

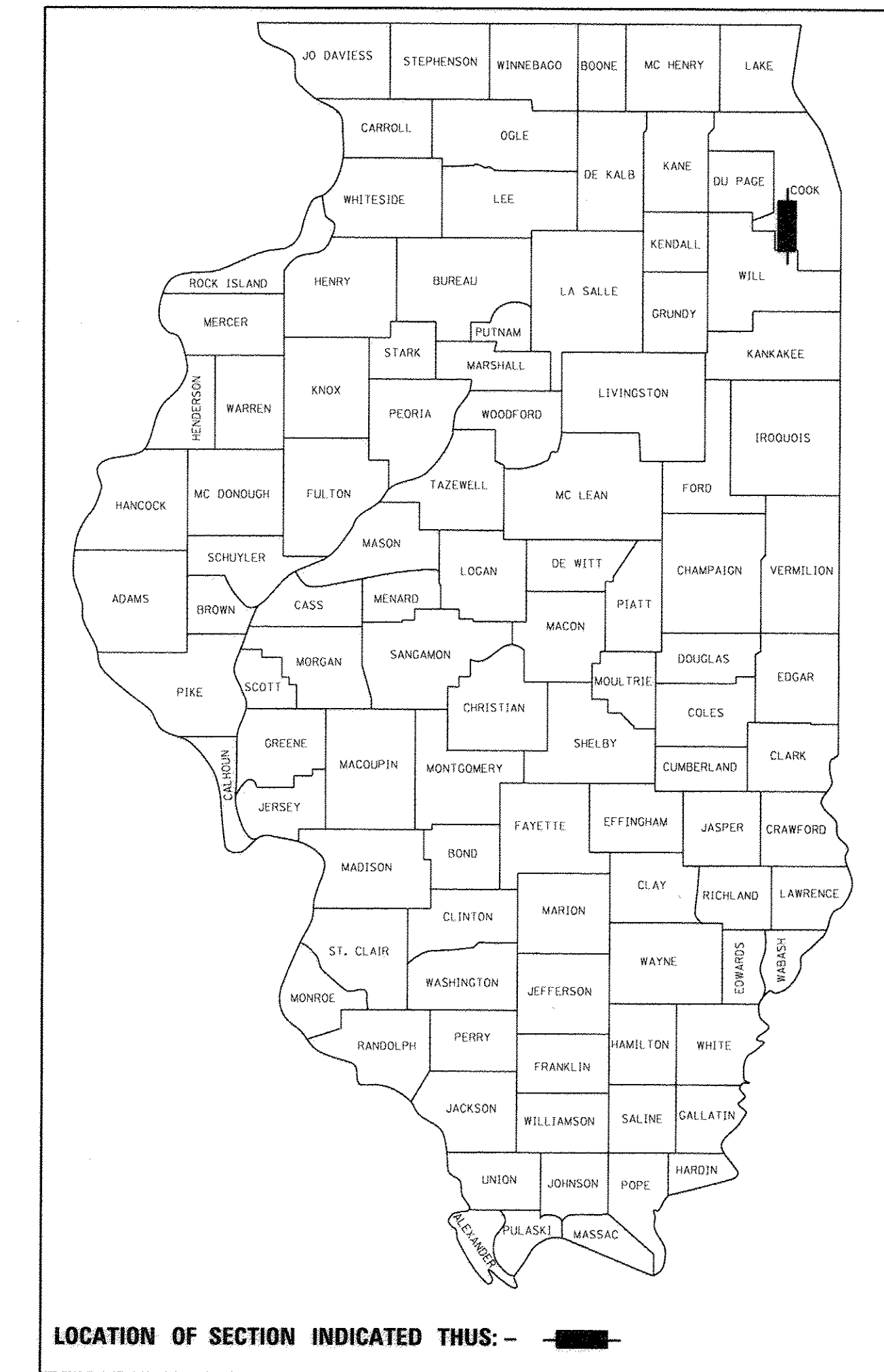
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	1
		ILLINOIS	CONTRACT NO. 61D38	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

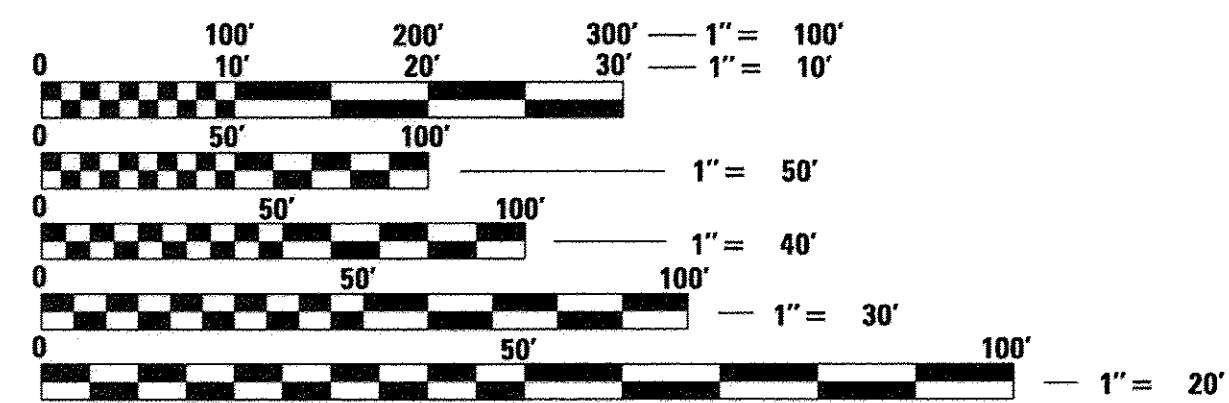
# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 2695 (108TH AVE)  
JILLIAN ROAD TO 153RD STREET  
BIKE PATH  
SECTION 15-00076-00-BT  
PROJECT NO. T E -01D1(063)  
VILLAGE OF ORLAND PARK  
COOK COUNTY  
JOB NO. C-91-223-16



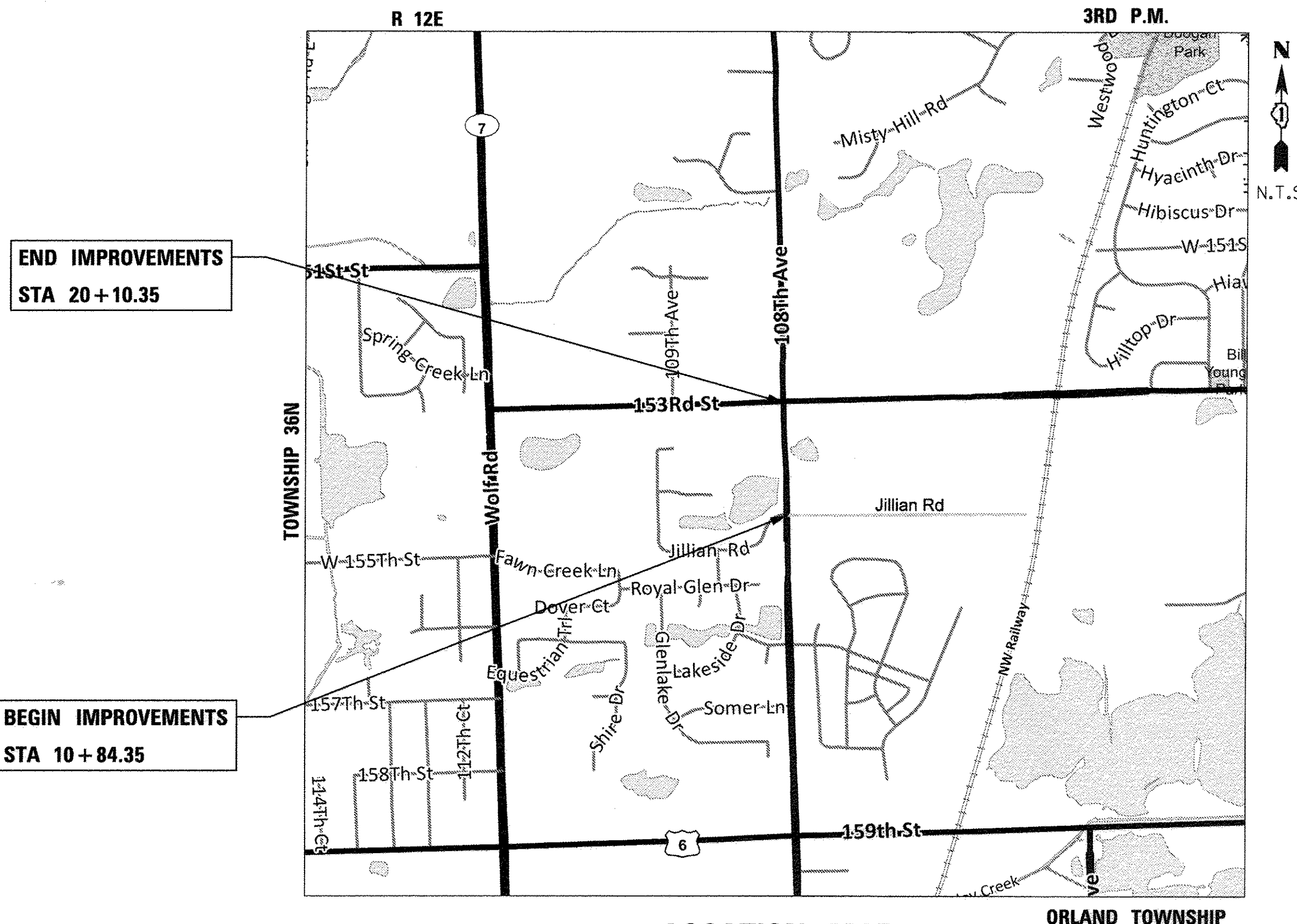
**DESIGN DESIGNATION**

MAJOR COLLECTOR  
POSTED SPEED: 40 M.P.H.  
EXISTING ADT: 8,150 (2014)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



END IMPROVEMENTS  
STA 20 + 10.35

BEGIN IMPROVEMENTS  
STA 10 + 84.35

LOCATION MAP

GROSS LENGTH = 926.00 FT. = 0.175 MILE  
NET LENGTH = 926.00 FT. = 0.175 MILE

**BIC** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500



October 12, 2016  
*Mark B. Thomas*  
MARK B. THOMAS  
ILLINOIS REGISTRATION No. 062-057218  
EXPIRATION DATE: 11/30/17

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *October 11, 2016*  
VILLAGE OF ORLAND PARK, TRANSPORTATION AND ENGINEERING MANAGER

PASSED *OCTOBER 28, 2016*  
*C. Holt* CHRISTOPHER HOLT  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

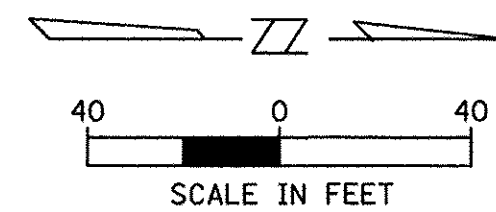
RELEASED FOR BID  
BASED ON LIMITED  
REVIEW  
*October 28, 2016*  
*John Ford* REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL

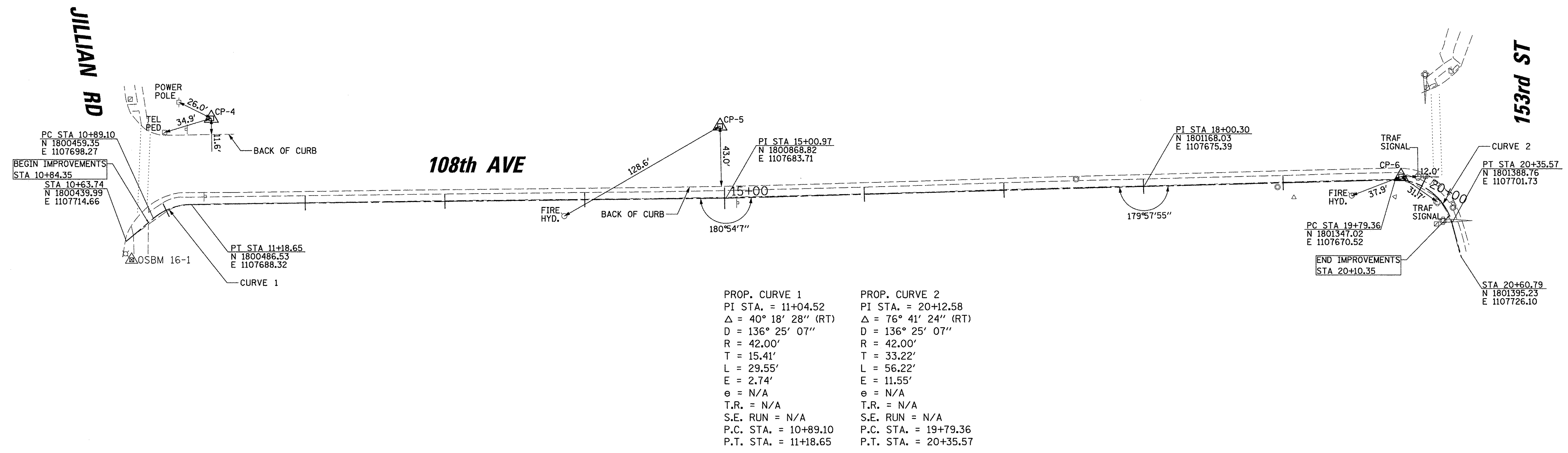




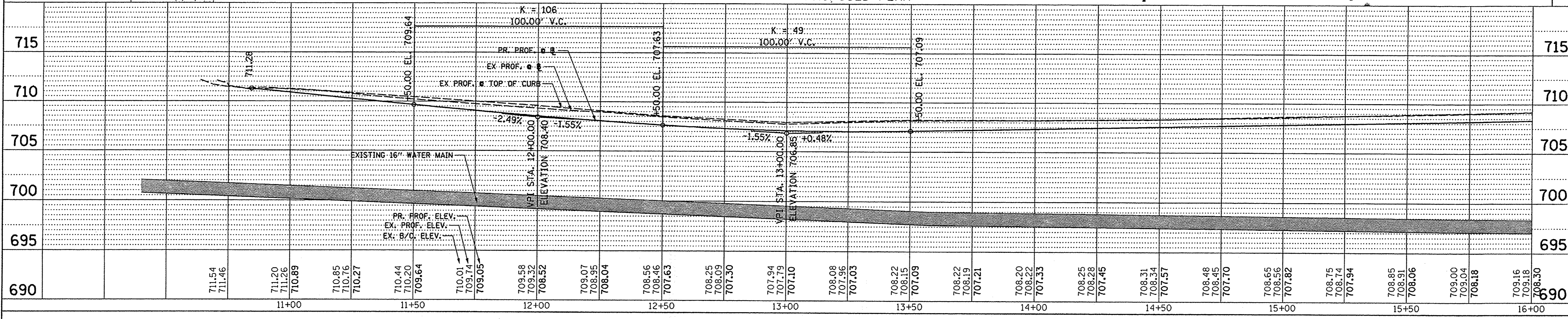
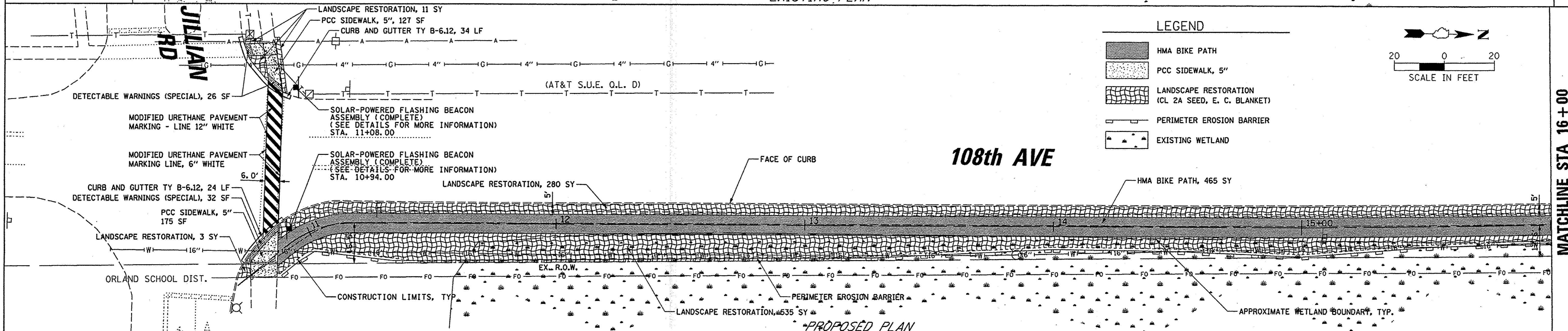
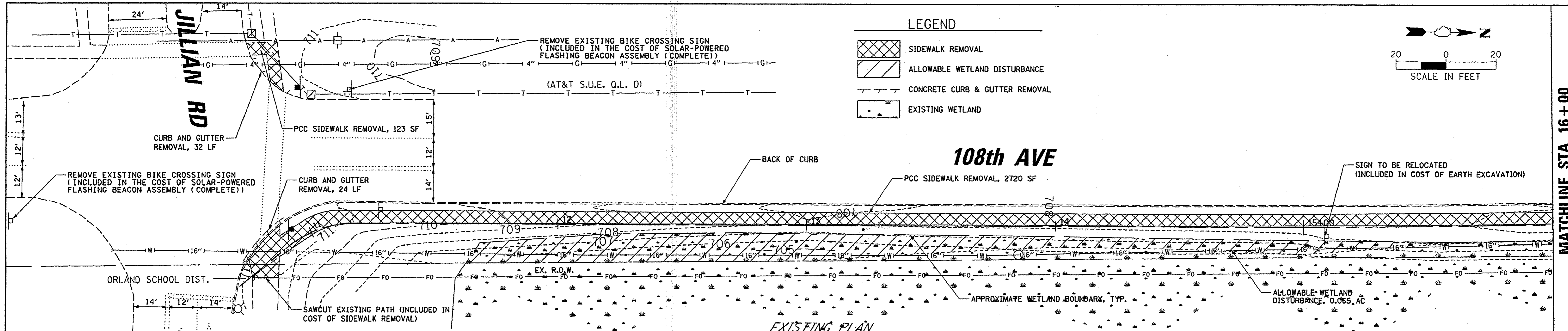


ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
DN4690	IT IS 24 FT (7.3 M) SOUTH OF THE CENTERLINE OF 151ST STREET, 44 FT (13.4 M) WEST OF WILL/COOK ROAD, 21.5 FT (6.6 M) WEST-NORTHWEST OF A POWER POLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION AND 1 FT (0.3M) NORTH OF AN ORANGE CARSONITE MARKER. NOTE-ACCESS TO THE DATUM POINT IS THROUGH A 6-INCH (15 CM) LOGO CAP AND THE ROD (DATUM POINT) IS SURROUNDED BY A FLOATING BRONZE DISK TO AID IN IDENTIFICATION.	729.45
OSBM 16-1	SQUARE CUT ON CONC. BASE OF LIGHT POLE AT THE NORTHEAST CORNER OF 108TH AVENUE & JILLIAN ROAD	712.46

HORIZONTAL CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	OFFSET	DESC.
CP-4	1,800,500.78	1,107,626.84	11+33.46	62.28 LT	REBAR
CP-5	1,800,864.56	1,107,632.29	14+97.12	51.55 LT	REBAR
CP-6	1,801,352.19	1,107,668.24	19+83.98	2.80 LT	CUT-X

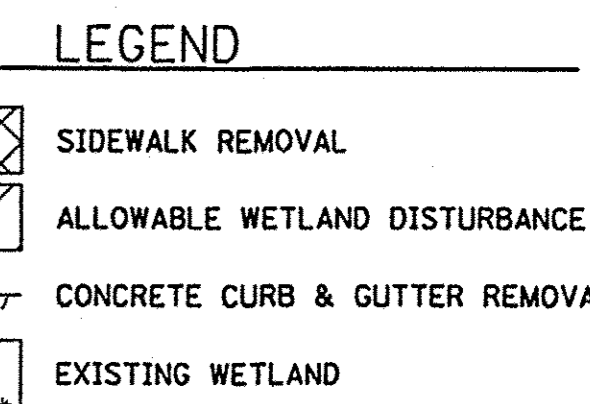
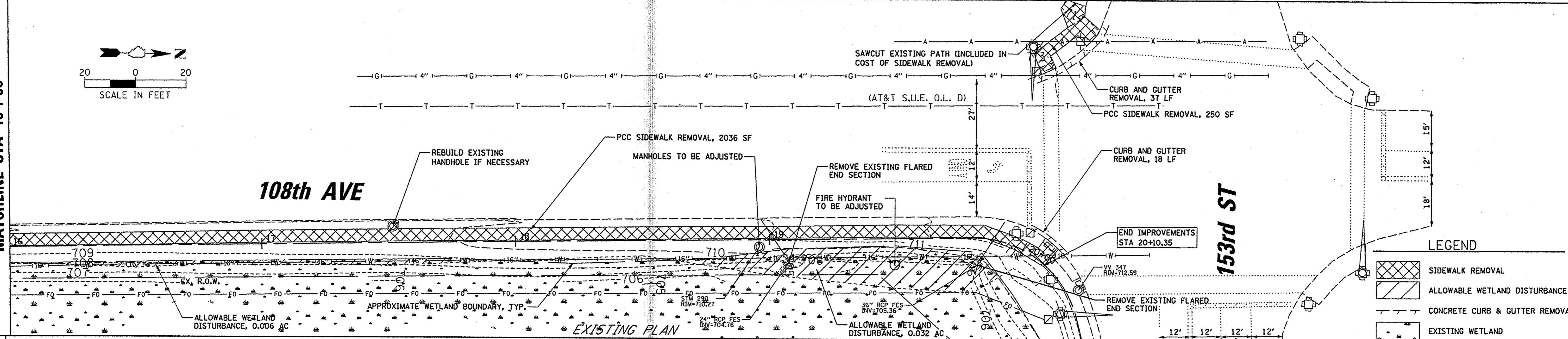
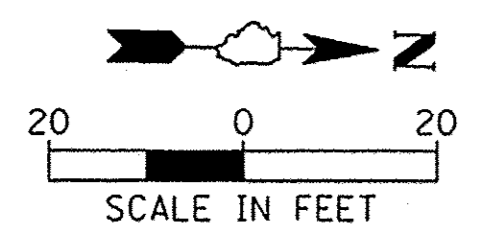


PROP. CURVE 1 PI STA. = 11+04.52 $\Delta = 40^\circ 18' 28''$ (RT) $D = 136^\circ 25' 07''$ $R = 42.00'$ $T = 15.41'$ $L = 29.55'$ $E = 2.74'$ $\theta = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA. = 10+89.10$ $P.T. STA. = 11+18.65$	PROP. CURVE 2 PI STA. = 20+12.58 $\Delta = 76^\circ 41' 24''$ (RT) $D = 136^\circ 25' 07''$ $R = 42.00'$ $T = 33.22'$ $L = 56.22'$ $E = 11.55'$ $\theta = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA. = 19+79.36$ $P.T. STA. = 20+35.57$
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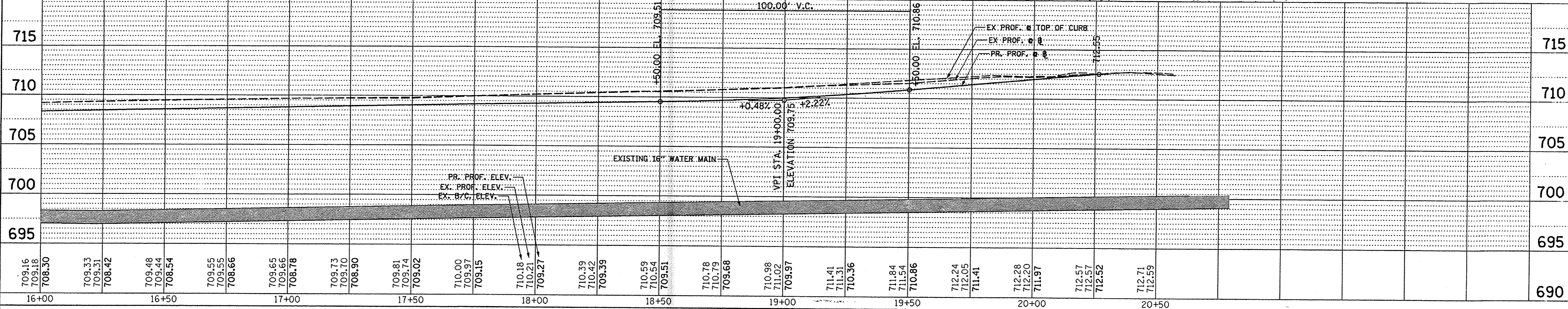
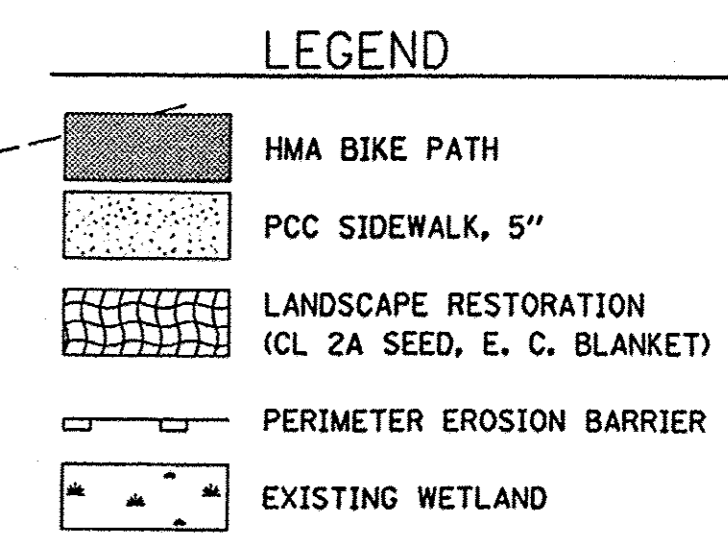
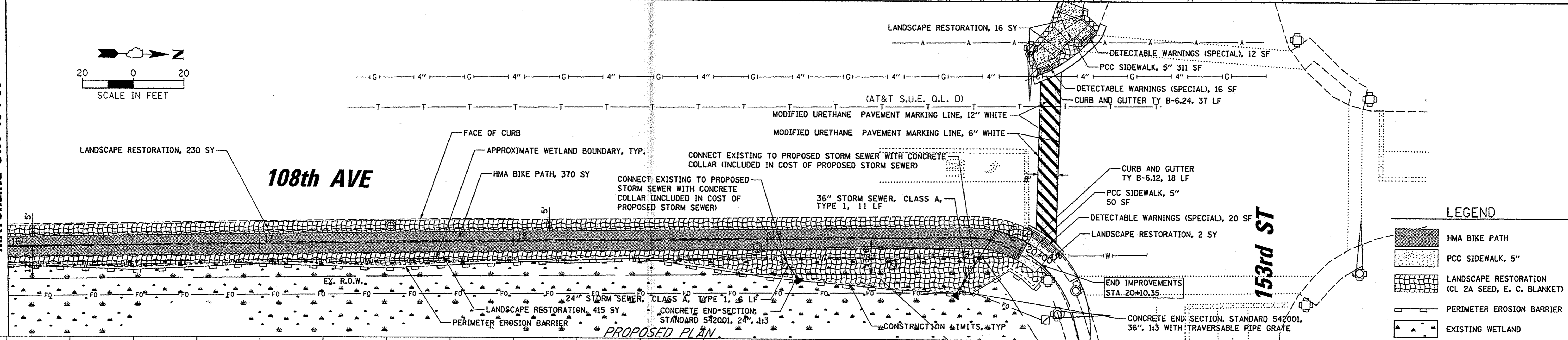
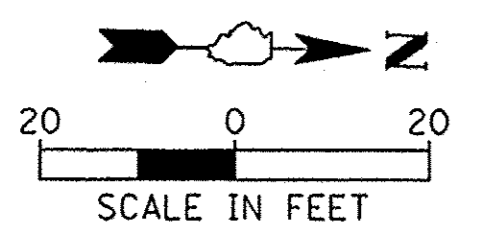


FILE NAME =	USER NAME = mthomas	DESIGNED - CJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>108TH AVE. BIKE TRAIL</b> <b>BIKE PATH PLAN AND PROFILE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ORLANDPARK\150676\Civil\RPP_01_150676.dgn		DRAWN - CJM	REVISED -			2695	15-00076-00-BT	COOK	16	5	
Default	PLOT SCALE = 20'	CHECKED - JCS	REVISED -			CONTRACT NO. 61D38					
	PLOT DATE = 12/8/2016	DATE - 10/17/16	REVISED -			[ILLINOIS] FED. AID PROJECT					

MATCHLINE STA 16+00

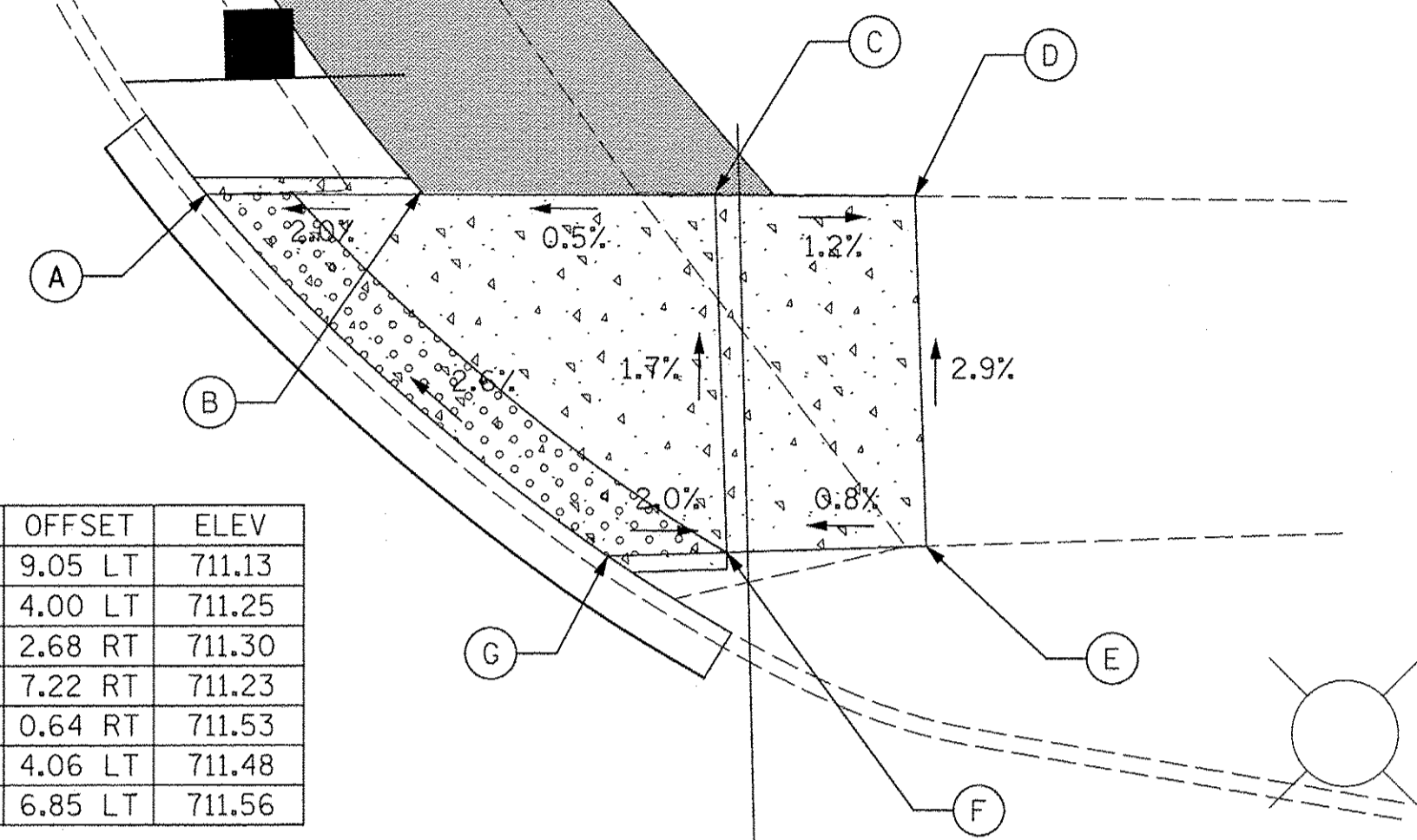


MATCHLINE STA 16+00

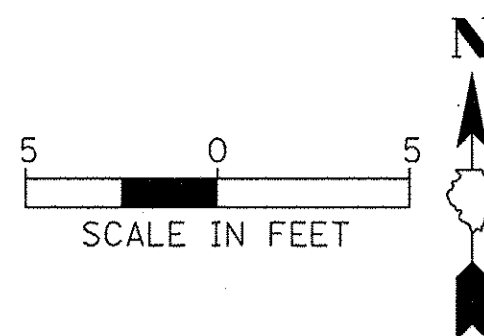


FILE NAME =	USER NAME = mthomas	DESIGNED - CJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	108TH AVE. BIKE TRAIL BIKE PATH PLAN AND PROFILE	F.A.U. RTE. = 2695	SECTION = 15-00076-00-BT	COUNTY = COOK	TOTAL SHEETS = 16	SHEET NO. = 6		
N:\ORLANDPARK\150676\Civil\RPP_02_150676.dgn	DRAWN - CJM	REVISIONS -	SCALE: #SCALE			SHEET 2 OF 2 SHEETS	STA. 16+00 TO STA. 20+26.41	CONTRACT NO. 61D38				
Default	PLOT SCALE = 28'	CHECKED - JGS	REVISIONS -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 12/8/2016	DATE = 10/17/16	REVISIONS -									

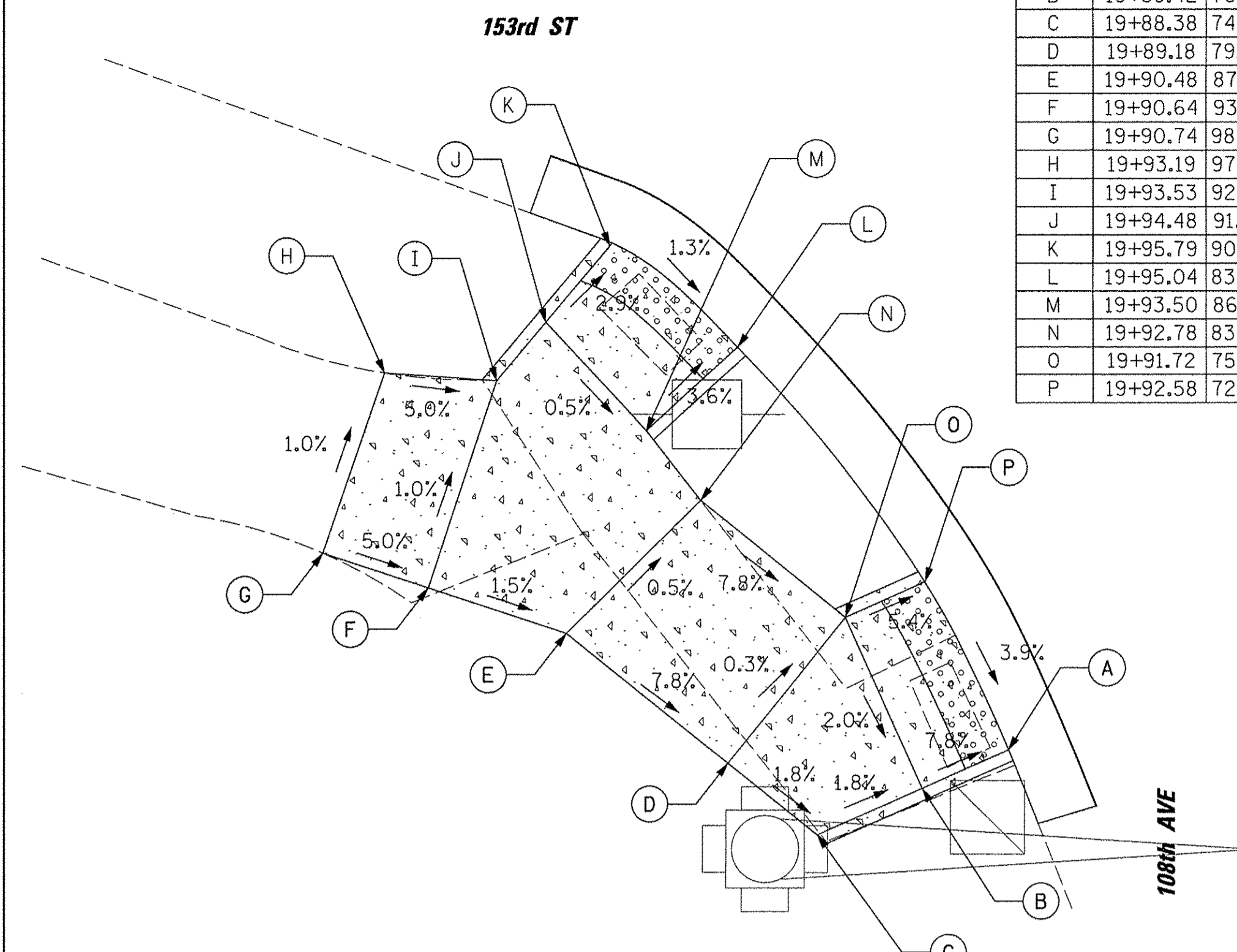
POINT	STA	OFFSET	ELEV
A	10+91.46	9.05 LT	711.13
B	10+87.74	4.00 LT	711.25
C	10+82.11	2.68 RT	711.30
D	10+78.18	7.22 RT	711.23
E	10+69.89	0.64 RT	711.53
F	10+73.62	4.06 LT	711.48
G	10+75.84	6.85 LT	711.56



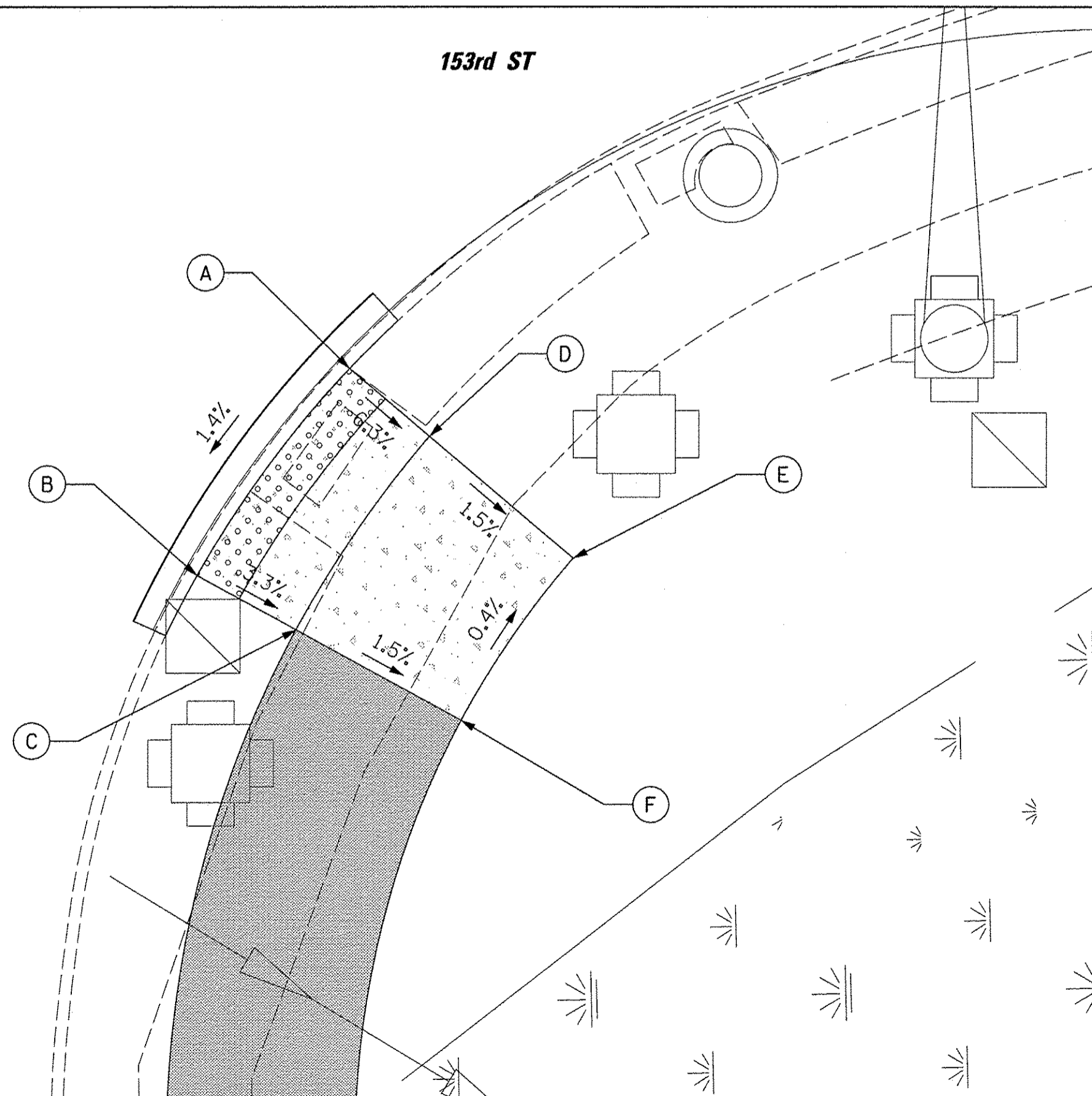
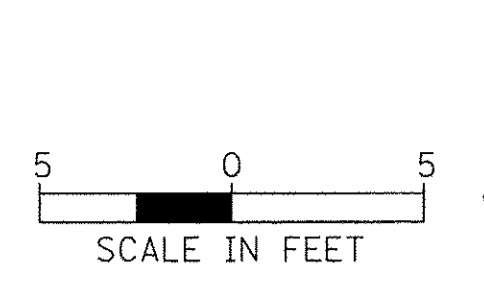
108TH AVE AT JILLIAN ROAD  
NE CORNER



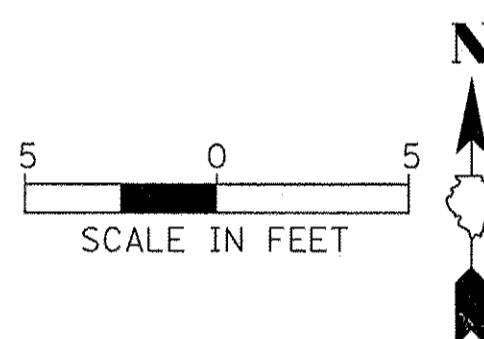
POINT	STA	OFFSET	ELEV
A	19+90.34	67.64 LT	712.74
B	19+89.42	70.88 LT	713.05
C	19+88.38	74.86 LT	713.14
D	19+89.18	79.20 LT	713.23
E	19+90.48	87.14 LT	713.91
F	19+90.64	93.31 LT	714.00
G	19+90.74	98.02 LT	714.23
H	19+93.19	97.57 LT	714.15
I	19+93.53	92.92 LT	713.91
J	19+94.48	91.72 LT	713.86
K	19+95.79	90.22 LT	713.73
L	19+95.04	83.65 LT	713.83
M	19+93.50	86.18 LT	713.64
N	19+92.78	83.08 LT	713.87
O	19+91.72	75.79 LT	713.25
P	19+92.58	72.95 LT	713.05



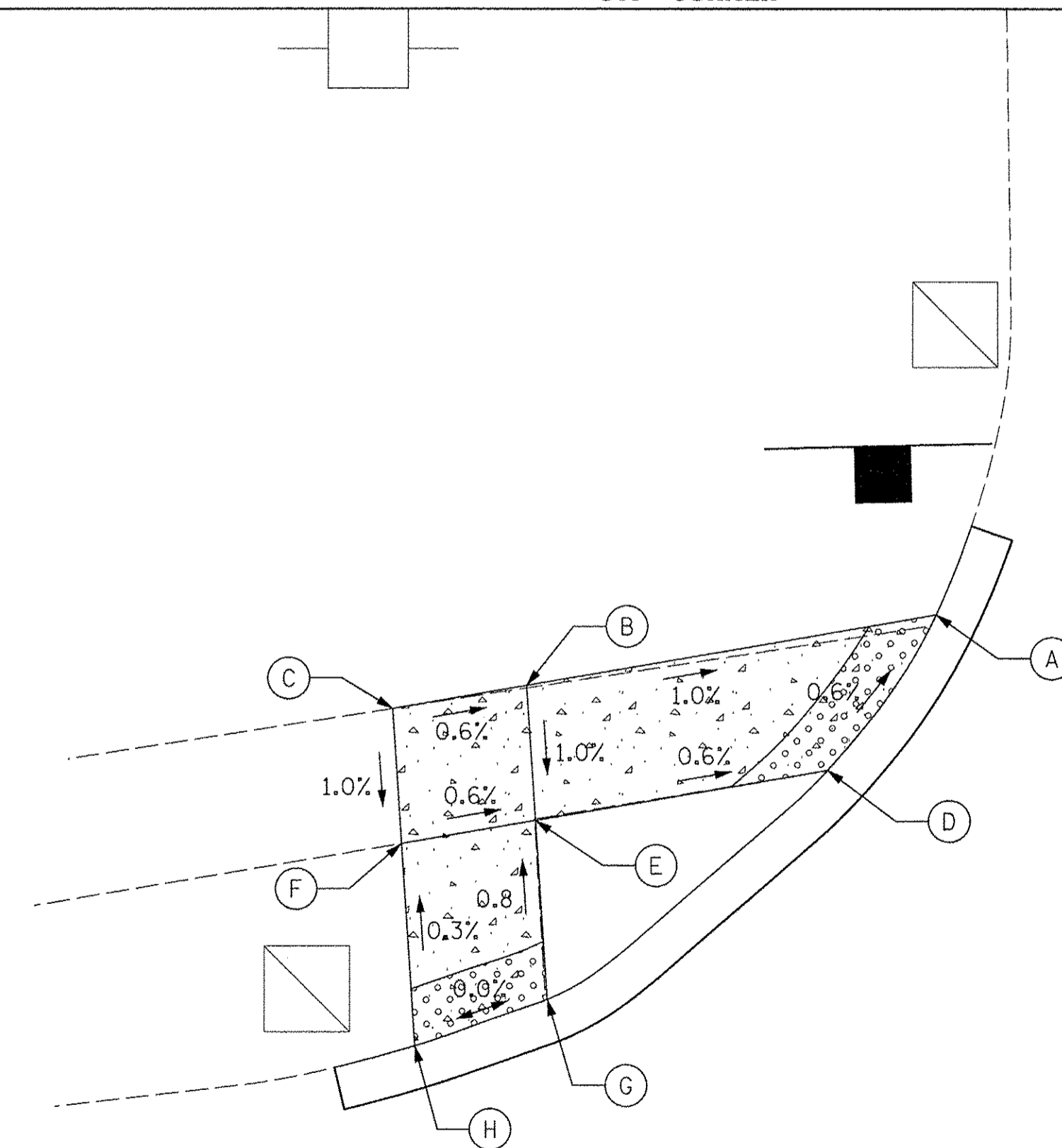
108TH AVE AT 153RD STREET  
SW CORNER



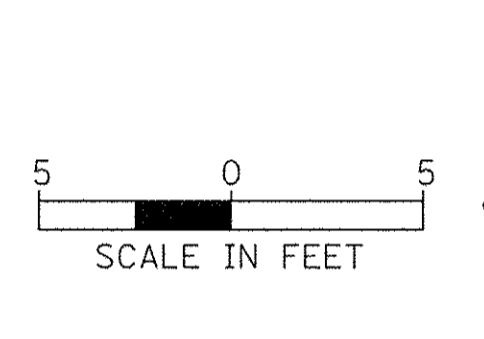
108TH AVE AT 153RD STREET  
SE CORNER



POINT	STA	OFFSET	ELEV
A	20+10.30	8.44 LT	712.66
B	20+01.24	8.80 LT	712.51
C	20+01.19	4.00 LT	712.35
D	20+10.32	4.00 LT	712.38
E	20+10.38	4.00 RT	712.26
F	20+01.07	4.00 RT	712.23



108TH AVE AT JILLIAN ROAD  
NW CORNER



POINT	STA	OFFSET	ELEV
A	11+04.72	57.28 LT	711.18
B	11+05.38	72.53 LT	711.33
C	11+05.56	77.53 LT	711.36
D	11+02.99	62.87 LT	711.22
E	11+03.62	73.69 LT	711.28
F	11+03.88	78.66 LT	711.31
G	11+01.37	75.50 LT	711.33
H	11+01.44	80.69 LT	711.33

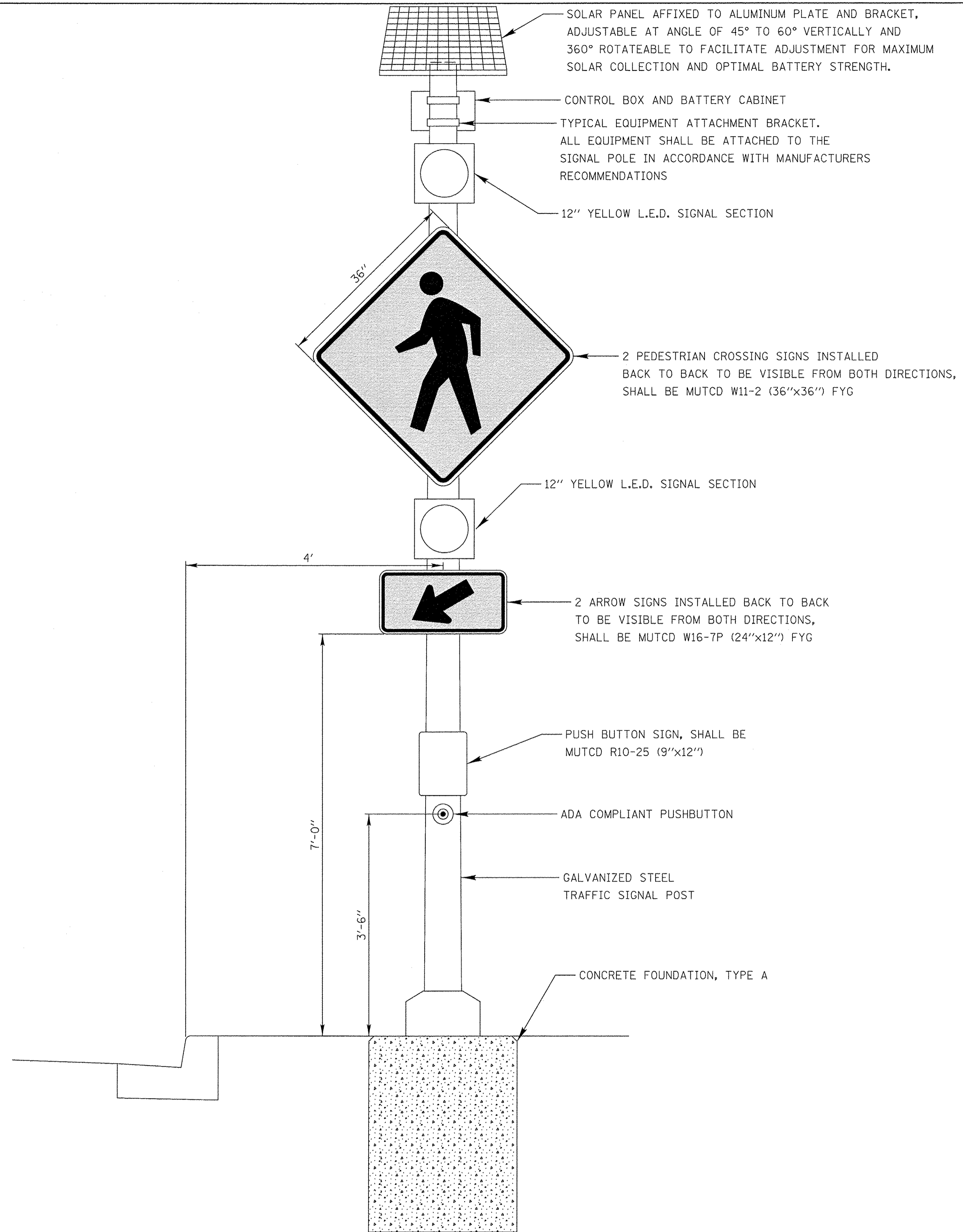
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Default	PLOT SCALE = 5'	CHECKED - JGS	REVISED -
	PLOT DATE = 11/8/2016	DATE - 10/17/16	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: \$SCALE	SHEET	OF	SHEETS	STA.	TO	STA.
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108TH AVE. BIKE TRAIL  
SIDEWALK RAMP DETAILS

F.A.U. RTE. 2695	SECTION 15-00076-00-BT	COUNTY COOK	TOTAL SHEETS 16	SHEET NO. 7
CONTRACT NO. 61D38				ILLINOIS FED. AID PROJECT



**SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)**

FILE NAME =	USER NAME = mthomas	DESIGNED - CJM	REVISED -
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PLOT SCALE = 5'		CHECKED - JGS	REVISED -
PLOT DATE = 11/8/2016		DATE - 10/17/16	REVISED -

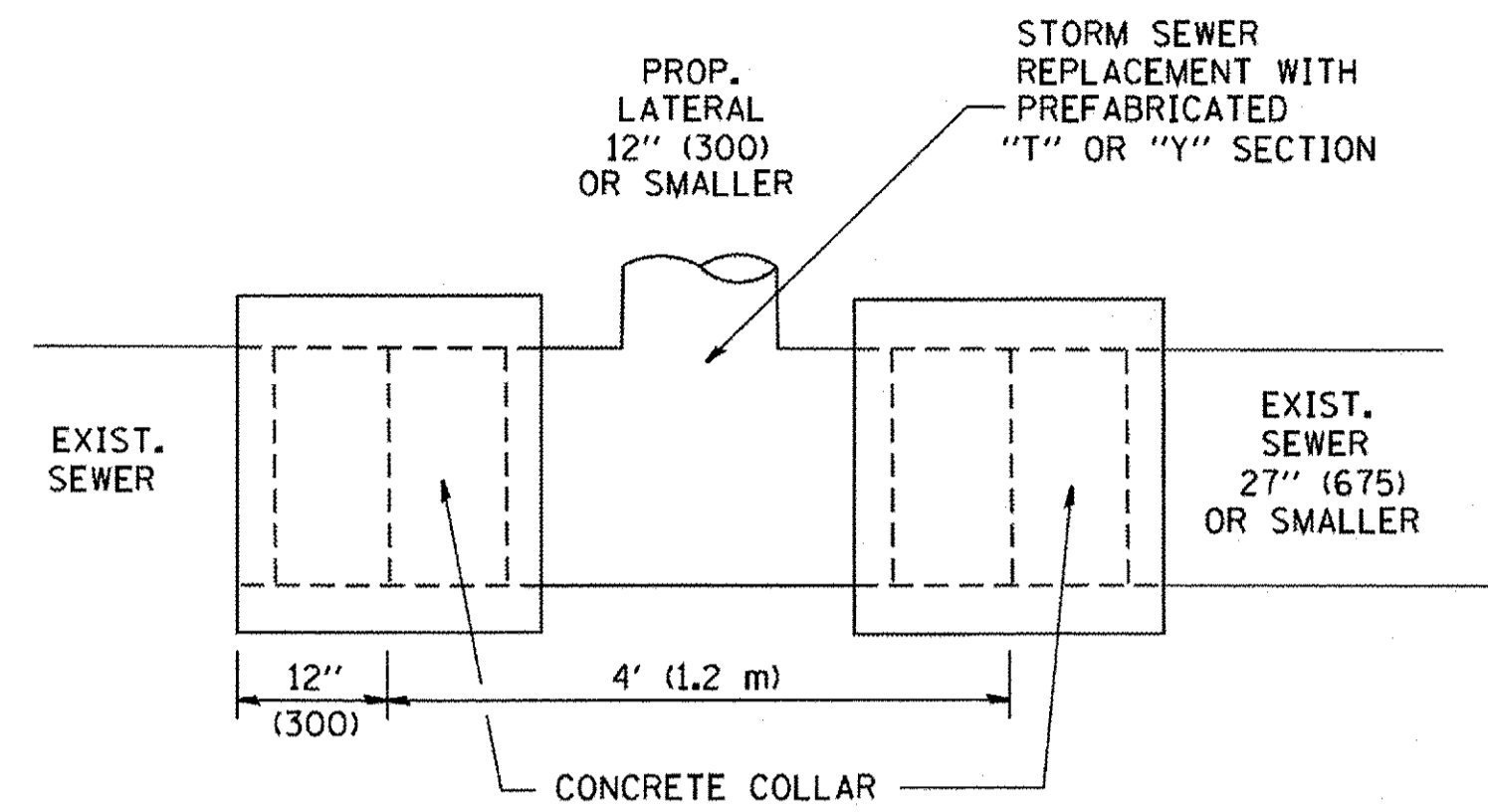
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**108TH AVE. BIKE TRAIL  
CONSTRUCTION DETAILS**

SCALE: \$SCALE SHEET OF SHEETS STA. TO STA.

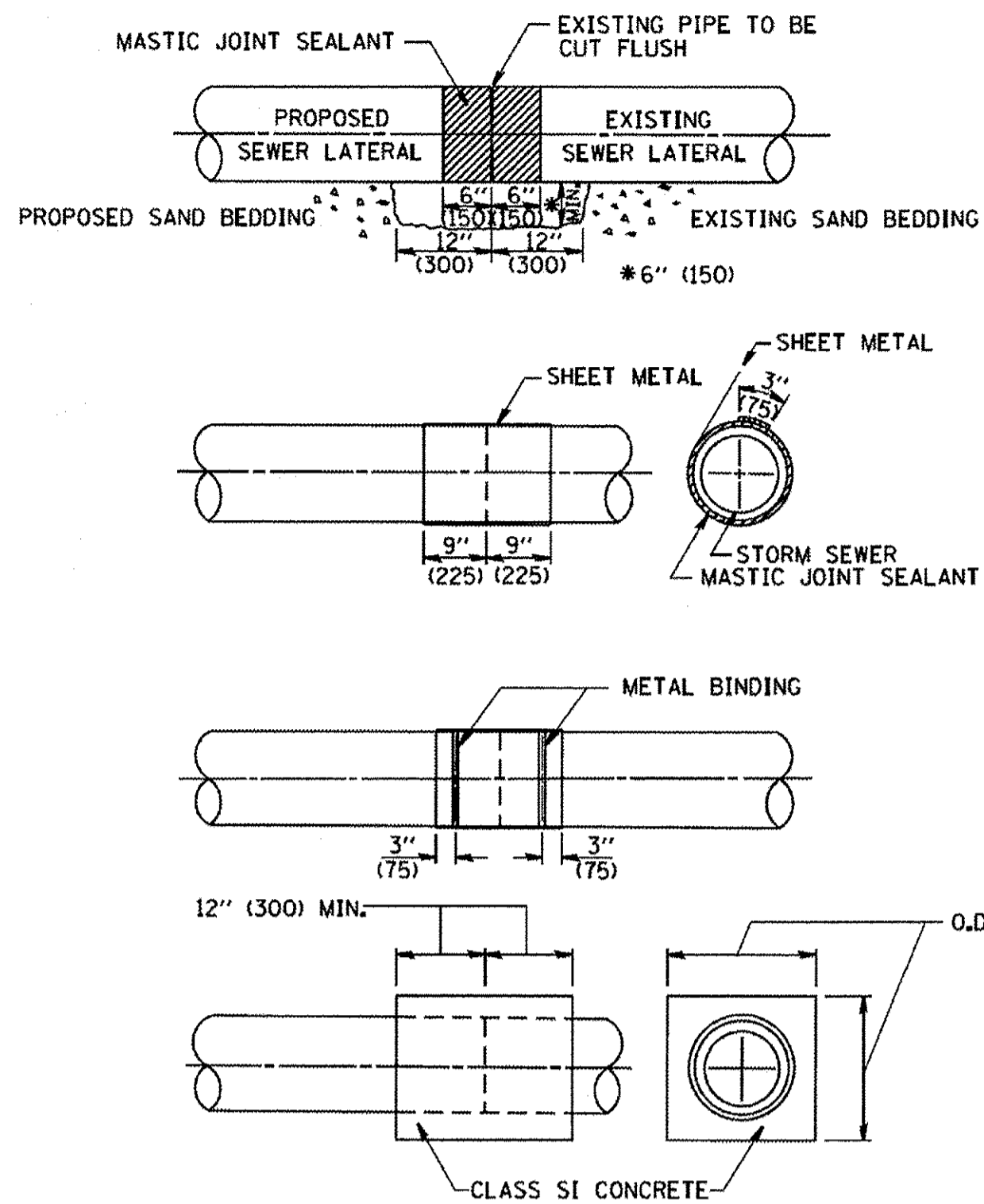
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	8
CONTRACT NO. 61D38			ILLINOIS FED. AID PROJECT	





**DETAIL "A"**

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

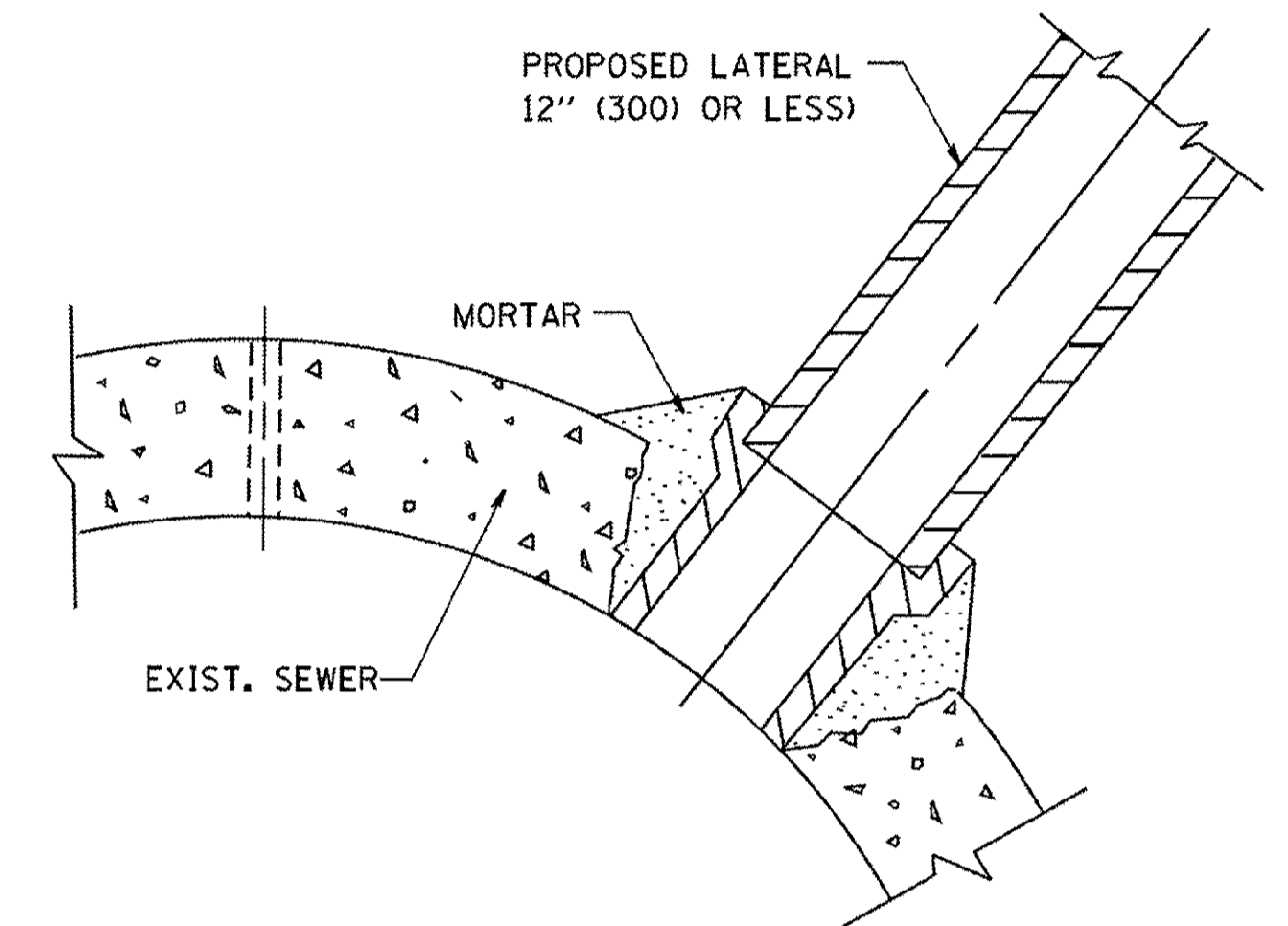


**DETAIL "B"**

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 OOOZES 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.

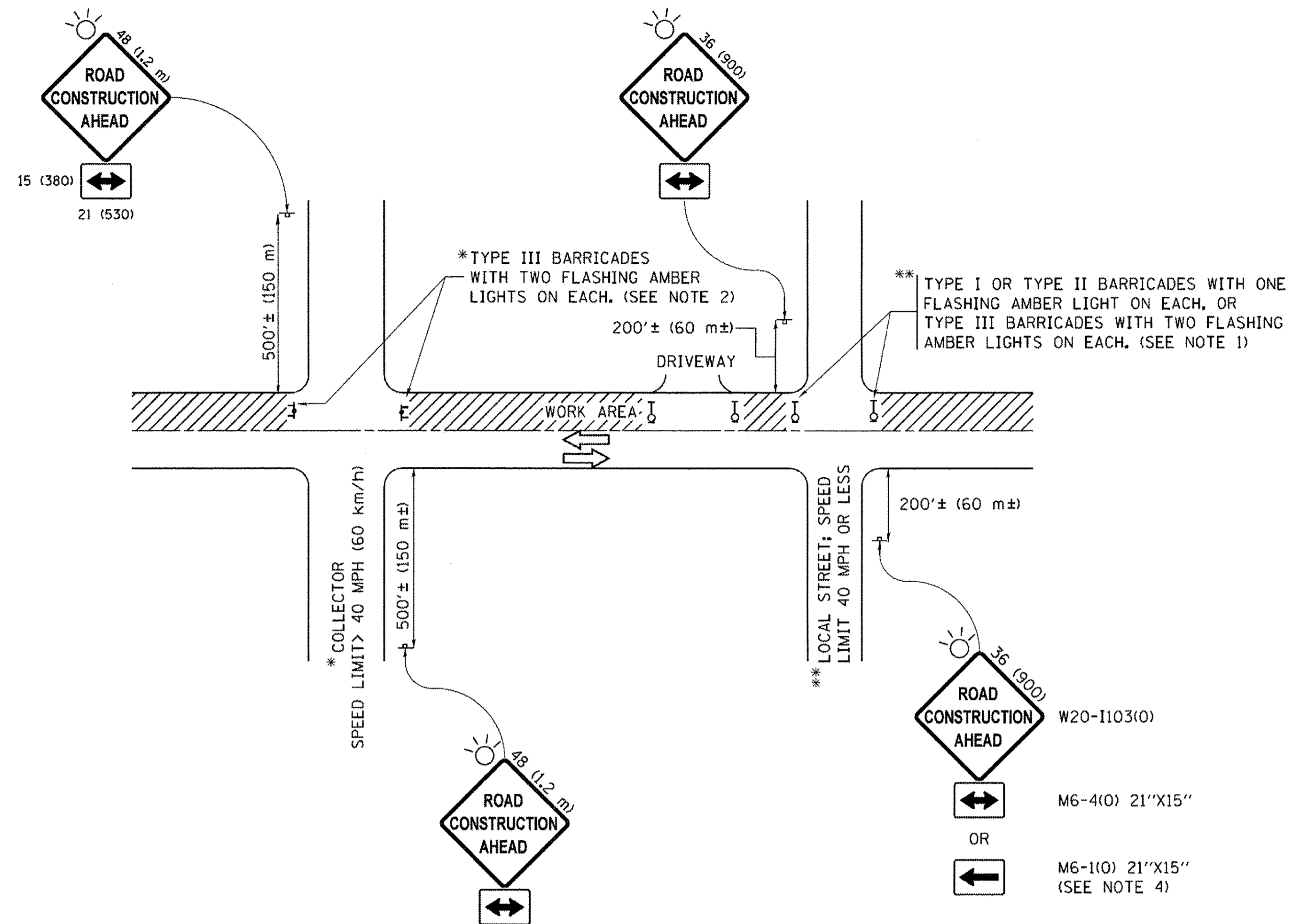
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

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 = geglionbt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>			F.A.U. RTE. 2695	SECTION 15-00076-00-BT	COUNTY COOK	TOTAL SHEETS 16	SHEET NO. 9
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD500-01 (BD-7)</b>		CONTRACT NO. 61038	
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94									
					FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							



**NOTES:**

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.

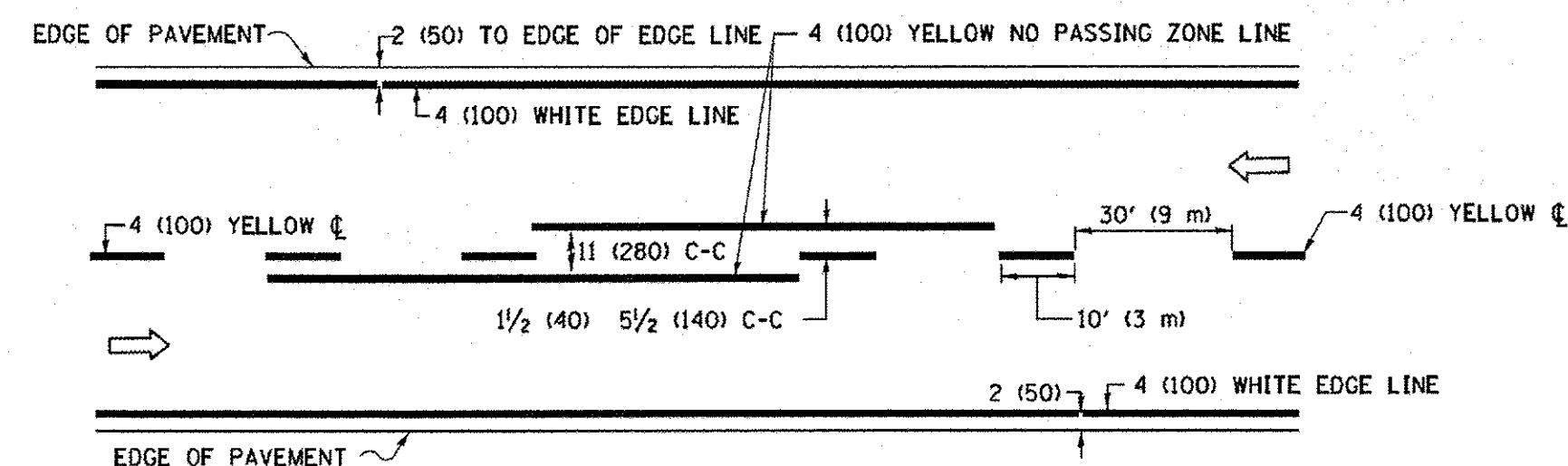
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pw\ILL084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\Drawn\CADData\CADsheets\tc10.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / 1 in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

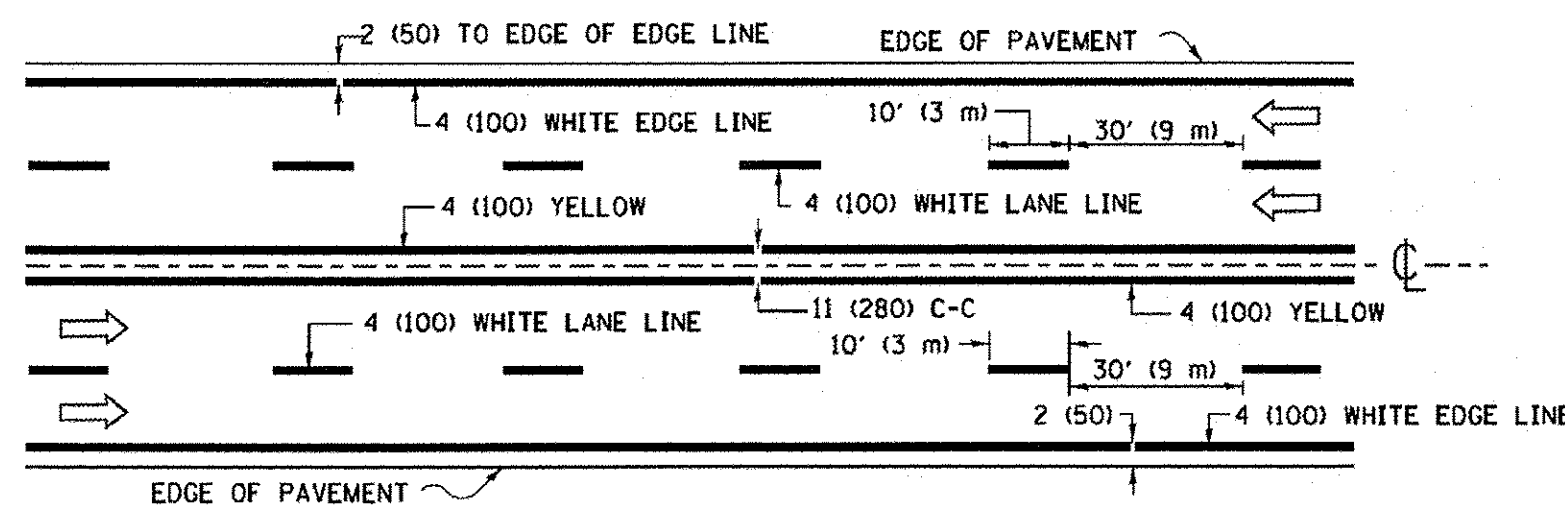
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

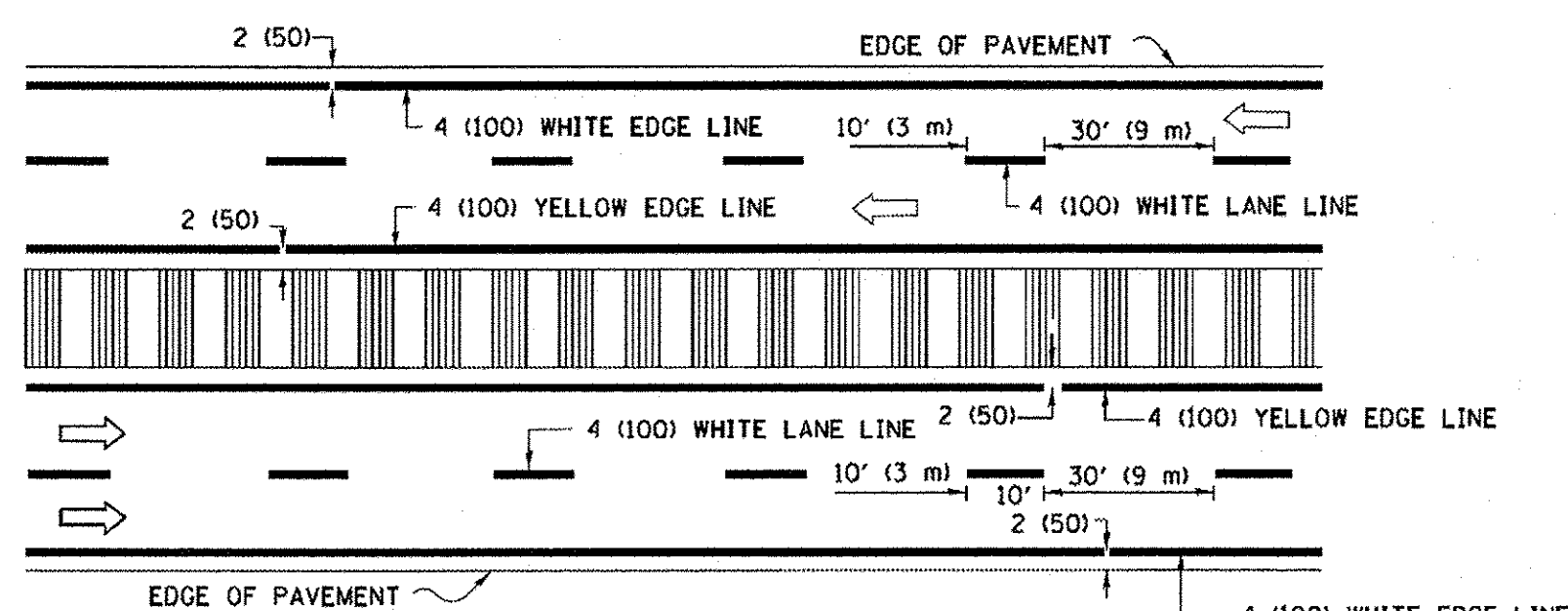
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	10
TC-10			CONTRACT NO. 41038	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

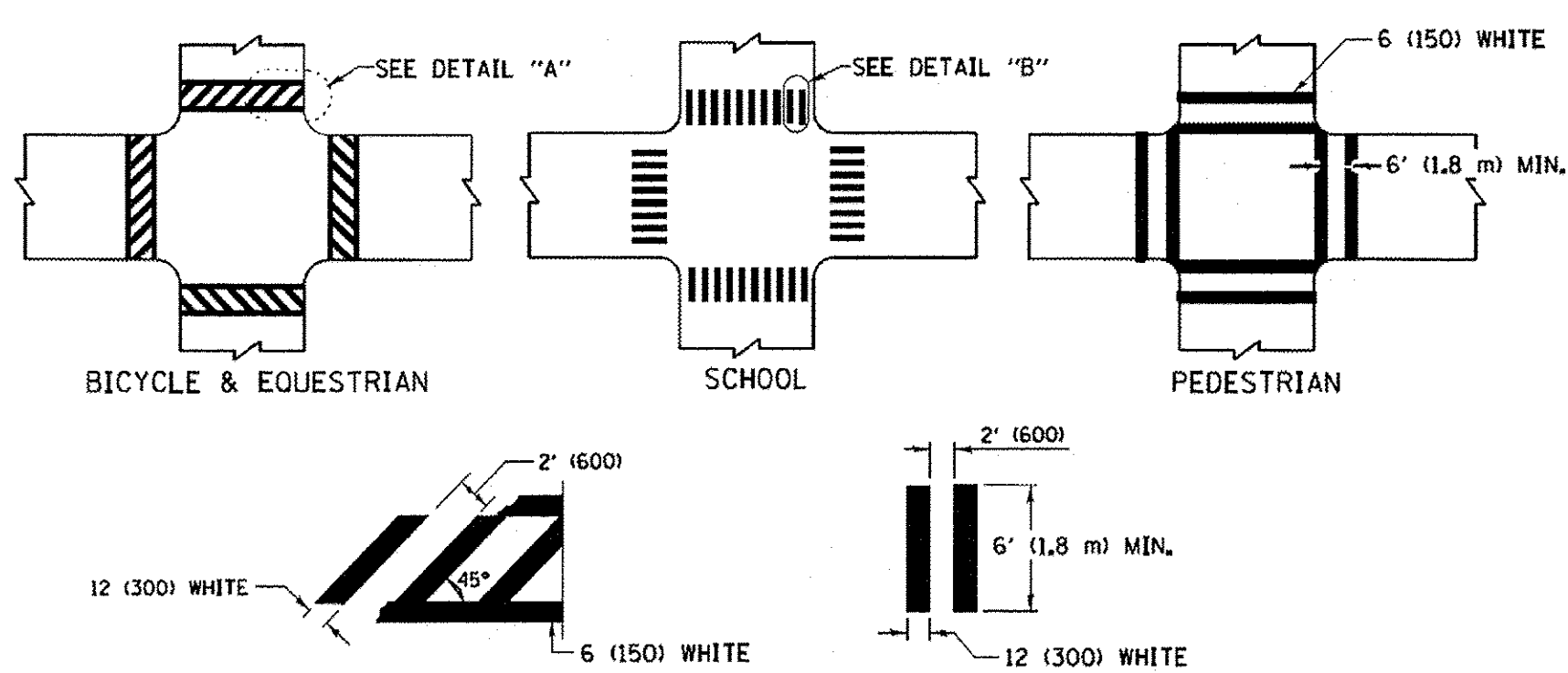


**MULTI-LANE UNDIVIDED**



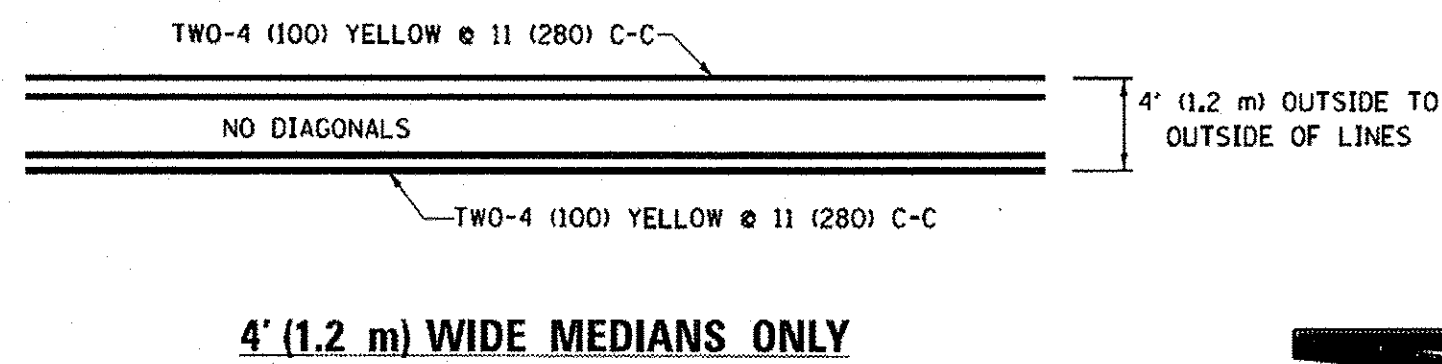
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

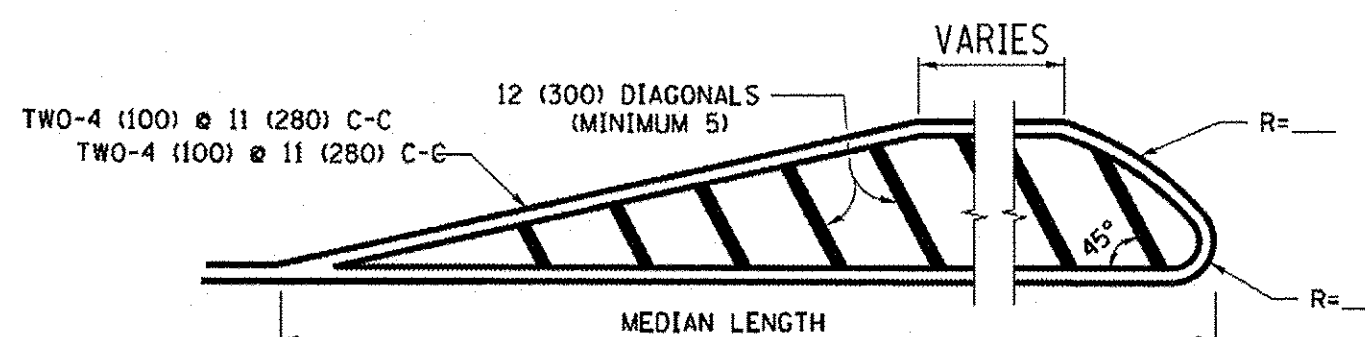


**DETAIL "A" TYPICAL CROSSWALK MARKING**

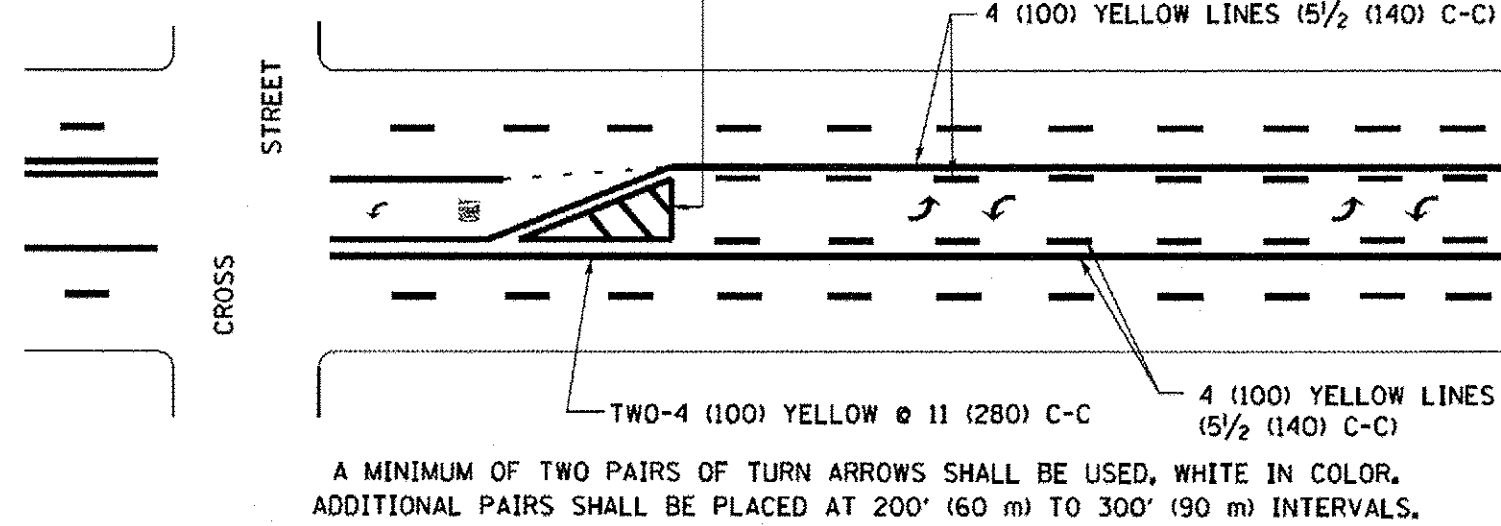
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



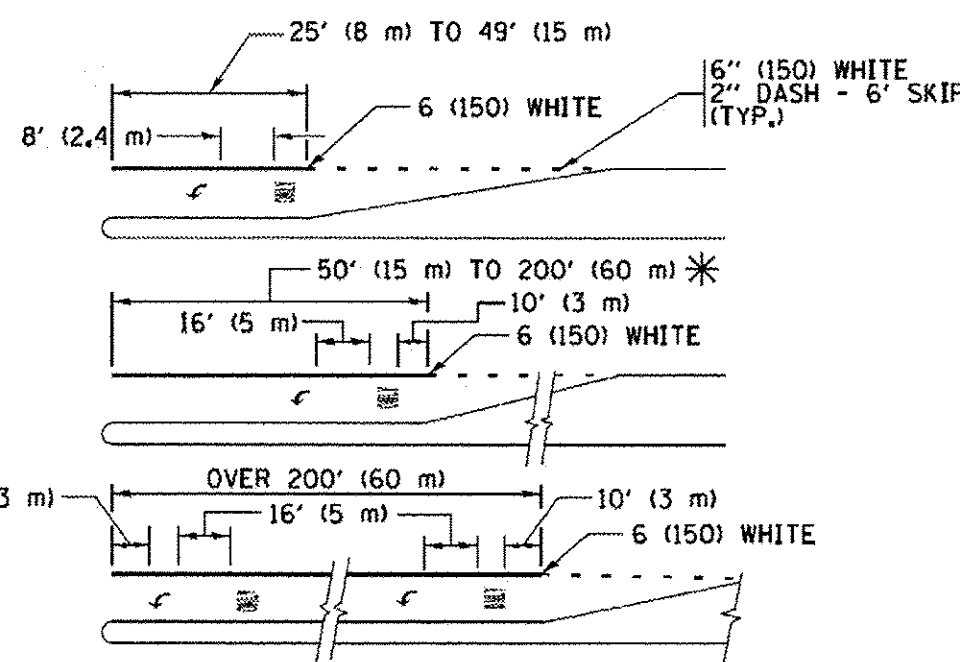
**4' (1.2 m) WIDE MEDIANS ONLY**



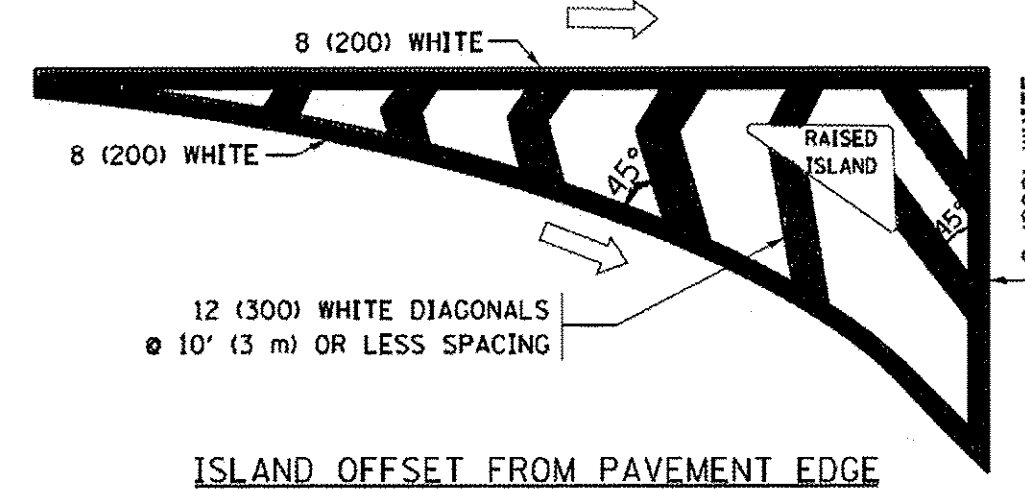
**MEDIANS OVER 4' (1.2 m) WIDE**



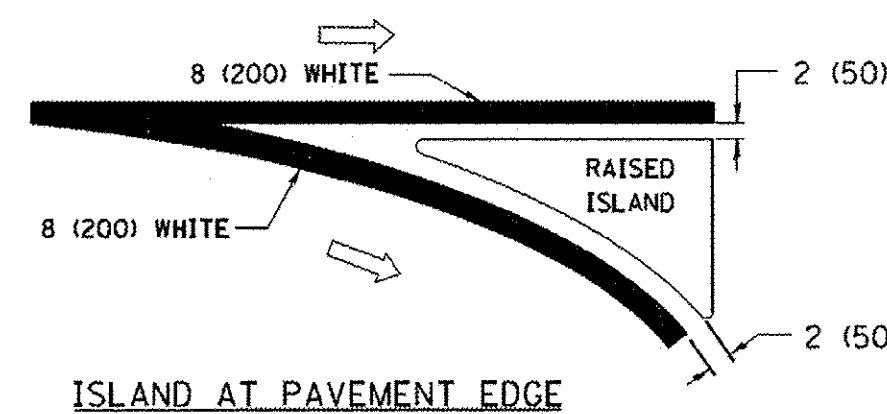
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



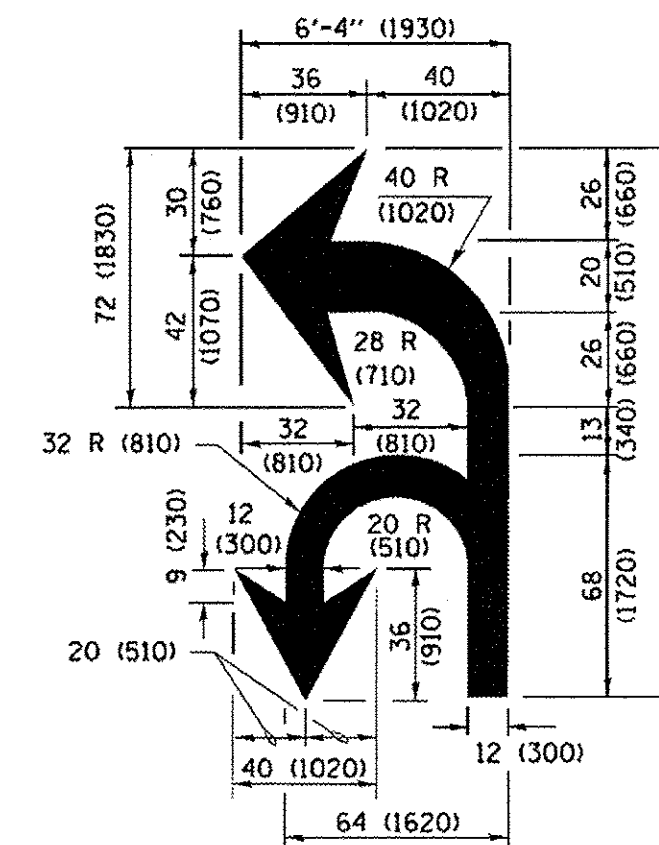
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**



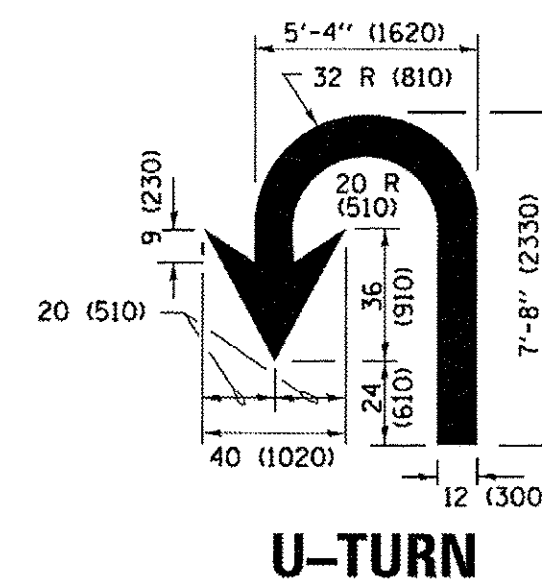
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE 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 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.
CORE 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' (4.5 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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' (22.5 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.

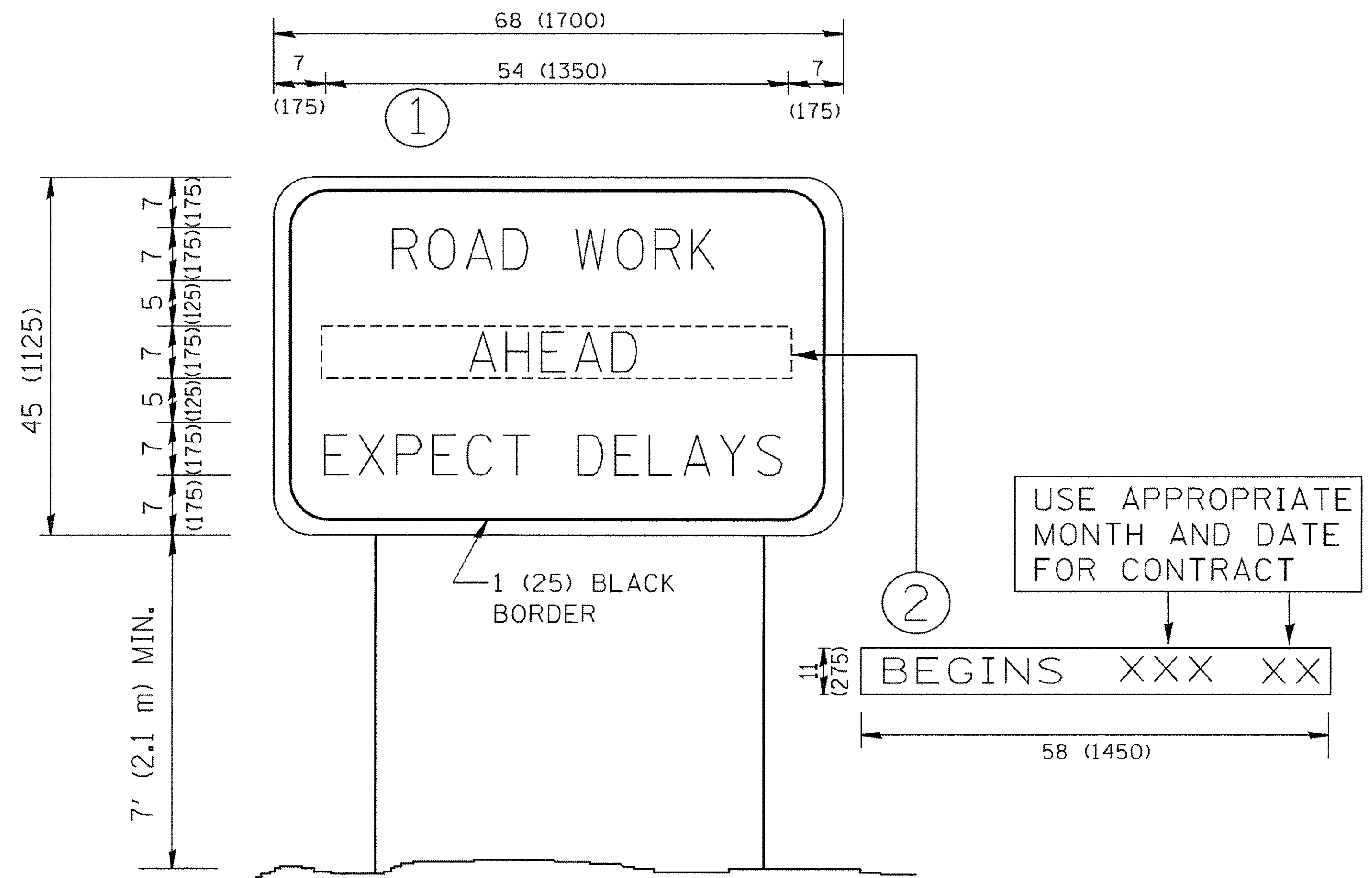
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pat\1\084E8IDNTEG\Illinois.gov\PIWDDT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN CADData\CADsheets\tcl3.dgn	CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000 / 1 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**

<b>DISTRICT ONE TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	11
TC-13			CONTRACT NO. 61033	
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 =	USER NAME = geglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97
W:\dststd\22x34\to22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

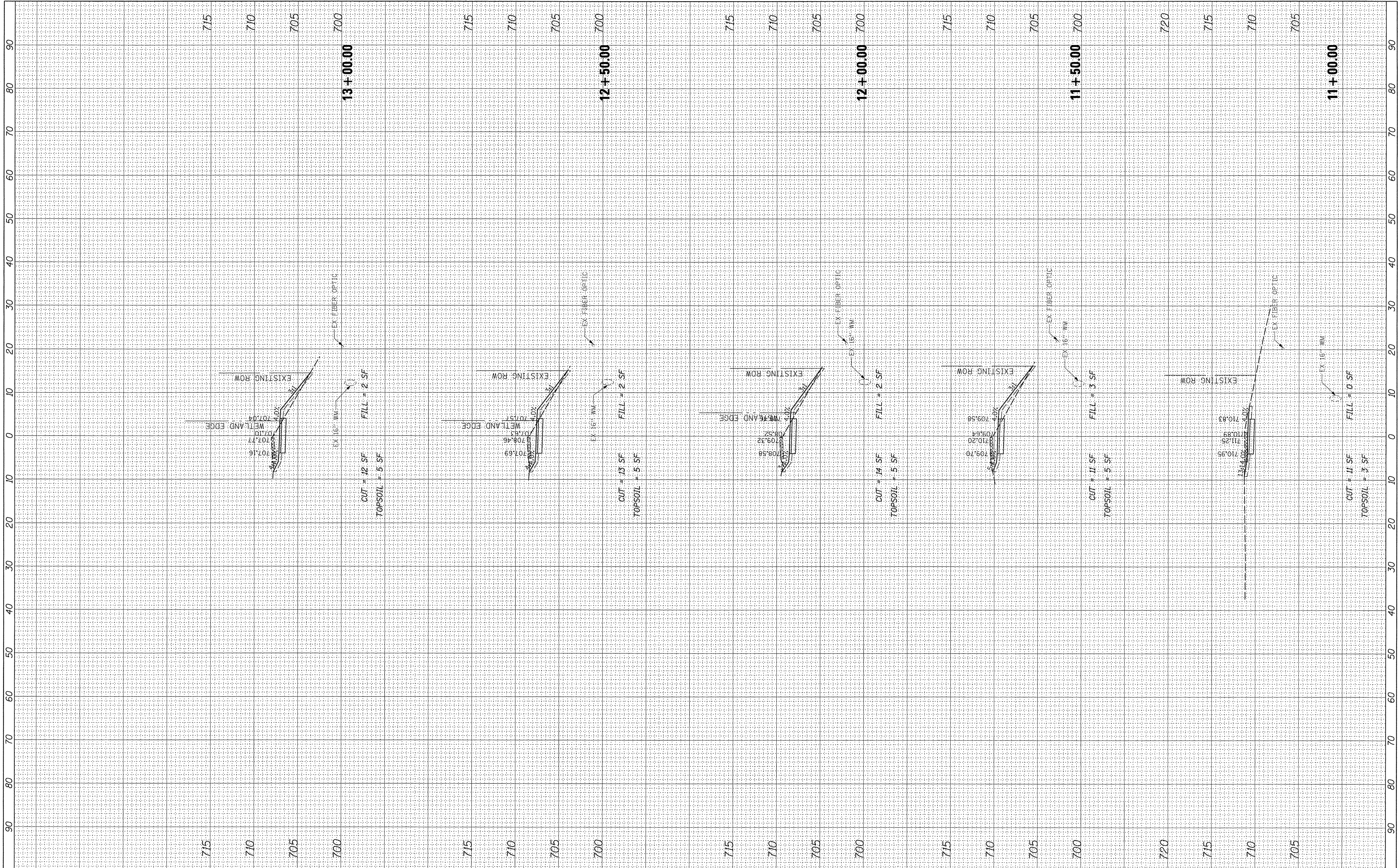
**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	12
TC-22		CONTRACT NO. 21038		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		



FILE NAME = N:\ORLANDPARK\150676\Civi1\XS\_150676.dgn  
 USER NAME = mthomas  
 PLOT SCALE = 10'  
 PLOT DATE = 11/8/2016

DESIGNED -	CJM	REVISED -	
DRAWN -	CJM	REVISED -	
CHECKED -	JGS	REVISED -	
DATE -	10/17/16	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

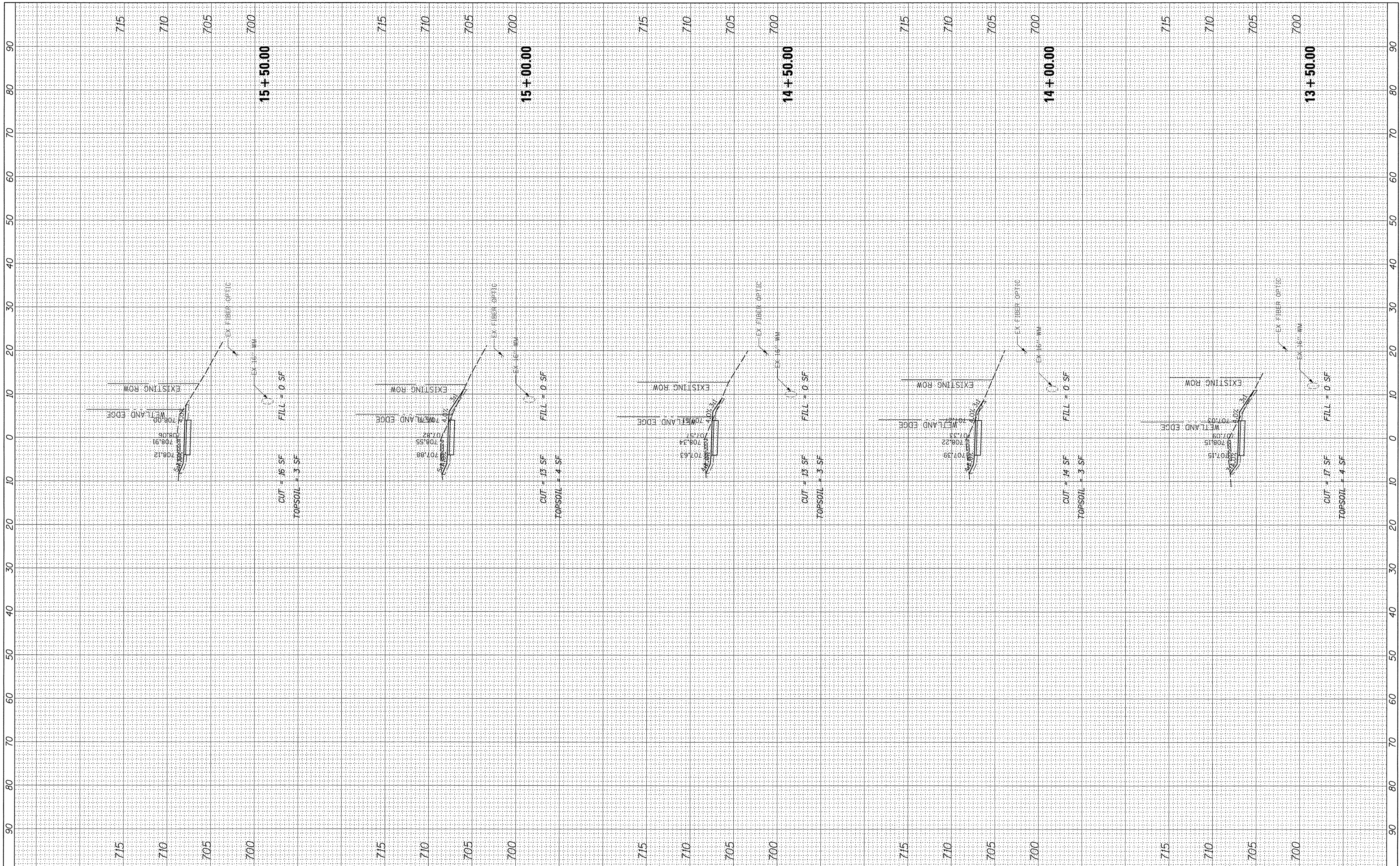
**108TH AVE. BIKE TRAIL  
 CROSS SECTIONS**

SCALE: 10'H - 5"V SHEET 1 OF 4 SHEETS STA. 11+00.00 TO STA. 13+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	13
CONTRACT NO. 61038			ILLINOIS FED. AID PROJECT	

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

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



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 PLOT SCALE = 10'  
 PLOT DATE = 11/8/2016

DESIGNED -	CJM	REVISED -	
DRAWN -	CJM	REVISED -	
CHECKED -	JGS	REVISED -	
DATE -	10/17/16	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**108TH AVE. BIKE TRAIL  
CROSS SECTIONS**

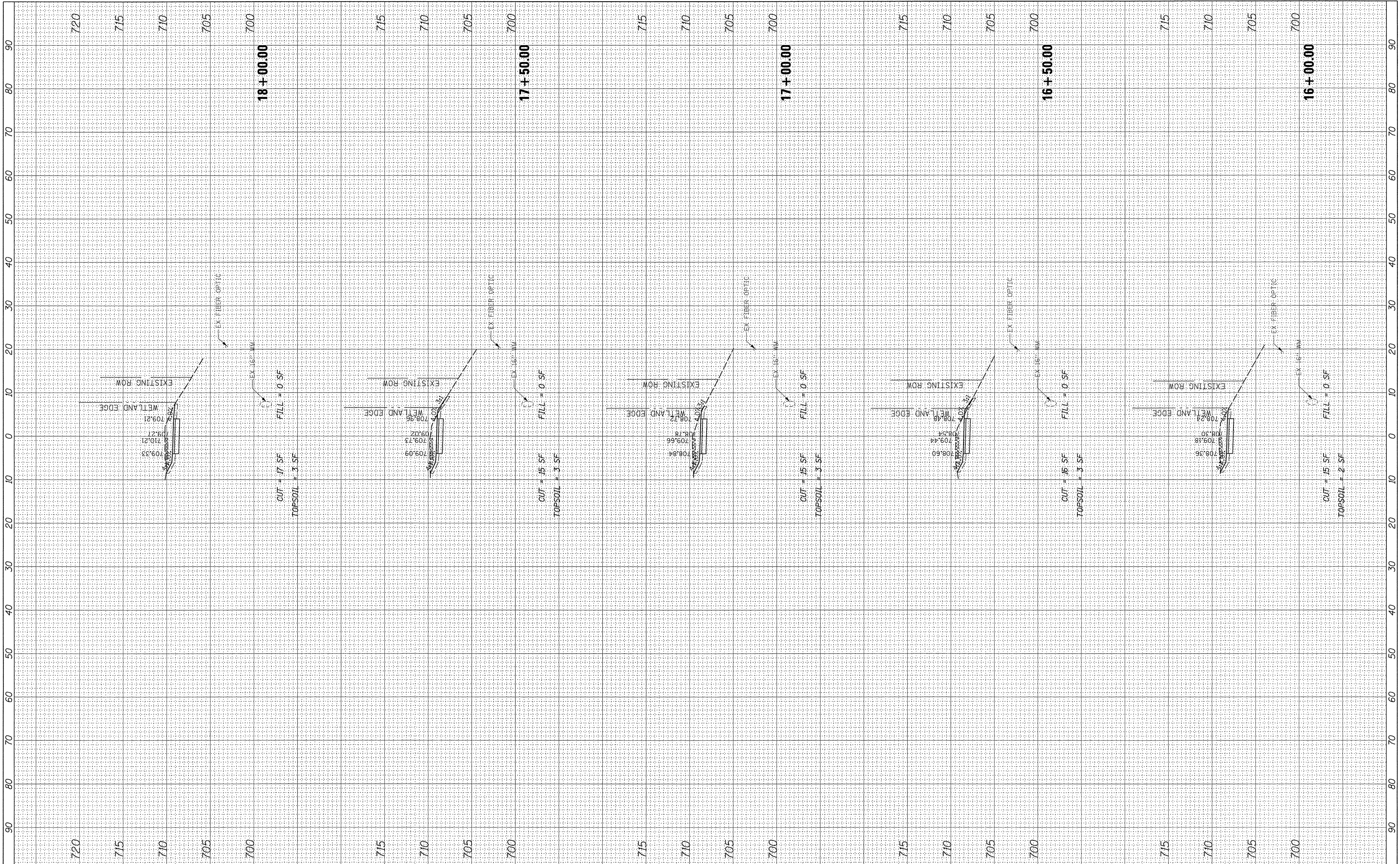
SCALE: 10'H - 5'V SHEET 2 OF 4 SHEETS STA. 13+50.00 TO STA. 15+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	14
CONTRACT NO. 41038				

ILLINOIS FED. AID PROJECT

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

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



FILE NAME = N:\ORLANDPARK\150676\C1v1\XS\_150676.dgn

USER NAME = mthomas  
 PLOT SCALE = 10'  
 PLOT DATE = 11/8/2016

DESIGNED - CJM  
 DRAWN - CJM  
 CHECKED - JGS  
 DATE - 10/17/16

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

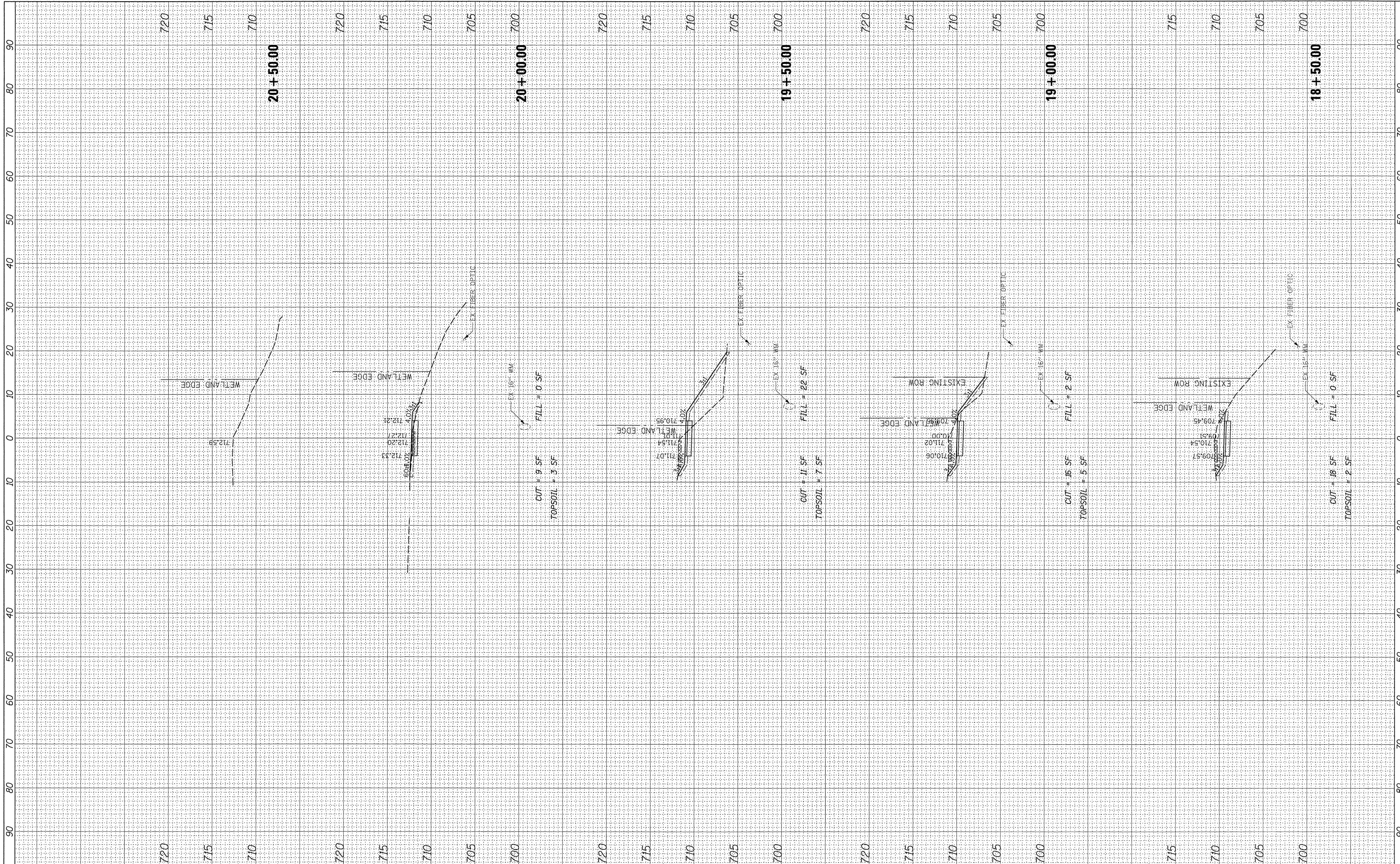
**108TH AVE. BIKE TRAIL  
 CROSS SECTIONS**

SCALE: 10'H - 5'V SHEET 3 OF 4 SHEETS STA. 16+00.00 TO STA. 18+00.00

F.A.U. RTE. 2695	SECTION 15-00076-00-BT	COUNTY COOK	TOTAL SHEETS 16	SHEET NO. 15
CONTRACT NO. 61838			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	REPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	REPLATE		
	AREAS CHECKED		



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USER NAME = mthomas  
 DESIGNED - CJM  
 DRAWN - CJM  
 CHECKED - JGS  
 DATE - 10/17/16

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**108TH AVE. BIKE TRAIL  
 CROSS SECTIONS**

SCALE: 10'H - 5'V SHEET 4 OF 4 SHEETS STA. 18+50.00 TO STA. 20+50.00

F.A.U. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2695	15-00076-00-BT	COOK	16	16
CONTRACT NO. 61038			ILLINOIS FED. AID PROJECT	