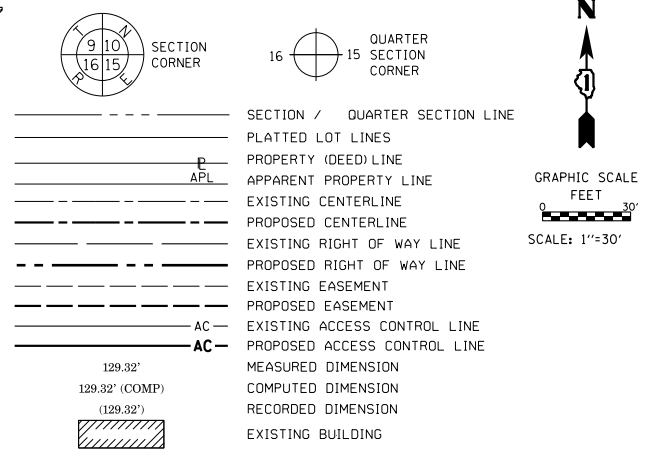


PART OF THE NW 1/4 OF SEC. 13 AND PART OF THE NE 1/4 OF SECTION 14, ALL IN TWP. 36 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
0008DEB-A	SEE SHEET 5	-	-	-	-	-	-
0008DEB-B	SEE SHEET 5	-	-	-	-	-	-
0012DEB-A	45.999	0.768	0.514	45.999	0.011	154	16-05-14-200-013
0012DEB-B		0.461	0.452				
0012DEB-C		0.015	0.010				
0012TE-A							
0012TE-B							

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011), "GRID" VALUES. TO OBTAIN GROUND DISTANCES USE THE COMBINATION FACTOR OF 0.999960. AREAS SHOWN ON THIS PLAT ARE GROUND.
- IRON PIPE OR ROD FOUND ⊕ 'MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

CURVE DATA
 PROPOSED CENTERLINE
 CURVE P16-3 - BELL ROAD

Δ = 02°21'27"
 D = 00°53'03"
 R = 6480.00'
 L = 266.63'
 T = 133.34'
 E = 1.37'

938 PC STA. 2033+13.74
 N. 1,800,396.0764 E. 1,094,474.5053

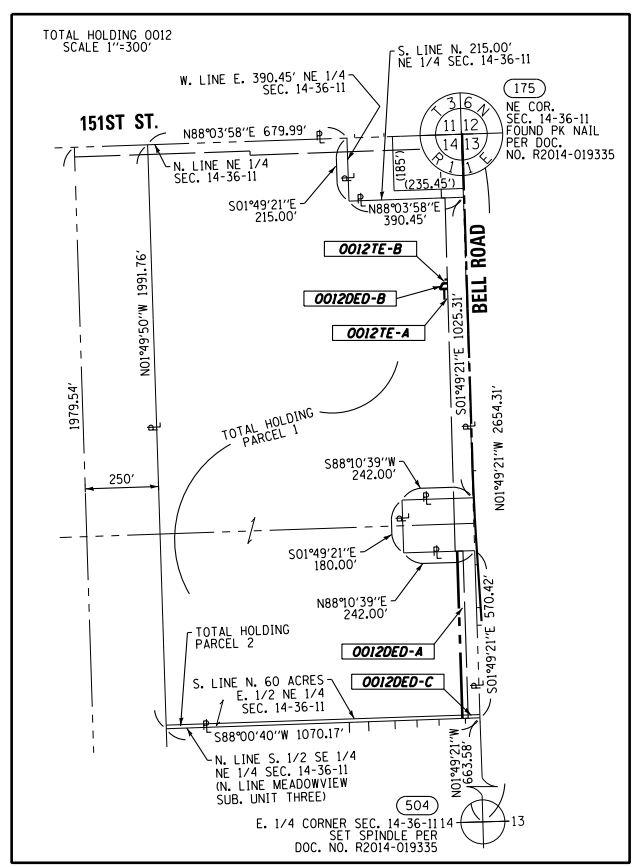
939 PI STA. 2034+47.07
 N. 1,800,529.3713 E. 1,094,471.2286

940 PT STA. 2035+80.37
 N. 1,800,662.4185 E. 1,094,462.4715

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ BELL ROAD

PT. NO.	STATION	OFFSET	NORTHING	EASTING
504	2026+65.67	17.37' LT.	1,799,747.7760	1,094,473.0680
1036	2033+28.81	82.00' LT.	1,800,408.9411	1,094,392.1469
625	2033+28.89	72.15' LT.	1,800,409.2830	1,094,401.9922
1092	2033+40.20	82.05' LT.	1,800,420.1820	1,094,391.7892
1088	2033+65.00	82.78' RT.	1,800,450.0061	1,094,555.7763
1041	2033+65.01	72.78' RT.	1,800,449.6881	1,094,545.7814
1028	2037+01.90	90.68' RT.	1,800,789.6453	1,094,544.9691
1124	2039+02.33	67.47' LT.	1,800,979.2482	1,094,373.9998
175	2053+20.42	2.69' LT.	1,802,400.7450	1,094,388.6510

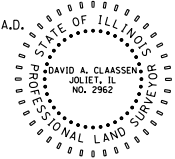


STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 13 AND 14, TOWNSHIP 36 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

[Signature] VICE PRESIDENT
 DAVID A. CLAASSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CWA SURVEY
 CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 dclaassen@cwawill.com
 CWA Job #5952

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CH 16 (BELL ROAD)

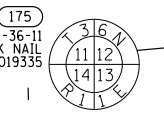
LIMITS: 159th St. to 151st St. COUNTY: WILL
 SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
 STA. 2033+00 TO STA. 2039+00 CONTRACT NO.: 61A96
 SCALE: 1" = 30' DATE: 10/04/2021 SHEET 103 OF 229 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

DOT USE ONLY

PRINTING DATE: FEBRUARY 6, 2018 JMH \Microstation\9552 SHEET 8R6.dgn

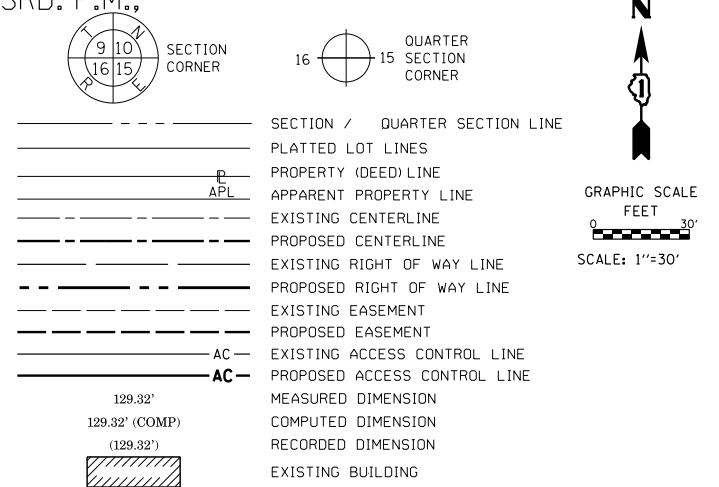
NE COR. SEC. 14-36-11
FOUND PK NAIL
PER DOC. NO. R2014-019335



SEE SHEET 10

PART OF THE NW 1/4 OF SEC. 13 AND PART OF THE NE 1/4 OF SECTION 14, ALL IN TWP. 36 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND ⊕ *MAG* NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

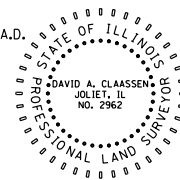
STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CWA
SURVEY

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurevey.com
CWA Job #5952

PLAT OF HIGHWAYS

WILL COUNTY
DIVISION OF TRANSPORTATION
CH 16 (BELL ROAD)

LIMITS: 159th St. to 151st. St. COUNTY: WILL
SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
STA. 2037+00 TO STA. 2041+72 CONTRACT NO.: 61A96
SCALE: 1"=30' DATE: 10/04/2021 SHEET 104 OF 229 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
00130D		0.034	0.643				
0013TE-A	5.007			5.007	0.074		16-05-13-100-011
0013TE-B					0.003	150	

CURVE DATA
PROPOSED CENTERLINE
CURVE P16-4 - BELL ROAD

Δ = 01°58'42"
D = 00°52'53"
R = 6500.00'
L = 224.44'
T = 112.23'
E = 0.97'

941 PC STA. 2039+57.01
N. 1,801,038.2413 E. 1,094,437.7350

942 PI STA. 2040+69.24
N. 1,801,150.2304 E. 1,094,430.3639

943 PT STA. 2041+81.45
N. 1,801,262.4073 E. 1,094,426.8634

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ BELL ROAD

PT. NO.	STATION	OFFSET	NORTHING	EASTING
504	2026+65.67	17.37' LT.	1,799,747.7760	1,094,473.0680
1105	2037+01.67	97.08' RT.	1,800,789.8338	1,094,551.3775
1029	2037+03.17	55.70' RT.	1,800,788.6160	1,094,509.9841
1106	2037+79.72	99.73' RT.	1,800,867.8911	1,094,548.8937
1107	2037+81.13	58.34' RT.	1,800,866.5741	1,094,507.5035
1031	2038+50.01	50.67' RT.	1,800,934.7995	1,094,495.3275
1108	2038+50.01	55.68' RT.	1,800,935.1281	1,094,500.3196
1030	2038+50.01	60.68' RT.	1,800,935.4566	1,094,505.3116
1109	2038+80.00	56.69' RT.	1,800,965.1250	1,094,499.3651
1110	2038+80.17	51.70' RT.	1,800,964.9660	1,094,494.3676
175	2053+20.42	2.69' LT.	1,802,400.7450	1,094,388.6510

PRINTING DATE: OCTOBER 11, 2016 JMH /Microstation/5952 SHEET 9R4.dgn

SEE SHEET 8
FOR 0012 TOTAL HOLDING

SEE SHEET 8

E. 1/4 CORNER SEC. 14-36-11
W. 1/4 CORNER SEC. 13-36-11
SET SURVEY SPINDLE PER
DOC. NO. R2014-019335
POC 00130D, POC 0013TE-A
& POC 0013TE-B

PART OF THE NW 1/4 OF SEC. 13 AND PART OF THE NE 1/4 OF SECTION 14 IN TWP. 36 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

GRAPHIC SCALE
 FEET
 0 30'
 SCALE: 1"=30'

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0008DED-A	SEE SHEET 5	-	-	-			
0008DED-B		-	-	-			

CURVE DATA
 PROPOSED CENTERLINE
 CURVE P16-4 - BELL ROAD

Δ = 01°58'42"
 D = 00°52'53"
 R = 6500.00'
 L = 224.44'
 T = 112.23'
 E = 0.97'

941 PC STA. 2039+57.01
 N. 1,801,038.2413 E. 1,094,437.7350

942 PI STA. 2040+69.24
 N. 1,801,150.2304 E. 1,094,430.3639

943 PT STA. 2041+81.45
 N. 1,801,262.4073 E. 1,094,426.8634

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE ~ BELL ROAD

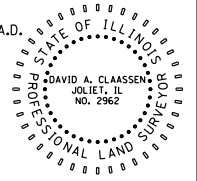
PT.NO.	STATION	OFFSET	NORTHING	EASTING
504	2026+65.67	17.37' LT.	1,799,747.7760	1,094,473.0680
1089	2041+72.16	80.19' RT.	1,801,255.7394	1,094,507.3116
834	2041+72.22	62.34' RT.	1,801,255.2144	1,094,489.4679
1090	2045+00.00	63.10' RT.	1,801,582.7708	1,094,480.0007
1044	2045+00.01	80.00' RT.	1,801,583.3081	1,094,496.8884
175	2053+20.42	2.69' LT.	1,802,400.7450	1,094,388.6510

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 13 AND 14, TOWNSHIP 36 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

DAVID A. CLAASSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



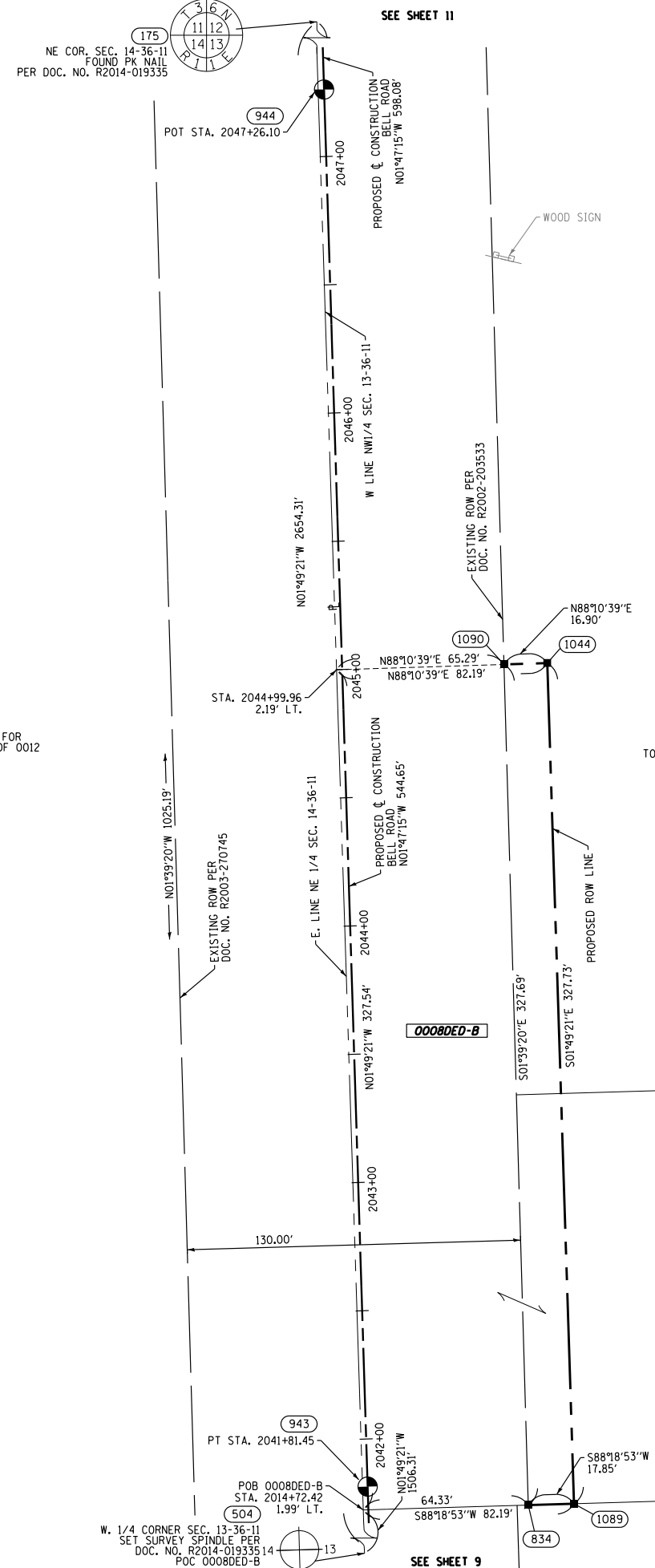
CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com
 CWA Job #5952

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTSTION
CH 16 (BELL ROAD)

LIMITS: 159th St. to 151st. St. COUNTY: WILL
 SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
 STA. 2041+72 TO STA. 2047+50 CONTRACT NO.: 61A96
 SCALE: 1"=30' DATE: 10/04/2021 SHEET 105 OF 229 SHEETS

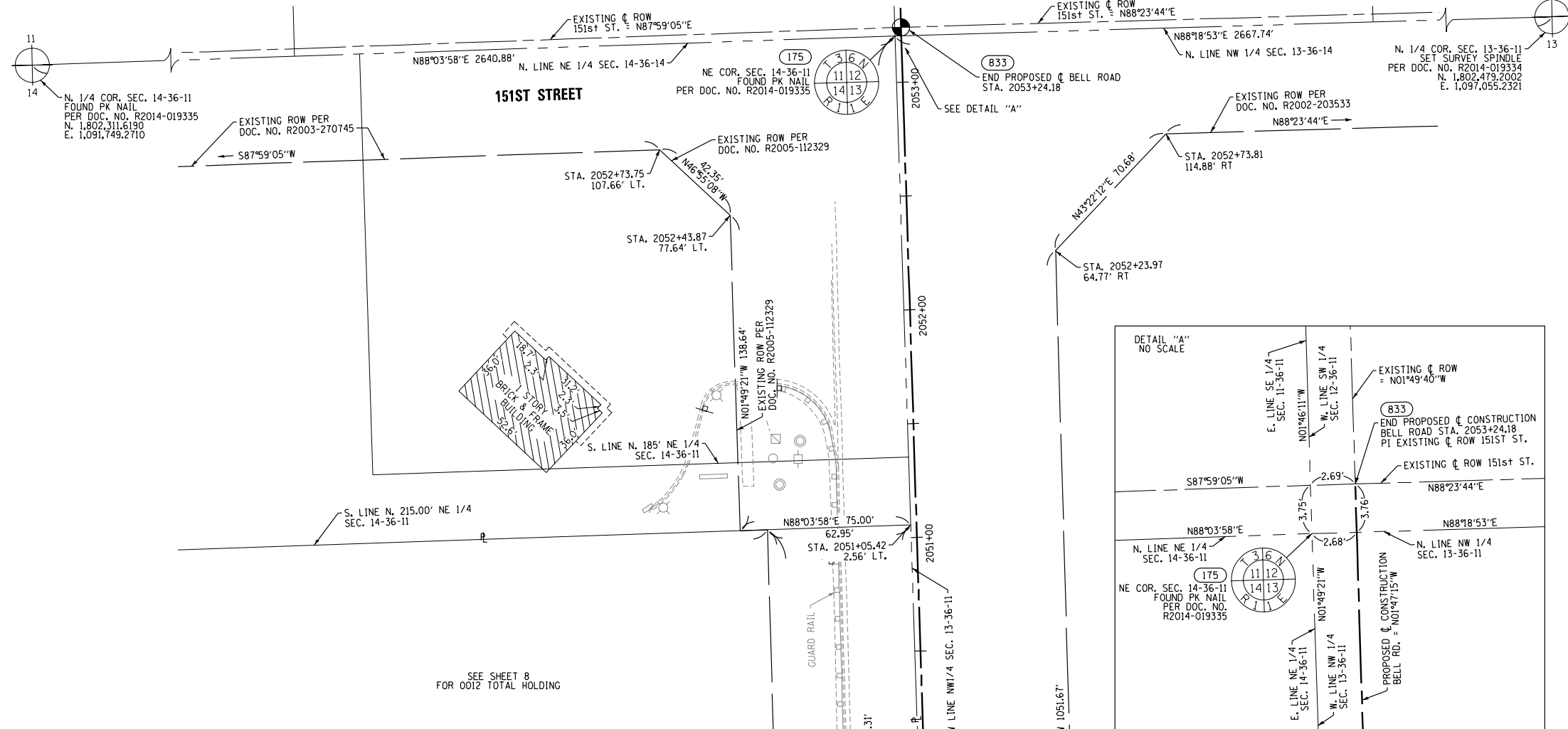
WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

PRINTING DATE: SEPTEMBER 8, 2015 JMH /Microstation/5952 SHEET 10R4.dgn



REVISION DATE: / / REVISION MADE BY:

PART OF THE NW 1/4 OF SEC. 13 AND PART OF THE NE 1/4 OF SECTION 14, ALL IN TWP. 36 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



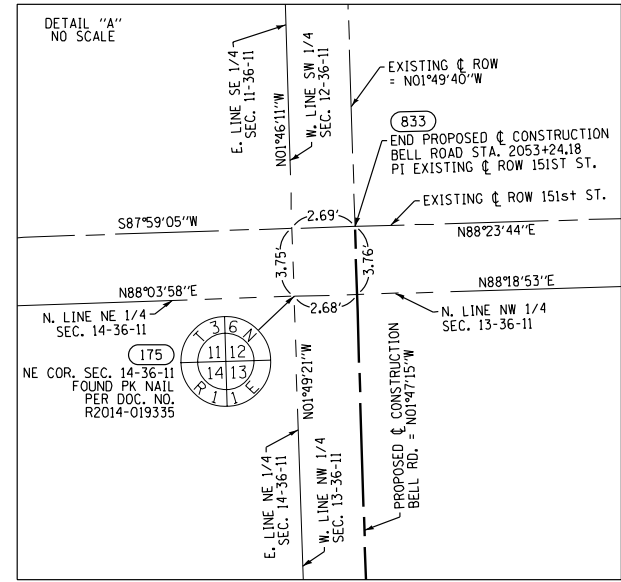
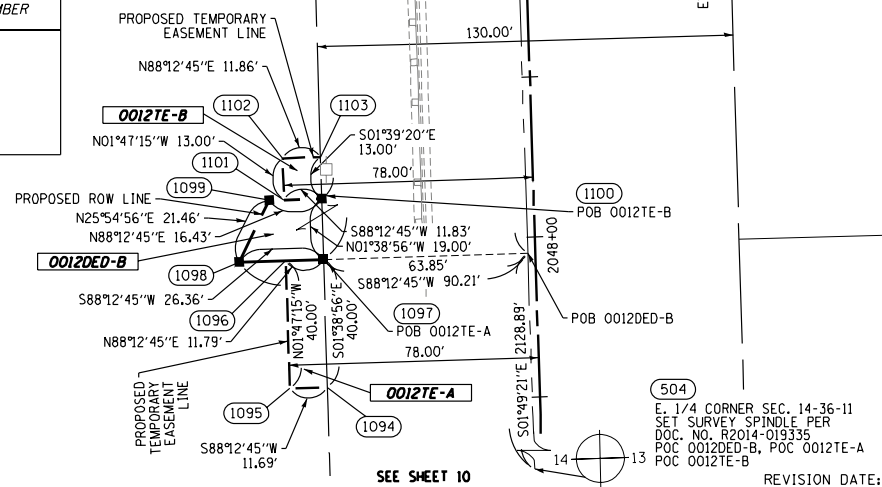
PRINTING DATE: SEPTEMBER 8, 2015 JMH /Microstation/5952 SHEET 11R4.dgn

SEE SHEET B FOR 0012 TOTAL HOLDING

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

PT. NO.	STATION	OFFSET	NORTHING	EASTING
504	2026+65.67	17.37' LT.	1,799,747.7760	1,094,473.0680
1095	2047+55.00	78.00' LT.	1,801,833.2487	1,094,331.0120
1094	2047+55.00	66.31' LT.	1,801,833.6133	1,094,342.6965
1098	2047+95.00	92.57' LT.	1,801,872.7746	1,094,315.1975
1096	2047+95.00	78.00' LT.	1,801,873.2292	1,094,329.7644
1097	2047+95.00	66.21' LT.	1,801,873.5968	1,094,341.5454
1099	2048+14.00	82.60' LT.	1,801,892.0724	1,094,324.5745
1101	2048+14.00	78.00' LT.	1,801,892.2159	1,094,329.1719
1100	2048+14.00	66.17' LT.	1,801,892.5847	1,094,340.9920
1102	2048+27.00	78.00' LT.	1,801,905.2136	1,094,328.7863
1103	2048+27.00	66.14' LT.	1,801,905.5834	1,094,340.6163
175	2053+20.42	2.69' LT.	1,802,400.7450	1,094,388.6510
833	2053+24.18	0.00' RT.	1,802,404.5848	1,094,391.2211

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
00120ED-A	SEE SHEET B	-	-	-	-	-	-
00120ED-B		-	-	-	-	-	-
0012TE-A		-	-	-	-	-	-
0012TE-B		-	-	-	-	-	-



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011), "GRID" VALUES. TO OBTAIN GROUND DISTANCES USE THE COMBINATION FACTOR OF 0.999960. AREAS SHOWN ON THIS PLAT ARE GROUND.

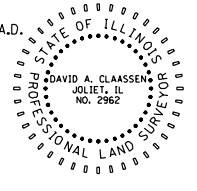
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 13 AND 14, TOWNSHIP 36 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhitecwasurvey.com
CWA Job #5952

PLAT OF HIGHWAYS

WILL COUNTY
DIVISION OF TRANSPORTATION
CH 16 (BELL ROAD)

LIMITS: 159th St. to 151st St. COUNTY: WILL
SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
STA. 2047+55 TO STA. 2053+24.18 CONTRACT NO: 61A96
SCALE: 1"=30' DATE: 10/04/2021 SHEET 106 OF 229 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

DOT USE ONLY

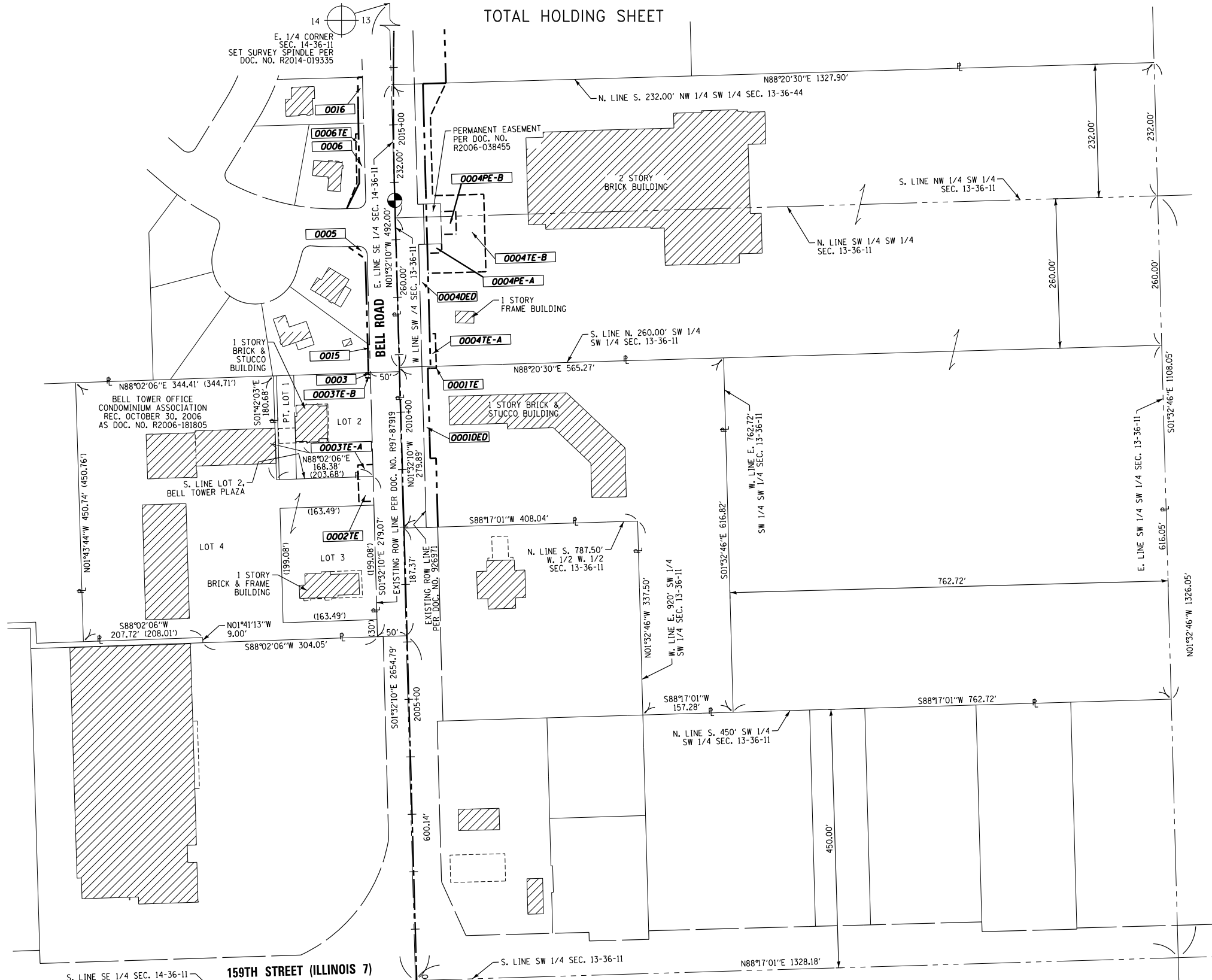
REVISION DATE: / / REVISION MADE BY:

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC- EXISTING ACCESS CONTROL LINE
- AC- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011), "GRID" VALUES. TO OBTAIN GROUND DISTANCES USE THE COMBINATION FACTOR OF 0.999960. AREAS SHOWN ON THIS PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND ⊕ *MAG* NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



PRINTING DATE: APRIL 21, 2022 JMH /Microstation/5952 SHEET 12R4.dgn

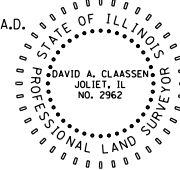
STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 13 AND 14, TOWNSHIP 36 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

 VICE PRESIDENT

DAVID A. CLAASSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2022
 THIS PROFESSIONAL SERVICE CONFORMS TO THE
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A
 BOUNDARY SURVEY.



CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurevey.com
 CWA Job #5952

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CH 16 (BELL ROAD)

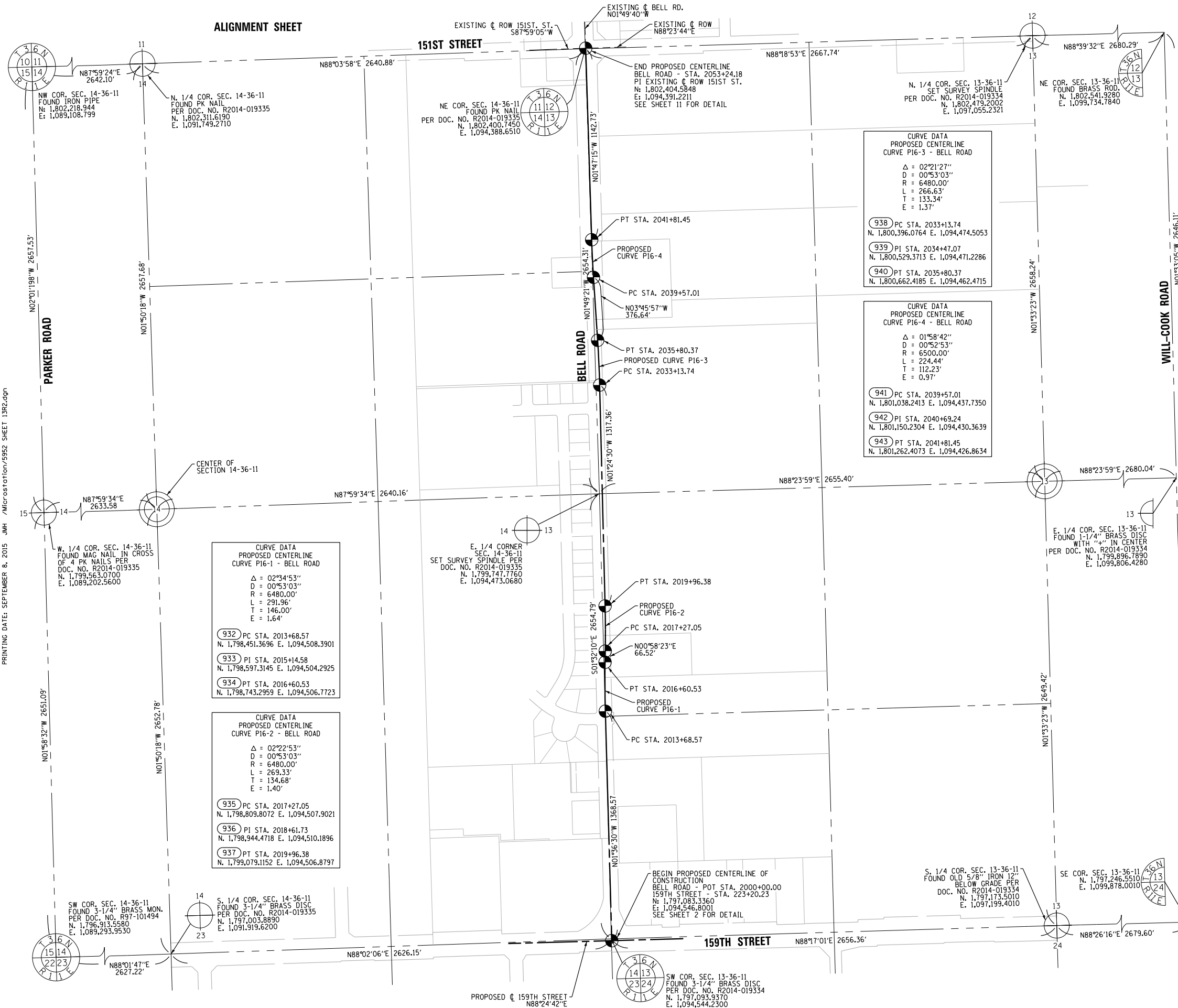
LIMITS: 159th St. to 151st. St. COUNTY: WILL
 SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
 STA. N/A TO STA. N/A
 SCALE: 1" = 100' DATE: 10/04/2021 SHEET 107 OF 229 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

IDOT USE ONLY

REVISION DATE: / / REVISION MADE BY:

ALIGNMENT SHEET



LEGEND

SECTION CORNER
 SECTION CORNER
QUARTER SECTION CORNER
 QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
 SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
 PLATTED LOT LINES
PROPERTY (DEED) LINE
 PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
 APPARENT PROPERTY LINE
EXISTING CENTERLINE
 EXISTING CENTERLINE
PROPOSED CENTERLINE
 PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
 EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
 EXISTING EASEMENT
PROPOSED EASEMENT
 PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
 EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
 MEASURED DIMENSION
COMPUTED DIMENSION
 COMPUTED DIMENSION
RECORDED DIMENSION
 RECORDED DIMENSION
EXISTING BUILDING
 EXISTING BUILDING

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011), "GRID" VALUES. TO OBTAIN GROUND DISTANCES USE THE COMBINATION FACTOR OF 0.999960. AREAS SHOWN ON THIS PLAT ARE GROUND.

IRON PIPE OR ROD FOUND IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET CUT CROSS FOUND OR SET
***MAG* NAIL SET** *MAG* NAIL SET
5 / 8" REBAR SET 5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS
 STAKING OF PROPOSED RIGHT OF WAY, PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT-OF-WAY MONUMENTATION REQUIREMENTS

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET
 RIGHT OF WAY STAKING PROPOSED TO BE SET



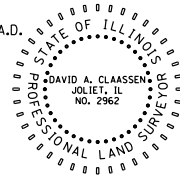
PRINTING DATE: SEPTEMBER 8, 2015 JMH /Microstation/5952 SHEET 13R2.dgn

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 13 AND 14, TOWNSHIP 36 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 8TH DAY OF SEPTEMBER, 2015 A.D.

VICE PRESIDENT
 DAVID A. CLAASSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2016
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
 (815) 744-3720 claassenwhite@cwasurvey.com
 CWA Job #5952

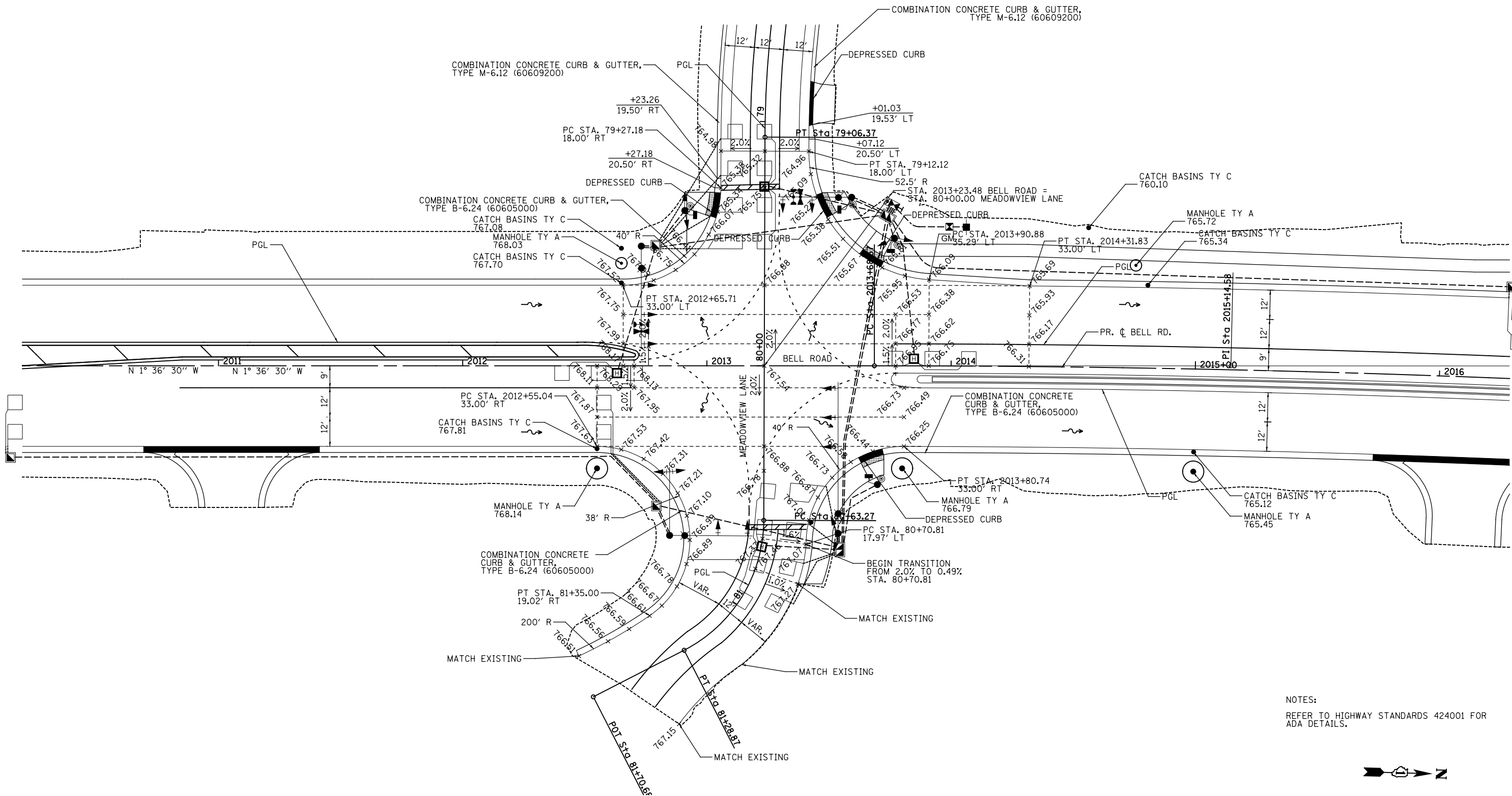
PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
CH 16 (BELL ROAD)

LIMITS: 159th St. to 151st St. COUNTY: WILL
 SECTION: 99-00147-07-FP JOB NO.: R-55-001-97
 STA. 2000+00 TO STA. 2053+24.18 CONTRACT NO.: 61A96
 SCALE: 1" = 300' DATE: 10/04/2021 SHEET 108 OF 229 SHEETS

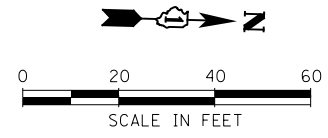
WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

REVISION DATE: / / REVISION MADE BY:

FILE NAME = T:\06912A Bell Road\Drawings\Intersections\Details\DI-sht.01 - Meadowview.dgn



NOTES:
REFER TO HIGHWAY STANDARDS 424001 FOR ADA DETAILS.



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME = USHA669697	DESIGNED - NSL	REVISED -
	DRAWN - RSK	REVISED -
PLOT SCALE =	CHECKED - DVS	REVISED -
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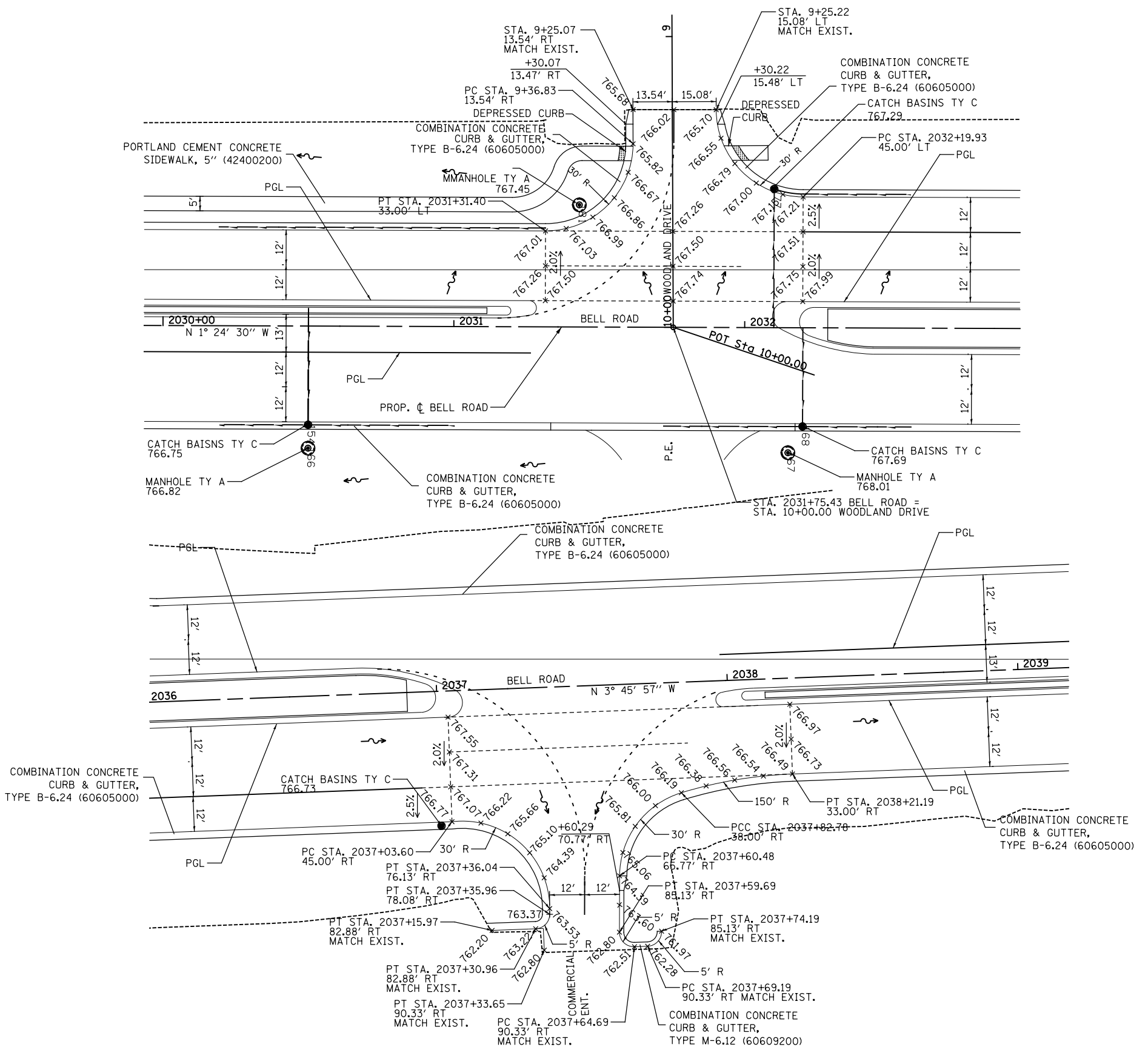
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
BELL ROAD /MEADOWVIEW LANE**

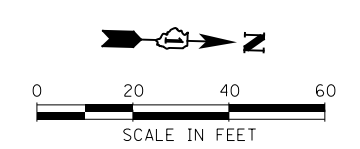
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	109
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

FILE NAME = T:\06912A Bell Road\Plan\Intersections_Details\DI_sht.01 - Woodland.dgn



NOTES:
REFER TO HIGHWAY STANDARDS 424001 FOR ADA DETAILS.



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME = USHA669697	DESIGNED - NSL	REVISED -
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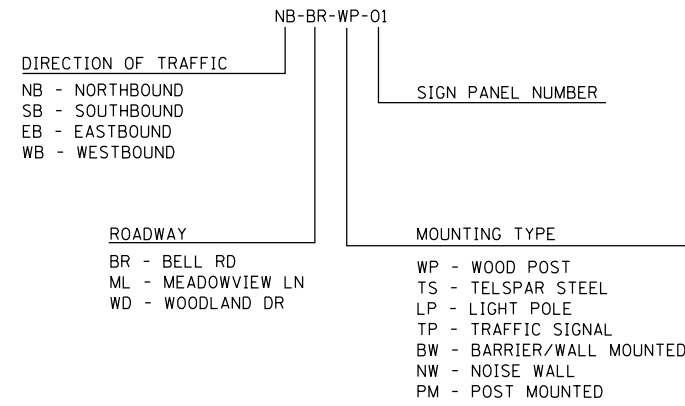
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
BELL ROAD / WOODLAND DRIVE AND COMMERCIAL ENT.**








SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	110
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

SIGN SEQUENCE – NUMBERING CODE EXAMPLE



PAVEMENT MARKING AND SIGNING SYMBOL LEGEND

-  EXISTING GROUND MOUNTED SIGN
-  PROPOSED GROUND MOUNTED SIGN
-  EXISTING SIGN PANEL TO BE REMOVED
-  PROPOSED SIGN PANEL
-  ONE - WAY CRYSTAL MARKER
-  ONE - WAY AMBER MARKER
-  TWO - WAY AMBER MARKER

PAVEMENT MARKING AND SIGNING GENERAL NOTES

- ALL ROADSIDE SIGNAGE SHALL BE REPLACED PER MUTCD, LATEST EDITION AND INCLUDE TELSPAR STEEL POSTS, 36" SLEEVE. A 3" WIDE BY 30" LONG RETROREFLECTIVE STRIP MATCHING THE PRIMARY FACE COLOR (YELLOW OR RED ONLY).
- EACH SIGN FACE SHALL HAVE (EITHER IN SYMBOL OR IN WORDS) THE NAME OF THE FABRICATOR, THE MONTH AND YEAR OF FABRICATION, AND "WILL COUNTY DIVISION OF TRANSPORTATION" IN THE BORDER AT THE LOWER EDGE OF THE SIGN FACE. THE LETTER SIZE SHALL BE 1/2" IN HEIGHT.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKER ON THE COUNTY HIGHWAY.
- ALL SIGNS PLACED IN CONCRETE SHALL HAVE A 3" PVC SLEEVE. SEE DETAIL ON SHEET 48, INCLUDED IN THE COST OF SIGN POST.
- FOR PAINTED CURB AND MEDIAN DETAILS REFER TO WCDOT "MEDIAN CURB AND ISLAND PAVEMENT MARKINGS" STANDARD DETAIL.

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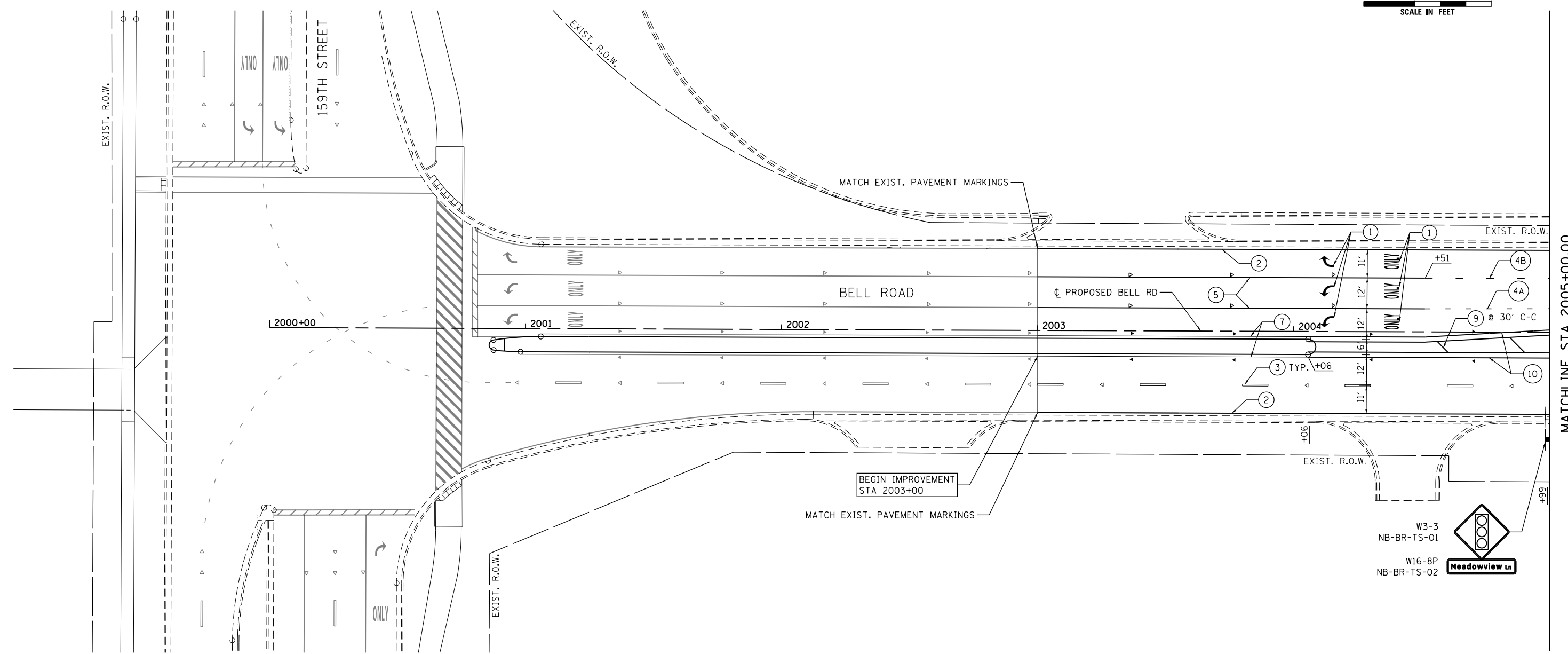
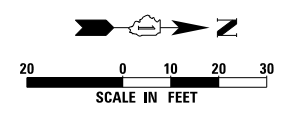
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
SYMBOLS AND LEGEND**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	111
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



MODEL: D:\p\h\...
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- ### PAVEMENT MARKING LEGEND
- | | | |
|--|---|--|
| <ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100) ④A THERMOPLASTIC PAVEMENT MARKING - LINE 6" SKIP-DASH WHITE, 6' SKIP - 2' DASH (78000400) ④B THERMOPLASTIC PAVEMENT MARKING - LINE 8" SKIP-DASH WHITE, 9' SKIP - 3' DASH (78000500) | <ul style="list-style-type: none"> ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ONE-WAY AMBER SPACED AT 40' C-C (78100100) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE (78000650) ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW (78000200) ONE-WAY AMBER SPACED AT 40' C-C (78100100) ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER SPACED AT 40' C-C (78100100) | <ul style="list-style-type: none"> ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW (78000600) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY/TWO-WAY AMBER SPACED AT 40' C-C (78100100) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS. |
|--|---|--|



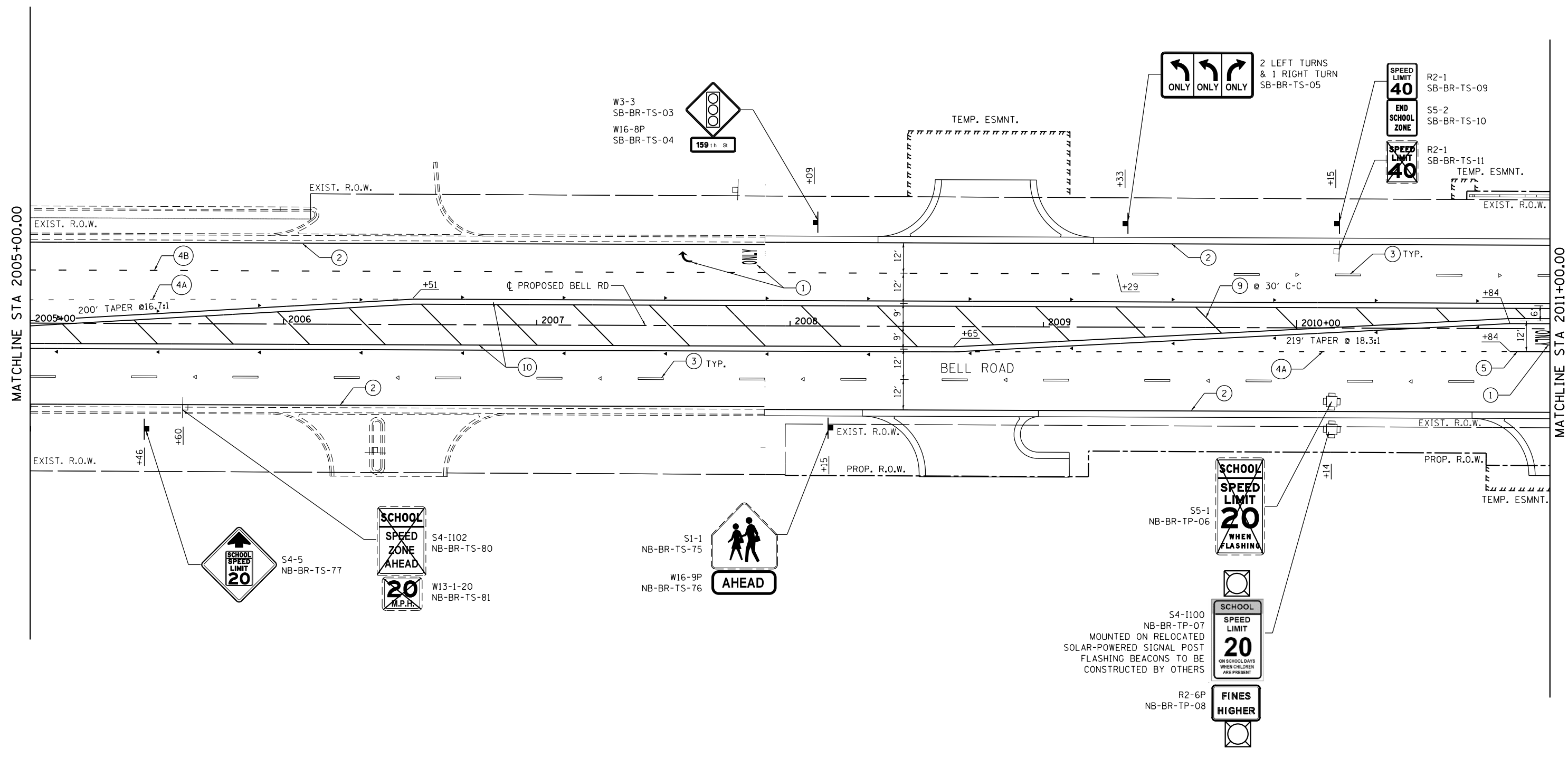
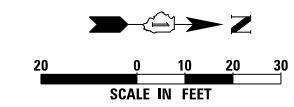
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 1 OF 9 SHEETS STA. 2000+00 TO STA. 2005+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	112
			CONTRACT NO. 61A96	
		ILLINOIS FED. AID PROJECT		

MATCHLINE STA 2005+00.00



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
- ④A THERMOPLASTIC PAVEMENT MARKING - LINE 6" SKIP-DASH WHITE, 6' SKIP - 2' DASH (78000400)
- ④B THERMOPLASTIC PAVEMENT MARKING - LINE 8" SKIP-DASH WHITE, 9' SKIP - 3' DASH (78000500)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE (78000650)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW (78000200) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW (78000600)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY/TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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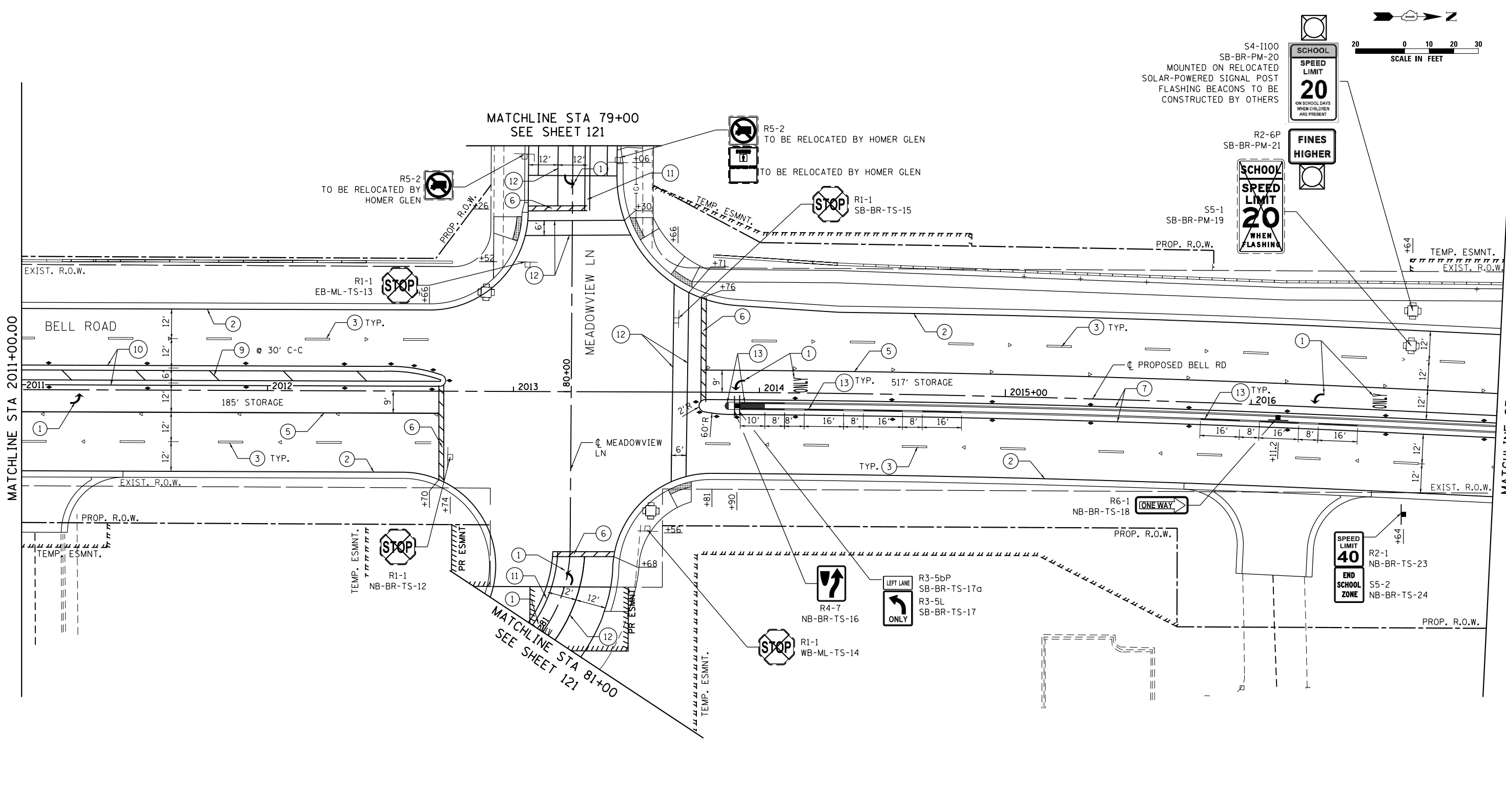
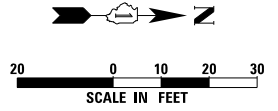


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PLOT SCALE = 20,000' / in.	DRAWN - AS	REVISED -
PLOT DATE = 4/21/2022	CHECKED - VP	REVISED -
	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 2 OF 9 SHEETS
STA. 2005+00	TO STA. 2011+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	113
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 2011+00.00

MATCHLINE STA 2017+00.00

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE (78000650)
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- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW (78000600)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY/TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.



USER NAME = vpetegrmas	DESIGNED - AS	REVISED -
	DRAWN - AS	REVISED -
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PLOT DATE = 4/12/2022	DATE - 10/04/2021	REVISED -

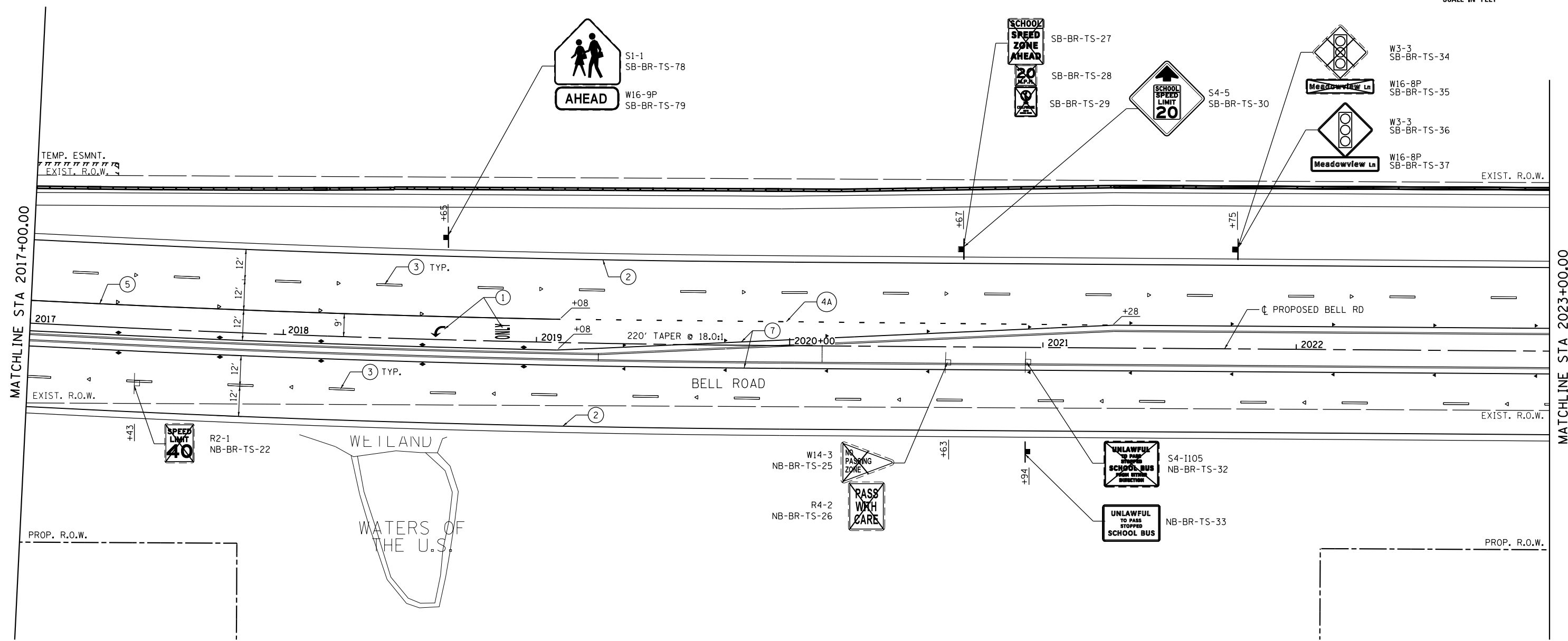
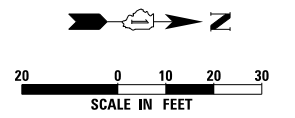
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
BELL ROAD**

SCALE: 1" = 20' SHEET 3 OF 9 SHEETS STA. 2011+00 TO STA. 2017+00

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 114
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

MODEL: D:\m\h\... FILE NAME: ...



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
- ④A THERMOPLASTIC PAVEMENT MARKING - LINE 6" SKIP-DASH WHITE, 6' SKIP - 2' DASH (78000400)
- ④B THERMOPLASTIC PAVEMENT MARKING - LINE 8" SKIP-DASH WHITE, 9' SKIP - 3' DASH (78000500)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE (78000650)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW (78000200) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW (78000600)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY/TWO-WAY AMBER SPACED AT 40' C-C (78100100)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DUAL YELLOW, 11" SPACING C-C (78000200)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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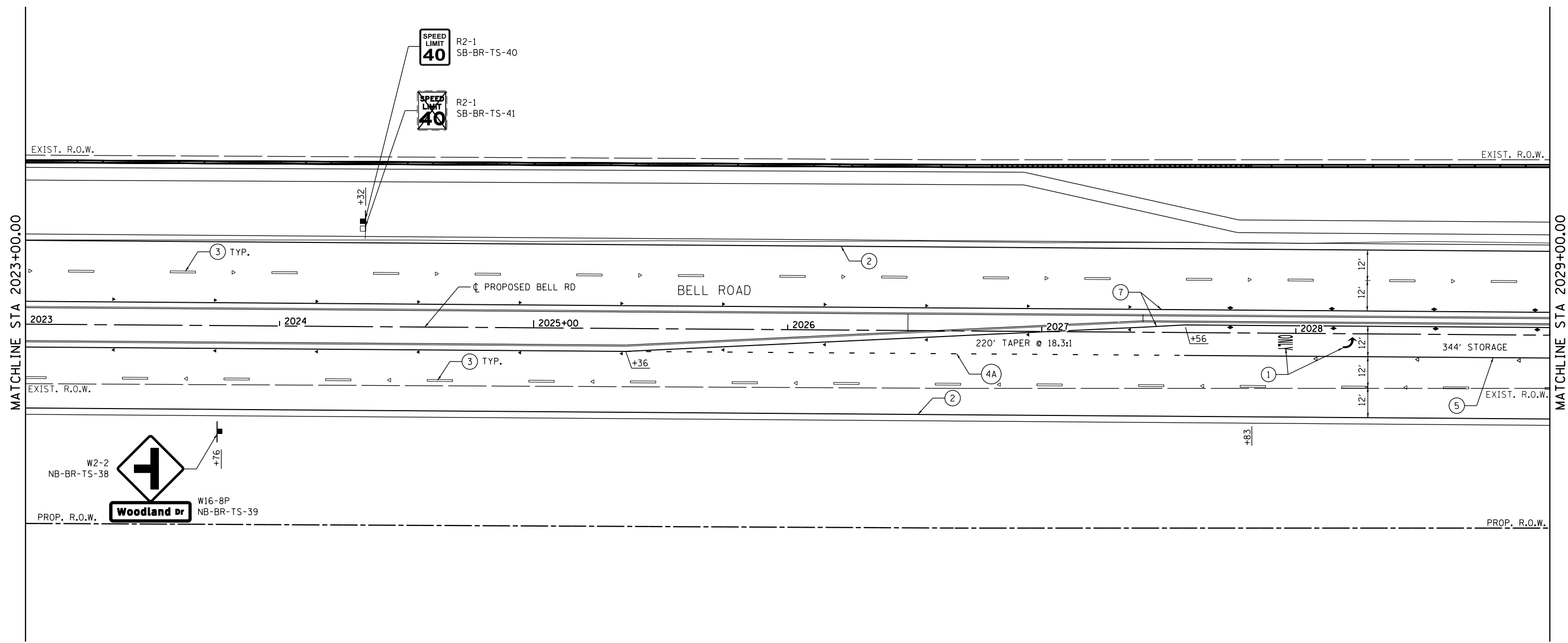
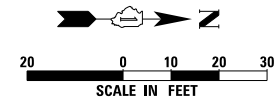


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PLOT DATE = 4/12/2022	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 4 OF 9 SHEETS
STA. 2017+00	TO STA. 2023+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	115
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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- ④B THERMOPLASTIC PAVEMENT MARKING - LINE 8" SKIP-DASH WHITE, 9' SKIP - 3' DASH (78000500)
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- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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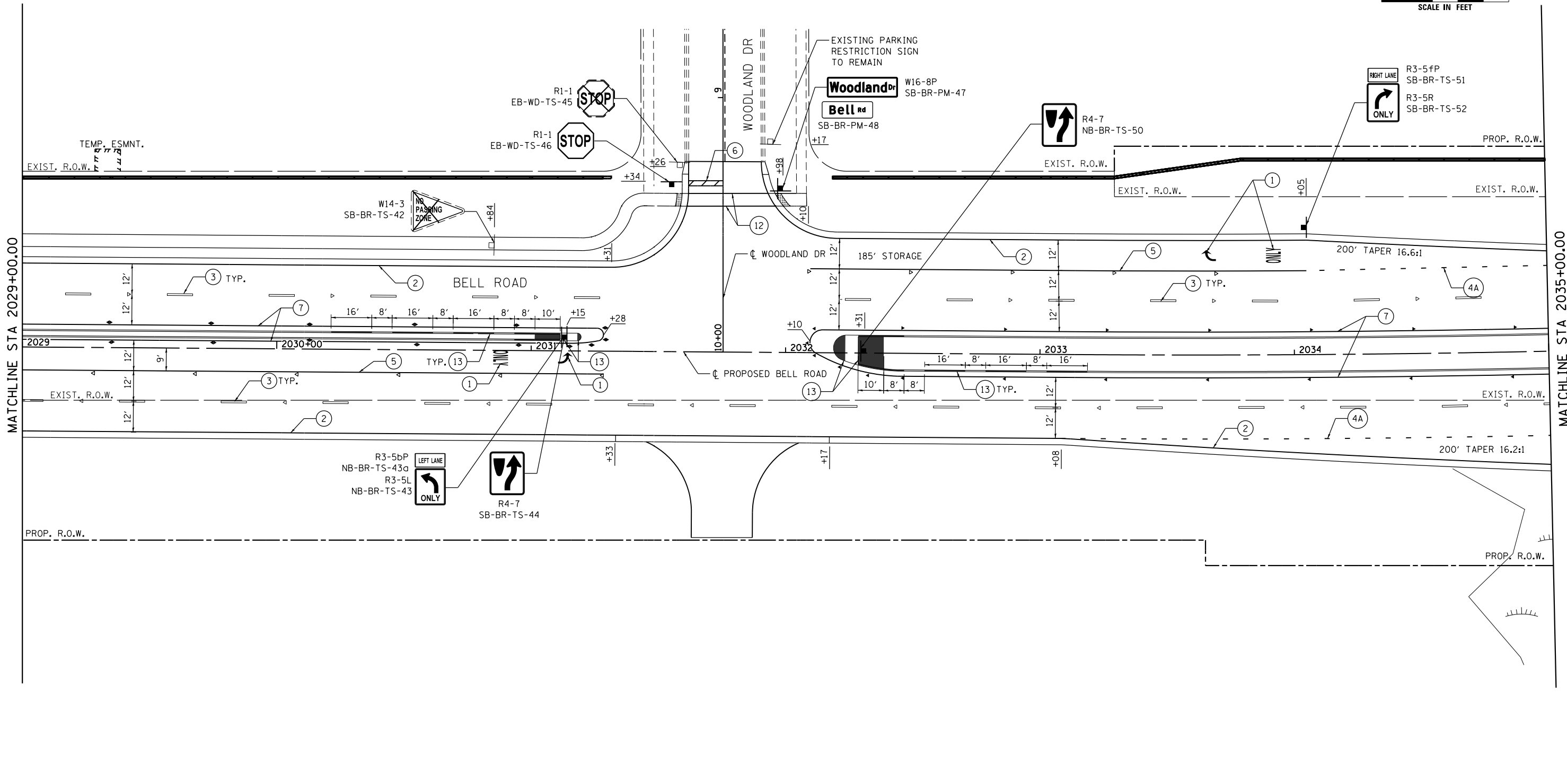
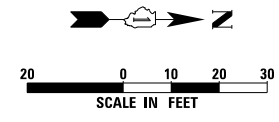


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PLOT DATE = 9/23/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 5 OF 9 SHEETS STA. 2023+00 TO STA. 2029+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	116
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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- ④B THERMOPLASTIC PAVEMENT MARKING - LINE 8" SKIP-DASH WHITE, 9' SKIP - 3' DASH (78000500)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
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- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW (78000200) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
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- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE (78000400)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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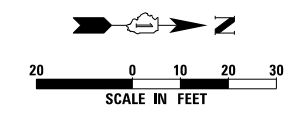


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

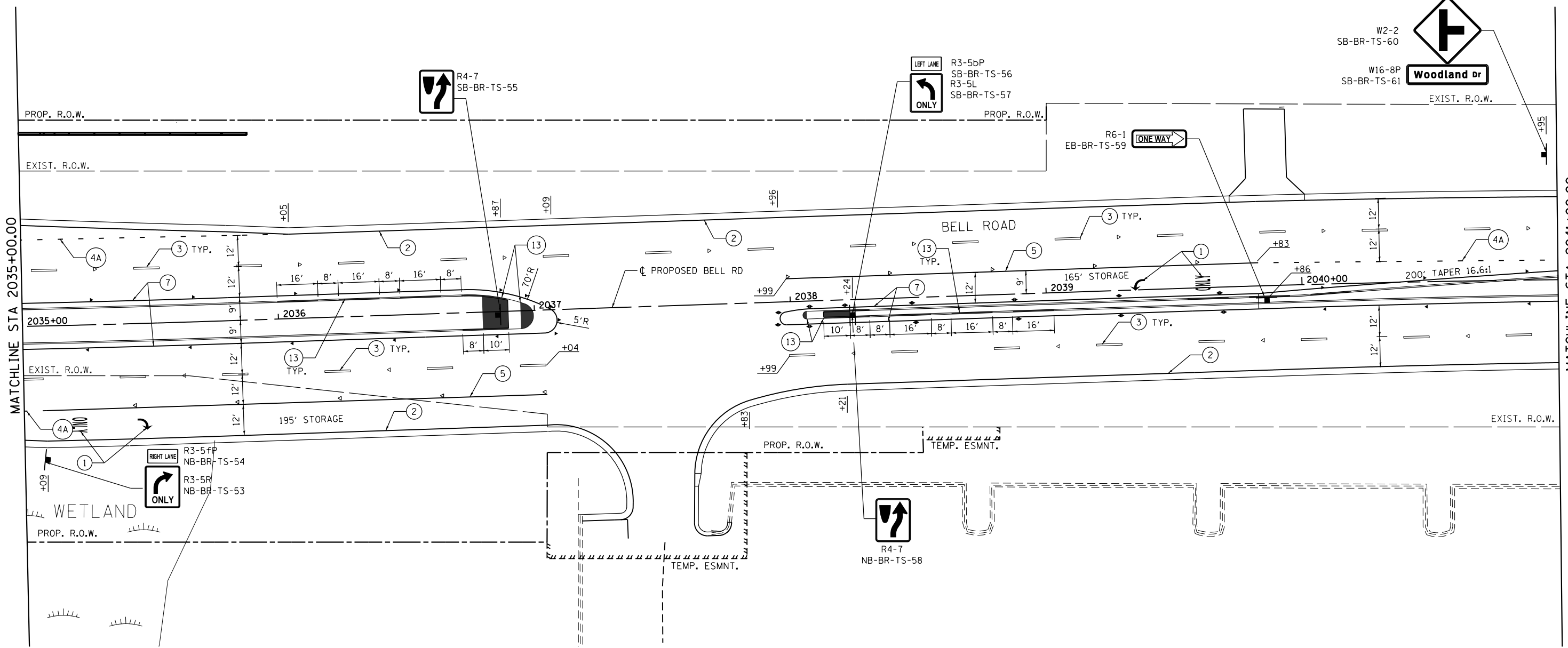
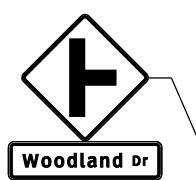
PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 6 OF 9 SHEETS STA. 2029+00 TO STA. 2035+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	117
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



W2-2
SB-BR-TS-60

W16-8P
SB-BR-TS-61



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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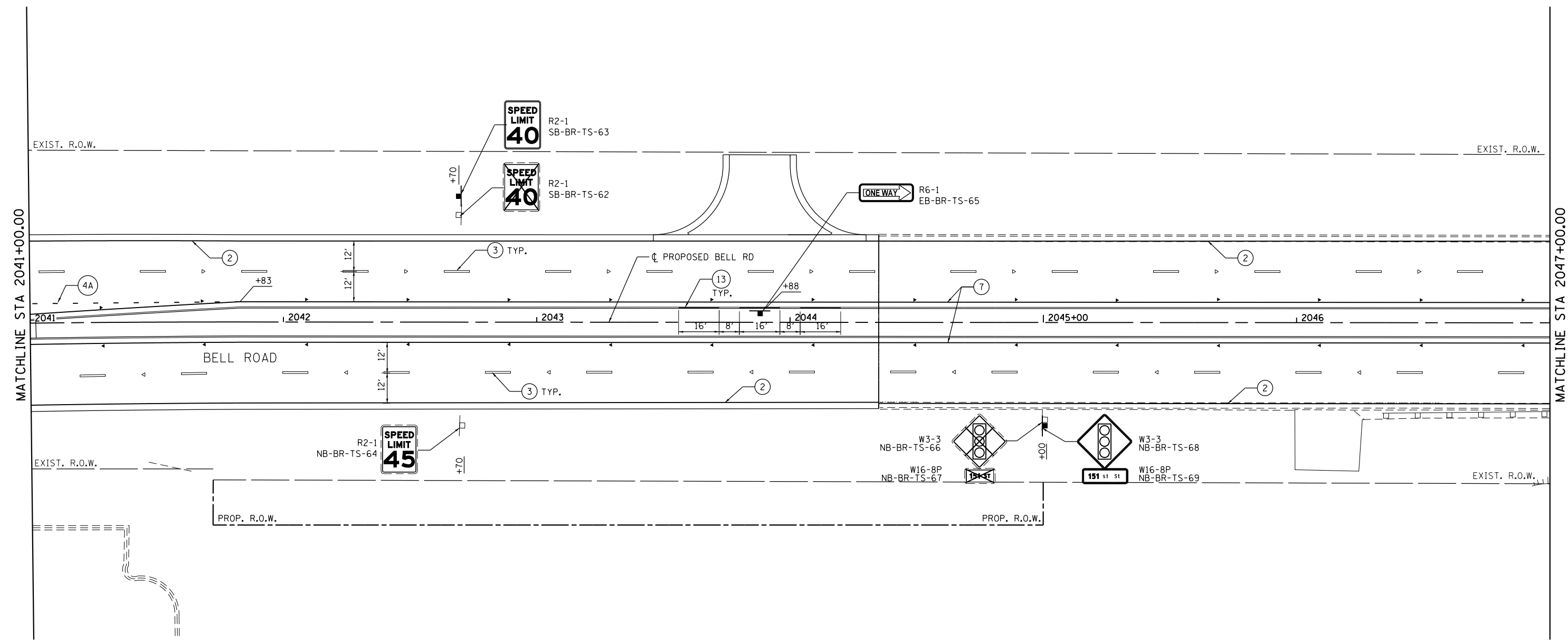
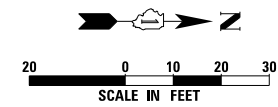
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PLOT DATE = 9/23/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
BELL ROAD**

SCALE: 1" = 20' SHEET 7 OF 9 SHEETS STA. 2035+00 TO STA. 2041+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	118
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
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- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW (78000200) ONE-WAY AMBER SPACED AT 40' C-C (78100100)
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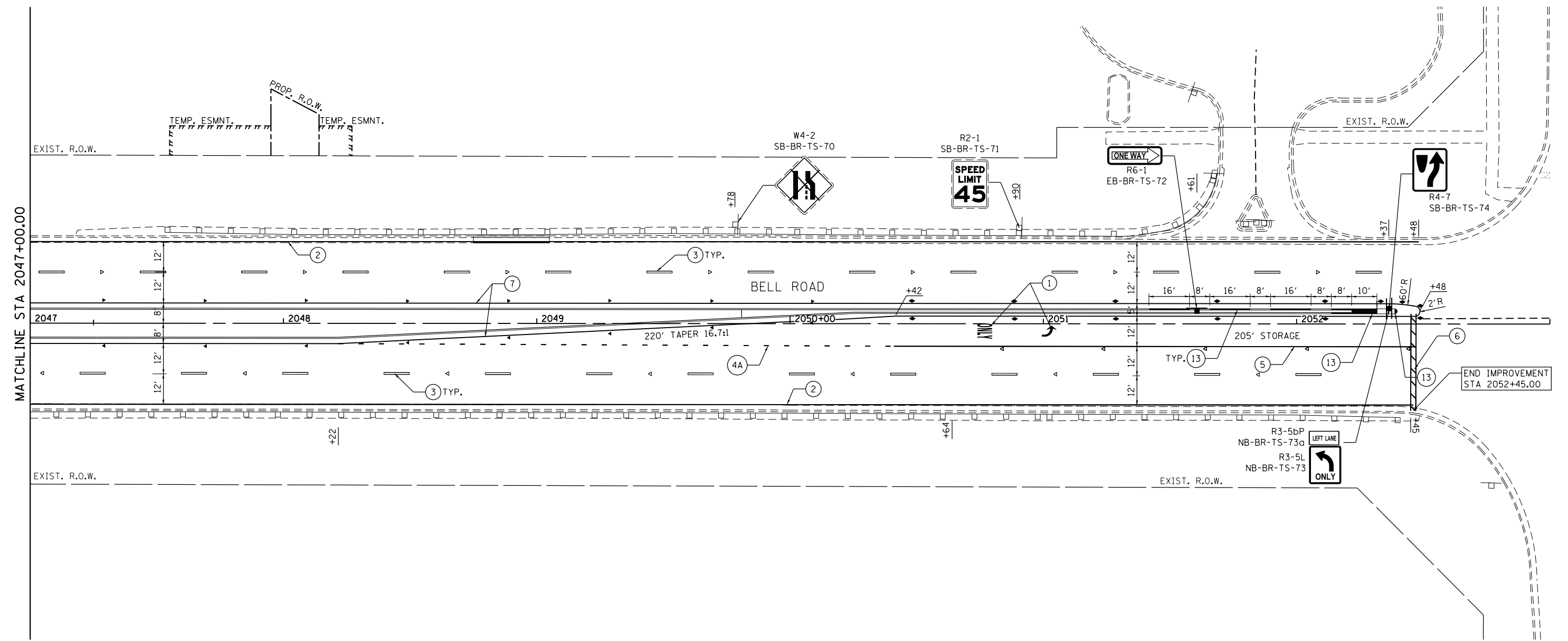
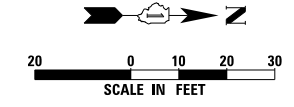
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
BELL ROAD

SCALE: 1" = 20' SHEET 8 OF 9 SHEETS STA. 2041+00 TO STA. 2047+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	119
			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 2047+00.00

END IMPROVEMENT
STA 2052+45.00

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS YELLOW (78008200) TO BE APPLIED ON CURBS AND MEDIANS.

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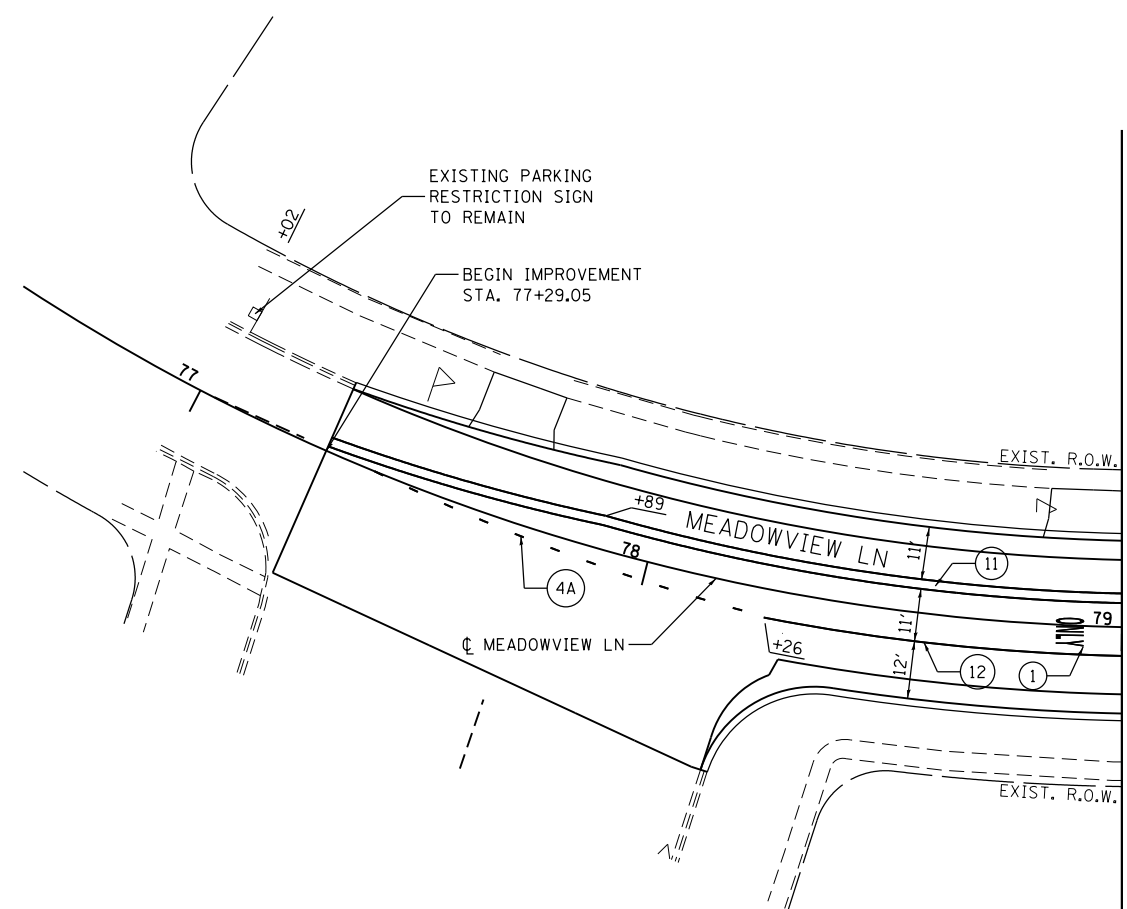
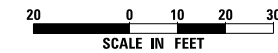


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PLOT DATE = 9/23/2021	DATE - 10/04/2021	REVISED -

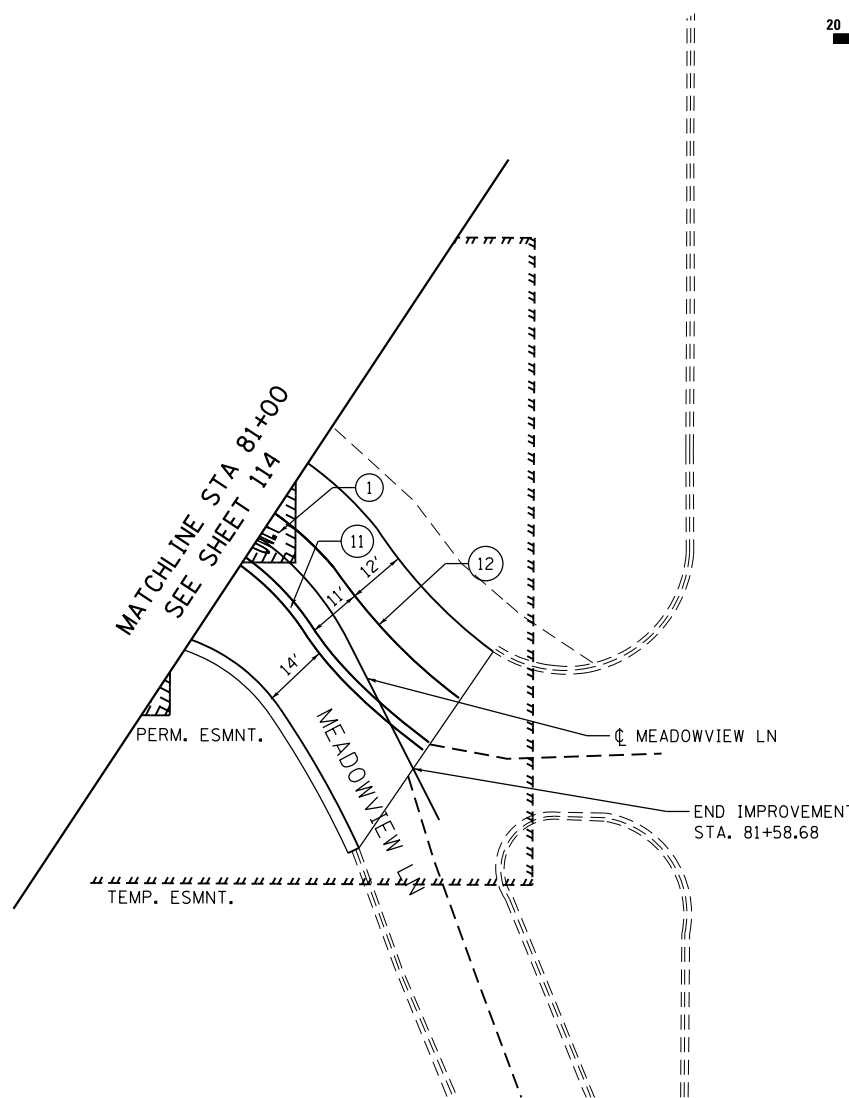
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 9 OF 9 SHEETS STA. 2047+00 TO STA. 2053+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	120
			CONTRACT NO. 61A96	
		ILLINOIS FED. AID PROJECT		



MATCHLINE STA 79+00
SEE SHEET 114



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE (78000200)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP DASH WHITE, 30' SKIP - 10' DASH (78000200) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL SPACED AT 80' C-C (78100100)
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PLOT DATE = 9/23/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
MEADOWVIEW LANE**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	121
			CONTRACT NO. 61A96	
			ILLINOIS FED. AID PROJECT	

EXISTING SIGNS TO BE REMOVED:

SIGN	ROADWAY	STATION	OFFSET L/R	DESCRIPTION	SIZE		SIZE PANEL		SIGN SUPPORT
					HEIGHT (FT)	WIDTH (FT)	TYPE 1 (SQ FT)	TYPE 2 (SQ FT)	
NB-BR-TS-06	BELL ROAD	2010+14.	40' RT	S5-1	4.00	2.00	8.00		POST MOUNTED (GROUND)
SB-BR-TS-11	BELL ROAD	2010+15.	30' LT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
NB-BR-TS-12	BELL ROAD	2012+74.	27' RT	R1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)
EB-ML-TS-13	MEADOWVIEW LANE	79+52.	28' RT	R1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)
WB-ML-TS-14	MEADOWVIEW LANE	80+56.	22' LT	R1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)
SB-BR-TS-15	BELL ROAD	2013+66.	29' LT	R1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)
SB-BR-TS-19	BELL ROAD	2016+64.	27' LT	S5-1	4.00	2.00	8.00		POST MOUNTED (GROUND)
NB-BR-TS-22	BELL ROAD	2017+43.	22' RT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
NB-BR-TS-25	BELL ROAD	2020+63.	6' RT	W14-3	4.00 x 4.00 x 3.00	6.00	6.00		POST MOUNTED (GROUND)
NB-BR-TS-26	BELL ROAD	2020+63.	6' RT	R4-2	2.50	2.00	5.00		POST MOUNTED (GROUND)
SB-BR-TS-27	BELL ROAD	2020+67.	38' LT	S4-3P - SPEED ZONE AHEAD	2.50	2.50	6.25		POST MOUNTED (GROUND)
SB-BR-TS-28	BELL ROAD	2020+67.	38' LT	W13-9(WHITE)	1.50	1.50	2.25		POST MOUNTED (GROUND)
SB-BR-TS-29	BELL ROAD	2020+67.	38' LT	NO CELLPHONE USE IN SCHOOL ZONE	2.00	1.50	3.00		POST MOUNTED (GROUND)
NB-BR-TS-32	BELL ROAD	2020+94.	6' RT	UNLAWFUL TO PASS STOPPED SCHOOL BUS FROM EITHER DIRECTION	2.50	2.50	6.25		POST MOUNTED (GROUND)
SB-BR-TS-34	BELL ROAD	2021+75.	39' LT	W3-3	2.50	2.50	6.25		POST MOUNTED (GROUND)
SB-BR-TS-35	BELL ROAD	2021+75.	39' LT	W16-8P - MEADOWVIEW LN	1.00	4.50	4.50		POST MOUNTED (GROUND)
SB-BR-TS-41	BELL ROAD	2024+32.	38' LT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
SB-BR-TS-42	BELL ROAD	2030+84.	41' LT	W14-3	4.00 x 4.00 x 3.00	6.00	6.00		POST MOUNTED (GROUND)
EB-WD-TS-45	WOODLAND DRIVE	9+26.	17' RT	R1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)
SB-BR-TS-62	BELL ROAD	2042+70.	41' LT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
NB-BR-TS-66	BELL ROAD	2045+00.	38' RT	W3-3	2.50	2.50	6.25		POST MOUNTED (GROUND)
NB-BR-TS-67	BELL ROAD	2045+00.	38' RT	W16-8P - 151ST ST	1.00	2.00	2.00		POST MOUNTED (GROUND)
SB-BR-TS-70	BELL ROAD	2049+78.	39' LT	W4-2	3.00	3.00	9.00		POST MOUNTED (GROUND)
NB-BR-TS-80	BELL ROAD	2005+60.	33' RT	S4-I102	2.00	2.50	5.00		POST MOUNTED (GROUND)
NB-BR-TS-81	BELL ROAD	2005+60.	33' RT	W13-1-20	1.50	1.50	2.25		POST MOUNTED (GROUND)
TOTAL:							151.00		

EXISTING SIGNS TO REMAIN:

SIGN	ROADWAY	STATION	OFFSET L/R	DESCRIPTION	SIZE		SIZE PANEL		SIGN SUPPORT
					HEIGHT (FT)	WIDTH (FT)	TYPE 1 (SQ FT)	TYPE 2 (SQ FT)	
NB-BR-TS-64	BELL ROAD	2042+70.	40' RT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
SB-BR-TS-71	BELL ROAD	2050+90.	38' LT	R2-1	2.50	2.00	5.00		POST MOUNTED (GROUND)
NB-BR-TS-75	BELL ROAD	2008+15.	40' RT	S1-1	3.00	3.00	9.00		POST MOUNTED (GROUND)

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PLOT DATE = 9/23/2021

DESIGNED - AS
DRAWN - AS
CHECKED - VP
DATE - 10/04/2021

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: N/A SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	122
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

PROPOSED SIGN SCHEDULE:

SIGN	ROADWAY	STATION	OFFSET L/R	DESCRIPTION	SIZE		INSTALL				
					HEIGHT (FT)	WIDTH (FT)	SIGN PANEL, TYPE 1 (SQ FT)	SIGN PANEL, TYPE 2 (SQ FT)	NUMBER OF SIGN SUPPORTS	TELESPAR STEEL SIGN SUPPORT (FT)	
NB-BR-TS-01	BELL ROAD	2004+99.	42' RT	W3-3	2.50	2.50	6.25		1	16	
NB-BR-TS-02	BELL ROAD	2004+99.	42' RT	W16-8P - MEADOWVIEW LN	1.00	4.00	4.00		SH		
SB-BR-TS-03	BELL ROAD	2008+09.	41' LT	W3-3	2.50	2.50	6.25		1	16	
SB-BR-TS-04	BELL ROAD	2008+09.	41' LT	W16-8P - 159TH ST	1.00	2.50	2.50		SH		
SB-BR-TS-05	BELL ROAD	2009+33	41' LT	2 LEFT TURNS & 1 RIGHT TURN	3.00	6.00		18.00	2	14	
NB-BR-TP-07	BELL ROAD	2010+14.	40' RT	S4-I100	4.00	2.00	8.00		PM		
NB-BR-TP-08	BELL ROAD	2010+14.	40' RT	R2-6P	2.00	2.00	4.00		PM		
SB-BR-TS-09	BELL ROAD	2010+15.	41' LT	R2-1	2.50	2.00	5.00		1	16	
SB-BR-TS-10	BELL ROAD	2010+15.	41' LT	S5-2	2.50	2.00	5.00		SH		
NB-BR-TS-16	BELL ROAD	2013+90.	5' RT	R4-7	2.50	2.00	5.00		1	14	
SB-BR-TS-17	BELL ROAD	2013+90.	5' RT	R3-5L	3.00	2.50	7.50		SH		
SB-BR-TS-17a	BELL ROAD	2013+90.	5' RT	R3-5bP	1.00	2.50	2.50		SH		
NB-BR-TS-18	BELL ROAD	2016+11.	5' RT	R6-1	1.00	3.00	3.00		1	12	
SB-BR-TS-20	BELL ROAD	2016+64.	41' LT	S4-I100	4.00	2.00	8.00		PM		
SB-BR-TS-21	BELL ROAD	2016+64.	41' LT	R2-6P	2.00	2.00	4.00		PM		
NB-BR-TS-23	BELL ROAD	2016+64.	42' RT	R2-1	2.50	2.00	5.00		1	16	
NB-BR-TS-24	BELL ROAD	2016+64.	42' RT	S5-2	2.50	2.00	5.00		SH		
SB-BR-TS-30	BELL ROAD	2020+67.	38' LT	S4-5	3.00	3.00	9.00		1	17	
NB-BR-TS-33	BELL ROAD	2020+94.	41' RT	UNLAWFUL TO PASS STOPPED SCHOOL BUS	2.00	2.50	5.00		1	14	
SB-BR-TS-36	BELL ROAD	2021+75.	39' LT	W3-3	2.50	2.50	6.25		1	16	
SB-BR-TS-37	BELL ROAD	2021+75.	39' LT	W16-8P - MEADOWVIEW LN	1.00	4.00	4.00		SH		
NB-BR-TS-38	BELL ROAD	2023+76.	42' RT	W2-2	2.50	2.50	6.25		1	16	
NB-BR-TS-39	BELL ROAD	2023+76.	42' RT	W16-8P - WOODLAND DR	1.00	3.50	3.50		SH		
SB-BR-TS-40	BELL ROAD	2024+32.	38' LT	R2-1	2.50	2.00	5.00		1	14	
NB-BR-TS-43	BELL ROAD	2031+15.	6' LT	R3-5L	3.00	2.50	7.50		SH		
NB-BR-TS-43a	BELL ROAD	2031+15.	6' LT	R3-5bP	1.00	2.50	2.50		SH		
SB-BR-TS-44	BELL ROAD	2031+15.	6' LT	R4-7	2.50	2.00	5.00		1	14	
EB-WD-TS-46	WOODLAND DR	9+34.	27' RT	R1-1	3.00	3.00	9.00		1	14	
SB-BR-PM-47	BELL ROAD	2031+98.	64' LT	W16-8P - WOODLAND DR	1.00	3.50	3.50		LP		
SB-BR-PM-48	BELL ROAD	2031+98.	64' LT	BELL RD	1.00	3.00	3.00		LP		
NB-BR-TS-50	BELL ROAD	2032+31.	3' LT	R4-7	2.50	2.00	5.00		SH		
SB-BR-TS-51	BELL ROAD	2034+05.	50' LT	R3-5fP	1.00	2.50	2.50		SH		
SB-BR-TS-52	BELL ROAD	2034+05.	50' LT	R3-5R	3.00	2.50	7.50		1	14	
NB-BR-TS-53	BELL ROAD	2035+09.	52' RT	R3-5R	3.00	2.50	7.50		1	14	
NB-BR-TS-54	BELL ROAD	2035+09.	52' RT	R3-5fP	1.00	2.50	2.50		SH		
SB-BR-TS-55	BELL ROAD	2036+87.	2' RT	R4-7	2.50	2.00	5.00		1	14	
SB-BR-TS-56	BELL ROAD	2038+24.	6' RT	R3-5bP	1.00	2.50	2.50		SH		
SB-BR-TS-57	BELL ROAD	2038+24.	6' RT	R3-5L	3.00	2.50	7.50		1	14	
NB-BR-TS-58	BELL ROAD	2038+24.	6' RT	R4-7	2.50	2.00	5.00		SH		
EB-BR-TS-59	BELL ROAD	2039+86.	5' RT	R6-1	1.00	3.00	3.00		1	14	
SB-BR-TS-60	BELL ROAD	2040+95.	41' LT	W2-2	2.50	2.50	6.25		1	12	
SB-BR-TS-61	BELL ROAD	2040+95.	41' LT	W16-8P - WOODLAND DR	1.00	3.50	3.50		1	16	
SB-BR-TS-63	BELL ROAD	2042+70.	41' LT	R2-1	2.50	2.00	5.00		SH		
EB-BR-TS-65	BELL ROAD	2043+88.	5' LT	R6-1	1.00	3.00	3.00		1	14	
NB-BR-TS-68	BELL ROAD	2045+00.	41' RT	W3-3	2.50	2.50	6.25		1	12	
NB-BR-TS-69	BELL ROAD	2045+00.	41' RT	W16-8P - 151 ST	1.00	3.00	3.00		1	16	
EB-BR-TS-72	BELL ROAD	2051+61.	6' LT	R6-1	1.00	3.00	3.00		SH		
NB-BR-TS-73	BELL ROAD	2052+37.	6' LT	R3-5L	3.00	2.50	7.50		1	12	
NB-BR-TS-73a	BELL ROAD	2052+37.	6' LT	R3-5bP	1.00	2.50	2.50		SH		
SB-BR-TS-74	BELL ROAD	2052+37.	6' LT	R4-7	2.50	2.00	5.00		SH		
NB-BR-TS-76	BELL ROAD	2008+15.	40' RT	W16-9P	2.00	1.00	2.00		SH		
NB-BR-TS-77	BELL ROAD	2005+46.	41' RT	S4-5	3.00	3.00	9.00		1	14	
SB-BR-TS-78	BELL ROAD	2018+65.	40' LT	S1-1	3.00	3.00	9.00		1	14	
SB-BR-TS-79	BELL ROAD	2018+65.	40' LT	W16-9P	2.00	1.00	2.00		SH		
					TOTAL:			265.50*	18.00*		389

* NOT A TOTAL QUANTITY

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	DRAWN - AS	REVISED -
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PLOT DATE = 9/23/2021	DATE - 10/04/2021	REVISED -

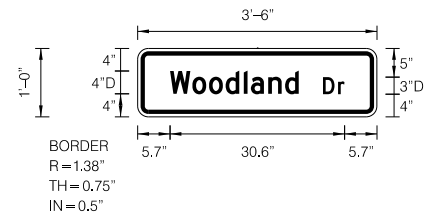
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: N/A SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 123
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	

SIGN DETAIL
1:20



Panel Style: warning_Rectangular.ssi
Dimensions are in Inches, tenths

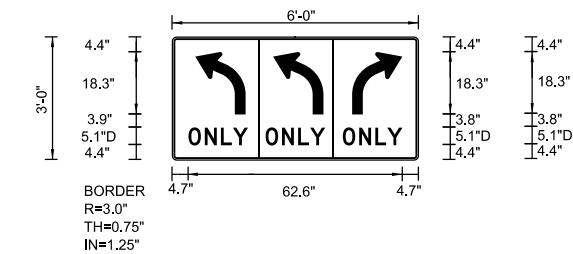
Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
W	o	o	d	l	a	n	d					22.6	D 2000 4.3
5.7	9.6	12.5	15.4	18.6	19.9	22.9	25.9						
D	r											3.8	D 2000 32.3
32.5	35.2												

SIGN NUMBER	NB-BR-TS-39 & SB-BR-TS-6
WIDTH x HGHT.	3'-6" x 1'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	1.38"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

SIGN DETAIL
1:100



Panel Style: regulatory.ssi
Dimensions are in Inches, tenths

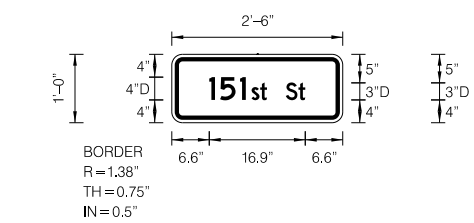
Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
O	N	L	Y									17.4	D 2000 5.1
4.7	9.5	14.2	17.7										
O	N	L	Y									17.4	D 2000 5.1
27.3	32.1	36.8	40.3										
O	N	L	Y									17.4	D 2000 5.1
49.9	54.7	59.4	62.9										

SIGN NUMBER	SB-BR-TS-05
WIDTH x HGHT.	6'-0" x 3'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	3.0"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_RIGHT_ONLY	180	6.7	13.4	14.7	18.3
AR_RIGHT_ONLY	0	30	13.4	14.7	18.3
AR_RIGHT_ONLY	0	52.6	13.4	14.7	18.3

SIGN DETAIL
1:20



Panel Style: warning_Rectangular.ssi
Dimensions are in Inches, tenths

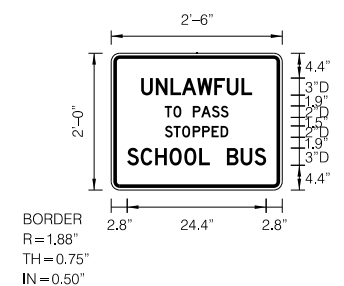
Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
1	5	1	s	t	S	t						16.9	D 2000 4.32.3
6.6	8.5	12	14	15.5	20	22.2							

SIGN NUMBER	NB-BR-TS-69
WIDTH x HGHT.	2'-6" x 1'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	1.38"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

SIGN DETAIL
1:20



Panel Style: regulatory.ssi
Dimensions are in Inches, tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
U	N	L	A	W	F	U	L					19.5	D 2000 3
5.2	7.8	10.4	12.4	15.1	18.1	20.3	22.9						
T	O	P	A	S	S							11.2	D 2000 2
9.4	10.9	12.3	14.3	15.8	17.7	19.2							
S	T	O	P	P	E	D						11.1	D 2000 2
9.4	10.9	12.4	14.3	16	17.6	19.2							
S	C	H	O	O	L	B	U	S				24.4	D 2000 3
2.8	5.2	7.7	10.2	12.8	15.4	17.3	20.3	22.7	25.2				

SIGN NUMBER	NB-BR-TS-33
WIDTH x HGHT.	2'-6" x 2'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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PLOT DATE = 9/23/2021	CHECKED - VP	REVISED -
	DATE - 10/04/2021	REVISED -

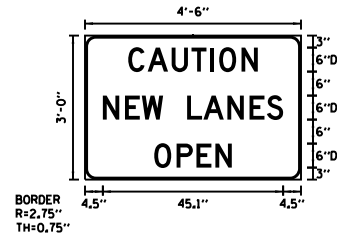
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN DETAILS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	125
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

SIGN DETAIL
1:30



SIGN NUMBER	TEMP_1
WIDTH x HGHT.	4'-6" x 3'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	2.75"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black

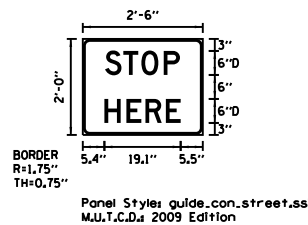
SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_con_street.ssi
Dimensions are in inches, tenths

Letter locations are paneled to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE	
C	A	U	T	I	O	N										D 2000
10.8	15.7	21.7	26.6	31.3	33.5	39.1										32.4 6
N	E	W		L	A	N	E	S								D 2000
4.5	10	14.2	19.5	25.5	29.6	35.6	41.1	45.5								45.1 6
O	P	E	N													D 2000
17.3	22.9	27.9	32.6													19.4 6

SIGN DETAIL
1:30



SIGN NUMBER	TEMP_2
WIDTH x HGHT.	2'-6" x 2'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	1.75"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_con_street.ssi
Dimensions are in inches, tenths

Letter locations are paneled to lower left corner

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE	
S	T	O	P													D 2000
5.6	10.1	14.6	20.2													18.7 6
H	E	R	E													D 2000
5.4	10.9	15.7	20.8													19.1 6

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DATE	- 10/04/2021

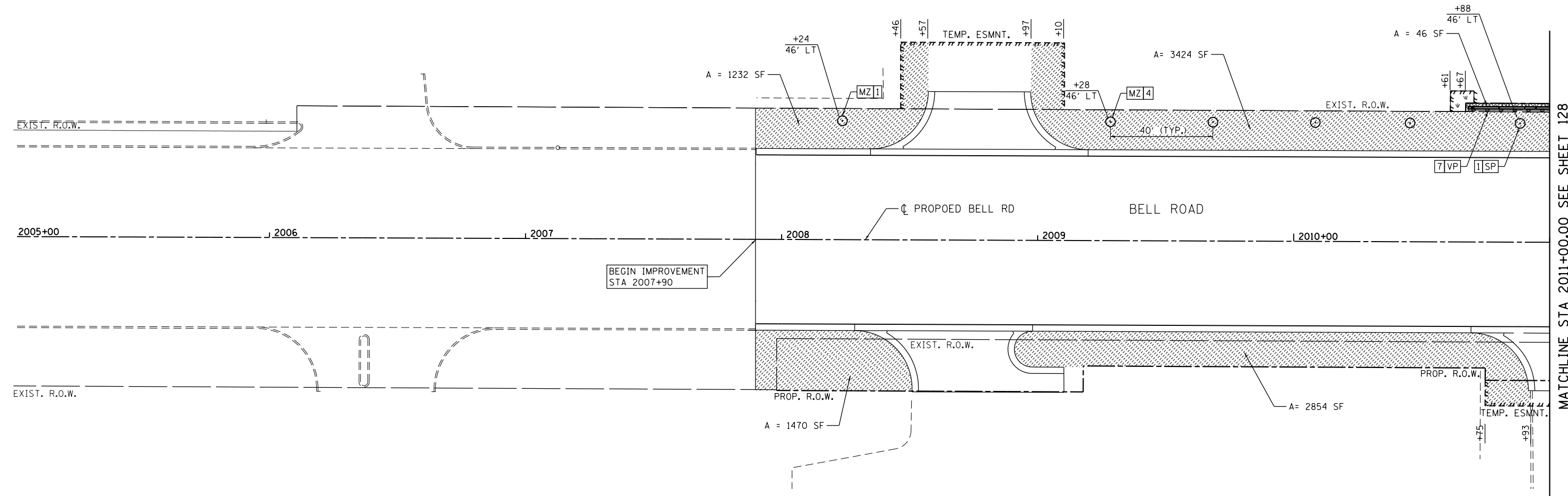
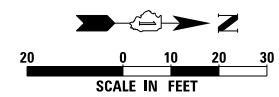
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REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNING DETAILS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	126
CONTRACT NO.				61A96
ILLINOIS		FED. AID PROJECT		



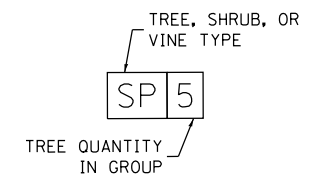
MATCHLINE STA 2011+00.00 SEE SHEET 128

LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
SEEDING, CLASS 5 (MODIFIED) (X2501820)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C
- SEEDING, CLASS 4A (MODIFIED) (X2502014)
SEEDING, CLASS 5A (MODIFIED) (X2500322)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
- UP - TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED
- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGELMANNII VIRGINIA CREEPER)



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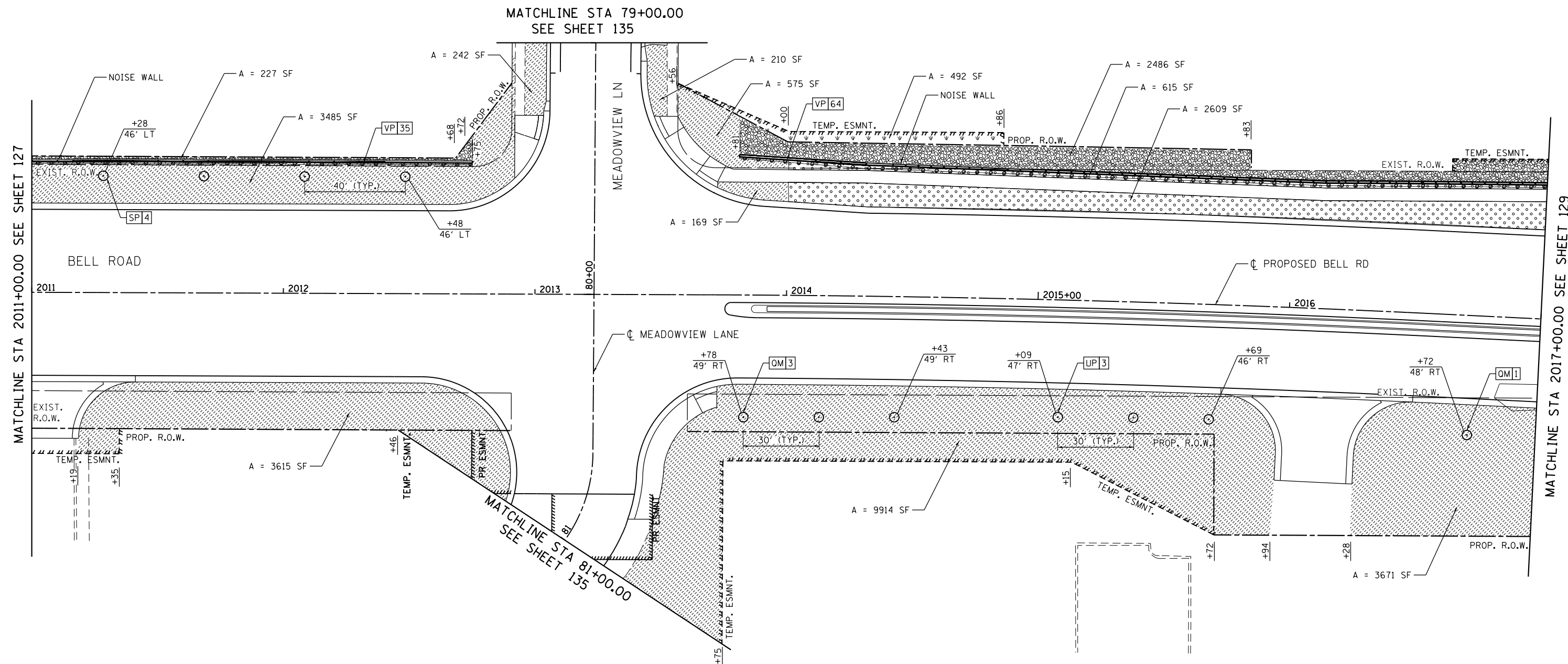
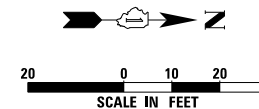
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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
BELL ROAD**

SCALE: 1" = 20' SHEET 1 OF 9 SHEETS STA. 2007+90 TO STA. 2011+00

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 127
			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				

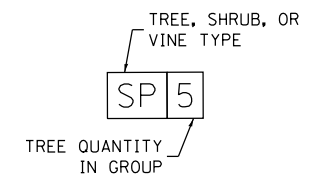


LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
- SEEDING, CLASS 5 (MODIFIED) (X2501820)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C
- SEEDING, CLASS 4A (MODIFIED) (X2502014)
- SEEDING, CLASS 5A (MODIFIED) (X2500322)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
- UP - TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED
- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER)



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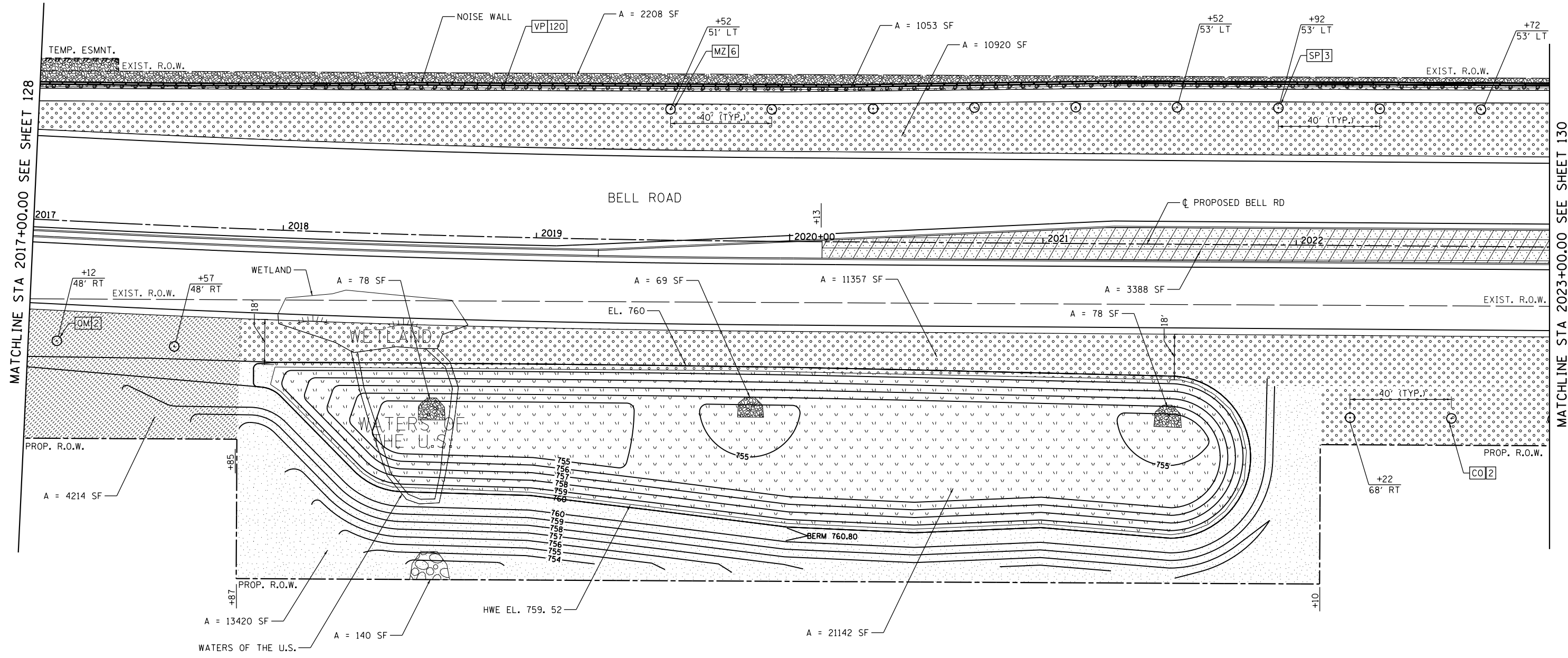
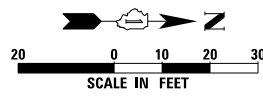
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**LANDSCAPING PLAN
BELL ROAD**

SCALE: 1" = 20' SHEET 2 OF 9 SHEETS STA. 2011+00 TO STA. 2017+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	128
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



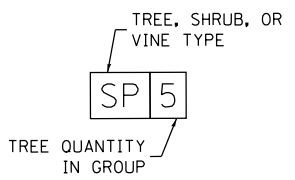
LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
- SEEDING, CLASS 5 (MODIFIED) (X2501820)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGLMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

- SEEDING, CLASS 4A (MODIFIED) (X2502014)
- SEEDING, CLASS 5A (MODIFIED) (X2500322)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGLMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
- UP - TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED
- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKO BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGLMANNII VIRGINIA CREEPER)



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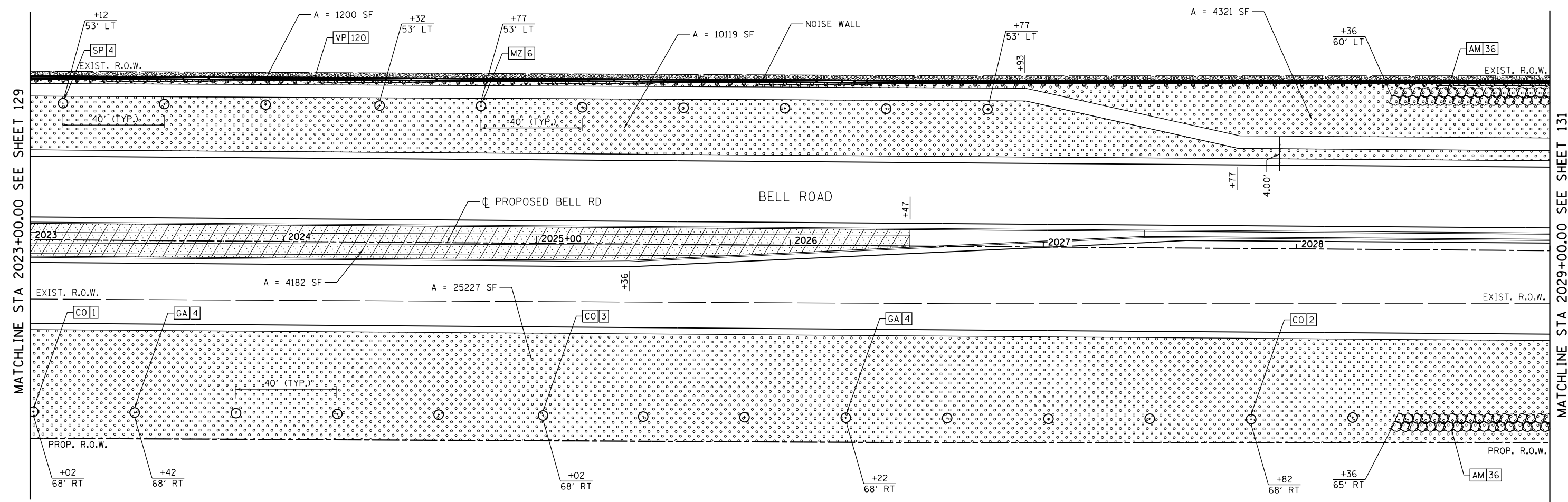
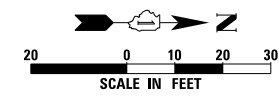


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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 3 OF 9 SHEETS
STA. 2017+00	TO STA. 2023+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	129
CONTRACT NO. 61A96				
ILLINOIS		FED. AID PROJECT		



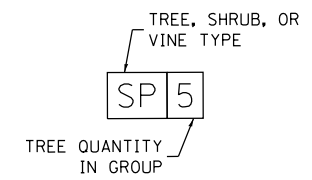
LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
- SEEDING, CLASS 5 (MODIFIED) (X2501820)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

- SEEDING, CLASS 4A (MODIFIED) (X2502014)
- SEEDING, CLASS 5A (MODIFIED) (X2500322)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- PROPOSED TREE
- PROPOSED SHRUB

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
- UP - TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED
- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER)



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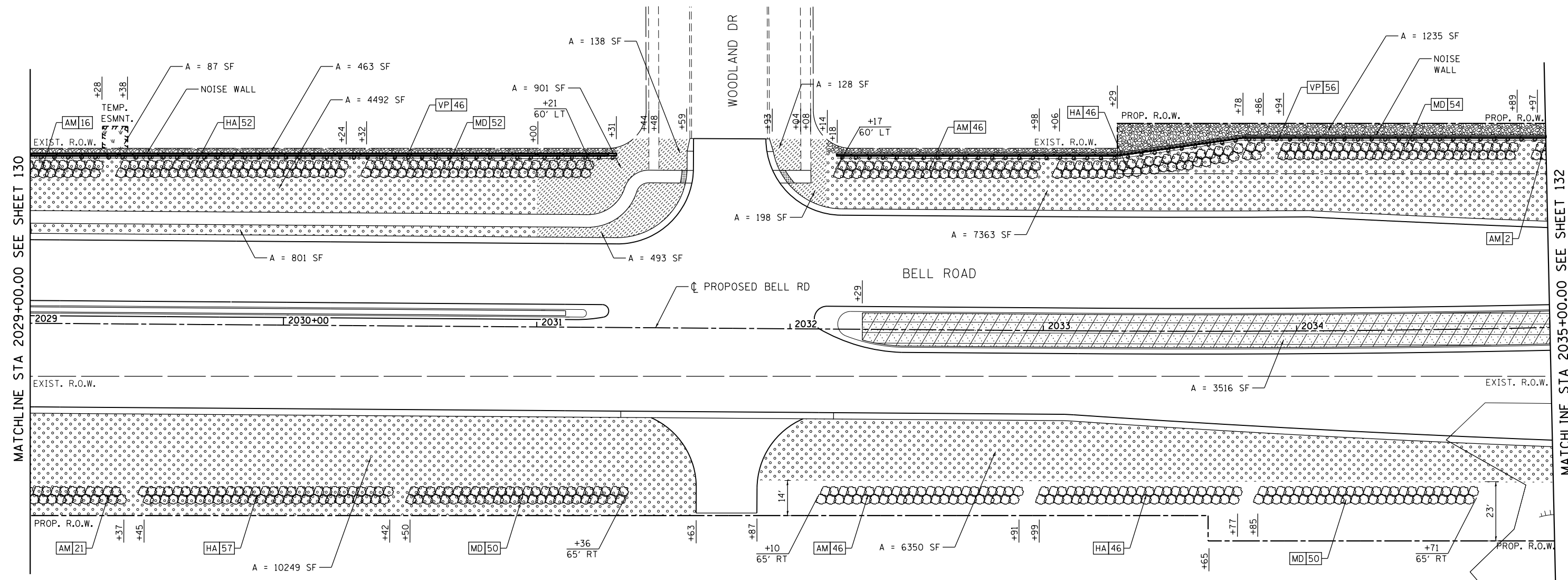
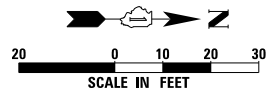


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPING PLAN BELL ROAD	
SCALE: 1" = 20'	SHEET 4 OF 9 SHEETS
STA. 2023+00	TO STA. 2029+00

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 130
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

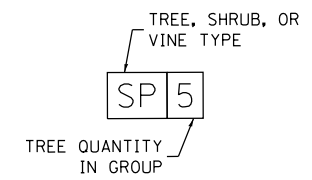


LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
SEEDING, CLASS 5 (MODIFIED) (X2501820)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGLMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
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- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
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- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGLMANNII VIRGINIA CREEPER)



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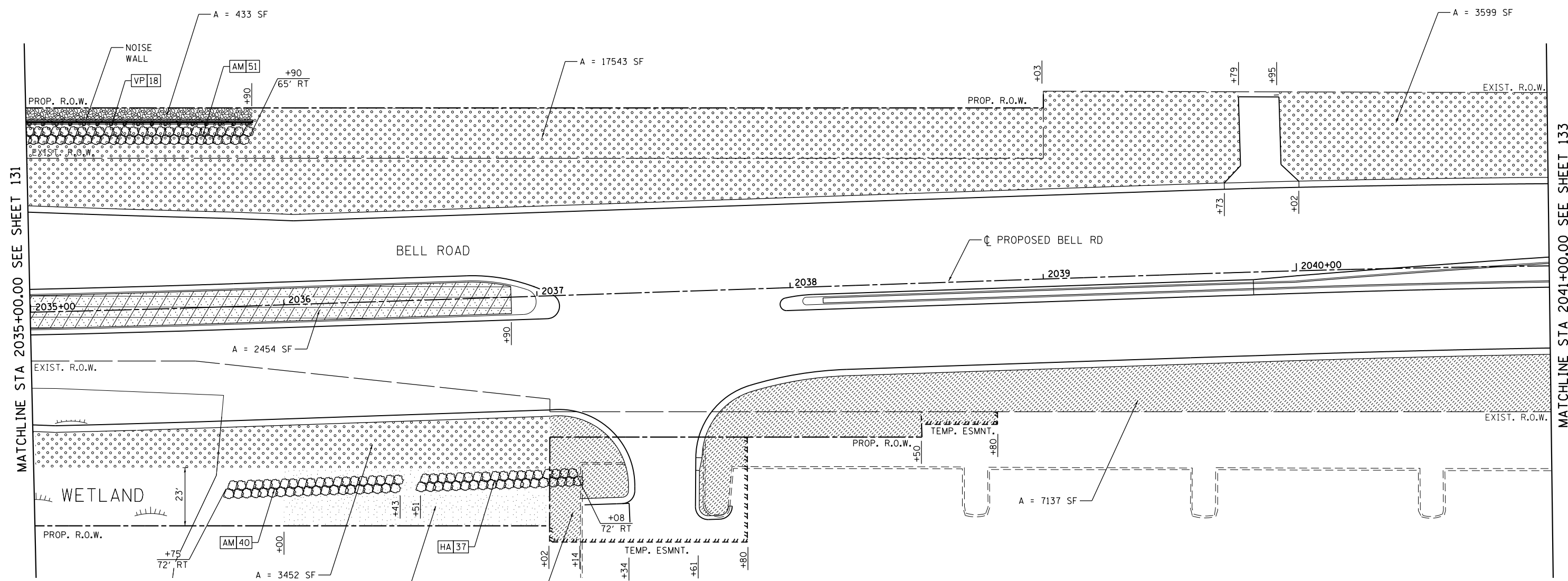
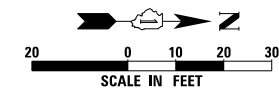


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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 5 OF 9 SHEETS
STA. 2029+00	TO STA. 2035+00

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 131
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



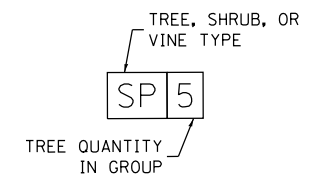
LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
SEEDING, CLASS 5 (MODIFIED) (X2501820)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT (E20210G1) WITH 5' C-C

- SEEDING, CLASS 4A (MODIFIED) (X2502014)
- SEEDING, CLASS 5A (MODIFIED) (X2500322)
- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
- UP - TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED
- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER)



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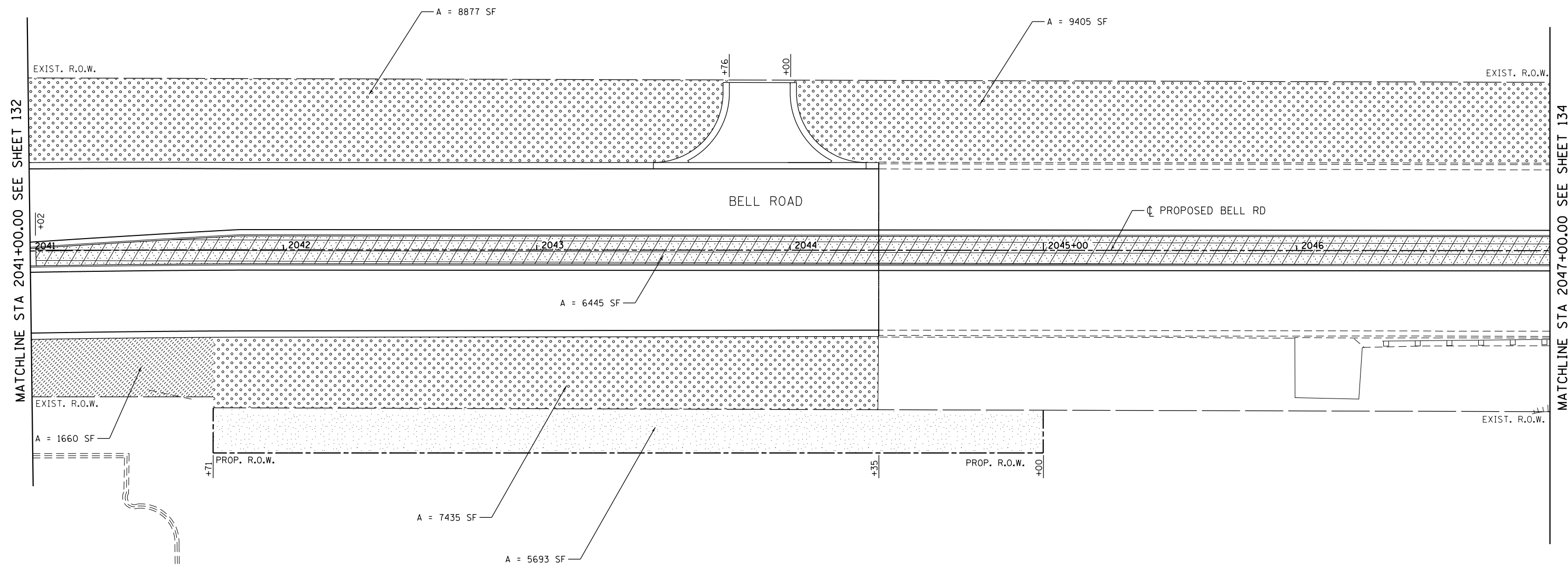
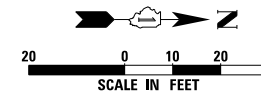
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN	
BELL ROAD	
SCALE: 1" = 20'	SHEET 6 OF 9 SHEETS
STA. 2035+00	TO STA. 2041+00

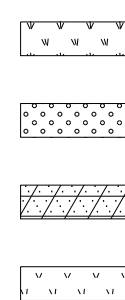
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	

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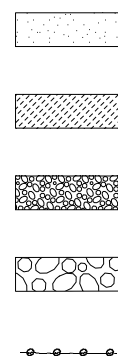
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LANDSCAPE LEGEND



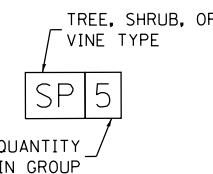
- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 4 (MODIFIED) (X2501800)
SEEDING, CLASS 5 (MODIFIED) (X2501820)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)



- SEEDING, CLASS 4A (MODIFIED) (X2502014)
SEEDING, CLASS 5A (MODIFIED) (X2500322)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL
MANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- OM - TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED
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- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
- GA - TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- AM - SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY)
- HA - SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA)
- MD - SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS)
- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER)



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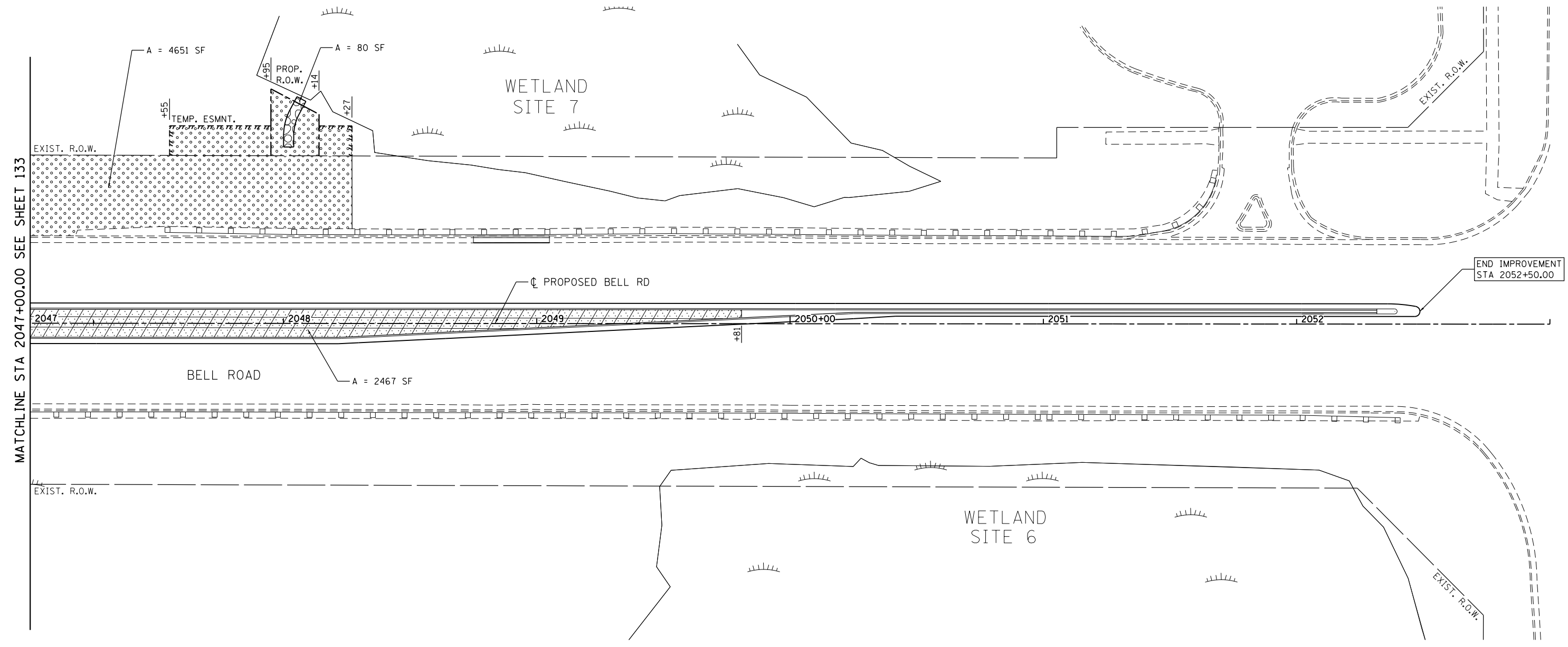
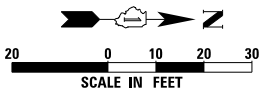
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
BELL ROAD

SCALE: 1" = 20' SHEET 7 OF 9 SHEETS STA. 2041+00 TO STA. 2047+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	133
			CONTRACT NO. 61A96	
		ILLINOIS FED. AID PROJECT		

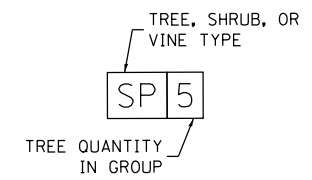


LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
24" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
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- SEEDING, CLASS 4 (MODIFIED) (X2501800)
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- 6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SODDING, SALT TOLERANT (25200110)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- STONE RIPRAP, CLASS A3 (28100105)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- STONE RIPRAP, CLASS A4 (28100107)
FILTER FABRIC (28200200)
BEDDING (STONE RIPRAP, CLASS A1) (28100101)
- VINE-PARTHENOCISSUS QUINQUEFOLIA ENGELMANNII (ENGELMANNII VIRGINIA CREEPER),
1-GALLON POT (E20210G1) WITH 5' C-C

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

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- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
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- VP - VINE, VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER)



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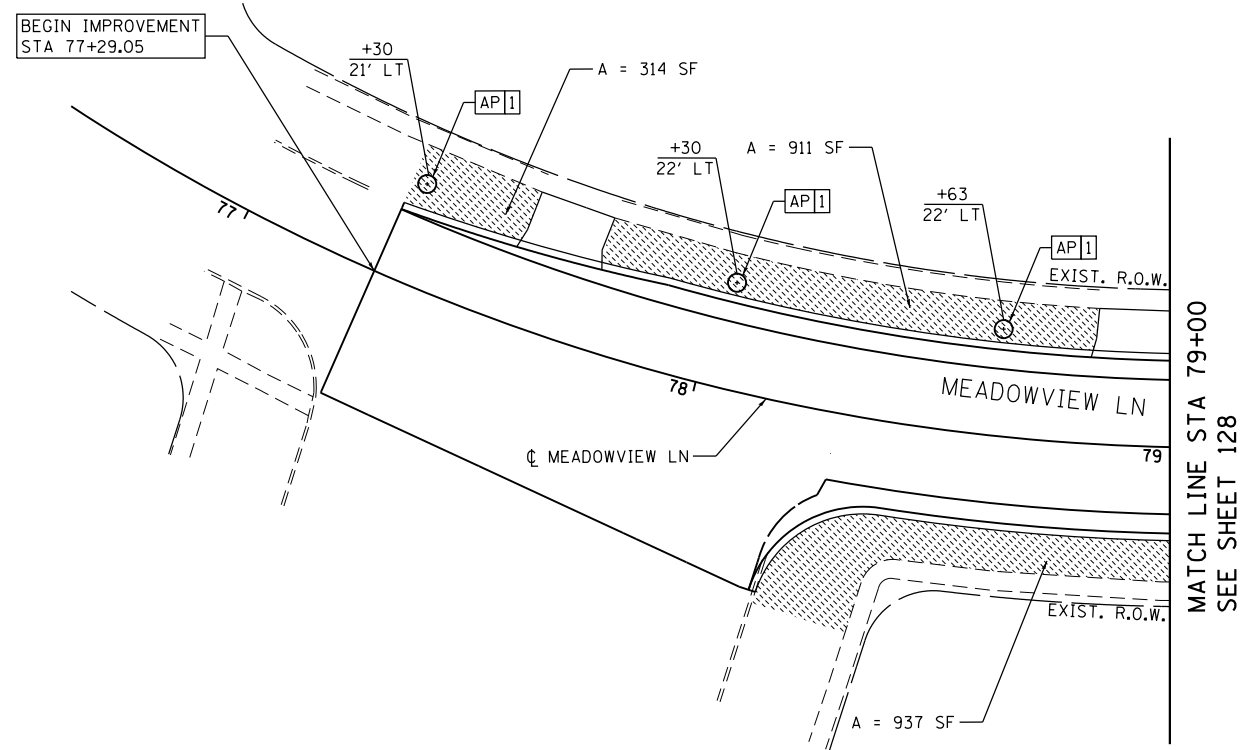
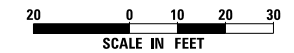
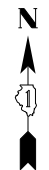
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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

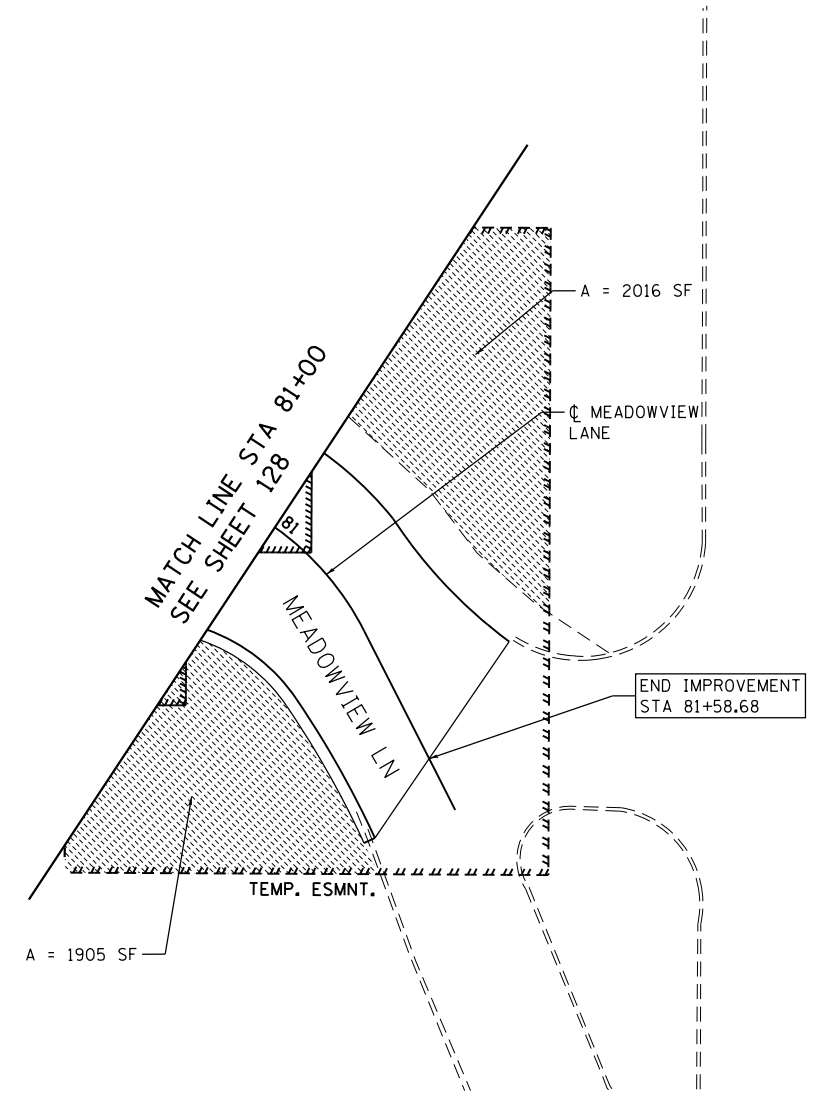
**LANDSCAPING PLAN
BELL ROAD**

SCALE: 1" = 20' SHEET 8 OF 9 SHEETS STA. 2047+00 TO STA. 2050+13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	134
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



MATCH LINE STA 79+00
SEE SHEET 128

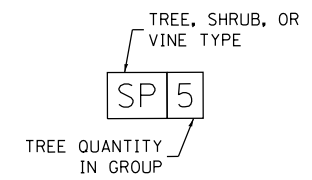


LANDSCAPE LEGEND

- SEEDING, CLASS 1B (25000115)
6" - TOPSOIL EXCAVATION AND PLACEMENT (21101505)
WITH EROSION CONTROL BLANKET (25100630)
- SEEDING, CLASS 2A SALT TOLERANT ROADSIDE MIX (25000210)
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WITH EROSION CONTROL BLANKET (25100630)

TREE LEGEND, SHRUB LEGEND, & VINE LEGEND

- AP - TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED
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- MZ - TREE, MALUS ZUMI CALOCARPA (REDBUS ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- SP - TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- CO - TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED
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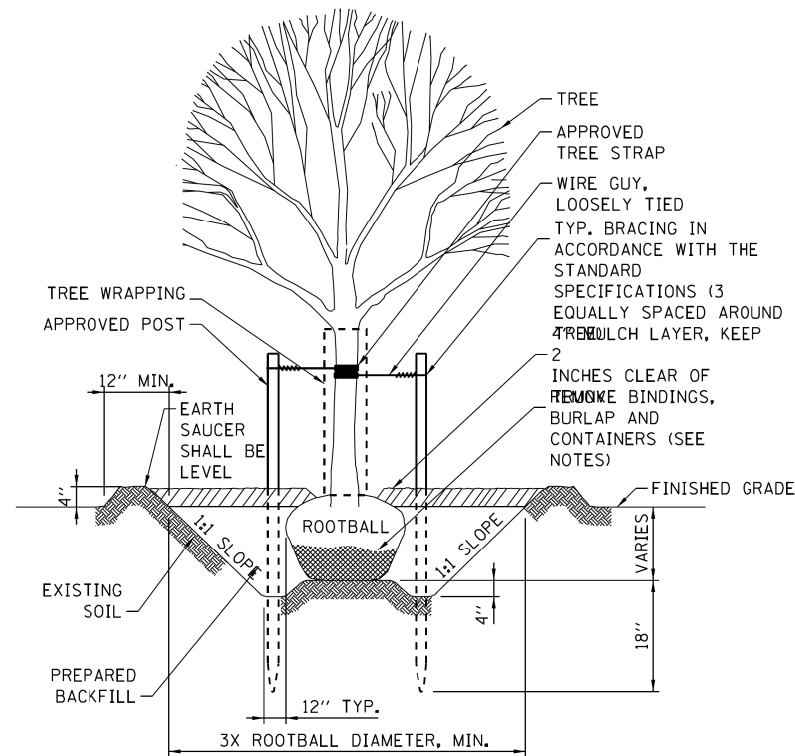
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PLOT DATE = 9/23/2021	CHECKED - VP	REVISED -
	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

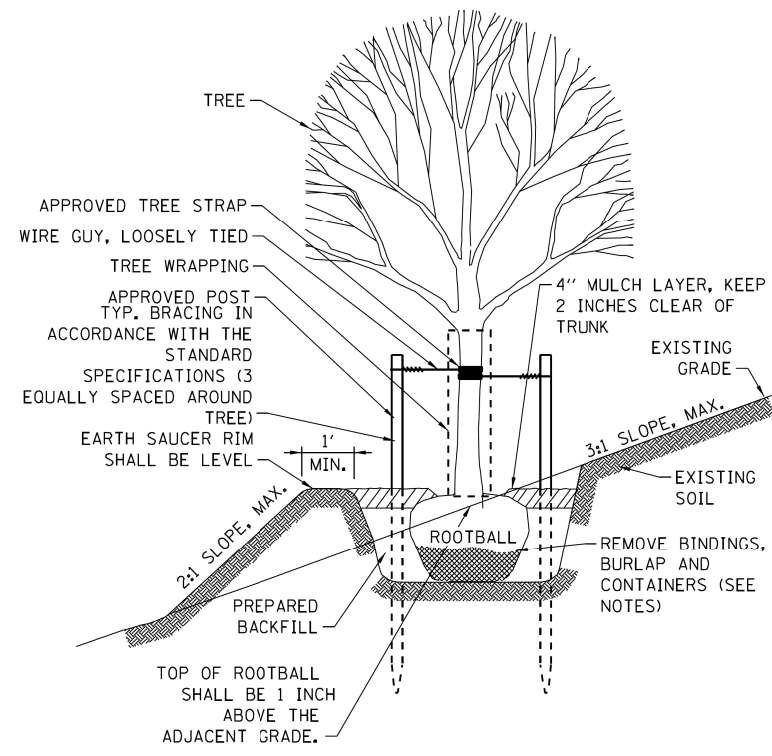
LANDSCAPING PLAN
MEADOWVIEW LANE

SCALE: 1" = 20' SHEET 9 OF 9 SHEETS STA. 77+28 TO STA. 81+55

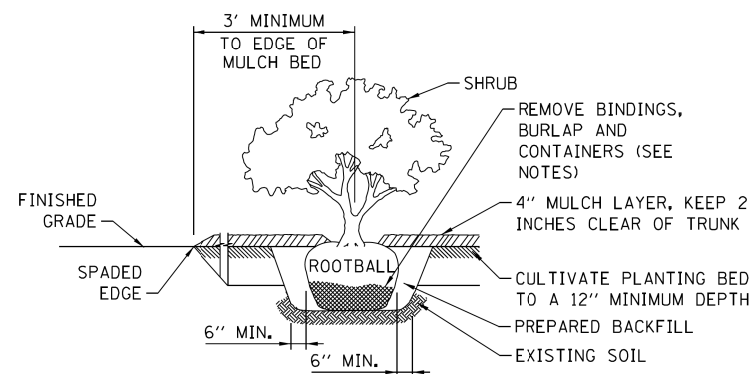
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



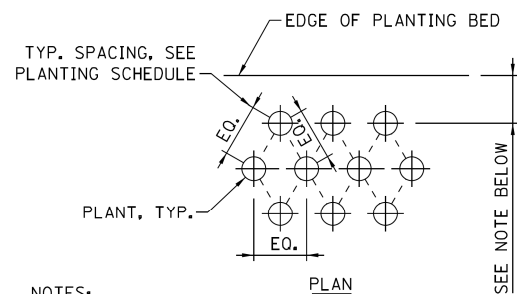
DECIDUOUS TREE PLANTING DETAIL



STEEP SLOPE PLANTING DETAIL



SHRUB PLANTING DETAIL



NOTES:

OFFSET OF PLANTS FROM EDGE OF PLANTING AREA SHALL BE EQUAL TO HALF OF THE PLANT SPACING REQUIREMENT FOR EACH PLANT SPECIES AS SHOWN IN THE PLANTING SCHEDULE, OR 3' MINIMUM, UNLESS OTHERWISE INDICATED.

SHRUB AND GROUND COVER SPACING DETAIL

(B2006016) TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2010+88	LT	46	1
BELL RD	2011+28	LT	46	1
BELL RD	2011+68	LT	46	1
BELL RD	2012+08	LT	46	1
BELL RD	2012+48	LT	46	1
BELL RD	2021+92	LT	53	1
BELL RD	2022+32	LT	53	1
BELL RD	2022+72	LT	53	1
BELL RD	2023+12	LT	53	1
BELL RD	2023+52	LT	53	1
BELL RD	2023+92	LT	53	1
BELL RD	2024+32	LT	53	1
TOTAL				12

(A2006716) TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2013+83	RT	49	1
BELL RD	2014+13	RT	49	1
BELL RD	2014+43	RT	49	1
BELL RD	2016+72	RT	48	1
BELL RD	2017+12	RT	48	1
BELL RD	2017+57	RT	48	1
TOTAL				6

(A2008722) TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2015+09	RT	47	1
BELL RD	2015+39	RT	46	1
BELL RD	2015+69	RT	46	1
TOTAL				3

(A2002714) TREE, CARYA OVATA (SHAGBARK HICKORY), 1-3/4" CALIPER, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2022+22	RT	68	1
BELL RD	2022+62	RT	68	1
BELL RD	2023+02	RT	68	1
BELL RD	2025+02	RT	68	1
BELL RD	2025+42	RT	68	1
BELL RD	2025+82	RT	68	1
BELL RD	2027+82	RT	68	1
BELL RD	2028+22	RT	68	1
TOTAL				8

(B0001716) TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2023+42	RT	68	1
BELL RD	2023+82	RT	68	1
BELL RD	2024+22	RT	68	1
BELL RD	2024+62	RT	68	1
BELL RD	2026+22	RT	68	1
BELL RD	2026+62	RT	68	1
BELL RD	2027+02	RT	68	1
BELL RD	2027+42	RT	68	1
TOTAL				8

(C2C03424) SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT CONTAINER

ROADWAY	FROM STA	TO STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2029+38	2030+24	LT	60	52
BELL RD	2029+45	2030+42	RT	65	57
BELL RD	2033+06	2033+86	LT	60	46
BELL RD	2032+99	2033+77	RT	65	46
BELL RD	2036+51	2037+08	RT	72	37
TOTAL					238

(B2005316) TREE, MALUS ZUMI CALOCARPA (REDBUD ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

SHEET	ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
LND-01	BELL RD	2008+24	LT	46	1
LND-01	BELL RD	2009+28	LT	46	1
LND-01	BELL RD	2009+68	LT	46	1
LND-01	BELL RD	2010+08	LT	46	1
LND-01	BELL RD	2010+48	LT	46	1
LND-03	BELL RD	2019+52	LT	51	1
LND-03	BELL RD	2019+92	LT	52	1
LND-03	BELL RD	2020+32	LT	52	1
LND-03	BELL RD	2020+72	LT	52.5	1
LND-03	BELL RD	2021+12	LT	52.5	1
LND-03	BELL RD	2021+52	LT	53	1
LND-04	BELL RD	2024+77	LT	53	1
LND-04	BELL RD	2025+17	LT	53	1
LND-04	BELL RD	2025+57	LT	53	1
LND-04	BELL RD	2025+97	LT	53	1
LND-04	BELL RD	2026+37	LT	53	1
LND-04	BELL RD	2026+77	LT	53	1
TOTAL					17

(A2008470) TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED

ROADWAY	STA	SIDE	OFFSET (FT)	COUNT
MEADOWVIEW LN	77+30	LT	21	1
MEADOWVIEW LN	78+03	LT	22	1
MEADOWVIEW LN	78+63	LT	22	1
TOTAL				3

(C2C04512) SHRUB, MICROBIOTA DECUSSATA (SIBERIAN CYPRESS), 2' HEIGHT, CONTAINER

ROADWAY	FROM STA	TO STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2030+32	2031+21	LT	60	52
BELL RD	2030+50	2031+36	RT	65	50
BELL RD	2033+94	2034+89	LT	65	54
BELL RD	2033+85	2034+71	RT	65	50
TOTAL					206

(E20210G1) VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1-GALLON POT

ROADWAY	FROM STA	TO STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2010+67	2011+00	LT	51	7
BELL RD	2011+00	2012+75	LT	51	35
BELL RD	2013+81	2017+00	LT	55	64
BELL RD	2017+00	2023+00	LT	63	120
BELL RD	2023+00	2029+00	LT	63	120
BELL RD	2029+00	2031+31	LT	63	46
BELL RD	2032+18	2035+00	LT	74	56
BELL RD	2035+00	2035+90	LT	72	18
TOTAL					466

(C2C00524) SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 2' HEIGHT, CONTAINER

ROADWAY	FROM STA	TO STA	SIDE	OFFSET (FT)	COUNT
BELL RD	2028+36	2029+00	LT	60	36
BELL RD	2028+36	2029+00	RT	65	36
BELL RD	2029+00	2029+28	LT	60	16
BELL RD	2029+00	2029+37	RT	65	21
BELL RD	2032+18	2032+98	LT	60	46
BELL RD	2032+10	2032+91	RT	65	46
BELL RD	2034+97	2035+00	LT	65	2
BELL RD	2035+00	2035+90	LT	65	51
BELL RD	2035+75	2036+43	RT	72	40
TOTAL					294

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DESIGNED - EC
 DRAWN - EC
 CHECKED - VP
 DATE - 10/04/2021

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPING DETAILS AND SCHEDULES
 BELL ROAD

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 0356 99-00147-07-FP WILL 229 136
 CONTRACT NO. 61A96
 ILLINOIS FED. AID PROJECT

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE 1					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

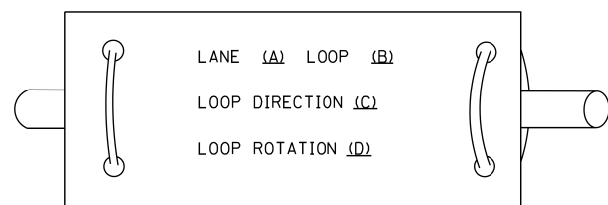
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0356	99-00147-07-FP	WILL	229	137
TS-05		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				

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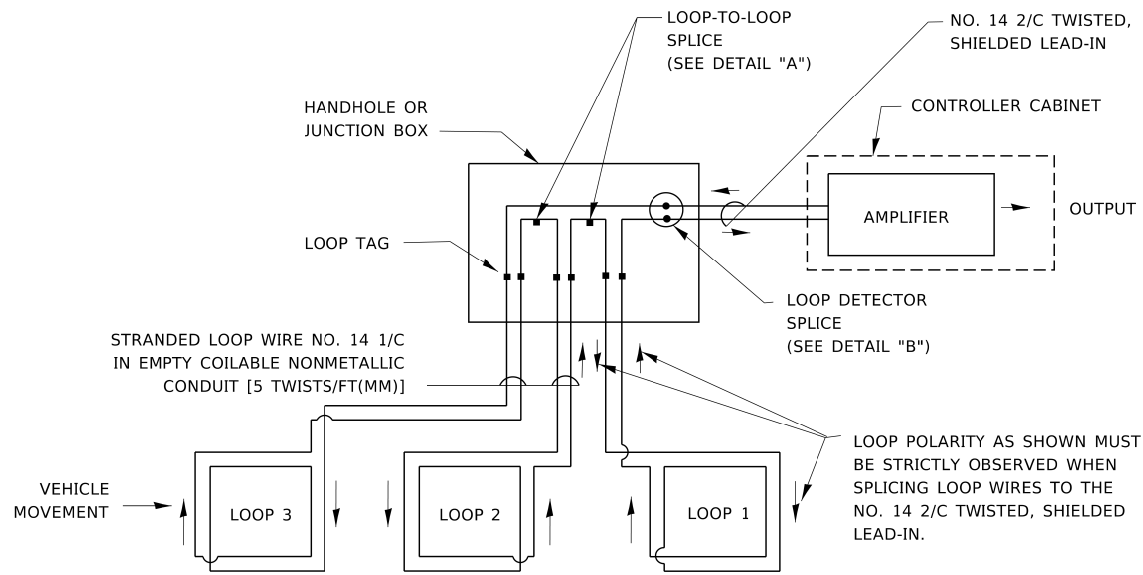
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

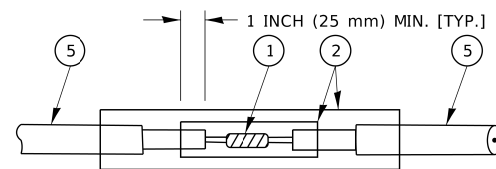


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

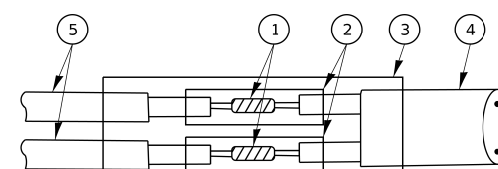


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

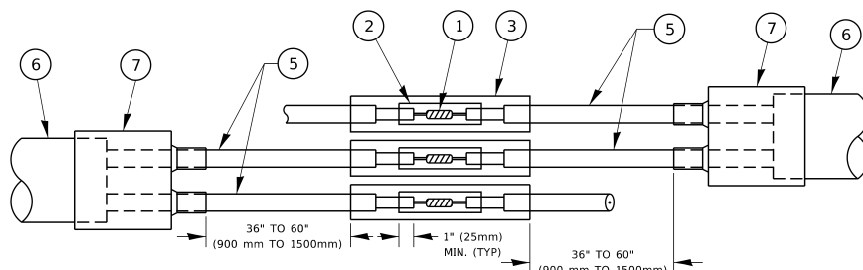


DETAIL "A"
LOOP-TO-LOOP SPLICE

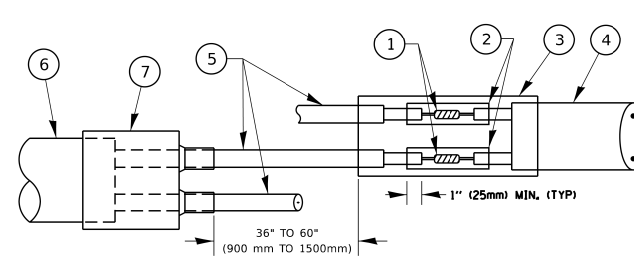


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO-CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

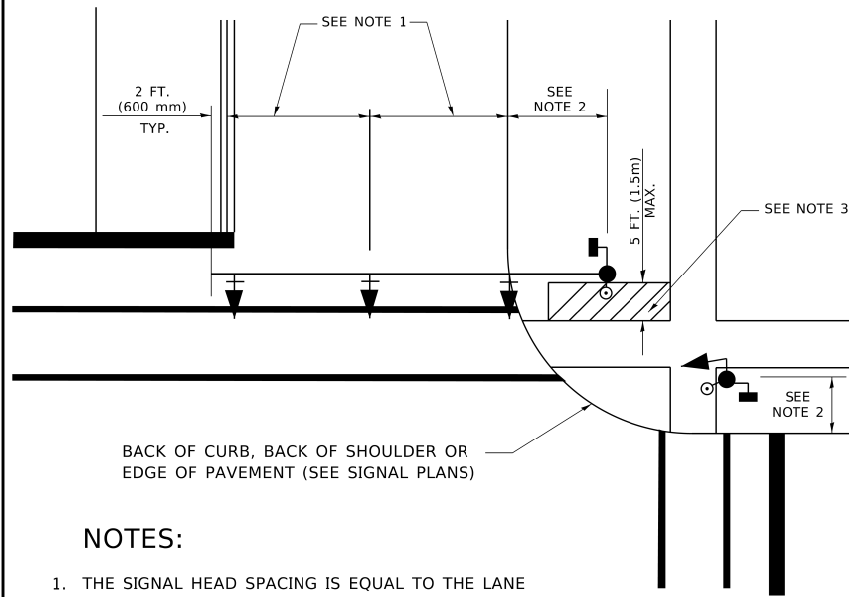
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	138
TS-05		CONTRACT NO. 61A96		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

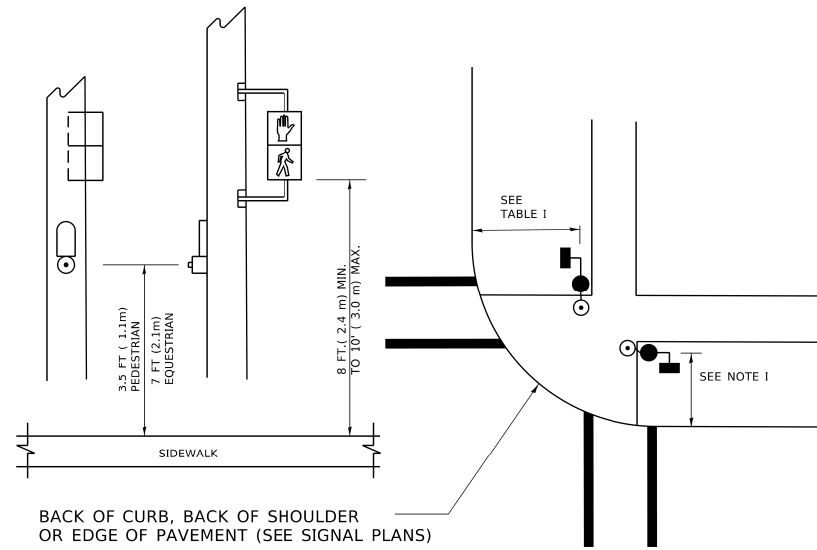
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

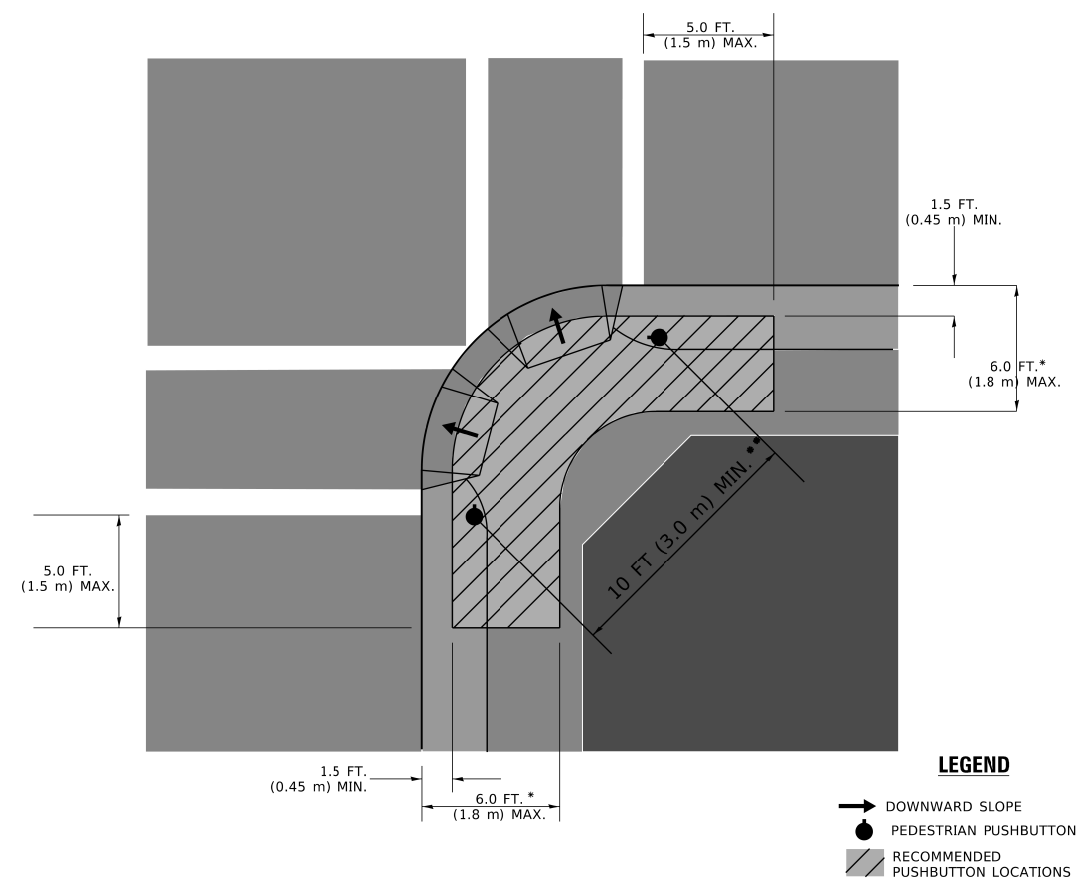
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

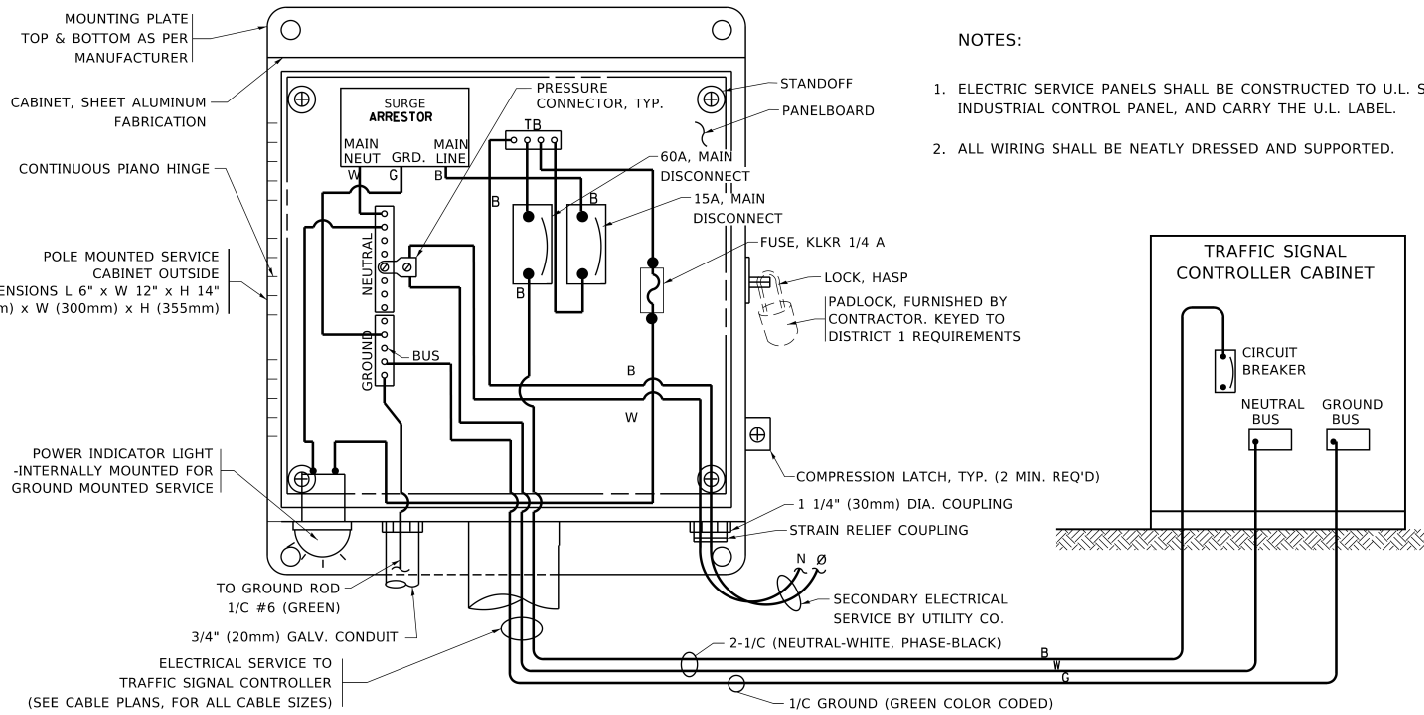
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

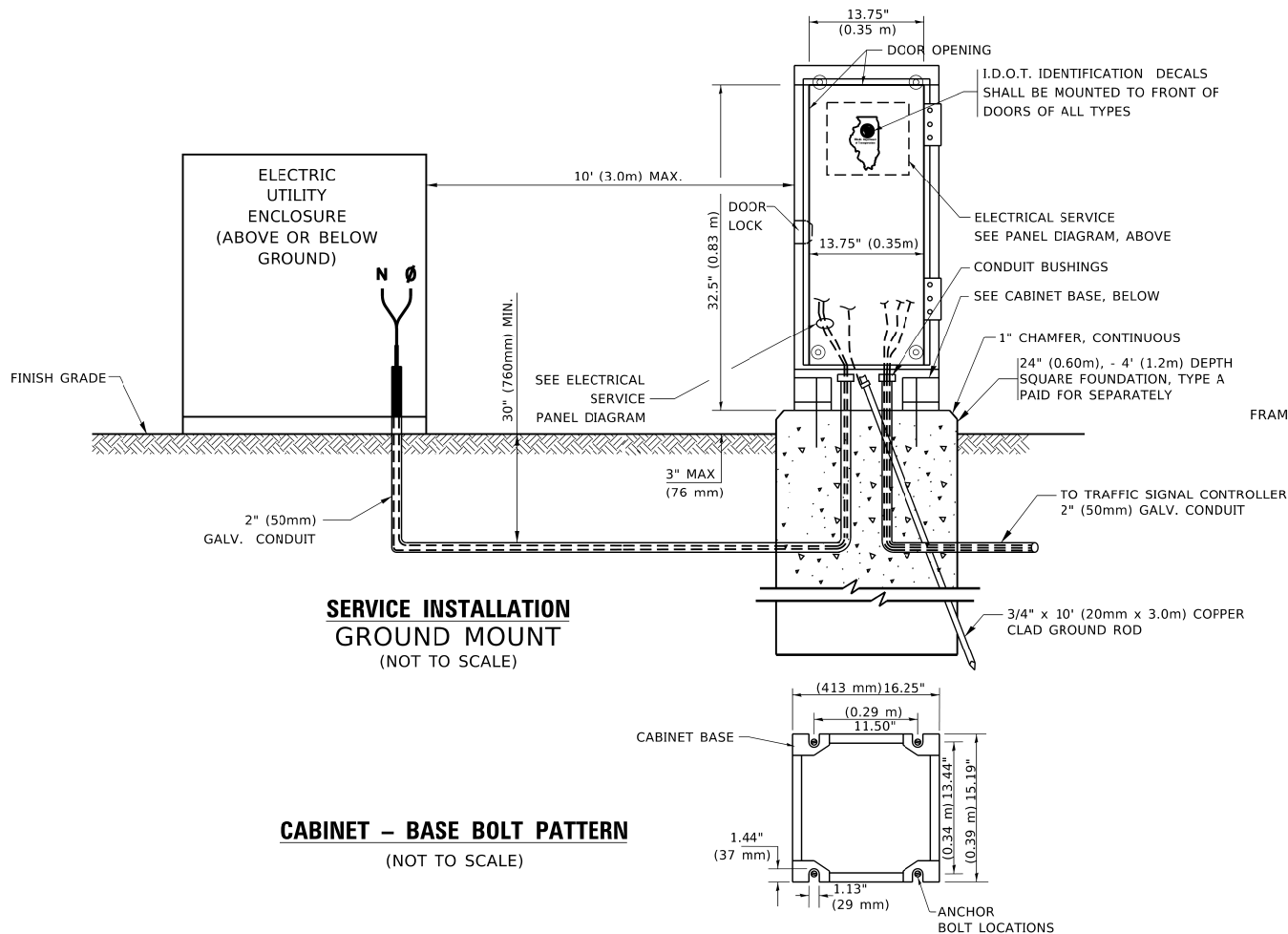
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0356	99-00147-07-FP	WILL	229	139
TS-05		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				

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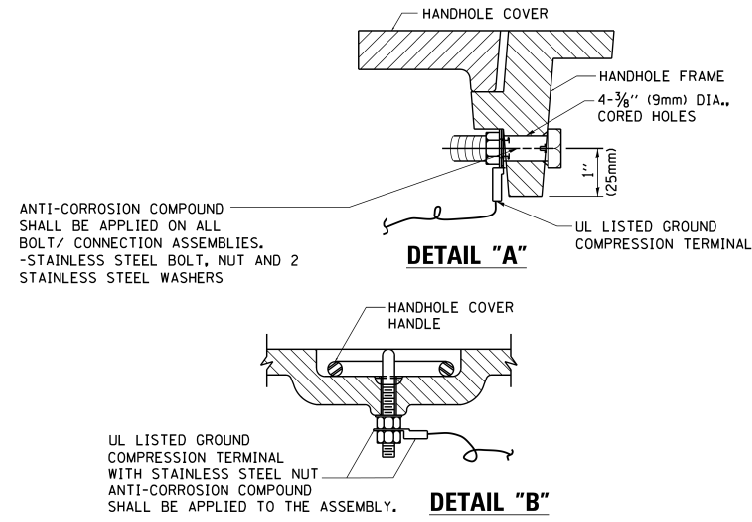


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



NOTES:

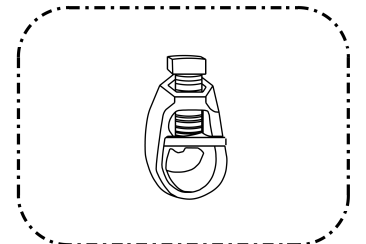
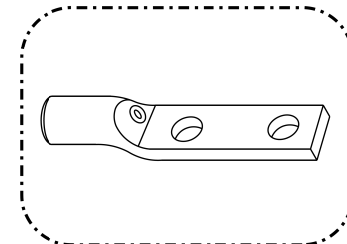
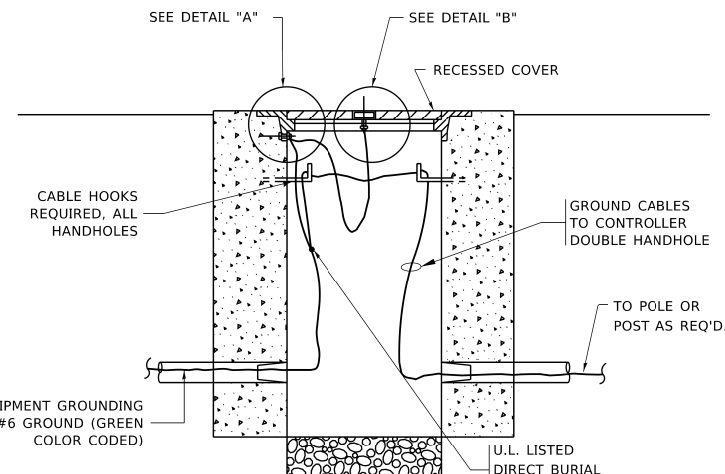
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



NOTES:

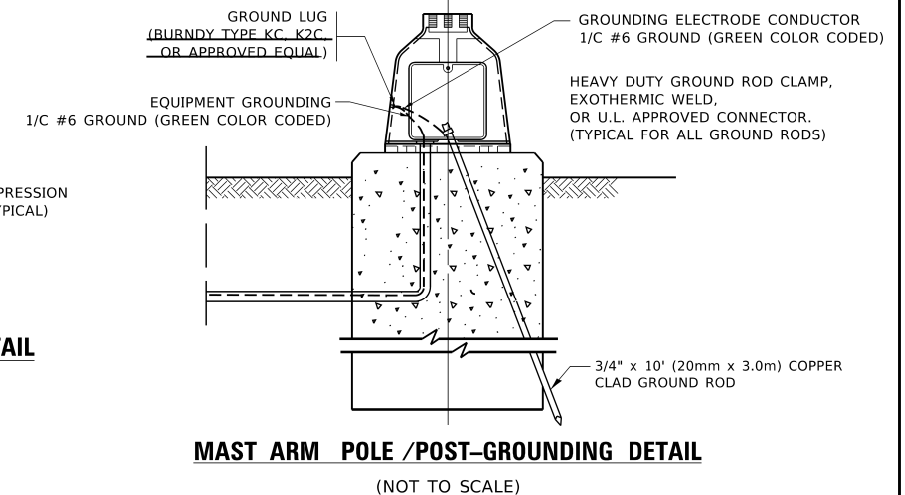
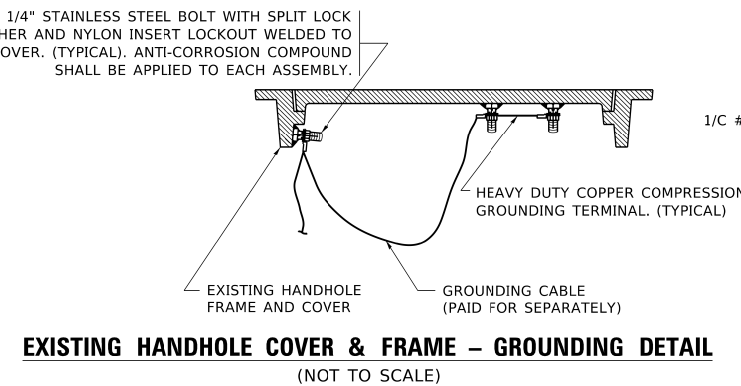
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
- 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
- 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
- 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

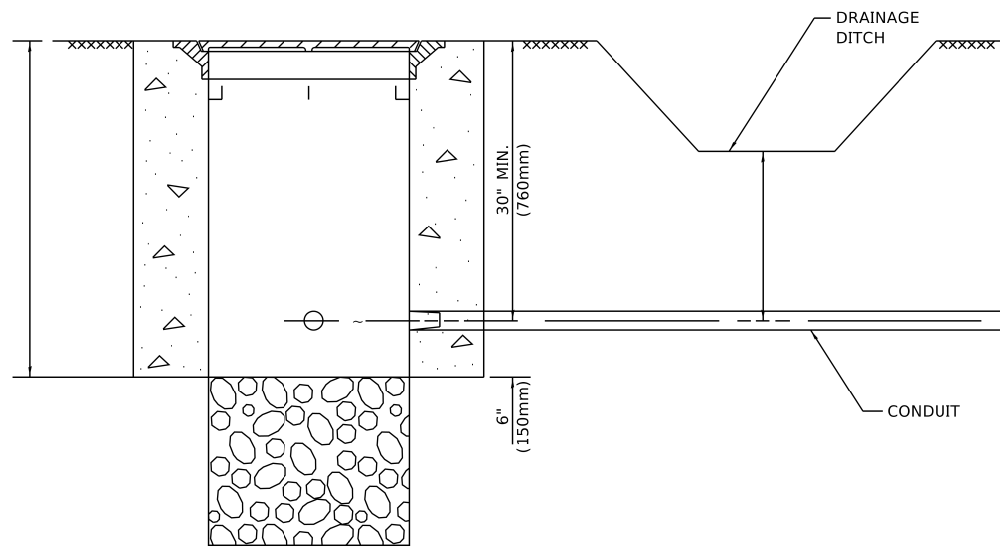


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PLLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET 4 OF 7 SHEETS STA. TO STA.

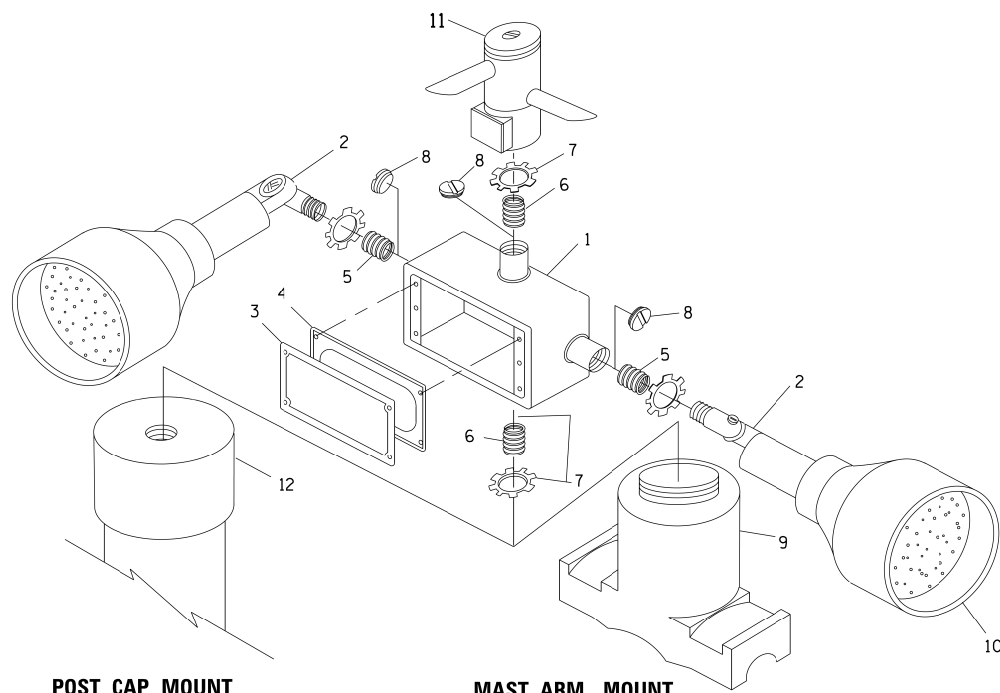
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	140
TS-05			CONTRACT NO. 61A96	
ILLINOIS		FED. AID PROJECT		



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



POST CAP MOUNT

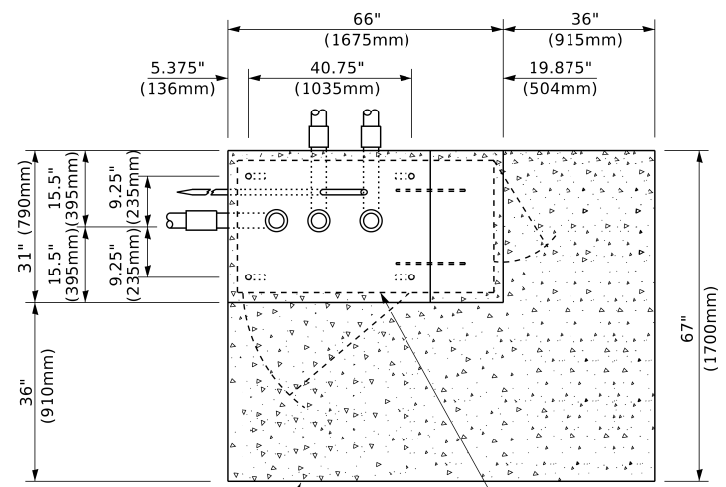
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

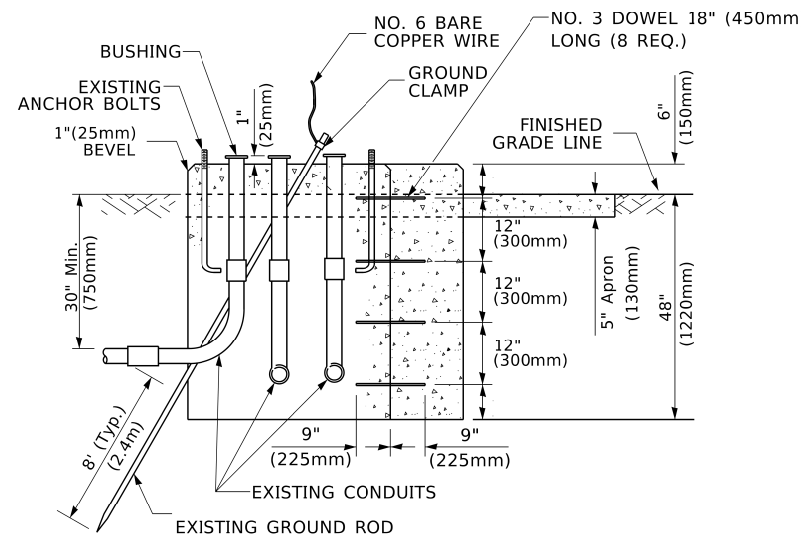
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

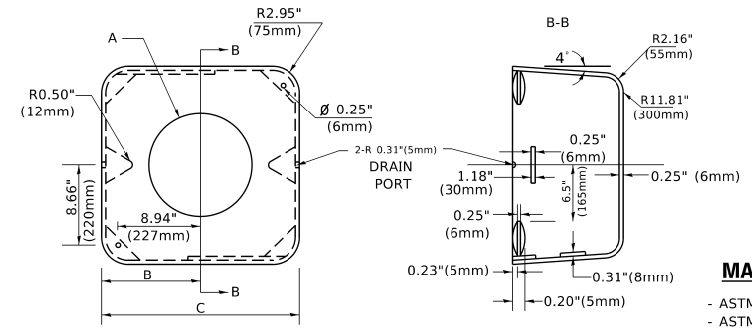
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

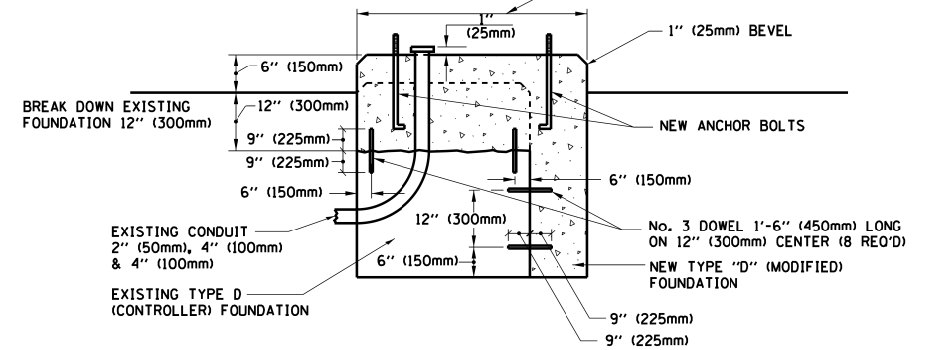
SHROUD

NOTES:

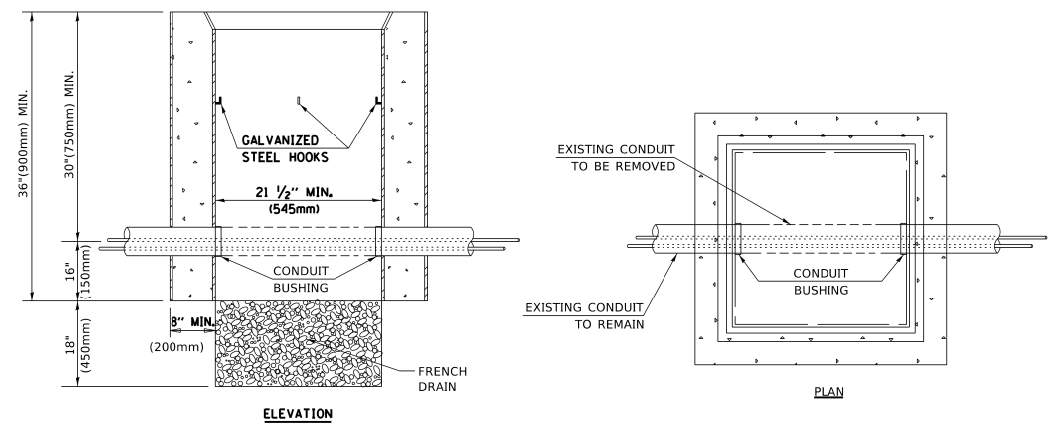
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

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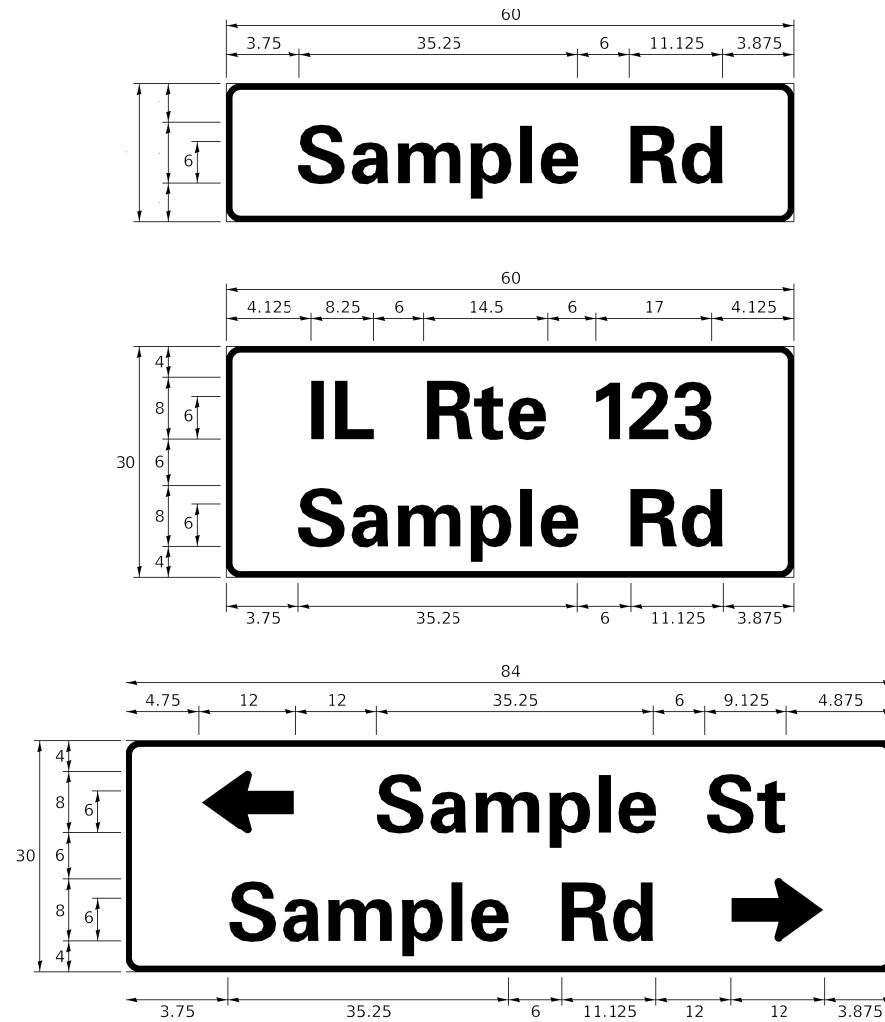
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 6	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	142
TS-05		CONTRACT NO. 61A96		
ILLINOIS		FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

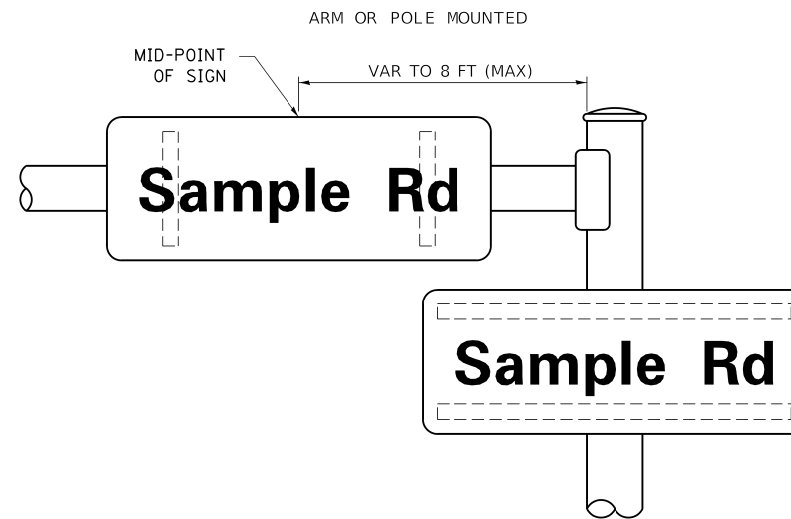
WESTERN REMAC, INC.
WOODBRIDGE, IL

PARTS LISTING:

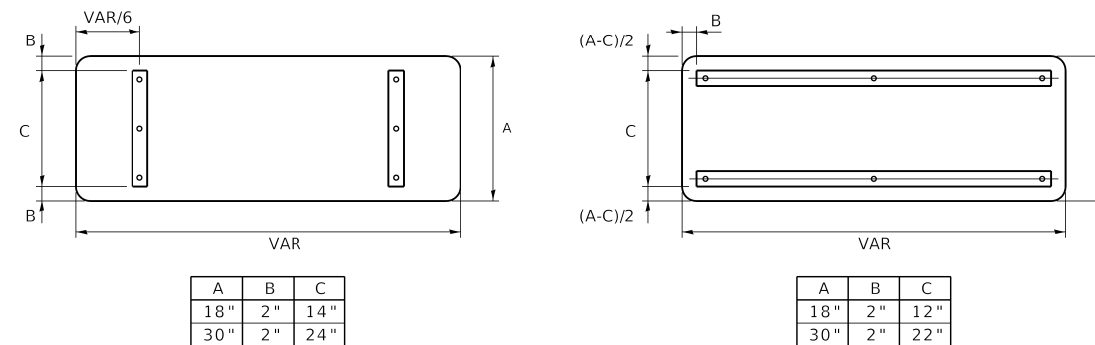
SIGN CHANNEL
SIGN SCREWS
BRACKETS
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.952	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 8

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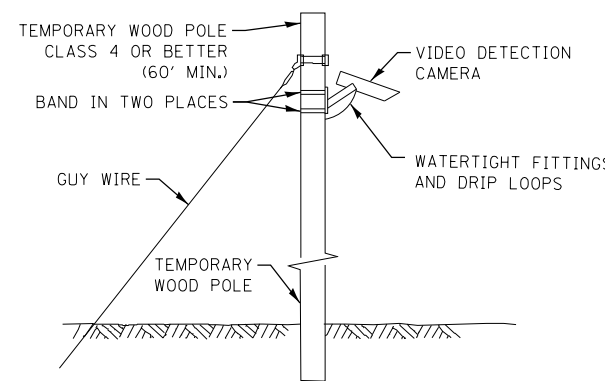
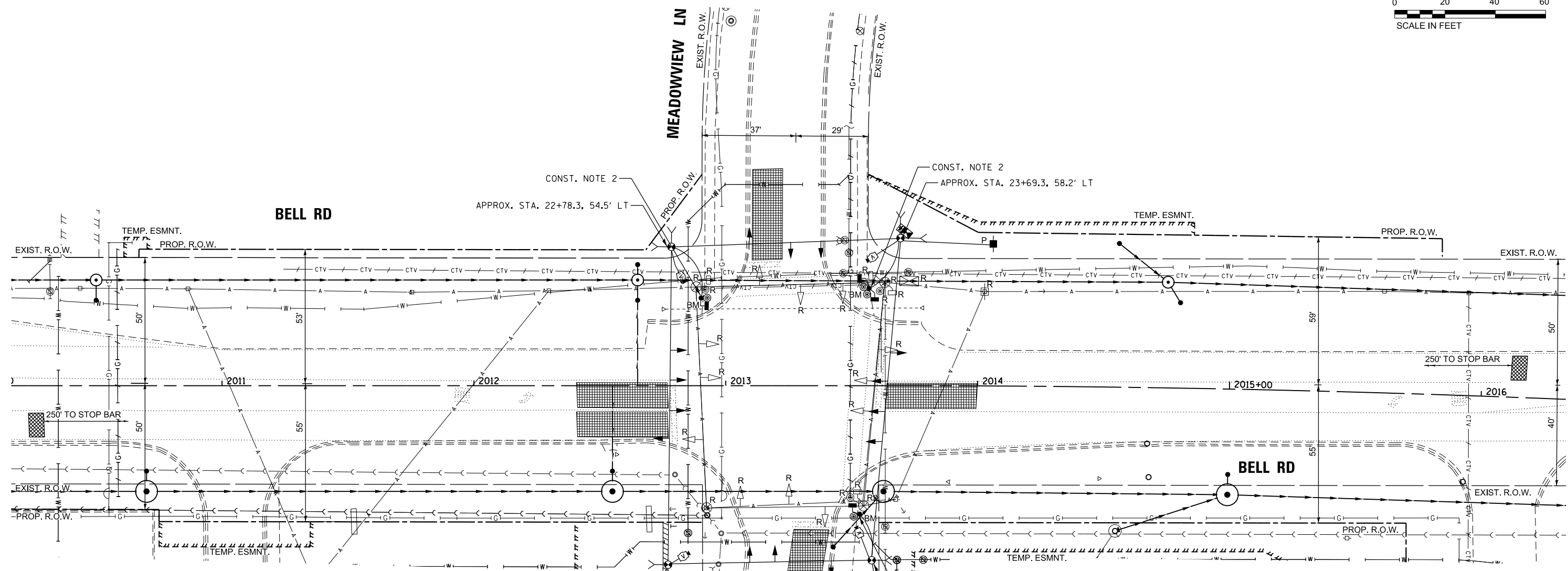
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DATE = 3/4/2019		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

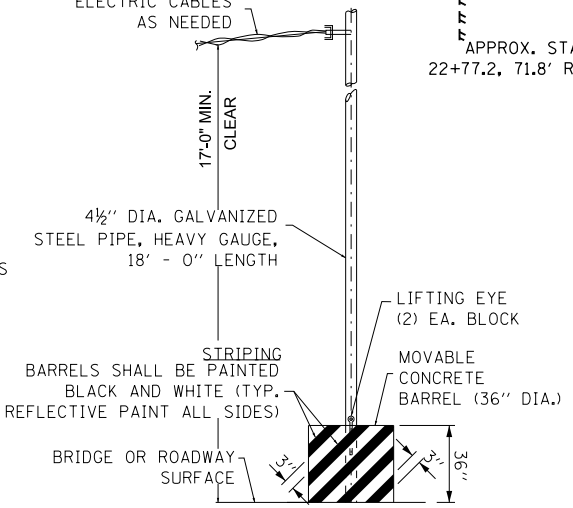
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 144
TS-02		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)



TEMPORARY CONCRETE BARREL WITH POST
(NOT TO SCALE)

CONSTRUCTION NOTES:

- EXISTING TEMPORARY ELECTRIC CABLE, WOOD POLE, TETHER WIRE, AND SPAN WIRE REMOVAL ARE BEING PAID FOR AS PART OF "REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT."
- INSTALL PEDESTRIAN PUSH-BUTTON EXTENSIONS ON TEMPORARY POSTS TO ASSURE THAT PUSH-BUTTONS ARE FULLY ADA ACCESSIBLE FROM A PAVED OR CONCRETE SURFACE. EXTENSIONS SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION."

REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEAD, 1-FACE 3-SECTION, SPAN WIRE MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE 5-SECTION, SPAN WIRE MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
3	EACH	PEDESTRIAN PUSH BUTTON
1	EACH	FULL ACTUATED CONTROLLER AND CABINET
1	EACH	SERVICE INSTALLATION, POLE MOUNT
4	EACH	WOOD POLES

TS SHT NO. 9

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PLOT DATE =	4/25/2022

DESIGNED -	AS/MG
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CHECKED -	VO
DATE -	10/04/2021

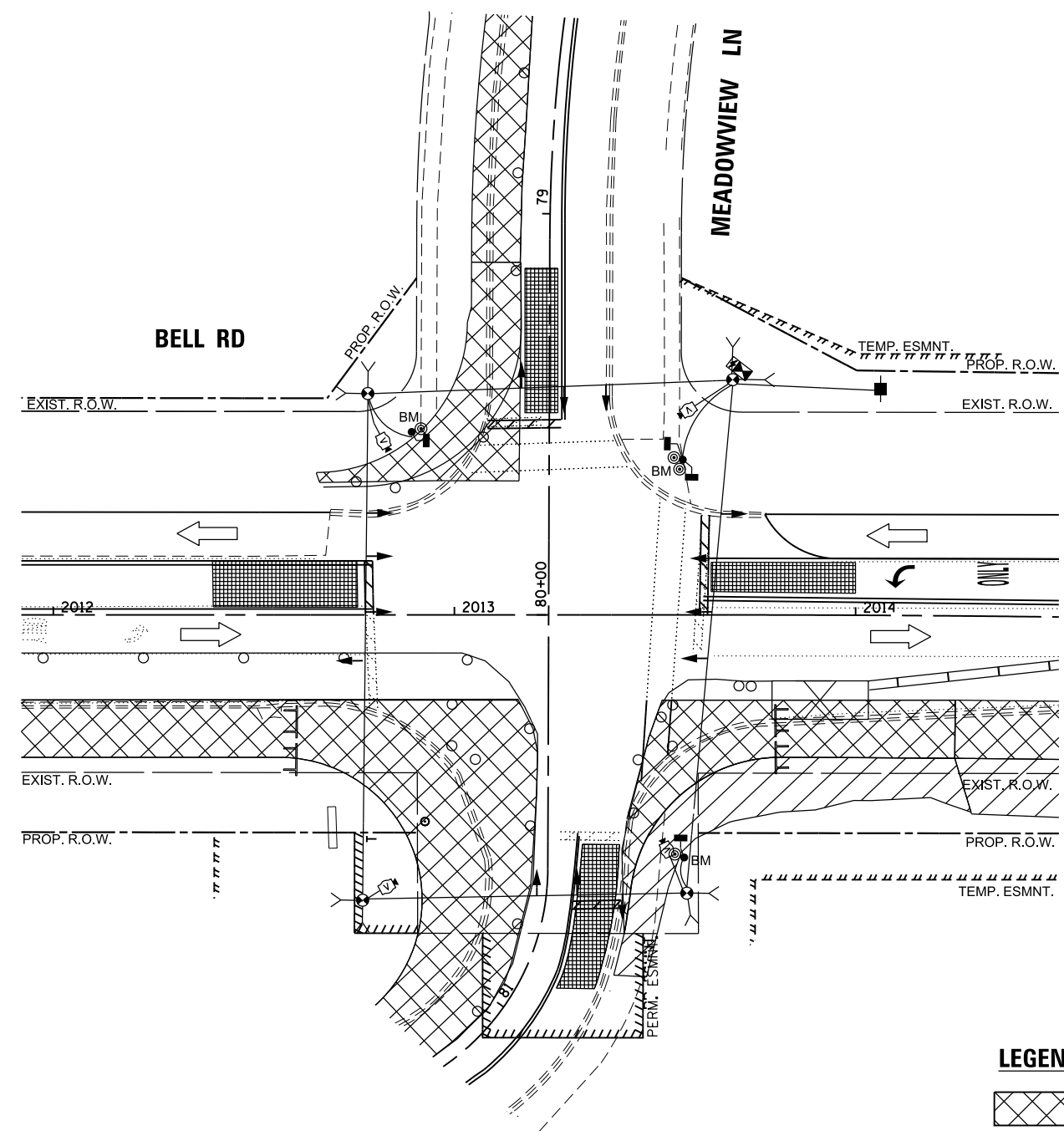
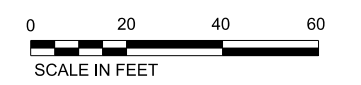
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REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
BELL RD AT MEADOWVIEW LN**

SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

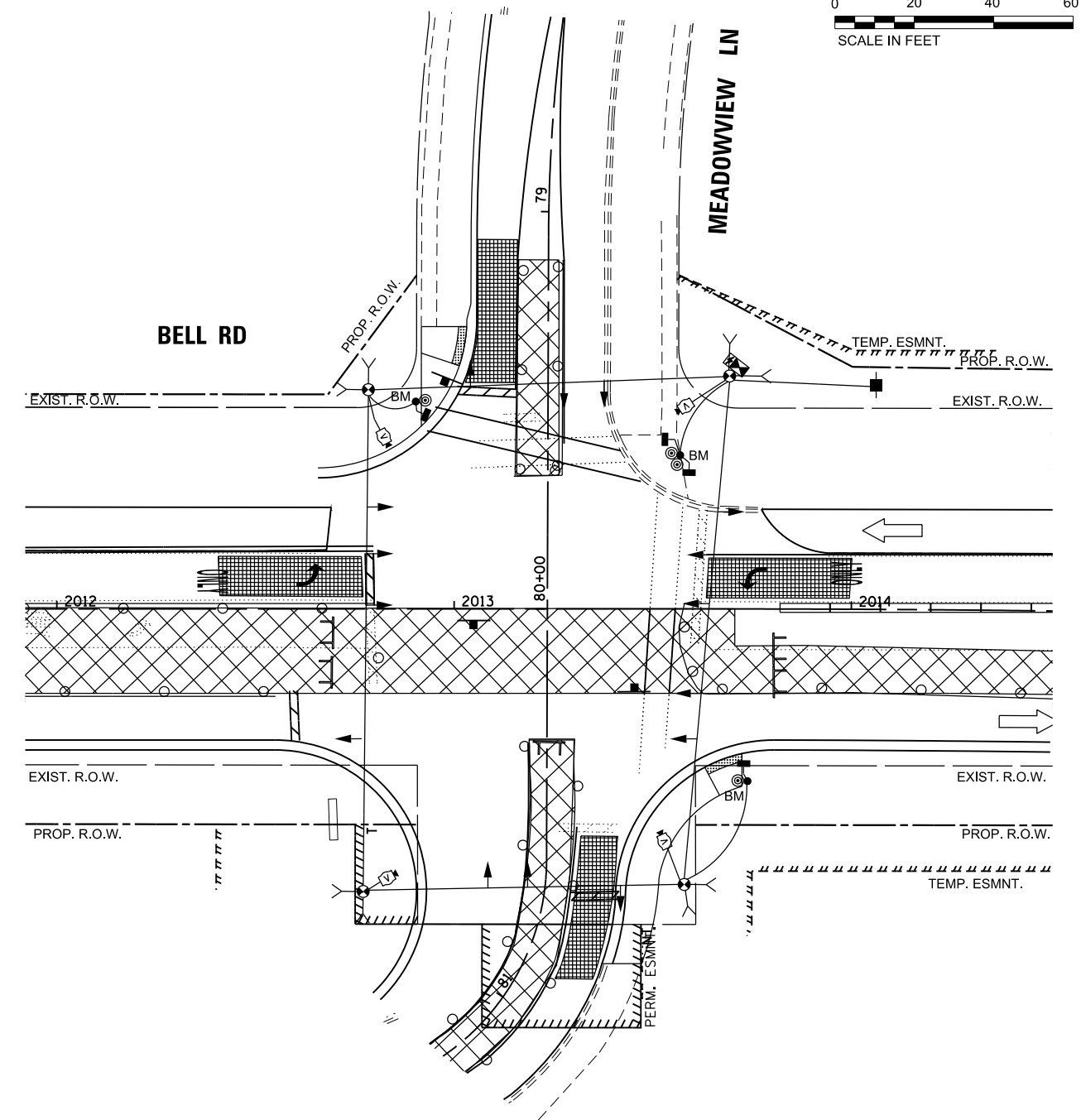
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0356	99-00147-07-FP	WILL	229	145
CONTRACT NO.			61A96	
ILLINOIS FED. AID PROJECT				



STAGE 1

LEGEND

WORK ZONE



STAGE 2

TS SHT NO. 10

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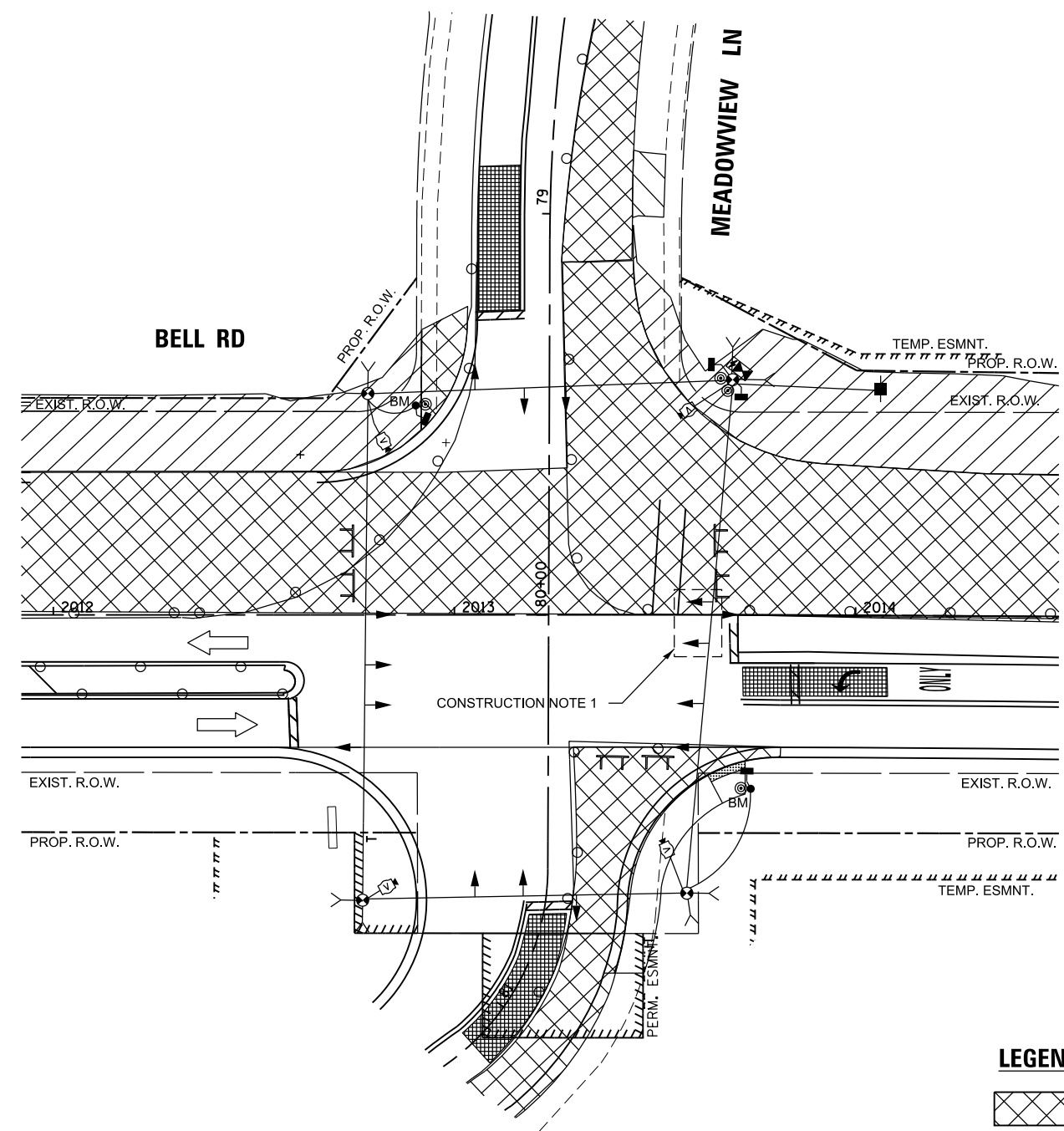
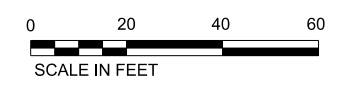
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PLOT DATE = 4/12/2022	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 1 & STAGE 2
BELL RD AT MEADOWVIEW LN**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 146
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

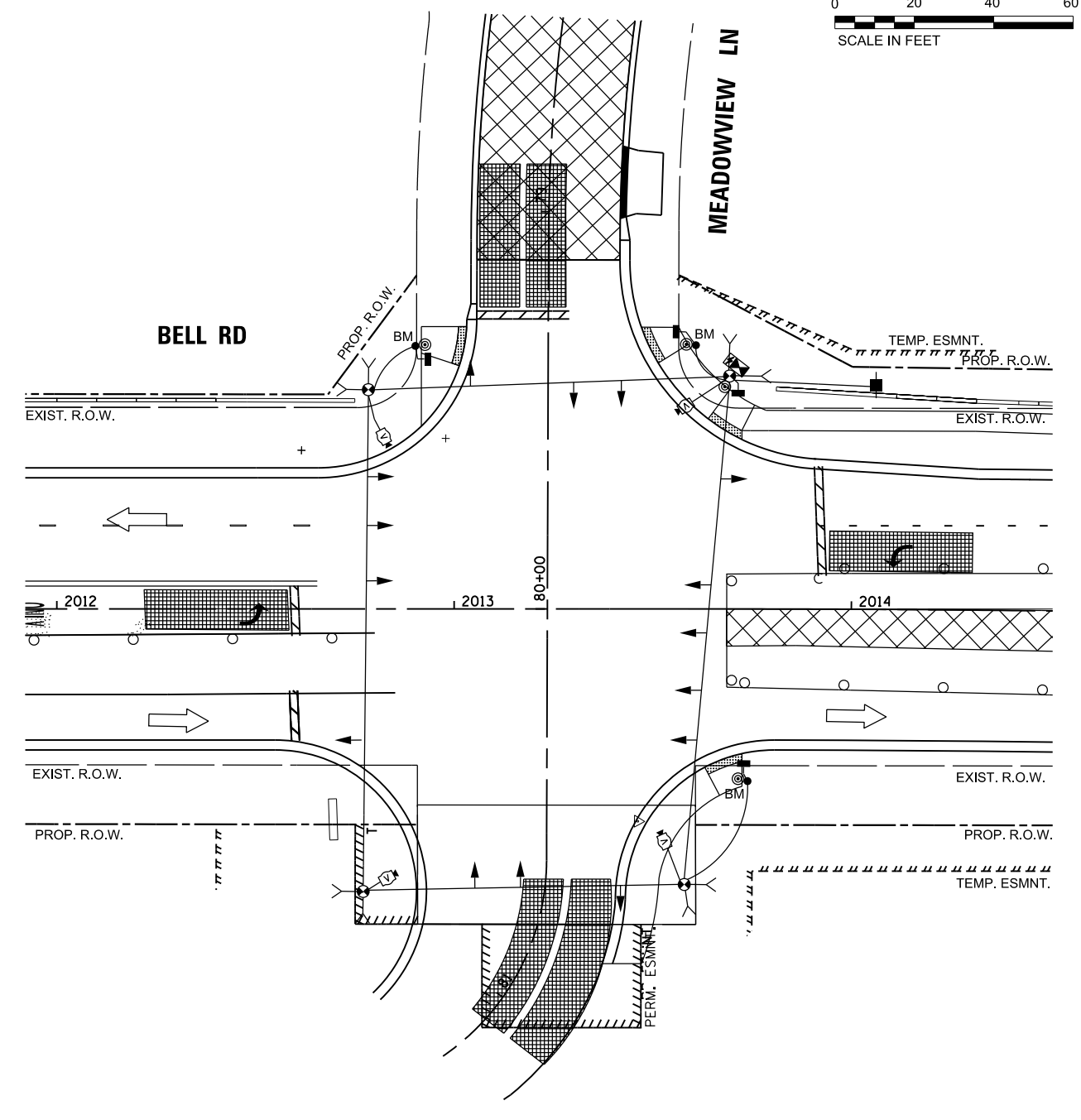


STAGE 3

LEGEND

 WORK ZONE

- CONSTRUCTION NOTE:**
1. THE TWO 5-SECTION SIGNAL HEADS FOR NORTHBOUND TO WESTBOUND TRAFFIC SHALL BE BAGGED AND DISCONNECTED FROM THE CONTROLLER DURING CONSTRUCTION STAGE 3.



STAGE 4

TS SHT NO. 11

MODEL: D:\m\h\ FILE NAME: J:\33058\DC\ADD Sheets\CH16_sht11.dgn



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DRAWN - AS/MG	REVISIONS -	
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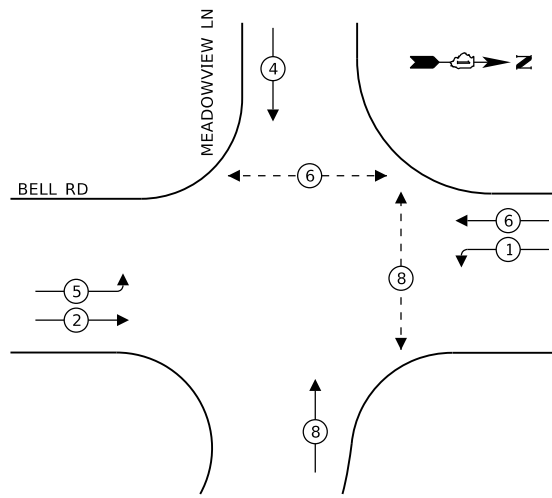
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 3 & STAGE 4
BELL RD AT MEADOWVIEW LN

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. N/A TO STA. N/A

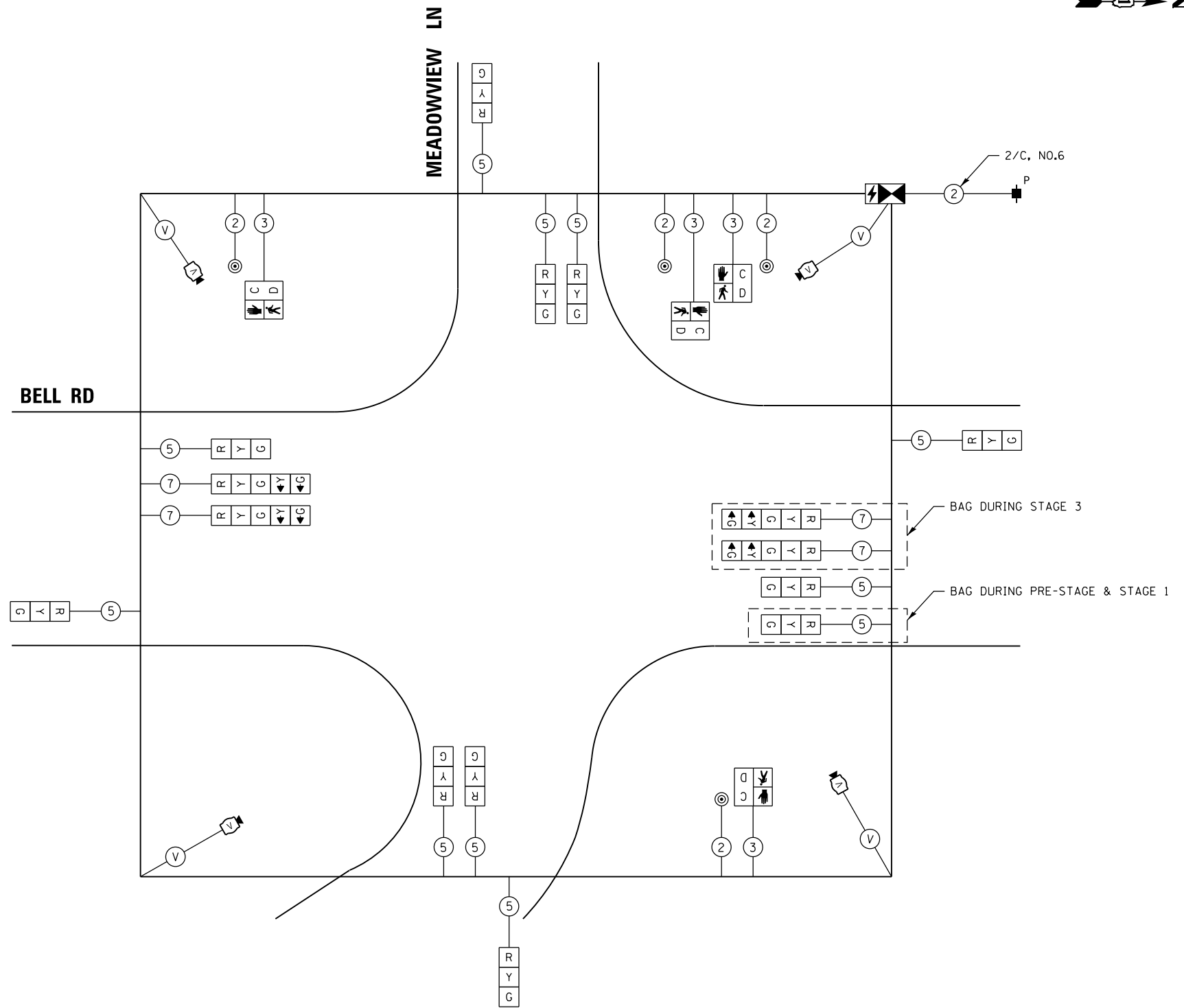
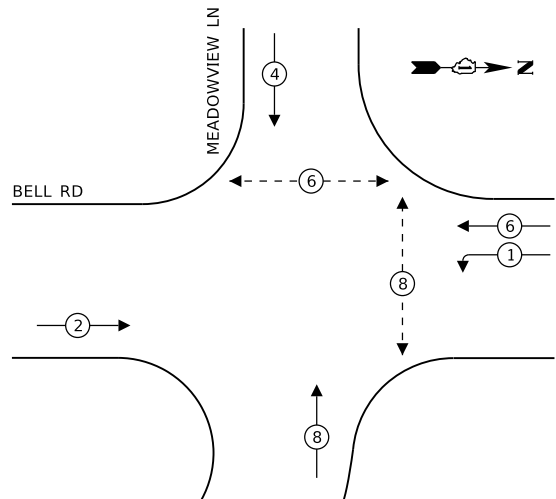
F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 147
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

**TEMPORARY CONTROLLER SEQUENCE
PRE-STAGE, STAGE 1, 2, AND 4**



- LEGEND:**
- ← (⊙) ← PROTECTED PHASE
 - ← - (⊙) - ← PROTECTED/PERMITTED PHASE
 - ← (⊙) → PEDESTRIAN PHASE
 - ← (⊙) OL ← OVERLAP

**TEMPORARY CONTROLLER SEQUENCE
STAGE 3**



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

1. THE TWO 5-SECTION SIGNAL HEADS FOR NORTHBOUND TRAFFIC SHALL BE BAGGED AND DISCONNECTED FROM THE CONTROLLER DURING CONSTRUCTION STAGE 3.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	15		11	0.50	82.5
(YELLOW)	15		20	0.05	15.0
(GREEN)	15		12	0.45	81.0
ARROW	8		10	0.10	8.0
PED. SIGNAL	4		20	1.00	80.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1		150	1.00	150.0
UPS	1		25	1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	541.5
WILL COUNTY DIVISION OF TRANSPORTATION					
ENERGY SUPPLY CONTACT: JAMES GLOVER					
PHONE: 815-724-5054					
COMPANY: COMMONWEALTH EDISON					

TS SHT NO. 12

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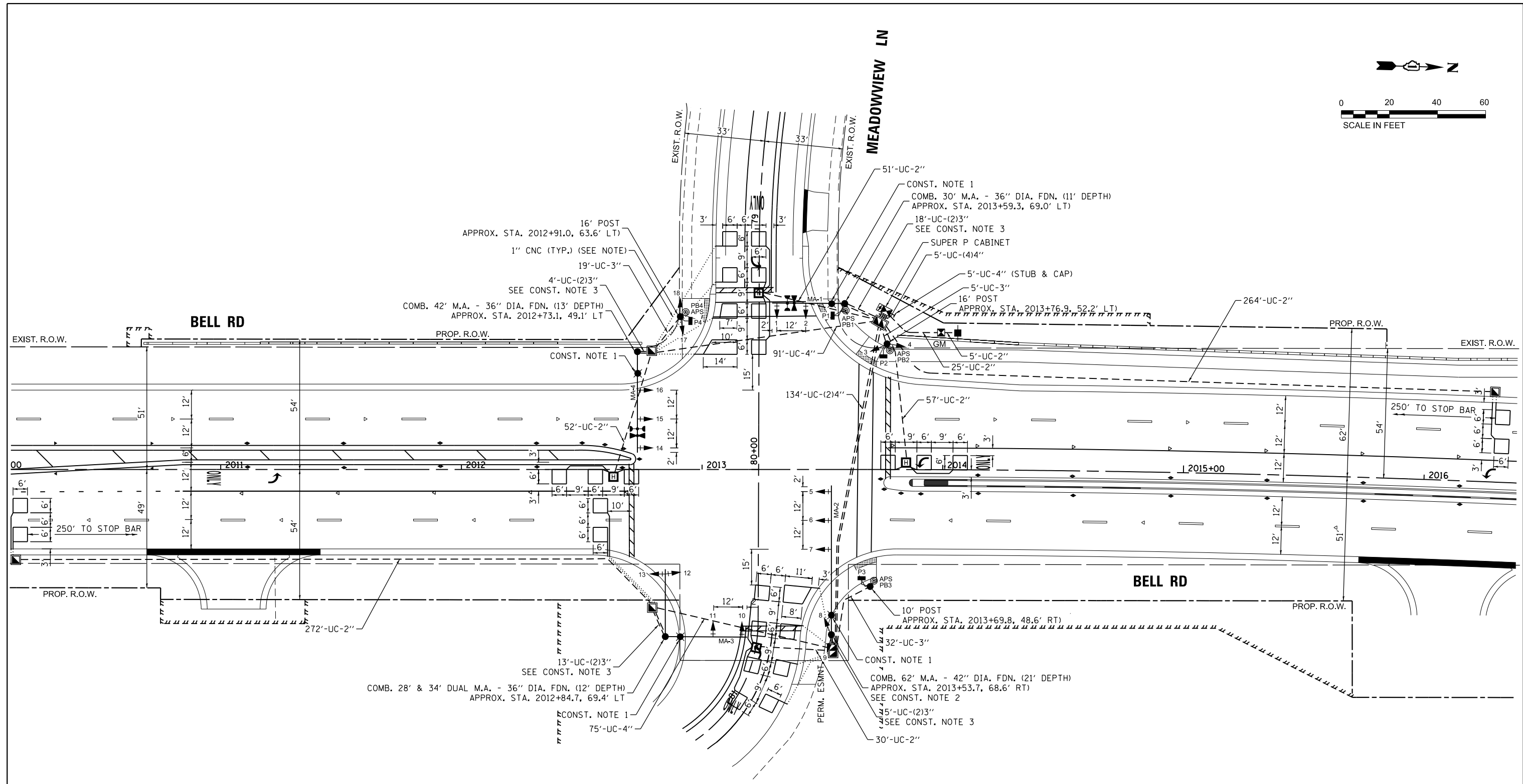
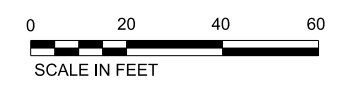
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM
BELL RD AT MEADOWVIEW LN**

SCALE: NTS SHEET 4 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	148
CONTRACT NO. 61A96				
ILLINOIS		FED. AID PROJECT		



CONSTRUCTION NOTES:

- ROADWAY LUMINAIRE MOUNTED ON 15 FEET MAST ARM. SEE LIGHTING PLANS FOR LUMINAIRE CIRCUITS AND OTHER DETAILS. LUMINAIRE SHALL BE PAID SEPARATELY UNDER LIGHTING PAY ITEMS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM. SEE SHEET E-2 FOR DETAIL.
- ADDITIONAL CONDUIT FROM HANDHOLE TO MAST ARM POLE FOUNDATION IS FOR LIGHTING CABLES.
- ALL STATION CALLOUTS ARE APPROXIMATE.

NOTES:

- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- COUNTY HANDHOLES SHALL BE LABELED "SIGNALS" FOR TRAFFIC SIGNALS AND "LIGHTING" FOR STREET LIGHTING.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE".

TS SHT NO.13

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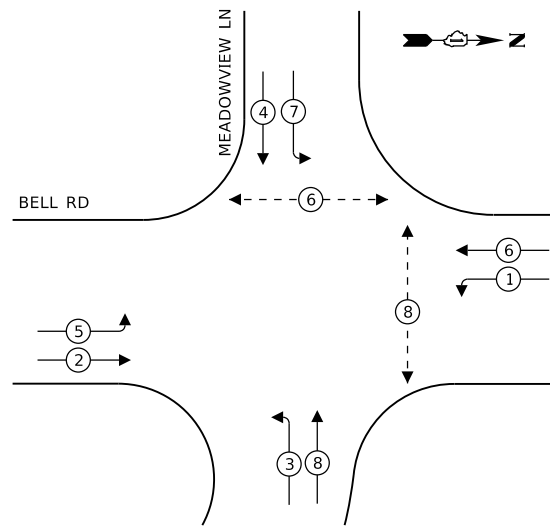
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
BELL RD AT MEADOWVIEW LN

SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. N/A TO STA. N/A

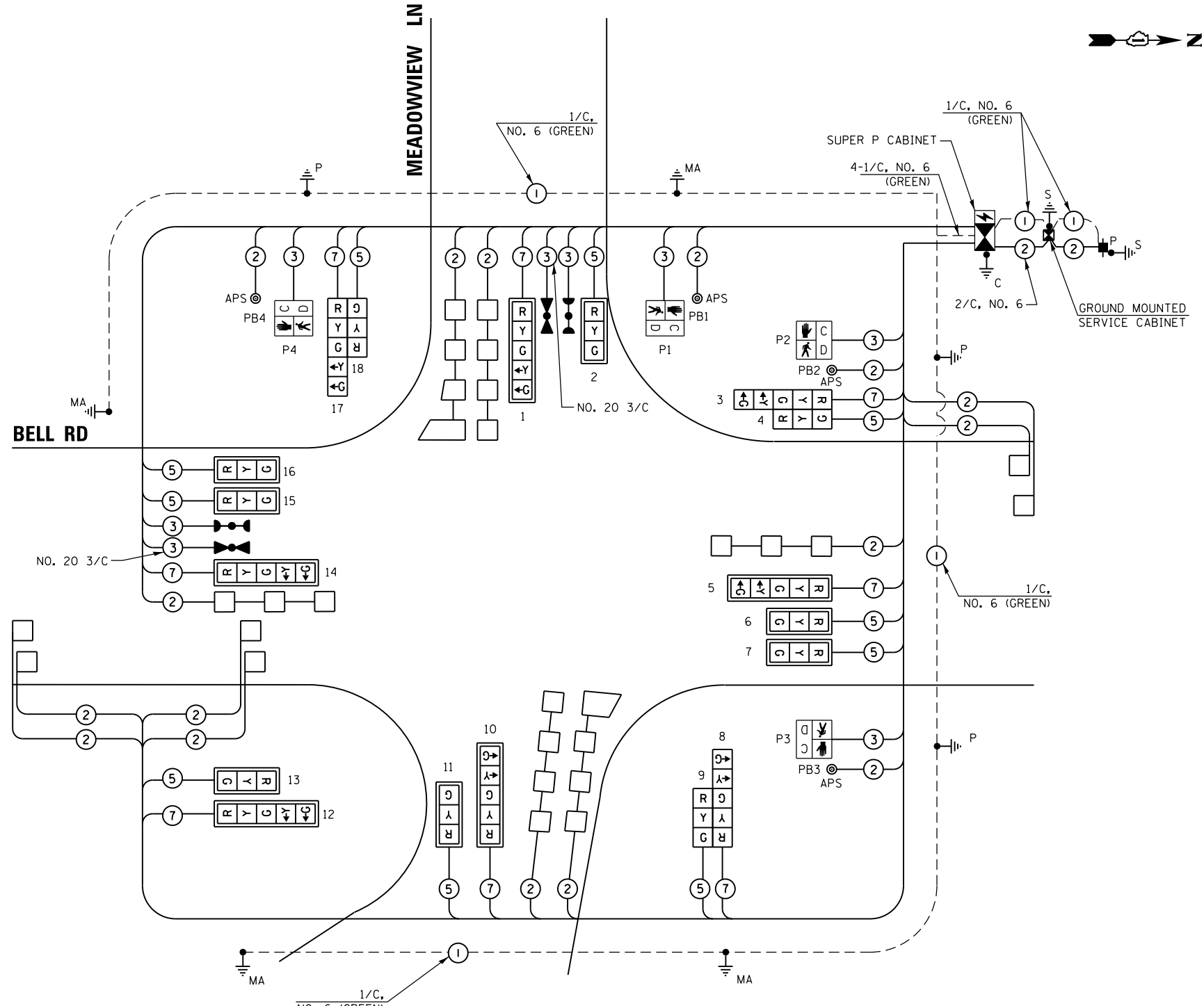
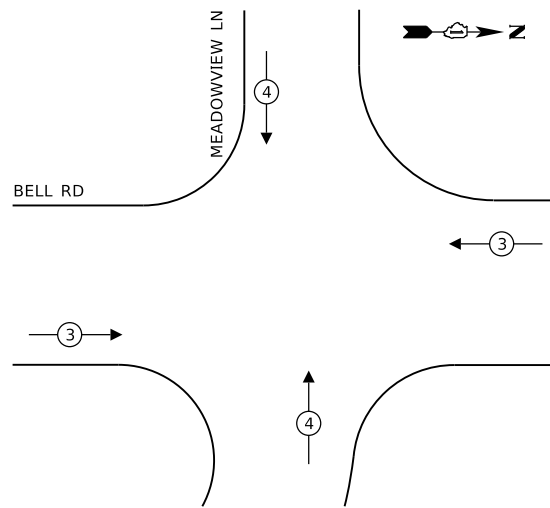
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	149
CONTRACT NO. 61A96				
ILLINOIS		FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ← ⊙ → PROTECTED PHASE
 - ← ⊙ - - ⊙ PROTECTED/PERMITTED PHASE
 - ← ⊙ ⊙ → PEDESTRIAN PHASE
 - ← ⊙ OL OVERLAP

**PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



CABLE PLAN
(NOT TO SCALE)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	18		11	0.50	99.0
(YELLOW)	18		20	0.05	18.0
(GREEN)	18		12	0.45	97.2
ARROW	16		10	0.10	16.0
PED. SIGNAL	4		20	1.00	80.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
UPS	1		25	1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	435.2

WILL COUNTY DIVISION
OF TRANSPORTATION
ENERGY SUPPLY CONTACT: JAMES GLOVER
PHONE: 815-724-5054
COMPANY: COMMONWEALTH EDISON

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CHECKED - VO
PLOT DATE = 2/9/2022
DATE - 10/04/2021
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
BELL RD AT MEADOWVIEW LN**

SCALE: NTS SHEET 6 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 150
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE".

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE.

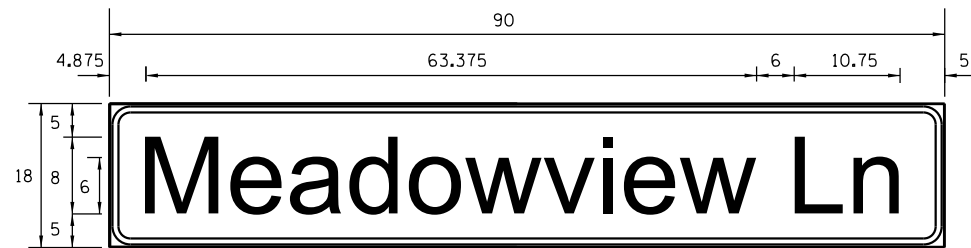


5.25 SO. FT. EACH

2 REQUIRED

DESIGN SERIES D

SIGN PANEL TYPE 1



11.25 SO. FT. EACH

2 REQUIRED

DESIGN SERIES D

SIGN PANEL TYPE 2

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
10.5	SO FT	SIGN PANEL - TYPE 1
22.5	SO FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
756	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
180	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
454	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1289	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
635	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1879	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1499	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2850	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
68	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
621	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 34 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
36	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
21	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
5	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
1001	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
278	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)
1	EACH	PEDESTRIAN SIGNAL POST, 10 FT.
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	ACCESSIBLE PEDESTRIAN SIGNALS
4	FOOT	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER
1	EACH	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

• 100% COST TO THE HOMER TOWNSHIP FIRE PROTECTION DISTRICT

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
E.O.P.	EDGE OF PAVEMENT
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
RGC	RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
EX. ROW	EXISTING RIGHT OF WAY
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING LIGHTING UNIT TO BE REMOVED
	EXISTING LIGHTING UNIT TO BE RELOCATED
	RELOCATED LIGHTING UNIT INSTALLED ON NEW FOUNDATION
	PROPOSED LED LUMINAIRE, HORIZONTAL MOUNT, OUTPUT DESIGNATION H, MOUNTED ON COMBINATION TRAFFIC SIGNAL/STREET LIGHTING POLE, 15' MAST ARM AND 45' MOUNTING HEIGHT
	PROPOSED TRAFFIC SIGNAL CONTROLLER
	PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNT
	ELECTRIC UTILITY SERVICE
	HANDHOLE (PER TRAFFIC SIGNAL PLANS)
	PROPOSED UNDERGROUND CONDUIT, SIZE AND TYPE AS NOTED
	CONDUIT (PER TRAFFIC SIGNAL PLANS)

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 OR LATER, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

SCHEDULE OF ROADWAY LIGHTING QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	44
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	20
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1500
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	50
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
84200804	REMOVAL OF POLE FOUNDATION	EACH	1
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	8
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E-1	LEGEND, ABBREVIATIONS, GENERAL NOTES, INDEX OF DRAWINGS, AND SCHEDULE OF QUANTITIES BELL ROAD AT MEADOWVIEW LANE
E-2	PROPOSED LIGHTING PLAN BELL ROAD AT MEADOWVIEW LANE
E-3	LIGHTING CONTROLLER WIRING DIAGRAM BELL ROAD AT MEADOWVIEW LANE
E-4	LIGHTING CONTROLLER DETAILS BELL ROAD AT MEADOWVIEW LANE
E-5	STANDARD LIGHTING DETAILS - ELECTRIC SERVICE INSTALLATION BELL ROAD AT MEADOWVIEW LANE
E-6	STANDARD LIGHTING DETAILS - LUMINARE SAFETY CABLE ASSEMBLY BELL ROAD AT MEADOWVIEW LANE
E-7	STANDARD LIGHTING DETAILS - MISCELLANEOUS BELL ROAD AT MEADOWVIEW LANE
E-8	LIGHTING AS-BUILT INFORMATION BELL ROAD AT MEADOWVIEW LANE

IDOT DISTRICT 1 STANDARDS

STANDARD NO.	TITLE
BE-220	ELECTRIC SERVICE INSTALLATION, AERIAL, REMOTE DISCONNECT
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS, SHEET A

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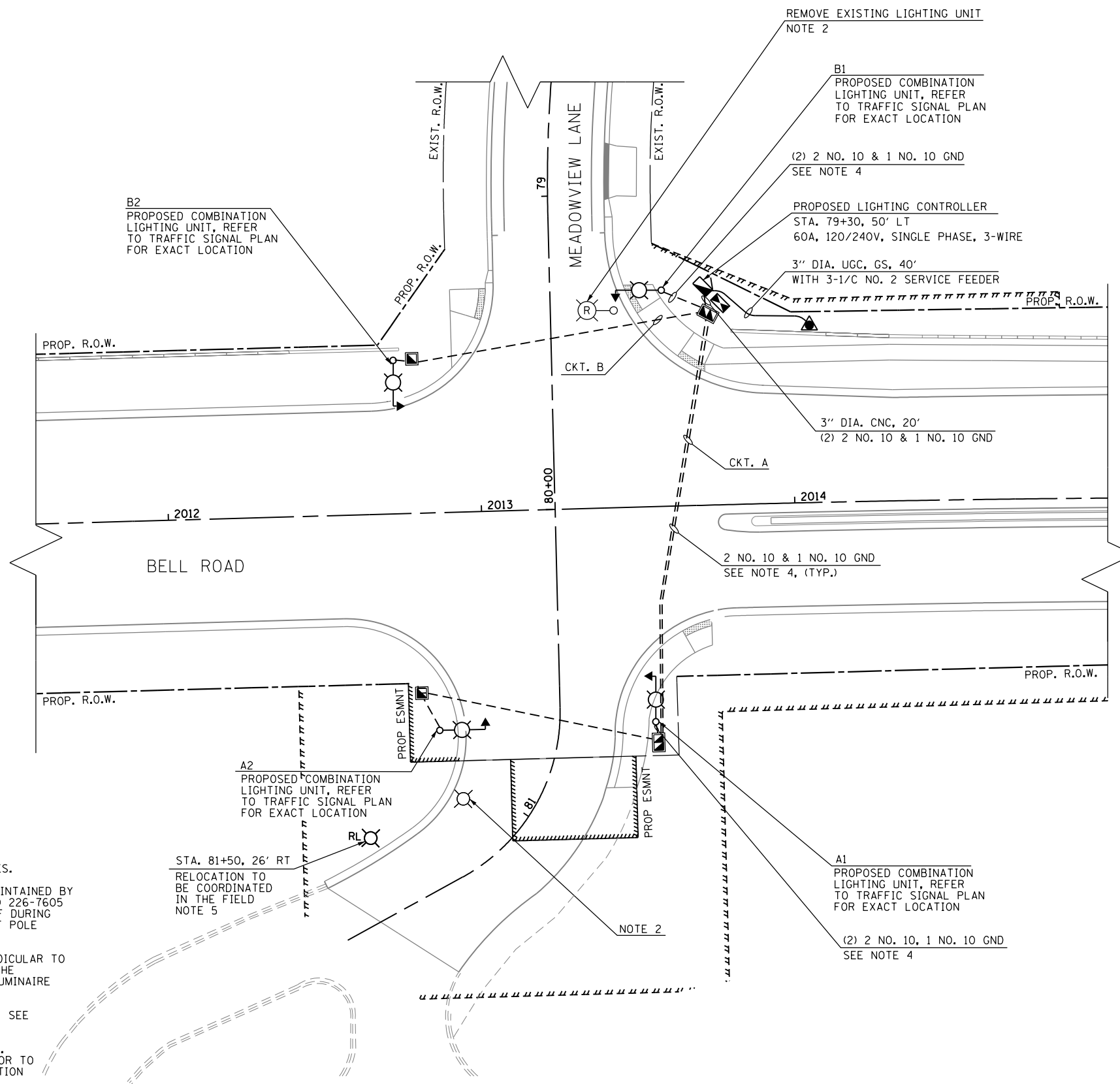
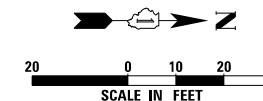
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LEGEND, ABBREVIATIONS, GENERAL NOTES, AND INDEX OF DRAWINGS
BELL ROAD AT MEADOWVIEW LANE

SCALE: N/A SHEET 1 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 152
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



NOTES:

1. SEE SHEET E-1 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REMOVE AND RELOCATE EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY HOMER SCHOOL DISTRICT 33C. CONTACT THE SCHOOL AT (708) 226-7605 PRIOR TO REMOVAL. COORDINATE REMOVAL AND POWER SHUT-OFF DURING REMOVAL. REROUTE EXISTING CIRCUITS TO THE PROPOSED LIGHT POLE FOUNDATION.
3. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
4. ROUTE LIGHTING CIRCUIT CABLES IN TRAFFIC SIGNAL CONDUIT. SEE TRAFFIC SIGNAL PLAN 5 OF 7.
5. RELOCATED LIGHTING UNIT TO PROPOSED CONCRETE FOUNDATION. CONTRACTOR TO VERIFY EXISTING POLE BASE BOLT CIRCLE PRIOR TO INSTALLATION OF CONCRETE FOUNDATION. SEE E-8 FOR FOUNDATION DETAILS.
6. COUNTY HANDHOLES SHALL BE LABELED SIGNALS FOR TRAFFIC SIGNALS AND LIGHTING FOR STREET LIGHTING.

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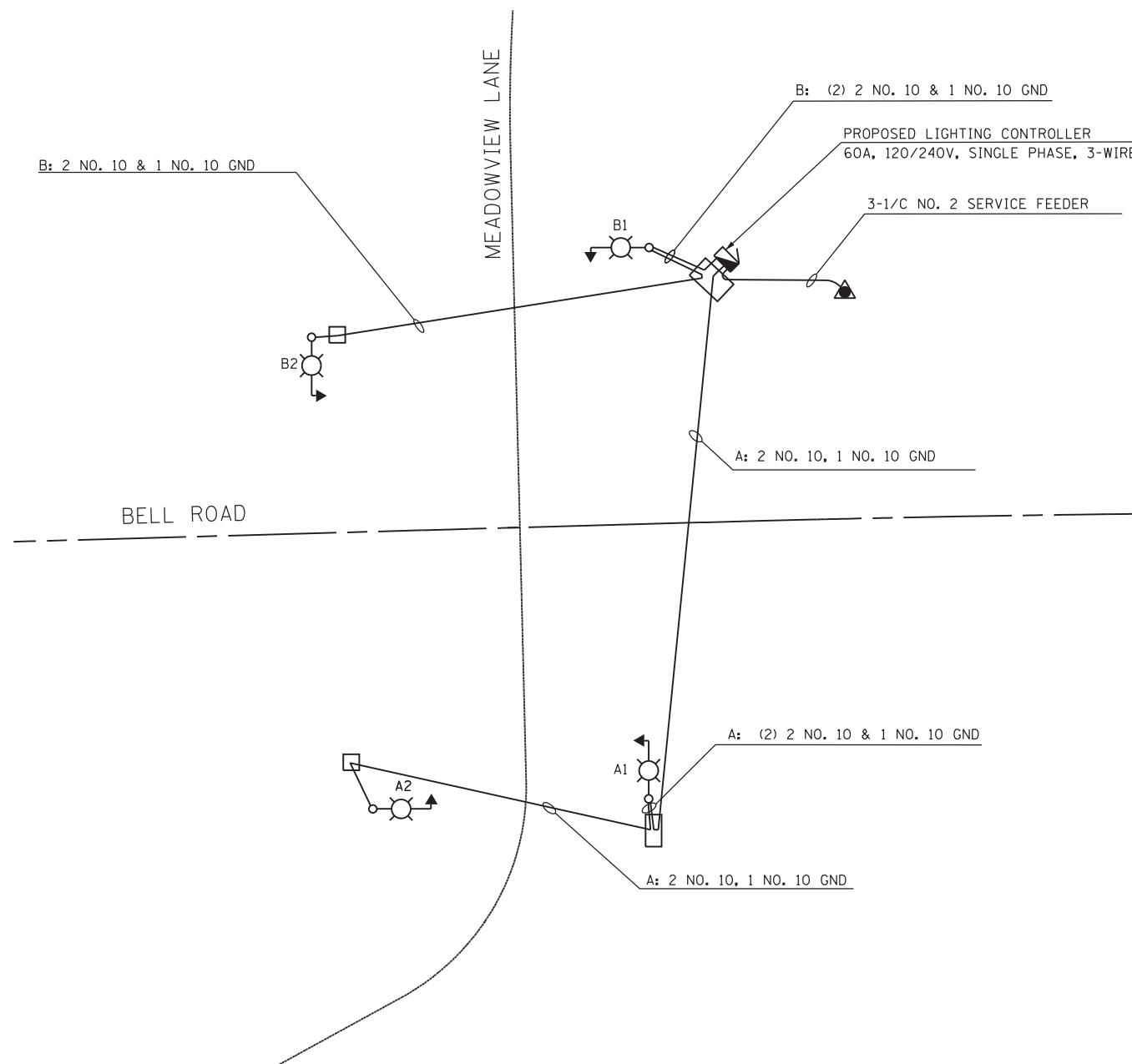
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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
BELL ROAD AT MEADOWVIEW LANE**

SCALE: 1" = 20' SHEET 2 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 153
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



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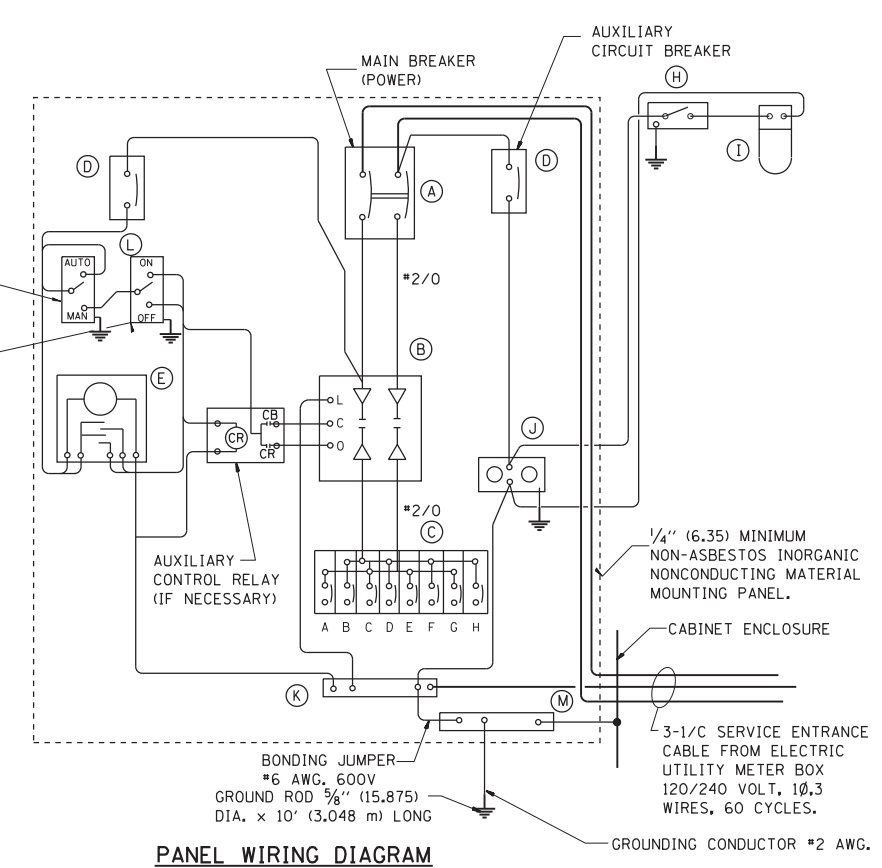
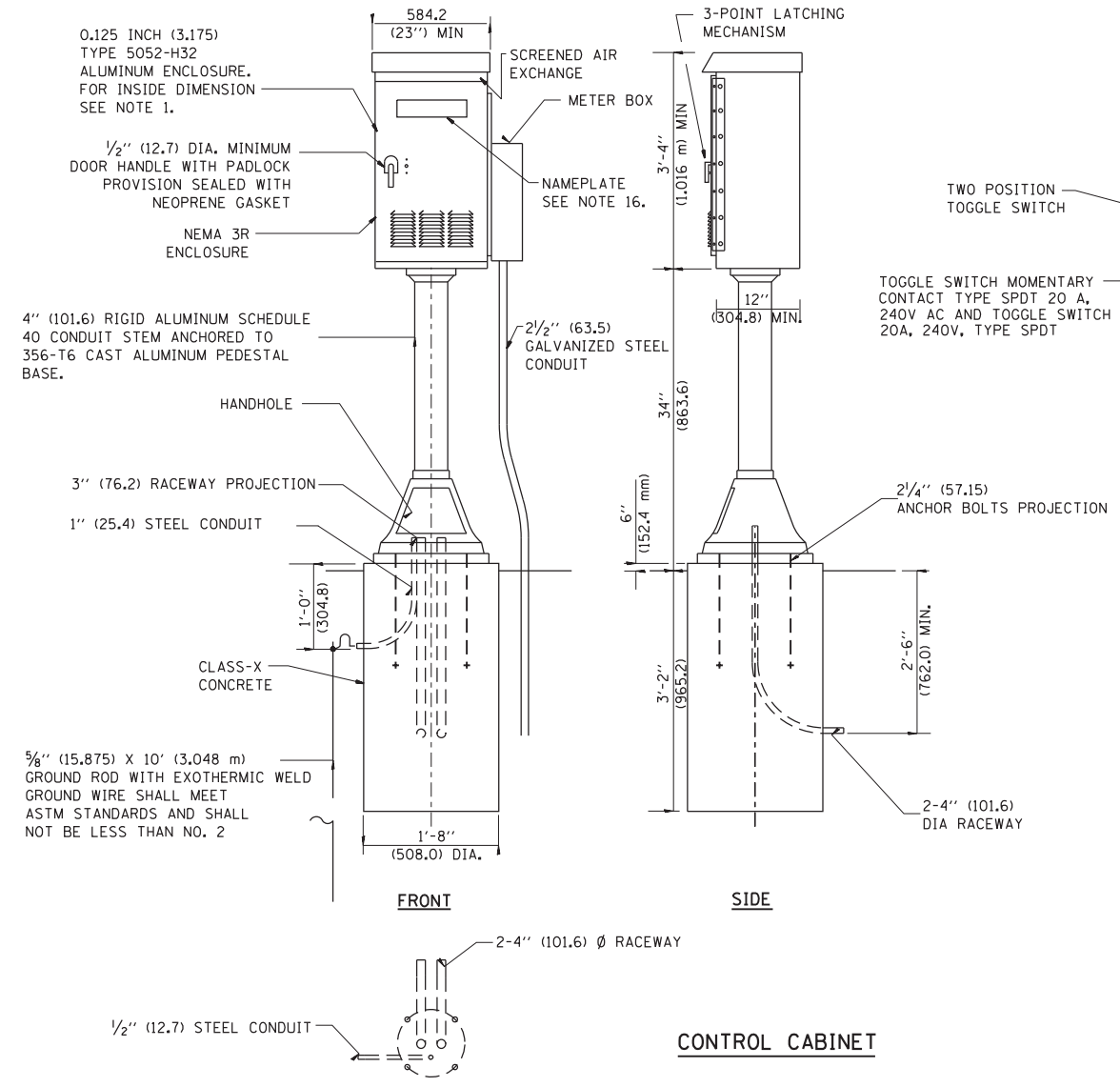
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PLOT DATE = 9/30/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING CONTROLLER WIRING DIAGRAM
 BELL ROAD AT MEADOWVIEW LANE**

SCALE: N/A SHEET 3 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	154
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



PANEL EQUIPMENT		
BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 60 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 240V., 100 AMP., FRAME 30 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS

NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18,288 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "WILL COUNTY LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

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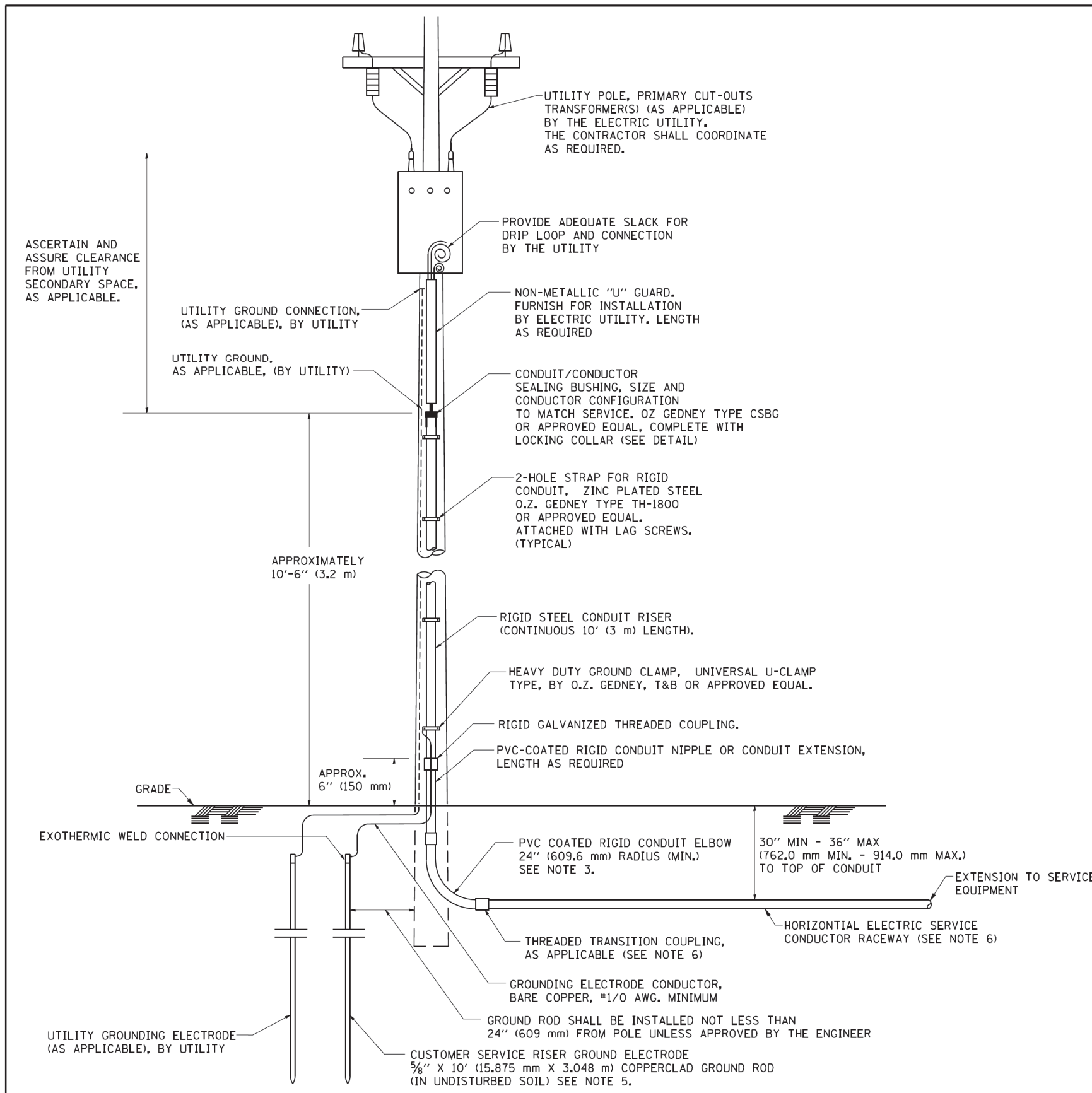
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER DETAILS
BELL ROAD AT MEADOWVIEW LANE

SCALE: N/A SHEET 4 OF 8 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	155
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	

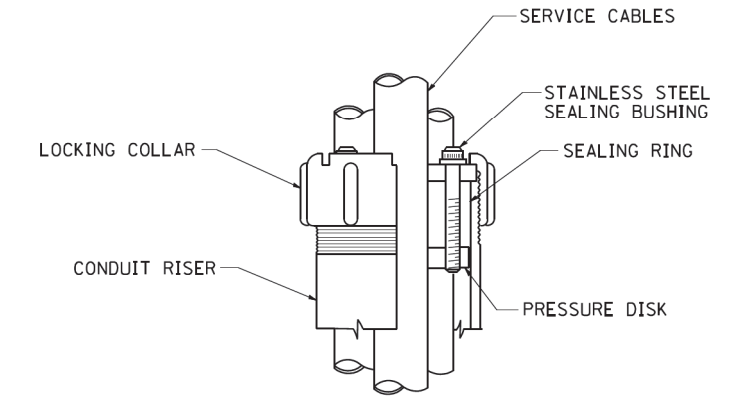


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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PLCT DATE = 1/4/2008	DATE				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

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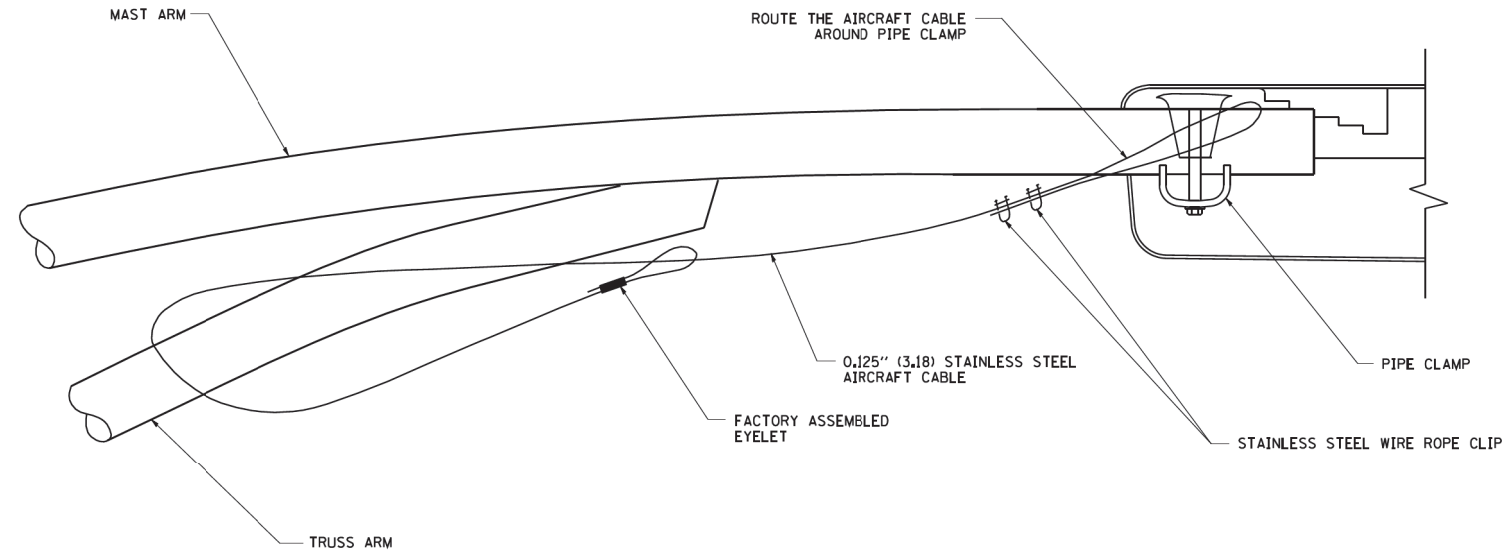


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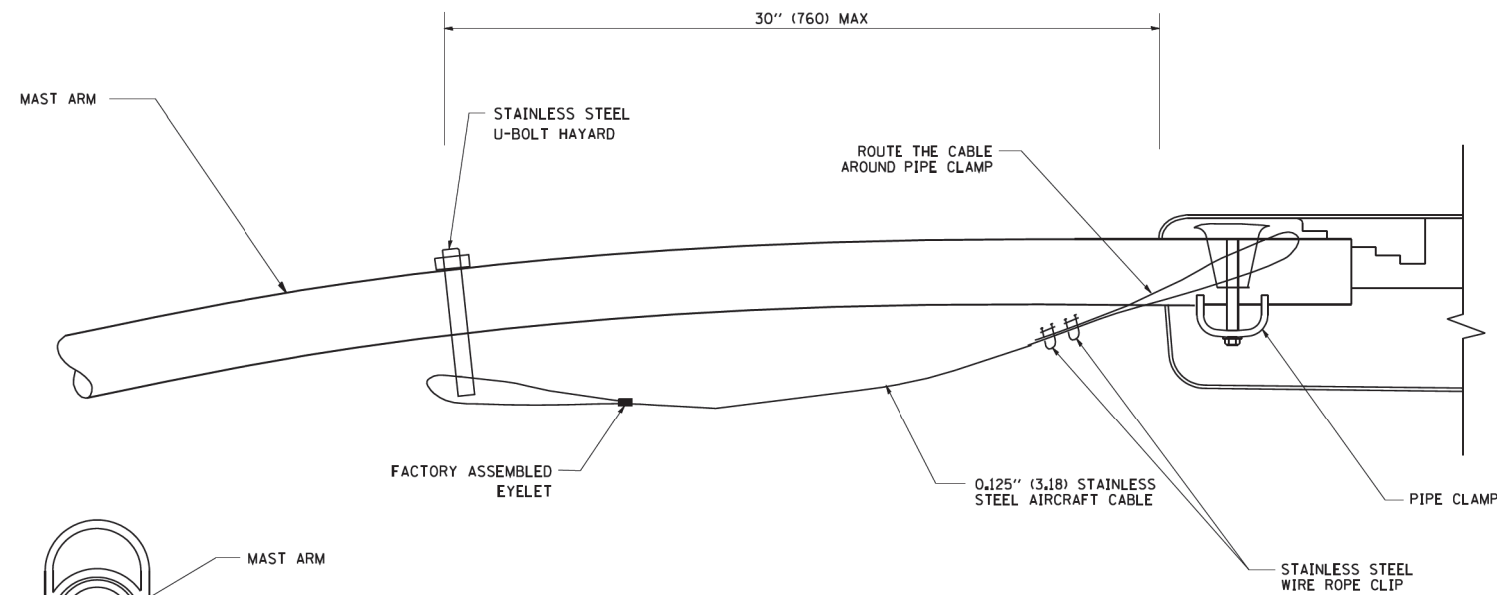
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARD LIGHTING DETAILS - ELECTRIC SERVICE INSTALLATION BELL ROAD AT MEADOWVIEW LANE			
SCALE: N/A	SHEET 5 OF 8 SHEETS	STA. N/A	TO STA. N/A

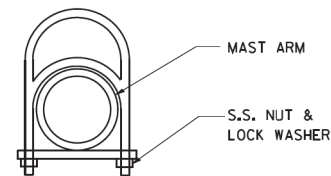
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	156
BE-220			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				



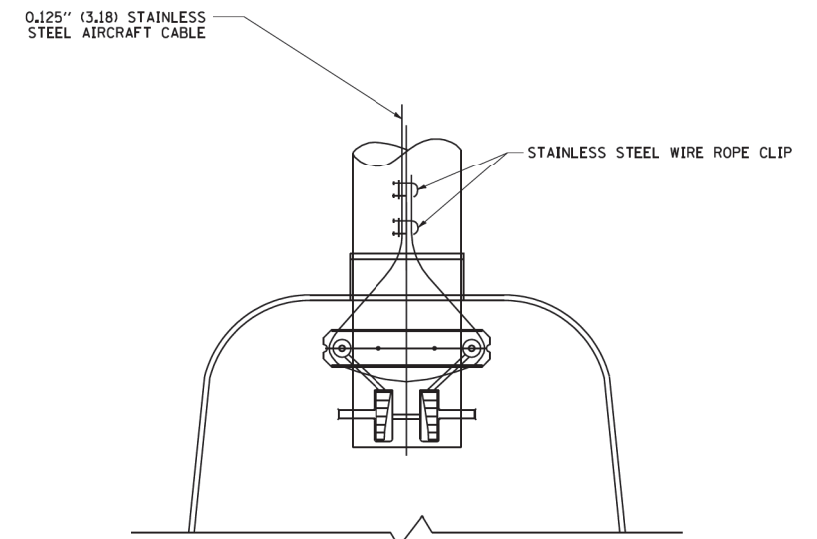
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



STAINLESS STEEL
U-BOLT HAYARD



BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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	PLCT DATE = 1/4/2008	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				BE-701			
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO.

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SINGH
SINGH & ASSOCIATES INC
CONSULTING ENGINEERS

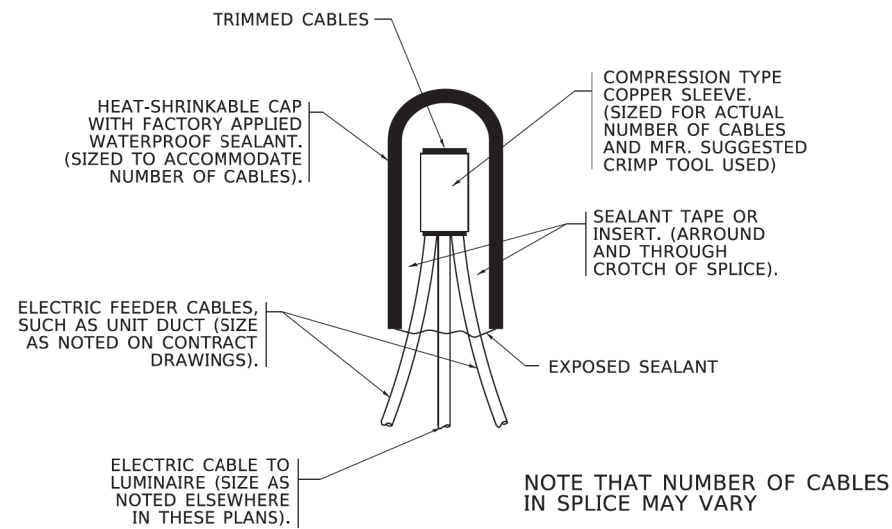
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PLCT DATE = 9/30/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

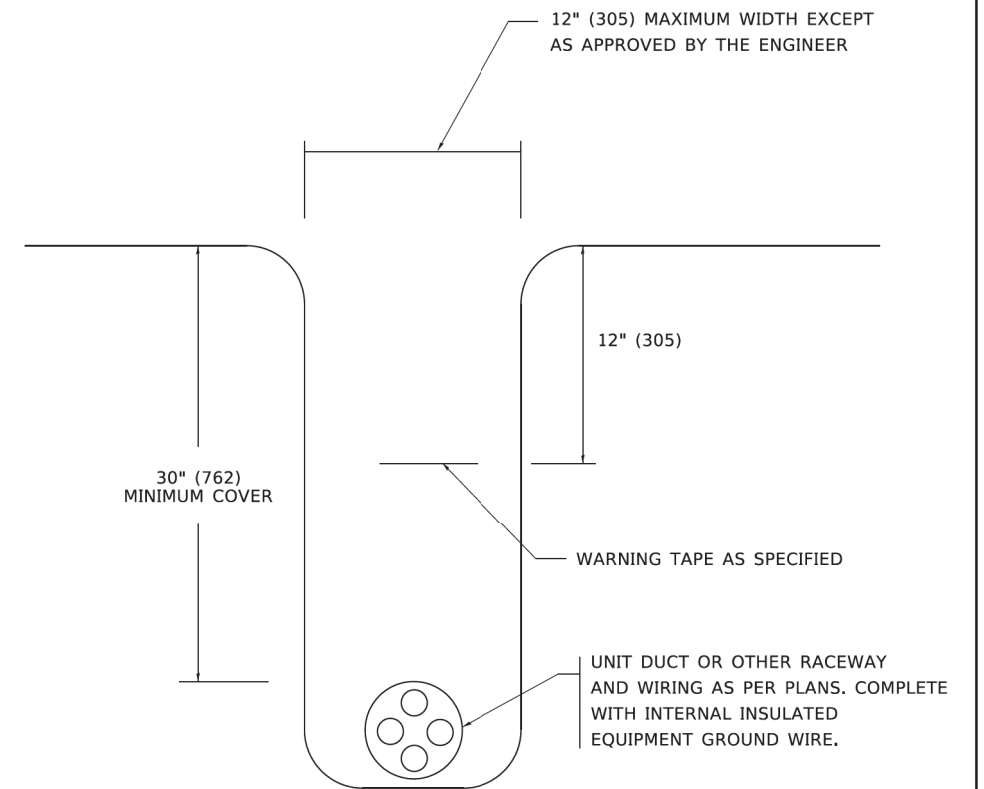
**STANDARD LIGHTING DETAILS - LUMINAIRE SAFETY CABLE ASSEMBLY
BELL ROAD AT MEADOWVIEW LANE**

SCALE: N/A	SHEET 6 OF 8 SHEETS	STA. N/A TO STA. N/A
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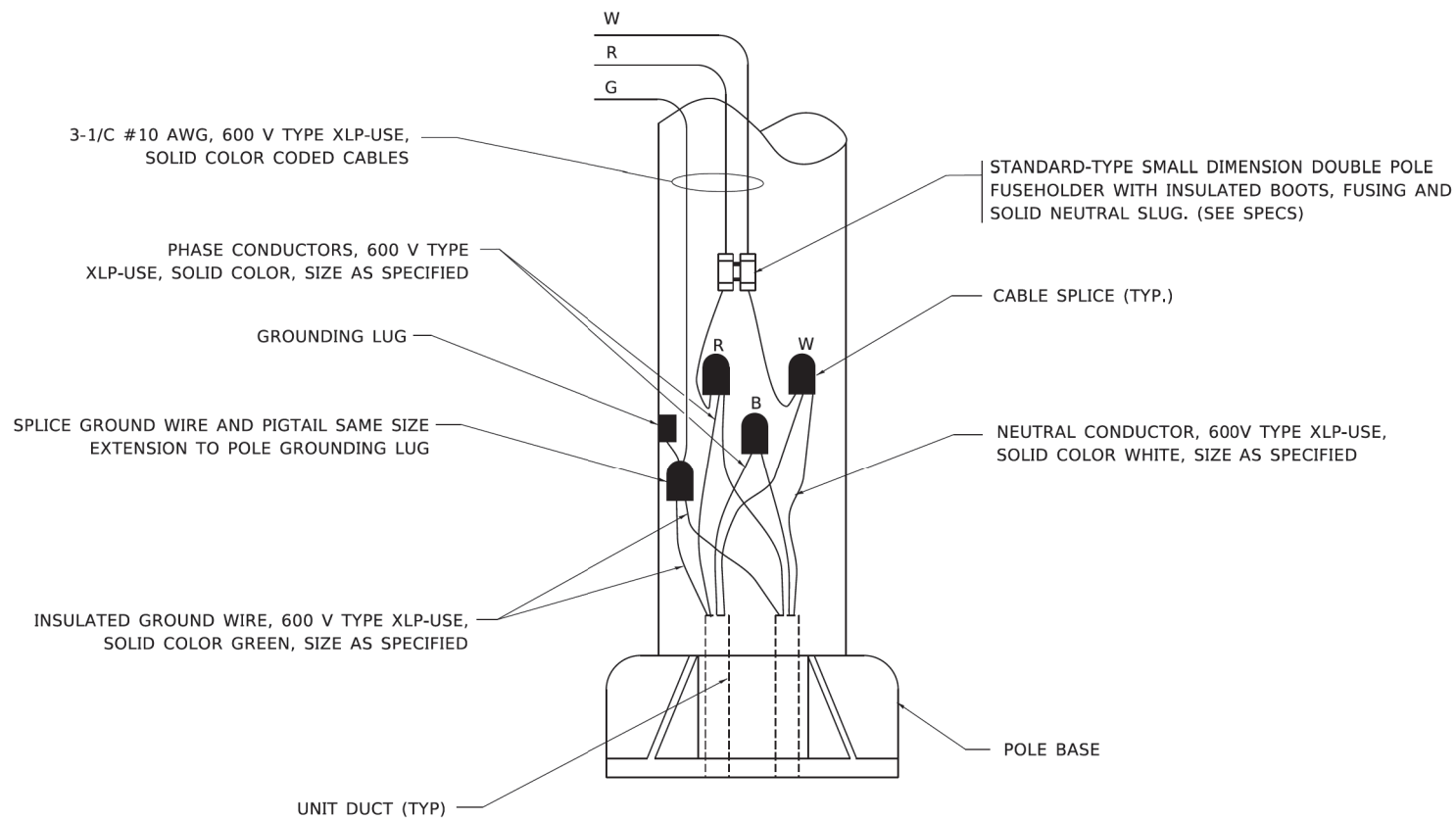
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0356	99-00147-07-FP	WILL	229	157
BE-701			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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PLCT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-702			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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

MODEL: Default
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SINGH
SINGH & ASSOCIATES INC
CONSULTING ENGINEERS

USER NAME = etchoi	DESIGNED - DJ, YJ	REVISED -
	DRAWN - YJ	REVISED -
PLCT SCALE = 40.0000 ' / in.	CHECKED - RP	REVISED -
PLCT DATE = 9/30/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD LIGHTING DETAILS - MISCELLANEOUS
BELL ROAD AT MEADOWVIEW LANE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	158
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

SCALE: N/A SHEET 7 OF 8 SHEETS STA. N/A TO STA. N/A

Bench Mark: No. 6 (FB488/9) Cut cross on NE'LY top flange bolt of fire hydrant, east side of Bell Road at the N'LY property line of Elite fitness. Elev. 762.104.
 No. 7 (FB488/10) cut cross on top NW'LY cor. of concrete pad for traffic signal handhole at the NE quad of 151st & Bell Road. Elev. 759.082

Existing Structure: None

Salvage: None

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges,
 AASHTO Guide Specifications for Structural Design of Sound Barriers, 1989 and interims

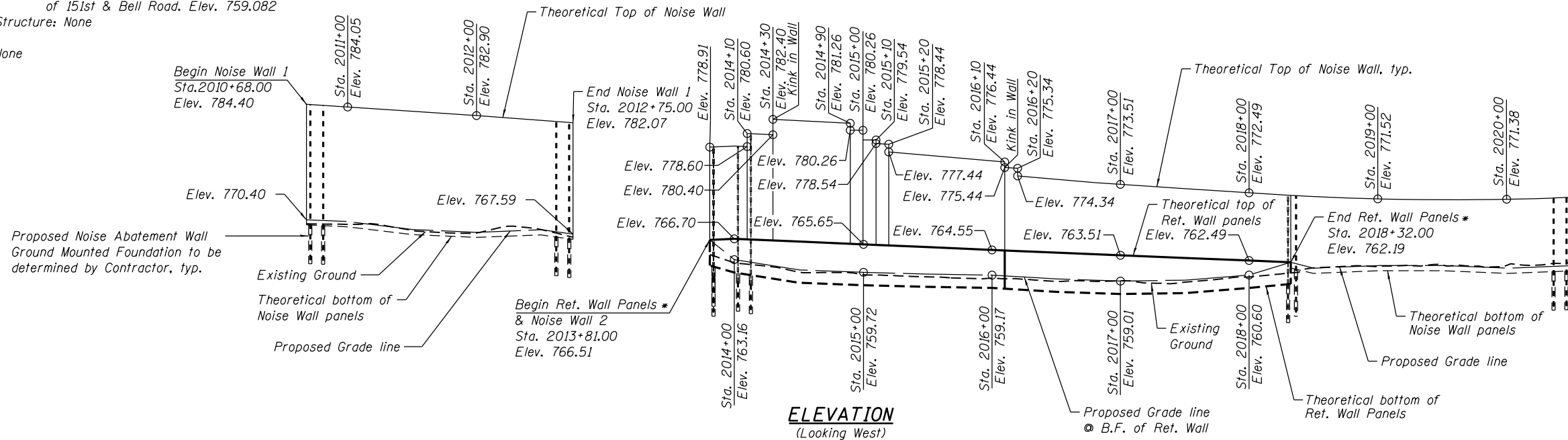
DESIGN STRESSES

FIELD UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

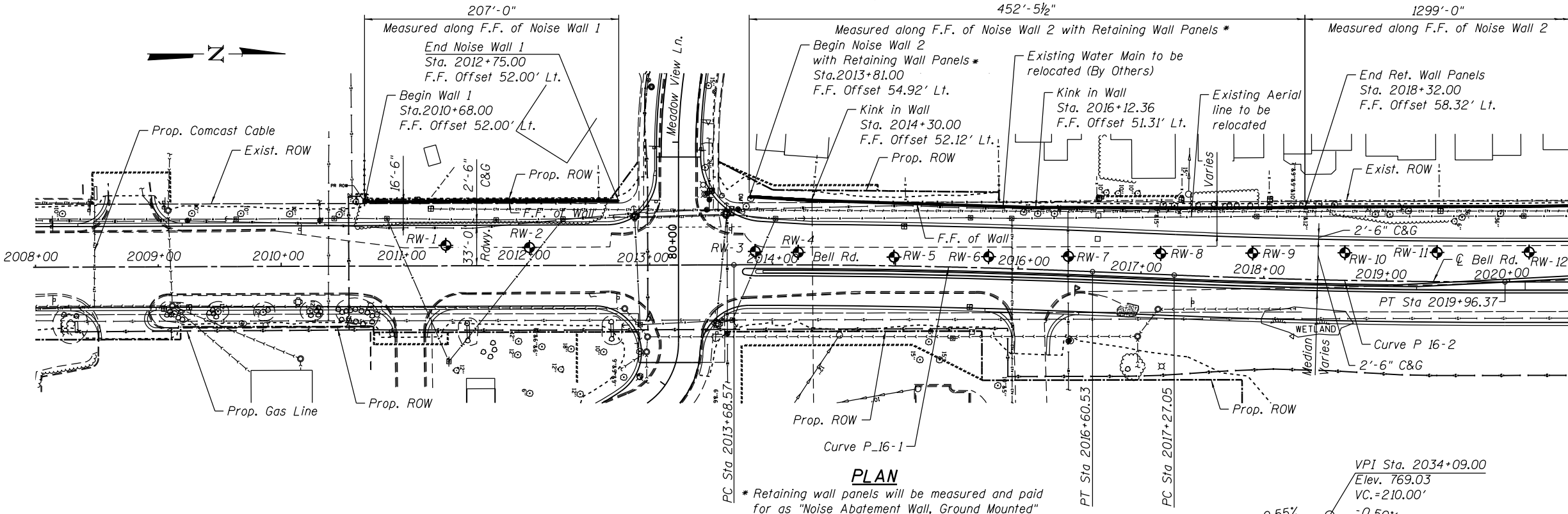
PRECAST UNITS
 $f_c = 4,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Fabric)

LOADING
 Wind Load on Noise Wall = 25 psf
 Wind Load on Noise Wall with Retaining Wall Panels = 35 psf
 Active Earth Pressure = 40 pcf (Equivalent fluid)
 L.L. Surcharge Pressure = 2 ft of earth pressure

SEISMIC DATA
 Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.04g
 Site Coefficient (S) = 1.5

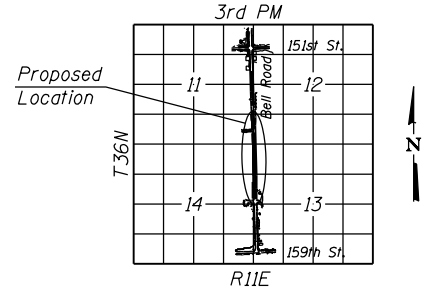


MATCH LINE A-A
STA. 2020+50.00



Notes:
 The Contractor shall prepare a wall and foundation design submittal and submit to the Engineer; the Engineer of Record will review the submittal for approval. All submittals shall be signed and sealed by a Structural Engineer licensed in Illinois.
 See Special Provision CONCRETE NOISE ABATEMENT WALLS (ABSORPTIVE AND REFLECTIVE) for additional requirements.
 Stations and offsets are measured from Profile Grade of proposed Bell Road to the front face of Noise Abatement Wall Panels.
 For Match line A-A, See Sheet 2 of 16.
 For Wall Elevation Tables, See Sheet 3 of 16.
 For Typical Sections, See Sheet 4 of 16.
 From Sta. 2013+81.00 to Sta. 2018+32, the noise wall system shall be designed to withstand active earth pressure and live load surcharge.
 F.F. = Front Face
 B.F. = Back Face

MATCH LINE A-A
STA. 2020+50.00

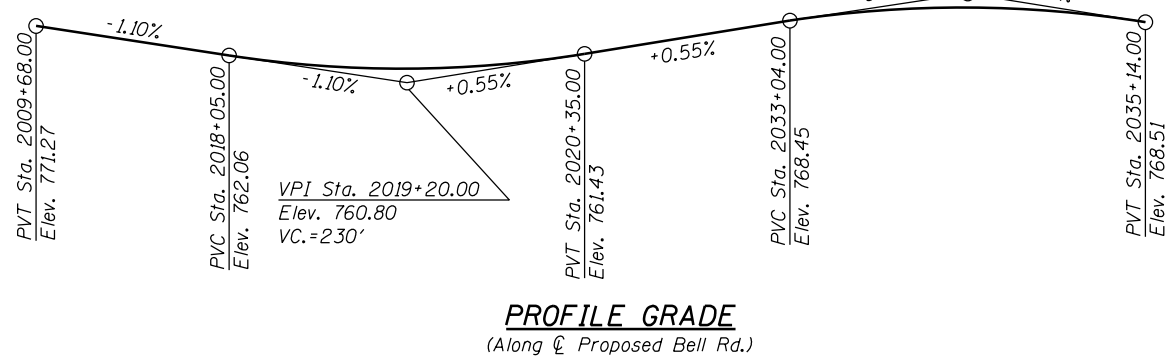


CURVE DATA
 (Along \hat{C} Proposed Bell Rd.)
 PROP. CURVE P-16-1
 P.I. Sta. = 2015+14.58
 $\Delta = 2^\circ 34' 53''$ (Rt.)
 $D = 0^\circ 53' 03''$
 $R = 6,480.00'$
 $T = 146.00'$
 $L = 291.95'$
 $E = 1.64'$
 P.C. Sta. = 2013+68.57
 P.T. Sta. = 2016+60.53
 Design Speed = 45 MPH

CURVE DATA
 (Along \hat{C} Proposed Bell Rd.)
 PROP. CURVE P-16-2
 P.I. Sta. = 2018+61.73
 $\Delta = 2^\circ 22' 53''$ (Lt.)
 $D = 0^\circ 53' 03''$
 $R = 6,480.00'$
 $T = 134.68'$
 $L = 269.33'$
 $E = 1.40'$
 P.C. Sta. = 2017+27.05
 P.T. Sta. = 2019+96.37
 Design Speed = 45 MPH

LEGEND

- Prop. Storm Sewer Line
- A — Aerial Line
- Storm Sewer Line
- Sanitary Line
- Prop. Gas Line
- Prop. Comcast Cable
- ◆ Soil Boring Location



LOCATION SKETCH

**GENERAL PLAN & ELEVATION-I
 NOISE ABATEMENT WALL 1 AND 2
 BELL ROAD
 F.A.P. RTE. 0356 - SEC. 99-00147-07-FP
 WILL COUNTY
 STA. 2010+68.00 TO 2035+90.00**



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-9190
 FAX: (312) 782-1884

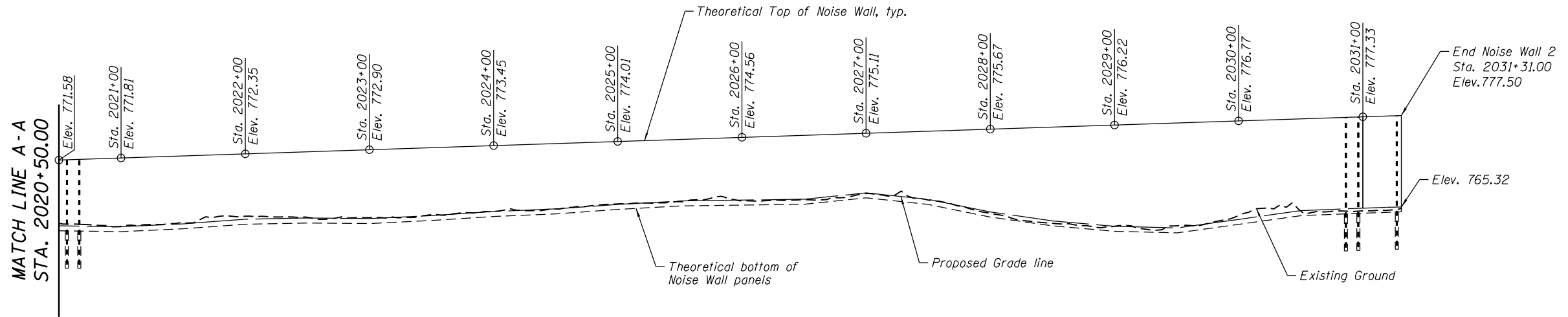
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

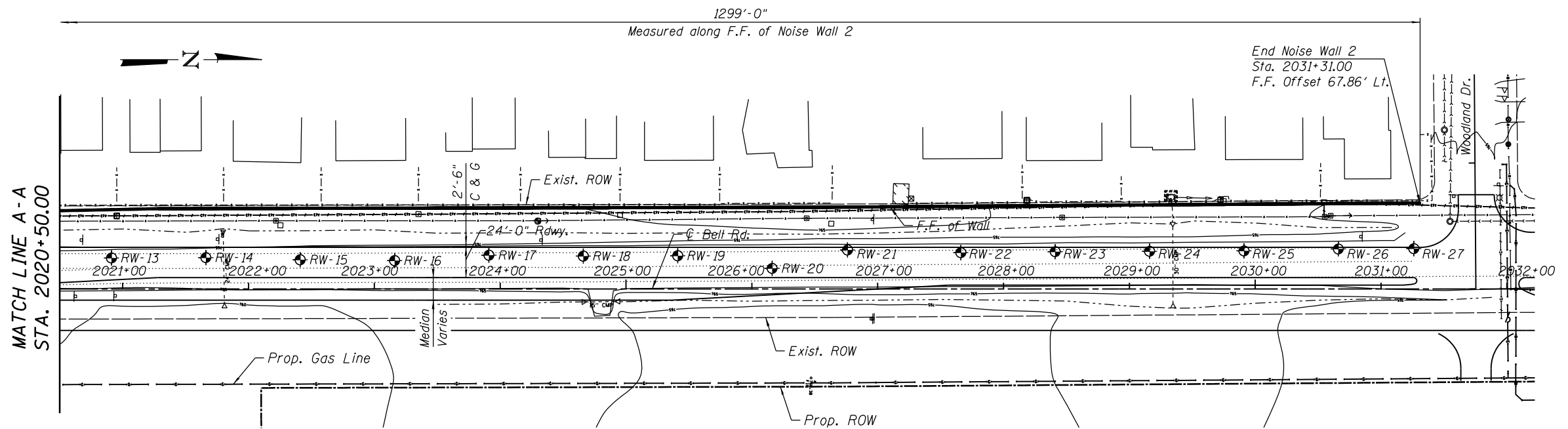
GENERAL PLAN & ELEVATION-I
 NOISE ABATEMENT WALLS

SCALE: SHEET NO. 1 OF 16 SHEETS STA. 2010+68.00 TO STA. 2035+90.00

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 160
			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking West)



PLAN

Notes:
 For Match line A-A, See Sheet 1 of 16.
 For Wall elevation tables, See Sheet 3 of 16.
 For typical section, See Sheet 4 of 16.
 F.F. = Front Face
 B.F. = Back Face

LEGEND

- Prop. Storm Sewer Line
- A— Aerial Line
- ▽— Storm Sewer Line
-) — Sanitary Line
- <— Prop. Gas Line
- ◆ Soil Boring Location

INDEX OF SHEETS

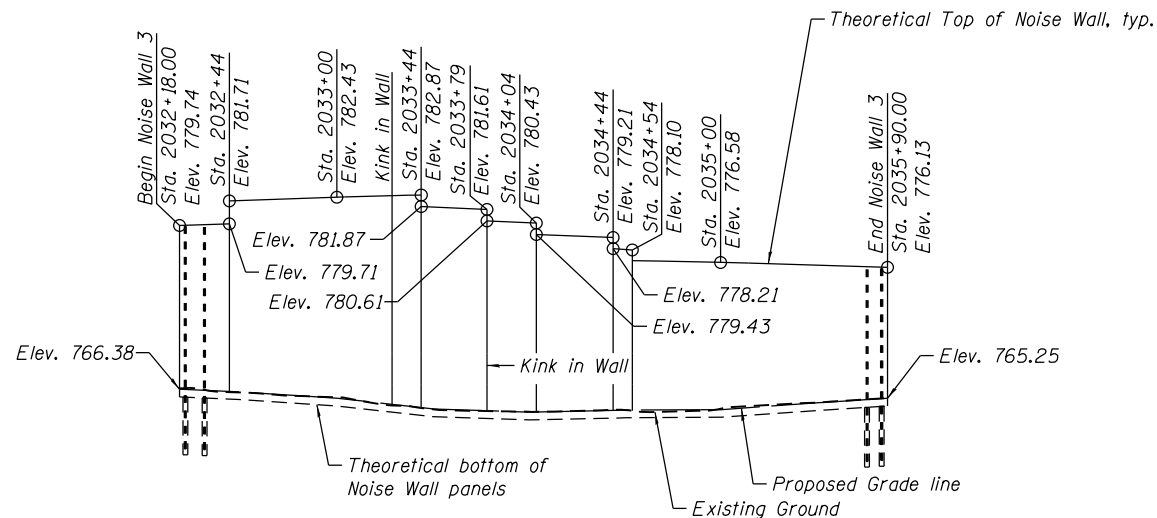
- 1 General Plan and Elevation-I
- 2 General Plan and Elevation-II
- 3 General Plan and Elevation-III
- 4 Typical Sections and Details
- 5 Architectural Finish
- 6-16 Soil Boring Logs

TOTAL BILL OF MATERIAL

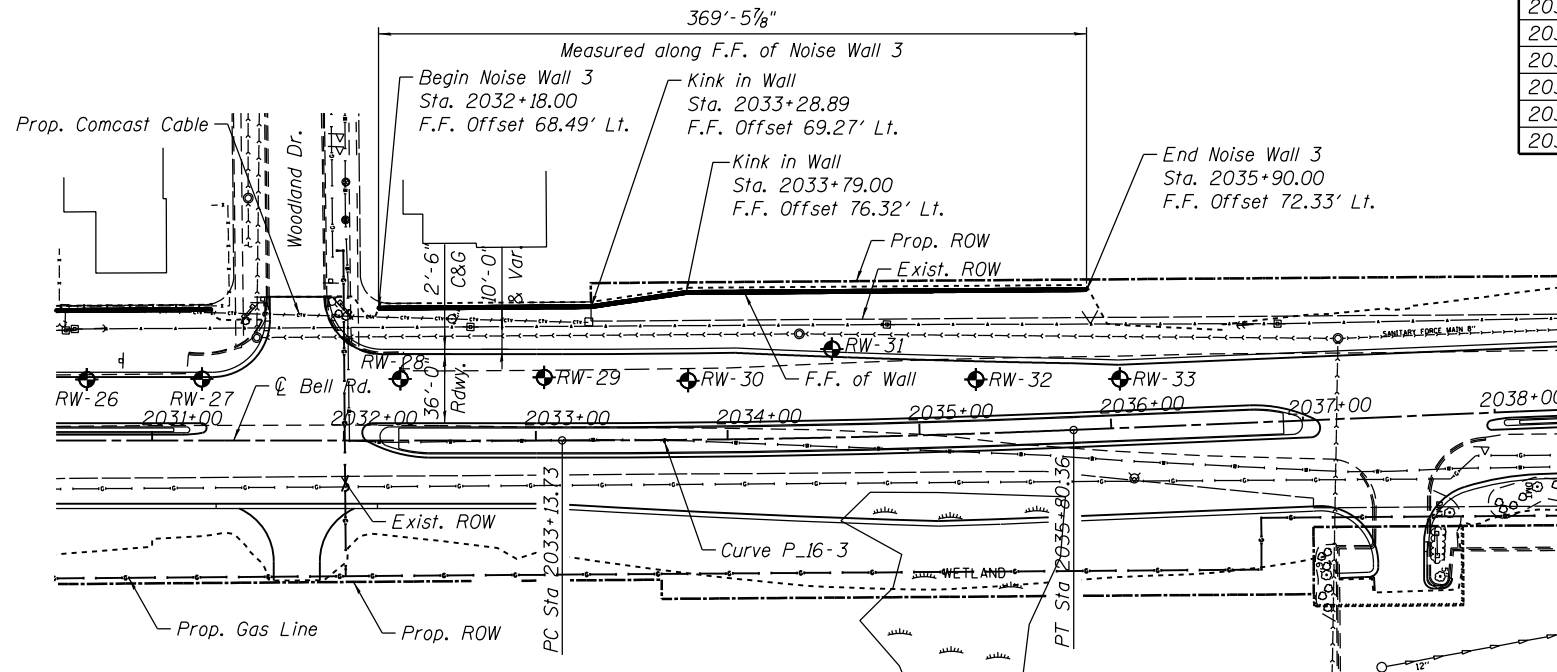
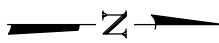
ITEM	UNIT	TOTAL
* Noise Abatement Wall, Ground mounted	Sq. Ft.	31910
** Pipe Underdrains for Structures 4"	Foot	453

* See Special Provisions
 ** GBSP 51

GENERAL PLAN & ELEVATION-II
NOISE ABATEMENT WALL 2
BELL ROAD
F.A.P. RTE. 0356 - SEC. 99-00147-07-FP
WILL COUNTY
STA. 2010+68.00 TO 2035+90.00



ELEVATION
(Looking West)



PLAN

LEGEND

- >—> Prop. Storm Sewer Line
- A— Aerial Line
- >— Storm Sewer Line
- >— Sanitary Line
- >— Prop. Gas Line
- >— Prop. Comcast Cable
- ⊕ Soil Boring Location

NOISE WALL 1

Station	Offset Left	Theoretical Top Elev.**	Theoretical Bottom Elev.	Proposed Ground Elev.
2010+68	52.00	784.40	769.73	770.40
2011+00	52.00	784.05	769.38	770.05
2011+50	52.13	783.45	767.86	768.53
2012+00	52.13	782.90	767.30	767.97
2012+50	52.09	782.35	767.80	768.47
2012+75	52.00	782.07	766.93	767.59

NOISE WALL 2

Station	Offset Left	Theoretical Top Elev.**	Theoretical Bottom Elev.	Proposed Ground Elev.
2013+81	54.91	778.91	*761.52	766.51
2014+00	53.79	778.70	*760.16	766.70
2014+10	53.22	780.60	*759.77	766.60
2014+30	52.12	782.40	*758.97	766.40
2014+50	51.65	782.20	*758.18	766.20
2014+90	50.85	781.76	*757.81	765.76
2015+00	50.68	780.26	*757.72	765.65
2015+10	50.54	779.54	*757.65	765.54
2015+50	50.11	777.10	*757.38	765.10
2016+00	49.92	776.55	*757.17	764.55
2016+10	51.40	776.44	*757.02	764.44
2016+50	49.92	774.03	*756.43	764.03
2017+00	53.29	773.51	*756.01	763.51
2017+50	55.17	773.00	*756.19	763.00
2018+00	57.07	772.49	*757.17	762.49
2018+50	59.03	771.82	760.35	761.02
2019+00	60.07	771.52	760.85	761.52
2019+50	60.72	771.52	760.86	761.52
2020+00	60.99	771.38	760.35	761.02
2020+50	61.67	771.58	760.84	761.50
2021+00	62.71	771.81	760.66	761.33
2021+50	63.34	772.07	761.25	761.91
2022+00	63.46	772.35	762.18	762.85
2022+50	63.57	772.62	762.42	763.09
2023+00	63.68	772.90	762.30	762.97
2023+50	63.79	773.18	762.92	763.59
2024+00	63.90	773.45	763.73	764.40
2024+50	64.01	773.73	764.27	764.93
2025+00	64.13	774.01	765.15	765.82
2025+50	64.24	774.28	765.84	766.51
2026+00	64.35	774.56	766.03	766.69
2026+50	64.46	774.84	766.21	766.87
2027+00	64.75	775.11	767.48	768.15
2027+50	65.11	775.39	766.17	766.83
2028+00	65.47	775.67	763.63	764.30
2028+50	65.83	775.94	761.84	762.51
2029+00	66.19	776.22	760.73	761.40
2029+50	66.55	776.50	760.42	761.08
2030+00	66.92	776.77	762.14	762.81
2030+50	67.28	777.05	763.91	764.58
2031+00	67.64	777.33	764.40	765.07
2031+31	67.86	777.50	764.66	765.32

NOISE WALL 3

Station	Offset Left	Theoretical Top Elev.**	Theoretical Bottom Elev.	Proposed Ground Elev.
2032+18	68.49	779.74	765.71	766.38
2032+44	68.68	781.71	765.42	766.09
2032+50	68.71	782.16	765.36	766.03
2033+00	69.08	782.43	764.54	765.21
2033+44	71.48	782.87	763.31	763.98
2033+50	72.28	780.66	763.15	763.82
2034+00	76.23	780.75	762.71	763.38
2034+04	76.21	780.43	762.74	763.41
2034+44	75.81	779.21	762.96	763.63
2034+50	75.74	776.73	763.00	763.66
2035+00	74.86	776.58	763.05	763.72
2035+50	73.61	776.33	763.95	764.61
2035+90	72.33	776.13	764.59	765.25

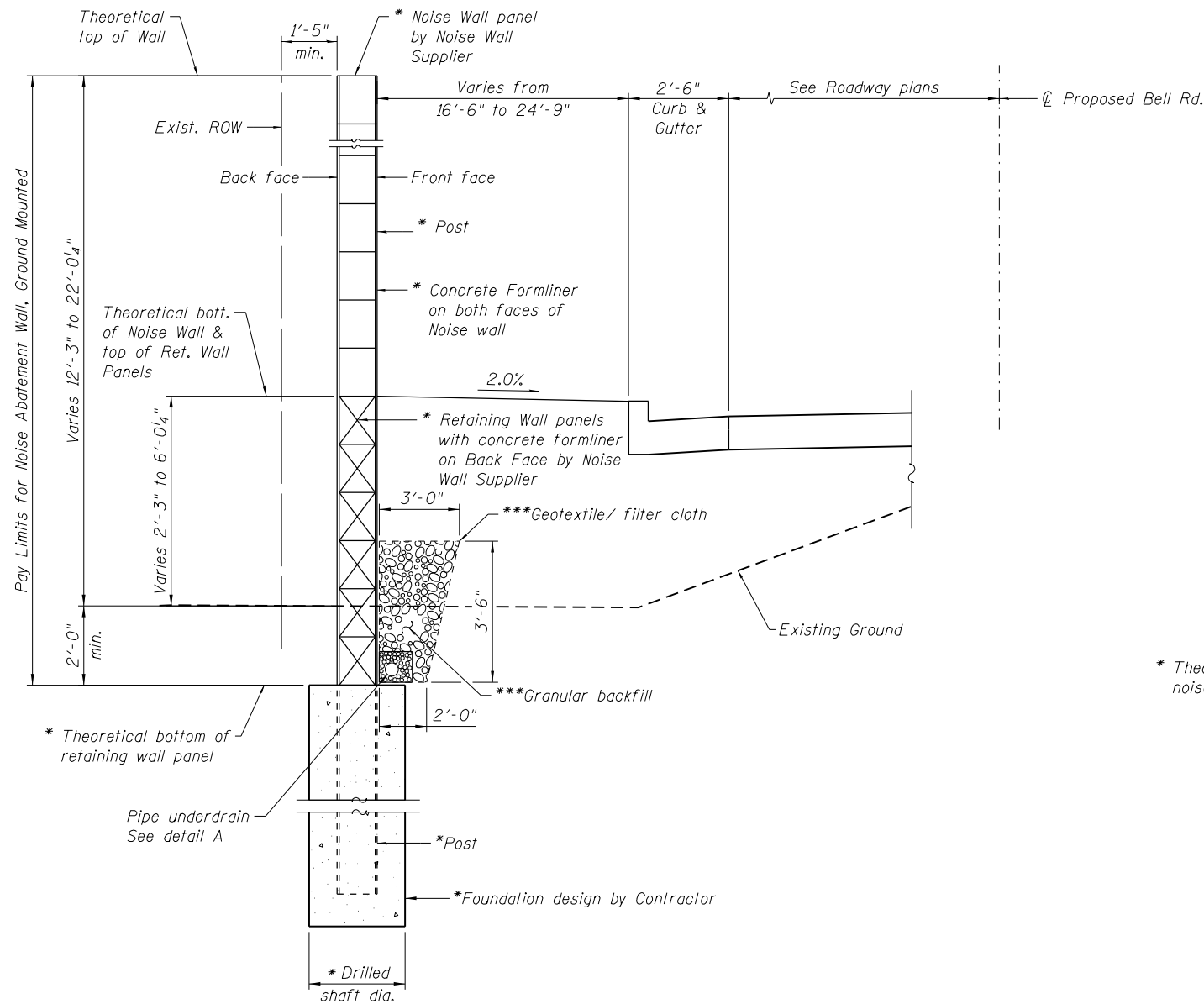
* Bottom elevation of Retaining wall panel
 ** Top of Noise Wall panels shall not be lowered than the theoretical top of Noise Wall elevations

CURVE DATA

(Along Proposed Bell Rd.)
 PROP. CURVE P_16-3
 P.I. Sta. = 2034+47.07
 $\Delta = 2^\circ 21' 27''$ (Lt.)
 $D = 0^\circ 53' 03''$
 $R = 6,480.00'$
 $T = 133.34'$
 $L = 266.63'$
 $E = 1.37'$
 P.C. Sta. = 2033+13.73
 P.T. Sta. = 2035+80.36
 Design Speed = 45 MPH

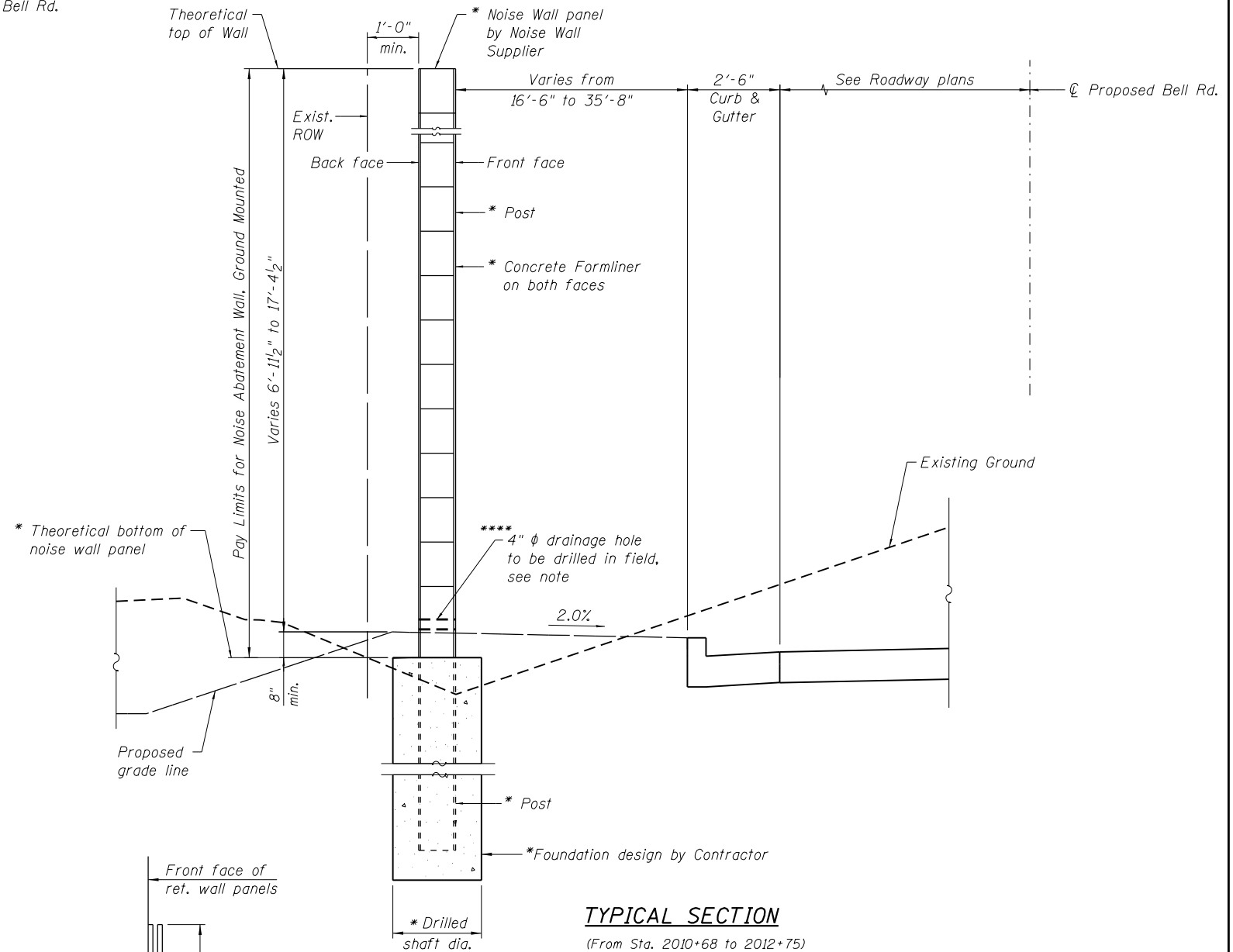
Notes:
 For typical sections. See Sheet 4 of 16.
 F.F. = Front Face
 B.F. = Back Face

GENERAL PLAN & ELEVATION-III
NOISE ABATEMENT WALL 3
BELL ROAD
F.A.P. RTE. 0356 - SEC. 99-00147-07-FP
WILL COUNTY
STA. 2010+68.00 TO 2035+90.00



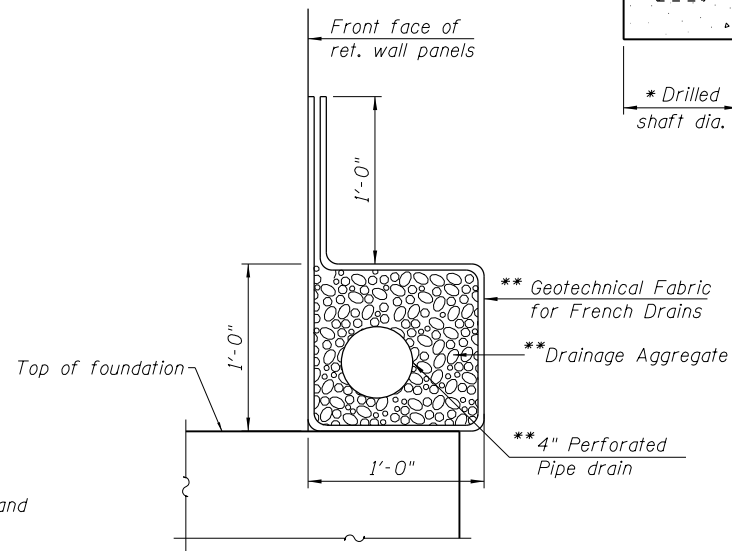
TYPICAL SECTION WITH RETAINING WALL PANELS

(From Sta. 2013+81 to 2018+32)



TYPICAL SECTION

(From Sta. 2010+68 to 2012+75)
 (From Sta. 2018+32 to 2031+31)
 (From Sta. 2032+18 to 2035+90)



DETAIL A

* Type, size & spacing of post, noise wall panels, retaining wall panels, foundation size and embedment length, reinforcement details and wall limits including top of wall and bottom of wall to be determined by noise wall supplier during construction. Cost included with Noise Abatement Wall, Ground Mounted.

** Included in the cost of "Pipe Underdrains for Structures".

*** Cost of Structure excavation, Geotextile/filter cloth and Granular backfill will be included in the cost of "Noise Abatement Wall, Ground mounted".

**** 4" ϕ drainage holes shall be field drilled through the wall panels to facilitate surface drainage with a maximum of one hole per panel within the following stations. Location to be determined by the Engineer. Cost included with Noise Abatement Wall, Ground Mounted.

(From Sta. 2011+50 to 2012+50)

(From Sta. 2018+50 to 2026+50)

(From Sta. 2028+00 to 2030+50)

at Sta. 2029+33, an additional 4" ϕ hole required

(From Sta. 2033+50 to 2035+90)

Notes:

The foundation, posts, and retaining wall panels shall be designed to accommodate the ultimate or maximum noise wall height and earth retention condition.

The foundation is not to be placed within 1'-0" of any pipes or utilities.

The Contractor shall verify and consider the location of existing and proposed drainage structures, overhead and underground utilities prior to wall construction. Any damage to utilities to be repaired at the Contractor's expense.

\$\$\$DGN\$\$\$
 \$\$\$SYTIME\$\$\$



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-8100
 FAX: (312) 782-1884

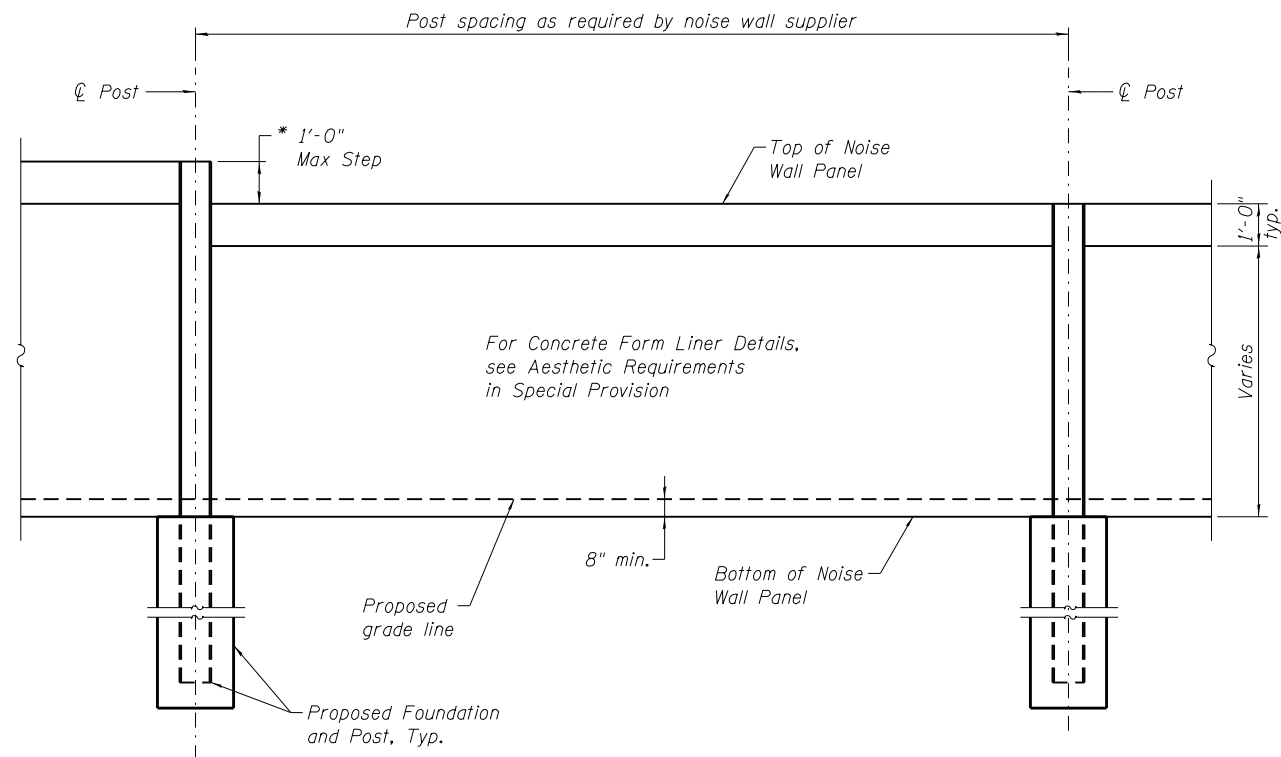
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PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 9/16/2021	CHECKED - JIG	REVISED -
	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND DETAILS
 NOISE ABATEMENT WALLS

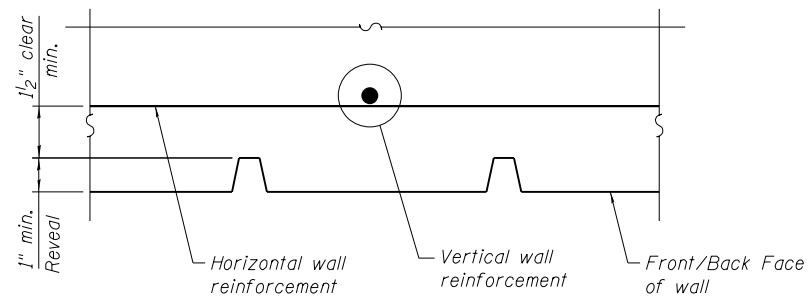
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	163
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



TYPICAL INSIDE/OUTSIDE ELEVATION - FORM LINER

* Maximum step allowed within 50 ft. of the start or end of noise wall is 2 ft.



PLAN - FORM LINER

NOTES:

See Concrete Noise Abatement Walls (Absorptive and Reflective) special provisions for additional requirements.
The roadway face of the noise wall panels shall be placed flush with the roadway facing flange of the wall support post.

\$\$\$ DGN \$\$\$
\$\$\$ YTIME \$\$\$



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
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USER NAME = ShaikhM	DESIGNED - MS	REVISED -
	DRAWN - DCP	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JIG	REVISED -
PLOT DATE = 9/16/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL FINISH
NOISE ABATEMENT WALLS

SCALE: SHEET NO. 5 OF 16 SHEETS STA. 2010+68.00 TO STA. 2035+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

EXHIBIT
Sheet 1 of 1

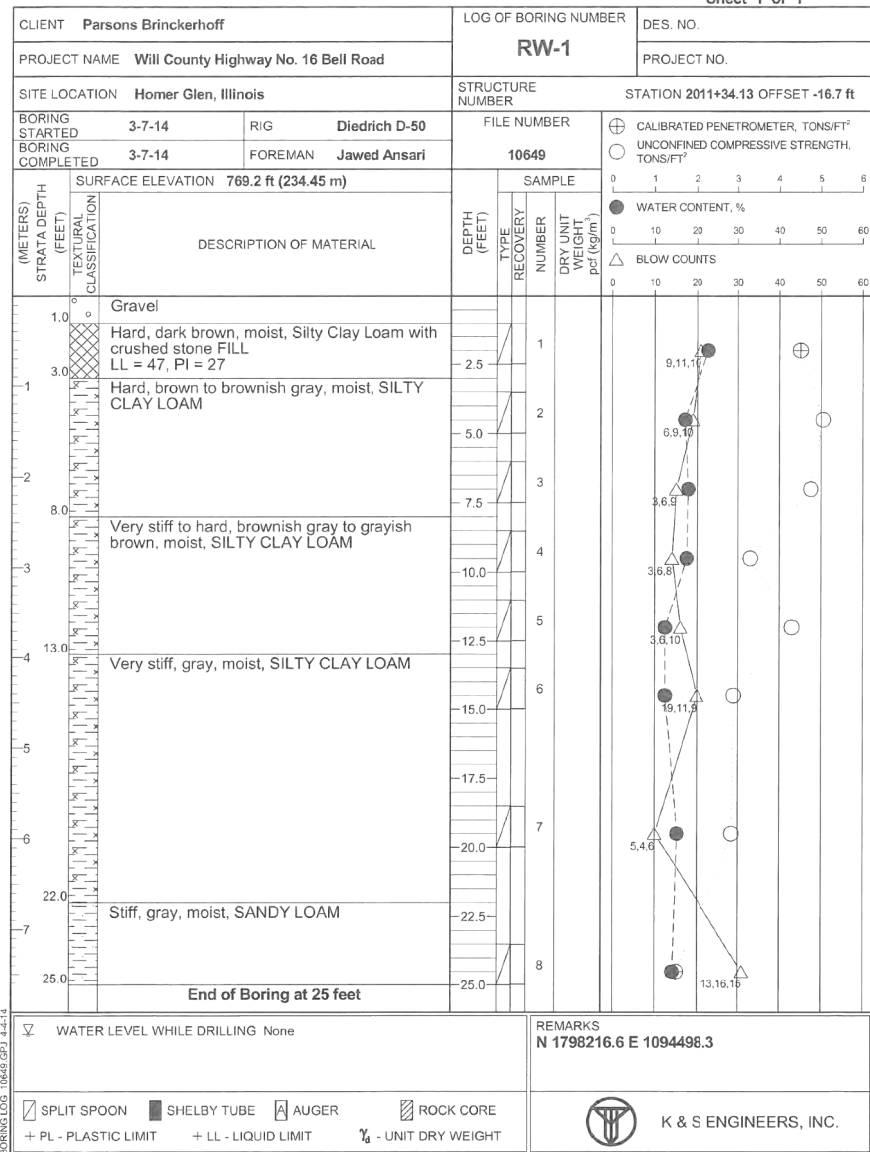


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Sheet 1 of 1

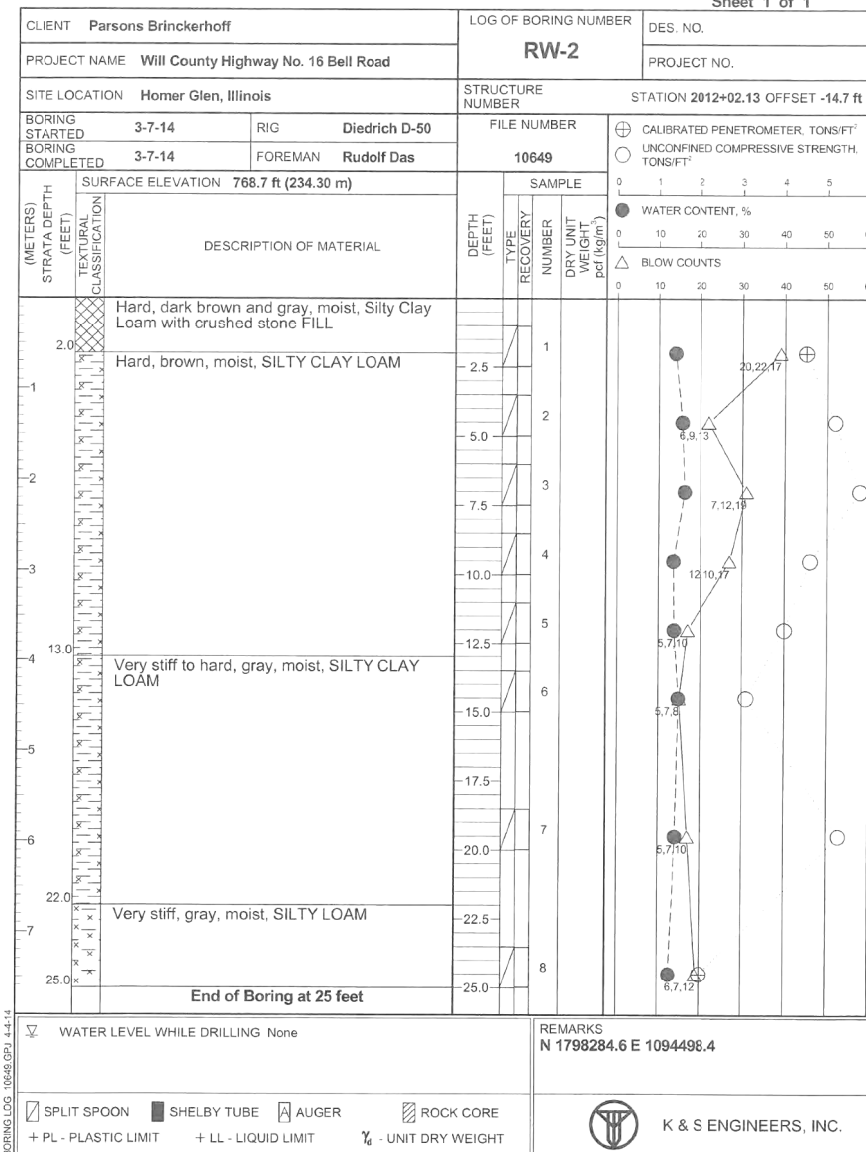


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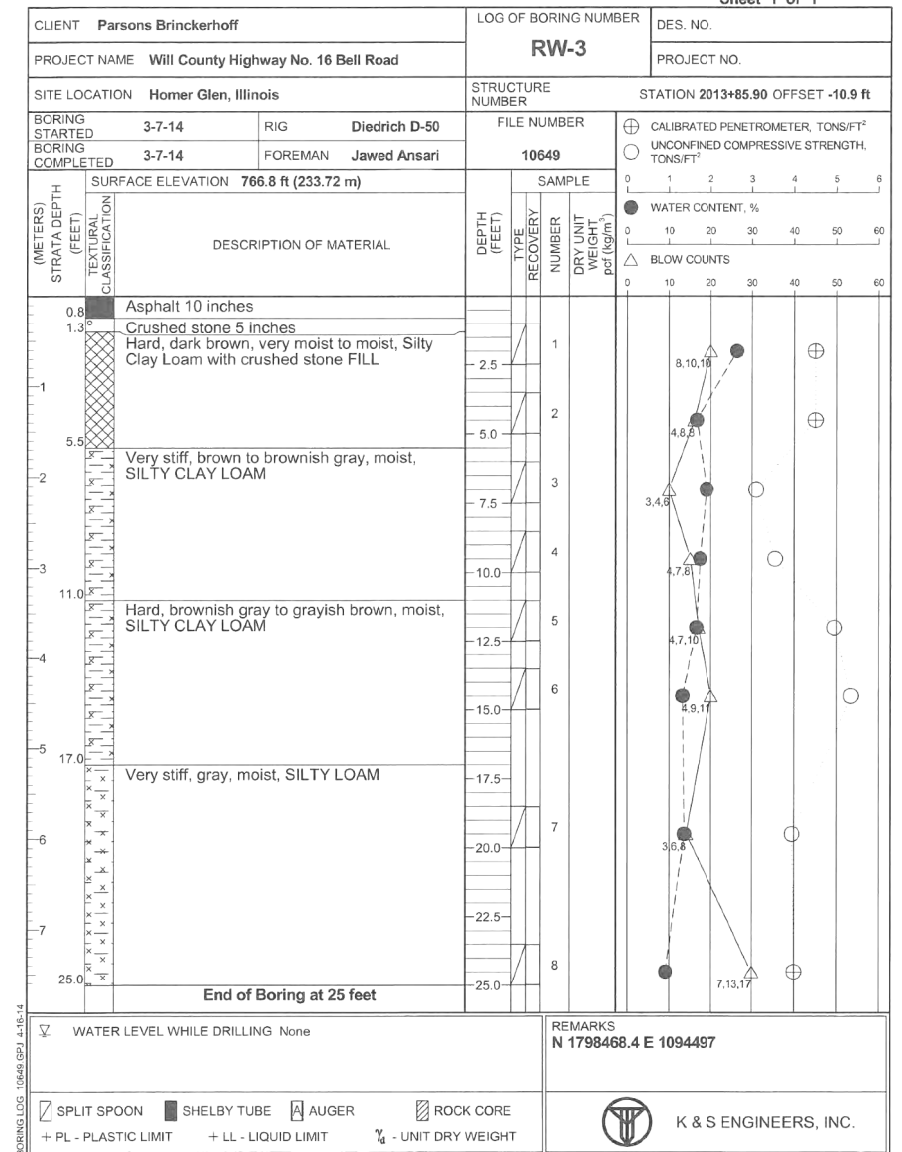


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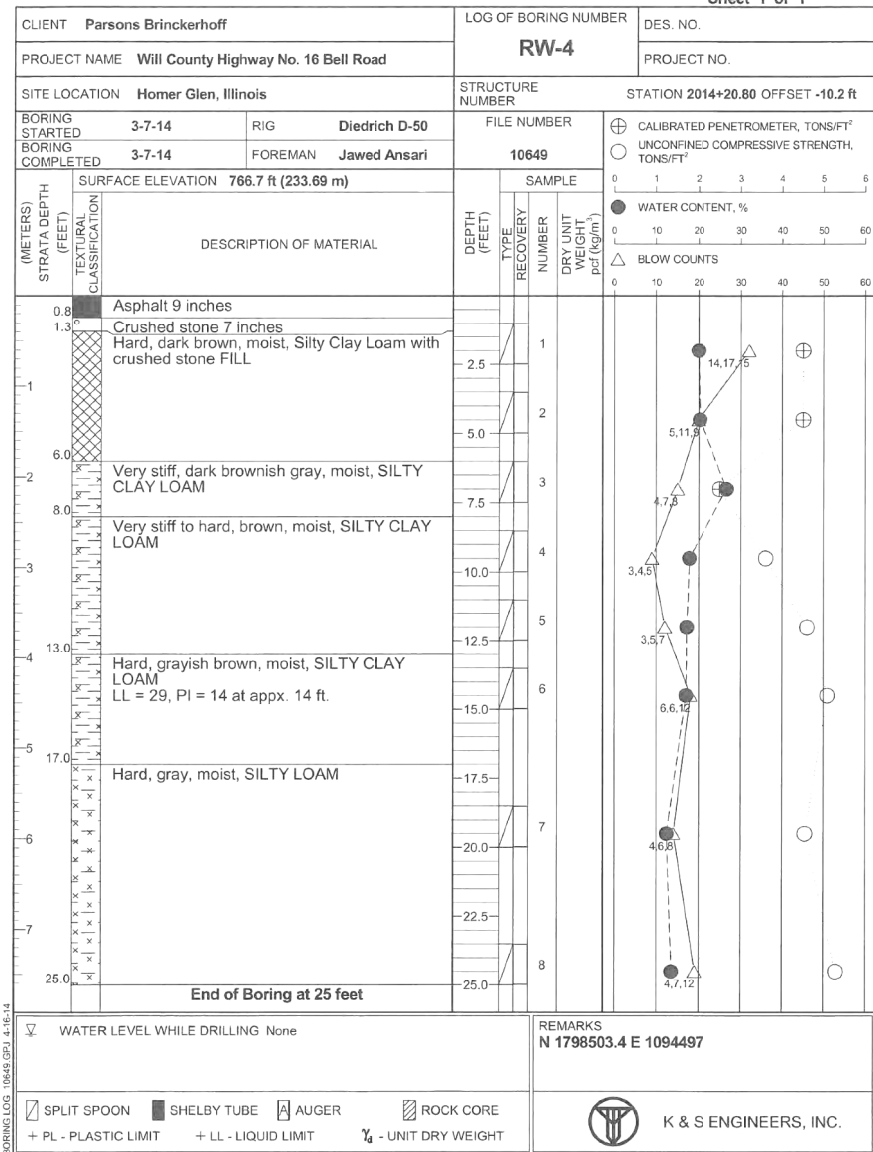


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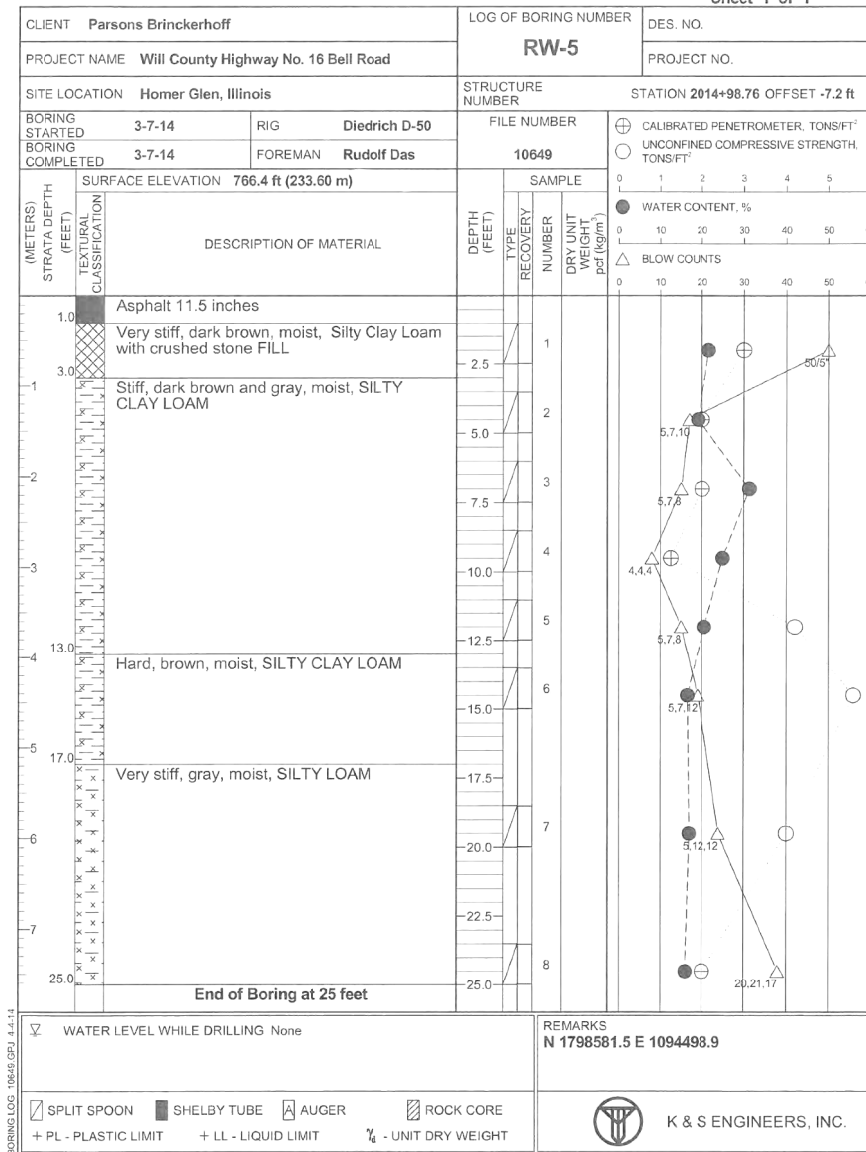


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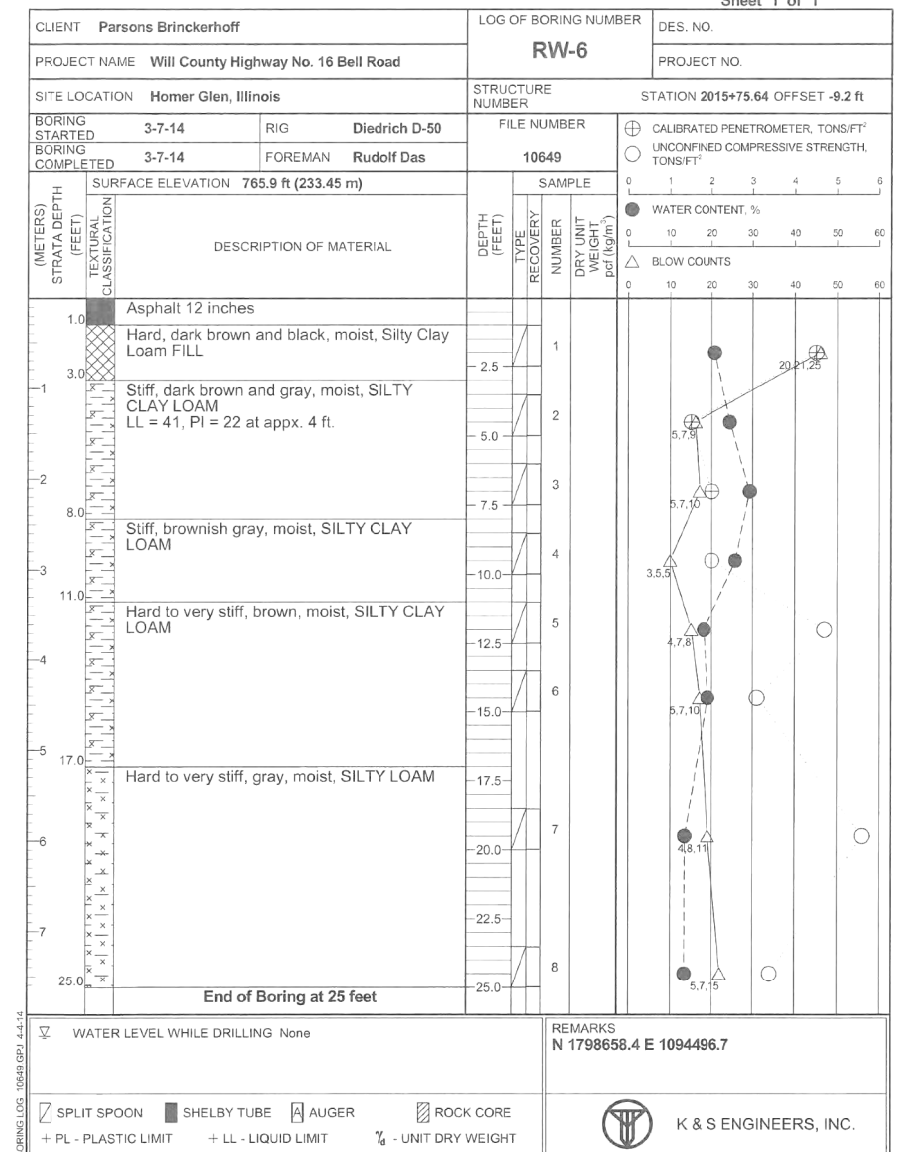


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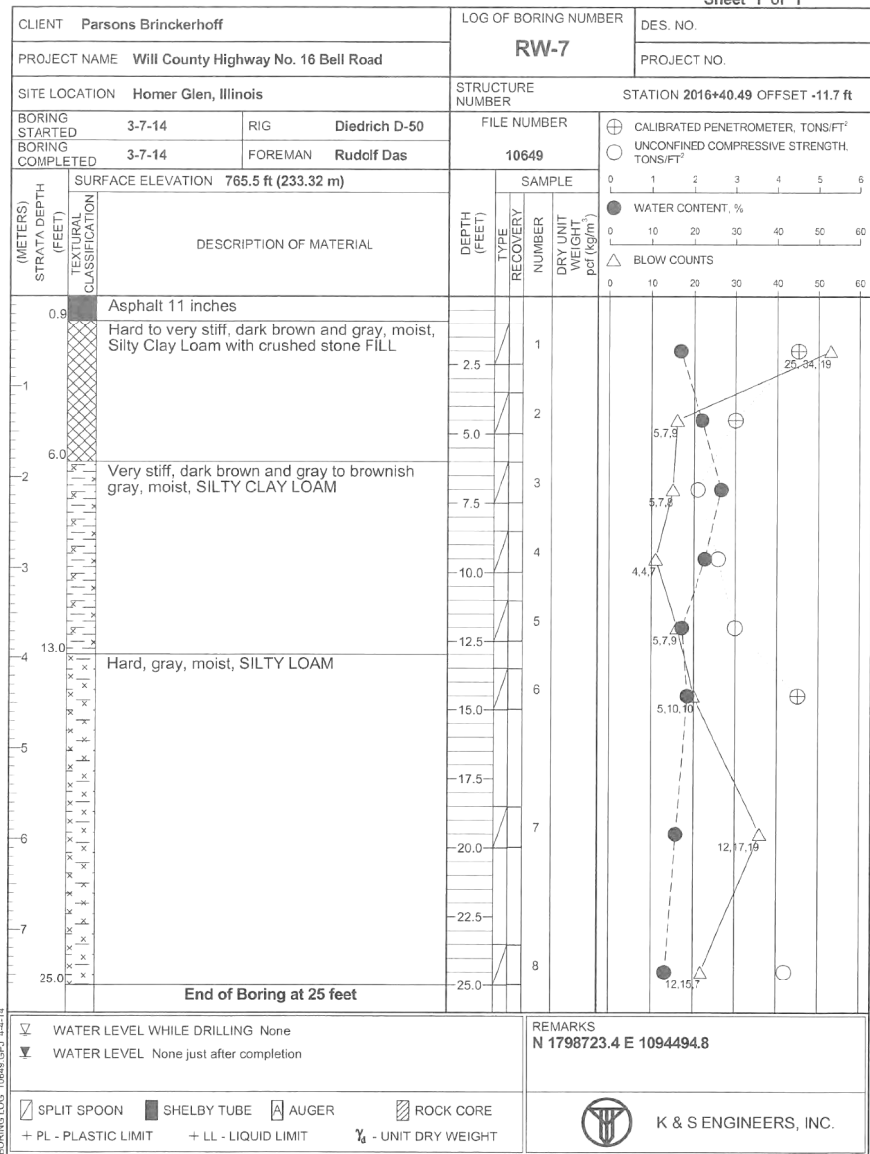


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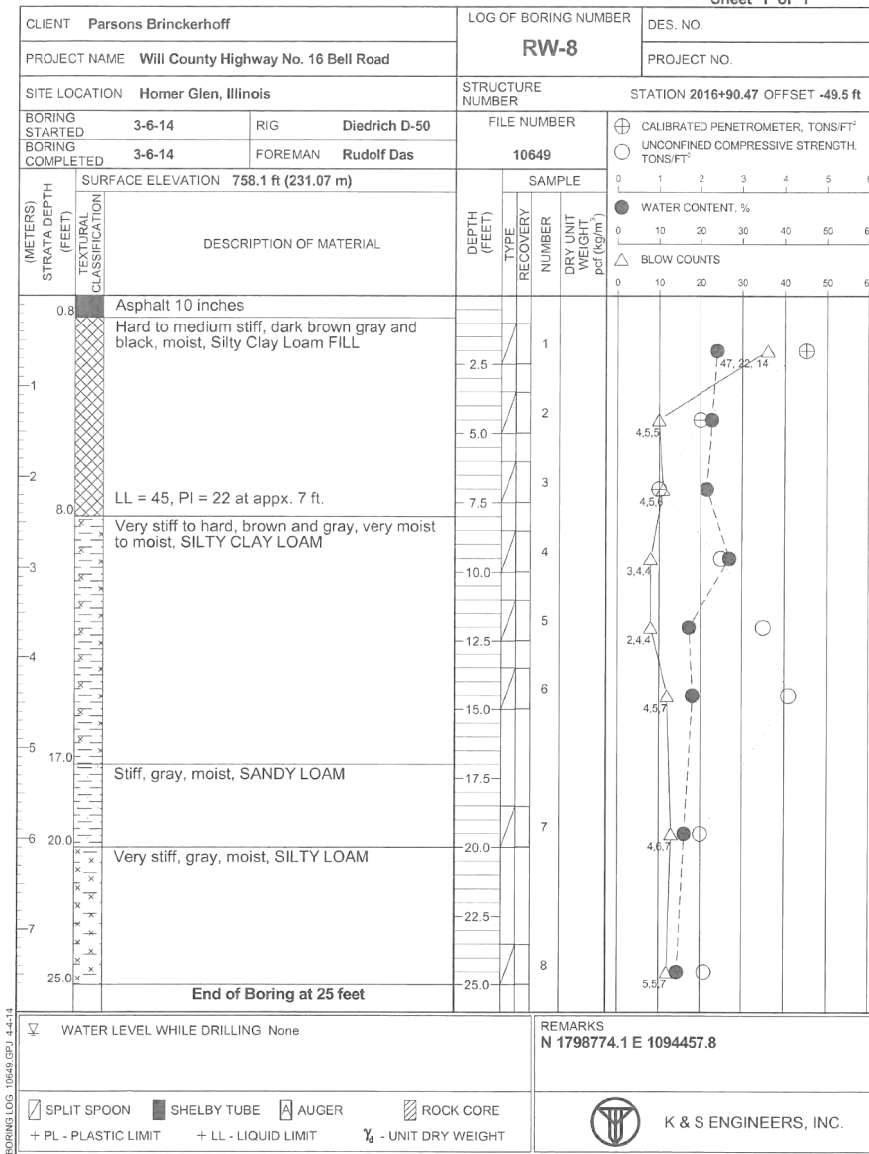


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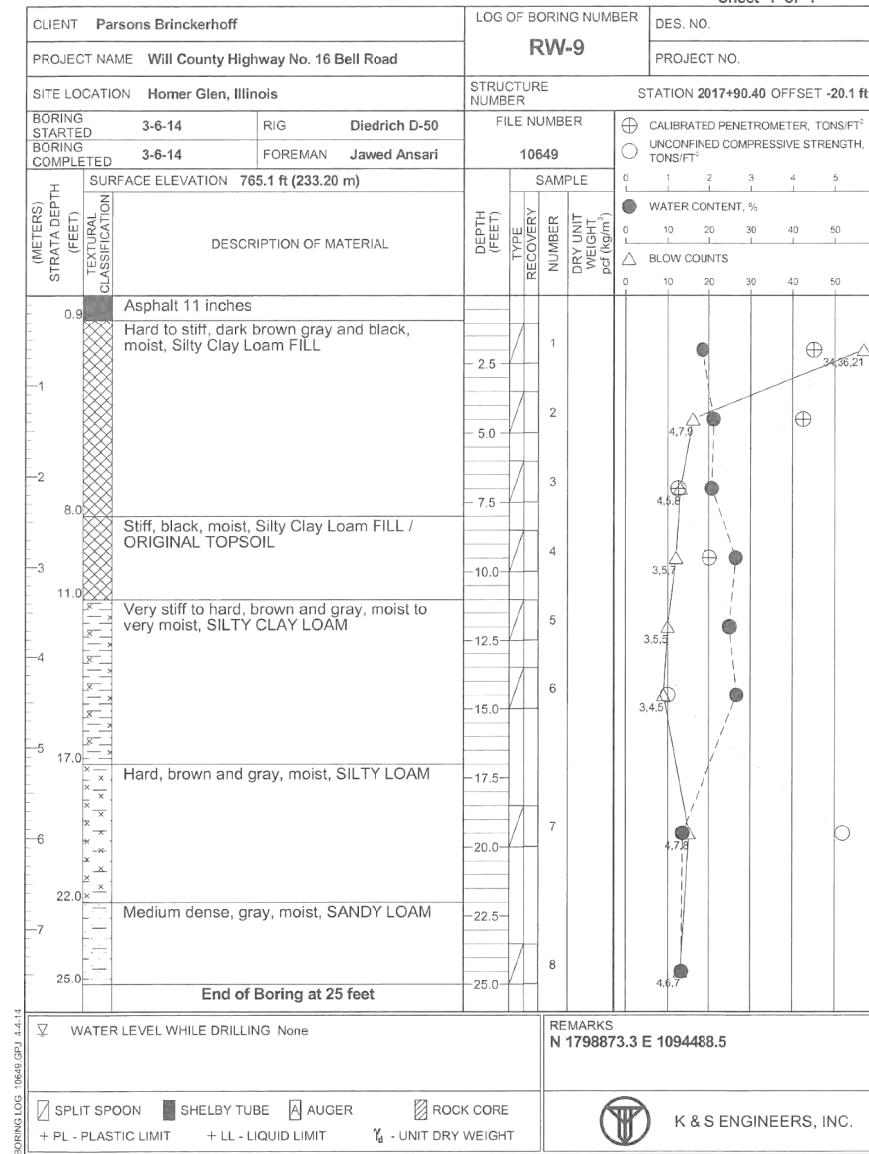


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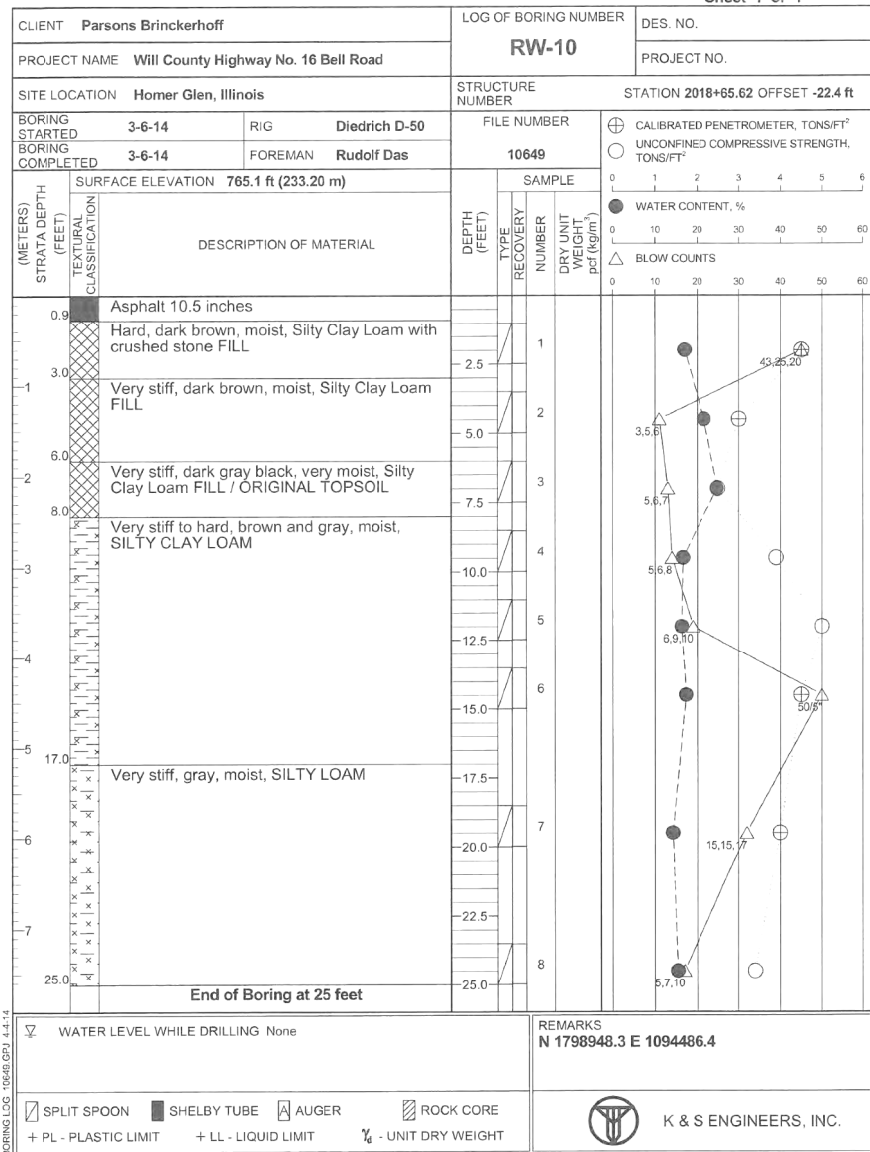


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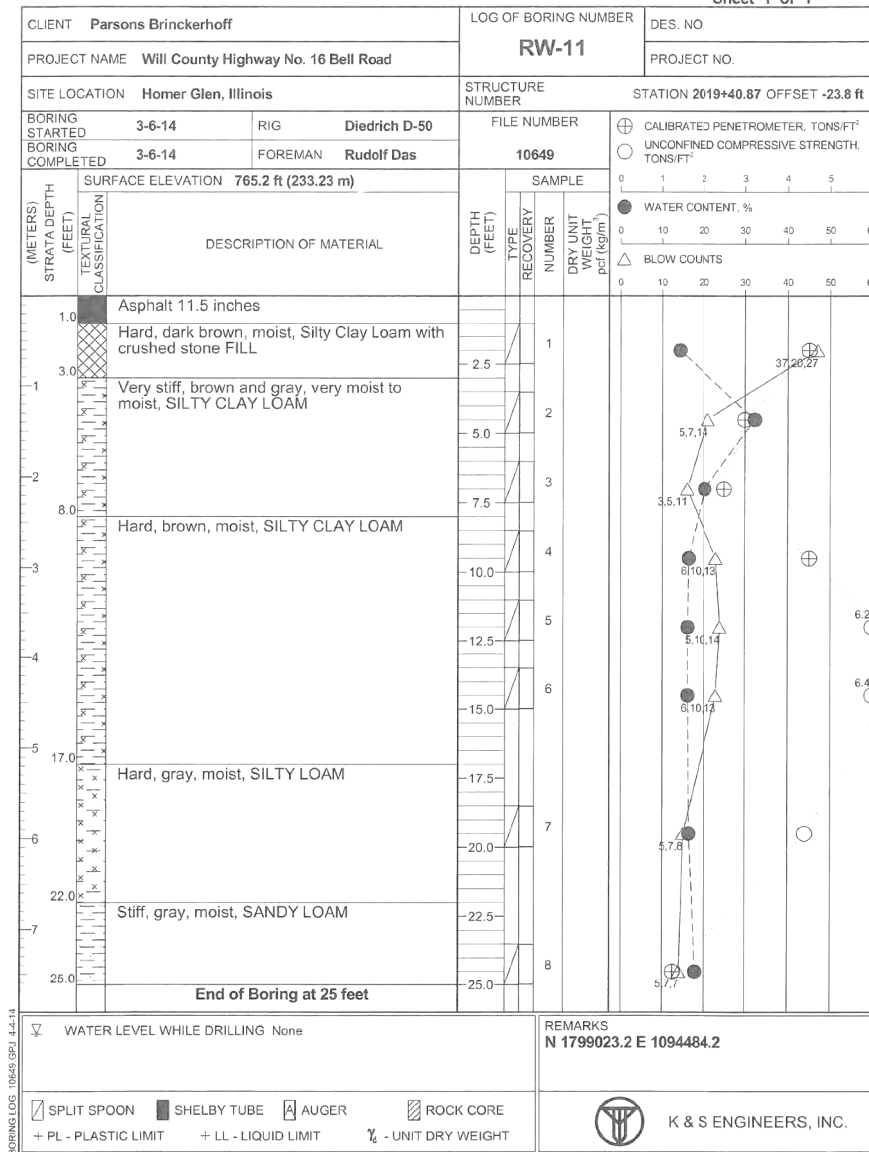


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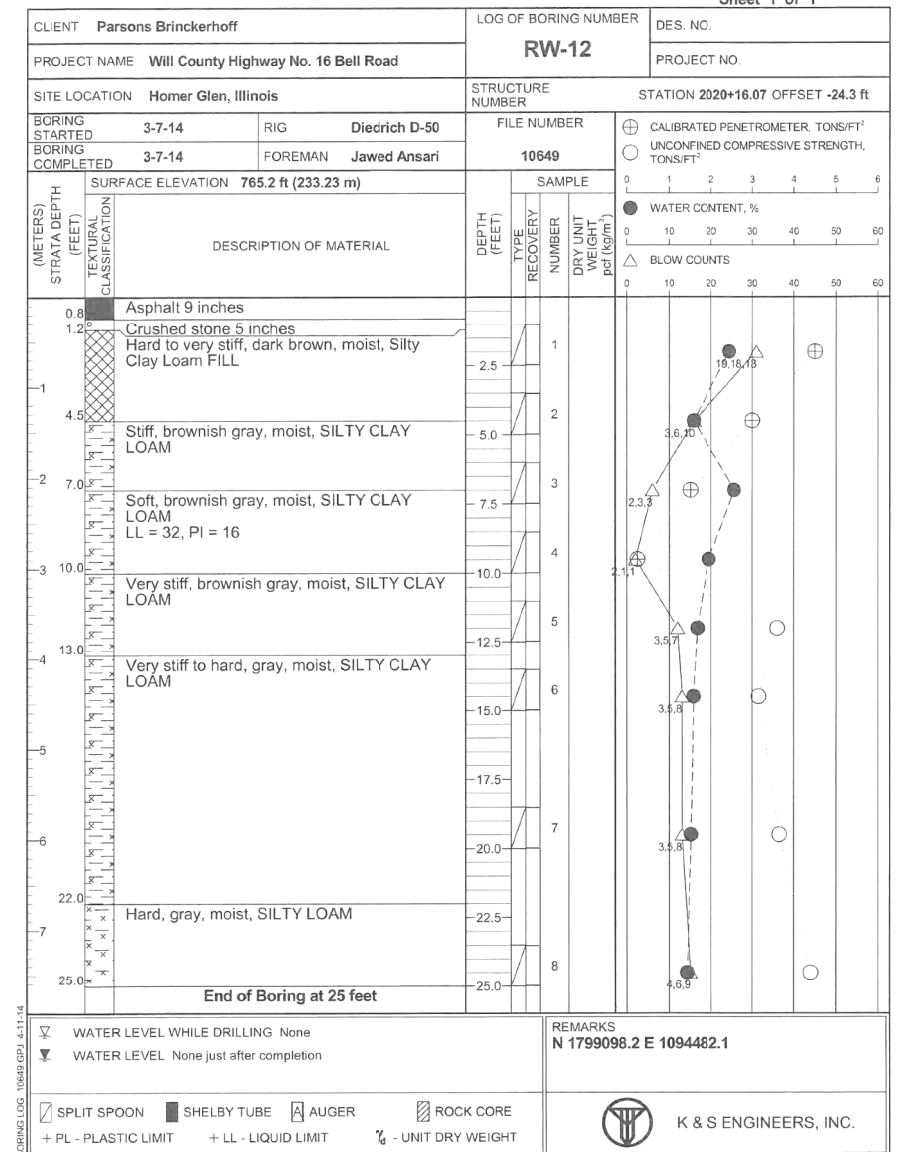


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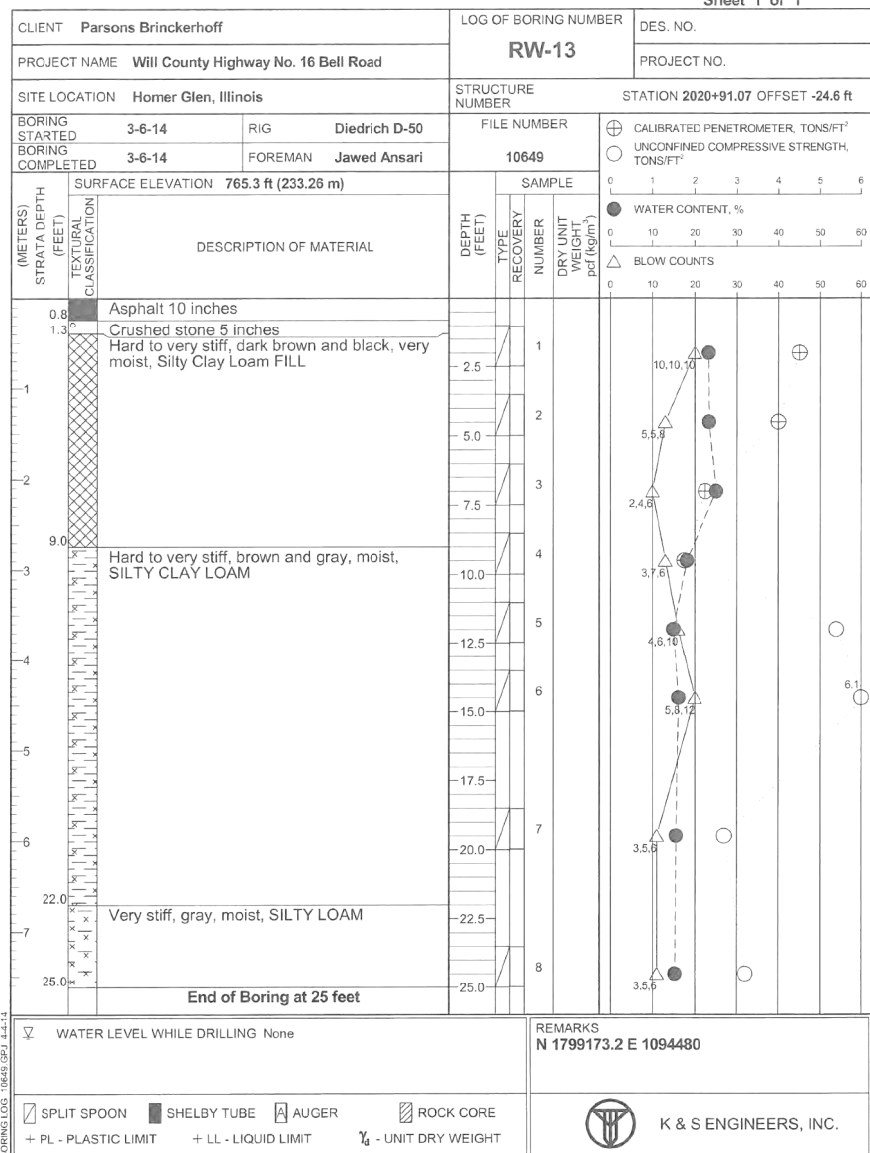


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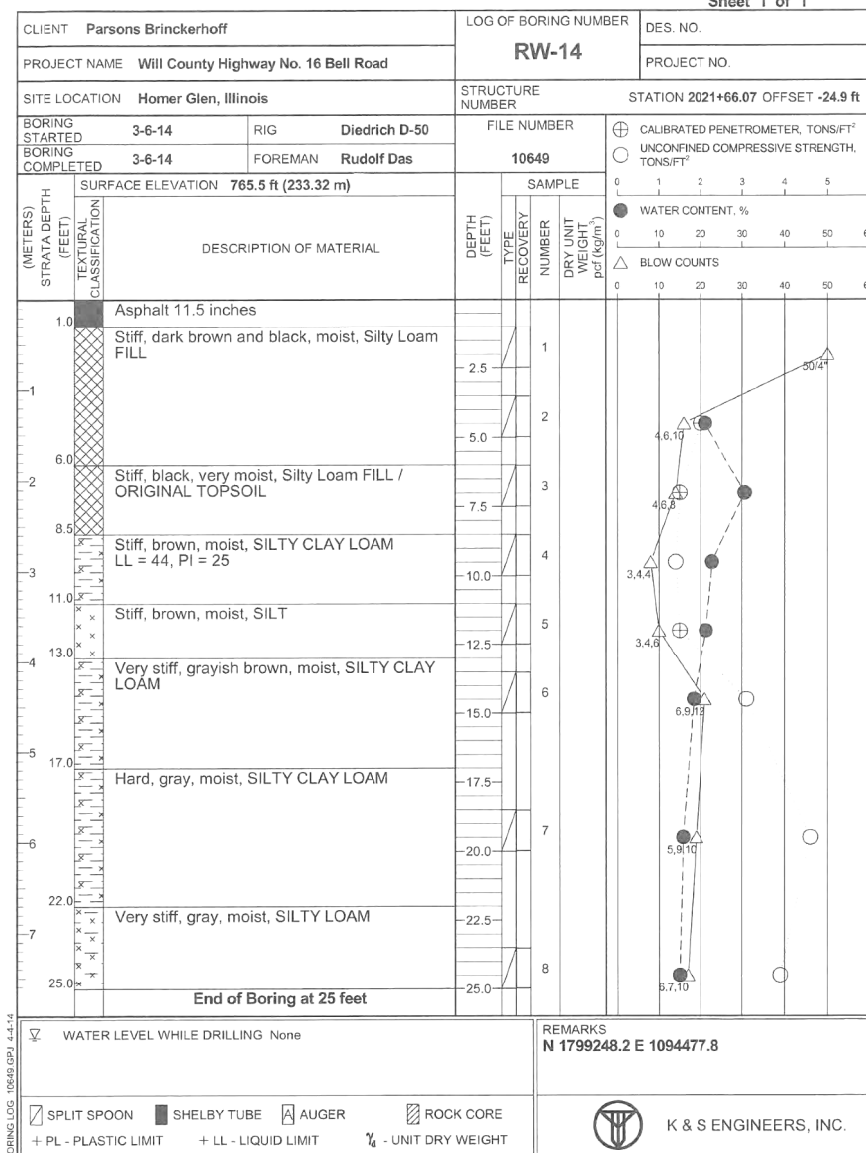


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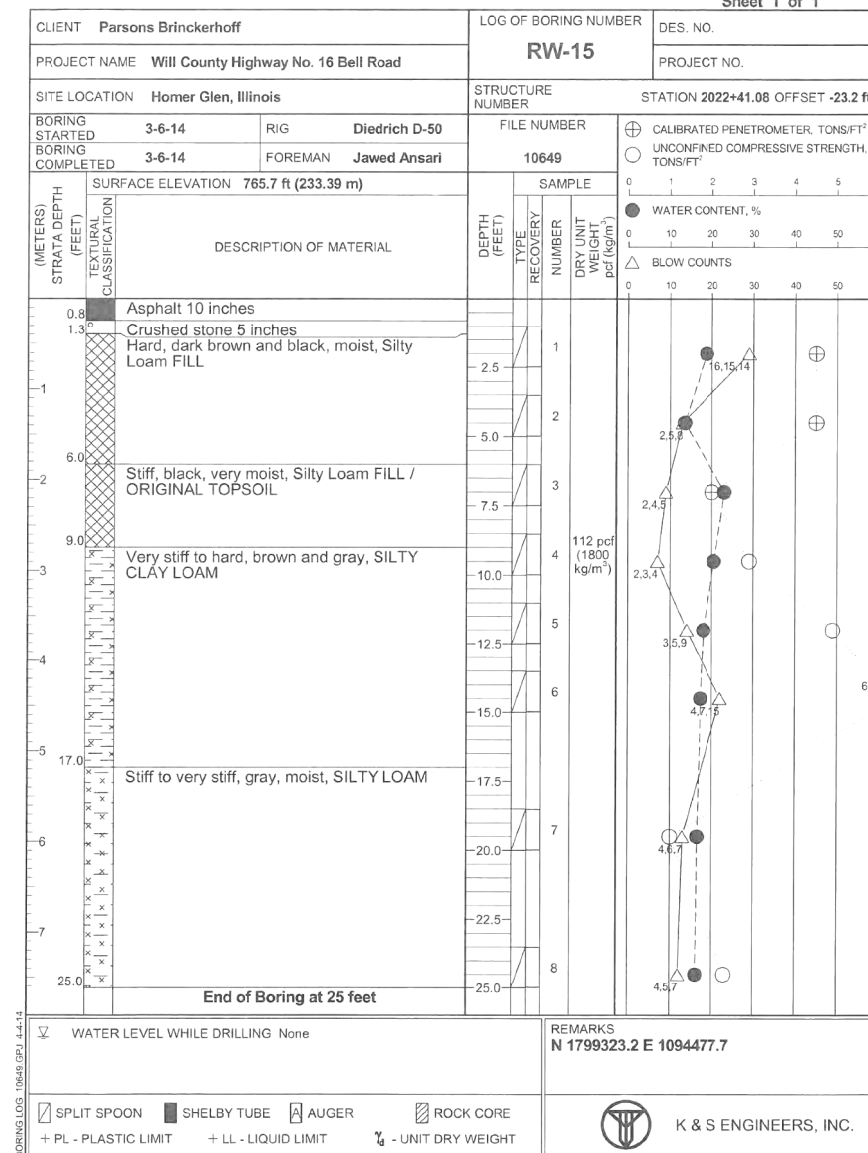


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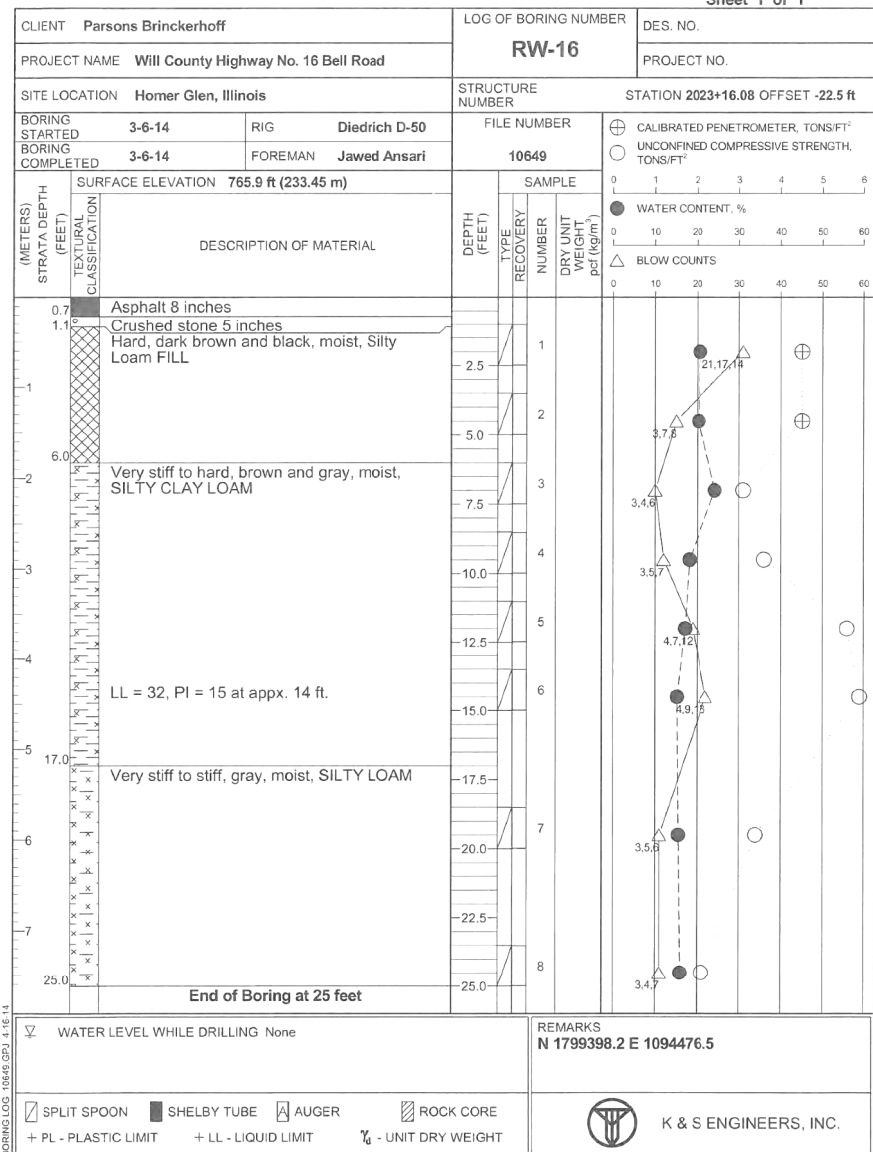


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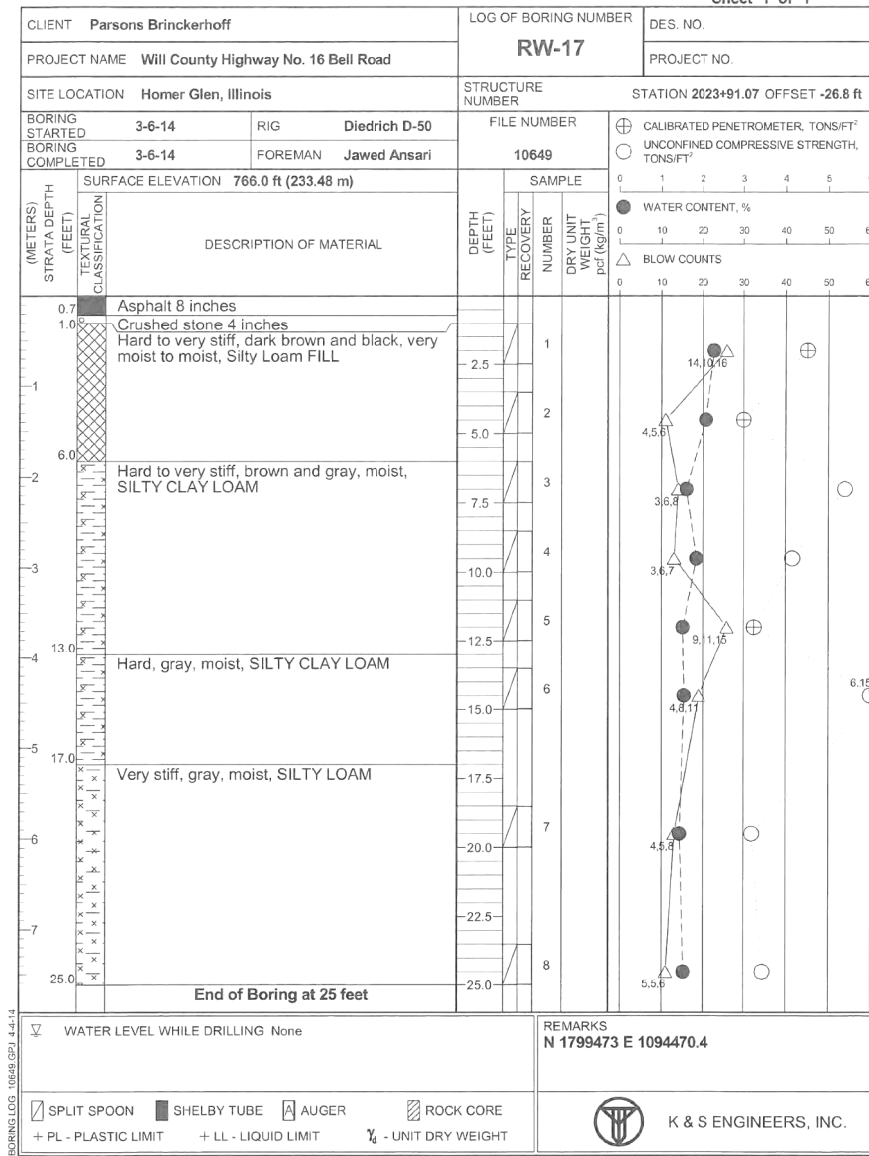
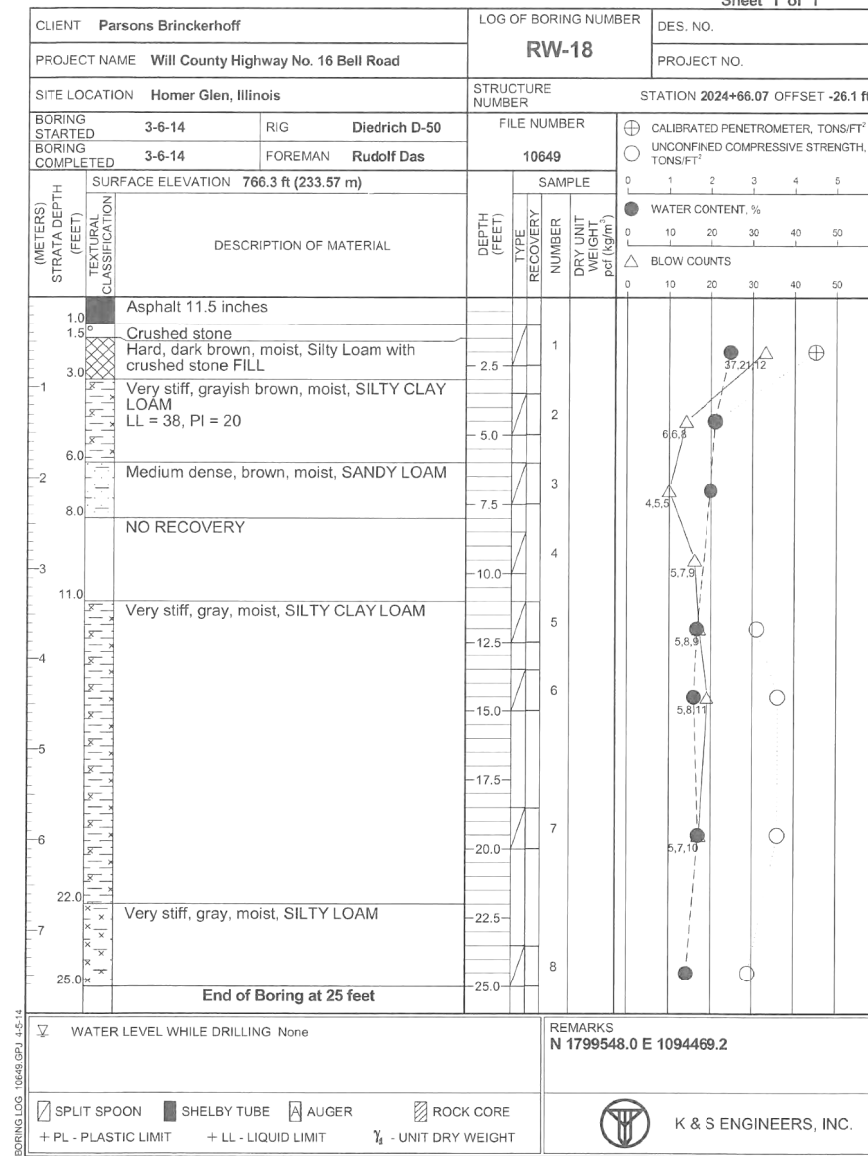


EXHIBIT
Sheet 1 of 1



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PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 9/16/2021	CHECKED - JIG	REVISED -
	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
NOISE ABATEMENT WALLS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	170
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 11 OF 16 SHEETS STA. 2010+68.00 TO STA. 2035+90.00

EXHIBIT
Sheet 1 of 1

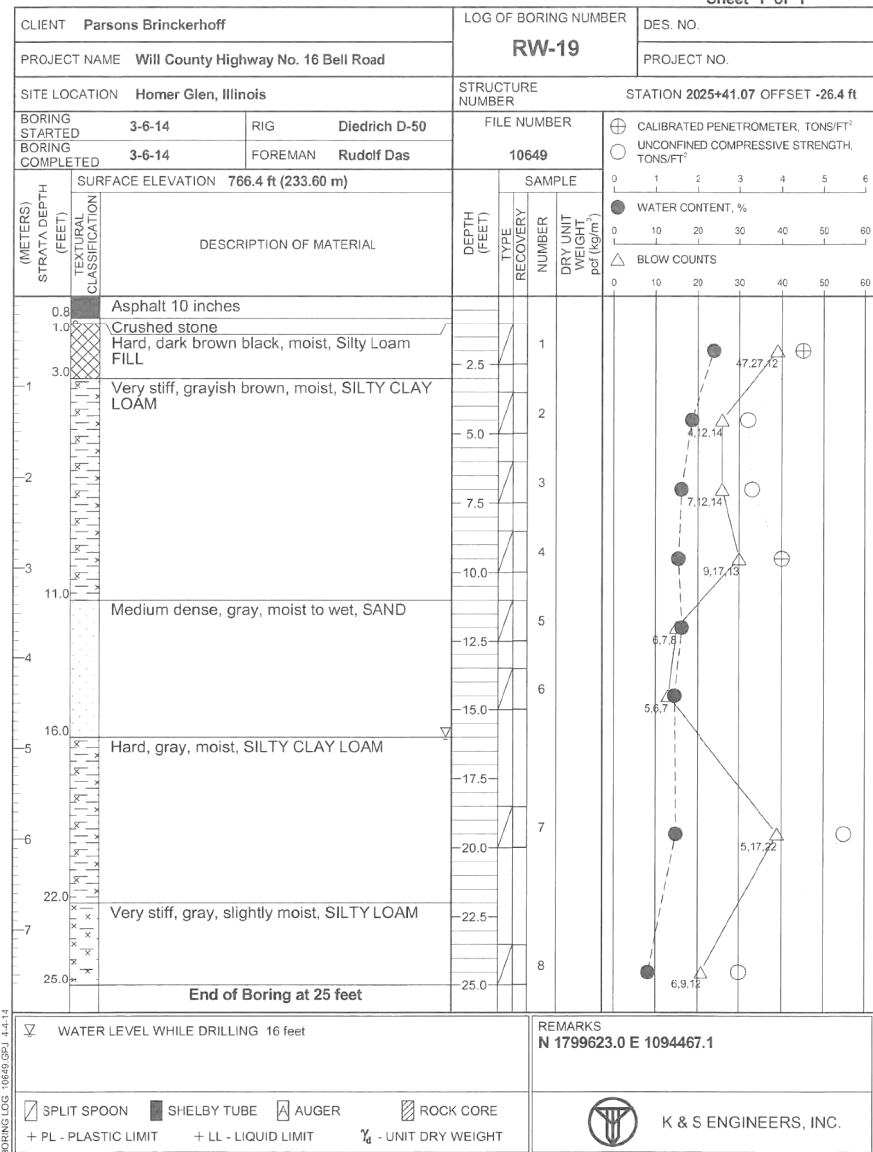


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Sheet 1 of 1

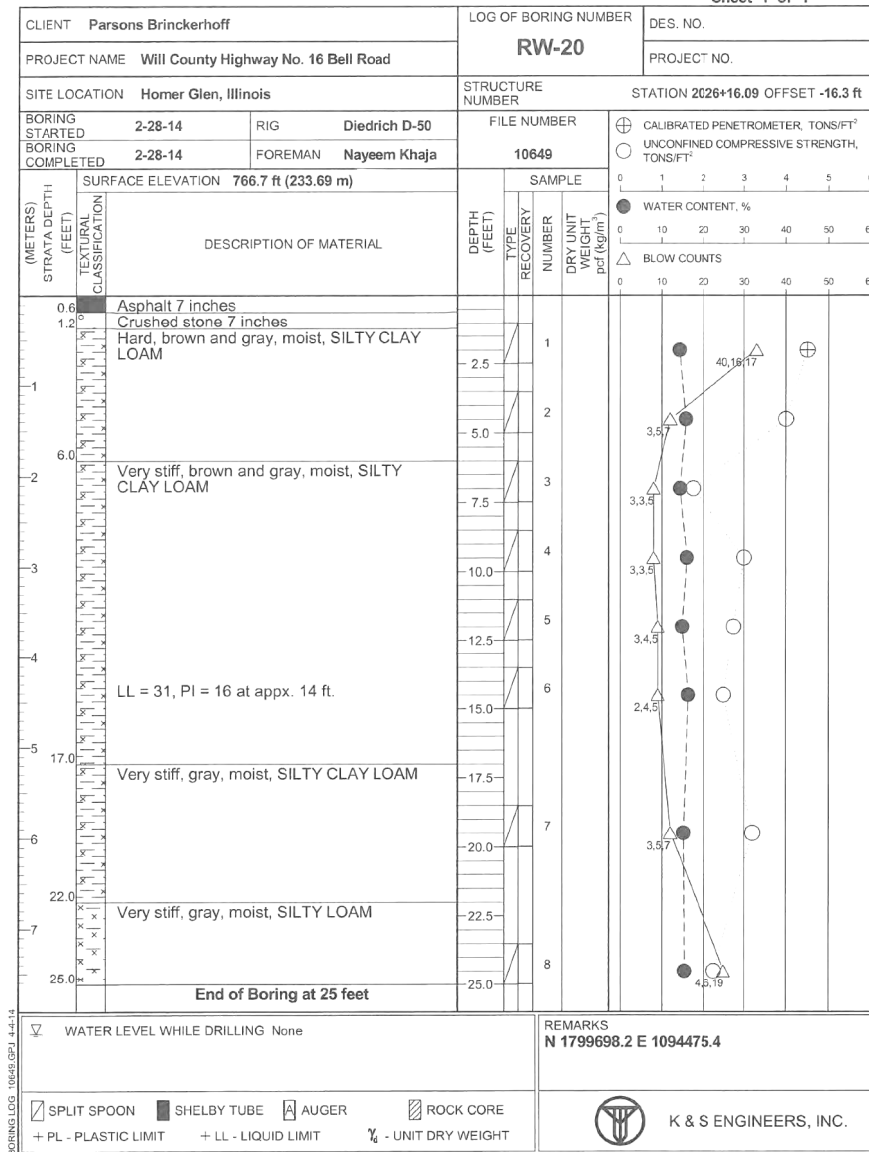


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Sheet 1 of 1

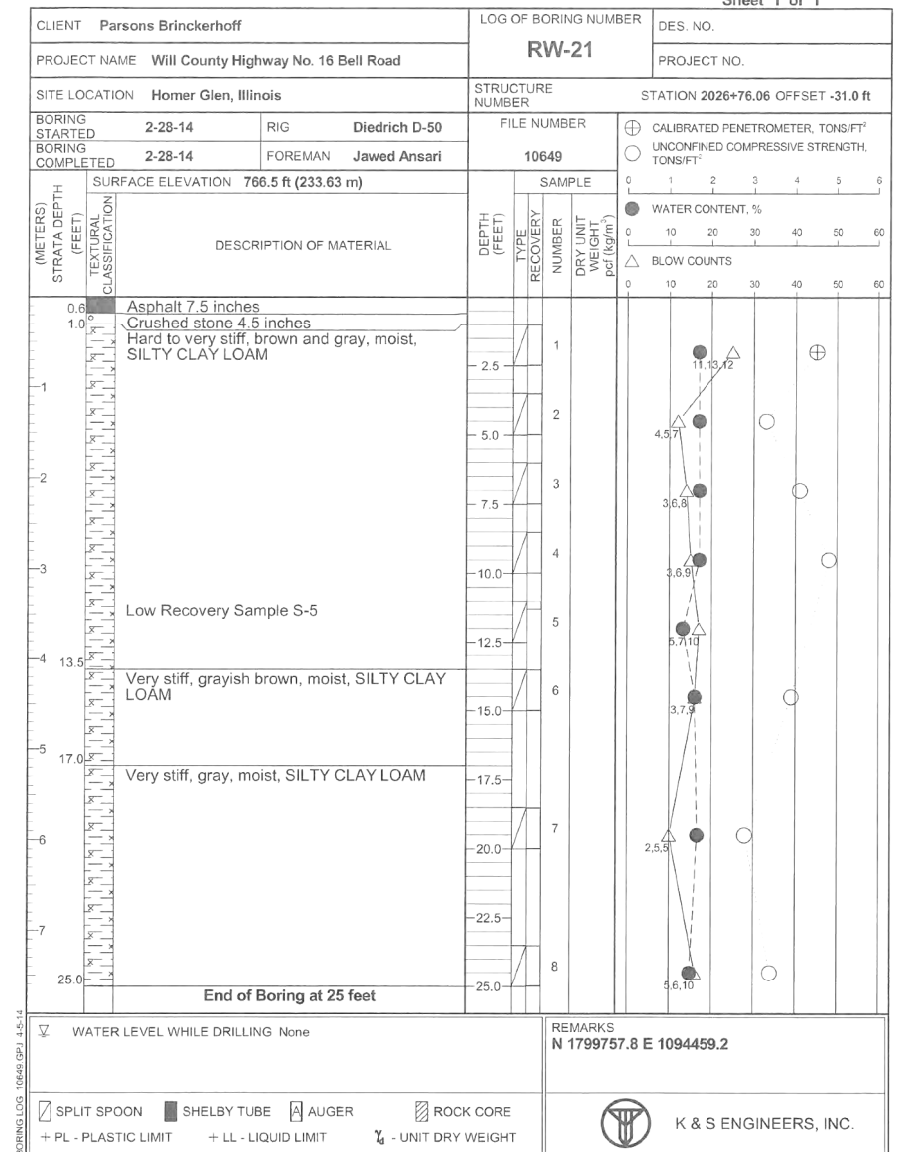


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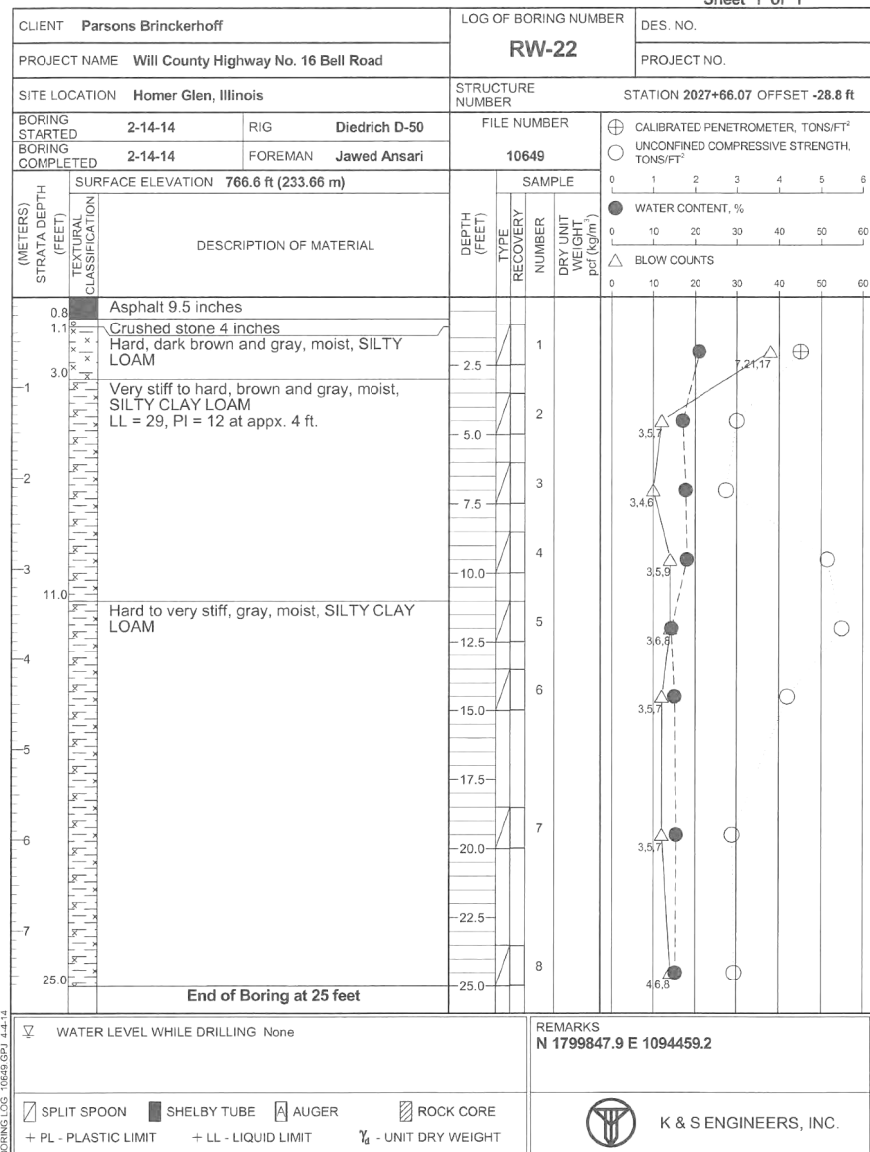


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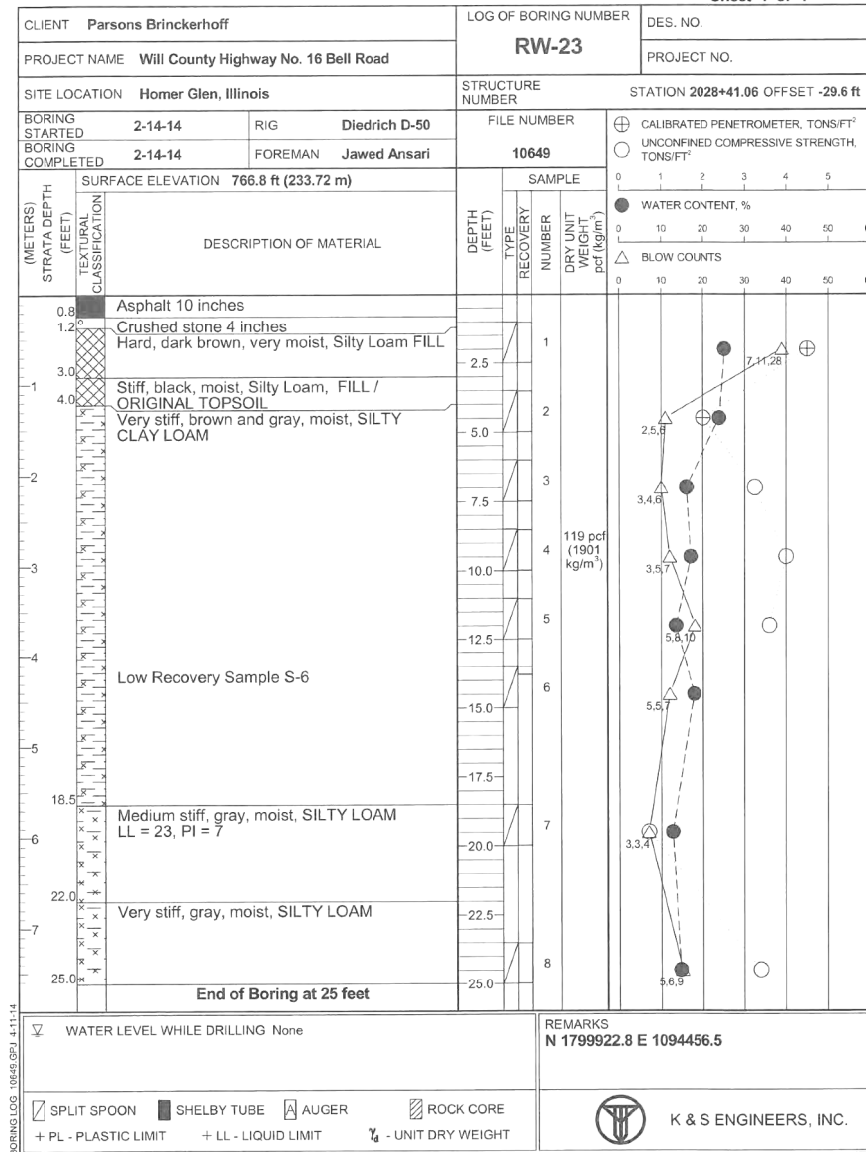


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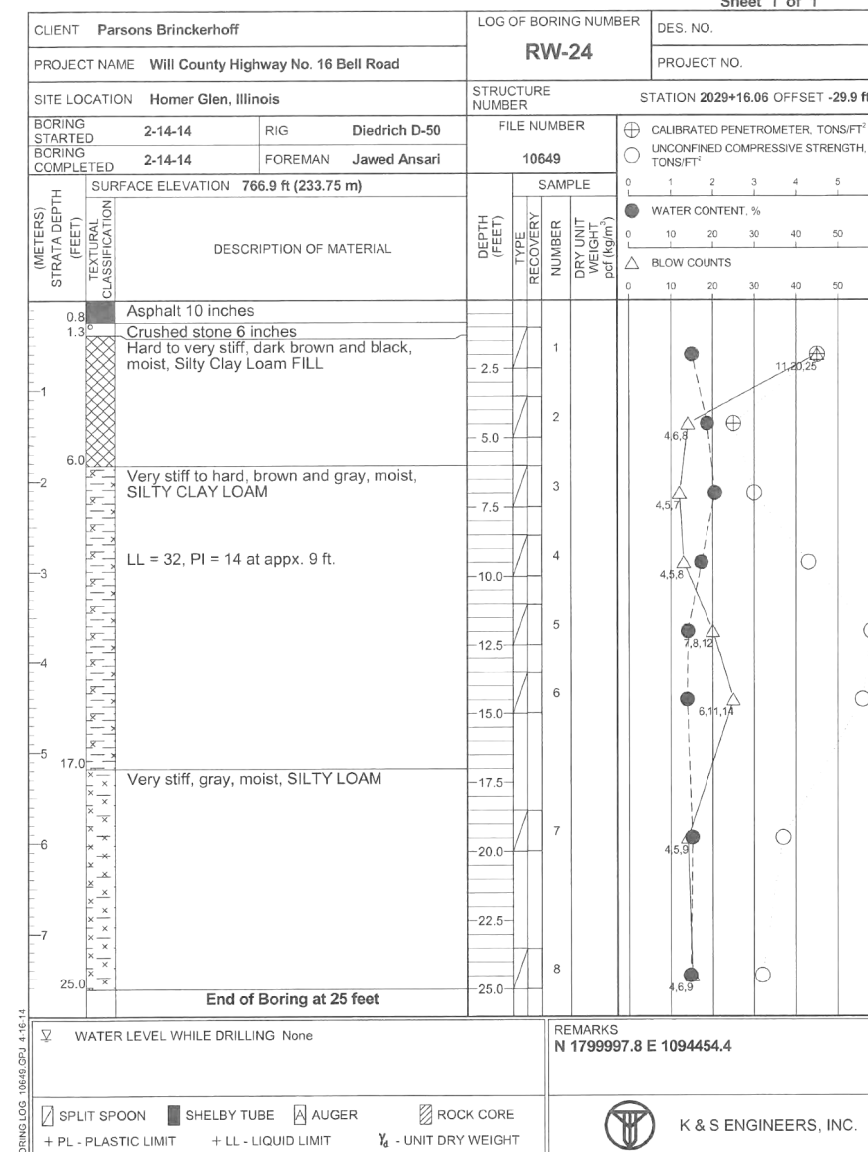


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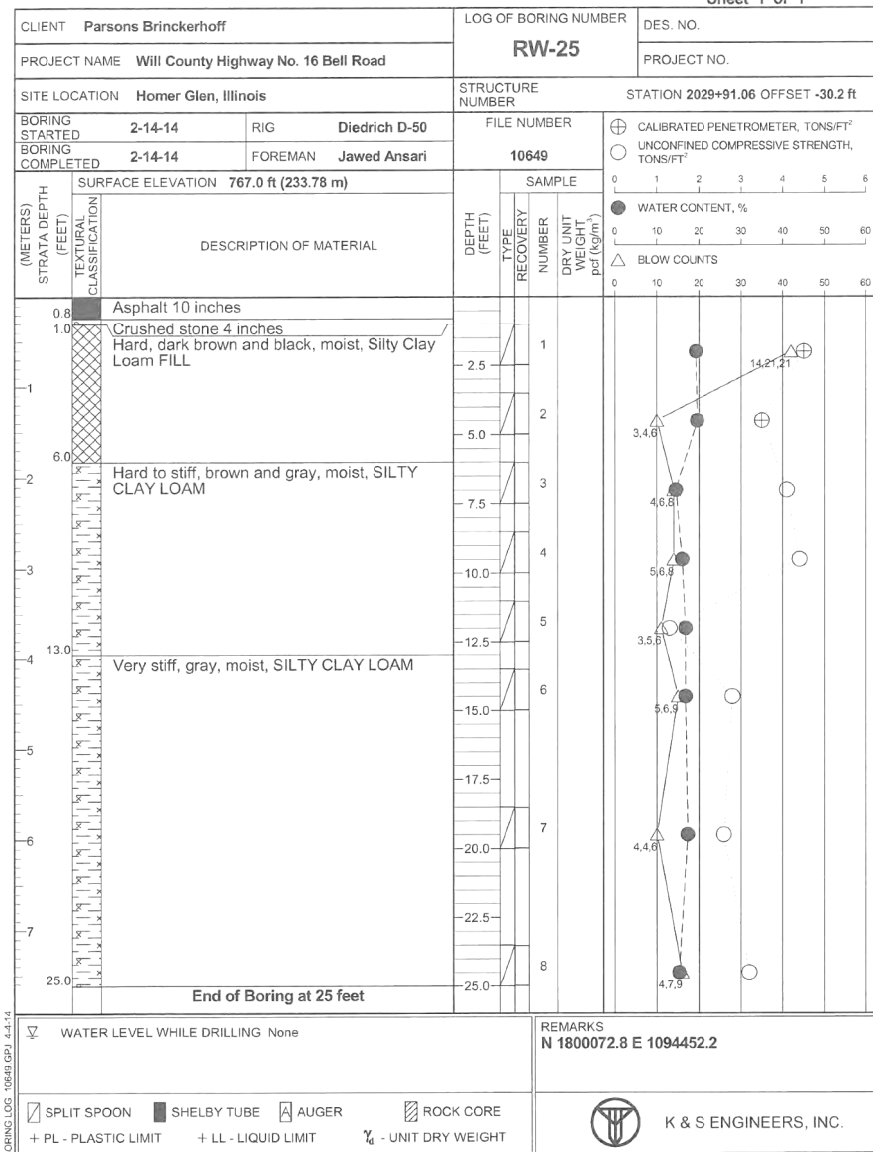


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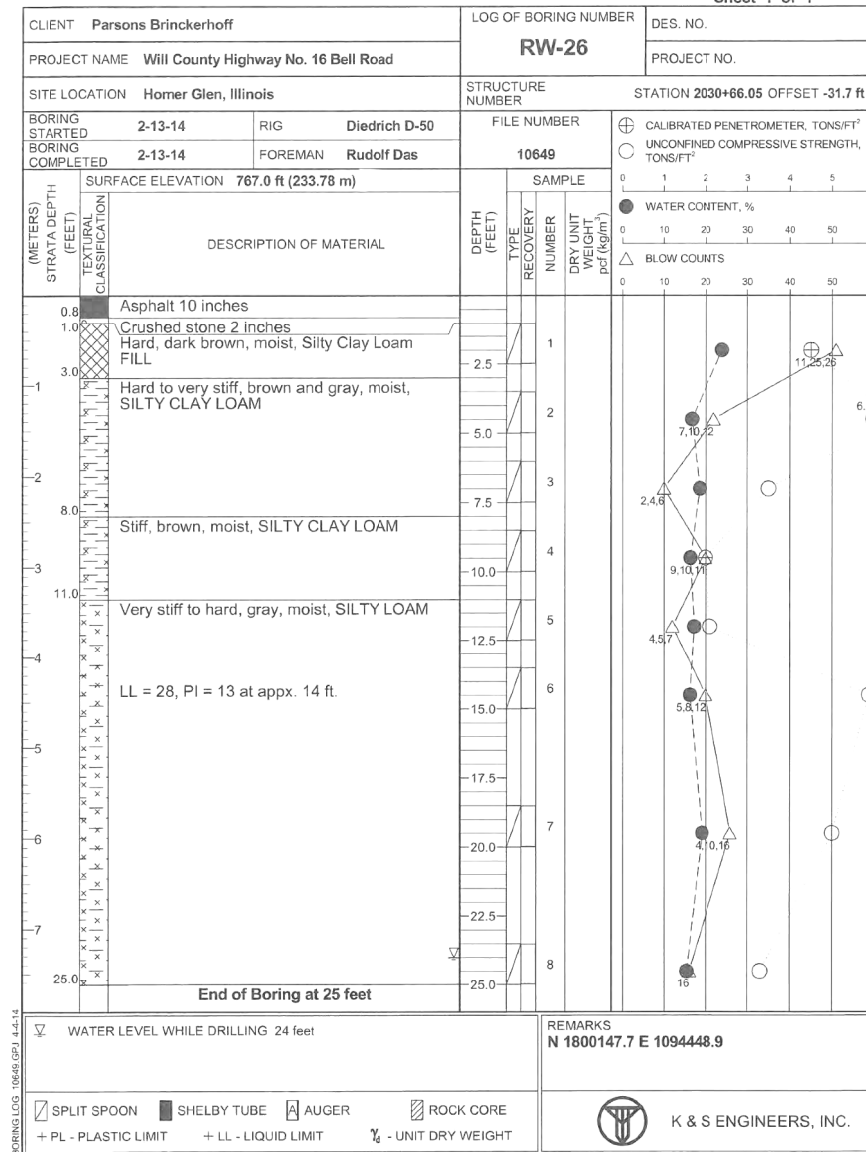
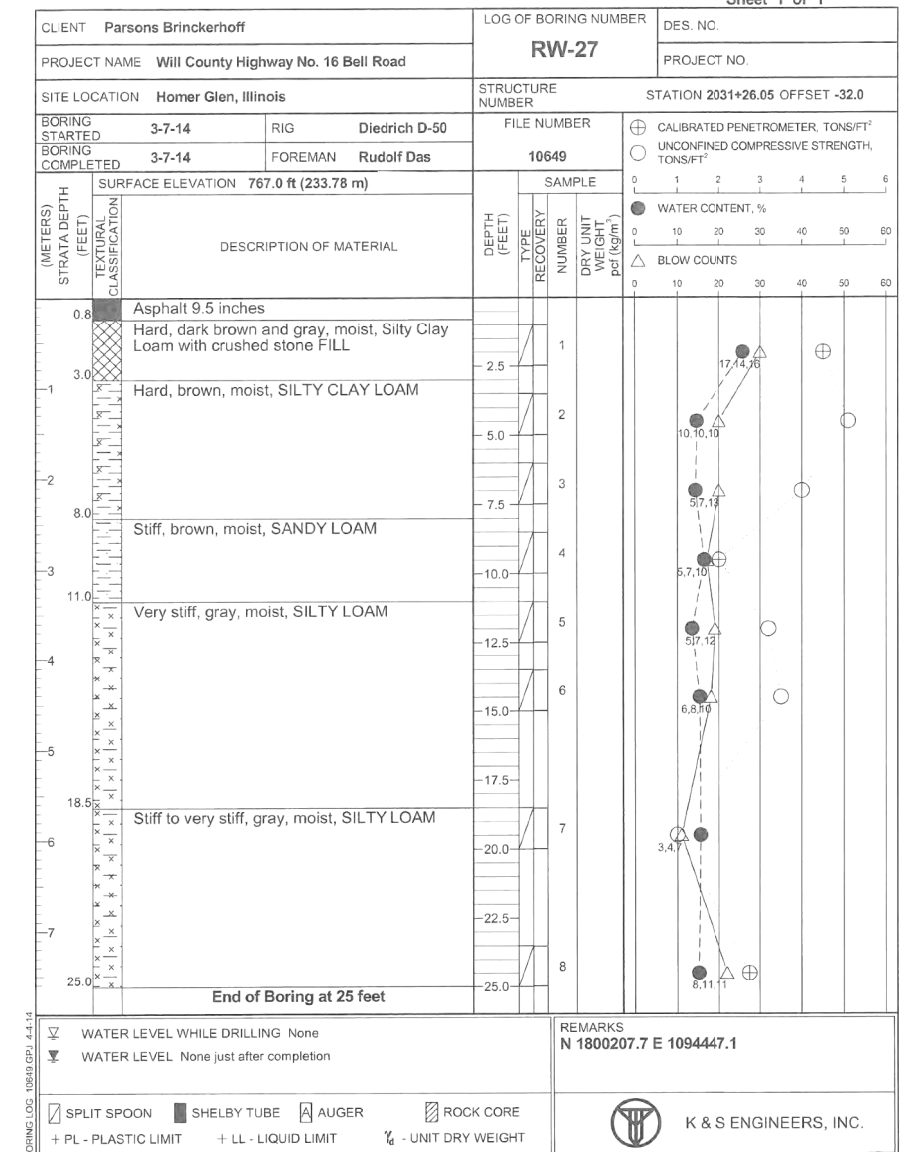


EXHIBIT
Sheet 1 of 1



\$\$\$DGN\$\$\$
\$\$SYTIME\$\$



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8100
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USER NAME = ShaikhM	DESIGNED - MS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 9/16/2021	CHECKED - JIG	REVISED -
	DATE - 10/04/2021	REVISED -

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DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 14 OF 16 SHEETS STA. 2010+68.00 TO STA. 2035+90.00

SOIL BORING LOGS
STRUCTURE NO. 016-0437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

EXHIBIT
Sheet 1 of 1

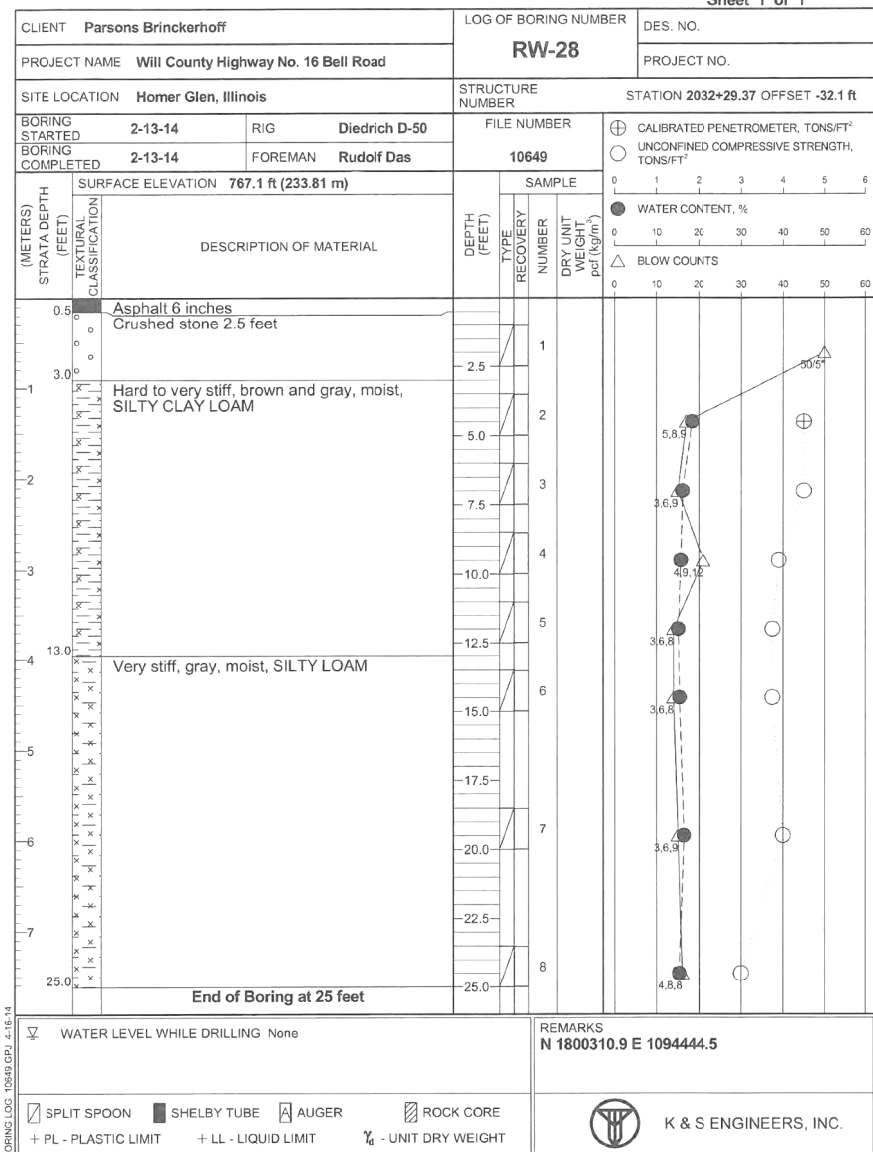


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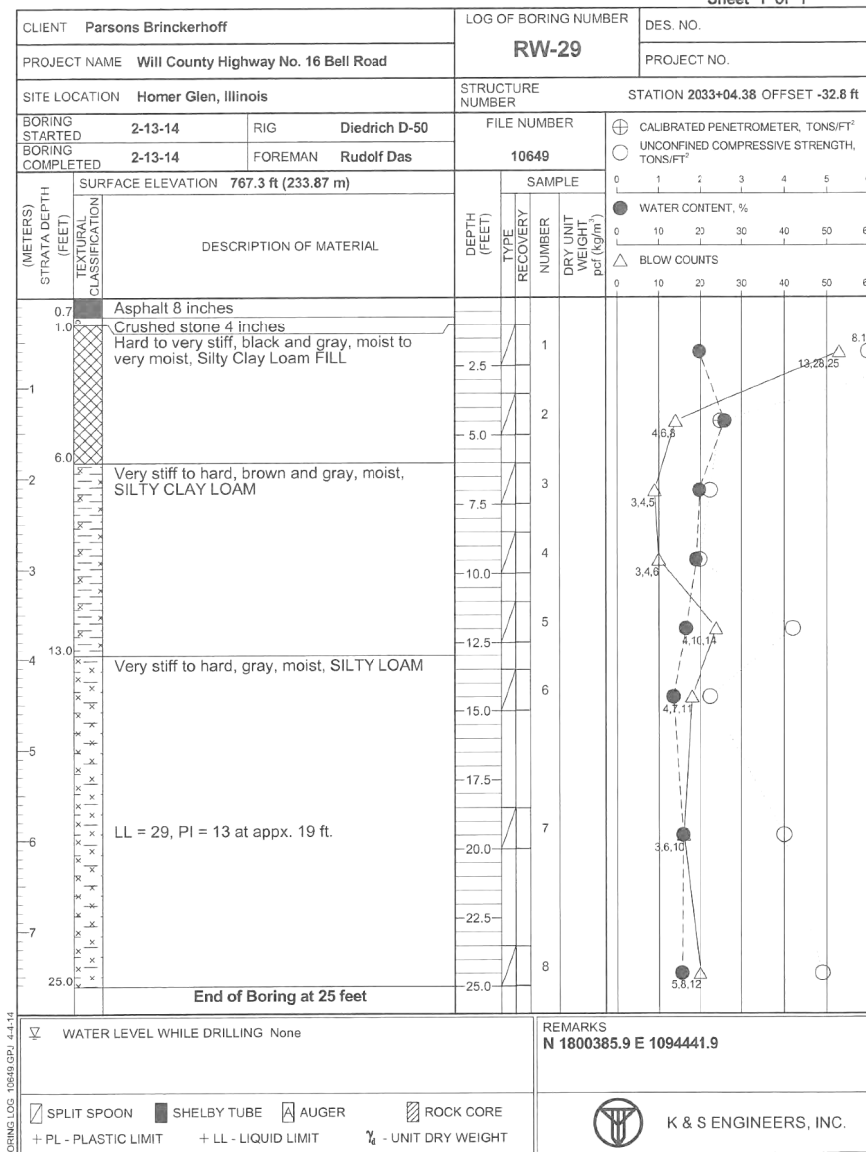
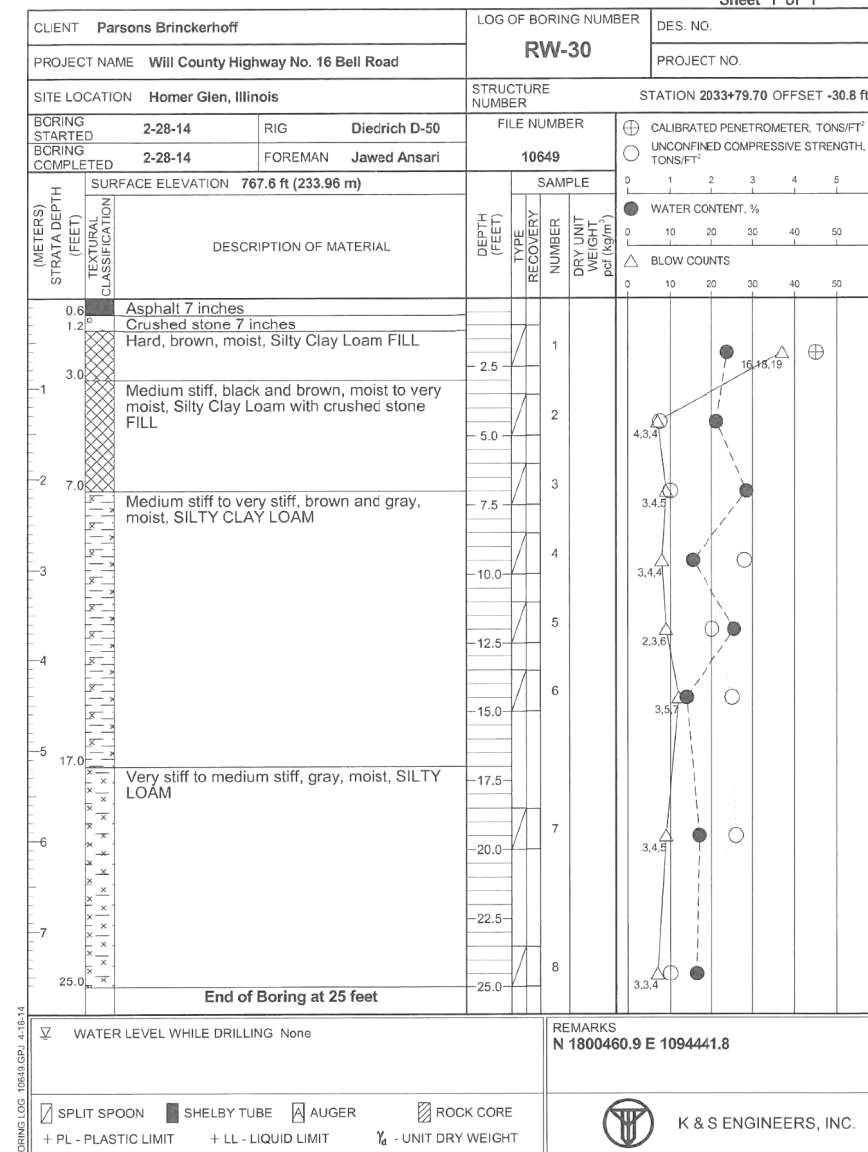


EXHIBIT
Sheet 1 of 1



\$\$\$ DGN \$\$\$
\$\$\$ SYTIME \$\$\$



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME	= ShaikhM	DESIGNED	- MS	REVISED	-
DRAWN	- DCP	REVISIONS	-	REVISIONS	-
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PLOT DATE	= 9/16/2021	DATE	- 10/04/2021	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
NOISE ABATEMENT WALLS

SCALE: SHEET NO. 15 OF 16 SHEETS STA. 2010+68.00 TO STA. 2035+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

EXHIBIT
Sheet 1 of 1

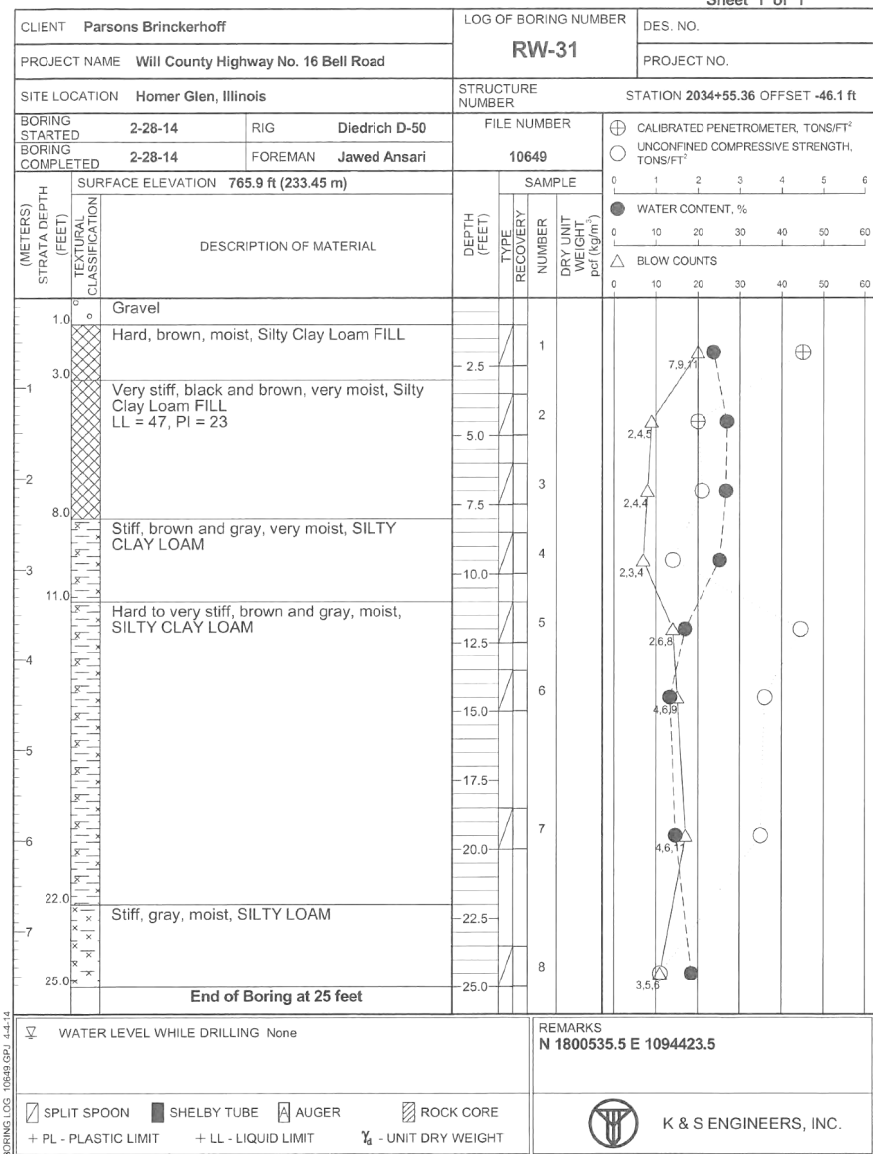


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Sheet 1 of 1

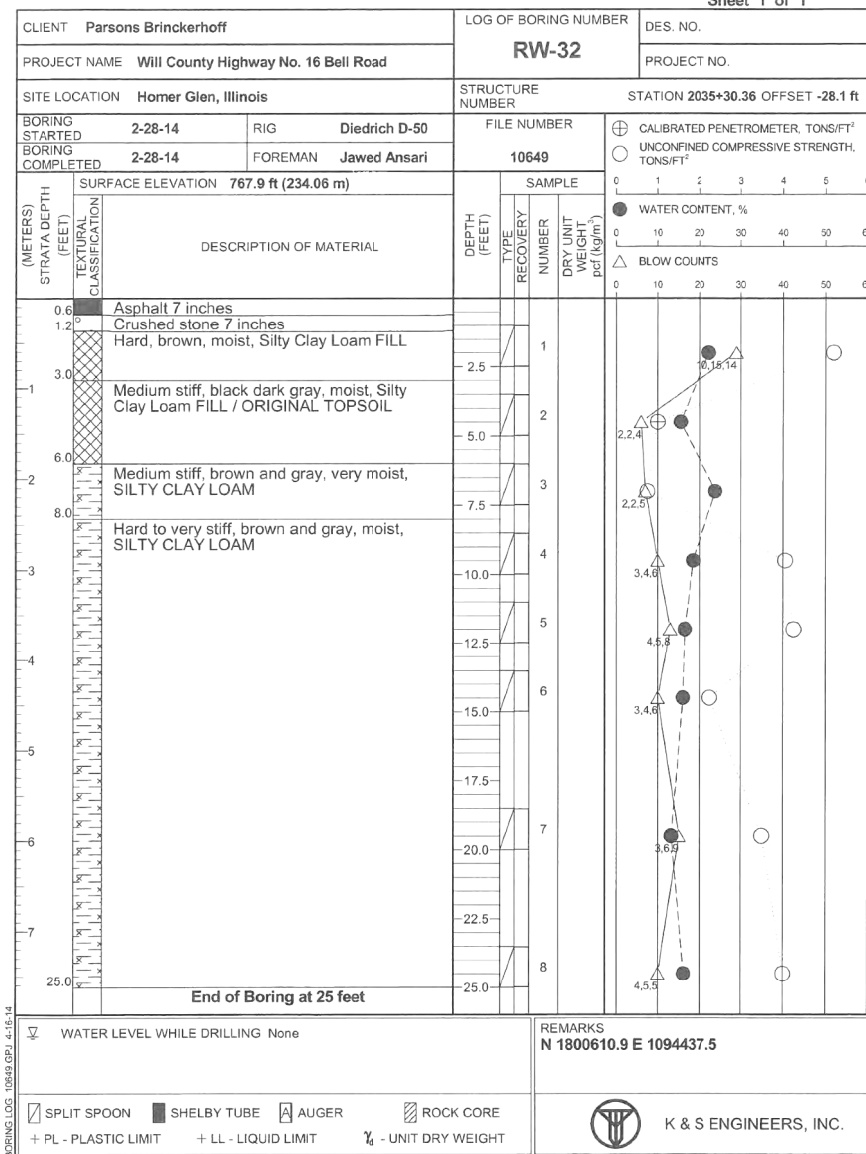
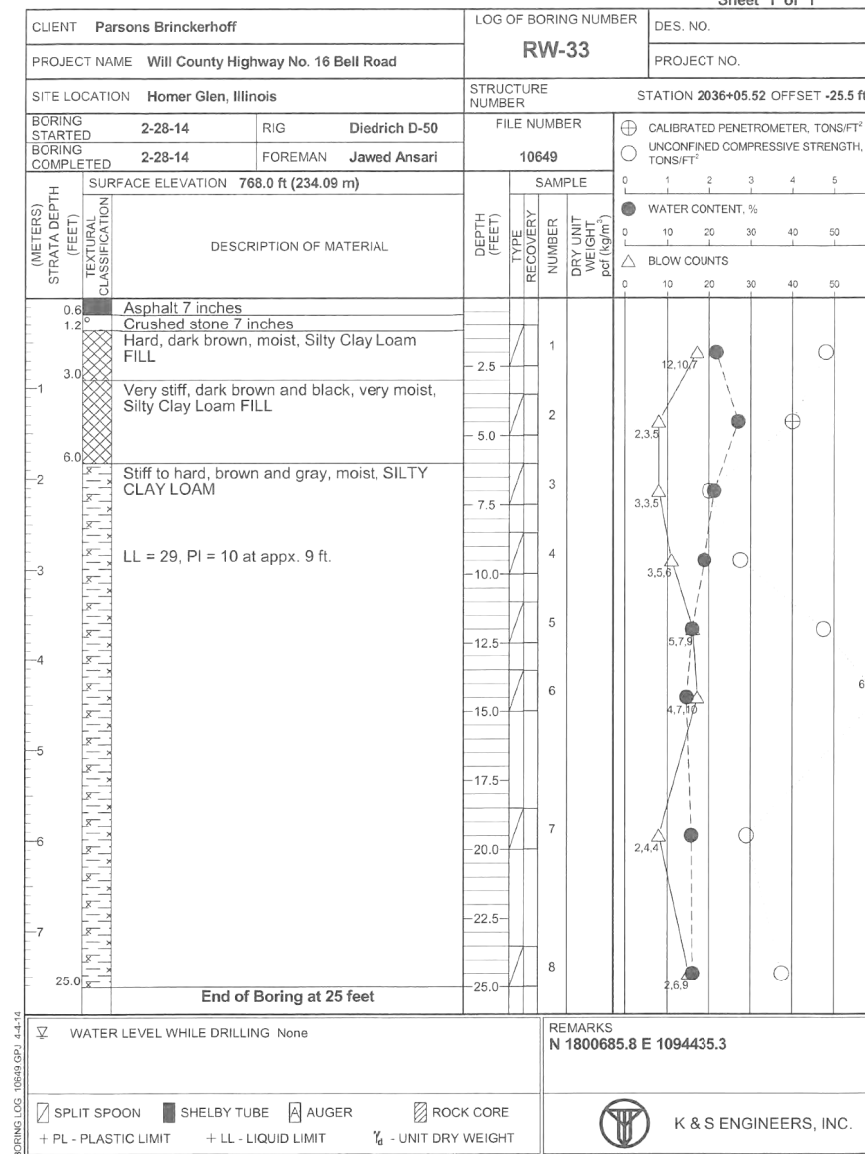


EXHIBIT
Sheet 1 of 1



\$\$\$DGN\$\$\$
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
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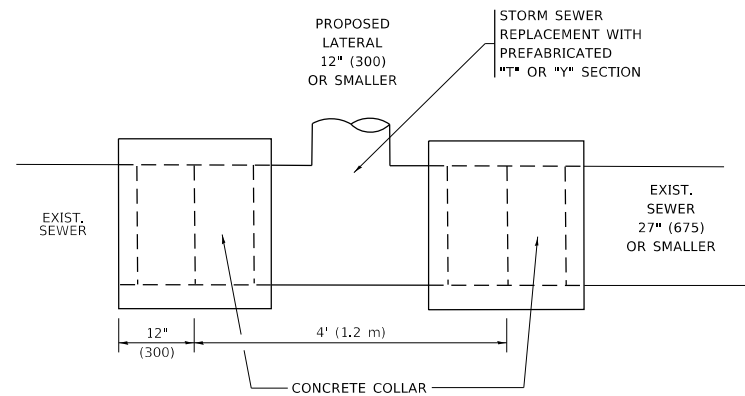
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
NOISE ABATEMENT WALLS

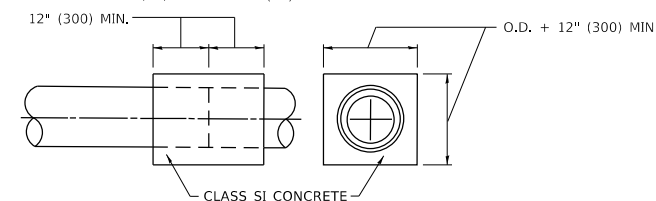
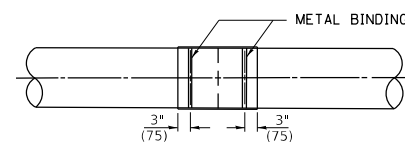
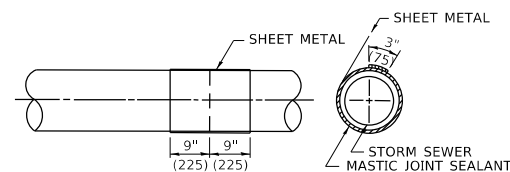
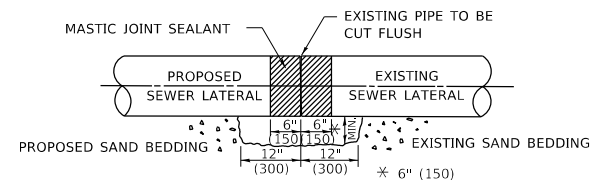
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	175
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	



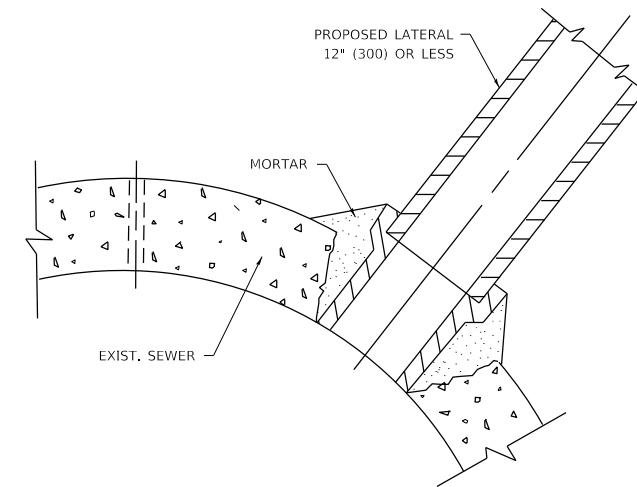
DETAIL "A"

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



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

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

CONSTRUCTION SEQUENCE

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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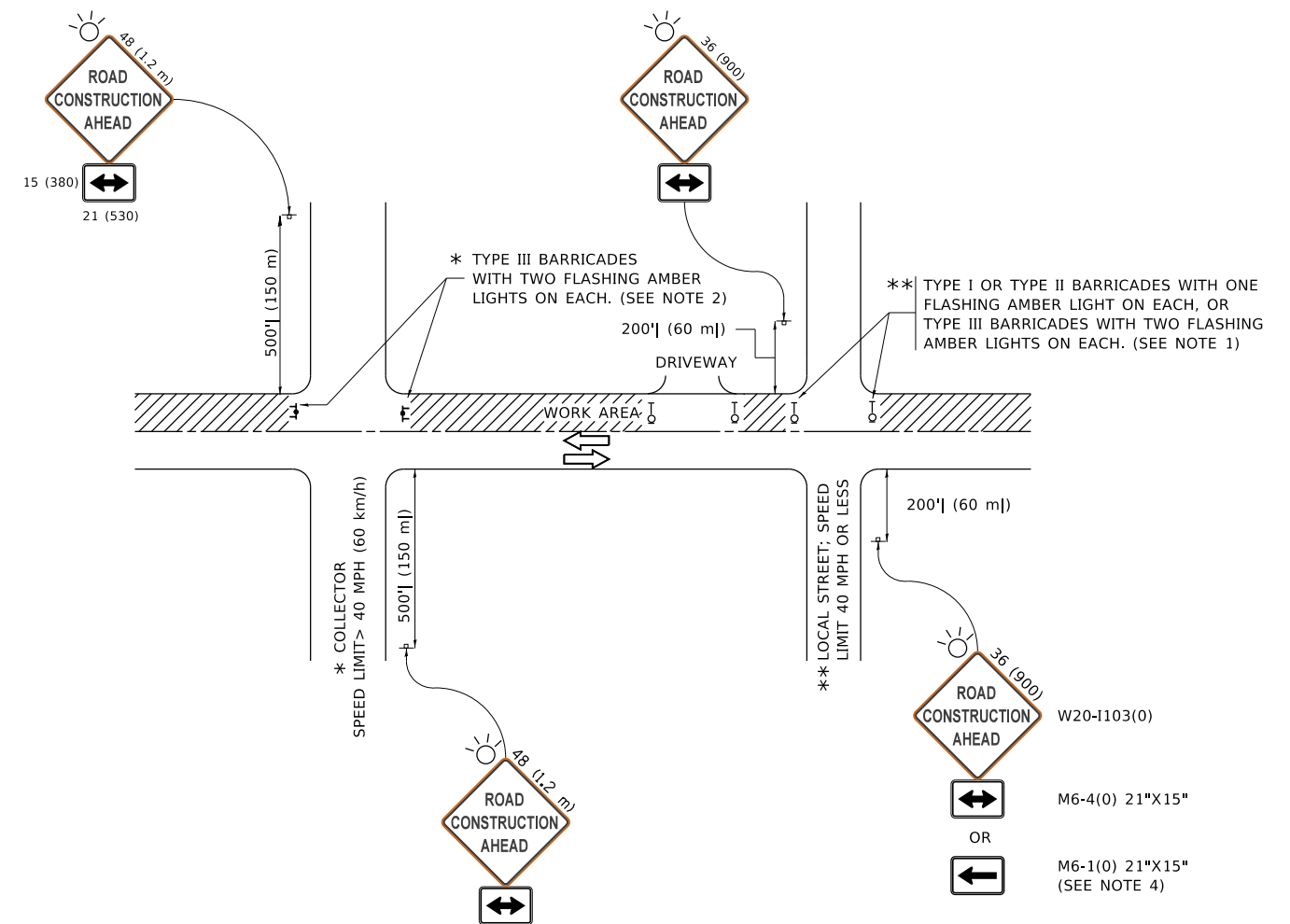
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	DRAWN -	REVISED - R. SHAH 10-25-94
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PLOT DATE = 2/2/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	177
BD500-01 (BD-7)			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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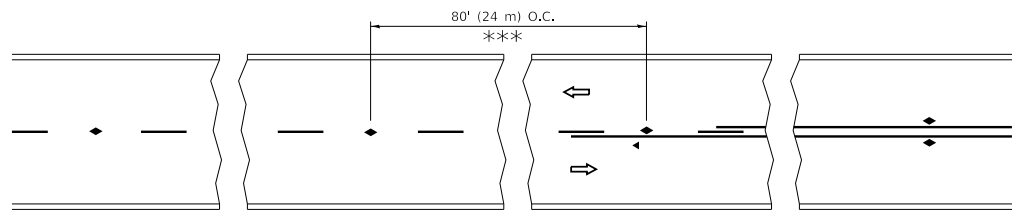
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PLOT DATE = 3/4/2019	DATE - 10/04/2021	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

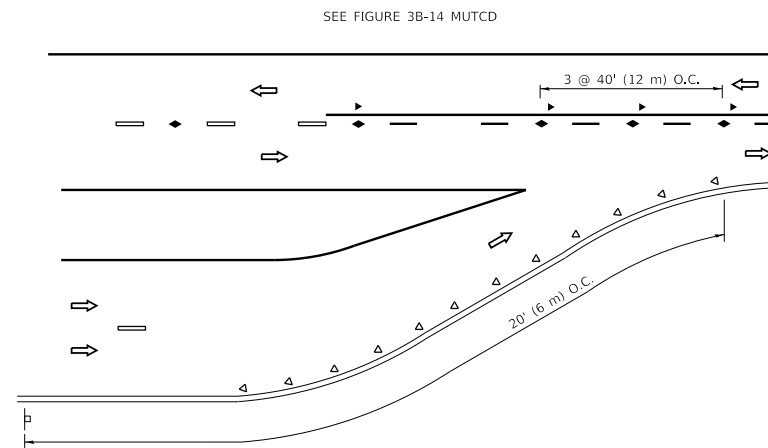
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61A96	
ILLINOIS FED. AID PROJECT				

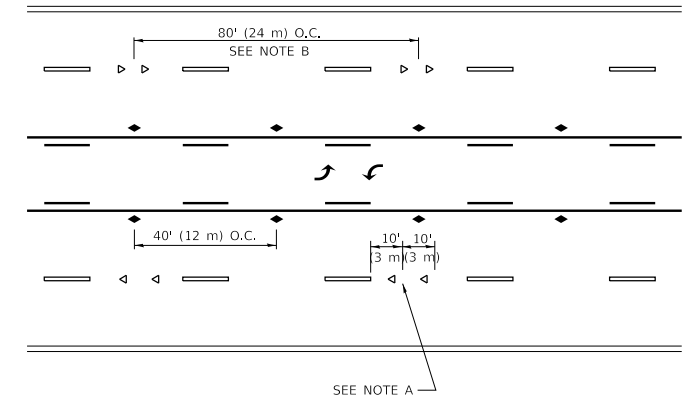


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

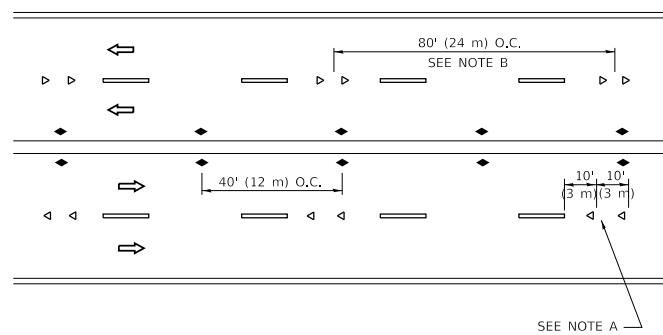
TWO-LANE/TWO-WAY



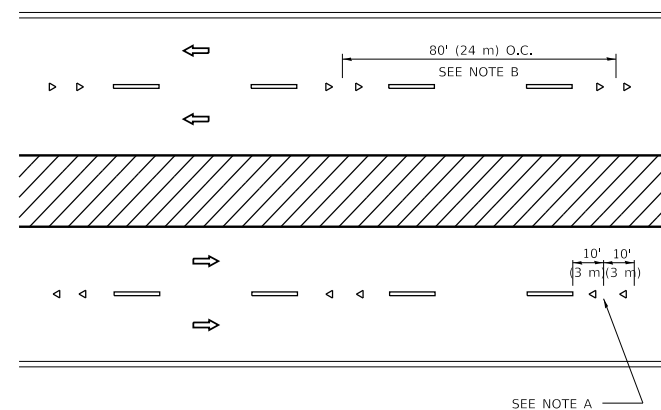
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

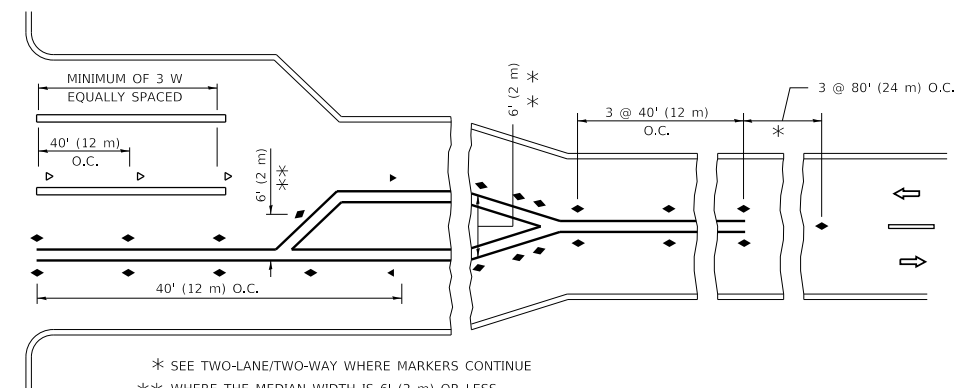
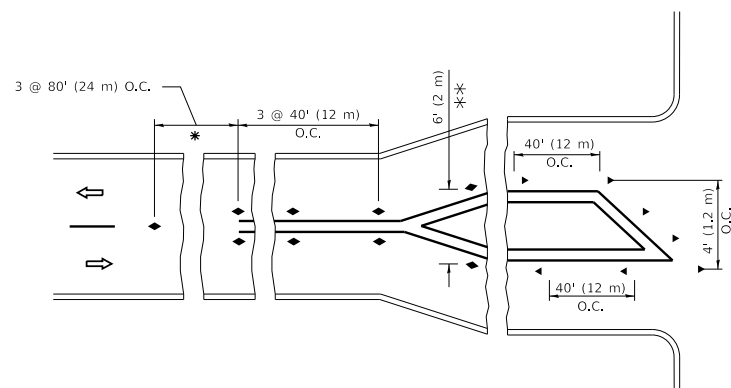
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 *** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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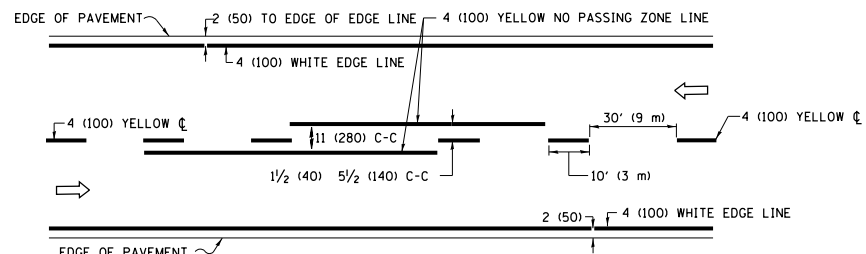
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

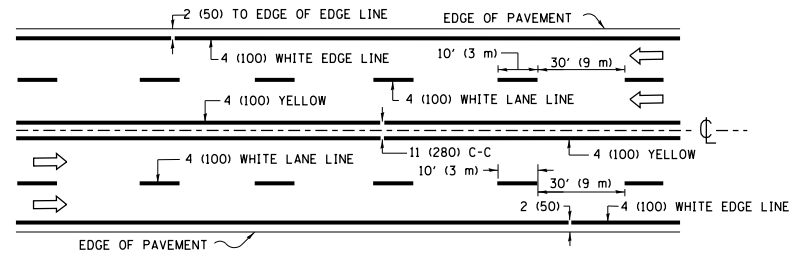
**TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

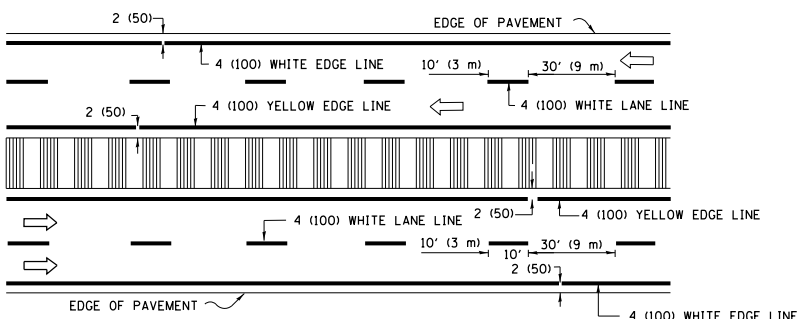
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TC-11			CONTRACT NO. 61A96	
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

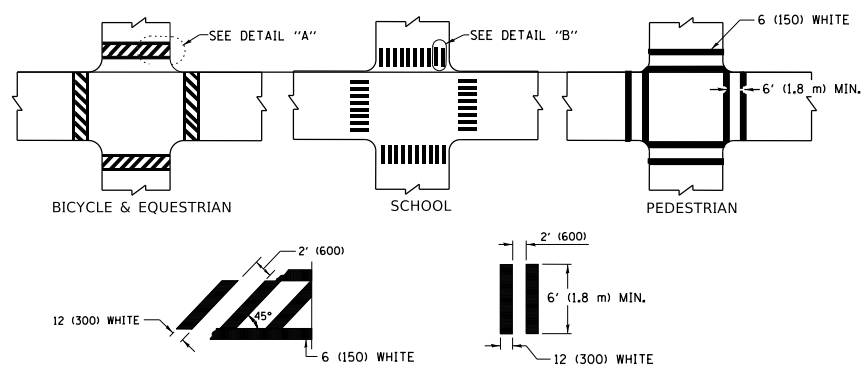


MULTI-LANE UNDIVIDED



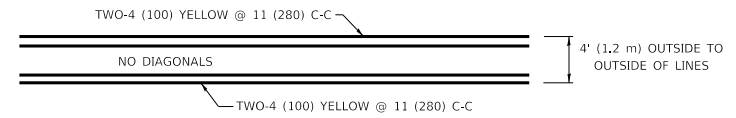
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

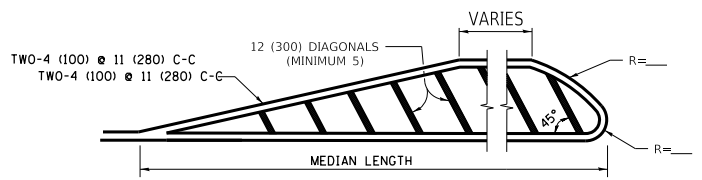


TYPICAL CROSSWALK MARKING

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

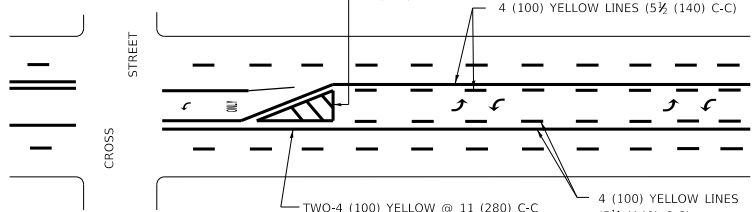


4' (1.2 m) WIDE MEDIANS ONLY

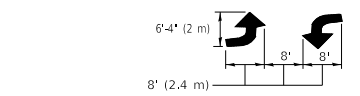


MEDIANS OVER 4' (1.2 m) WIDE

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



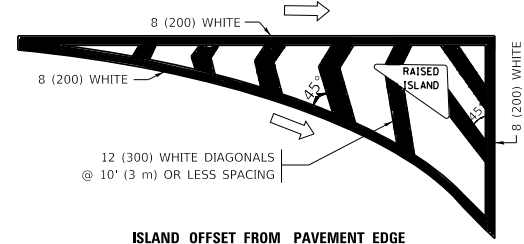
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



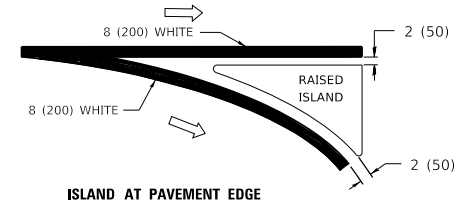
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

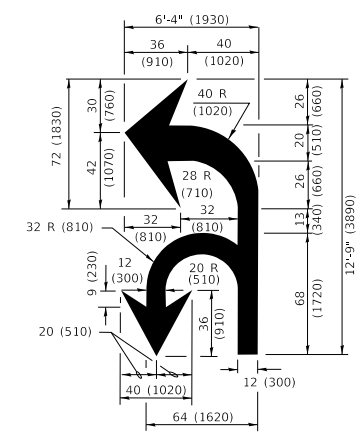


ISLAND OFFSET FROM PAVEMENT EDGE

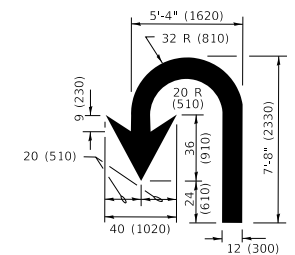


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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PLOT DATE = 3/4/2019	DATE - 10/04/2021	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		0356	99-00147-07-FP	WILL	229	180
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT	

TC-13		CONTRACT NO. 61A96	
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

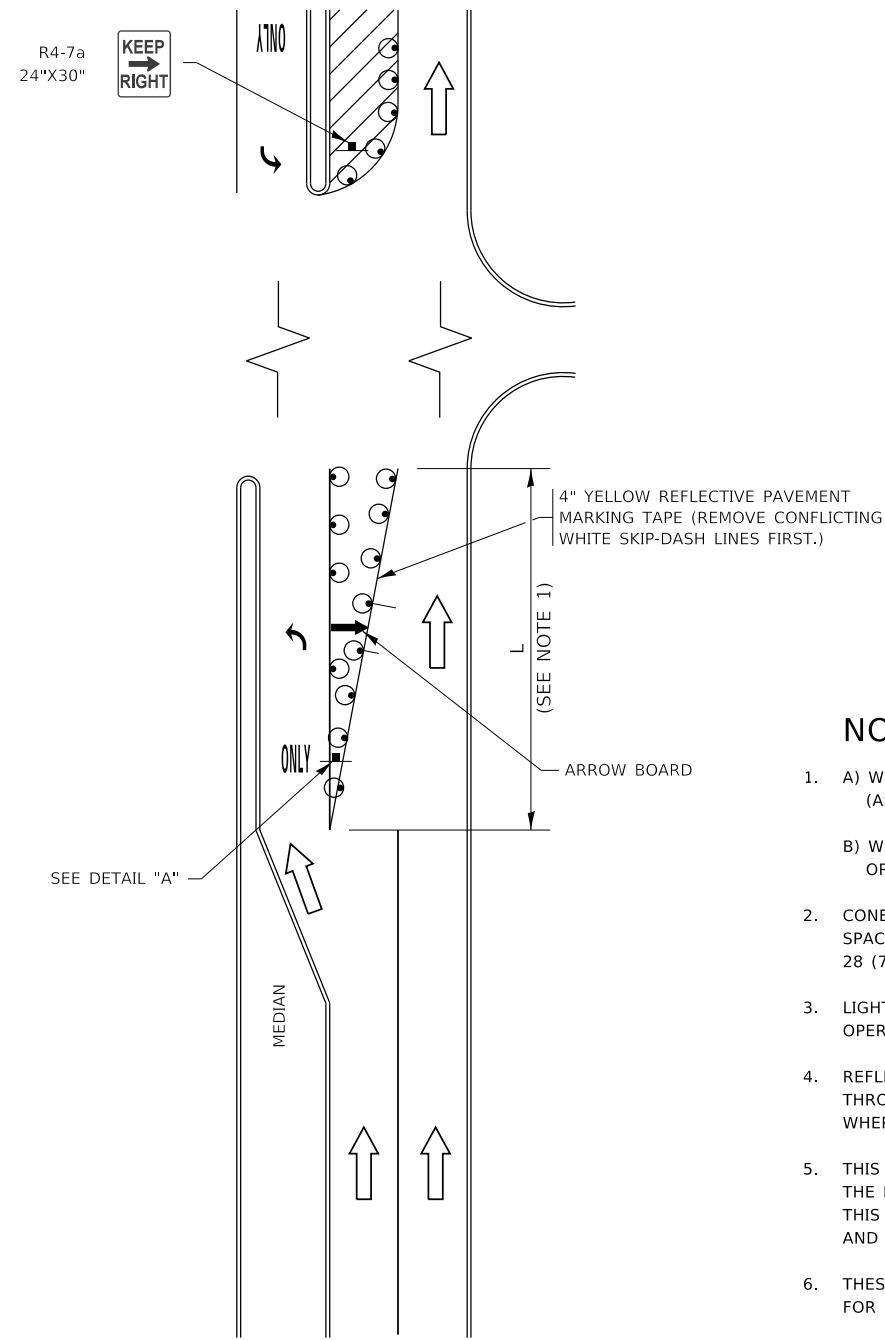
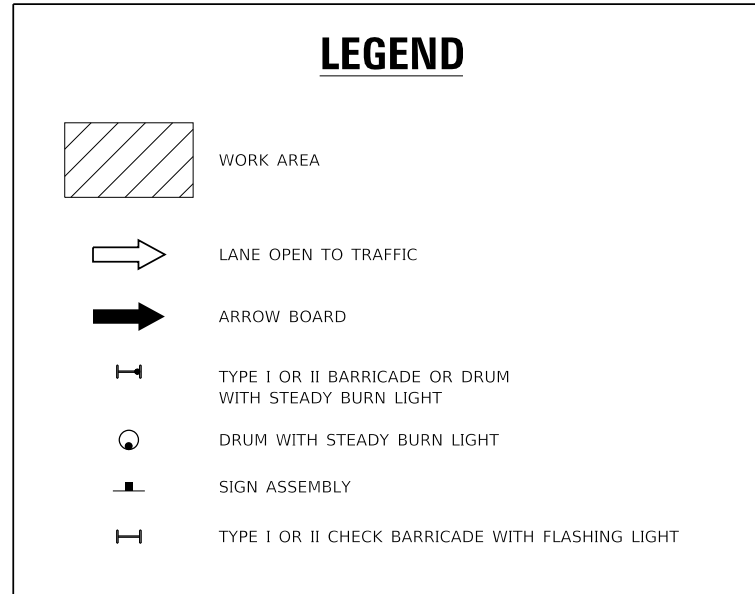


FIGURE 1



NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

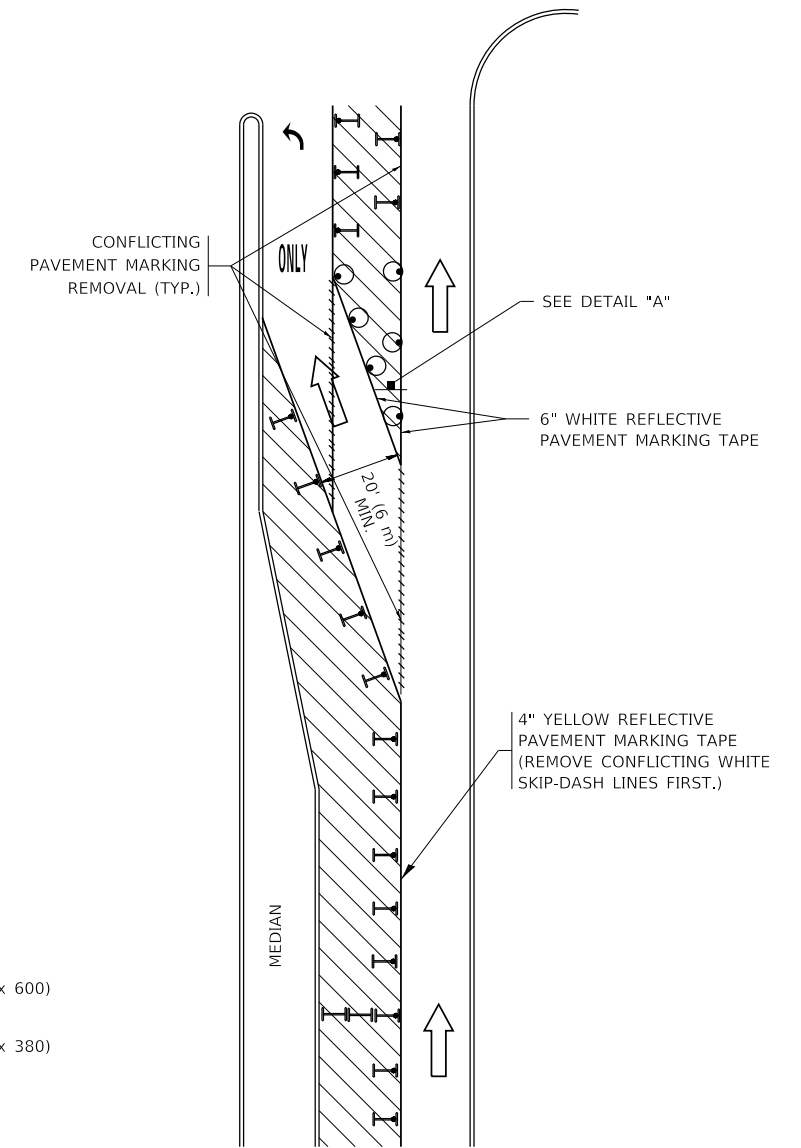
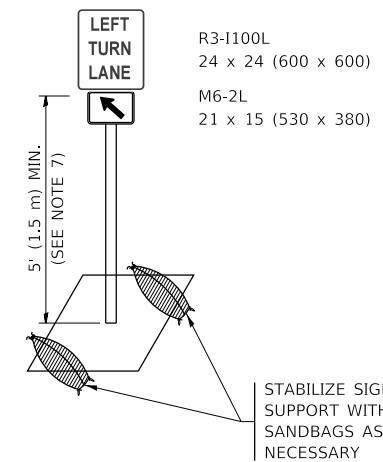


FIGURE 2



DETAIL A

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

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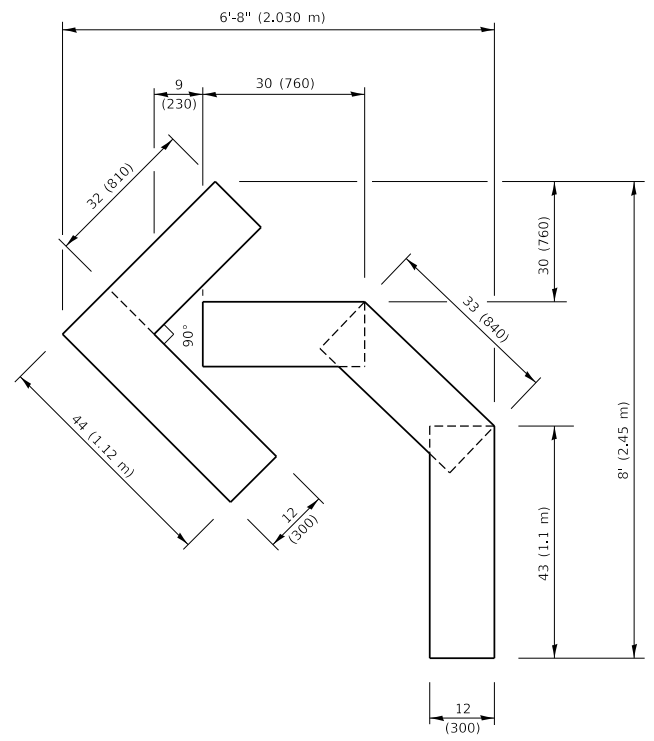
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PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

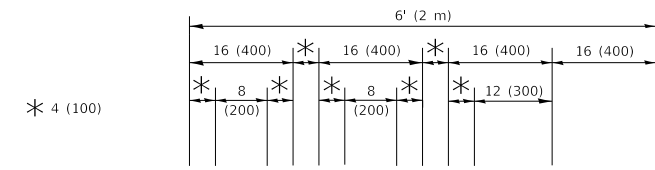
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				



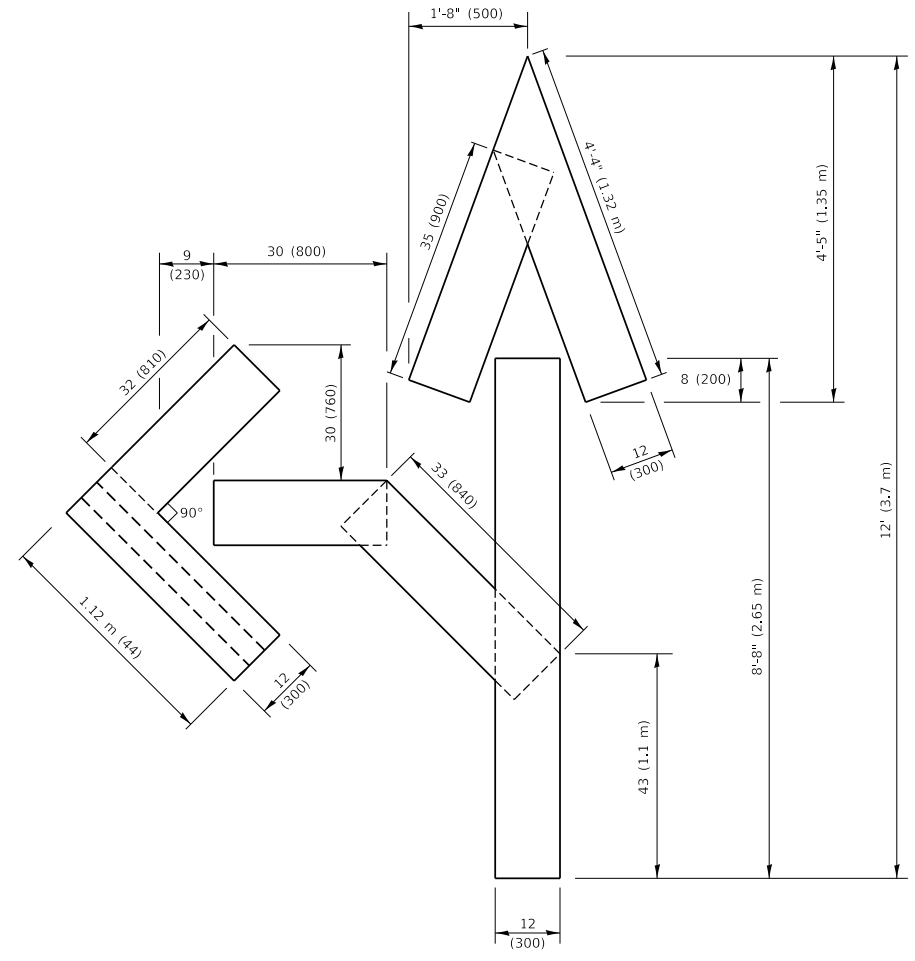
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

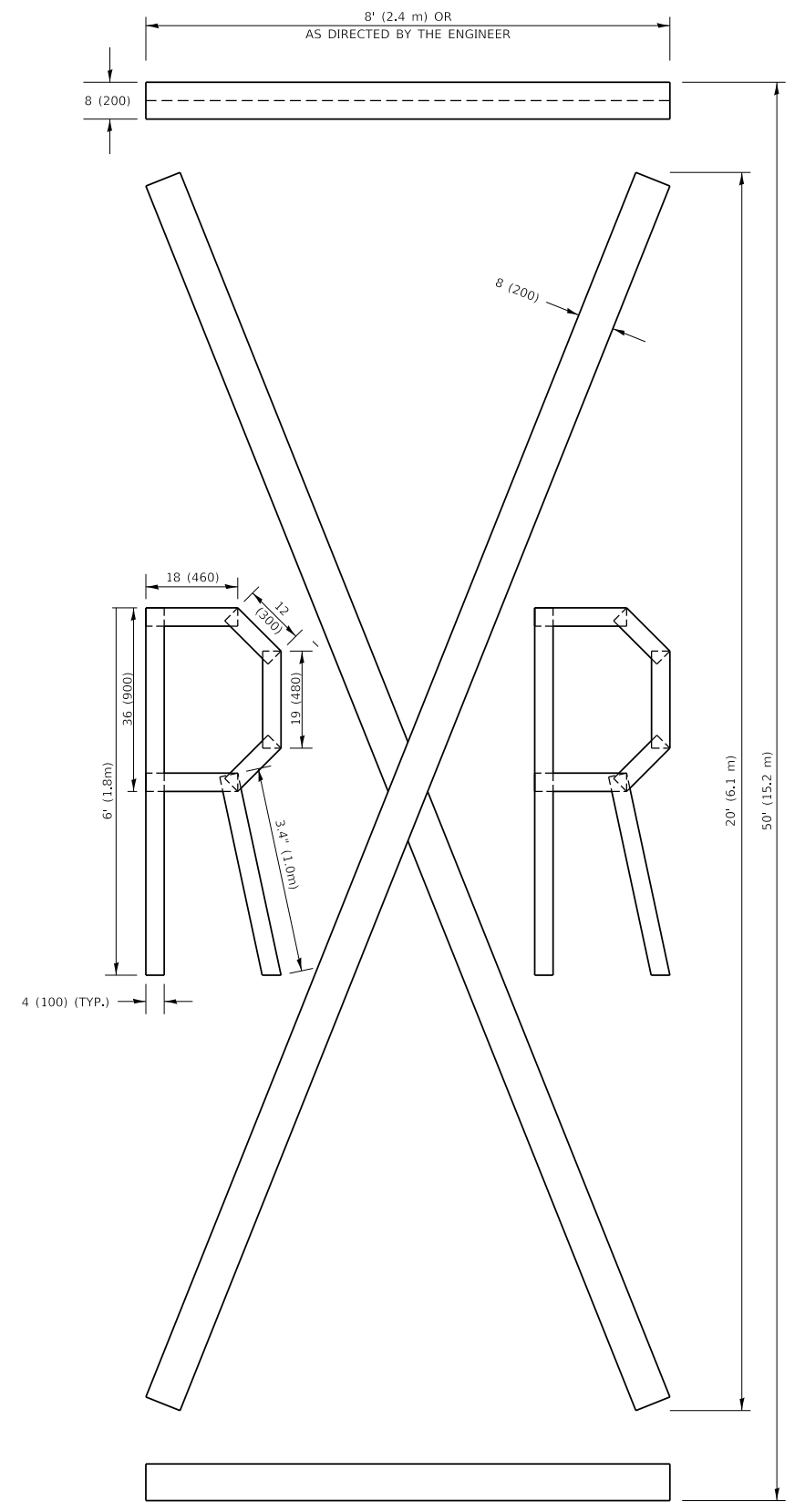


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

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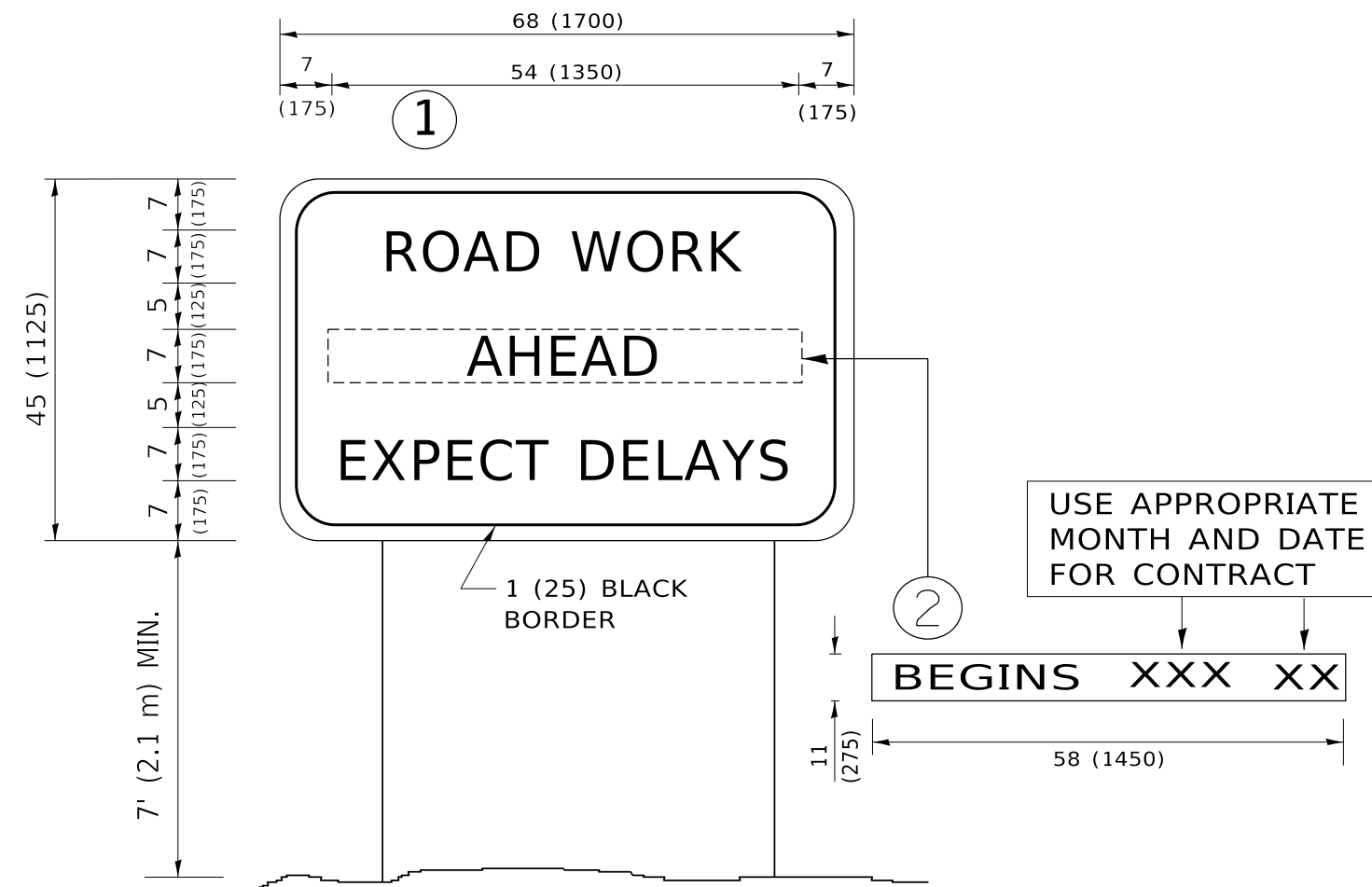
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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	182
TC-16		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

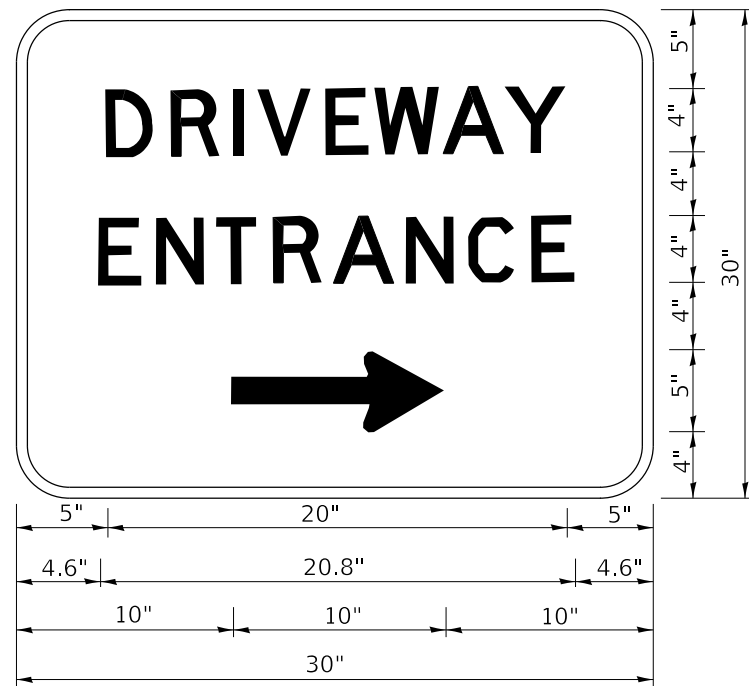
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	183
TC-22		CONTRACT NO. 61A96		
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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PLOT DATE = 3/4/2019	DATE -	REVISED -

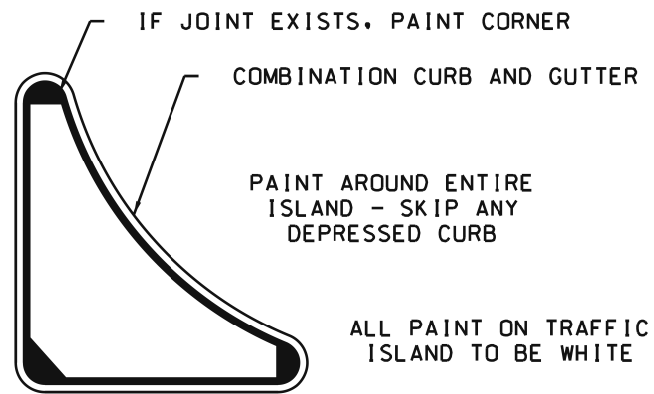
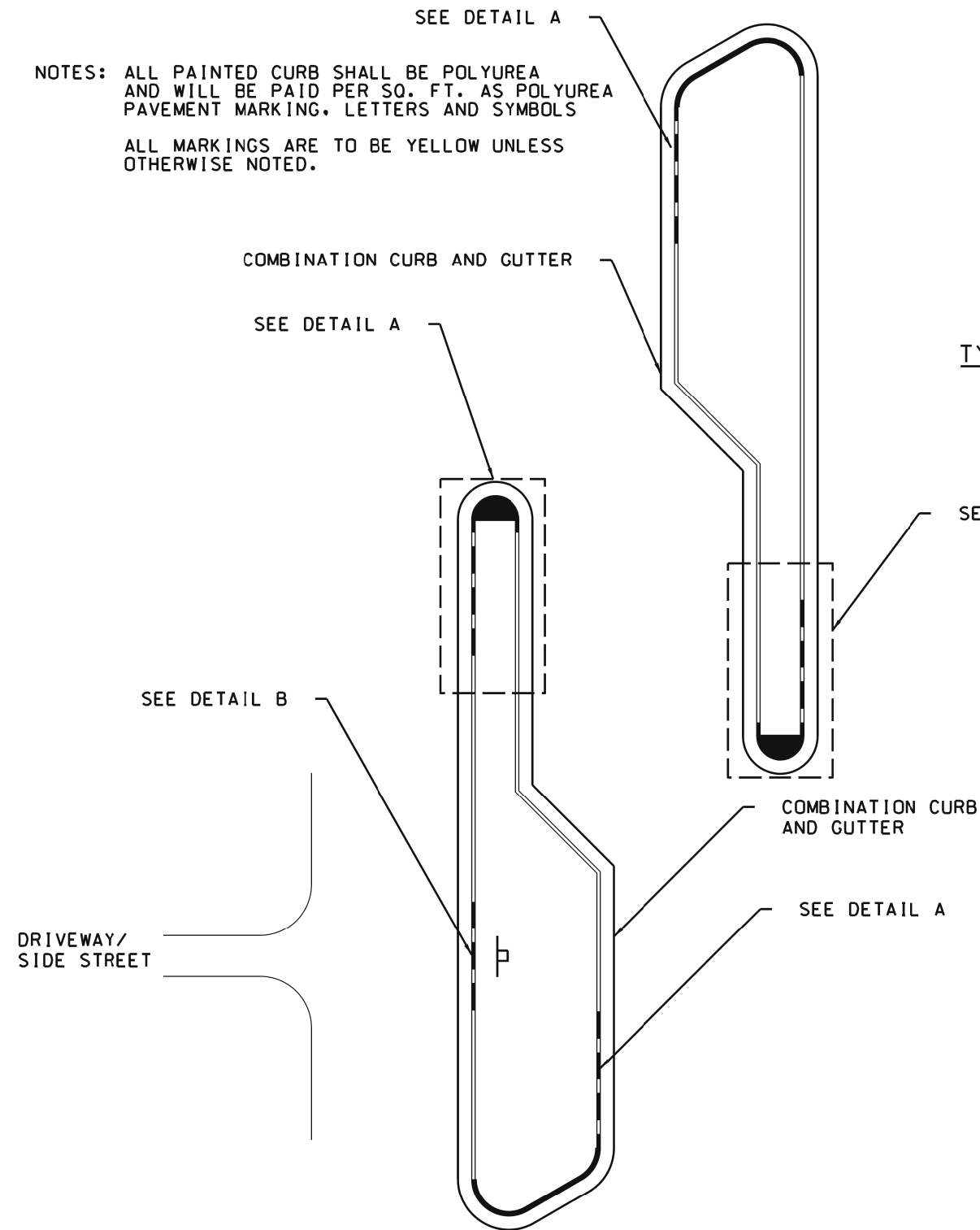
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

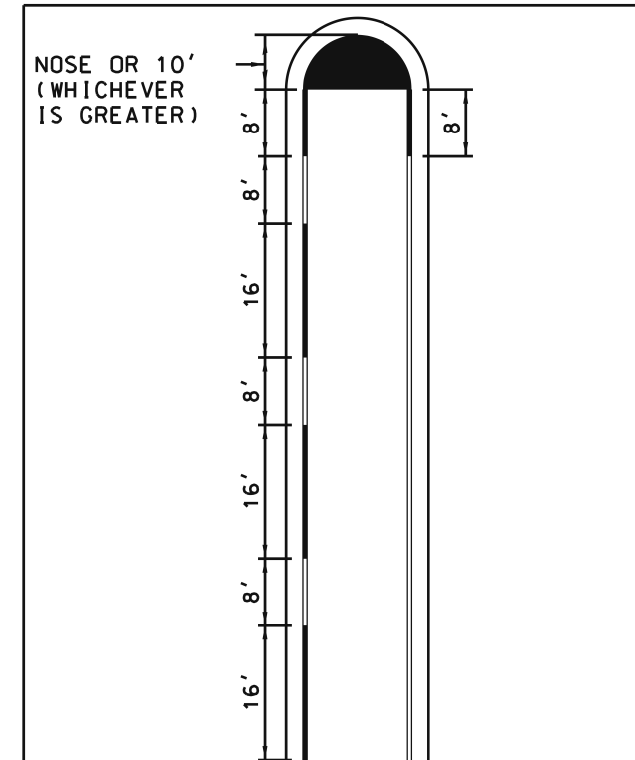
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	184
TC-26		CONTRACT NO. 61A96		
		ILLINOIS	FED. AID PROJECT	

NOTES: ALL PAINTED CURB SHALL BE POLYUREA AND WILL BE PAID PER SQ. FT. AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS
 ALL MARKINGS ARE TO BE YELLOW UNLESS OTHERWISE NOTED.



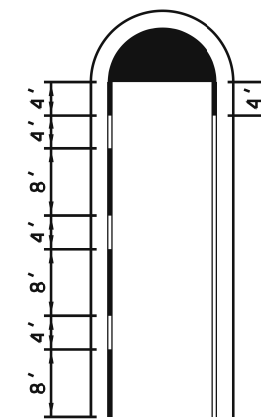
TYPICAL PAVEMENT MARKINGS AT ISLAND

DETAIL A*

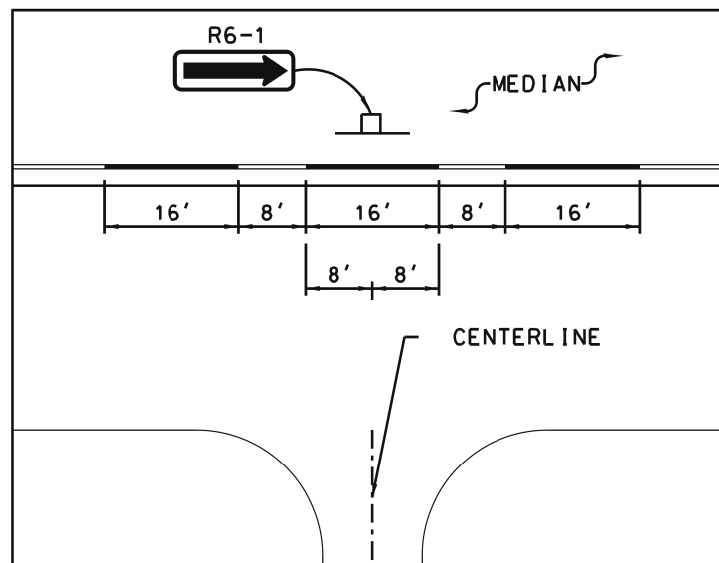


TYPICAL PAVEMENT MARKINGS AT RAISED MEDIAN NOSE

* IF 16 FOOT MARKINGS WITH 8 FOOT SKIPS DO NOT FIT, PAINT 8 FOOT MARKINGS WITH 4 FOOT SKIPS



DETAIL B



SKIPS AT DRIVEWAYS OR SIDE STREETS

SHEET 1 OF 2

WC-00800



WILL COUNTY
DIVISION OF TRANSPORTATION

MEDIAN CURB AND ISLAND
PAVEMENT MARKINGS

DATE	REVISIONS
2/17/2015	ADDED CURB AND GUTTER
12/5/2014	STANDARD CREATED

MODEL: D:\default... FILE NAME: 1113058\DC\NICADD_Sheet1C116-181-10mk13.dgn



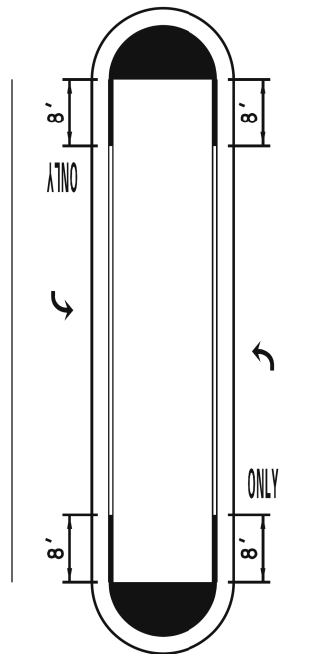
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WILL COUNTY STANDARD DESIGN DETAILS

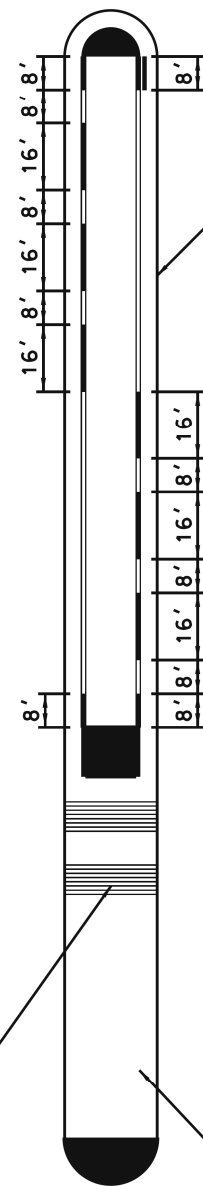
SCALE: N/A SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 185
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKINGS
AT RAISED MEDIAN
NOSE WITH TURN BAYS

NOTE: NO 16' SKIPS IN TURN BAYS
(UNLESS FOR ONE WAY SIGNS)



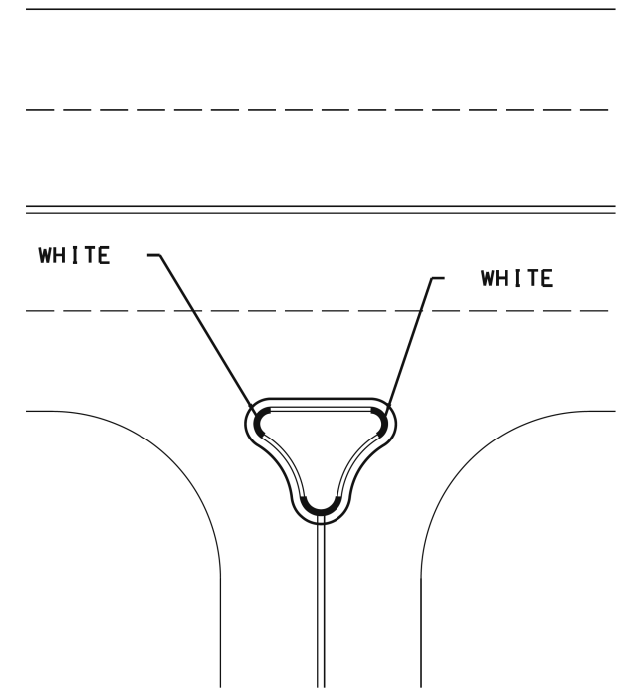
COMBINATION CURB
AND GUTTER

CORRUGATED MEDIAN

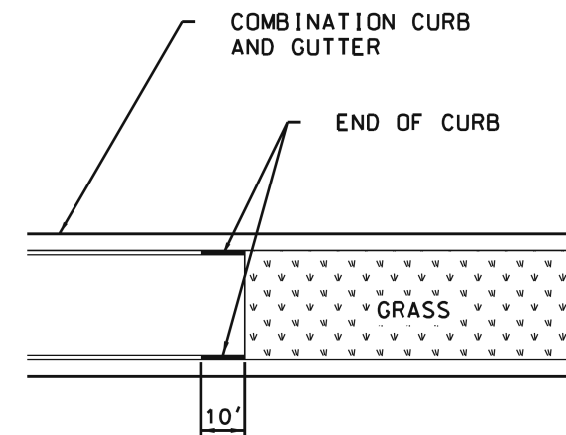
MOUNTABLE SECTION

NOTES: ALL PAINTED CURB SHALL BE POLYUREA
AND WILL BE PAID PER SQ. FT. AS POLYUREA
PAVEMENT MARKING, LETTERS AND SYMBOLS

ALL MARKINGS ARE TO BE YELLOW UNLESS
OTHERWISE NOTED.



TYPICAL PAVEMENT MARKING
AT RIGHT-IN RIGHT-OUT
MEDIAN



TYPICAL PAVEMENT MARKING
AT CURB ENDS

SHEET 2 OF 2



WILL COUNTY
DIVISION OF TRANSPORTATION

MEDIAN CURB AND ISLAND
PAVEMENT MARKINGS

DATE	REVISIONS
2/17/2015	ADDED CURB AND GUTTER
12/5/2014	STANDARD CREATED

WC-00800

MODEL: D:\s\h
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SINGH
SINGH & ASSOCIATES, INC
CONSULTING ENGINEERS

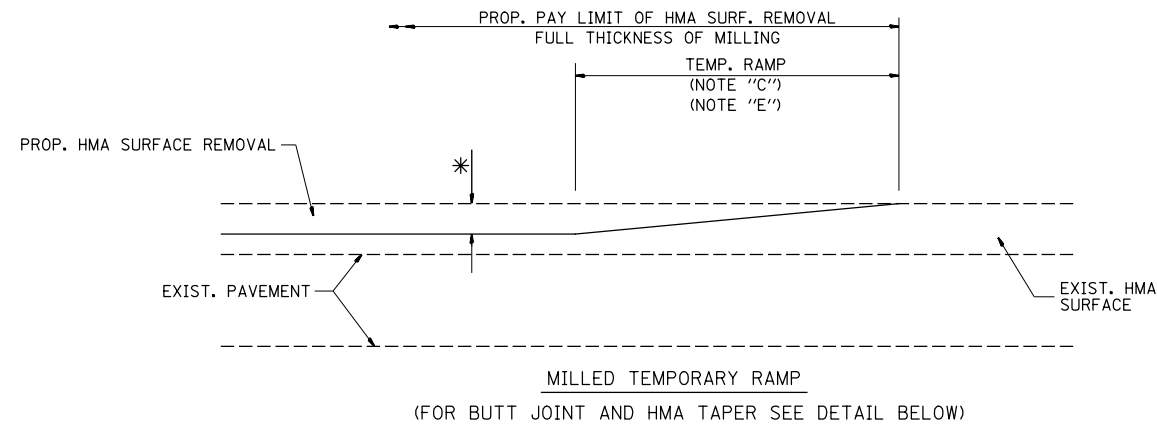
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

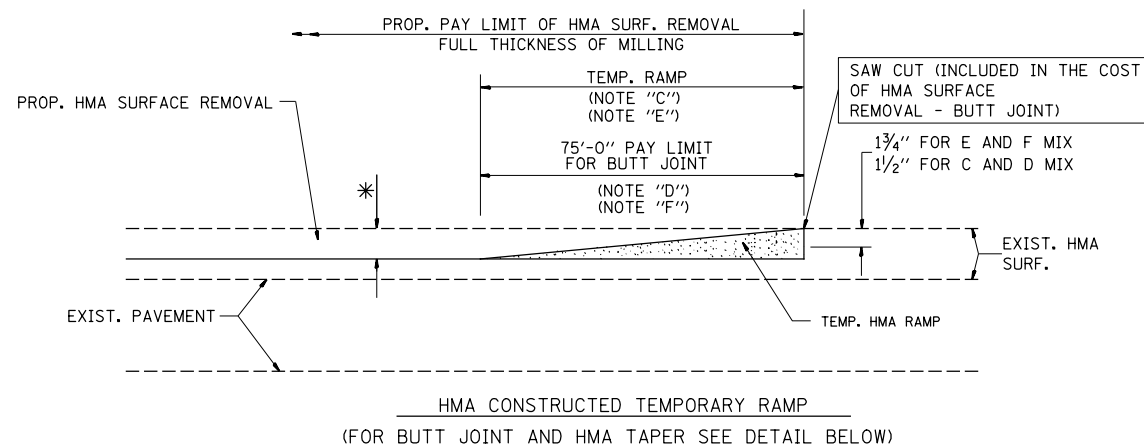
WILL COUNTY STANDARD DESIGN DETAILS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

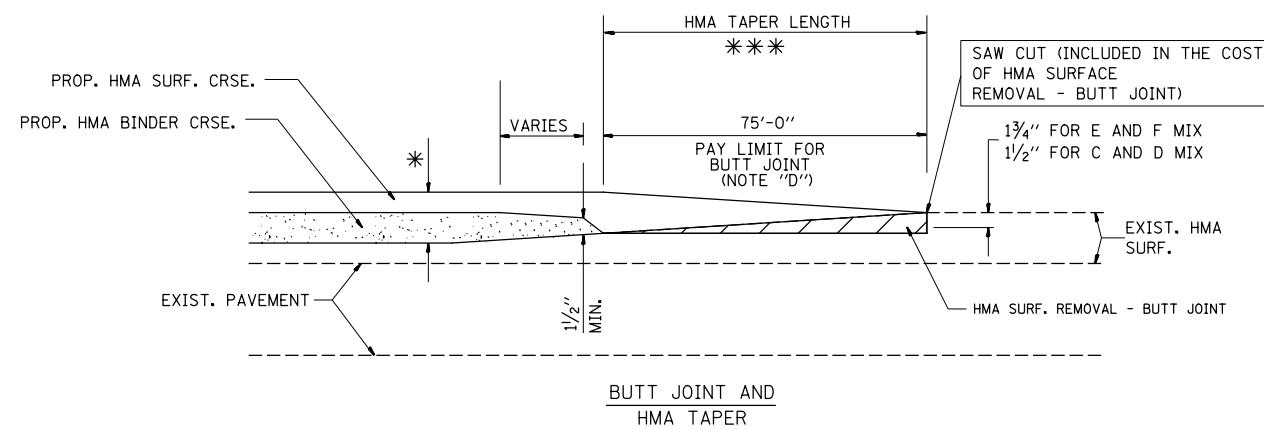
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	186
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A96	



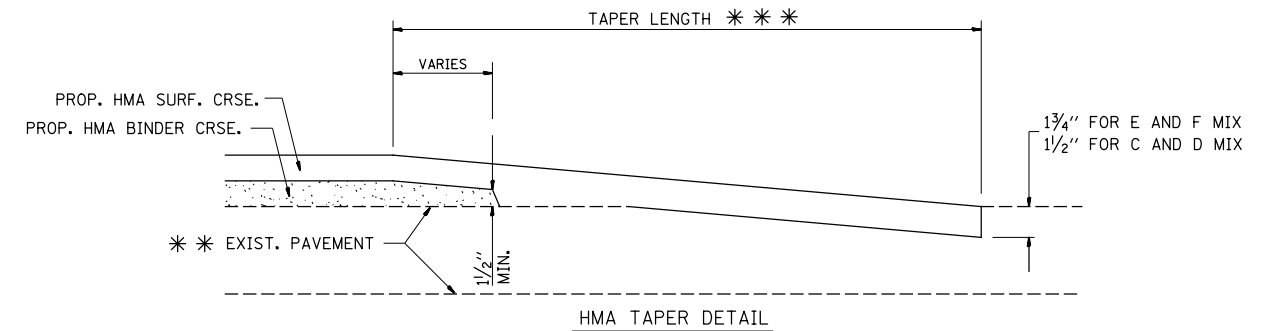
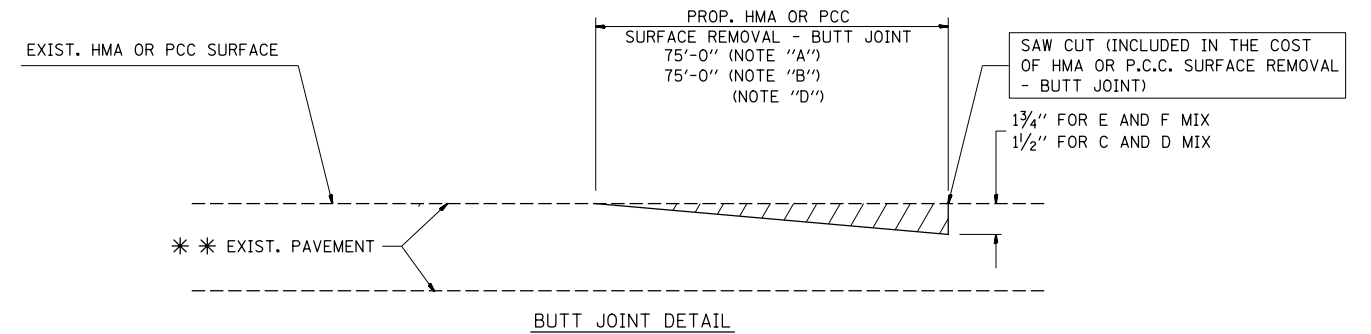
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 50'-0" PER 1 INCH OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 30'-0" TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 50'-0" PER 1" RESURFACING (NOTE "A")
50'-0" PER 1" RESURFACING (NOTE "B")

BASIS OF PAYMENT:

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

WC-00406 STANDARD CREATED 6/22/2015

FILE NAME = T:\16912A Bell Road\Civil\Plans\01 and Mill Co. and Roadway Details\01 -sh.t.0 - WC 0064 Butt Joint Standard.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8100
FAX: (312) 782-1884

USER NAME = barbosarodriguesh	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

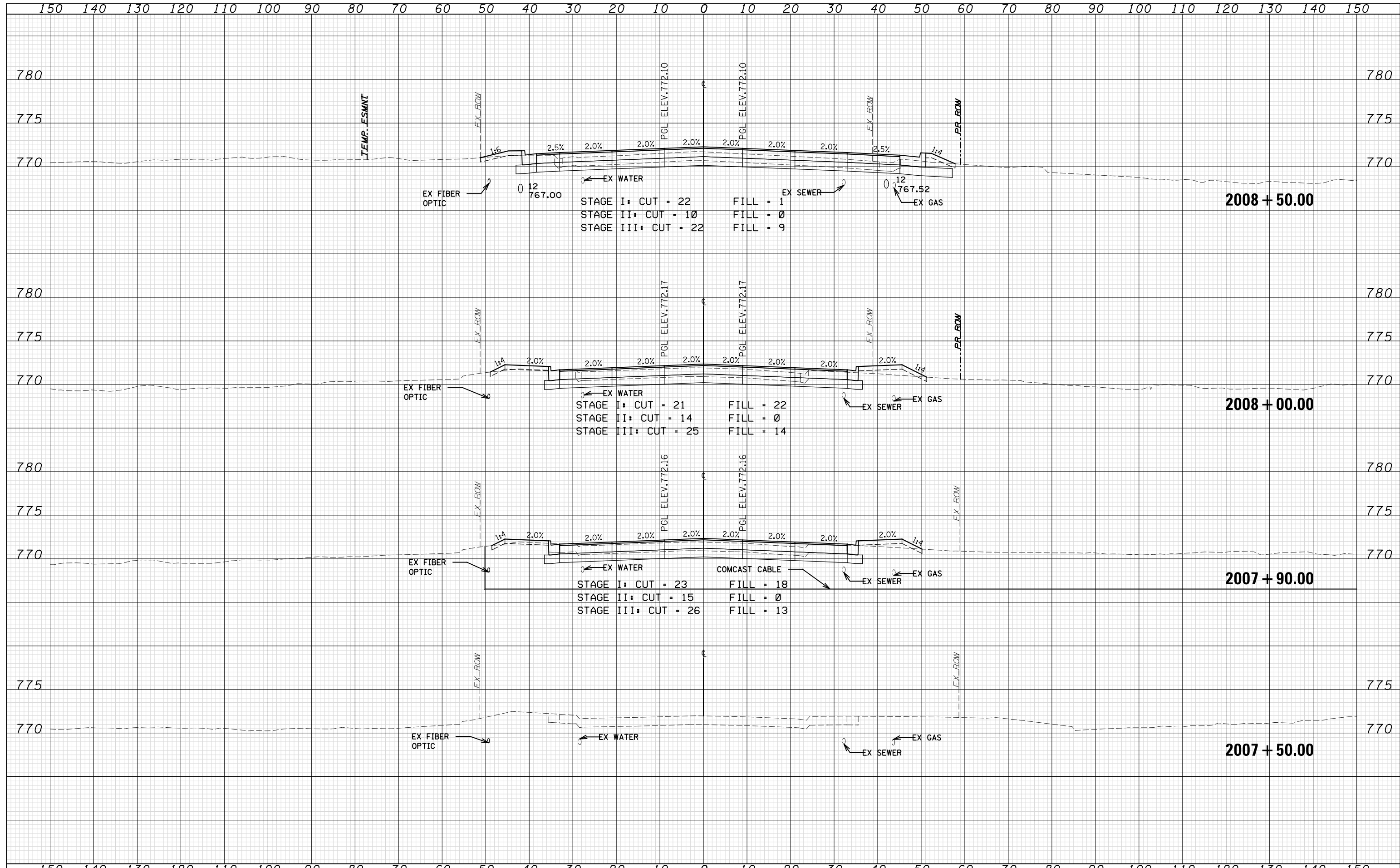
**WILL COUNTY STANDARD
BUTT JOINT AND HMA TAPER DETAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	187
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

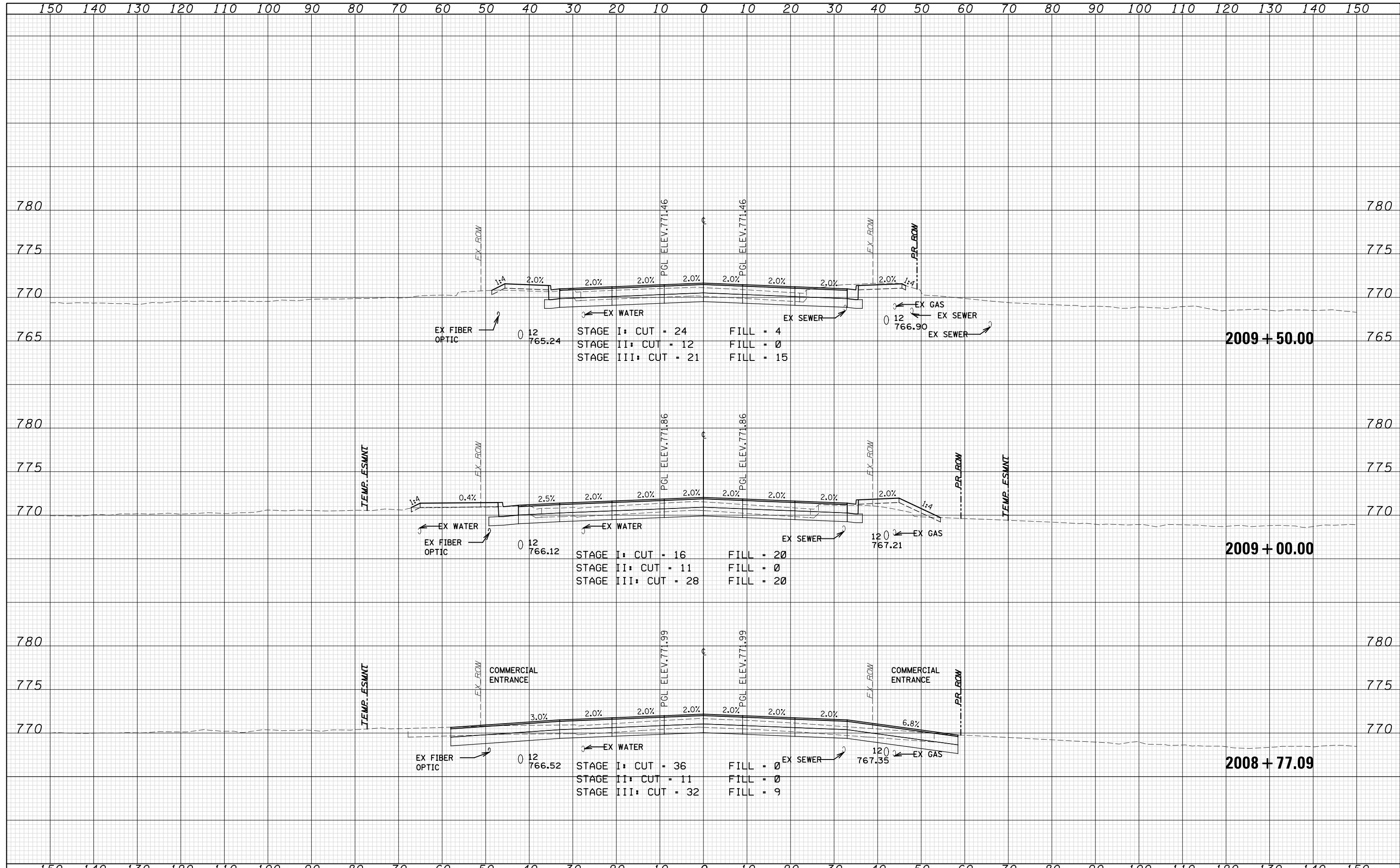
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BY	
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TEMPLATE	
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BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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BY	
SURVEYED	
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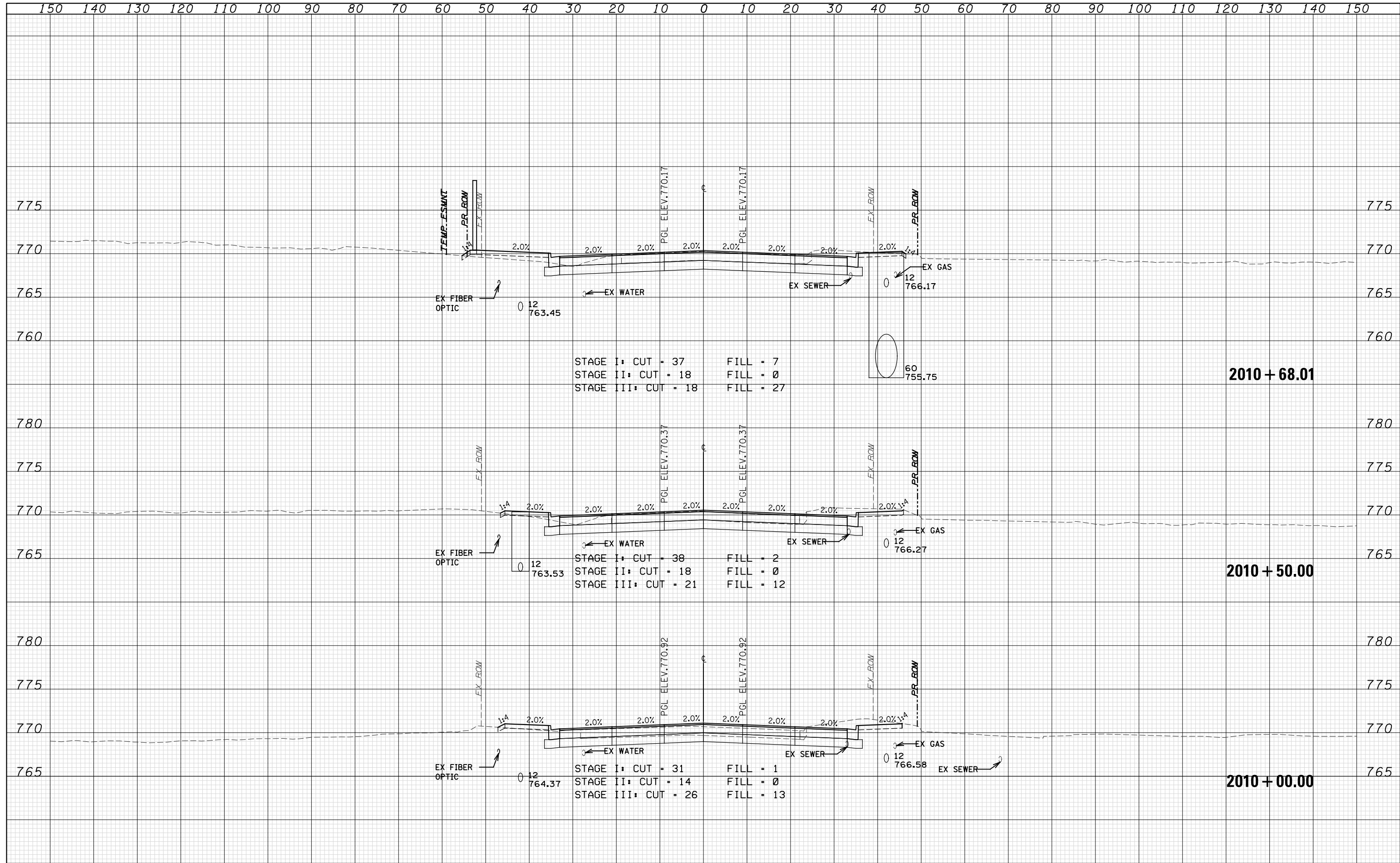
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 25-APR-2022 18:40	DESIGNED - <i>N. LAGA</i> DRAWN - <i>N. LAGA</i> CHECKED - <i>D. SKALESKI</i> DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BELL RD. CROSS SECTIONS	SCALE: SHEET NO. 180 OF 229 SHEETS STA. 2008+77.09 TO STA. 2009+50.00	F.A.P. RTE. 0356 SECTION 99-00147-07-FP COUNTY WILL CONTRACT NO. 61A96	TOTAL SHEETS 229 SHEET NO. 189 ILLINOIS FED. AID PROJECT
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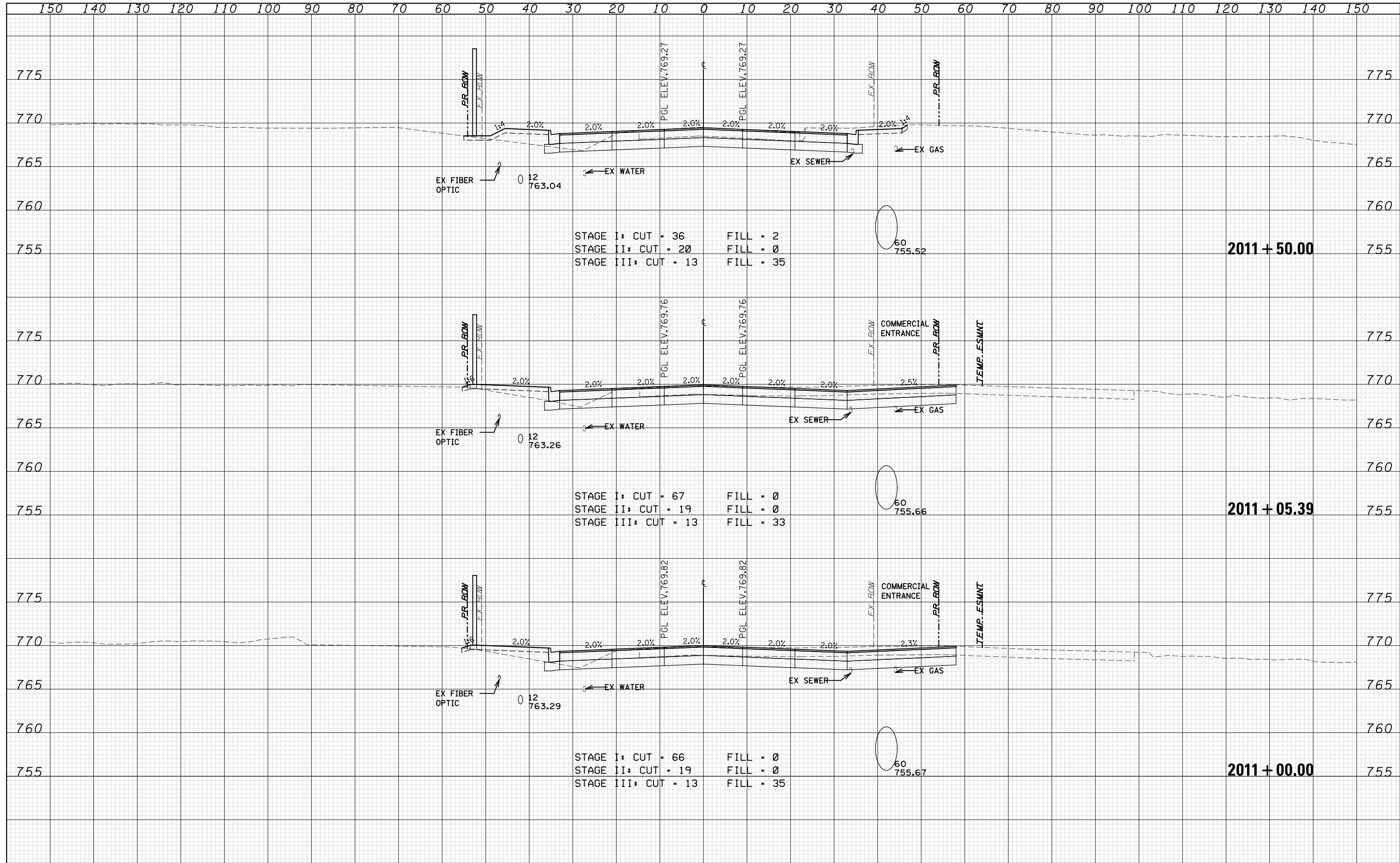
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BY	
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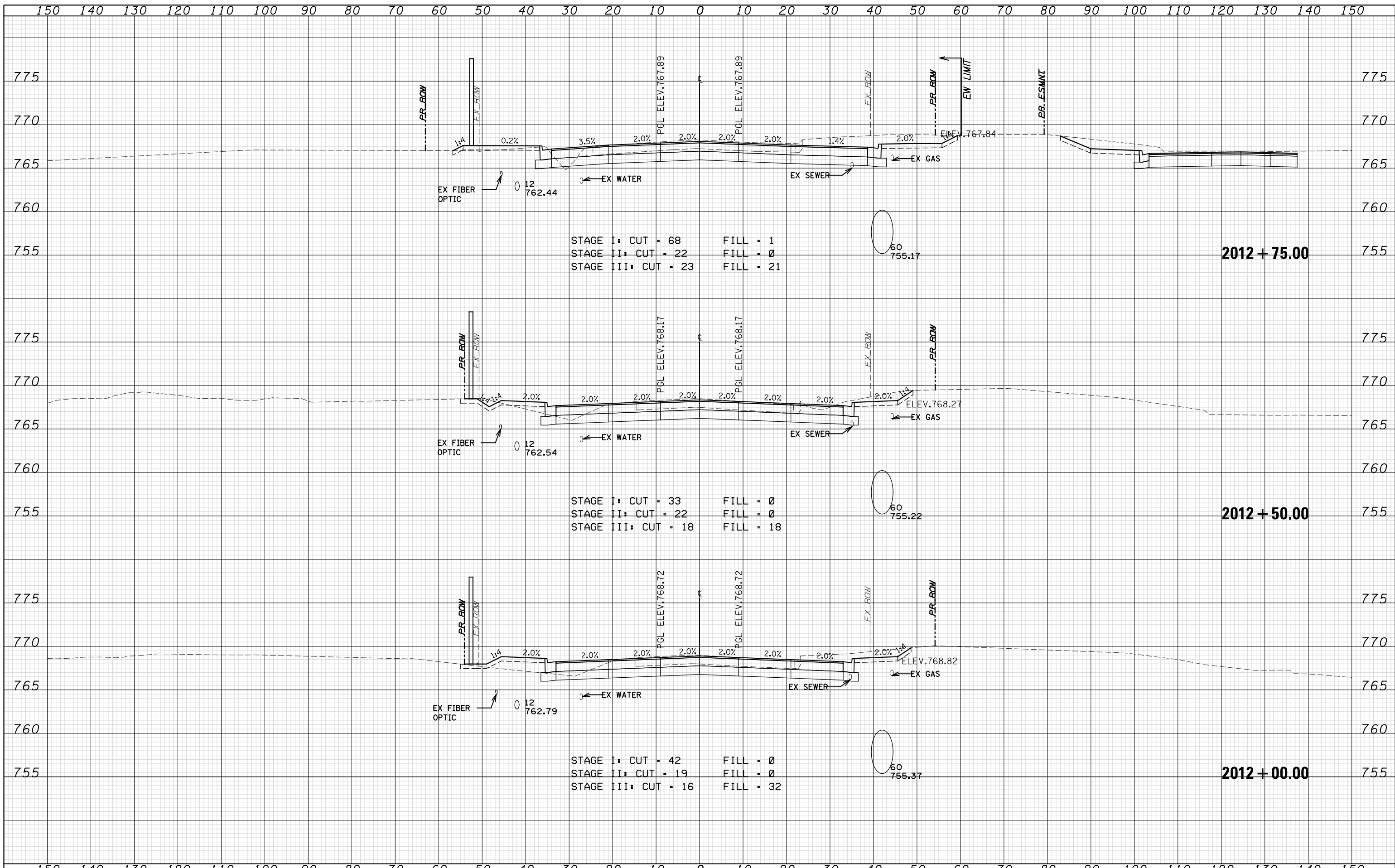
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ORIGINAL SURVEY	
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DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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NO.	

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





STAGE I: CUT = 68 FILL = 1
 STAGE II: CUT = 22 FILL = 0
 STAGE III: CUT = 23 FILL = 21

STAGE I: CUT = 33 FILL = 0
 STAGE II: CUT = 22 FILL = 0
 STAGE III: CUT = 18 FILL = 18

STAGE I: CUT = 42 FILL = 0
 STAGE II: CUT = 19 FILL = 0
 STAGE III: CUT = 16 FILL = 32

2012 + 75.00

2012 + 50.00

2012 + 00.00

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

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



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 10-MAR-2022 09:46

DESIGNED - *N. LAGA*
 DRAWN - *N. LAGA*
 CHECKED - *D. SKALESKI*
 DATE - 10/04/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

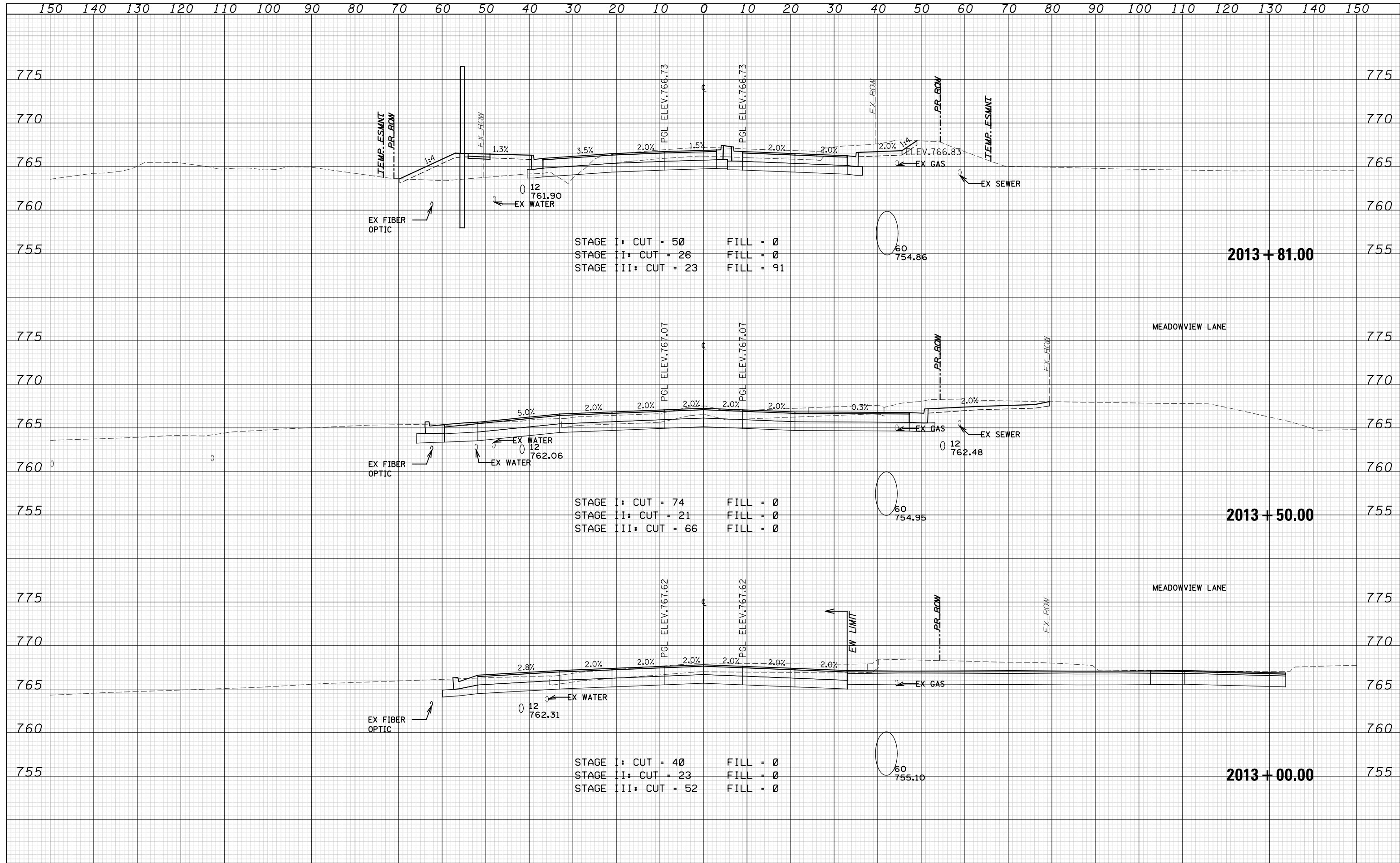
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 CROSS SECTIONS**

SCALE: SHEET NO. 183 OF 229 SHEETS STA. 2012+00.00 TO STA. 2012+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	192
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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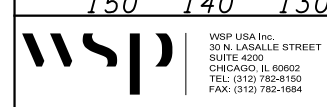
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE I: CUT = 50 FILL = 0
 STAGE II: CUT = 26 FILL = 0
 STAGE III: CUT = 23 FILL = 91

STAGE I: CUT = 74 FILL = 0
 STAGE II: CUT = 21 FILL = 0
 STAGE III: CUT = 66 FILL = 0

STAGE I: CUT = 40 FILL = 0
 STAGE II: CUT = 23 FILL = 0
 STAGE III: CUT = 52 FILL = 0



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 10-MAR-2022 09:46

DESIGNED - N. LAGA
 DRAWN - M. LAGA
 CHECKED - D. SKALESKI
 DATE - 10/04/2021

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

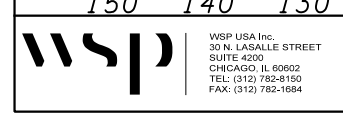
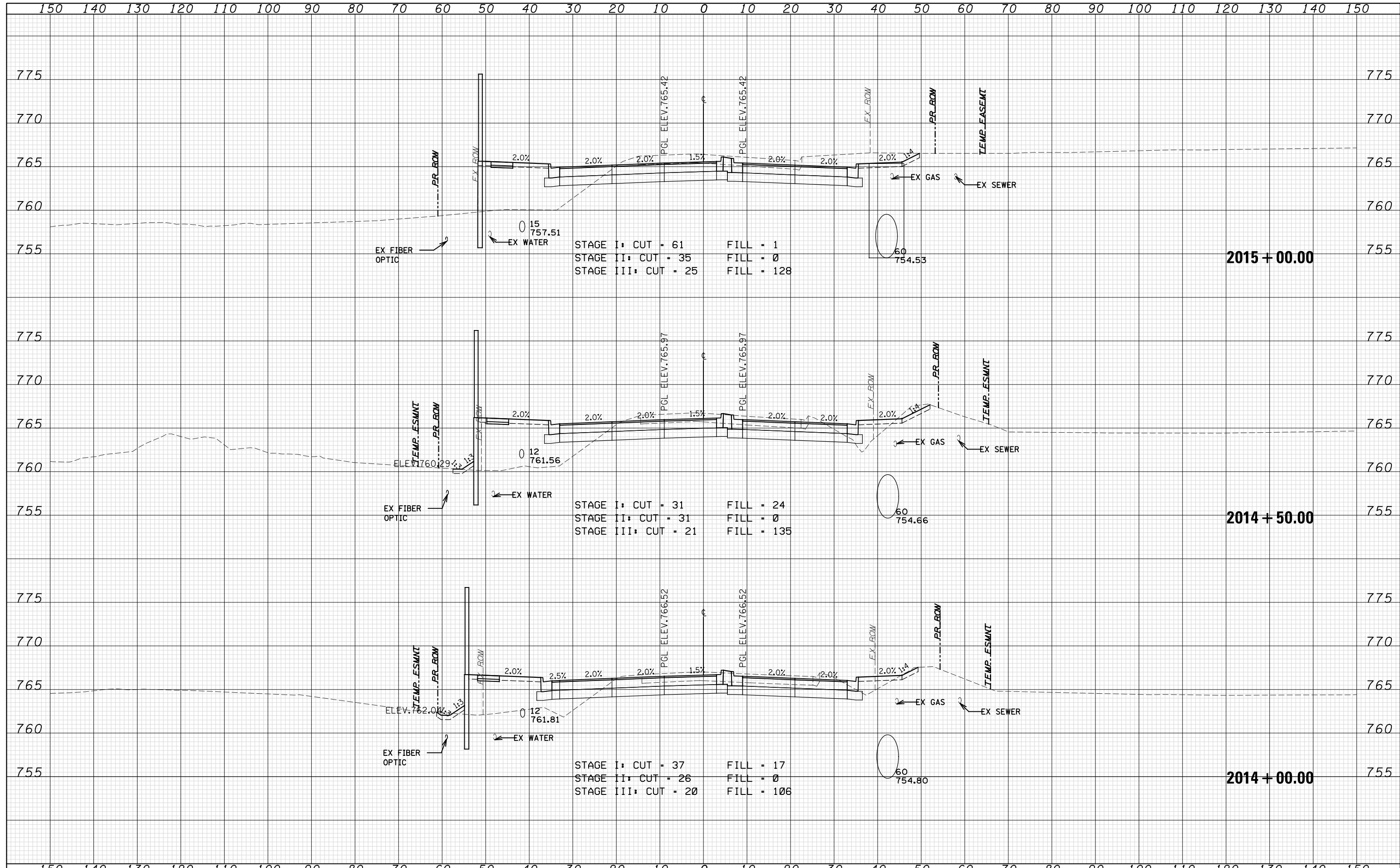
BELL RD.
 CROSS SECTIONS

SCALE: SHEET NO. 184 OF 229 SHEETS STA. 2013+00.00 TO STA. 2013+81.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	193
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
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TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

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



USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 15-APR-2022 09:58	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

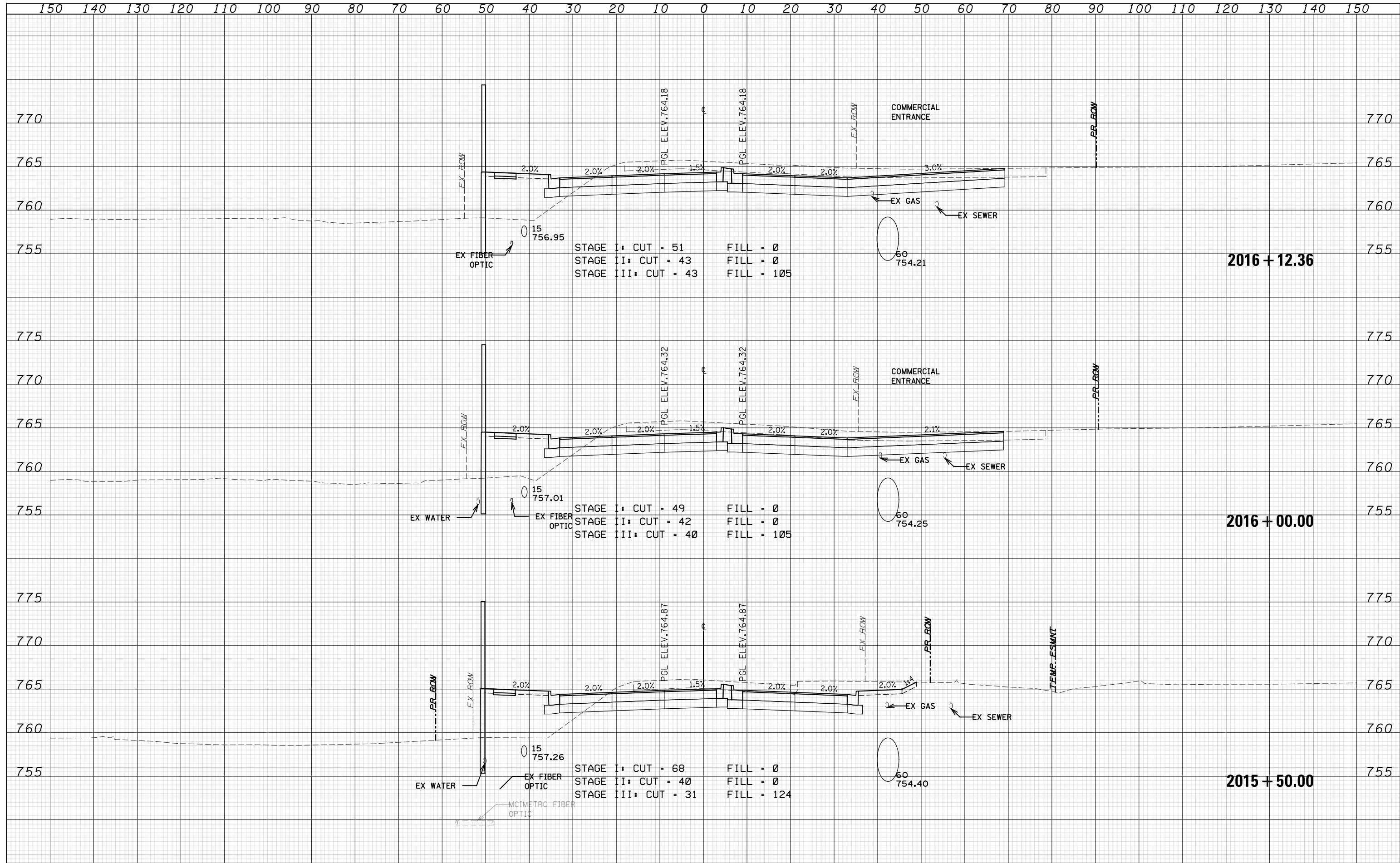
**BELL RD.
CROSS SECTIONS**

SCALE: SHEET NO. 185 OF 229 SHEETS STA. 2014+00.00 TO STA. 2015+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	194
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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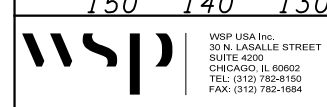
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE I: CUT = 51 FILL = 0
 STAGE II: CUT = 43 FILL = 0
 STAGE III: CUT = 43 FILL = 105

STAGE I: CUT = 49 FILL = 0
 STAGE II: CUT = 42 FILL = 0
 STAGE III: CUT = 40 FILL = 105

STAGE I: CUT = 68 FILL = 0
 STAGE II: CUT = 40 FILL = 0
 STAGE III: CUT = 31 FILL = 124



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 15-APR-2022 13:59

DESIGNED - N. LAGA
 DRAWN - M. LAGA
 CHECKED - D. SKALESKI
 DATE - 10/04/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

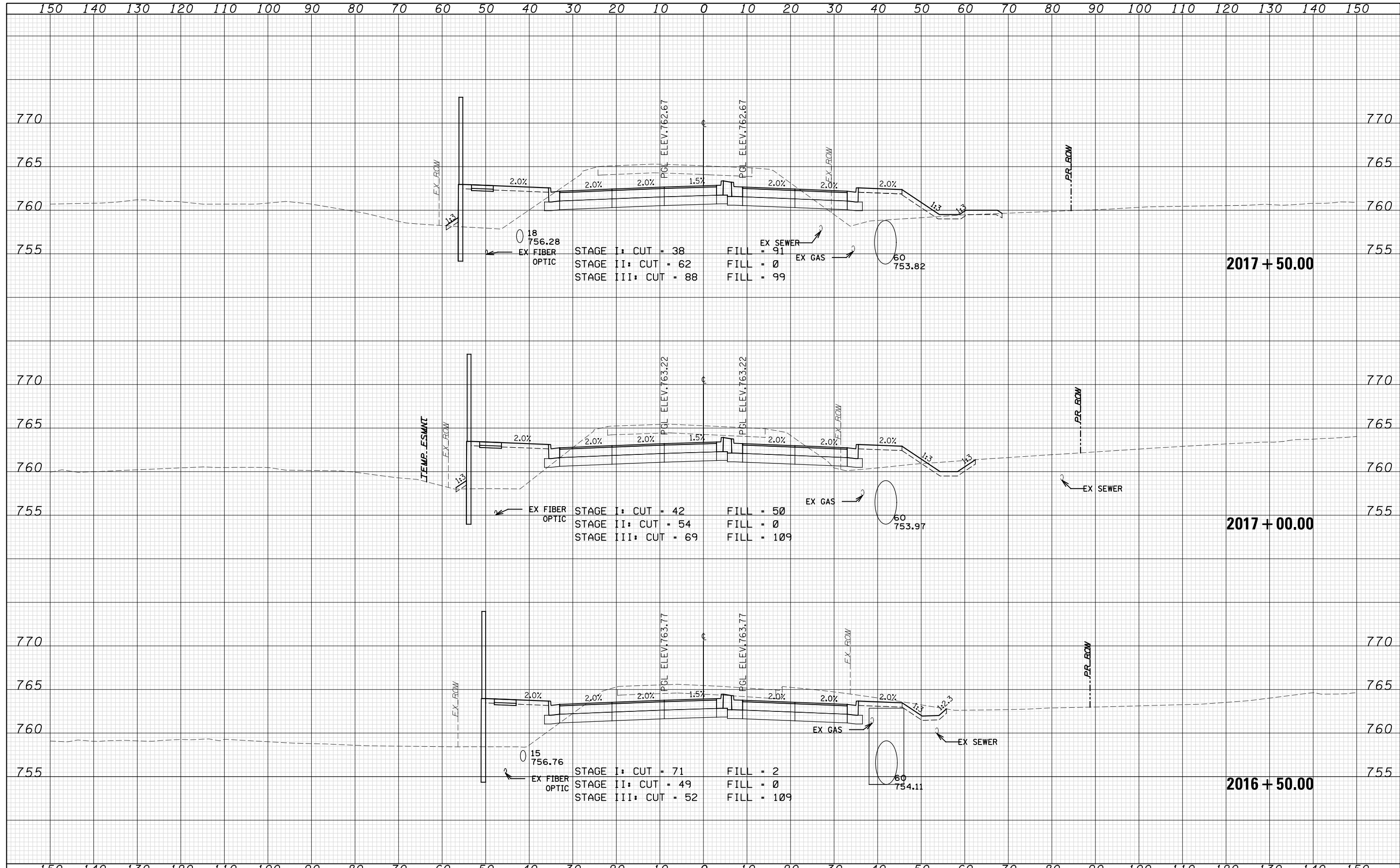
BELL RD.
 CROSS SECTIONS

SCALE: SHEET NO. 186 OF 229 SHEETS STA. 2015+50.00 TO STA. 2016+12.36

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	195
CONTRACT NO.			61A96	
ILLINOIS FED. AID PROJECT				

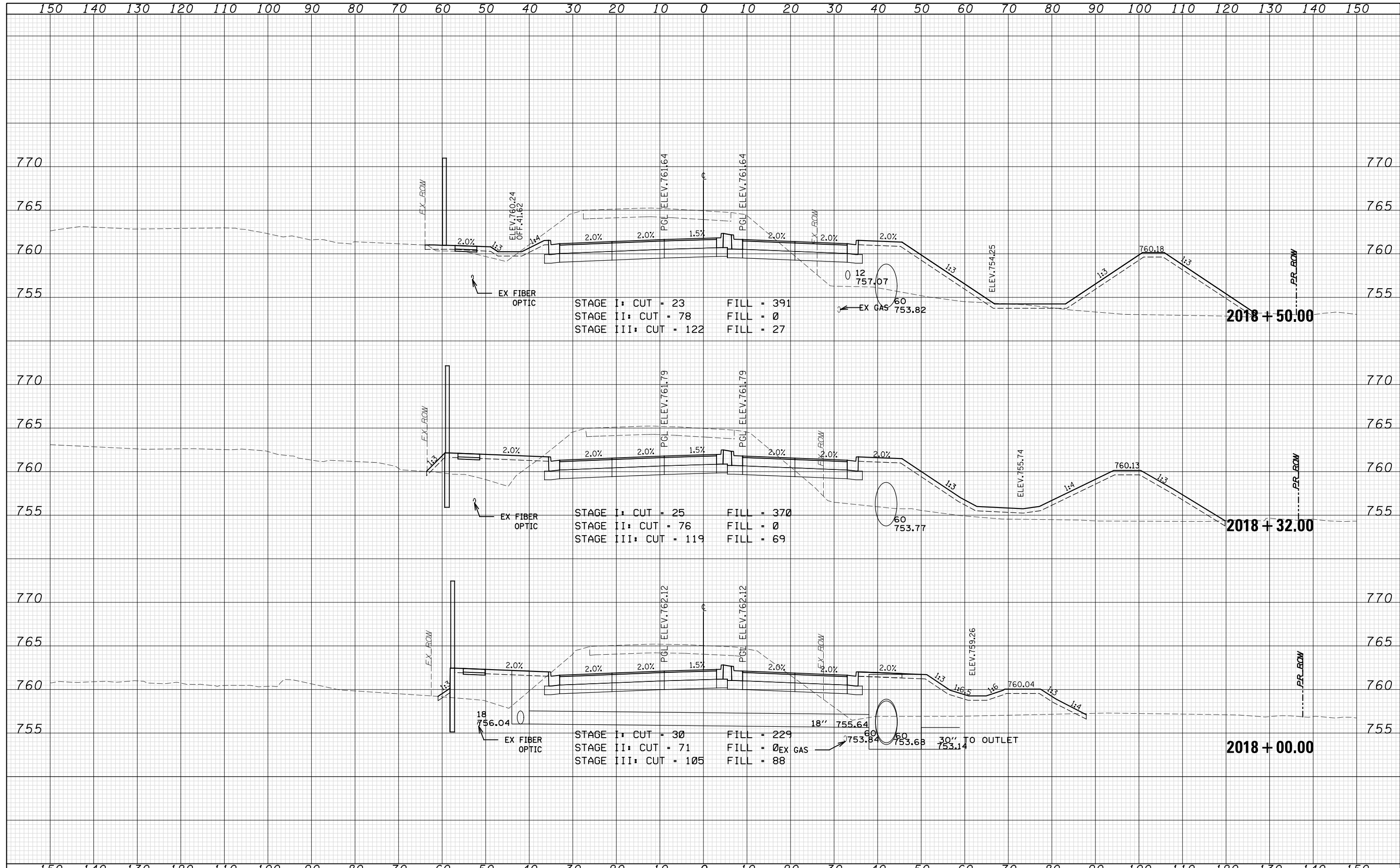
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NO.	TEMPLATE
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DATE	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



DATE	
BY	
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NOTE BOOK	
AREAS CHECKED	
NO.	

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



STAGE I: CUT = 23 FILL = 391
 STAGE II: CUT = 78 FILL = 0
 STAGE III: CUT = 122 FILL = 27

STAGE I: CUT = 25 FILL = 370
 STAGE II: CUT = 76 FILL = 0
 STAGE III: CUT = 119 FILL = 69

STAGE I: CUT = 30 FILL = 229
 STAGE II: CUT = 71 FILL = 0
 STAGE III: CUT = 105 FILL = 88



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 15-APR-2022 09:58

DESIGNED - N. LAGA
 DRAWN - N. LAGA
 CHECKED - D. SKALESKI
 DATE - 10/04/2021

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

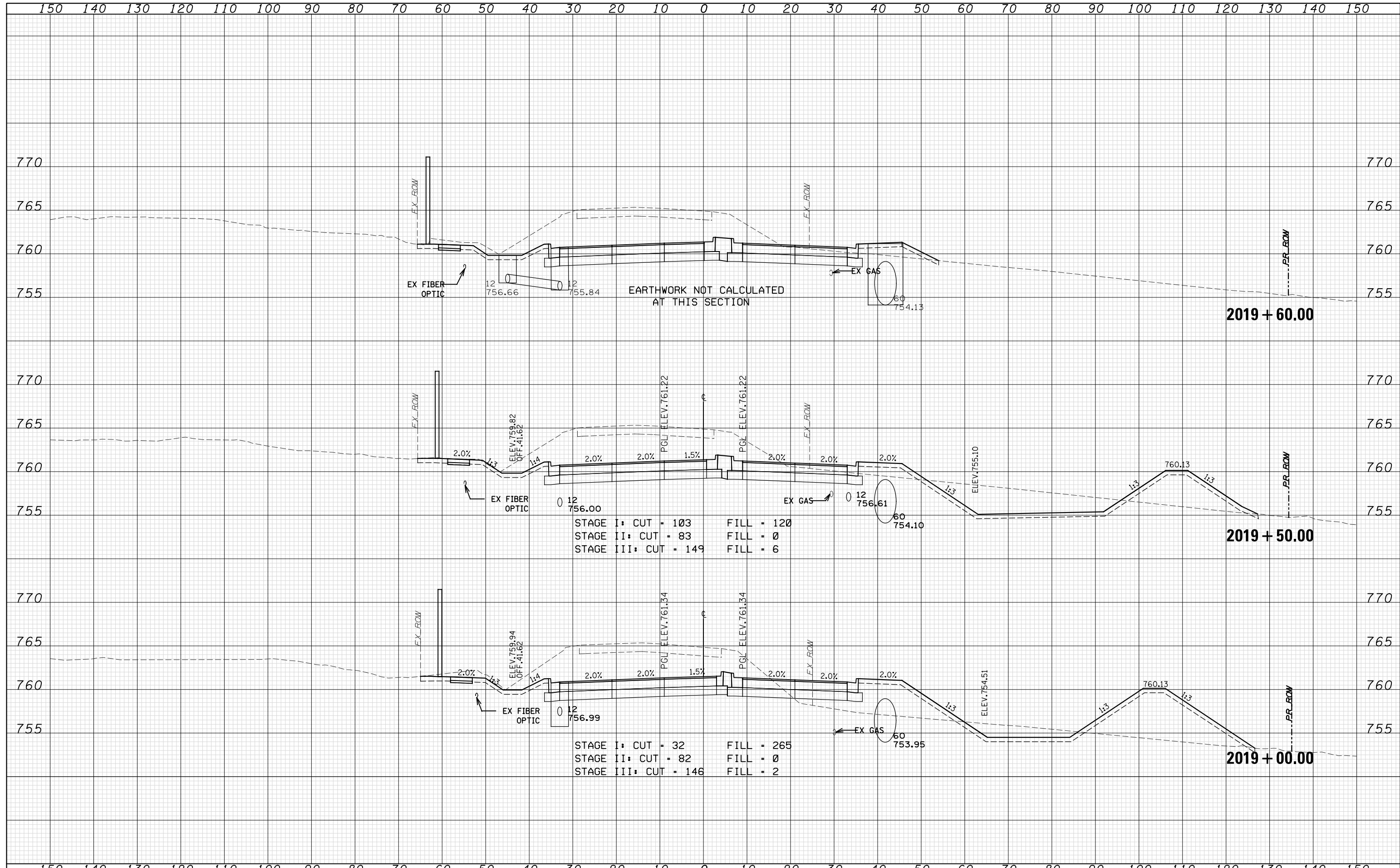
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BELL RD.
 CROSS SECTIONS
 SCALE: SHEET NO. 188 OF 229 SHEETS STA. 2018+00.00 TO STA. 2018+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	197
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

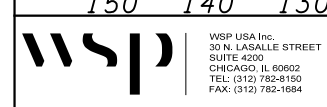
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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



STAGE I: CUT = 103 FILL = 120
 STAGE II: CUT = 83 FILL = 0
 STAGE III: CUT = 149 FILL = 6

STAGE I: CUT = 32 FILL = 265
 STAGE II: CUT = 82 FILL = 0
 STAGE III: CUT = 146 FILL = 2



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
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USER NAME =
 FILE NAME =
 PLOT SCALE =
 PLOT DATE = 15-APR-2022 09:59

DESIGNED - N. LAGA
 DRAWN - M. LAGA
 CHECKED - D. SKALESKI
 DATE - 10/04/2021

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

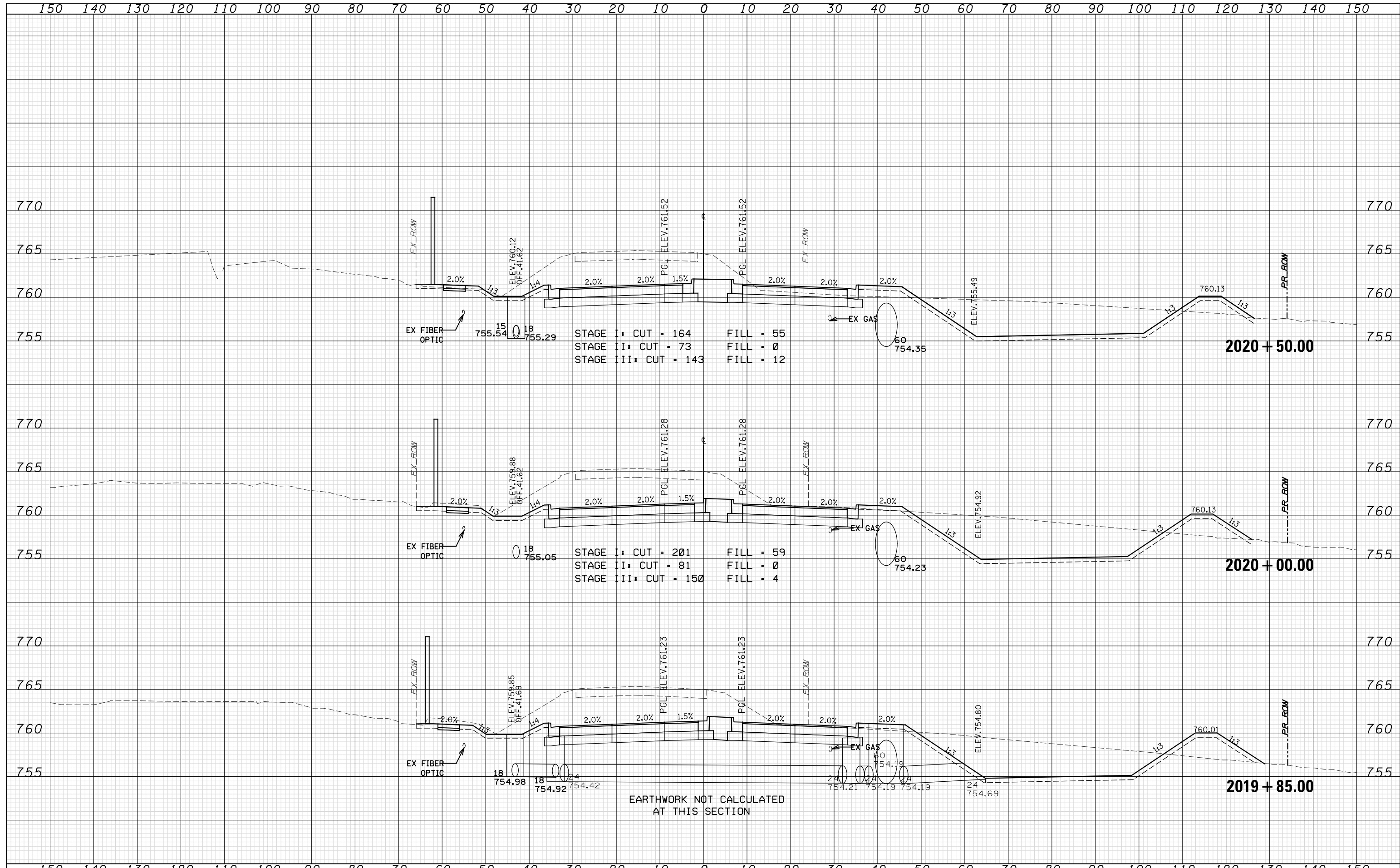
BELL RD.
 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	198
				CONTRACT NO. 61A96

SCALE: SHEET NO. 189 OF 229 SHEETS STA. 2019+00.00 TO STA. 2019+60.00 ILLINOIS FED. AID PROJECT

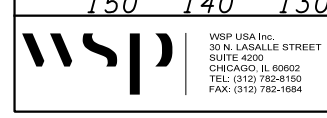
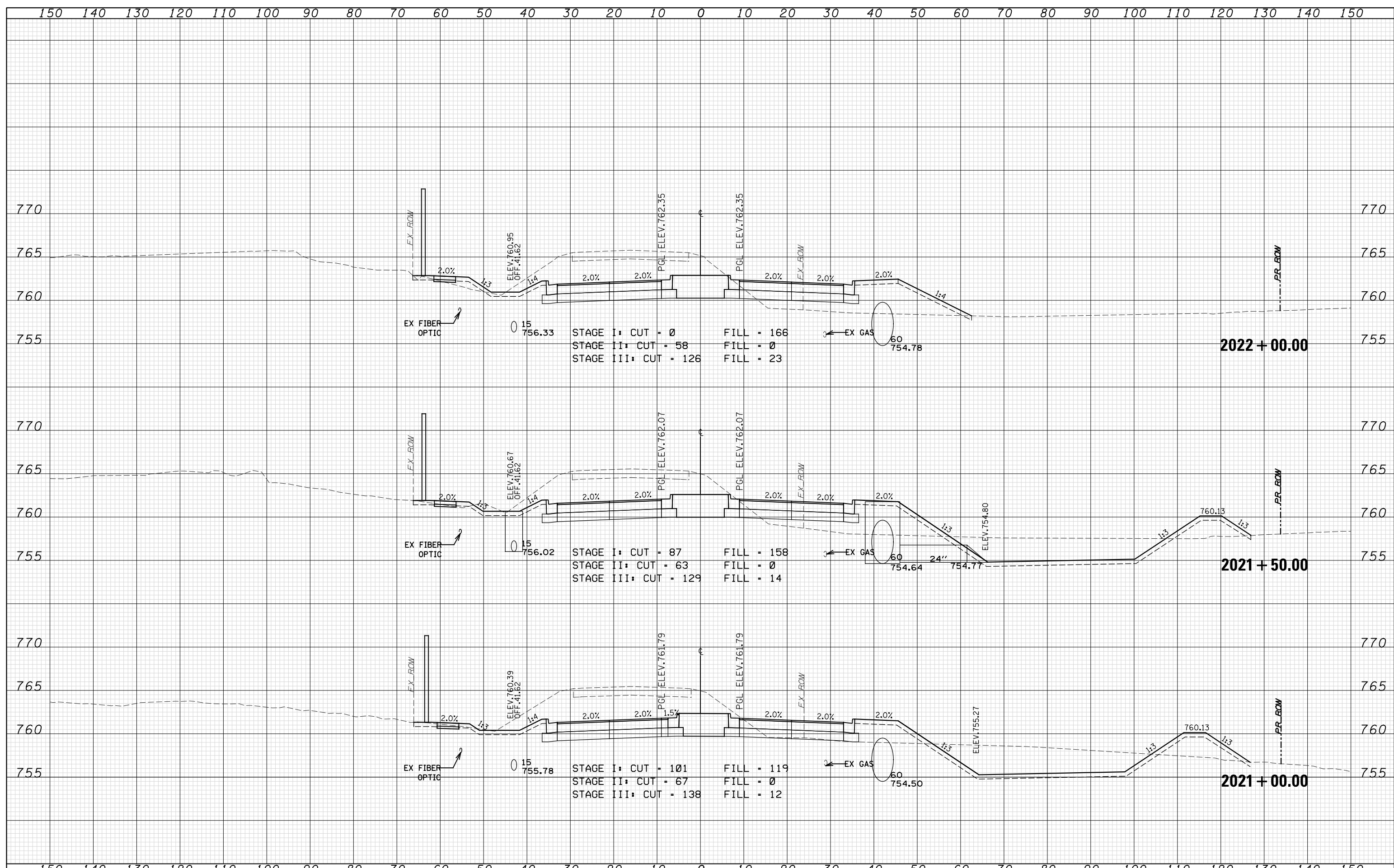
DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



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

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



USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 15-APR-2022 13:59	DATE - 10/04/2021	REVISED -

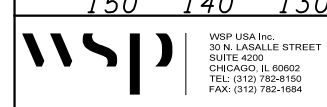
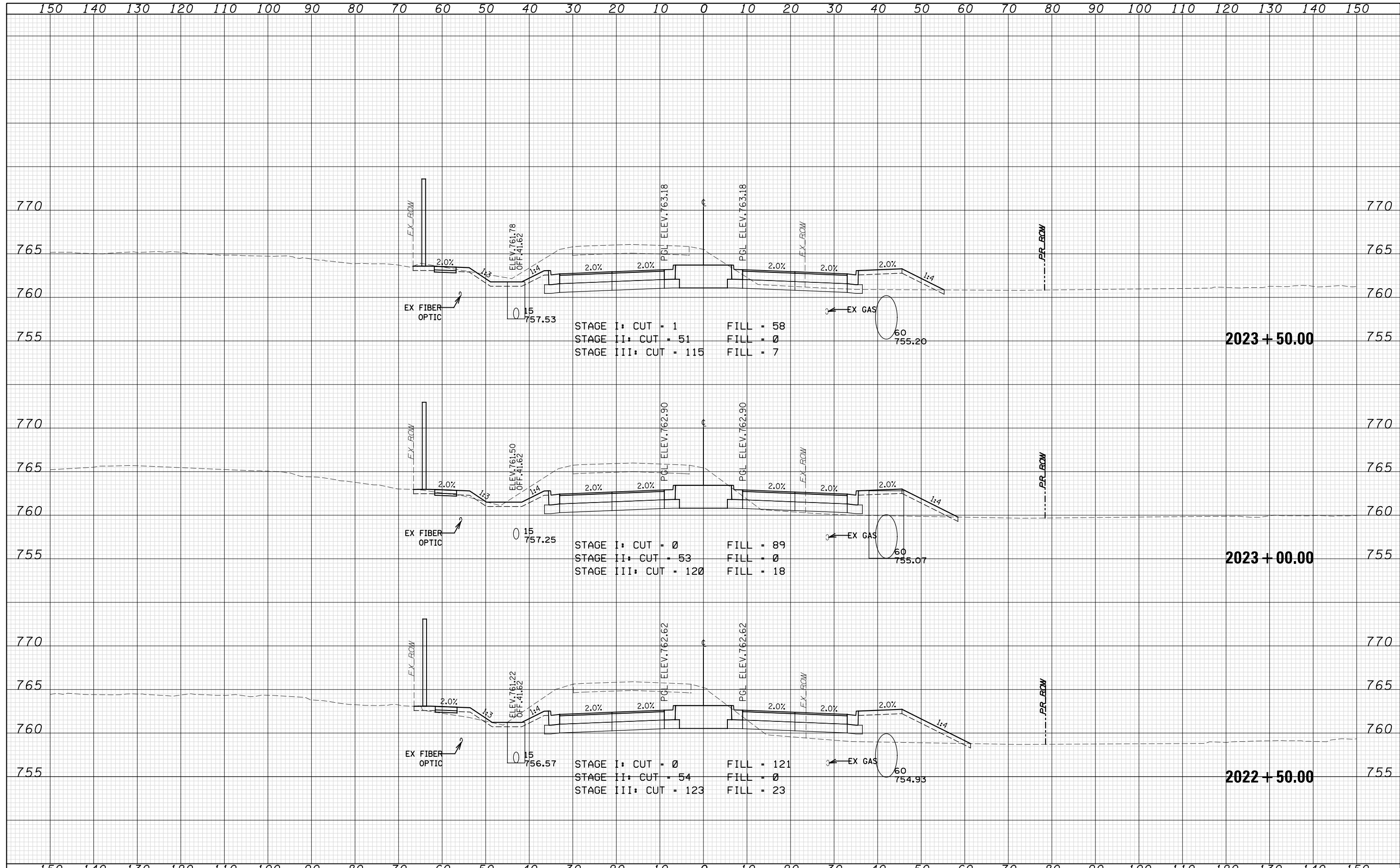
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BELL RD. CROSS SECTIONS	
SCALE:	SHEET NO. 191 OF 229 SHEETS STA. 2021+00.00 TO STA. 2022+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	200
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME =
FILE NAME =
PLOT SCALE =
PLOT DATE = 07-FEB-2021 19:41

DESIGNED - N. LAGA
DRAWN - M. LAGA
CHECKED - D. SKALESKI
DATE - 10/04/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

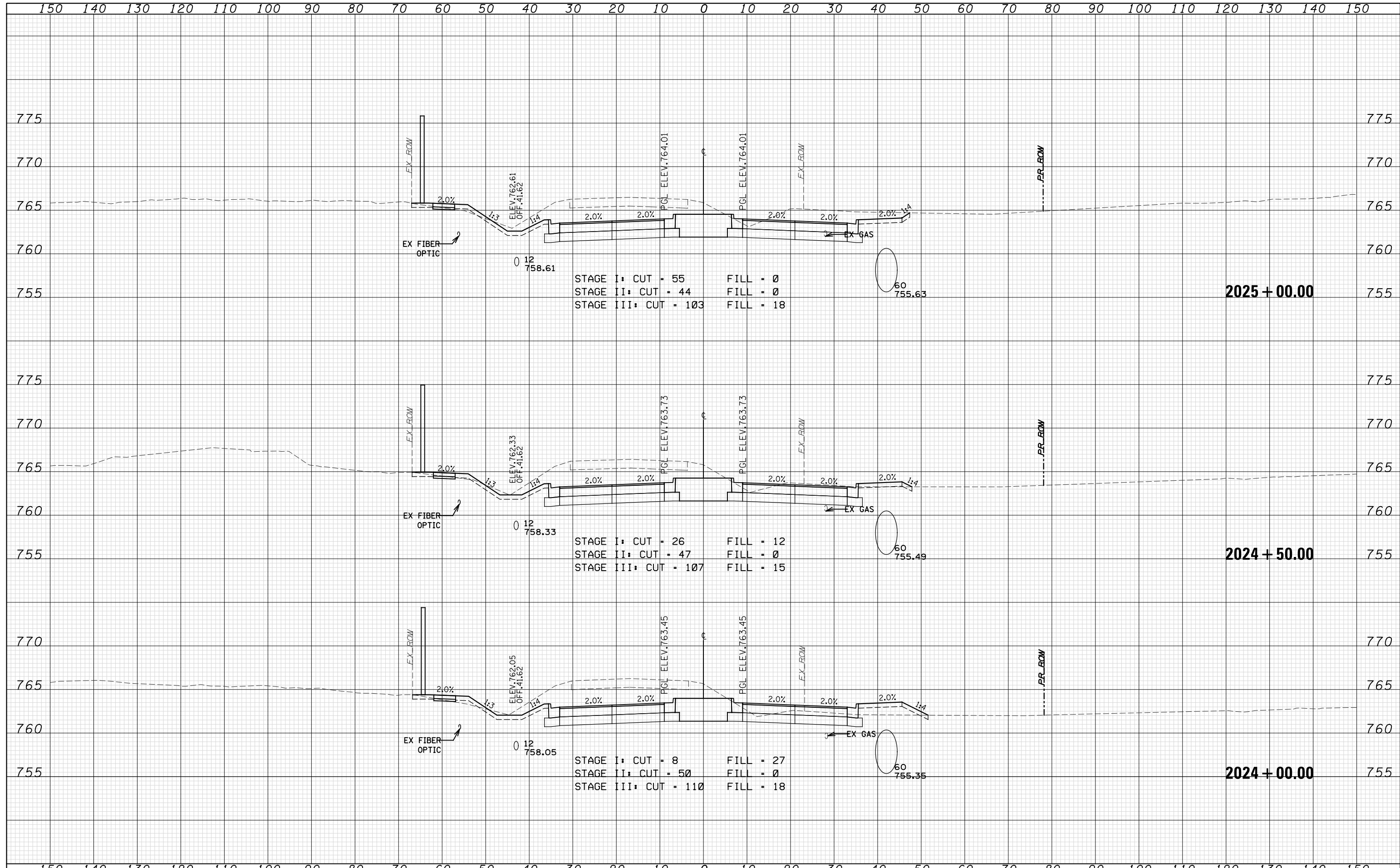
SCALE: SHEET NO. 192 OF 229 SHEETS STA. 2022+50.00 TO STA. 2023+50.00

BELL RD.
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	201
CONTRACT NO.			61A96	
ILLINOIS FED. AID PROJECT				

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

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



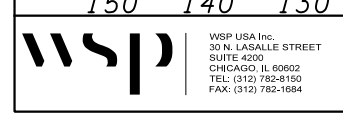
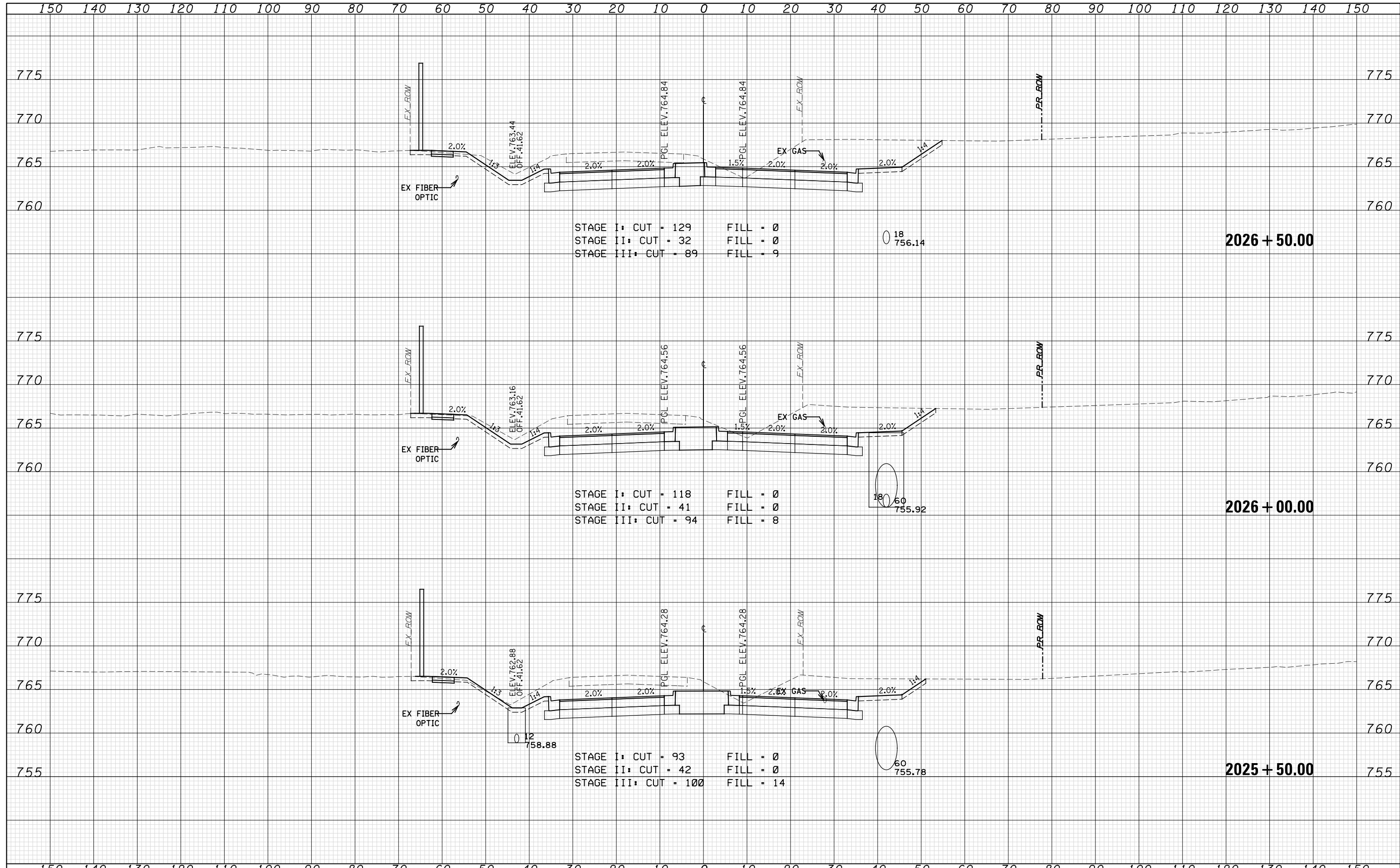
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 STAGE II: CUT = 44 FILL = 0
 STAGE III: CUT = 103 FILL = 18

STAGE I: CUT = 26 FILL = 12
 STAGE II: CUT = 47 FILL = 0
 STAGE III: CUT = 107 FILL = 15

STAGE I: CUT = 8 FILL = 27
 STAGE II: CUT = 50 FILL = 0
 STAGE III: CUT = 110 FILL = 18

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

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



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FILE NAME =
PLOT SCALE =
PLOT DATE = 07-FEB-2021 19:41

DESIGNED - N. LAGA
DRAWN - M. LAGA
CHECKED - D. SKALESKI
DATE - 10/04/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

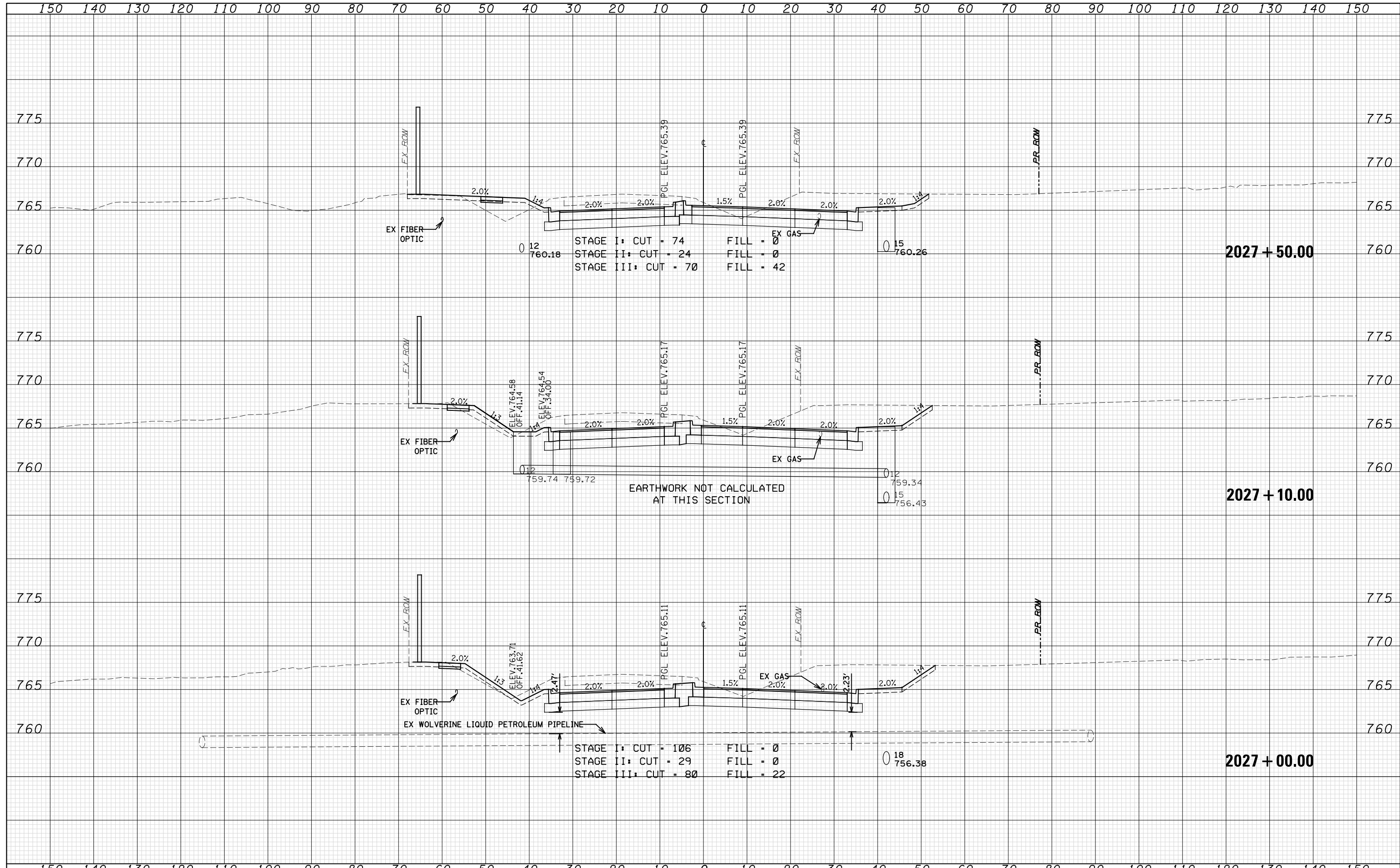
BELL RD.
CROSS SECTIONS

SCALE: SHEET NO. 194 OF 229 SHEETS STA. 2025+50.00 TO STA. 2026+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	203
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

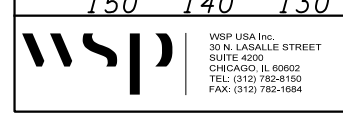
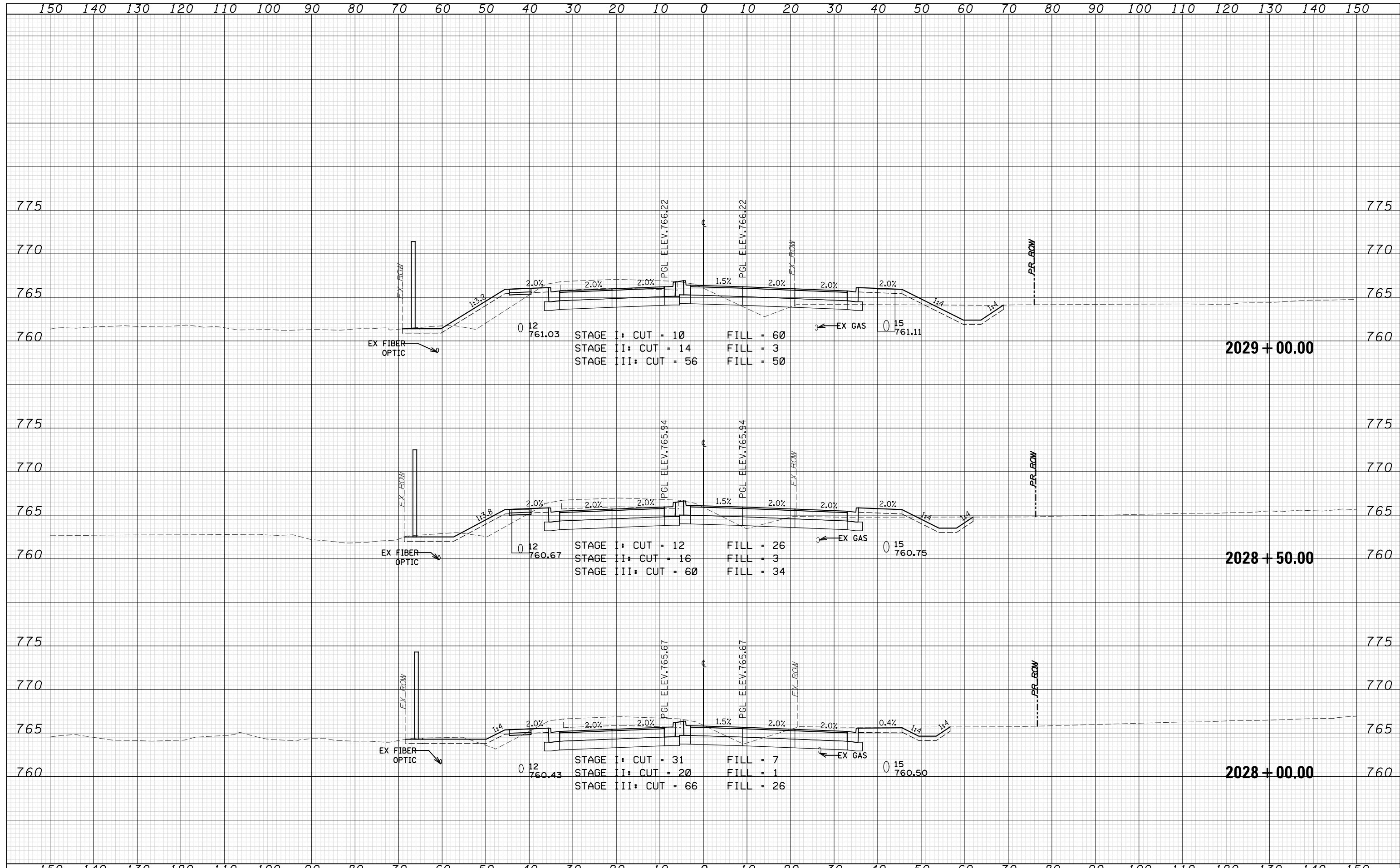
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



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

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



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SUITE 4200
CHICAGO, IL 60602
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USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

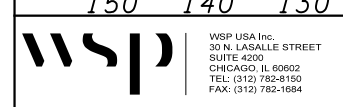
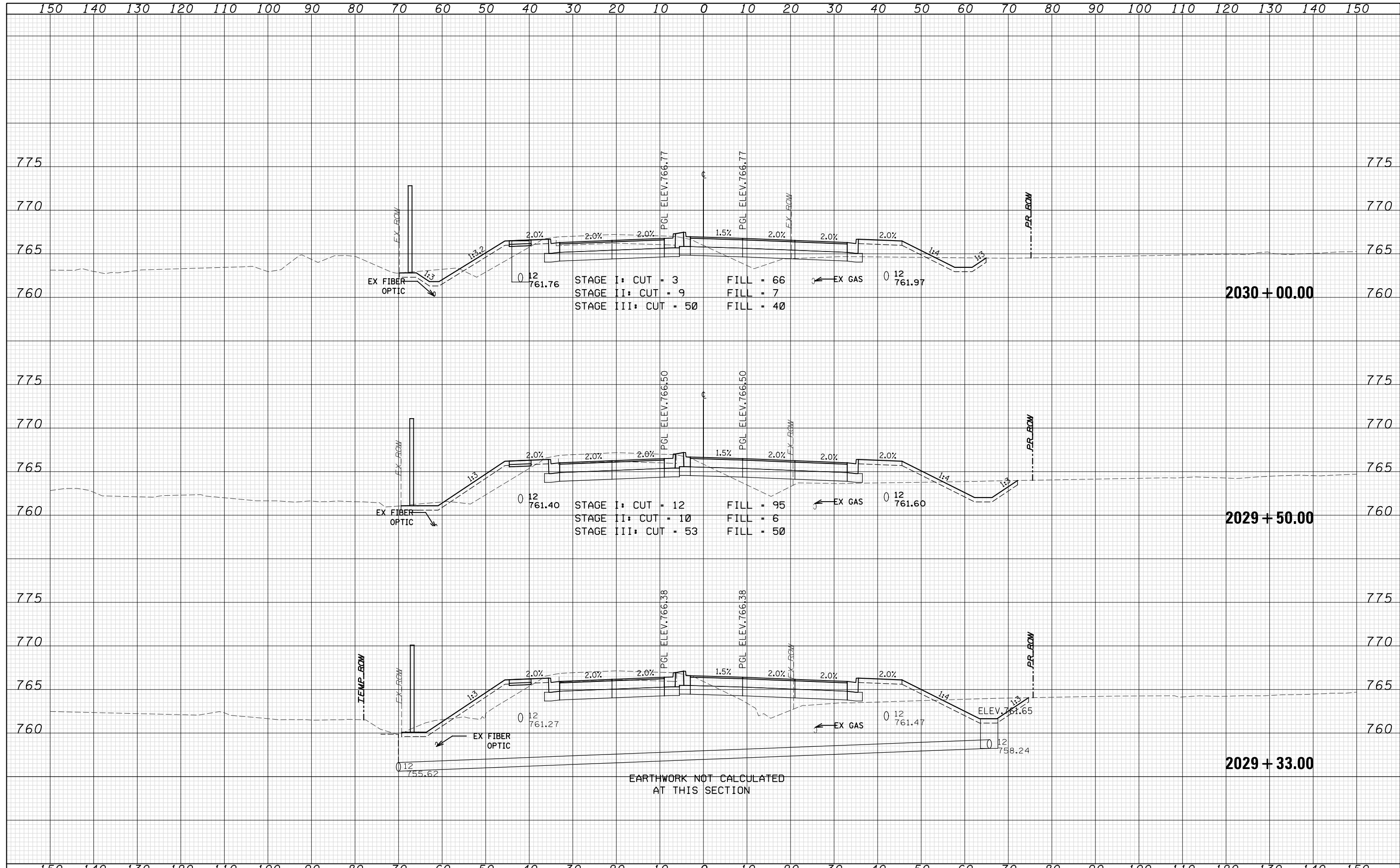
**BELL RD.
CROSS SECTIONS**

SCALE: SHEET NO. 196 OF 229 SHEETS STA. 2028+00.00 TO STA. 2029+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	205
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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



USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

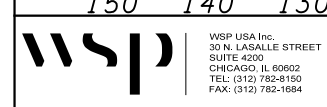
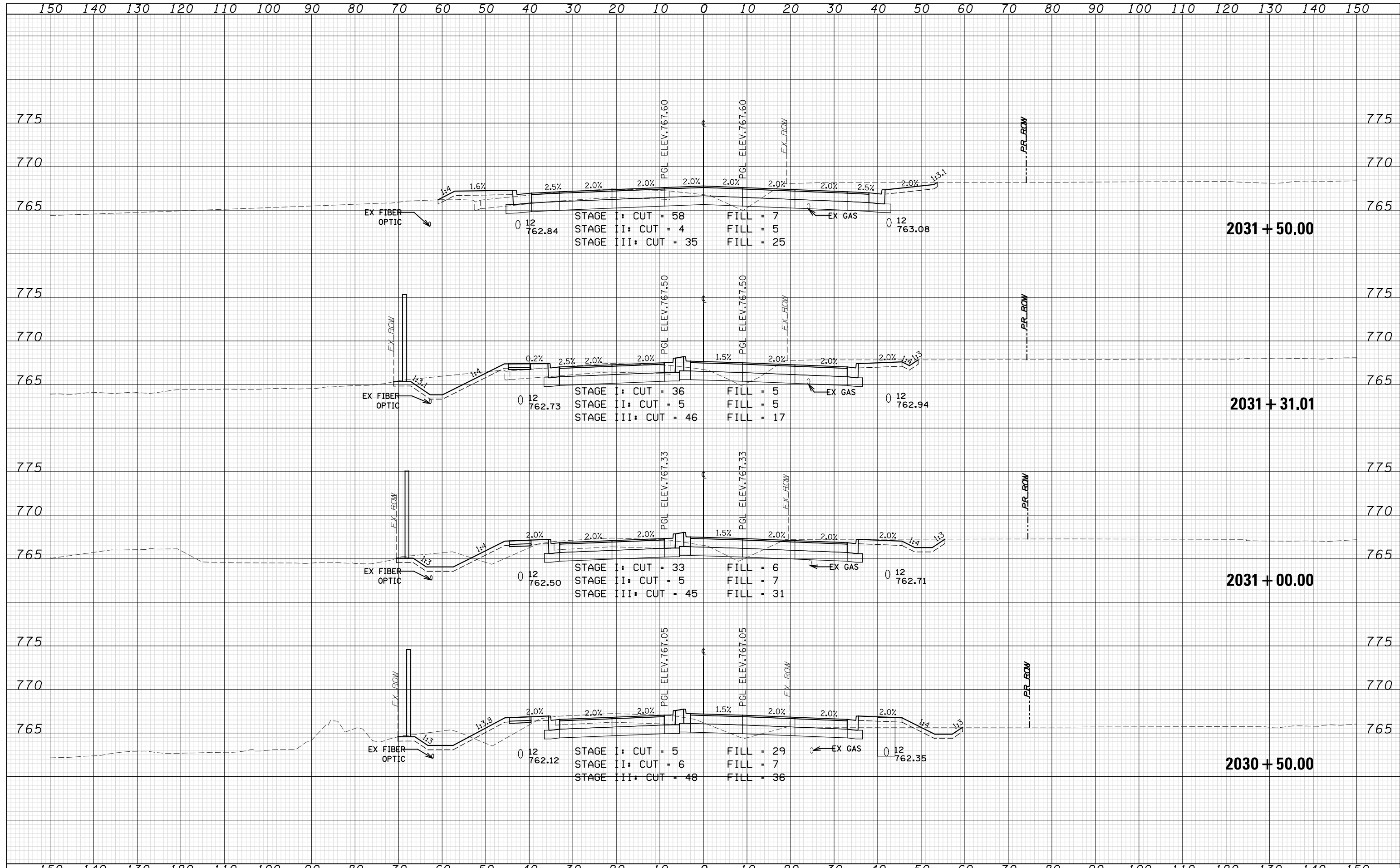
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BELL RD. CROSS SECTIONS	
SCALE:	SHEET NO. 197 OF 229 SHEETS STA. 2029+33.00 TO STA. 2030+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	206
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

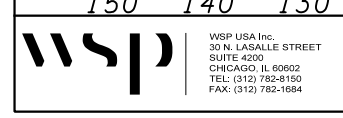
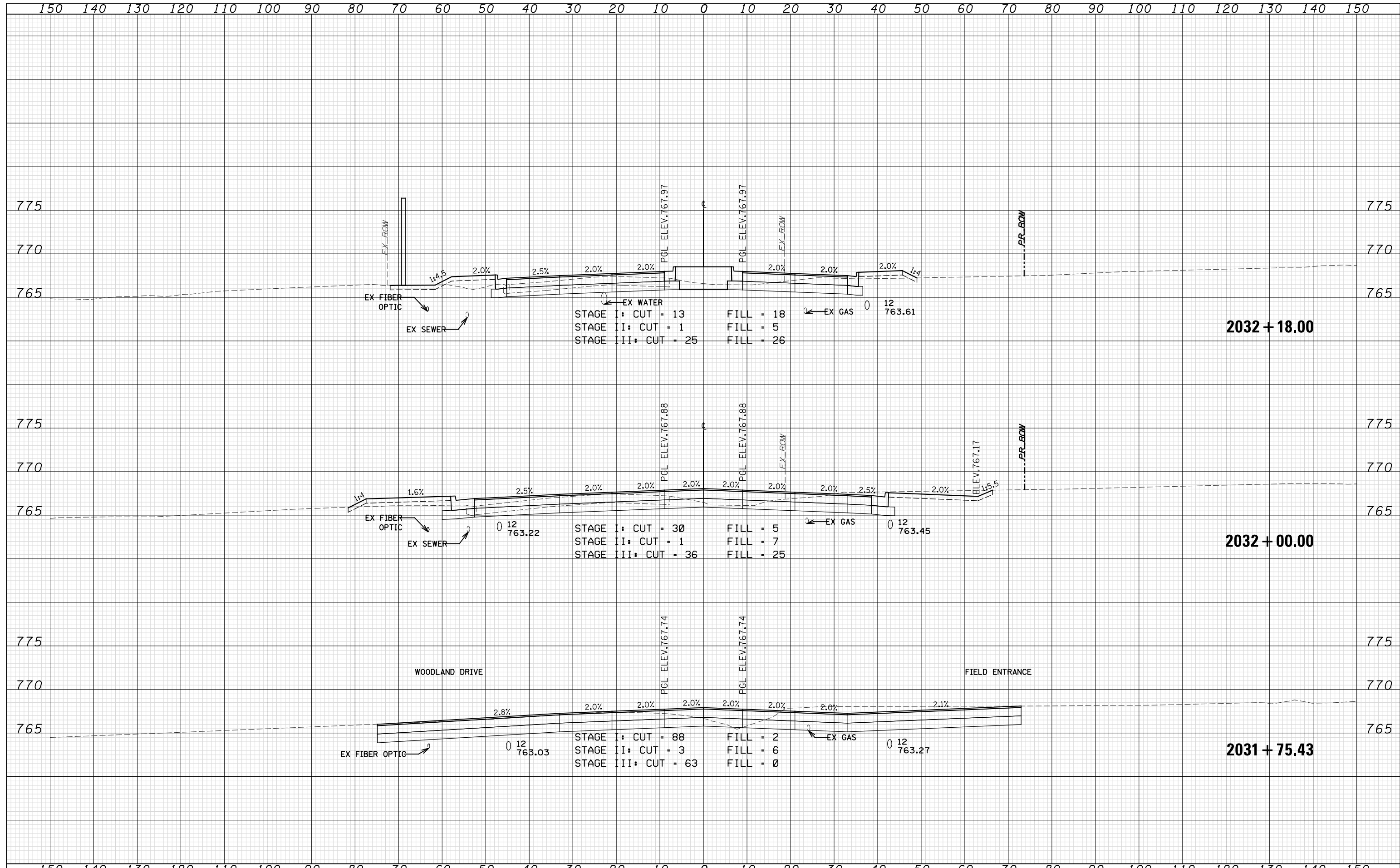
**BELL RD.
 CROSS SECTIONS**

SCALE: SHEET NO. 198 OF 229 SHEETS STA. 2030+50.00 TO STA. 2031+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	207
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



USER NAME =	DESIGNED - <i>N. LAGA</i>	REVISED -
FILE NAME =	DRAWN - <i>N. LAGA</i>	REVISED -
PLOT SCALE =	CHECKED - <i>D. SKALESKI</i>	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

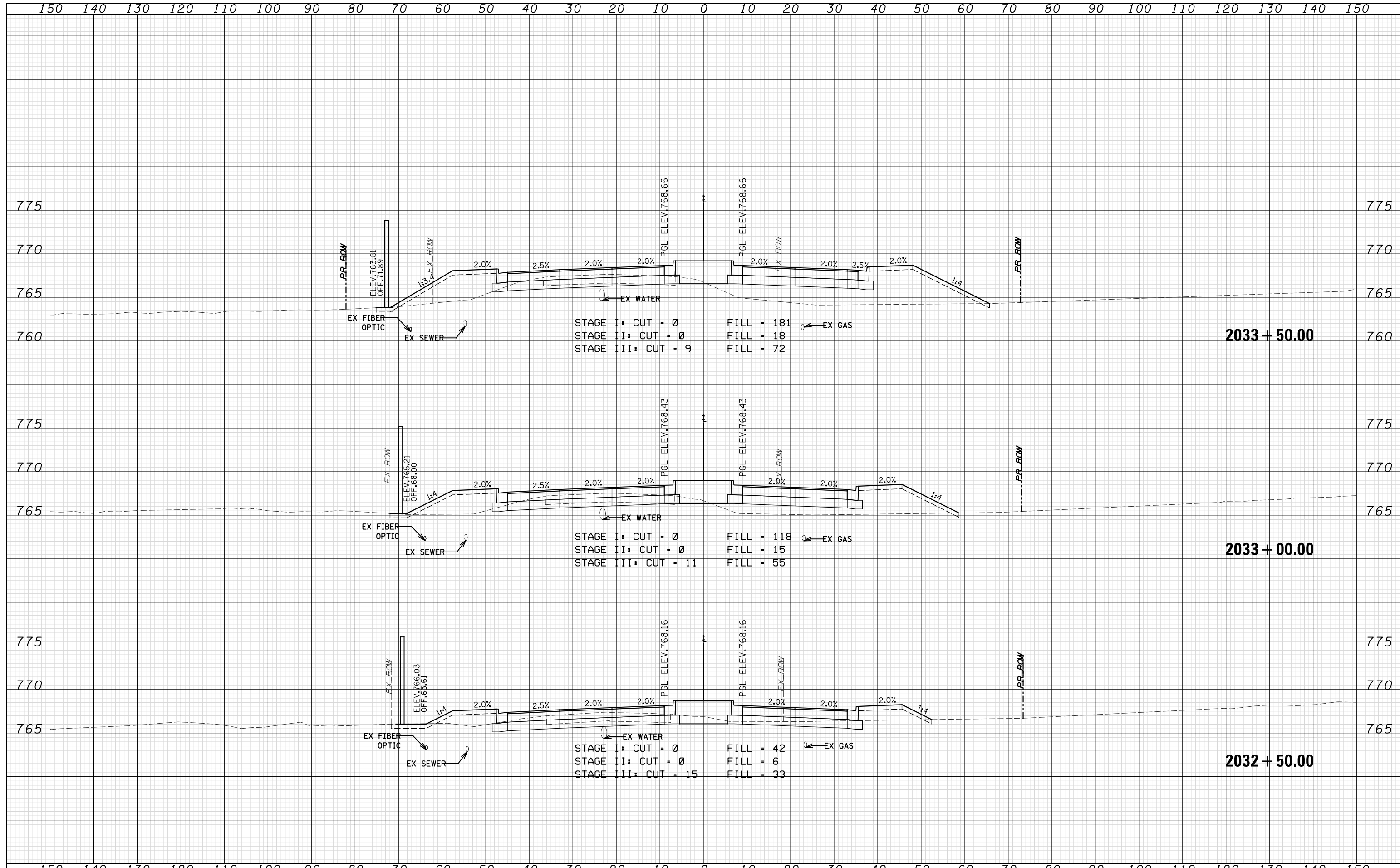
**BELL RD.
CROSS SECTIONS**

SCALE: SHEET NO. 199 OF 229 SHEETS STA. 2031+75.43 TO STA. 2032+18.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	208
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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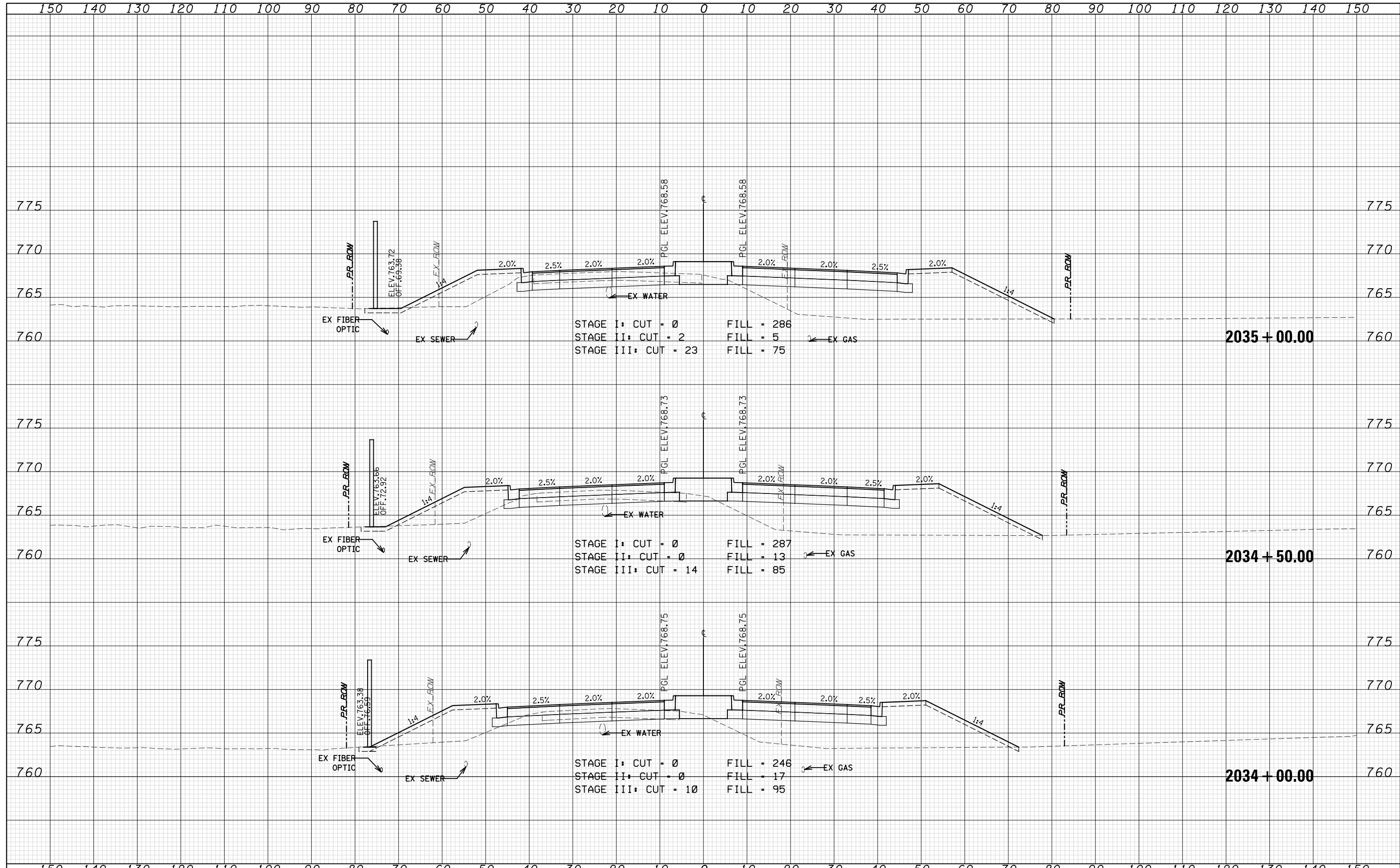
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



	WSP USA Inc. 30 N. LASALLE STREET SUITE 400 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:41	DESIGNED - N. LAGA DRAWN - N. LAGA CHECKED - D. SKALESKI DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BELL RD. CROSS SECTIONS	SCALE: SHEET NO. 200 OF 229 SHEETS STA. 2032+50.00 TO STA. 2033+50.00	F.A.P. RTE. 0356 SECTION 99-00147-07-FP COUNTY WILL CONTRACT NO. 61A96	TOTAL SHEETS 229 SHEET NO. 209	ILLINOIS FED. AID PROJECT
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DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

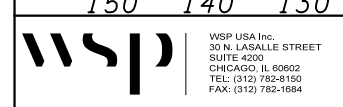
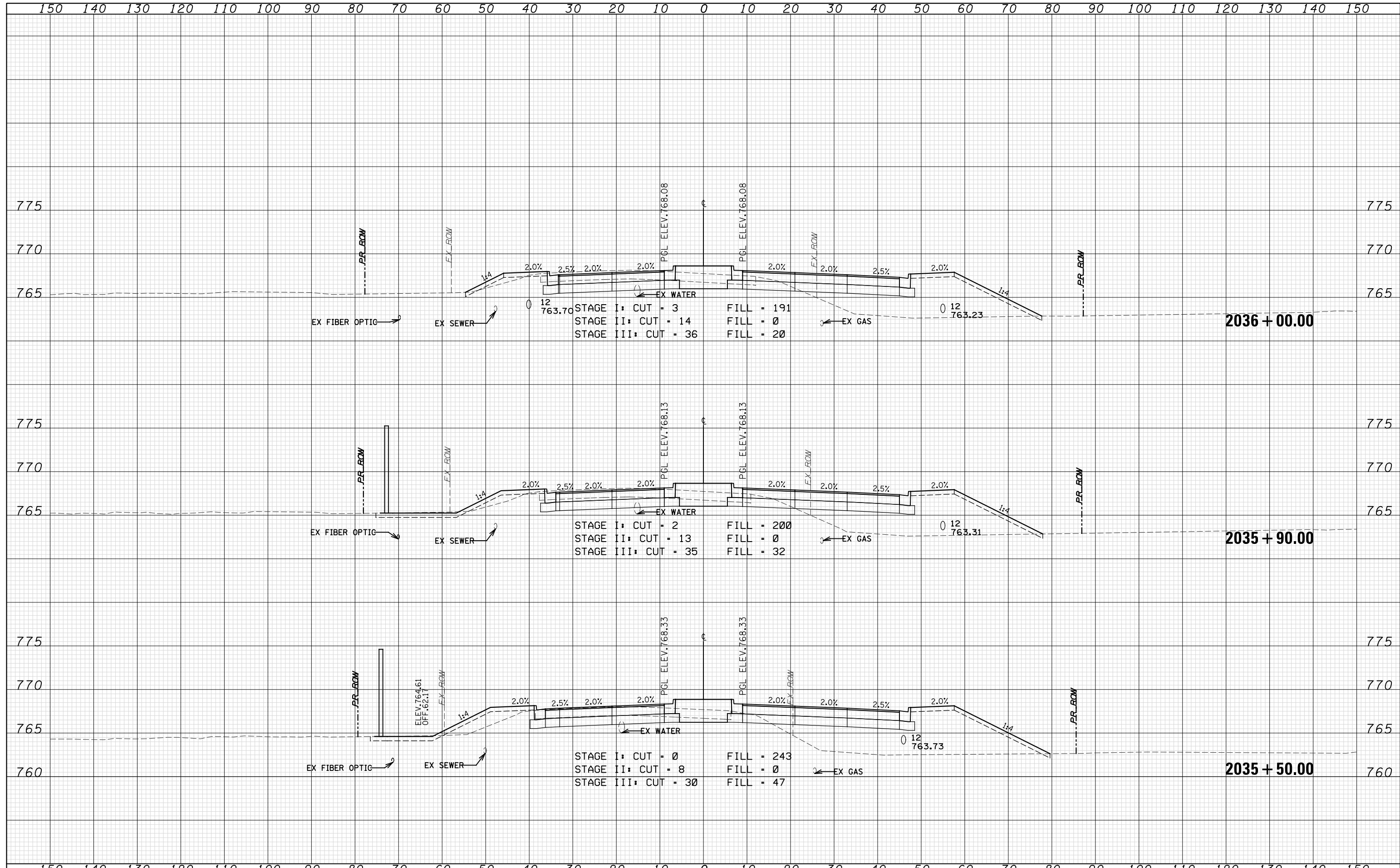
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:41	DESIGNED - N. LAGA DRAWN - N. LAGA CHECKED - D. SKALESKI DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BELL RD. CROSS SECTIONS	SCALE: SHEET NO. 201 OF 229 SHEETS STA. 2034+00.00 TO STA. 2035+00.00	F.A.P. RTE. 0356 SECTION 99-00147-07-FP COUNTY WILL CONTRACT NO. 61A96	TOTAL SHEETS 229 SHEET NO. 210	ILLINOIS FED. AID PROJECT
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

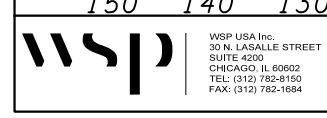
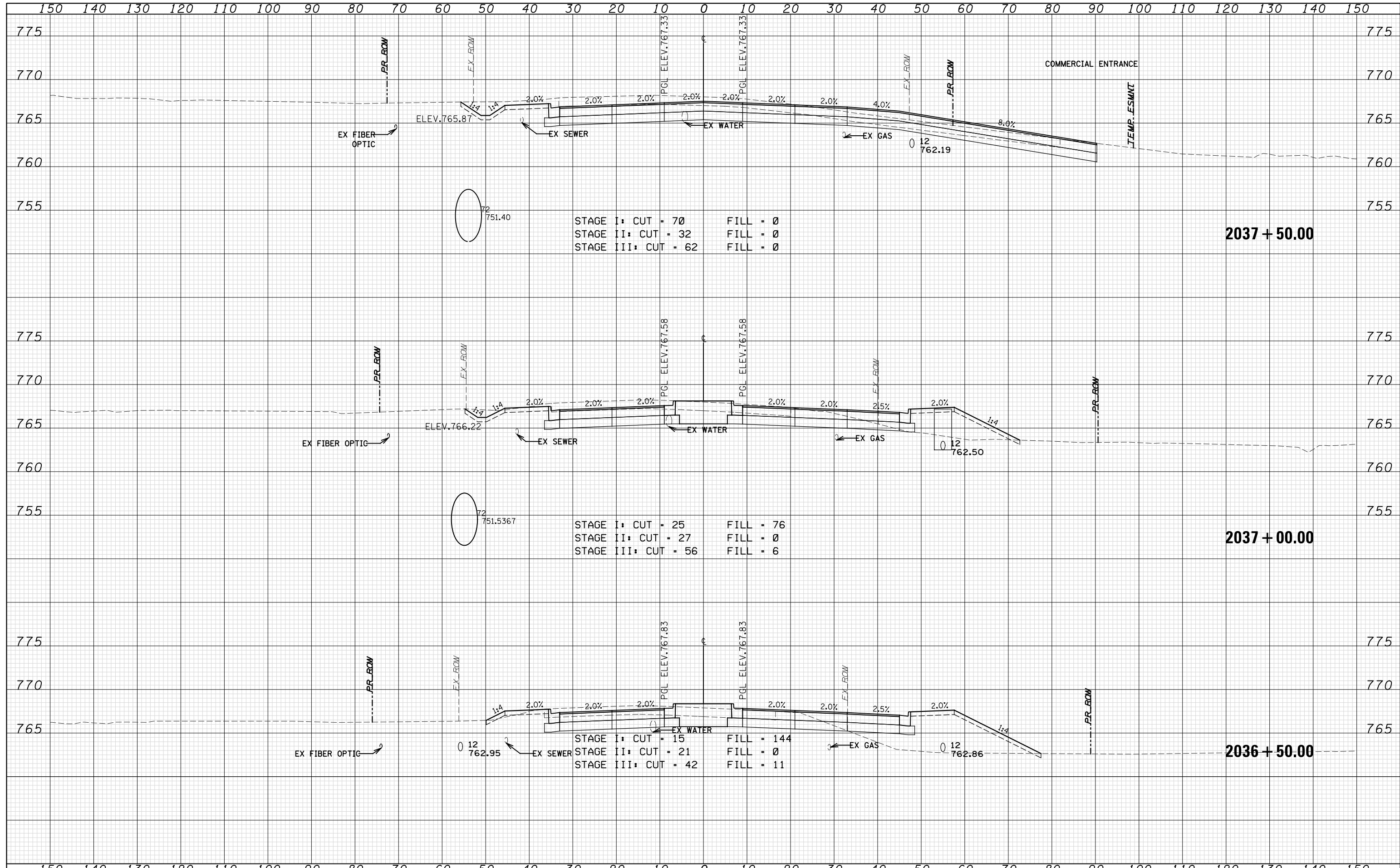
**BELL RD.
 CROSS SECTIONS**

SCALE: SHEET NO. 202 OF 229 SHEETS STA. 2035+50.00 TO STA. 2036+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	211
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

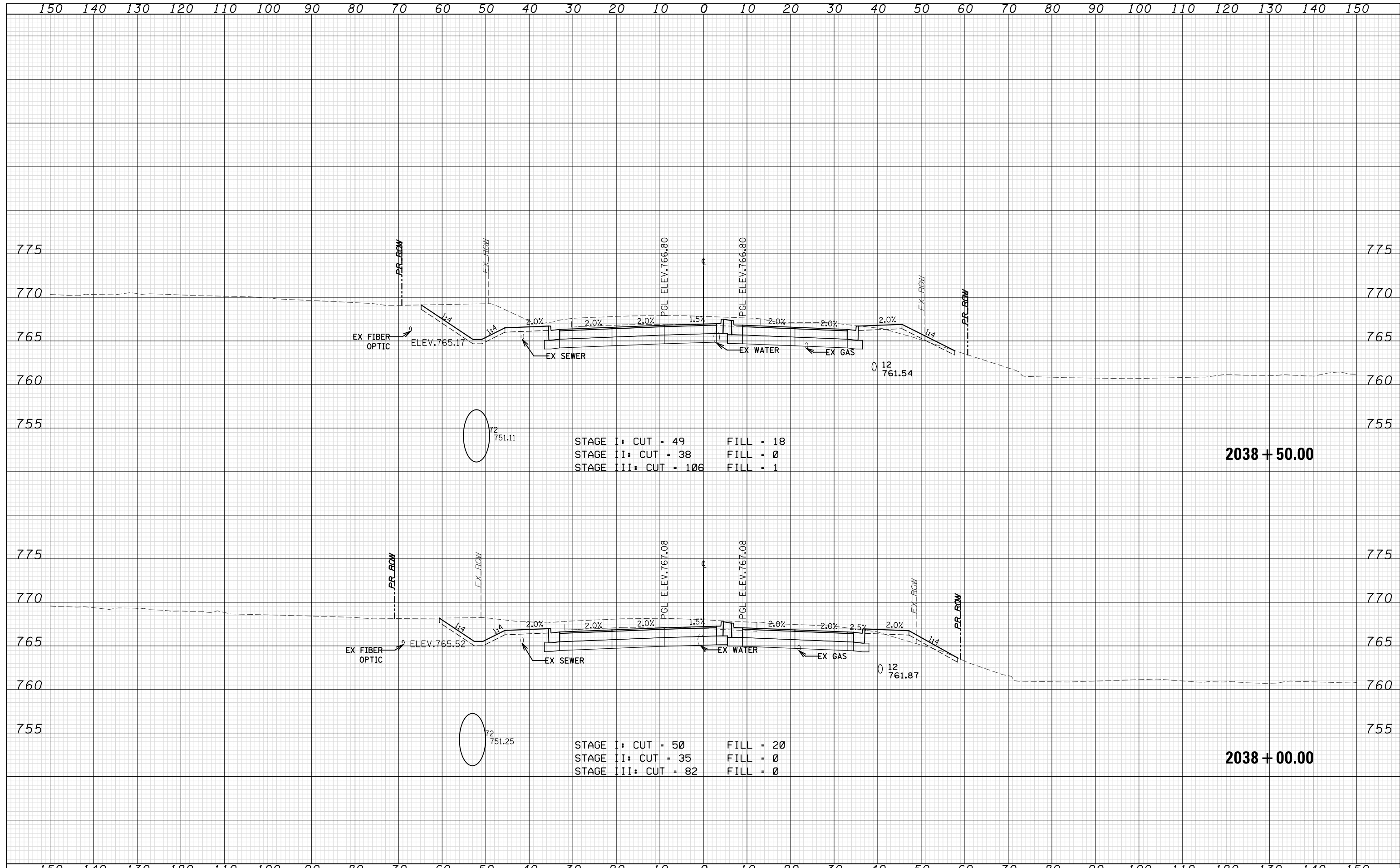
BELL RD.
CROSS SECTIONS

SCALE: SHEET NO. 203 OF 229 SHEETS STA. 2036+50.00 TO STA. 2037+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	212
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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

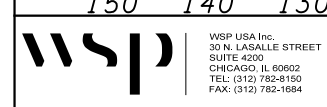


STAGE I: CUT = 49 FILL = 18
 STAGE II: CUT = 38 FILL = 0
 STAGE III: CUT = 106 FILL = 1

2038 + 50.00

STAGE I: CUT = 50 FILL = 20
 STAGE II: CUT = 35 FILL = 0
 STAGE III: CUT = 82 FILL = 0

2038 + 00.00



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
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USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

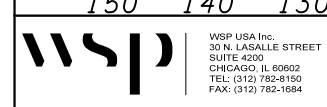
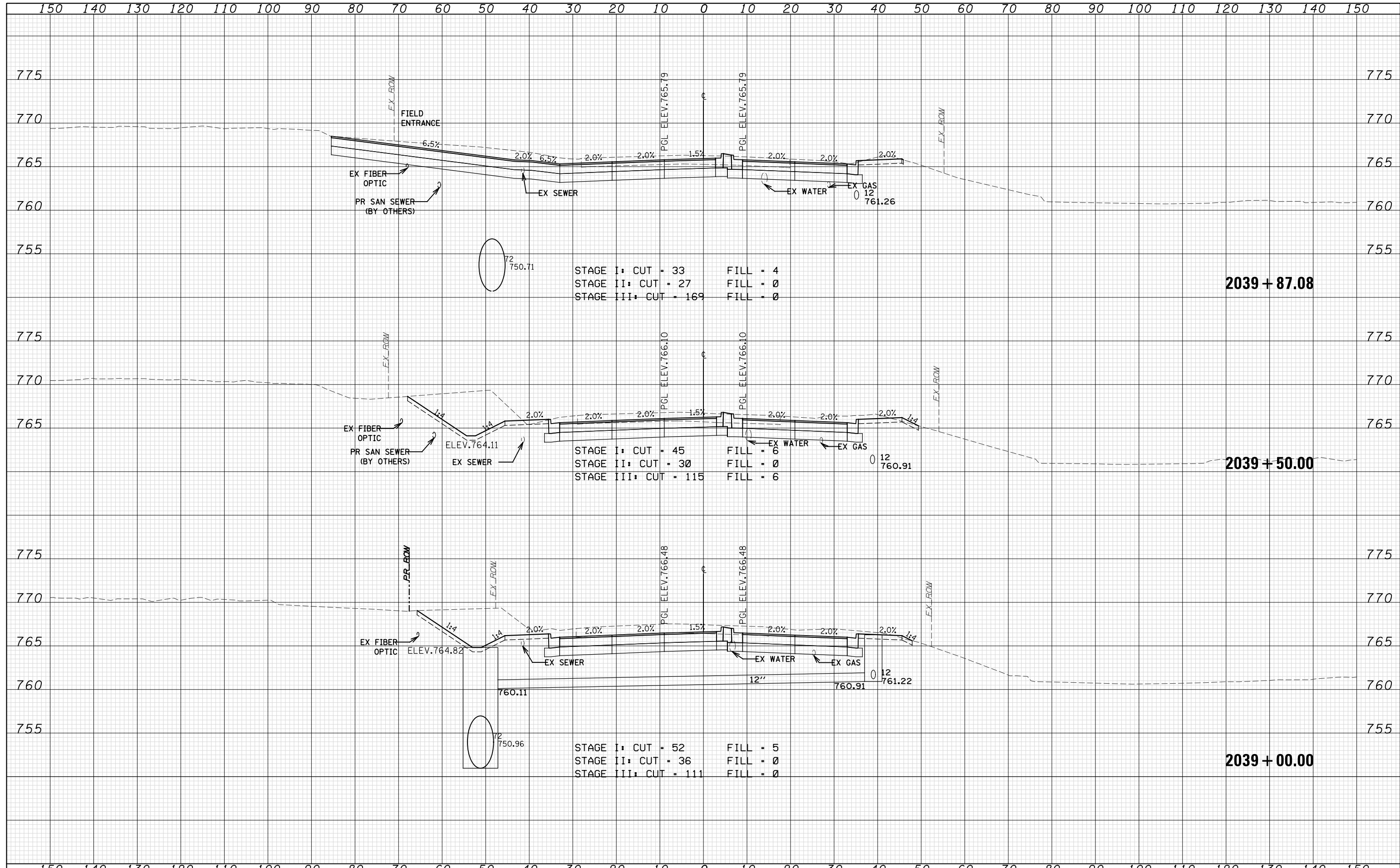
**BELL RD.
 CROSS SECTIONS**

SCALE: SHEET NO. 204 OF 229 SHEETS STA. 2038+00.00 TO STA. 2038+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	213
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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



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FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

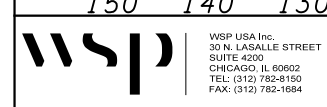
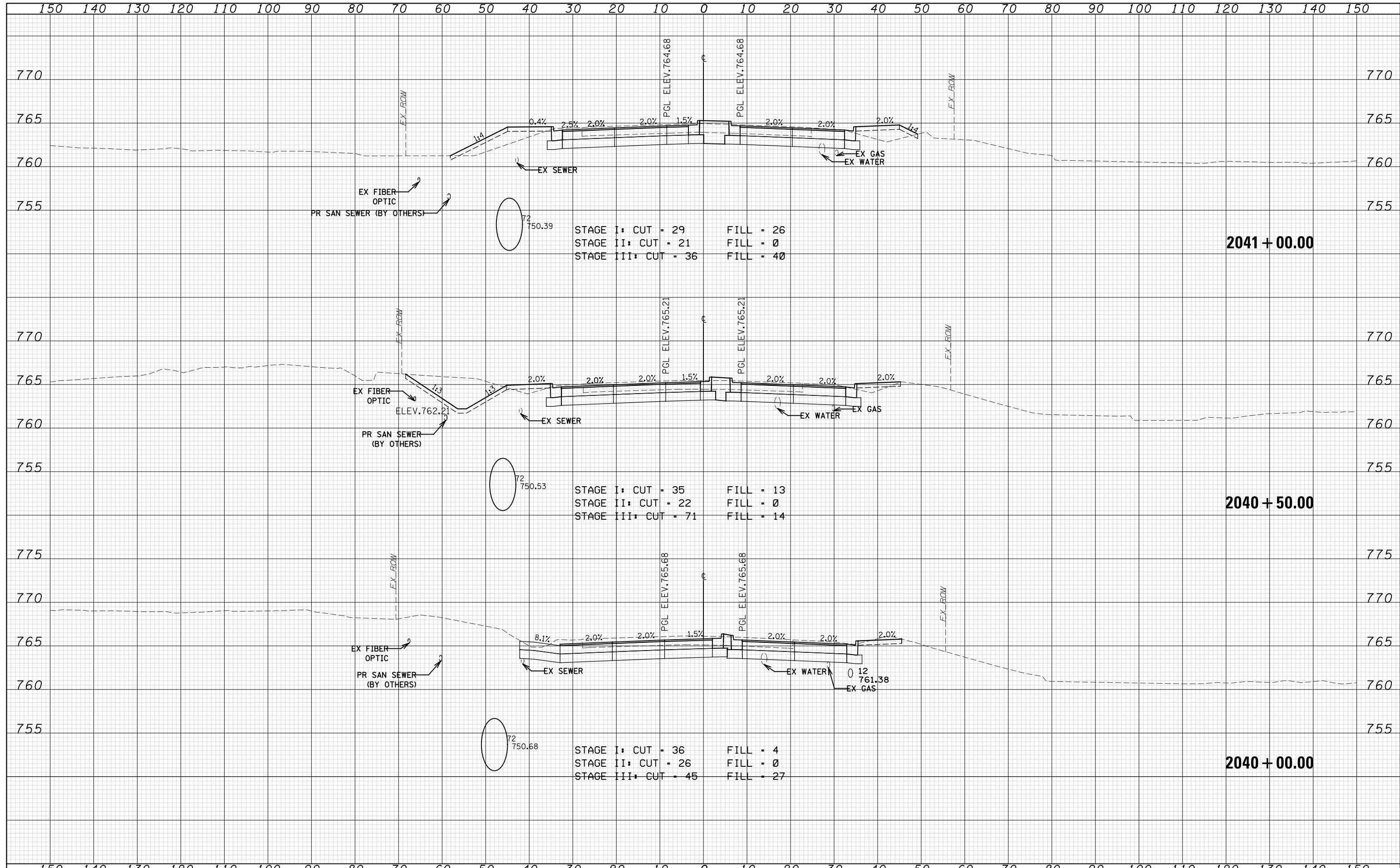
BELL RD.
CROSS SECTIONS

SCALE: SHEET NO. 205 OF 229 SHEETS STA. 2039+00.00 TO STA. 2039+87.08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	214
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

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



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USER NAME =	DESIGNED - <i>N. LAGA</i>	REVISED -
FILE NAME =	DRAWN - <i>N. LAGA</i>	REVISED -
PLOT SCALE =	CHECKED - <i>D. SKALESKI</i>	REVISED -
PLOT DATE = 07-FEB-2021 19:41	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

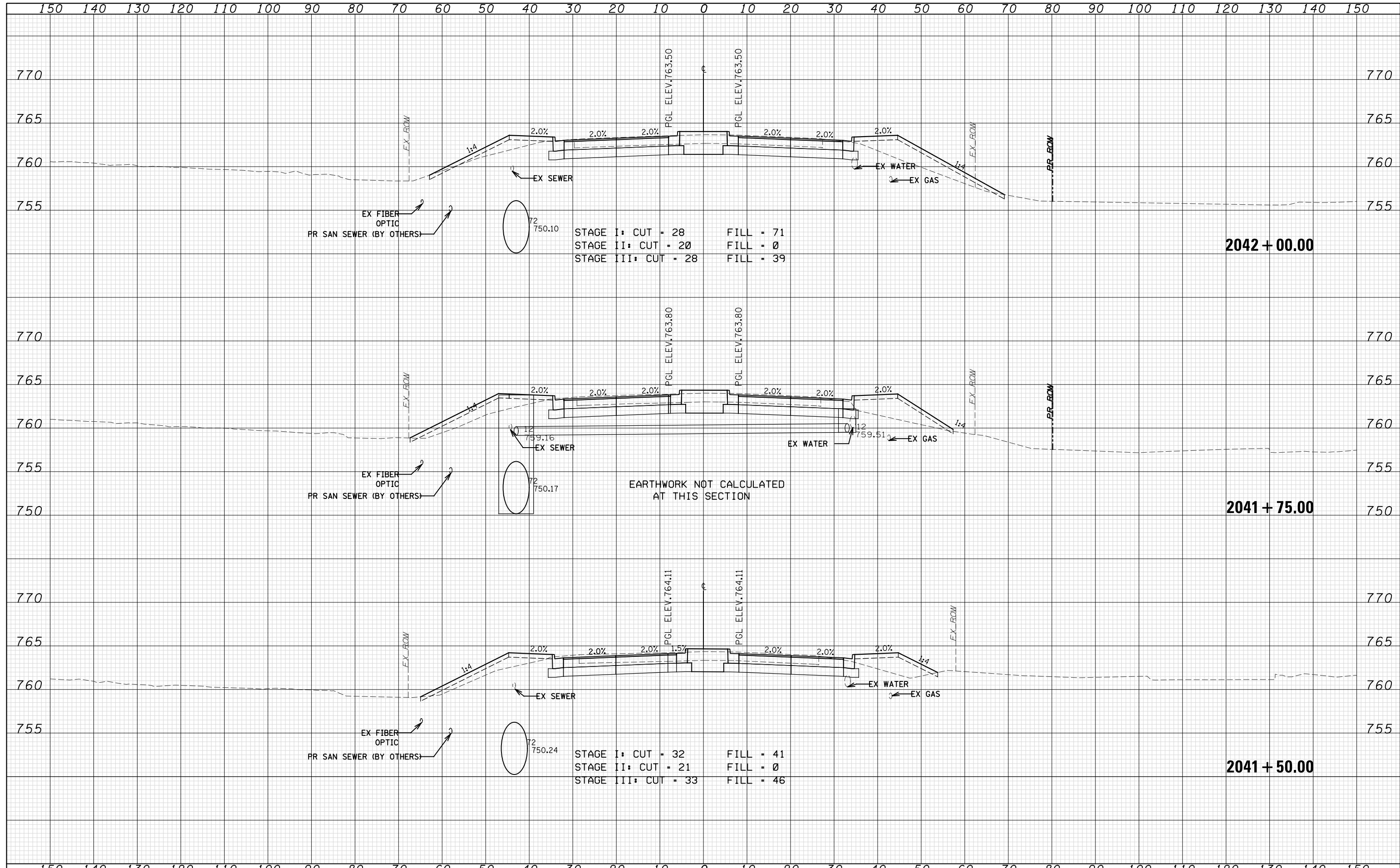
**BELL RD.
 CROSS SECTIONS**

SCALE: SHEET NO. 206 OF 229 SHEETS STA. 2040+00.00 TO STA. 2041+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	215
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

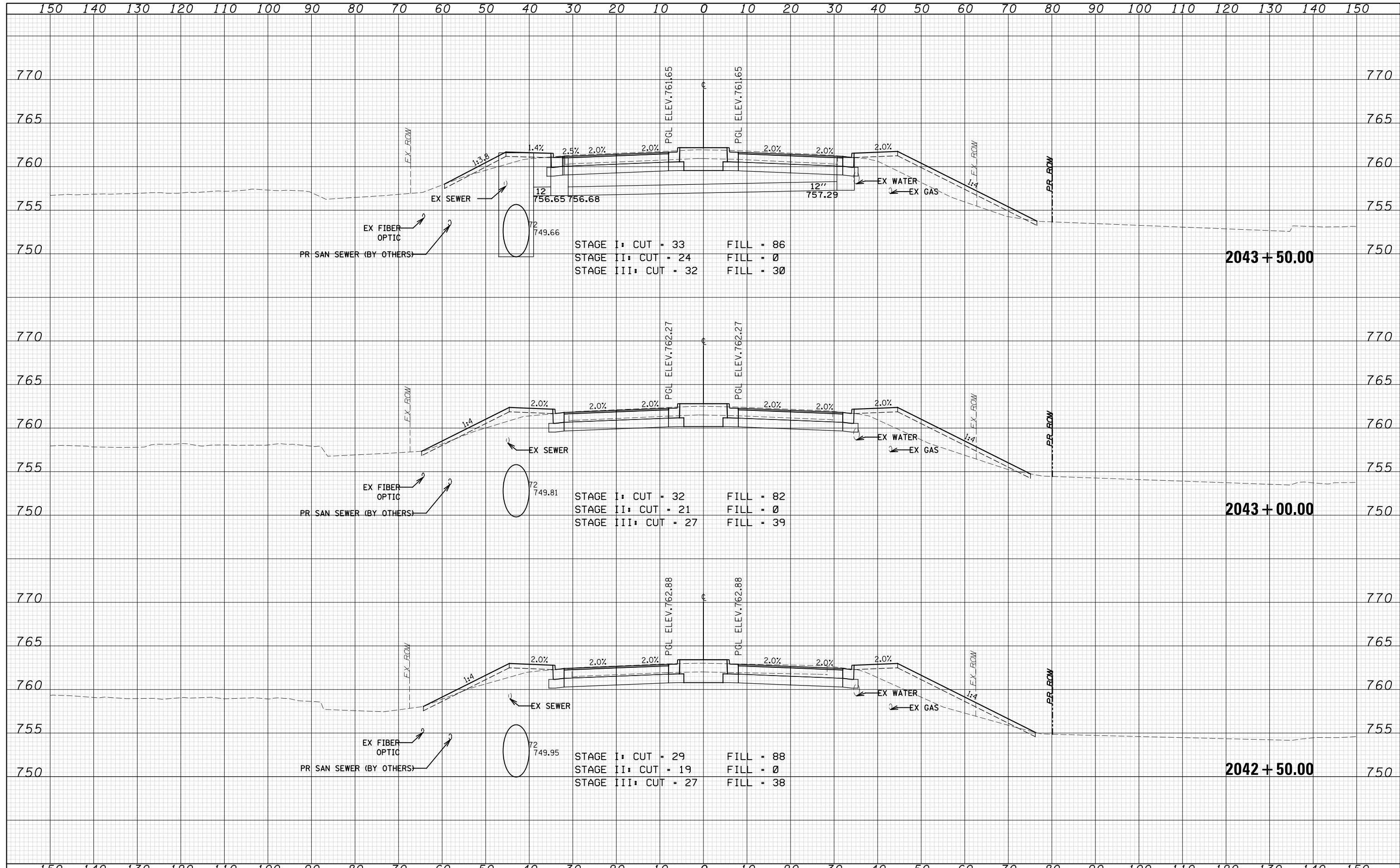
DATE	
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FINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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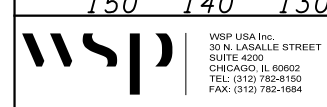
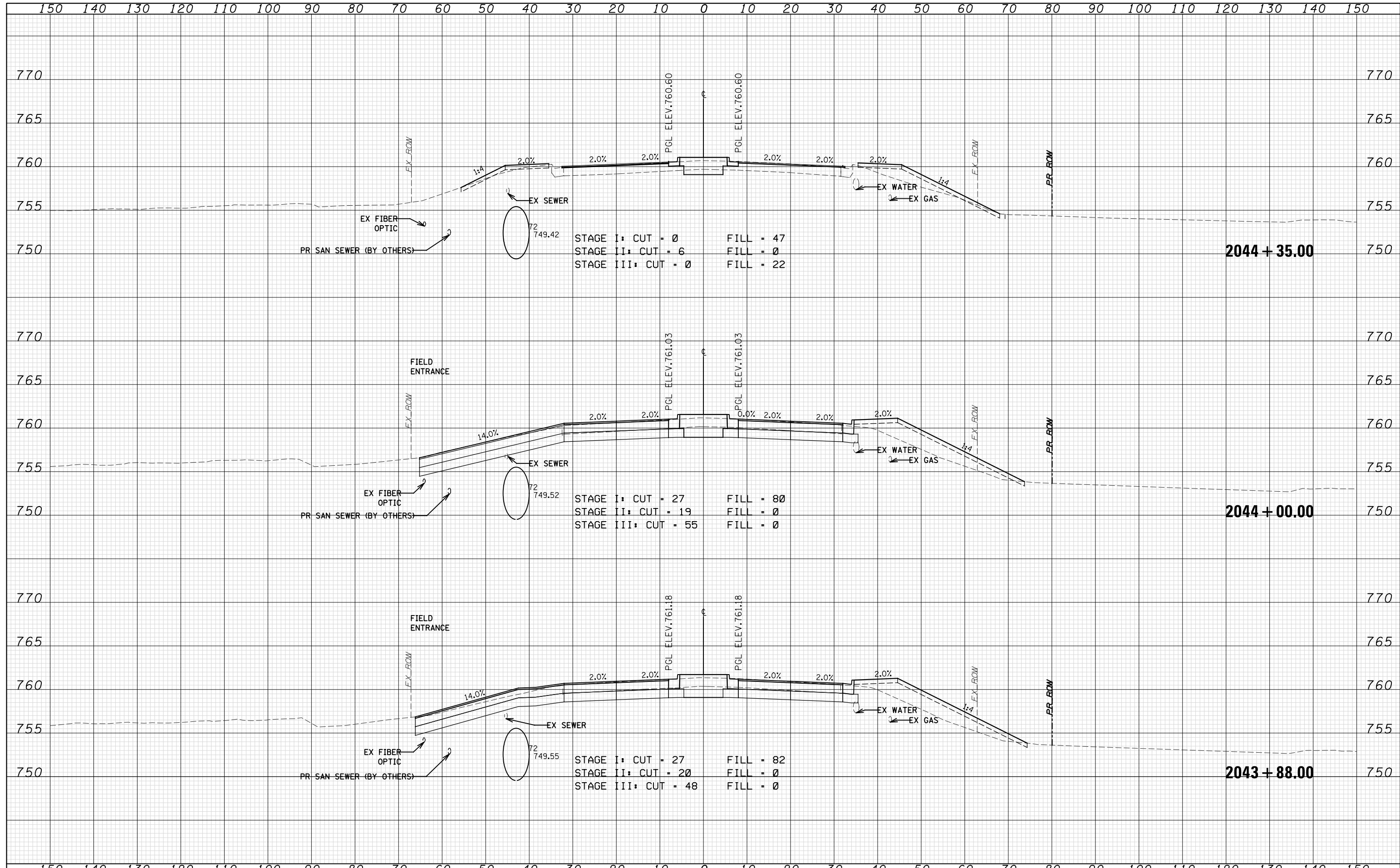
STAGE I: CUT = 33 FILL = 86
 STAGE II: CUT = 24 FILL = 0
 STAGE III: CUT = 32 FILL = 30

STAGE I: CUT = 32 FILL = 82
 STAGE II: CUT = 21 FILL = 0
 STAGE III: CUT = 27 FILL = 39

STAGE I: CUT = 29 FILL = 88
 STAGE II: CUT = 19 FILL = 0
 STAGE III: CUT = 27 FILL = 38

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

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



WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - N. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

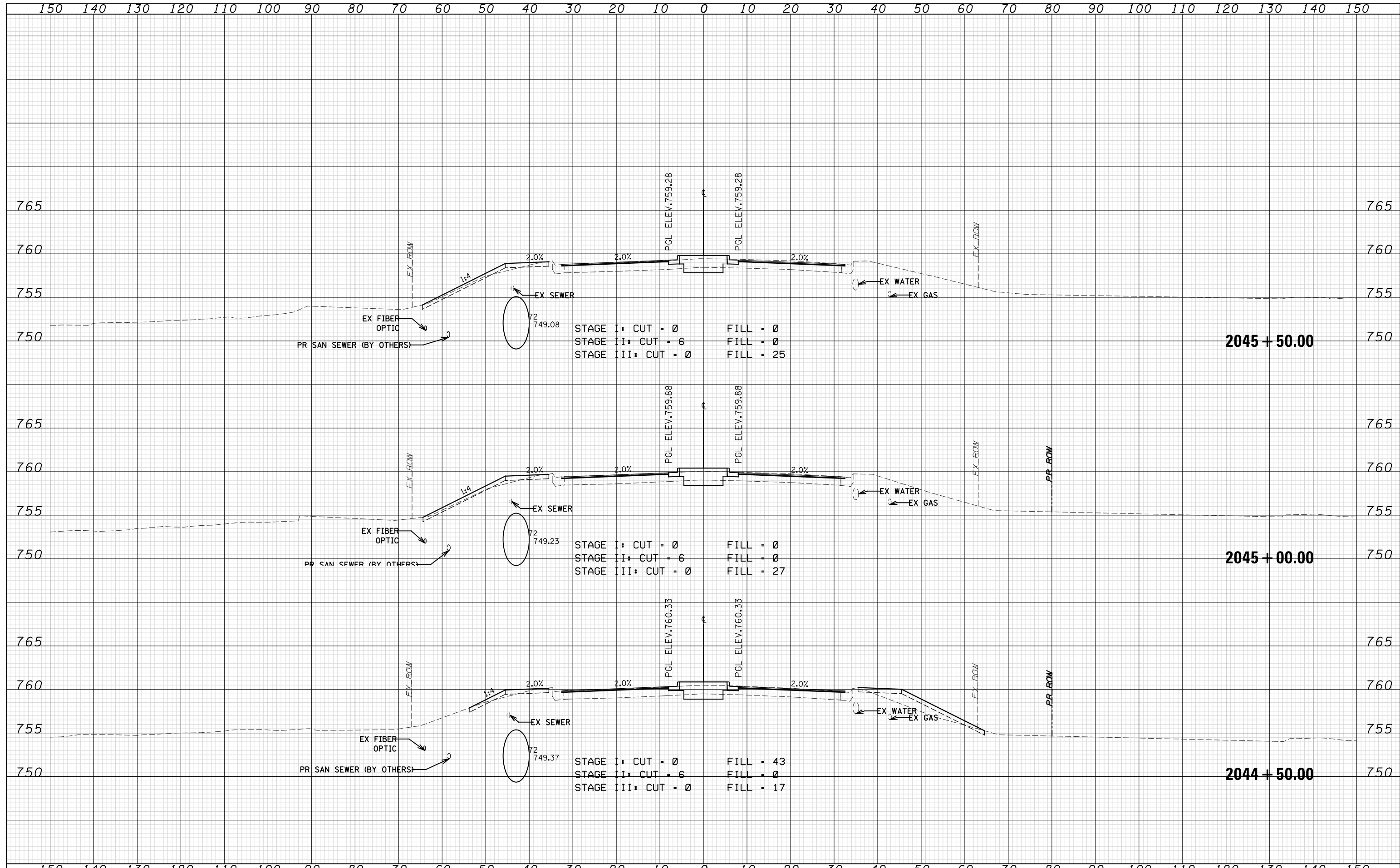
**BELL RD.
CROSS SECTIONS**

SCALE: SHEET NO. 209 OF 229 SHEETS STA. 2043+88.00 TO STA. 2044+35.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	218
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

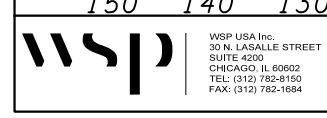
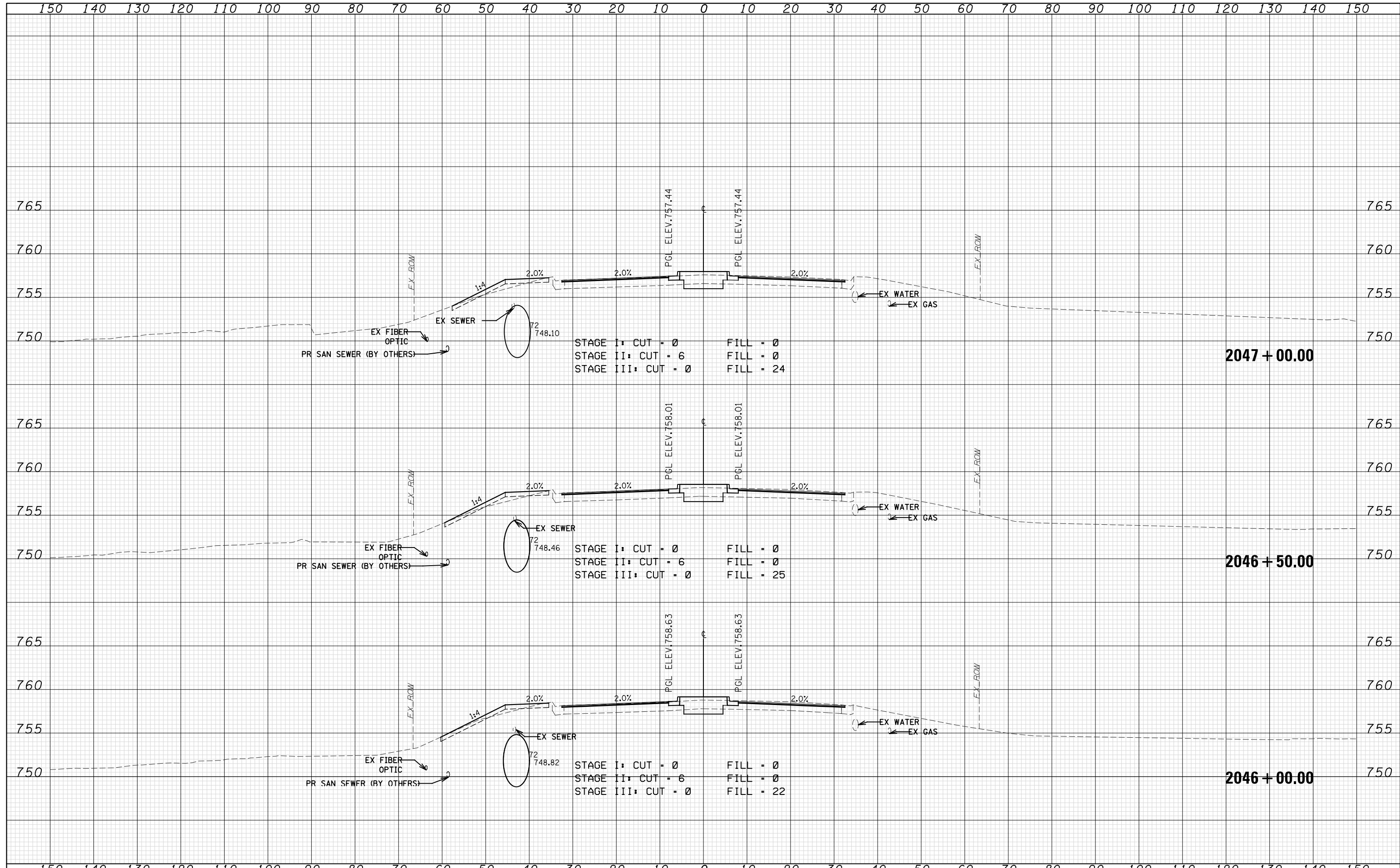
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

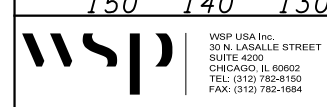
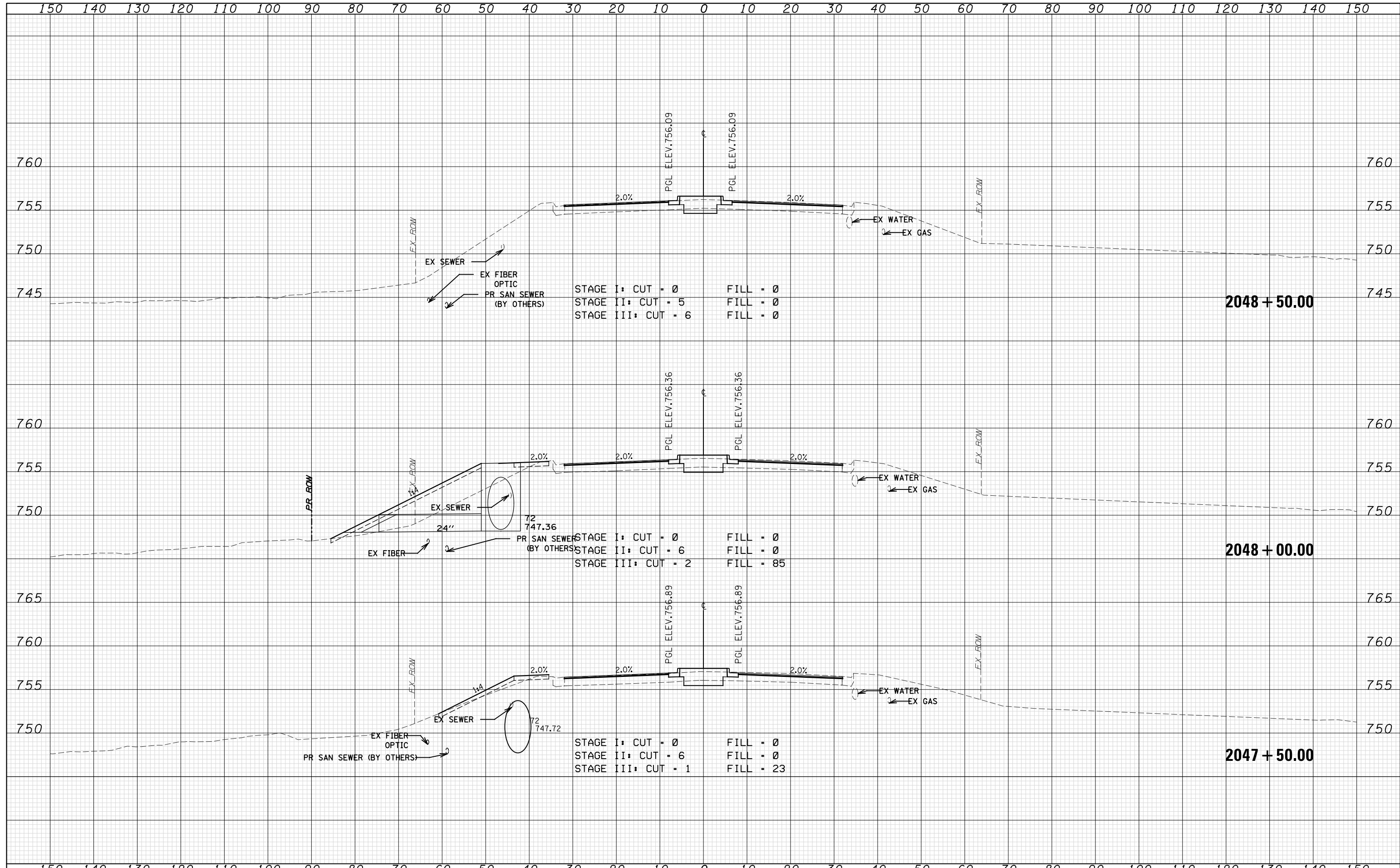
BELL RD.
CROSS SECTIONS

SCALE: SHEET NO. 211 OF 229 SHEETS STA. 2046+00.00 TO STA. 2047+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	220
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

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

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



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4200
 CHICAGO, IL 60602
 TEL: (312) 782-8150
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USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - N. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

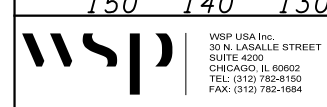
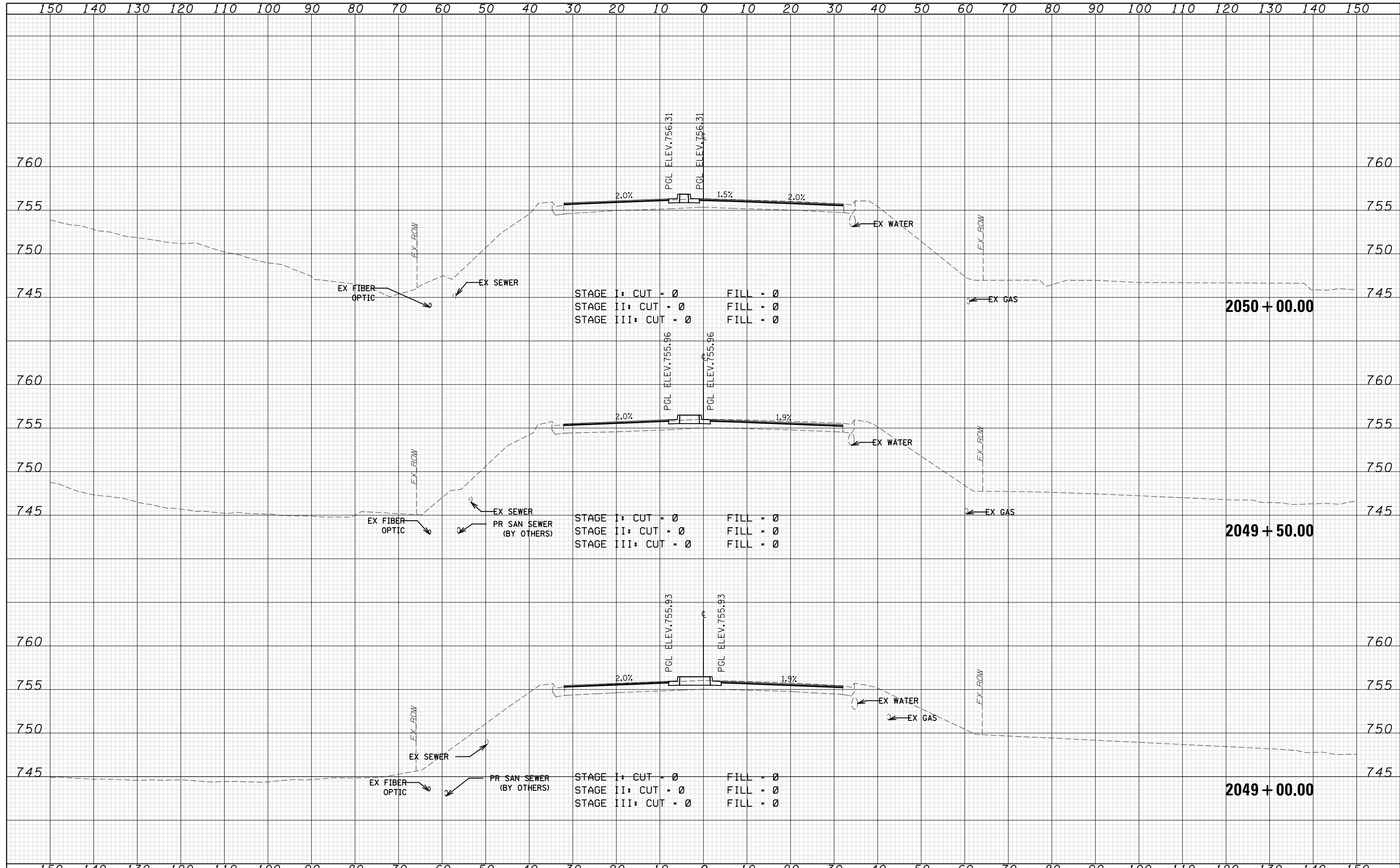
**BELL RD.
 CROSS SECTIONS**

SCALE: SHEET NO. 212 OF 229 SHEETS STA. 2047+50.00 TO STA. 2048+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	221
CONTRACT NO. 61A96				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
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USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - N. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BELL RD.
CROSS SECTIONS

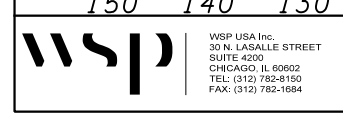
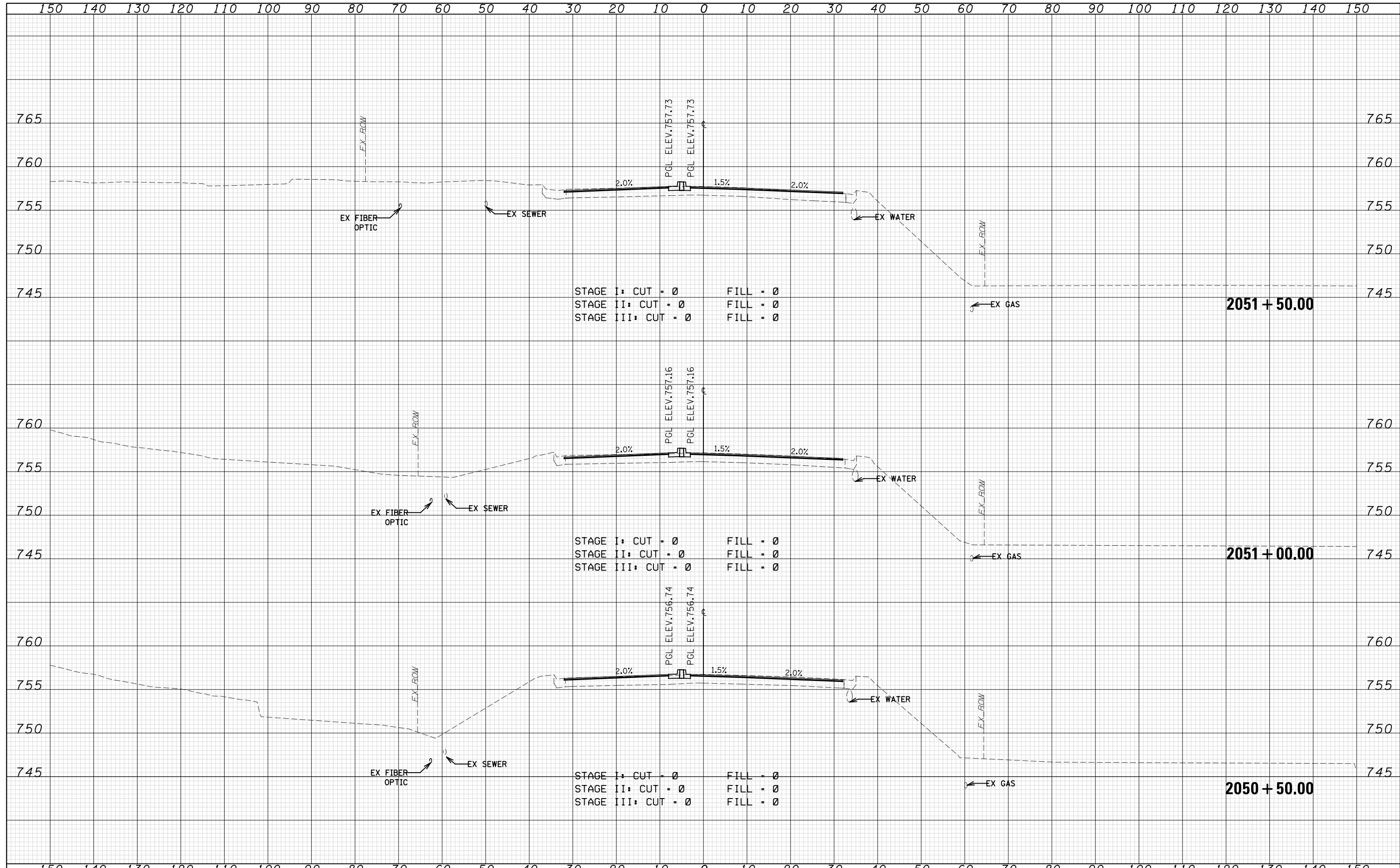
SCALE: SHEET NO. 213 OF 229 SHEETS STA. 2049+00.00 TO STA. 2050+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	222
CONTRACT NO. 61A96				

ILLINOIS FED. AID PROJECT

DATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
SURVEYED	
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ORIGINAL SURVEY	
NOTE BOOK	
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4200
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME =
FILE NAME =
PLOT SCALE =
PLOT DATE = 07-FEB-2021 19:42

DESIGNED - N. LAGA
DRAWN - M. LAGA
CHECKED - D. SKALESKI
DATE - 10/04/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

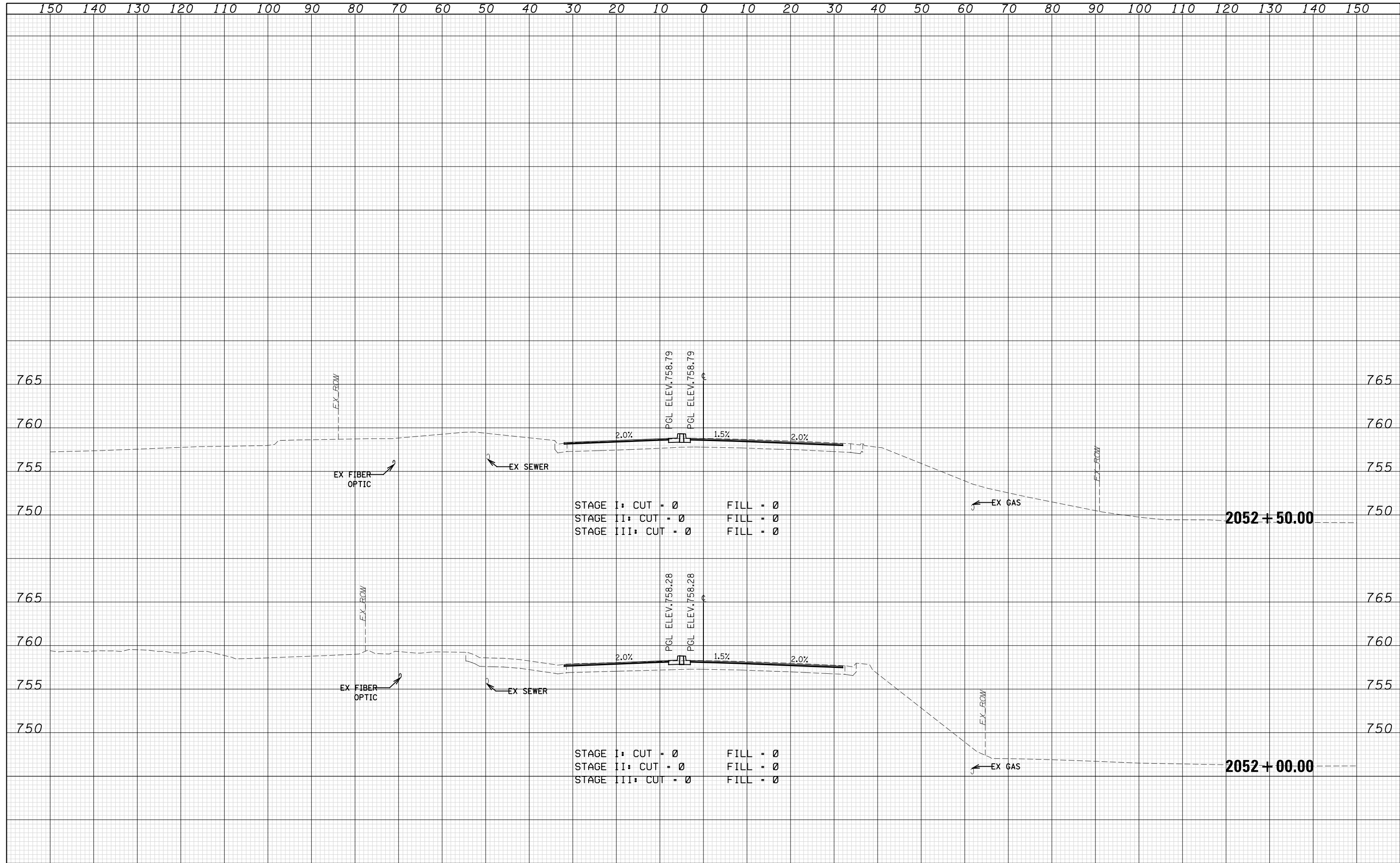
BELL RD.
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	223
				CONTRACT NO. 61A96

SCALE: SHEET NO. 214 OF 229 SHEETS STA. 2050+50.00 TO STA. 2051+50.00 ILLINOIS FED. AID PROJECT

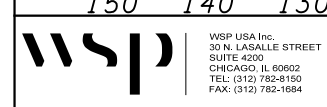
DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



STAGE I: CUT = 0 FILL = 0
 STAGE II: CUT = 0 FILL = 0
 STAGE III: CUT = 0 FILL = 0

STAGE I: CUT = 0 FILL = 0
 STAGE II: CUT = 0 FILL = 0
 STAGE III: CUT = 0 FILL = 0



USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

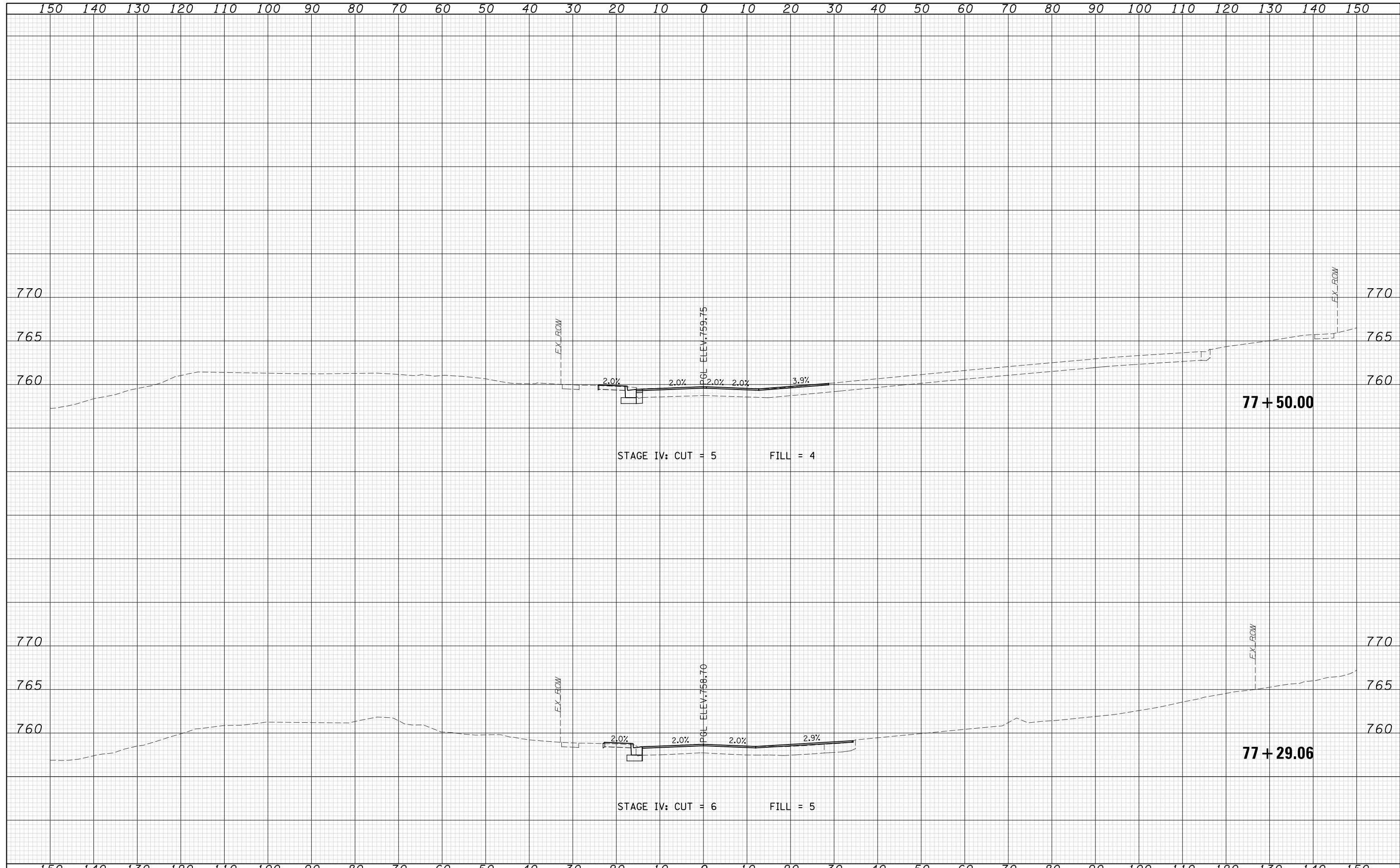
**BELL RD.
CROSS SECTIONS**

SCALE: SHEET NO. 215 OF 229 SHEETS STA. 2052+00.00 TO STA. 2052+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	224
CONTRACT NO. 61A96			ILLINOIS FED. AID PROJECT	

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

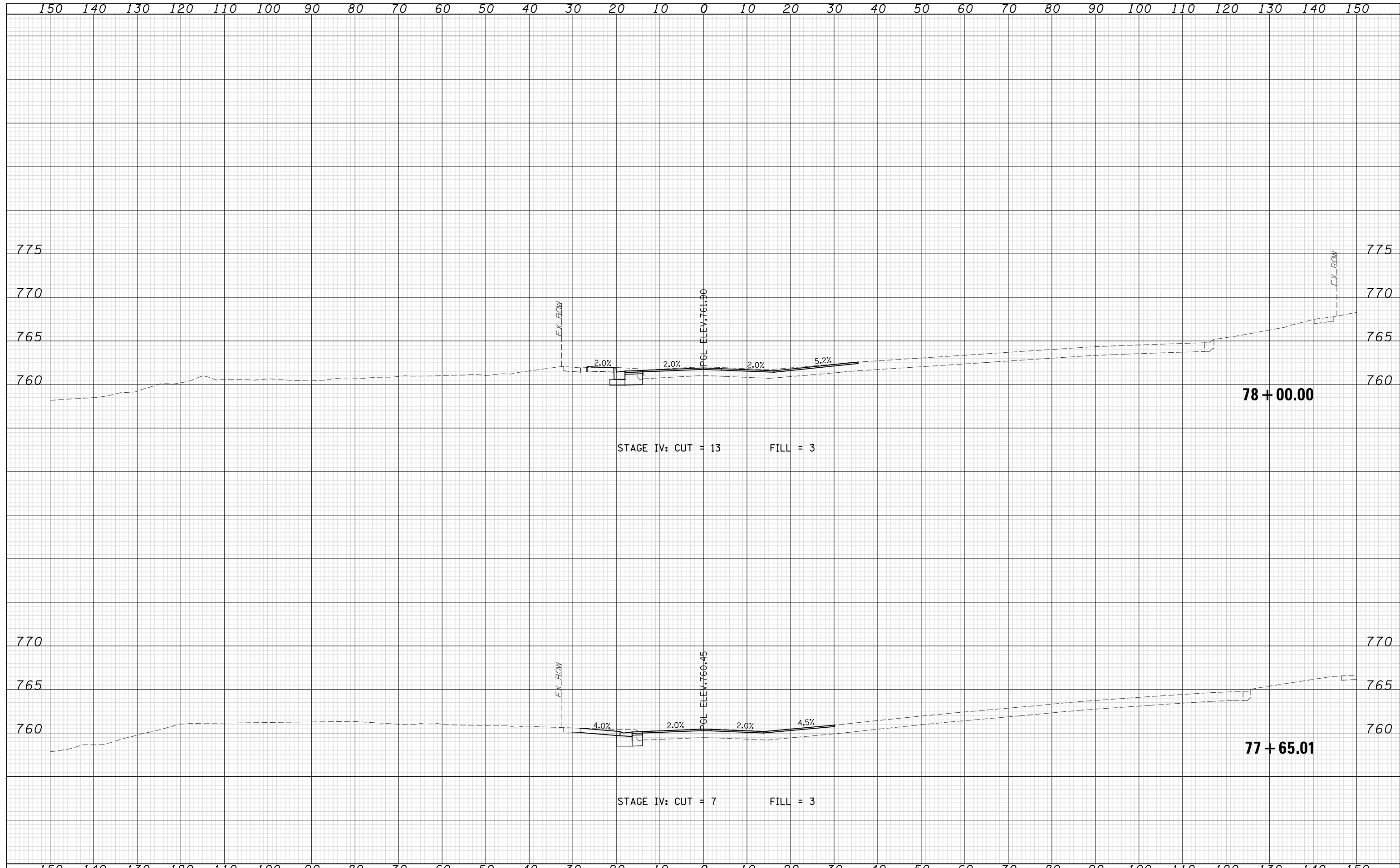
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NOTE BOOK	PLOTTED
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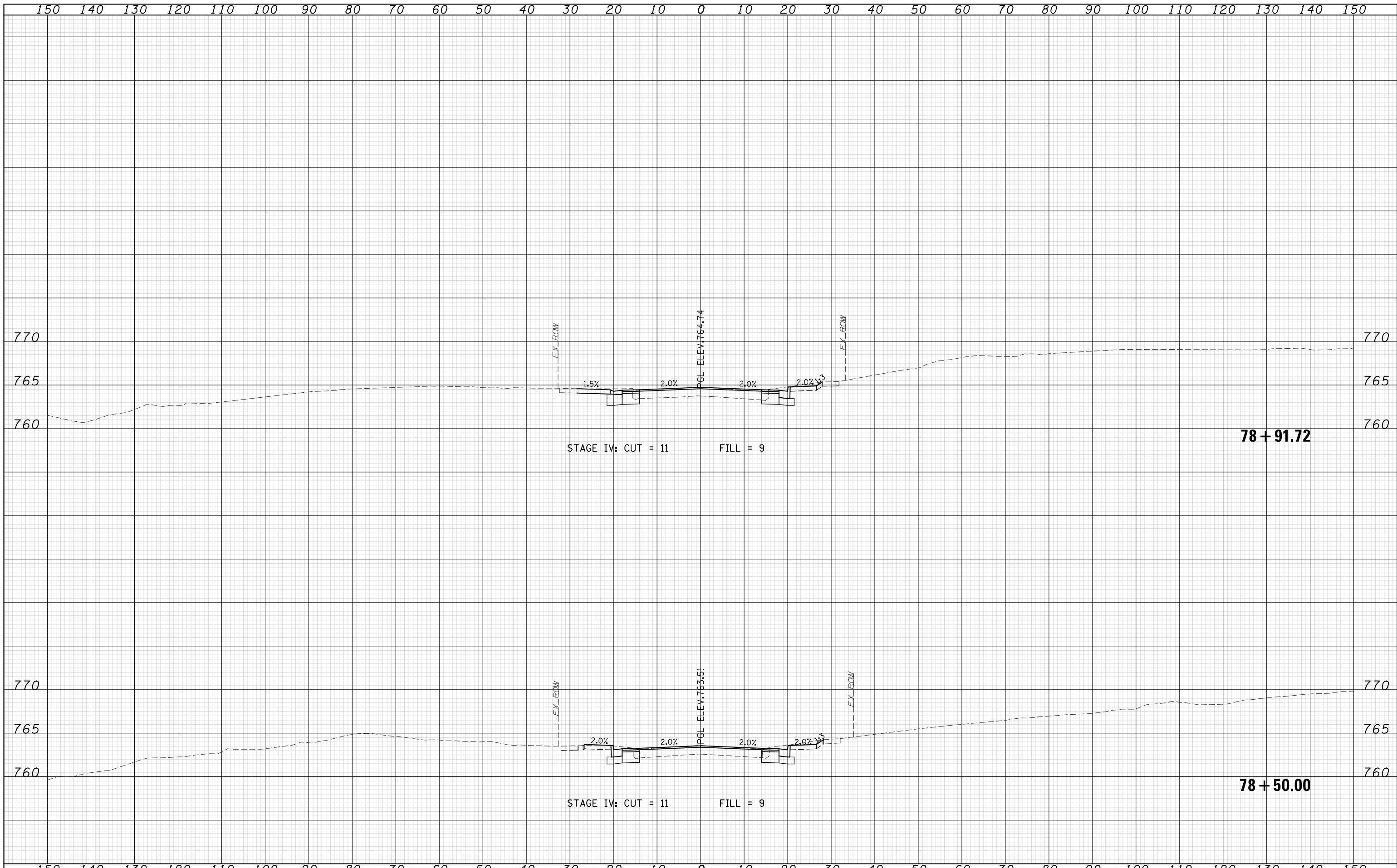
	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:42	DESIGNED - <i>N. LAGA</i> DRAWN - <i>N. LAGA</i> CHECKED - <i>D. SKALESKI</i> DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MEADOWVIEW LANE CROSS SECTIONS		F.A. RTE. 0356 SECTION 99-00147-07-FP COUNTY WILL CONTRACT NO. 61A96	TOTAL SHEETS 229 SHEET NO. 225
	SCALE: SHEET NO. 216 OF 229 SHEETS STA. 77+29.06 TO STA. 77+50.00			ILLINOIS FED. AID PROJECT						

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

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



	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:42	DESIGNED - <i>N. LAGA</i> DRAWN - <i>N. LAGA</i> CHECKED - <i>D. SKALESKI</i> DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEADOWVIEW LANE CROSS SECTIONS			SCALE:	SHEET NO. 217 OF 229 SHEETS	STA. 77+65.01 TO STA. 78+00.00	F.A. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 226	CONTRACT NO. 61A96	ILLINOIS FED. AID PROJECT
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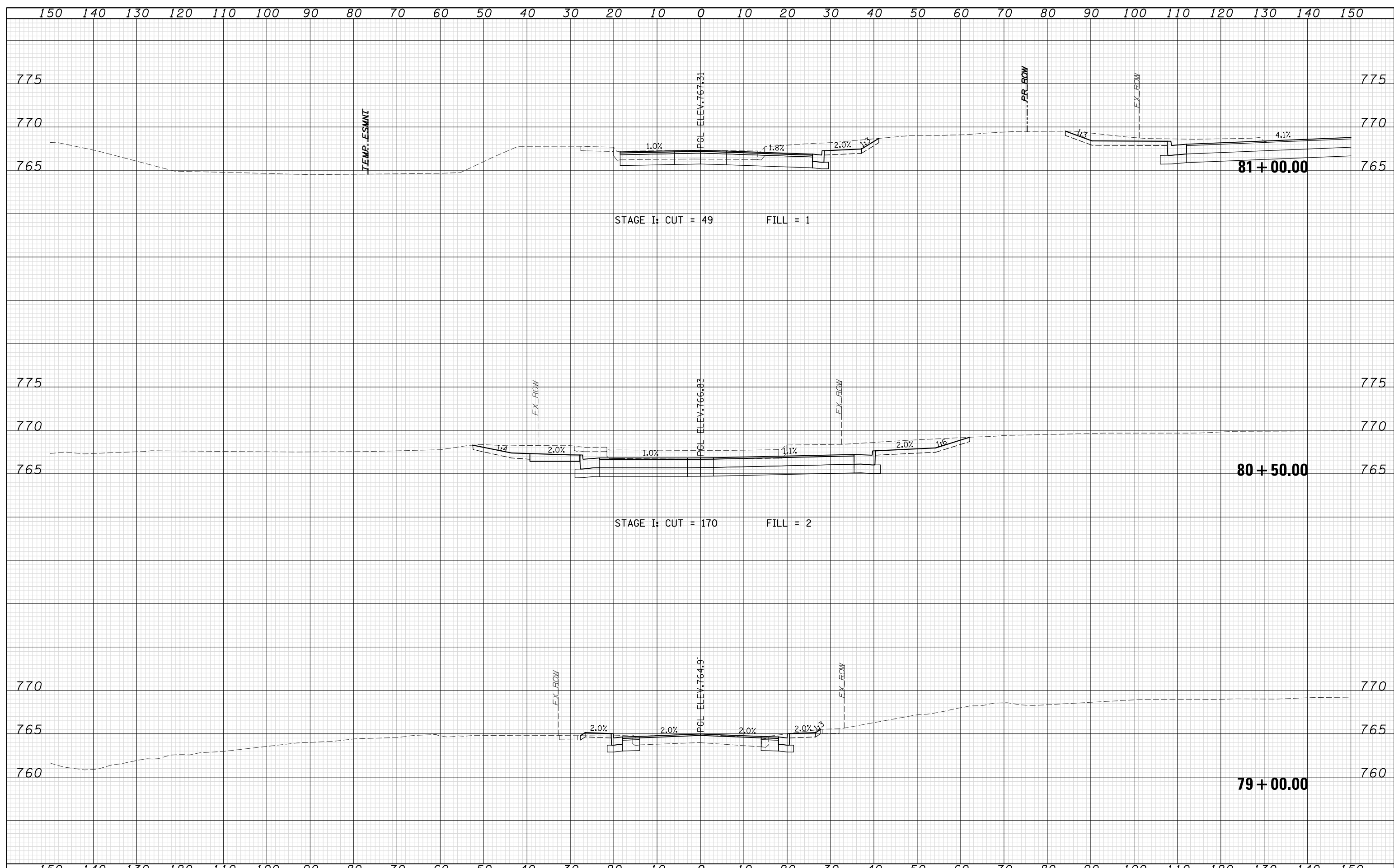
FINAL SURVEY NO.	DATE
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ORIGINAL SURVEY NO.	DATE
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

 WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:42	DESIGNED - <i>N. LAGA</i> DRAWN - <i>N. LAGA</i> CHECKED - <i>D. SKALESKI</i> DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEADOWVIEW LANE CROSS SECTIONS		SCALE: SHEET NO. 218 OF 229 SHEETS STA. 78+50.00 TO STA. 78+91.72	F.A. RTE. 0356 SECTION 99-00147-07-FP COUNTY WILL CONTRACT NO. 61A96	TOTAL SHEETS 229 SHEET NO. 227
	ILLINOIS FED. AID PROJECT								

DATE	
BY	
ORIGINAL SURVEY	
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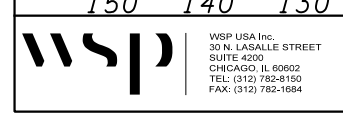
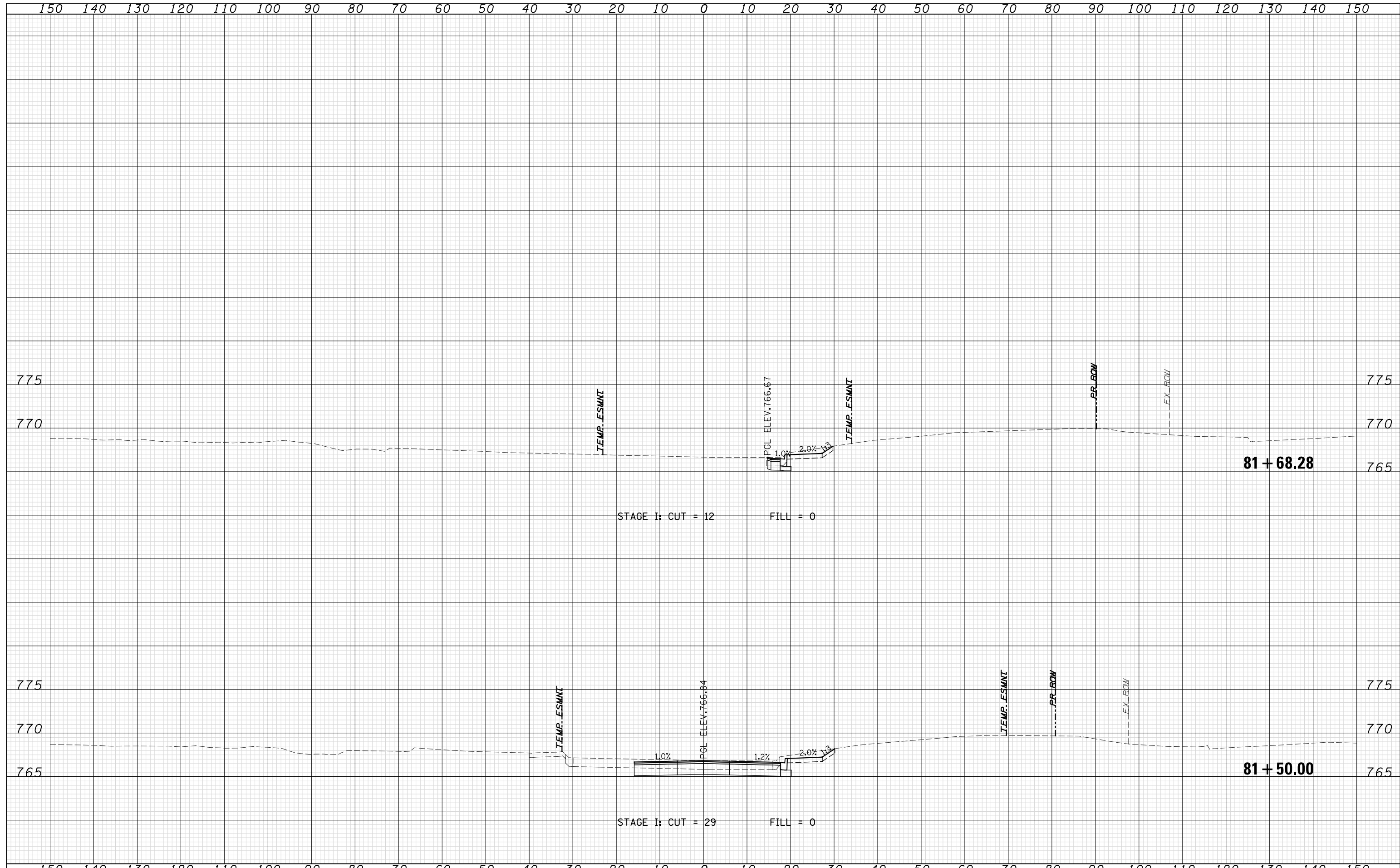
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ORIGINAL SURVEY	
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AREAS	
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	WSP USA Inc. 30 N. LASALLE STREET SUITE 4200 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = FILE NAME = PLOT SCALE = PLOT DATE = 07-FEB-2021 19:42	DESIGNED - <i>N. LAGA</i> DRAWN - <i>N. LAGA</i> CHECKED - <i>D. SKALESKI</i> DATE - 10/04/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEADOWVIEW LANE CROSS SECTIONS	SCALE:	SHEET NO. 219 OF 229 SHEETS	STA. 79+00.00 TO STA. 81+00.00	F.A. RTE. 0356	SECTION 99-00147-07-FP	COUNTY WILL	TOTAL SHEETS 229	SHEET NO. 228	CONTRACT NO. 61A96	ILLINOIS FED. AID PROJECT
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DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	



USER NAME =	DESIGNED - N. LAGA	REVISED -
FILE NAME =	DRAWN - M. LAGA	REVISED -
PLOT SCALE =	CHECKED - D. SKALESKI	REVISED -
PLOT DATE = 07-FEB-2021 19:42	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MEADOWVIEW LANE
CROSS SECTIONS**

SCALE: SHEET NO. 229 OF 229 SHEETS STA. 81+50.00 TO STA. 81+68.28

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	99-00147-07-FP	WILL	229	229
CONTRACT NO.			61A96	
ILLINOIS FED. AID PROJECT				