

261 MH. TY. A, 7 FT. DIA., TIF, CL
 STA. 376+75 44ft LT.
 LID 629.80
 INV. (S) 626.56
 INV. (E) 624.10
 INV. (W) 620.75

272 MH. TY. A, 7 FT. DIA., TIF, CL
 STA. 382+75 44ft LT.
 LID 639.80
 INV. (S) 636.51
 INV. (E) 626.35
 INV. (W) 626.35

262 INLET TY. B, TY. 3V F&G
 STA. 376+75, 32.5ft LT.
 GRATE 629.88
 INV. (S) 626.62
 INV. (N) 626.62

273 INLET TY. B, TY. 3V F&G
 STA. 382+75, 32.5ft LT.
 GRATE 639.83
 INV. (S) 636.57
 INV. (N) 636.57

263 INLET TY. B, TY. 3V F&G
 STA. 376+75, 32.5ft RT.
 GRATE 629.88
 INV. (S) 626.96
 INV. (N) 626.96

274 INLET TY. A, TY. 3V F&G
 STA. 382+75, 32.5ft RT.
 GRATE 639.83
 INV. (N) 636.90

264 INLET TY. A, TY. 8 GRATE
 STA. 376+75, 57ft RT.
 GRATE 628.75
 INV. (N) 627.06

275 MH. TY. A, 7 FT. DIA., TIF, CL
 STA. 383+75 44ft LT.
 LID 640.20
 INV. (S) 637.54
 INV. (E) 626.55
 INV. (W) 626.55

265 MH. TY. A, 4 FT. DIA., T8 GRATE
 STA. 378+09 53ft RT.
 LID 632.00
 INV. (S) CONNECT TO EXIST. 12" RCP
 INV. (NE) 628.40

276 INLET TY. B, TY. 3V F&G
 STA. 383+75, 32.5ft LT.
 GRATE 640.85
 INV. (S) 637.60
 INV. (N) 637.60

266 MH. TY. A, 7 FT. DIA., TIF, CL
 STA. 378+50 44ft LT.
 LID 634.80
 INV. (S) 627.77
 INV. (E) 625.45
 INV. (W) 625.25

277 INLET TY. A, TY. 3V F&G
 STA. 383+75, 32.5ft RT.
 GRATE 640.85
 INV. (N) 637.93

267 INLET TY. B, TY. 3V F&G
 STA. 378+50, 32.5ft LT.
 GRATE 634.17
 INV. (S) 627.84
 INV. (N) 627.83

278 MH. TY. A, 5 FT. DIA., TIF, CL
 STA. 384+58 44ft LT.
 LID 640.00
 INV. (S) 637.36
 INV. (E) 627.07
 INV. (W) 626.75

268 INLET TY. B, TY. 3V F&G
 STA. 378+50, 32.5ft RT.
 GRATE 634.17
 INV. (SW) 628.18
 INV. (N) 628.18

279 INLET TY. B, TY. 3V F&G
 STA. 384+57, 32.5ft LT.
 GRATE 640.68
 INV. (S) 637.42
 INV. (N) 637.42

269 MH. TY. A, 7 FT. DIA., TIF, CL
 STA. 380+25 44ft LT.
 LID 638.30
 INV. (S) 634.33
 INV. (E) 625.85
 INV. (W) 625.85

280 INLET TY. A, TY. 3V F&G
 STA. 384+57, 32.5ft RT.
 GRATE 640.68
 INV. (N) 637.76

270 INLET TY. B, TY. 3V F&G
 STA. 380+25, 32.5ft LT.
 GRATE 637.65
 INV. (S) 634.40
 INV. (N) 634.39

281 EXIST. MH. TY. A, 5 FT. DIA., TIF, CL
 STA. 385+85 20ft LT.
 LID 641.07
 INV. (E) 627.70 (EXIST)
 INV. (W) 627.50

271 INLET TY. A, TY. 3V F&G
 STA. 380+25, 32.5ft RT.
 GRATE 637.65
 INV. (N) 634.73

FOR PLAN AND PROFILE VIEWS OF THESE DRAINAGE STRUCTURES, SEE PREVIOUS PAGE

•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE US 34		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -				591	*	KENDALL	533	201
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -				CONTRACT NO. 66993				
	PLOT DATE = 2/2/2017						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET 15	OF 15 SHEETS	STA.	TO STA.			

SW 1/4 OF SEC. 19, T. 37 N., R. 7 E., 3RD P.M.

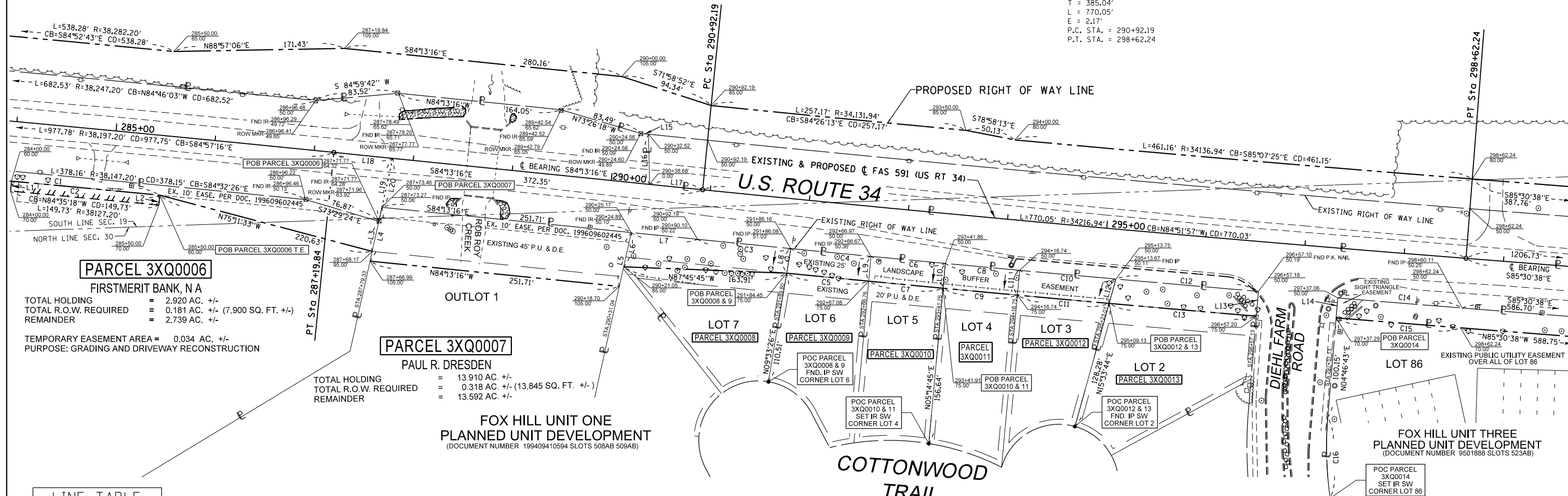


PROP. CURVE 34CL1-6
PI STA. = 282+30.97
Δ = 1° 28' 00" (RT)
D = 0° 09' 00"
R = 38,197.20'
T = 488.92'
L = 977.78'
E = 3.13'
P.C. STA. = 277+42.06
P.T. STA. = 287+19.84

PARCEL 3XQ0004

CHICAGO TITLE LAND TRUST COMPANY,
SUCCESSOR TRUSTEE TRUST NO. 47016
(SEE SHEET 1 FOR AREAS)

PROP. CURVE 34CL1-7
PI STA. = 294+77.23
Δ = 1° 17' 22" (LT)
D = 0° 10' 03"
R = 34,216.94'
T = 385.04'
L = 770.05'
E = 2.17'
P.C. STA. = 290+92.19
P.T. STA. = 298+62.24



PARCEL 3XQ0006
FIRSTMERIT BANK, N A
TOTAL HOLDING = 2.920 AC. +/-
TOTAL R.O.W. REQUIRED = 0.181 AC. +/- (7,900 SQ. FT. +/-)
REMAINDER = 2.739 AC. +/-
TEMPORARY EASEMENT AREA = 0.034 AC. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

PARCEL 3XQ0007
PAUL R. DRESDEN
TOTAL HOLDING = 13.910 AC. +/-
TOTAL R.O.W. REQUIRED = 0.318 AC. +/- (13,845 SQ. FT. +/-)
REMAINDER = 13.592 AC. +/-

**FOX HILL UNIT ONE
PLANNED UNIT DEVELOPMENT**
(DOCUMENT NUMBER 199409410594 SLOTS 508AB 509AB)

PARCEL 3XQ0010
THOMAS W. JOSLIN
TOTAL HOLDING = 13,722 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 1,875 SQ. FT. +/-
REMAINDER = 11,847 SQ. FT. +/-

PARCEL 3XQ0013
JOBIE O. HULON, et ux.
TOTAL HOLDING = 21,767 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 3,651 SQ. FT. +/-
REMAINDER = 18,116 SQ. FT. +/-

PARCEL 3XQ0014
THE OAKS AT FOX HILL TOWNHOMES ASSOCIATION, INC.
TOTAL HOLDING = 0.327 AC. +/-
TOTAL R.O.W. REQUIRED = 0.327 AC. +/- (14,244 SQ. FT. +/-)
REMAINDER = 0.000 AC. +/-

LINE TABLE

NO.	BEARING	DISTANCE
L1	N05°17'57"E	10.00'
L2	S05°31'27"W	10.00'
L3	S12°29'01"W	30.89'
L4	N12°29'01"E	55.38'
L5	S12°29'01"W	55.38'
L6	N12°29'01"E	35.24'
L7	S84°13'16"E	67.03'
L8	S09°33'26"W	25.06'
L9	S05°14'45"W	25.00'
L10	S05°14'45"W	25.00'
L11	S05°14'45"W	25.00'
L12	S15°33'44"W	25.42'
L13	S04°46'43"W	25.00'
L14	N04°46'43"E	20.00'
L15	N84°13'16"W	7.97'
L16	N01°14'36"W	50.38'
L17	N84°13'16"W	53.51'
L18	S84°13'16"E	59.50'
L19	S12°29'01"W	64.76'
L20	S12°29'01"W	50.34'

CURVE TABLE

NO.	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	232.07'	38,137.20'	N84°39'01"W	232.07'
C2	149.76'	38,137.20'	S84°35'18"E	149.76'
C3	94.11'	34,266.94'	S84°17'59"E	94.11'
C4	80.93'	34,266.94'	S84°26'46"E	80.93'
C5	82.81'	34,291.94'	N84°26'41"W	82.81'
C6	75.00'	34,266.94'	S84°34'35"E	75.00'
C7	75.00'	34,291.94'	N84°34'36"W	75.00'
C8	75.00'	34,266.94'	S84°42'07"E	75.00'
C9	75.00'	34,291.94'	N84°42'07"W	75.00'
C10	97.15'	34,266.94'	S84°50'45"E	97.15'
C11	92.59'	34,291.94'	N84°50'31"W	92.59'
C12	143.64'	34,266.94'	S85°02'50"E	143.64'
C13	148.40'	34,291.94'	N85°02'36"W	148.40'
C14	125.36'	34,266.94'	S85°24'21"E	125.36'
C15	125.46'	34,286.94'	N85°24'21"W	125.46'
C16	81.56'	359.98'	N01°42'42"W	81.38'

PARCEL 3XQ0008
JESUS DIAZ, et ux.
TOTAL HOLDING = 17,371 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 4,851 SQ. FT. +/-
REMAINDER = 12,520 SQ. FT. +/-

PARCEL 3XQ0009
MICHAEL O. WILLIAMS, et al.
TOTAL HOLDING = 14,297 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 2,047 SQ. FT. +/-
REMAINDER = 12,250 SQ. FT. +/-

PARCEL 3XQ0011
JOSE HERNANDEZ, et al.
TOTAL HOLDING = 14,105 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 1,875 SQ. FT. +/-
REMAINDER = 12,230 SQ. FT. +/-

PARCEL 3XQ0012
PAULA J. WHEET
TOTAL HOLDING = 13,251 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 2,372 SQ. FT. +/-
REMAINDER = 10,879 SQ. FT. +/-

NW 1/4 OF SEC. 30, T. 37 N., R. 7 E., 3RD P.M.



SURVEYOR'S STATEMENT
I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
DATED _____
BY PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)
ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00004870
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

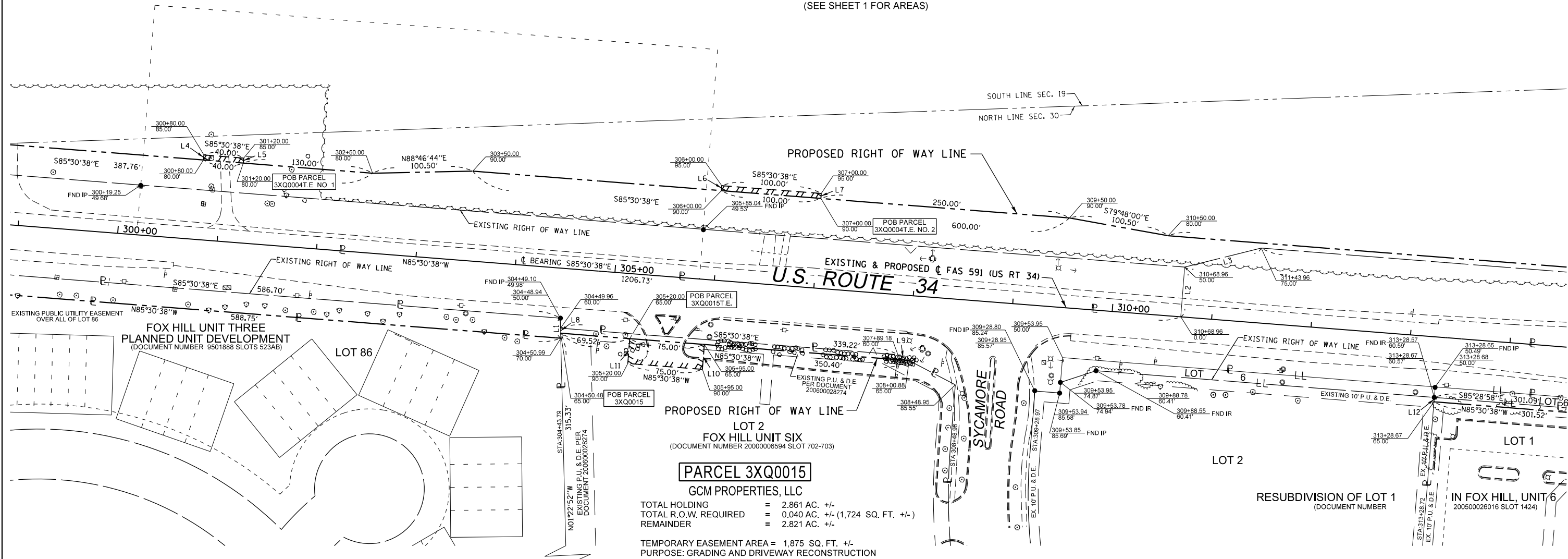
FILE NAME: p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP08\DRAWING\DATA\LEADSheets\EP03507-sht-R0W	USER NAME: woodger.jp	DESIGNED: -	REVISED 12/16/15 PVB REV PR ROW P7	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS	F.A.P. RTE.: 591	SECTION: (13)R-2((13)BRIC,(13 BR-1)BR)	COUNTY: KENDALL	TOTAL SHEETS: 533	SHEET NO.: 203
PLOT SCALE = 1/8" = 100.1308' / in.	CHECKED: -	REVISED 3/29/16 PVB NAME CHANGE P4	REVISED 8/26/16 MKB TOTAL TAKE 14	PROJECT: US ROUTE 34	JOB NO. R-93-010-13	US ROUTE 34		CONTRACT NO. 66993	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
PLOT DATE = 2/2/2017	DATE: -	REVISED 9/12/16 MKB CORRECTED NAME 14	SCALE: 1" = 50'	SHEET 2 OF 9 SHEETS	STA. 284+00.00 TO STA. 299+00.00					



SOUTH 1/2 OF SEC. 19, T. 37 N., R. 7 E., 3RD P.M.

PARCEL 3XQ0004

CHICAGO TITLE LAND TRUST COMPANY,
SUCCESSOR TRUSTEE TRUST NO. 47016
(SEE SHEET 1 FOR AREAS)



PARCEL 3XQ0014

THE OAKS AT FOX HILL TOWNHOMES ASSOCIATION, INC.
(SEE SHEET 3 FOR AREAS)

PARCEL 3XQ0015

GCM PROPERTIES, LLC
TOTAL HOLDING = 2.861 AC. +/-
TOTAL R.O.W. REQUIRED = 0.040 AC. +/- (1,724 SQ. FT. +/-)
REMAINDER = 2.821 AC. +/-
TEMPORARY EASEMENT AREA = 1,875 SQ. FT. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

PARCEL 3XQ0016

YORKVILLE-MARAZZI, L.L.C., et al.
TOTAL HOLDING = 3.522 AC. +/-
TOTAL R.O.W. REQUIRED = 0.030 AC. +/- (1,312 SQ. FT. +/-)
REMAINDER = 3.492 AC. +/-

LINE TABLE		
NO.	BEARING	DISTANCE
L1	S01°22'52"E	20.11'
L2	S04°29'22"W	50.00'
L3	S76°03'16"W	79.06'
L4	N04°29'22"E	5.00'
L5	S04°29'22"W	5.00'
L6	N04°29'22"E	5.00'
L7	S04°29'22"W	5.00'
L8	N01°22'52"W	5.03'
L9	S62°21'59"E	12.72'
L10	S04°29'22"W	25.00'
L11	N04°29'22"E	25.00'
L12	N04°31'48"E	4.43'

NORTH 1/2 OF SEC. 30, T. 37 N., R. 7 E., 3RD P.M.

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____
BY: PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00004870
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

FILE NAME: p:\1\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP03507\Drawings\AD\Drawings\EP03507-sht-R0W	USER NAME: woodger.jp	DESIGNED: -	REVISED: 3/29/16 PVB NAME CHANGE P4	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">RIGHT OF WAY PLANS</p>		F.A.P. RTE.: 591	SECTION: (13)R-2((13)BR,(13 BR-1)BR)	COUNTY: KENDALL	TOTAL SHEETS: 533	SHEET NO.: 204	
PLOT SCALE: 1/8" = 100'	CHECKED: -	REVISED: 8/26/16 MKB TOTAL TAKE 14	REVISED: 9/12/16 MKB CORRECTED NAME 14		PROJECT: US ROUTE 34	JOB NO.: R-93-010-13	US ROUTE 34	CONTRACT NO.: 66993				
PLOT DATE: 2/2/2017	DATE: -	REVISED: -	REVISED: -		SCALE: 1" = 50'	SHEET 3 OF 9 SHEETS	STA. 299+00.00 TO STA. 314+00.00	FED. ROAD DIST. NO.:	ILLINOIS	FED. AID PROJECT		

NORTH 1/2 OF SEC. 29, T. 37 N., R. 7 E., 3RD P.M.



PARCEL 3XQ0018

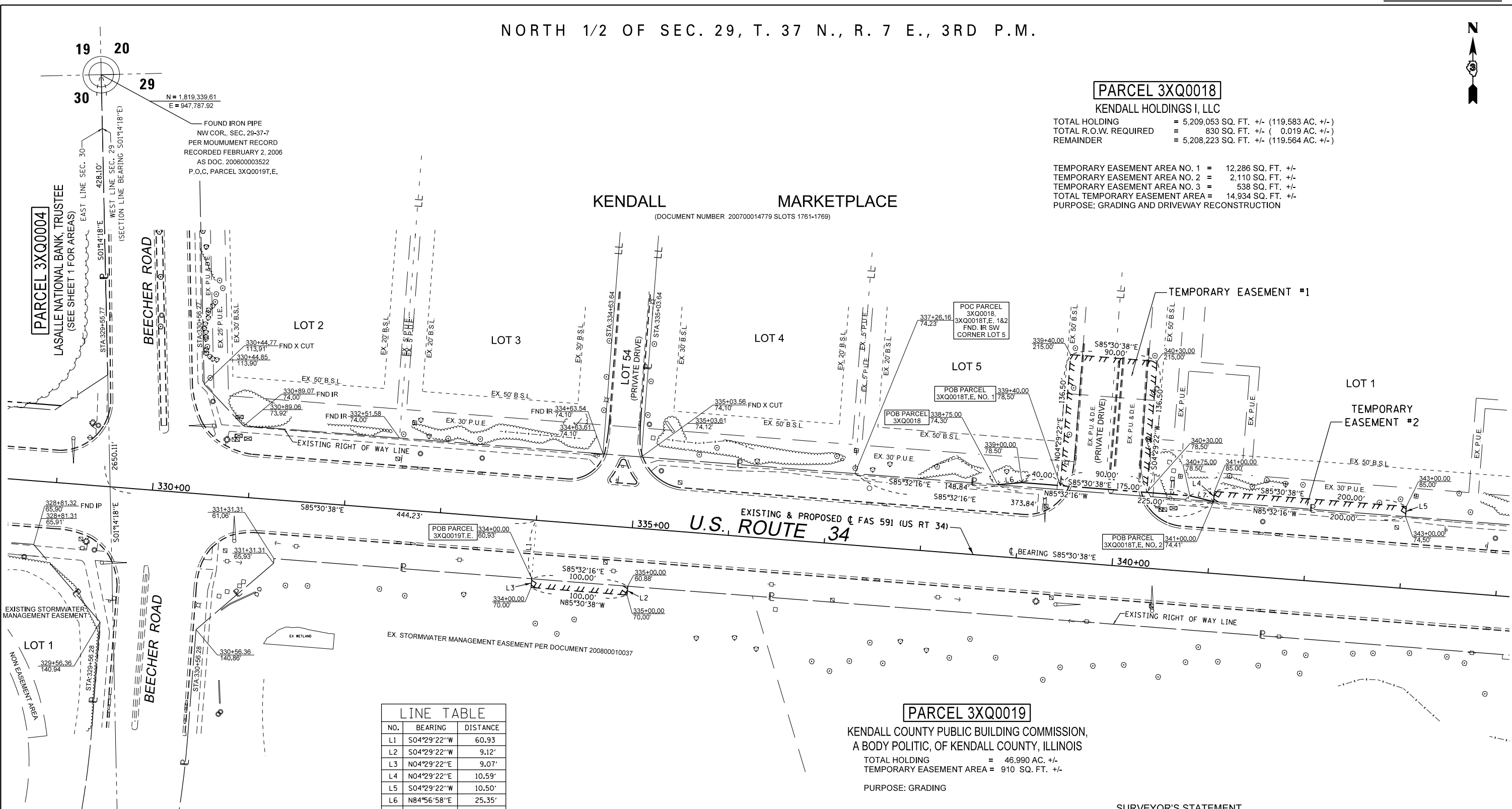
KENDALL HOLDINGS I, LLC

TOTAL HOLDING = 5,209,053 SQ. FT. +/- (119.583 AC. +/-)
 TOTAL R.O.W. REQUIRED = 830 SQ. FT. +/- (0.019 AC. +/-)
 REMAINDER = 5,208,223 SQ. FT. +/- (119.564 AC. +/-)

TEMPORARY EASEMENT AREA NO. 1 = 12,286 SQ. FT. +/-
 TEMPORARY EASEMENT AREA NO. 2 = 2,110 SQ. FT. +/-
 TEMPORARY EASEMENT AREA NO. 3 = 538 SQ. FT. +/-
 TOTAL TEMPORARY EASEMENT AREA = 14,934 SQ. FT. +/-
 PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

KENDALL MARKETPLACE

(DOCUMENT NUMBER 200700014779 SLOTS 1761-1769)



LINE TABLE

NO.	BEARING	DISTANCE
L1	S04°29'22"W	60.93
L2	S04°29'22"W	9.12'
L3	N04°29'22"E	9.07'
L4	N04°29'22"E	10.59'
L5	S04°29'22"W	10.50'
L6	N84°56'58"E	25.35'
L7	S76°12'34"E	25.33'

PARCEL 3XQ0019

KENDALL COUNTY PUBLIC BUILDING COMMISSION,
 A BODY POLITIC, OF KENDALL COUNTY, ILLINOIS

TOTAL HOLDING = 46,990 AC. +/-
 TEMPORARY EASEMENT AREA = 910 SQ. FT. +/-
 PURPOSE: GRADING

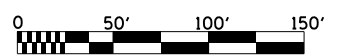
SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DATED _____

BY: PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.

GRID TO GROUND COMBINED FACTOR = 1.00004870

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

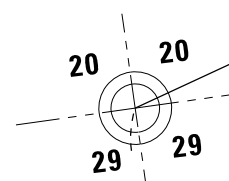
FILE NAME	USER NAME = woodjer_jp	DESIGNED -	REVISED 12/21/15 PVB ADD 3X00018	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	RIGHT OF WAY PLANS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\Illinois.gov\PID001\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-R0W		CHECKED -	REVISED 1/28/16 MKB NAME CHANGE (18)		PROJECT	JOB NO. R-93-010-13	591	(13)R-2((13BR)C,(13 BR-1)BR)	KENDALL	533	206
		DATE -	REVISED 03/03/16 PVB AREA 3X00018		SCALE: 1" = 50'	SHEET 5 OF 9 SHEETS	US ROUTE 34		CONTRACT NO. 66993		
			REVISED 04/12/16 PVB EASE. PURP. P19		STA. 329+00.00 TO STA. 344+00.00		ILLINOIS FED. AID PROJECT				

NORTH 1/2 OF SEC. 29, T. 37 N., R. 7 E., 3RD P.M.



CURVE TABLE				
NO.	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	67.37'	7,397.00'	S79°15'24"E	67.37'
C2	47.62'	7,380.00'	N78°48'17"W	47.62'
C3	70.70'	7,522.00'	N79°57'58"W	70.70'
C4	113.95'	7,522.00'	S80°40'10"E	113.95'

LINE TABLE		
NO.	BEARING	DISTANCE
L1	N04°29'22"E	5.00'
L2	S04°29'22"W	5.00'
L3	S85°30'38"E	31.39'
L4	S85°30'38"E	65.00'
L5	S04°29'22"W	20.00'
L6	N85°30'38"W	65.00'
L7	N04°29'22"E	20.00'
L8	N46°22'46"E	40.16'
L9	S06°58'40"W	5.51'
L10	S66°48'22"W	51.69'
L11	S07°00'13"W	5.20'
L12	S08°18'57"W	17.02'
L13	N84°18'15"W	19.92'
L14	N09°45'52"E	30.00'
L15	S10°18'11"W	30.00'



FOUND IRON ROD
N 1/4 COR., SEC. 29-37-7
PER MONUMENT RECORD
RECORDED SEPTEMBER 14, 1981
AS DOC. 81-3533
POC PARCEL 3XQ0020, 26, 27, 28 &
3XQ0020T.E. & 28T.E.
N=1,819,443.38
E=950,432.94

PROP. CURVE 34CL1-8
PI STA. = 358+75.36
 $\Delta = 12^\circ 53' 10''$ (RT)
 $D = 0^\circ 46' 10''$
 $R = 7,447.00'$
 $T = 840.98'$
 $L = 1,674.87'$
 $E = 47.34'$
P.C. STA. = 350+34.38
P.T. STA. = 367+09.24

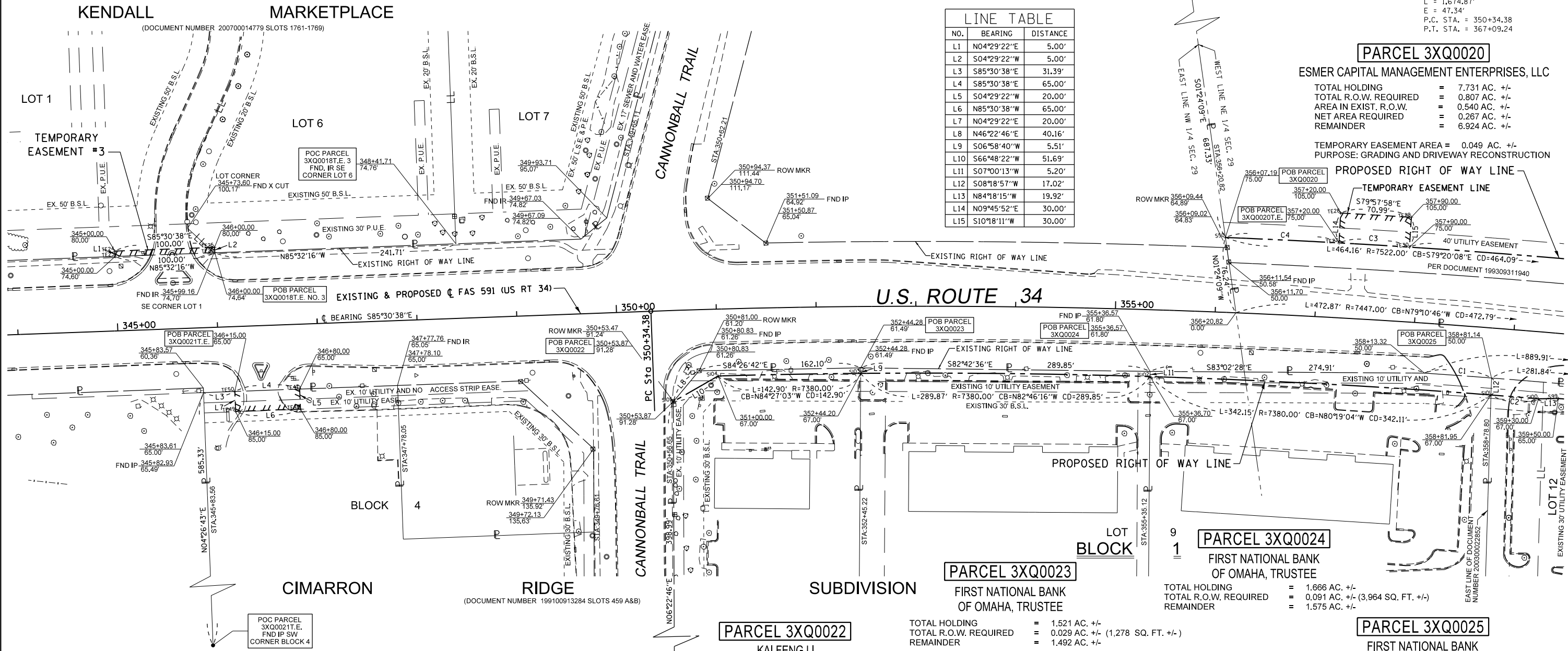
PARCEL 3XQ0018
KENDALL HOLDINGS I, LLC
(SEE SHEET 5 FOR AREAS)

PARCEL 3XQ0020
ESMER CAPITAL MANAGEMENT ENTERPRISES, LLC

TOTAL HOLDING = 7.731 AC. +/-
TOTAL R.O.W. REQUIRED = 0.807 AC. +/-
AREA IN EXIST. R.O.W. = 0.540 AC. +/-
NET AREA REQUIRED = 0.267 AC. +/-
REMAINDER = 6.924 AC. +/-

TEMPORARY EASEMENT AREA = 0.049 AC. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

PROPOSED RIGHT OF WAY LINE



PARCEL 3XQ0022
KAI FENG LI

TOTAL HOLDING = 0.940 AC. +/-
TOTAL R.O.W. REQUIRED = 0.027 AC. +/- (1,171 SQ. FT. +/-)
REMAINDER = 0.913 AC. +/-

PARCEL 3XQ0023
FIRST NATIONAL BANK
OF OMAHA, TRUSTEE

TOTAL HOLDING = 1.521 AC. +/-
TOTAL R.O.W. REQUIRED = 0.029 AC. +/- (1,278 SQ. FT. +/-)
REMAINDER = 1.492 AC. +/-

PARCEL 3XQ0024
FIRST NATIONAL BANK
OF OMAHA, TRUSTEE

TOTAL HOLDING = 1.666 AC. +/-
TOTAL R.O.W. REQUIRED = 0.091 AC. +/- (3,964 SQ. FT. +/-)
REMAINDER = 1.575 AC. +/-

PARCEL 3XQ0025
FIRST NATIONAL BANK
OF OMAHA, TRUSTEE

TOTAL HOLDING = 4.026 AC. +/-
TOTAL R.O.W. REQUIRED = 0.100 AC. +/- (4,335 SQ. FT. +/-)
REMAINDER = 3.926 AC. +/-

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DATED _____
BY: PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00004870

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

PARCEL 3XQ0019
KENDALL COUNTY PUBLIC BUILDING COMMISSION
A BODY POLITIC, OF KENDALL COUNTY, ILLINOIS
(SEE SHEET 5 FOR AREAS)

PARCEL 3XQ0021
FIRST NATIONAL BANK OF OTTAWA, TRUSTEE
TOTAL HOLDING = 2.430 AC. +/-
TEMPORARY EASEMENT AREA = 1,300 SQ. FT. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT: JOB NO. R-93-010-13
SHEET 6 OF 9 SHEETS
SCALE: 1" = 50'
STA. 344+00.00 TO STA. 359+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(13)R-2((13)BR,C,(13 BR-1)BR)	KENDALL	533	207
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO.			66993	

FILE NAME	USER NAME = woodyer.jp	DESIGNED -	REVISED 1/28/16 MKB NAME CHANGE (1B)
pw:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\100T Offices\District 3\Projects\EP03507-DR\Drawings\EA0\Sheets\EP03507-sht-R0W		CHECKED -	REVISED 3/4/16 MKB NAME CHANGE (21)
		DATE -	REV. 3/4/16 MKB NAME CHANGE (21,23 - 25)
			REVISED -

PARCEL 3XQ0026

PEPPERBLEND PROPERTY MANAGEMENT, LLC

TOTAL HOLDING = 1.000 AC. +/-
TOTAL R.O.W. REQUIRED = 0.258 AC. +/- (11,241 SQ. FT. +/-)
AREA IN EXIST. R.O.W. = 0.172 AC. +/- (7,496 SQ. FT. +/-)
NET AREA REQUIRED = 0.086 AC. +/- (3,745 SQ. FT. +/-)
REMAINDER = 0.742 AC. +/-

PARCEL 3XQ0027

HARVEST PROPERTY MANAGEMENT, LLC

TOTAL HOLDING = 5.261 AC. +/-
TOTAL R.O.W. REQUIRED = 0.274 AC. +/- (11,933 SQ. FT. +/-)
AREA IN EXIST. R.O.W. = 0.187 AC. +/- (8,136 SQ. FT. +/-)
NET AREA REQUIRED = 0.087 AC. +/- (3,797 SQ. FT. +/-)
REMAINDER = 4.987 AC. +/-

PARCEL 3XQ0028

DANNY V. FRANTZ, et al.

TOTAL HOLDING = 1.914 AC. +/-
TOTAL R.O.W. REQUIRED = 0.153 AC. +/- (6,661 SQ. FT. +/-)
REMAINDER = 1.761 AC. +/-

TEMPORARY EASEMENT AREA = 8,044 SQ. FT. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

PARCEL 3XQ0029

THE UNITED CITY OF YORKVILLE

TOTAL HOLDING = 0.617 AC. +/-
TOTAL R.O.W. REQUIRED = 0.429 AC. +/- (18,695 SQ. FT. +/-)
REMAINDER = 0.188 AC. +/-

PARCEL 3XQ0030

COUNTRYSIDE VILLAGES II, LLC

TOTAL HOLDING = 4.250 AC. +/-
TOTAL R.O.W. REQUIRED = 0.126 AC. +/- (5,484 SQ. FT. +/-)
REMAINDER = 4.124 AC. +/-

PARCEL 3XQ0031

YORKVILLE MOB, LLC

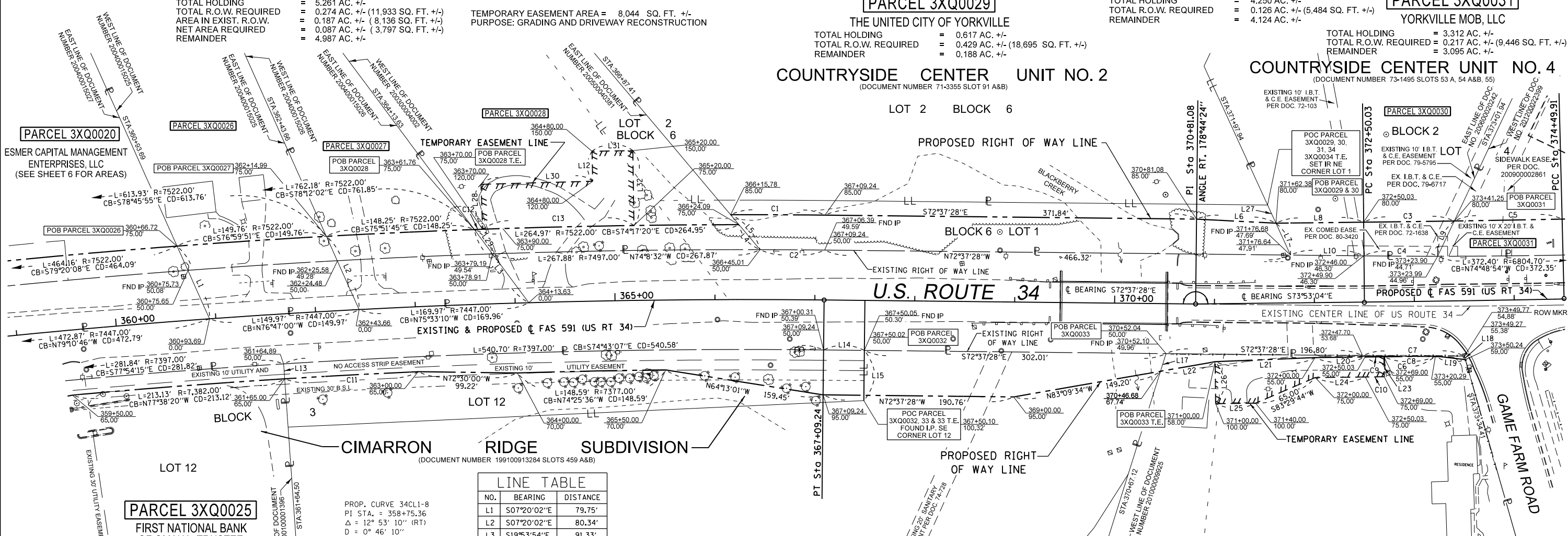
TOTAL HOLDING = 3.312 AC. +/-
TOTAL R.O.W. REQUIRED = 0.217 AC. +/- (9,446 SQ. FT. +/-)
REMAINDER = 3.095 AC. +/-

COUNTRYSIDE CENTER UNIT NO. 2

(DOCUMENT NUMBER 71-3355 SLOT 91 A&B)

COUNTRYSIDE CENTER UNIT NO. 4

(DOCUMENT NUMBER 73-1495 SLOTS 53 A, 54 A&B, 55)



PARCEL 3XQ0025

FIRST NATIONAL BANK OF OMAHA, TRUSTEE (SEE SHEET 6 FOR AREAS)

PROP. CURVE 34C11-8
PI STA. = 358+75.36
Δ = 12° 53' 10" (RT)
D = 0° 46' 10"
R = 7,447.00'
T = 840.98'
L = 1,674.87'
E = 47.34'
P.C. STA. = 350+34.38
P.T. STA. = 367+09.24

CURVE TABLE with columns: NO., ARC LENGTH, RADIUS, CHORD BEARING, CHORD LENGTH. Rows C1 through C13.

LINE TABLE

Table with columns: NO., BEARING, DISTANCE. Rows L1 through L29.

PARCEL 3XQ0032

DAVID L. FISHER, et ux.

TOTAL HOLDING = 10.309 AC. +/-
TOTAL R.O.W. REQUIRED = 0.577 AC. +/- (25,143 SQ. FT. +/-)
REMAINDER = 9.732 AC. +/-

LINE TABLE

Table with columns: NO., BEARING, DISTANCE. Rows NO., L30, L31, L32.

PARCEL 3XQ0033

SUSAN I. KRITZBERG, TRUSTEE

TOTAL HOLDING = 3.624 AC. +/-
TOTAL R.O.W. REQUIRED = 0.030 AC. +/- (1,325 SQ. FT. +/-)
REMAINDER = 3.594 AC. +/-

TEMPORARY EASEMENT AREA = 4,982 SQ. FT. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF...

DATED:
BY: PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.

GRID TO GROUND COMBINED FACTOR = 1.00004870

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

Project information table including File Name, User Name, Designated, Revised dates, State of Illinois Department of Transportation, Right of Way Plans, F.A.P. RTE., Section, County, Total Sheets, Sheet No., Plot Scale, Plot Date, Checked, Date, Project, Job No., Scale, Sheet 7 of 9, Stationing, Fed. Road Dist. No., and Contract No. 66993.

NORTHEAST 1/4 OF SEC. 29, T. 37 N., R. 7 E., 3RD P.M.

PROP. CURVE ROWREV2
 P1 STA. = 373+49.97
 Δ = 0° 29' 34" (LT)
 D = 0° 14' 48"
 R = 23,235.56'
 T = 99.94'
 L = 199.87'
 E = 0.21'
 P.C. STA. = 372+50.03
 P.T. STA. = 374+49.91

PARCEL 3XQ0031

YORKVILLE MOB, LLC
 (SEE SHEET 7 FOR AREAS)

PROP. CURVE ROWREV3
 P1 STA. = 378+34.31
 Δ = 6° 21' 15" (LT)
 D = 0° 49' 38"
 R = 6,925.33'
 T = 384.41'
 L = 768.02'
 E = 10.66'
 P.C. STA. = 374+49.91
 P.T. STA. = 382+17.93

LOT 4

PARCEL 3XQ0034
 DC FISHER PROPERTIES, LLC.

TOTAL HOLDING = 1.706 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.073 AC. +/- (3,174 SQ. FT. +/-)
 REMAINDER = 1.633 AC. +/-

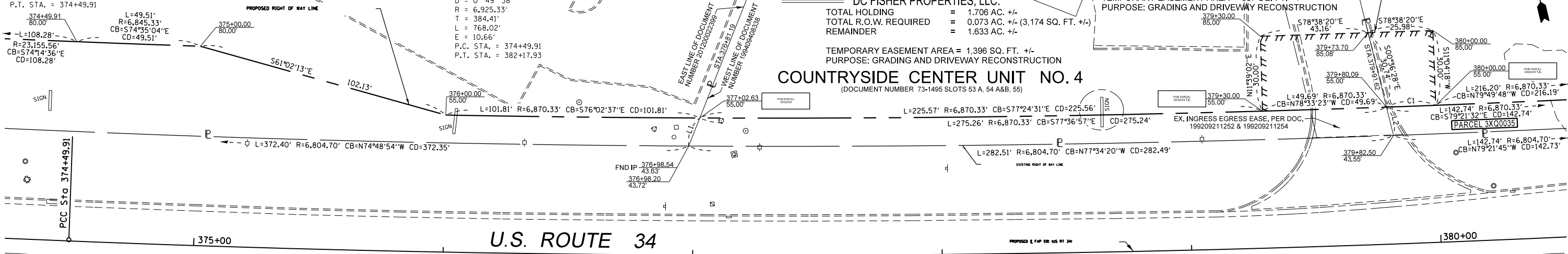
TEMPORARY EASEMENT AREA = 1,396 SQ. FT. +/-
 PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

COUNTRYSIDE CENTER UNIT NO. 4
 (DOCUMENT NUMBER 73-1495 SLOTS 53 A, 54 A&B, 55)

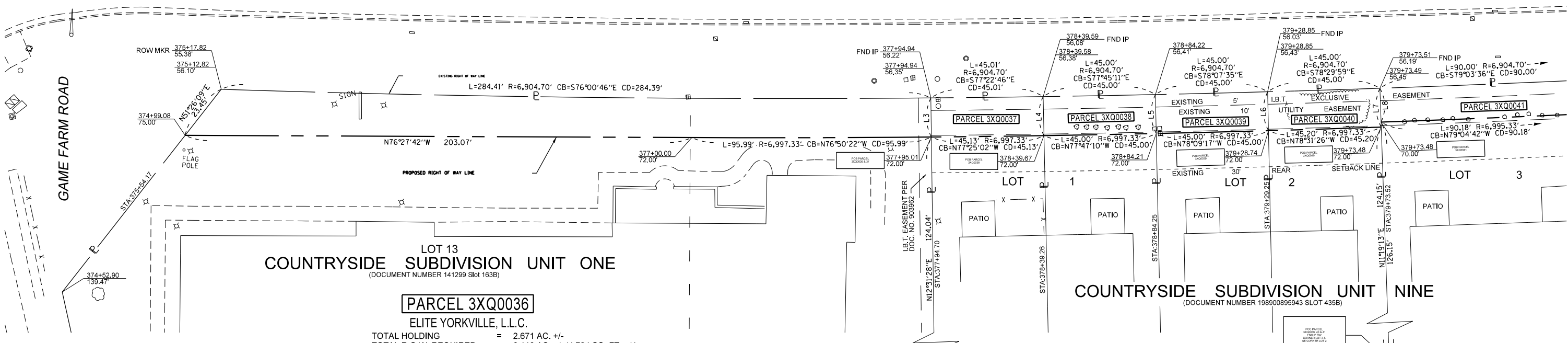
PARCEL 3XQ0035

JANET C. BOESET, TRUSTEE
 TOTAL HOLDING = 33,652 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 1,638 SQ. FT. +/-
 REMAINDER = 32,014 SQ. FT. +/-

TEMPORARY EASEMENT AREA = 687 SQ. FT. +/-
 PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION



U.S. ROUTE 34



LOT 13
COUNTRYSIDE SUBDIVISION UNIT ONE
 (DOCUMENT NUMBER 141299 Slot 163B)

PARCEL 3XQ0036

ELITE YORKVILLE, L.L.C.
 TOTAL HOLDING = 2.671 AC. +/-
 TOTAL R.O.W. REQUIRED = 0.110 AC. +/- (4,784 SQ. FT. +/-)
 REMAINDER = 2.561 AC. +/-

COUNTRYSIDE SUBDIVISION UNIT NINE
 (DOCUMENT NUMBER 198900895943 SLOT 435B)

PARCEL 3XQ0038

JAMES I. ALLEN, et ux
 TOTAL HOLDING = 6,286 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 702 SQ. FT. +/-
 REMAINDER = 5,584 SQ. FT. +/-

PARCEL 3XQ0040

DEBBY A. SCHAEFER
 TOTAL HOLDING = 6,414 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 702 SQ. FT. +/-
 REMAINDER = 5,712 SQ. FT. +/-

CURVE TABLE

NO.	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	19.76'	6,870.33'	N78°50'46"W	19.76'

LINE TABLE

NO.	BEARING	DISTANCE
L1	S34°50'05"W	12.11'
L2	S00°36'28"E	11.70'
L3	S12°31'28"W	15.65'
L4	S12°03'54"W	15.62'
L5	S12°03'54"W	15.59'
L6	S12°03'54"W	15.57'
L7	S11°19'13"W	15.55'
L8	S11°19'13"W	13.55'

SURVEYOR'S STATEMENT

I, PETER V. BURBULYS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. ROUTE 591 (US 34) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)

ALL AREAS ARE BASED ON GROUND DISTANCES.

GRID TO GROUND COMBINED FACTOR = 1.00004870

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

DATED _____
 BY _____
 PETER V. BURBULYS, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)

PARCEL 3XQ0037

EDWARD J. SOUKUP, JR., et ux.
 TOTAL HOLDING = 6,366 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 705 SQ. FT. +/-
 REMAINDER = 5,661 SQ. FT. +/-

PARCEL 3XQ0039

MARCIA ANN GATES, TRUSTEE
 TOTAL HOLDING = 6,286 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 701 SQ. FT. +/-
 REMAINDER = 5,585 SQ. FT. +/-

PARCEL 3XQ0041

LOWANDA GASS, et al.
 TOTAL HOLDING = 12,701 SQ. FT. +/-
 TOTAL R.O.W. REQUIRED = 1,219 SQ. FT. +/-
 REMAINDER = 11,482 SQ. FT. +/-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

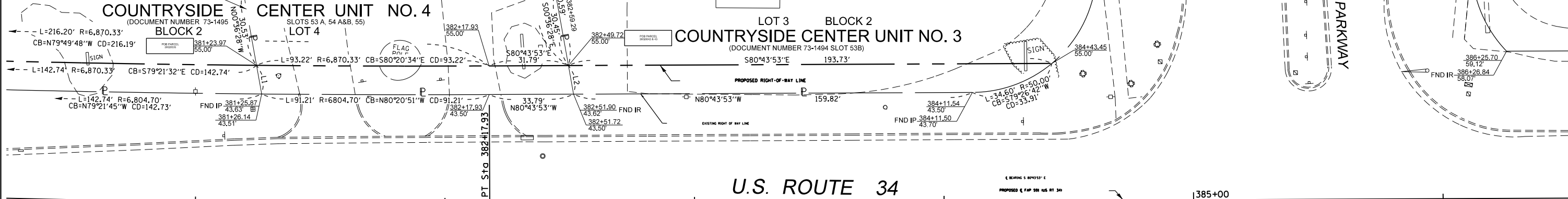
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PROJECT	STATIONING = 374+50.00 TO 380+50.00	CHECKED -	REVISED - N/C (38) 7/22/16 MKB	
PLOT SCALE = 100.4241' / in.		DATE -	REVISED -	

NORTHEAST 1/4 OF SEC. 29 & NORTHWEST 1/4 SEC. 28, T. 37 N., R. 7 E., 3RD P.M.

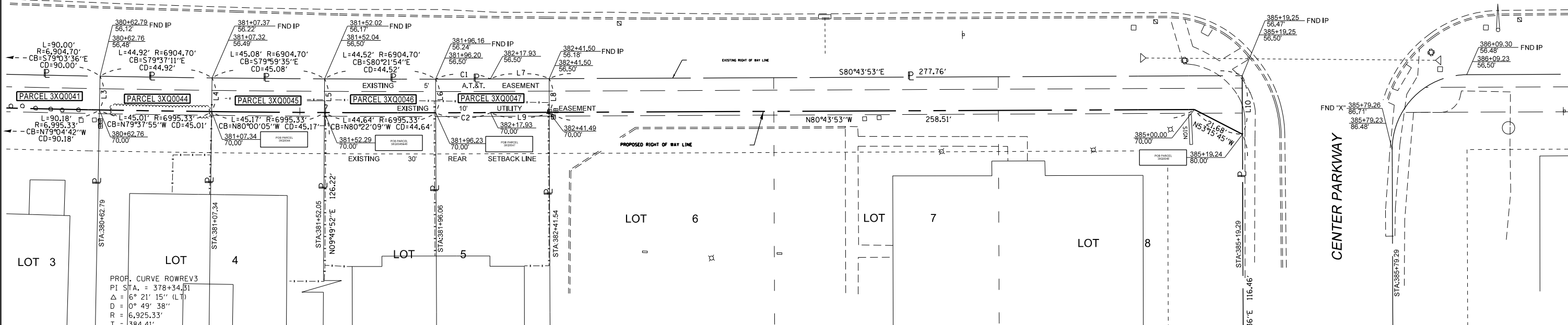
PARCEL 3XQ0035
JANET C. BOESET, TRUSTEE
(SEE SHEET 8 FOR AREAS)

PARCEL 3XQ0042
NATIONAL RETAIL PROPERTIES, L.P.
TOTAL HOLDING = 42,622 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 1,437 SQ. FT. +/-
REMAINDER = 41,185 SQ. FT. +/-
TEMPORARY EASEMENT AREA = 3,772 SQ. FT. +/-
PURPOSE: GRADING AND DRIVEWAY RECONSTRUCTION

PARCEL 3XQ0043
OXFORD BANK & TRUST, TRUSTEE
TOTAL HOLDING = 30,122 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 2,101 SQ. FT. +/-
REMAINDER = 28,021 SQ. FT. +/-



U.S. ROUTE 34



PARCEL 3XQ0041
LOWANDA GASS, et al.
(SEE SHEET 8 FOR AREAS)

PARCEL 3XQ0045
THOMAS J. HUSAR, et al
TOTAL HOLDING = 6,363 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 610 SQ. FT. +/-
REMAINDER = 5,753 SQ. FT. +/-

PARCEL 3XQ0047
STEFANIE SMUDGE
TOTAL HOLDING = 6,356 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 614 SQ. FT. +/-
REMAINDER = 5,742 SQ. FT. +/-

PARCEL 3XQ0048
215 HILLCREST, LLC
TOTAL HOLDING = 38,850 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 3,846 SQ. FT. +/-
REMAINDER = 35,004 SQ. FT. +/-

PARCEL 3XQ0044
GINGER K. MCKENNA
TOTAL HOLDING = 6,340 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 608 SQ. FT. +/-
REMAINDER = 5,732 SQ. FT. +/-

PARCEL 3XQ0046
MICHAEL SADLER
TOTAL HOLDING = 6,310 SQ. FT. +/-
TOTAL R.O.W. REQUIRED = 602 SQ. FT. +/-
REMAINDER = 5,708 SQ. FT. +/-

CURVE TABLE with columns: NO., ARC LENGTH, RADIUS, CHORD BEARING, CHORD LENGTH

LINE TABLE with columns: NO., BEARING, DISTANCE

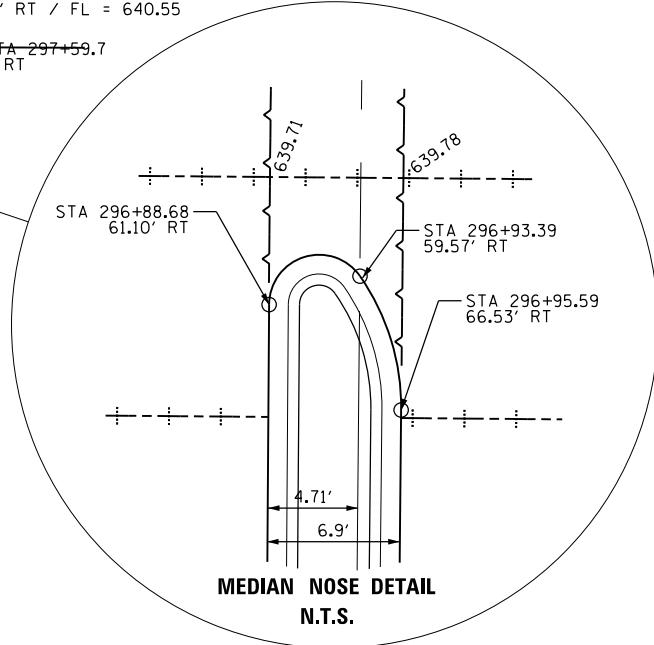
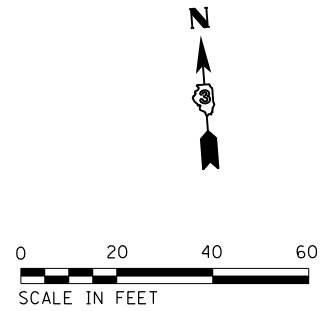
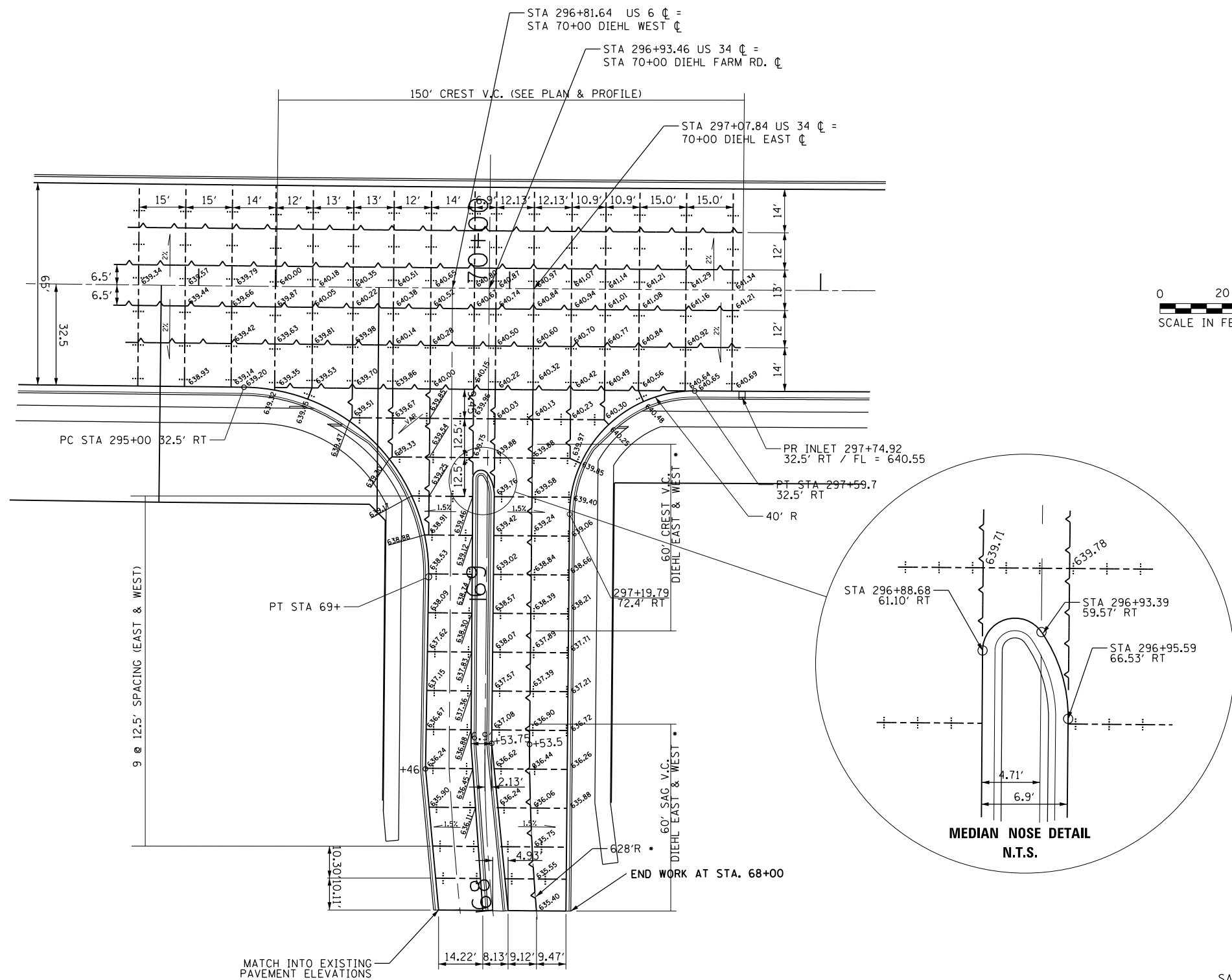


SURVEYOR'S STATEMENT
I, PETER V. BURBULY, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS...
DATED _____
BY PETER V. BURBULY, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3613 (EXPIRES NOV. 2016)



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83, 2011 ADJ.)
ALL AREAS ARE BASED ON GROUND DISTANCES.
GRID TO GROUND COMBINED FACTOR = 1.00004870
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE.

Project information table including File Name, User Name, Designated, Revised, State of Illinois Department of Transportation, Right of Way Plans, F.A.P. RTE., Section, County, Total Sheets, Sheet No., Project, Job No., Scale, Sheet 9 of 9, Stationing, and Contract No. 66993.



**MEDIAN NOSE DETAIL
N.T.S.**

LEGEND
 SAWED LONGITUDINAL JOINT OR
 LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT
 • SEE PLAN & PROFILE SHEETS FOR HORIZONTAL
 AND VERTICAL CURVE DATA

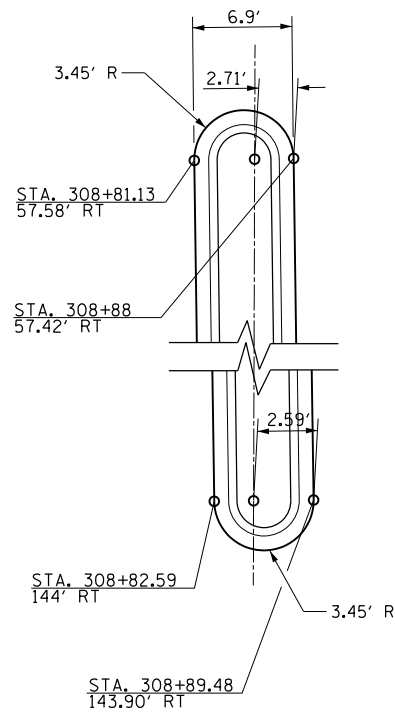
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FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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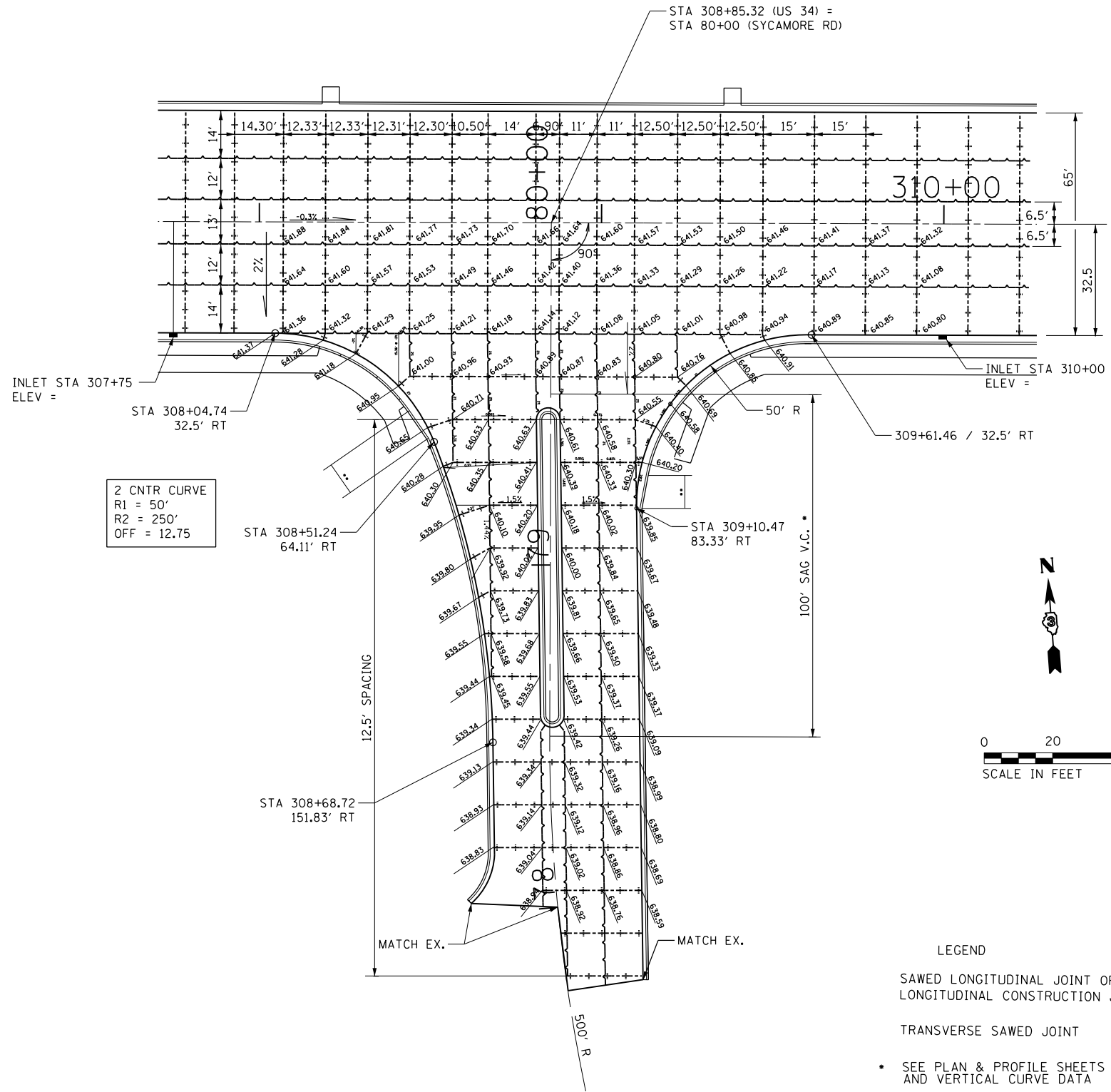
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DIEHL FARM ROAD JOINT DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	211
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



MEDIAN DETAIL



2 CNTR CURVE
R1 = 50'
R2 = 250'
OFF = 12.75

LEGEND

SAWED LONGITUDINAL JOINT OR
LONGITUDINAL CONSTRUCTION JOINT

TRANSVERSE SAWED JOINT

• SEE PLAN & PROFILE SHEETS FOR HORIZONTAL
AND VERTICAL CURVE DATA

•• CURB & GUTTER TRANSITION

*(13)R-2(13 BR/C, (13 BR-1)BR)

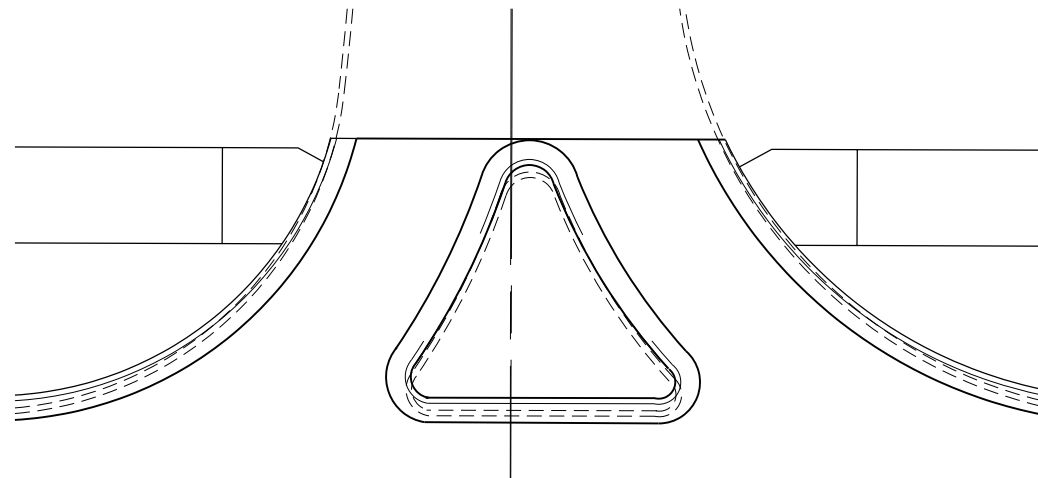
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	PLOT DATE = 2/2/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

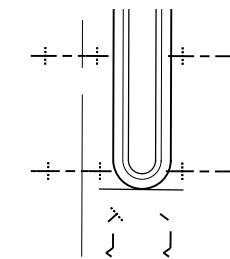
SYCAMORE RD JOINT DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

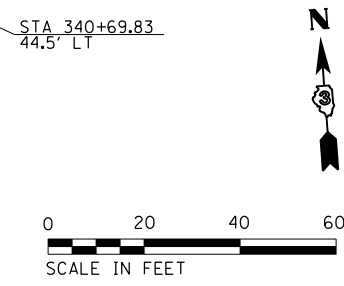
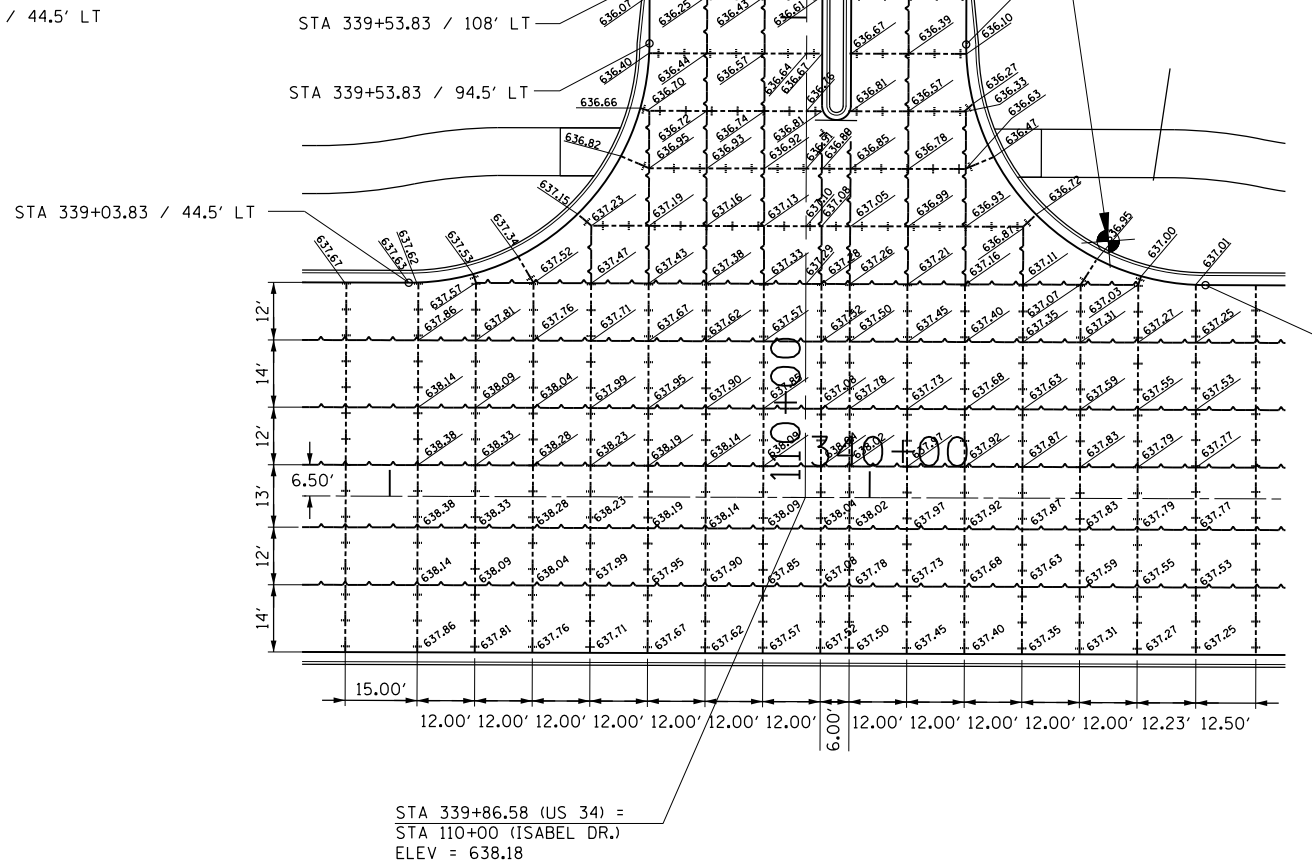
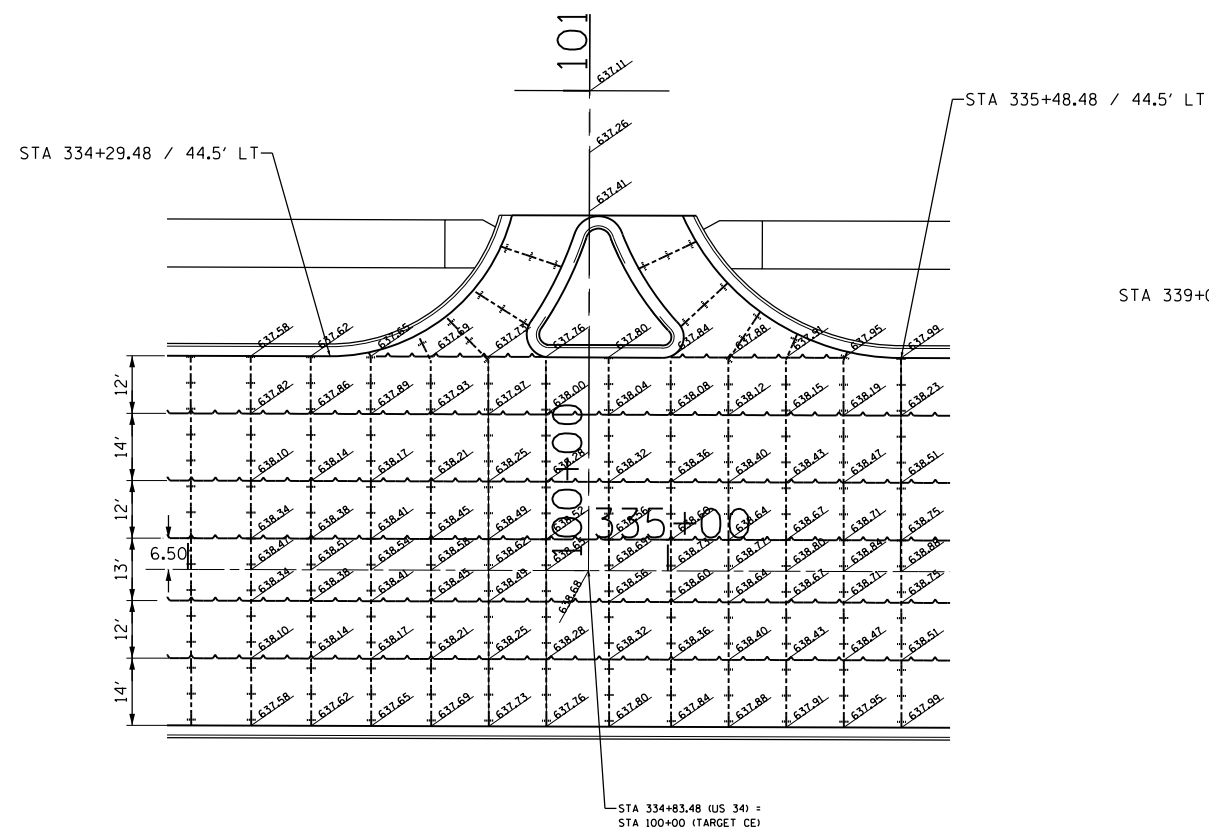
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	212
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



TARGET RI-RO ISLAND DETAIL



MEDIAN NOSE DETAIL



LEGEND
 SAWED LONGITUDINAL JOINT OR
 LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT
 *(13)R-2[(13 BR)C, (13 BR-1)BR]

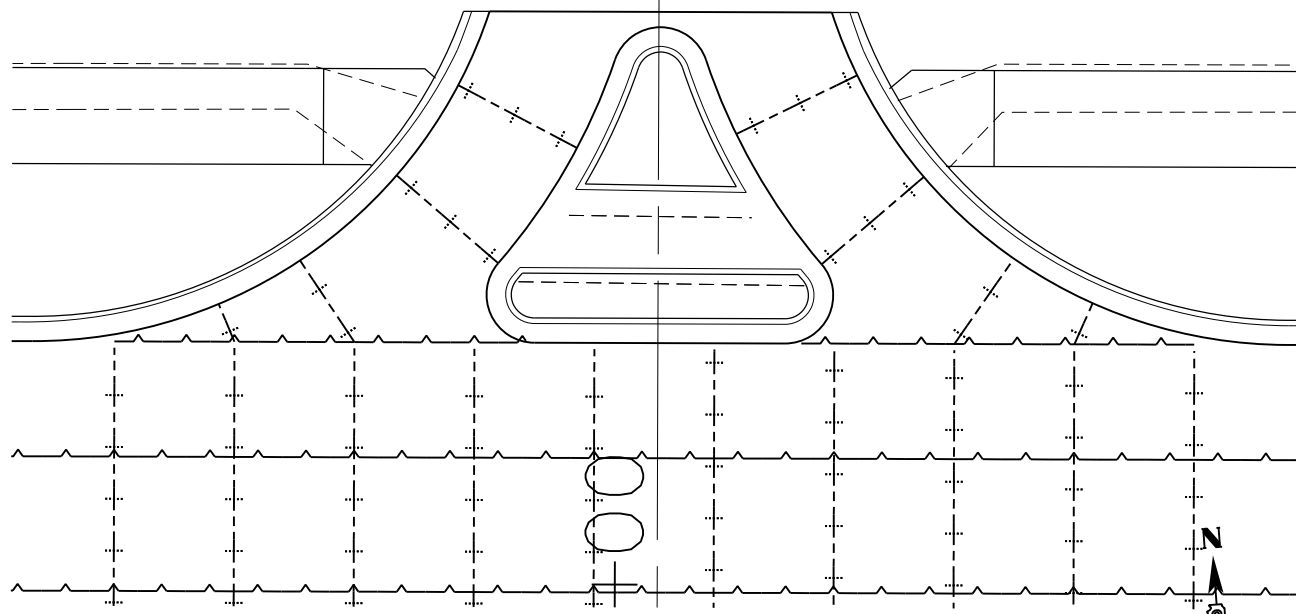
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Default	PLOT DATE = 2/2/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

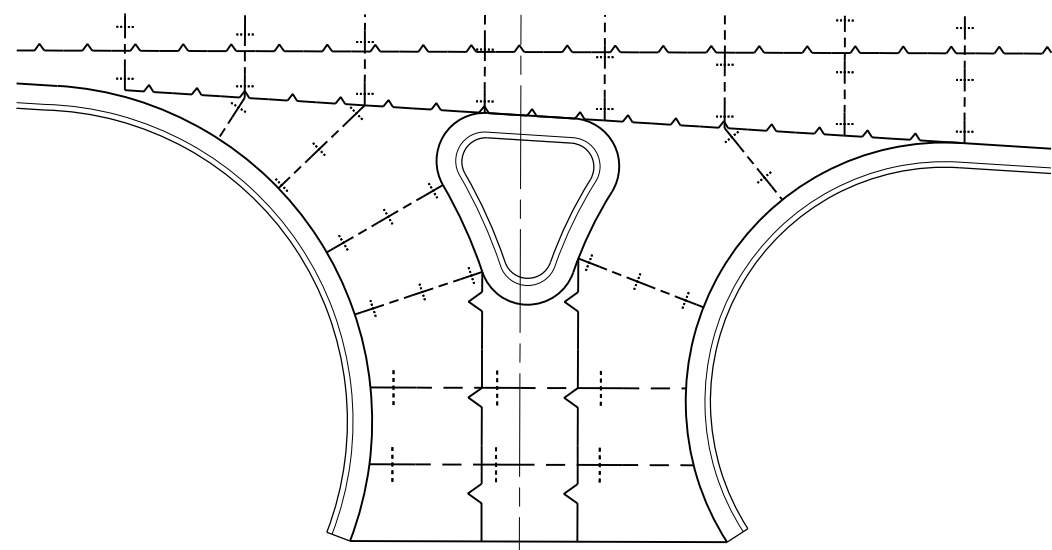
TARGET RI-RO ENT & ISABEL DRIVE JOINT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

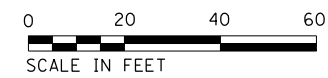
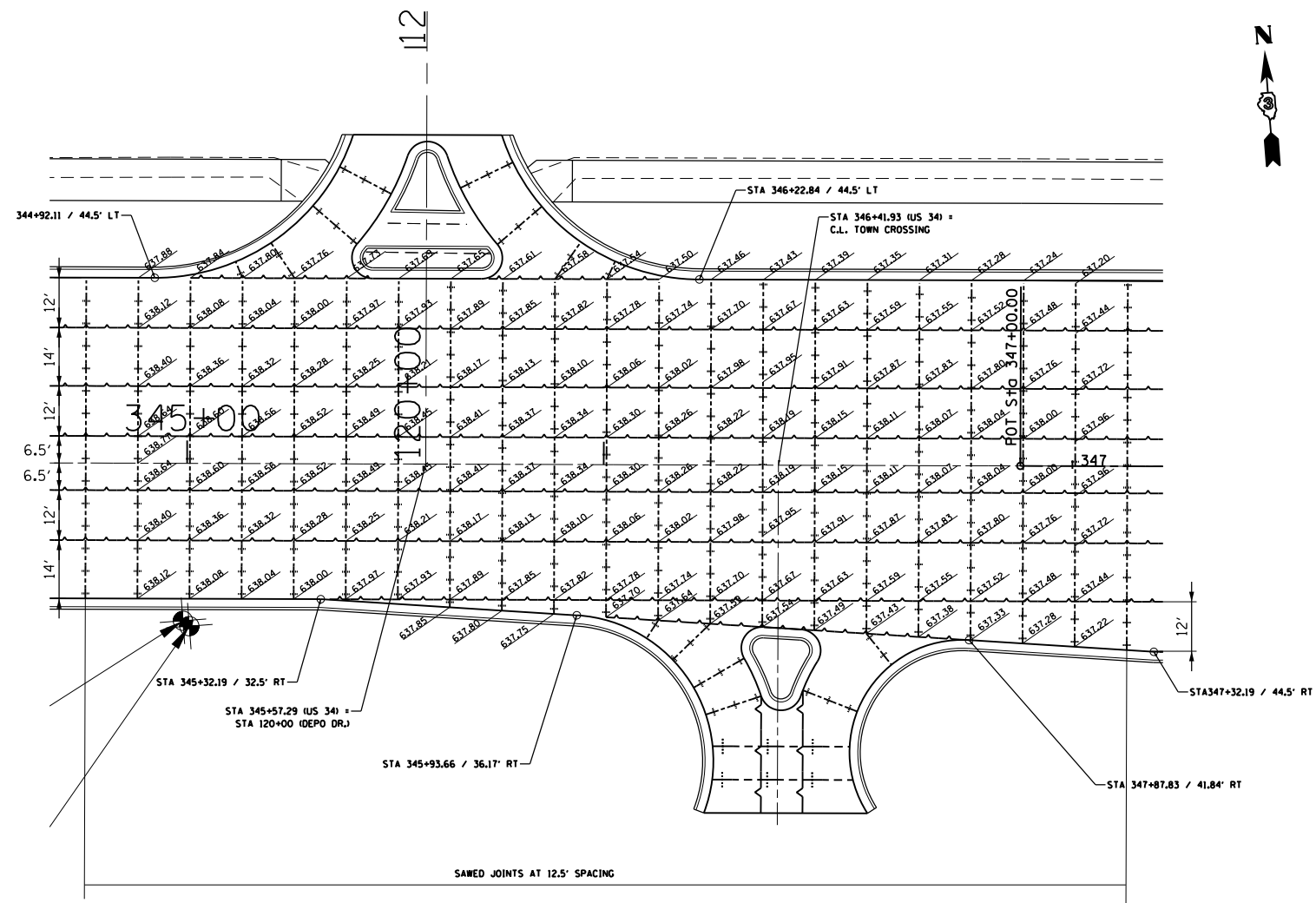
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	214
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



DEPO DR. RI-RO DETAIL



TOWN CROSSING RI-RO DETAIL



SAWED JOINTS AT 12.5' SPACING

LEGEND
 SAWED LONGITUDINAL JOINT OR
 LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT

*(13)R-2([13 BR]C, (13 BR-1)BR)

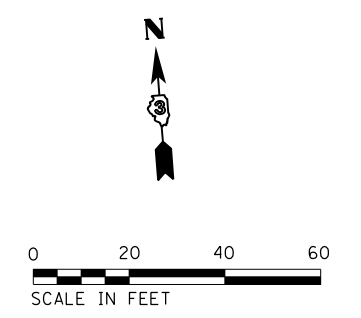
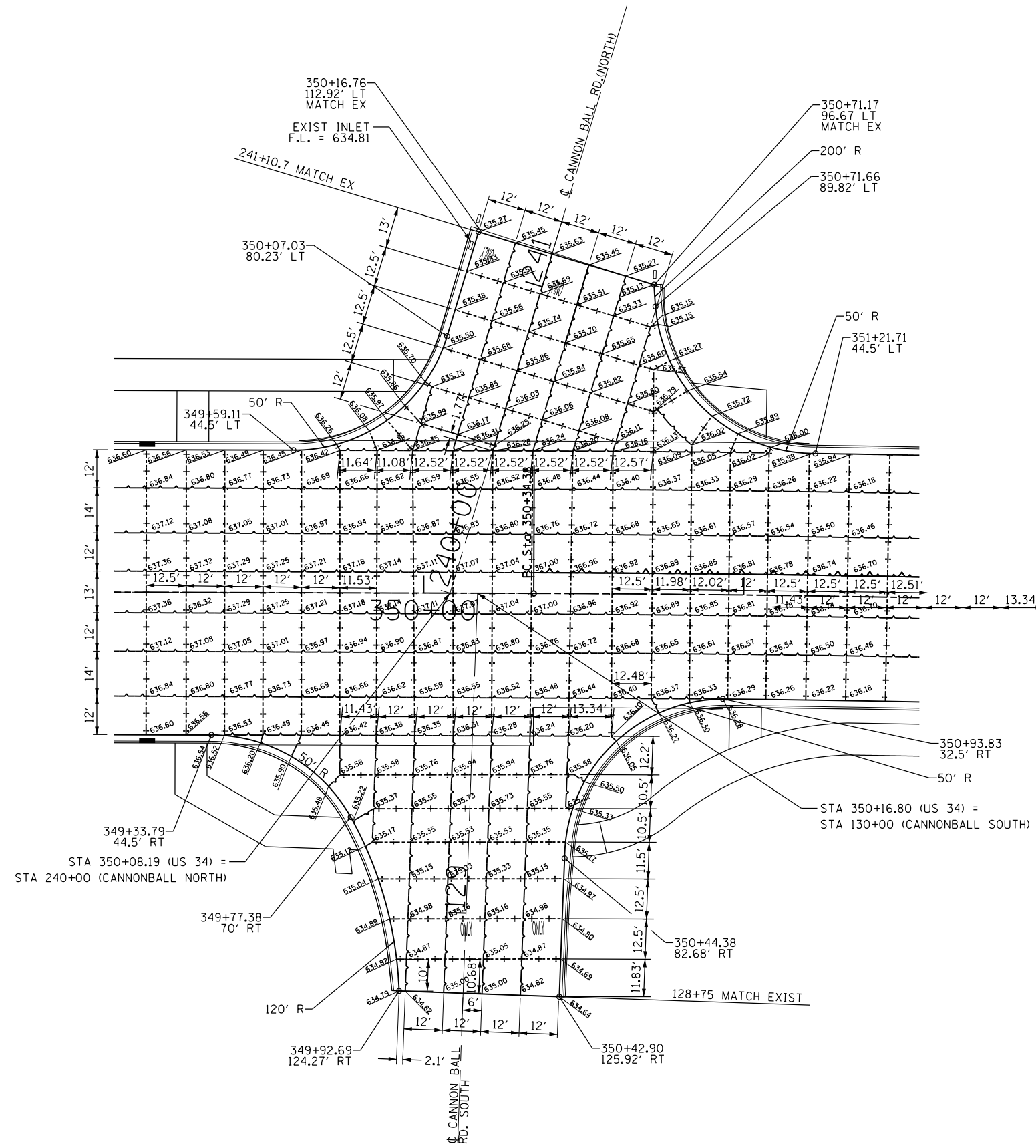
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Default	PLOT DATE = 2/2/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEPO DR. & TOWN CROSSING ROAD JOINT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	215
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



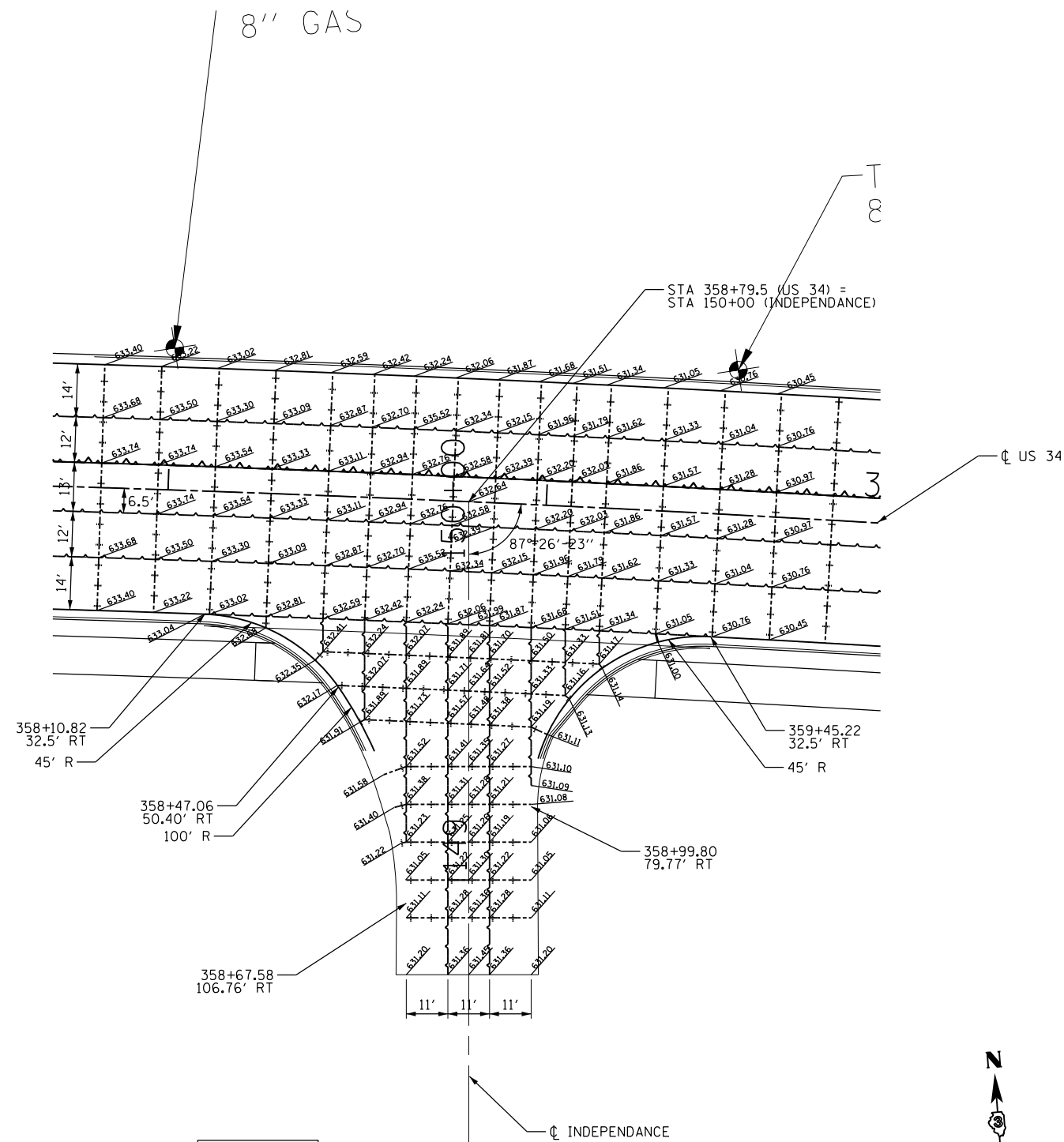
LEGEND

SAWED LONGITUDINAL JOINT OR
LONGITUDINAL CONSTRUCTION JOINT

TRANSVERSE SAWED JOINT

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANNONBALL TRAIL JOINT DETAIL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG.111\inois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-Cannonball Trail\Drawings\591.dgn	DRAWN	REVISED	REVISED						591	.	KENDALL	533	216
Default	PLOT SCALE = 40.0693' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66993				
	PLOT DATE = 2/2/2017	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

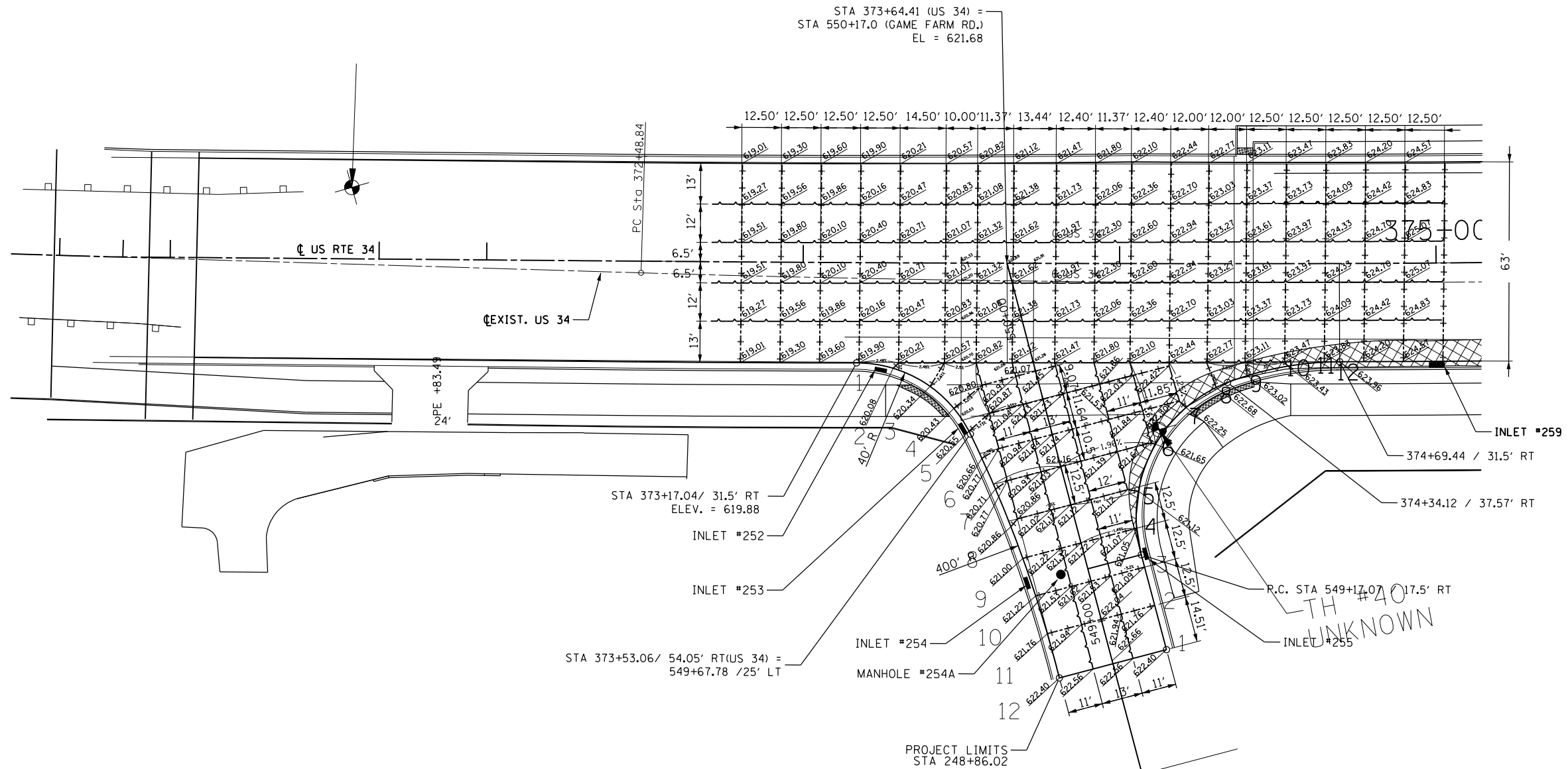
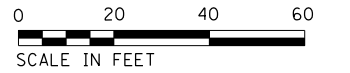
*131R-2(13 BRIC,13 BR-1BR1)



LEGEND
 SAWED LONGITUDINAL JOINT OR
 LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT

•(13R-2(13 BR-C,13 BR-1BR)

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEPENDANCE JOINT DETAIL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	KENDALL	533	217
		DATE -	REVISED -		CONTRACT NO. 66993								
					ILLINOIS FED. AID PROJECT								



LEGEND

SAWED LONGITUDINAL JOINT OR
LONGITUDINAL CONSTRUCTION JOINT

TRANSVERSE SAWED JOINT

SEE PLAN & PROFILE SHEETS FOR HORIZONTAL
AND VERTICAL CURVE DATA

SEE DRAINAGE PLANS FOR INLET AND MANHOLE
INFORMATION.

•(13)R-2[(13 BR)C, (13 BR-1)BR]

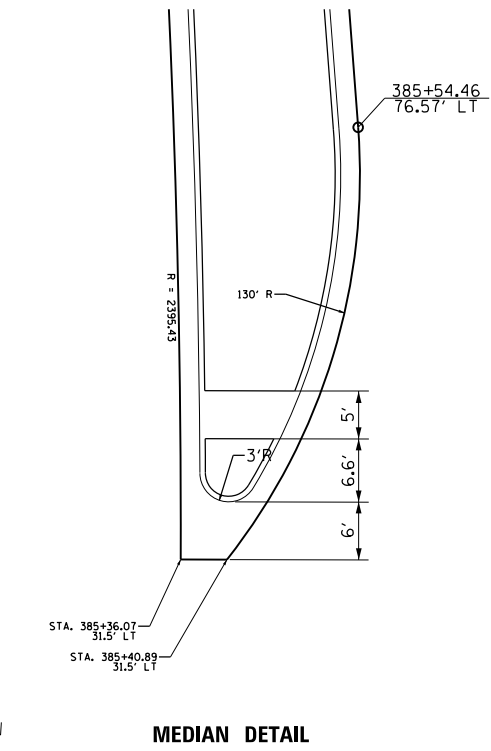
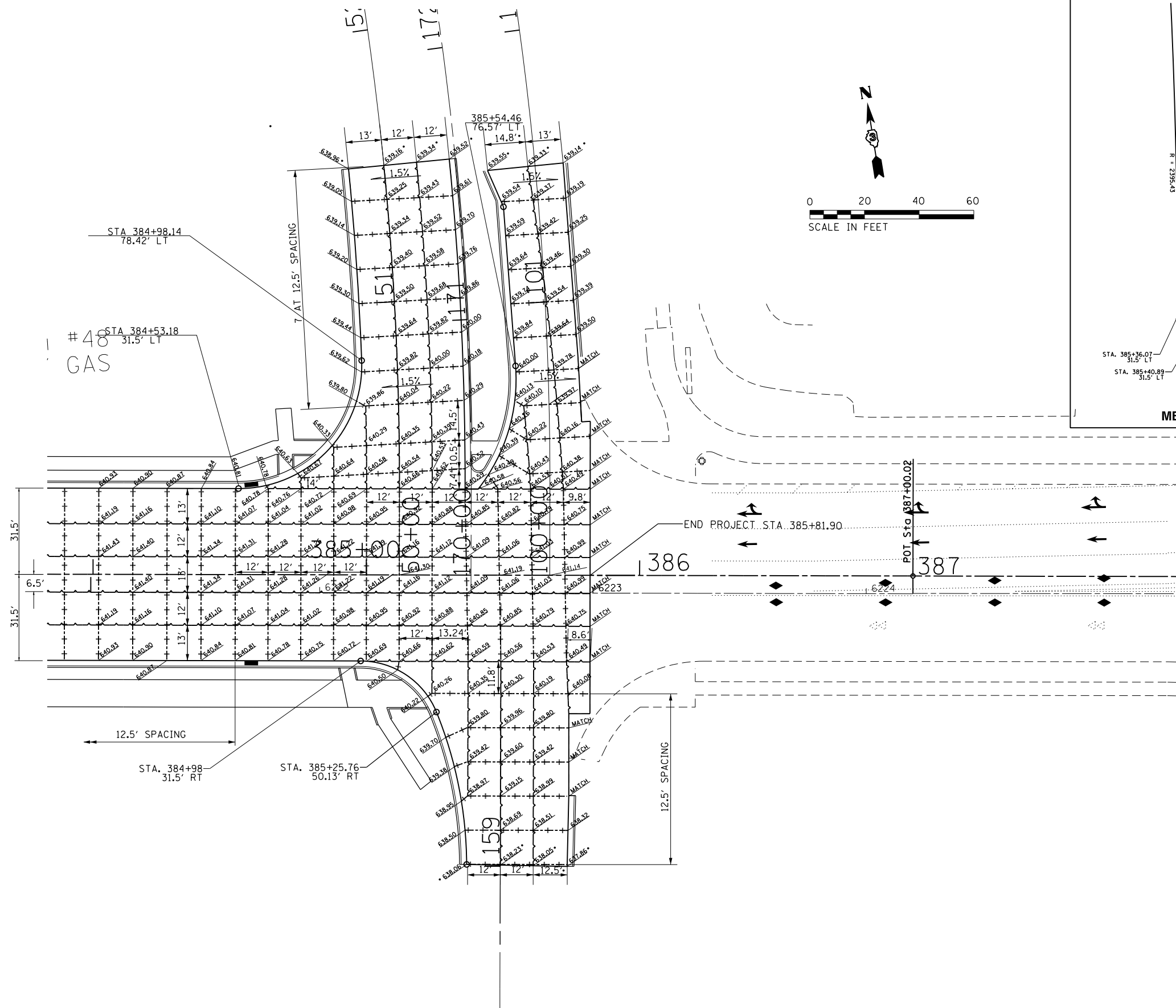
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Default	PLOT SCALE = 40.2360' / in.	DATE -	REVISED -
	PLOT DATE = 2/2/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GAME FARM RD. JOINT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	218
CONTRACT NO. 66993			ILLINOIS FED. AID PROJECT	



• MATCH INTO EXISTING

• (13)R-2((13 BR)C,(13 BR-1)BR)

FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -
Default		CHECKED -	REVISED -
		DATE -	REVISED -

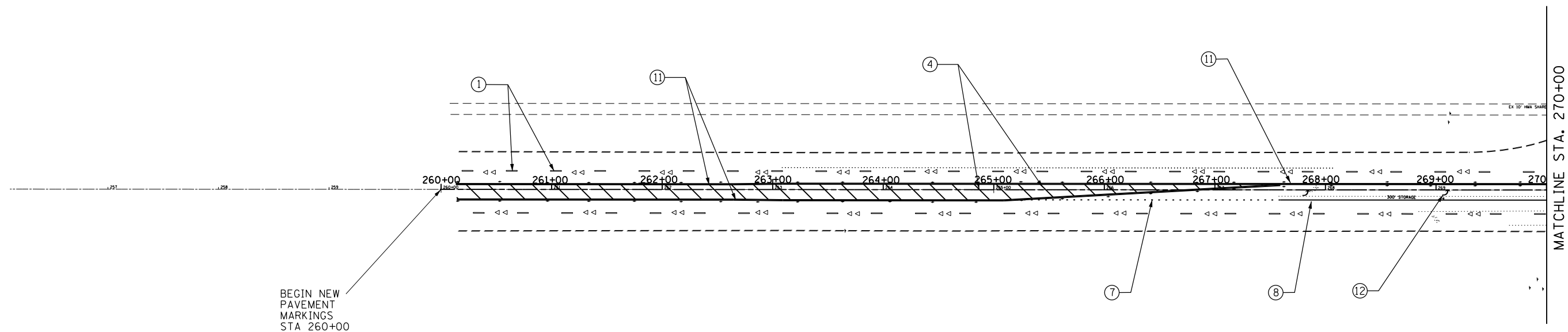
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTER PARKWAY JOINT DETAIL				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	219
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

LEGEND:

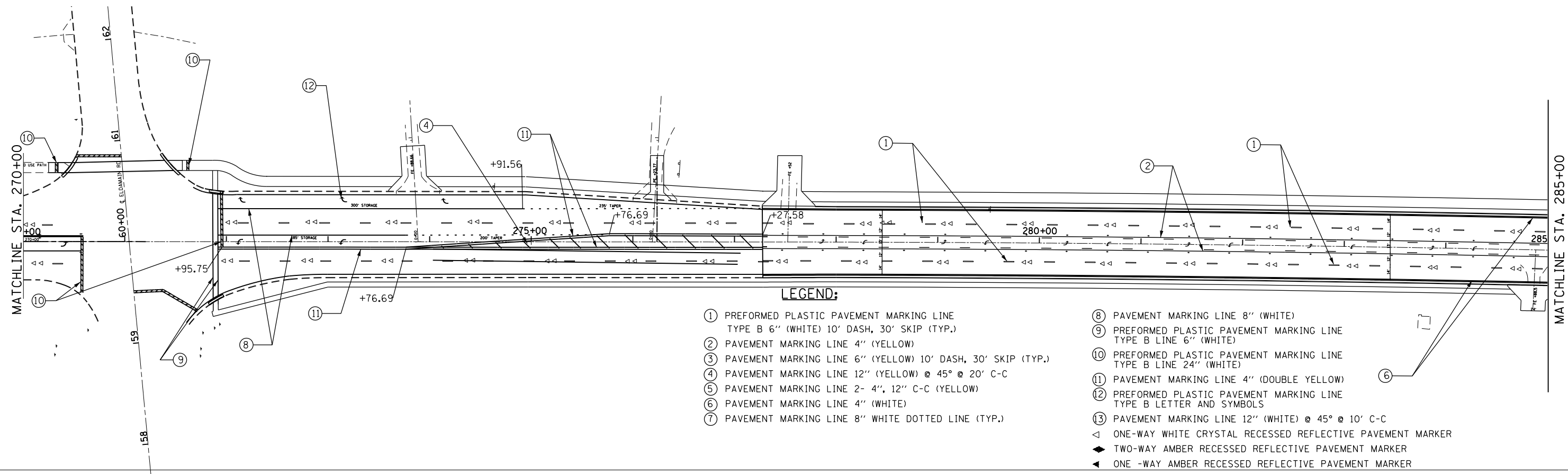
- ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.)
- ② PAVEMENT MARKING LINE 4" (YELLOW)
- ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.)
- ④ PAVEMENT MARKING LINE 12" (YELLOW) @ 45° @ 20' C-C
- ⑤ PAVEMENT MARKING LINE 2- 4", 12" C-C (YELLOW)
- ⑥ PAVEMENT MARKING LINE 4" (WHITE)
- ⑦ PAVEMENT MARKING LINE 8" WHITE DOTTED LINE (TYP.)
- ⑧ PAVEMENT MARKING LINE 8" (WHITE)
- ⑨ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 6" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE)
- ⑪ PAVEMENT MARKING LINE 4" (DOUBLE YELLOW)
- ⑫ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LETTER AND SYMBOLS
- ⑬ PAVEMENT MARKING LINE 12" (WHITE) @ 45° @ 10' C-C
- ◁ ONE-WAY WHITE CRYSTAL RECESSED REFLECTIVE PAVEMENT MARKER
- ◆ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER
- ◀ ONE -WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER



NOTES:

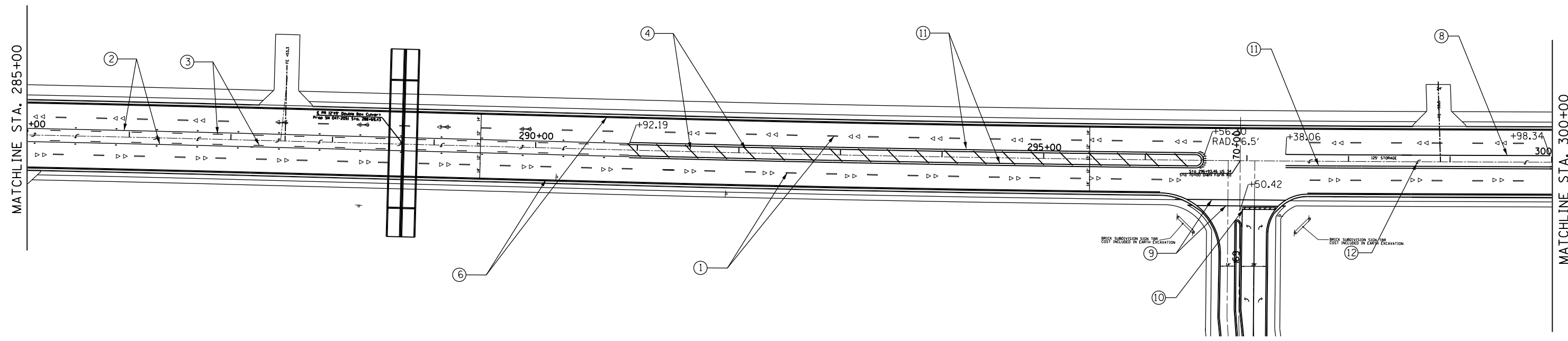
1. ALL ROADWAY PAVEMENT MARKINGS IIN THE LEGEND SHALL BE POLYUREA PAVEMENT MARKINGS EXCEPT FOR PREFORMED PLASTIC LINES
2. ALL ROADWAY DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
3. ALL PVT MARKINGS SHALL BE GROOVED EXCEPT FOR THE 12" DIAGONAL PAVEMENT MKS.

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS SHEETS	SCALE:	SHEET	OF	SHEETS	STA. 109+00	TO	ELDA MAIN RD	F.A.P. RTE. 591	SECTION	COUNTY	KENDALL	TOTAL SHEETS	SHEET NO.
												CONTRACT NO. 66993	533	220				
												ILLINOIS FED. AID PROJECT						
												*13)R-2(13 BRIC, 13 BR-1)BR						



- LEGEND:**
- ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.)
 - ② PAVEMENT MARKING LINE 4" (YELLOW)
 - ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.)
 - ④ PAVEMENT MARKING LINE 12" (YELLOW) @ 45° @ 20' C-C
 - ⑤ PAVEMENT MARKING LINE 2- 4", 12" C-C (YELLOW)
 - ⑥ PAVEMENT MARKING LINE 4" (WHITE)
 - ⑦ PAVEMENT MARKING LINE 8" WHITE DOTTED LINE (TYP.)
 - ⑧ PAVEMENT MARKING LINE 8" (WHITE)
 - ⑨ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 6" (WHITE)
 - ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE)
 - ⑪ PAVEMENT MARKING LINE 4" (DOUBLE YELLOW)
 - ⑫ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LETTER AND SYMBOLS
 - ⑬ PAVEMENT MARKING LINE 12" (WHITE) @ 45° @ 10' C-C
 - ◁ ONE-WAY WHITE CRYSTAL RECESSED REFLECTIVE PAVEMENT MARKER
 - ◆ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER
 - ◀ ONE-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER

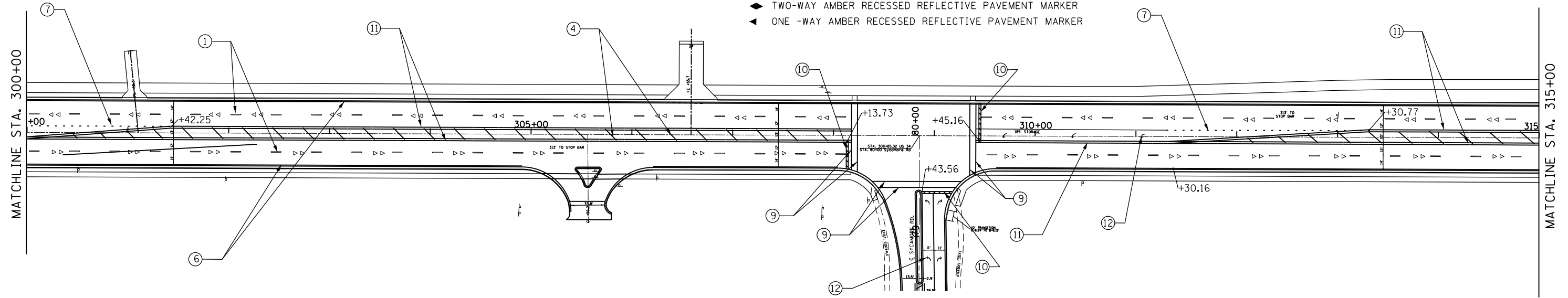
- NOTES:**
- ALL ROADWAY PAVEMENT MARKINGS IN THE LEGEND SHALL BE POLYUREA PAVEMENT MARKINGS EXCEPT FOR PREFORMED PLASTIC LINES
 - ALL ROADWAY DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
 - ALL PVT MARKINGS SHALL BE GROOVED EXCEPT FOR THE 12" DIAGONAL PAVEMENT MKS.



FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS SHEETS	* (13)R-2((13 BRIC, (13 BR-1)BR)		F.A.P. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-pvt.mxd	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			591	.	KENDALL	533	221		
Default	PLOT DATE = 2/2/2017	DATE -	REVISED -			CONTRACT NO. 66993			ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET	OF	SHEETS	STA. @ ELDAMIN RD TO STA. 300+00		

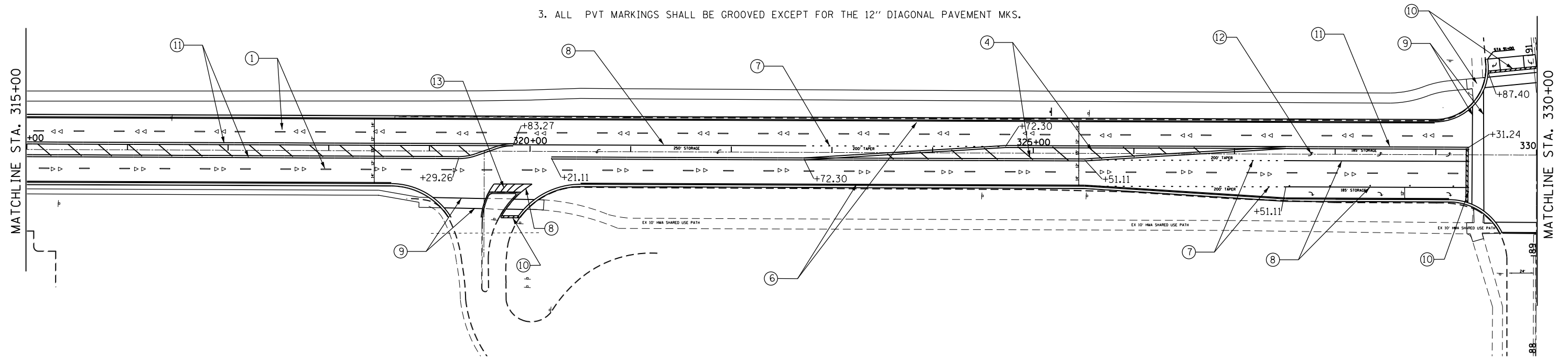
LEGEND:

- | | |
|---|--|
| <ul style="list-style-type: none"> ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.) ② PAVEMENT MARKING LINE 4" (YELLOW) ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.) ④ PAVEMENT MARKING LINE 12" (YELLOW) @ 45° @ 20' C-C ⑤ PAVEMENT MARKING LINE 2- 4", 12" C-C (YELLOW) ⑥ PAVEMENT MARKING LINE 4" (WHITE) ⑦ PAVEMENT MARKING LINE 8" WHITE DOTTED LINE (TYP.) | <ul style="list-style-type: none"> ⑧ PAVEMENT MARKING LINE 8" (WHITE) ⑨ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 6" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE) ⑪ PAVEMENT MARKING LINE 4" (DOUBLE YELLOW) ⑫ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LETTER AND SYMBOLS ⑬ PAVEMENT MARKING LINE 12" (WHITE) @ 45° @ 10' C-C ◁ ONE-WAY WHITE CRYSTAL RECESSED REFLECTIVE PAVEMENT MARKER ◆ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER ▲ ONE-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER |
|---|--|



NOTES:

1. ALL ROADWAY PAVEMENT MARKINGS IN THE LEGEND SHALL BE POLYUREA PAVEMENT MARKINGS EXCEPT FOR PREFORMED PLASTIC LINES
2. ALL ROADWAY DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
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FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\1\084EBIDINTEG.111nois.gov\PI\DOT\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\AD\Sheets\EP03507-sht-pvt.mxd	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			591	.	KENDALL	533	222
Default	PLOT DATE = 2/2/2017	DATE -	REVISED -			CONTRACT NO. 66993				

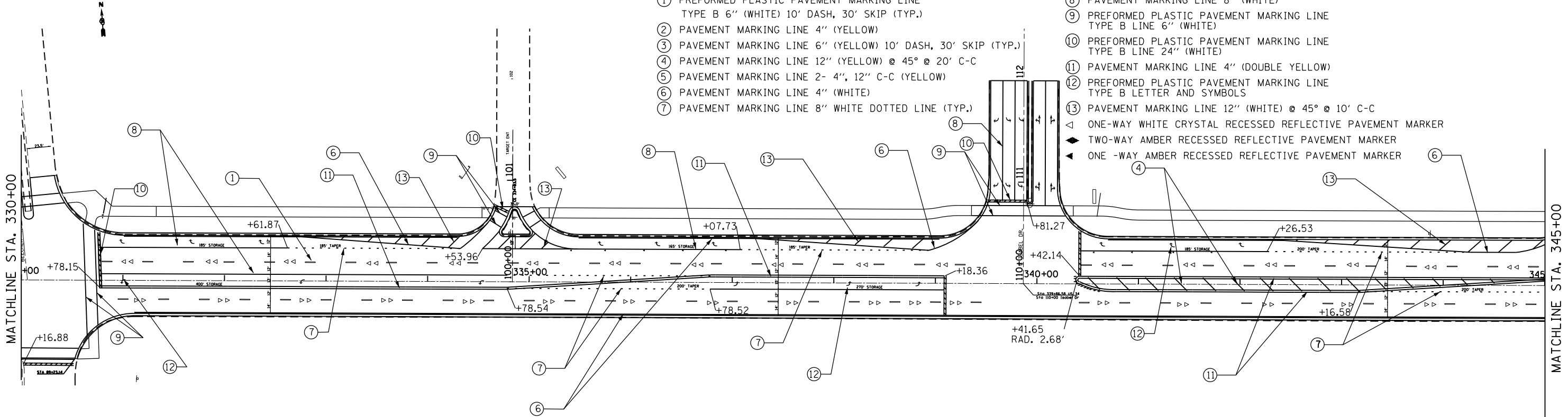
SCALE: SHEET OF SHEETS STA. 300+00 TO STA. 330+00

*(13)R-2(13 BRIC, (13 BR-1)BR)

ILLINOIS FED. AID PROJECT

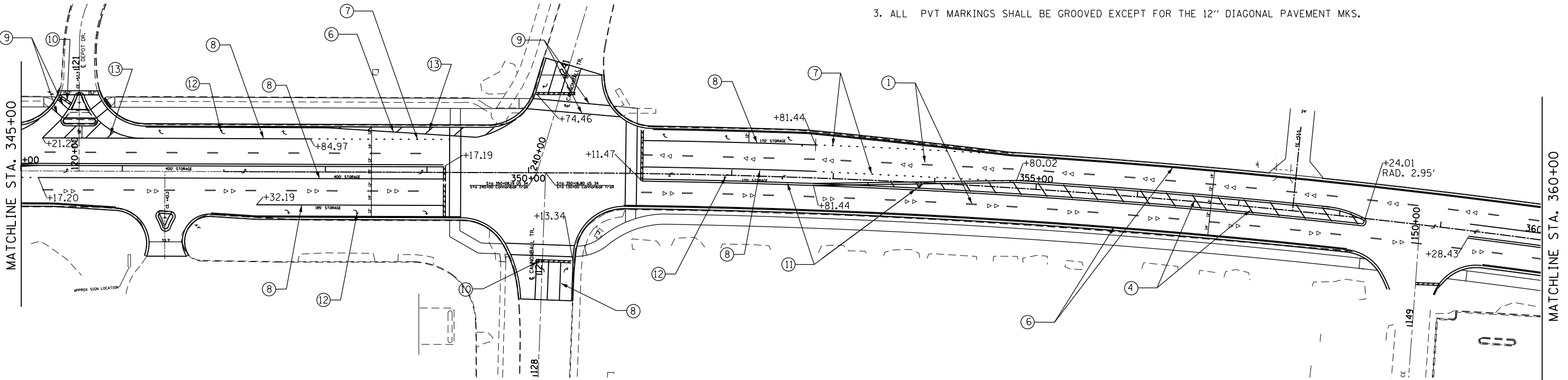
LEGEND:

- ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.)
- ② PAVEMENT MARKING LINE 4" (YELLOW)
- ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.)
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- ⑥ PAVEMENT MARKING LINE 4" (WHITE)
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TYPE B LINE 6" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE)
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TYPE B LETTER AND SYMBOLS
- ⑬ PAVEMENT MARKING LINE 12" (WHITE) @ 45° @ 10' C-C
- ◁ ONE-WAY WHITE CRYSTAL RECESSED REFLECTIVE PAVEMENT MARKER
- ◆ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER
- ▲ ONE-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER



NOTES:

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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/2/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

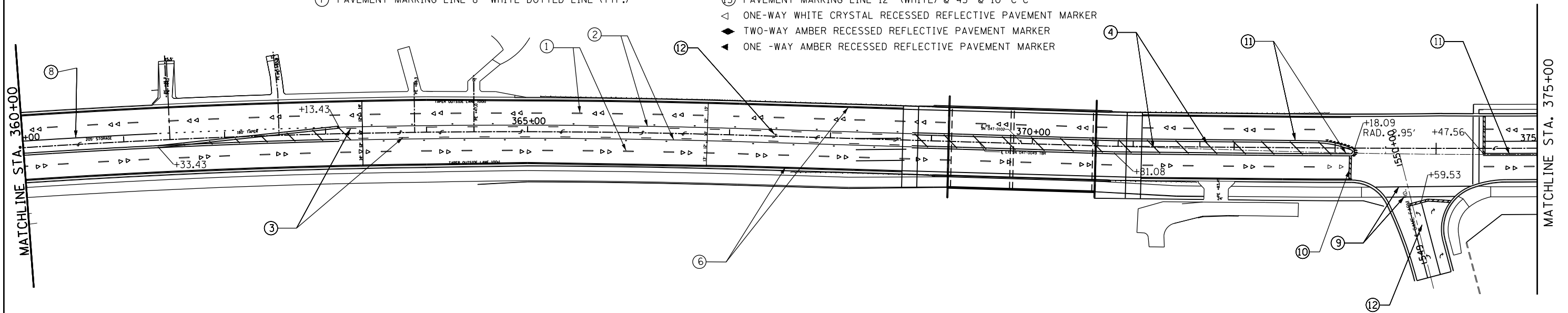
PAVEMENT MARKINGS SHEETS

SCALE: SHEET OF SHEETS STA. 330+00 TO STA. 360+00

*(13)R-2(13 BRIC, 13 BR-1)BR				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	223
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

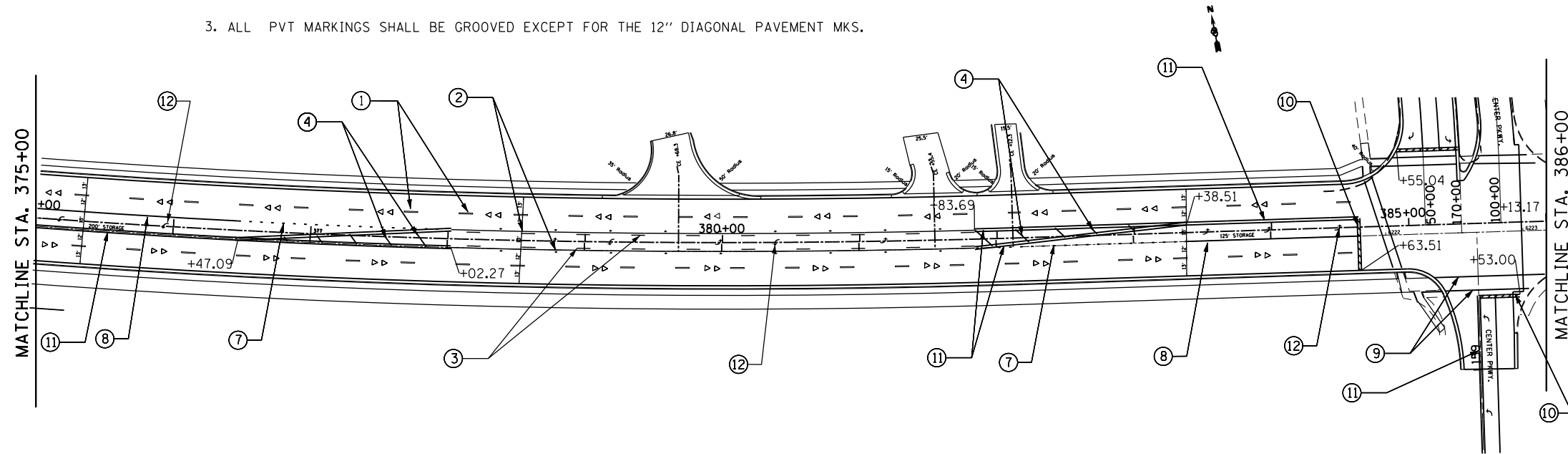
LEGEND:

- | | |
|---|--|
| <ul style="list-style-type: none"> ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.) ② PAVEMENT MARKING LINE 4" (YELLOW) ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.) ④ PAVEMENT MARKING LINE 12" (YELLOW) @ 45° @ 20' C-C ⑤ PAVEMENT MARKING LINE 2- 4", 12" C-C (YELLOW) ⑥ PAVEMENT MARKING LINE 4" (WHITE) ⑦ PAVEMENT MARKING LINE 8" WHITE DOTTED LINE (TYP.) | <ul style="list-style-type: none"> ⑧ PAVEMENT MARKING LINE 8" (WHITE) ⑨ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 6" (WHITE) ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE) ⑪ PAVEMENT MARKING LINE 4" (DOUBLE YELLOW) ⑫ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LETTER AND SYMBOLS ⑬ PAVEMENT MARKING LINE 12" (WHITE) @ 45° @ 10' C-C ◁ ONE-WAY WHITE CRYSTAL RECESSED REFLECTIVE PAVEMENT MARKER ◄ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER ◄ ONE-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER |
|---|--|



NOTES:

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FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/2/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

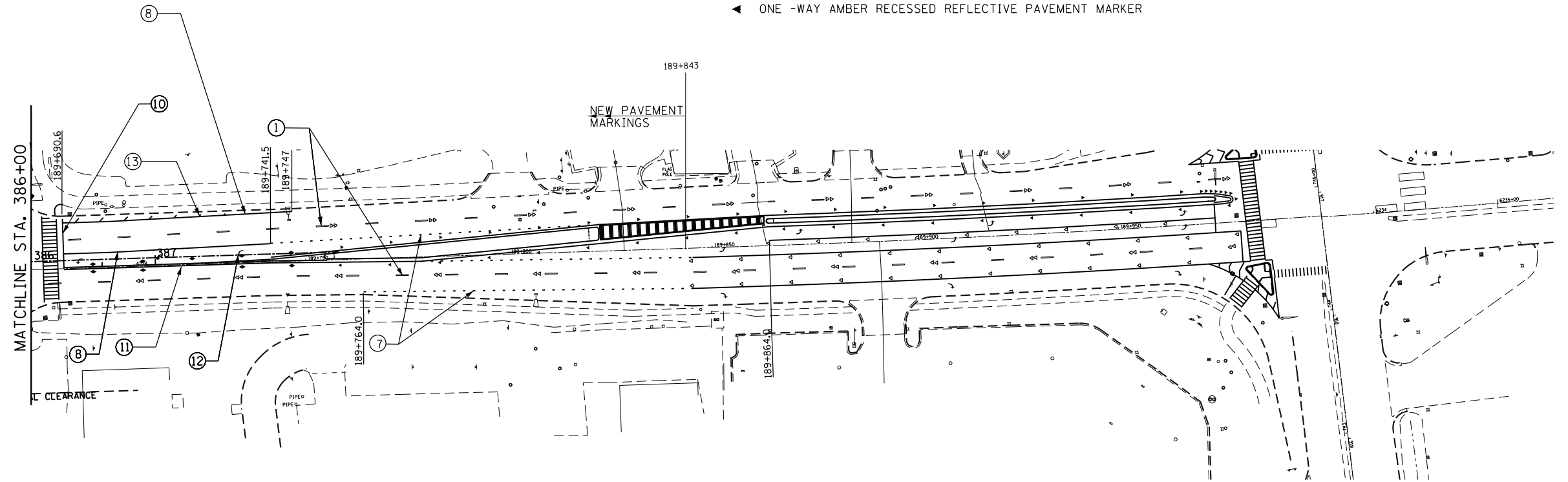
PAVEMENT MARKINGS SHEETS

SCALE: SHEET OF SHEETS STA. 360+00 TO STA. CENTER PKWY

*(13)R-2(13 BRIC, (13 BR-1)BR)				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	224
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

LEGEND:

- ① PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B 6" (WHITE) 10' DASH, 30' SKIP (TYP.)
- ② PAVEMENT MARKING LINE 4" (YELLOW)
- ③ PAVEMENT MARKING LINE 6" (YELLOW) 10' DASH, 30' SKIP (TYP.)
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- ⑤ PAVEMENT MARKING LINE 2- 4", 12" C-C (YELLOW)
- ⑥ PAVEMENT MARKING LINE 4" (WHITE)
- ⑦ PAVEMENT MARKING LINE 8" WHITE DOTTED LINE (TYP.)
- ⑧ PAVEMENT MARKING LINE 8" (WHITE)
- ⑨ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 6" (WHITE)
- ⑩ PREFORMED PLASTIC PAVEMENT MARKING LINE
TYPE B LINE 24" (WHITE)
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TYPE B LETTER AND SYMBOLS
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- ◆ TWO-WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER
- ◄ ONE -WAY AMBER RECESSED REFLECTIVE PAVEMENT MARKER



NOTES:

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2. ALL ROADWAY DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
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NOTE: THE STATIONING MARKED THUS-198+000-IS A METRIC STATIONING

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						591	.	KENDALL	533	225	
						CONTRACT NO. 66993					
						ILLINOIS FED. AID PROJECT					
Default	PLOT DATE = 2/2/2017	CHECKED -	REVISIED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.				

TRAFFIC SIGNAL GENERAL NOTES

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE CITY OF YORKVILLE A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROL UNIT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7. A ¼" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED IN THE COST OF CONDUIT PAY ITEM.
THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED IN THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
8. ALL CONDUIT IN TRENCH SHALL BE PVC. CONDUIT PUSHED MAY BE PVC OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
10. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
11. ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
12. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
14. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS OF THE CABINET.

15. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
16. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
18. THE CONTRACTOR SHALL CONTACT THE CITY OF YORKVILLE, IDOT AND UTILITY COMPANY FOR THE TELEPHONE CONNECTION TO THE MASTER CONTROLLER.
19. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
20. ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
21. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
22. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
23. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
24. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
25. THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF THE CURB OR A MINIMUM OF 18' FROM THE EDGE OF THE PAVEMENT TO THE FACE OF THE FOUNDATION WHERE THERE IS NO CURB. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP WITH THE CENTER OF LANE.
26. **DELETED**
27. ALL MAST ARM MOUNTED SIGNAL HEADS ON INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
28. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES.
29. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BACKPLATES.

1. ALL SIGNAL HEADS ON INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
2. THE CONTRACTOR SHALL PROVIDE 3' OF SLACK CABLE IN THE CONTROLLER AND ON THE WOOD POLES. THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF THE CABLE DEFINED IN THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ELECTRICAL CABLE OF THE TYPE SPECIFIED.
3. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT THE MINIMUM OF 30' OF POLE I ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 70 MPH SUSTAINED WIND LOADING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
6. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

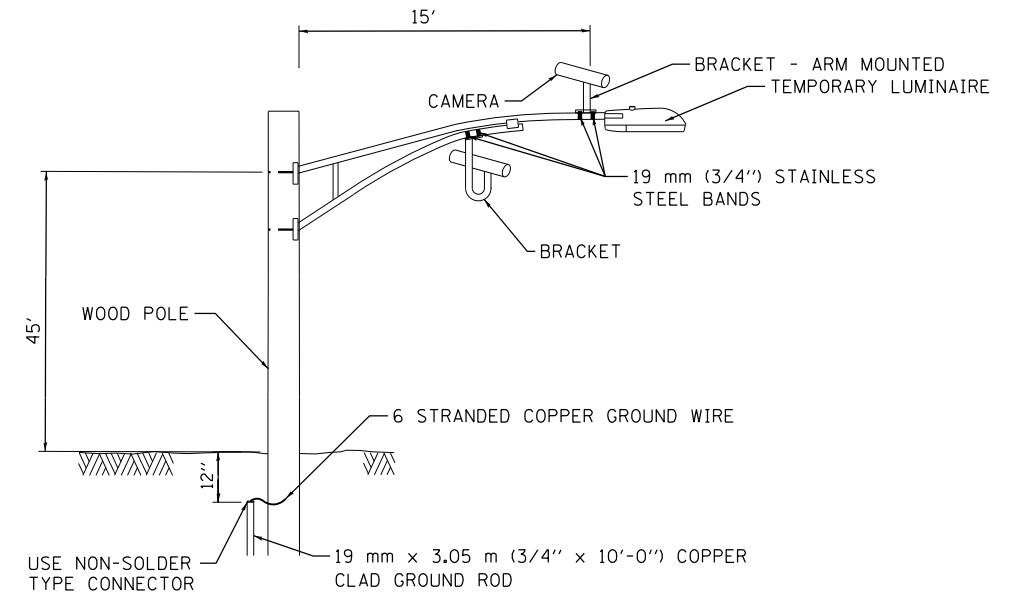
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FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNALS GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\11084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\EP03507-2017\Drawings\EP03507-sht-Signals\REVISED on Beecher Rd	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			591	•	KENDALL	533	226	
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993		ILLINOIS FED. AID PROJECT			
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TEMPORARY TRAFFIC SIGNAL LEGEND

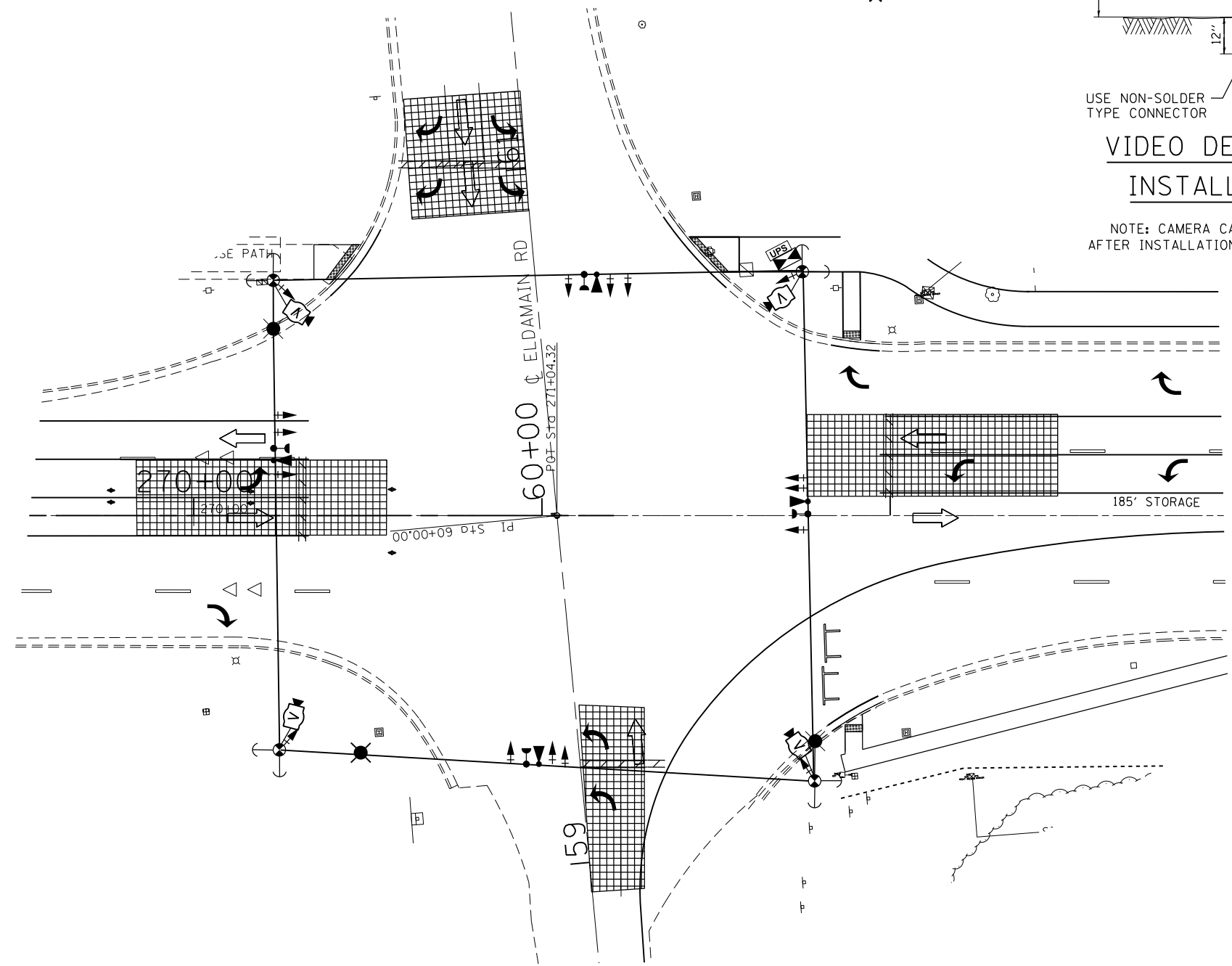
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE IIA&IB - ELDAMAIN RD AND US 34	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

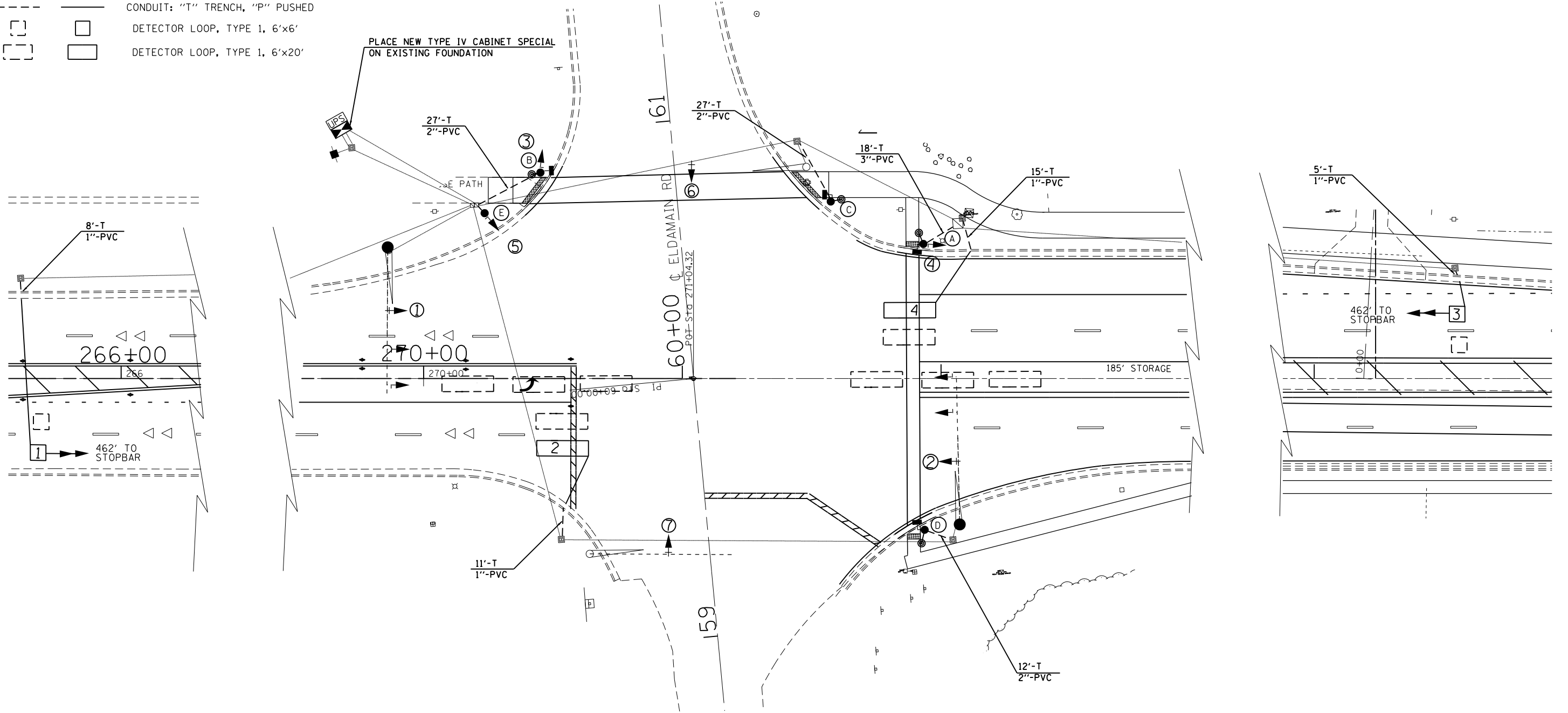
- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- UNINTERRUPTIBLE POWER SUPPLY
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- CONDUIT: "T" TRENCH, "P" PUSHED
- DETECTOR LOOP, TYPE 1, 6'x6'
- DETECTOR LOOP, TYPE 1, 6'x20'

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH	
A	16' SIGNAL POST	
B	16' SIGNAL POST	
C	10' SIGNAL POST	
D	10' SIGNAL POST	
E	16' SIGNAL POST	

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITIES
1, 2, 7	SH, 1F, 3S, MAM	EACH	3
3, 4, 5	SH, 1F, 5S, BM	EACH	3
6	SH, 1F, 5S, MAM	EACH	1



•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
ELDAMAIN RD AND US 34**

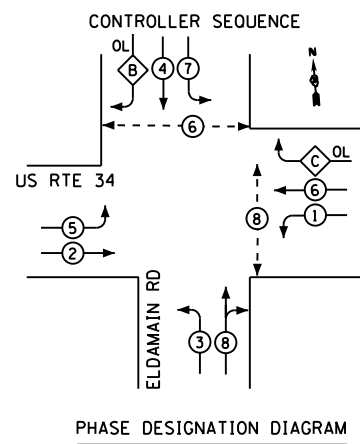
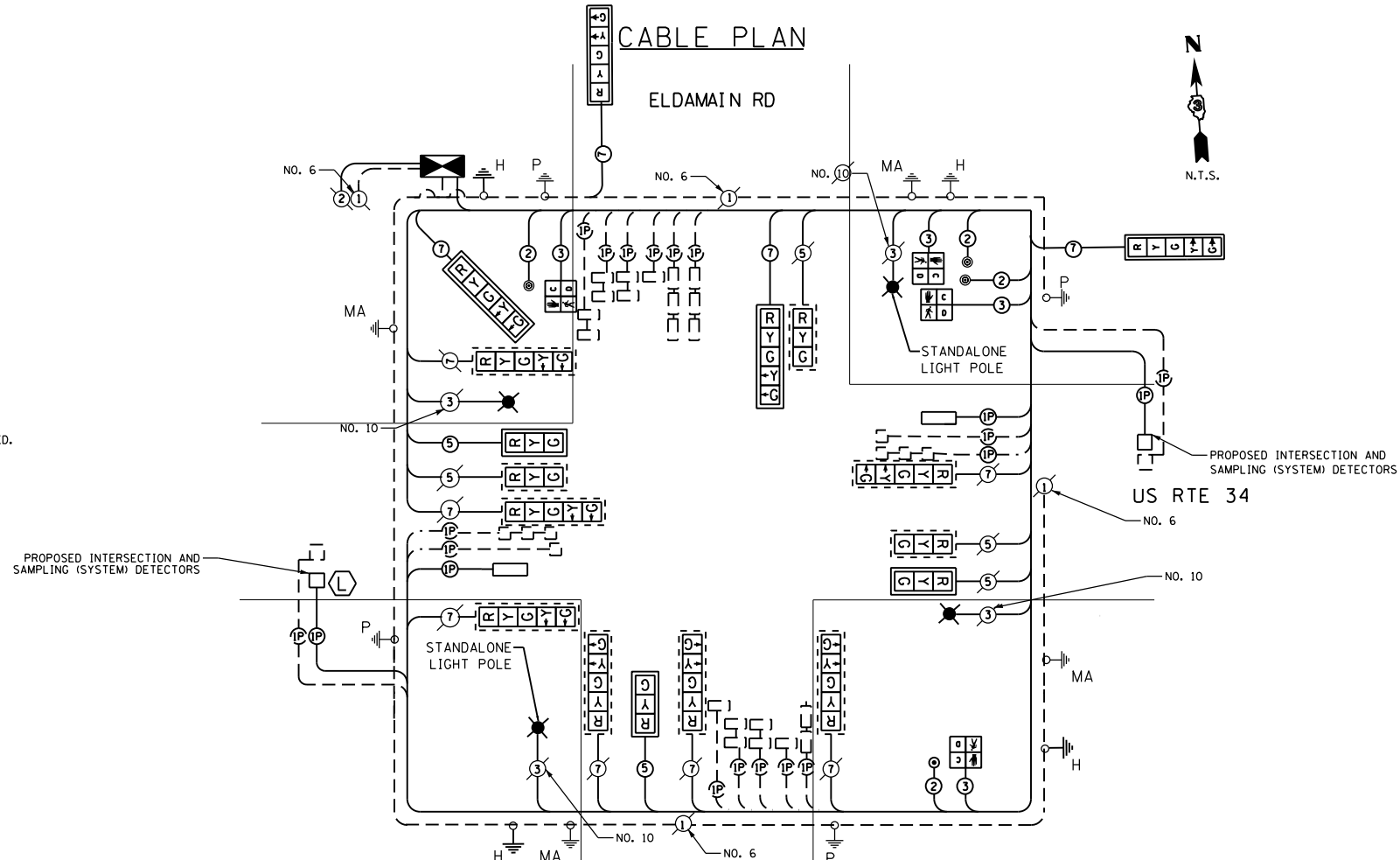
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	230
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊙	G	8" (200mm) TRAFFIC SIGNAL SECTION
⊙	R	12" (300mm) TRAFFIC SIGNAL SECTION
⊙	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊙	⊙	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
⊙	⊙	CONTROLLER CABINET
⊙	⊙	SERVICE INSTALLATION
⊙	⊙	TELEPHONE CONNECTION
⊙	⊙	VEHICLE DETECTOR, INDUCTION LOOP
⊙	⊙	MAGNETIC DETECTOR
⊙	⊙	EMERGENCY VEHICLE LIGHT DETECTOR
⊙	⊙	CONFIRMATION BEACON
⊙	⊙	PUSHBUTTON DETECTOR
⊙	⊙	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊙	⊙	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
⊙	⊙	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SMI2F
⊙	⊙	SIGNAL HEADS, 3 OR 5 SECTION
⊙	⊙	RAILROAD CONTROL CABINET
⊙	⊙	ILLUMINATED SIGN "NO LEFT TURN"
⊙	⊙	ILLUMINATED SIGN "NO RIGHT TURN"
⊙	⊙	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
⊙	⊙	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
⊙	⊙	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊙	⊙	VIDEO VEHICLE SENSOR
⊙	⊙	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

CABLE PLAN



OVERLAP LETTER	PROTECTED PHASE
A	= 3
B	= 5
C	= 7
D	= 1

LEGEND

⊙	DUAL ENTRY PHASE
⊙	SINGLE ENTRY PHASE
⊙	OVERLAP
⊙	PEDESTRIAN PHASE
⊙	NUMBER REFERS TO ASSOCIATED PHASE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	17	7		0.50	59.5
SIGNAL (YELLOW)	17	13		0.25	55.25
SIGNAL (GREEN)	17	7		0.25	29.75
ARROW	22	10		0.10	22.0
PED. SIGNAL	8	7		1.00	56.0
CONTROLLER	1	100		1.00	100.0
ILLUM. SIGN	-	84		0.05	-
LUMINAIRE	4	250		0.50	500.0
FLASHER				0.50	
TOTAL =					822.5

ENERGY COSTS TO:
 UNITED CITY OF YORKVILLE
 800 GAME FARM ROAD
 YORKVILLE, ILLINOIS 60560
 ENERGY SUPPLY CONTACT: _____
 PHONE: () _____
 COMPANY: COMED

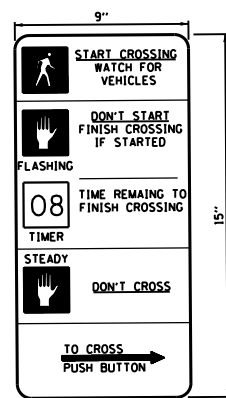
- NOTES:**
1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE COBALT "ECONOLITE" CONTROLLERS EDI-MMU AND LS-200 SWITCH
 2. ALL PEDESTRIAN PUSHBUTTONS SHALL BE "4EVR" BRAND.
 3. A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR
 4. THE UNINTERRUPTIBLE POWER SUPPLY SHALL BE TECH TO MATCH THE EXISTING POWER SUPPLY IN THE CITY OF YORKVILLE.
 5. THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.

ELDAMAIN RD		UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1		SQ FT	48
SIGN PANEL - TYPE 2		SQ FT	30
UNDERGROUND CONDUIT, PVC, 1" DIA.		FOOT	39
UNDERGROUND CONDUIT, PVC, 2" DIA.		FOOT	66
UNDERGROUND CONDUIT, PVC, 3" DIA.		FOOT	81
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C		FOOT	1042
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C		FOOT	1077
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C		FOOT	1273
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C		FOOT	490
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION		EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED		EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR		FOOT	1833
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C		FOOT	312
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.		EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.		EACH	3
CONCRETE FOUNDATION, TYPE A		FOOT	18
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED		EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED		EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED		EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC		EACH	6
PEDESTRIAN PUSH-BUTTON		EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER		EACH	4
INDUCTIVE LOOP DETECTOR		EACH	20
DETECTOR LOOP, TYPE 1		FOOT	262
LOOP DETECTOR TESTING		EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION		EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		EACH	1
DRILL EXISTING HANDHOLE		EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT		FOOT	1639
LED SIGNAL FACE RETROFIT, RED BALL		EACH	11
LED SIGNAL FACE RETROFIT, YELLOW BALL		EACH	11
LED SIGNAL FACE RETROFIT, GREEN BALL		EACH	11
LED SIGNAL FACE RETROFIT, YELLOW ARROW		EACH	7
LED SIGNAL FACE RETROFIT, GREEN ARROW		EACH	7
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL		EACH	1

DETECTOR LOOP SCHEDULE, ELDAMAIN RD

APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	DETECTOR LOOP TYPE 1 FOOT
WESTBOUND THROUGH	1	6	DETECTOR LOOP, TYPE 1	6'x6'	56	6	6.5'	80
	2	4	DETECTOR LOOP, TYPE 1	6'x20'	20	14	6.5'	72
EASTBOUND THROUGH	3	6	DETECTOR LOOP, TYPE 1	6'x6'	10	5	6.5'	34
	4	4	DETECTOR LOOP, TYPE 1	6'x20'	24	13	6.5'	76
GRAND TOTAL								262

PEDESTRIAN CROSSING SIGN DETAIL



5 REQUIRED

DIMENSIONS: 9 IN. x 15 IN. (TYP.)
 LEGEND AND BORDER: NON-REFLECTORIZED BLACK
 BACKGROUND: NON-REFLECTORIZED WHITE

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON.
 ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

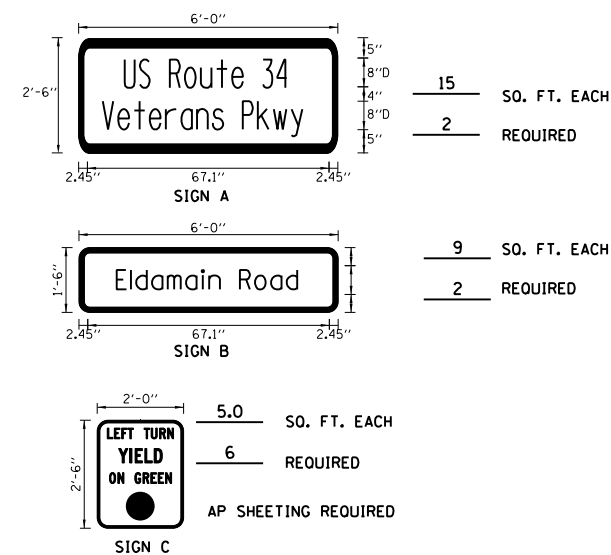
TYPE AP SHEETING REQUIRED

THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT EACH EXISTING PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.

SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS IN THE SAME LOCATION AS THEY ARE NOW OR AS DIRECTED BY THE ENGINEER.

- STREET NAME SIGNS:**
1. TYPE ZZ SHEETING REQUIRED
 2. WHITE/GREEN BACKGROUND
 3. STYLE (d) - 5/8 IN. BORDER
 4. 8 IN. SERIES D LETTERS
 5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



*(13)R-2([13 BR]C, (13 BR-1)BR)

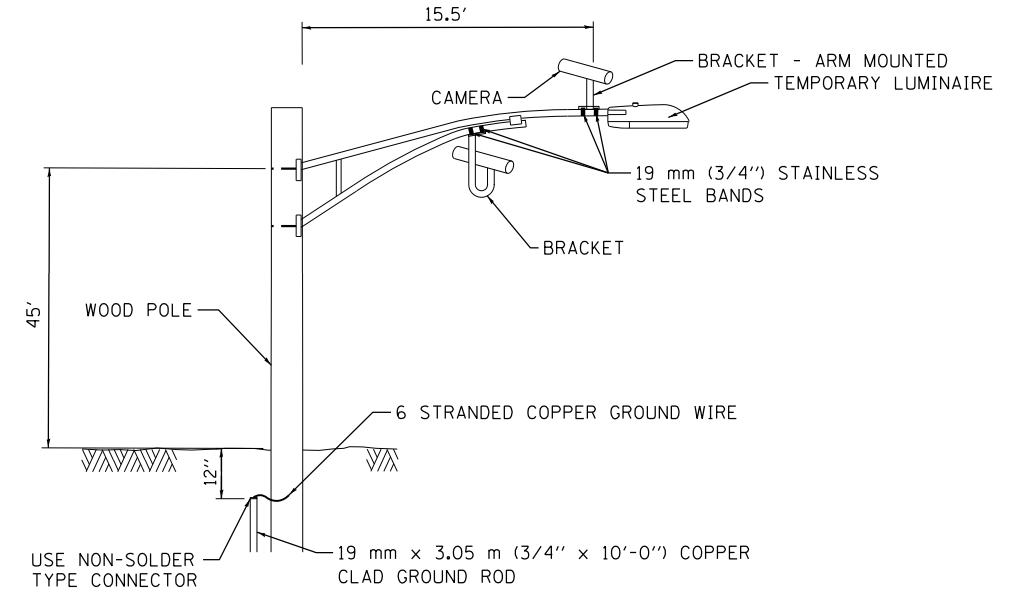
EXISTING EQUIPMENT TO BE REMOVED

- EXISTING SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL POST AND FOUNDATION
- EXISTING CONTROLLER AND FOUNDATION
- EXISTING HANDHOLE
- EXISTING HEAVY-DUTY HANDHOLE
- EXISTING STEEL MAST ARM POLE AND FOUNDATION
- EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- EXISTING CONFIRMATION BEACON
- EXISTING CONFIRMATION BEACON

TEMPORARY TRAFFIC SIGNAL LEGEND

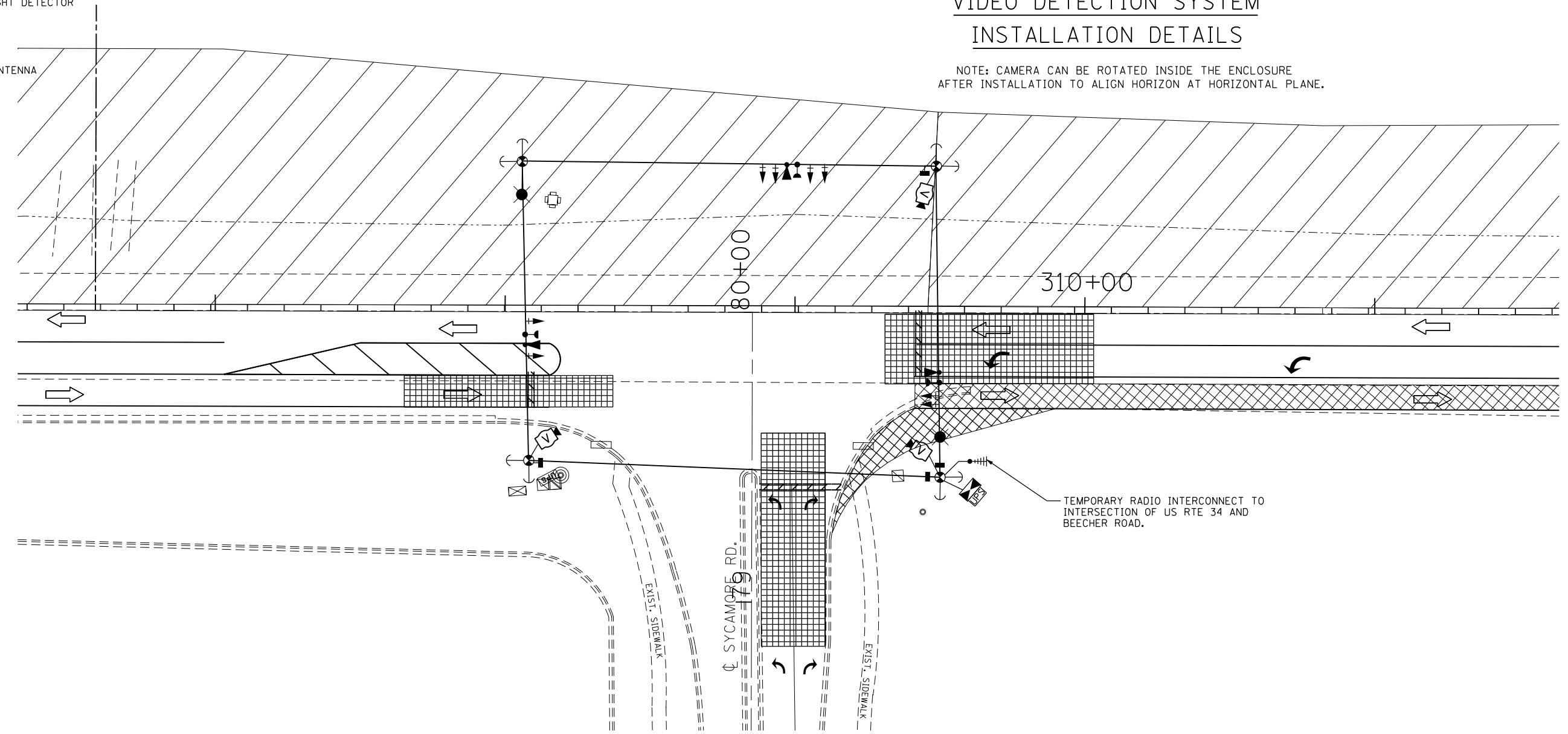
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



*(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -
DATE = 2/6/2017	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IA&IB - SYCAMORE ROAD AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

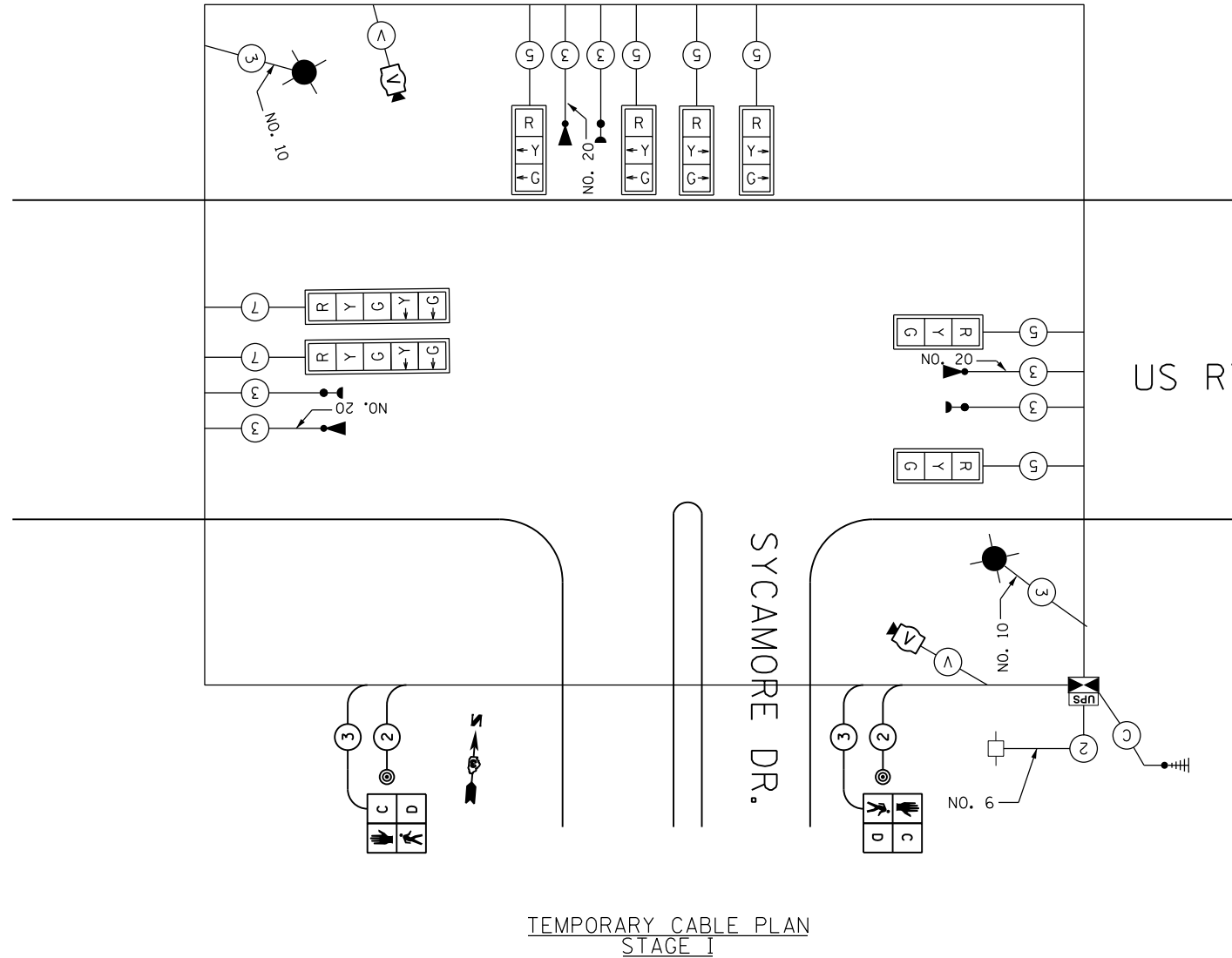
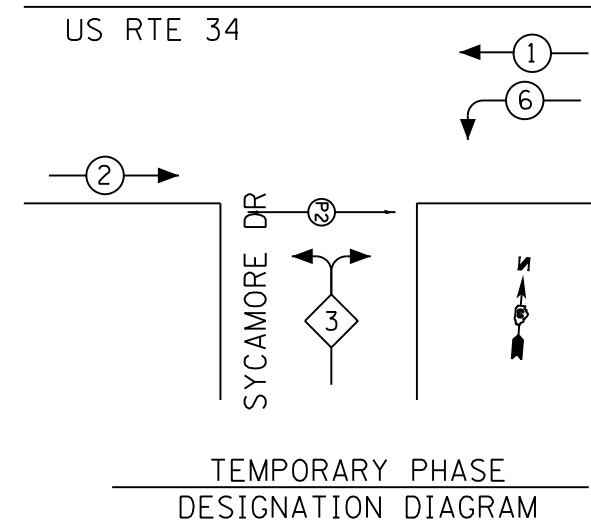
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	233
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

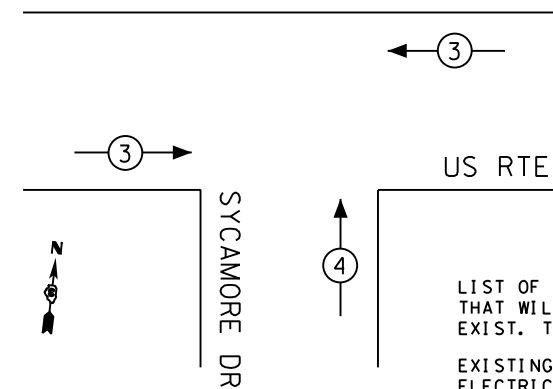
- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

LIST OF ITEMS TO BE REMOVED THAT WILL BE INCLUDED IN REMOVE EXIST. TRAFFIC SIGNAL EQUIPMENT:

EXISTING CONTROLLER CABINET WITH ALL ELECTRICAL COMPONENTS

DELIVER THE ABOVE ITEMS TO:

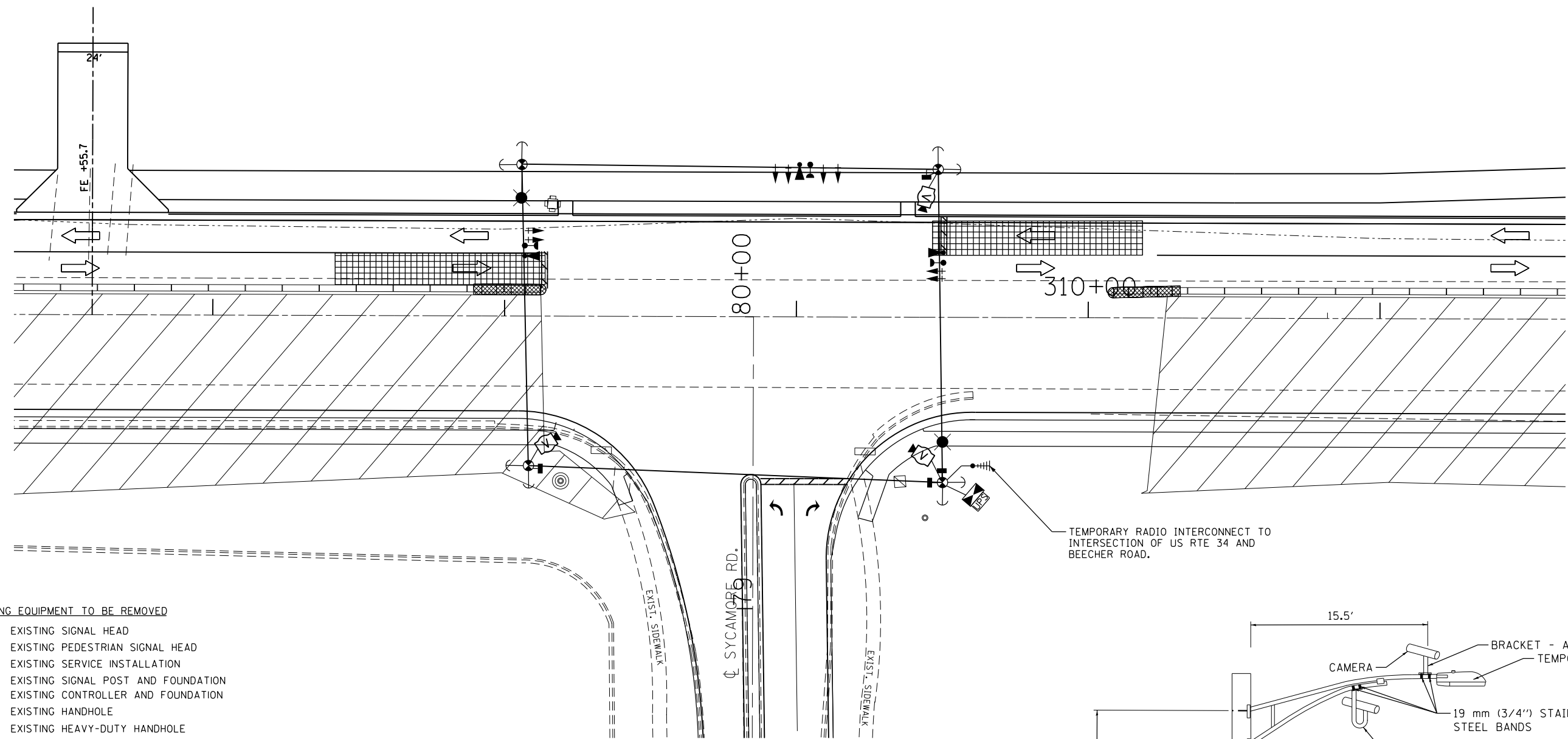
UNITED CITY OF YORKVILLE
800 GAME FARM ROAD
YORKVILLE, ILLINOIS 60560

ITEMS TO BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE ROW:

3 STREET SIGNS AND 4 YIELD ON GREEN CIRCLE SIGN
8 PEDESTRIAN SIGNAL HEADS
4 WOOD POSTS W/4 LIGHTING MAST ARMS
10 EACH SIGNAL HEADS
SERVICE INSTALLATION
ALL WIRES

NOTE:STAGE IA & IB SHALL USE THE SAME CABLE PLAN

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TEMPORARY CABLE PLAN STAGE IA&IB- SYCAMORE ROAD AND US 34		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT DATE = 2/1/2017	CHECKED -	REVISED -					591	.	KENDALL	533	234
									CONTRACT NO. 66993			
											ILLINOIS FED. AID PROJECT	



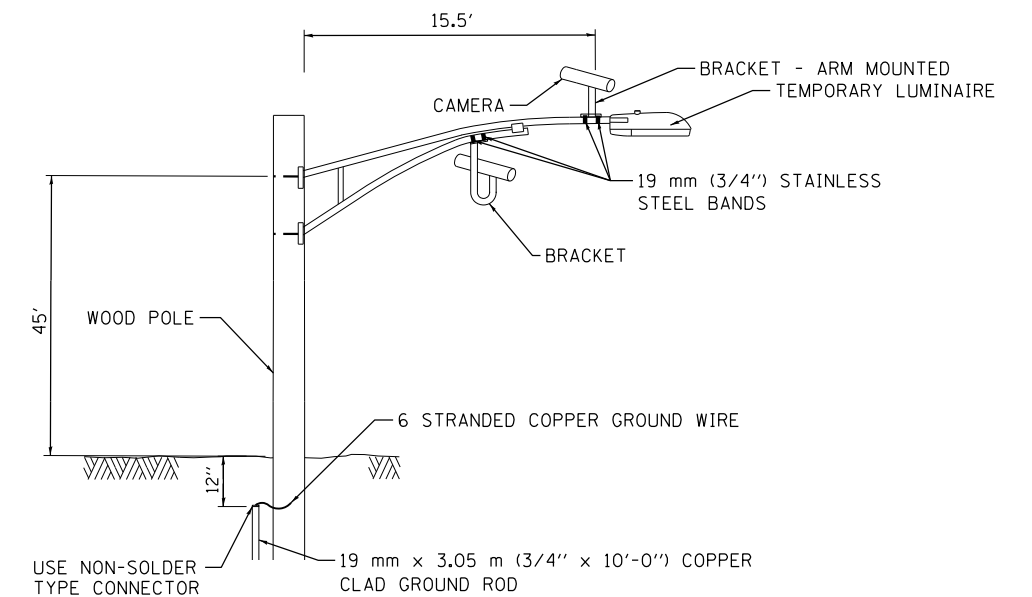
EXISTING EQUIPMENT TO BE REMOVED

- EXISTING SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL POST AND FOUNDATION
- EXISTING CONTROLLER AND FOUNDATION
- EXISTING HANDHOLE
- EXISTING HEAVY-DUTY HANDHOLE
- EXISTING STEEL MAST ARM POLE AND FOUNDATION
- EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- EXISTING CONFIRMATION BEACON
- EXISTING CONFIRMATION BEACON

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

TEMPORARY RADIO INTERCONNECT TO INTERSECTION OF US RTE 34 AND BEECHER ROAD.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIW001\Documents\DOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-Signals\SYCAMORE.Rd		CHECKED -	REVISED -
Default	PLOT DATE = 2/6/2017	DATE -	REVISED -



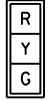








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IIA - SYCAMORE ROAD AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

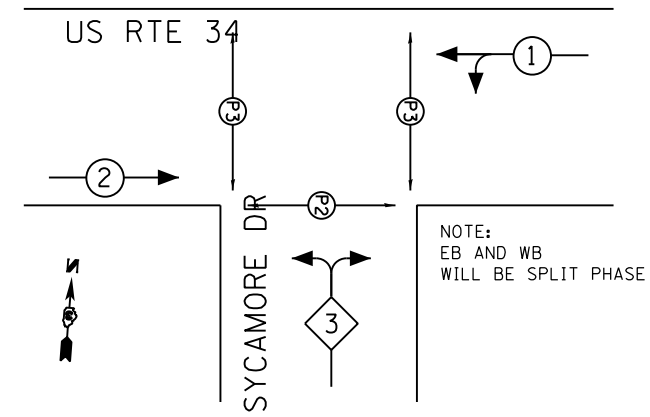
*(13)R-2[(13 BR)C, (13 BR-1)BR]				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	235
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

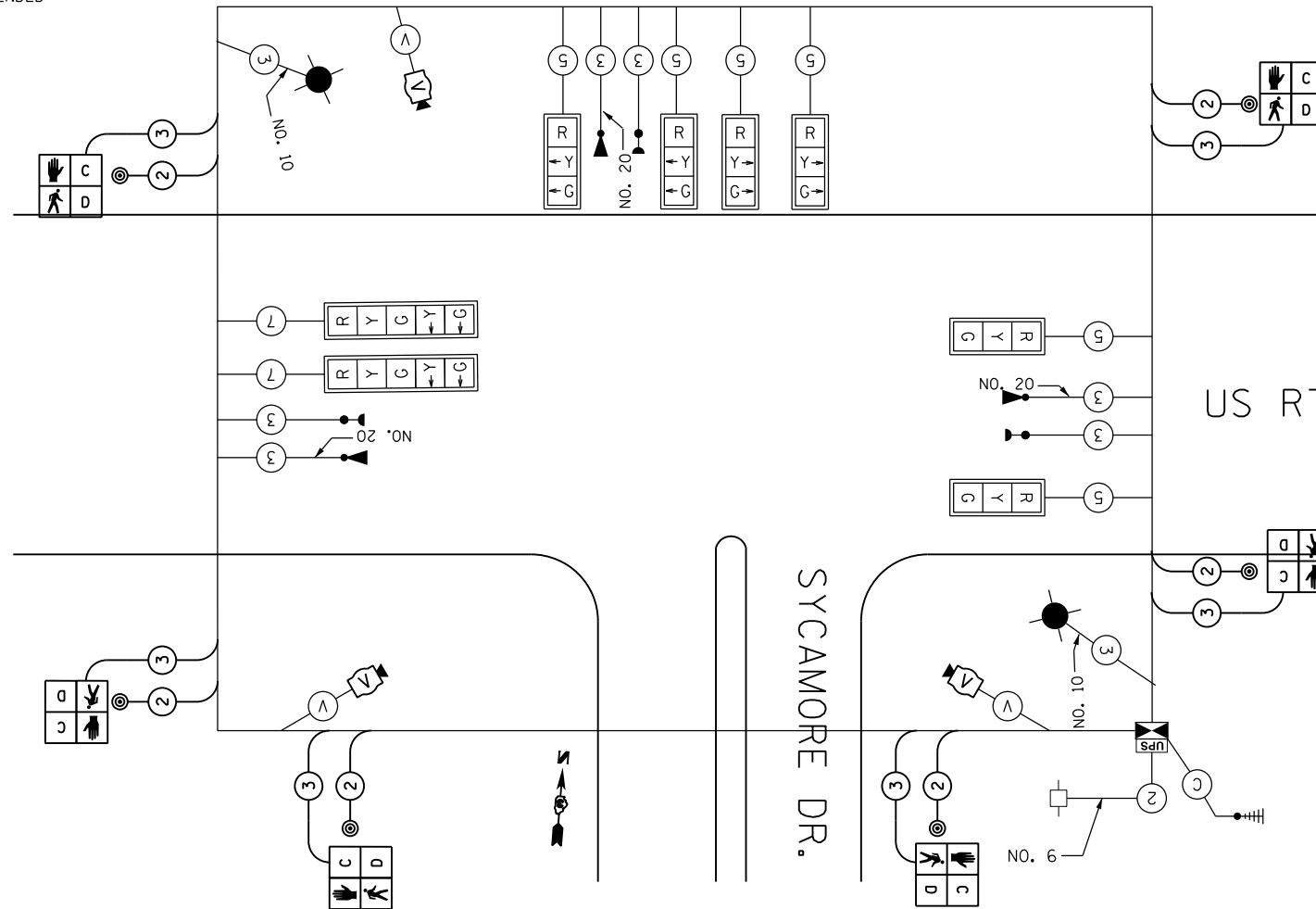
- (V)** VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR
VEHICLE VIDEO DETECTION SYSTEM)
- (S)** SERVICE CABLE
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L)** LIGHTING CABLE
600V (XLP-TYPE USE) 3 - 1/C NO.10

CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

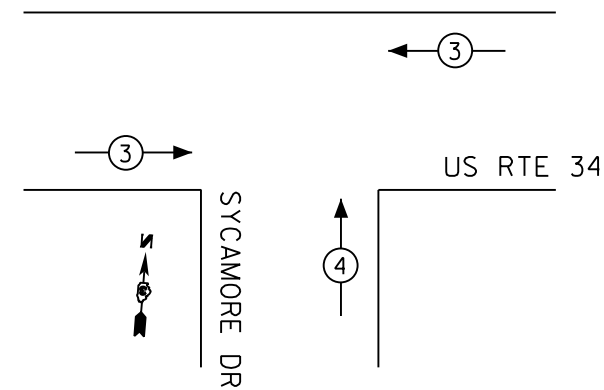
NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



TEMPORARY CABLE PLAN
STAGE II

EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↑



NOTE: TURN TRAFFIC SIGNALS OFF DURING STAGE IIB

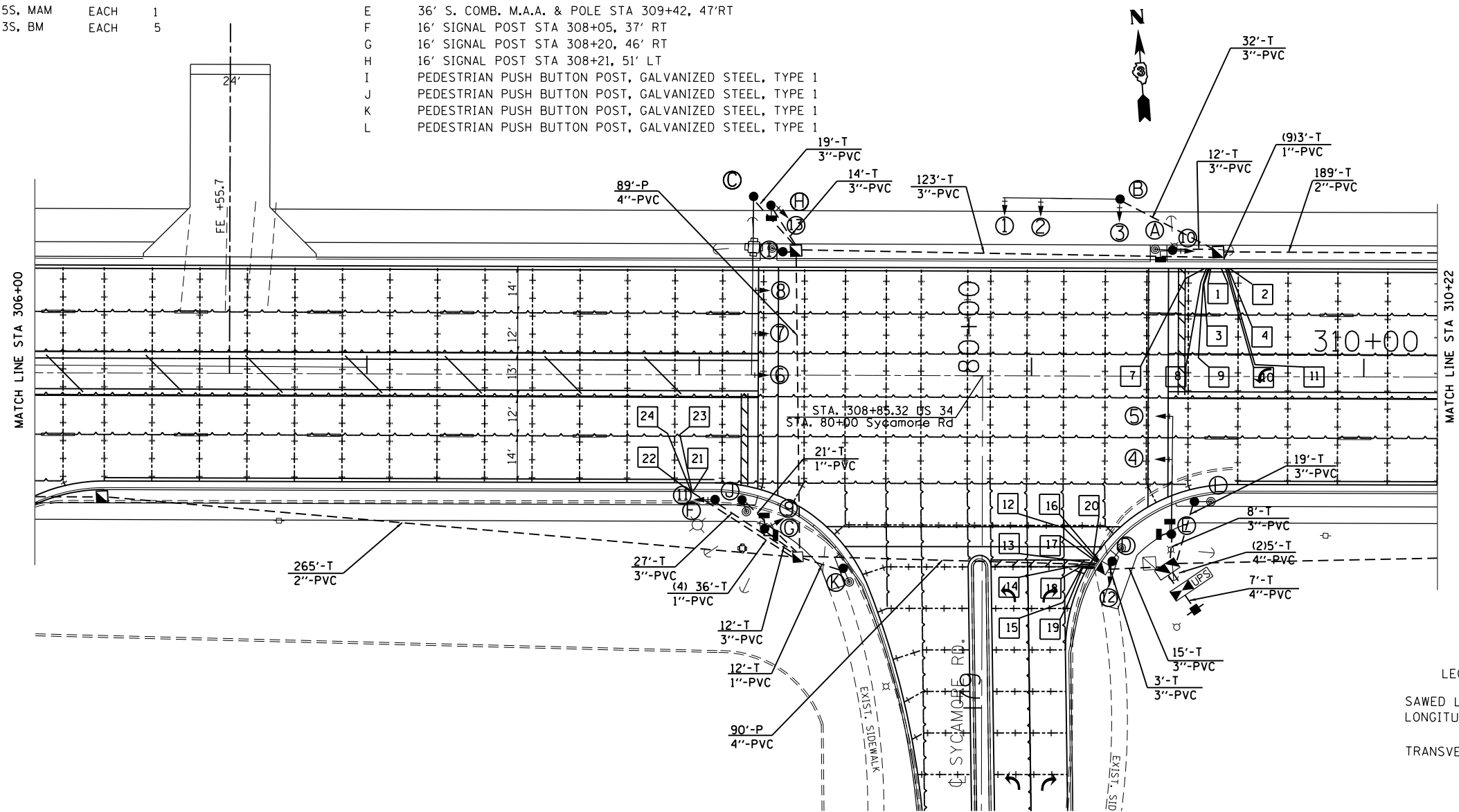
*(13)R-2[(13 BR)C, (13 BR-1)BR]

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITIES
1, 2, 4, 5, 7, 8,	SH, 1F, 3S, MAM	EACH	6
9	SH, 1F, 5S, BM	EACH	1
6	SH, 1F, 5S, MAM	EACH	1
3, 10, 11, 12, 13	SH, 1F, 3S, BM	EACH	5

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

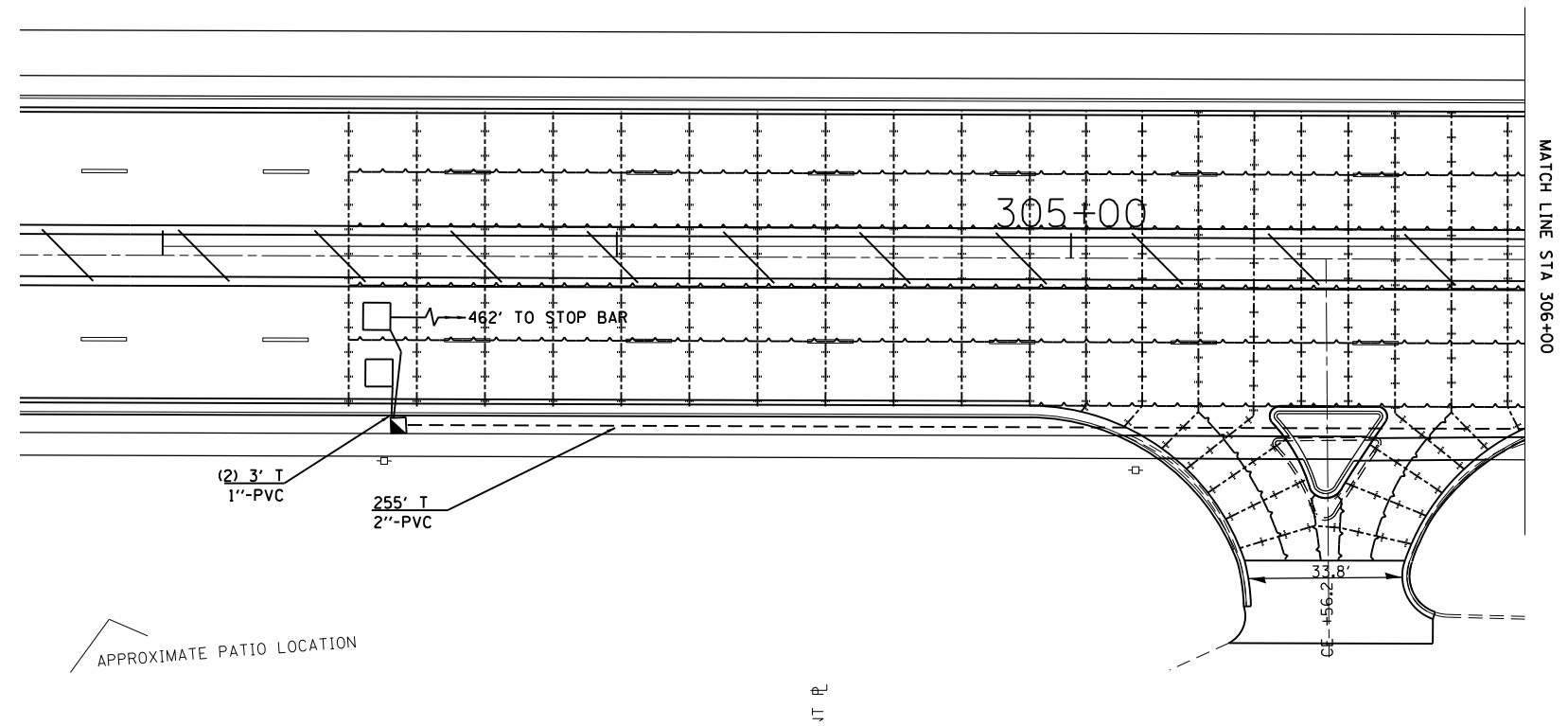
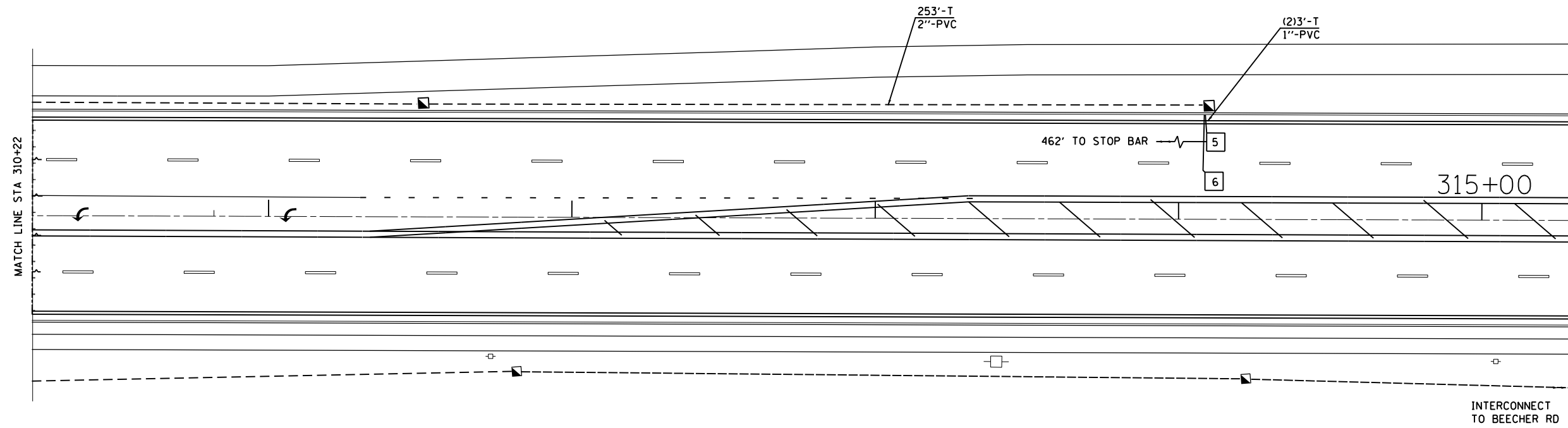
LOCATION	LENGTH
A	16' SIGNAL POST STA 309+42, 38'LT
B	36' STEEL M.A.A. & POLE STA 309+26, 53'LT
C	54' S. COMB. M.A.A. & POLE STA 308+16, 53'LT
D	16' SIGNAL POST STA 309+25, 56'RT
E	36' S. COMB. M.A.A. & POLE STA 309+42, 47'RT
F	16' SIGNAL POST STA 308+05, 37' RT
G	16' SIGNAL POST STA 308+20, 46' RT
H	16' SIGNAL POST STA 308+21, 51' LT
I	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1
J	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1
K	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1
L	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1



LEGEND
 SAWED LONGITUDINAL JOINT OR
 LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT

TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- UNINTERRUPTIBLE POWER SUPPLY
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- CONDUIT: "T" TRENCH, "P" PUSHED
- PREFORMED DETECTOR LOOP, 6'x6'



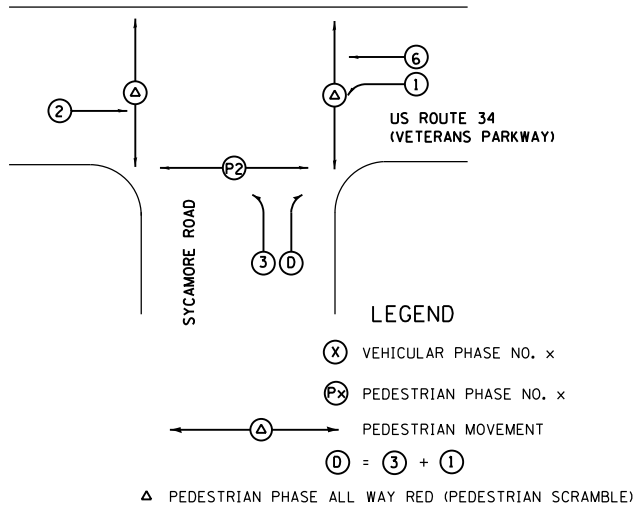
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SYCAMORE RD TRAFFIC SIGNALS

SCALE: SHEET OF SHEETS STA. TO STA.

*(13)R-2[(13 BR)C, (13 BR-1)BR]				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	238
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



PHASE DESIGNATION DIAGRAM

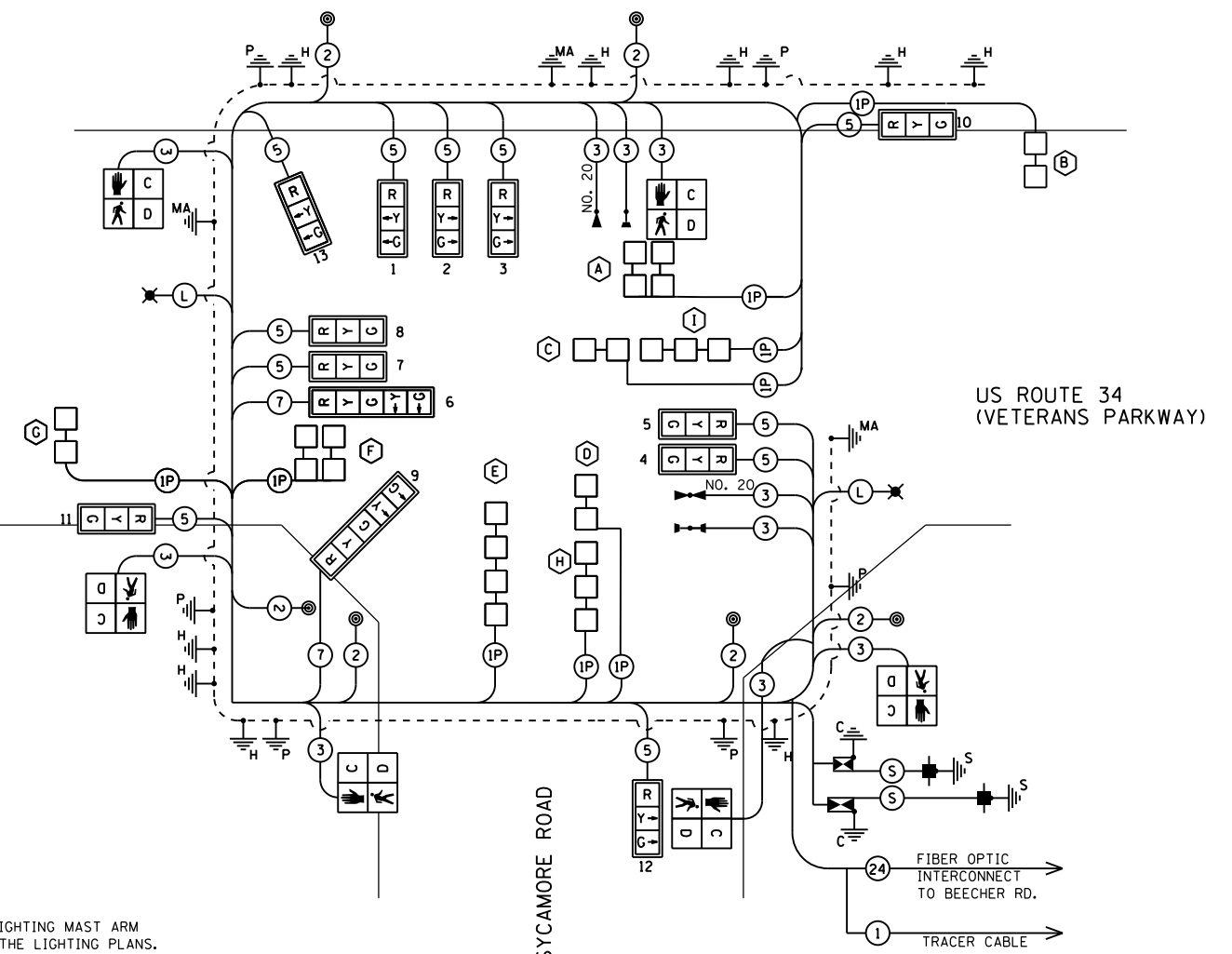
SYCAMORE RD	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	23
SIGN PANEL - TYPE 2	SQ FT	15
SERVICE INSTALLATION, TYPE C	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	216
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	962
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	289
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	195
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	143
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	372
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER, FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED	FOOT	818
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	935
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1724
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1956
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1300
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	2700
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	30
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	851
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE 1	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	5
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT., SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18
CONCRETE FOUNDATION, TYPE C	FOOT	3
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CONCRETE FOUNDATION, TYPE E 36 IN. DIAMETER	FOOT	34
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	9
PREFORMED DETECTOR LOOP	FOOT	1076
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1557
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
RE-OPTIMIZE TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1

PROPOSED CABLE DIAGRAM LEGEND

- ☑ CONTROLLER AND CABINET
- ☑ LIGHTING CONTROLLER AND CABINET
- ☑ SERVICE INSTALLATION
- RYG TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- ☼ LUMINAIRE, SODIUM VAPOR, 400 WATT
- ☑ C D PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- ⊙ PEDESTRIAN PUSH BUTTON
- DETECTOR LOOP
- ⬢ DETECTOR LOOP SYSTEM
- H GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- P/MA GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- C GROUND ROD AT CONTROLLER
- L LIGHT DETECTOR
- CONFIRMATION BEACON
- S SERVICE CABLE
- L LIGHTING CABLE

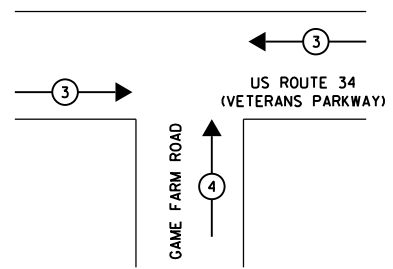
NOTES:

THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.



CABLE DIAGRAM

LUMINAIRES: 400 WATT HPS STERNBERG 1914A/CHS LUMINAIRES



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	← → ↑

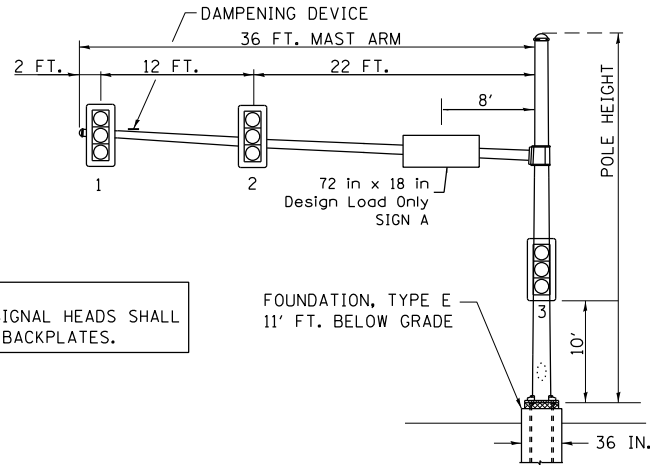
NOTIFY THE TRAFFIC SIGNAL SECTION AT (815) 434-8506 72 HOURS IN ADVANCE TO REDESIGN THE DETECTOR LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.

NOTES:

1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE COBALT "ECONOLITE" CONTROLLERS EDI-MMU AND LS-200 SWITCH
2. ALL PEDESTRIAN PUSHBUTTONS SHALL BE "4EVR" BRAND.
3. A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR
4. THE UNINTERRUPTABLE POWER SUPPLY SHALL BE TECH TO MATCH THE EXISTING POWER SUPPLY IN THE CITY OF YORKVILLE.
5. THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.

*(13)R-2[(13 BR)C, (13 BR-1)BR]

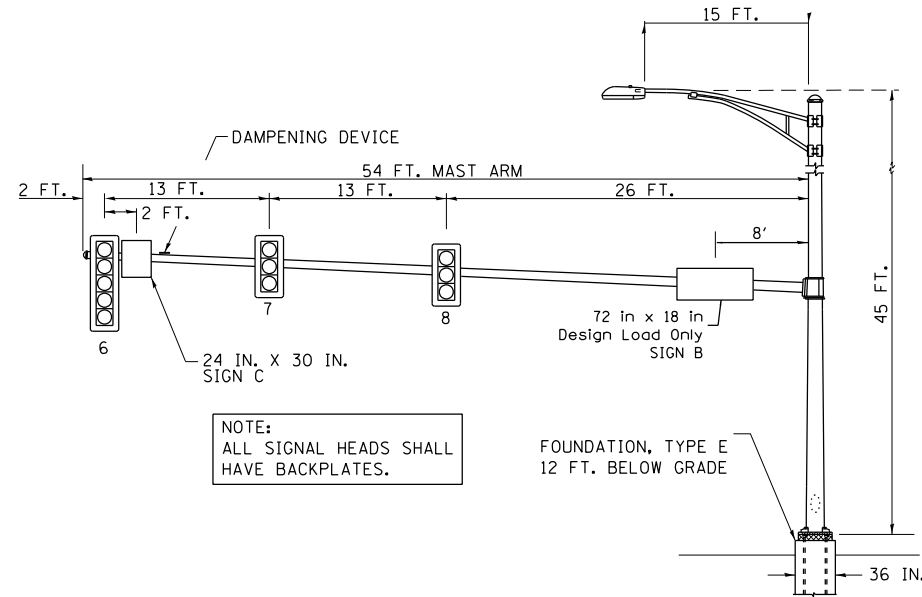
MAST ARM NORTHEAST QUADRANT



NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

FOUNDATION, TYPE E
11' FT. BELOW GRADE

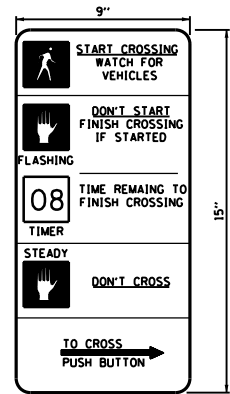
MAST ARM NORTHWEST QUADRANT



NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

FOUNDATION, TYPE E
12' FT. BELOW GRADE

PEDESTRIAN CROSSING SIGN DETAIL



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT EACH EXISTING PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.

4 REQUIRED

DIMENSIONS: 9 IN. x 15 IN. (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: NON-REFLECTORIZED WHITE

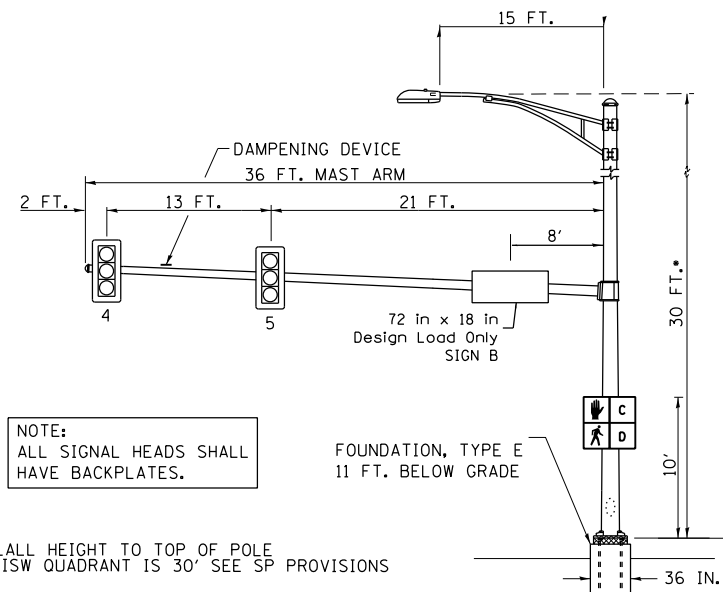
ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

TYPE AP SHEETING REQUIRED

MAST ARM SOUTHEAST QUADRANT



NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

FOUNDATION, TYPE E
11' FT. BELOW GRADE

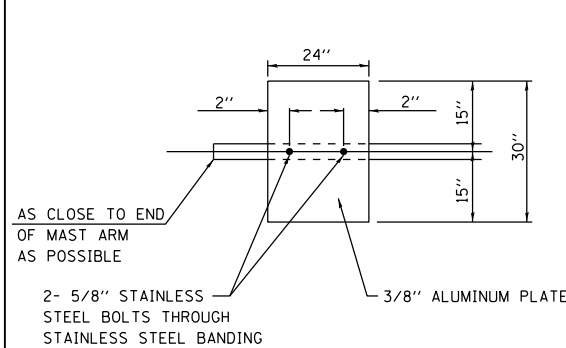
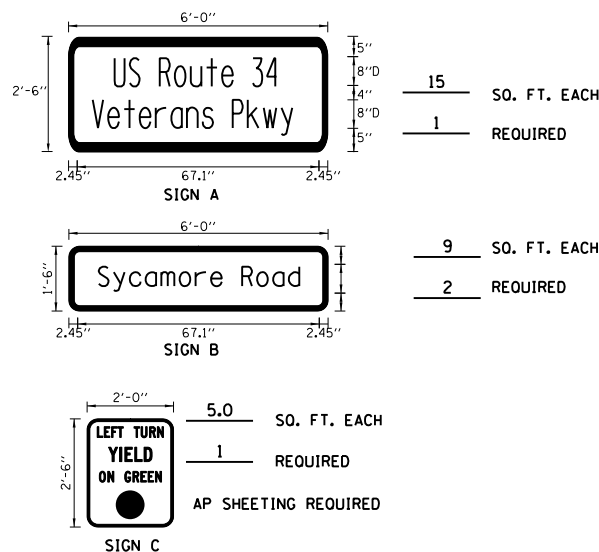
OVERALL HEIGHT TO TOP OF POLE
IN THIS QUADRANT IS 30' SEE SP PROVISIONS

SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

STREET NAME SIGNS:

1. TYPE ZZ SHEETING REQUIRED
2. WHITE/GREEN BACKGROUND
3. STYLE (d) - 5/8 IN. BORDER
4. 8 IN. SERIES D LETTERS
5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



DAMPENING PLATE DETAIL
(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

ELECTRICAL LOAD CHART

US ROUTE 34 (VETERANS PARKWAY)			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	17	60
YELLOW	8	25	5
GREEN	8	15	35
YELLOW ARROW	2	12	5
GREEN ARROW	2	12	35
Hand icon	4	25	5
Hand icon	4	25	95

SYCAMORE ROAD			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	5	11	85
YELLOW ARROW	5	10	5
GREEN ARROW	5	11	10
Hand icon	2	25	5
Hand icon	2	25	95

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	100	100
INDUCTIVE LOOP DETECTOR	10	8.5	100
UNINTERRUPTABLE POWER SUPPLY	1	1700	100

HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRES	2	400	50

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF YORKVILLE

*(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -
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#MODELNAME#	PLOT DATE = 4/29/2017	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM LOADING DIAGRAM
US 34 AND SYCAMORE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	240
				CONTRACT NO. 66993
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP SCHEDULE, SYCAMORE RD

APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	PREFORMED DETECTOR LOOP FOOT
WESTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	8	5	6.5'	32
	2	6	PREFORMED DETECTOR LOOP	6'x6'	8	5	6.5'	32
	3	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
	4	6	PREFORMED DETECTOR LOOP	6'x6'	21	5	6.5'	44.5
	5	6	PREFORMED DETECTOR LOOP	6'x6'	7	5	6.5'	31
	6	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
WESTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	56.5
	8	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	56.5
	9	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	57
	10	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	57
	11	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	56.5
NORTHBOUND LEFT	12	6	PREFORMED DETECTOR LOOP	6'x6'	28	5	6.5'	52
	13	6	PREFORMED DETECTOR LOOP	6'x6'	22	5	6.5'	45.5
	14	6	PREFORMED DETECTOR LOOP	6'x6'	17	5	6.5'	41
	15	6	PREFORMED DETECTOR LOOP	6'x6'	14	5	6.5'	38
NORTHBOUND RIGHT	16	6	PREFORMED DETECTOR LOOP	6'x6'	18	5	6.5'	42
	17	6	PREFORMED DETECTOR LOOP	6'x6'	11	5	6.5'	34.5
	18	6	PREFORMED DETECTOR LOOP	6'x6'	5	5	6.5'	28.5
	19	6	PREFORMED DETECTOR LOOP	6'x6'	2	5	6.5'	26
	20	6	PREFORMED DETECTOR LOOP	6'x6'	9	5	6.5'	33
EASTBOUND THROUGH	21	6	PREFORMED DETECTOR LOOP	6'x6'	8	5	6.5'	31.5
	22	6	PREFORMED DETECTOR LOOP	6'x6'	8	5	6.5'	31.5
	23	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
	24	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
	25	6	PREFORMED DETECTOR LOOP	6'x6'	7	5	6.5'	31
	26	6	PREFORMED DETECTOR LOOP	6'x6'	19	5	6.5'	43
GRAND TOTAL								1076

*(13)R-2[(13 BR)C, (13 BR-1)BR]

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.

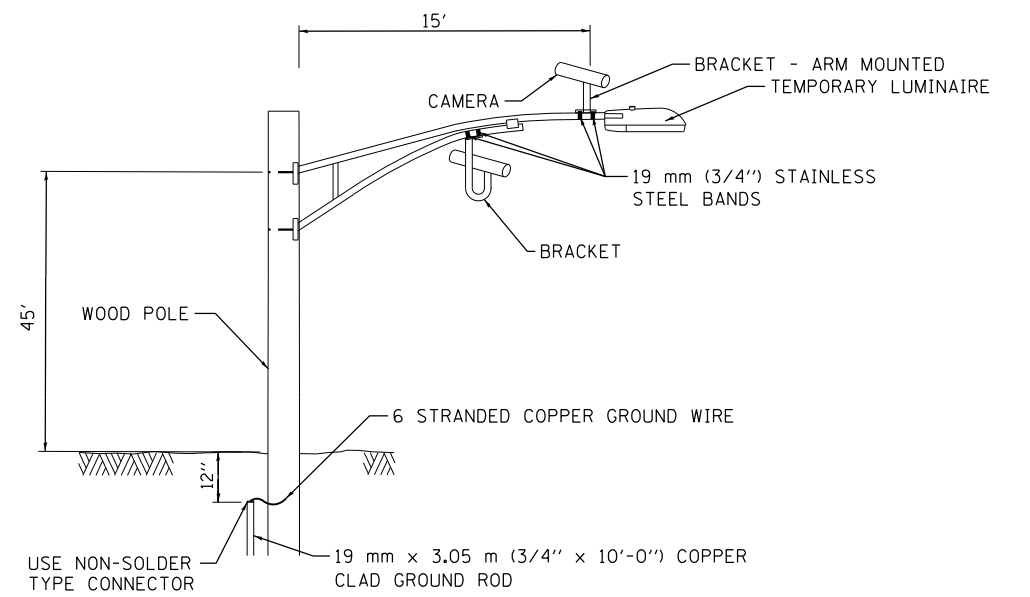
LIST OF ITEMS TO BE REMOVED THAT WILL BE INCLUDED IN REMOVE EXIST. TRAFFIC SIGNAL EQUIPMENT:
 EXISTING CONTROLLER CABINET WITH ALL ELECTRICAL COMPONENTS AND THE EXISTING UPS

DELIVER THE ABOVE ITEMS TO:

UNITED CITY OF YORKVILLE
 800 GAME FARM ROAD
 YORKVILLE, ILLINOIS 60560

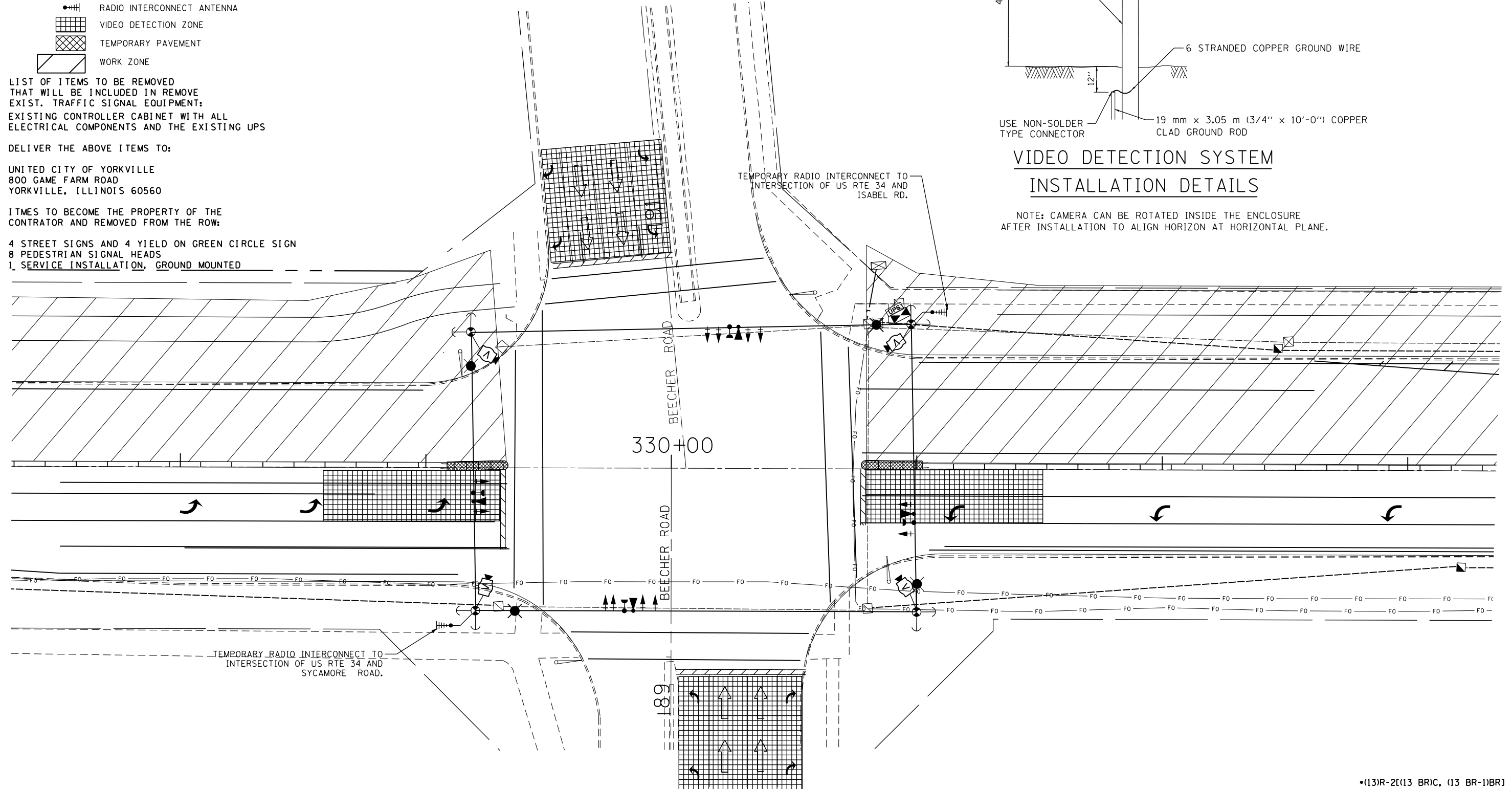
ITEMS TO BECOME THE PROPERTY OF THE CONTRATOR AND REMOVED FROM THE ROW:

- 4 STREET SIGNS AND 4 YIELD ON GREEN CIRCLE SIGN
- 8 PEDESTRIAN SIGNAL HEADS
- 1 SERVICE INSTALLATION, GROUND MOUNTED



**VIDEO DETECTION SYSTEM
 INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE IA - BEECHER ROAD AND US 34	F.A. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-Signals\BeecherRd						591	.	KENDALL	533	242
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 66993				
	PLOT DATE = 2/1/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

•(13)R-2(13 BR)C, (13 BR-1)BR

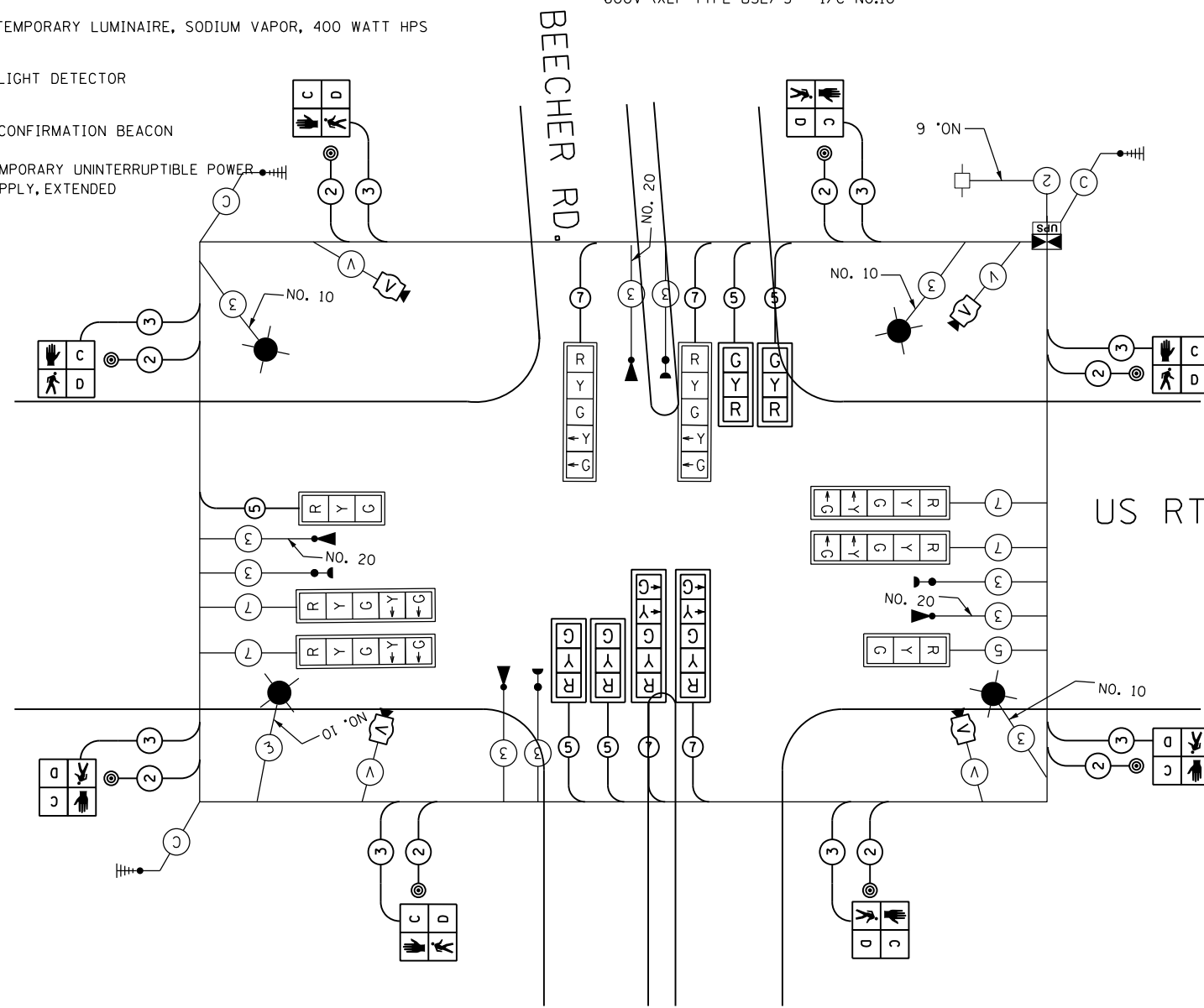
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

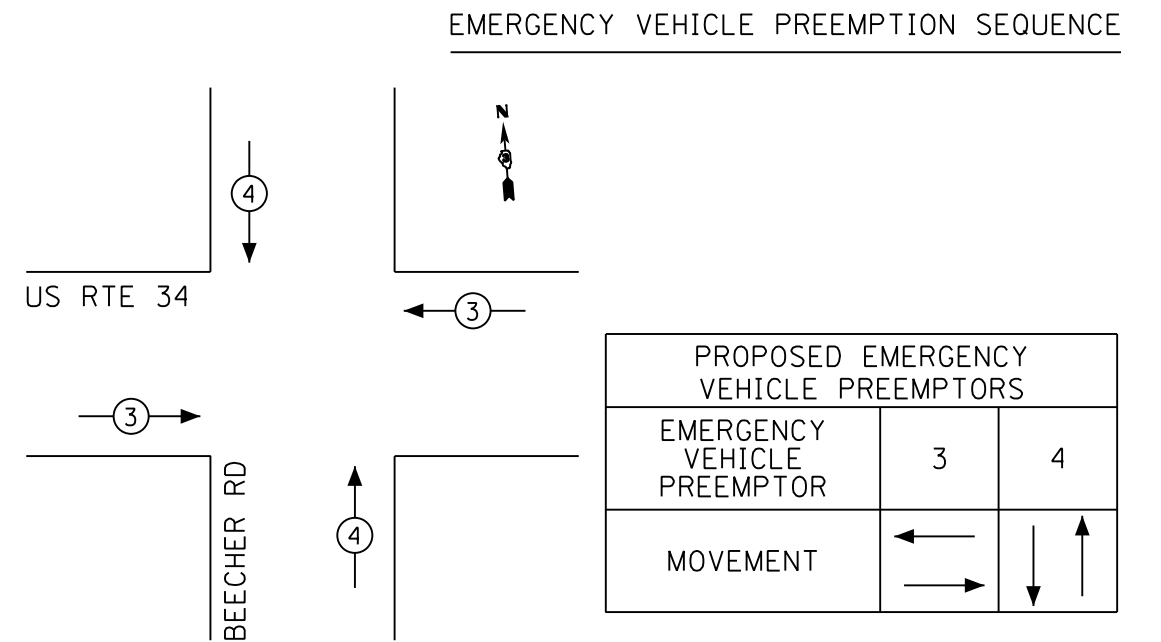
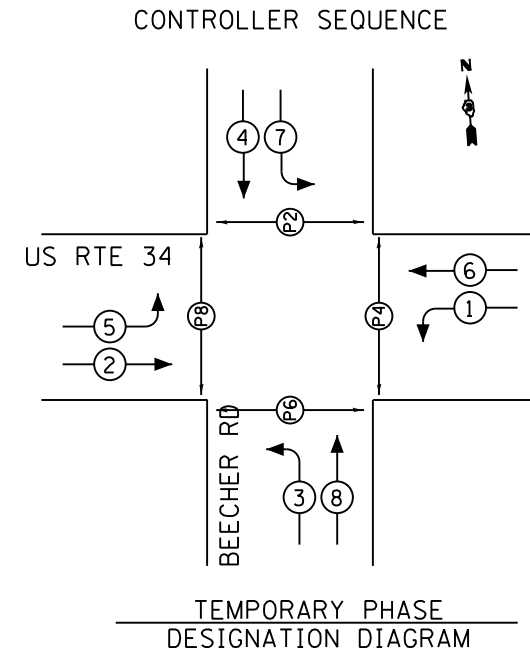
(V) VIDEO CAMERA CABLE
 6 PAIRS, TWISTED REQUIRED
 3 PAIRS CONDUCTOR FOR POWER
 - 24V AC (AC+, AC-, GND)
 1 PAIR DATA
 1 PAIR COMPOSITE VIDEO
 1 PAIR DETECTOR DATA
 OVERALL SHIELD
 MINIMUM 16AWG (PAIRS)
 (TO BE INCLUDED IN THE BID PRICE FOR
 VEHICLE VIDEO DETECTION SYSTEM)

(S) SERVICE CABLE
 ELECTRIC CABLE IN CONDUIT,
 SERVICE, NO.6 2C

(L) LIGHTING CABLE
 600V (XLP-TYPE USE) 3 - 1/C NO.10



















TEMPORARY CABLE PLAN

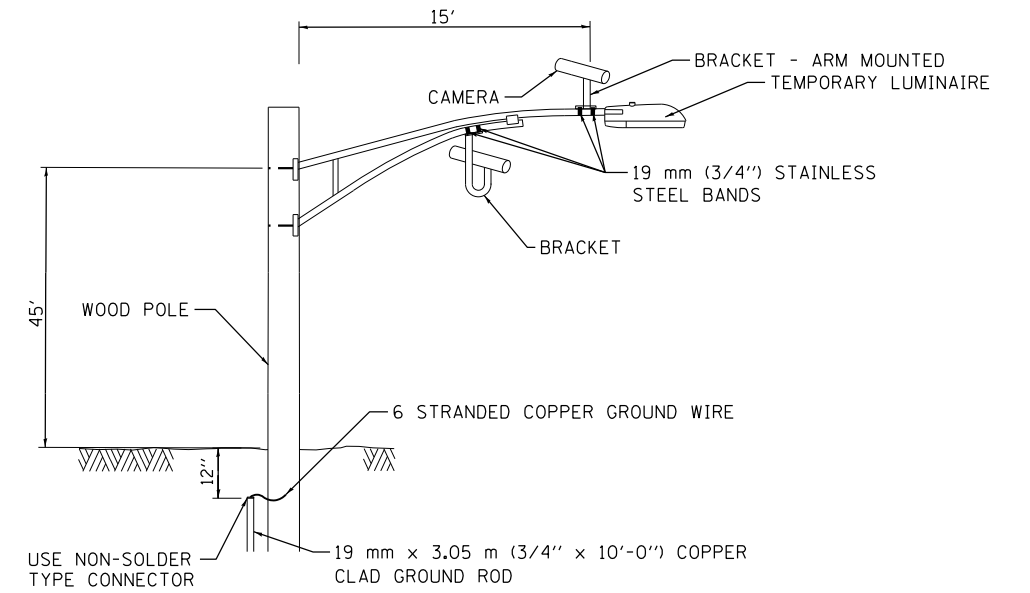


NOTE:
 FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

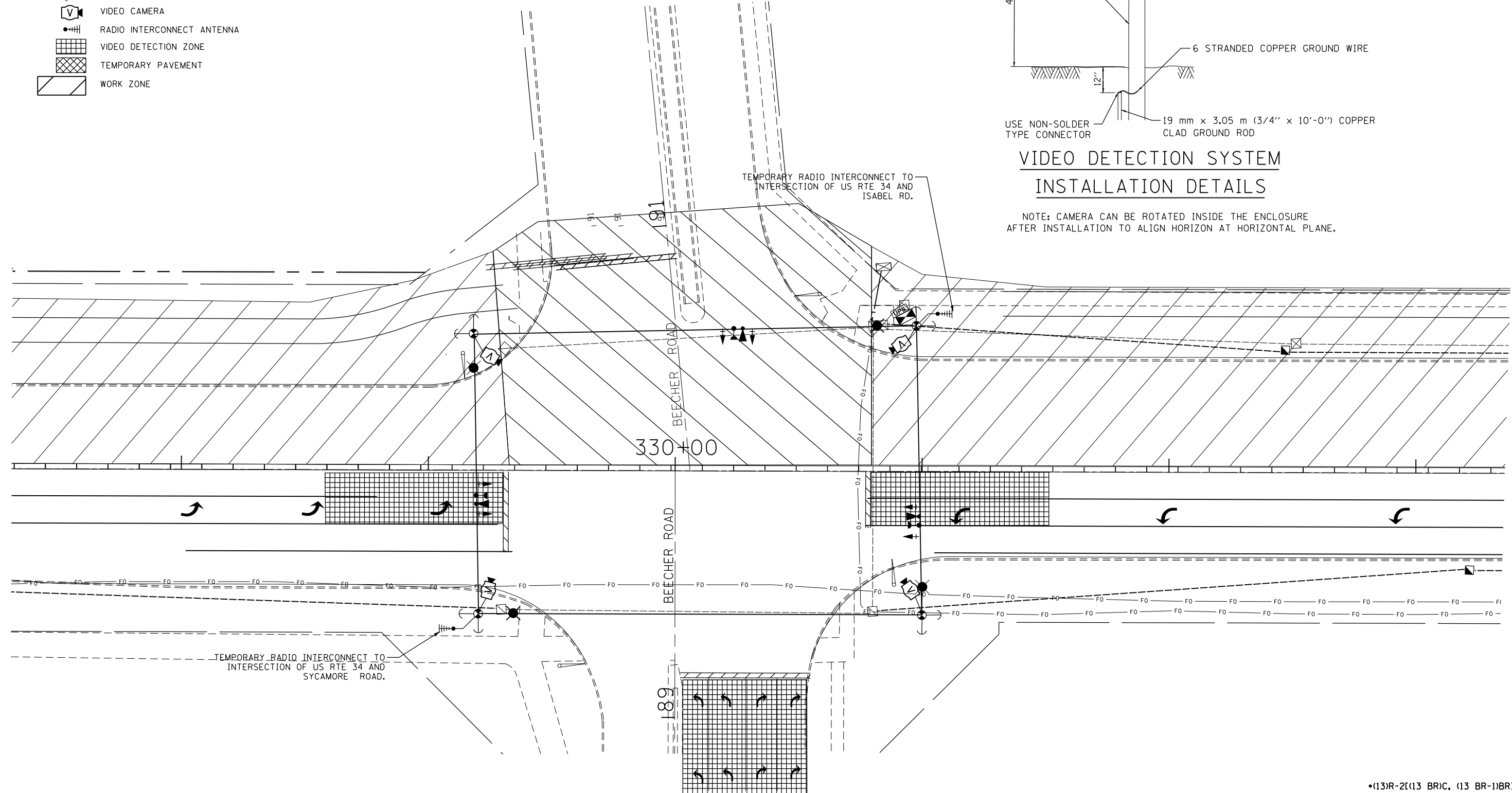
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 250W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.














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Default	Documents\IDOT Offices\District 3\Projects\EP03507-sht-Signals\Drawings\EP03507-sht-Signals\BeecherRd	CHECKED -	REVISED -			591	.	KENDALL	533	244
	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993				

•(13)R-2[(13 BR)C, (13 BR-1)BR]

SCALE: SHEET OF SHEETS STA. TO STA.

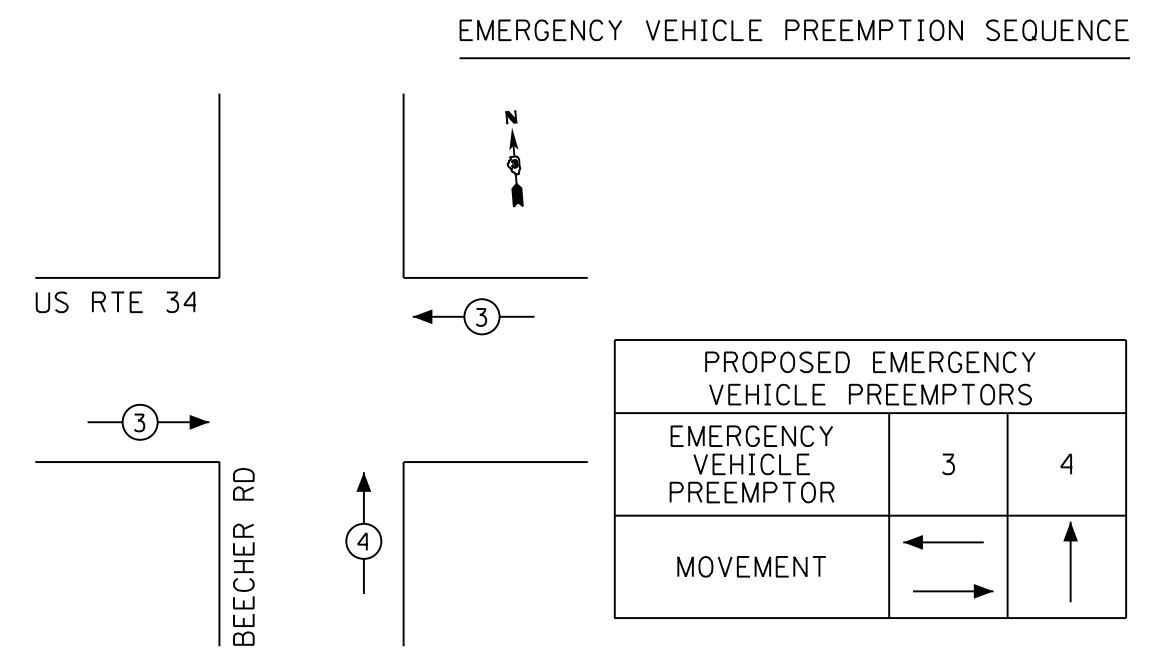
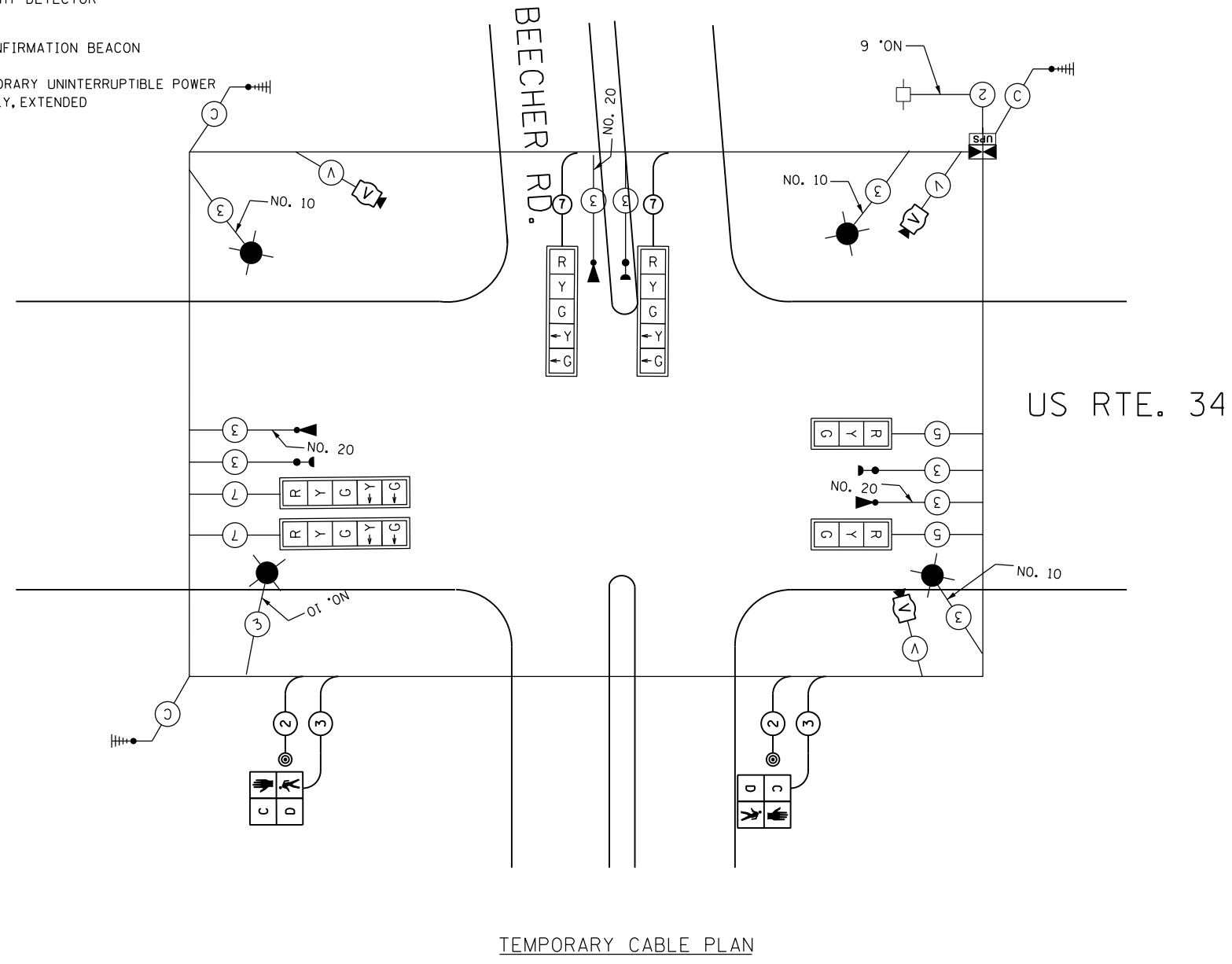
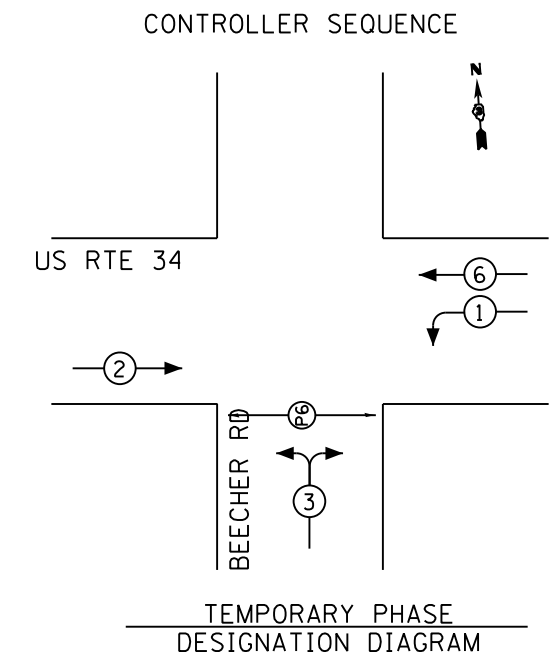
ILLINOIS FED. AID PROJECT

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

















- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR
VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

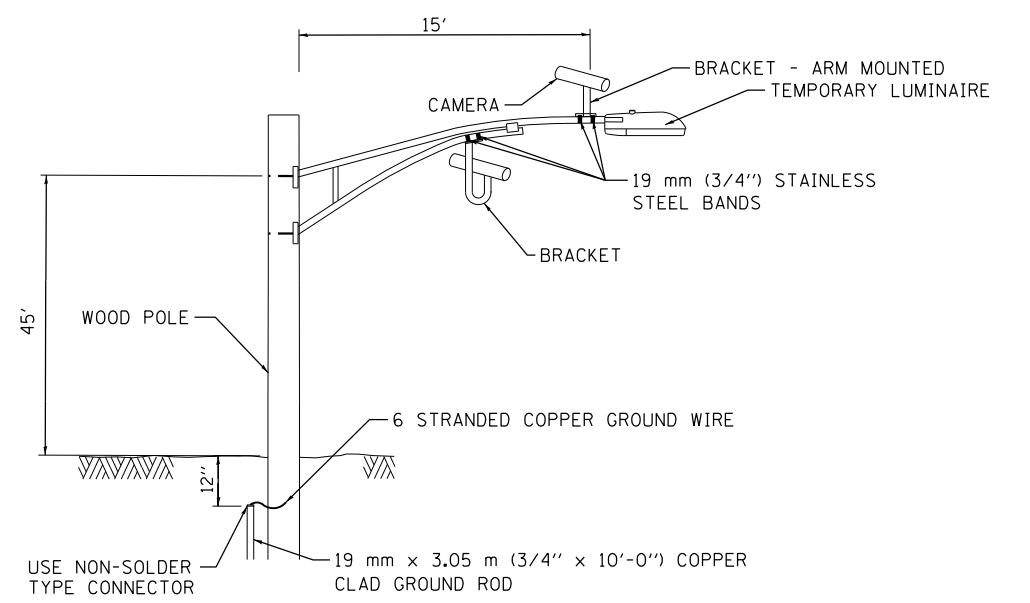


NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

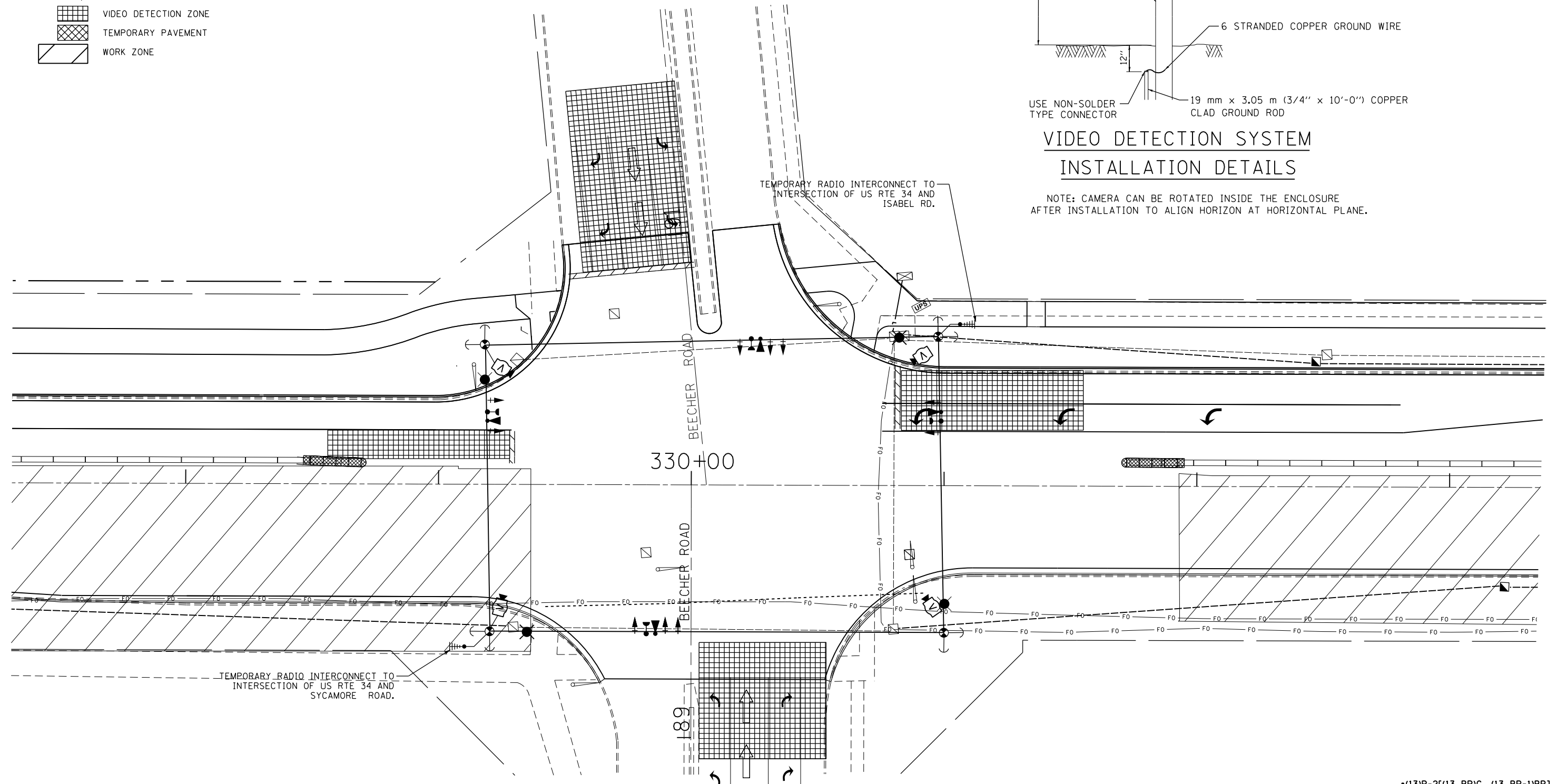
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 250W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



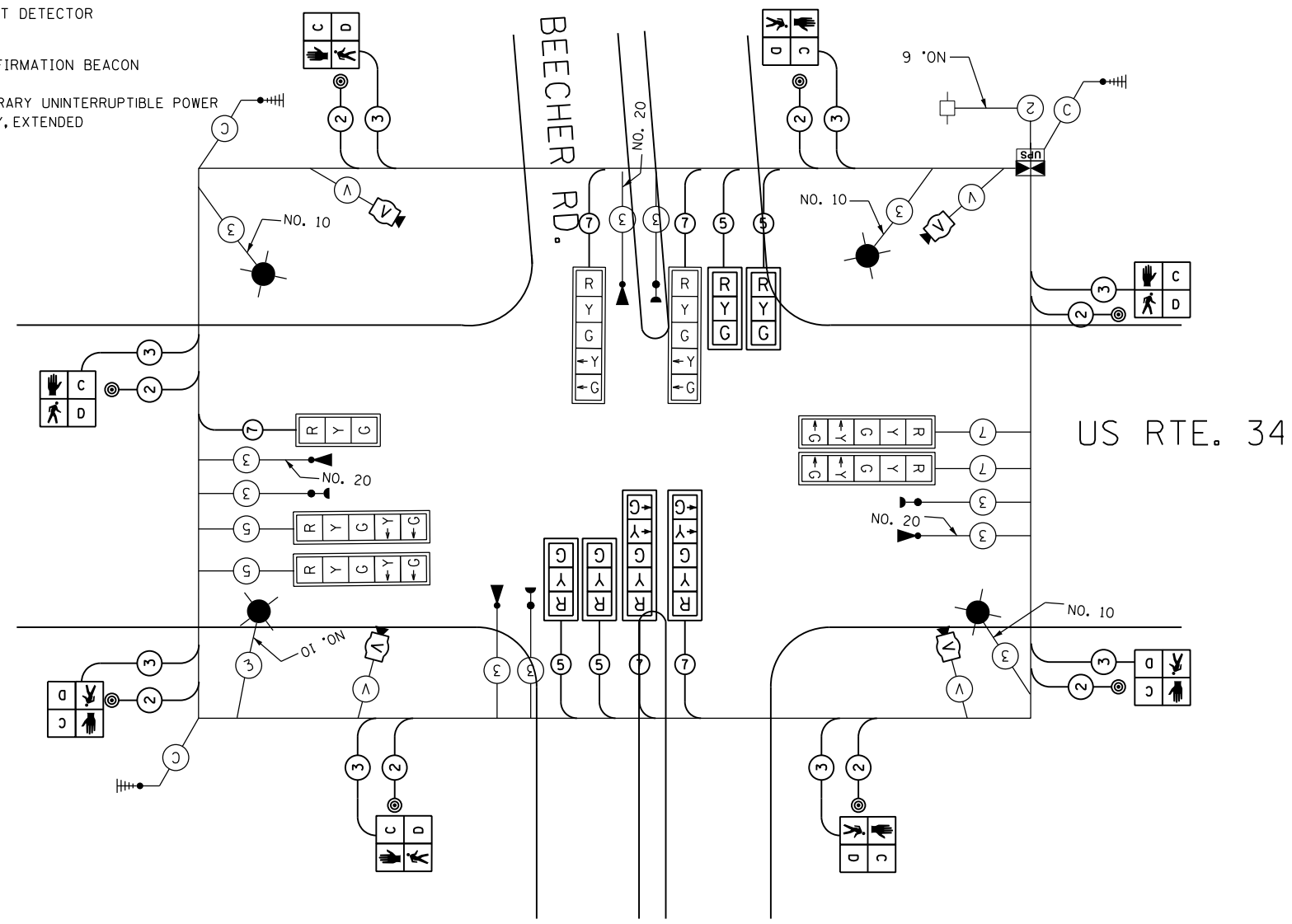
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Default		PLOT SCALE = 40.0000' / in.		DATE -		REVISED -				SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	

•(13)R-2[(13 BR)C, (13 BR-1)BR]

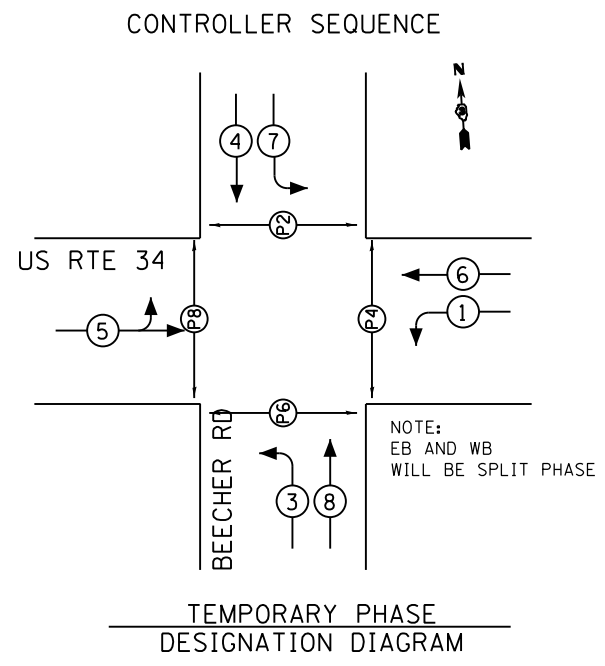
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

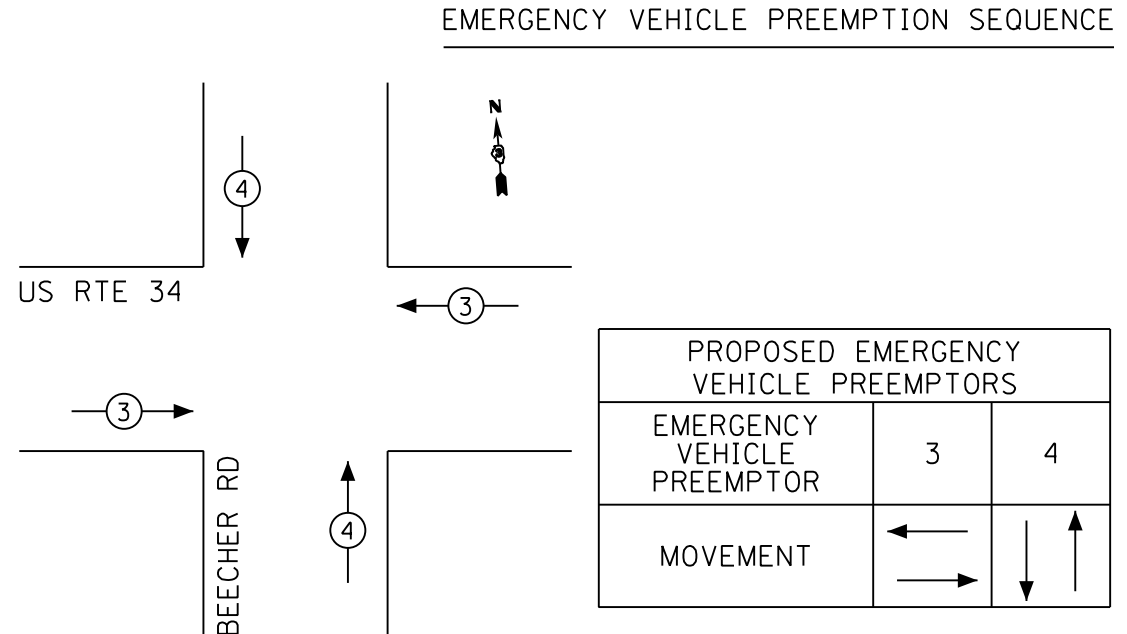
- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE PLAN



















NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

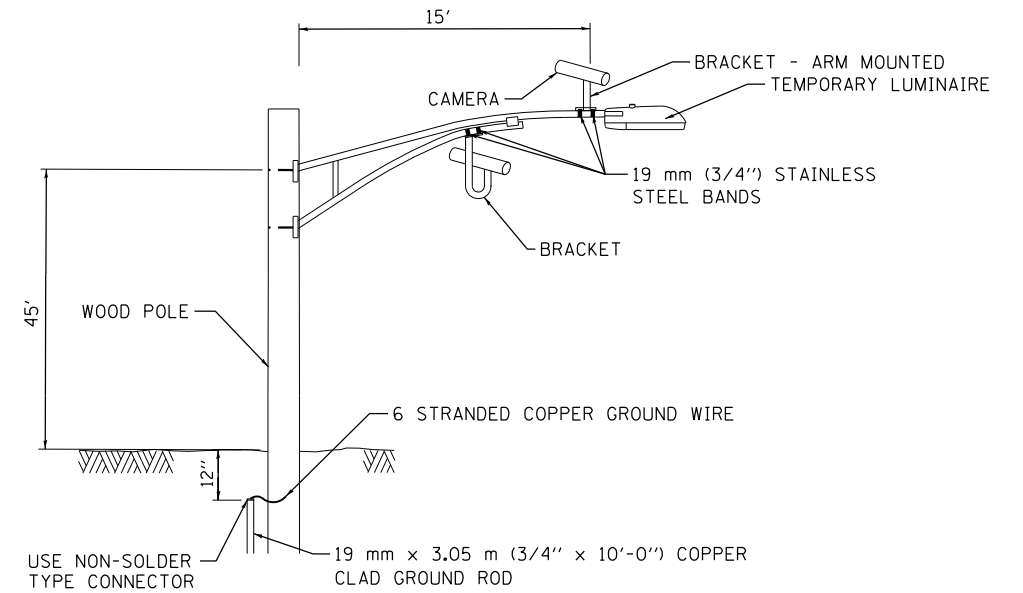


NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 250W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

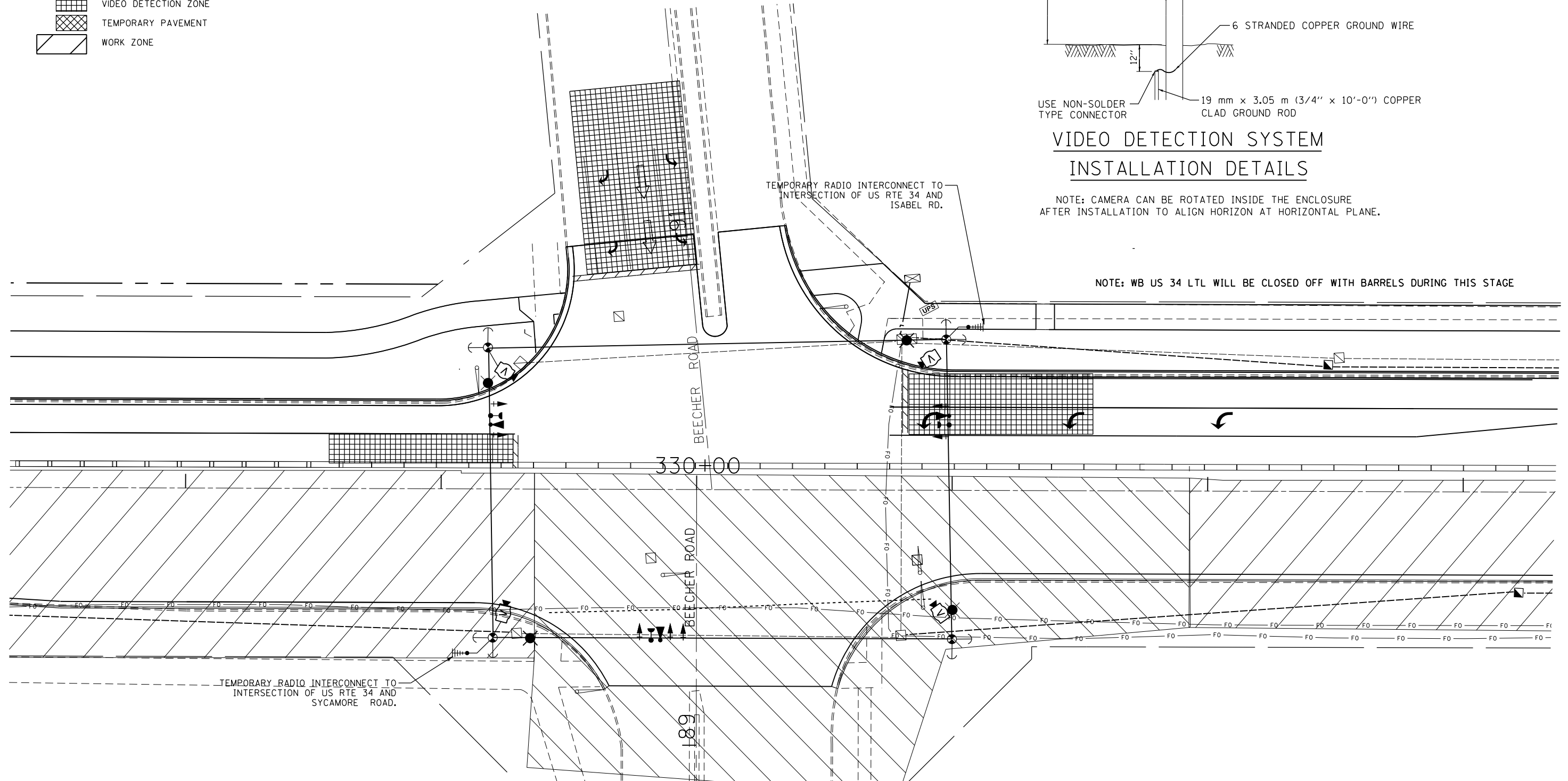
WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

NOTE: WB US 34 LTL WILL BE CLOSED OFF WITH BARRELS DURING THIS STAGE



•(13)R-2[(13 BR), (13 BR-1)BR]

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -
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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IIB - BEECHER ROAD AND US 34**

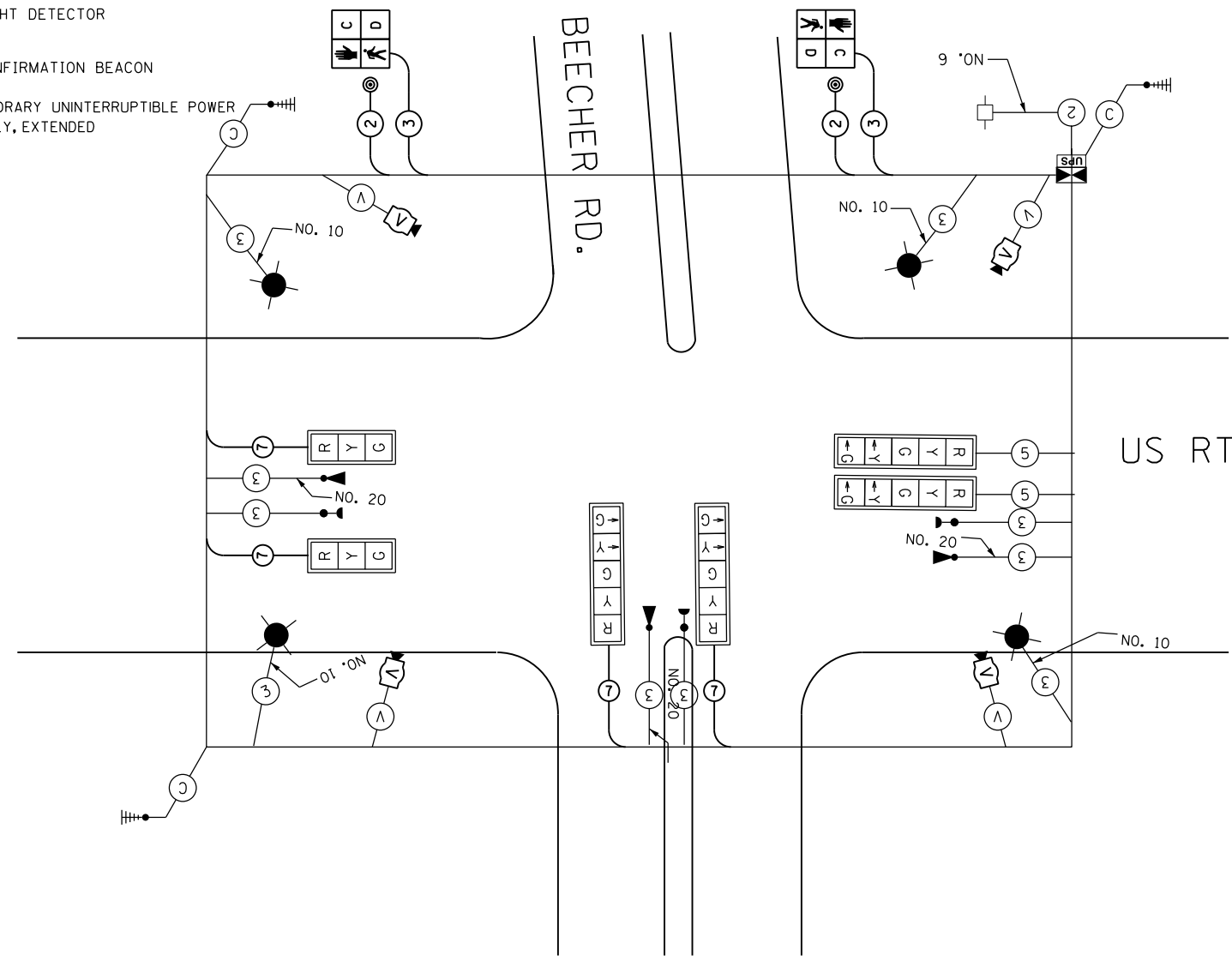
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	248
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

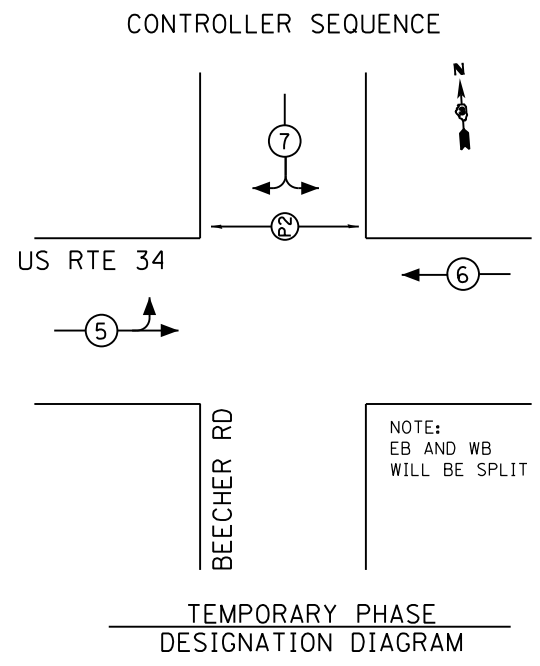
-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V)** VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S)** SERVICE CABLE
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L)** LIGHTING CABLE
600V (XLP-TYPE USE) 3 - 1/C NO.10

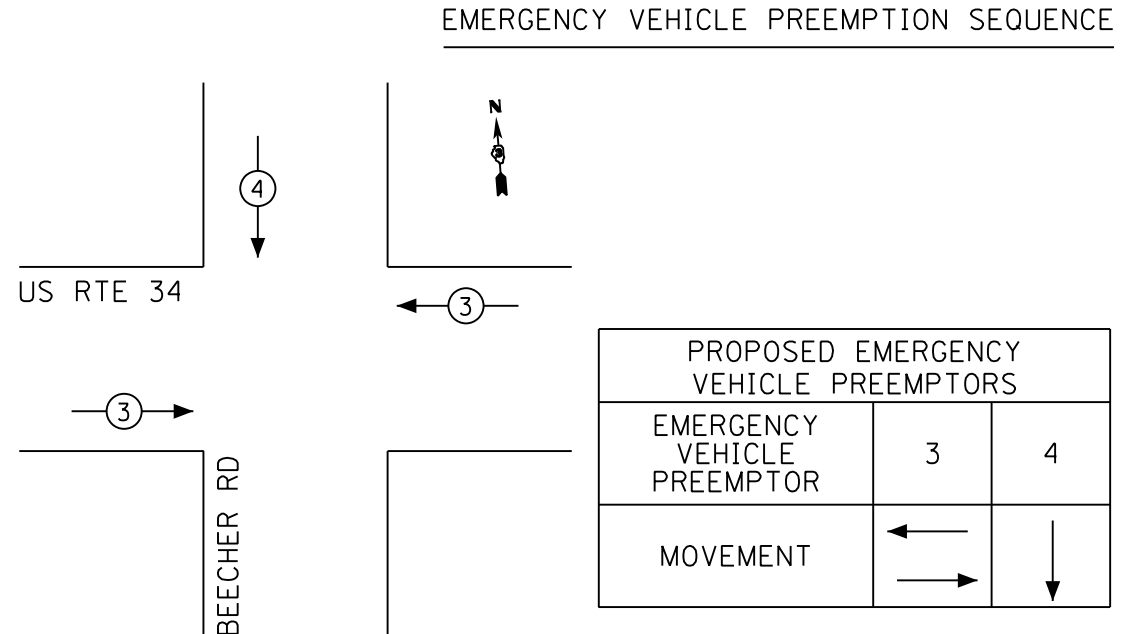


TEMPORARY CABLE PLAN

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN-STAGE IIB			
BEECHER ROAD AND US 34			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

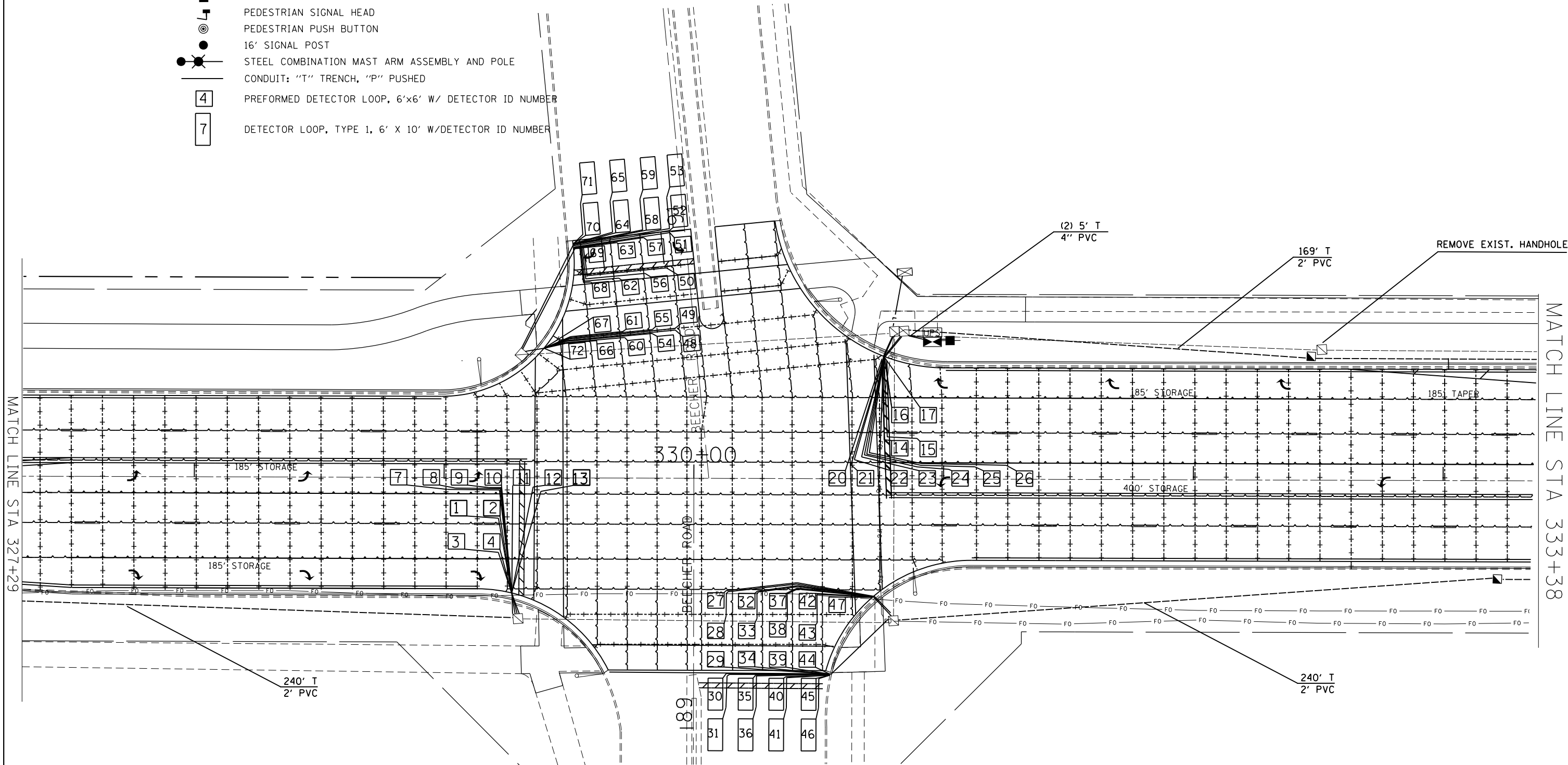
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591	.	KENDALL	533	249
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

•(13)R-2[(13 BR)C, (13 BR-1)BR]



TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- UNINTERRUPTIBLE POWER SUPPLY
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- 16' SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- CONDUIT: "T" TRENCH, "P" PUSHED
- PREFORMED DETECTOR LOOP, 6'x6' W/ DETECTOR ID NUMBER
- DETECTOR LOOP, TYPE 1, 6' X 10' W/DETECTOR ID NUMBER



•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**














**TRAFFIC SIGNAL INSTALLATION DIAGRAM
US 34 AND BEECHER ROAD**

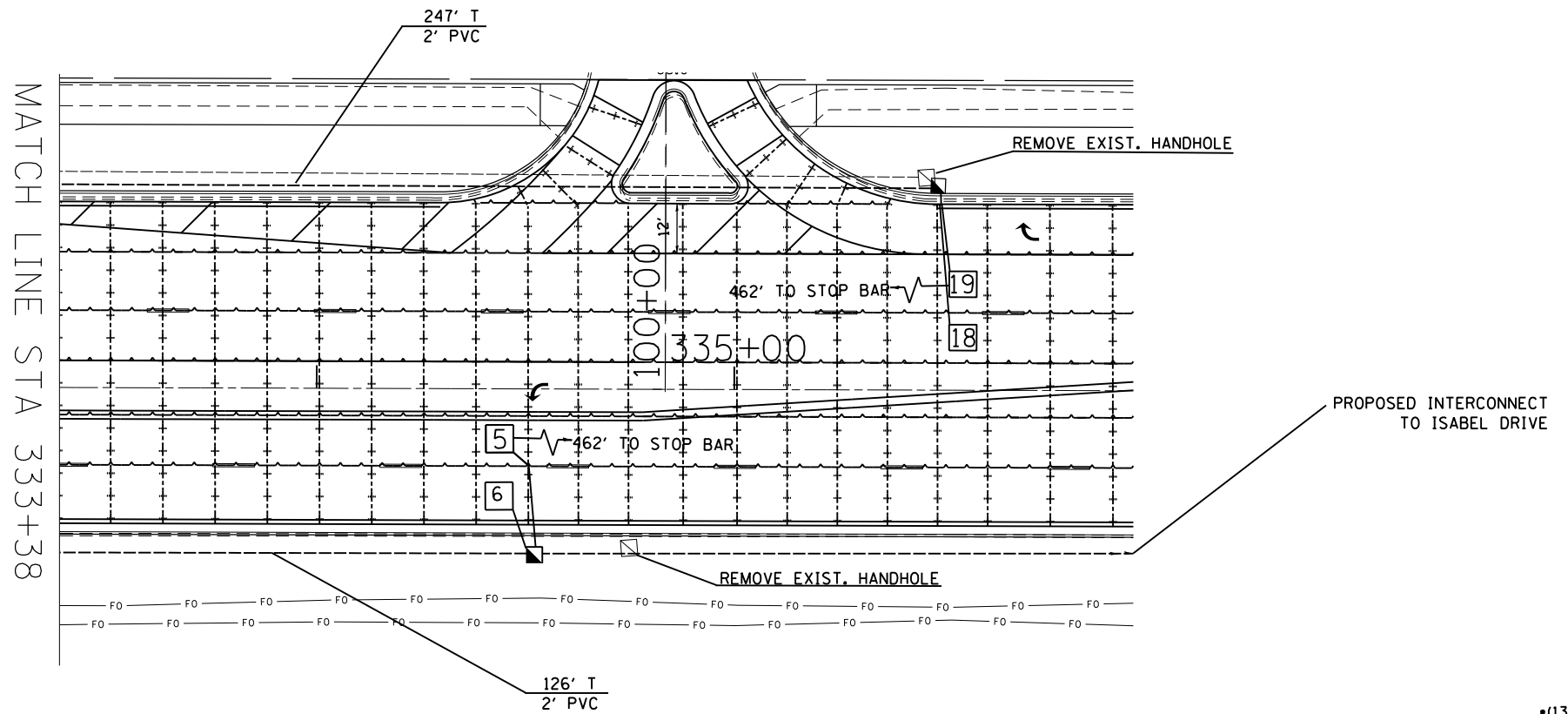
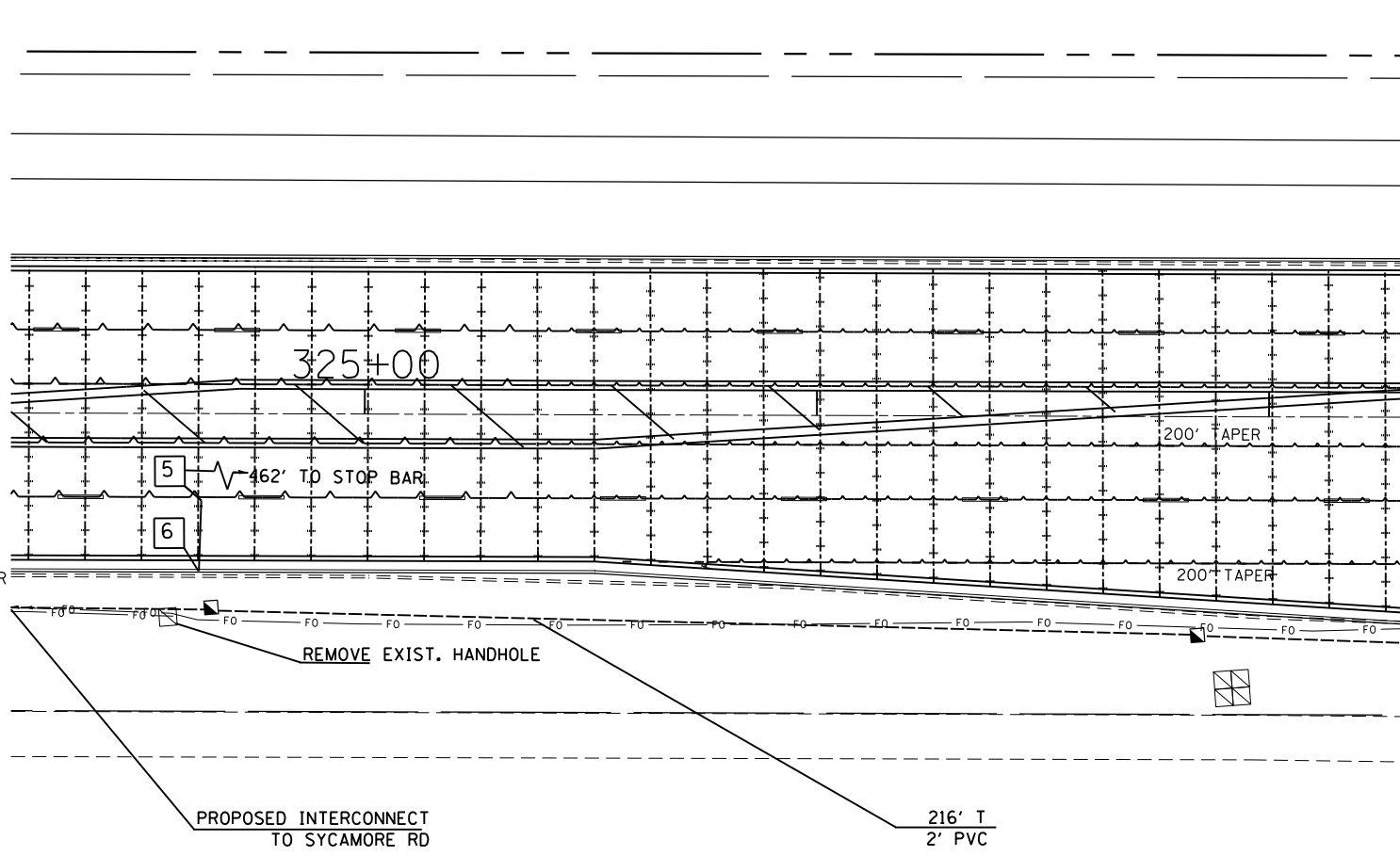
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	250
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

-  HANDHOLE
-  DOUBLE HANDHOLE
-  CONTROLLER AND CABINET
-  UNINTERRUPTIBLE POWER SUPPLY
-  SIGNAL HEAD WITH BACKPLATE
-  POWER SERVICE INSTALLATION
-  PEDESTRIAN SIGNAL HEAD
-  PEDESTRIAN PUSH BUTTON
-  16' SIGNAL POST
-  STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
-  CONDUIT: "T" TRENCH, "P" PUSHED
-  4 PREFORMED DETECTOR LOOP, 6'x6' W/ DETECTOR ID NUMBER
-  7 DETECTOR LOOP, TYPE 1, 6' X 10' W/DETECTOR ID NUMBER



FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP03507-sht-Signals\Drawings\EP03507-sht-Signals\BeecherRd		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION DIAGRAM
US 34 AND BEECHER ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

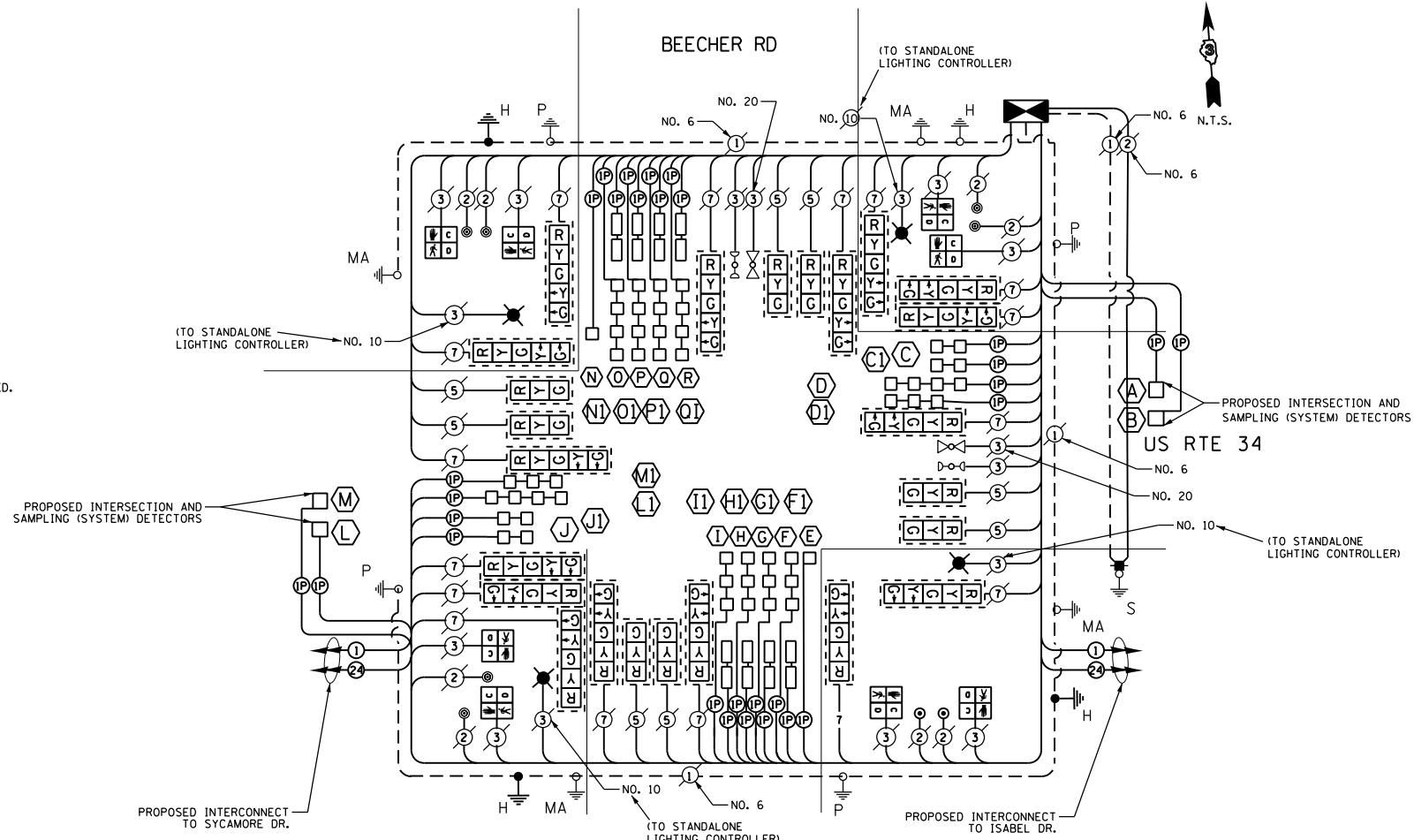
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	251
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

•(13)R-2[(13 BR)C, (13 BR-1)BR]

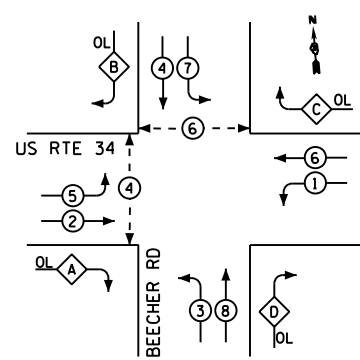
CABLE PLAN LEGEND

- EXISTING** **PROPOSED**
- 8" (200mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - TELEPHONE CONNECTION
 - VEHICLE DETECTOR, INDUCTION LOOP
 - MAGNETIC DETECTOR
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - PUSHBUTTON DETECTOR
 - DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
 - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
 - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SMI2F
 - PROP. LED RETROFIT
 - RAILROAD CONTROL CABINET
 - ILLUMINATED SIGN "NO LEFT TURN"
 - ILLUMINATED SIGN "NO RIGHT TURN"
 - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
 - GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
 - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - VIDEO VEHICLE SENSOR

CABLE PLAN



CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PROTECTED PHASE
A	= 3
B	= 5
C	= 7
D	= 1

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

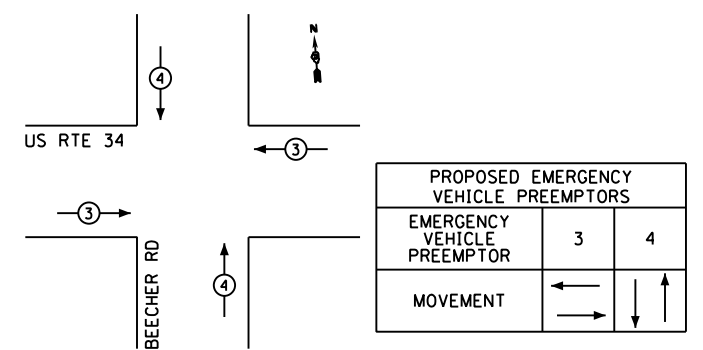
Loop System	Label	Number of Turns	Inductance (MH)	Frequency (Hertz)	J Pin Status
A	PHASE 6 WB FAR RL	6	389	30,913	ON
B	PHASE 6 WB FAR LL	6	389	30,913	ON
C	PHASE 6 WB STBR	4	554	25,905	OFF
D	PHASE 1 WB LT	4	814	21,373	ON
DI					
E	PHASE 8 NB STBR RT	5	260	37,840	OFF
F	PHASE 8 NB STBR RL	4	800	21,567	OFF
G	PHASE 8 NB STBR LL	4	800	21,567	ON
H	PHASE 3 NB STBR LT	4	800	21,567	ON
I	PHASE 2 EB STBR	4	548	26,051	OFF
J	PHASE 5 EB LT	4	808	21,455	ON
K	PHASE 2 EB FAR RL	6	380	31,286	ON
L	PHASE 2 EB FAR LL	6	380	31,286	ON
LI					
M	PHASE 4 SB STBR RL	4	837	21,088	OFF
MI					
N	PHASE 4 SB STBR LL	4	837	21,088	ON
O	PHASE 7 SB LT	4	837	21,088	ON
P					
O					
R					
NI					
OI					
PI					
OI					

Beecher RD	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	20
SIGN PANEL - TYPE 2	SQ FT	60
SERVICE INSTALLATION, TYPE C	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1342
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	10
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
DRILL EXISTING HANDHOLE	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCIVER, FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	6971
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	30
PREFORMED DETECTOR LOOP	FOOT	3592
DETECTOR LOOP, TYPE 1	FOOT	1022
CONCRETE FOUNDATION, TYPE A	FOOT	3
CONCRETE FOUNDATION, TYPE C	FOOT	3
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RE-OPTIMIZE TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4621
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
LED SIGNAL FACE RETROFIT, RED BALL	EACH	24
LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	24
LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	24
LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	16
LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	16
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	
SIGNAL (RED)	24	7	0.50	84.0
SIGNAL (YELLOW)	24	13	0.25	78.0
SIGNAL (GREEN)	24	7	0.25	42.0
ARROW	32	10	0.10	32.0
PED. SIGNAL	8	7	1.00	56.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	-	84	0.05	-
LUMINAIRE	4	250	0.50	500.0
FLASHER			0.50	
TOTAL =				802.0

ENERGY COSTS TO:
UNITED CITY OF YORKVILLE
800 GAME FARM ROAD
YORKVILLE, ILLINOIS 60560
ENERGY SUPPLY CONTACT: _____
PHONE: _____
COMPANY: COMED

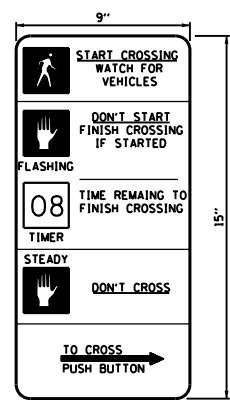
EMERGENCY VEHICLE PREEMPTION SEQUENCE



- NOTES:**
- THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE COBALT "ECONOLITE" CONTROLLERS EDI-MMU AND LS-200 SWITCH
 - ALL PEDESTRIAN PUSHBUTTONS SHALL BE "4EVR" BRAND.
 - A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR
 - THE UNINTERRUPTIBLE POWER SUPPLY SHALL BE TECH TO MATCH THE EXISTING POWER SUPPLY IN THE CITY OF YORKVILLE.
 - THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.

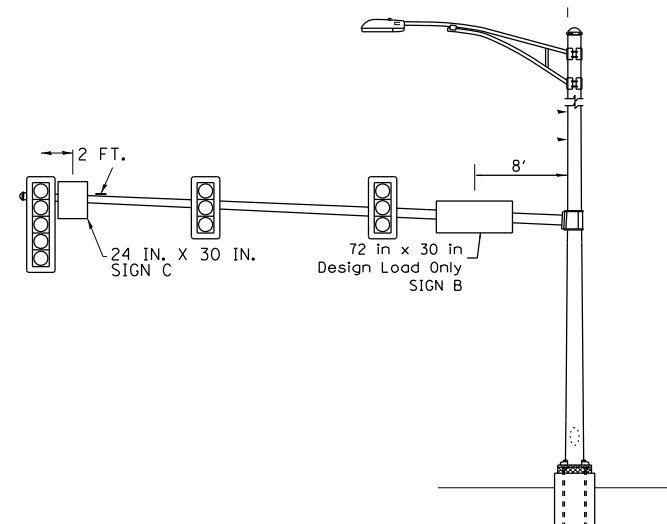
*(13)R-2(13 BR)C, (13 BR-1)BRJ

PEDESTRIAN CROSSING SIGN DETAIL



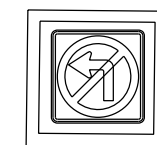
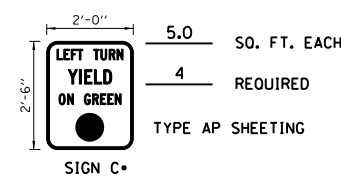
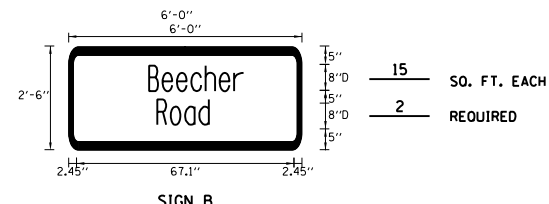
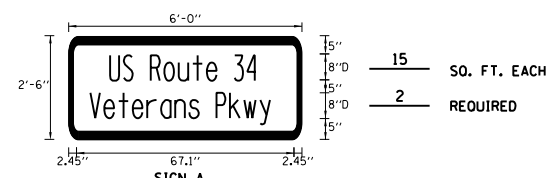
THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT EACH EXISTING PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.

8 REQUIRED
 DIMENSIONS: 9 IN. x 15 IN. (TYP.)
 LEGEND AND BORDER: NON-REFLECTORIZED BLACK
 BACKGROUND: NON-REFLECTORIZED WHITE
 ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.
 ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.
 MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.
 TYPE AP SHEETING



SIGN LOCATION ON EXISTING MAST ARM
 REPLACE ALL STREET SIGNS ON MAST ARMS
 PLACE SIGNS IN EXACT LOCATION AS EXISTING SIGNS
SIGN DETAIL FOR SIGNS A AND B

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.
 STREET NAME SIGNS:
 1. TYPE ZZ SHEETING REQUIRED
 2. WHITE/GREEN BACKGROUND
 3. STYLE (d) - 5/8 IN. BORDER
 4. 8 IN. SERIES D LETTERS
 5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



R3-1
30X30

THIS SIGN REQUIRED DURING STAGE II ONLY. NEEDED FOR EB US 34 TRAFFIC. PLACE ON TEMPORARY TRAFFIC SIGNAL INSTALLATION

6.25 SQ. FT. EACH
 1 REQUIRED
 AP SHEETING REQUIRED

*DURING STAGES I AND II, THE CONTRATOR IS TO USE ALL 4 OF THESE EXISTING SIGNS AND RELOCATE THEM ONTO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS ITEM SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
pw:\IL\084EBID\INTEG.11\inois.gov\PIWIDT\Documents\IDOT Offices\District 3\Projects\EP03507-shr-Signs\REVISED on Beecher Rd			
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGN DETAILS
 US 34 AND BEECHER ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	253
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

*(13)R-2[(13 BR)C, (13 BR-1)BR]

DETECTOR LOOP SCHEDULE, BEECHER RD

APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	DETECTOR LOOP, TYPE I	PREFORMED DETECTOR LOOP FOOT
EASTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	43	8	13'		67
	2	6	PREFORMED DETECTOR LOOP	6'x6'	31	8	13'		55
	3	6	PREFORMED DETECTOR LOOP	6'x6'	31	8	13'		55
	4	6	PREFORMED DETECTOR LOOP	6'x6'	18	8	13'		42
	5	6	PREFORMED DETECTOR LOOP	6'x6'	18	8	6.5'		42
	6	6	PREFORMED DETECTOR LOOP	6'x6'	3	8	6.5'		27
EASTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	79	8	13'		103
	8	6	PREFORMED DETECTOR LOOP	6'x6'	67	8	13'		91
	9	6	PREFORMED DETECTOR LOOP	6'x6'	56	8	13'		80
	10	6	PREFORMED DETECTOR LOOP	6'x6'	43	8	13'		67
	11	6	PREFORMED DETECTOR LOOP	6'x6'	43	8	13'		67
	12	6	PREFORMED DETECTOR LOOP	6'x6'	48	8	13'		72
	13	6	PREFORMED DETECTOR LOOP	6'x6'	56	8	13'		80
WESTBOUND THROUGH	14	6	PREFORMED DETECTOR LOOP	6'x6'	36	8	13'		60
	15	6	PREFORMED DETECTOR LOOP	6'x6'	46	8	13'		70
	16	6	PREFORMED DETECTOR LOOP	6'x6'	20	8	13'		44
	17	6	PREFORMED DETECTOR LOOP	6'x6'	25	8	13'		49
	18	6	PREFORMED DETECTOR LOOP	6'x6'	29	8	6.5'		53
	19	6	PREFORMED DETECTOR LOOP	6'x6'	16	8	6.5'		40
WESTBOUND LEFT	20	6	PREFORMED DETECTOR LOOP	6'x6'	48	8	13'		72
	21	6	PREFORMED DETECTOR LOOP	6'x6'	49	8	13'		73
	22	6	PREFORMED DETECTOR LOOP	6'x6'	58	8	13'		82
	23	6	PREFORMED DETECTOR LOOP	6'x6'	65	8	13'		89
	24	6	PREFORMED DETECTOR LOOP	6'x6'	76	8	13'		100
	25	6	PREFORMED DETECTOR LOOP	6'x6'	87	8	13'		111
	26	6	PREFORMED DETECTOR LOOP	6'x6'	99	8	13'		123
NORTHBOUND LEFT	27	6	PREFORMED DETECTOR LOOP	6'x6'	61	10	13'		85
	28	6	PREFORMED DETECTOR LOOP	6'x6'	72	10	13'		96
	29	6	PREFORMED DETECTOR LOOP	6'x6'	42	10	13'		66
	30	4	DETECTOR LOOP, TYPE I	6'x10'	44	35	13'	76	
	31	4	DETECTOR LOOP, TYPE I	6'x10'	59	35	13'	91	
NORTHBOUND THROUGH	32	6	PREFORMED DETECTOR LOOP	6'x6'	48	10	13'		72
	33	6	PREFORMED DETECTOR LOOP	6'x6'	59	10	13'		83
	34	6	PREFORMED DETECTOR LOOP	6'x6'	30	10	13'		54
	35	4	DETECTOR LOOP, TYPE I	6'x10'	31	35	13'	63	
	36	4	DETECTOR LOOP, TYPE I	6'x10'	47	35	13'	79	
	37	6	PREFORMED DETECTOR LOOP	6'x6'	36	10	13'		60
	38	6	PREFORMED DETECTOR LOOP	6'x6'	46	10	13'		70
	39	6	PREFORMED DETECTOR LOOP	6'x6'	18	10	13'		42
	40	4	DETECTOR LOOP, TYPE I	6'x10'	19	35	13'	51	
	41	4	DETECTOR LOOP, TYPE I	6'x10'	34	35	13'	66	
	NORTHBOUND RIGHT	42	6	PREFORMED DETECTOR LOOP	6'x6'	23	10	13'	
43		6	PREFORMED DETECTOR LOOP	6'x6'	35	10	13'		59
44		6	PREFORMED DETECTOR LOOP	6'x6'	6	10	13'		30
45		4	DETECTOR LOOP, TYPE I	6'x10'	6	35	13'	38	
46		4	DETECTOR LOOP, TYPE I	6'x10'	21	35	13'	53	
47		6	PREFORMED DETECTOR LOOP	6'x6'	11	10	13'		35
SOUTHBOUND LEFT	48	6	PREFORMED DETECTOR LOOP	6'x6'	57	42	13'		81
	49	6	PREFORMED DETECTOR LOOP	6'x6'	56	42	13'		80
	50	6	PREFORMED DETECTOR LOOP	6'x6'	52	42	13'		76
	51	6	PREFORMED DETECTOR LOOP	6'x6'	42	42	13'		66
	52	4	DETECTOR LOOP, TYPE I	6'x10'	41	42	13'	73	
	53	4	DETECTOR LOOP, TYPE I	6'x10'	56	42	13'	88	
SOUTHBOUND THROUGH	54	6	PREFORMED DETECTOR LOOP	6'x6'	46	42	13'		70
	55	6	PREFORMED DETECTOR LOOP	6'x6'	46	42	13'		70
	56	6	PREFORMED DETECTOR LOOP	6'x6'	42	42	13'		66
	57	6	PREFORMED DETECTOR LOOP	6'x6'	30	42	13'		54
	58	4	DETECTOR LOOP, TYPE I	6'x10'	30	42	13'	62	
	59	4	DETECTOR LOOP, TYPE I	6'x10'	45	42	13'	77	
	60	6	PREFORMED DETECTOR LOOP	6'x6'	34	42	13'		58
	61	6	PREFORMED DETECTOR LOOP	6'x6'	34	42	13'		58
	62	6	PREFORMED DETECTOR LOOP	6'x6'	31	42	13'		55
	63	6	PREFORMED DETECTOR LOOP	6'x6'	18	42	13'		42
	64	4	DETECTOR LOOP, TYPE I	6'x10'	18	42	13'	50	
	65	4	DETECTOR LOOP, TYPE I	6'x10'	32	42	13'	64	
	66	6	PREFORMED DETECTOR LOOP	6'x6'	23	42	13'		47
	67	6	PREFORMED DETECTOR LOOP	6'x6'	23	42	13'		47
68	6	PREFORMED DETECTOR LOOP	6'x6'	20	42	13'		44	
69	6	PREFORMED DETECTOR LOOP	6'x6'	6	42	13'		30	
70	4	DETECTOR LOOP, TYPE I	6'x10'	6	42	13'	38		
71	4	DETECTOR LOOP, TYPE I	6'x10'	21	42	13'	53		
72	6	PREFORMED DETECTOR LOOP	6'x6'	11	42	13'		35	
GRAND TOTAL								1022	3592

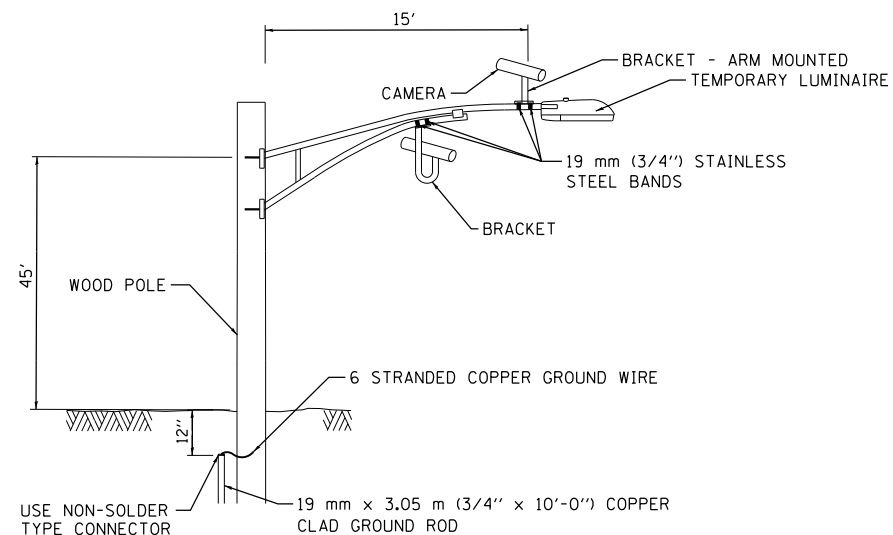
•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP SCHEDULE US 34 AND BEECHER ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-Signs\REVISED on Beecher Rd	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			591	*	KENDALL	533	254				
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993								
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

TEMPORARY TRAFFIC SIGNAL LEGEND

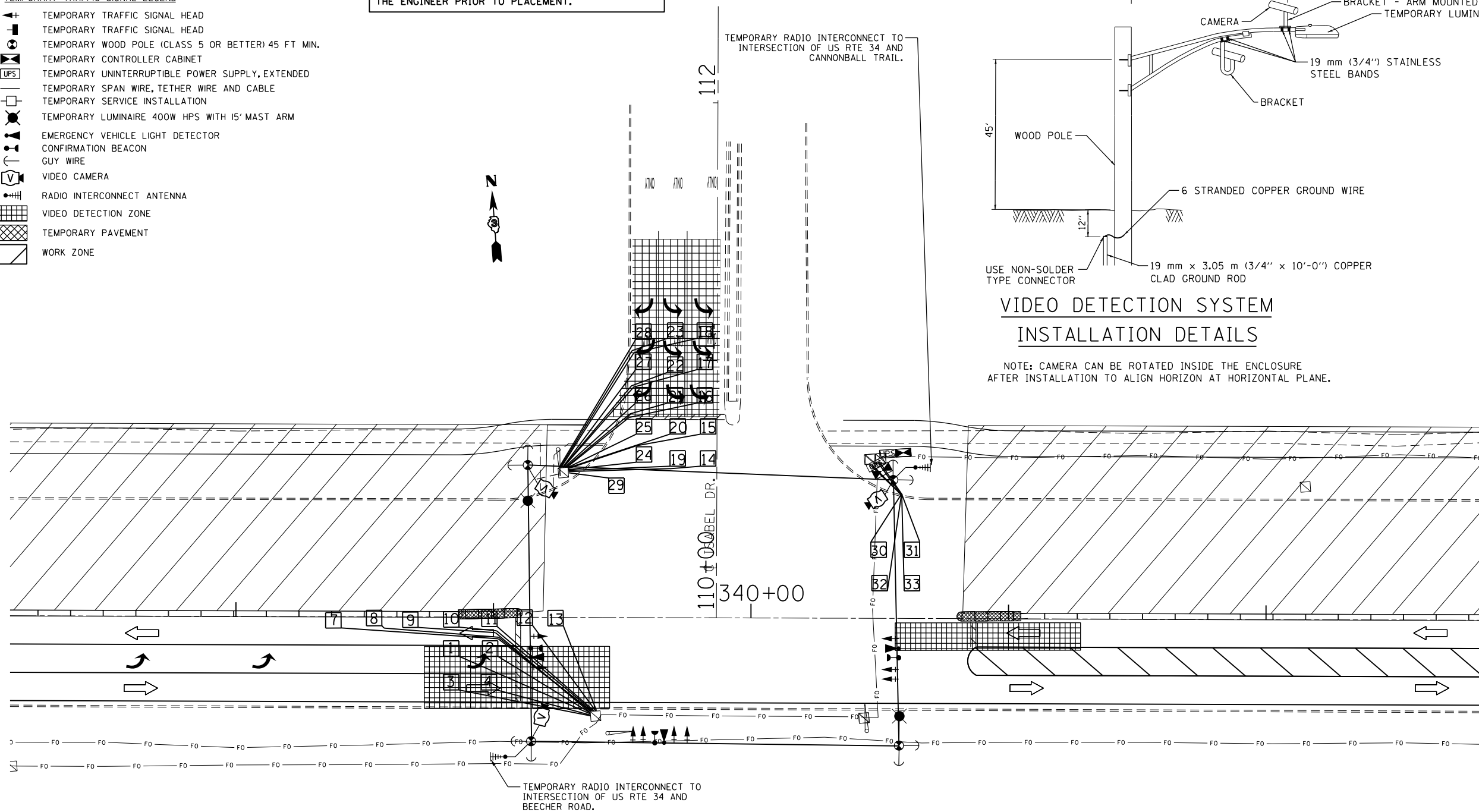
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -
p:\11084EBID\INTEG.illinois.gov\PIWID\Documents\IDOT Offices\District 3\Projects\EP03507\DATA\CADsheets\EP03507-sht-Signals\REVISED on Isabel			
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Default	PLOT DATE = 2/1/2017	DATE -	REVISED -












**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IA - ISABEL DRIVE AND US 34**

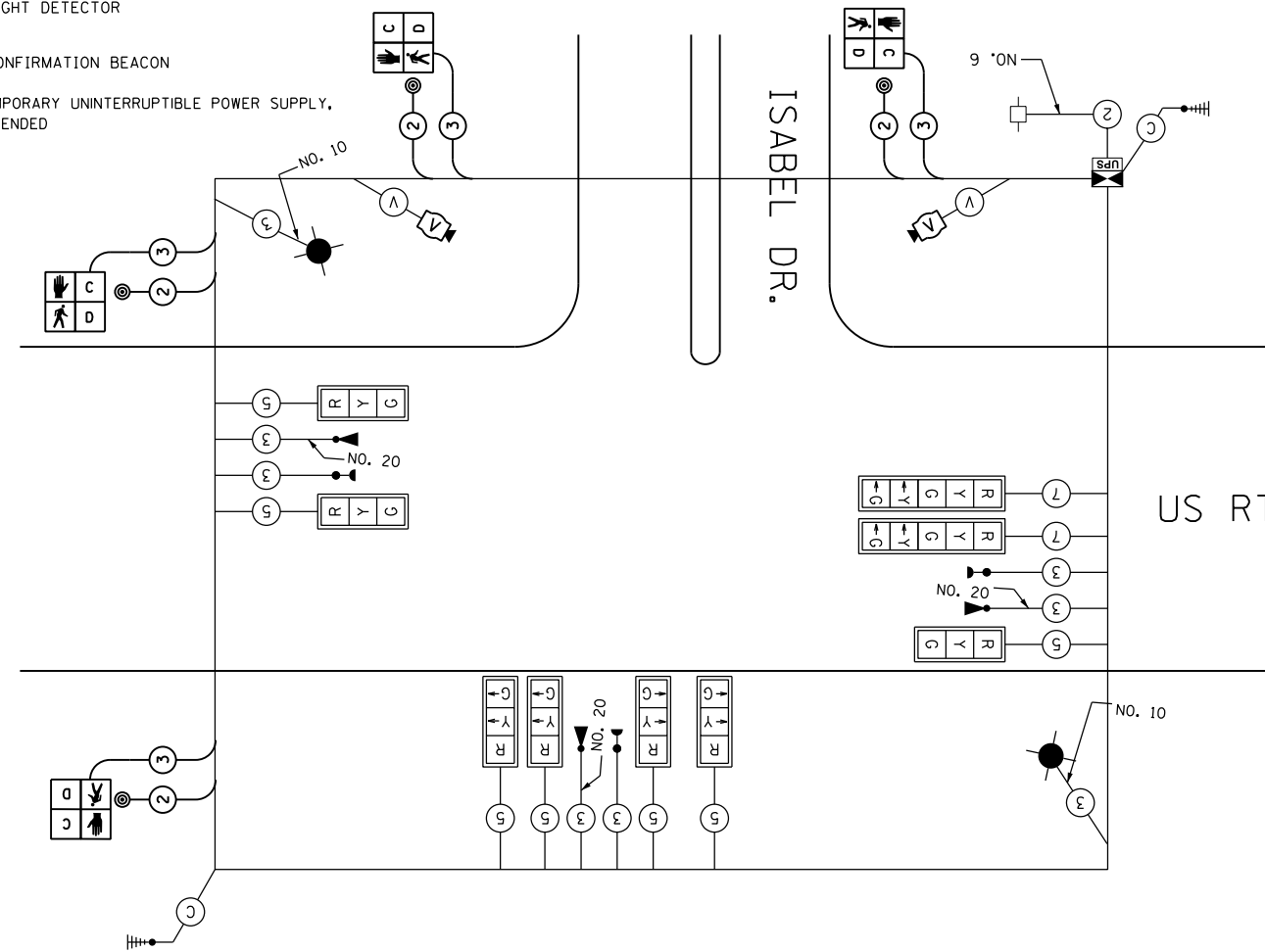
SCALE: SHEET OF SHEETS STA. TO STA.

(13)R-2((13 BR)C, (13 BR-1)BR)				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	255
			CONTRACT NO. 66993	
ILLINOIS FED. AID PROJECT				

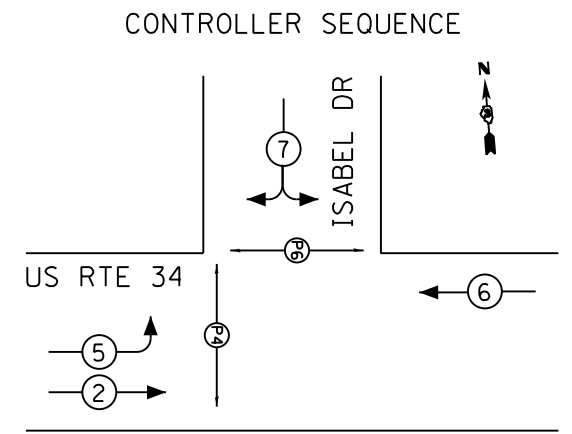
TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

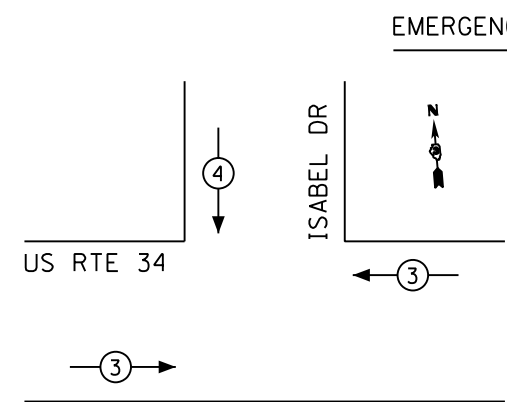
- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE PLAN*



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↑

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

ALL TEMPORARY TRAFFIC SIGNALS TO BE TURNED OFF DURING STAGE 1B CONSTRUCTION

FILE NAME =		USER NAME = woodyer.jp	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN-STAGE 1A ISABEL DRIVE AND US 34			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG.ILLINOIS.GOV\PWIDOT\Documents\IDOT Offices\District 3\Projects\EP03\DATA\CAD\Sheets\EP03507-sht-Signals\REVISED on Isabel		PLLOT SCALE = 44.3152' / in.	CHECKED -	REVISOR -					591	.	KENDALL	533	256
Default	PLLOT DATE = 2/1/2017	DATE -	REVISOR -	ILLINOIS FED. AID PROJECT									

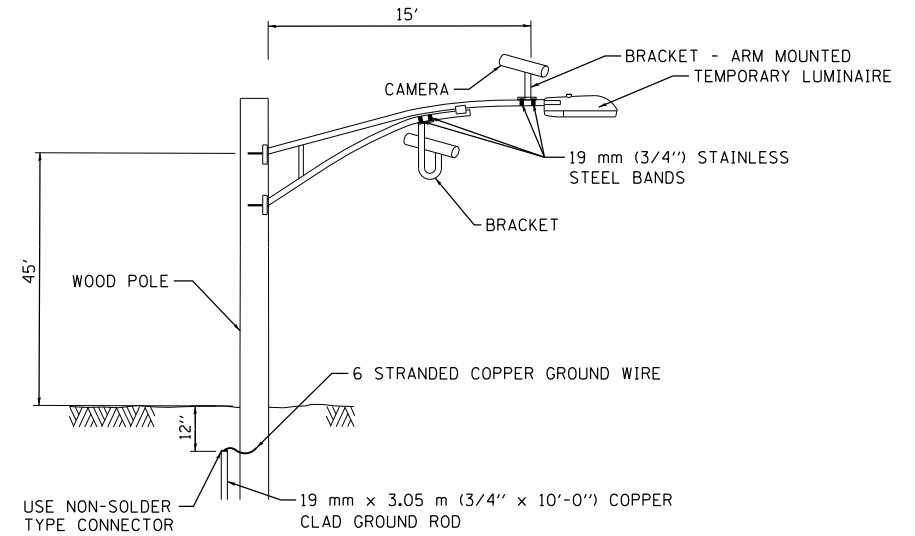
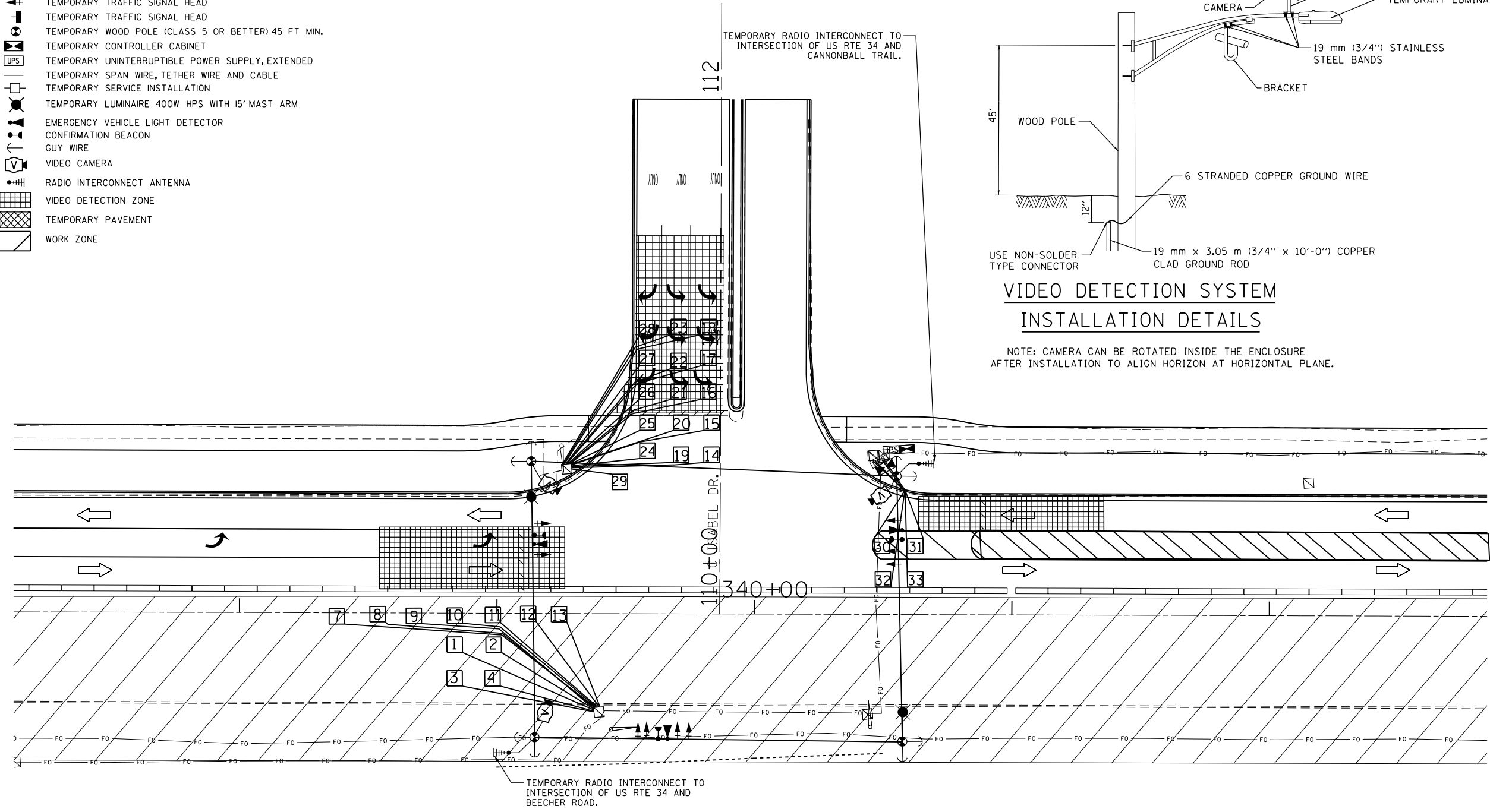
•(13)R-2[(13 BR)C, (13 BR-1)BR]

SCALE: SHEET OF SHEETS STA. TO STA.

CONTRACT NO. 66993

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

•(13)R-2(13 BR)C, (13 BR-1)BRJ

FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -
p:\11084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\EP03507\DATA\CAD\Sheets\EP03507-sht-Signals\11084EBID\ISABEL.DWG		PREPARED -	REVISOR -
	PLOT SCALE = 44.3152' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IIA & IIB - ISABEL DRIVE AND US 34**

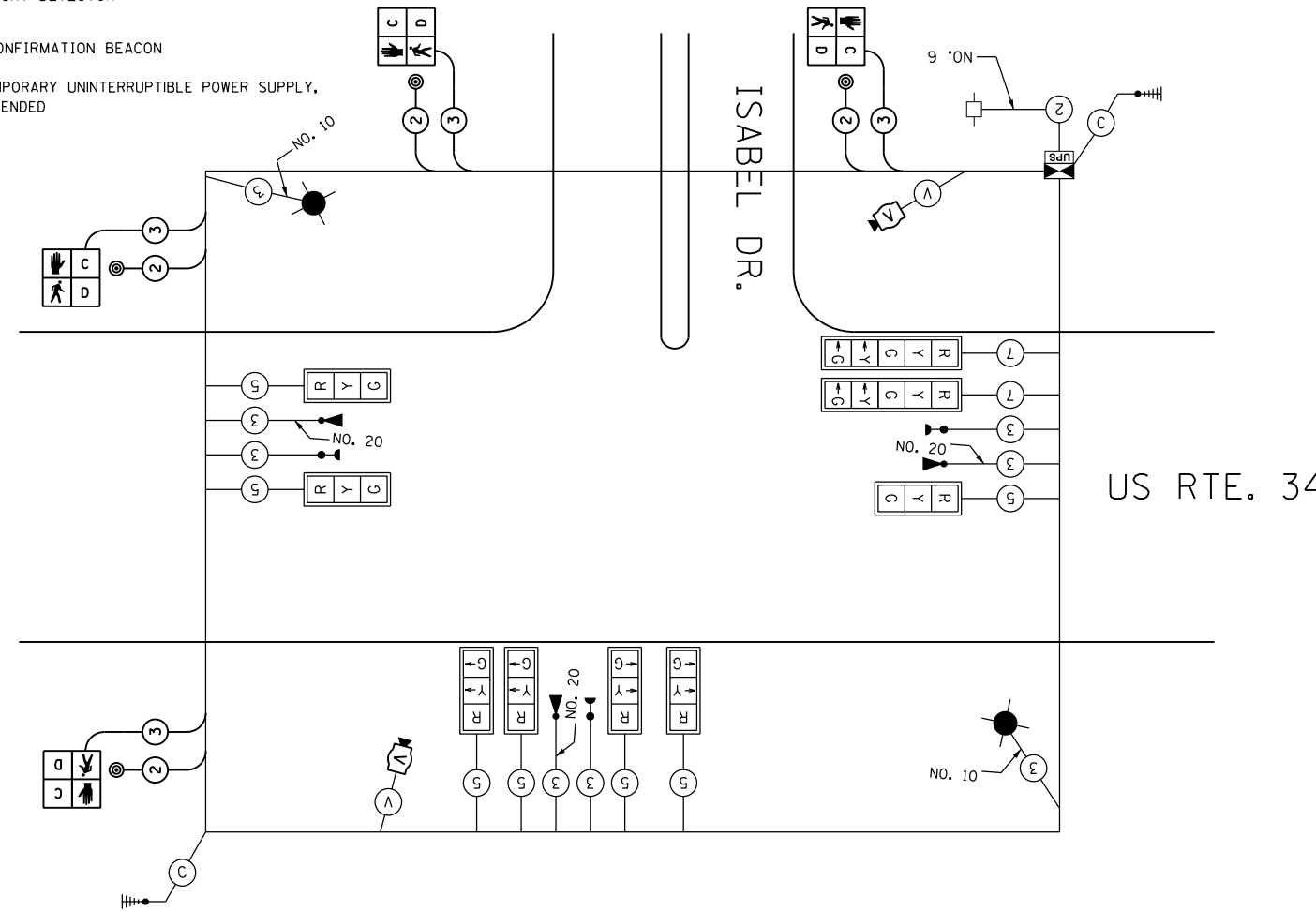
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	257
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

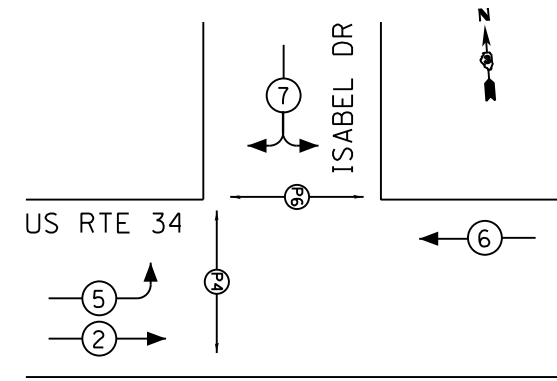
- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE PLAN*

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

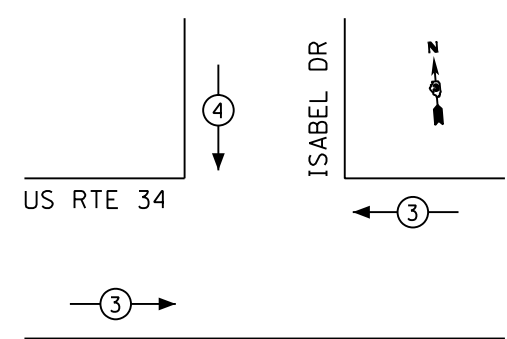
CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE















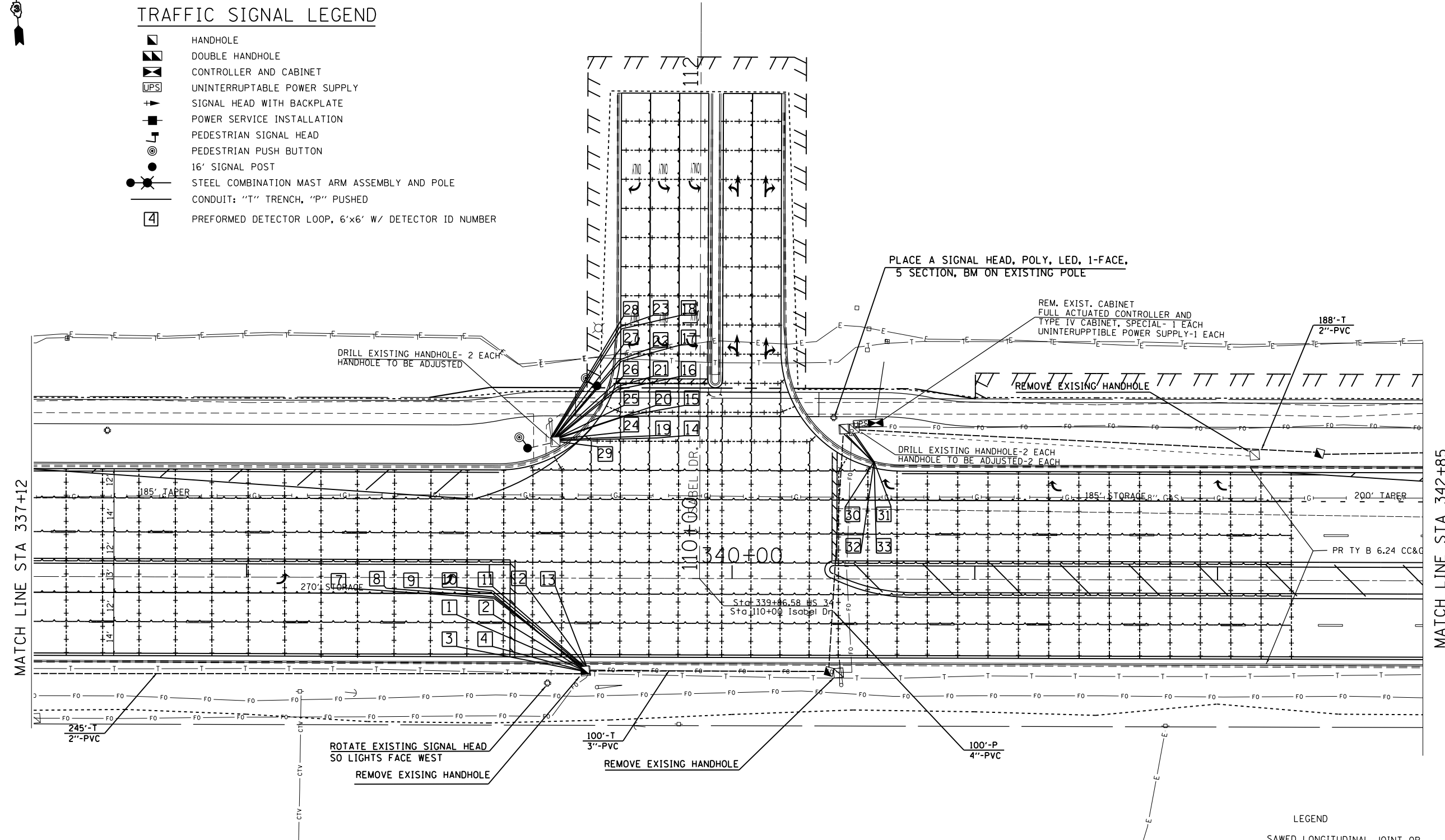
TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓

STAGE IIA AND IIB SHALL BE THE SAME
TEMPORARY CABLE PLAN



TRAFFIC SIGNAL LEGEND

-  HANDHOLE
-  DOUBLE HANDHOLE
-  CONTROLLER AND CABINET
-  UNINTERRUPTABLE POWER SUPPLY
-  SIGNAL HEAD WITH BACKPLATE
-  POWER SERVICE INSTALLATION
-  PEDESTRIAN SIGNAL HEAD
-  PEDESTRIAN PUSH BUTTON
-  16' SIGNAL POST
-  STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
-  CONDUIT: "T" TRENCH, "P" PUSHED
-  [4] PREFORMED DETECTOR LOOP, 6'x6' W/ DETECTOR ID NUMBER

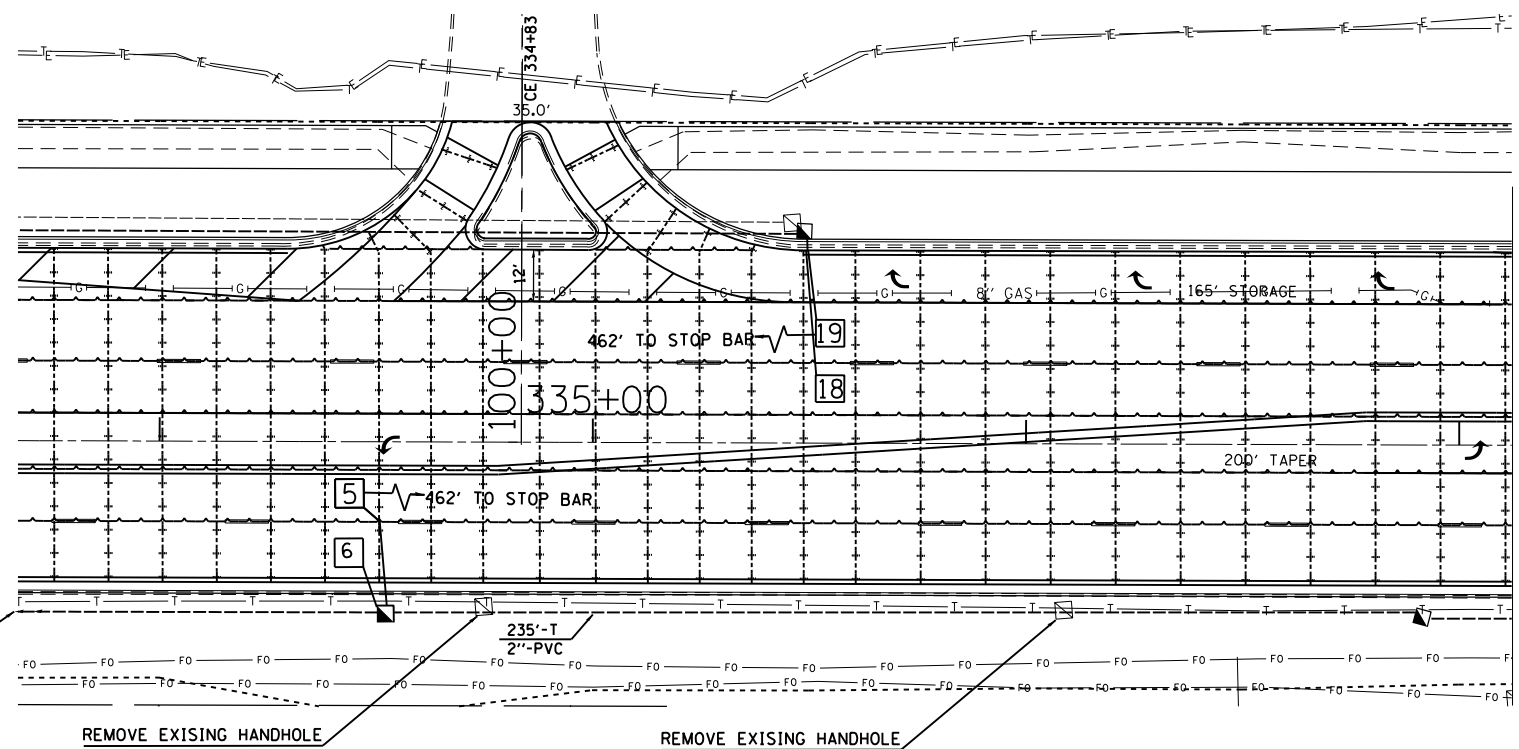


NOTE: RUN ALL NEW WIRE FROM THE NEW HAND HOLE BACK TO THE CONTROLLER FROM THE FOLLOWING TWO HANDHOLE LOCATIONS:
 STA 339+38 (38'RT)
 STA 340+41(38'RT)

LEGEND
 SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 TRANSVERSE SAWED JOINT

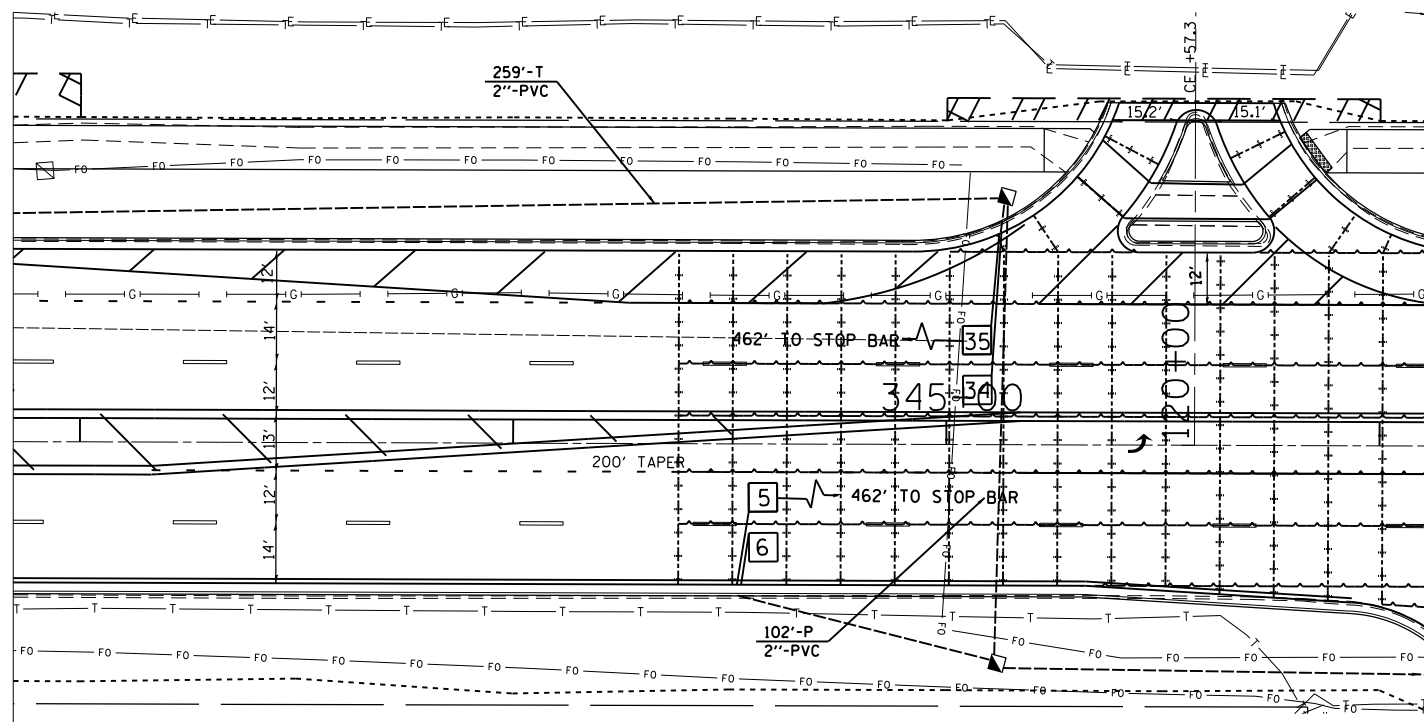
FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION DIAGRAM US 34 AND ISABEL DRIVE			F.A. RTE. 591	SECTION .	COUNTY KENDALL	TOTAL SHEETS 533	SHEET NO. 259
PLT SCALE = 44.3152' / in.	PLT DATE = 2/1/2017	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 66993	
Default		DATE -	REVISED -									

PROPOSED INTERCONNECT
TO BEECHER ROAD



MATCH LINE STA 337+12

MATCH LINE STA 342+85



PROP. INTERCONNECT
TO CANNONBALL TR.

•(13)R-2(13 BR)C, (13 BR-1)BR

FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -
p:\11084EBID\INTEG.illinois.gov\PWID01\Documents\DOT Offices\District 3\Projects\EP03507\DATA\CAD\Sheets\EP03507-sht-Signals\REVISED on Isabel		CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ISABEL DRIVE TRAFFIC SIGNALS
GENERAL NOTES

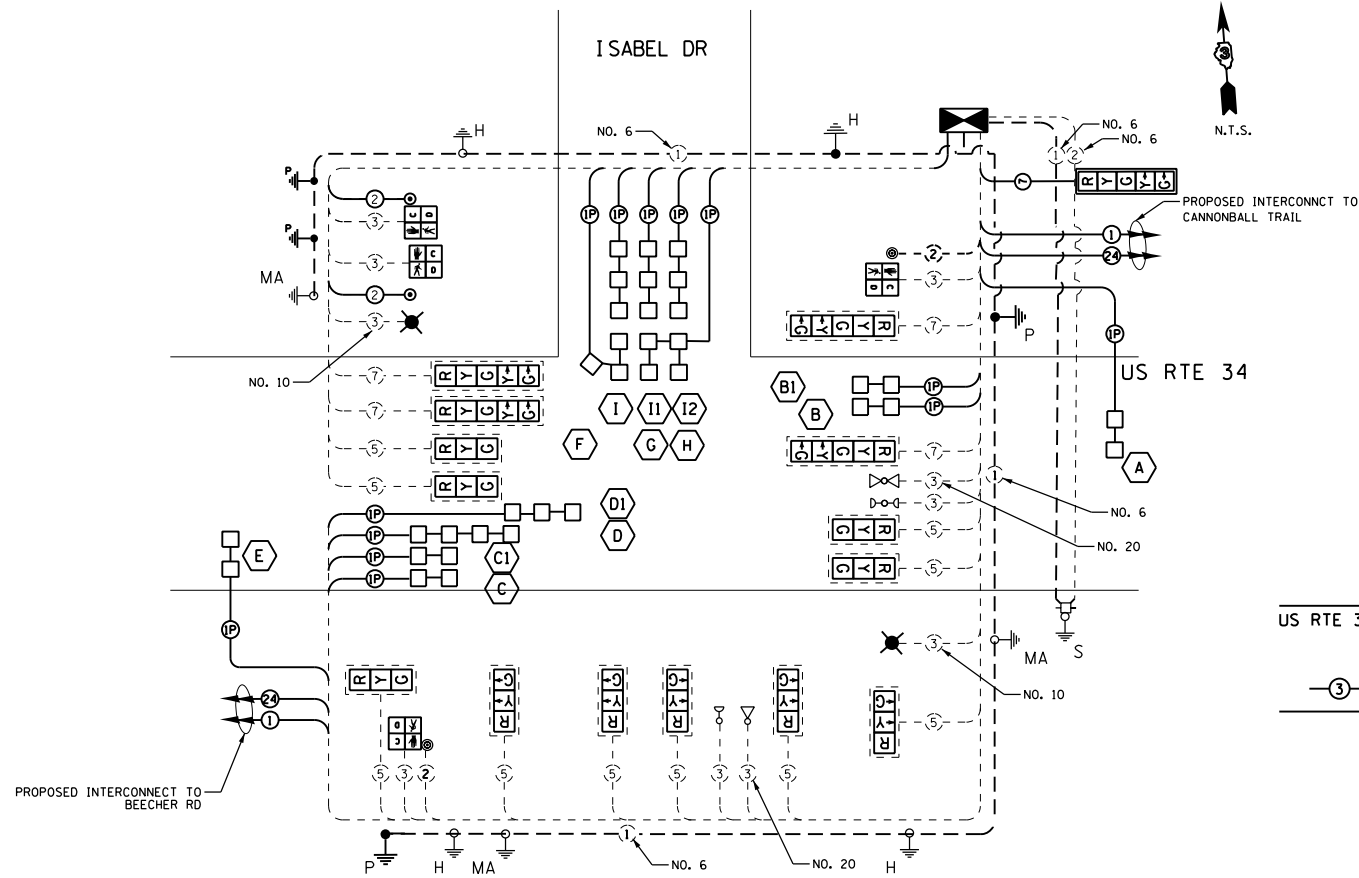
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	260
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

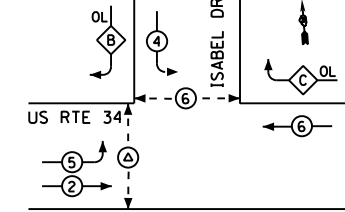
CABLE PLAN LEGEND

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) TRAFFIC SIGNAL SECTION
 - 12" (300mm) PEDESTRIAN SIGNAL SECTION
 - PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - TELEPHONE CONNECTION
 - VEHICLE DETECTOR, INDUCTION LOOP, 6'x6'
 - MAGNETIC DETECTOR
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - PUSHBUTTON DETECTOR
 - DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
 - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
 - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
 - SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
 - RAILROAD CONTROL CABINET
 - ILLUMINATED SIGN "NO LEFT TURN"
 - ILLUMINATED SIGN "NO RIGHT TURN"
 - GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HI), OR CONTROLLER (C)
 - GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
 - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - VIDEO VEHICLE SENSOR
 - RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

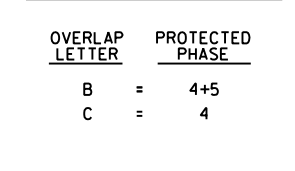
CABLE PLAN



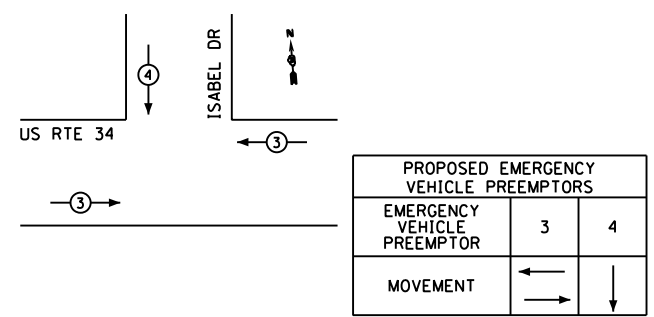
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



Loop System	Label	Number of Turns	Inductance (MH)	Frequency (Hertz)	J Pin Status
A	PHASE 6 WB FAR	5	365	31,922	DN
B	PHASE 6 WB STBR	4	626	24,385	OFF
BI					
C	PHASE 2 EB STBR	4	574	25,465	OFF
C1					
D	PHASE 5 EB LT	4	834	21,124	DN
D1					
E	PHASE 2 EB FAR	6	666	23,635	DN
F	PHASE 4 SB STBR RT	5	270	37,109	OFF
G	PHASE 4 SB STBR RL	4	810	21,428	OFF
H	PHASE 4 SB STBR ML	4	810	21,428	DN
I	PHASE 4 SB STBR LL	4	810	21,428	DN
I1					
I2					

LIST OF ITEMS TO BE REMOVED THAT WILL BE INCLUDED IN REMOVE EXIST. TRAFFIC SIGNAL EQUIPMENT:

2 PEDESTRIAN PUSH BUTTONS ON EXISTING MAST ARMS
EXISTING CONTROLLER CABINET WITH ALL ELECTRICAL COMPONENTS

DELIVER THE ABOVE ITEMS TO:

UNITED CITY OF YORKVILLE
800 GAME FARM ROAD
YORKVILLE, ILLINOIS 60560

ITEMS TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR:
4 PEDESTRIAN SIGNAL HEADS
3 STREET SIGNS AND 1 YIELD ON GREEN CIRCLE SIGN

- NOTES:**
1. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE COBALT "ECONOLITE" CONTROLLERS EDI-MMU AND LS-200 SWITCH
 2. ALL PEDESTRIAN PUSHBUTTONS SHALL BE "4EVR" BRAND.
 3. A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR
 4. THE UNINTERRUPTIBLE POWER SUPPLY SHALL BE TECH TO MATCH THE EXISTING POWER SUPPLY IN THE CITY OF YORKVILLE.
 5. THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	15		7	0.50	52.5
(YELLOW)	15	13	0.25	48.75	
(GREEN)	15	7	0.25	24.5	
ARROW	20	10	0.10	20	
PED. SIGNAL	8		7	1.00	28.0
CONTROLLER	1	100	1.00	100.0	
ILLUM. SIGN	-	84	0.05	-	
LUMINAIRE	3	250	0.50	375.0	
FLASHER			0.50		
ENERGY COSTS TO:					TOTAL = 648.75
UNITED CITY OF YORKVILLE 800 GAME FARM ROAD YORKVILLE, ILLINOIS 60560 ENERGY SUPPLY CONTACT: _____ PHONE: () _____ COMPANY: COMED					

ISABEL RD	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	50 FT	5
SIGN PANEL - TYPE 2	50 FT	45
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	624
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1222
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	101
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	100
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/2" NO. 10	FOOT	343
DRILL EXISTING HANDHOLE	EACH	4
HANDHOLE TO BE ADJUSTED	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER, FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED	FOOT	343
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	550
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	565
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1478
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	121
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	2777
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 IC	FOOT	951
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	14
PREFORMED DETECTOR LOOP	FOOT	1863
PEDESTRIAN PUSH-BUTTON	EACH	2
RE-OPTIMIZE TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CABLE FROM CONDUIT	FOOT	854
LED SIGNAL FACE RETROFIT, RED BALL	EACH	14
LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	9
LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	9
LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	9
LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	9
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1

DETECTOR LOOP SCHEDULE, ISABEL DRIVE								
APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	PREFORMED DETECTOR LOOP FOOT
EASTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	43	5	13'	67
	2	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	13'	57
	3	6	PREFORMED DETECTOR LOOP	6'x6'	22	5	13'	46
	4	6	PREFORMED DETECTOR LOOP	6'x6'	17	5	13'	40.5
	5	6	PREFORMED DETECTOR LOOP	6'x6'	18	5	6.5'	42
	6	6	PREFORMED DETECTOR LOOP	6'x6'	4	5	6.5'	28
EASTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	100	5	13'	124
	8	6	PREFORMED DETECTOR LOOP	6'x6'	85	5	13'	109
	9	6	PREFORMED DETECTOR LOOP	6'x6'	71	5	13'	94.5
	10	6	PREFORMED DETECTOR LOOP	6'x6'	57	5	13'	80.5
	11	6	PREFORMED DETECTOR LOOP	6'x6'	44	5	13'	68
	12	6	PREFORMED DETECTOR LOOP	6'x6'	37	5	13'	61
	13	6	PREFORMED DETECTOR LOOP	6'x6'	31	5	13'	55
SOUTHBOUND LEFT	14	6	PREFORMED DETECTOR LOOP	6'x6'	44	25	13'	67.5
	15	6	PREFORMED DETECTOR LOOP	6'x6'	39	25	13'	63
	16	6	PREFORMED DETECTOR LOOP	6'x6'	30	25	13'	54
	17	6	PREFORMED DETECTOR LOOP	6'x6'	27	25	13'	50.5
	18	6	PREFORMED DETECTOR LOOP	6'x6'	26	25	13'	50
	19	6	PREFORMED DETECTOR LOOP	6'x6'	31	25	13'	55
	20	6	PREFORMED DETECTOR LOOP	6'x6'	28	25	13'	51.5
	21	6	PREFORMED DETECTOR LOOP	6'x6'	18	25	13'	41.5
	22	6	PREFORMED DETECTOR LOOP	6'x6'	15	25	13'	38.5
	23	6	PREFORMED DETECTOR LOOP	6'x6'	14	25	13'	38
SOUTHBOUND RIGHT	24	6	PREFORMED DETECTOR LOOP	6'x6'	17	25	13'	41
	25	6	PREFORMED DETECTOR LOOP	6'x6'	11	25	13'	35
	26	6	PREFORMED DETECTOR LOOP	6'x6'	4	25	13'	28
	27	6	PREFORMED DETECTOR LOOP	6'x6'	2	25	13'	26
	28	6	PREFORMED DETECTOR LOOP	6'x6'	2	25	13'	26
	29	6	PREFORMED DETECTOR LOOP	6'x6'	10	25	13'	34
WESTBOUND THROUGH	30	6	PREFORMED DETECTOR LOOP	6'x6'	17	5	13'	41
	31	6	PREFORMED DETECTOR LOOP	6'x6'	17	5	13'	41
	32	6	PREFORMED DETECTOR LOOP	6'x6'	30	5	13'	54
	33	6	PREFORMED DETECTOR LOOP	6'x6'	29	5	13'	53
	34	6	PREFORMED DETECTOR LOOP	6'x6'	33	5	6.5'	57
GRAND TOTAL							1863	

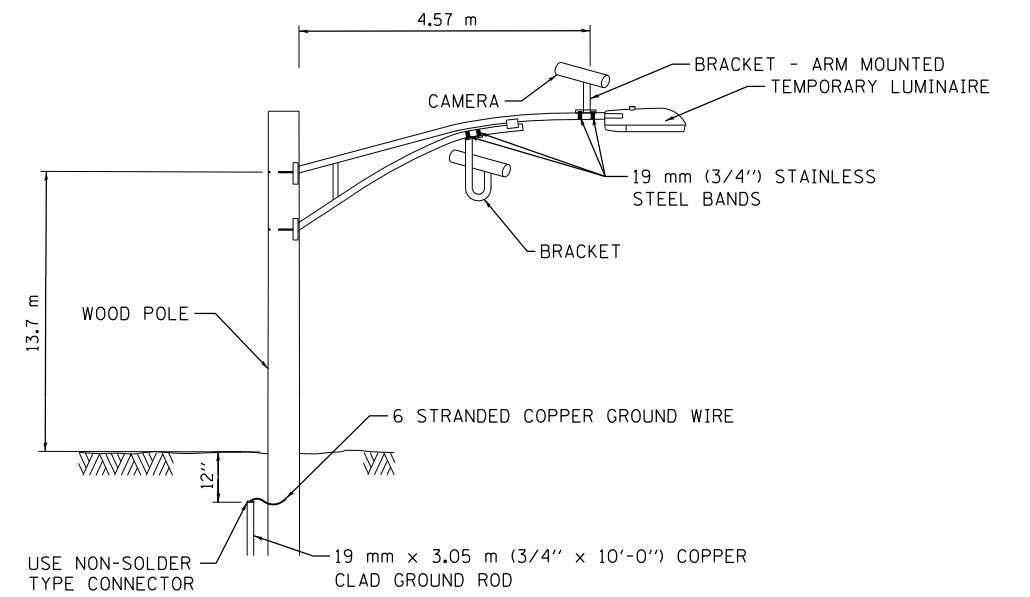
•(13)R-2(13 BR)C, (13 BR-1)BR

FILE NAME =	USER NAME = woodyer.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP SCHEDULE US 34 AND ISABEL DRIVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\1084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03507\EP03507-1\Drawings\EP03507-1\Isabel	PROJECT DATA \EAD\Drawings\EP03507-1\Isabel	CHECKED -	REVISED -			591	.	KENDALL	533	263	
PLOT SCALE = 44.3152' / in.	DATE -	REVISOR -	SCALE:			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993					

TEMPORARY TRAFFIC SIGNAL LEGEND

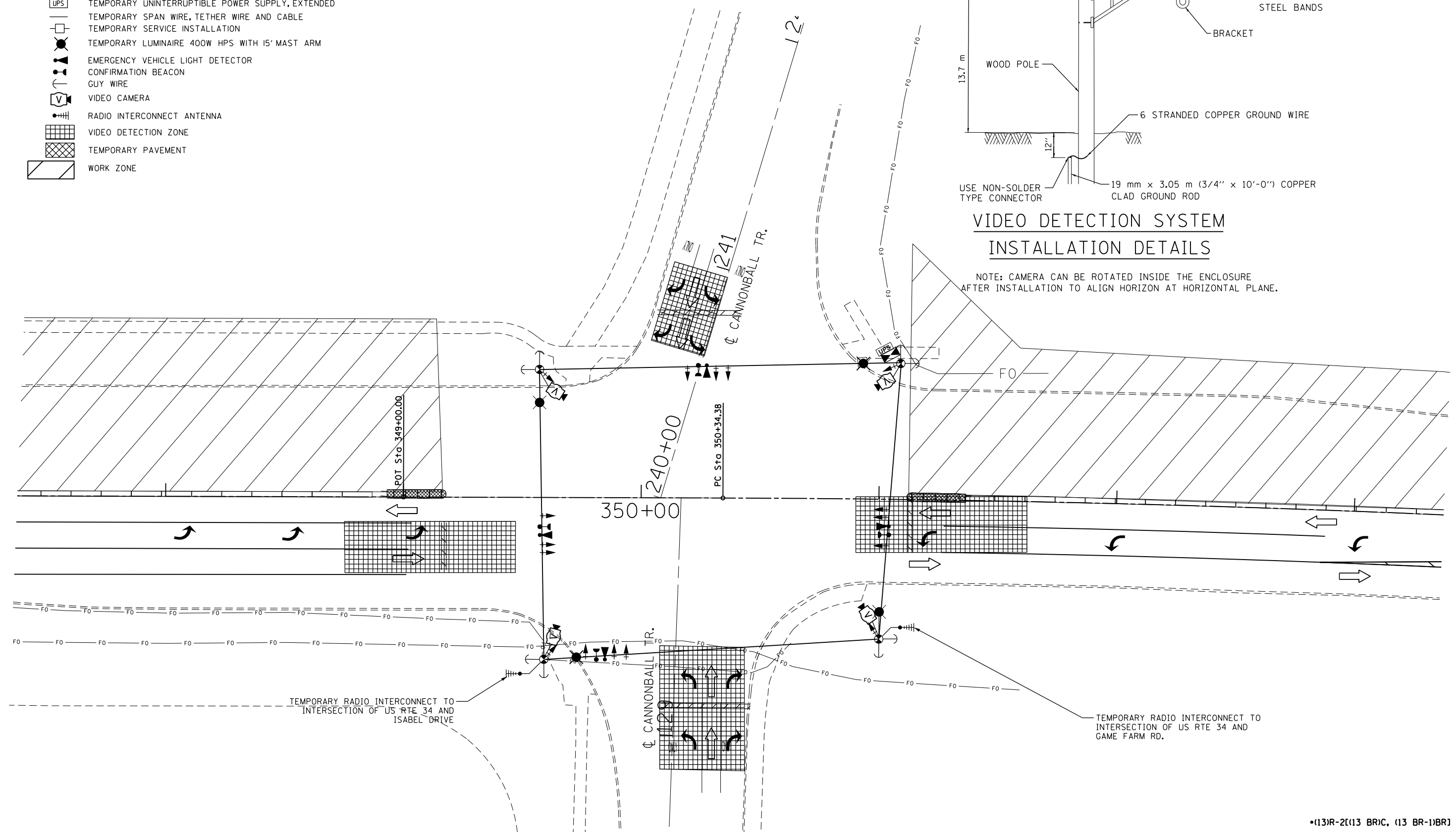
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IA - CANNONBALL TRAIL AND US 34**

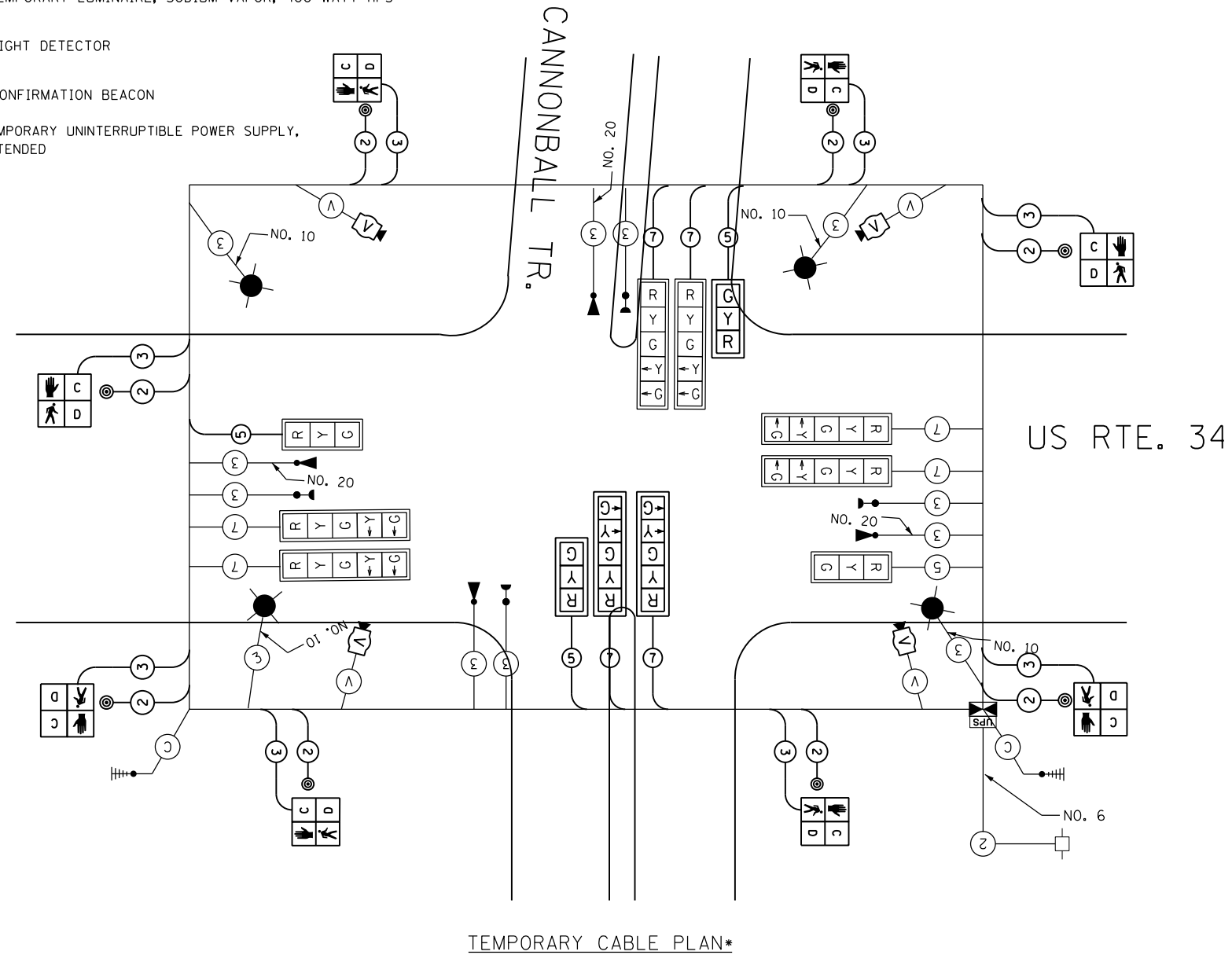
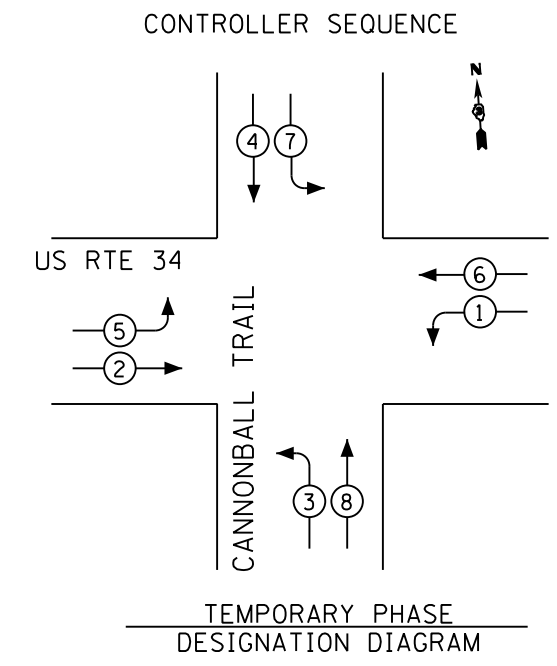
SCALE: SHEET OF SHEETS STA. TO STA.

•(13)R-2[(13 BR)C, (13 BR-1)BR]				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	264
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

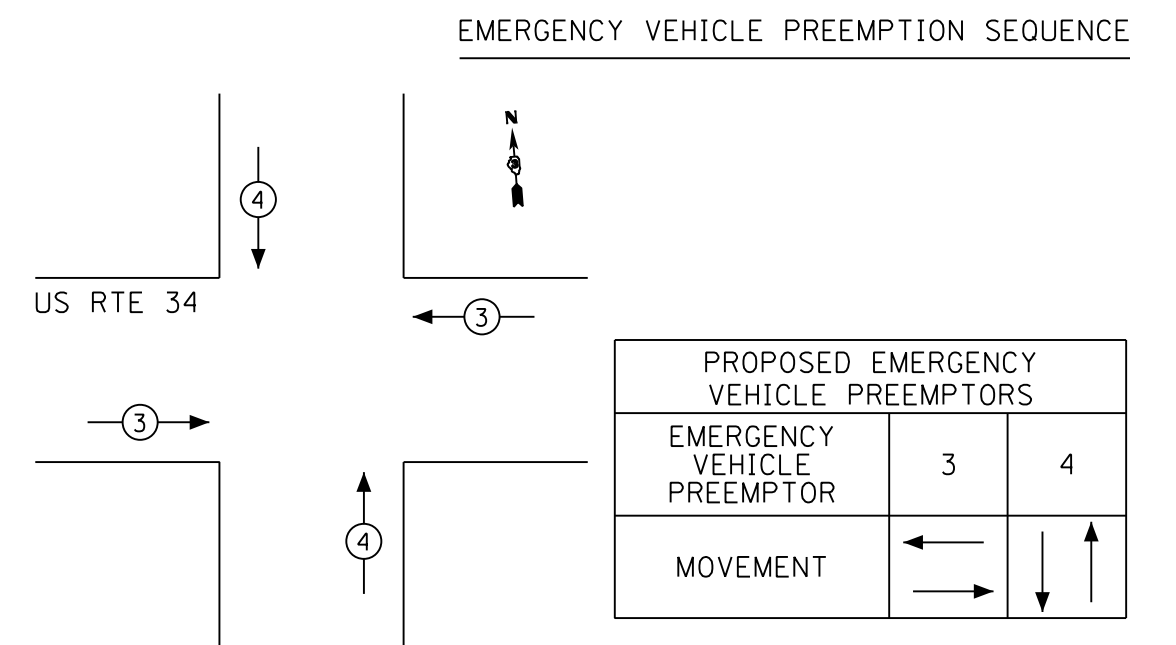
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE PLAN*

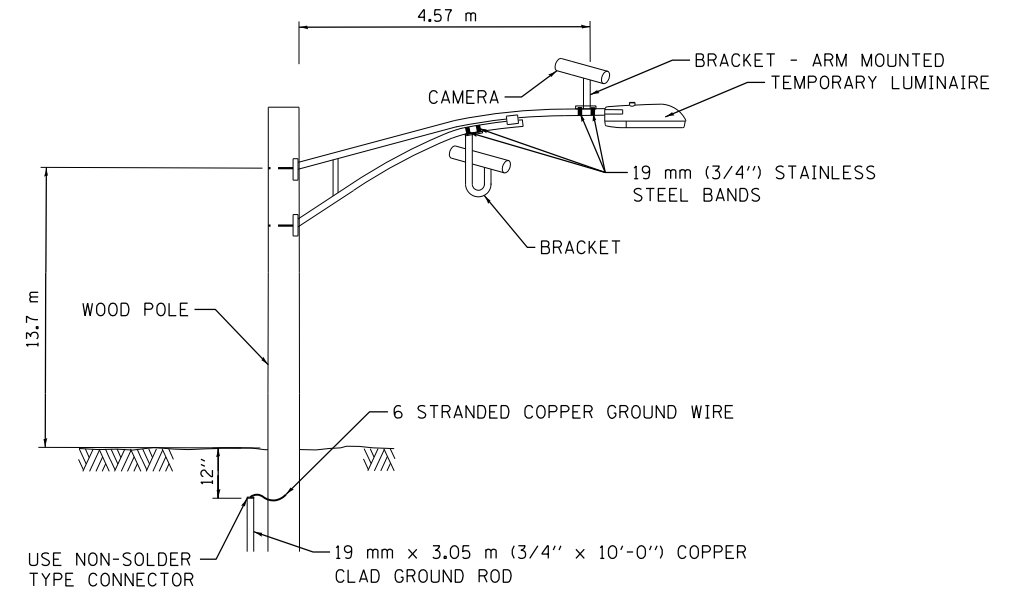


NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY TRAFFIC SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- GUY WIRE
- VIDEO CAMERA
- RADIO INTERCONNECT ANTENNA
- VIDEO DETECTION ZONE
- TEMPORARY PAVEMENT
- WORK ZONE

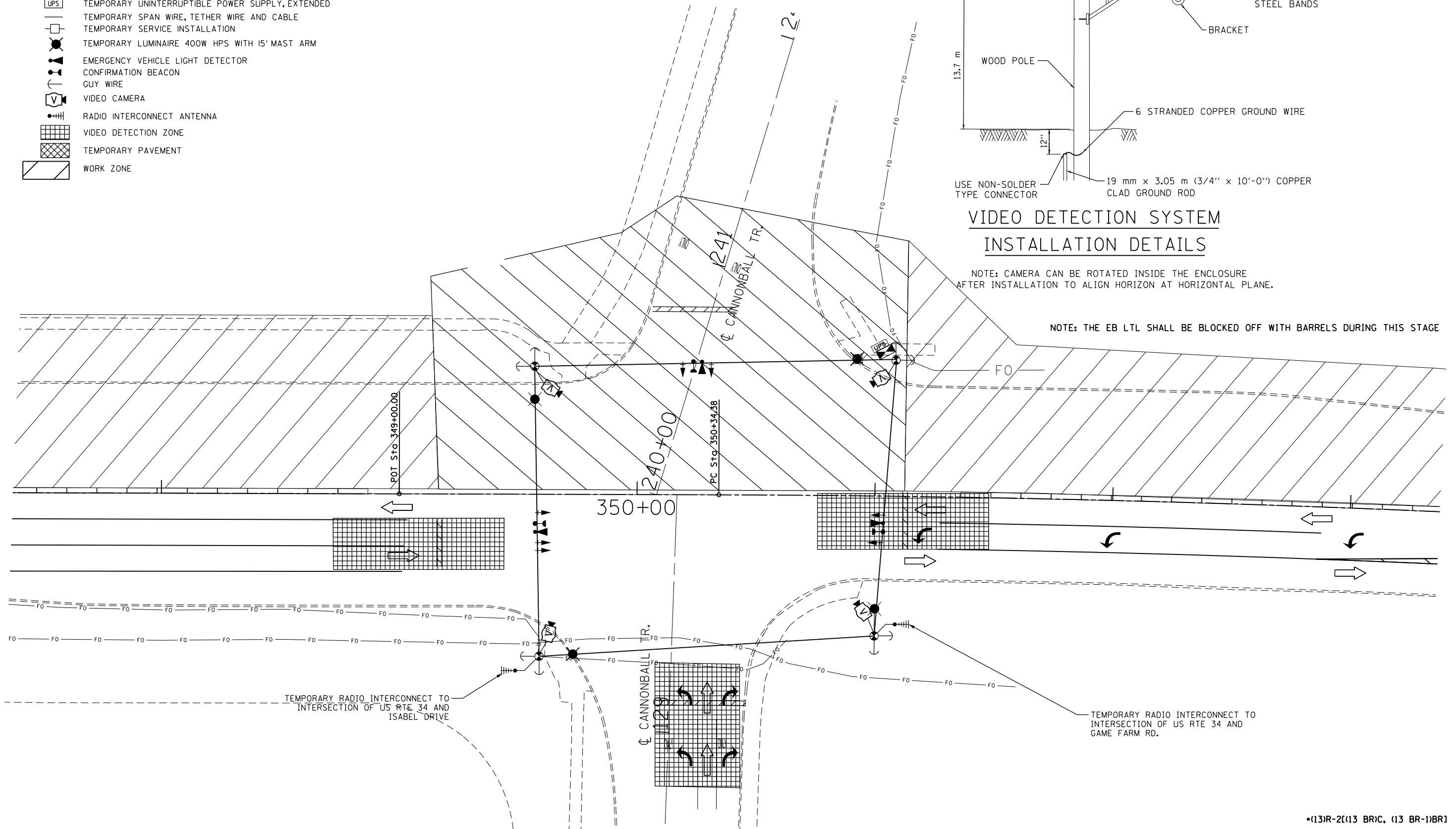
WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

NOTE: THE EB LTL SHALL BE BLOCKED OFF WITH BARRELS DURING THIS STAGE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IB - CANNONBALL TRAIL AND US 34**



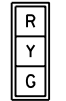








SCALE: SHEET OF SHEETS STA. TO STA.

•(13)R-2[(13 BRIC, (13 BR-1)BR]

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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

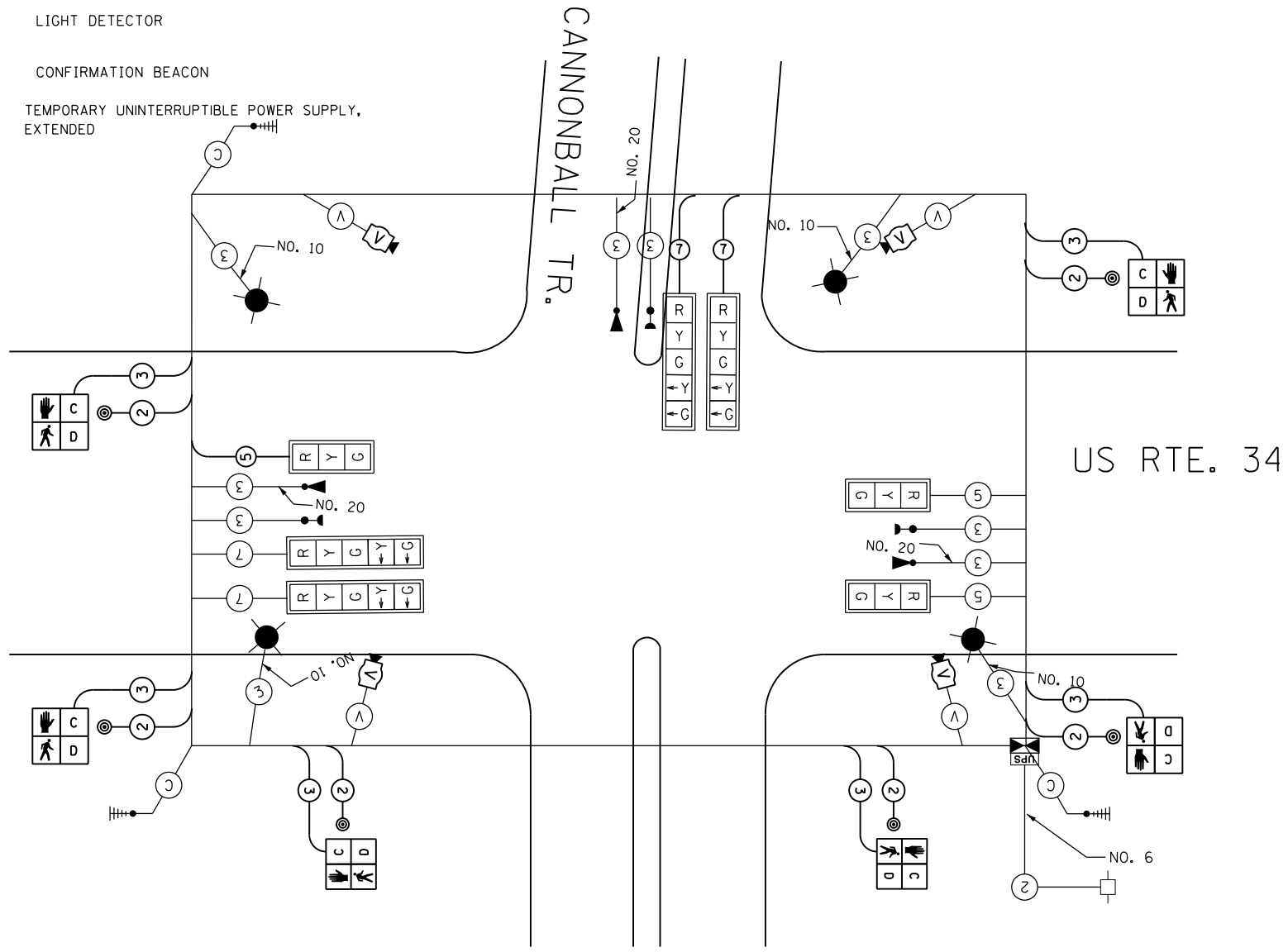
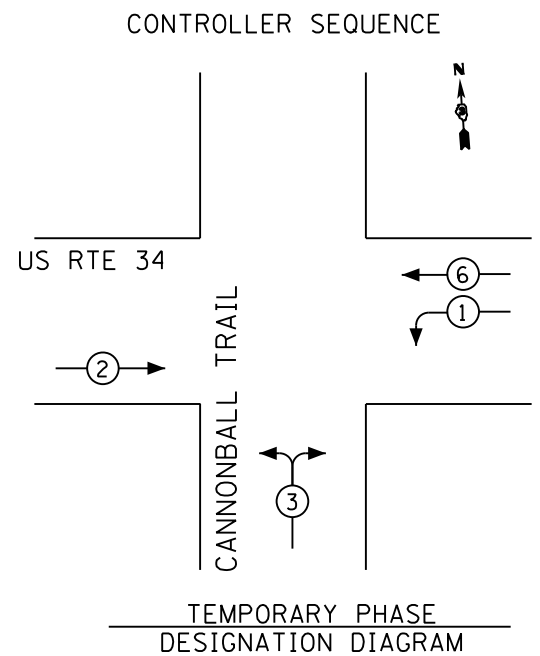
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	266
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

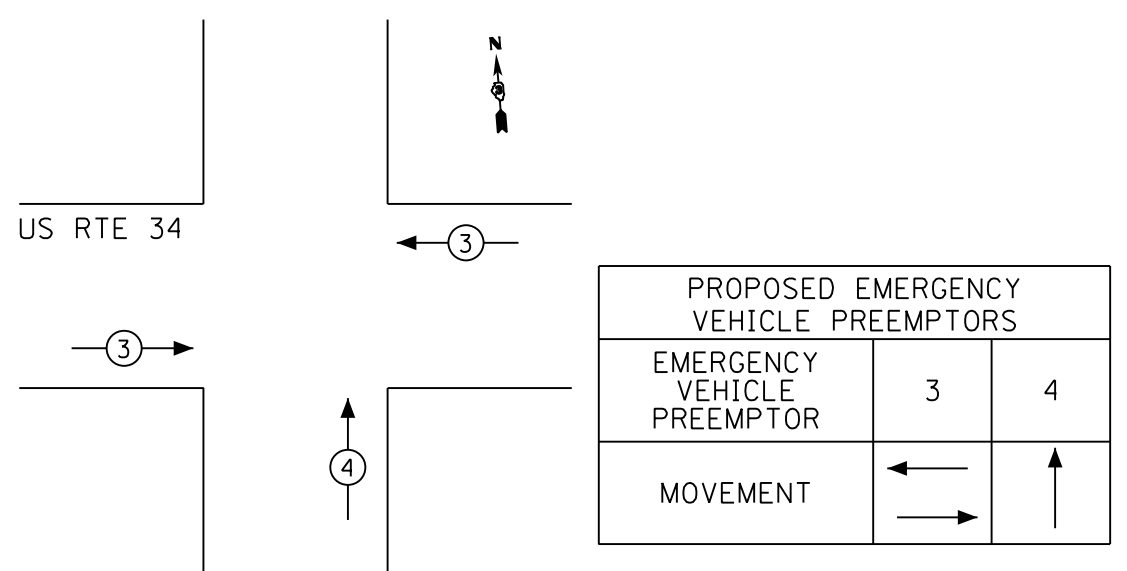
-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



















EMERGENCY VEHICLE PREEMPTION SEQUENCE

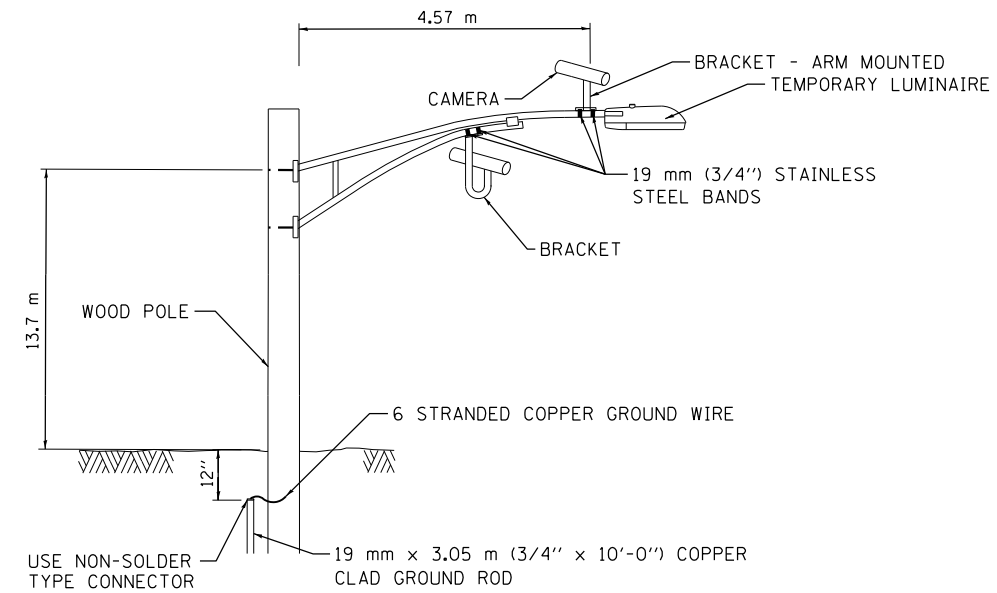


NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

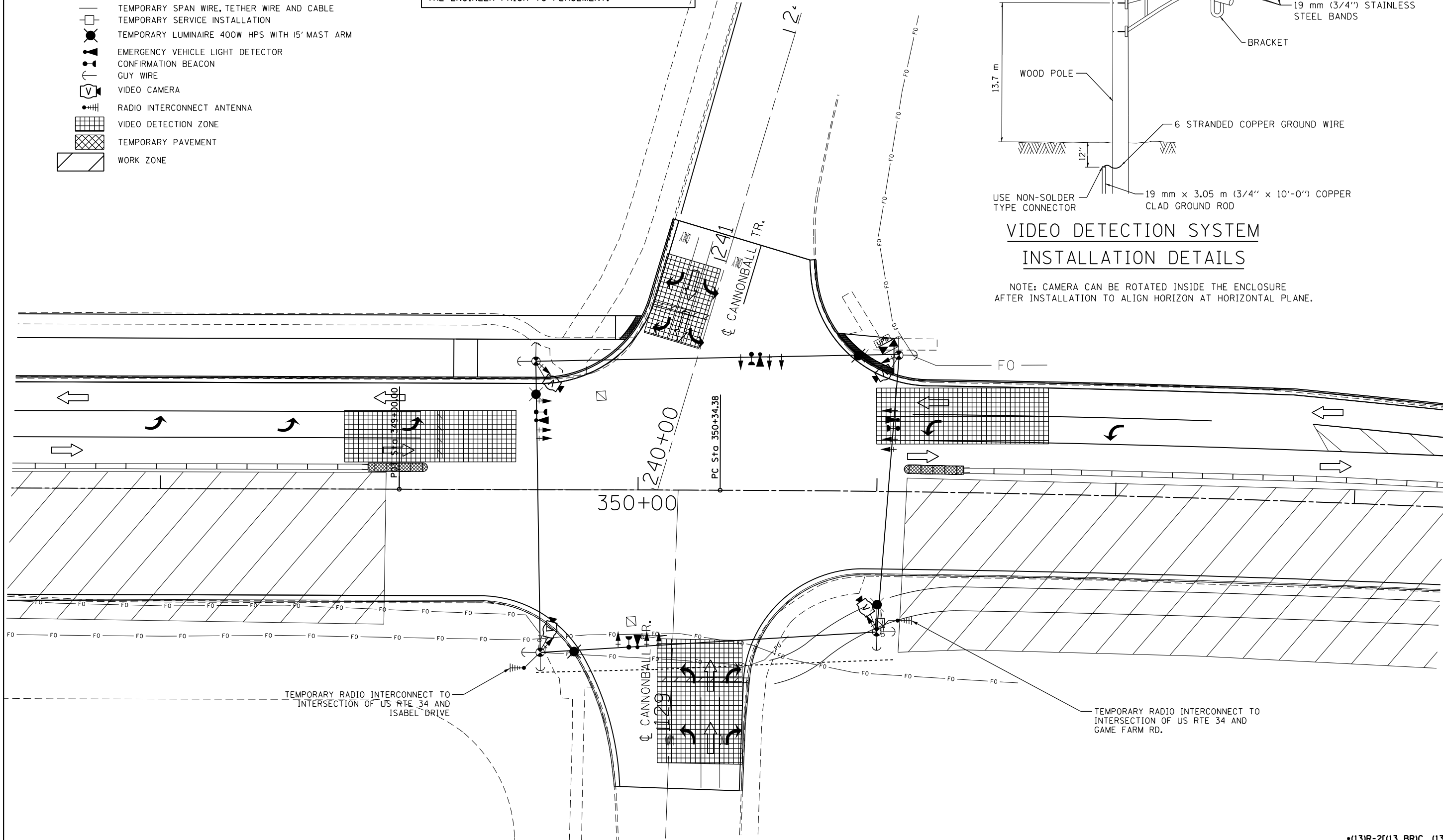
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/1/2017	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



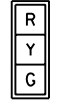








**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IIA - CANNONBALL TRAIL AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

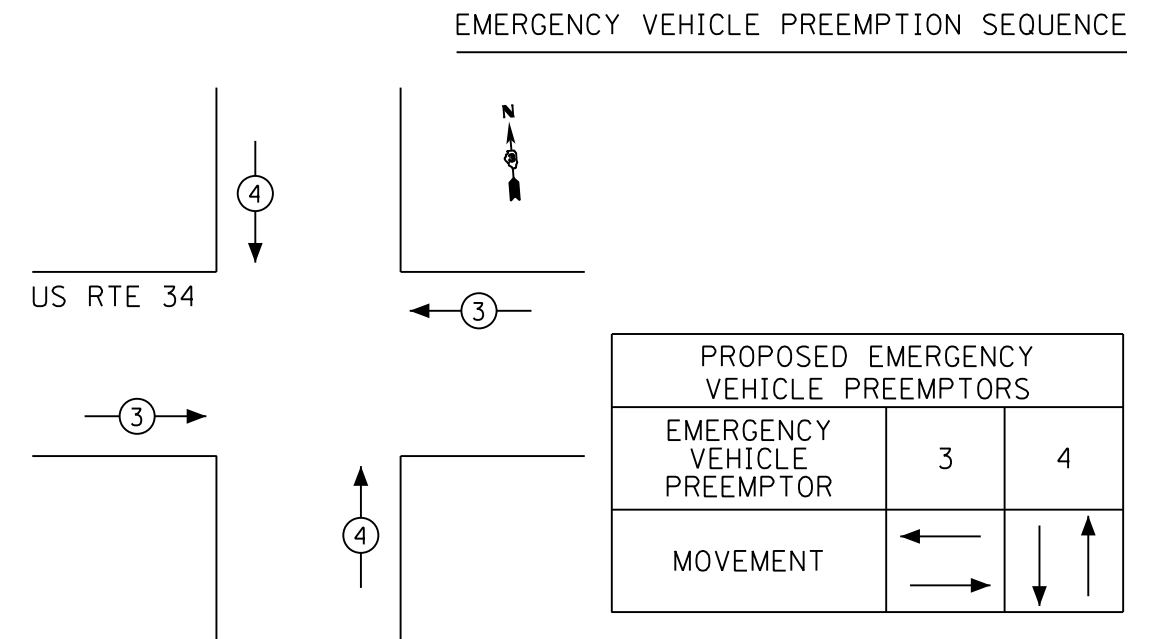
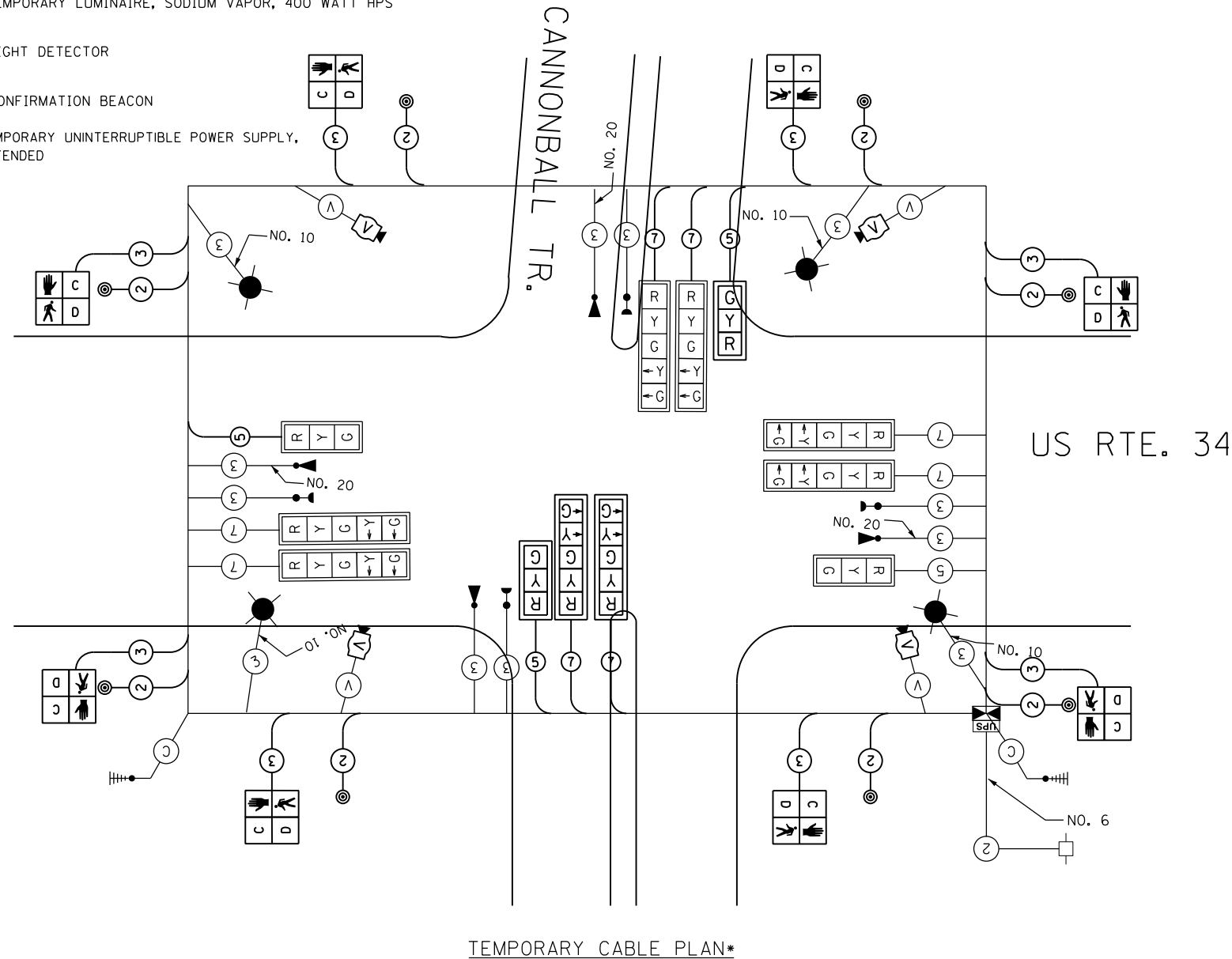
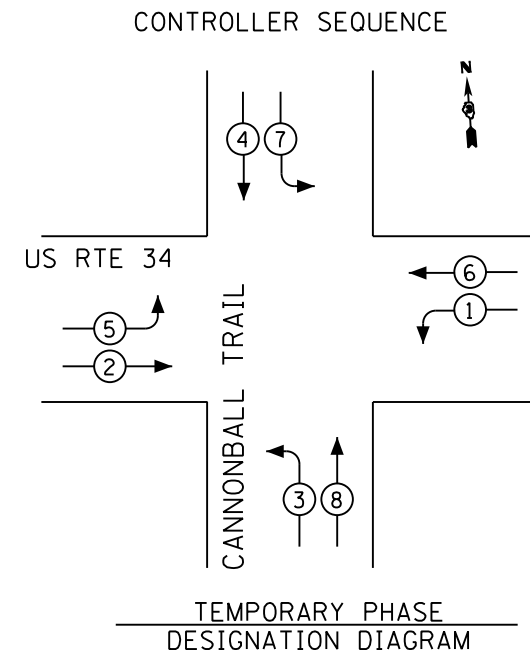
•(13)R-2[(13 BR)C, (13 BR-1)BR]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	268
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

















- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



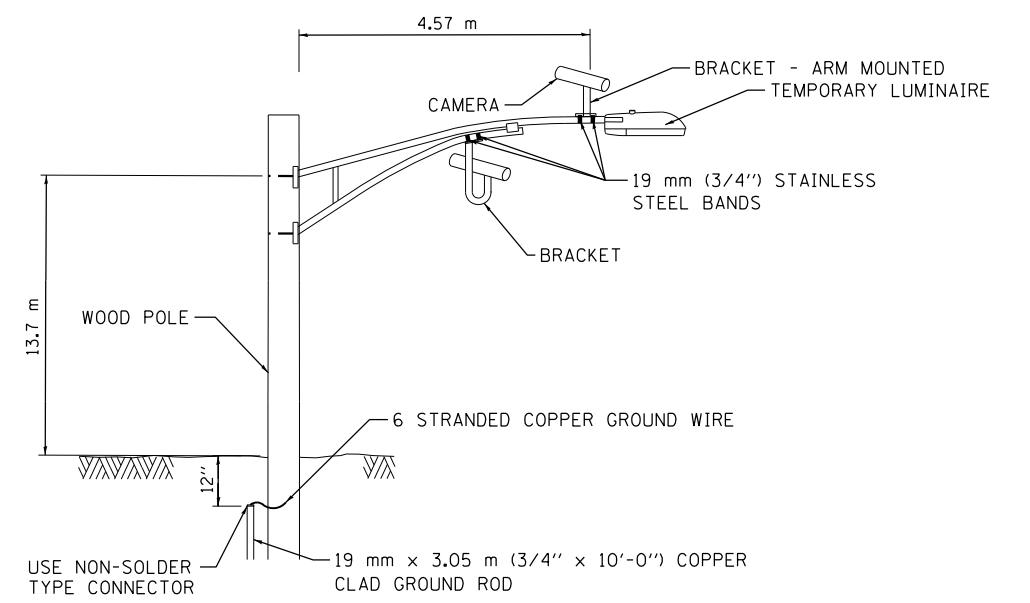
PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

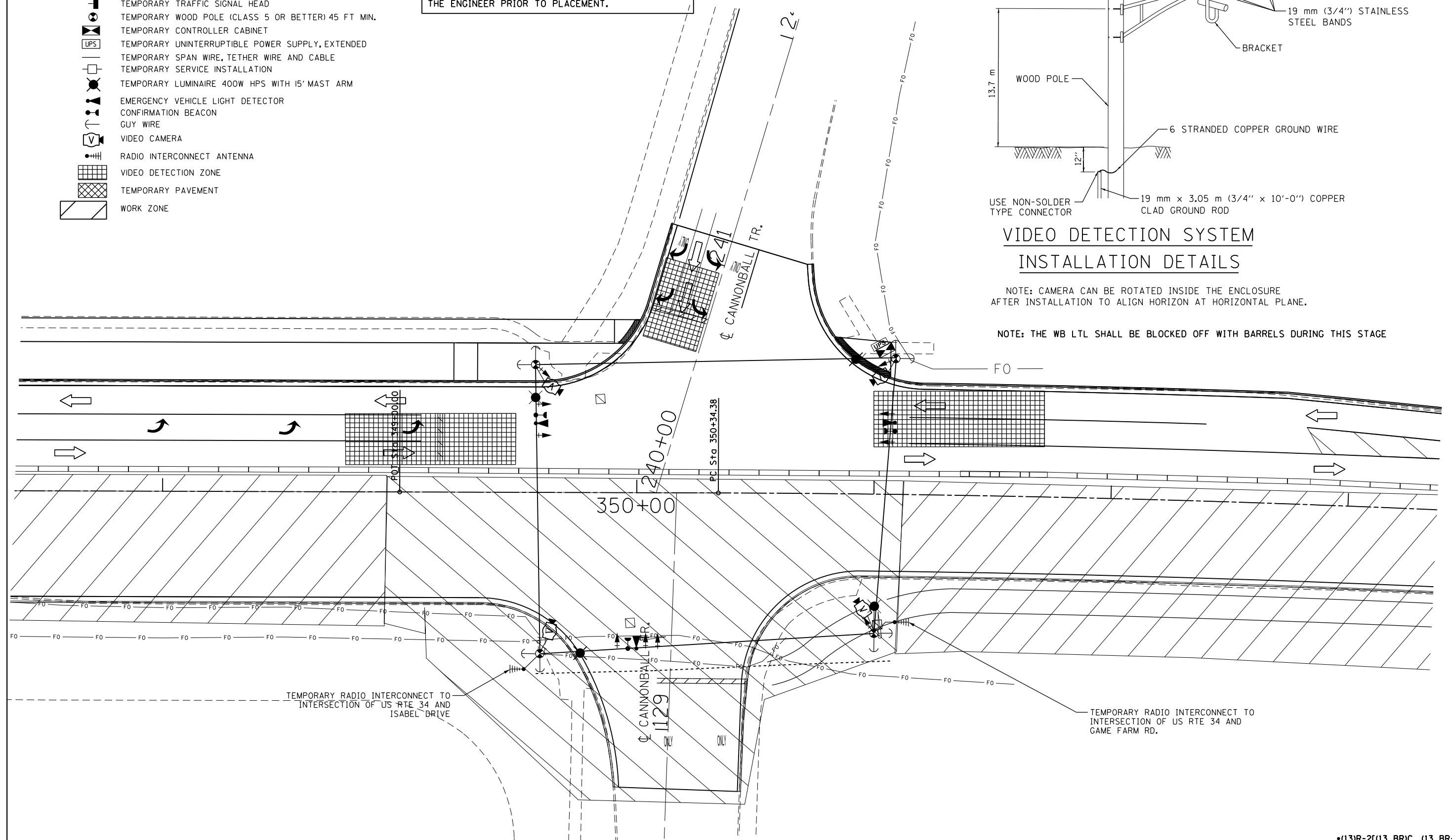
WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.












NOTE: THE WB LTL SHALL BE BLOCKED OFF WITH BARRELS DURING THIS STAGE



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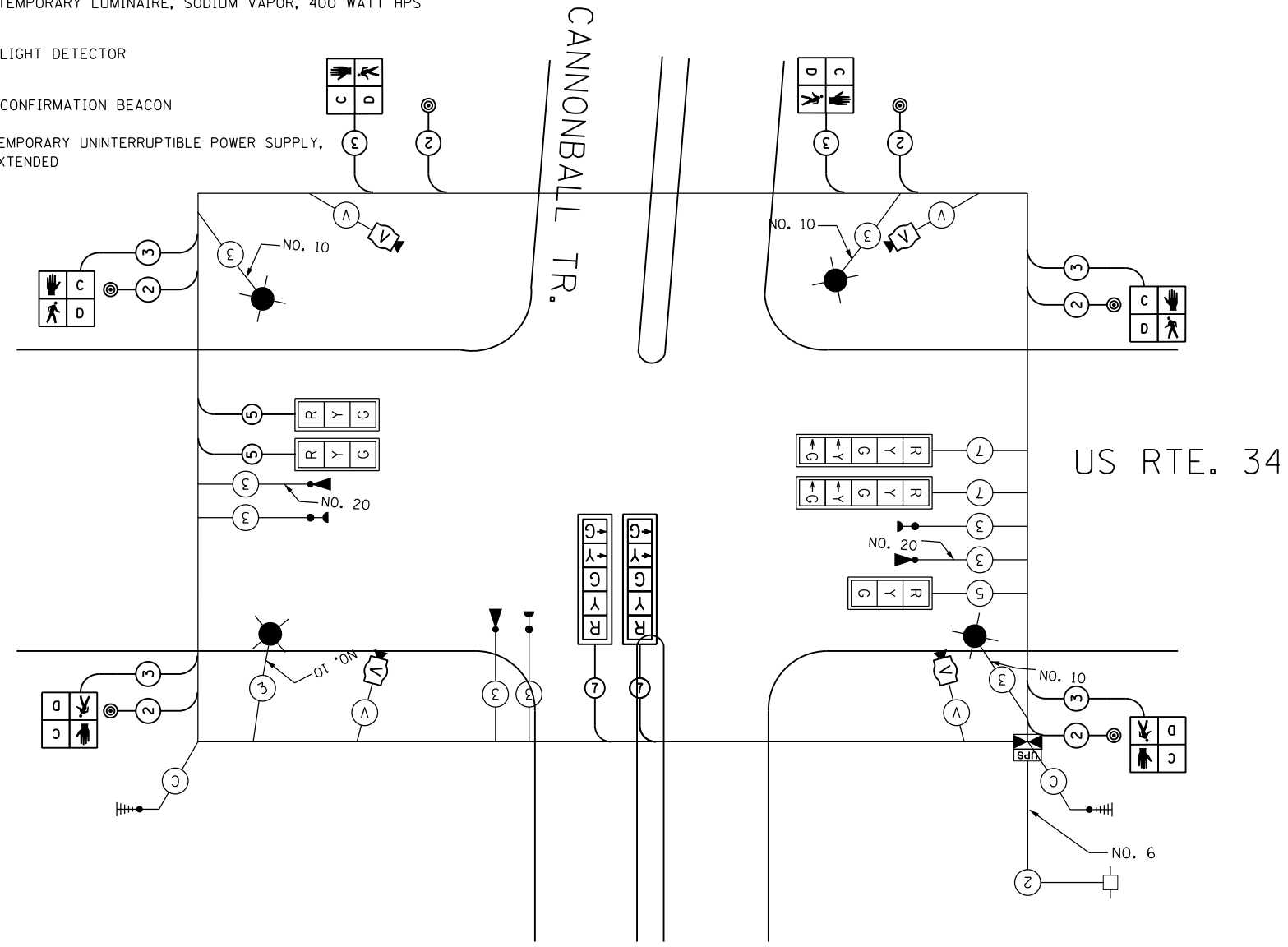
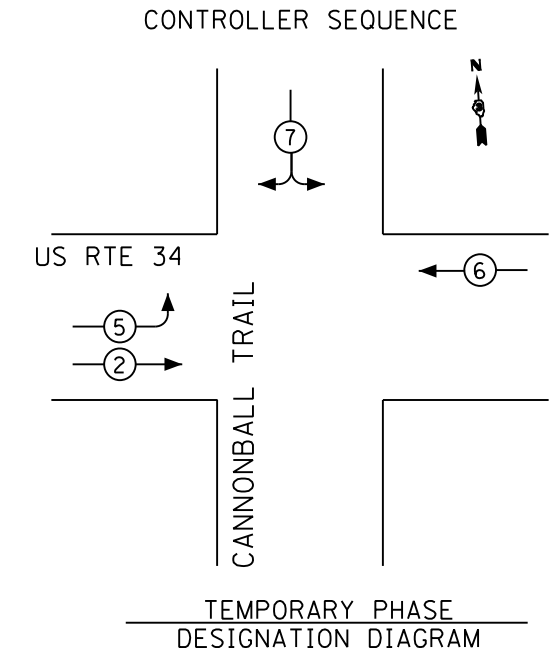
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TEMPORARY CABLE DIAGRAM LEGEND

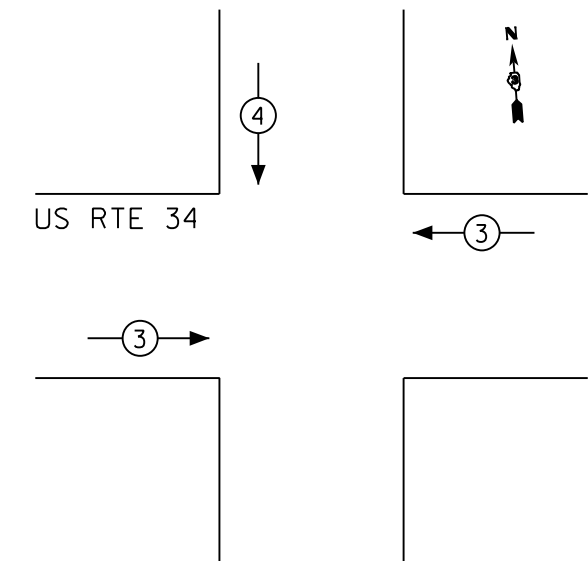
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-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  VIDEO DETECTION SYSTEM
-  TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
-  TEMPORARY PEDESTRIAN PUSH BUTTON
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
-  LIGHT DETECTOR
-  CONFIRMATION BEACON
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE
600V (XLP-TYPE USE) 3 - 1/C NO.10



EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓

NOTE: FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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Default	DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN-STAGE IIB			
CANNONBALL TRAIL AND US 34			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

*(13)R-2(13 BR)C, (13 BR-1)BRJ				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	271
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

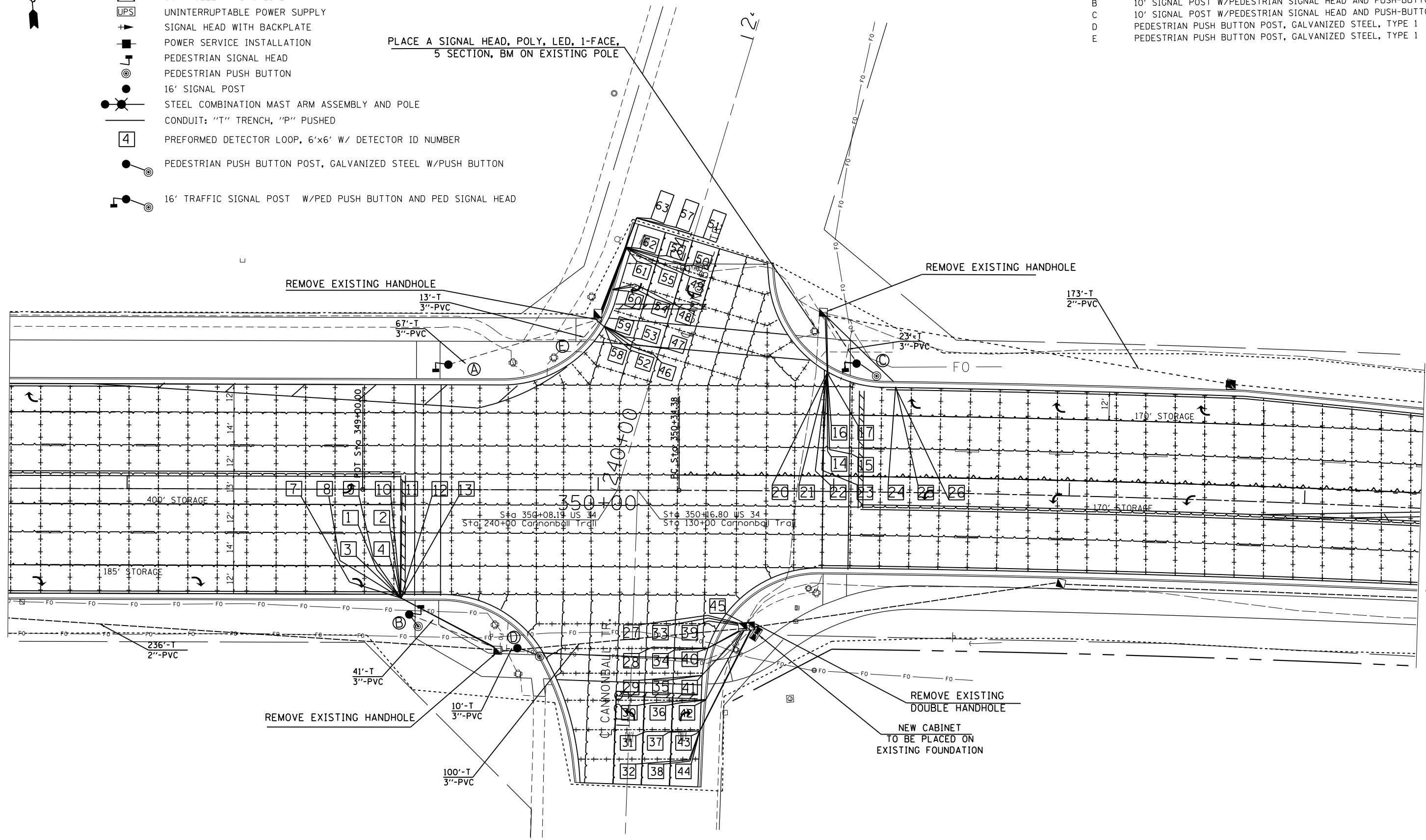
- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- UNINTERRUPTIBLE POWER SUPPLY
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- 16' SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- CONDUIT: "T" TRENCH, "P" PUSHED
- PREFORMED DETECTOR LOOP, 6'x6' W/ DETECTOR ID NUMBER
- PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL W/PUSH BUTTON
- 16' TRAFFIC SIGNAL POST W/PED PUSH BUTTON AND PED SIGNAL HEAD

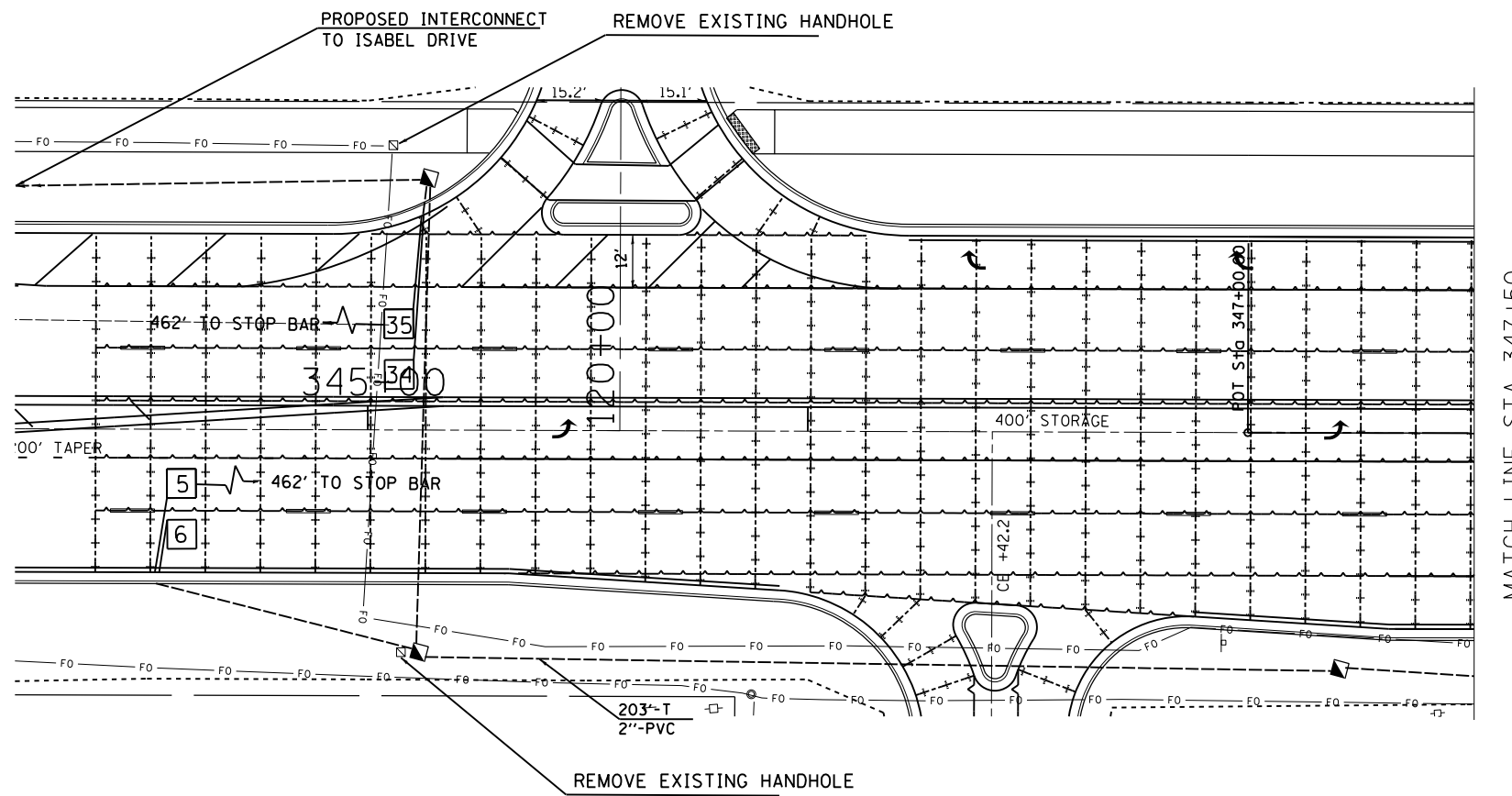
SCHEDULE OF POST ASSEMBLIES

LOCATION	LENGTH
A	10' SIGNAL POST W/PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON
B	10' SIGNAL POST W/PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON
C	10' SIGNAL POST W/PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON
D	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1
E	PEDESTRIAN PUSH BUTTON POST, GALVANIZED STEEL, TYPE 1

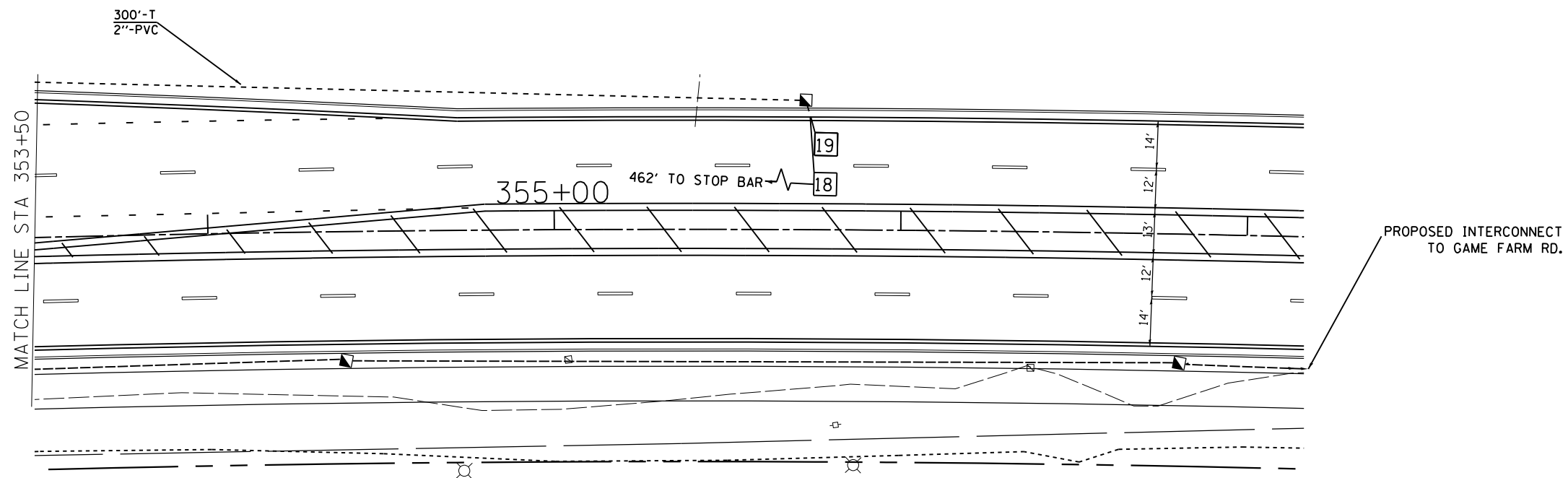
MATCH LINE STA 347+50

MATCH LINE STA 353+50





MATCH LINE STA 347+50



PROPOSED INTERCONNECT TO GAME FARM RD.

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\EP03507-2\Drawings\EP03507-2-sht-Signals\REVISED on Cannonball Trail		CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

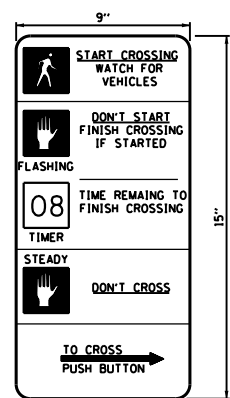
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION DIAGRAM
US 34 AND CANNONBALL TRAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

•(13)R-2((13 BR)C, (13 BR-1)BR)				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	273
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

PEDESTRIAN CROSSING SIGN DETAIL



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT EACH EXISTING PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.

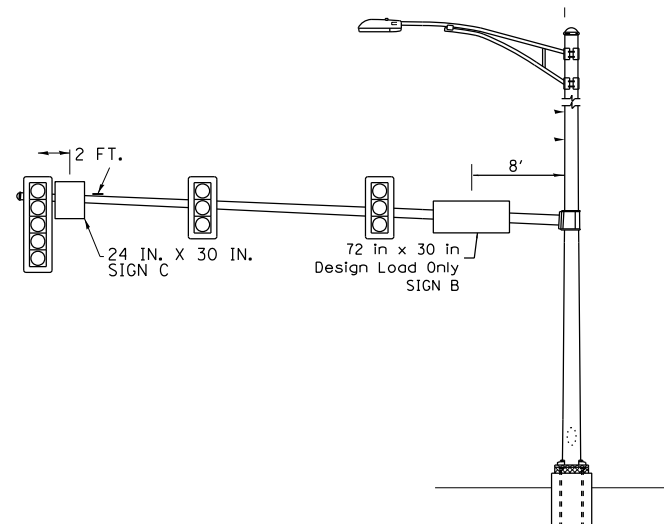
8 REQUIRED
 DIMENSIONS: 9 IN. x 15 IN. (TYP.)
 LEGEND AND BORDER: NON-REFLECTORIZED BLACK
 BACKGROUND: NON-REFLECTORIZED WHITE

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

TYPE AP SHEETING REQUIRED

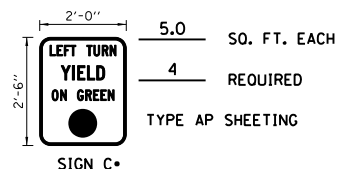
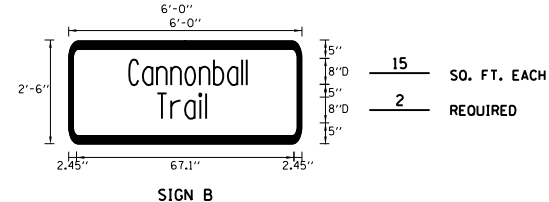
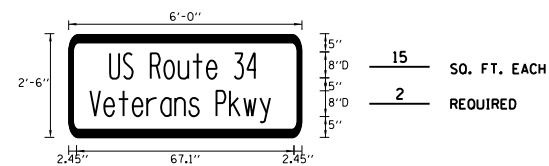


SIGN LOCATION ON EXISTING MAST ARM
 REPLACE ALL STREET SIGNS ON MAST ARMS
 PLACE SIGNS IN EXACT LOCATION AS EXISTING SIGNS

SIGN DETAIL FOR SIGNS A AND B

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

- STREET NAME SIGNS:
1. TYPE ZZ SHEETING REQUIRED
 2. WHITE/GREEN BACKGROUND
 3. STYLE (d) - 5/8 IN. BORDER
 4. 8 IN. SERIES D LETTERS
 5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



•DURING STAGES I AND II, THE CONTRATOR IS TO USE ALL 4 OF THESE EXISTING SIGNS AND RELOCATE THEM ONTO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THIS ITEM SHALL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
pw:\11\084EBID\INTEG.11\inois.gov\PIWIDT\Documents\IDOT Offices\District 3\Projects\EP03507-shr-Signs\PRELIM\Drawings\CannonballTrail		CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGN DETAILS
 US 34 AND CANNONBALL TRAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	275
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				













DETECTOR LOOP SCHEDULE, CANNONBALL TRAIL

APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	DETECTOR LOOP, TYPE I	PREFORMED DETECTOR LOOP FOOT
EASTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	36	8	13'		60
	2	6	PREFORMED DETECTOR LOOP	6'x6'	32	8	13'		56
	3	6	PREFORMED DETECTOR LOOP	6'x6'	26	8	13'		50
	4	6	PREFORMED DETECTOR LOOP	6'x6'	17	8	13'		41
	5	6	PREFORMED DETECTOR LOOP	6'x6'	17	8	6.5'		41
	6	6	PREFORMED DETECTOR LOOP	6'x6'	6	8	6.5'		30
EASTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	59	8	13'		83
	8	6	PREFORMED DETECTOR LOOP	6'x6'	55	8	13'		79
	9	6	PREFORMED DETECTOR LOOP	6'x6'	46	8	13'		70
	10	6	PREFORMED DETECTOR LOOP	6'x6'	42	8	13'		65.5
	11	6	PREFORMED DETECTOR LOOP	6'x6'	42	8	13'		65.5
	12	6	PREFORMED DETECTOR LOOP	6'x6'	44	8	13'		68
WESTBOUND THROUGH	13	6	PREFORMED DETECTOR LOOP	6'x6'	48	8	13'		72
	14	6	PREFORMED DETECTOR LOOP	6'x6'	37	8	13'		61
	15	6	PREFORMED DETECTOR LOOP	6'x6'	46	8	13'		70
	16	6	PREFORMED DETECTOR LOOP	6'x6'	23	8	13'		47
	17	6	PREFORMED DETECTOR LOOP	6'x6'	26	8	13'		50
	18	6	PREFORMED DETECTOR LOOP	6'x6'	16	8	6.5'		40
WESTBOUND LEFT	19	6	PREFORMED DETECTOR LOOP	6'x6'	5	8	6.5		28.5
	20	6	PREFORMED DETECTOR LOOP	6'x6'	53	8	13'		77
	21	6	PREFORMED DETECTOR LOOP	6'x6'	50	8	13'		74
	22	6	PREFORMED DETECTOR LOOP	6'x6'	51	8	13'		75
	23	6	PREFORMED DETECTOR LOOP	6'x6'	58	8	13'		82
	24	6	PREFORMED DETECTOR LOOP	6'x6'	42	8	13'		65.5
NORTHBOUND LEFT	25	6	PREFORMED DETECTOR LOOP	6'x6'	43	8	13'		67
	26	6	PREFORMED DETECTOR LOOP	6'x6'	48	8	13'		72
	27	6	PREFORMED DETECTOR LOOP	6'x6'	36	10	13'		60
	28	6	PREFORMED DETECTOR LOOP	6'x6'	30	10	13'		54
	29	6	PREFORMED DETECTOR LOOP	6'x6'	27	10	13'		50.5
	30	6	PREFORMED DETECTOR LOOP	6'x6'	27	35	13'		51
NORTHBOUND THROUGH	31	6	PREFORMED DETECTOR LOOP	6'x6'	28	45	13'		52
	32	6	PREFORMED DETECTOR LOOP	6'x6'	36	45	13'		60
	33	6	PREFORMED DETECTOR LOOP	6'x6'	23	10	13'		47
	34	6	PREFORMED DETECTOR LOOP	6'x6'	17	10	13'		41
	35	6	PREFORMED DETECTOR LOOP	6'x6'	15	10	13'		39
	36	6	PREFORMED DETECTOR LOOP	6'x6'	15	35	13'		39
NORTHBOUND RIGHT	37	6	PREFORMED DETECTOR LOOP	6'x6'	16	45	13'		39.5
	38	6	PREFORMED DETECTOR LOOP	6'x6'	25	45	13'		49
	39	6	PREFORMED DETECTOR LOOP	6'x6'	10	10	13'		34
	40	6	PREFORMED DETECTOR LOOP	6'x6'	5	10	13'		29
	41	6	PREFORMED DETECTOR LOOP	6'x6'	3	10	13'		27
	42	6	PREFORMED DETECTOR LOOP	6'x6'	3	35	13'		26.5
SOUTHBOUND LEFT	43	6	PREFORMED DETECTOR LOOP	6'x6'	4	45	13'		27.5
	44	6	PREFORMED DETECTOR LOOP	6'x6'	15	45	13'		39
	45	6	PREFORMED DETECTOR LOOP	6'x6'	1	10	13'		25
	46	6	PREFORMED DETECTOR LOOP	6'x6'	29	25	13'		53
	47	6	PREFORMED DETECTOR LOOP	6'x6'	29	25	13'		53
	48	6	PREFORMED DETECTOR LOOP	6'x6'	28	25	13'		52
SOUTHBOUND THROUGH	49	6	PREFORMED DETECTOR LOOP	6'x6'	28	25	13'		52
	50	6	PREFORMED DETECTOR LOOP	6'x6'	28	25	13'		52
	51	4	DETECTOR LOOP, TYPE I	6'x10'	28	42	13'	62	
	52	6	PREFORMED DETECTOR LOOP	6'x6'	19	25	13'		43
	53	6	PREFORMED DETECTOR LOOP	6'x6'	17	25	13'		41
	54	6	PREFORMED DETECTOR LOOP	6'x6'	17	25	13'		41
SOUTHBOUND RIGHT	55	6	PREFORMED DETECTOR LOOP	6'x6'	16	25	13'		40
	56	6	PREFORMED DETECTOR LOOP	6'x6'	15	25	13'		39
	57	4	DETECTOR LOOP, TYPE I	6'x10'	16	42	13'	47	
	58	6	PREFORMED DETECTOR LOOP	6'x6'	9	25	13'		33
	59	6	PREFORMED DETECTOR LOOP	6'x6'	5	25	13'		29
	60	6	PREFORMED DETECTOR LOOP	6'x6'	4	25	13'		28
SOUTHBOUND THROUGH	61	6	PREFORMED DETECTOR LOOP	6'x6'	5	25	13'		29
	62	6	PREFORMED DETECTOR LOOP	6'x6'	4	25	13'		28
	63	4	DETECTOR LOOP, TYPE I	6'x10'	5	42	13'	37	
GRAND TOTAL								146	2993

















•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP SCHEDULE US 34 AND CANNONBALL TRAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP03507-Data\CAD\Sheets\EP03507-sht-Signs\PREVISOR\CannonballTrail	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			591	*	KENDALL	533	276
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -			CONTRACT NO. 66993		ILLINOIS FED. AID PROJECT		
SCALE:						SHEET	OF	SHEETS	STA.	TO STA.

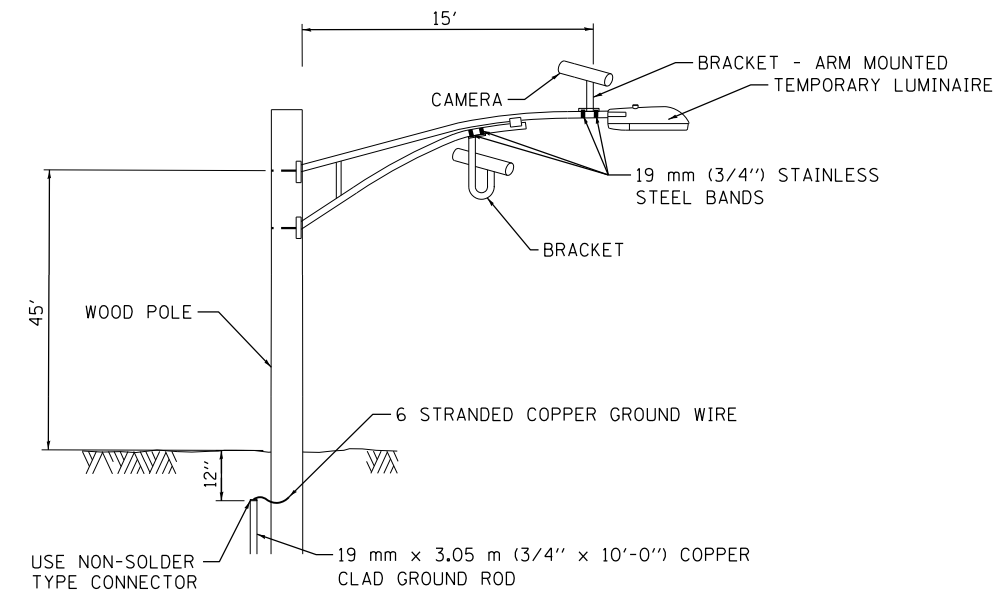
EXISTING EQUIPMENT TO BE REMOVED

-  EXISTING SIGNAL HEAD
-  EXISTING PEDESTRIAN SIGNAL HEAD
-  EXISTING SERVICE INSTALLATION
-  EXISTING SIGNAL POST AND FOUNDATION
-  EXISTING CONTROLLER AND FOUNDATION
-  EXISTING HANDHOLE
-  EXISTING HEAVY-DUTY HANDHOLE
-  EXISTING STEEL MAST ARM POLE AND FOUNDATION
-  EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
-  EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
-  EXISTING CONFIRMATION BEACON
-  EXISTING CONFIRMATION BEACON

TEMPORARY TRAFFIC SIGNAL LEGEND

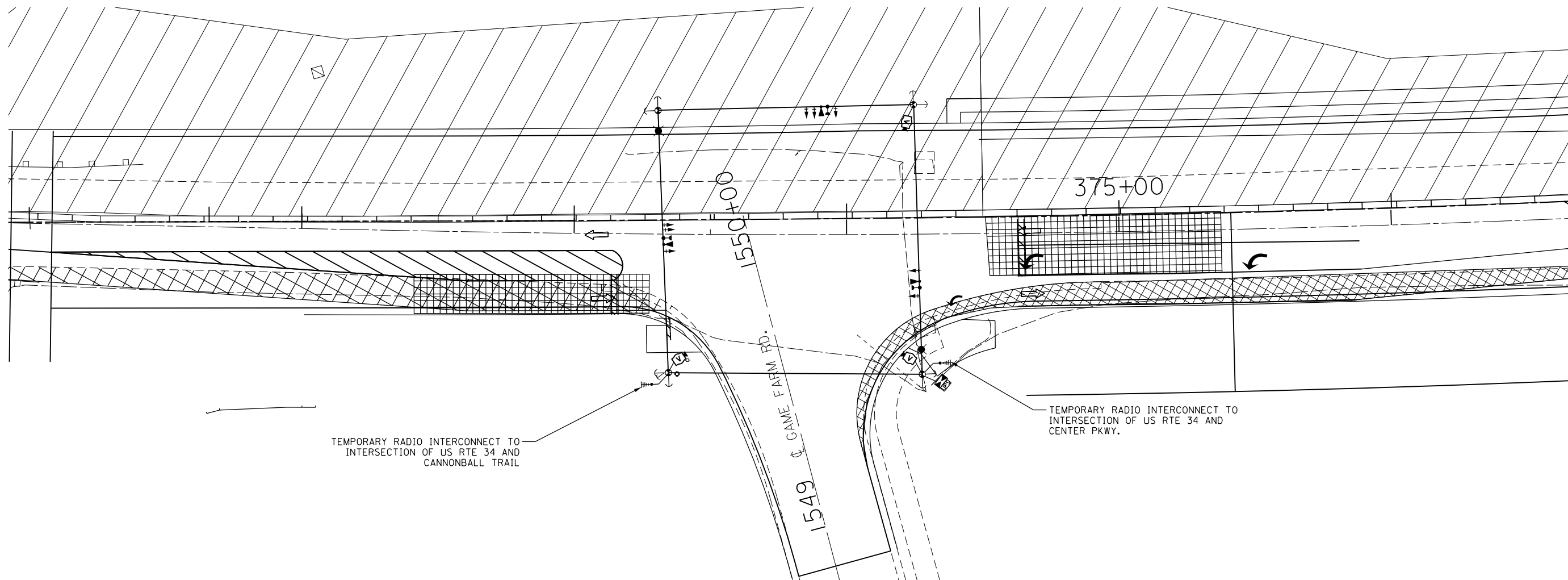
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY TRAFFIC SIGNAL HEAD
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
-  TEMPORARY CONTROLLER CABINET
-  TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  GUY WIRE
-  VIDEO CAMERA
-  RADIO INTERCONNECT ANTENNA
-  VIDEO DETECTION ZONE
-  TEMPORARY PAVEMENT
-  WORK ZONE

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.



•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -
p:\11\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 3\Projects\EP03507-sht-Signs\PRELIM\onGameFarmRoad			
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN
STAGE IA&IB - GAME FARM ROAD AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	277
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

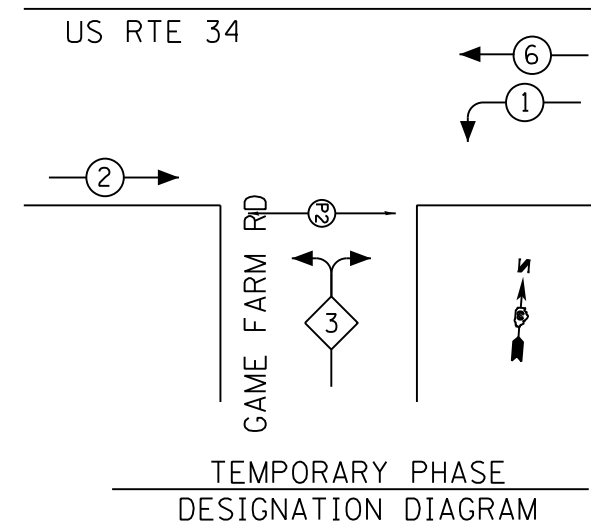
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

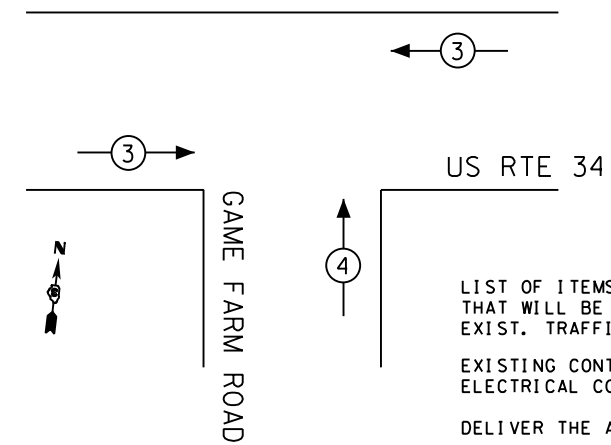
OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR
VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

CONTROLLER SEQUENCE

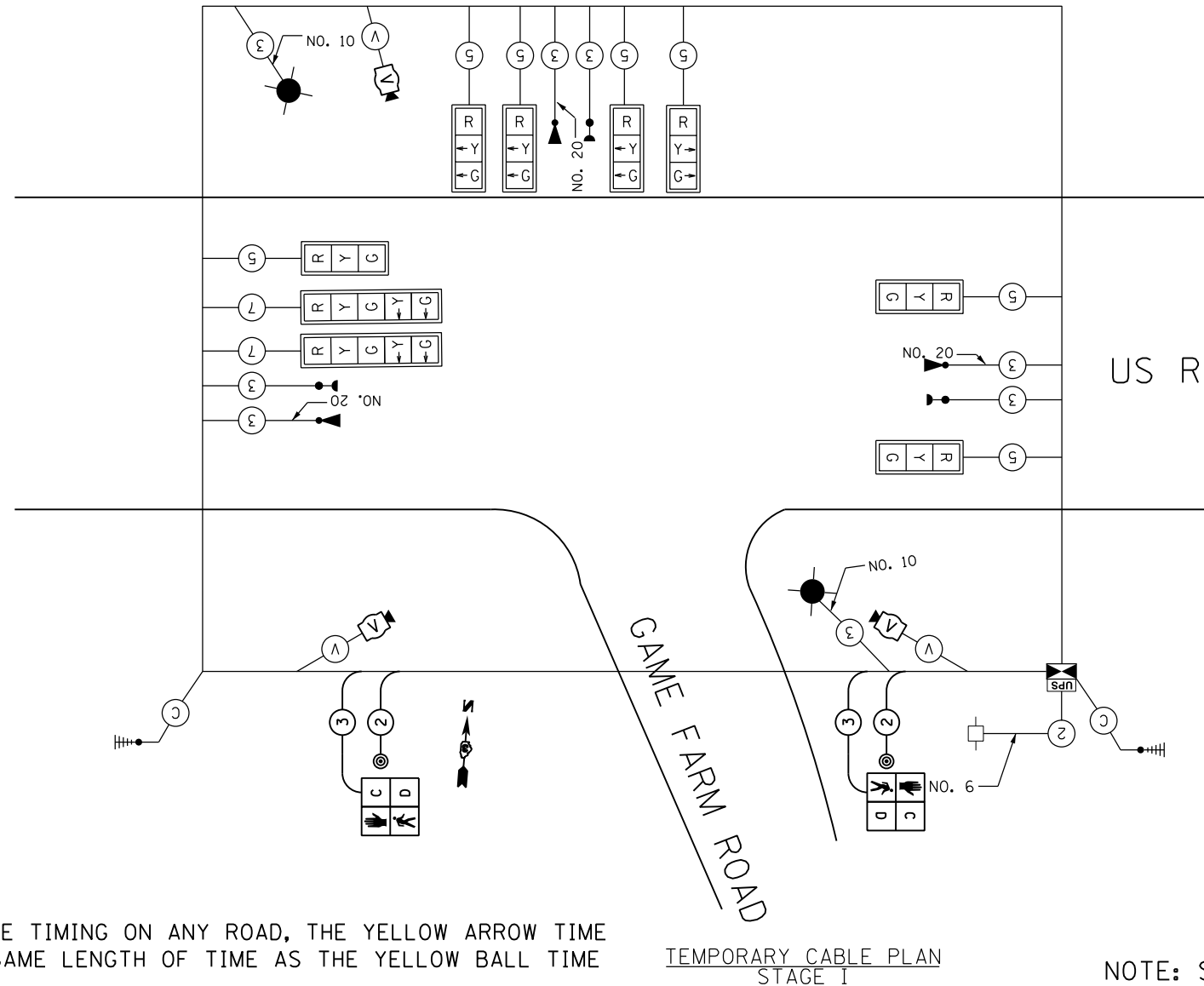


EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑



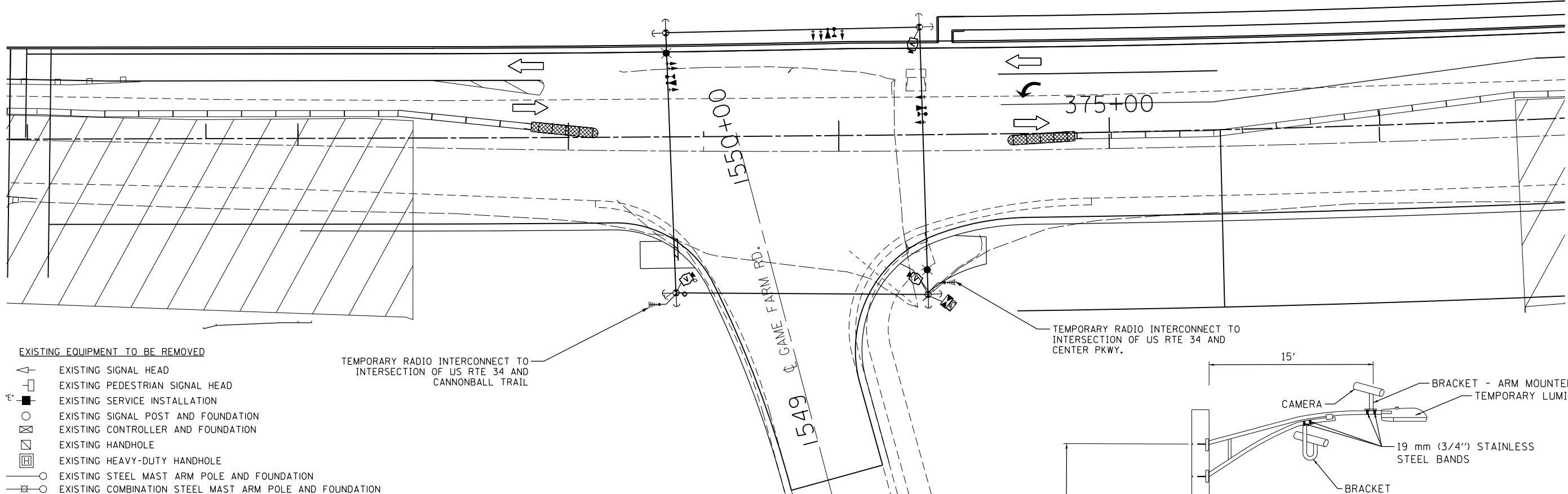
- LIST OF ITEMS TO BE REMOVED THAT WILL BE INCLUDED IN REMOVE EXIST. TRAFFIC SIGNAL EQUIPMENT:
- EXISTING CONTROLLER CABINET WITH ALL ELECTRICAL COMPONENTS
- DELIVER THE ABOVE ITEMS TO:
- UNITED CITY OF YORKVILLE
800 GAME FARM ROAD
YORKVILLE, ILLINOIS 60560
- ITEMS TO BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE ROW:
- 3 STREET SIGNS
 - 2 PEDESTRIAN SIGNAL HEADS
 - 3 MAST ARM ASSEMBLIES W/POLES
 - 10 EACH SIGNAL HEADS
 - SERVICE INSTALLATION
 - ALL WIRES



NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

NOTE: STAGE IA & IB SHALL USE THE SAME CABLE PLAN

NOTE: DURING STAGE IIA CONSTRUCTION
PLEASE TURN SIGNAL OFF.



EXISTING EQUIPMENT TO BE REMOVED

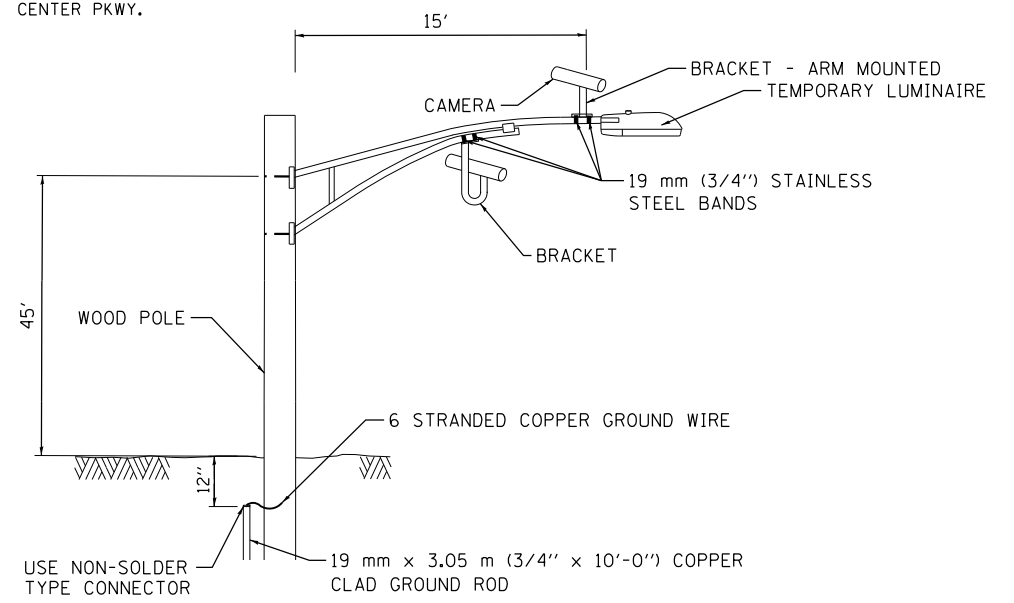
- ▲ EXISTING SIGNAL HEAD
- ◻ EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL POST AND FOUNDATION
- ⊗ EXISTING CONTROLLER AND FOUNDATION
- ⊠ EXISTING HANDHOLE
- ⊞ EXISTING HEAVY-DUTY HANDHOLE
- ⊕ EXISTING STEEL MAST ARM POLE AND FOUNDATION
- ⊖ EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
- ⊗ EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ EXISTING CONFIRMATION BEACON
- ⊚ EXISTING CONFIRMATION BEACON

TEMPORARY TRAFFIC SIGNAL LEGEND

- ▲+ TEMPORARY TRAFFIC SIGNAL HEAD
- + TEMPORARY TRAFFIC SIGNAL HEAD
- ⊕+ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
- ⊞+ TEMPORARY CONTROLLER CABINET
- UPS+ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
- + TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- ◻+ TEMPORARY SERVICE INSTALLATION
- ⊕+ TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
- ⊗+ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙+ CONFIRMATION BEACON
- ⊚+ GUY WIRE
- ⊚+ VIDEO CAMERA
- ⊚+ RADIO INTERCONNECT ANTENNA
- ⊚+ VIDEO DETECTION ZONE
- ⊚+ TEMPORARY PAVEMENT
- ⊚+ WORK ZONE

TEMPORARY RADIO INTERCONNECT TO
INTERSECTION OF US RTE 34 AND
CANNONBALL TRAIL

TEMPORARY RADIO INTERCONNECT TO
INTERSECTION OF US RTE 34 AND
CENTER PKWY.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE
AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\EP03507-GameFarmRoad\Drawings\CAD\Sheets\EP03507-sht-Signals		PREPARED -	REVISIONS
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC INSTALLATION PLAN
STAGE IIB - GAME FARM ROAD AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	279
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

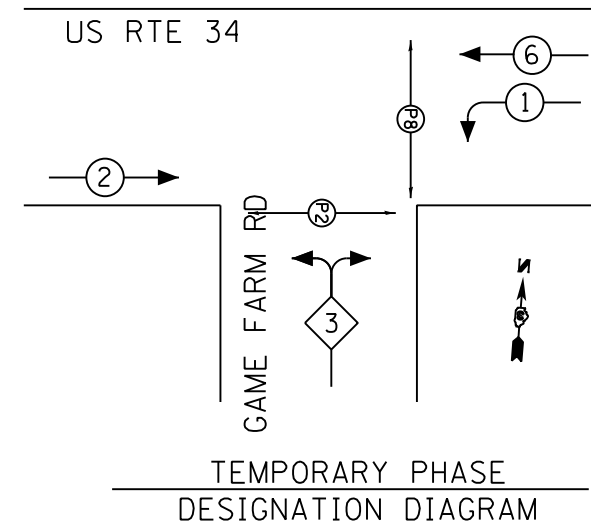
TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD
MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR
VEHICLE VIDEO DETECTION SYSTEM)
- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO.6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

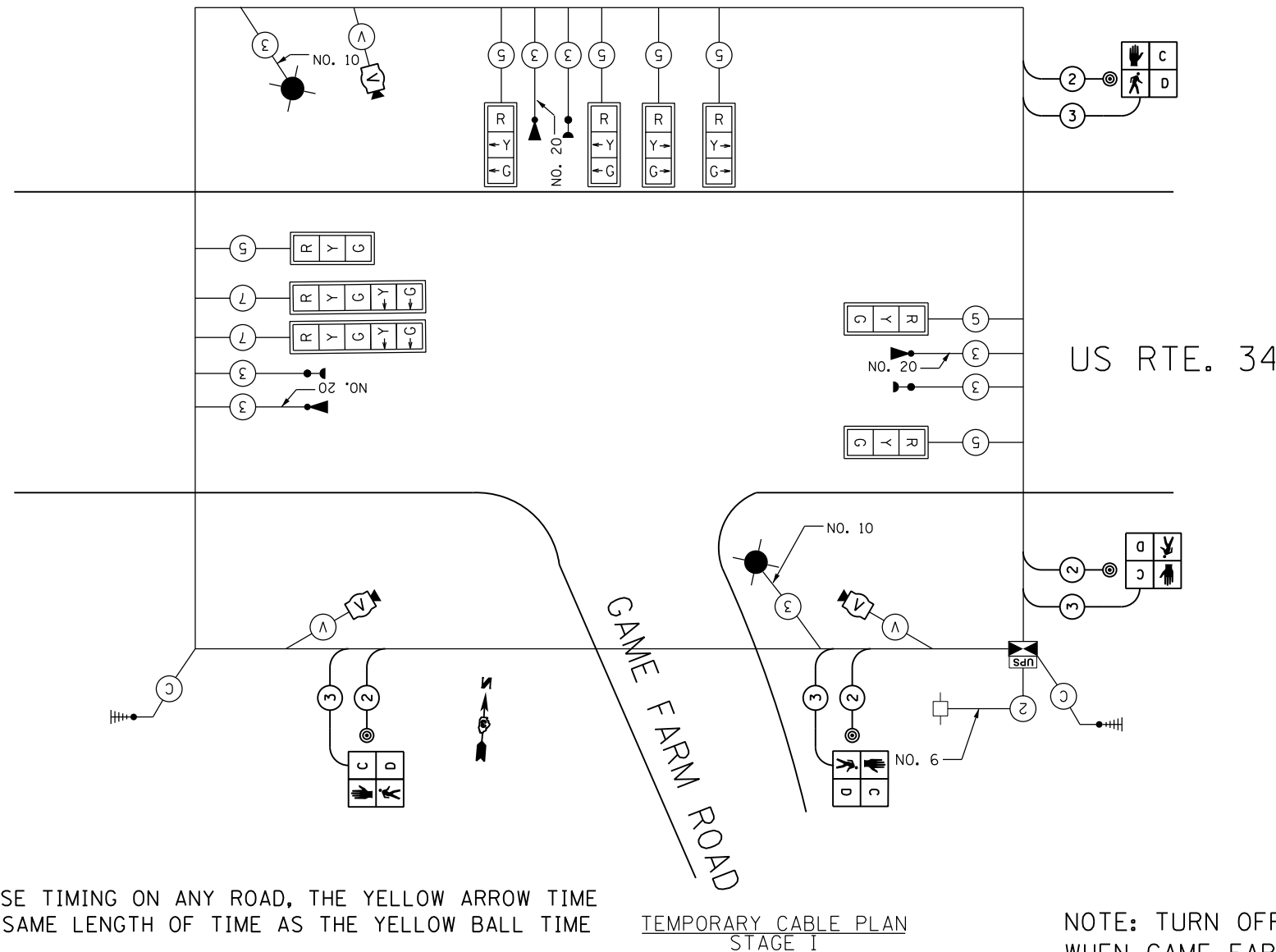
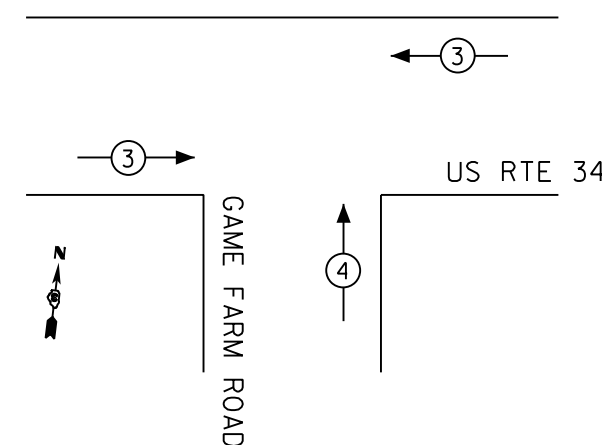
CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↑



NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

TEMPORARY CABLE PLAN
STAGE I

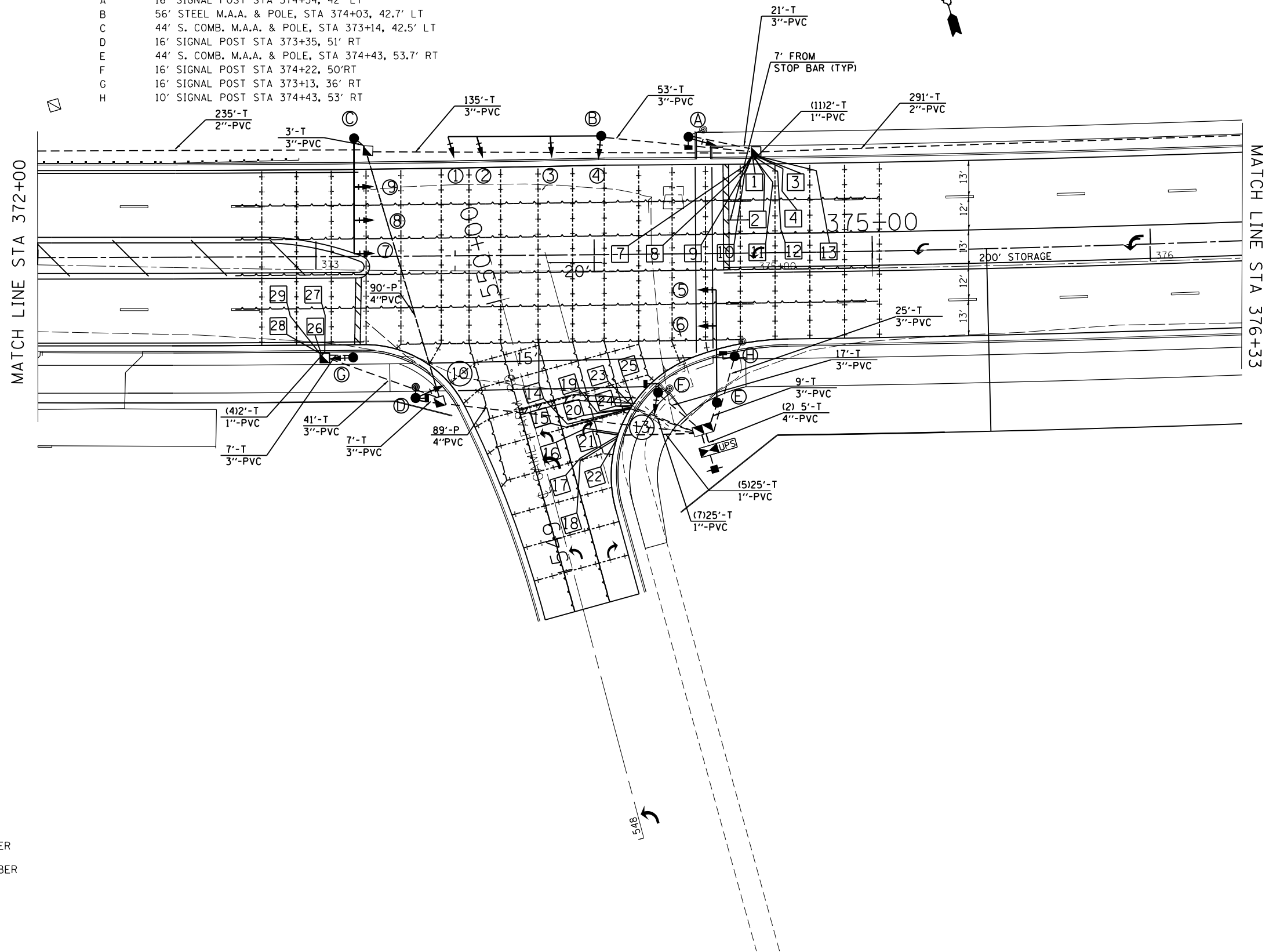
NOTE: TURN OFF TRAFFIC SIGNALS DURING STAGE IIA WHEN GAME FARM ROAD IS CLOSED

SCHEDULE OF SIGNAL HEAD QUANTITIES














LOCATION	ITEM	UNIT	QUANTITIES
1, 2, 3, 5, 6, 8, 9,	SH, 1F, 3S, MAM	EACH	7
10	SH, 1F, 5S, BM	EACH	1
7	SH, 1F, 5S, MAM	EACH	1
4, 11, 12, 13	SH, 1F, 3S, BM	EACH	4

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH
A	16' SIGNAL POST STA 374+34, 42' LT
B	56' STEEL M.A.A. & POLE, STA 374+03, 42.7' LT
C	44' S. COMB. M.A.A. & POLE, STA 373+14, 42.5' LT
D	16' SIGNAL POST STA 373+35, 51' RT
E	44' S. COMB. M.A.A. & POLE, STA 374+43, 53.7' RT
F	16' SIGNAL POST STA 374+22, 50' RT
G	16' SIGNAL POST STA 373+13, 36' RT
H	10' SIGNAL POST STA 374+43, 53' RT



TRAFFIC SIGNAL LEGEND

-  HANDHOLE
-  DOUBLE HANDHOLE
-  CONTROLLER AND CABINET
-  UNINTERRUPTABLE POWER SUPPLY
-  SIGNAL HEAD WITH BACKPLATE
-  POWER SERVICE INSTALLATION
-  PEDESTRIAN SIGNAL HEAD
-  PEDESTRIAN PUSH BUTTON
-  SIGNAL POST
-  STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
-  CONDUIT: "T" TRENCH, "P" PUSHED
-  4 PREFORMED DETECTOR LOOP, 6'x6' W/ DETECTOR ID NUMBER
-  2 PREFORMED DETECTOR LOOP, 20'x6' W/ DETECTOR ID NUMBER

•(13)R-2[(13 BR)C, (13 BR-1)BR]

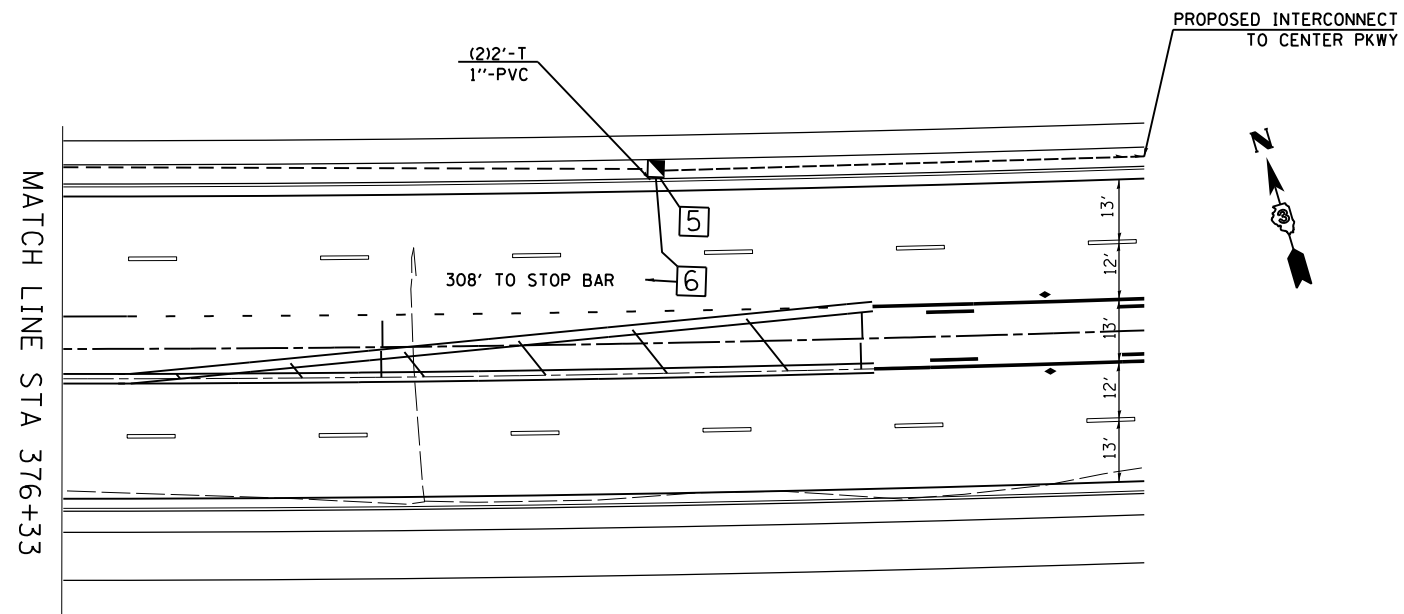
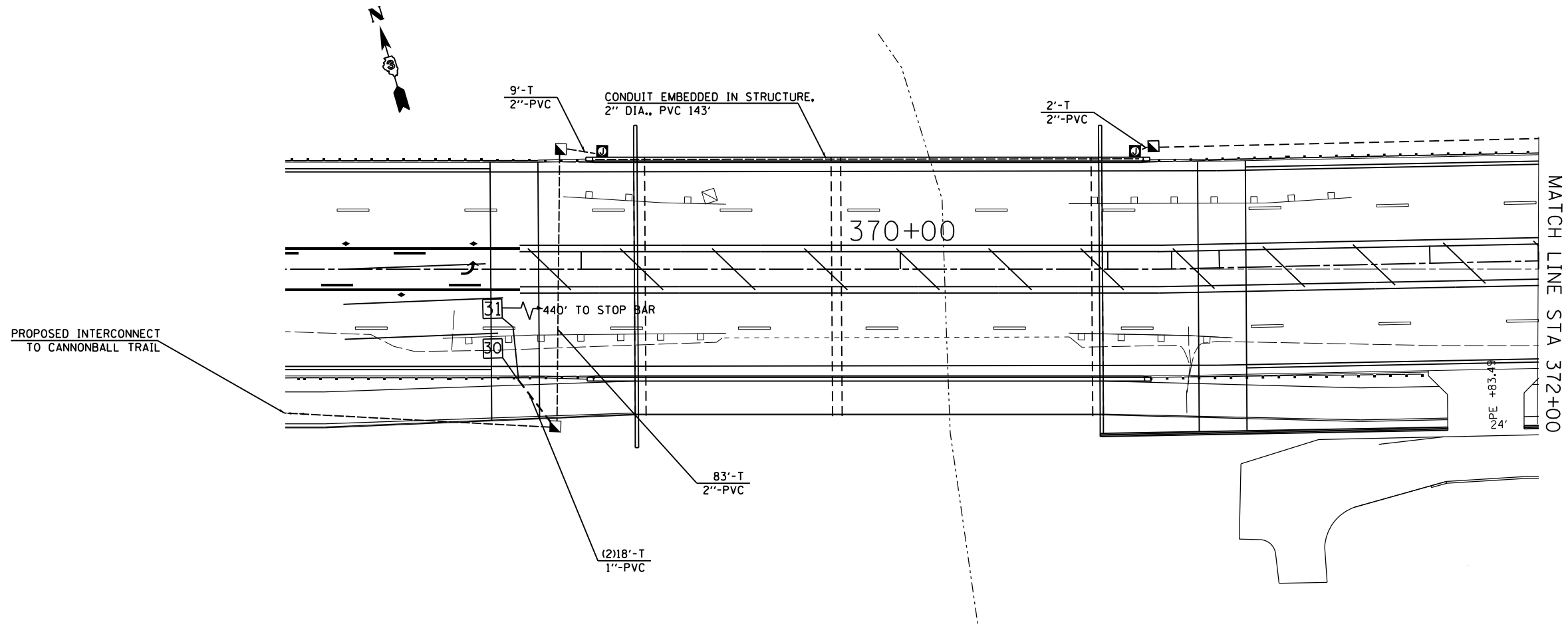
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	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC INSTALLATION DIAGRAM
US 34 AND GAME FARM ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	281
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



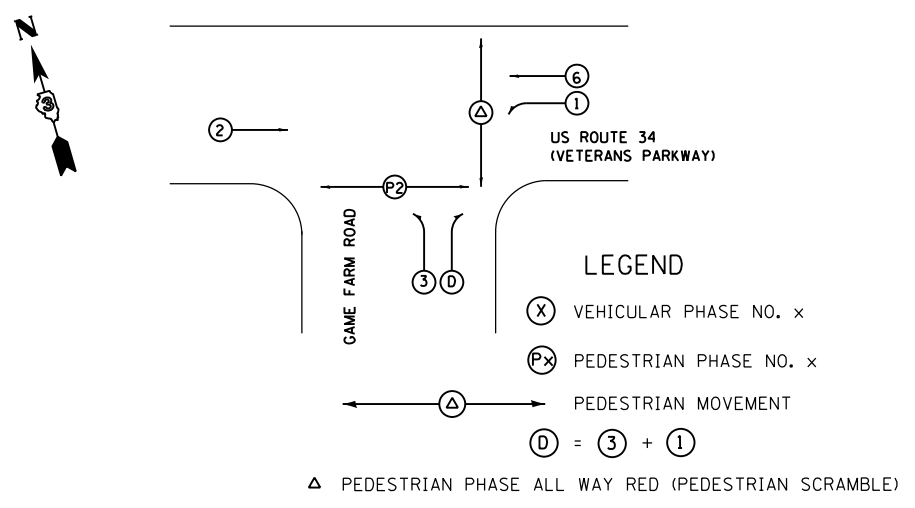
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Default	PLOT DATE = 2/6/2017	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC INSTALLATION DIAGRAM US 34 AND GAME FARM ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	282
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

•(13)R-2((13 BR)C, (13 BR-1)BR)



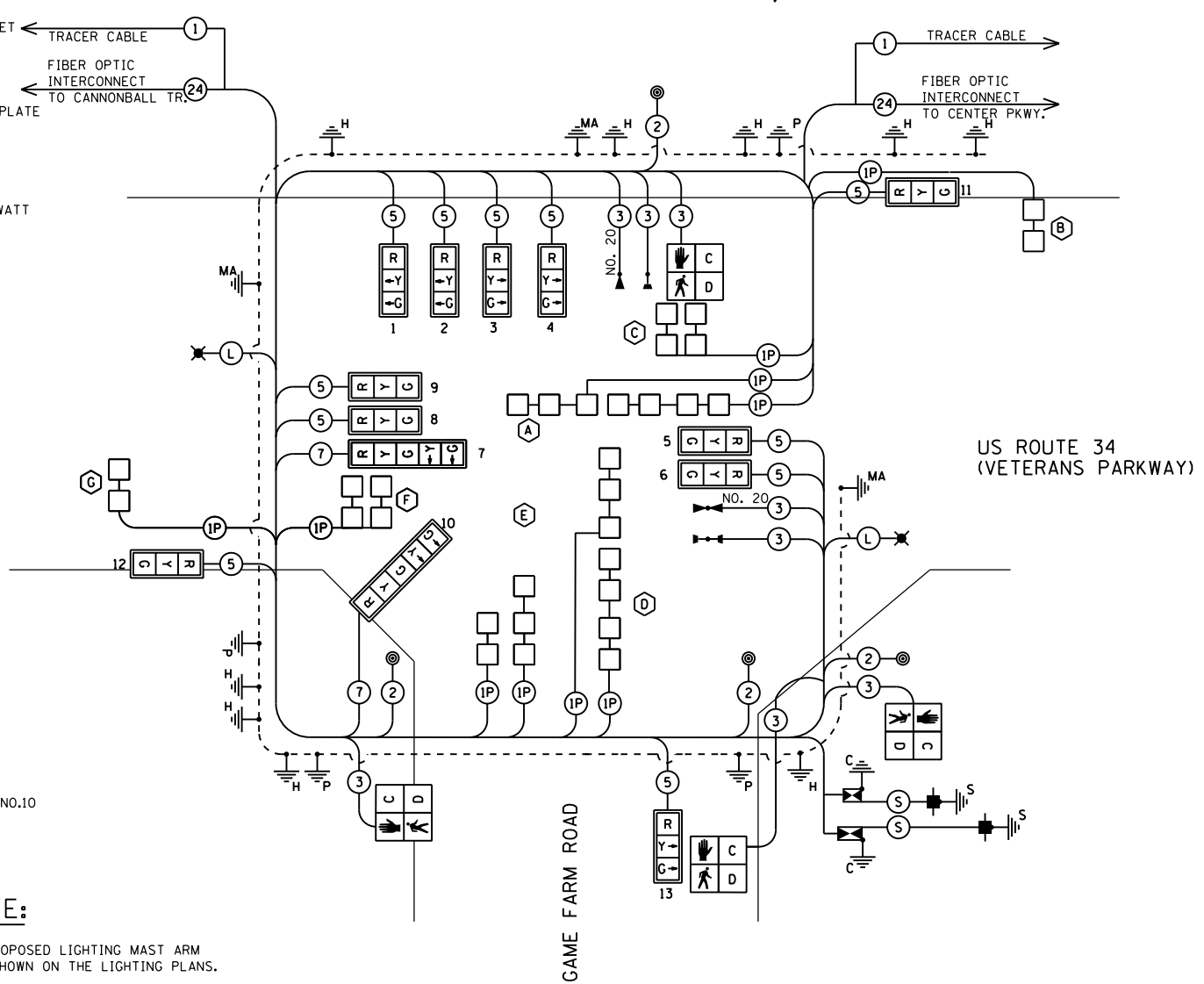
PHASE DESIGNATION DIAGRAM

PROPOSED CABLE DIAGRAM LEGEND

- CONTROLLER AND CABINET
- LIGHTING CONTROLLER AND CABINET
- SERVICE INSTALLATION
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- LUMINAIRE, SODIUM VAPOR, 400 WATT
- PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- PEDESTRIAN PUSH BUTTON
- DETECTOR LOOP
- DETECTOR LOOP SYSTEM
- GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND ROD AT CONTROLLER
- LIGHT DETECTOR
- CONFIRMATION BEACON
- SERVICE CABLE
- ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- LIGHTING CABLE

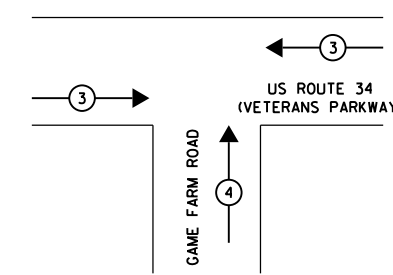
NOTE:

THE ORIENTATION OF THE PROPOSED LIGHTING MAST ARM AND LUMINAIRE SHALL BE AS SHOWN ON THE LIGHTING PLANS.



CABLE DIAGRAM

CONTROLLER SPECIFIED: COBALT ECONOLITE EDI-MMU AND LS-200 SWITCH
 PEDESTRIAN PUSH-BUTTONS: 4 EVR ROUND MODEL
 LUMINAIRES: 400 WATT HPS STERNBERG 1914A/CHS LUMINAIRES

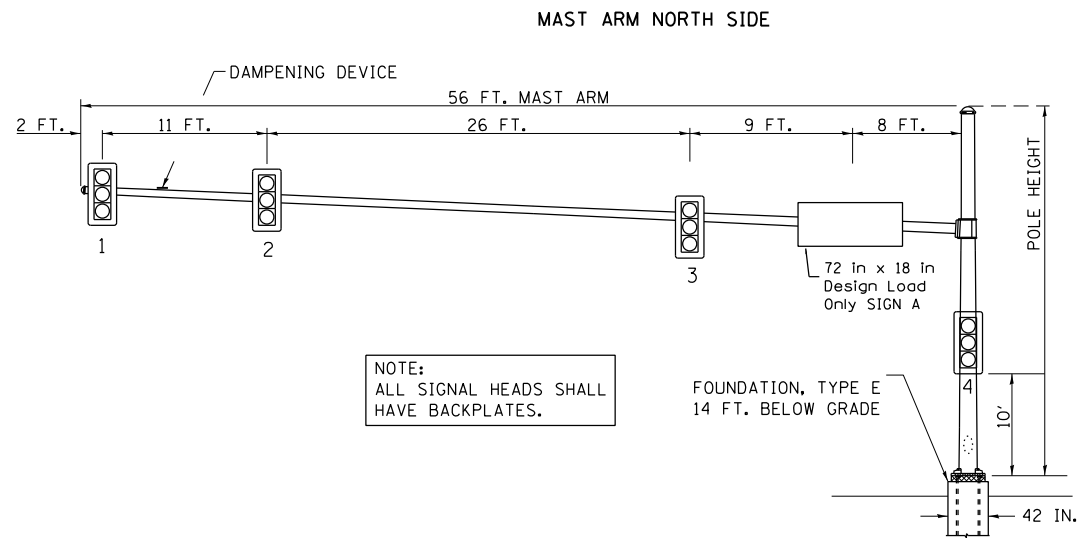


EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	← → ↑

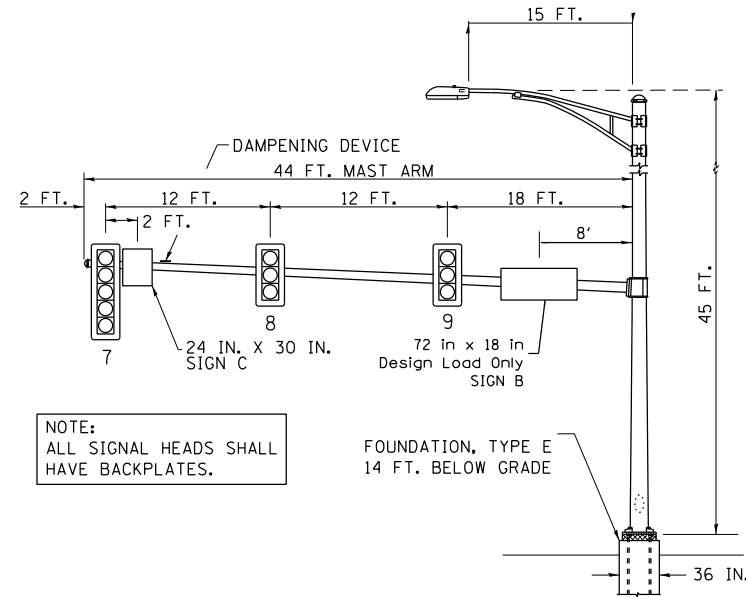
NOTIFY THE TRAFFIC SIGNAL SECTION AT (815) 434-8506 72 HOURS IN ADVANCE TO REDESIGN THE DETECTOR LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.

GAME FARM RD	UNIT	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	23
SIGN PANEL - TYPE 2	SO FT	15
SERVICE INSTALLATION, TYPE C	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	381
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	671
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	315
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	189
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO.10	FOOT	344
ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED	FOOT	549
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER, FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	557
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1011
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2274
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1306
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	2707
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	15
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	673
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE 56 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18
CONCRETE FOUNDATION, TYPE E 36 IN. DIAMETER	FOOT	28
CONCRETE FOUNDATION, TYPE E 42 IN. DIAMETER	FOOT	14
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	7
PREFORMED DETECTOR LOOP	FOOT	1298
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4238
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
RE-OPTIMIZE TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1



NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

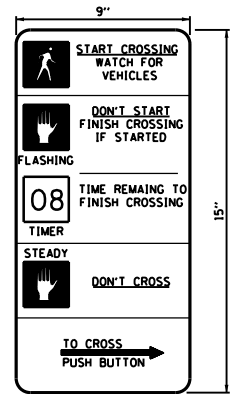
FOUNDATION, TYPE E
14 FT. BELOW GRADE



NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

FOUNDATION, TYPE E
14 FT. BELOW GRADE

PEDESTRIAN CROSSING SIGN DETAIL



THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN AT EACH EXISTING PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN SIGNAL HEAD PAY ITEM.

4 REQUIRED
DIMENSIONS: 9 IN. x 15 IN. (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: NON-REFLECTORIZED WHITE

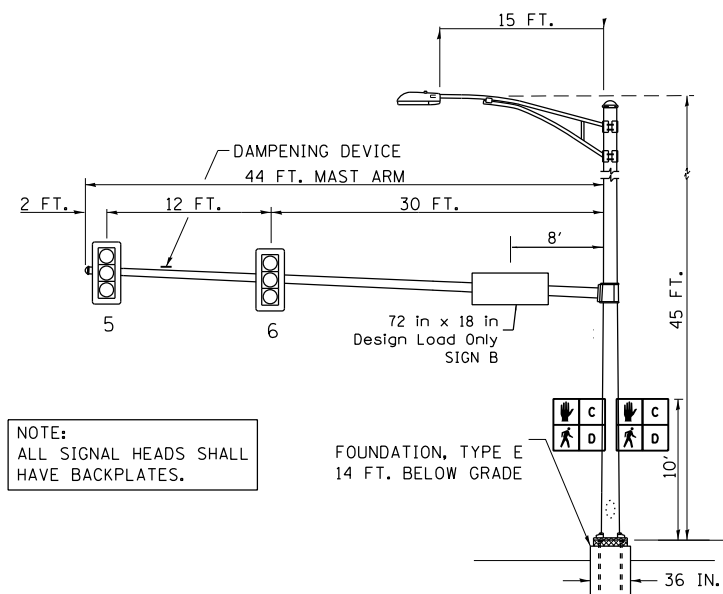
ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

• TYPE AP SHEETING REQUIRED

MAST ARM SOUTHEAST QUADRANT



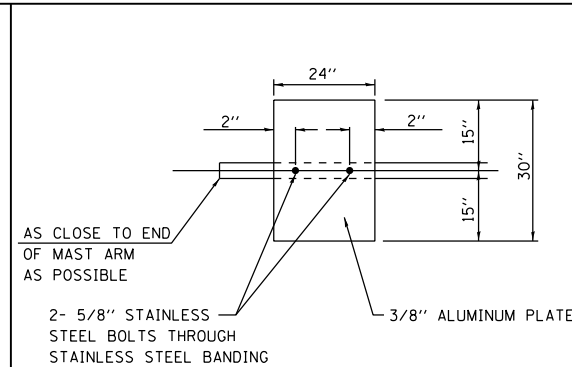
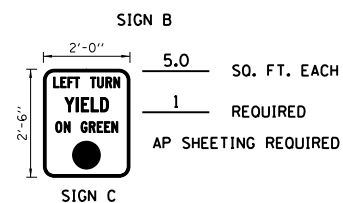
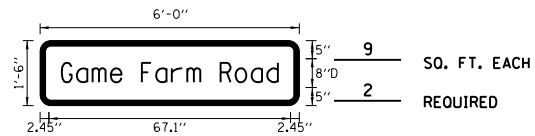
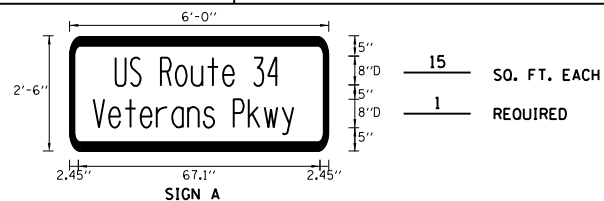
NOTE:
ALL SIGNAL HEADS SHALL
HAVE BACKPLATES.

FOUNDATION, TYPE E
14 FT. BELOW GRADE

SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

- STREET NAME SIGNS:
1. TYPE ZZ SHEETING REQUIRED
2. WHITE/GREEN BACKGROUND
3. STYLE (d) - 5/8 IN. BORDER
4. 8 IN. SERIES D LETTERS
5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



DAMPENING PLATE DETAIL
(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

ELECTRICAL LOAD CHART

US ROUTE 34 (VETERANS PARKWAY)			
INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	8	17	60
YELLOW	8	25	5
GREEN	8	15	35
YELLOW ARROW	2	12	5
GREEN ARROW	2	12	35
Hand icon	2	25	5
Hand icon	2	25	95

GAME FARM ROAD			
	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	5	11	85
YELLOW ARROW	5	10	5
GREEN ARROW	5	11	10
Hand icon	2	25	5
Hand icon	2	25	95

TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	100	100
INDUCTIVE LOOP DETECTOR	10	8.5	100
UNINTERRUPTABLE POWER SUPPLY	1	1700	100

HIGHWAY LIGHTING			
ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRES	2	400	50

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF YORKVILLE

•(13)R-2(13 BR)C, (13 BR-1)BRJ

FILE NAME =	USER NAME = braboypc	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM LOADING DIAGRAM
US 34 AND GAME FARM ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	*	KENDALL	533	284
				CONTRACT NO. 66993
ILLINOIS FED. AID PROJECT				

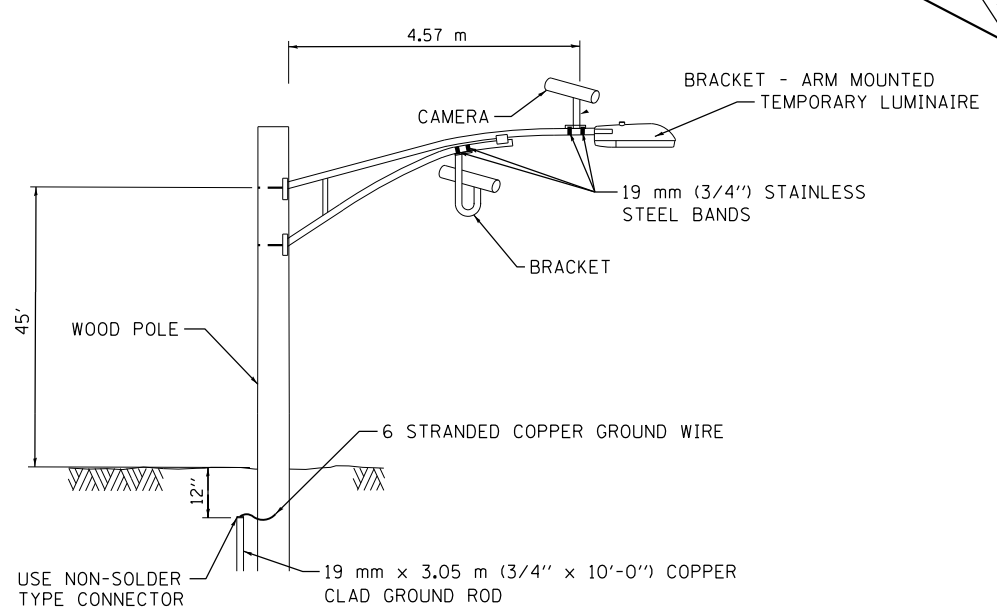
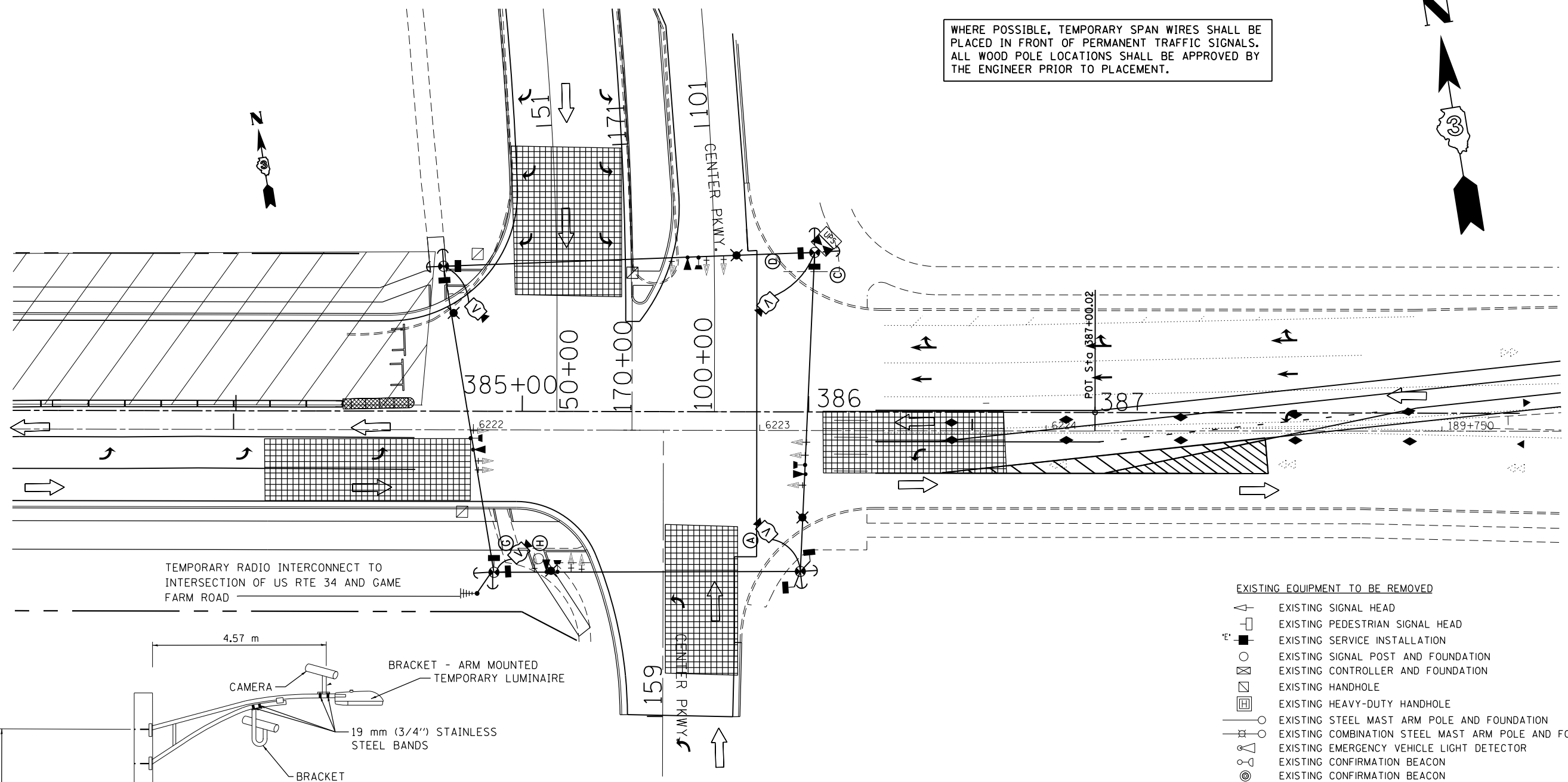
DETECTOR LOOP SCHEDULE, GAME FARM RD

APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	PREFORMED DETECTOR LOOP FOOT
WESTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	7	5	6.5'	30.5
	2	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
	3	6	PREFORMED DETECTOR LOOP	6'x6'	7	5	6.5'	30.5
	4	6	PREFORMED DETECTOR LOOP	6'x6'	20	5	6.5'	44
	5	6	PREFORMED DETECTOR LOOP	6'x6'	7	5	6.5'	30.5
	6	6	PREFORMED DETECTOR LOOP	6'x6'	19	5	6.5'	43
WESTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
	8	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
	9	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
	10	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
	11	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
	12	6	PREFORMED DETECTOR LOOP	6'x6'	31	5	6.5'	55
	13	6	PREFORMED DETECTOR LOOP	6'x6'	32	5	6.5'	56
NORTHBOUND LEFT	14	6	PREFORMED DETECTOR LOOP	6'x6'	32	25	6.5'	56
	15	6	PREFORMED DETECTOR LOOP	6'x6'	27	25	6.5'	51
	16	6	PREFORMED DETECTOR LOOP	6'x6'	21	25	6.5'	45
	17	6	PREFORMED DETECTOR LOOP	6'x6'	18	25	6.5'	42
	18	6	PREFORMED DETECTOR LOOP	6'x6'	17	25	6.5'	40.5
NORTHBOUND RIGHT	19	6	PREFORMED DETECTOR LOOP	6'x6'	22	25	6.5'	45.5
	20	6	PREFORMED DETECTOR LOOP	6'x6'	16	25	6.5'	40
	21	6	PREFORMED DETECTOR LOOP	6'x6'	9	25	6.5'	33
	22	6	PREFORMED DETECTOR LOOP	6'x6'	5	25	6.5'	29
	23	6	PREFORMED DETECTOR LOOP	6'x6'	14	25	6.5'	38
	24	6	PREFORMED DETECTOR LOOP	6'x6'	7	25	6.5'	31
	25	6	PREFORMED DETECTOR LOOP	6'x6'	8	25	6.5'	31.5
EASTBOUND THROUGH	26	6	PREFORMED DETECTOR LOOP	6'x6'	4	5	6.5'	28
	27	6	PREFORMED DETECTOR LOOP	6'x6'	15	5	6.5'	39
	28	6	PREFORMED DETECTOR LOOP	6'x6'	4	5	6.5'	28
	29	6	PREFORMED DETECTOR LOOP	6'x6'	15	5	6.5'	39
	30	6	PREFORMED DETECTOR LOOP	6'x6'	4	5	6.5'	27.5
	31	6	PREFORMED DETECTOR LOOP	6'x6'	16	5	6.5'	40
GRAND TOTAL								1298

•(13)R-2[(13 BR)C, (13 BR-1)BR]

ILLINOIS FED. AID PROJECT

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



- EXISTING EQUIPMENT TO BE REMOVED**
- EXISTING SIGNAL HEAD
 - EXISTING PEDESTRIAN SIGNAL HEAD
 - EXISTING SERVICE INSTALLATION
 - EXISTING SIGNAL POST AND FOUNDATION
 - EXISTING CONTROLLER AND FOUNDATION
 - EXISTING HANDHOLE
 - EXISTING HEAVY-DUTY HANDHOLE
 - EXISTING STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
 - EXISTING CONFIRMATION BEACON
 - EXISTING CONFIRMATION BEACON
- TEMPORARY TRAFFIC SIGNAL LEGEND**
- TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT MIN.
 - TEMPORARY CONTROLLER CABINET
 - TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
 - TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
 - TEMPORARY SERVICE INSTALLATION
 - TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - GUY WIRE
 - VIDEO CAMERA
 - RADIO INTERCONNECT ANTENNA
 - VIDEO DETECTION ZONE
 - TEMPORARY PAVEMENT
 - WORK ZONE

**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

•(13)R-2(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

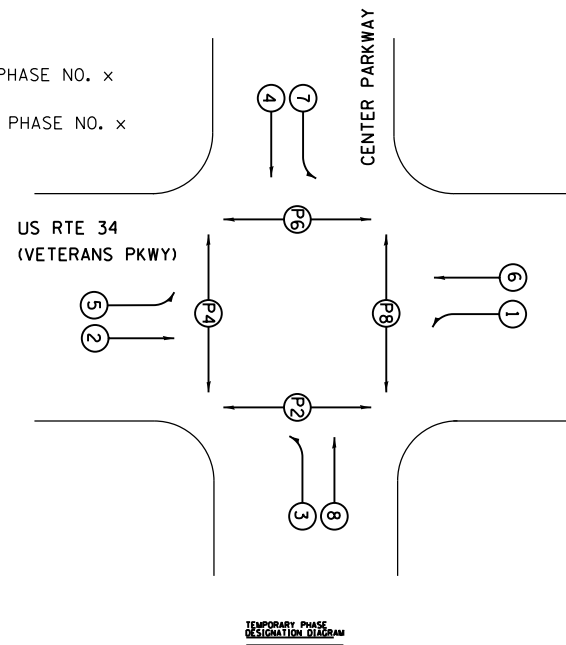
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IA - CENTER PKWY AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	286
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

LEGEND

- (X) VEHICULAR PHASE NO. x
- (Px) PEDESTRIAN PHASE NO. x

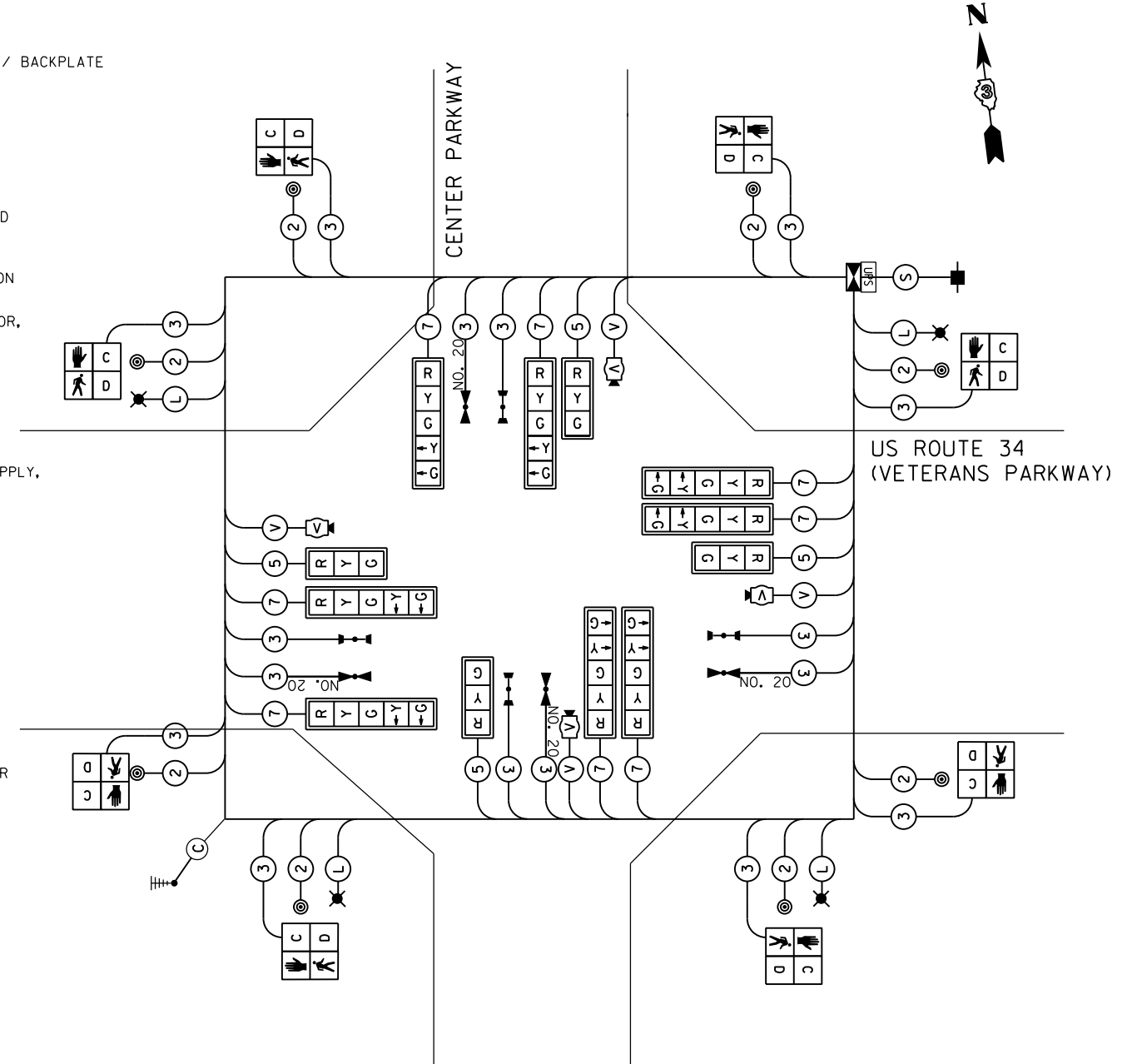


TEMPORARY CABLE DIAGRAM LEGEND

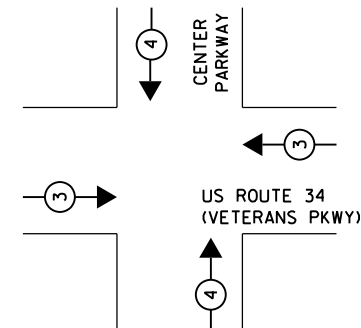
- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

- (V) **VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) **SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) **LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

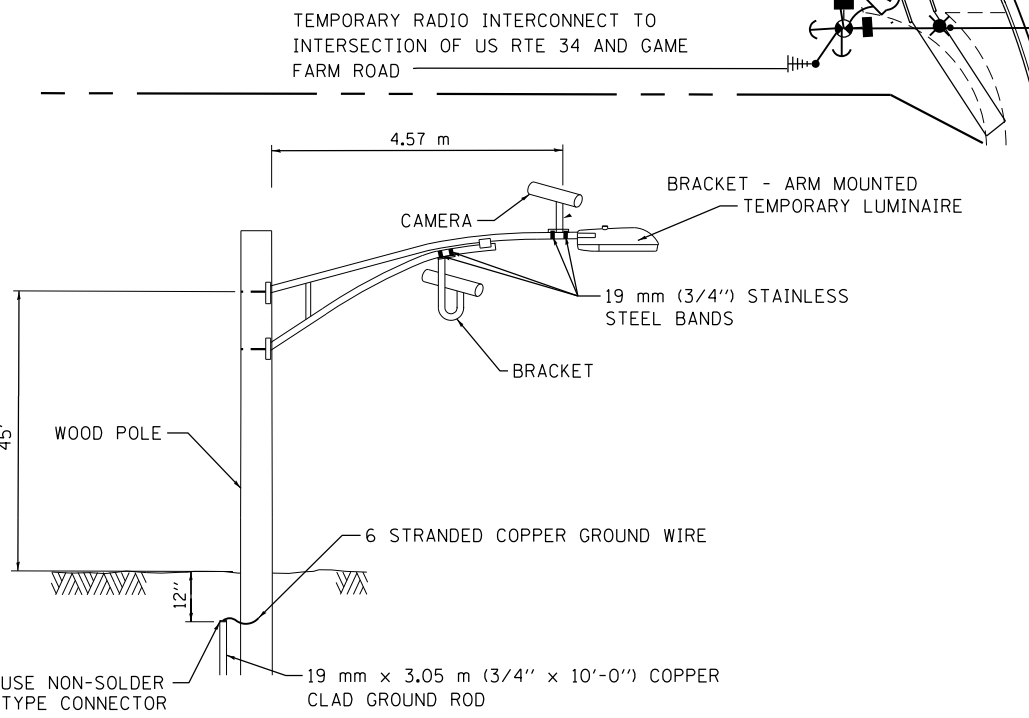
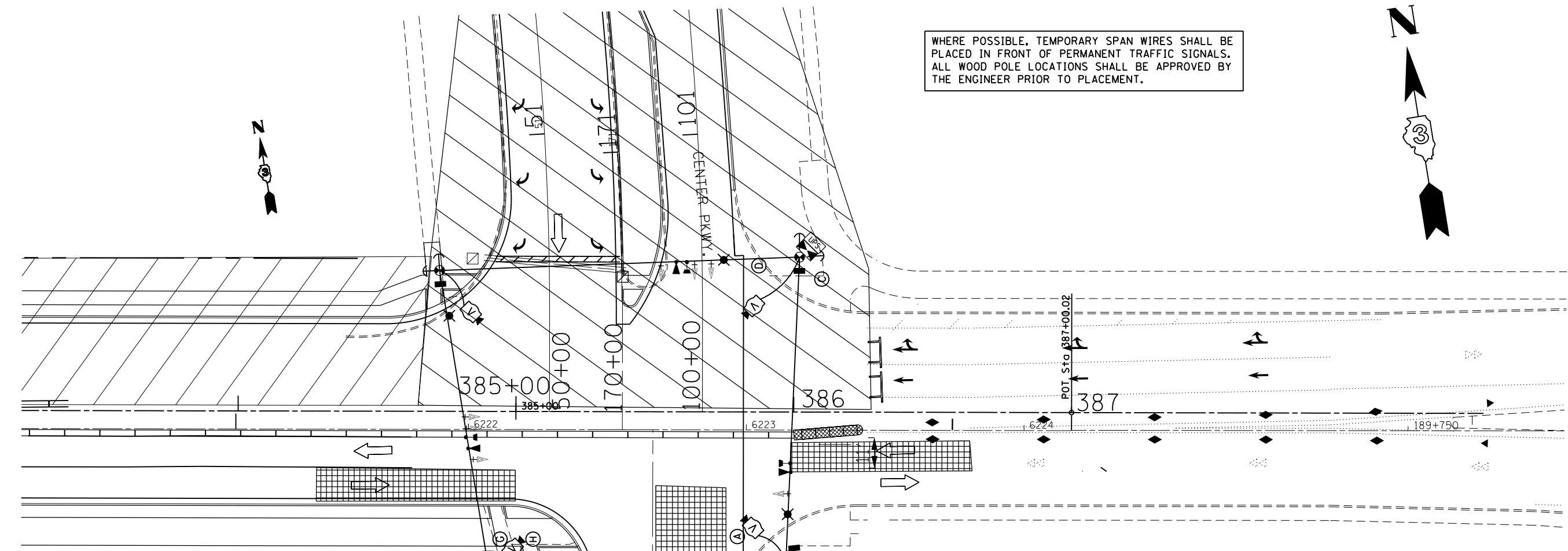


TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→ ←	↓ ↑



NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME

WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

- EXISTING EQUIPMENT TO BE REMOVED**
- EXISTING SIGNAL HEAD
 - EXISTING PEDESTRIAN SIGNAL HEAD
 - EXISTING SERVICE INSTALLATION
 - EXISTING SIGNAL POST AND FOUNDATION
 - EXISTING CONTROLLER AND FOUNDATION
 - EXISTING HANDHOLE
 - EXISTING HEAVY-DUTY HANDHOLE
 - EXISTING STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
 - EXISTING CONFIRMATION BEACON
 - EXISTING CONFIRMATION BEACON
- TEMPORARY TRAFFIC SIGNAL LEGEND**
- TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
 - TEMPORARY CONTROLLER CABINET
 - TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
 - TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
 - TEMPORARY SERVICE INSTALLATION
 - TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - GUY WIRE
 - VIDEO CAMERA
 - RADIO INTERCONNECT ANTENNA
 - VIDEO DETECTION ZONE
 - TEMPORARY PAVEMENT
 - WORK ZONE

•(13)R-2(13 BR)C, (13 BR-1)BR)

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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IB - CENTER PKWY AND US 34**

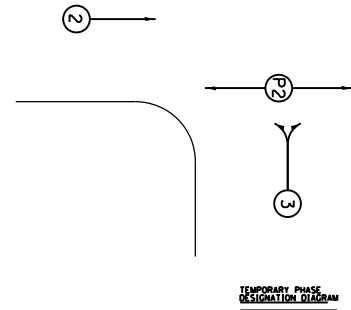
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	288
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

LEGEND

- (X) VEHICULAR PHASE NO. x
- (Px) PEDESTRIAN PHASE NO. x

US RTE 34
(VETERANS PKWY)



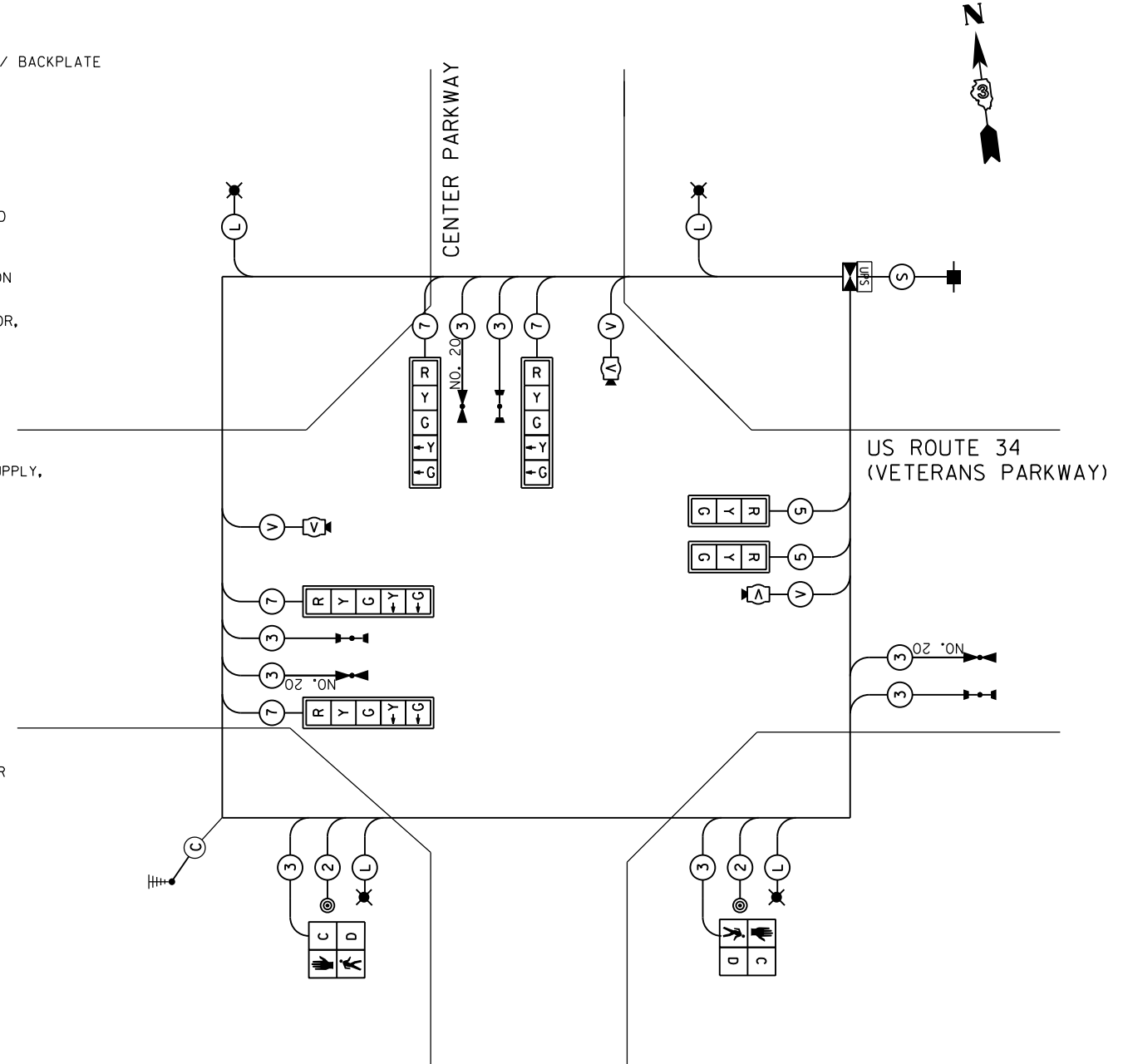
TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

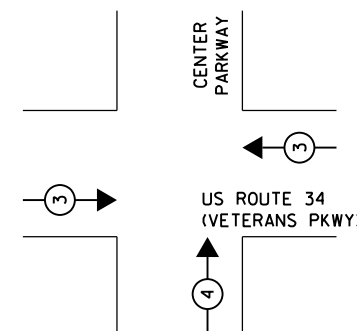
- (V) **VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) **SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) **LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↑

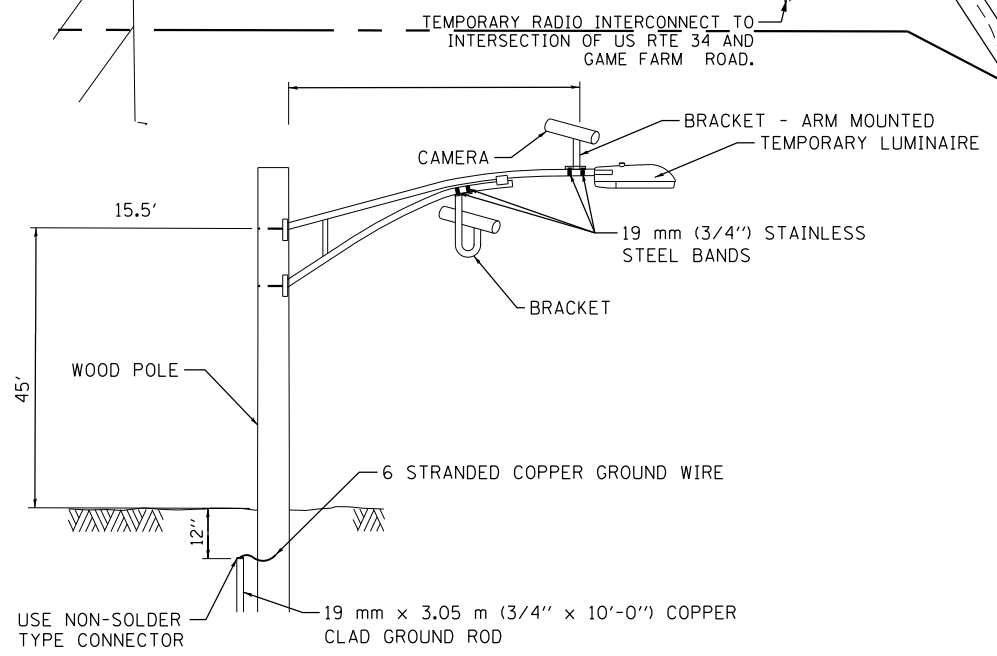
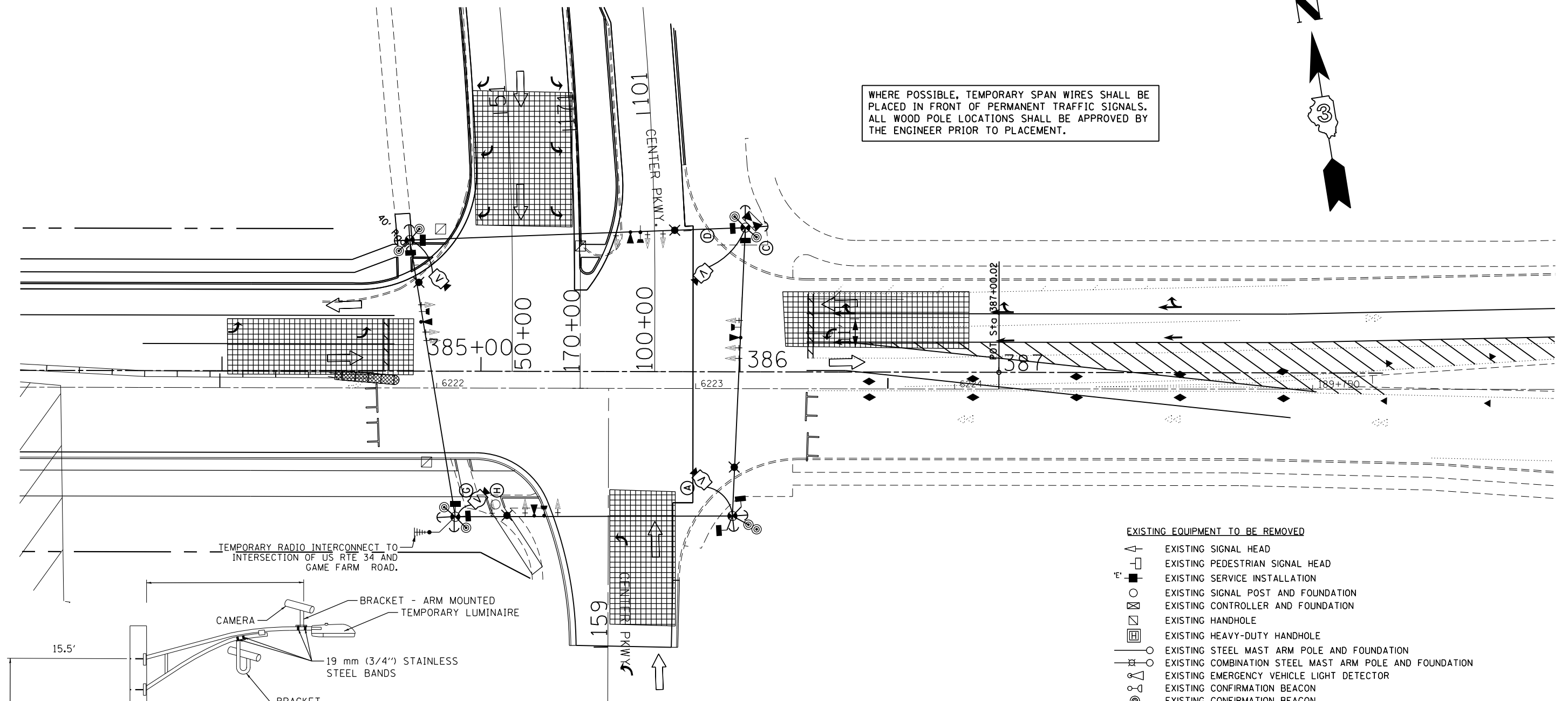


EMERGENCY VEHICLE PREEMPTION SEQUENCE

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



VIDEO DETECTION SYSTEM INSTALLATION DETAILS

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

- EXISTING EQUIPMENT TO BE REMOVED**
- ▲ EXISTING SIGNAL HEAD
 - ◻ EXISTING PEDESTRIAN SIGNAL HEAD
 - EXISTING SERVICE INSTALLATION
 - EXISTING SIGNAL POST AND FOUNDATION
 - ⊠ EXISTING CONTROLLER AND FOUNDATION
 - ⊞ EXISTING HANDHOLE
 - ⊞ EXISTING HEAVY-DUTY HANDHOLE
 - EXISTING STEEL MAST ARM POLE AND FOUNDATION
 - ⊞ EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
 - ⊞ EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
 - ⊞ EXISTING CONFIRMATION BEACON
 - ⊞ EXISTING CONFIRMATION BEACON
- TEMPORARY TRAFFIC SIGNAL LEGEND**
- ▲ TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY TRAFFIC SIGNAL HEAD
 - ⊞ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
 - ⊞ TEMPORARY CONTROLLER CABINET
 - ⊞ TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
 - ⊞ TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
 - ⊞ TEMPORARY SERVICE INSTALLATION
 - ⊞ TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
 - ⊞ EMERGENCY VEHICLE LIGHT DETECTOR
 - ⊞ CONFIRMATION BEACON
 - ⊞ GUY WIRE
 - ⊞ VIDEO CAMERA
 - ⊞ RADIO INTERCONNECT ANTENNA
 - ⊞ VIDEO DETECTION ZONE
 - ⊞ TEMPORARY PAVEMENT
 - ⊞ WORK ZONE

•(13)R-2[(13 BR)C, (13 BR-1)BR]

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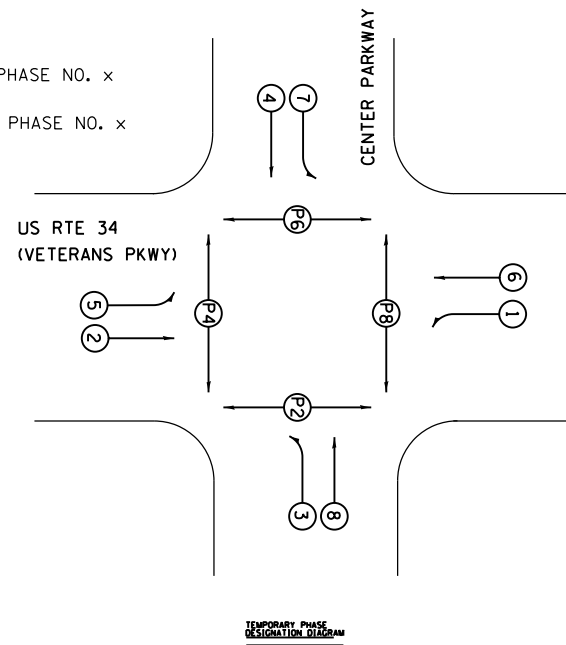
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN			
STAGE IIA - CENTER PKWY AND US 34			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	•	KENDALL	533	290
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

LEGEND

- (X) VEHICULAR PHASE NO. x
- (Px) PEDESTRIAN PHASE NO. x

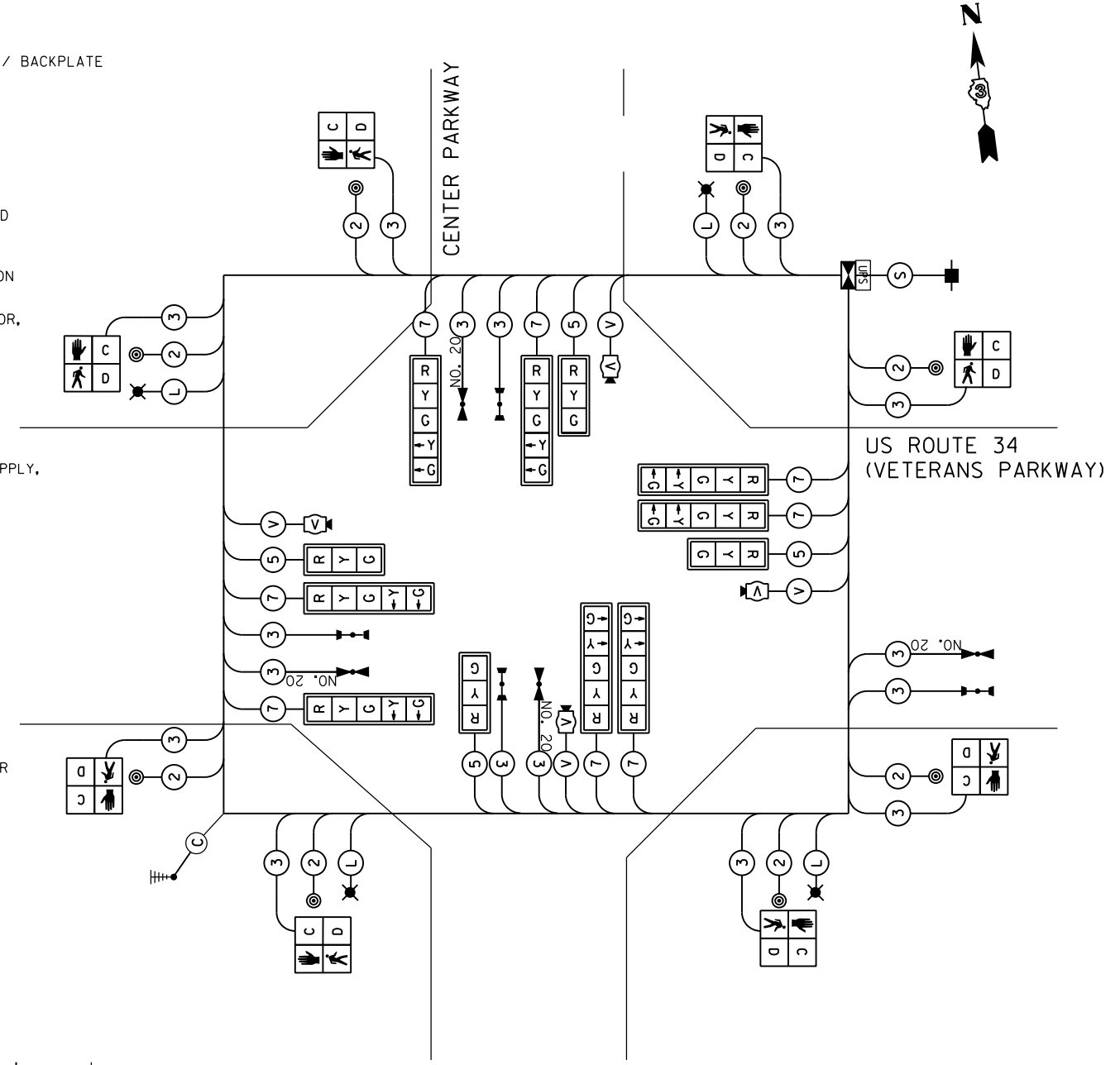


TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- VIDEO DETECTION SYSTEM
- TEMPORARY PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
- TEMPORARY PEDESTRIAN PUSH BUTTON
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 400 WATT HPS
- LIGHT DETECTOR
- CONFIRMATION BEACON
- TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED

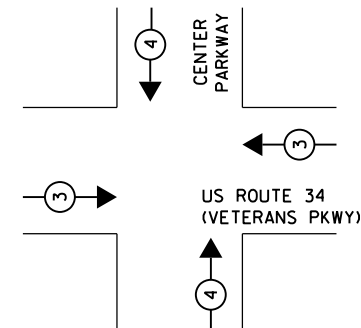
- (V) **VIDEO CAMERA CABLE**
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA

OVERALL SHIELD MINIMUM 16AWG (PAIRS)
(TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) **SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) **LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10



TEMPORARY CABLE DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→ ←	↓ ↑

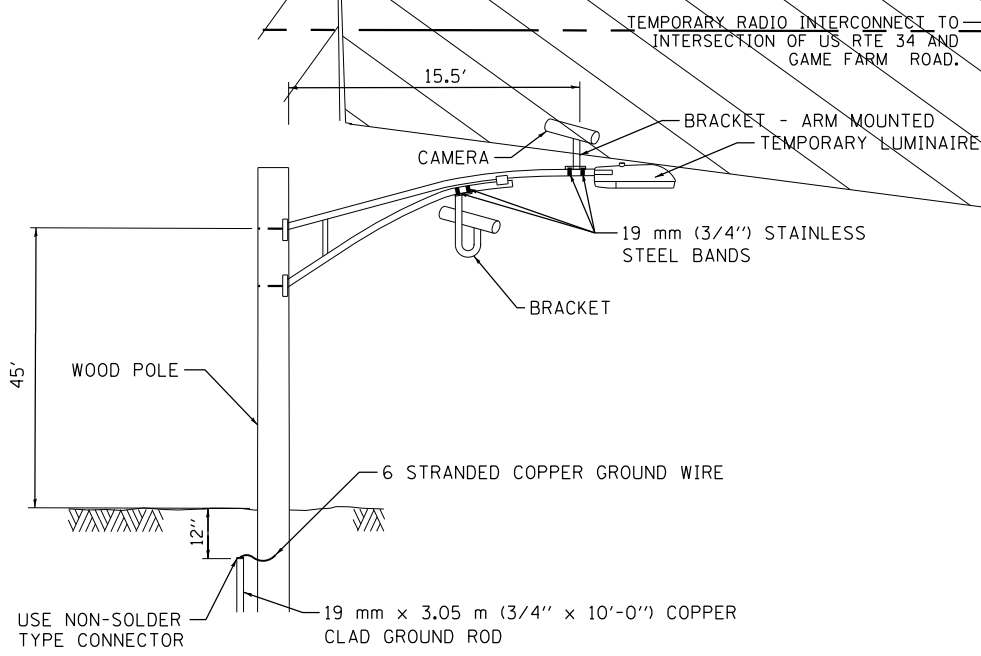
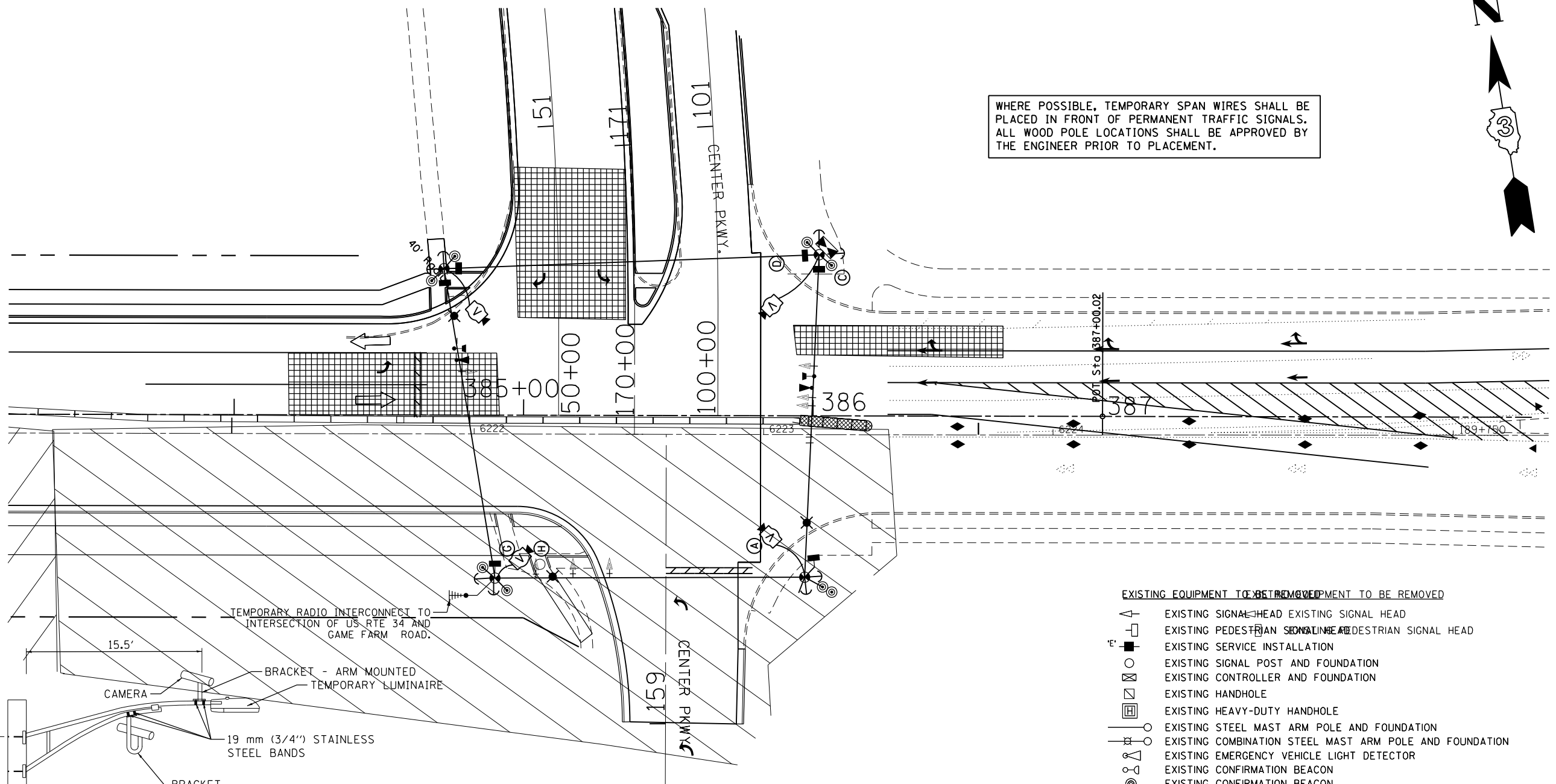


EMERGENCY VEHICLE PREEMPTION SEQUENCE

NOTE:
FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.



- EXISTING EQUIPMENT TO BE REMOVED**
- EXISTING SIGNAL HEAD
 - EXISTING PEDESTRIAN SIGNAL HEAD
 - EXISTING SERVICE INSTALLATION
 - EXISTING SIGNAL POST AND FOUNDATION
 - EXISTING CONTROLLER AND FOUNDATION
 - EXISTING HANDHOLE
 - EXISTING HEAVY-DUTY HANDHOLE
 - EXISTING STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING COMBINATION STEEL MAST ARM POLE AND FOUNDATION
 - EXISTING EMERGENCY VEHICLE LIGHT DETECTOR
 - EXISTING CONFIRMATION BEACON
 - EXISTING CONFIRMATION BEACON
- TEMPORARY TRAFFIC SIGNAL LEGEND**
- TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY TRAFFIC SIGNAL HEAD
 - TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FT. MIN.
 - TEMPORARY CONTROLLER CABINET
 - TEMPORARY UNINTERRUPTIBLE POWER SUPPLY, EXTENDED
 - TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
 - TEMPORARY SERVICE INSTALLATION
 - TEMPORARY LUMINAIRE 400W HPS WITH 15' MAST ARM
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - CONFIRMATION BEACON
 - GUY WIRE
 - VIDEO CAMERA
 - RADIO INTERCONNECT ANTENNA
 - VIDEO DETECTION ZONE
 - TEMPORARY PAVEMENT
 - WORK ZONE

**VIDEO DETECTION SYSTEM
INSTALLATION DETAILS**

NOTE: CAMERA CAN BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION TO ALIGN HORIZON AT HORIZONTAL PLANE.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

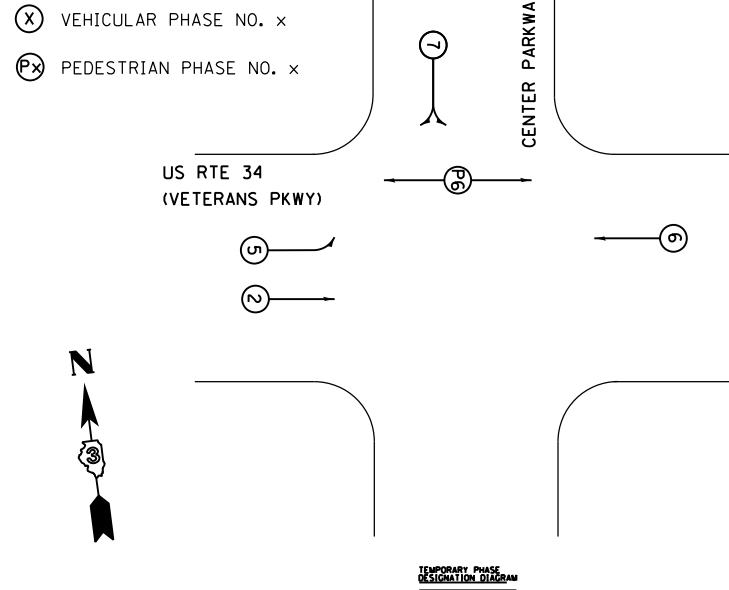
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE IIB - CENTER PKWY AND US 34**

SCALE: SHEET OF SHEETS STA. TO STA.

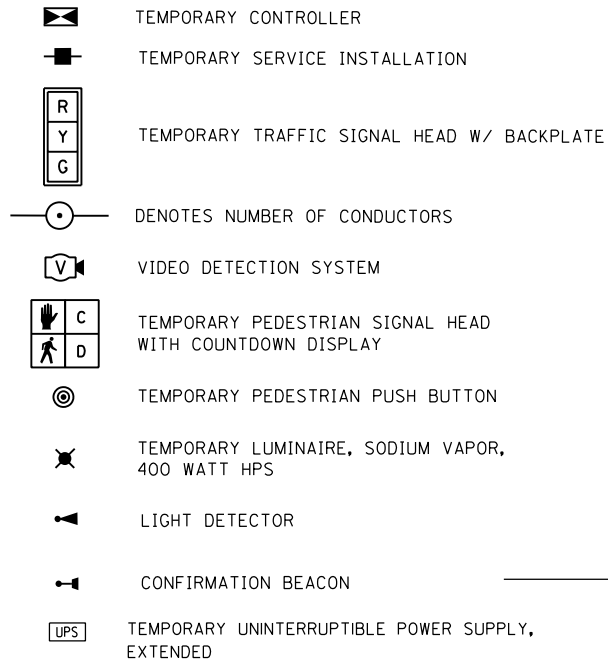
F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		.	KENDALL	533	292
CONTRACT NO. 66993					
ILLINOIS FED. AID PROJECT					

•(13)R-2[(13 BR)C, (13 BR-1)BR]

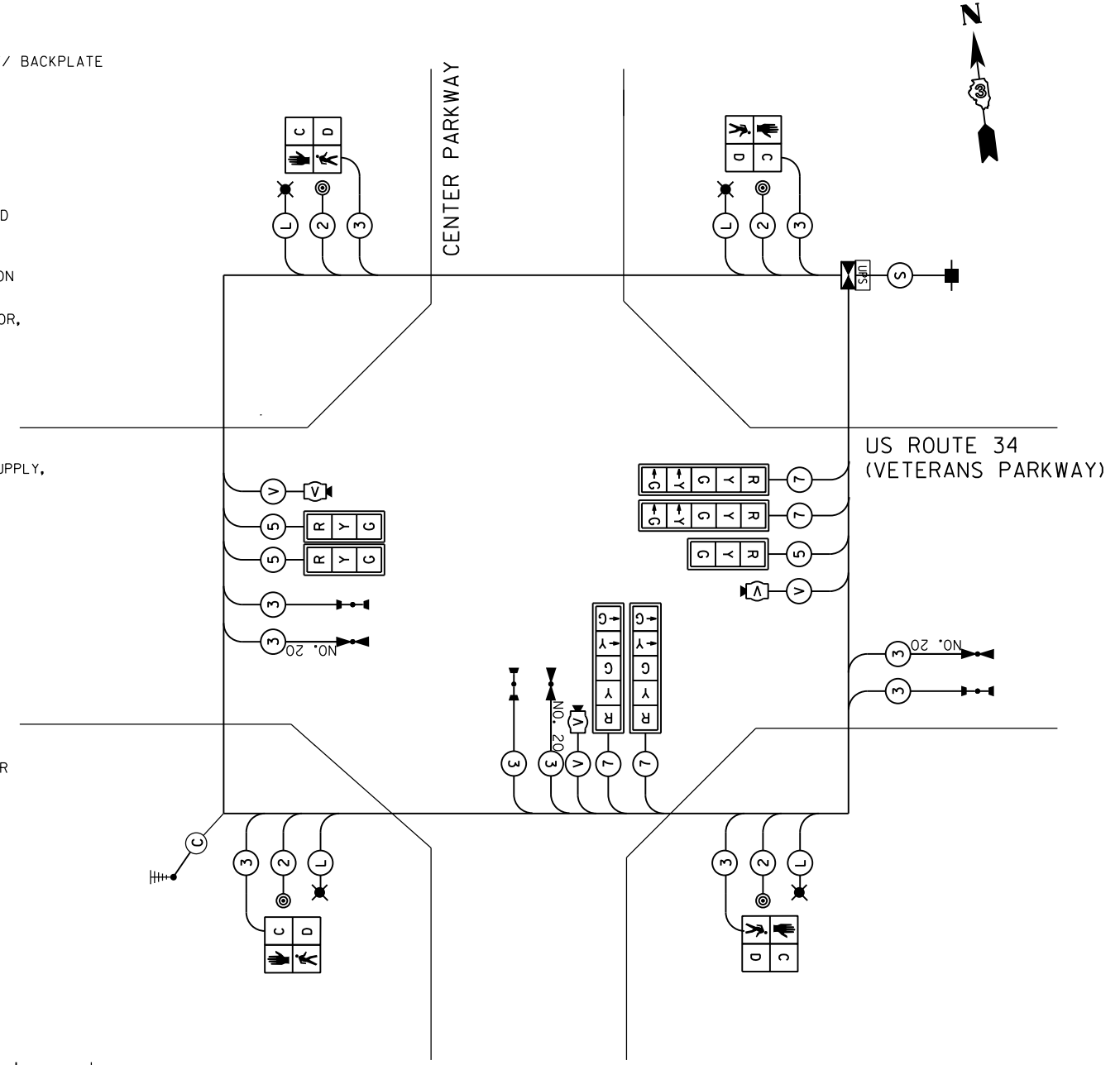
LEGEND



TEMPORARY CABLE DIAGRAM LEGEND

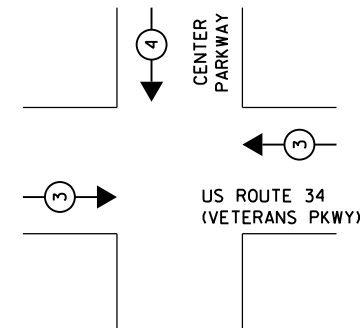


- (V) **VIDEO CAMERA CABLE**
 6 PAIRS, TWISTED REQUIRED
 3 PAIRS CONDUCTOR FOR POWER - 24V AC (AC+, AC-, GND)
 1 PAIR DATA
 1 PAIR COMPOSITE VIDEO
 1 PAIR DETECTOR DATA
 OVERALL SHIELD MINIMUM 16AWG (PAIRS) (TO BE INCLUDED IN THE BID PRICE FOR VEHICLE VIDEO DETECTION SYSTEM)
- (S) **SERVICE CABLE**
 ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (L) **LIGHTING CABLE**
 600V (XLP-TYPE USE) 3 - 1/C NO.10



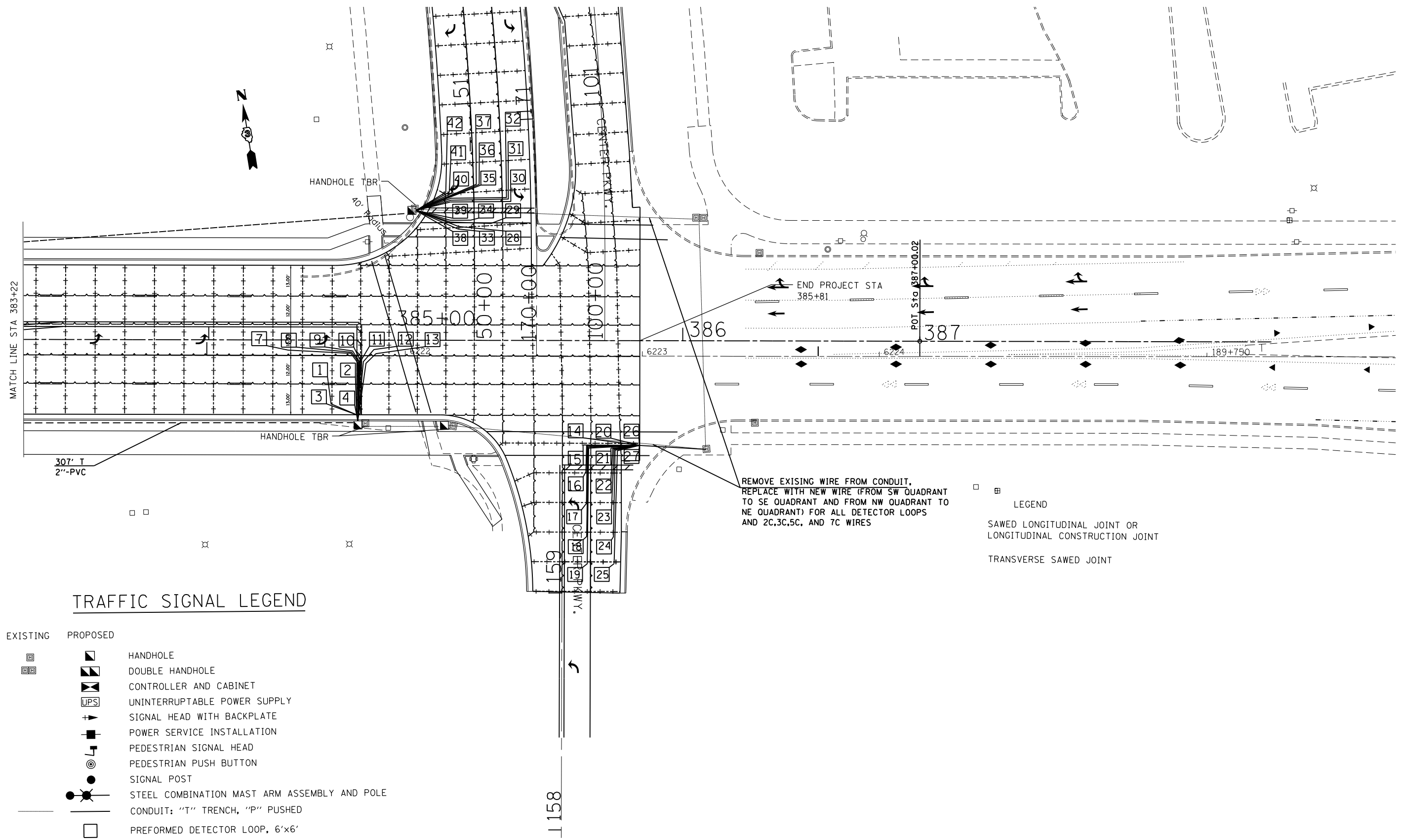
TEMPORARY CABLE DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↓



EMERGENCY VEHICLE PREEMPTION SEQUENCE

NOTE:
 FOR SPLIT PHASE TIMING ON ANY ROAD, THE YELLOW ARROW TIME SHALL BE THE SAME LENGTH OF TIME AS THE YELLOW BALL TIME



TRAFFIC SIGNAL LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--|
| | | HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | CONTROLLER AND CABINET |
| | | UNINTERRUPTABLE POWER SUPPLY |
| | | SIGNAL HEAD WITH BACKPLATE |
| | | POWER SERVICE INSTALLATION |
| | | PEDESTRIAN SIGNAL HEAD |
| | | PEDESTRIAN PUSH BUTTON |
| | | SIGNAL POST |
| | | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE |
| | | CONDUIT: "T" TRENCH, "P" PUSHED |
| | | PREFORMED DETECTOR LOOP, 6'x6' |

- LEGEND**
- SAWED LONGITUDINAL JOINT OR LONGITUDINAL CONSTRUCTION JOINT
 - TRANSVERSE SAWED JOINT

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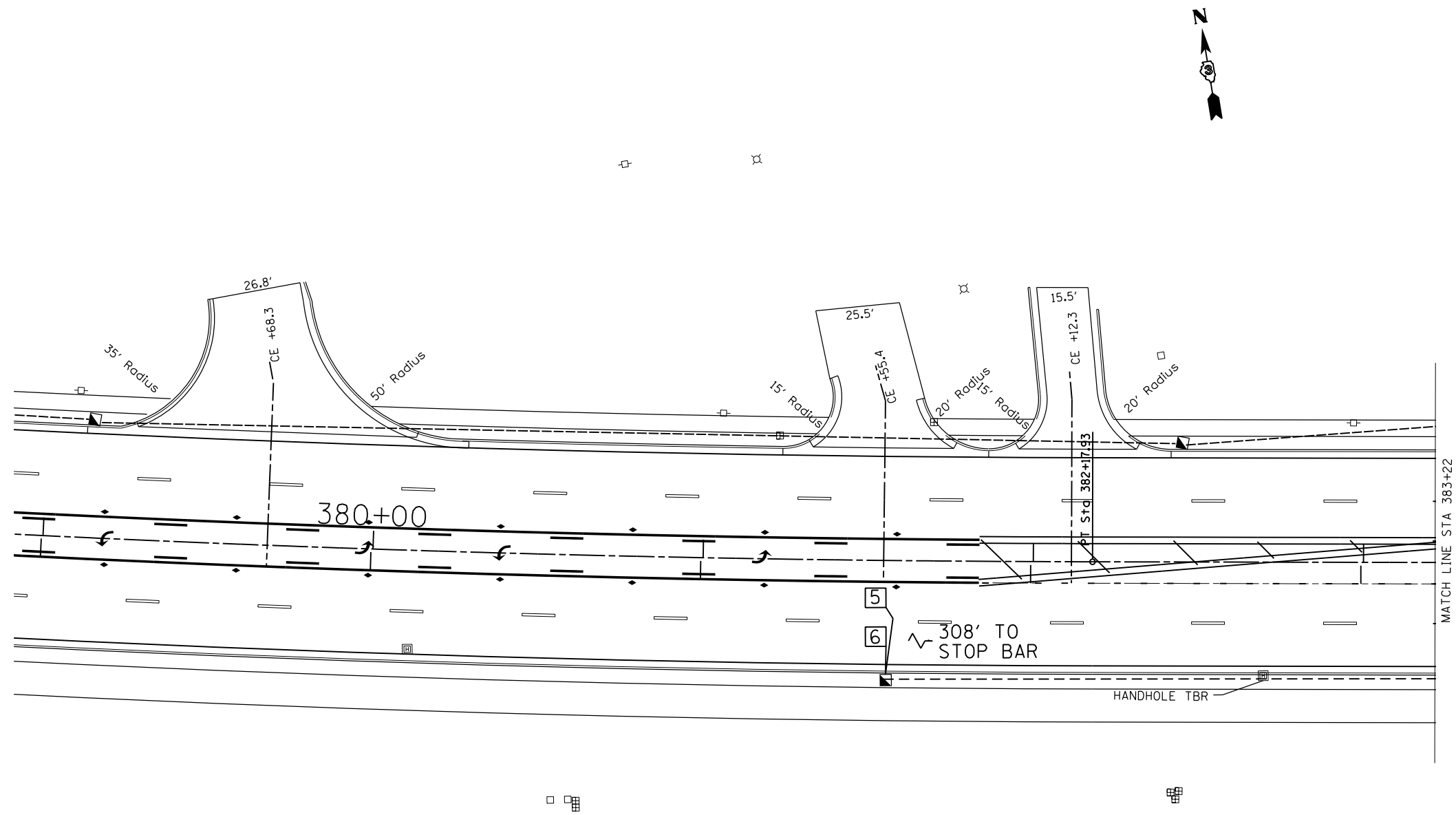
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTER PARKWAY TRAFFIC SIGNAL SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

•(13)R-2[(13 BR)C, (13 BR-1)BR]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	294
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



•(13)R-2(13 BR)C, (13 BR-1)BRJ

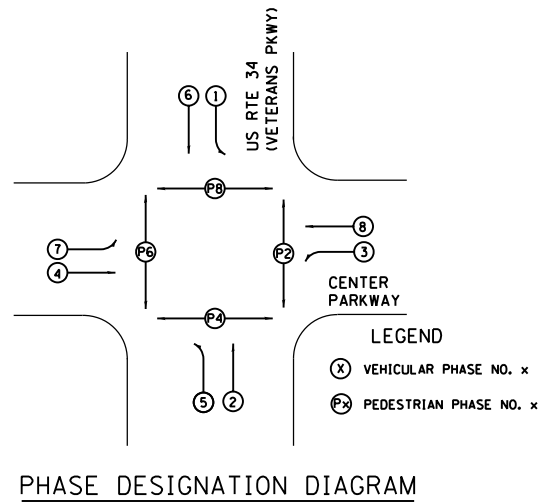
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CENTER PARKWAY TRAFFIC SIGNAL SHEET

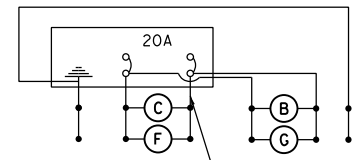
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				



PROPOSED CABLE DIAGRAM LEGEND

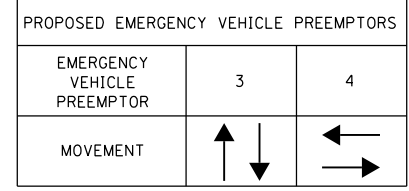
- EXISTING (DO NOT DISTURB) PROPOSED
- TRAFFIC CONTROLLER AND CABINET
 - LIGHTING CONTROLLER AND CABINET
 - SERVICE INSTALLATION
 - TRAFFIC SIGNAL HEAD WITH BACKPLATE
 - DENOTES NUMBER OF CONDUCTORS
 - LUMINAIRE, SODIUM VAPOR, 250 WATT
 - PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN DISPLAY
 - PEDESTRIAN PUSH BUTTON
 - DETECTOR LOOP
 - DETECTOR LOOP SYSTEM
 - GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
 - GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
 - GROUND ROD AT ELECTRIC SERVICE INSTALLATION
 - GROUND ROD AT CONTROLLER
 - LIGHT DETECTOR
 - CONFIRMATION BEACON



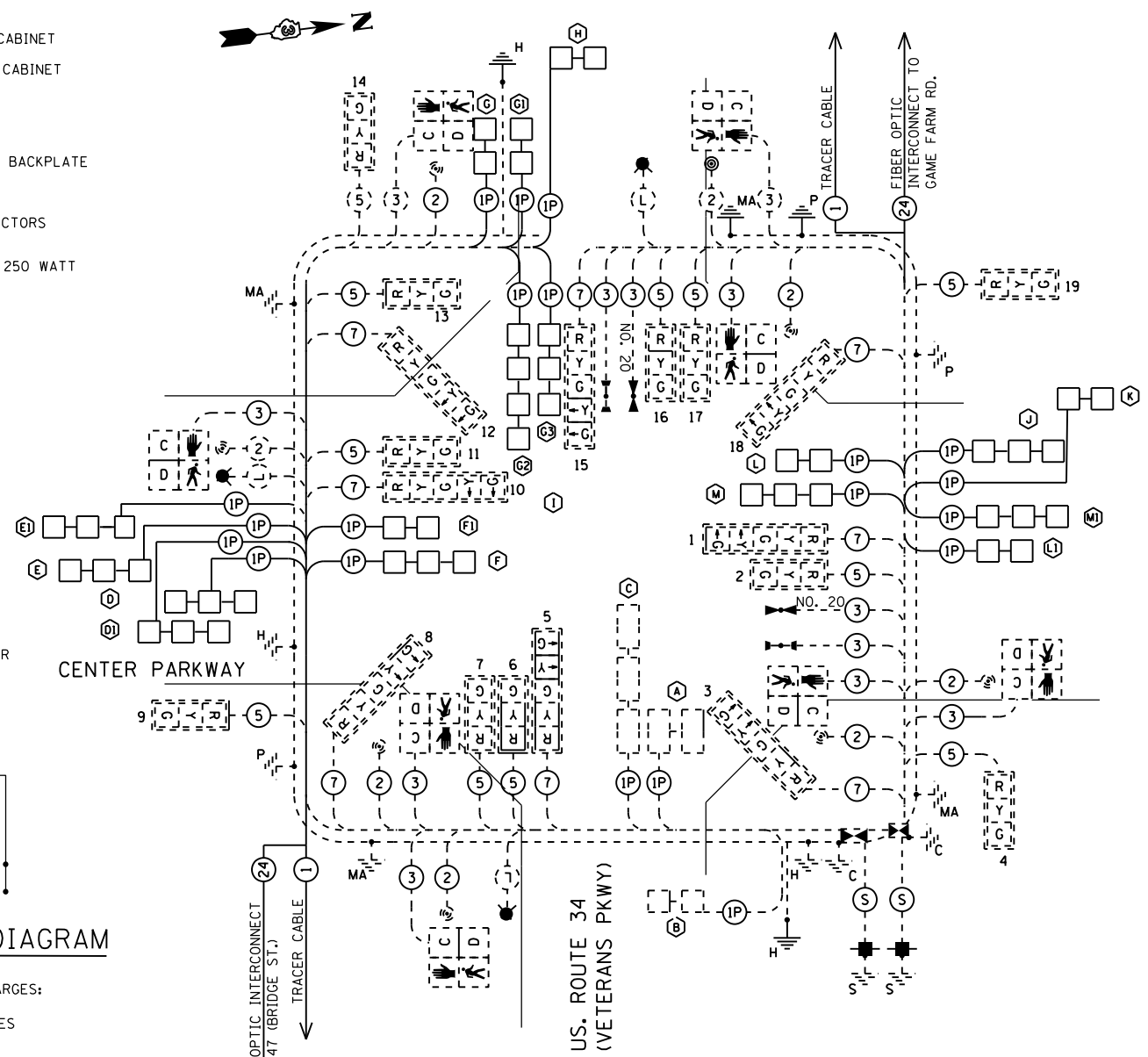
LIGHTING CIRCUIT DIAGRAM

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF YORKVILLE
CONTRACTOR PAYS ALL ENERGY CHARGES
UNTIL PROJECT IS ACCEPTED

- (S) SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT,
SERVICE, NO. 6 2C
- (L) LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO. 10



EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE DIAGRAM

SHOWING THE NEW PREFORMED DETECTOR LOOPS
NO OTHER WORK EXCEPT FOR THE PREFORMED DETECTOR LOOPS
FOR THE NORTH, SOUTH, AND WEST LEGS OF INTERSECTION

NOTIFY THE TRAFFIC SIGNAL SECTION AT (815) 434-8506
72 HOURS IN ADVANCE TO REDESIGN THE DETECTOR
LOOPS, IF POSSIBLE, TO AVOID CONSTRUCTION JOINTS.

CENTER PARKWAY	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	303
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	3411
REMOVE EXISTING HANDHOLE	EACH	4
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	281
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	559
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	725
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	882
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	586
PREFORMED DETECTOR LOOP	FOOT	2317
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RE-OPTIMIZE TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
LOOP DETECTOR TESTING	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3429

•(13)R-2[(13 BR)C, (13 BR-1)BR]

FILE NAME =	USER NAME = woodger_jp	DESIGNED -	REVISED -
p:\1\084EBID\INTEG.11\inois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\EP03507\Drawings\EP03507-sht-Signals\CenterPkwy		CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, FOR THE NEW PREFORMED DETECTOR LOOPS
US 34 AND CENTER PKWY

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	296
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP SCHEDULE, CENTER PKWY

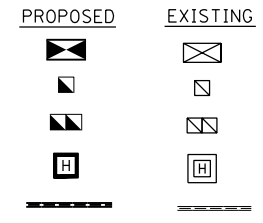
APPROACH	DETECTOR ID NUMBER	TURNS	PAY ITEM NAME	LOOP DIMENSIONS	LOOP TO EOP	LEAD-IN WIRE EOP TO HANDHOLE	SLACK	PREFORMED DETECTOR LOOP FOOT
EASTBOUND THROUGH	1	6	PREFORMED DETECTOR LOOP	6'x6'	23	8	13'	47
	2	6	PREFORMED DETECTOR LOOP	6'x6'	16	8	13'	40
	3	6	PREFORMED DETECTOR LOOP	6'x6'	14	8	13'	38
	4	6	PREFORMED DETECTOR LOOP	6'x6'	4	8	13'	28
	5	6	PREFORMED DETECTOR LOOP	6'x6'	18	8	6.5'	42
	6	6	PREFORMED DETECTOR LOOP	6'x6'	6	8	6.5'	29.5
EASTBOUND LEFT	7	6	PREFORMED DETECTOR LOOP	6'x6'	62	8	13'	86
	8	6	PREFORMED DETECTOR LOOP	6'x6'	51	8	13'	75
	9	6	PREFORMED DETECTOR LOOP	6'x6'	40	8	13'	64
	10	6	PREFORMED DETECTOR LOOP	6'x6'	29	8	13'	52.5
	11	6	PREFORMED DETECTOR LOOP	6'x6'	30	8	13'	54
	12	6	PREFORMED DETECTOR LOOP	6'x6'	40	8	13'	64
	13	6	PREFORMED DETECTOR LOOP	6'x6'	49	8	13'	73
NORTHBOUND LEFT	14	6	PREFORMED DETECTOR LOOP	6'x6'	24	15	13'	48
	15	6	PREFORMED DETECTOR LOOP	6'x6'	26	15	13'	50
	16	6	PREFORMED DETECTOR LOOP	6'x6'	36	15	13'	60
	17	6	PREFORMED DETECTOR LOOP	6'x6'	50	15	13'	74
	18	6	PREFORMED DETECTOR LOOP	6'x6'	61	15	13'	85
	19	6	PREFORMED DETECTOR LOOP	6'x6'	73	15	13'	97
NORTHBOUND THROUGH+ RIGHT	20	6	PREFORMED DETECTOR LOOP	6'x6'	12	15	13'	36
	21	6	PREFORMED DETECTOR LOOP	6'x6'	13	15	13'	37
	22	6	PREFORMED DETECTOR LOOP	6'x6'	24	15	13'	48
	23	6	PREFORMED DETECTOR LOOP	6'x6'	36	15	13'	60
	24	6	PREFORMED DETECTOR LOOP	6'x6'	49	15	13'	73
	25	6	PREFORMED DETECTOR LOOP	6'x6'	60	15	13'	84
	26	6	PREFORMED DETECTOR LOOP	6'x6'	3	15	13'	27
	27	6	PREFORMED DETECTOR LOOP	6'x6'	2	15	13'	26
SOUTHBOUND LEFT	28	6	PREFORMED DETECTOR LOOP	6'x6'	35	25	13'	58.5
	29	6	PREFORMED DETECTOR LOOP	6'x6'	35	25	13'	59
	30	6	PREFORMED DETECTOR LOOP	6'x6'	42	25	13'	66
	31	6	PREFORMED DETECTOR LOOP	6'x6'	51	25	13'	75
	32	6	PREFORMED DETECTOR LOOP	6'x6'	62	42	13'	86
SOUTHBOUND THROUGH	33	6	PREFORMED DETECTOR LOOP	6'x6'	24	25	13'	48
	34	6	PREFORMED DETECTOR LOOP	6'x6'	23	25	13'	47
	35	6	PREFORMED DETECTOR LOOP	6'x6'	22	25	13'	46
	36	6	PREFORMED DETECTOR LOOP	6'x6'	33	25	13'	57
	37	6	PREFORMED DETECTOR LOOP	6'x6'	44	25	13'	68
SOUTHBOUND RIGHT	38	6	PREFORMED DETECTOR LOOP	6'x6'	13	25	13'	37
	39	6	PREFORMED DETECTOR LOOP	6'x6'	11	25	13'	35
	40	6	PREFORMED DETECTOR LOOP	6'x6'	12	25	13'	36
	41	6	PREFORMED DETECTOR LOOP	6'x6'	21	25	13'	45
	42	6	PREFORMED DETECTOR LOOP	6'x6'	32	25	13'	56
GRAND TOTAL								2317.5

•(13)R-2[(13 BR)C, (13 BR-1)BR]

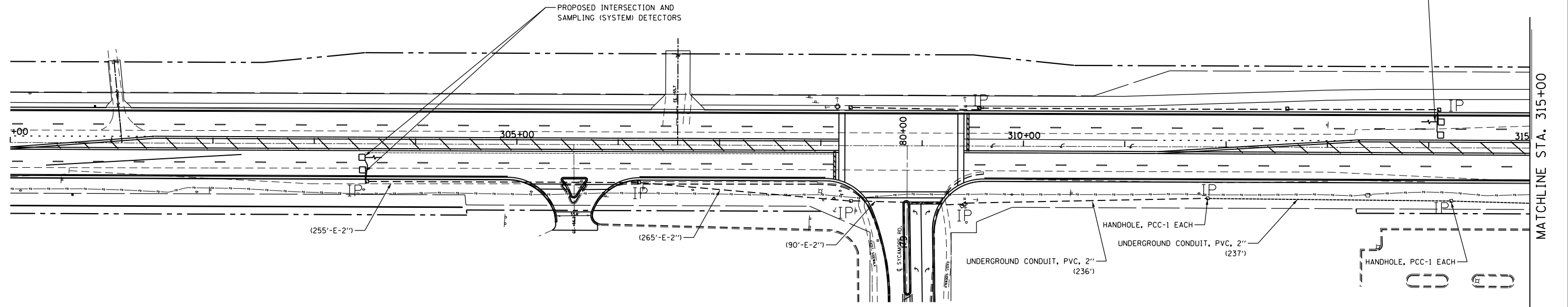
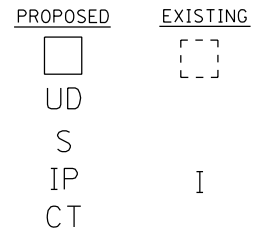
FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP SCHEDULE US 34 AND CENTER PKWY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\EP03507-2\Drawings\EP03507-2\CenterPkwy	DESIGNED -	REVISED -	591			*	KENDALL	533	297	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 66993							
Default	PLOT DATE = 2/1/2017	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

INTERCONNECT PLAN LEGEND

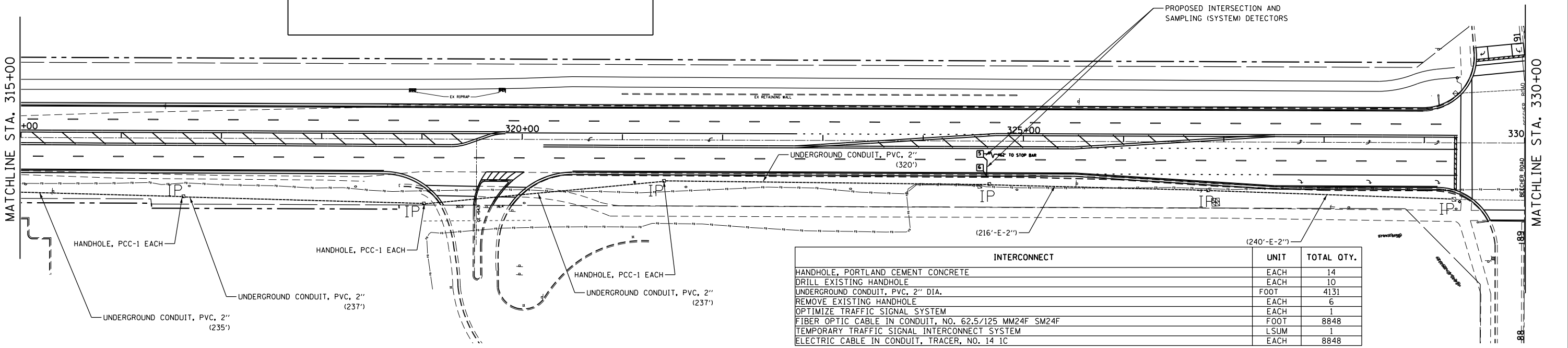
CONTROLLER
HANDHOLE
DOUBLE HANDHOLE
HEAVY DUTY HANDHOLE
G.S. CONDUIT IN TRENCH (T)
OR PUSHED (P)



DETECTOR LOOP
UNIT DUCT
SYSTEM
INTERSECTION
COMMON TRENCH



NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
—(232'-E-2'') this means 232' of fiber optic and tracer wire in existing conduit



INTERCONNECT		UNIT	TOTAL QTY.
HANDHOLE, PORTLAND CEMENT CONCRETE		EACH	14
DRILL EXISTING HANDHOLE		EACH	10
UNDERGROUND CONDUIT, PVC, 2" DIA.		FOOT	4131
REMOVE EXISTING HANDHOLE		EACH	6
OPTIMIZE TRAFFIC SIGNAL SYSTEM		EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM24F SM24F		FOOT	8848
TEMPORARY TRAFFIC SIGNAL INTERCONNECT SYSTEM		LSUM	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C		EACH	8848

To avoid duplication, the handholes and conduit paid for here do not include the new handholes and conduit accounted for under each intersections Bill of Materials

*(13)R-2(13 BR)C, (13 BR-1)BR)

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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

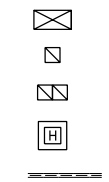
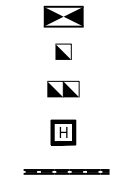
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	298
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

INTERCONNECT PLAN LEGEND

CONTROLLER
HANDHOLE
DOUBLE HANDHOLE
HEAVY DUTY HANDHOLE
G.S. CONDUIT IN TRENCH (T)
OR PUSHED (P)

PROPOSED

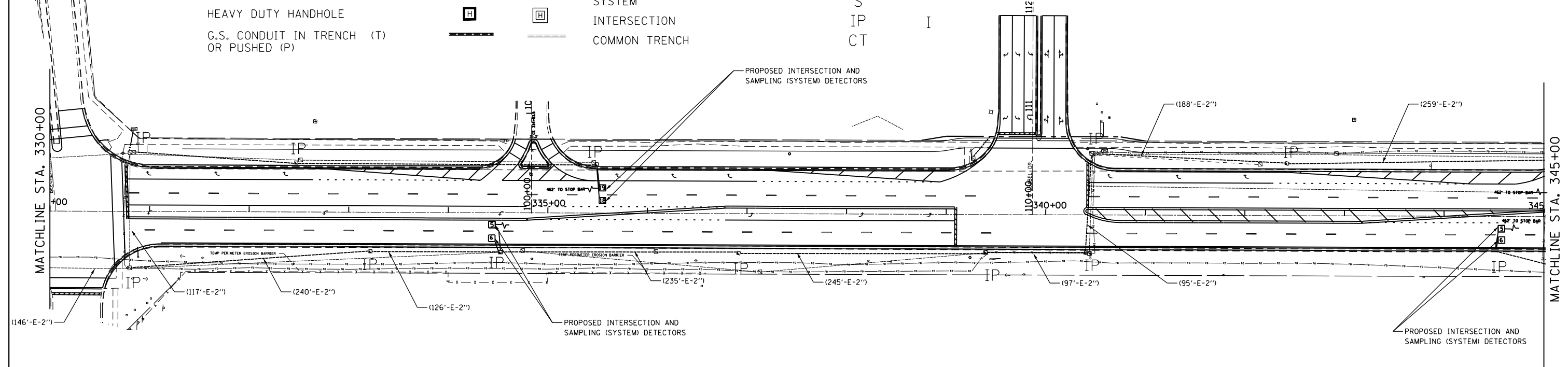
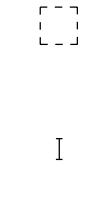
EXISTING



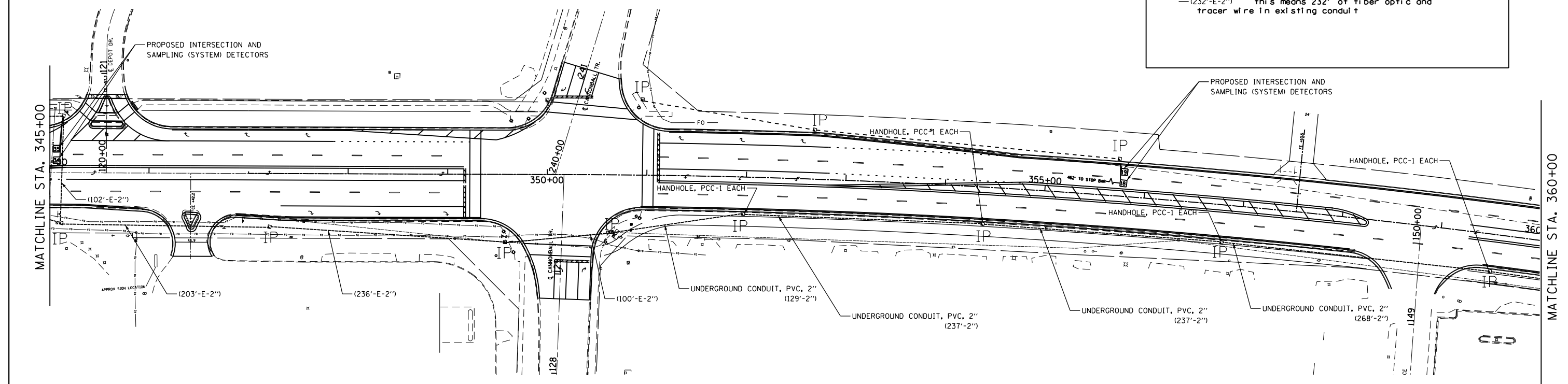
DETECTOR LOOP
UNIT DUCT
SYSTEM
INTERSECTION
COMMON TRENCH

PROPOSED

EXISTING



NOTE:
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FILE NAME =	USER NAME = woodger.jp	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

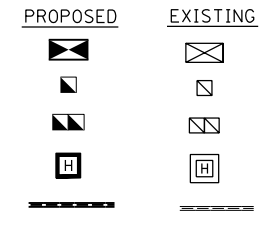
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLANS
SCALE: SHEET OF SHEETS STA. TO STA.

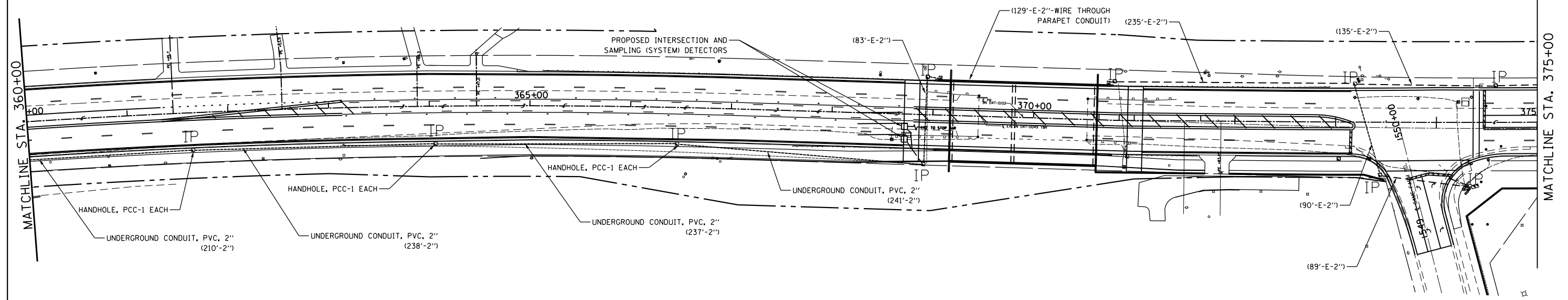
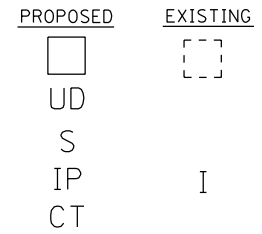
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	299
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

INTERCONNECT PLAN LEGEND

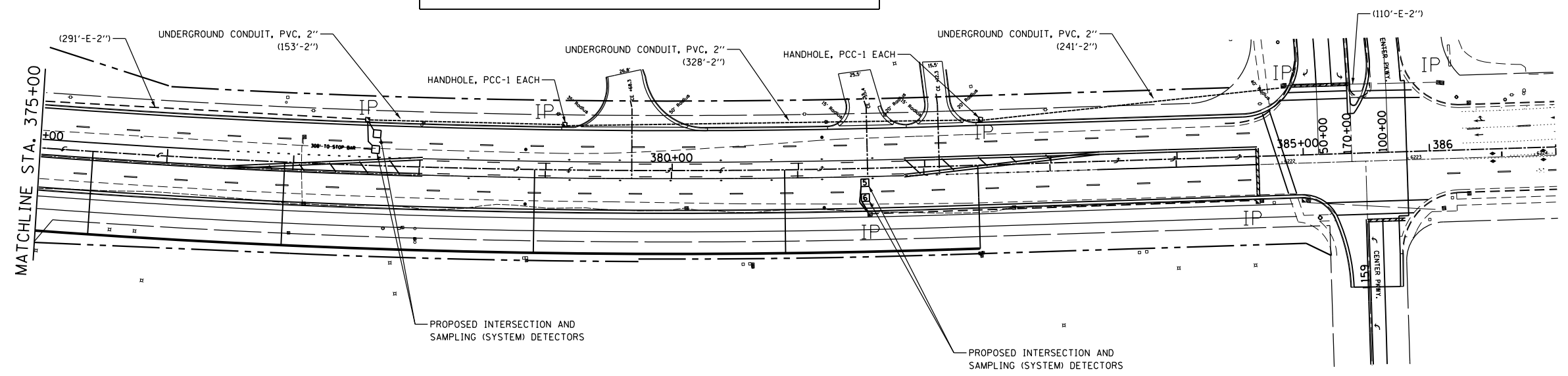
CONTROLLER
HANDHOLE
DOUBLE HANDHOLE
HEAVY DUTY HANDHOLE
G.S. CONDUIT IN TRENCH (T)
OR PUSHED (P)



DETECTOR LOOP
UNIT DUCT
SYSTEM
INTERSECTION
COMMON TRENCH



NOTE:
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—(232'-E-2") this means 232' of fiber optic and tracer wire in existing conduit



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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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INTERCONNECT PLANS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	.	KENDALL	533	300
CONTRACT NO. 66993				
ILLINOIS FED. AID PROJECT				

*(13R-2)(13 BRIC, 13 BR-1BRJ)