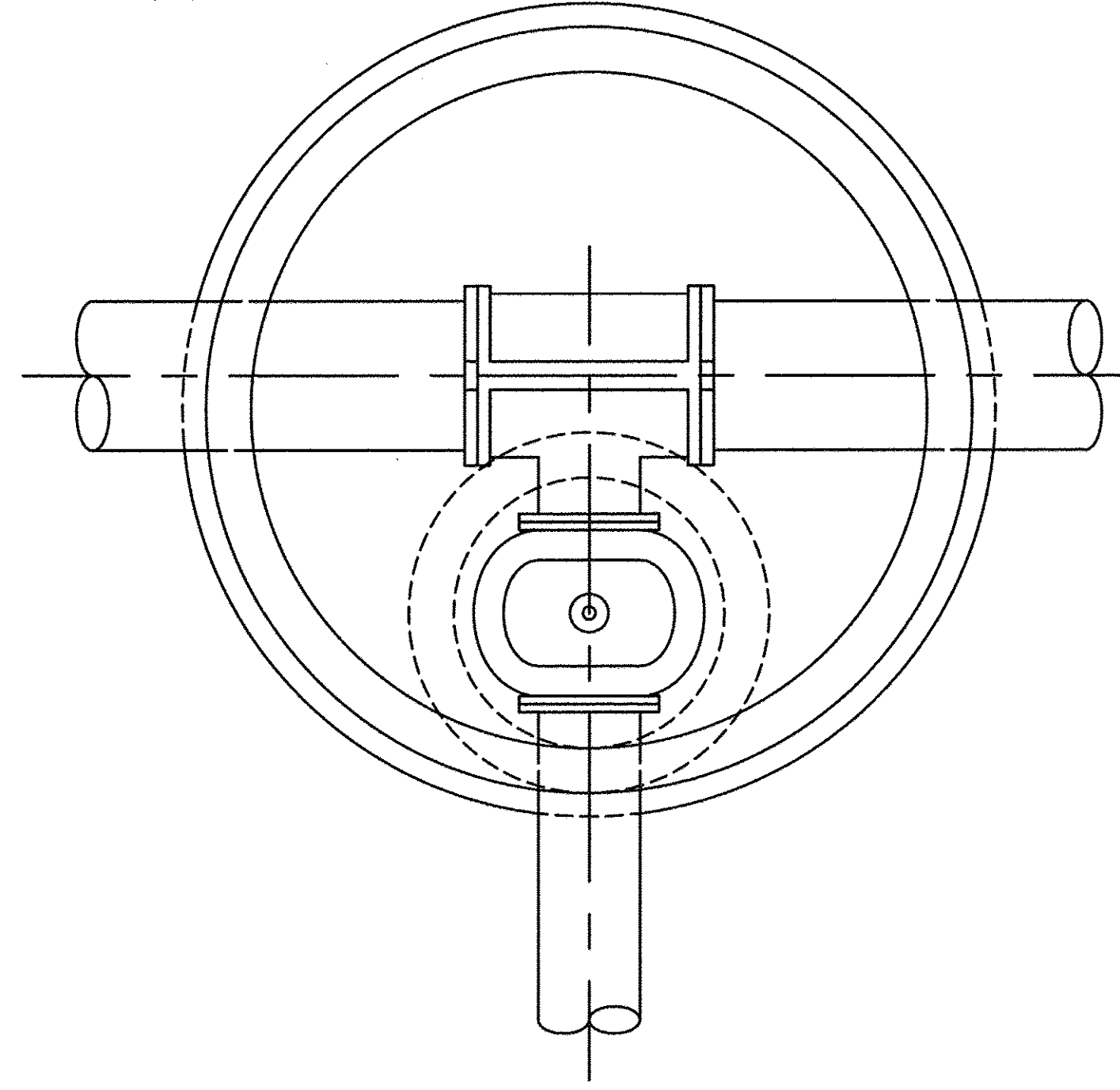
**VALVE VAULT
(PREFERRED) STANDARD**

VILLAGE OF BENSENVILLE
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REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
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CONCENTRIC CONE CAN BE USED INSTEAD OF ECCENTRIC CONE



SECTION A - A

- NOTE:
1. THE TAPPING SLEEVE SHALL BE DUCTILE IRON.
 2. ALL FASTENER HARDWARE (i.e. NUTS, BOLTS, AND WASHERS) ASSOCIATED WITH THIS TAP SHALL BE STAINLESS STEEL.
 3. STEPS ARE NOT ALLOWED IN WATERMAIN VAULTS.
 4. THE VALVE SHALL BE RESTRAINED BY THRUST RESTRAINT WEDGE, RETAINER GLANDS MANUFACTURED WITH TORQUE LIMITING TWIST-OFF NUTS.
 5. TAPPING VALVE SHALL BE FULL BODIED EPOXY COATED, NON-RISING STEM, RESILIENT WEDGE GATE VALVE MUELLER A-2360 WITH I-FLANGE END AND I-MECHANICAL JOINT END.
 6. VALVE VAULT SHALL BE WATER-TIGHT.
 7. PROVIDE KOR-N-SEAL BOOTS AT ALL PENETRATIONS.

** THIS STANDARD ONLY TO BE USED WITH PRIOR APPROVAL FROM THE VILLAGE**

**VALVE VAULT (PRESSURE
CONNECTION) STANDARD**

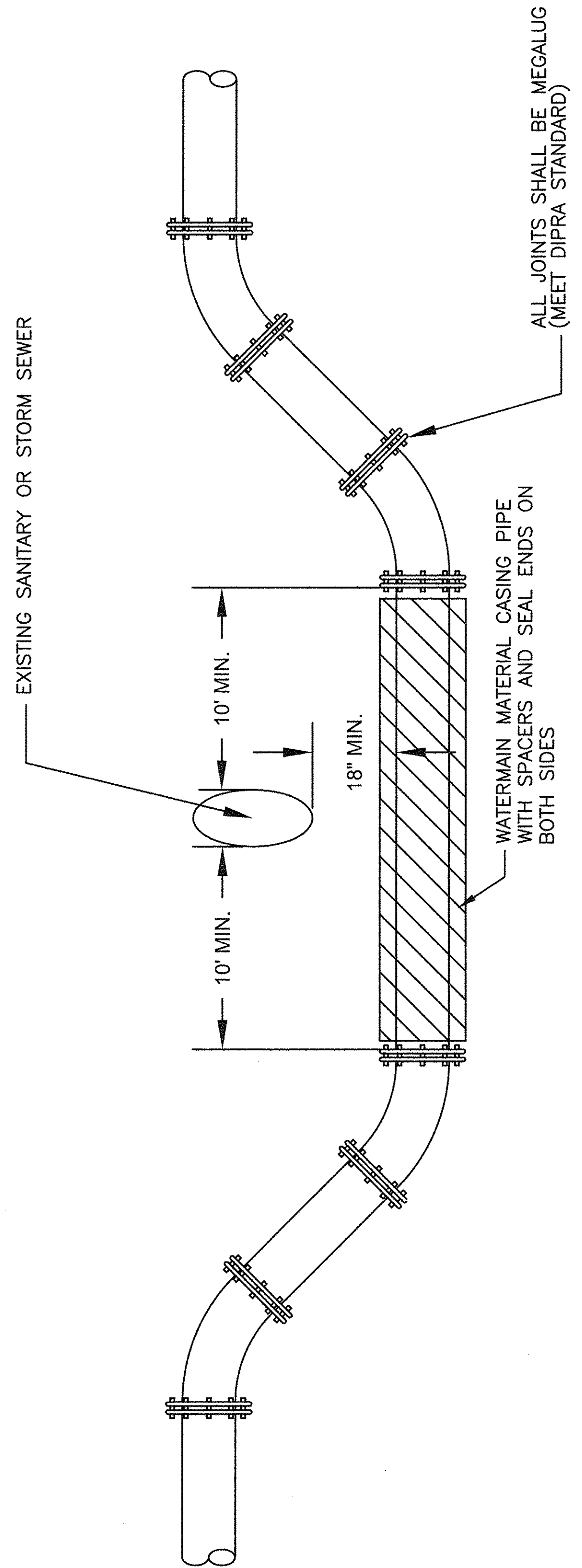
VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, IL 60106
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REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
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PLAN	DESIGNED	BY	DATE
NO.	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	BY		
	DATE		

PROFILE	DESIGNED	BY	DATE
NO.	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	BY		
	DATE		



NOTE: ALL FASTENER HARDWARE (i.e. NUTS, BOLTS, AND WASHERS) ASSOCIATED WITH THE WATERMAIN AND CASING SPACERS SHALL BE STAINLESS STEEL.

VILLAGE OF BENSENVILLE
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WATERMAIN DEPRESSION STANDARD

REVISIONS	VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS
	FILE LOCATION
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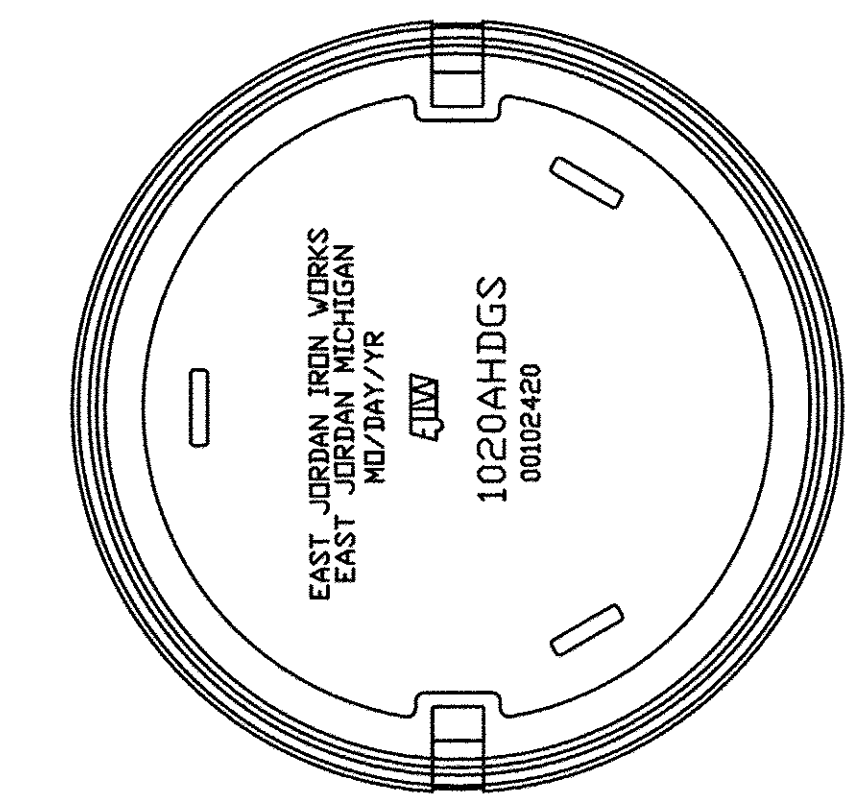
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP		163	146
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

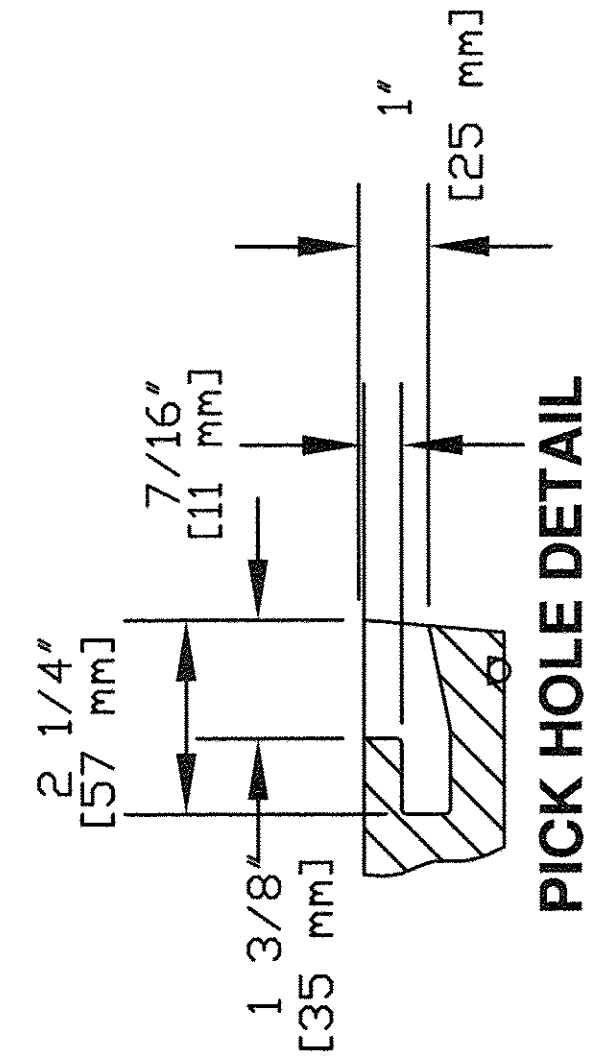
PLAN	SUBMITTED	BY	DATE
NOTE BOOK	ALIGNED		
	CHECKED		
	CADD FILE NAME		
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PROFILE	REVISIONS	BY	DATE
NOTE BOOK	PLOTTED		
	GRADES CHECKED		
	EQ. NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

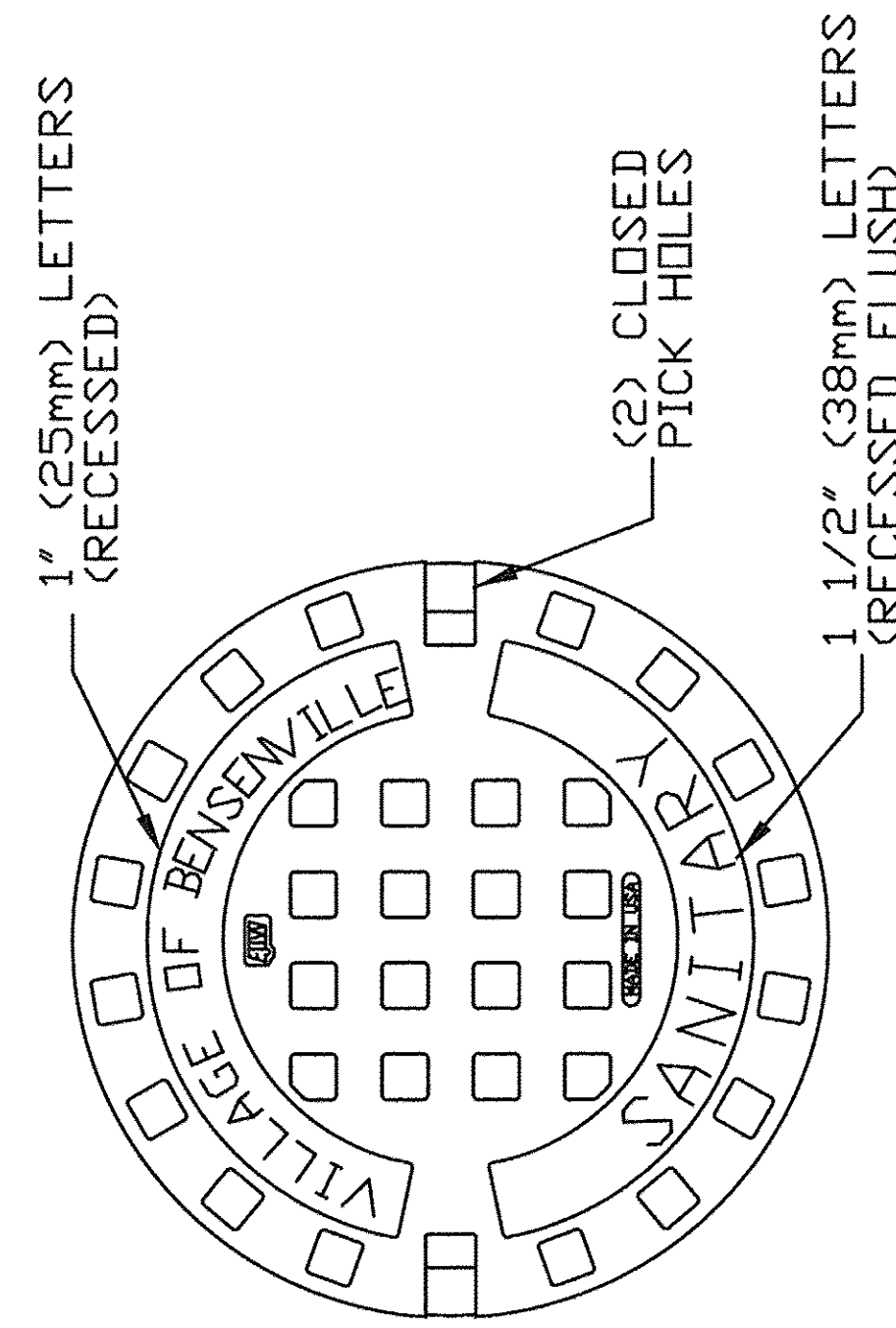
EAST JORDAN IRON WORKS, INC. P.O. BOX 439 EAST JORDAN, MI. 49727 1-800-874-4100 FAX 231-536-4458	
DRAWN SMH	DATE 11/11/02
APPROVED	DATE
SPECIAL LETTERED COVER	
(*) PRODUCT NO.	00102420
CATALOG NO.	(*) 1020AGS
REF. PRODUCT DRAWING	00102108
EST. WT.	COVER WT. 115 LBS. (52 kg)
OPEN AREA	N/A
MAT'L SPEC.	COVER - GRAY IRON ASTM A48 CL 35
LOAD RATING	HEAVY DUTY



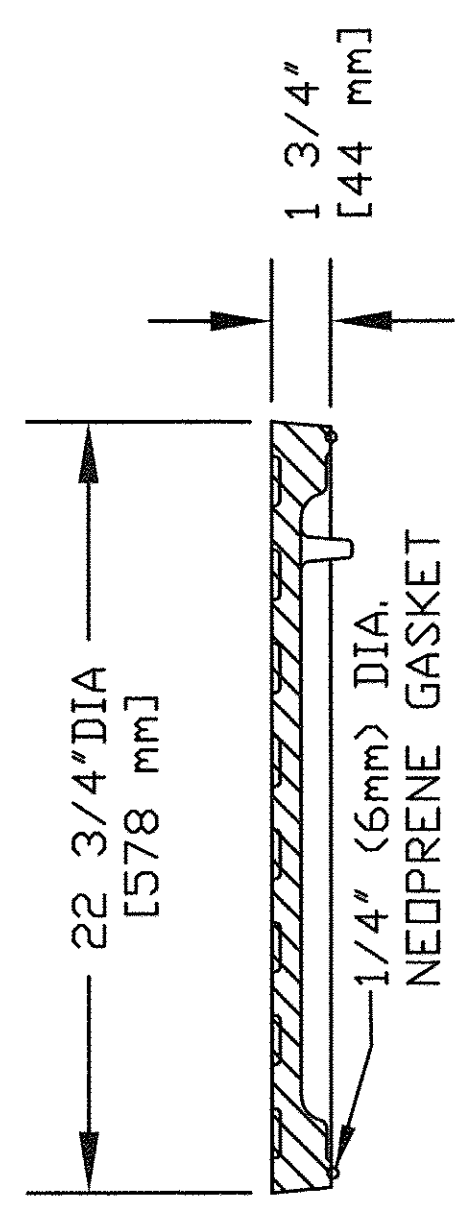
BOTTOM VIEW



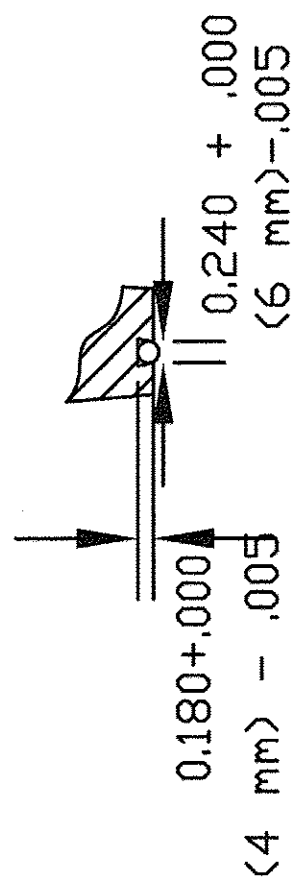
PICK HOLE DETAIL



TOP VIEW



CROSS SECTION



GROOVE DETAIL

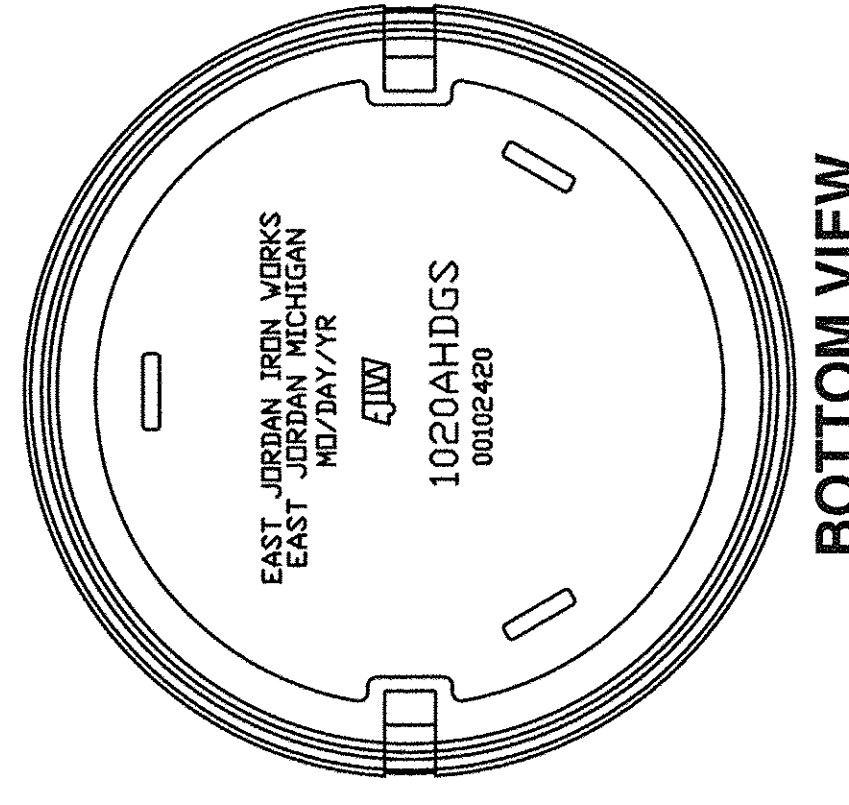
(*) OR NEENAH CATALOG R-1713 SHOP DRAWING NF-1015 T47

VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, IL 60106
WWW.BENSENVILLE.IL.US

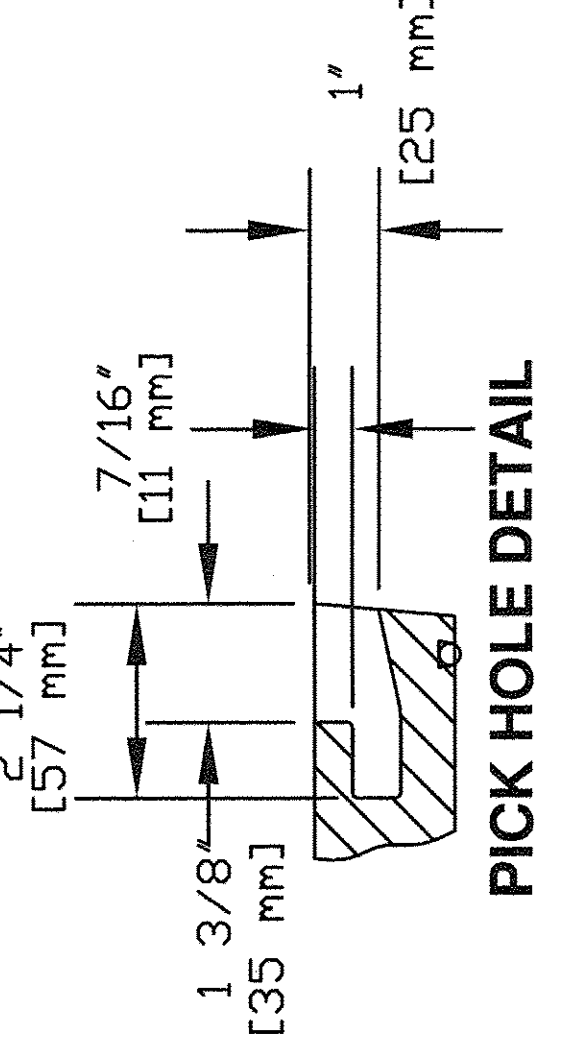
SANITARY FRAME AND LID STANDARD

REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
G:\ENGINEERING\STANDARDS\NEW STANDARDS\SANITARY	

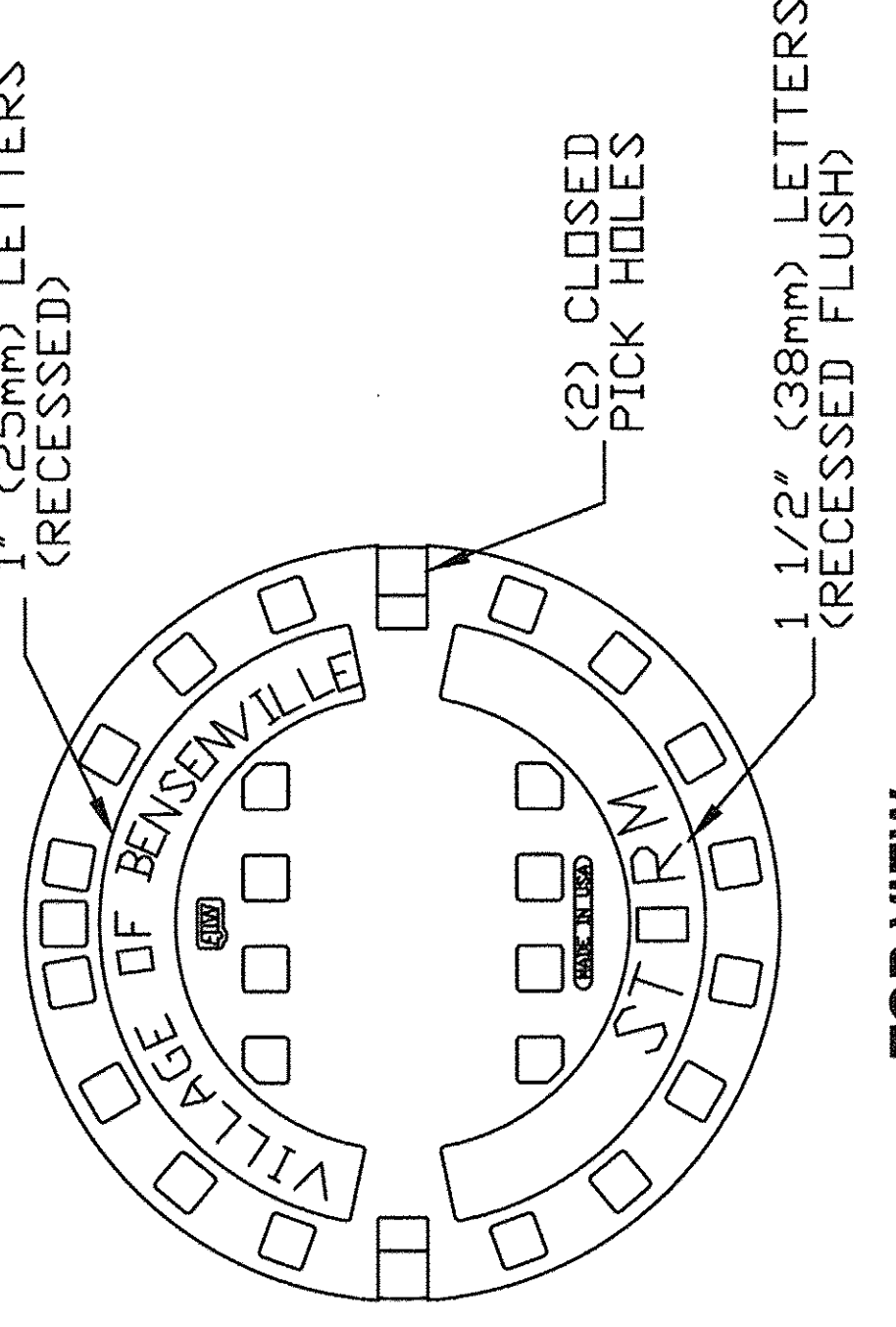
(*) EAST JORDAN IRON WORKS, INC. P.O. BOX 439 EAST JORDAN, MI. 49727 1-800-874-4100 FAX 231-536-4458	
DRAWN SMH	DATE 11/11/02
APPROVED	DATE
SPECIAL LETTERED COVER	
(*) PRODUCT NO.	00102421
CATALOG NO.	(*) 1020A
REF. PRODUCT DRAWING	102067
EST. WT.	COVER WT. 115 LBS. (52 kg)
OPEN AREA	N/A
MAT'L SPEC.	COVER - GRAY IRON ASTM A48 CL 35
LOAD RATING	HEAVY DUTY



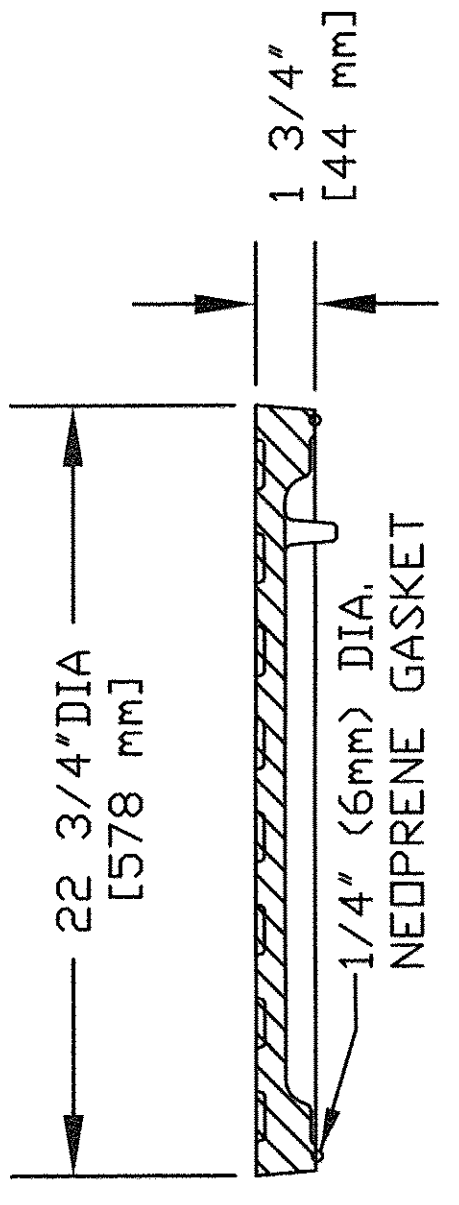
BOTTOM VIEW



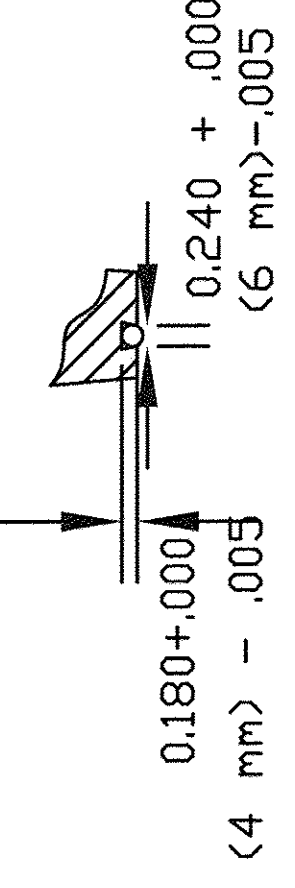
PICK HOLE DETAIL



TOP VIEW



CROSS SECTION



GROOVE DETAIL

(*) OR NEENAH CATALOG R-1713 SHOP DRAWING NF-1015 T45

VILLAGE OF BENSENVILLE
12 S. CENTER STREET
BENSENVILLE, IL 60106
WWW.BENSENVILLE.IL.US

STORM FRAME AND LID STANDARD (CLOSED)

REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
G:\ENGINEERING\STANDARDS\NEW STANDARDS\STORM	

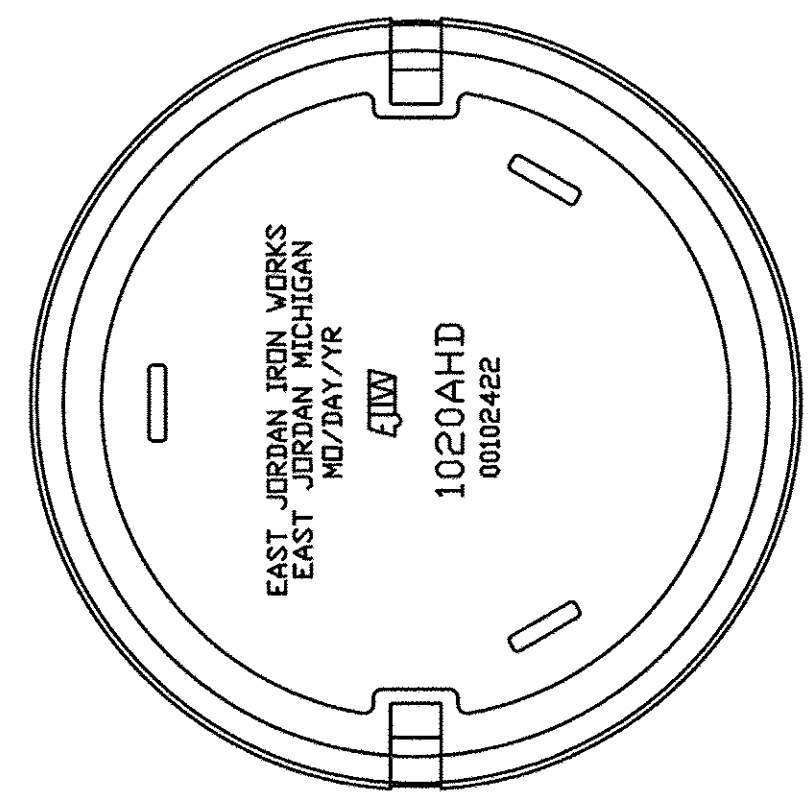
DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	147
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

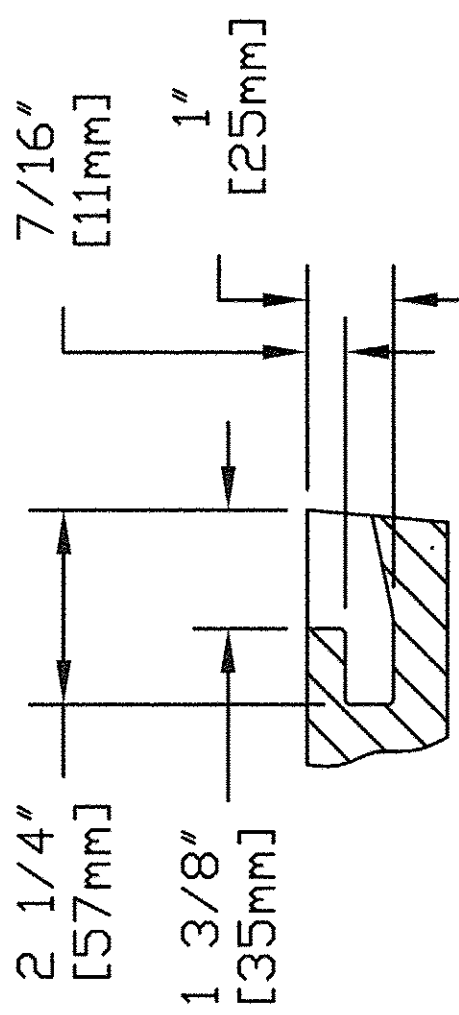
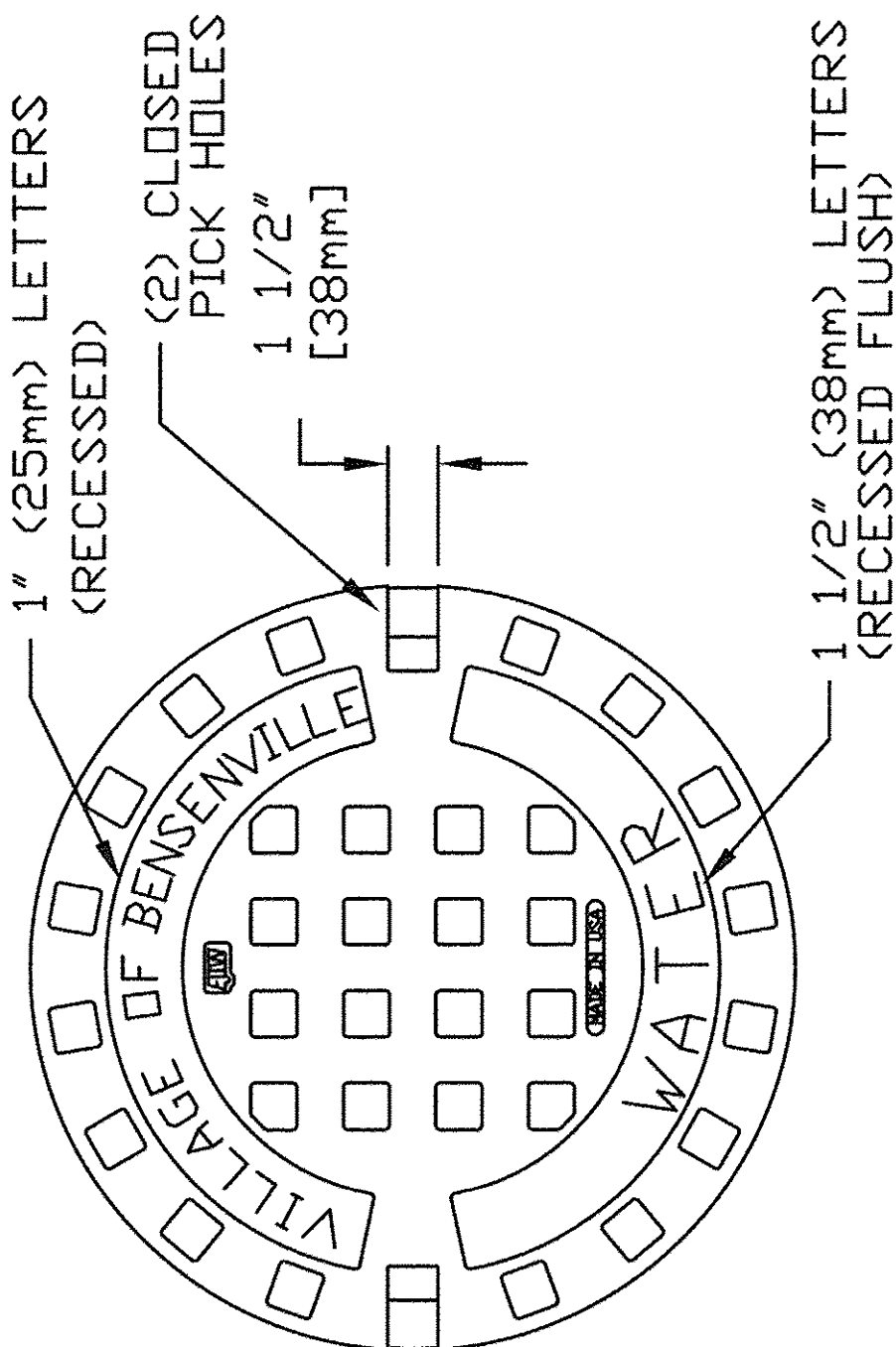
PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK		
	NO.		
	ADD. FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHECKED		
	NO.		

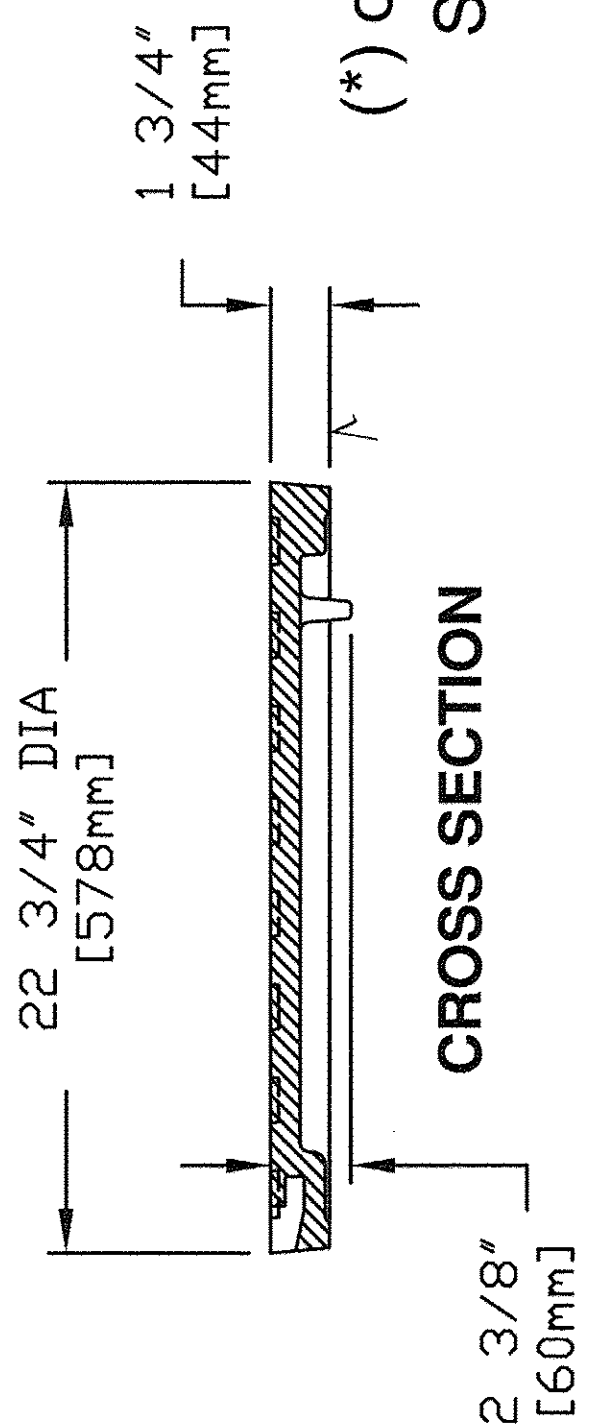
(*) EAST JORDAN IRON WORKS, INC. P.O. BOX 439 EAST JORDAN, MI. 49727 1-800-874-4100 FAX 231-536-4458	
DRAWN SMH	DATE 11/11/02
APPROVED	DATE
SPECIAL LETTERED COVER	
PRODUCT NO. 00102422	
CATALOG NO. (*) 1020A	
REF. PRODUCT DRAWING 00102067	
EST. WT. COVER WT. 115 LBS (52kg)	
OPEN AREA N/A	
MAT'L SPEC. COVER - GRAY IRON ASTM A48 CL 35	
LOAD RATING HEAVY DUTY	



BOTTOM VIEW



PICK HOLE DETAIL

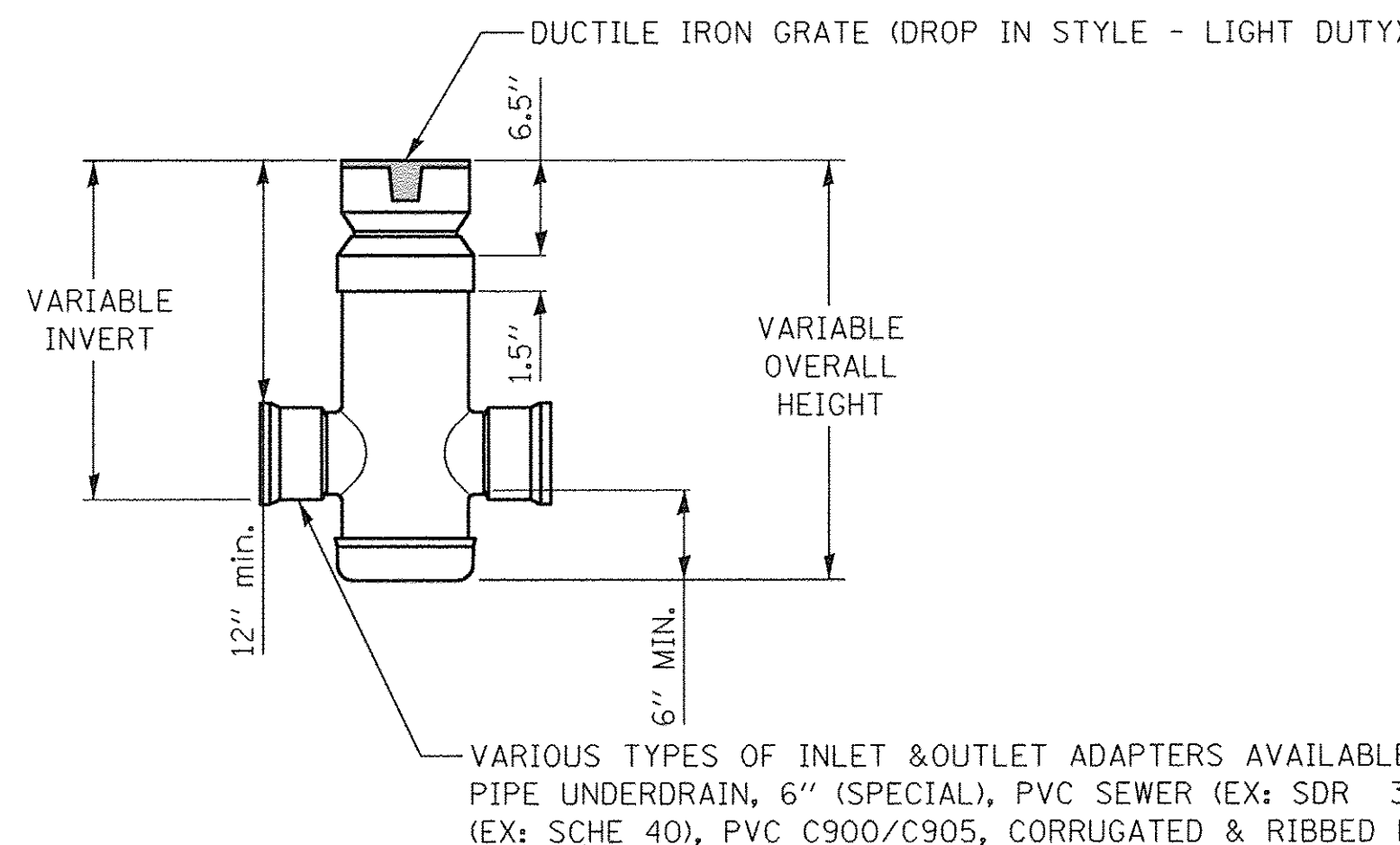


CROSS SECTION

**(*) or NEENAH CATALOG R-1713
SHOP DRAWING NF-1015 T46**

✓ MACHINED SURFACE

VILLAGE OF BENSENVILLE 12 S. CENTER STREET BENSENVILLE, IL 60706 WWW.BENSENVILLE.IL.US	
FRAME AND CLOSE LID WATER STANDARD	
REVISIONS	
VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS	
FILE LOCATION	
ENGINEERING STANDARDS NEW STANDARDS WATER	

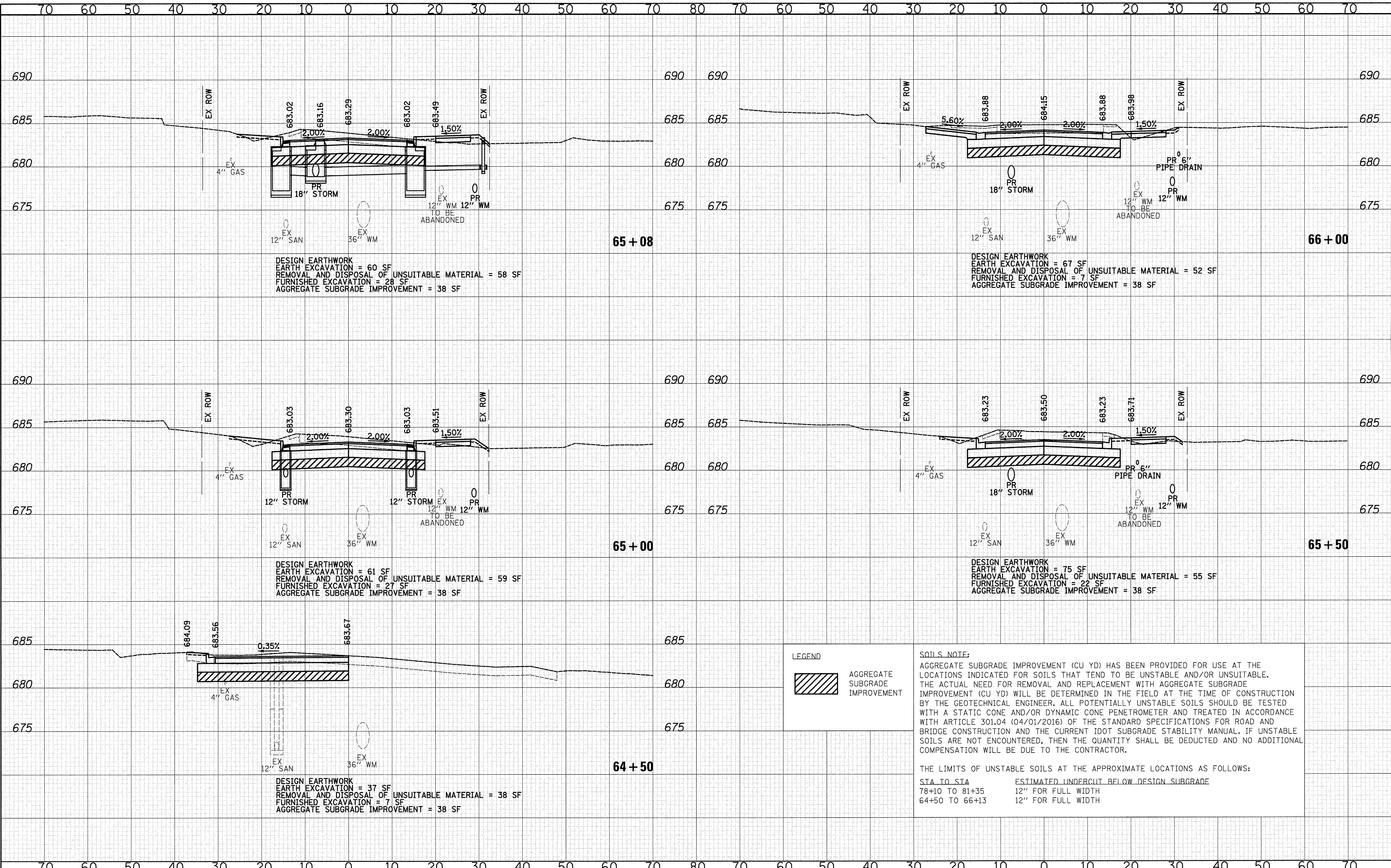


NOTES:
GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE & SDR 35 PVC.
DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.

INLETS, SPECIAL DETAIL

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	



DESIGN EARTHWORK
 EARTH EXCAVATION = 60 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 58 SF
 FURNISHED EXCAVATION = 28 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 38 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 67 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 52 SF
 FURNISHED EXCAVATION = 7 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 38 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 61 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 59 SF
 FURNISHED EXCAVATION = 27 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 38 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 75 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 55 SF
 FURNISHED EXCAVATION = 22 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 38 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 37 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 38 SF
 FURNISHED EXCAVATION = 7 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 38 SF

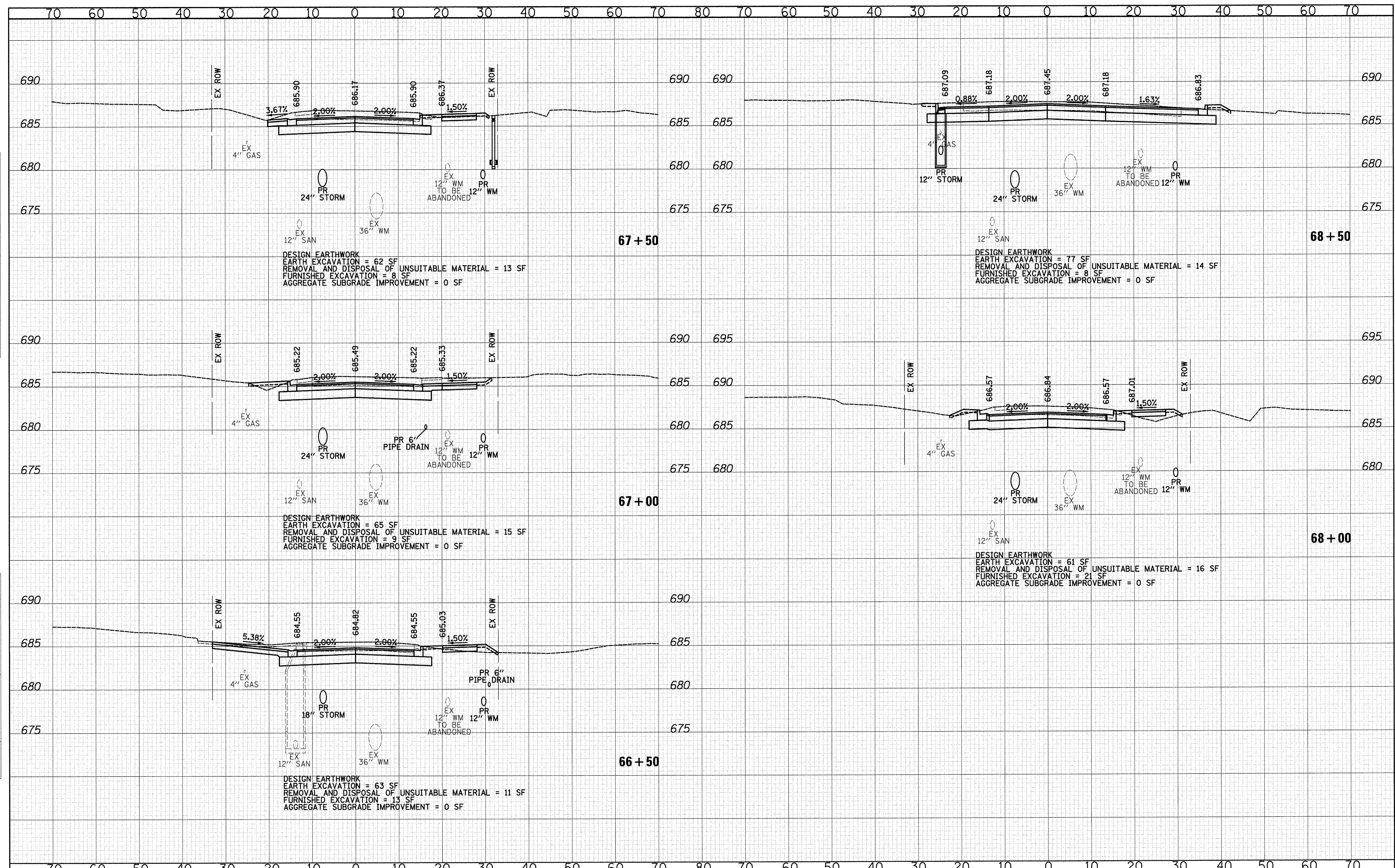
LEGEND
 AGGREGATE SUBGRADE IMPROVEMENT

SOILS NOTE:
 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (04/01/2016) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS AT THE APPROXIMATE LOCATIONS AS FOLLOWS:
 STA TO STA ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
 78+10 TO 81+35 12" FOR FULL WIDTH
 64+50 TO 66+13 12" FOR FULL WIDTH

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	
NO.	
NO.	
NO.	
NO.	

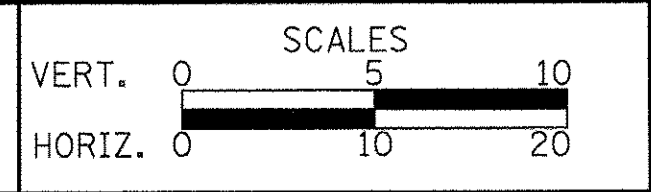
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	
NO.	
NO.	
NO.	
NO.	



CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



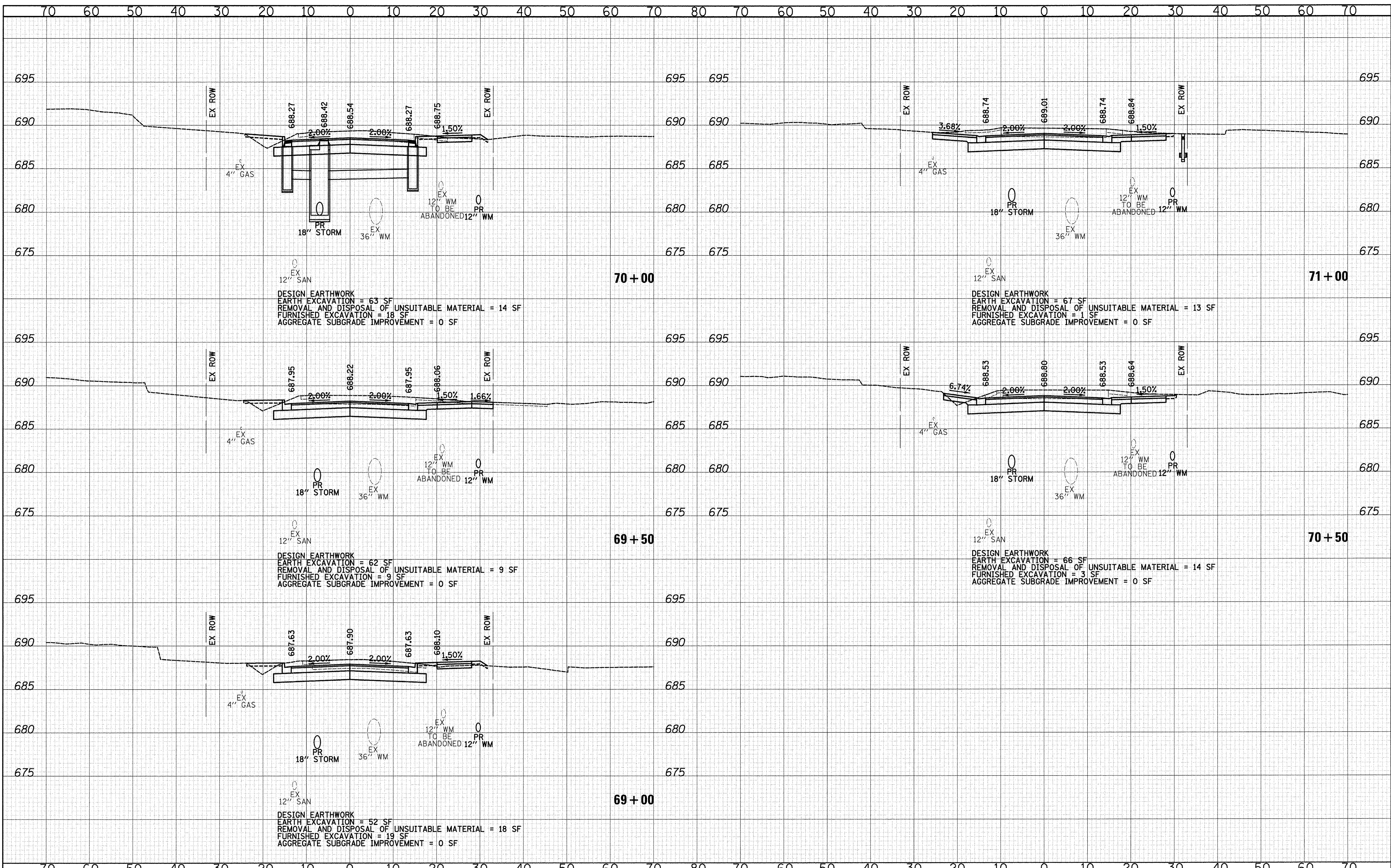
CROSS SECTIONS

SHEET NO. 2 OF 15 SHEETS STA. 66+50 TO STA. 68+50

F.A.U. RTE. 2667	SECTION 16-00094-00-FP	COUNTY DUPAGE	TOTAL SHEETS 163	SHEET NO. 150
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 FINAL SURVEY _____
 NOTE BOOK _____
 NO. _____

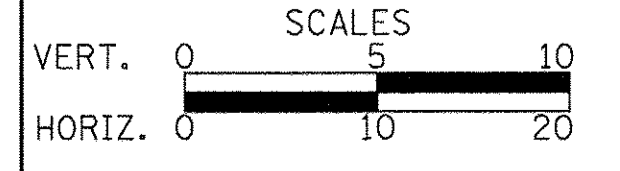
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 ORIGINAL SURVEY _____
 NOTE BOOK _____
 NO. _____



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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS

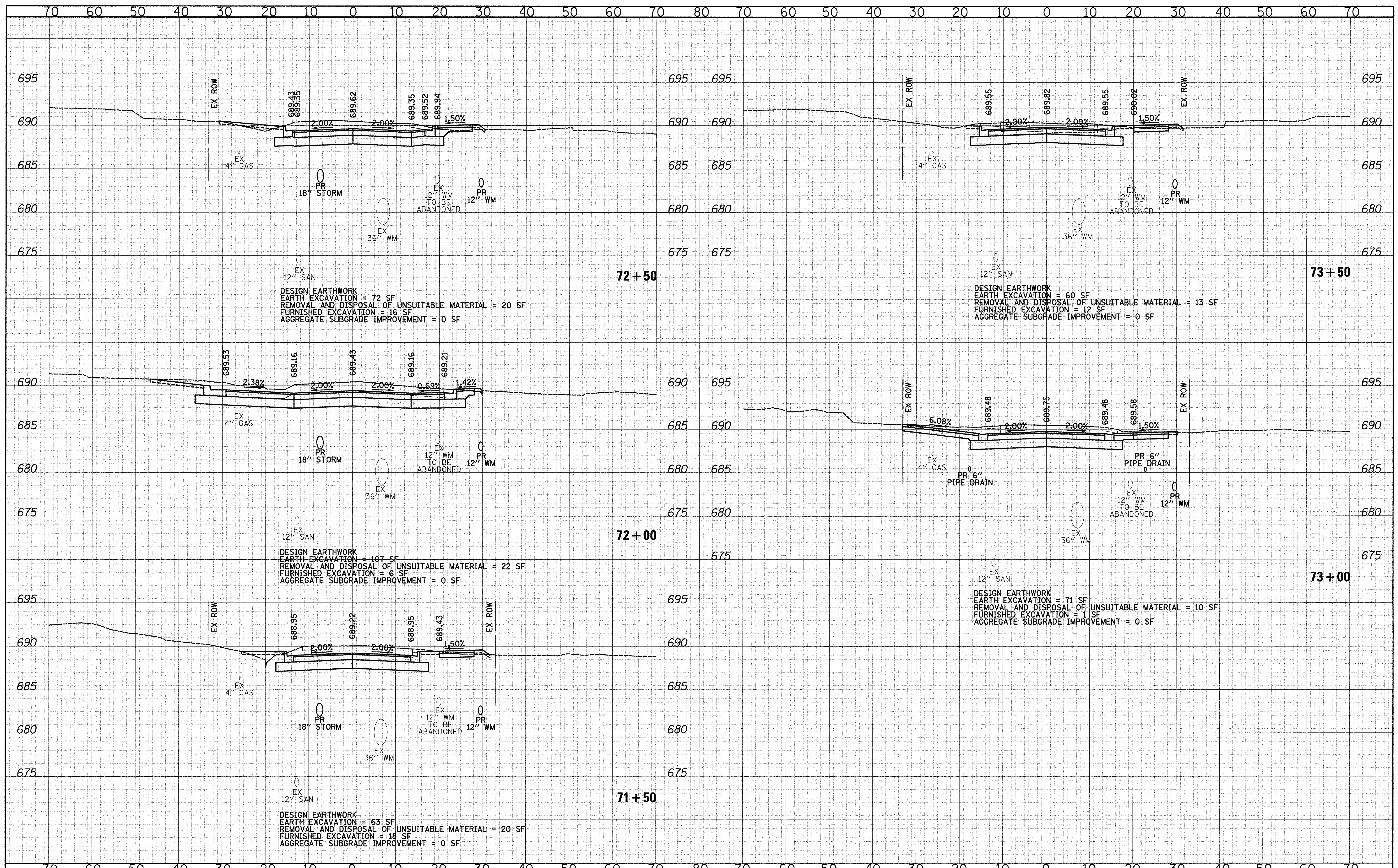
SHEET NO. 3 OF 15 SHEETS STA. 69+00 TO STA. 71+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	151
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION = 72 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 20 SF
 FURNISHED EXCAVATION = 16 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 107 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 22 SF
 FURNISHED EXCAVATION = 6 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 63 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 20 SF
 FURNISHED EXCAVATION = 18 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

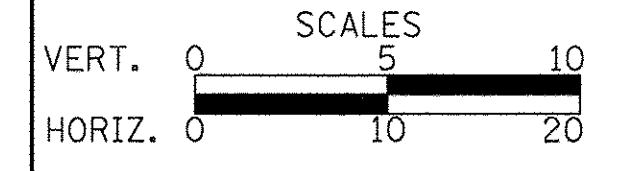
DESIGN EARTHWORK
 EARTH EXCAVATION = 60 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 12 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 71 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 10 SF
 FURNISHED EXCAVATION = 1 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



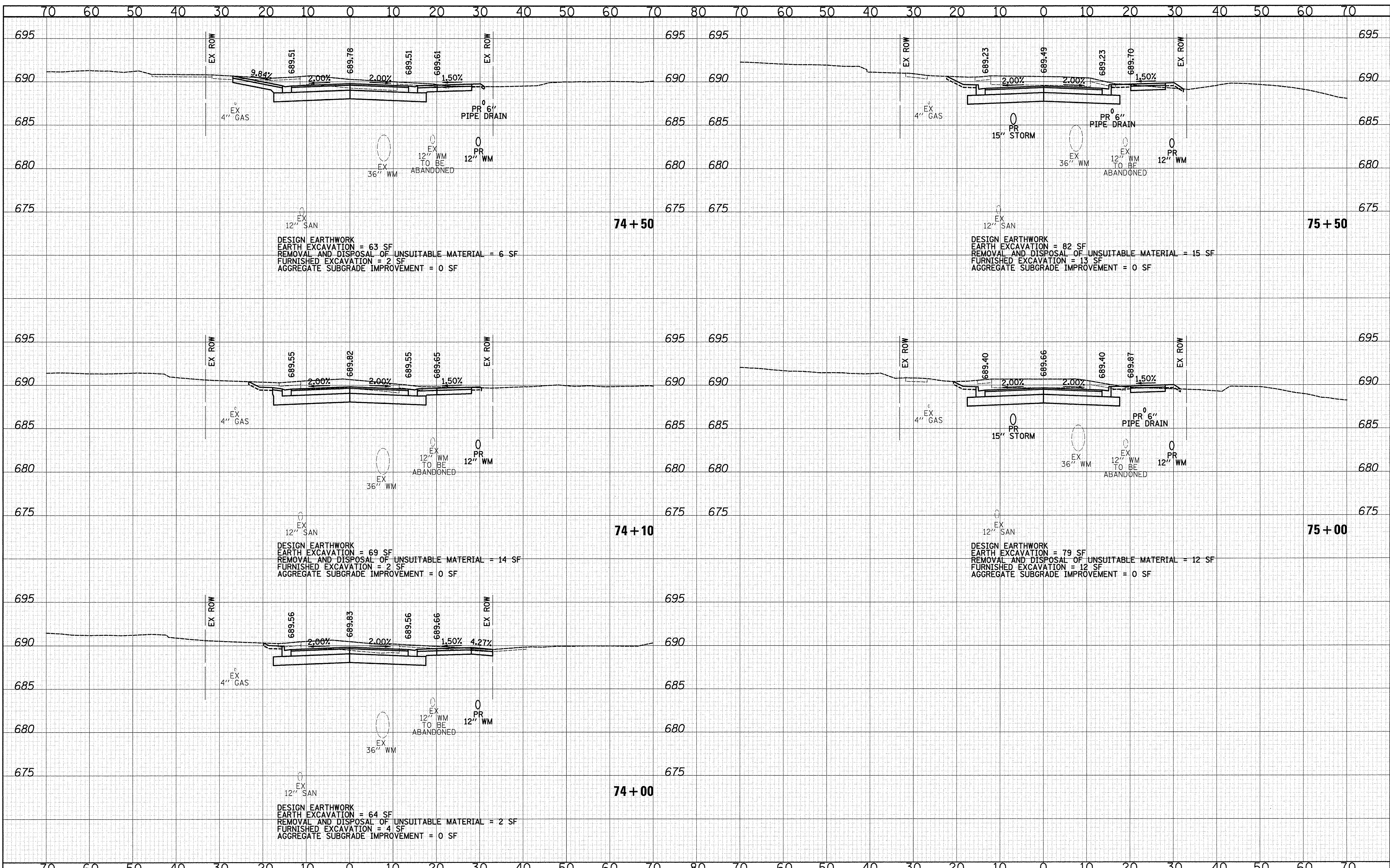
CROSS SECTIONS

SHEET NO. 4 OF 15 SHEETS STA. 71+50 TO STA. 73+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	152
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE _____ BY _____
 SURVEYED _____ PLOTTED _____
 ORIGINAL SURVEY _____ NOTE BOOK _____
 NO. _____ AREAS CHECKED _____

DATE _____ BY _____
 SURVEYED _____ PLOTTED _____
 ORIGINAL SURVEY _____ NOTE BOOK _____
 NO. _____ AREAS CHECKED _____



DESIGN EARTHWORK
 EARTH EXCAVATION = 63 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 6 SF
 FURNISHED EXCAVATION = 2 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 69 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 14 SF
 FURNISHED EXCAVATION = 2 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 64 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 2 SF
 FURNISHED EXCAVATION = 4 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 82 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 15 SF
 FURNISHED EXCAVATION = 13 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 79 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 12 SF
 FURNISHED EXCAVATION = 12 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

CIVILTECH
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 Itasca, Illinois 60143
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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

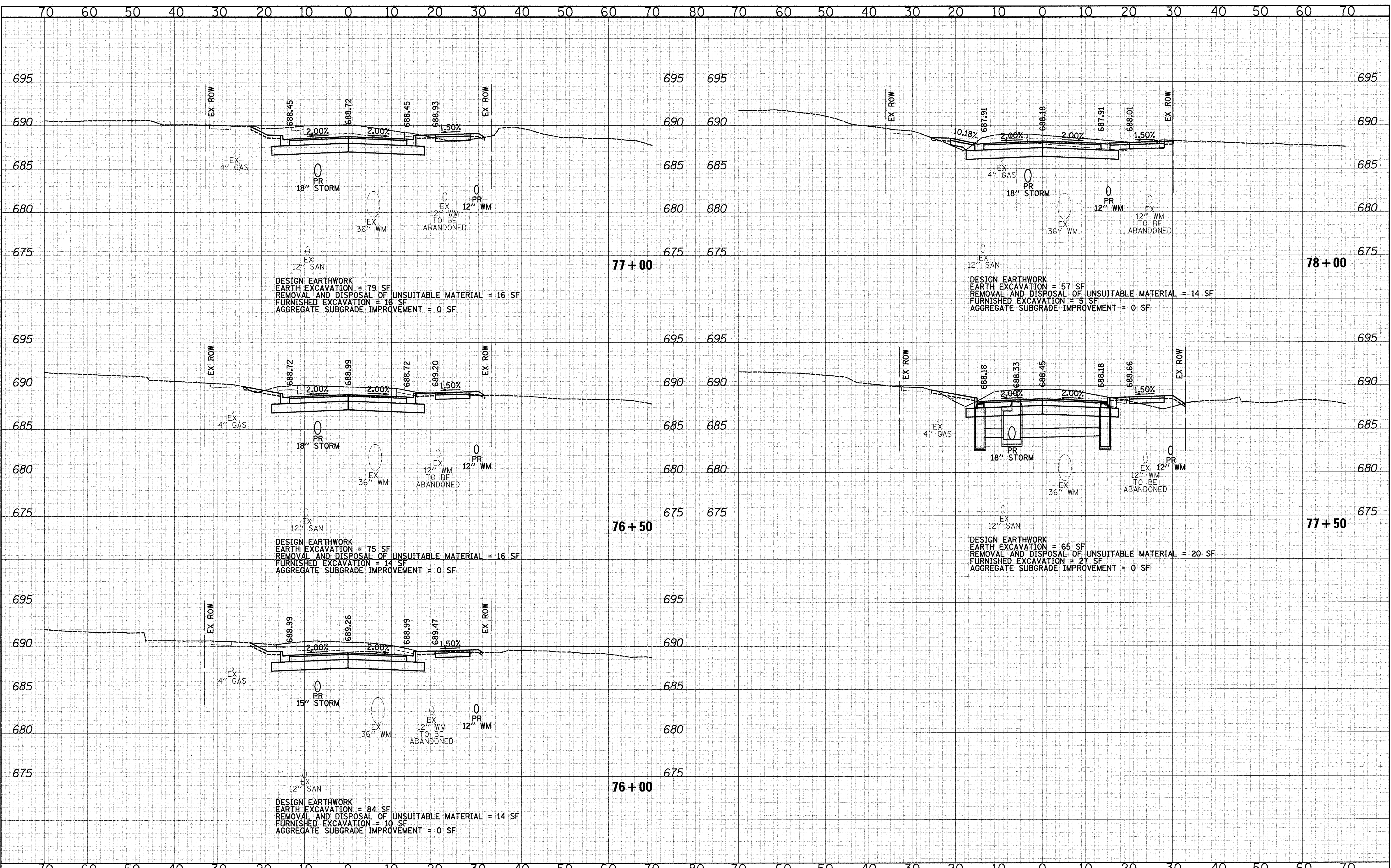
VERT. 0 5 10
 HORIZ. 0 10 20
 SCALES

CROSS SECTIONS
 SHEET NO. 5 OF 15 SHEETS STA. 74+00 TO STA. 75+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	153
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 FINAL SURVEY _____
 NOTE BOOK _____
 NO. _____

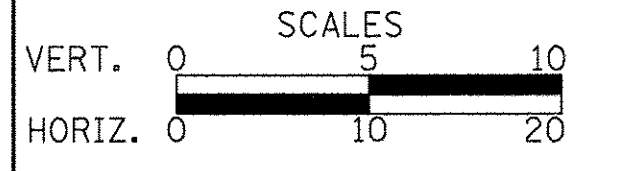
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 ORIGINAL SURVEY _____
 NOTE BOOK _____
 NO. _____



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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



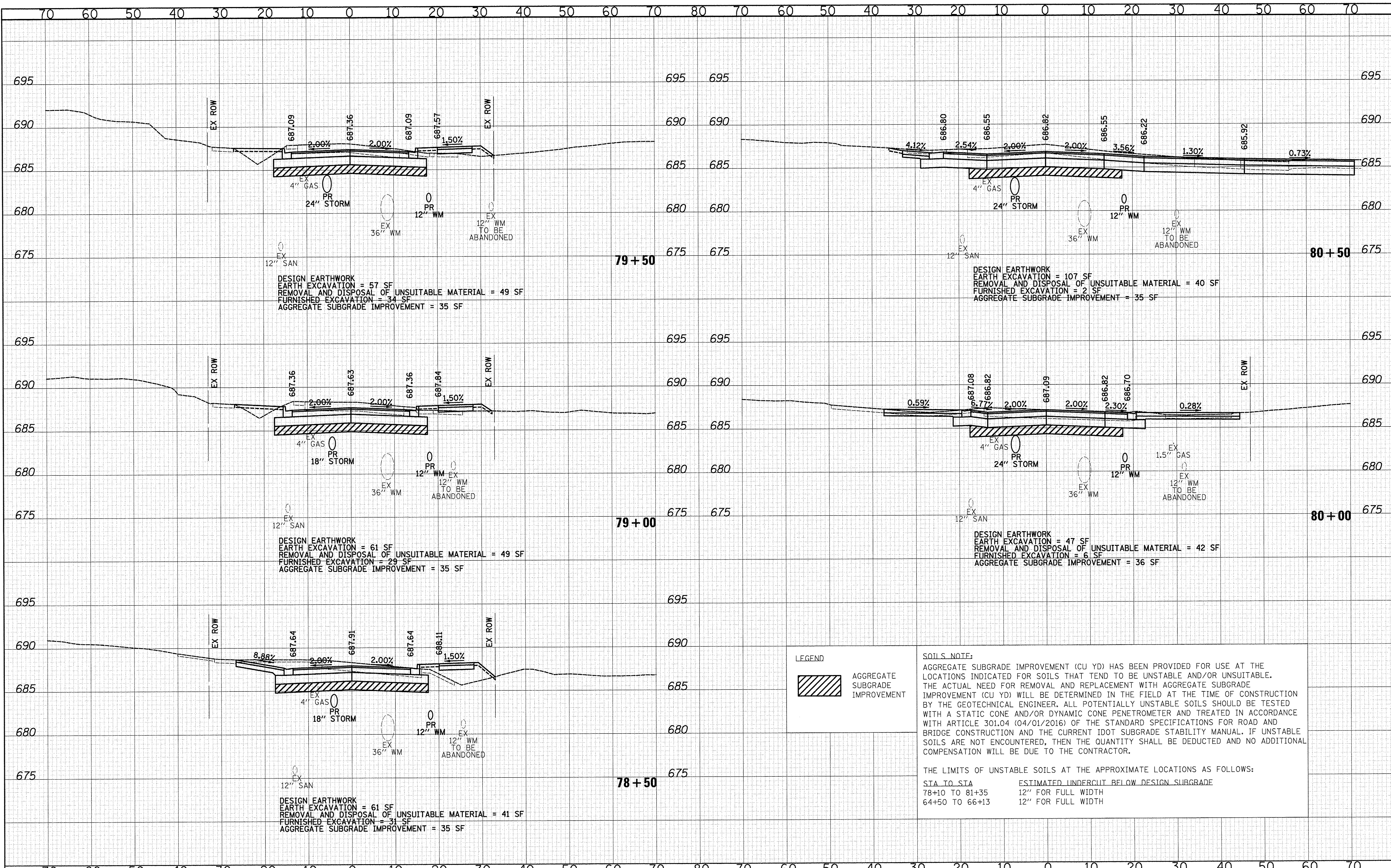
CROSS SECTIONS

SHEET NO. 6 OF 15 SHEETS STA. 76+00 TO STA. 78+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	154
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE _____ BY _____
 SURVEYED _____ PLOTTED _____
 FINAL SURVEY _____ NOTE BOOK _____
 NO. _____ AREAS CHECKED _____

DATE _____ BY _____
 SURVEYED _____ PLOTTED _____
 ORIGINAL SURVEY _____ NOTE BOOK _____
 NO. _____ AREAS CHECKED _____




DESIGN EARTHWORK
 EARTH EXCAVATION = 57 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 49 SF
 FURNISHED EXCAVATION = 34 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 35 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 107 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 40 SF
 FURNISHED EXCAVATION = 2 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 35 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 61 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 49 SF
 FURNISHED EXCAVATION = 29 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 35 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 47 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 42 SF
 FURNISHED EXCAVATION = 6 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 36 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 61 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 41 SF
 FURNISHED EXCAVATION = 31 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 35 SF

LEGEND
 AGGREGATE SUBGRADE IMPROVEMENT

SOILS NOTE:
 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (04/01/2016) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS AT THE APPROXIMATE LOCATIONS AS FOLLOWS:
 STA TO STA ESTIMATED UNDERCLUT BELOW DESIGN SURGRADE
 78+10 TO 81+35 12" FOR FULL WIDTH
 64+50 TO 66+13 12" FOR FULL WIDTH

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
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DESIGNED - JRR
 DRAWN - TFS
 CHECKED - RTM
 DATE - 12/2/2016

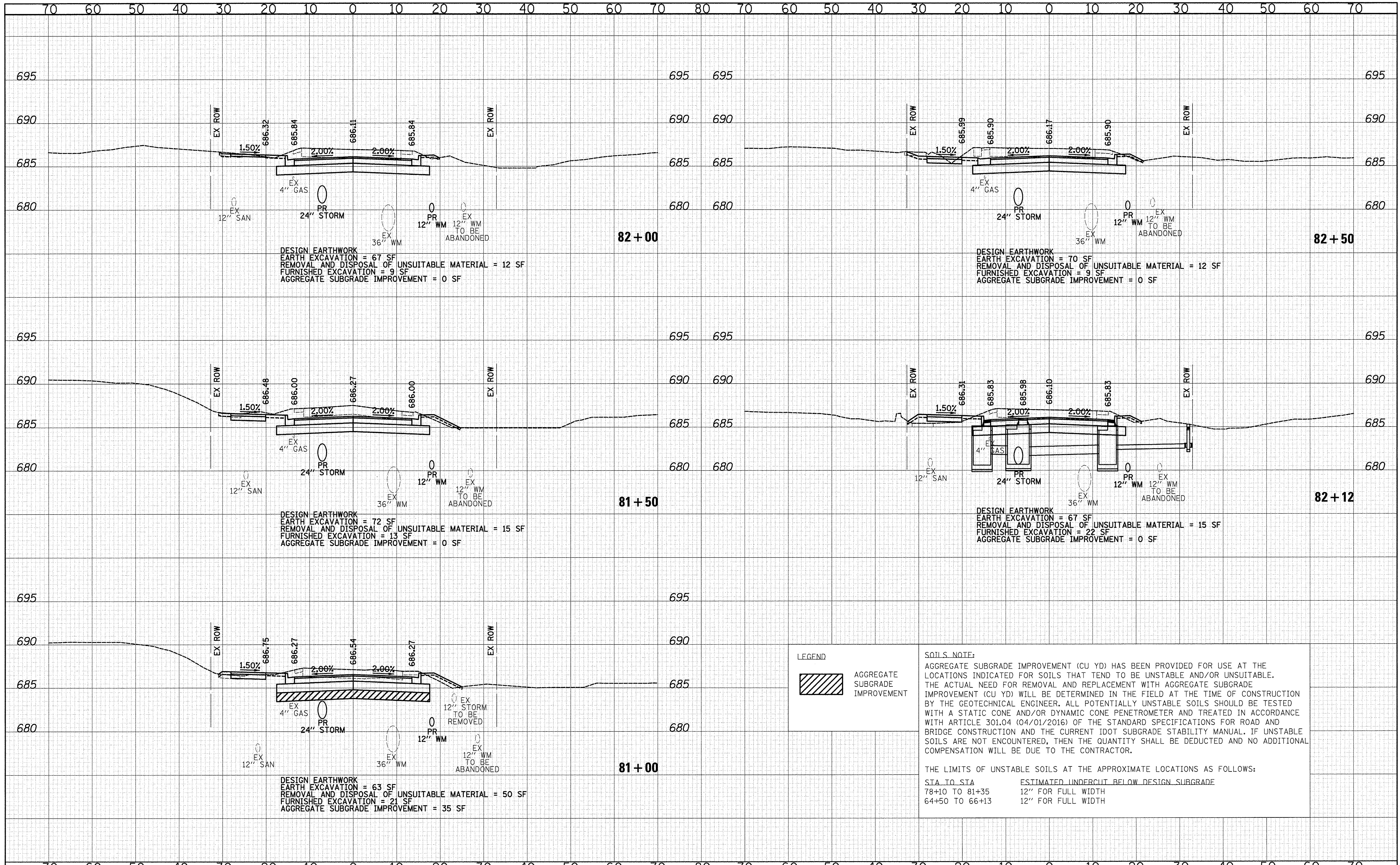
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VERT. 0 5 10
 HORIZ. 0 10 20

CROSS SECTIONS

SHEET NO. 7 OF 15 SHEETS STA. 78+50 TO STA. 80+50

F.A.U. RTE. 2667	SECTION 16-00094-00-FP	COUNTY DUPAGE	TOTAL SHEETS 163	SHEET NO. 155
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DESIGN EARTHWORK
 EARTH EXCAVATION = 67 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 12 SF
 FURNISHED EXCAVATION = 9 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF


DESIGN EARTHWORK
 EARTH EXCAVATION = 70 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 12 SF
 FURNISHED EXCAVATION = 9 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 72 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 15 SF
 FURNISHED EXCAVATION = 13 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 67 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 15 SF
 FURNISHED EXCAVATION = 22 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 63 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 50 SF
 FURNISHED EXCAVATION = 21 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 35 SF

LEGEND

 AGGREGATE SUBGRADE IMPROVEMENT

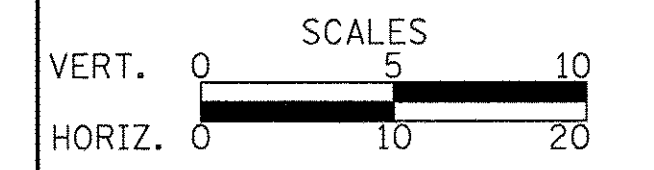
SOILS NOTE:
 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (04/01/2016) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS AT THE APPROXIMATE LOCATIONS AS FOLLOWS:
 STA. TO STA. ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
 78+10 TO 81+35 12" FOR FULL WIDTH
 64+50 TO 66+13 12" FOR FULL WIDTH

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

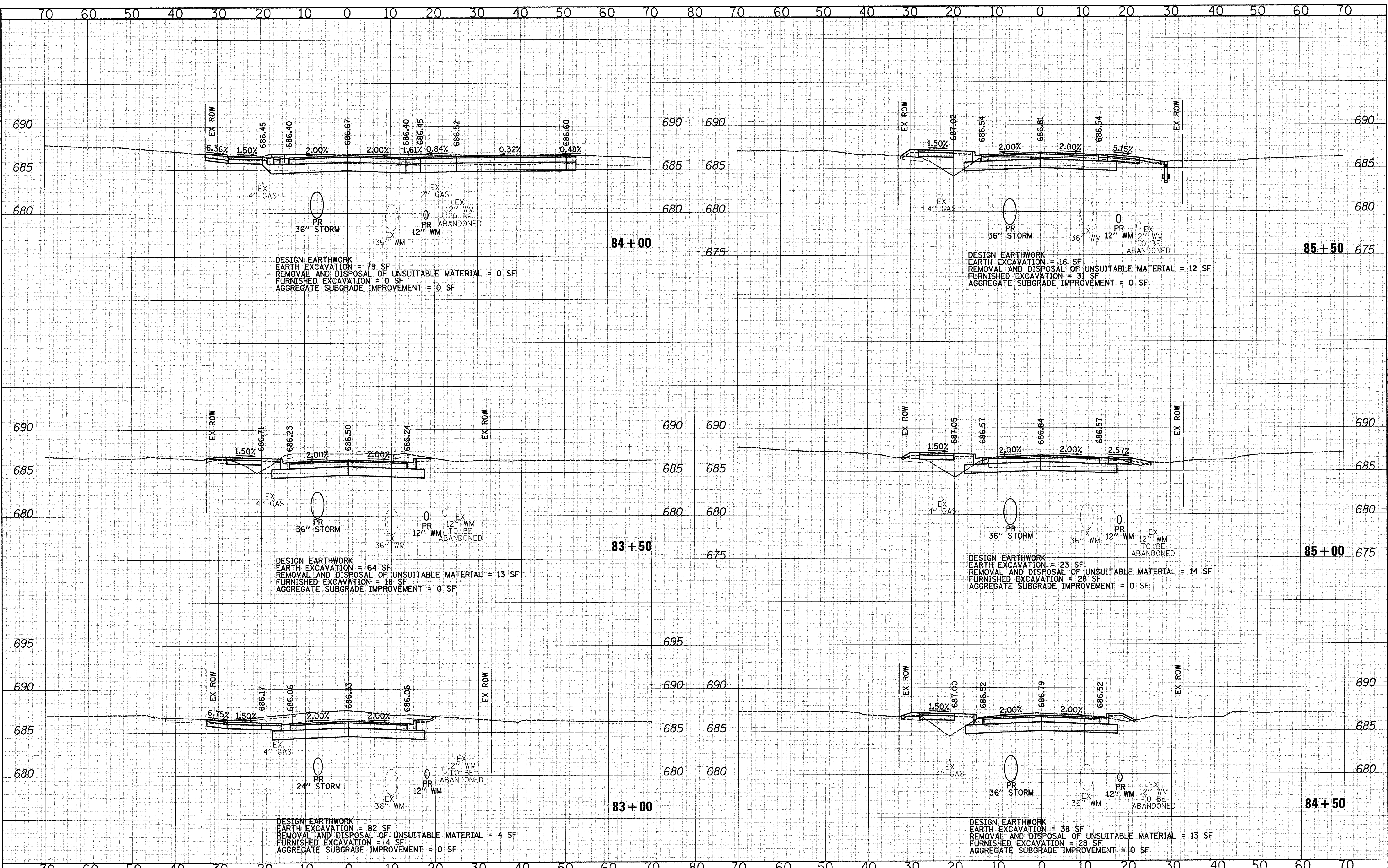


CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	156
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
FIELD	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
FIELD	
NOTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION = 79 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 0 SF
 FURNISHED EXCAVATION = 0 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 16 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 12 SF
 FURNISHED EXCAVATION = 31 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 64 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 18 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 23 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 14 SF
 FURNISHED EXCAVATION = 28 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

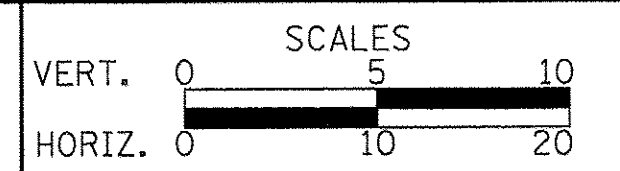
DESIGN EARTHWORK
 EARTH EXCAVATION = 82 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 4 SF
 FURNISHED EXCAVATION = 4 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 38 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 28 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
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CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -

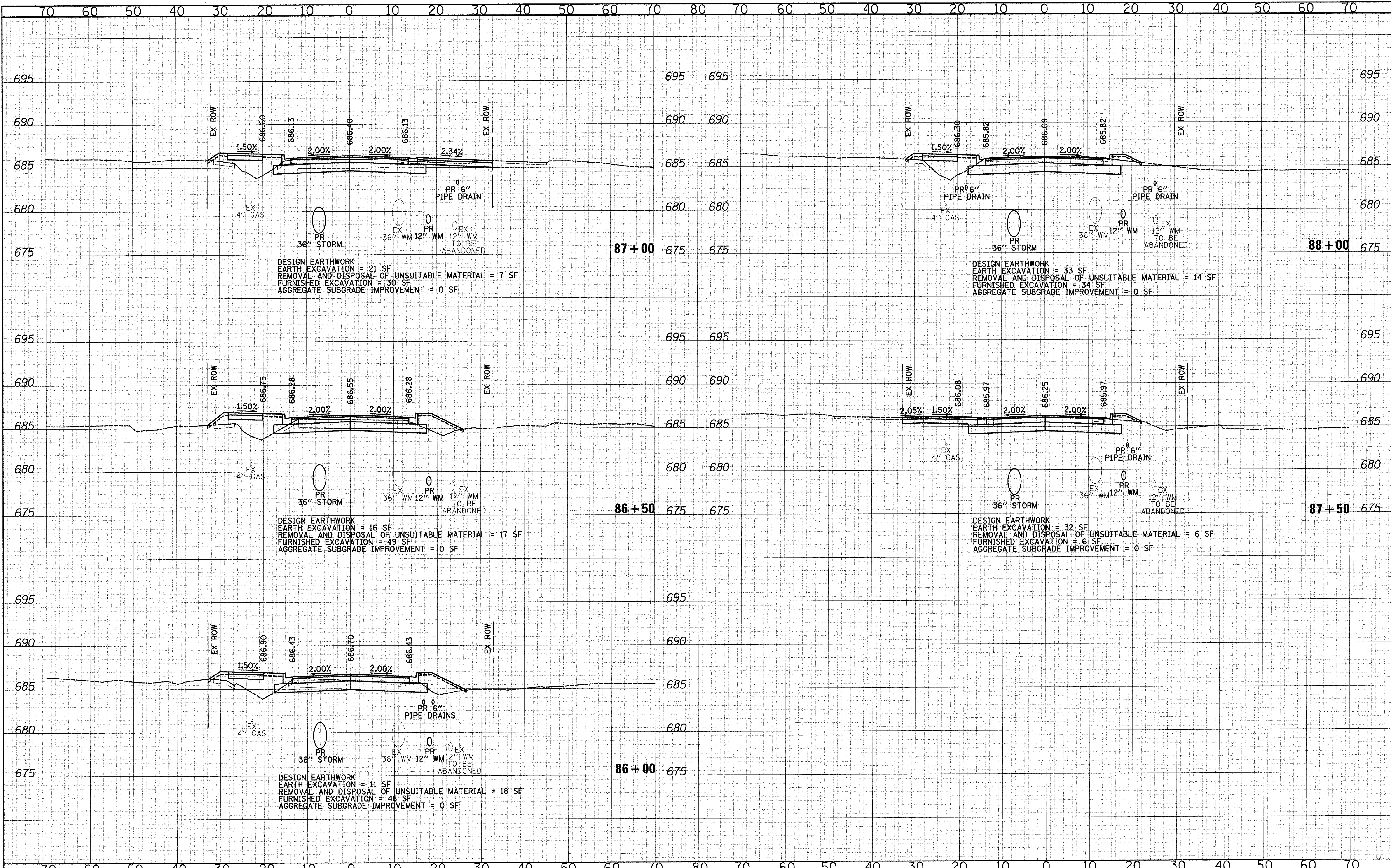
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS

SHEET NO. 9 OF 15 SHEETS STA. 83+50 TO STA. 85+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	157
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



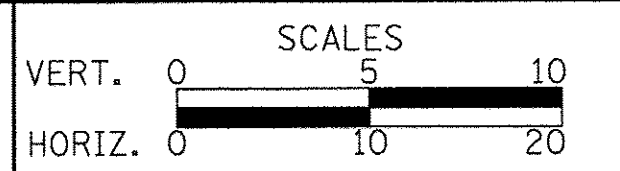
DATE	
BY	
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DATE	
REVISIONS	
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DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



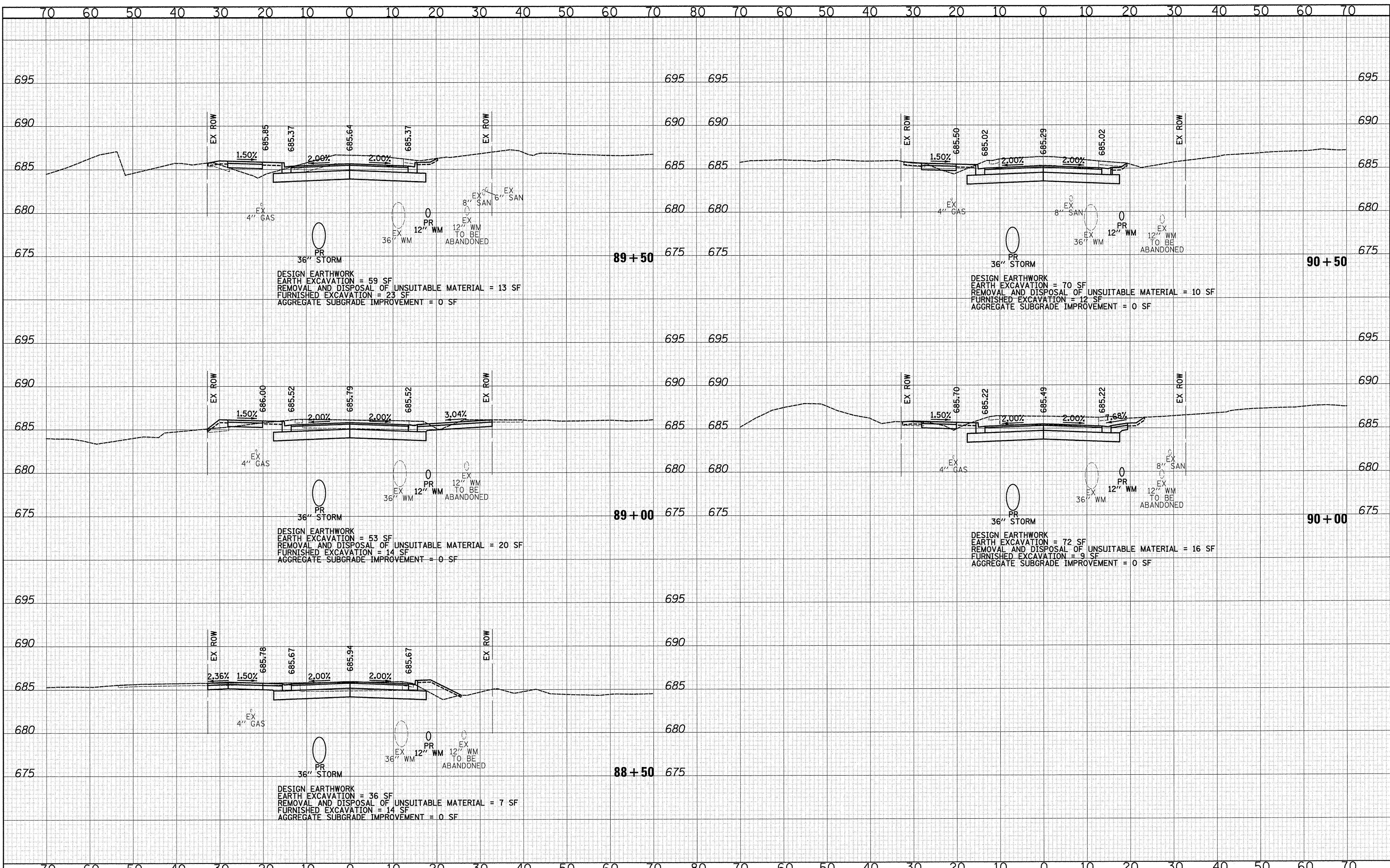
CROSS SECTIONS

SHEET NO. 10 OF 15 SHEETS STA. 86+00 TO STA. 88+00

F.A.U. RTE. 2667	SECTION 16-00094-00-FP	COUNTY DUPAGE	TOTAL SHEETS 163	SHEET NO. 158
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 AREAS CHECKED _____
 NO. _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 AREAS CHECKED _____
 NO. _____



DESIGN EARTHWORK
 EARTH EXCAVATION = 59 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 23 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 53 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 20 SF
 FURNISHED EXCAVATION = 14 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

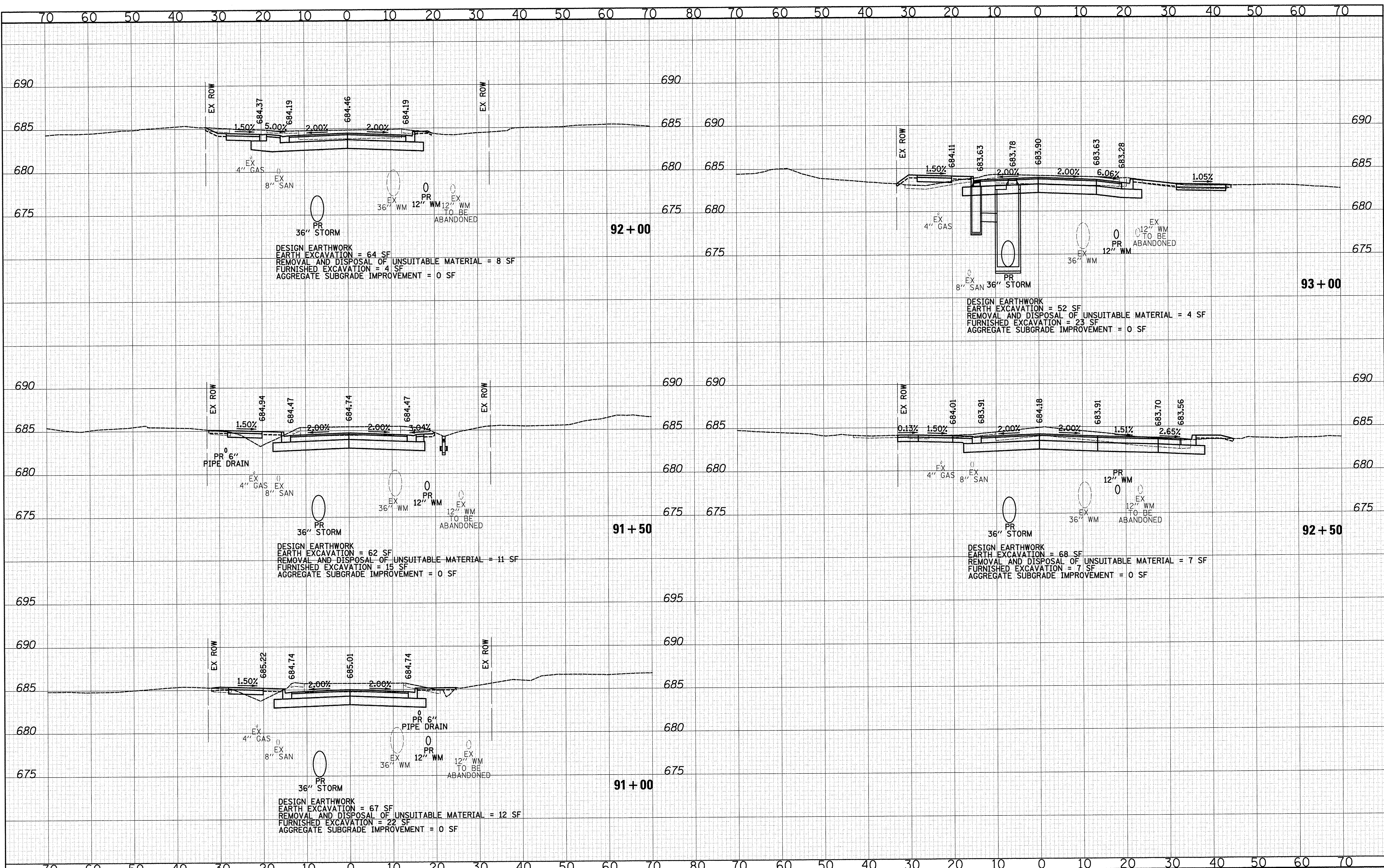
DESIGN EARTHWORK
 EARTH EXCAVATION = 36 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 7 SF
 FURNISHED EXCAVATION = 14 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 70 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 10 SF
 FURNISHED EXCAVATION = 12 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 72 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 16 SF
 FURNISHED EXCAVATION = 9 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____



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 DATE - 12/2/2016

REVISED -
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VERT. SCALE 1" = 5'
 HORIZ. SCALE 1" = 20'

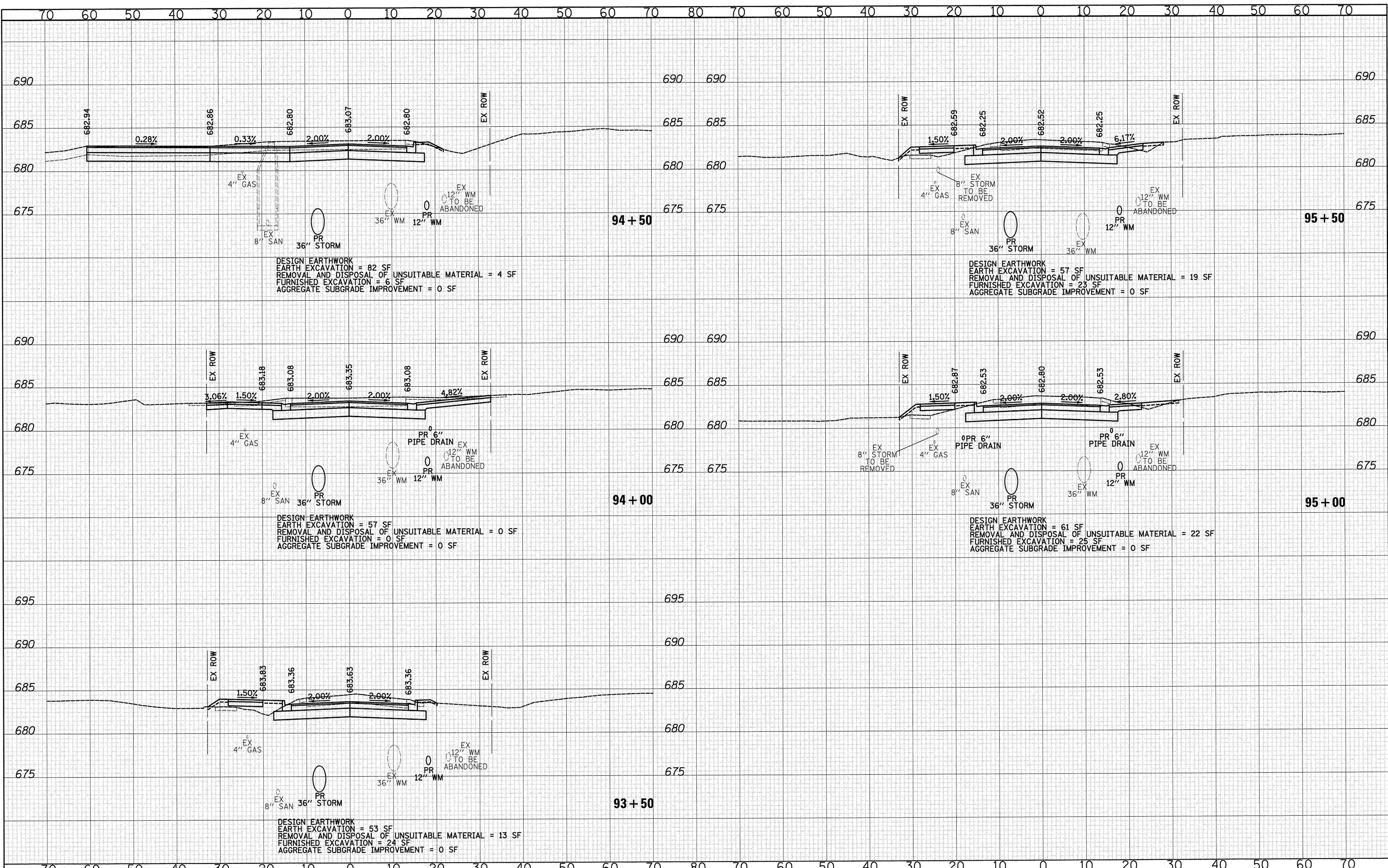
CROSS SECTIONS

SHEET NO. 12 OF 15 SHEETS STA. 91+00 TO STA. 93+00

F.A.U. RTE. 2667	SECTION 16-00094-00-FP	COUNTY DUPAGE	TOTAL SHEETS 163	SHEET NO. 160
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D60	

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____



DESIGN EARTHWORK
 EARTH EXCAVATION = 82 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 4 SF
 FURNISHED EXCAVATION = 6 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 57 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 19 SF
 FURNISHED EXCAVATION = 23 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 57 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 0 SF
 FURNISHED EXCAVATION = 0 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

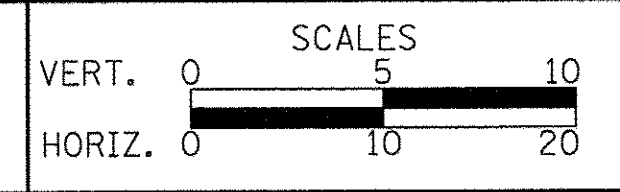
DESIGN EARTHWORK
 EARTH EXCAVATION = 61 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 22 SF
 FURNISHED EXCAVATION = 25 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 53 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 24 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

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DATE - 12/2/2016	REVISED -

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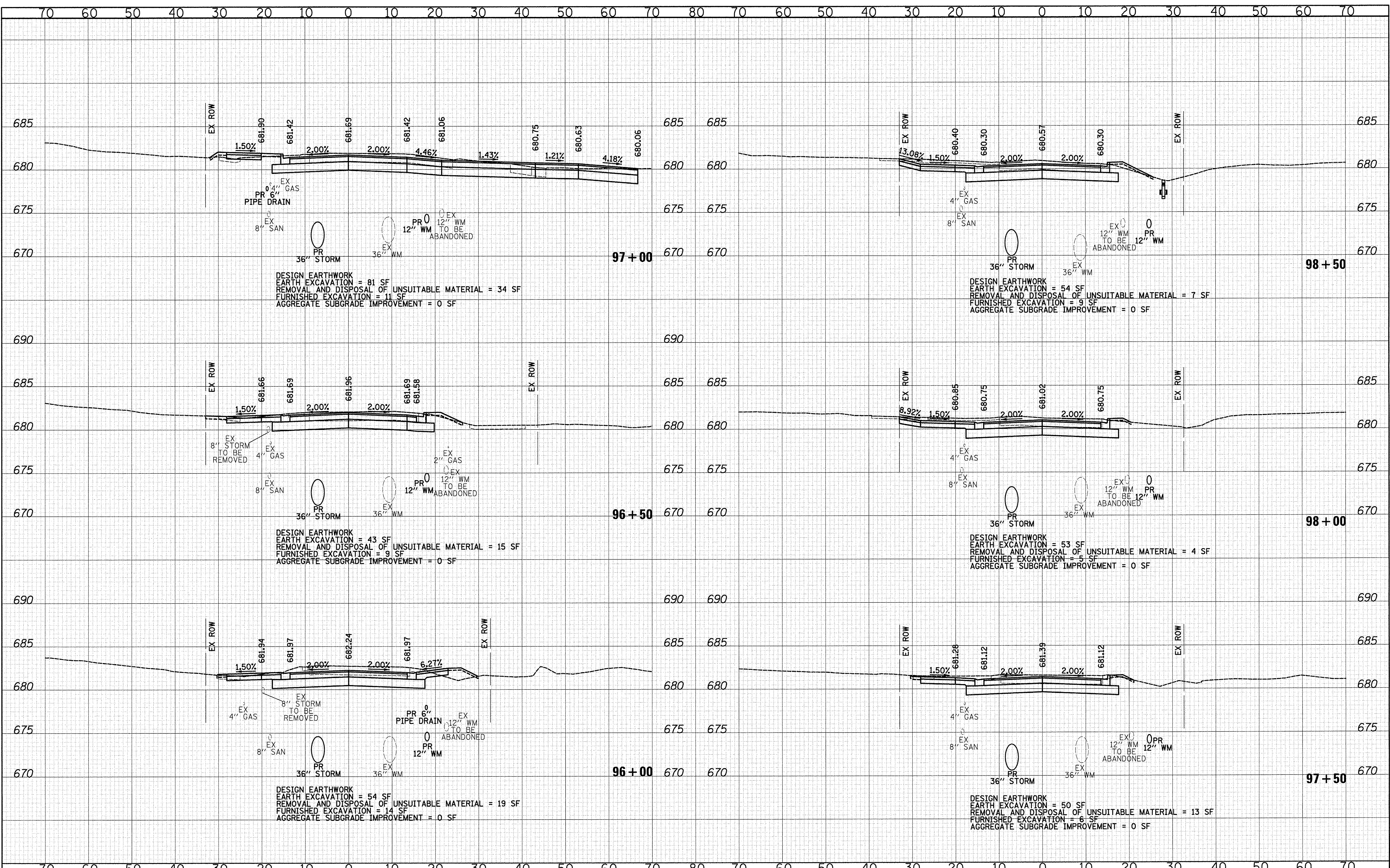
CROSS SECTIONS

SHEET NO. 13 OF 15 SHEETS STA. 93+50 TO STA. 95+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	161
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
SURVEYED	
TEMPLATE	
NO. OF SHEETS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
TEMPLATE	
NO. OF SHEETS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION = 81 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 34 SF
 FURNISHED EXCAVATION = 11 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 54 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 7 SF
 FURNISHED EXCAVATION = 9 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 43 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 15 SF
 FURNISHED EXCAVATION = 9 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 53 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 4 SF
 FURNISHED EXCAVATION = 5 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

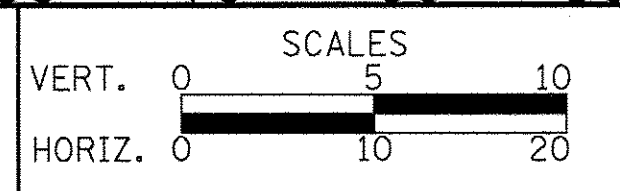
DESIGN EARTHWORK
 EARTH EXCAVATION = 54 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 19 SF
 FURNISHED EXCAVATION = 14 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

DESIGN EARTHWORK
 EARTH EXCAVATION = 50 SF
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 13 SF
 FURNISHED EXCAVATION = 6 SF
 AGGREGATE SUBGRADE IMPROVEMENT = 0 SF

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DATE - 12/2/2016	REVISED -

**STATE OF ILLINOIS
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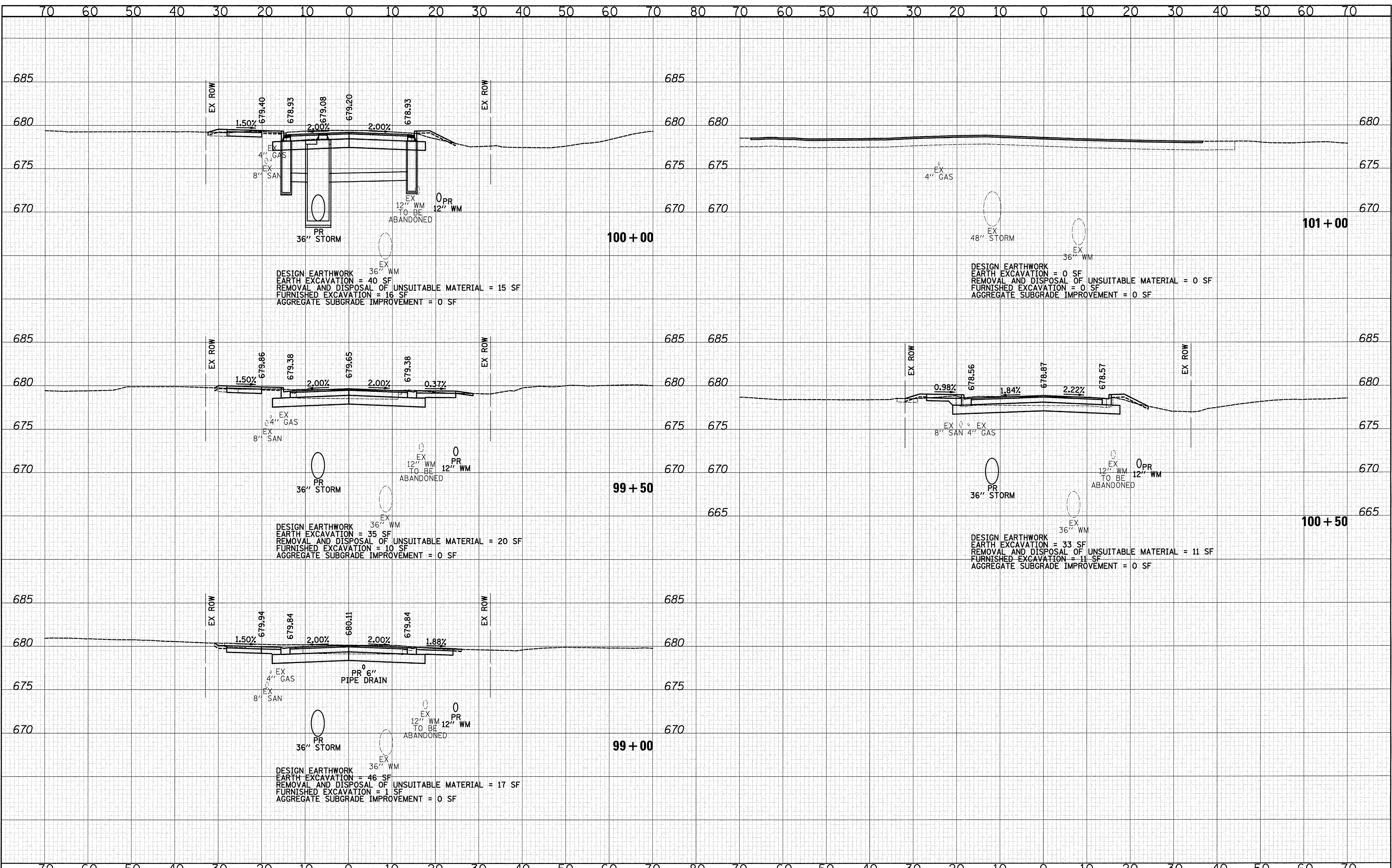
CROSS SECTIONS

SHEET NO. 14 OF 15 SHEETS STA. 96+00 TO STA. 98+00

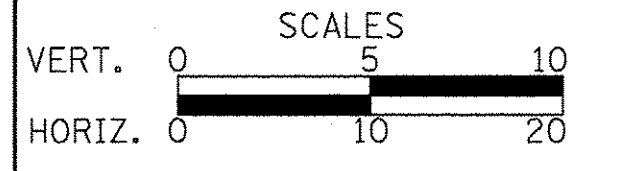
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-0094-00-FP	DUPAGE	163	162
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
 NO.: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 TEMPLATE: _____
 AREAS CHECKED: _____
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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/2/2016	REVISED -



CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	16-00094-00-FP	DUPAGE	163	163
CONTRACT NO. 61D60				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				