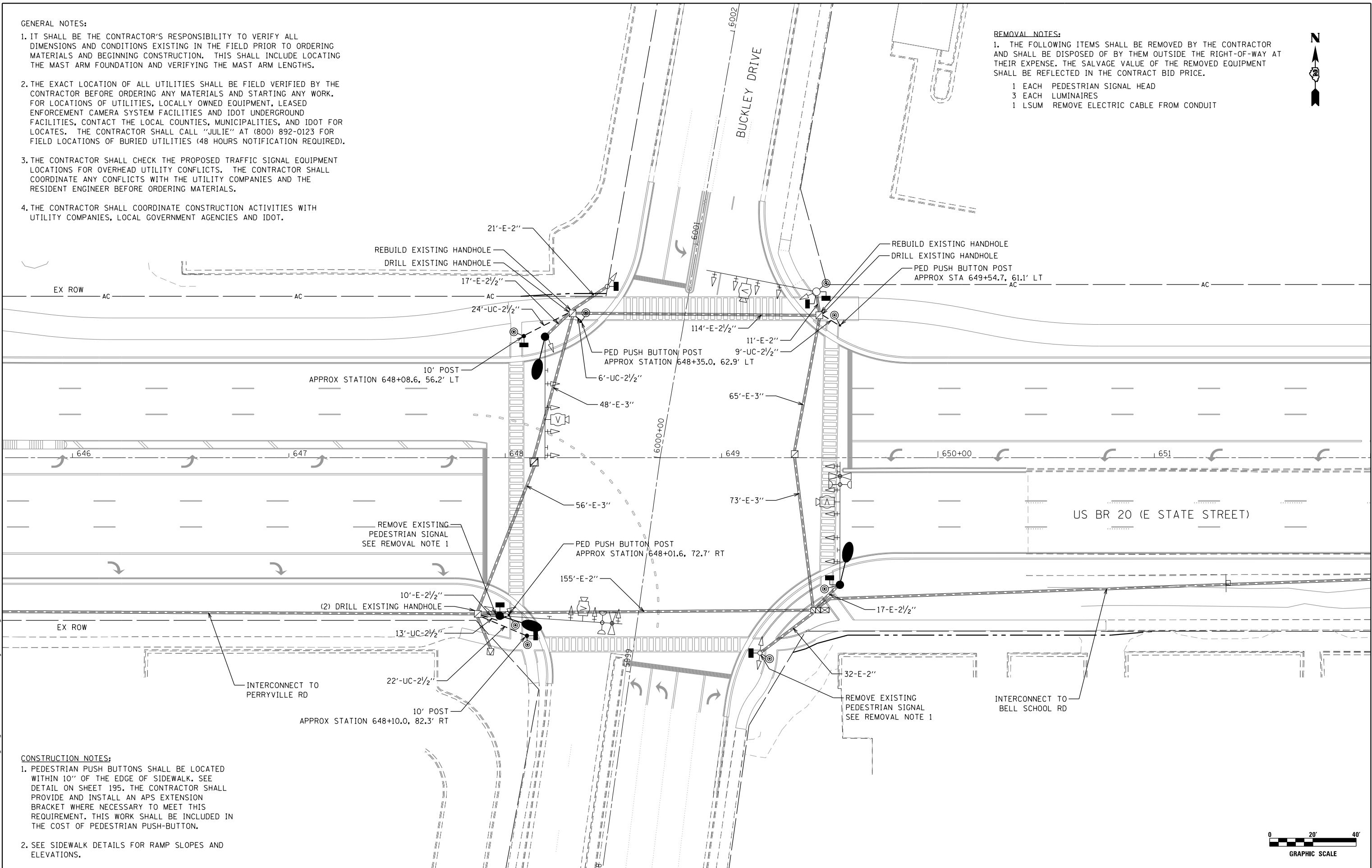


GENERAL NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATION AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES, AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

REMOVAL NOTES:

1. 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.
- 1 EACH PEDESTRIAN SIGNAL HEAD
3 EACH LUMINAIRES
1 LSUM REMOVE ELECTRIC CABLE FROM CONDUIT



CONSTRUCTION NOTES:

1. PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED WITHIN 10" OF THE EDGE OF SIDEWALK. SEE DETAIL ON SHEET 195. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN APS EXTENSION BRACKET WHERE NECESSARY TO MEET THIS REQUIREMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.
2. SEE SIDEWALK DETAILS FOR RAMP SLOPES AND ELEVATIONS.



USER NAME = Roadway
PLOT SCALE = 40.0000' / 1" =
PLOT DATE = 6/12/2020

DESIGNED - JMV
DRAWN - JMV
CHECKED - JMV
DATE - 6/15/2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20 (E STATE STREET)
US BR 20 AT BUCKLEY DRIVE
TRAFFIC SIGNAL MODIFICATION PLAN

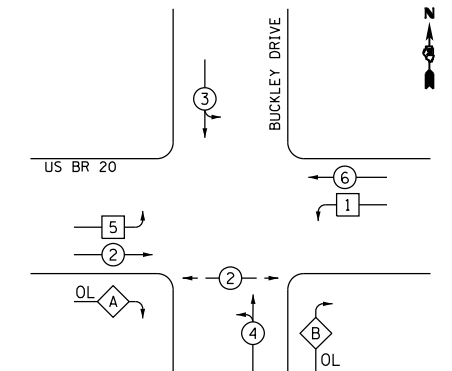
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	203
CONTRACT NO. 64L14				
ILLINOIS FED. AID PROJECT				

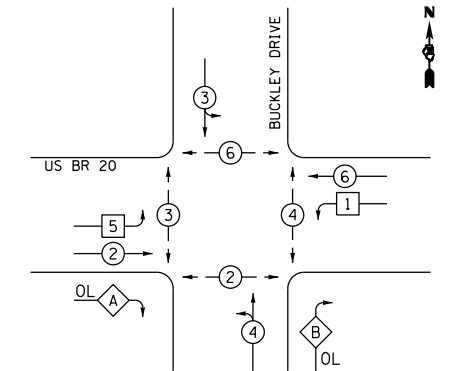
- LEGEND
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - PEDESTRIAN ENTRY PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE
 - OVERLAP

RIGHT TURN OVERLAP
PHASE DESIGNATION

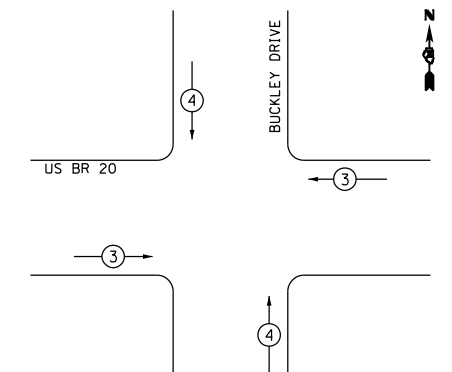
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 4
B	= 4	+ 1



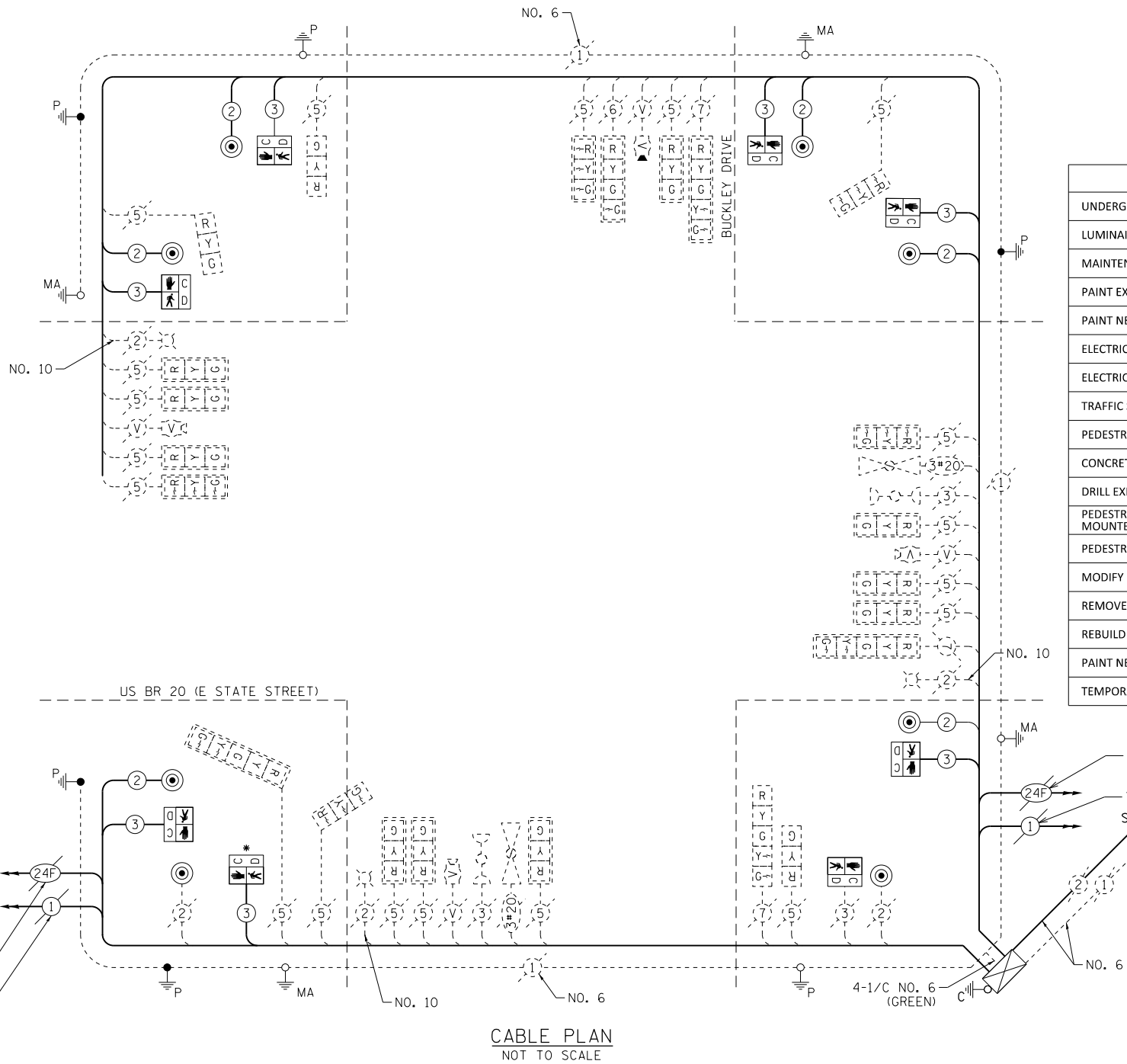
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
NOT TO SCALE

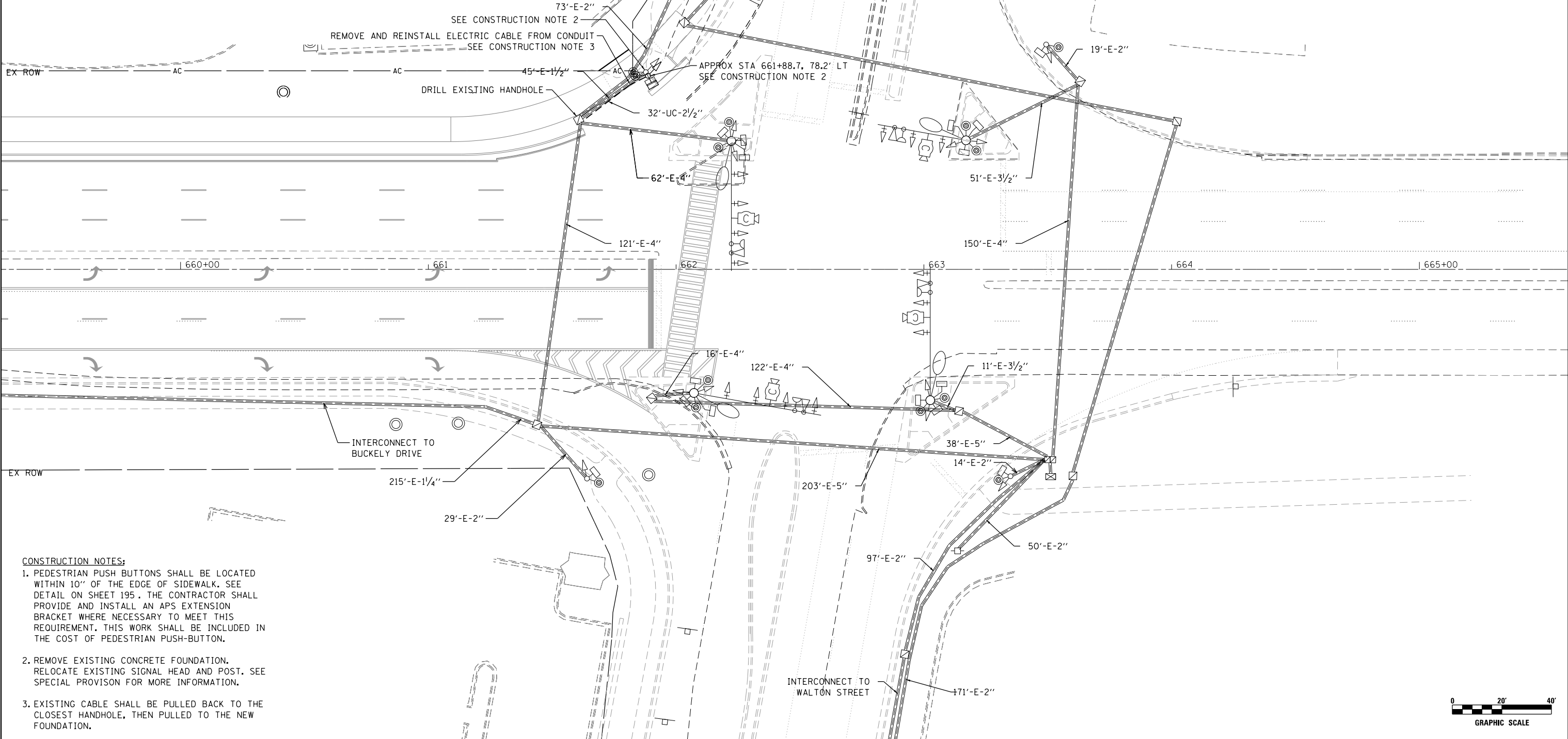
SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	74
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,554
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,624
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	6
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	3
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* = RELOCATE EXISTING PEDESTRIAN
SIGNAL HEAD.

GENERAL NOTES:

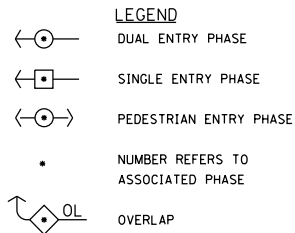
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATION AND VERIFYING THE MAST ARM LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES, AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.



CONSTRUCTION NOTES:

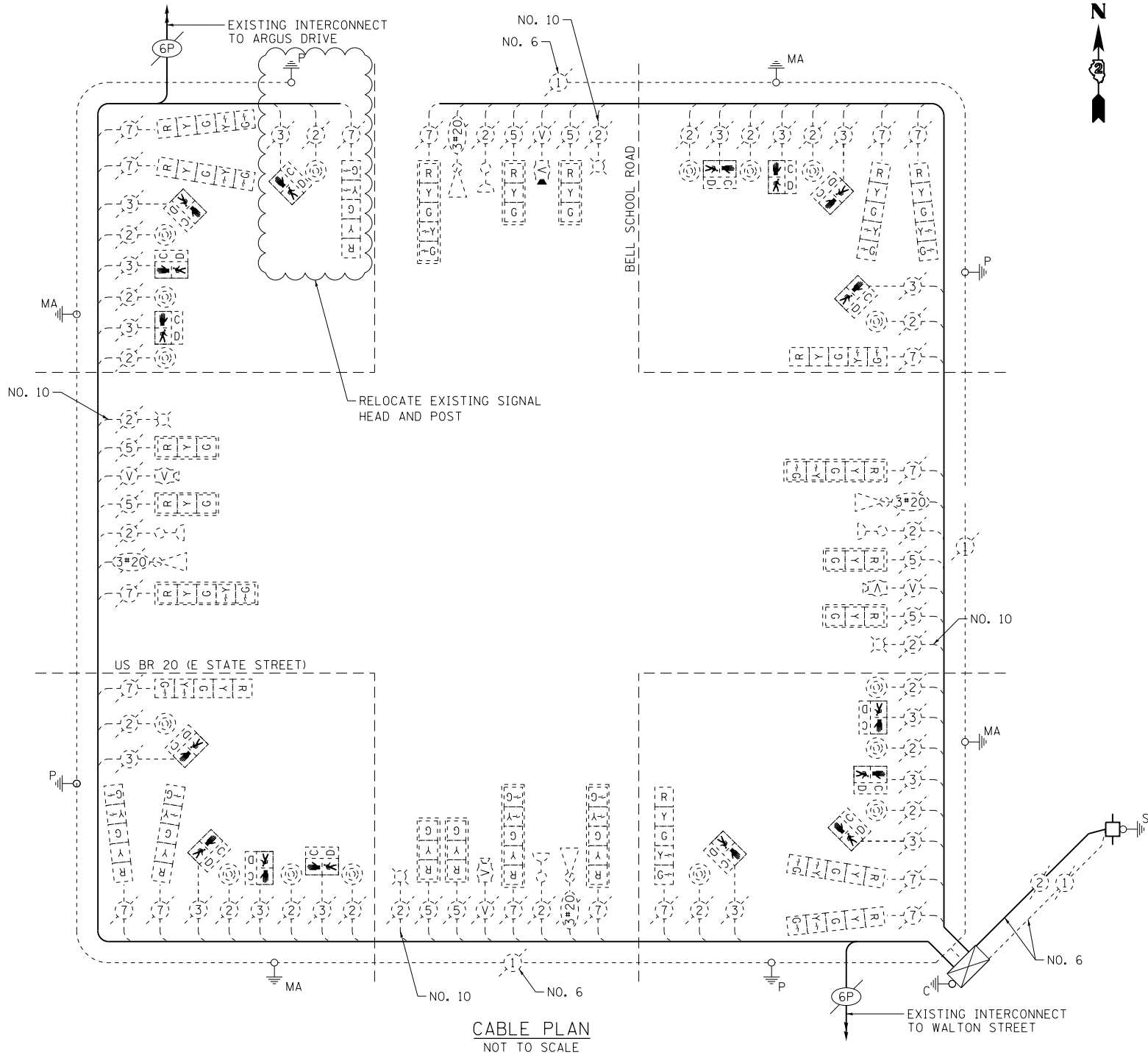
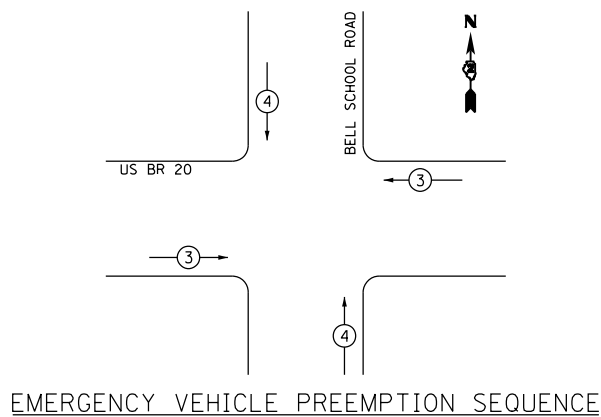
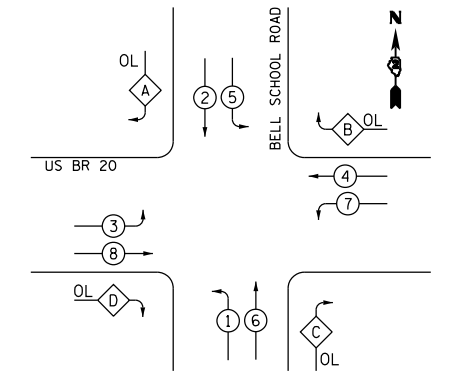
1. PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED WITHIN 10" OF THE EDGE OF SIDEWALK. SEE DETAIL ON SHEET 195. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN APS EXTENSION BRACKET WHERE NECESSARY TO MEET THIS REQUIREMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.
2. REMOVE EXISTING CONCRETE FOUNDATION. RELOCATE EXISTING SIGNAL HEAD AND POST. SEE SPECIAL PROVISION FOR MORE INFORMATION.
3. EXISTING CABLE SHALL BE PULLED BACK TO THE CLOSEST HANDHOLE, THEN PULLED TO THE NEW FOUNDATION.

 ENGINEERING CONSULTANT	USER NAME = Roadway	DESIGNED - JMV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US BR 20 (E STATE STREET) US BR 20 AT BELL SCHOOL ROAD TRAFFIC SIGNAL MODIFICATION PLAN				FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN - JMV	REVISED -		517	(2Y-1)N	WINNEBAGO	306	205				
	PLOT DATE = 6/12/2020	CHECKED - JMV	REVISED -		CONTRACT NO. 64L14								
	DATE = 6/15/2020	REVISED -	ILLINOIS FED. AID PROJECT										
	SCALE: 1" = 20'				SHEET NO.	OF	SHEETS	STA.	TO STA.				



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1



SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	32
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	3
DRILL EXISTING HANDHOLE	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	180
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
RELOCATE EXISTING SIGNAL HEAD AND POST	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



Illinois Department
of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/5/16

ROUTE FA 517 DESCRIPTION P92-027-16 Traffic Signals, Buckley Drive at East State Street LOGGED BY W. Garza

SECTION 2RS-6 LOCATION NE Rockford Twp. - SW 23, SEC. , TWP. 44N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. NE Quad Latitude 42° 16' 11.91" Northing 2,043,158.6680
Station Longitude -88° 58' 30.52" Easting 2,619,073.5160

BORING NO. B-1a
Station 649+40
Offset 52.00ft Lt EOP white line
Ground Surface Elev. 100.80 ft

	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. N/A ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
MEDIUM brown SANDY LOAM			0.5 P	11.0		79.80	23		
VERY STIFF tan SILTY CLAY LOAM	98.80	2 3 5	2.1 B	25.0		77.30	20 26 47		
STIFF tan SILTY LOAM with SAND lens	97.30	2 4 5	1.1 B	26.0		74.80	10 28 36		
LOOSE tan/light gray dirty SAND	94.30	2 3 2		10.0		71.80	42 100/8'		
MEDIUM rusty yellow dirty SAND	92.30	3 6 8		13.0					
STIFF rusty yellow SANDY LOAM	89.80	7 8 15	1.8 S	9.0					
DENSE tan SANDY LOAM TILL with GRAVEL	87.30	11 19 26		8.0					
VERY DENSE tan SANDY LOAM TILL with GRAVEL	84.80	15 26 31							
	82.30								
		10							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/6/16

ROUTE FA 517 DESCRIPTION P92-027-16 Traffic Signals, Buckley Drive at East State Street LOGGED BY N. White

SECTION 2RS-6 LOCATION NE Rockford Twp. - SW 23, SEC. , TWP. 44N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. SW Quad Latitude 42° 16' 10.22" Northing 2,042,986.0581
Station Longitude -88° 58' 32.48" Easting 2,618,928.3926

BORING NO. B-2a
Station 647+66
Offset 2.00ft Rt EOP white line
Ground Surface Elev. 99.90 ft

	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. N/A ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
SOFT dark gray SILTY CLAY LOAM			0.2 P	17.0		78.90	23 33		7.0
STIFF gray CLAY LOAM	97.90	2 4 5	2.2 P	26.0		76.40	24 00/11"		6.0
STIFF brown CLAY LOAM	96.40	2 4 4	1.5 B	36.0		73.90	17 25 31		8.0
MEDIUM brown SANDY LOAM TILL	93.40	4 4 6		10.0					
MEDIUM brown SANDY LOAM TILL	91.40	3 9 17		7.0					
VERY DENSE brown SANDY LOAM TILL	88.90	20 27 34		7.0					
VERY DENSE brown SANDY LOAM TILL	86.40	15 23 31		7.0					
VERY DENSE brown SANDY LOAM TILL	83.90	22 28 39		7.0					
	81.40								
		17							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 12/7/16

ROUTE FA 517 DESCRIPTION P92-027-16 Traffic Signal, Perryville Road and East State Street LOGGED BY W. Garza

SECTION 2RS-6 LOCATION NE Rockford Twp. - SW 23, SE 22, SEC. , TWP. 44N, RNG. 2E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45

STRUCT. NO. SE Quad Latitude 42° 16' 08.21" Northing 2,042,767.2147
Station Longitude -88° 58' 46.55" Easting 2,617,873.2298

BORING NO. B-1b
Station 636+94
Offset 29.00ft Rt EOP solid white line
Ground Surface Elev. 100.50 ft

	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Surface Water Elev. Stream Bed Elev. N/A ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
SOFT brown SILTY CLAY LOAM			0.4 P	20.0		79.50	14	3.2	4.0
VERY STIFF brown SILTY CLAY LOAM	98.50	4 5 5	2.0 P	21.0		77.00	13 26 27		
STIFF brown SILTY CLAY LOAM	97.00	3 2 4	1.8 P	16.0		74.50	11 21 26		
MEDIUM tan SILTY LOAM	94.50	1 2 4	0.5 B	22.0		72.00	14 22 23		
MEDIUM tan SILTY LOAM	92.00	2 3 5	0.5 B	22.0		69.50	12 22 26		5.0
SOFT tan SILTY LOAM	89.50	1 5 5	0.4 B	19.0		67.00	19 24 26		
VERY SOFT tan moist SANDY LOAM	87.00	1 6 6	0.2 P	12.0		64.50	12 14 19	3.5	7.0
DENSE tan SANDY LOAM TILL with GRAVEL	84.00	13 15 22							
	82.00								
		8							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

ENGINEERING CONSULTANT



USER NAME : Roadway

DESIGNED - JMV

REVISED -

DRAWN - JMV

REVISED -

PLOT SCALE = 2.0000' / in.

CHECKED - JMV

REVISED -

PLOT DATE = 6/12/2020

DATE - 6/15/2020

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20 (E STATE STREET)
TRAFFIC SIGNAL BORING LOGS

SCALE: N.T.S.

SHEET NO.

OF

SHEETS

STA.

TO STA.

FAP

SECTION

COUNTY

TOTAL

SHEET

517

(2Y-1)N

WINNEBAGO

306

207

CONTRACT NO.

64L14

ILLINOIS FED. AID PROJECT

DATE PLOTTED = 6/12/2020 6:48:50 AM
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LIGHTING GENERAL NOTES

1.

IT IS THE CONSTRUCTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITION BEFORE BUILDING THIS PROJECT.
2.

ALL NEW EQUIPMENT, UNIT DUCT, CONDUIT AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY; THE ACTUAL LOCATION IN THE FIELD SHALL BE REVISED WITH THE APPROVAL OF THE ENGINEER.
3.

CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
4.

NO MATERIALS OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE PRIOR TO SHOP DRAWING APPROVAL BY THE ENGINEER.
5.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHT POLES AND LIGHTING CONTROLLERS. THE ENGINEERS SHALL EXAMINE THE PROPOSED LOCATIONS AND SHALL CONFIRM THEM BEFORE THE LIGHT POLES AND LIGHTING CONTROLLERS ARE INSTALLED.
6.

NO POLE TO BE INSTALLED IN THE FLOW LINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY ENGINEER.
7.

LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF THE ARTICLE 836.03 OF THE STANDARDS SPECIFICATIONS.

TABULATION OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	1,230
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	285
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	12,230
81603096	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	485
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	941
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	20
84200804	REMOVAL OF POLE FOUNDATION	EACH	5
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	5

IDOT HIGHWAY STANDARDS

DRAWING NO.	TITLE
821101-02	LUMINAIRE WIRING IN POLE
825026-04	LIGHTING CONTROLLER BASE MOUNTED, 480V
838001-01	BREAKAWAY DEVICES

INDEX OF SHEETS:

DRAWING NO.	TITLE
E-1	LIGHTING GENERAL NOTES AND TABULATION OF QUANTITIES
E-2 TO E-11	LIGHTING PLANS
E-12	WIRING DIAGRAMS
E-13	LUMINAIRE PERFORMANCE TABLES
E-14 TO E-15	LIGHT POLE DETAILS
E-16	LIGHT POLE FOUNDATION DETAILS

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USER NAME = mgravida	DESIGNED - SG	REVISED -
	DRAWN - SG	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - RDP	REVISED -
PLOT DATE = 6/11/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES AND TABULATION OF QUANTITIES

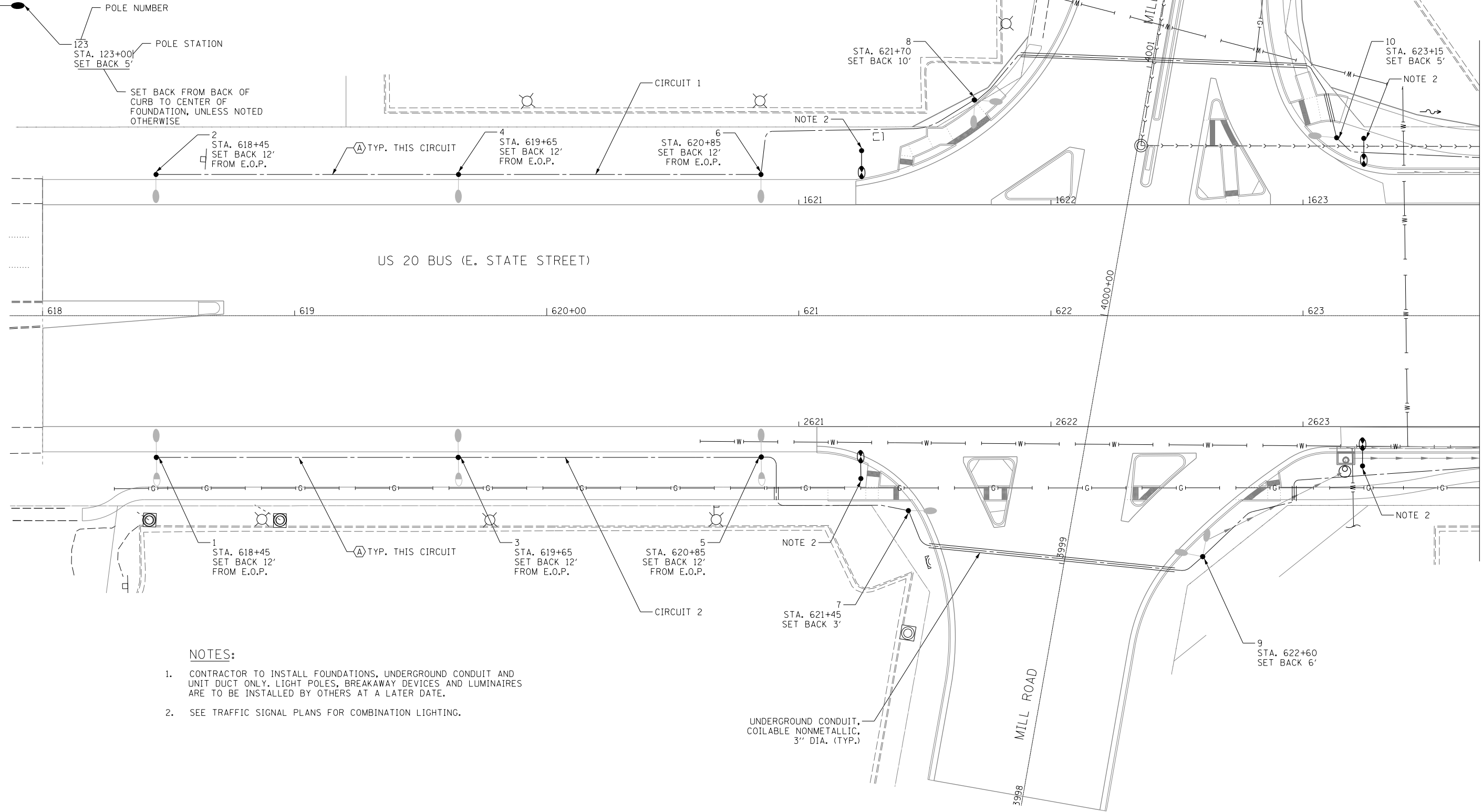
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	209
				CONTRACT NO. 64L14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS
- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

CIRCUIT DESIGNATION



NOTES:

- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.
- SEE TRAFFIC SIGNAL PLANS FOR COMBINATION LIGHTING.

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USER NAME = mgravida	DESIGNED - SG	REVISED -
PLOT SCALE = 40.0000' / 1".	DRAWN - SG	REVISED -
PLOT DATE = 6/11/2020	CHECKED - RDP	REVISED -
	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN		
US 20 BUS (E. STATE STREET)		
SCALE: 1"=20'	SHEET NO. 1 OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	210
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

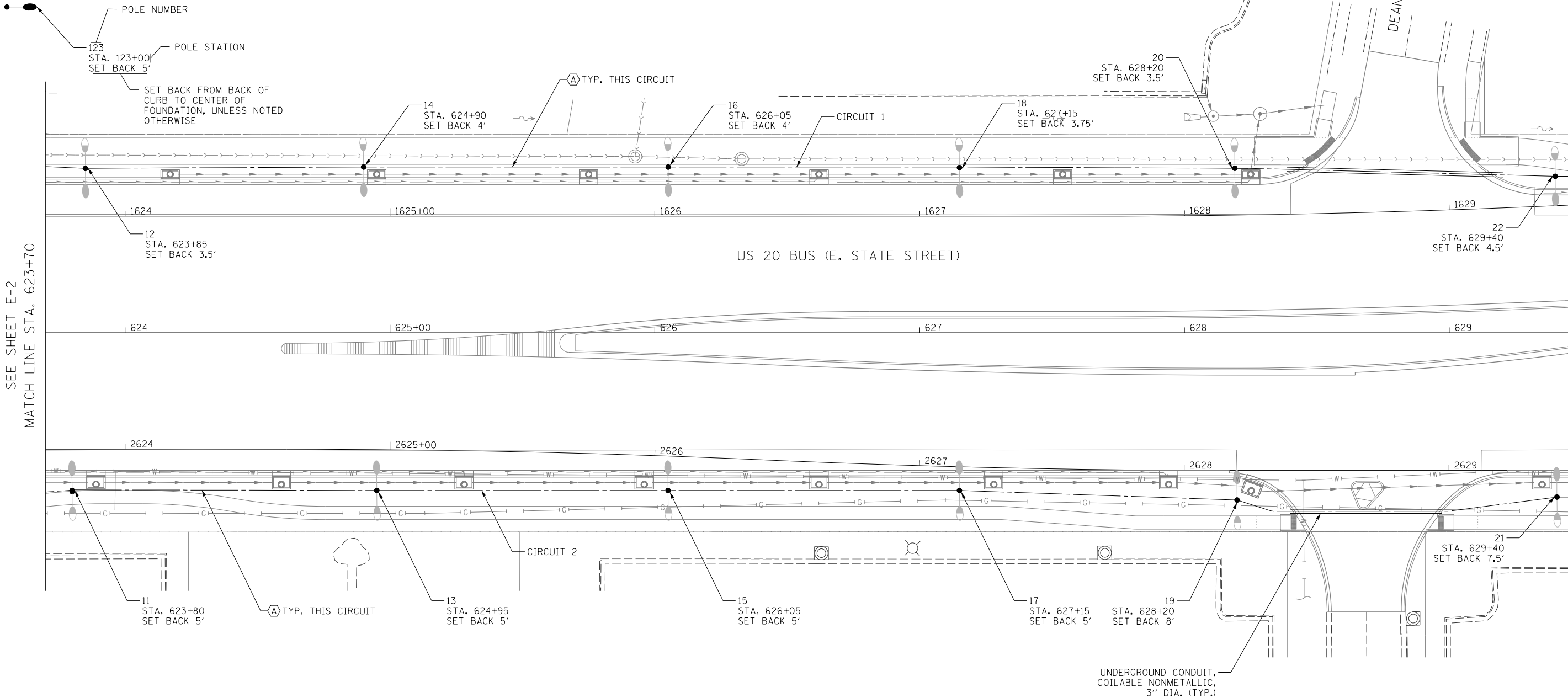
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

NOTES:

- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.

CIRCUIT DESIGNATION



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PLOT DATE = 6/11/2020	CHECKED - RDP	REVISED -
	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
US 20 BUS (E. STATE STREET)

SCALE: 1"=20' SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	211
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

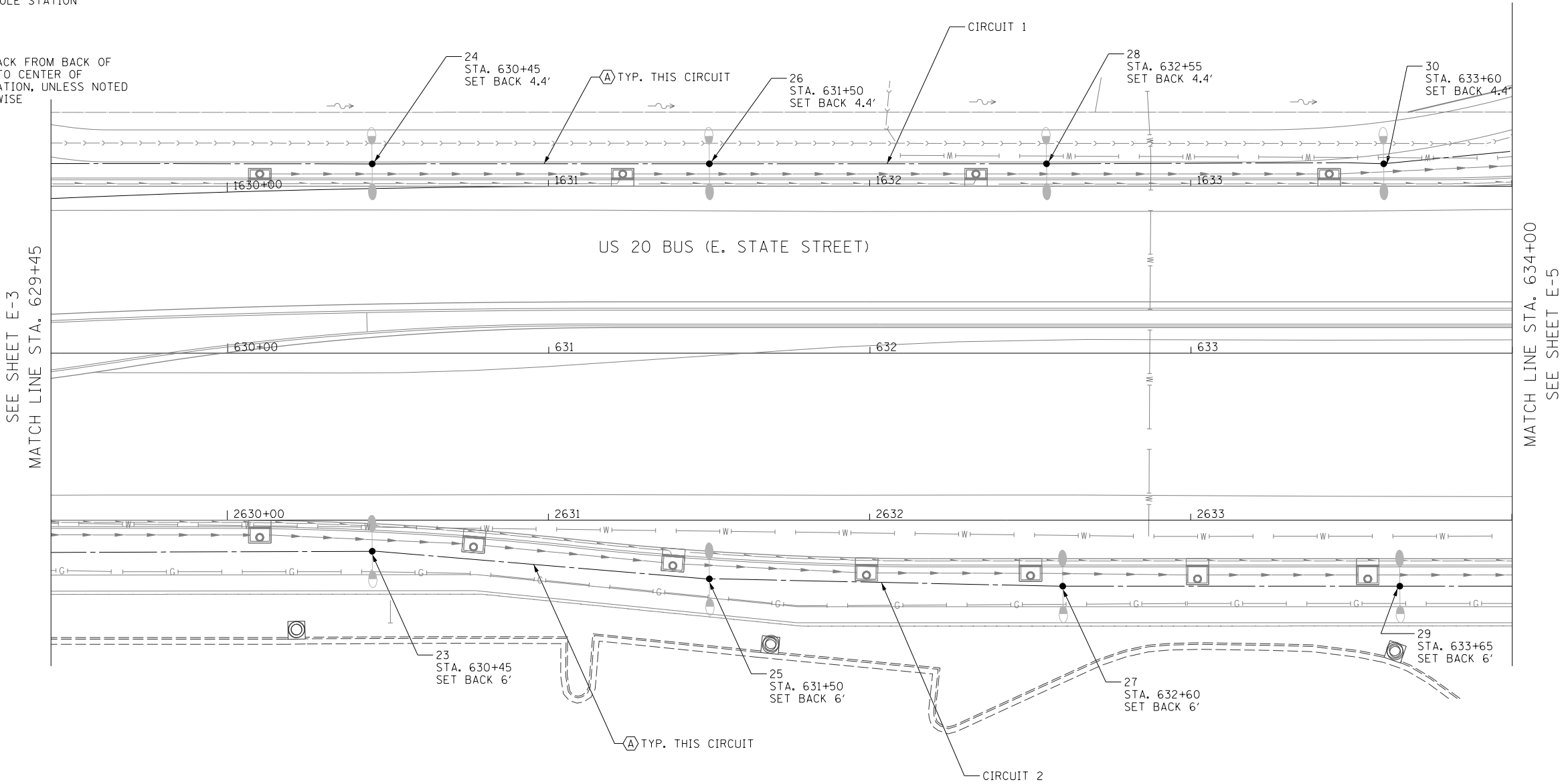
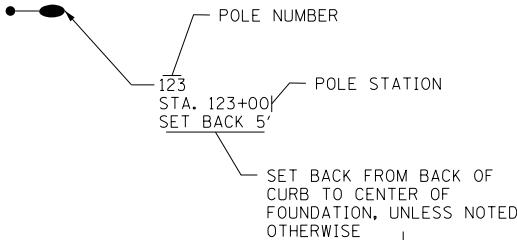
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V , 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE REMOVED, SALVAGE
- EXISTING LIGHTING UNIT TO REMAIN

NOTES:

- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.

CIRCUIT DESIGNATION



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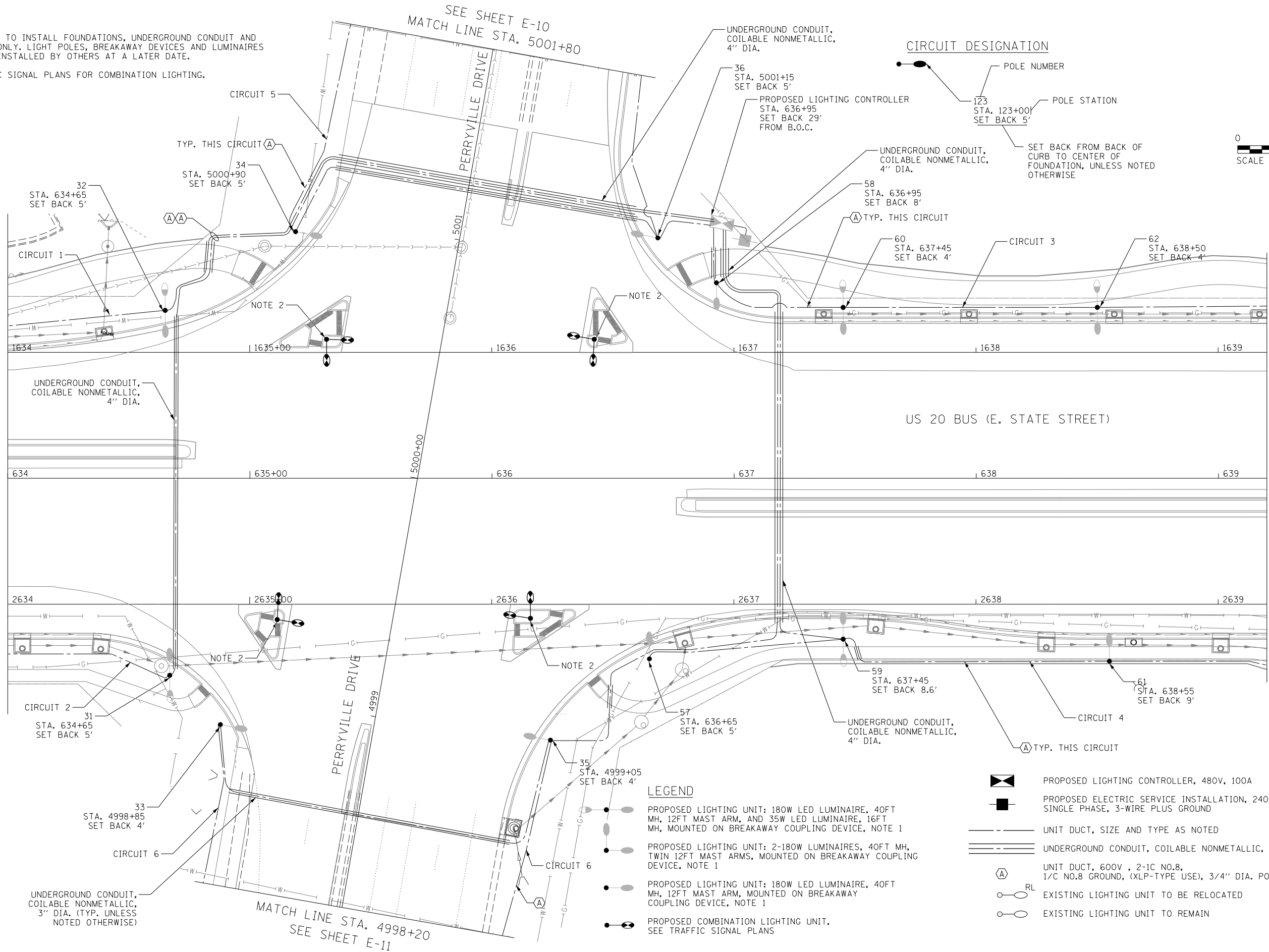
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN			
US 20 BUS (E. STATE STREET)			
SCALE: 1"=20'	SHEET NO. 3	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	212
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES:

1. CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.
2. SEE TRAFFIC SIGNAL PLANS FOR COMBINATION LIGHTING.



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USER NAME = mgravida
PLOT SCALE = 40.0000' / 1" =
PLOT DATE = 6/11/2020

DESIGNED - SG
DRAWN - SG
CHECKED - RDP
DATE - 6/15/2020

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
US 20 BUS (E. STATE STREET)

SCALE: 1"=20' SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1IN)	WINNEBAGO	306	213
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

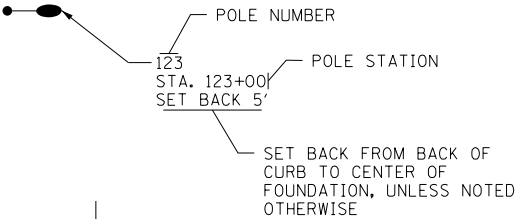
- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

NOTES:

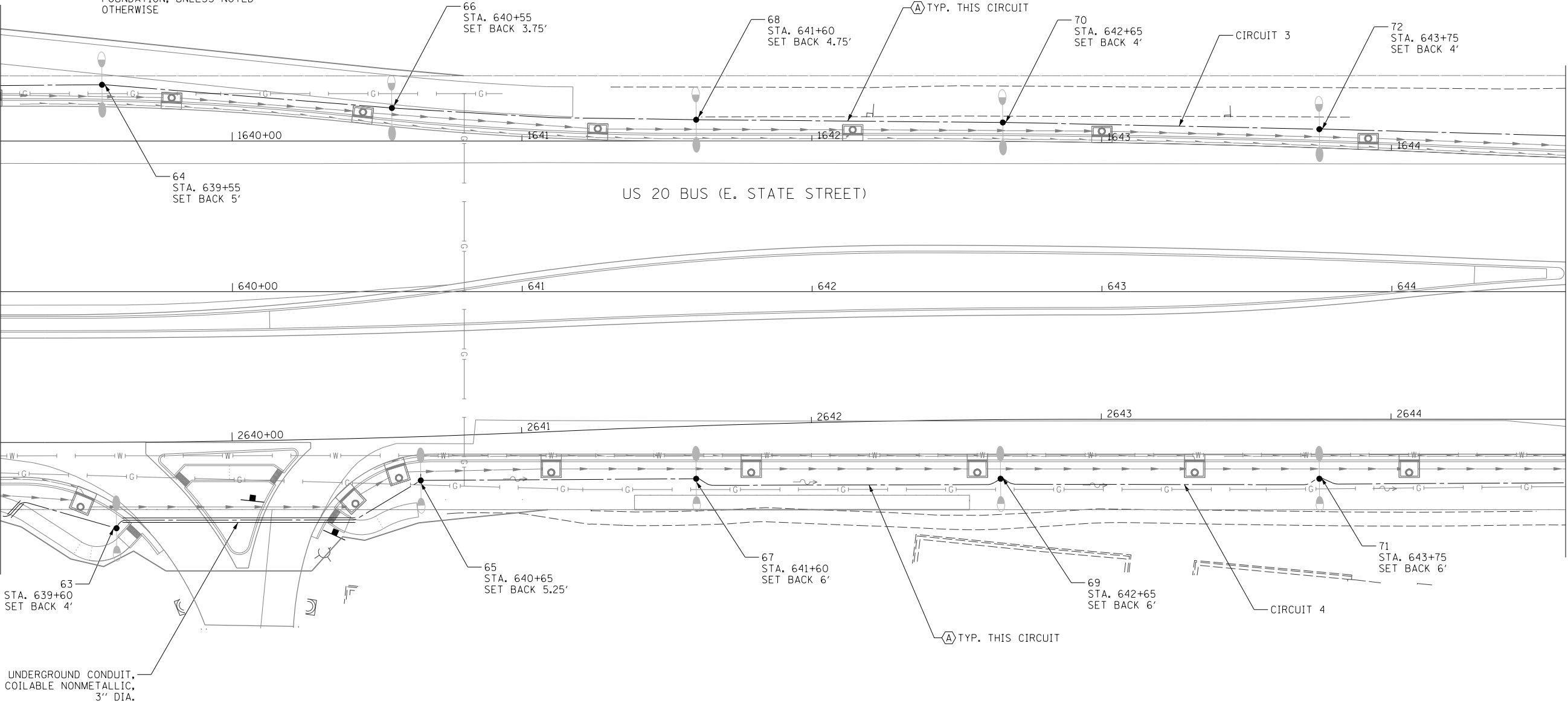
- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.



CIRCUIT DESIGNATION



SEE SHEET E-5
MATCH LINE STA. 639+20



MATCH LINE STA. 644+60
SEE SHEET E-7

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	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN			
US 20 BUS (E. STATE STREET)			
SCALE: 1"=20'	SHEET NO. 5	OF 10 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	214
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

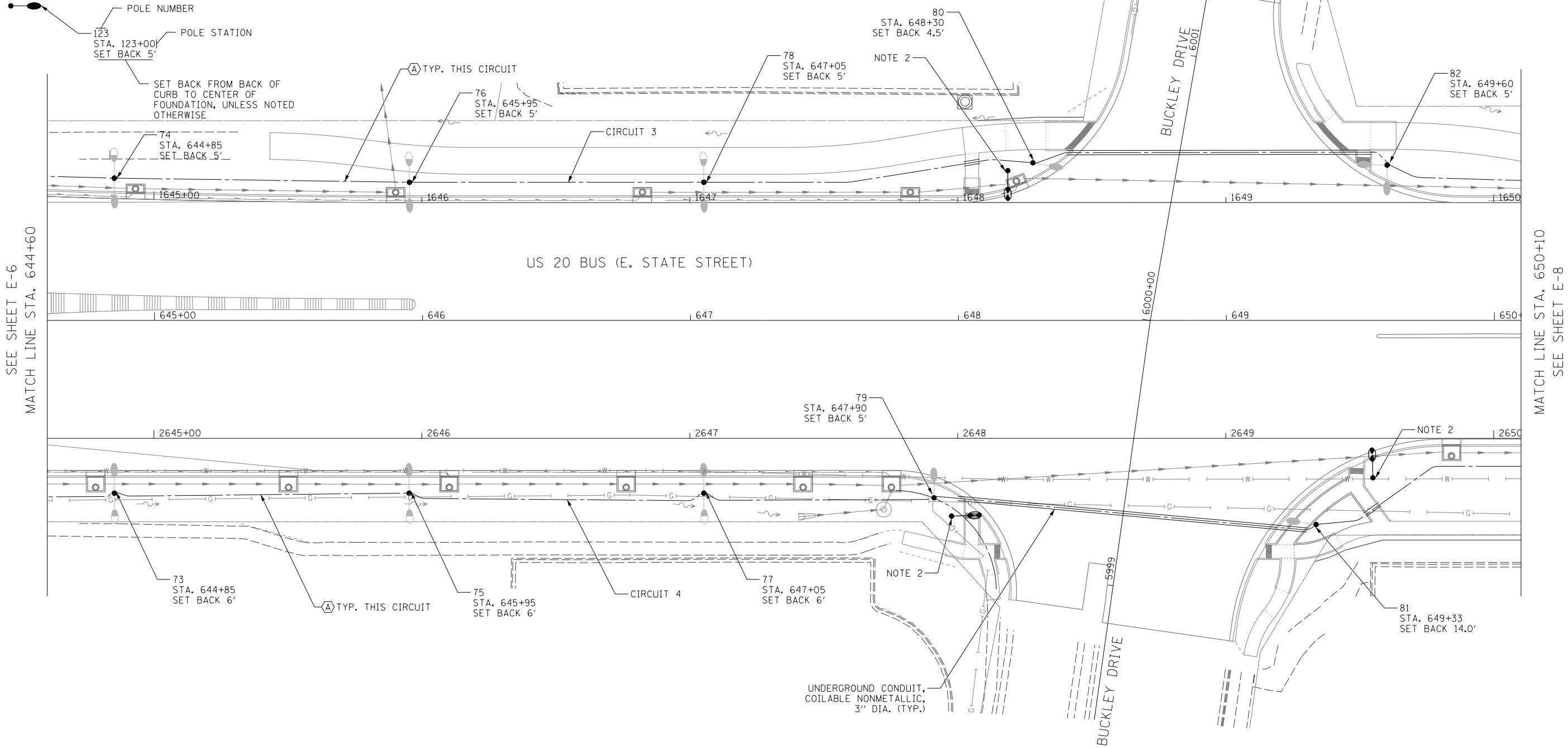
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

NOTES:

1. CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.
2. SEE TRAFFIC SIGNAL PLANS FOR COMBINATION LIGHTING.

CIRCUIT DESIGNATION



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
US 20 BUS (E. STATE STREET)

SCALE: 1"=20' SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	215
				CONTRACT NO. 64L14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

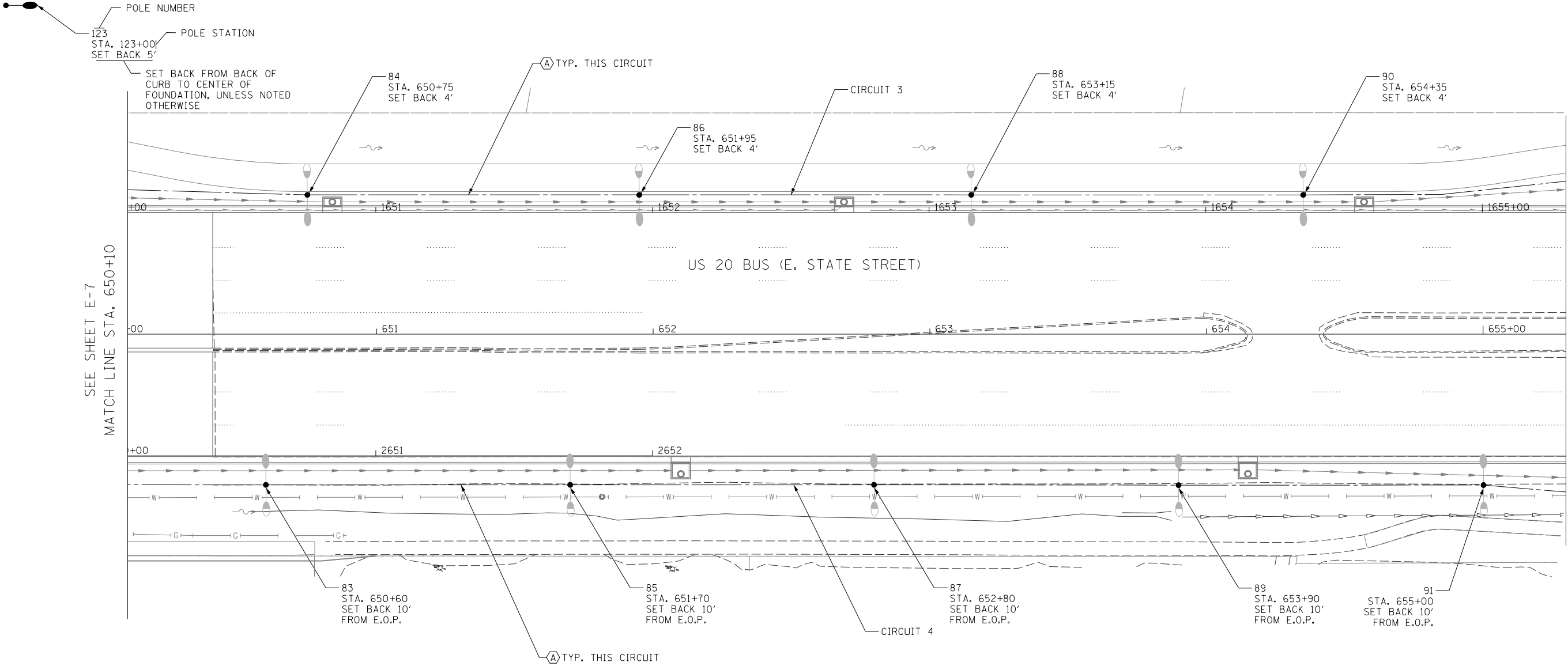
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V , 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

NOTES:

1. CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.

CIRCUIT DESIGNATION



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	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN		
US 20 BUS (E. STATE STREET)		
SCALE: 1"=20'	SHEET NO. 7 OF 10 SHEETS	STA. TO STA.

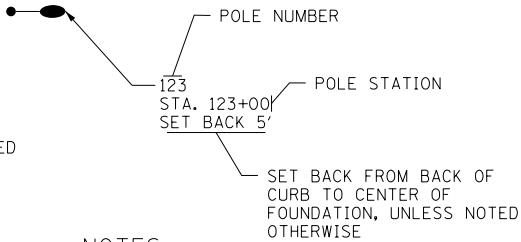
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	216
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

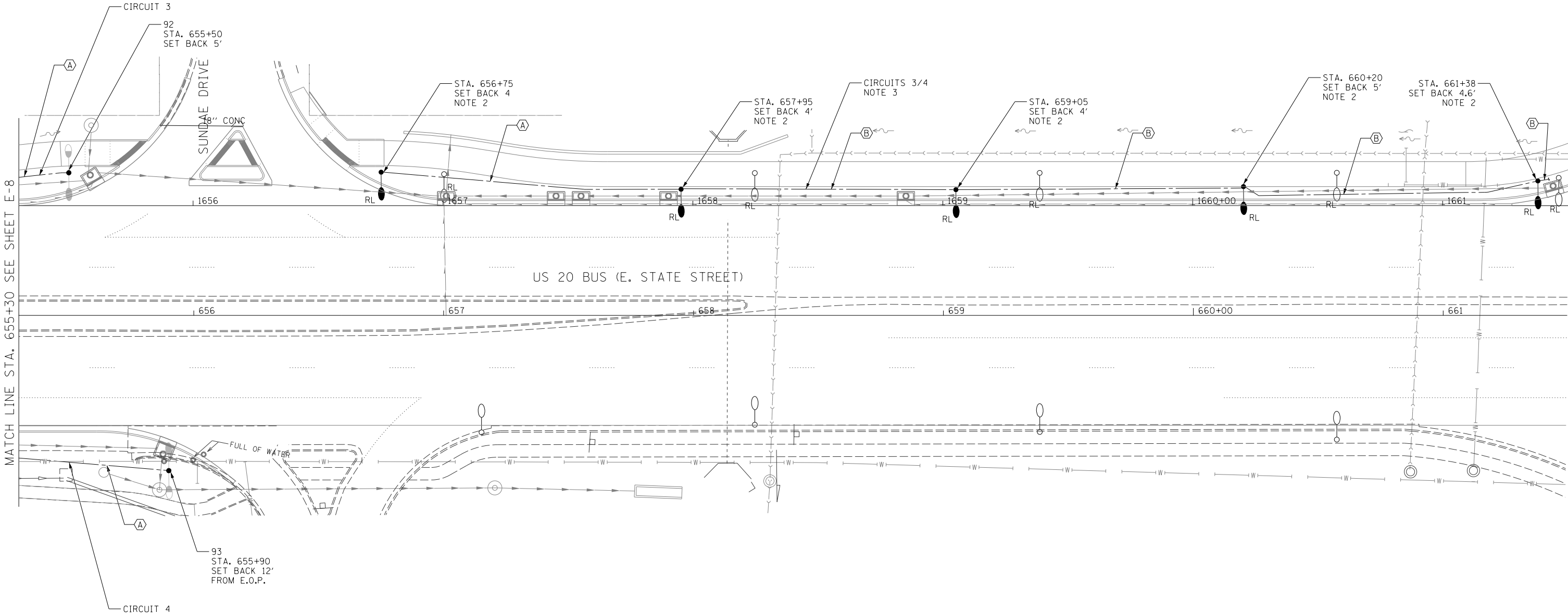
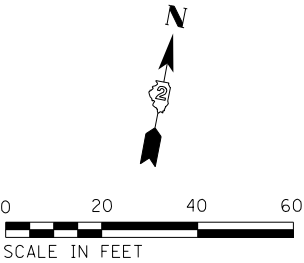
- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V , 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- UNIT DUCT, 600V , 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN
- RELOCATED LIGHTING UNIT MOUNTED ON NEW FOUNDATION AND BREKAWAY COUPLING DEVICE

CIRCUIT DESIGNATION



NOTES:

- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.
- CONTRACTOR SHALL COORDINATE POLE NUMBERS AND CIRCUITING WITH AS-BUILT PLANS FOR CONTRACT 85616.
- CIRCUITS FED FROM EXISTING LIGHTING CONTROLLER LOCATED AT THE BELL SCHOOL RD/US 20 INTERSECTION.



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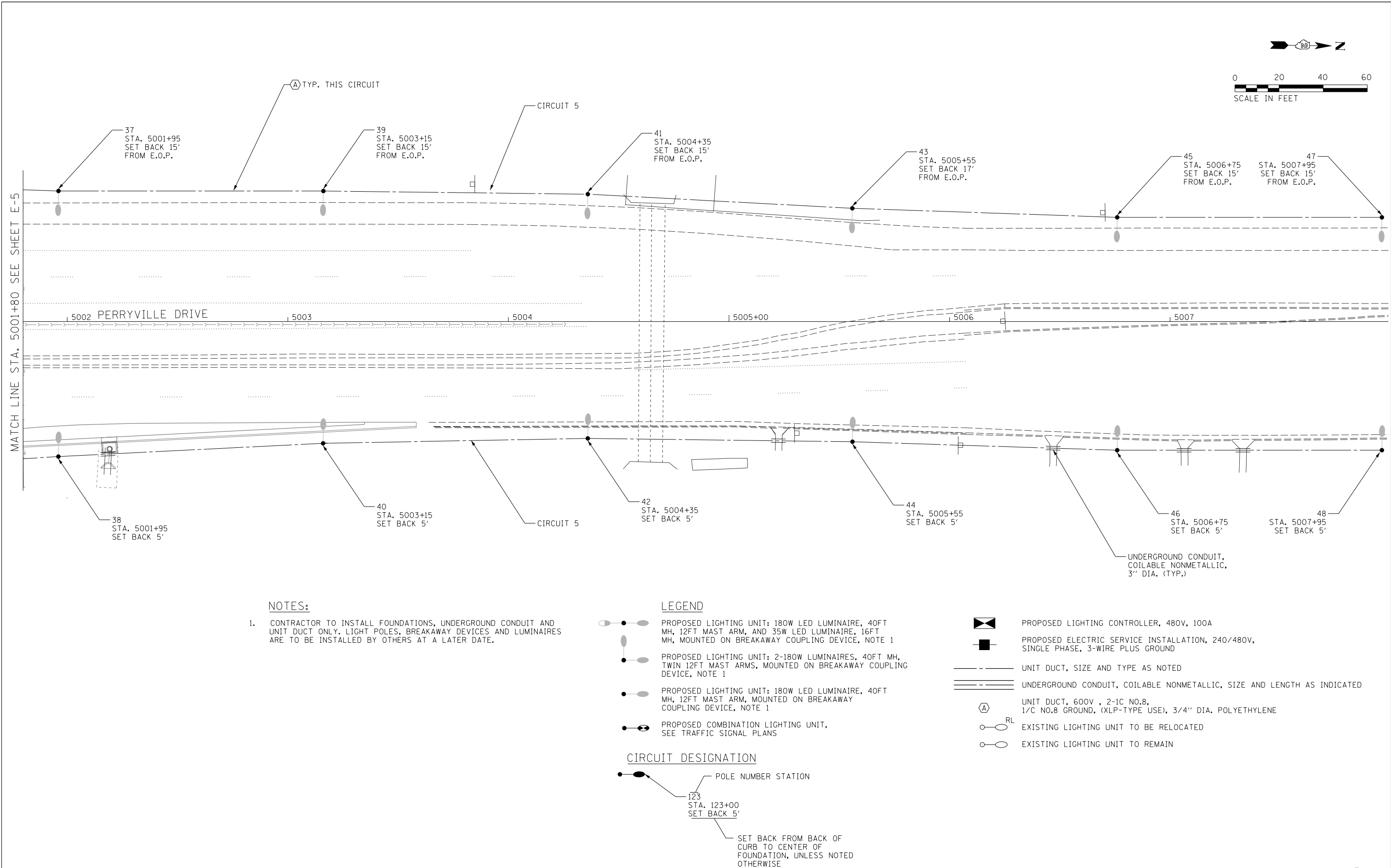
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	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN			
US 20 BUS (E. STATE STREET)			
SCALE: 1"=20'	SHEET NO. 8 OF 10 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	217
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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PLOT DATE = 6/11/2020	CHECKED - RDP	REVISED -
	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
US 20 BUS (E. STATE STREET)

SCALE: 1"=20' SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	218
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	DATE - 6/15/2020	REVISED -

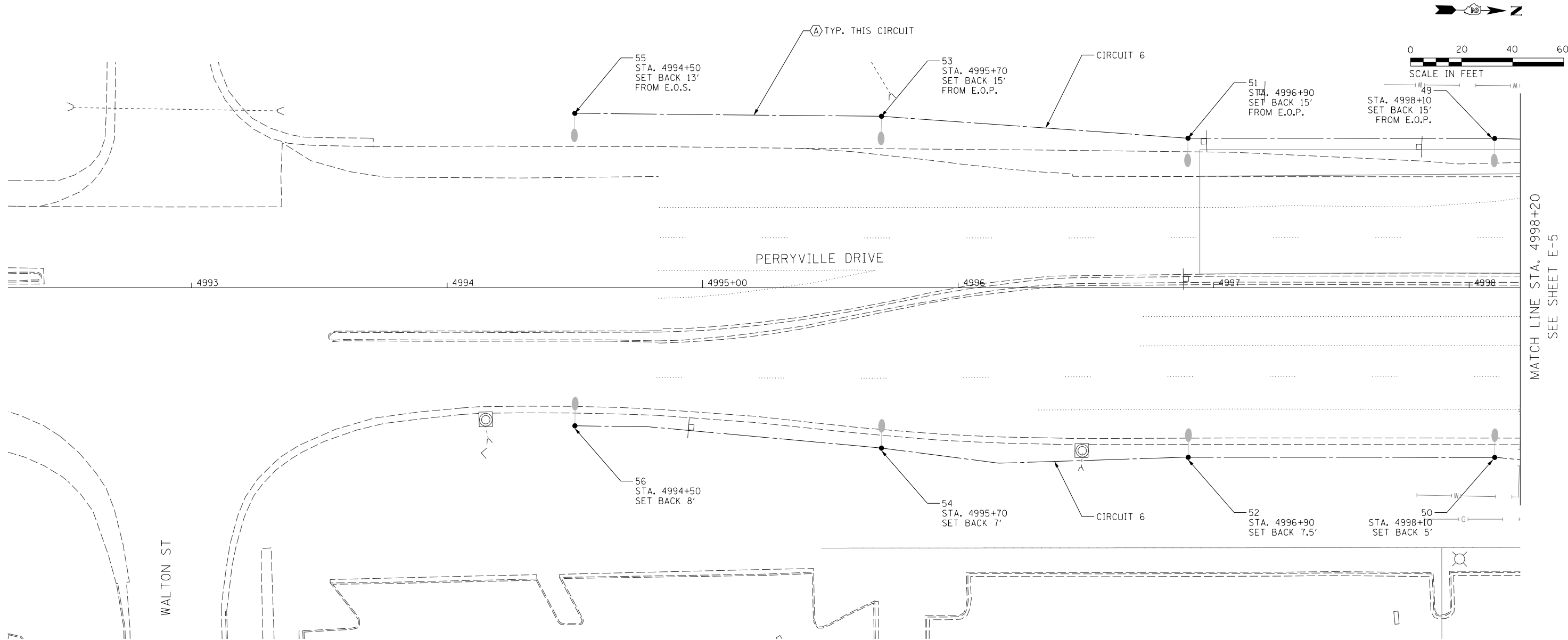
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
US 20 BUS (E. STATE STREET)

SCALE: 1"=20' SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	219
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E-11



NOTES:

- CONTRACTOR TO INSTALL FOUNDATIONS, UNDERGROUND CONDUIT AND UNIT DUCT ONLY. LIGHT POLES, BREAKAWAY DEVICES AND LUMINAIRES ARE TO BE INSTALLED BY OTHERS AT A LATER DATE.

LEGEND

- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, AND 35W LED LUMINAIRE, 16FT MH, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 2-180W LUMINAIRES, 40FT MH, TWIN 12FT MAST ARMS, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED LIGHTING UNIT: 180W LED LUMINAIRE, 40FT MH, 12FT MAST ARM, MOUNTED ON BREAKAWAY COUPLING DEVICE, NOTE 1
- PROPOSED COMBINATION LIGHTING UNIT, SEE TRAFFIC SIGNAL PLANS

CIRCUIT DESIGNATION

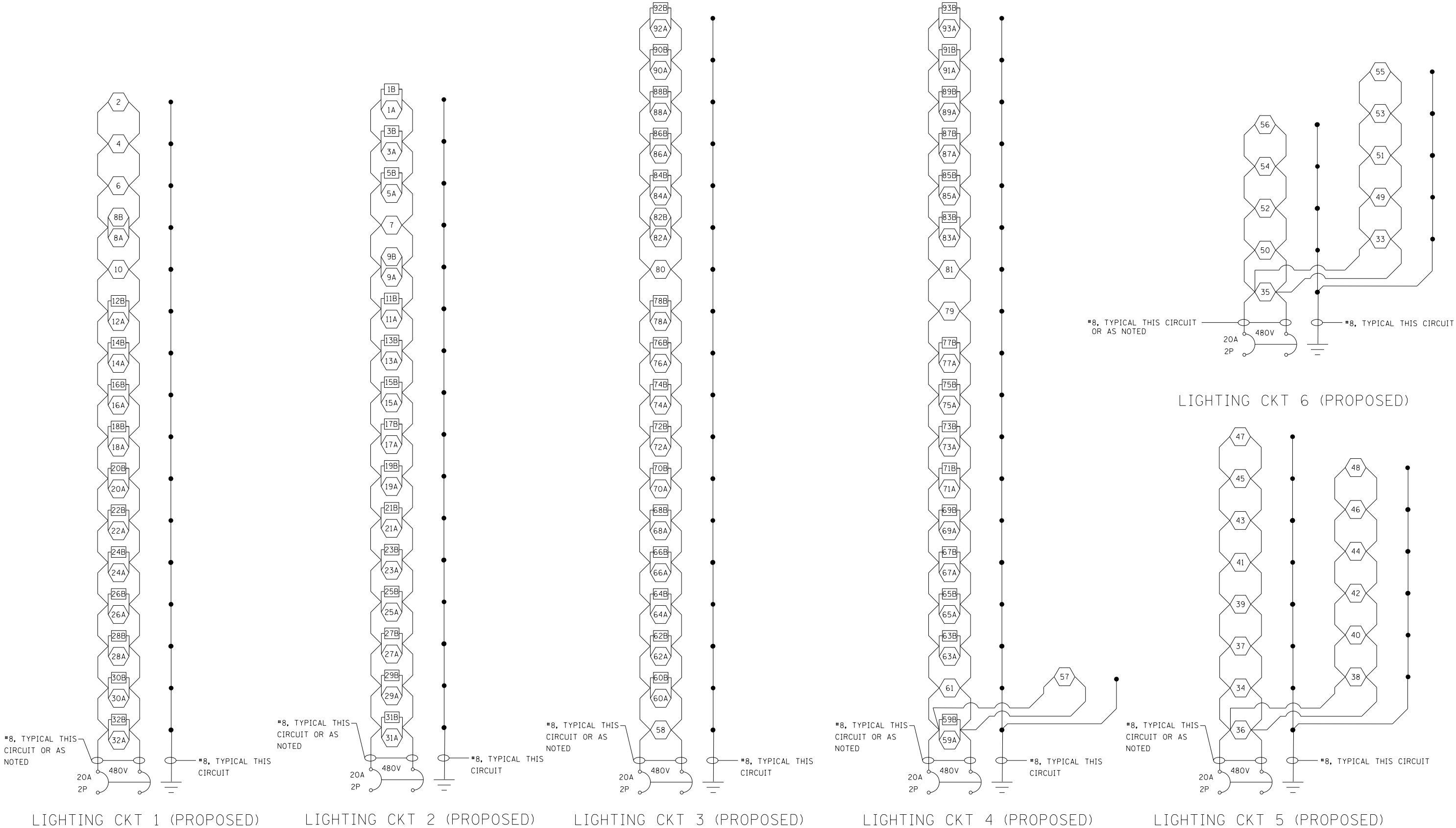
POLE NUMBER STATION

123
STA. 123+00
SET BACK 5'

SET BACK FROM BACK OF CURB TO CENTER OF FOUNDATION, UNLESS NOTED OTHERWISE

- PROPOSED LIGHTING CONTROLLER, 480V, 100A
- PROPOSED ELECTRIC SERVICE INSTALLATION, 240/480V, SINGLE PHASE, 3-WIRE PLUS GROUND
- UNIT DUCT, SIZE AND TYPE AS NOTED
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC, SIZE AND LENGTH AS INDICATED
- UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING LIGHTING UNIT TO REMAIN

LUMINAIRE WIRING DIAGRAM (PROPOSED CONTROLLER)



FOR INFORMATION ONLY
(FUTURE ELECTRICAL WORK)

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6/11/2020



USER NAME	= mgarvada
PLOT SCALE	= 40.0000' / 1in.
PLOT DATE	= 6/11/2020

DESIGNED	- SG	REVISED	-
DRAWN	- SG	REVISED	-
CHECKED	- RDP	REVISED	-
DATE	- 6/15/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAMS			
SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	220
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LUMINAIRE PERFORMANCE TABLES

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING (VERY LOW WATTAGE LED LUMINAIRE)

GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTH	10 (FT.)
	NUMBER OF LANES (IN DIRECTION OF TRAVEL)	1
	I.E.S. SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	.07
LIGHT POLE DATA:	MOUNTING HEIGHT	16 (FT.)
	MAST ARM LENGTH	2 (FT.)
	POLE SET-BACK FROM EDGE OF PAVEMENT	2 (FT.)
LUMINAIRE DATA:	LUMINAIRE TYPE	LED
	LUMINAIRE LUMENS	3,900 MINIMUM
	LUMEN DEPRECIATION FACTOR	0.90
	DIRT DEPRECIATION FACTOR	0.80
	EQUIPMENT FACTOR	0.95
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	80 (FT.)
	CONFIGURATION	SINGLE SIDED
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE	0 (FT.)

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRUBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS		
NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON TEH GIVEN CONDITIONS LISTED ABOVE		
ILLUMINANCE:	AVERAGE ILLUMINANCE: (E _{AVE})	0.5 fc
	UNIFORMITY RATIOS: (E _{AVE} /E _{MIN})	4.0:1 (MAX)

FOR INFORMATION ONLY
(FUTURE ELECTRICAL WORK)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING (LOW WATTAGE LED LUMINAIRE)

GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTH	48 (FT.)
	NUMBER OF LANES (IN DIRECTION OF TRAVEL)	4
	MEDIAN WIDTH	8 (FT.)
	I.E.S. SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	.07
LIGHT POLE DATA:	MOUNTING HEIGHT	38 (FT.)
	MAST ARM LENGTH	12 (FT.)
	POLE SET-BACK FROM EDGE OF PAVEMENT	6 (FT.)
LUMINAIRE DATA:	LUMINAIRE TYPE	LED
	LUMINAIRE LUMENS	17,000 MINIMUM
	LUMEN DEPRECIATION FACTOR	0.90
	DIRT DEPRECIATION FACTOR	0.80
	EQUIPMENT FACTOR	0.95
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	120 (FT.)
	CONFIGURATION	OPPOSITE
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE	6 (FT.)

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRUBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS		
NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON TEH GIVEN CONDITIONS LISTED ABOVE		
LUMINANCE:	AVERAGE LUMINANCE: (L _{AVE})	0.9 Cd/m ²
	UNIFORMITY RATIOS: (L _{AVE} /L _{MIN})	3.0:1 (MAX)
	(L _{MAX} /L _{MIN})	5.0:1 (MAX)
	MAXIMUM VEILING LUMINAICE RATIO: (L _V /L _{AVE})	0.3:1 (MAX)

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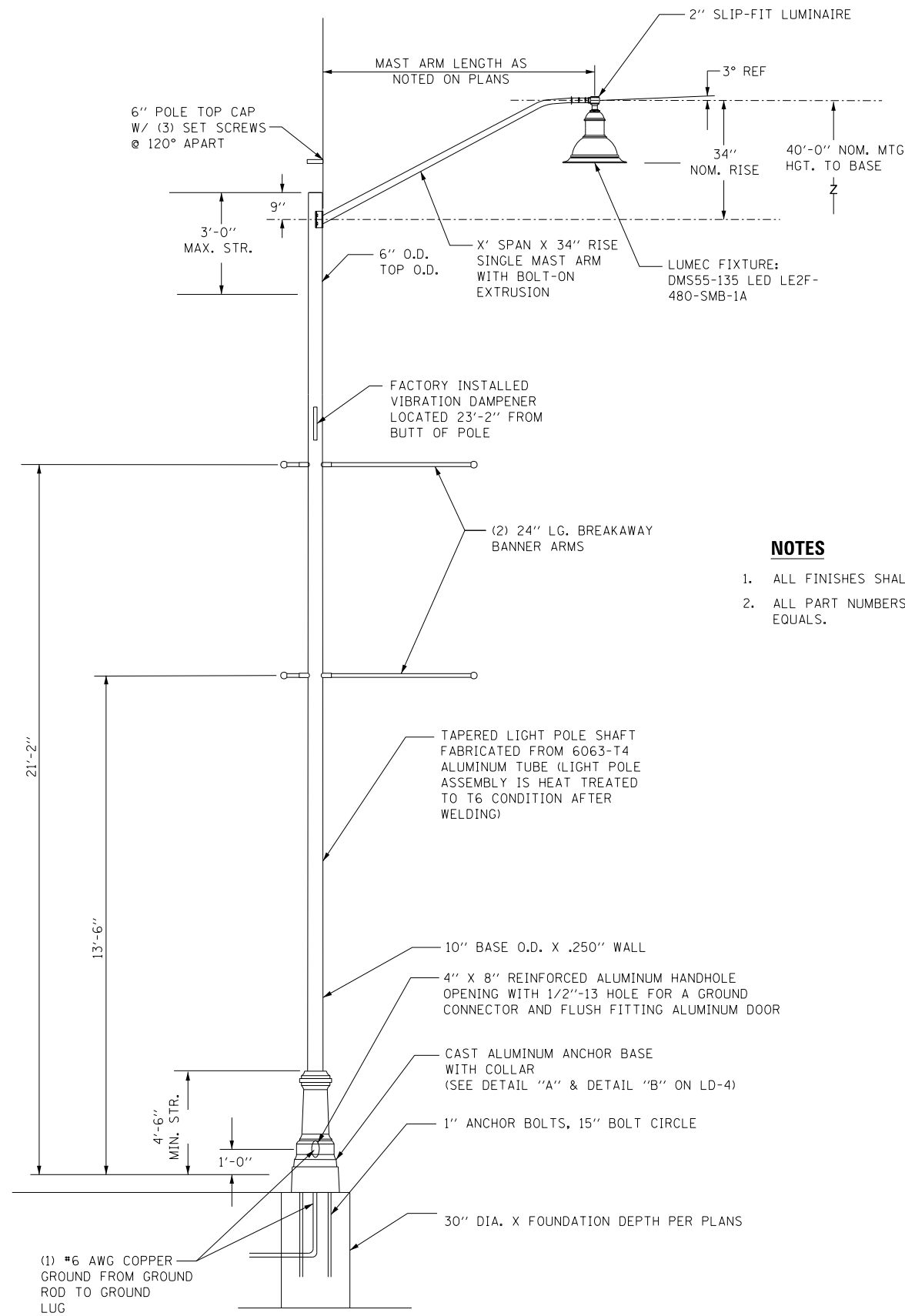
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PLOT SCALE = 40.0000' / 1in.	CHECKED - RDP	REVISED -
PLOT DATE = 6/11/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE PERFORMANCE TABLES

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

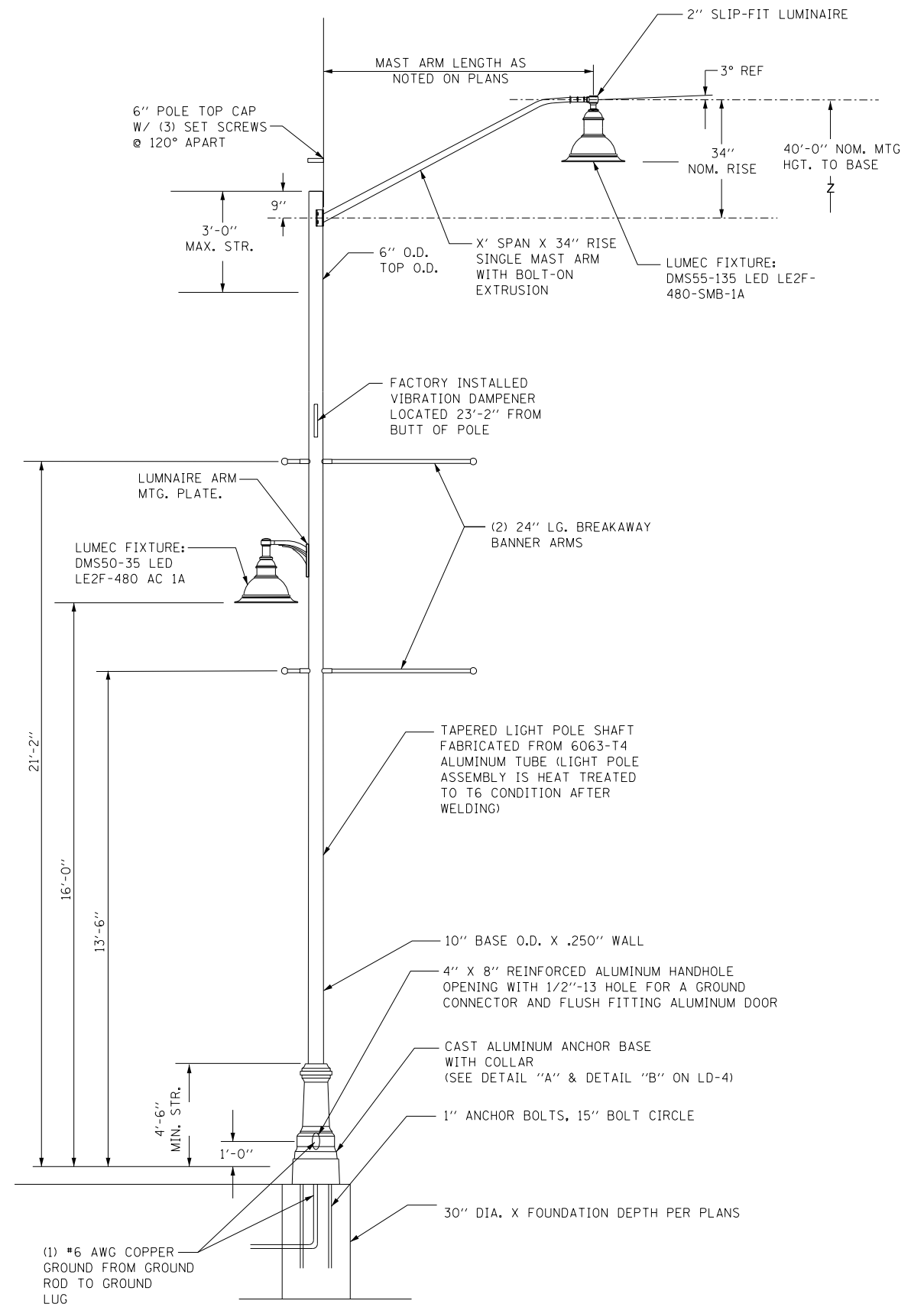
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	221
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A DECORATIVE STREET LIGHT POLE
NOT TO SCALE

NOTES

1. ALL FINISHES SHALL BE BLACK TEXTURED.
2. ALL PART NUMBERS ARE LUMEC, OR APPROVED
EQUALS.



B DECORATIVE STREET LIGHT POLE
NOT TO SCALE

FOR INFORMATION ONLY
(FUTURE ELECTRICAL WORK)

J:\303230\04_CADD\CADD_Sheets\0264L14-shft-light14.dgn
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SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

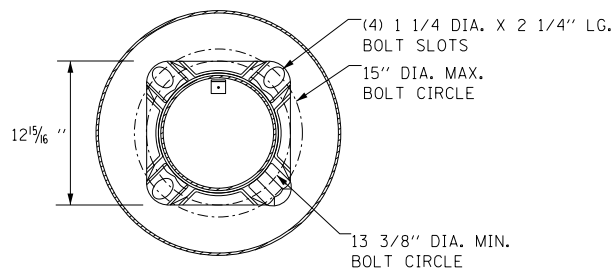
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	DRAWN - SG	REVISED -
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PLOT DATE = 6/11/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

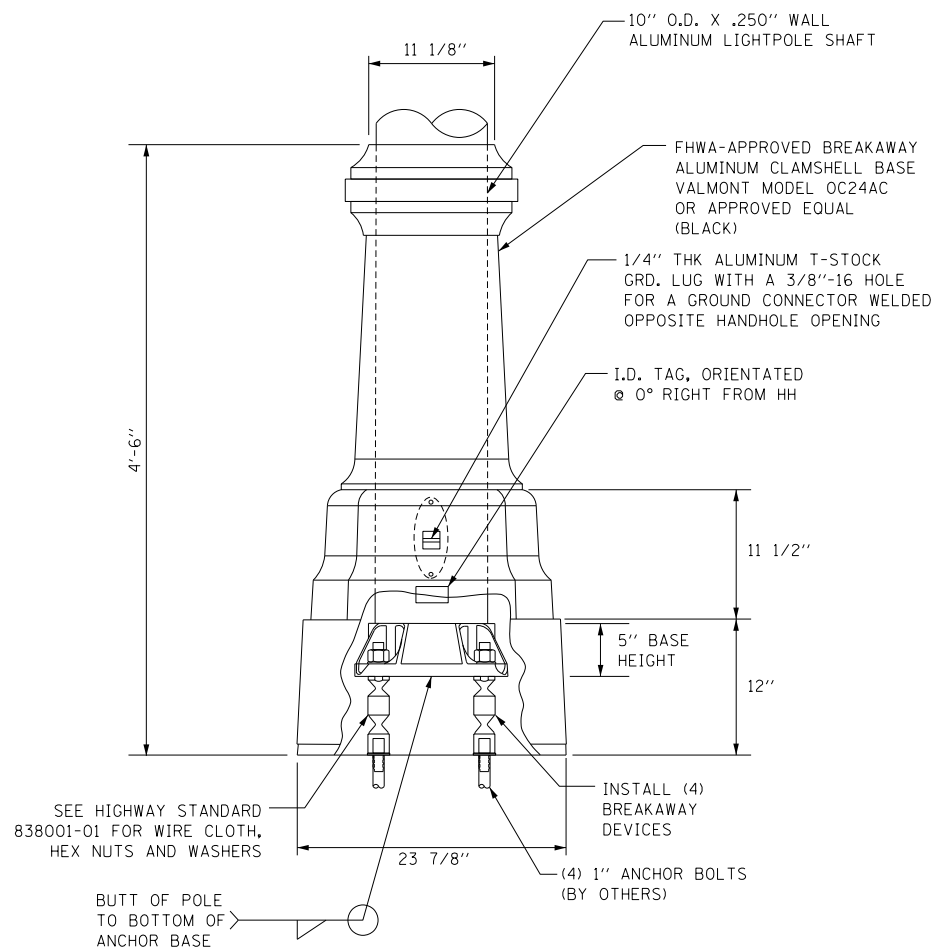
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1IN)	WINNEBAGO	306	222
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



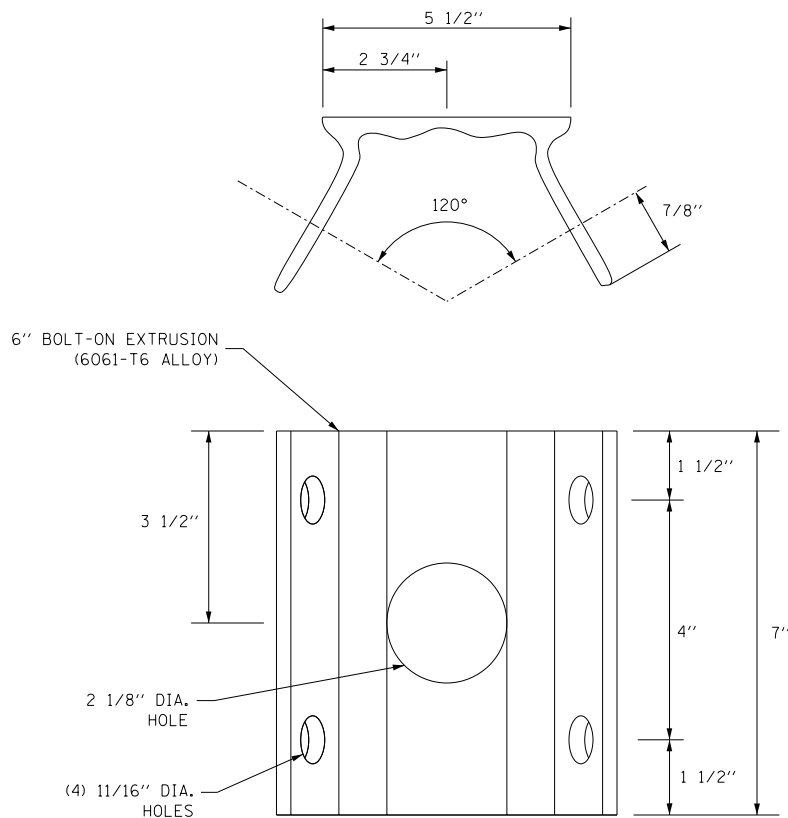
DETAIL B

NOTES:

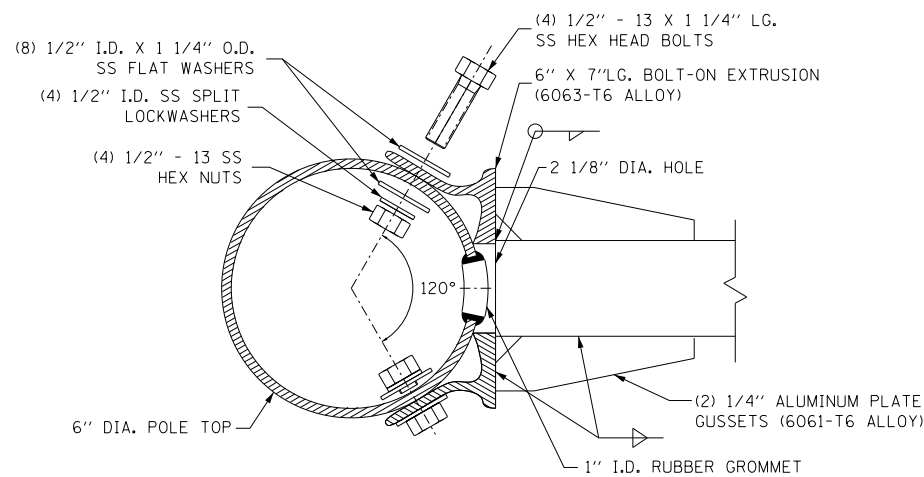
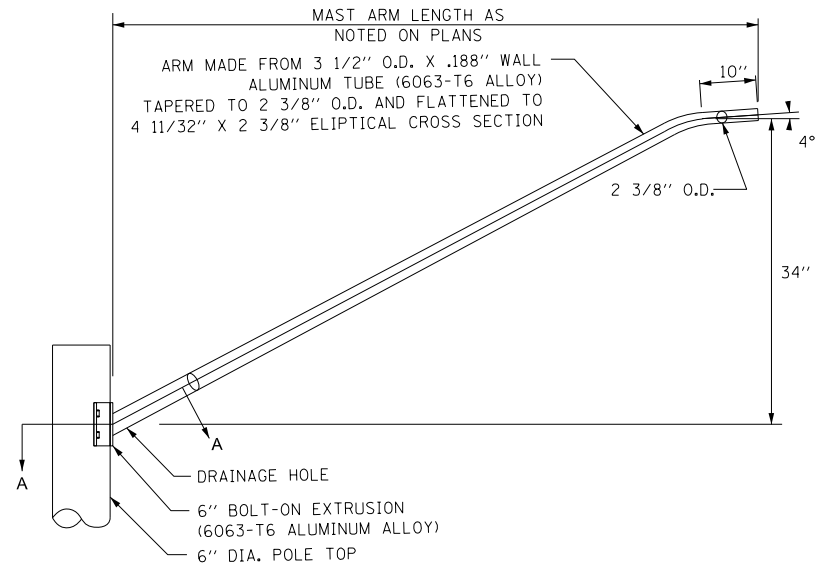
1. UNITS SHALL BE MANUFACTURED ACCORDING TO AASHTO "LRFD FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED. LIGHT POLES SHALL BE DESIGNED FOR 90 MPH WIND VELOCITY AND A MINIMUM DESIGN LIFE OF 50 YEARS.
2. POLES SHALL BE DESIGNED TO WITHSTAND LOADING OF 75 LB. LUMINAIRE WITH AN EPA OF 1.65 SQ. FT (PLUS PEDESTRIAN LUMINAIRE AND BRACKET ARM, IF APPLICABLE) INCLUDING ALL ATTACHMENTS.



DETAIL A



EXTRUSION DETAIL



SECTION A-A

FOR INFORMATION ONLY
(FUTURE ELECTRICAL WORK)

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SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = mgravida	DESIGNED - SG	REVISED -
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	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

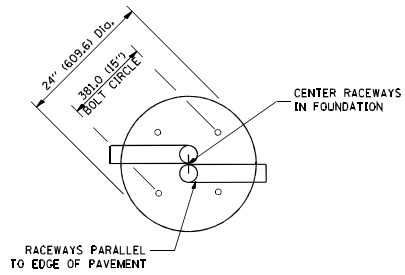
LIGHT POLE DETAILS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

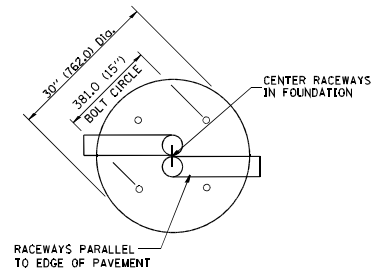
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	223
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

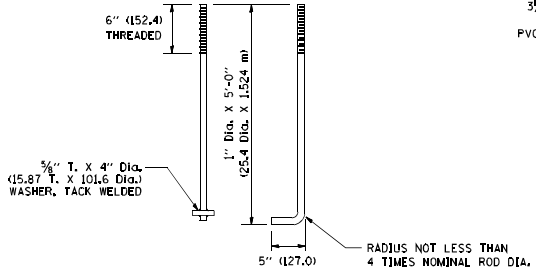
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Q _u = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Q _u = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Q _u = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



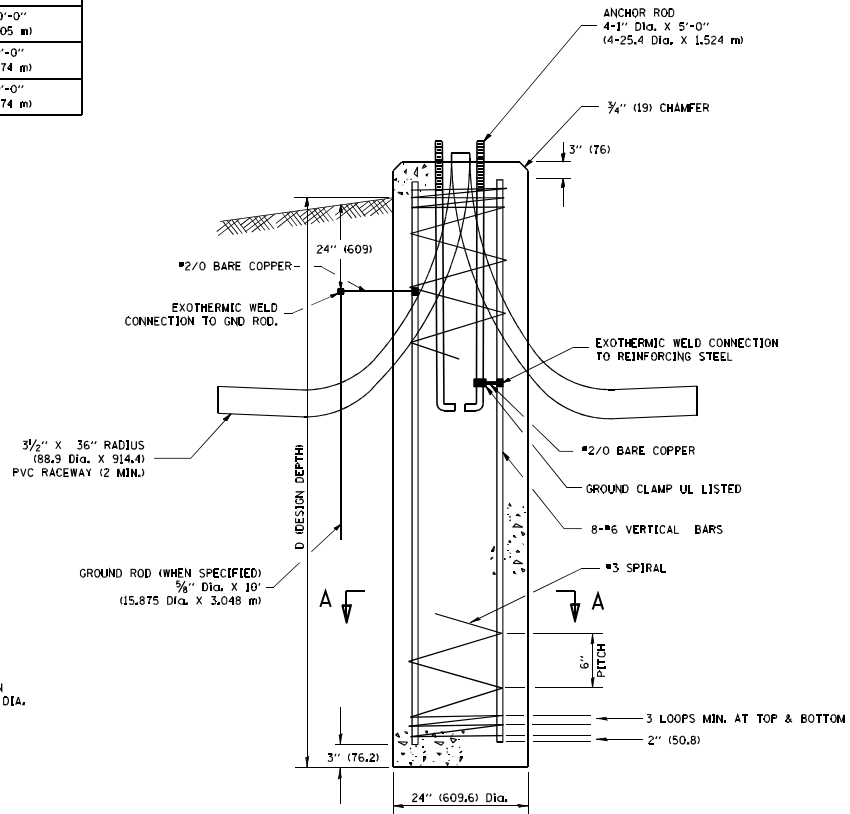
TOP VIEW



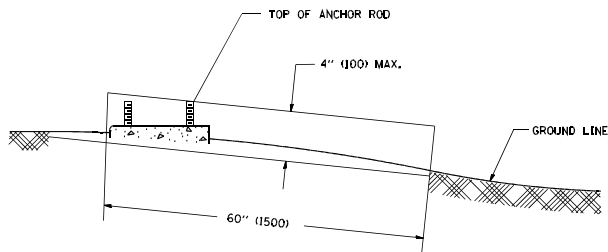
TOP VIEW



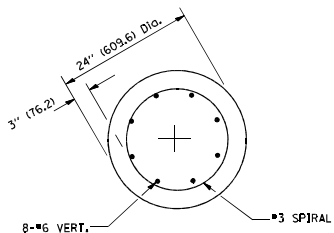
ANCHOR ROD DETAIL



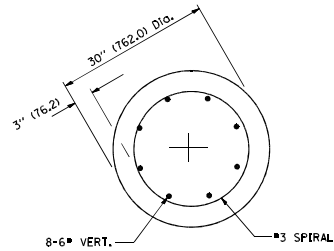
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

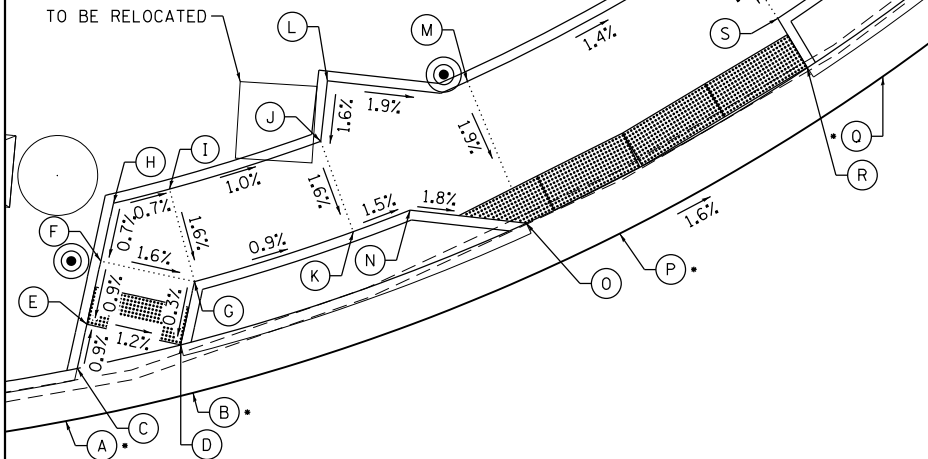


SECTION A-A

NOTES

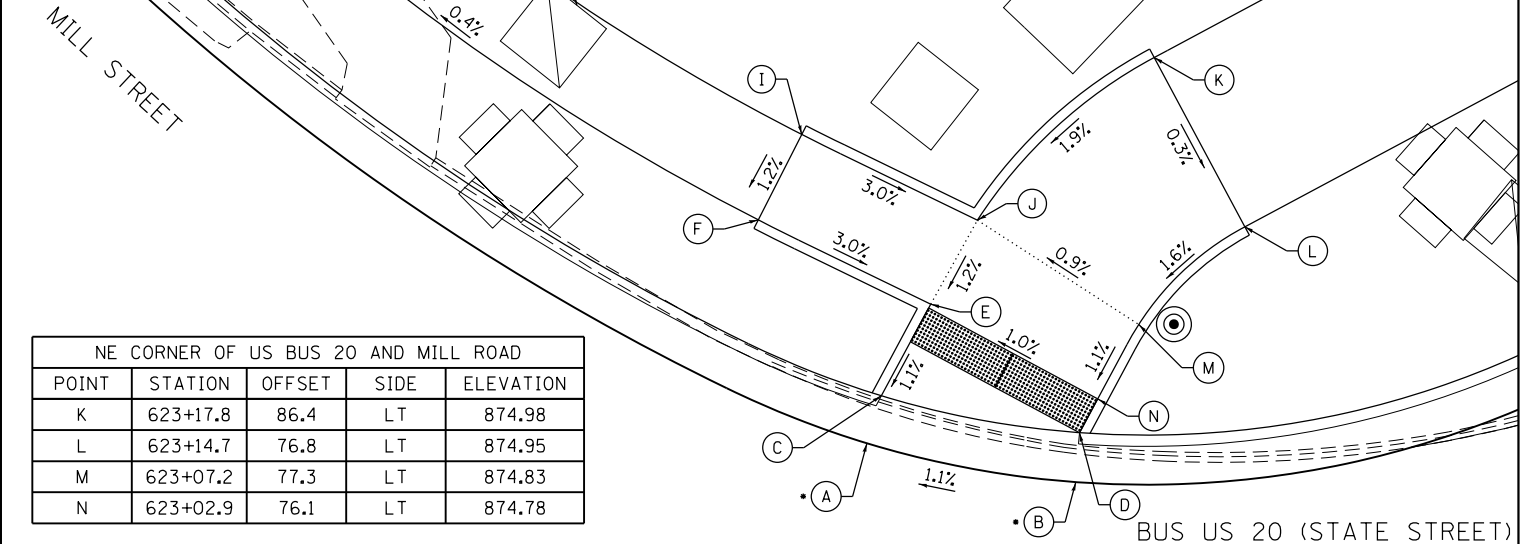
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION, IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED $\frac{3}{4}$ " IN. 120 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020J.3 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE, COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DN, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT $2\frac{3}{4}$ " (69.9 mm) ABOVE THE TOP OF THE FOUNDATION, IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

NW CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	621+39.5	55.2	LT	875.32
• B	621+44.7	56.9	LT	875.24
C	621+39.7	58.0	LT	875.28
D	621+45.0	59.8	LT	875.20
E	621+40.0	60.3	LT	875.26
F	621+40.3	63.6	LT	875.29
G	621+45.3	63.1	LT	875.21
H	621+40.7	66.7	LT	875.31
I	621+43.5	67.8	LT	875.29
J	621+51.0	71.1	LT	875.21
K	621+53.2	66.6	LT	875.13
L	621+51.0	74.3	LT	875.26



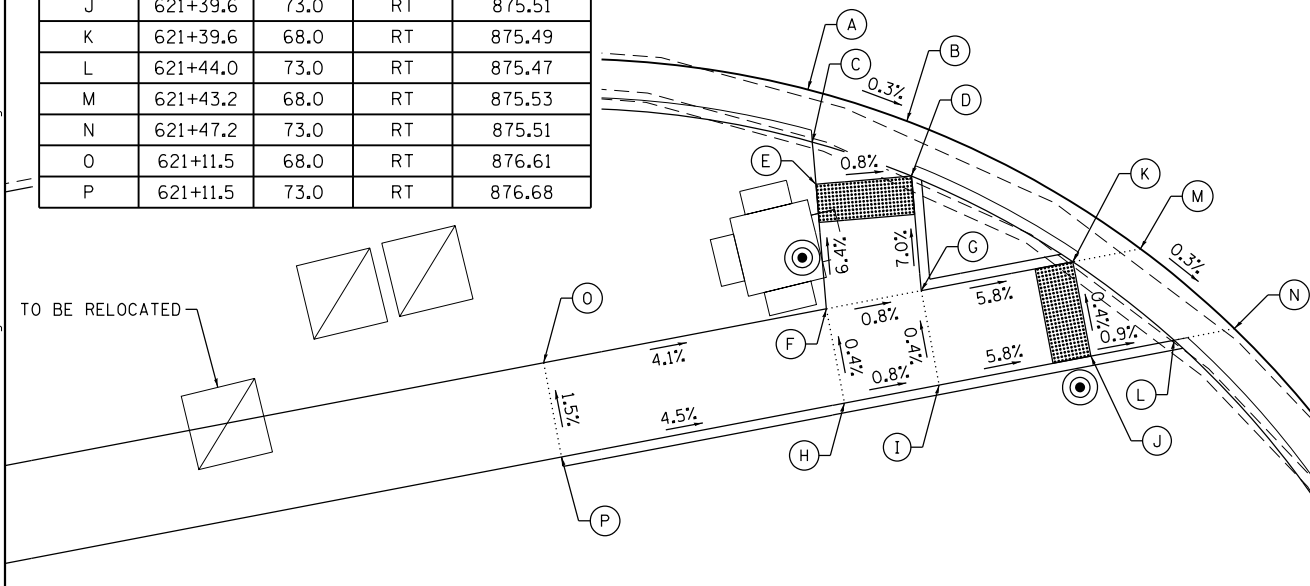
NW CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
M	621+58.3	75.1	LT	875.17
N	621+56.1	68.1	LT	875.10
O	621+62.2	68.1	LT	875.04
• P	621+67.0	68.1	LT	875.01
• Q	621+79.8	77.7	LT	874.76
R	621+75.8	77.8	LT	874.77
S	621+74.0	80.1	LT	874.82
T	621+70.8	84.0	LT	874.90
U	621+78.3	90.9	LT	875.28
V	621+81.9	87.5	LT	875.20
• W	621+91.5	107.7	LT	874.81
• X	621+96.3	107.0	LT	875.03

NE CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	622+92.7	83.6	LT	874.66
• B	622+99.1	73.9	LT	874.79
C	622+95.2	84.3	LT	874.62
D	623+01.0	75.5	LT	874.75
E	623+00.4	85.8	LT	874.68
F	622+97.3	95.3	LT	874.98
• G	622+92.0	136.3	LT	874.80
• H	622+97.0	136.0	LT	874.84
I	623+02.1	96.7	LT	875.04
J	623+05.3	87.1	LT	874.74



NE CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
K	623+17.8	86.4	LT	874.98
L	623+14.7	76.8	LT	874.95
M	623+07.2	77.3	LT	874.83
N	623+02.9	76.1	LT	874.78

SW CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	621+27.7	56.6	RT	875.59
B	621+32.5	59.2	RT	875.57
C	621+27.5	59.3	RT	875.55
D	621+32.2	62.0	RT	875.53
E	621+27.2	61.5	RT	875.57
F	621+26.5	68.0	RT	875.99
G	621+31.6	68.0	RT	875.95
H	621+26.5	73.0	RT	876.01
I	621+31.6	73.0	RT	875.97
J	621+39.6	73.0	RT	875.51
K	621+39.6	68.0	RT	875.49
L	621+44.0	73.0	RT	875.47
M	621+43.2	68.0	RT	875.53
N	621+47.2	73.0	RT	875.51
O	621+11.5	68.0	RT	876.61
P	621+11.5	73.0	RT	876.68

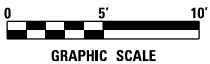
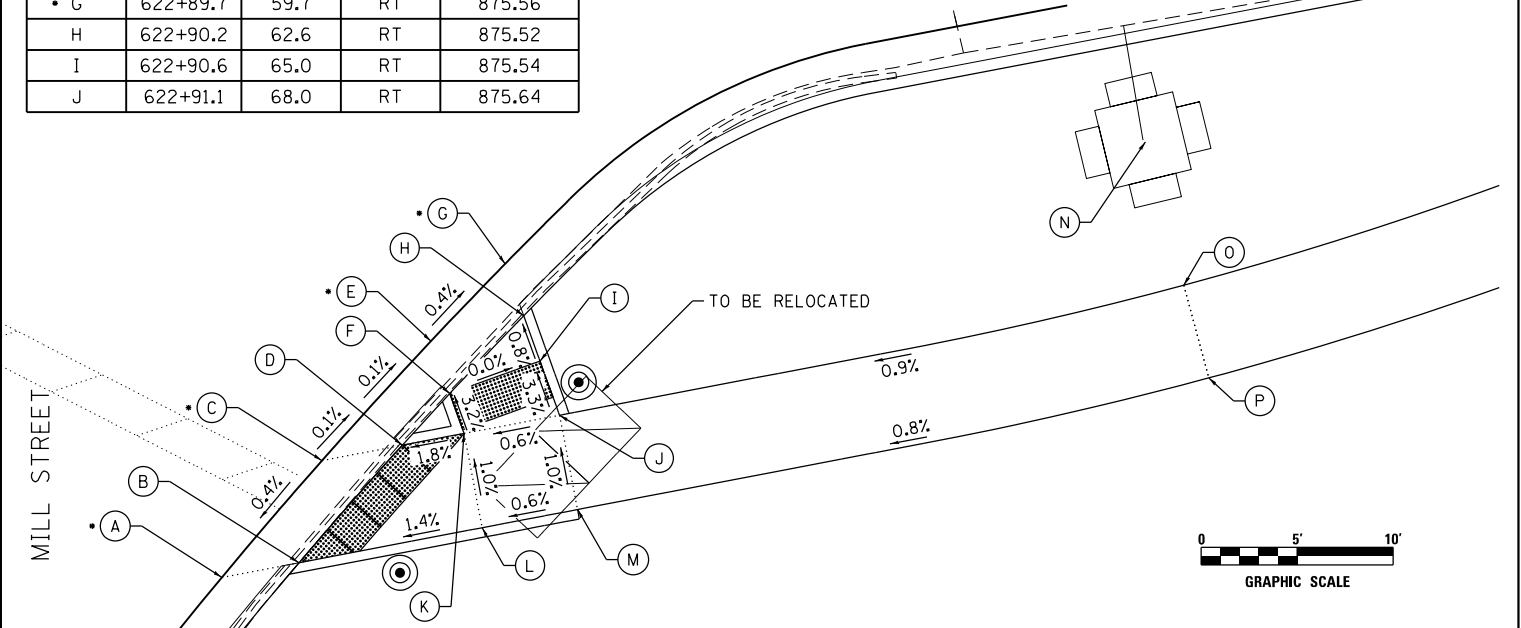


LEGEND:	
	DETECTABLE WARNING
*	EXISTING ELEVATION
	PEDESTRIAN PUSH BUTTON

BUS US 20 (STATE STREET)

SE CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	622+72.2	73.0	RT	875.56
B	622+76.3	73.0	RT	875.52
• C	622+78.5	68.0	RT	875.59
D	622+82.7	68.0	RT	875.55
• E	622+85.2	63.0	RT	875.58
F	622+85.6	65.8	RT	875.54
• G	622+89.7	59.7	RT	875.56
H	622+90.2	62.6	RT	875.52
I	622+90.6	65.0	RT	875.54
J	622+91.1	68.0	RT	875.64

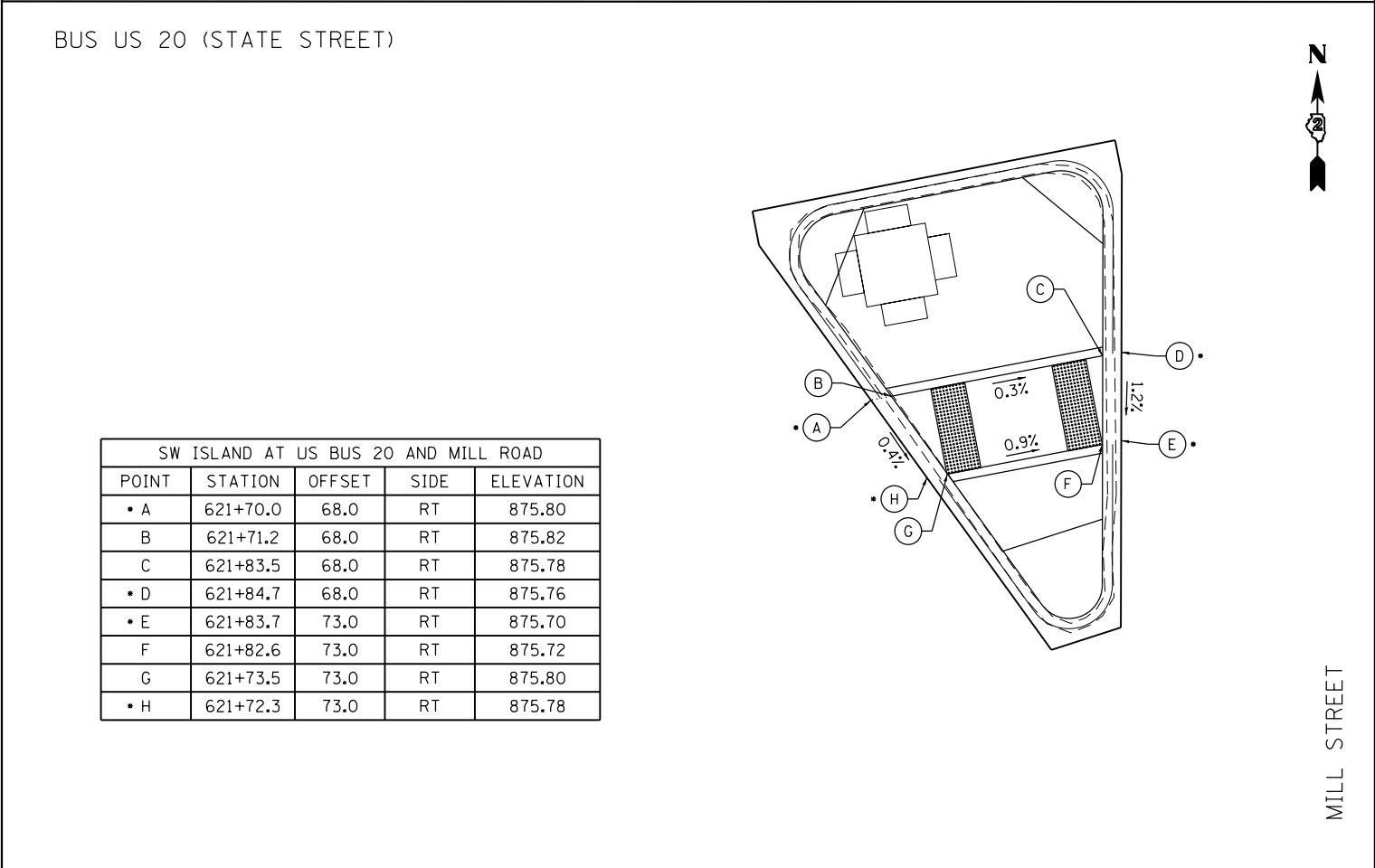
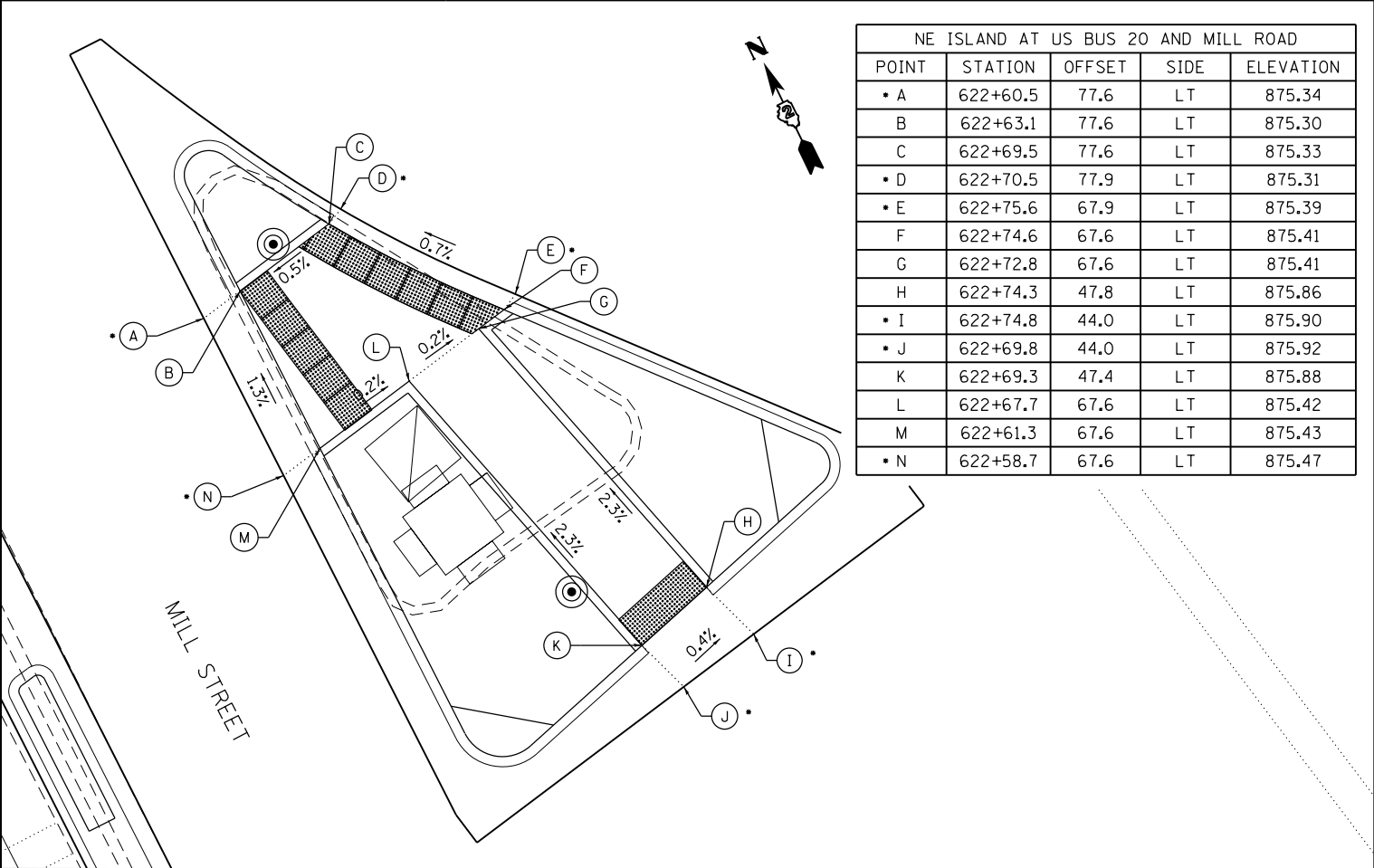
SE CORNER OF US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
K	622+86.0	68.0	RT	875.61
L	622+86.0	73.0	RT	875.66
M	622+91.1	73.0	RT	875.69
N	623+23.7	59.7	RT	874.00
O	623+24.3	67.5	RT	875.90
P	623+24.6	72.4	RT	876.00



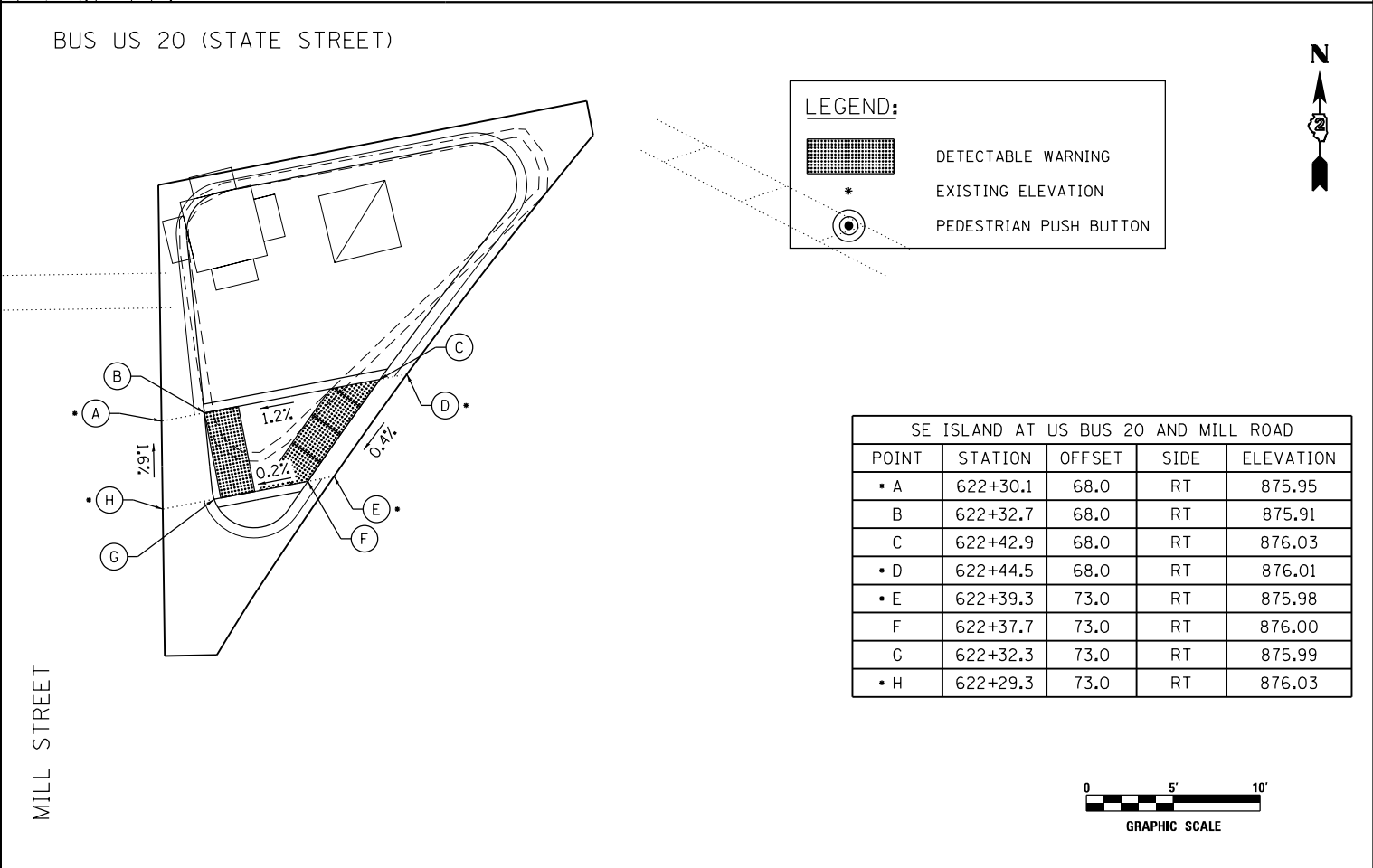
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NE ISLAND AT US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	622+60.5	77.6	LT	875.34
B	622+63.1	77.6	LT	875.30
C	622+69.5	77.6	LT	875.33
• D	622+70.5	77.9	LT	875.31
• E	622+75.6	67.9	LT	875.39
F	622+74.6	67.6	LT	875.41
G	622+72.8	67.6	LT	875.41
H	622+74.3	47.8	LT	875.86
• I	622+74.8	44.0	LT	875.90
• J	622+69.8	44.0	LT	875.92
K	622+69.3	47.4	LT	875.88
L	622+67.7	67.6	LT	875.42
M	622+61.3	67.6	LT	875.43
• N	622+58.7	67.6	LT	875.47

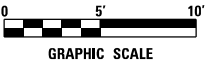


SW ISLAND AT US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	621+70.0	68.0	RT	875.80
B	621+71.2	68.0	RT	875.82
C	621+83.5	68.0	RT	875.78
• D	621+84.7	68.0	RT	875.76
• E	621+83.7	73.0	RT	875.70
F	621+82.6	73.0	RT	875.72
G	621+73.5	73.0	RT	875.80
• H	621+72.3	73.0	RT	875.78

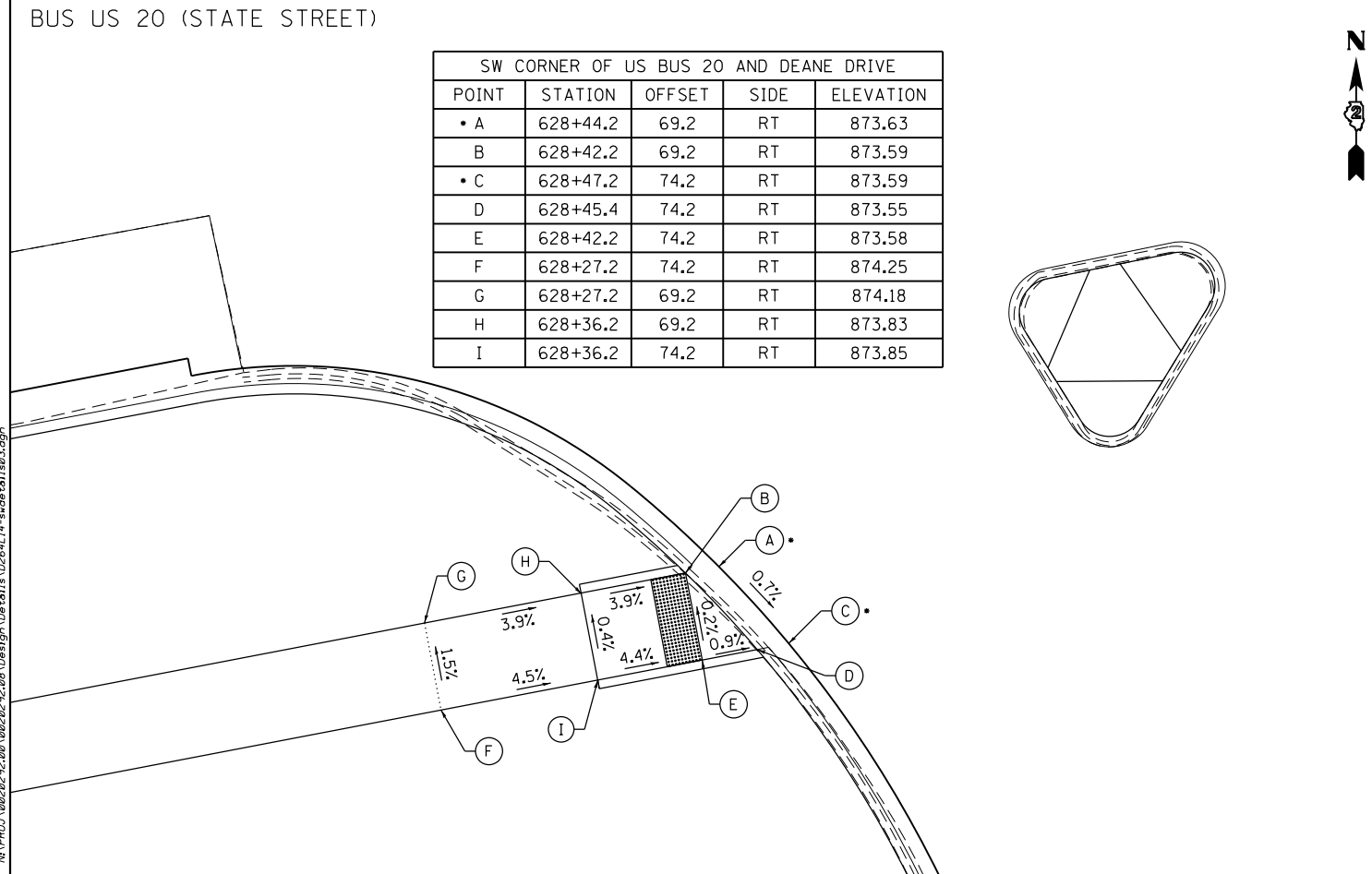
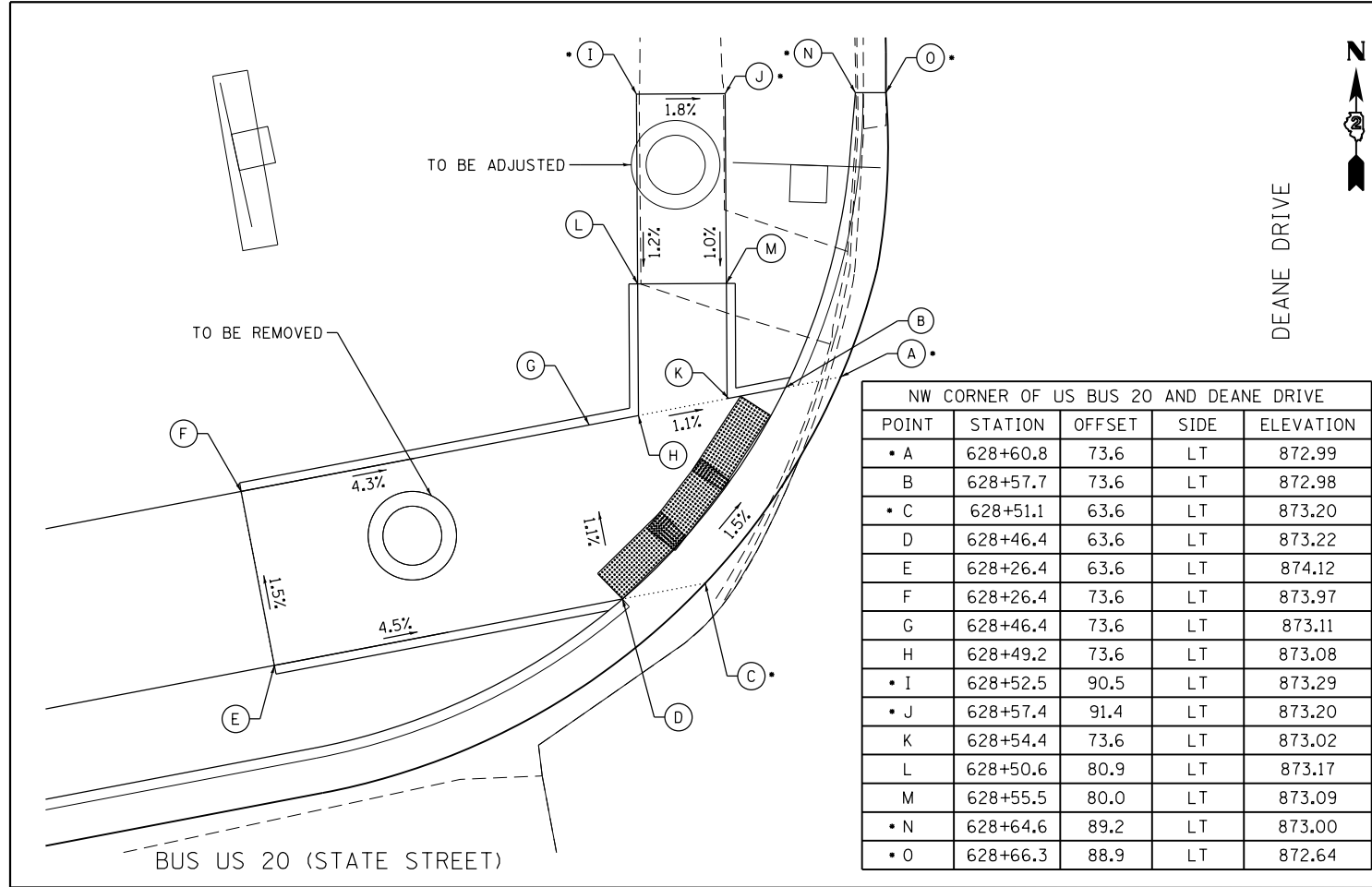


LEGEND:	
	DETECTABLE WARNING
	EXISTING ELEVATION
	PEDESTRIAN PUSH BUTTON

SE ISLAND AT US BUS 20 AND MILL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	622+30.1	68.0	RT	875.95
B	622+32.7	68.0	RT	875.91
C	622+42.9	68.0	RT	876.03
• D	622+44.5	68.0	RT	876.01
• E	622+39.3	73.0	RT	875.98
F	622+37.7	73.0	RT	876.00
G	622+32.3	73.0	RT	875.99
• H	622+29.3	73.0	RT	876.03

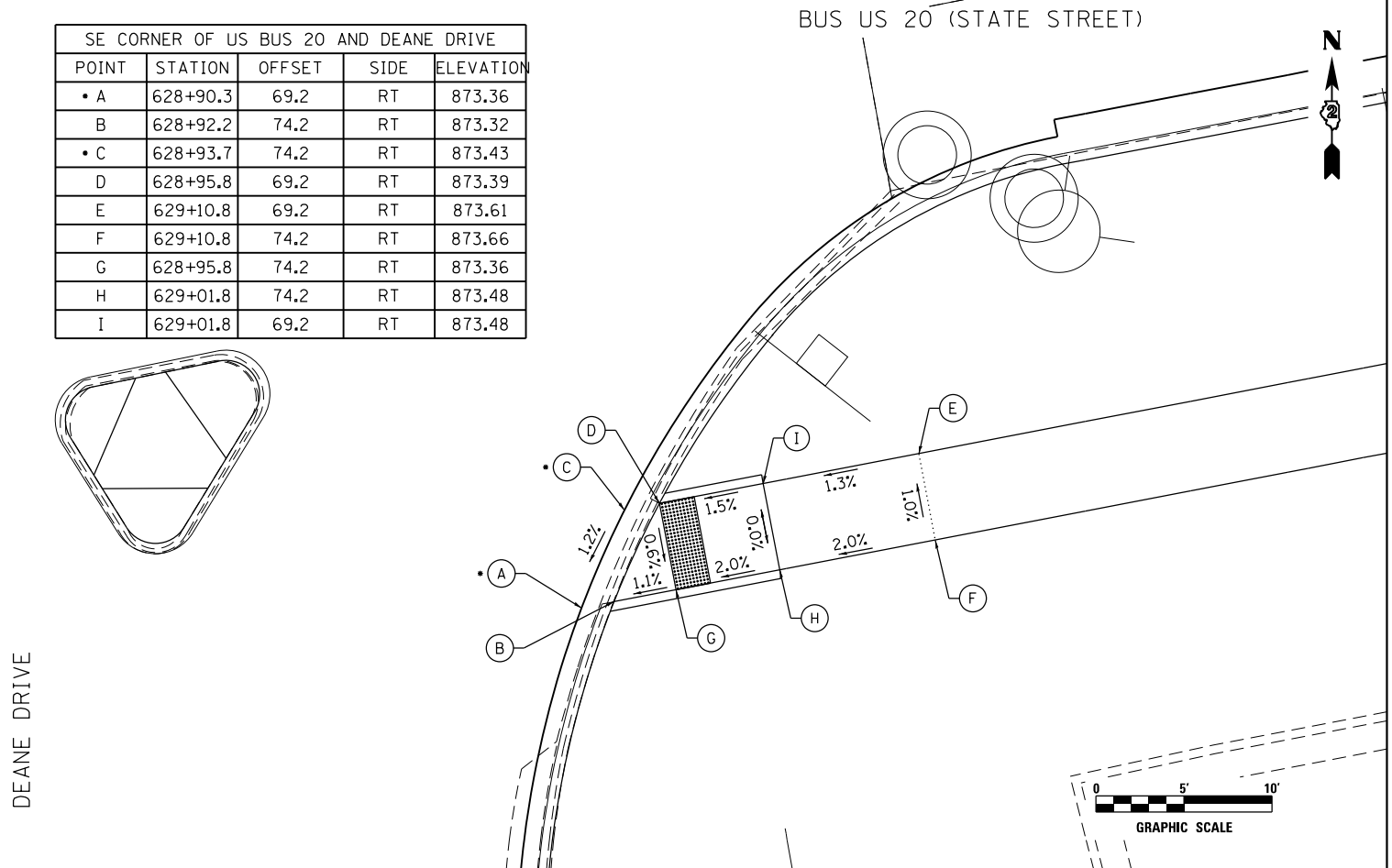
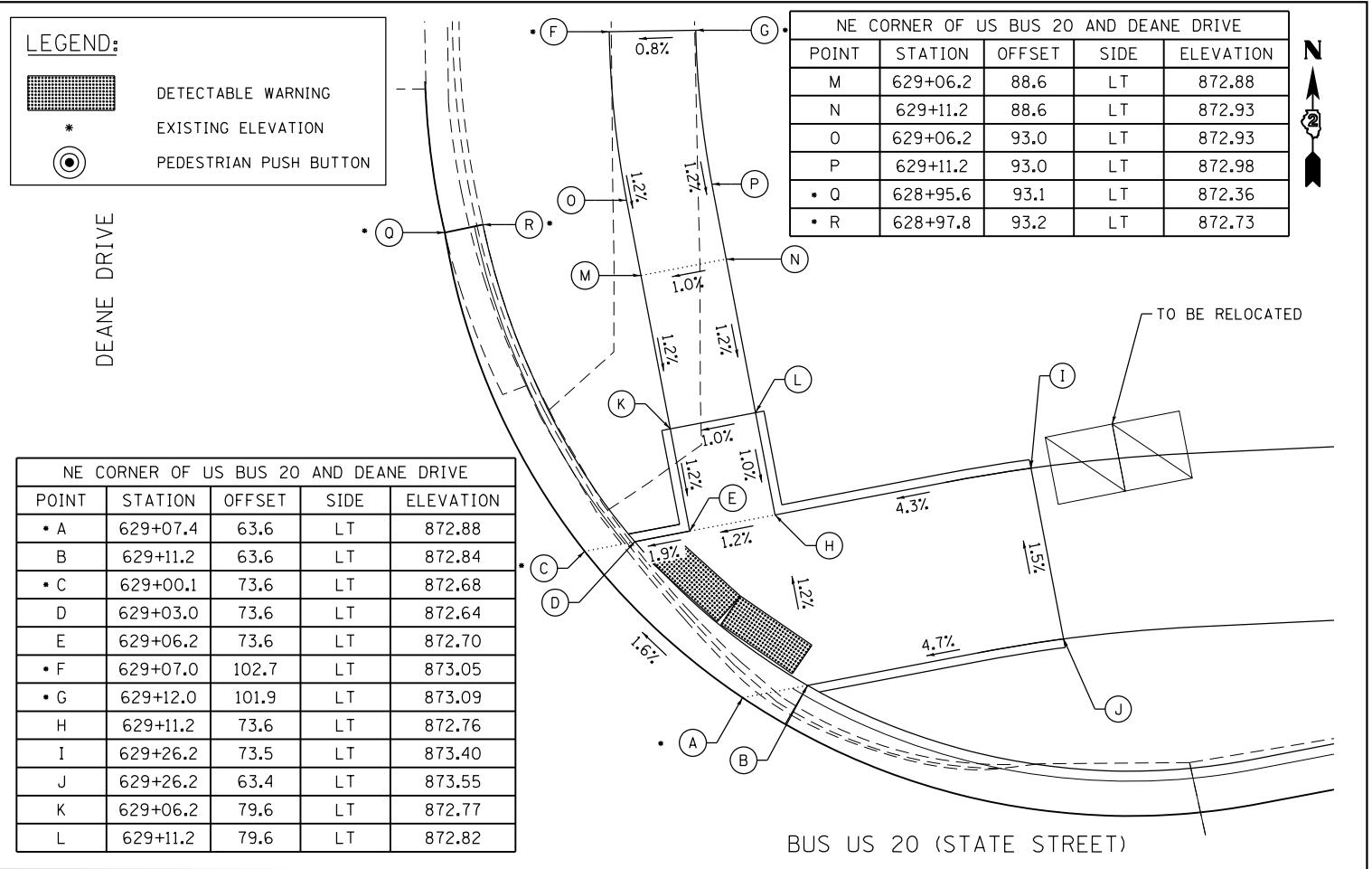


 ENGINEERING CONSULTANT 8725 W. Higgins Road, Suite 600, Chicago, IL 60631 773.775.4009 www.ciorba.com	USER NAME = Roadway	DESIGNED - EPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 BUS (E STATE STREET) SIDEWALK DETAILS				FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / 1"	DRAWN - NT	REVISED -						517	(2Y-1)N	WINNEBAGO	306	226
	PLOT DATE = 6/12/2020	CHECKED - DJO	REVISED -		CONTRACT NO. 64L14								
	DATE = 6/15/2020	REVISED -	ILLINOIS FED. AID PROJECT										
	SCALE: 1" = 5'				SHEET NO. 2 OF 10 SHEETS STA. TO STA.								



	ENGINEERING CONSULTANT	USER NAME = Roadway	DESIGNED - EPS	REVISED -
			DRAWN - NT	REVISED -
		PLOT SCALE = 10.0000' / 1"	CHECKED - DJO	REVISED -
		PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

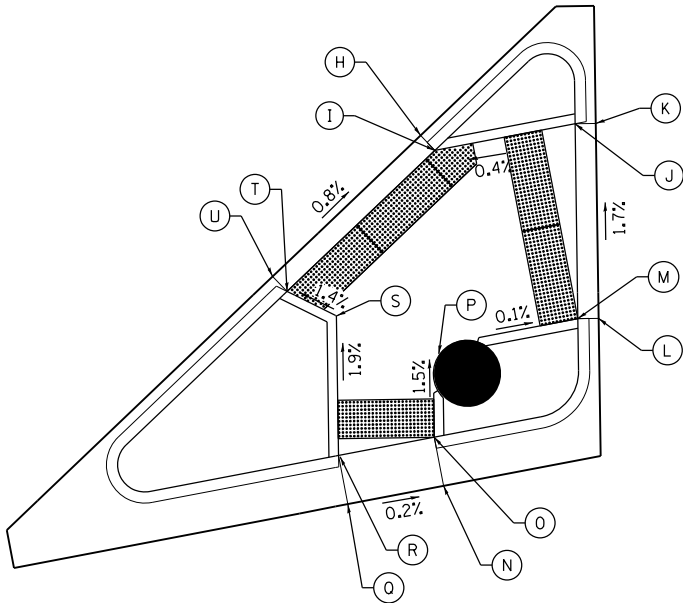
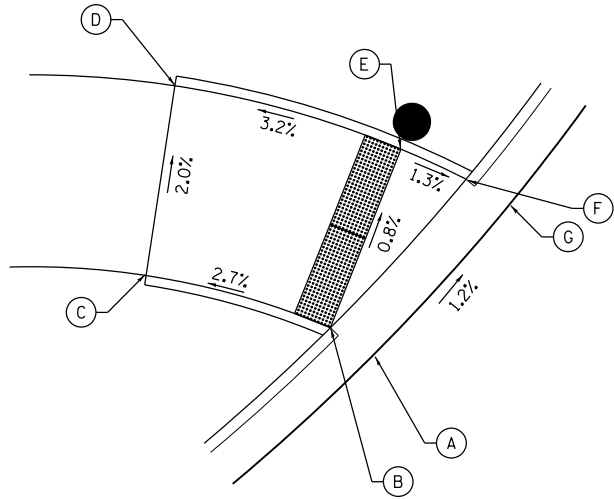


US 20 BUS (E STATE STREET) SIDEWALK DETAILS			
SCALE: 1" = 5'	SHEET NO. 3 OF 10 SHEETS	STA.	TO STA.

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	227
CONTRACT NO. 64L14				
ILLINOIS FED. AID PROJECT				

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NW CORNER OF US BUS 20 AND PERRYVILLE ROAD			
POINT	STA	OFFSET	ELEV
A	635+03.00	77.9 LT	871.23
B	635+01.4	80.0 LT	871.19
C	634+92.5	84.4 LT	870.92
D	634+95.8	93.9 LT	870.72
E	635+06.8	88.4 LT	871.11
F	635+09.8	86.2 LT	871.06
G	635+11.4	84.2 LT	871.10
H	635+31.6	70.1 LT	871.60
I	635+32.5	69.1 LT	871.62
J	635+39.6	69.1 LT	871.65
K	635+40.6	69.0 LT	871.63
L	635+38.9	59.0 LT	871.80
M	635+37.9	59.1 LT	871.82
N	635+29.4	51.9 LT	871.92
O	635+29.4	54.5 LT	871.88
P	635+30.2	59.1 LT	871.81
Q	635+24.3	51.9 LT	871.93
R	635+24.3	54.5 LT	871.89
S	635+25.6	61.6 LT	871.75
T	635+23.3	63.4 LT	871.71
U	635+22.7	64.3 LT	871.69

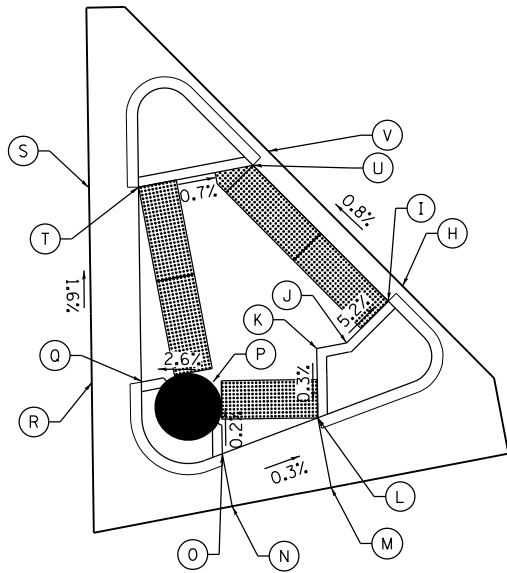


BUS US 20 (STATE STREET)

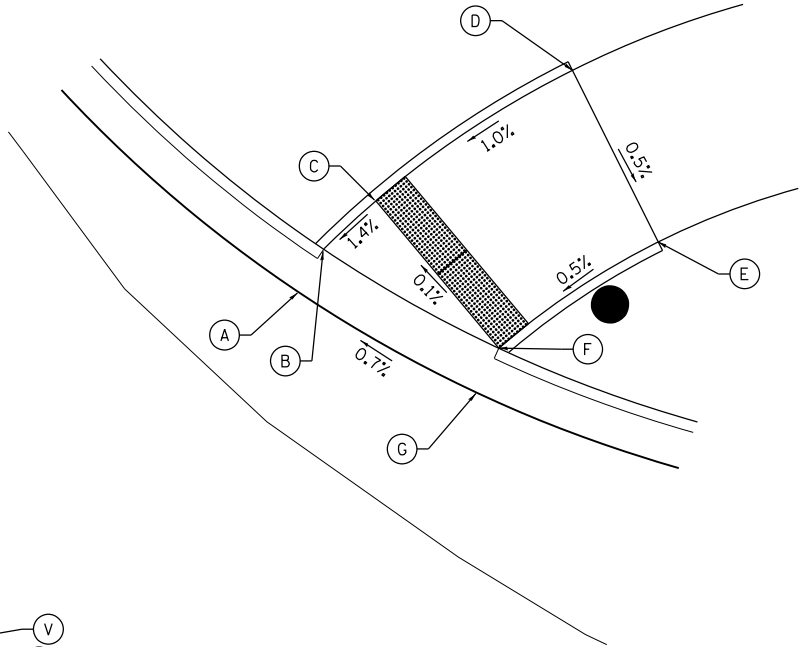


PERRYVILLE ROAD

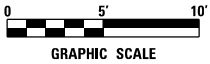
PERRYVILLE ROAD



BUS US 20 (STATE STREET)



NE CORNER OF US BUS 20 AND PERRYVILLE ROAD			
POINT	STA	OFFSET	ELEV
A	636+71.1	84.3 LT	870.82
B	636+72.9	86.1 LT	870.78
C	636+76.0	88.1 LT	870.83
D	636+87.4	92.9 LT	870.95
E	636+90.1	83.2 LT	870.90
F	636+80.9	79.3 LT	870.85
G	636+79.0	77.2 LT	870.89
H	636+54.4	61.5 LT	871.46
I	636+53.5	60.9 LT	871.44
J	636+51.0	59.1 LT	871.60
K	636+49.4	59.1 LT	871.64
L	636+48.8	55.6 LT	871.63
M	636+48.8	51.9 LT	871.69
N	636+43.5	59.1 LT	871.72
O	636+43.5	54.7 LT	871.67
P	636+44.0	58.7 LT	871.66
Q	636+40.1	59.1 LT	871.56
R	636+37.5	59.6 LT	871.60
S	636+39.3	69.6 LT	871.44
T	636+41.8	69.1 LT	871.40
U	636+47.9	69.1 LT	871.36
V	636+48.8	69.8 LT	871.38



ENGINEERING CONSULTANT



DAVID MASON
+ ASSOCIATES

800 South Vandeventer
St. Louis, Missouri 63110 Tel. 314.534.1030

USER NAME = idotced

PLOT SCALE = 10.0000' / 1"

PLOT DATE = 6/10/2020

DESIGNED - WG

DRAWN - WG

CHECKED - DJ

DATE - 6/15/2020

REVISED -

REVISED -

REVISED -

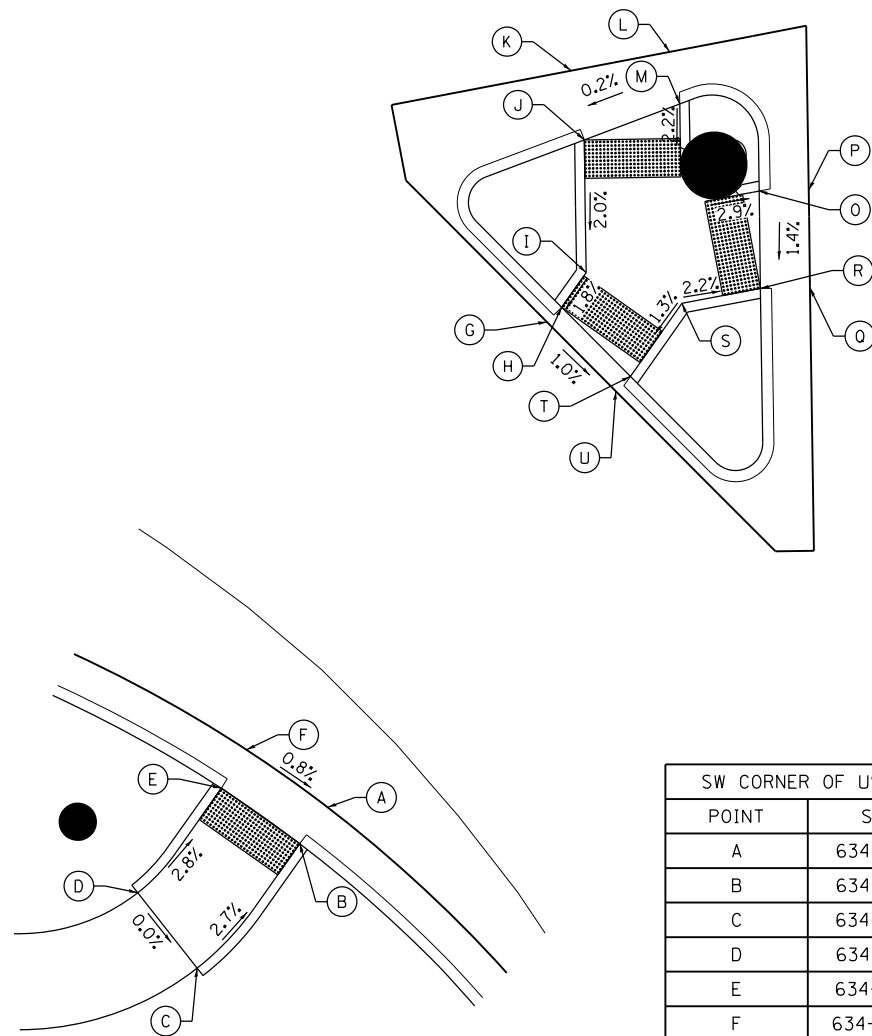
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US BR 20 (E STATE STREET)
SIDEWALK DETAILS

SCALE: 1" = 5' SHEET NO. 4 OF 10 SHEETS STA. TO STA.

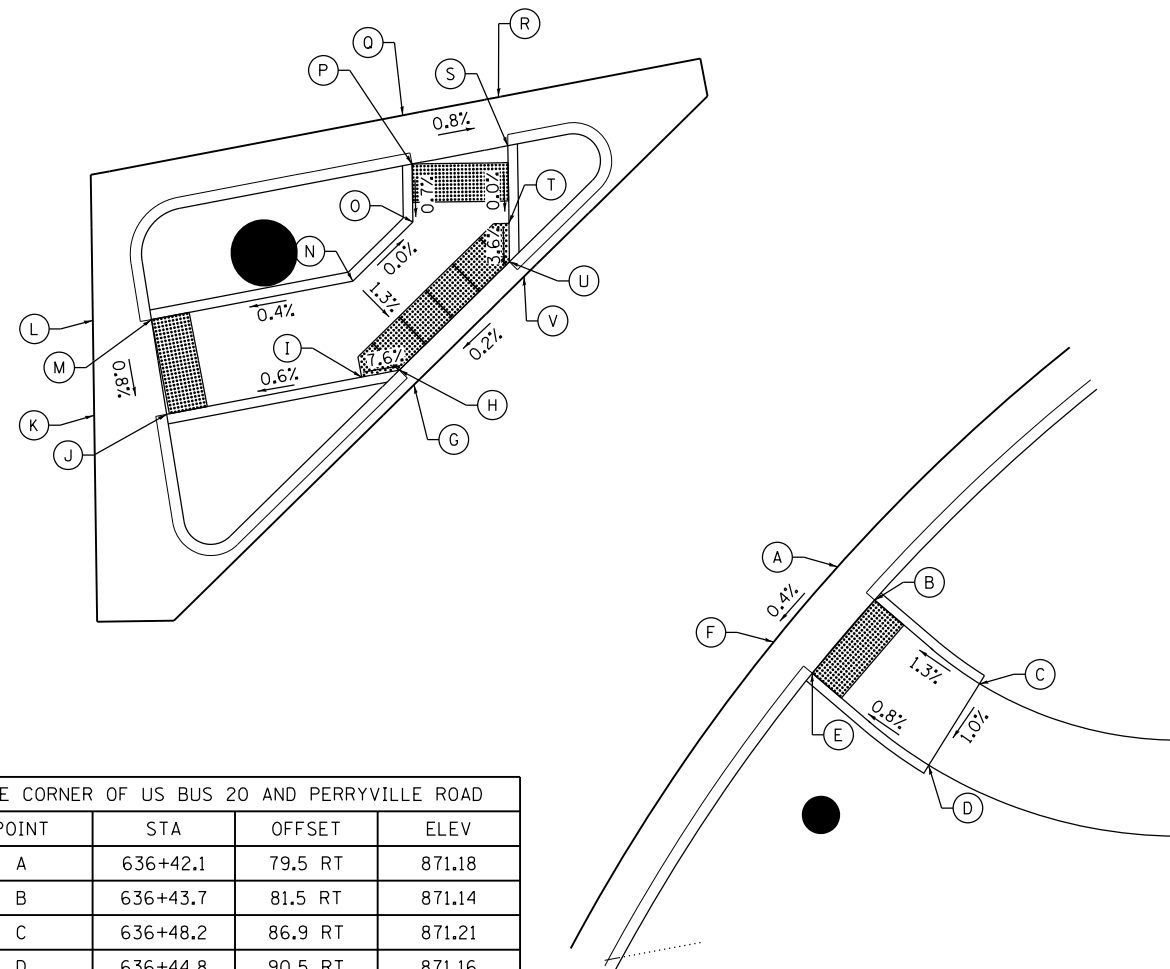
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	228
CONTRACT NO. 64L14				
ILLINOIS FED. AID PROJECT				



SW CORNER OF US BUS 20 AND PERRYVILLE ROAD			
POINT	STA	OFFSET	ELEV
A	634+85.3	87.3 RT	871.36
B	634+83.4	89.0 RT	871.32
C	634+77.0	94.4 RT	871.55
D	634+74.7	89.8 RT	871.55
E	634+80.0	85.4 RT	871.36
F	634+81.78	83.6 RT	871.40
G	635+01.2	64.7 RT	871.99
H	635+02.1	64.1 RT	871.97
I	635+03.7	62.6 RT	872.01
J	635+04.9	55.8 RT	872.15
K	635+04.9	52.1 RT	872.18
L	635+10.1	52.1 RT	872.18
M	635+10.1	54.9 RT	872.16
N	635+09.9	59.5 RT	872.06
O	635+13.3	60.1 RT	871.96
P	635+15.9	60.6 RT	872.00
Q	636+15.0	65.6 RT	871.93
R	635+12.4	65.1 RT	871.89
S	635+08.3	65.1 RT	871.98
T	635+05.0	68.3 RT	871.92
U	635+04.0	68.9 RT	871.94

PERRYVILLE ROAD

PERRYVILLE ROAD



SE CORNER OF US BUS 20 AND PERRYVILLE ROAD			
POINT	STA	OFFSET	ELEV
A	636+42.1	79.5 RT	871.18
B	636+43.7	81.5 RT	871.14
C	636+48.2	86.9 RT	871.21
D	636+44.8	90.5 RT	871.16
E	636+39.8	84.7 RT	871.12
F	636+38.1	82.7 RT	871.16
G	636+22.2	66.0 RT	871.70
H	636+21.3	65.1 RT	871.68
I	636+19.6	65.1 RT	871.81
J	636+09.3	65.1 RT	871.75
K	636+05.6	64.5 RT	871.78
L	636+06.4	59.6 RT	871.83
M	636+09.4	60.1 RT	871.81
N	636+20.1	60.1 RT	871.85
O	636+23.8	57.7 RT	871.85
P	636+24.3	54.7 RT	871.83
Q	636+24.3	52.1 RT	871.80
R	636+29.4	52.1 RT	871.78
S	636+29.4	54.7 RT	871.81
T	636+28.7	58.7 RT	871.81
U	636+28.3	60.6 RT	871.74
V	636+28.9	61.5 RT	871.76

0 5'

GRAPHIC SCALE

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PLOT CONFIG = \$PLTDRVL\$
FILE NAME = I:\2016283-00 - Cor-ba 100T US 20\D264L14\CADD_Sheets\D264L14-229-swdet85.dgn

ENGINEERING CONSULTANT

DM DAVID MASON
+ ASSOCIATES

800 South Vandewater • St. Louis, Missouri 63110 Tel. 314.534.1031
davidmason.com

USER NAME = idotcad
PLOT SCALE = 10.0000
PLOT DATE = 6/10/20

DESIGNED	-	WG
DRAWN	-	WG
CHECKED	-	DJ
DATE	-	6/15/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

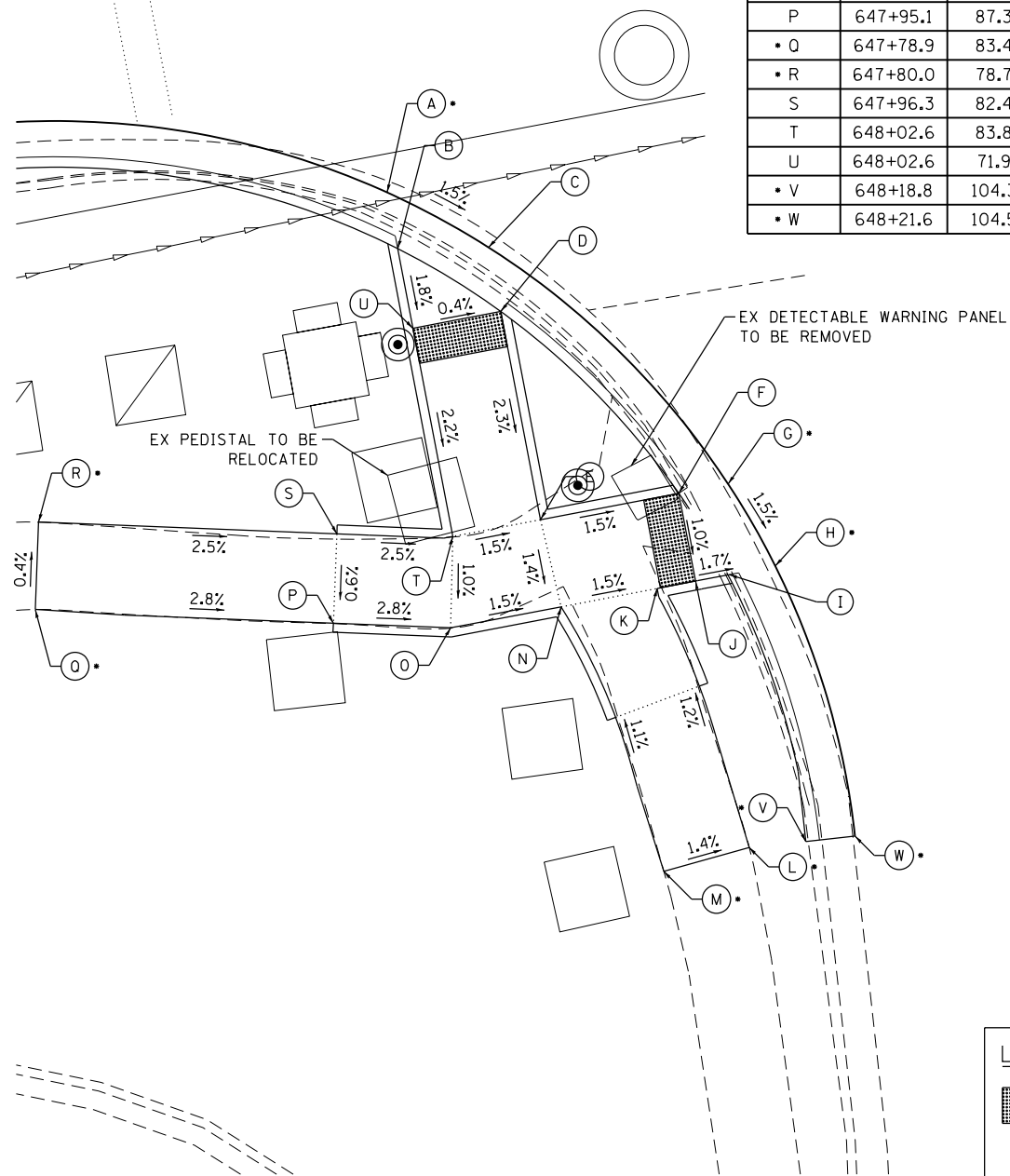
**US BR 20 (E STATE STREET)
SIDEWALK DETAILS**

SCALE: 1" = 5'	SHEET NO. 5 OF 10 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	229
		CONTRACT NO. 64L14		
ILLINOIS		FED. AID PROJECT		

SW CORNER OF US BUS 20 AND BUCKLEY DRIVE				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	648+02.6	64.2	RT	867.86
B	648+02.6	67.4	RT	867.82
C	648+07.6	68.3	RT	867.76
D	648+07.6	71.9	RT	867.72
E	648+07.6	83.8	RT	867.36
F	648+15.5	83.8	RT	867.23
• G	648+18.3	83.8	RT	867.27
• H	648+20.0	88.8	RT	867.19
I	648+17.3	88.8	RT	867.15
J	648+15.5	88.8	RT	867.18
K	648+13.3	88.8	RT	867.21
• L	648+15.6	104.0	RT	867.40
• M	648+10.7	104.4	RT	867.47
N	648+07.8	88.8	RT	867.29
O	648+01.5	88.8	RT	867.38
P	647+95.1	87.3	RT	867.55
• Q	647+78.9	83.4	RT	868.02
• R	647+80.0	78.7	RT	868.00
S	647+96.3	82.4	RT	867.58
T	648+02.6	83.8	RT	867.43
U	648+02.6	71.9	RT	867.74
• V	648+18.8	104.3	RT	867.30
• W	648+21.6	104.5	RT	866.99

BUS US 20 (STATE STREET)



BUCKLEY DRIVE

LEGEND:

DETECTABLE WARNING

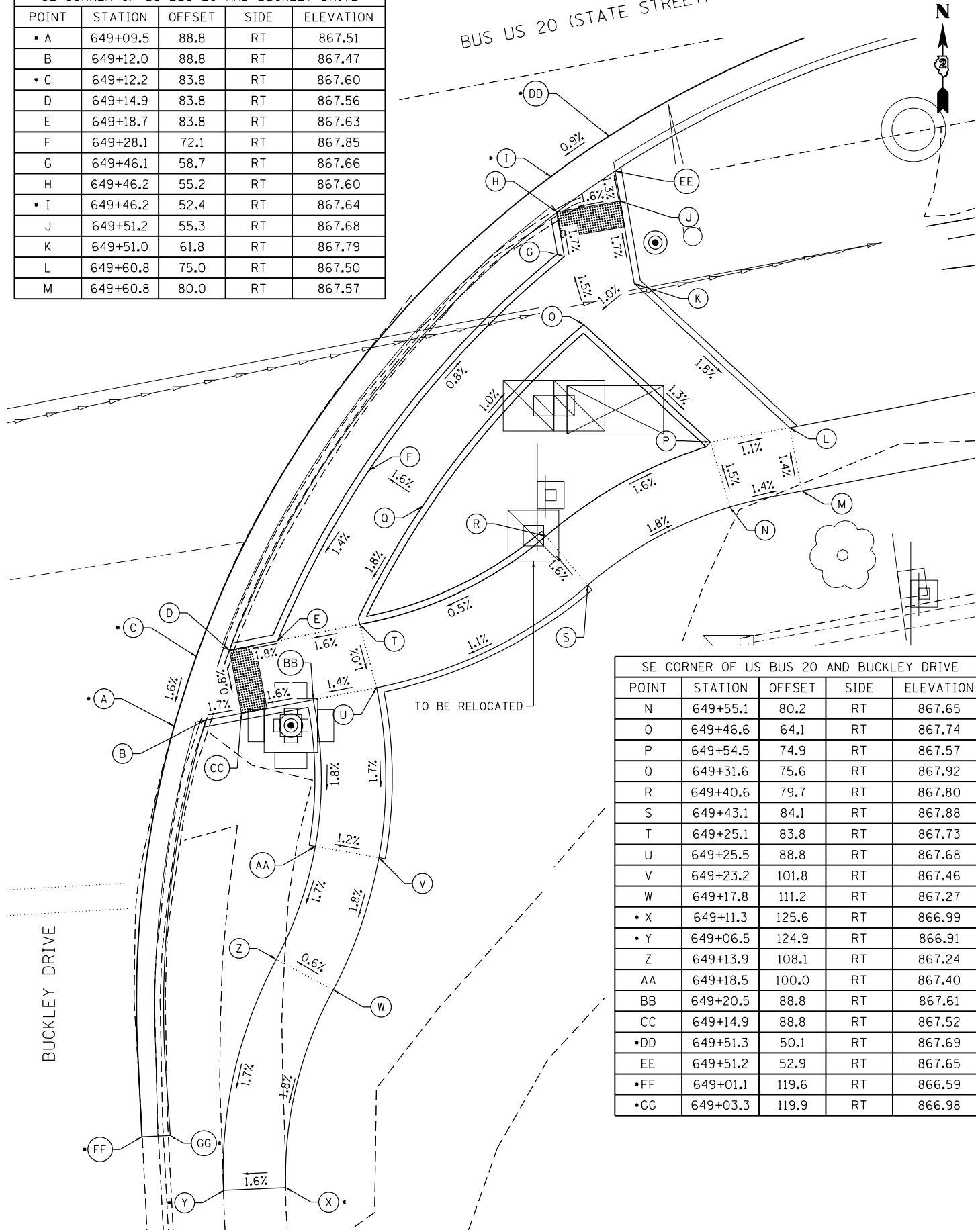
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EXISTING ELEVATION

PEDESTRIAN PUSH BUTTON

SE CORNER OF US BUS 20 AND BUCKLEY DRIVE				
POINT	STATION	OFFSET	SIDE	ELEVATION
• A	649+09.5	88.8	RT	867.51
B	649+12.0	88.8	RT	867.47
• C	649+12.2	83.8	RT	867.60
D	649+14.9	83.8	RT	867.56
E	649+18.7	83.8	RT	867.63
F	649+28.1	72.1	RT	867.85
G	649+46.1	58.7	RT	867.66
H	649+46.2	55.2	RT	867.60
• I	649+46.2	52.4	RT	867.64
J	649+51.2	55.3	RT	867.68
K	649+51.0	61.8	RT	867.79
L	649+60.8	75.0	RT	867.50
M	649+60.8	80.0	RT	867.57

BUS US 20 (STATE STREET)



SE CORNER OF US BUS 20 AND BUCKLEY DRIVE				
POINT	STATION	OFFSET	SIDE	ELEVATION
N	649+55.1	80.2	RT	867.65
O	649+46.6	64.1	RT	867.74
P	649+54.5	74.9	RT	867.57
Q	649+31.6	75.6	RT	867.92
R	649+40.6	79.7	RT	867.80
S	649+43.1	84.1	RT	867.88
T	649+25.1	83.8	RT	867.73
U	649+25.5	88.8	RT	867.68
V	649+23.2	101.8	RT	867.46
W	649+17.8	111.2	RT	867.27
• X	649+11.3	125.6	RT	866.99
• Y	649+06.5	124.9	RT	866.91
Z	649+13.9	108.1	RT	867.24
AA	649+18.5	100.0	RT	867.40
BB	649+20.5	88.8	RT	867.61
CC	649+14.9	88.8	RT	867.52
• DD	649+51.3	50.1	RT	867.69
EE	649+51.2	52.9	RT	867.65
• FF	649+01.1	119.6	RT	866.59
• GG	649+03.3	119.9	RT	866.98

ENGINEERING CONSULTANT



USER NAME : Roadway

PLOT SCALE = 10.0000' / 1"

PLOT DATE = 6/12/2020

DESIGNED - EPS

DRAWN - NT

CHECKED - DJO

DATE - 6/15/2020

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 BUS (E STATE STREET)
SIDEWALK DETAILS

SCALE: 1" = 5'

SHEET NO. 7 OF 10 SHEETS

STA.

TO STA.

FAP

RTE.

517

SECTION

(2Y-1)N

COUNTY

WINNEBAGO

TOTAL

SHEETS

306

SHEET

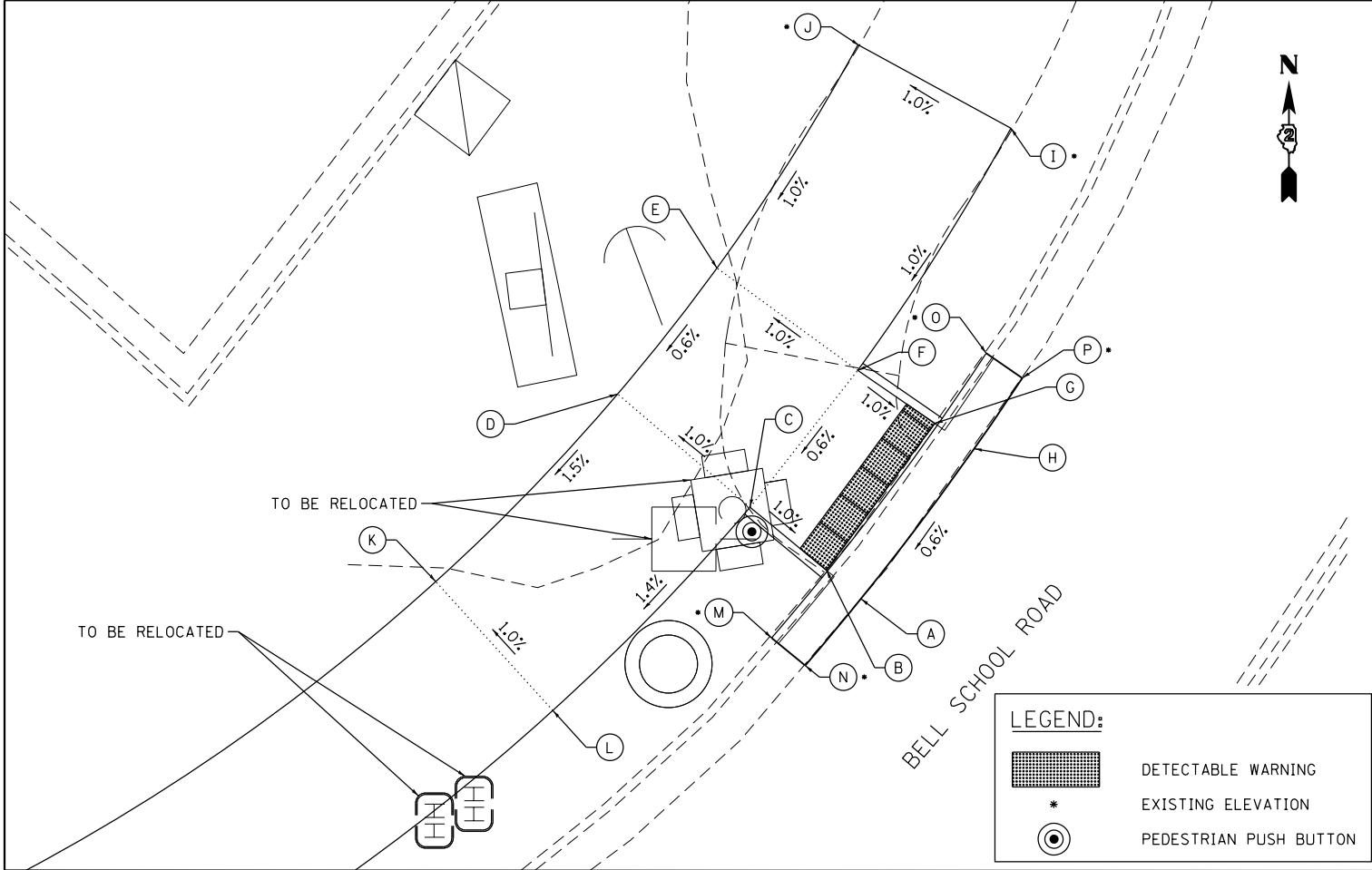
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231

CONTRACT NO. 64L14

ILLINOIS FED. AID PROJECT

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NW CORNER OF US BUS 20 AND BELL SCHOOL ROAD				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	661+94.1	73.3	LT	863.38
B	661+92.4	75.2	LT	863.34
C	661+88.8	79.6	LT	863.39
D	661+82.6	87.4	LT	863.29
E	661+89.5	93.4	LT	863.35
F	661+96.4	86.2	LT	863.45
G	662+00.1	82.3	LT	863.40
H	662+02.1	80.5	LT	863.44
• I	662+07.6	98.2	LT	863.61
• J	661+99.9	104.5	LT	863.51
K	661+70.3	78.8	LT	863.07
L	661+75.5	70.3	LT	863.17
• M	661+88.6	72.0	LT	864.44
• N	661+90.2	70.1	LT	864.52
• O	662+03.8	85.7	LT	864.41
• P	662+05.6	84.0	LT	864.46

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ENGINEERING CONSULTANT



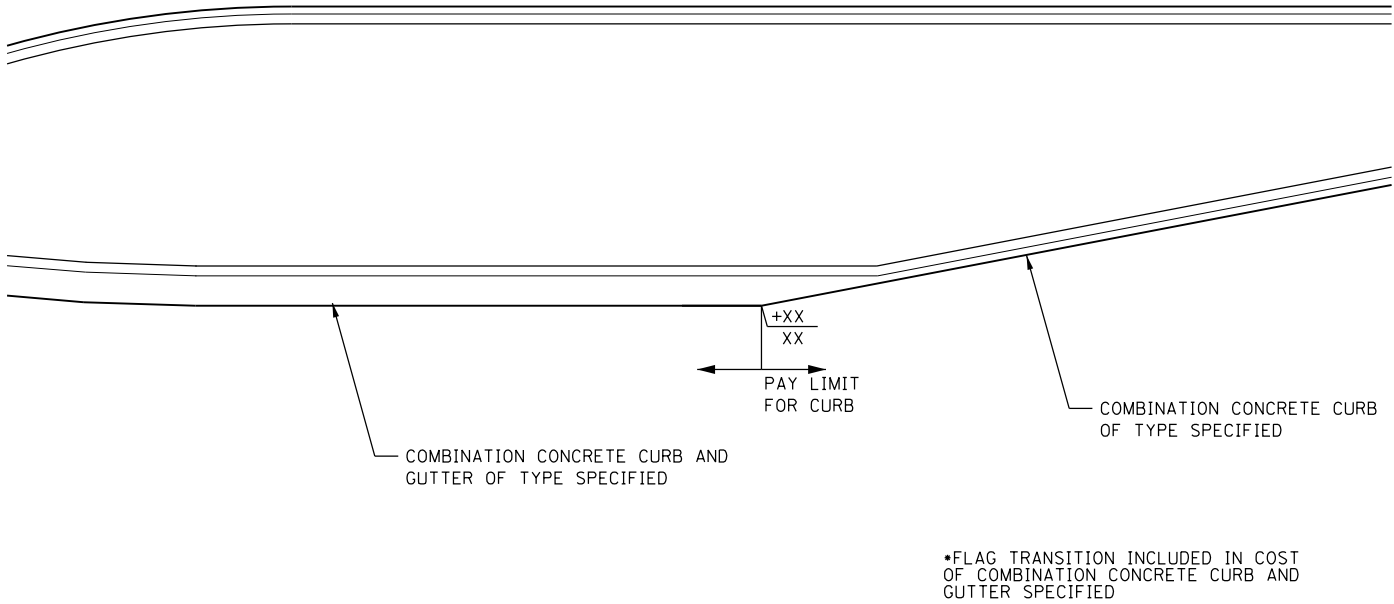
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	DRAWN - NT	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 BUS (E STATE STREET) SIDEWALK DETAILS			
SCALE: 1" = 5'	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	234
CONTRACT NO. 64L14				ILLINOIS FED. AID PROJECT

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COMBINATION CONCRETE CURB AND GUTTER TRANSITION DETAIL
NTS

ENGINEERING CONSULTANT



8725 W. Higgins Road, Suite 600, Chicago, IL 60631 | 773.775.4009 | www.ciorba.com

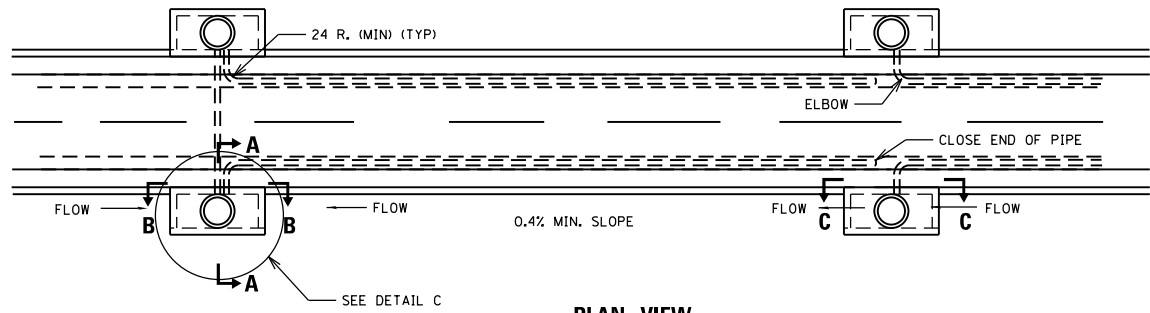
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	DRAWN - NT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

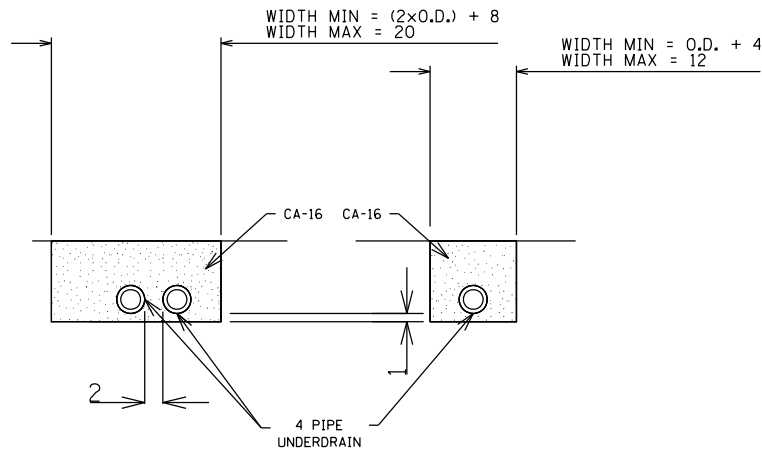
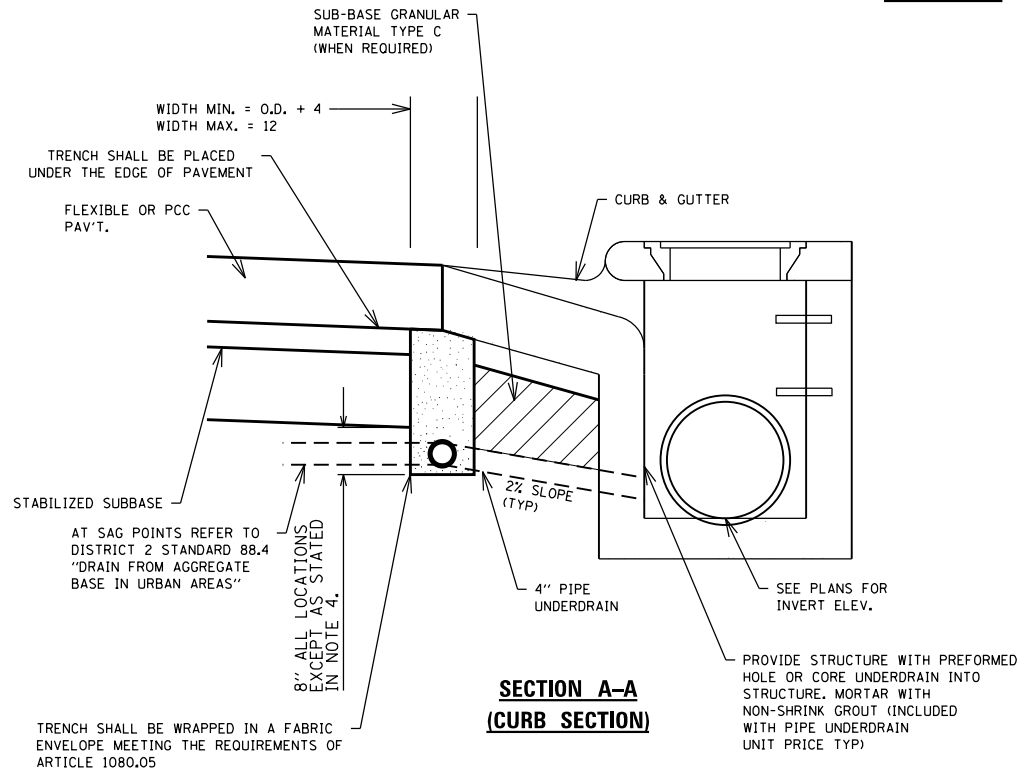
US 20 BUS (E STATE STREET)
COMBINATION CONCRETE CURB AND GUTTER TRANSITION DETAIL

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

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	235
CONTRACT NO.				64L14
ILLINOIS FED. AID PROJECT				



PLAN VIEW



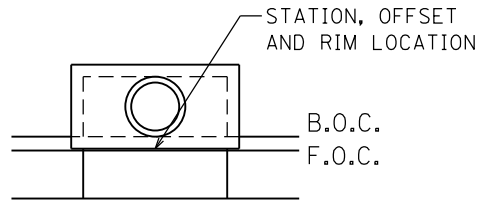
SECTION B-B

SECTION C-C

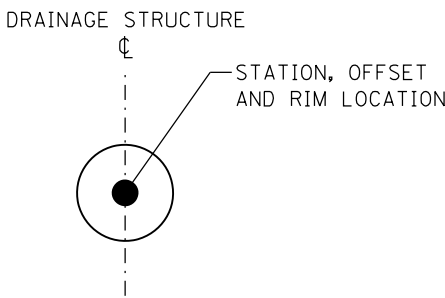
NOTES:

1. THE 24 RADIUS ON THE DRAINAGE FITTING IS ONLY A MINIMUM, LARGER RADII MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED.
2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
3. REFER TO TYPICAL SECTIONS AND DRAINAGE & UTILITY PLAN FOR HORIZONTAL ALIGNMENT OF UNDERDRAINS, INCLUDING NON-CURB SECTIONS.

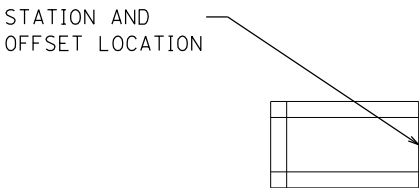
SUB-SURFACE DRAIN DETAILS
NTS



INLETS, SPECIAL,
NOS. 3, 5, 7, & 8

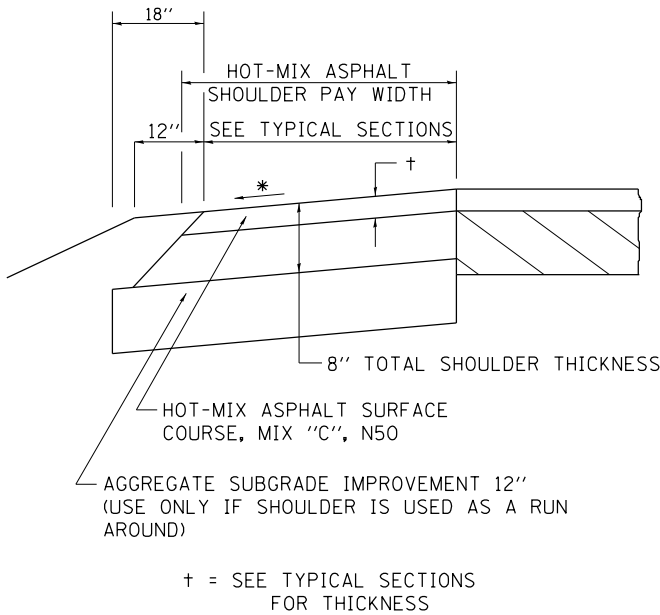


MANHOLES, TYPE A,
VARIOUS SIZES



CONCRETE END SECTION,
STANDARD 542001,
VARIOUS SIZES

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

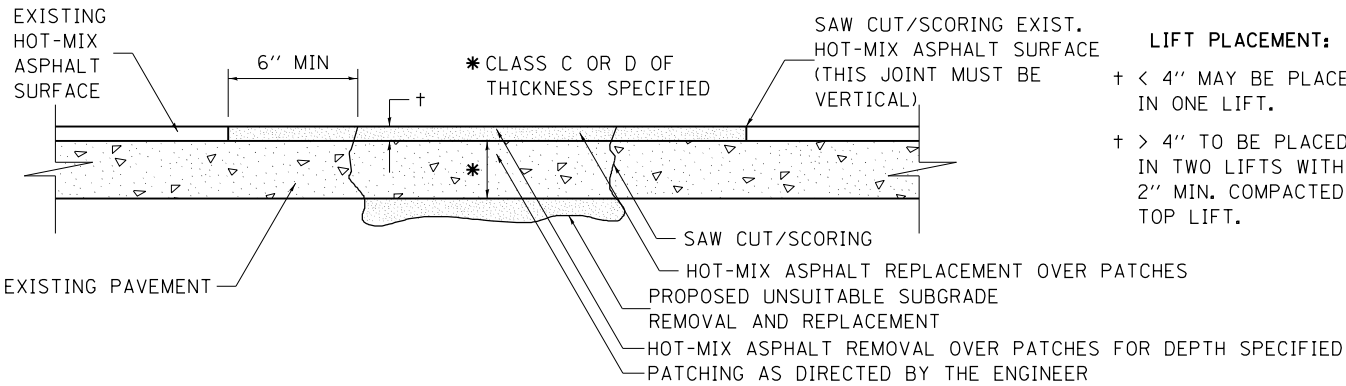
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



LIFT PLACEMENT:
+ < 4" MAY BE PLACED IN ONE LIFT.
+ > 4" TO BE PLACED IN TWO LIFTS WITH 2" MIN. COMPACTED TOP LIFT.

SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

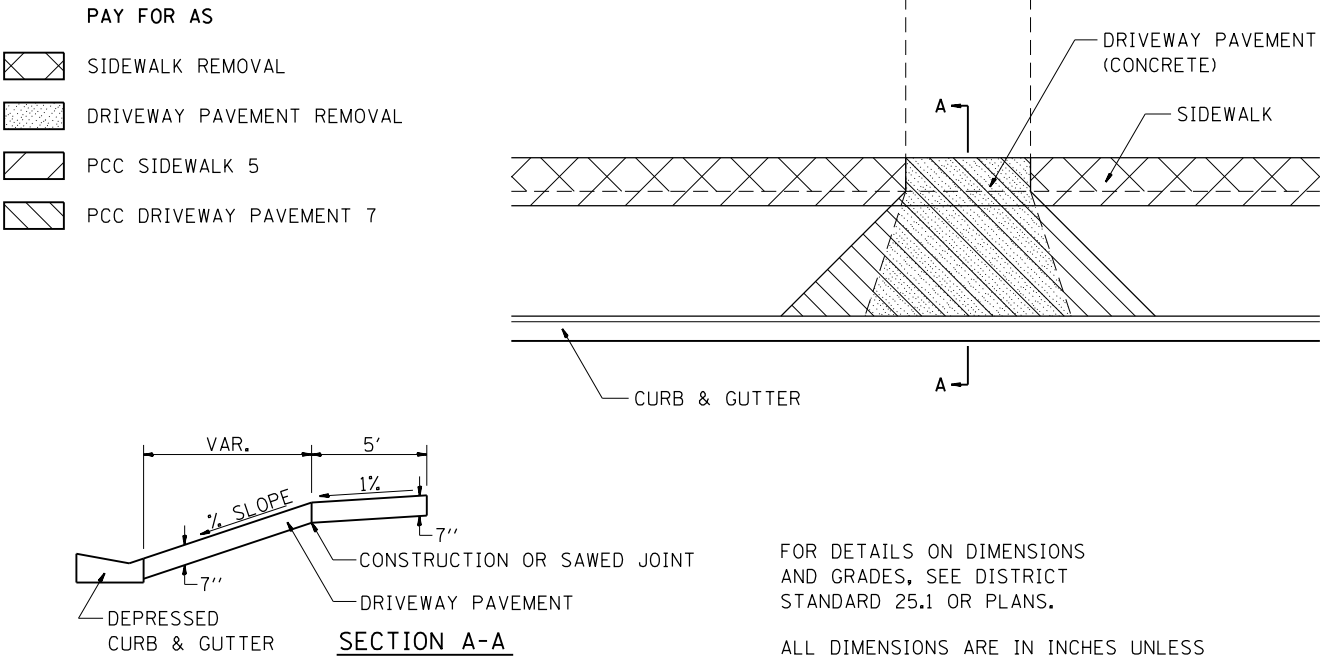
GENERAL NOTES:

1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT 32.4

SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS



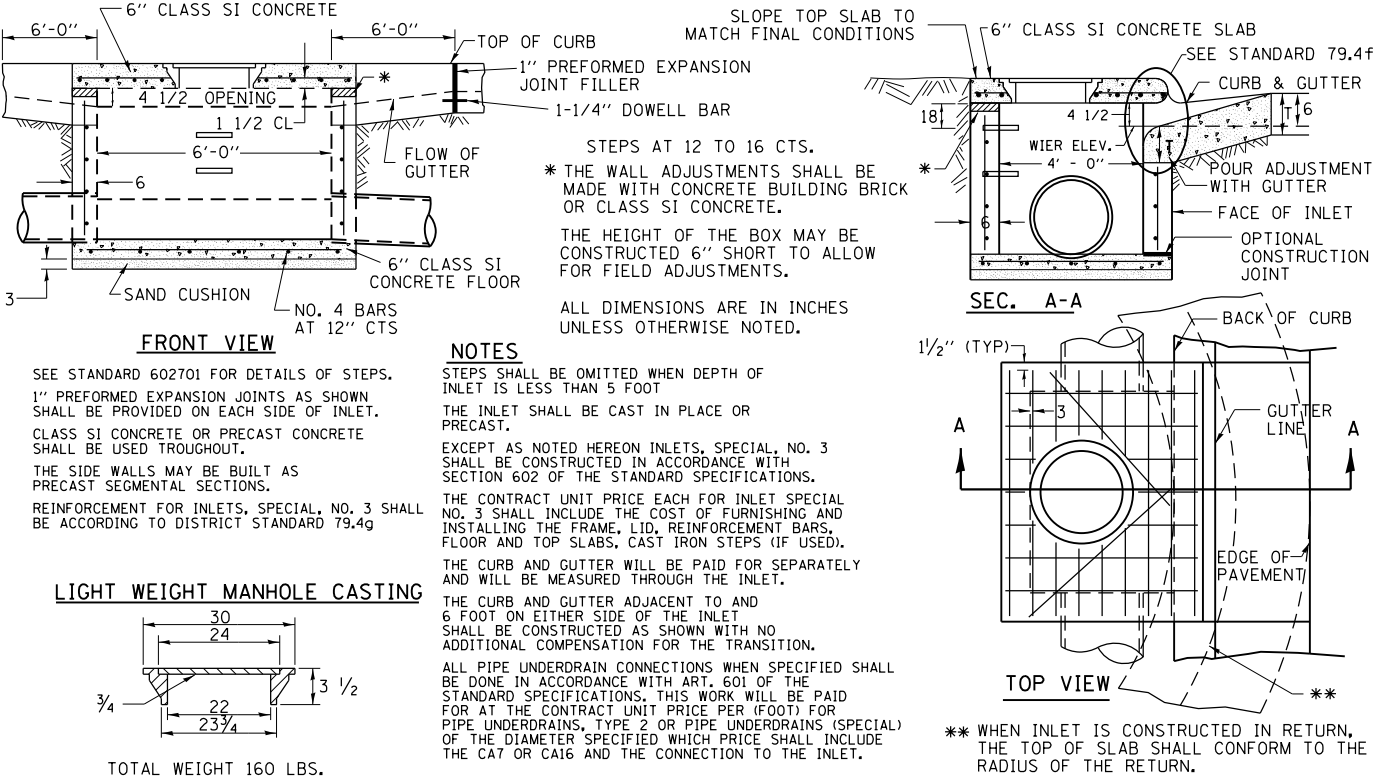
FOR DETAILS ON DIMENSIONS AND GRADES, SEE DISTRICT STANDARD 25.1 OR PLANS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 6-27-14
REVISED - 10-03-11

SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS 35.4

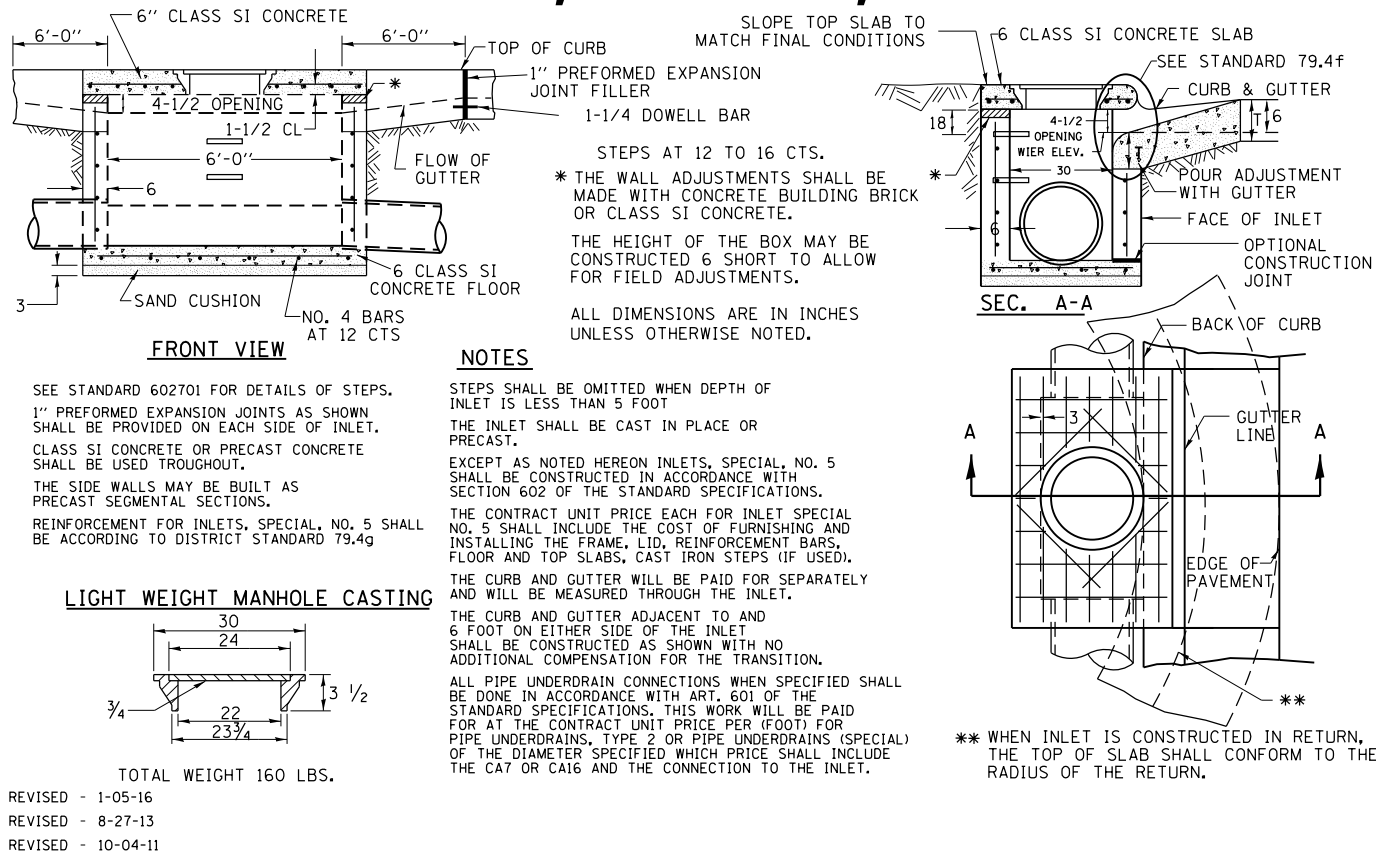
INLETS, SPECIAL, NO. 3



REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 8-27-13					517	(2Y-1)N	WINNEBAGO	306	239
REVISED - 10-03-11					CONTRACT NO. 64L14				
REVISED -	SCALE: 100.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

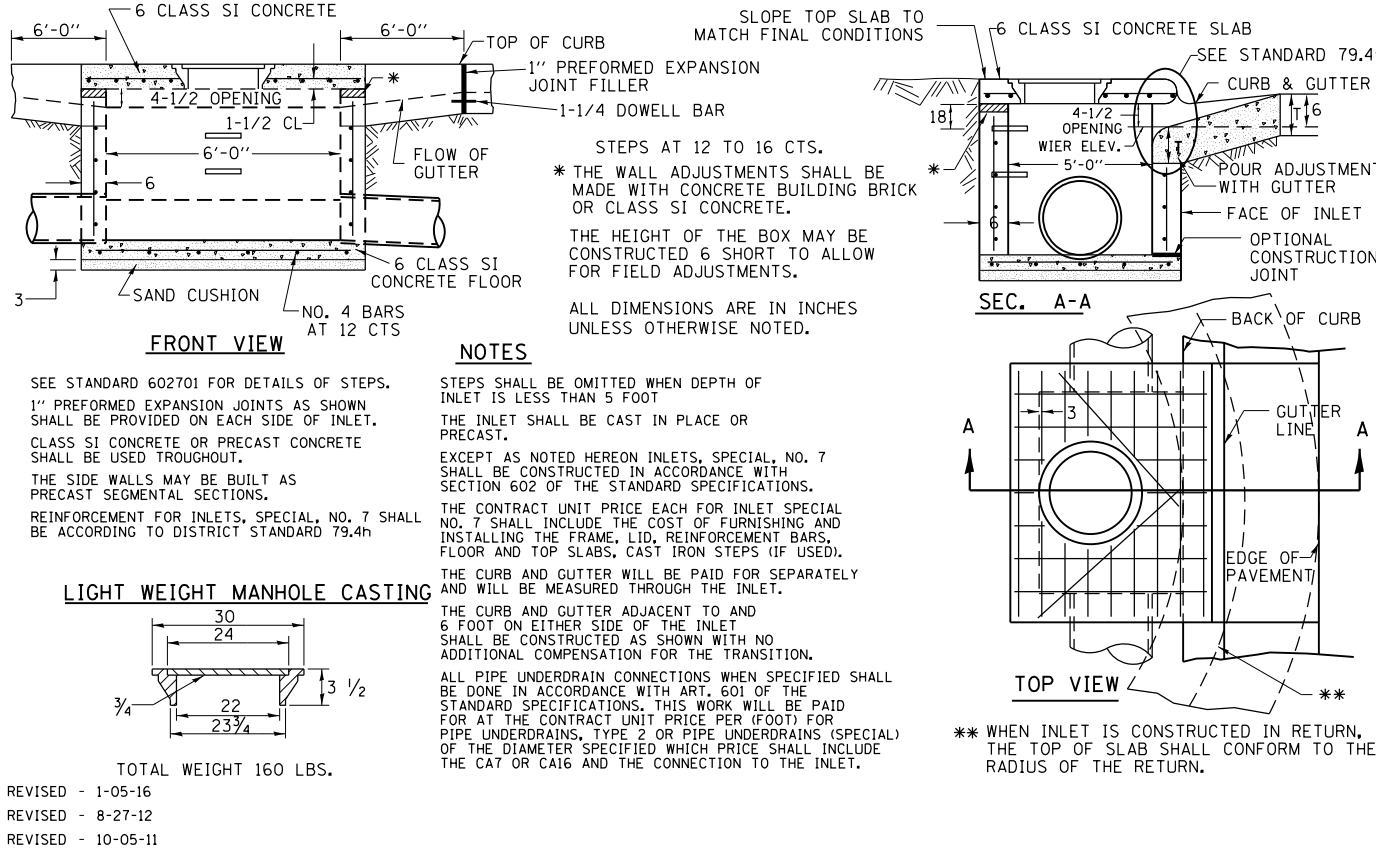
INLETS, SPECIAL, NO. 3 79.4

INLETS, SPECIAL, NO. 5



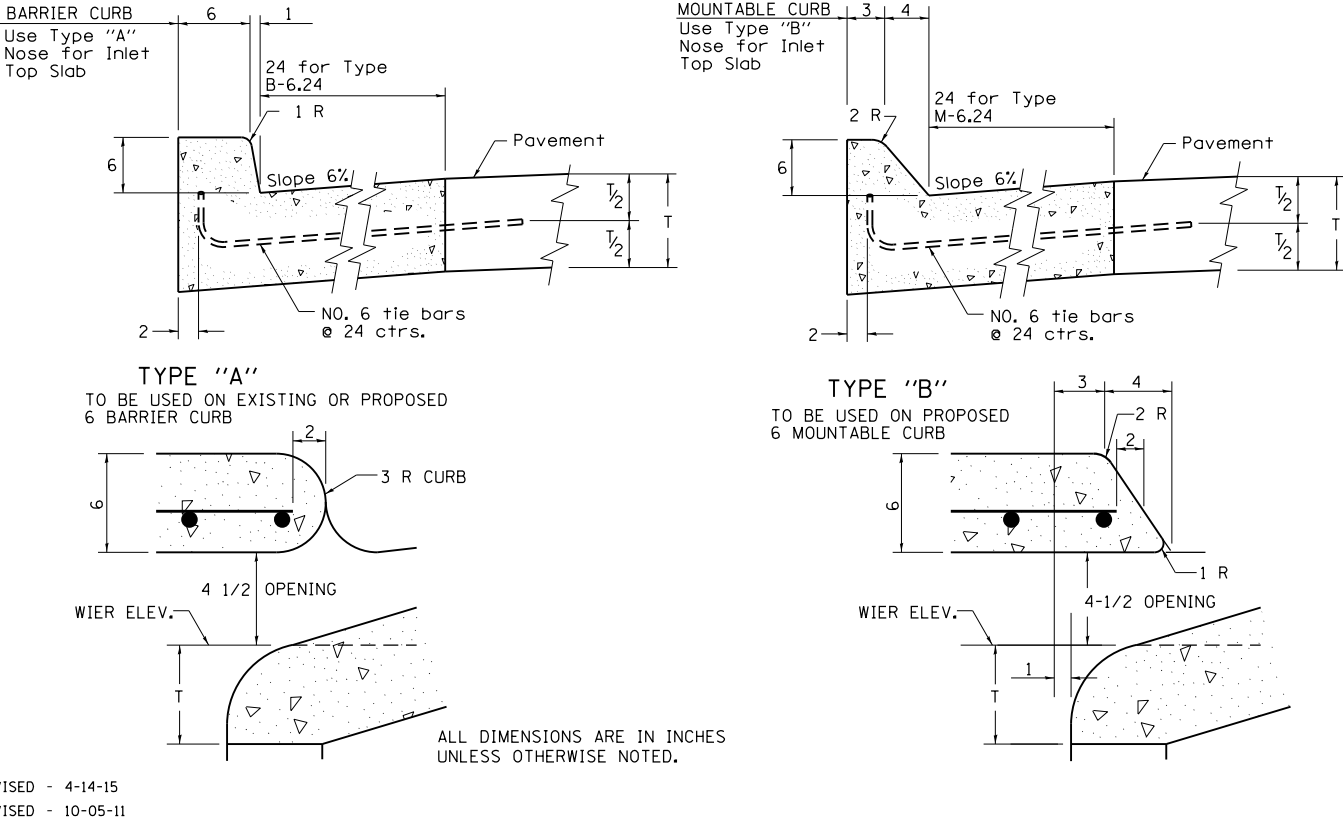
INLETS, SPECIAL, NO. 5 79.4b

INLETS, SPECIAL, NO. 7



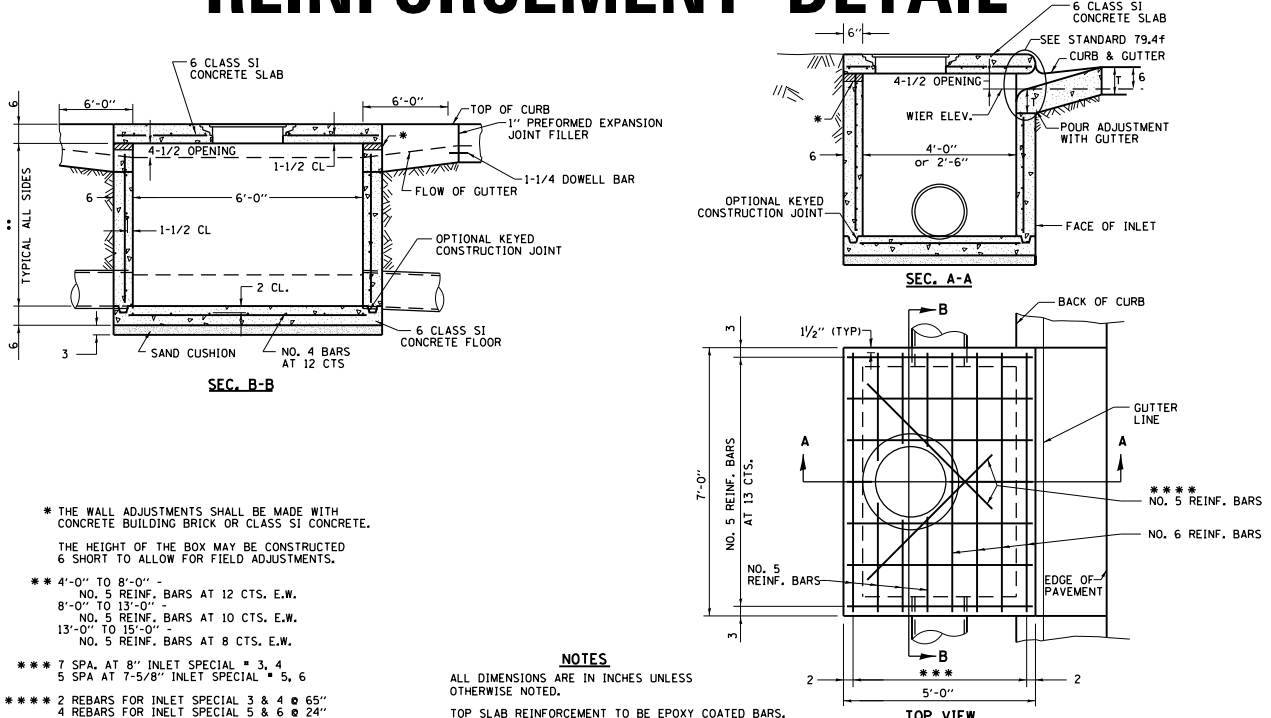
INLETS, SPECIAL, NO. 7 79.4d

NOSE TYPE FOR INLET TOP SLAB



NOSE TYPE FOR INLET TOP SLAB 79.4f

INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL



REVISED - 4-13-16	REGION 2 / DISTRICT 2 STANDARD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 8-27-13			517	(2Y-1)N	WINNEBAGO	306	240
REVISED - 10-05-11			CONTRACT NO. 64L14				
REVISED -	SCALE: 100.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL 79.4g

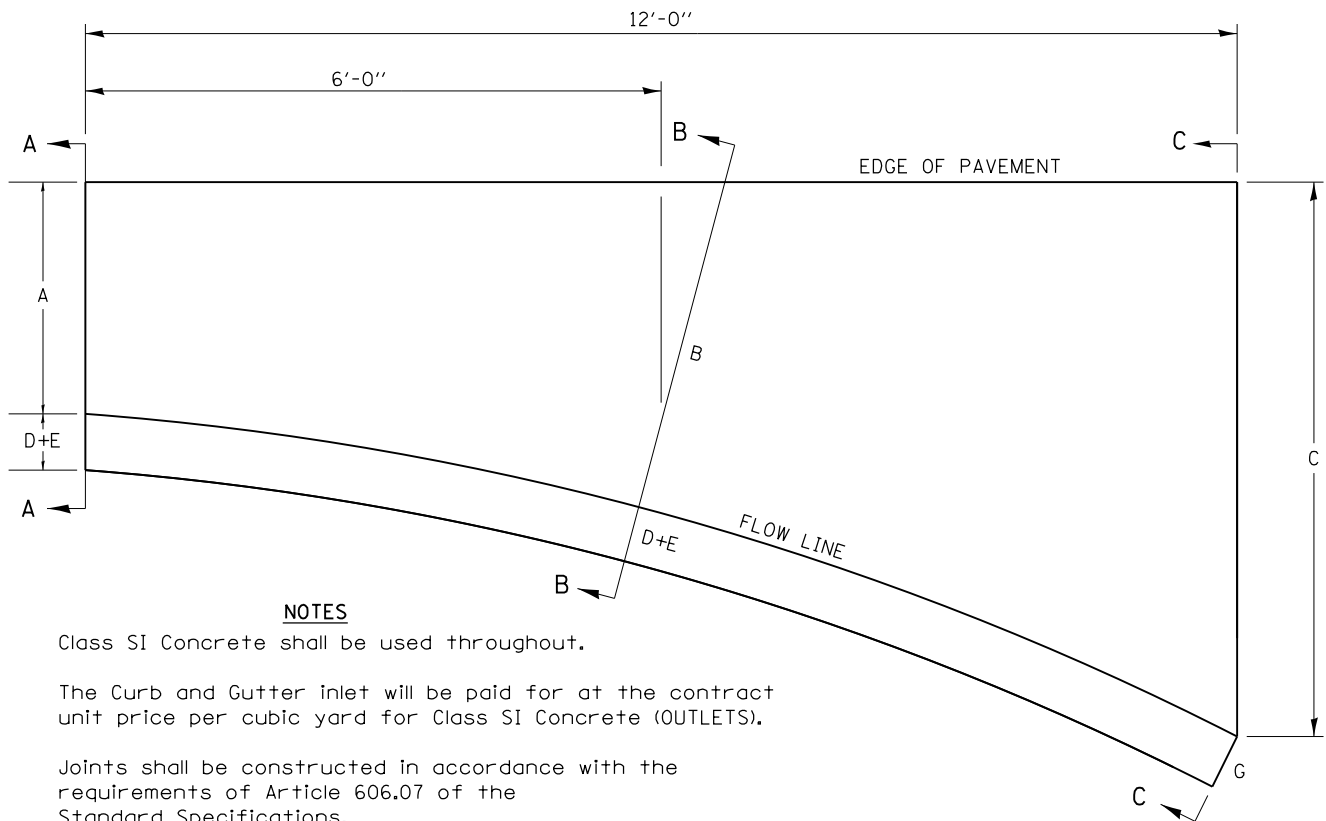
PLOT DATE = 6/12/2020

REVISED - 4-13-16
REVISED - 8-27-13
10-05-11

REVISED - 1-05-16
REVISED - 10-05-11

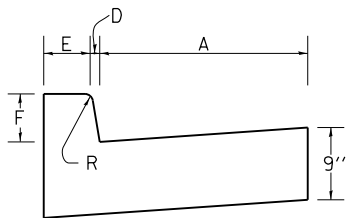
PLOT DATE = 6/12/2020

STANDARD INLET FOR CURB & GUTTER

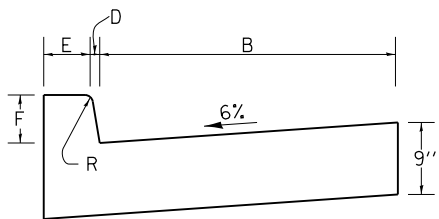


NOTES

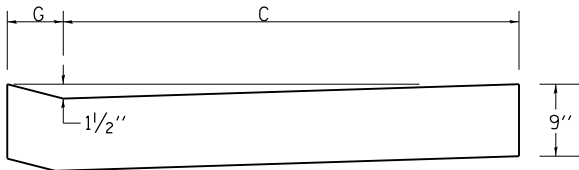
- Class SI Concrete shall be used throughout.
- The Curb and Gutter inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).
- Joints shall be constructed in accordance with the requirements of Article 606.07 of the Standard Specifications.
- When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at construction joints.
- All dimensions are in inches unless otherwise noted.



SECTION A-A



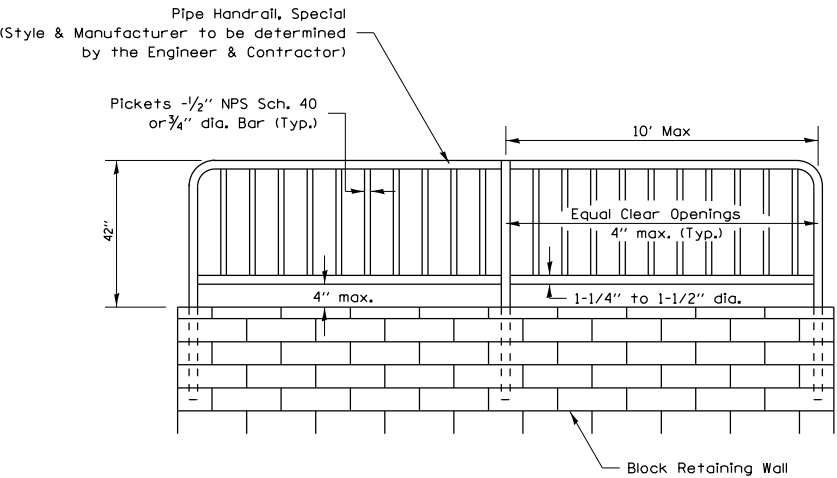
SECTION B-B



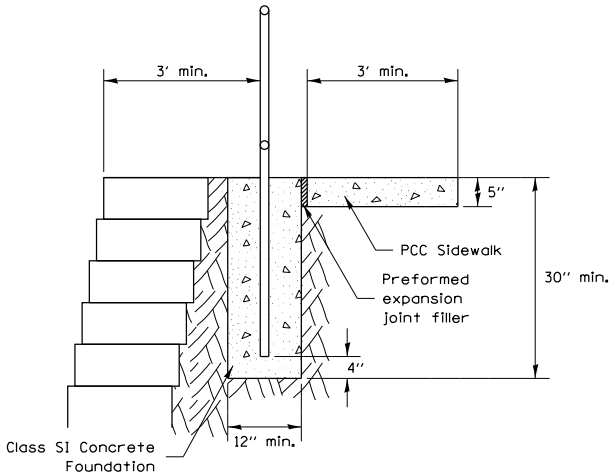
SECTION C-C

TYPE OF CURB & GUTTER	TABLE OF DIMENSIONS								CONCRETE QUANTITY A-A TO C-C (CU YDS)
	A	B	C	D	E	F	G	R	
B-6.06	6	15	4'	1	6	6	7	1	0.87
B-6.12	12	18.25	4'	1	6	6	7	1	0.95
B-6.18	18	27.25	4' 9"	1	6	6	7	1	1.18
B-6.24	24	32.4	4' 9"	1	6	6	7	1	1.30
M-4.06	6	17.8	3' 9"	4	3	4	7	3	0.75
M-4.12	12	18.25	4'	4	3	4	7	3	0.91
M-4.18	18	27.25	4' 9"	4	3	4	7	3	1.14
M-4.24	24	32.4	4' 9"	4	3	4	7	3	1.25
M-6.06	6	17.8	3' 9"	6	2	6	8	3	0.86
M-6.12	12	18.25	4'	6	2	6	8	2	0.96
M-6.18	18	27.25	4' 9"	6	2	6	8	2	1.20
M-6.24	24	32.4	4' 9"	6	2	6	8	2	1.30

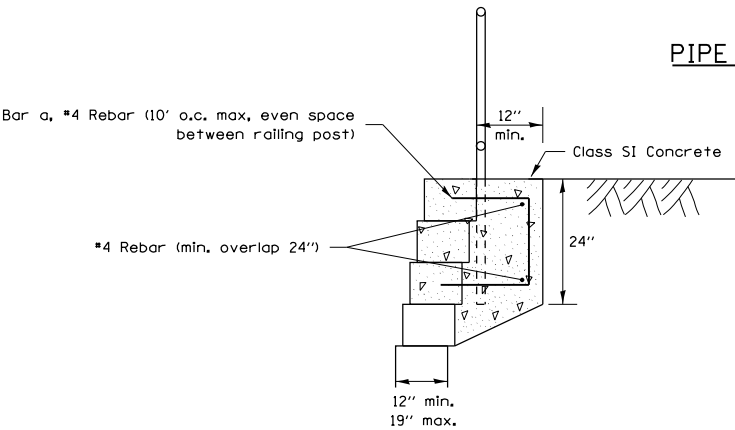
PIPE HANDRAIL, SPECIAL – FOR RETAINING WALLS



PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(See details for installation options)



PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 1)



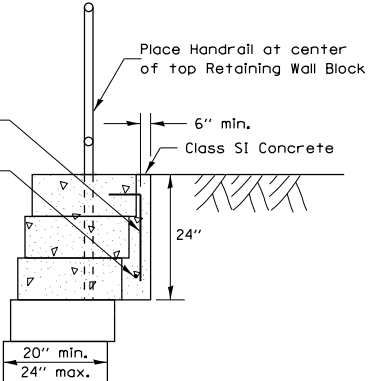
PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 2 - Block depth greater than 20")

REVISED - 1-05-16
REVISED - 12-03-14
REVISED - 2-01-10
REVISED -

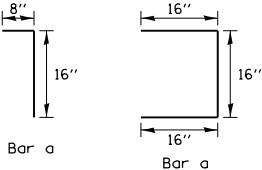
REGION 2 / DISTRICT 2 STANDARD			
SCALE: 100.0000 ' / 1"	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	242
CONTRACT NO.				64L14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

- Notes:
- Gripping surfaces shall be uninterrupted by construction elements, or obstructions.
 - Ends of handrail shall be rounded.
 - Handrail shall not rotate within their fittings.
 - Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.
 - The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"
 - Handrail required when wall height difference is 4' or greater
 - Drilling of blocks will be necessary for reinforcement placement.
 - This work shall consist of furnishing and erecting Handrails as listed above and according to this detail. This work shall be paid for at the contract UNIT price per FOOT for PIPE HANDRAIL, SPECIAL.



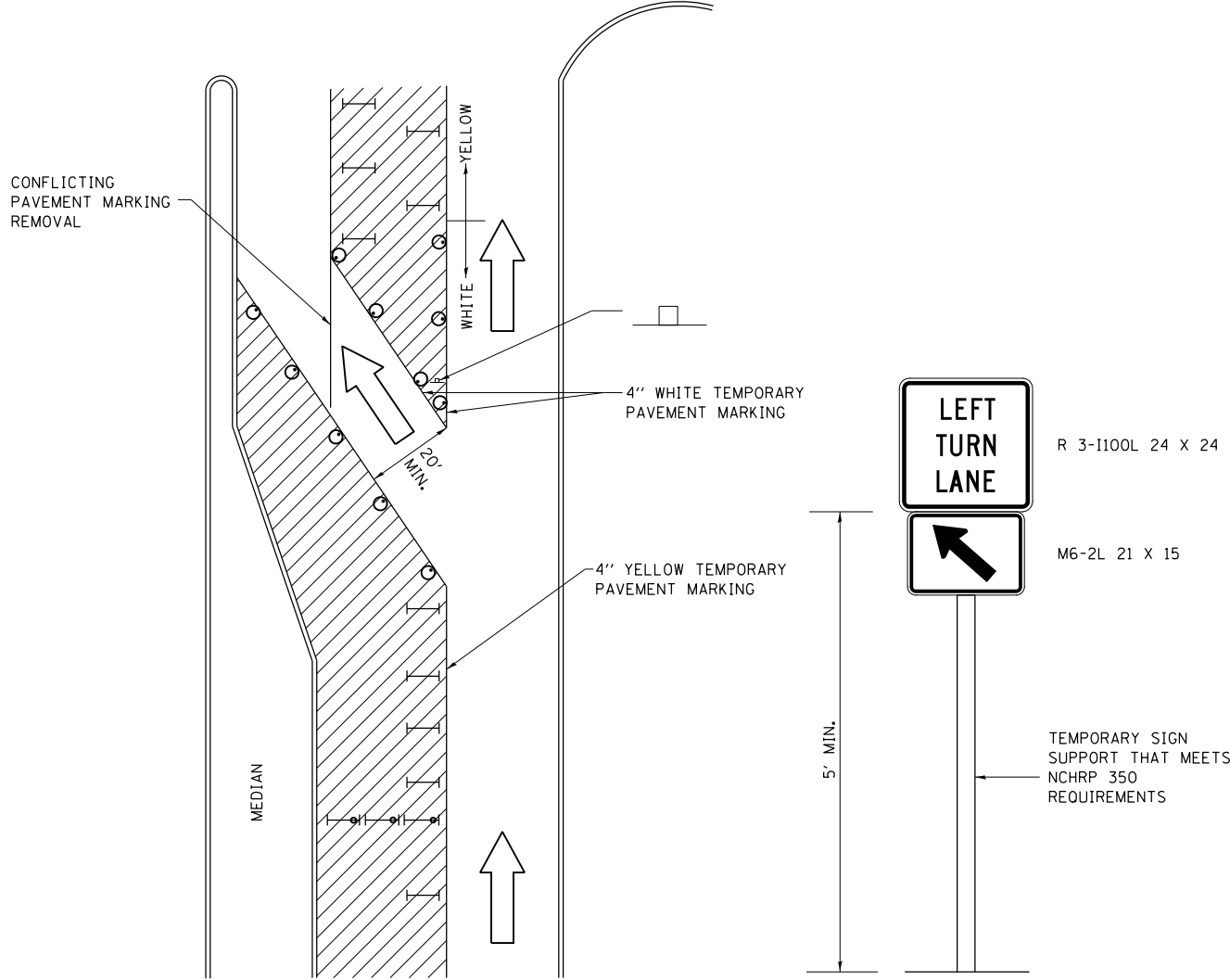
PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 3 - Block depth 12" to 19")



PLOT DATE = 6/12/2020

REVISED - 11-12-14
REVISED - 8-27-13
REVISED - 10-10-06

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



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

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" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.

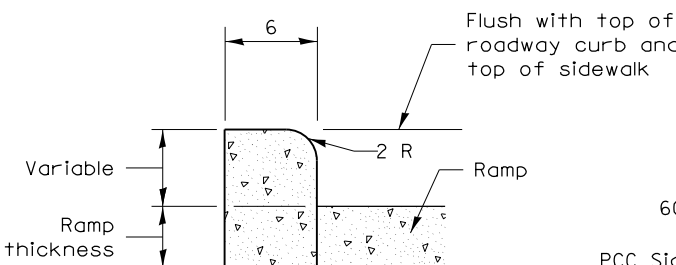
THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

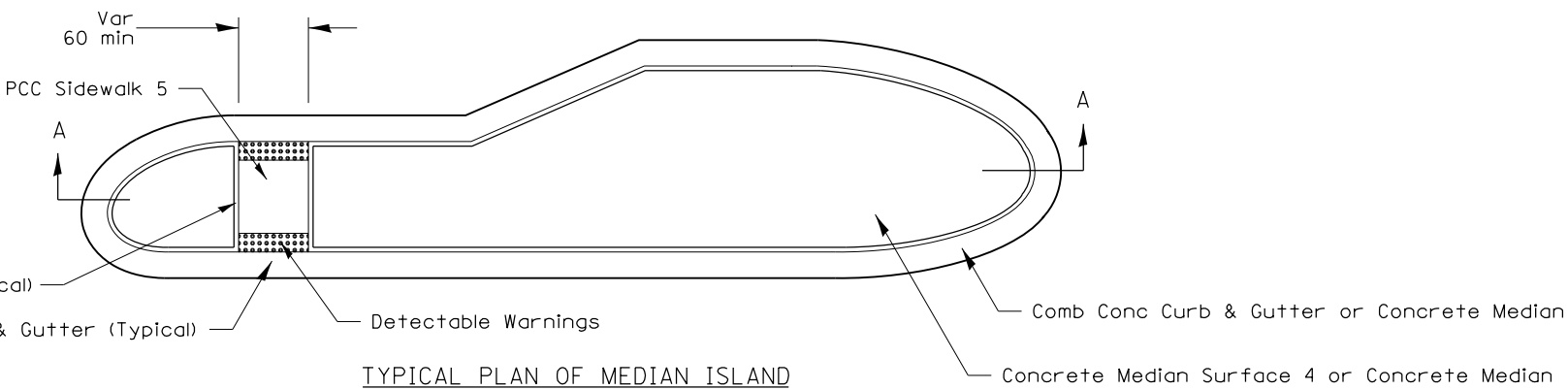
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED -		517	(2Y-1)N	WINNEBAGO	306	243	
REVISED -		CONTRACT NO.			64L14		
REVISED -		SCALE: 100.0000' / 1" = 100'	SHEET NO.	OF	SHEETS	STA.	TO STA.
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

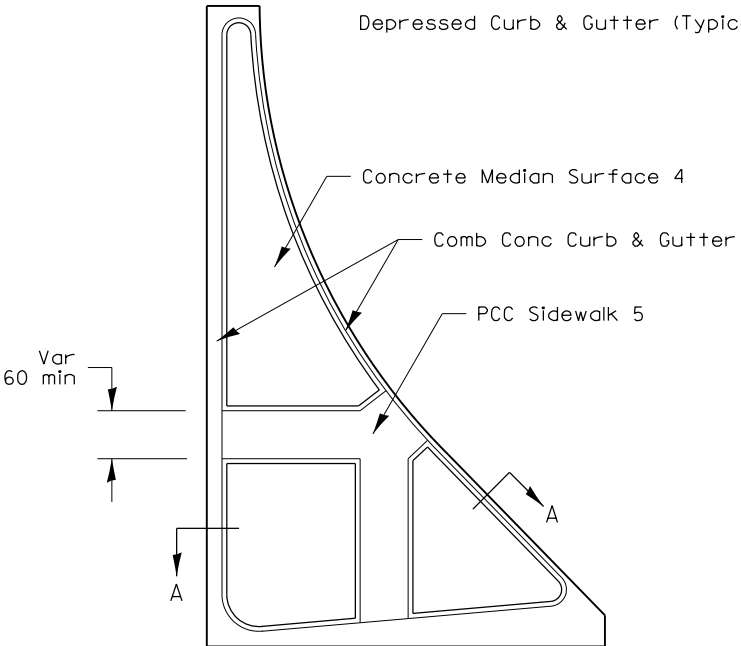
PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED



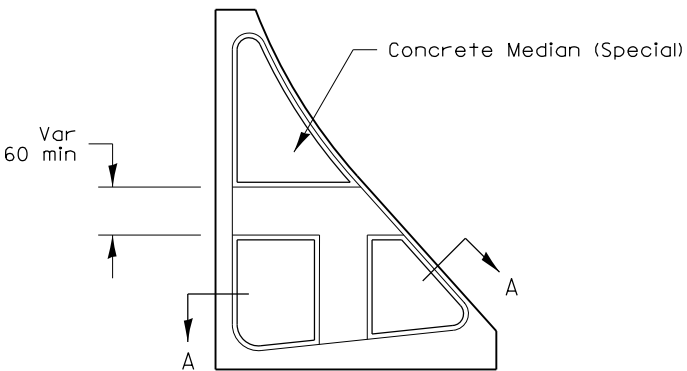
SIDE CURB DETAIL



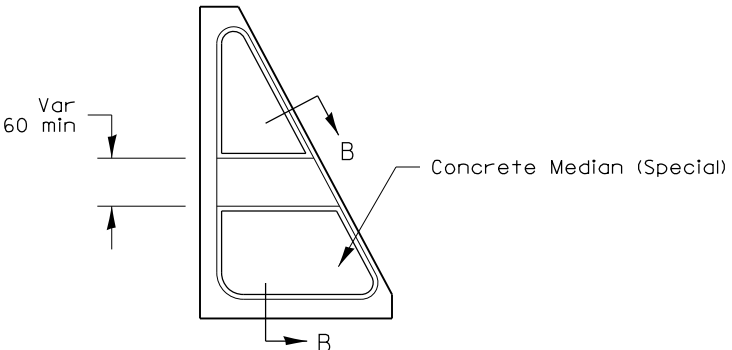
TYPICAL PLAN OF MEDIAN ISLAND



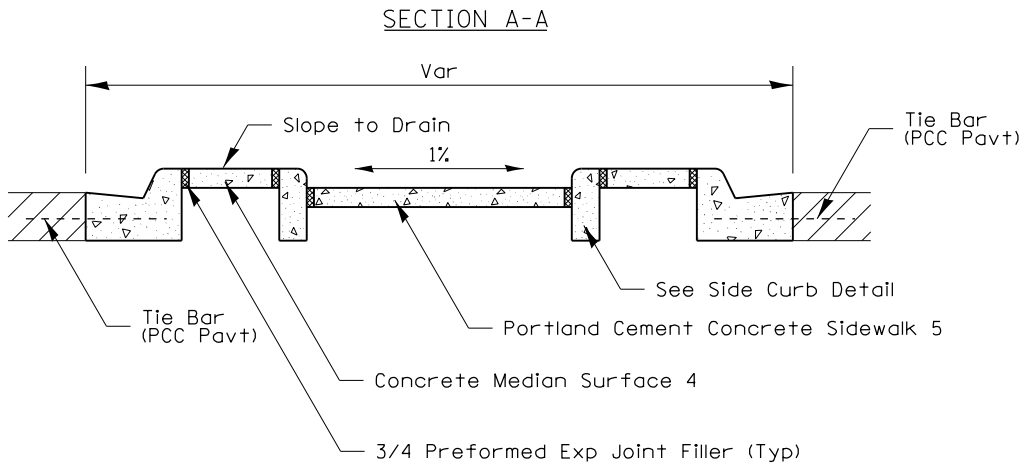
LARGE ISLAND
(Free Flow Design)



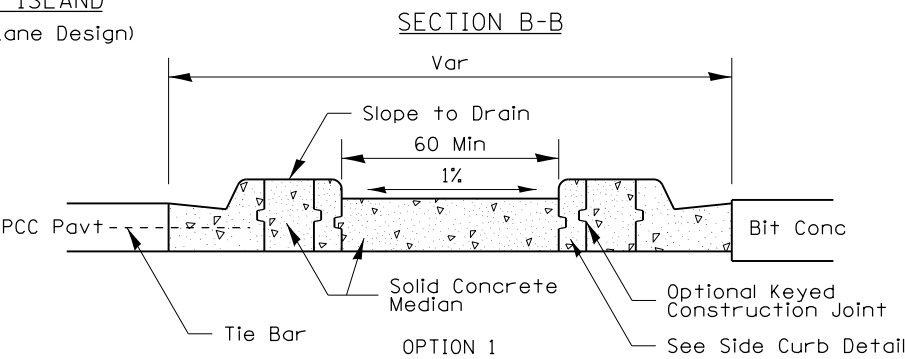
INTERMEDIATE ISLAND
(For Right Turn Lane Design)



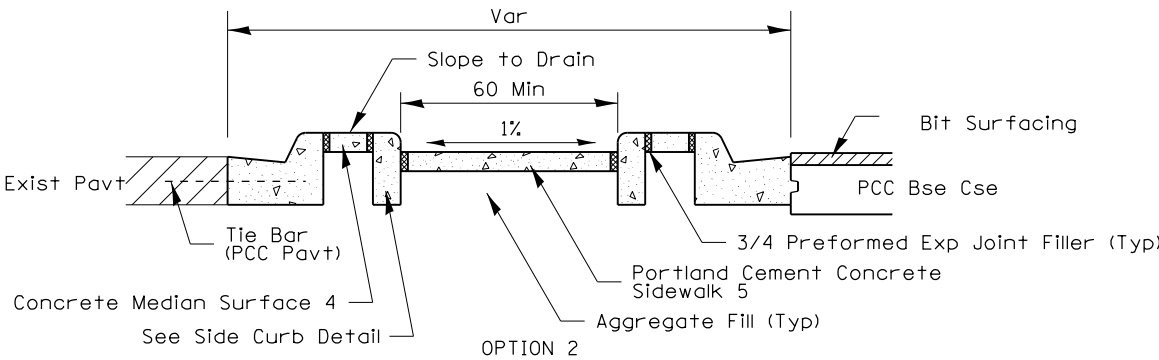
SMALL ISLAND
(For Typical Design)



SECTION A-A



SECTION B-B



OPTION 2

General Notes:
See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

See Standard 424031 for sidewalk details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at 1%.

See the plan general notes for the type of curb & gutter to be used on islands.

The sidewalk should not be closer than 36 from the corner of the island.

Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large islands shall consist of PCC Sidewalk 5, Concrete Median Surface 4, and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median island can also be solid concrete medians.

Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

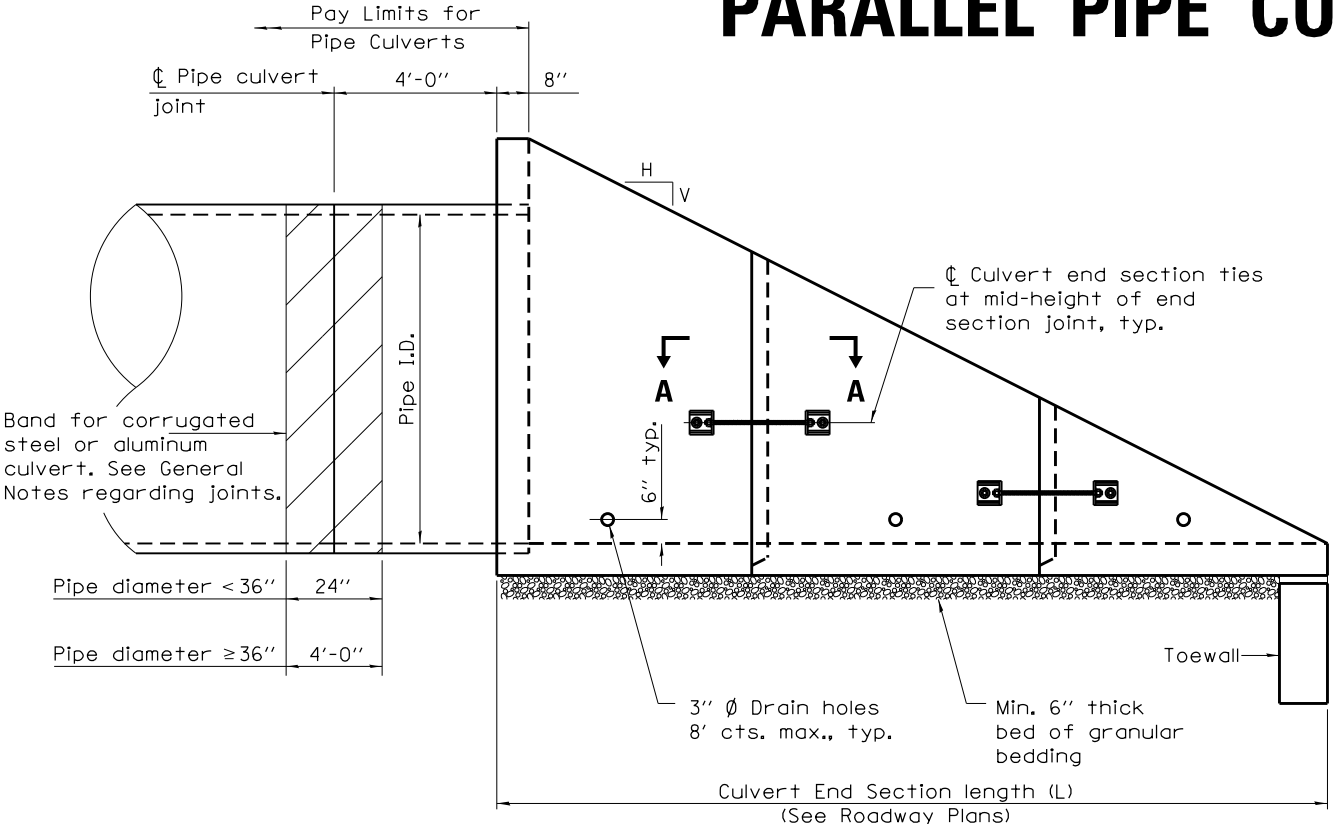
Small islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as specified in the plans, and will be paid for at the contract unit price per SQ FT for CONCRETE MEDIAN (SPECIAL) which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

Omit detectable warnings when distance between back of curbs is less than 6'.

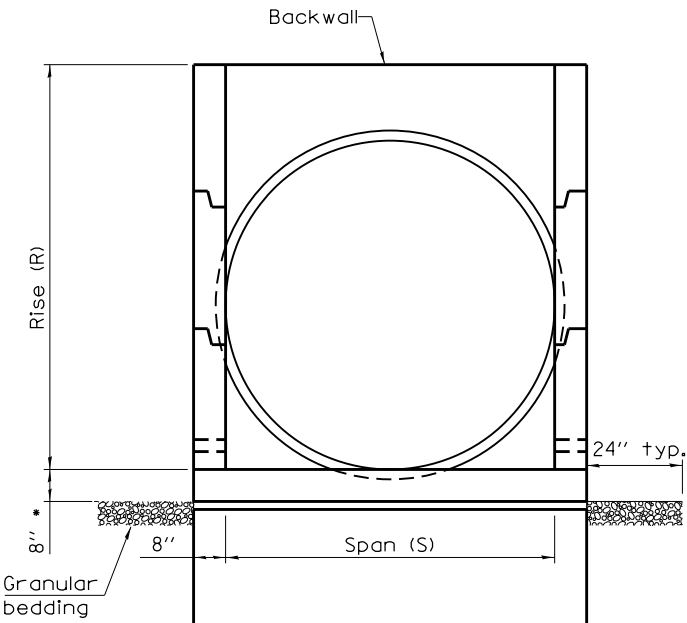
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 4-16-19	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED - 1-05-16							517	(2Y-1)N	WINNEBAGO	306	244
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED - 6-27-14							CONTRACT NO. 64L14				
PLOT DATE = 6/12/2020		DATE -	REVISED - 8-27-13							FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				

CONCRETE END SECTIONS FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.



ELEVATION



END VIEW

(Showing pipes)

- This dimension shall be increased by 1/2" for CIP field construction. See General Notes.

GENERAL NOTES

The concrete end sections detailed herein for flexible type pipe culverts are restricted to use with parallel pipe drainage structures only and traversable pipe grating placed perpendicular to the sidewalls. When traversable pipe grating placed parallel to the sidewalls is required, use standard 542001 or 542011.

A segment of pipe culvert shall be cast into the backwall of the concrete end section such that a minimum of 4 ft of pipe culvert extends from the back face of the end section as shown in Elevation.

Segments of pipe culvert shall be joined in accordance with Article 542 of the Standard Specifications except bands for corrugated steel or aluminum culverts shall conform to the length requirements shown in elevation and have the same corrugations as the culvert pipe. These bands will be included in cost of the pipe.

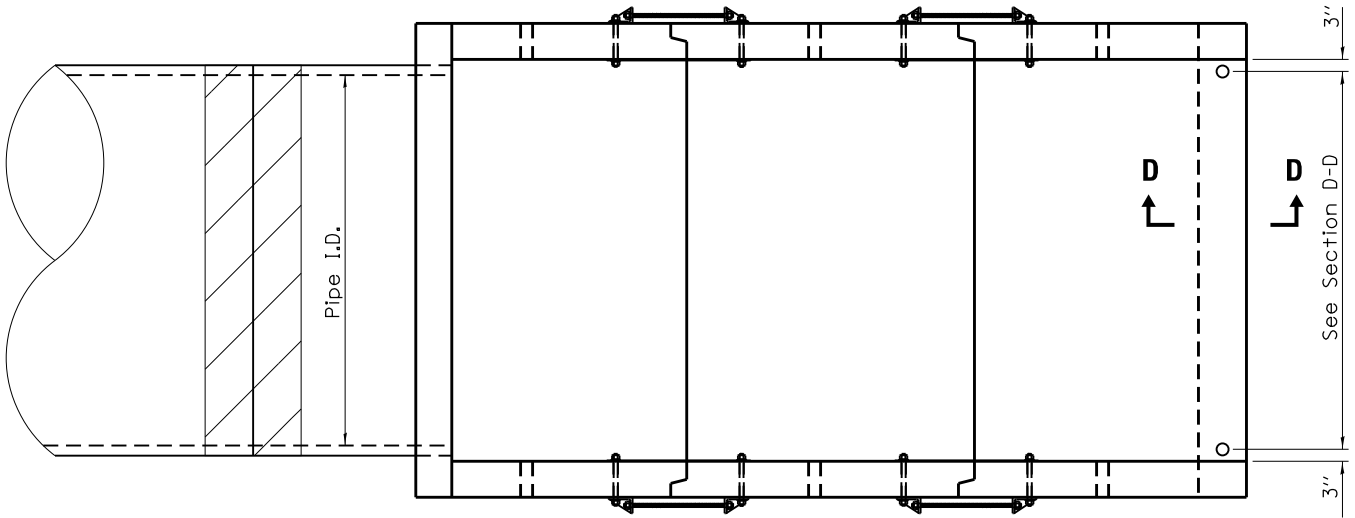
The number of segments shown in elevation is for example only. The length and number of precast sections required to construct the end section shall be determined by the Contractor.

See roadway plans for slope (V:H) and pipe inside diameter.

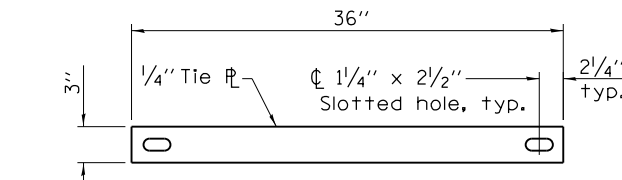
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of formed holes.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

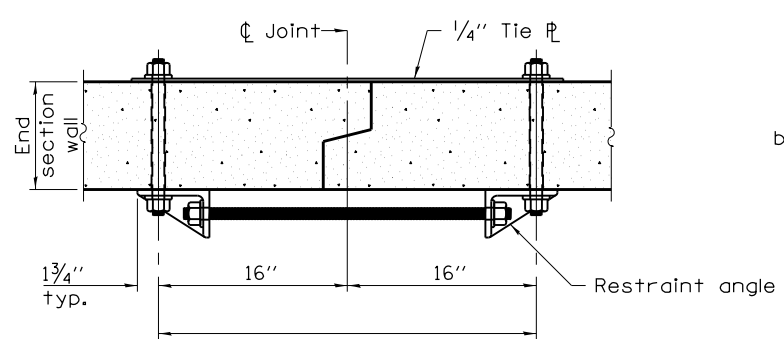
All dimensions are in inches unless otherwise shown.



PLAN

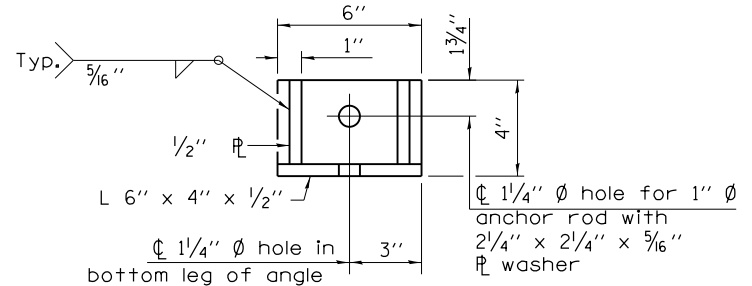


TIE PLATE DETAIL



SECTION A-A

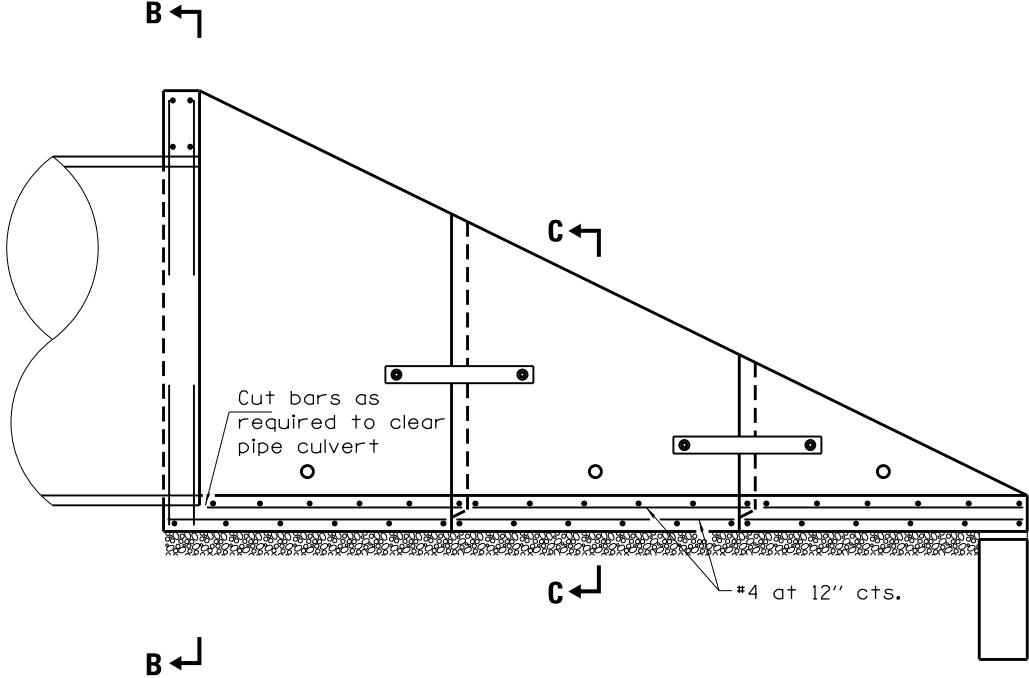
(Showing end section tie details)



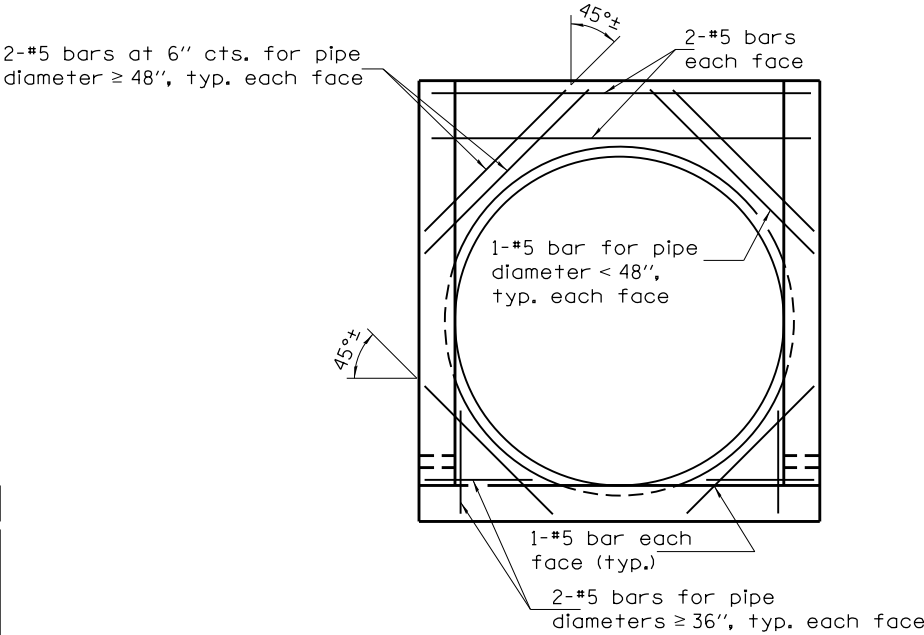
RESTRAINT ANGLE DETAIL

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED - 5-09-14					517	(2Y-1)N	WINNEBAGO	306	245
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -					CONTRACT NO. 64L14				
PLOT DATE = 6/12/2020		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.	

CONCRETE END SECTIONS FOR
PARALLEL PIPE CULVERTS 15" THRU 84" DIA.



LONGITUDINAL SECTION
(Showing bottom slab and backwall reinforcement.)

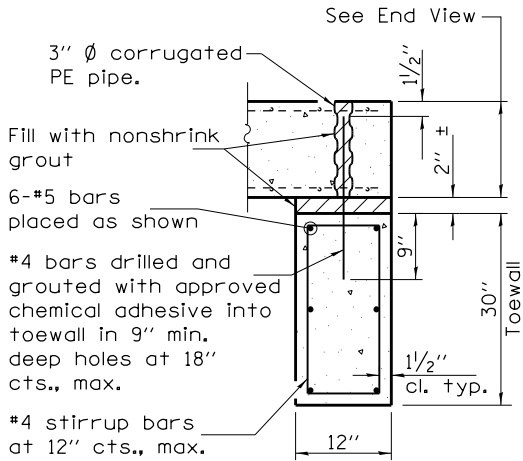


SECTION B-B
(Showing backwall reinforcement for pipes.)

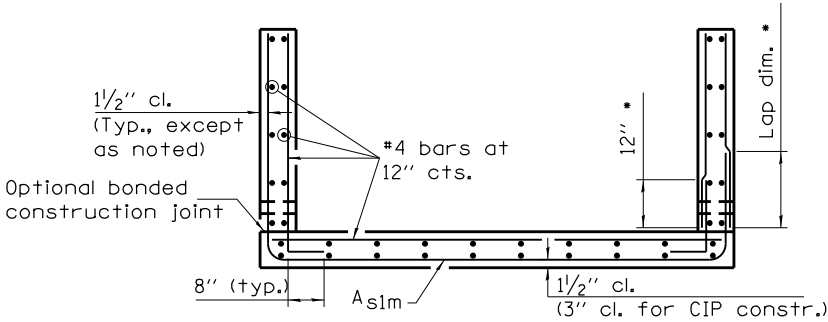
LAP DIMENSION

- #4 bar = 17"
- #5 bar = 21"
- #6 bar = 25"

*The Contractor may use lap splices for the sidewall reinforcement at the locations shown.



SECTION D-D



SECTION C-C

PARALLEL PIPE CULVERT END SECTION DIMENSIONS

Pipe I.D.	Tables IB, IC, IIIA, AND IIIB				
	R	S	L		
			Slope of End Section		
			1:4	1:6	1:10
15"	25"	16"	9'-0"	13'-2"	21'-6"
18"	28"	18"	10'-0"	14'-8"	24'-0"
21"	31"	22"	11'-0"	16'-2"	26'-6"
24"	35"	24"	12'-4"	18'-2"	29'-10"
30"	3'-5"	30"	14'-4"	21'-2"	34'-10"
36"	3'-11"	36"	16'-4"	24'-2"	39'-10"
42"	4'-5"	3'-6"	18'-4"	27'-2"	44'-10"
48"	5'-0"	4'-0"	20'-8"	30'-8"	50'-8"
54"	5'-4"	4'-6"	22'-0"	32'-8"	54'-0"
60"	5'-10"	5'-0"	24'-0"	35'-8"	59'-0"
66"	6'-4"	5'-6"	26'-0"	38'-8"	64'-0"
72"	6'-10"	6'-0"	28'-0"	41'-8"	69'-0"
78"	7'-4"	6'-6"	30'-0"	44'-8"	74'-0"
84"	7'-10"	7'-0"	32'-0"	47'-8"	79'-0"

REINFORCEMENT SCHEDULE

PIPES		
Pipe I.D.	Asim	
	Bar Size	Bar Spacing
15"	#4	12"
18"	#4	12"
21"	#4	12"
24"	#4	12"
30"	#4	12"
36"	#4	12"
42"	#4	12"
48"	#4	8"
54"	#4	8"
60"	#5	8"
66"	#5	8"
72"	#5	8"
78"	#5	8"
84"	#6	8"

The above "Tables" are referenced from Article 542.03 of the Standard Specifications.

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292\00\0020292\08\Design\Details\0020292\02-D2_details01.dgn		DRAWN -	REVISED - 5-09-14							517	(2Y-1)N	WINNEBAGO	306	246
	PLOT SCALE = 100.0000' / 1 in.	CHECKED -	REVISED -							CONTRACT NO. 64L14				
	PLOT DATE = 6/12/2020	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONCRETE END SECTIONS FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.

QUANTITIES

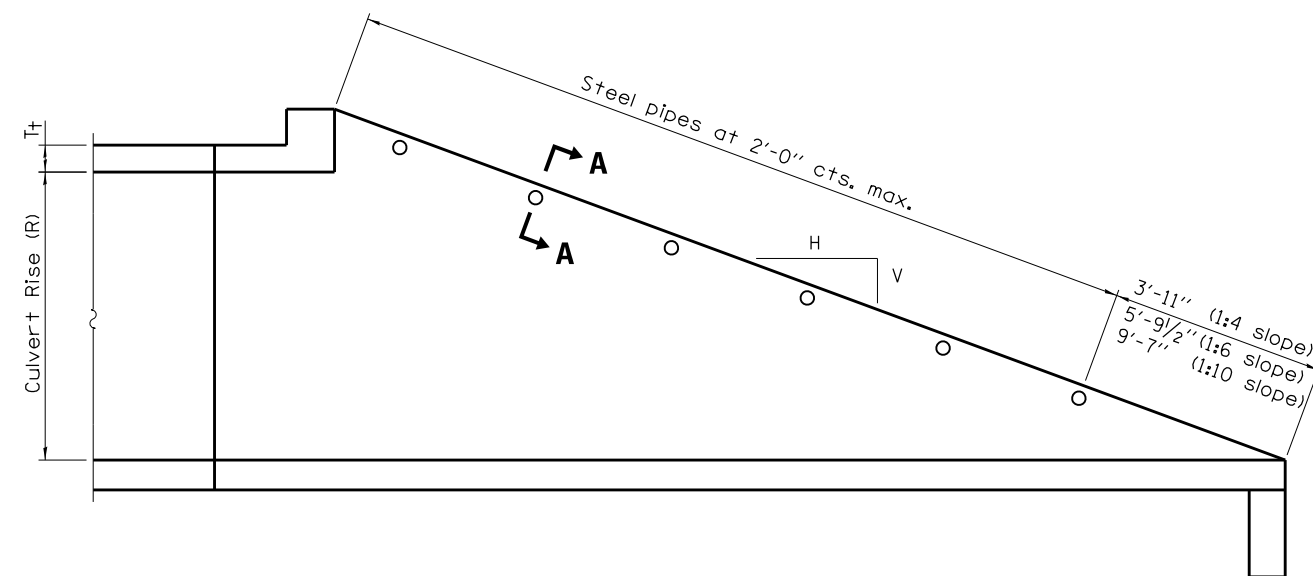
Pipe I.D.	Tables IB, IC, IIIA, AND IIIB								
	Concrete yd ³			Reinforcement without Lap lbs.			Reinforcement with Lap lbs.		
	Slope of End Section			Slope of End Section			Slope of End Section		
	1:4	1:6	1:10	1:4	1:6	1:10	1:4	1:6	1:10
15"	1.4	1.9	2.8	250	330	510	270	350	540
18"	1.6	2.2	3.4	290	400	600	310	420	640
21"	2.0	2.7	4.2	330	450	690	360	480	740
24"	2.3	3.2	5.0	370	510	790	400	550	850
30"	3.1	4.3	6.7	490	680	1060	520	720	1130
36"	3.9	5.5	8.7	580	810	1270	620	870	1360
42"	4.9	6.9	10.9	720	1020	1610	770	1080	1710
48"	6.0	8.6	13.7	940	1320	2090	1010	1420	2240
54"	6.9	9.8	15.7	1090	1540	2440	1160	1650	2610
60"	8.1	11.6	18.6	1410	2000	3190	1530	2180	3480
66"	9.5	13.6	21.8	1650	2360	3780	1780	2560	4100
72"	10.9	15.7	25.2	1840	2630	4220	1990	2850	4580
78"	12.4	17.9	28.9	2110	3040	4900	2280	3280	5290
84"	14.1	20.3	32.8	2710	3910	6320	2970	4290	6950

The above quantities are estimates and provided for information only. Actual quantities may vary depending upon the final layout of reinforcement and number of segments determined by the Contractor.

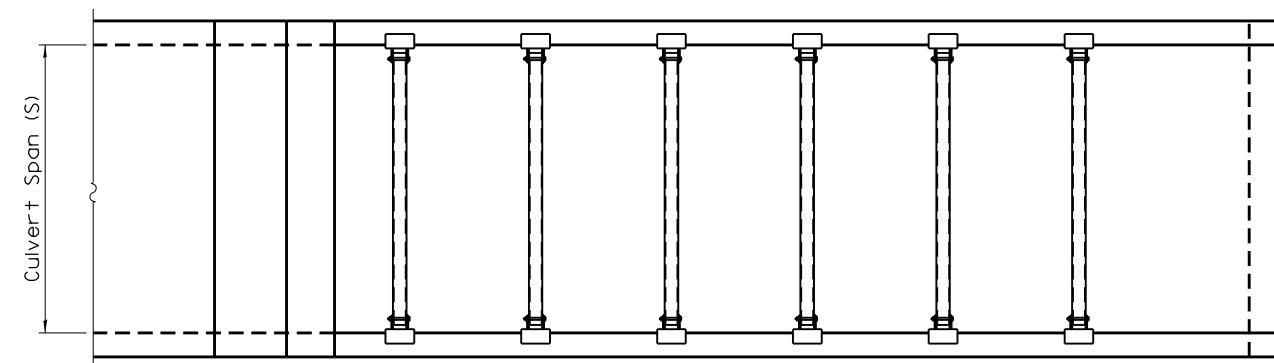
For cast-in-place construction, increase concrete volumes by approximately 12%.

FILE NAME = N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn	USER NAME = Roadway	DESIGNED -	REVISED - 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - 5-09-14	517							(2Y-1)N	WINNEBAGO	306	247	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64L14									
	PLOT DATE = 6/12/2020	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE



LONGITUDINAL SECTION



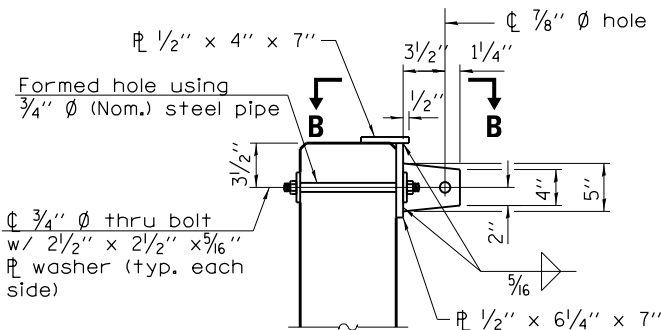
PLAN VIEW

GENERAL NOTES

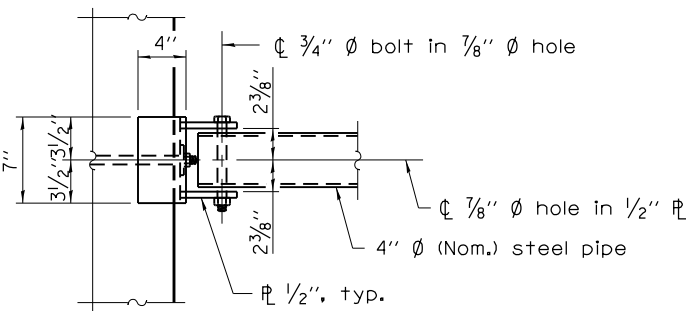
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.

This standard shall only be used on concrete end sections for parallel drainage structures.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.



SECTION A-A
(4" Ø pipe not shown for clarity.)



VIEW B-B

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 5-09-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.00\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED -					517	(2Y-1)N	WINNEBAGO	306	248
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -					CONTRACT NO. 64L14				
	PLOT DATE = 6/12/2020	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.

Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 0'-11"	2'-9"	4 @ 0'-11"	3'-8"	6 @ 0'-11"	5'-6"
18"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"	7 @ 1'-1"	7'-7"
21"	4 @ 1'-5"	5'-8"	5 @ 1'-5"	7'-1"	9 @ 1'-5"	12'-9"
24"	5 @ 1'-7"	7'-11"	6 @ 1'-7"	9'-6"	10 @ 1'-7"	15'-10"
30"	6 @ 2'-1"	12'-6"	8 @ 2'-1"	16'-8"	13 @ 2'-1"	27'-1"
36"	7 @ 2'-7"	18'-1"	10 @ 2'-7"	25'-10"	15 @ 2'-7"	38'-9"
42"	8 @ 3'-1"	24'-8"	11 @ 3'-1"	33'-11"	18 @ 3'-1"	55'-6"
48"	9 @ 3'-7"	32'-3"	13 @ 3'-7"	46'-7"	21 @ 3'-7"	75'-3"
54"	10 @ 4'-1"	40'-10"	14 @ 4'-1"	57'-2"	23 @ 4'-1"	93'-11"
60"	11 @ 4'-7"	50'-5"	15 @ 4'-7"	68'-9"	25 @ 4'-7"	114'-7"
66"	12 @ 5'-1"	61'-0"	17 @ 5'-1"	86'-5"	28 @ 5'-1"	142'-4"
72"	13 @ 5'-7"	72'-7"	18 @ 5'-7"	100'-6"	30 @ 5'-7"	167'-6"
78"	14 @ 6'-1"	85'-2"	20 @ 6'-1"	121'-8"	33 @ 6'-1"	200'-9"
84"	15 @ 6'-7"	98'-9"	21 @ 6'-7"	138'-3"	35 @ 6'-7"	230'-5"

TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 2⅔" x ½"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	2 @ 1'-1"	2'-2"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"
18"	3 @ 1'-5"	4'-3"	4 @ 1'-5"	5'-8"	6 @ 1'-5"	8'-6"
21"	3 @ 1'-7"	4'-9"	5 @ 1'-7"	7'-11"	7 @ 1'-7"	11'-1"
24"	4 @ 1'-11"	7'-8"	5 @ 1'-11"	9'-7"	8 @ 1'-11"	15'-4"
30"	4 @ 2'-7"	10'-4"	6 @ 2'-7"	15'-6"	10 @ 2'-7"	25'-10"
36"	5 @ 3'-1"	15'-5"	7 @ 3'-1"	21'-7"	12 @ 3'-1"	37'-0"
42"	6 @ 3'-9"	22'-6"	9 @ 3'-9"	33'-9"	14 @ 3'-9"	52'-6"
48"	7 @ 4'-5"	30'-11"	10 @ 4'-5"	44'-2"	16 @ 4'-5"	70'-8"
54"	8 @ 4'-11"	39'-4"	11 @ 4'-11"	54'-1"	18 @ 4'-11"	88'-6"
60"	8 @ 5'-7"	44'-8"	12 @ 5'-7"	67'-0"	20 @ 5'-7"	111'-8"
66"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	22 @ 6'-1"	133'-10"
72"	10 @ 6'-7"	65'-10"	15 @ 6'-7"	98'-9"	24 @ 6'-7"	158'-0"
78"	-	-	-	-	-	-
84"	-	-	-	-	-	-

PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 3" x 1"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	-	-	-	-	-	-
18"	-	-	-	-	-	-
21"	-	-	-	-	-	-
24"	-	-	-	-	-	-
30"	-	-	-	-	-	-
36"	6 @ 2'-11"	17'-6"	8 @ 2'-11"	23'-4"	13 @ 2'-11"	37'-11"
42"	7 @ 3'-5"	23'-11"	10 @ 3'-5"	34'-2"	15 @ 3'-5"	51'-3"
48"	8 @ 4'-1"	32'-8"	11 @ 4'-1"	44'-11"	18 @ 4'-1"	73'-6"
54"	9 @ 4'-7"	41'-3"	12 @ 4'-7"	55'-0"	20 @ 4'-7"	91'-10"
60"	9 @ 5'-1"	45'-9"	14 @ 5'-1"	71'-2"	22 @ 5'-1"	111'-10"
66"	10 @ 5'-9"	57'-6"	15 @ 5'-9"	86'-3"	24 @ 5'-9"	138'-0"
72"	11 @ 6'-5"	70'-7"	16 @ 6'-5"	102'-8"	26 @ 6'-5"	166'-10"
78"	12 @ 6'-11"	83'-0"	17 @ 6'-11"	117'-7"	28 @ 6'-11"	193'-8"
84"	12 @ 7'-7"	91'-0"	18 @ 7'-7"	136'-6"	30 @ 7'-7"	227'-6"

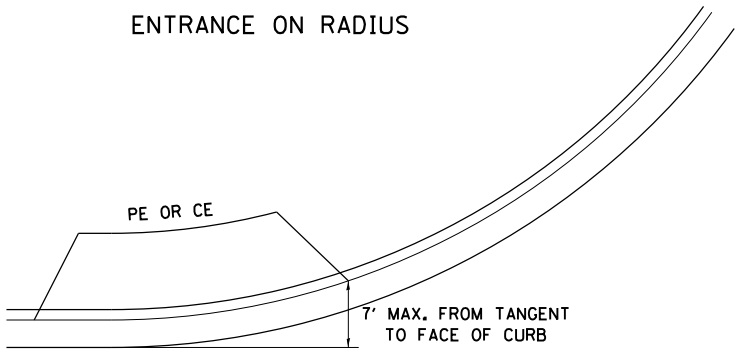
TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

PIPE GRATE SCHEDULE FOR PARALLEL ELLIPTICAL PIPE CULVERTS 15" THRU 72" DIA.

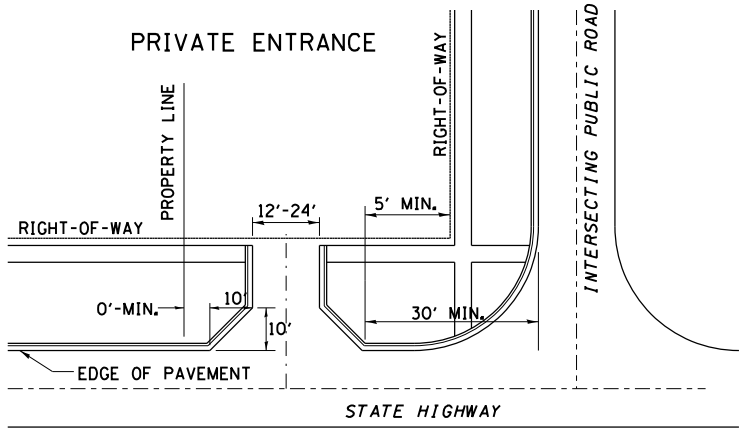
Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
18"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
21"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
24"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
27"	6 @ 3'-7"	21'-6"	8 @ 3'-7"	28'-8"	13 @ 3'-7"	46'-7"
30"	6 @ 3'-11"	23'-6"	9 @ 3'-11"	35'-3"	14 @ 3'-11"	54'-10"
36"	7 @ 4'-7"	32'-1"	10 @ 4'-7"	45'-10"	16 @ 4'-7"	73'-4"
42"	8 @ 5'-5"	43'-4"	11 @ 5'-5"	59'-7"	18 @ 5'-5"	97'-6"
48"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	20 @ 6'-1"	121'-8"
54"	10 @ 6'-9"	67'-6"	14 @ 6'-9"	94'-6"	23 @ 6'-9"	155'-3"
60"	11 @ 7'-7"	83'-5"	15 @ 7'-7"	113'-9"	25 @ 7'-7"	189'-7"
66"	11 @ 8'-3"	90'-9"	17 @ 8'-3"	140'-3"	27 @ 8'-3"	222'-9"
72"	12 @ 8'-11"	107'-0"	18 @ 8'-11"	160'-6"	30 @ 8'-11"	267'-6"

ENTRANCE APPROACHES – URBAN AREA

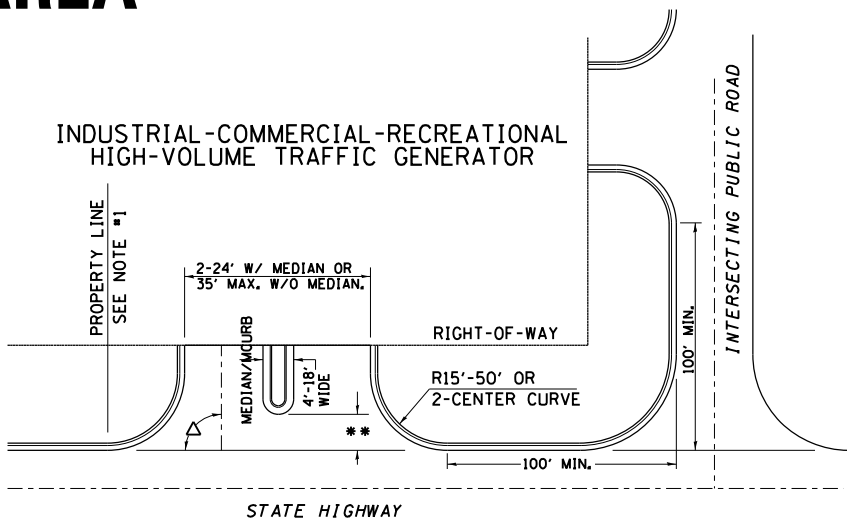
ENTRANCE ON RADIUS



PRIVATE ENTRANCE



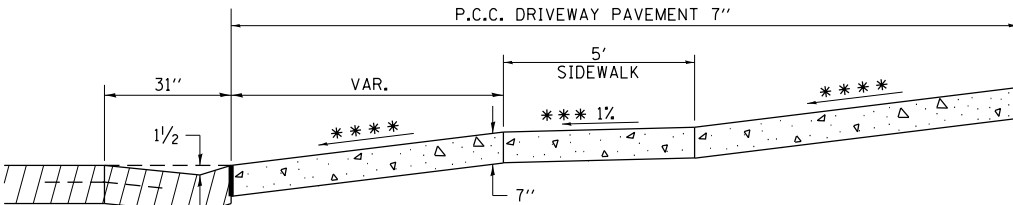
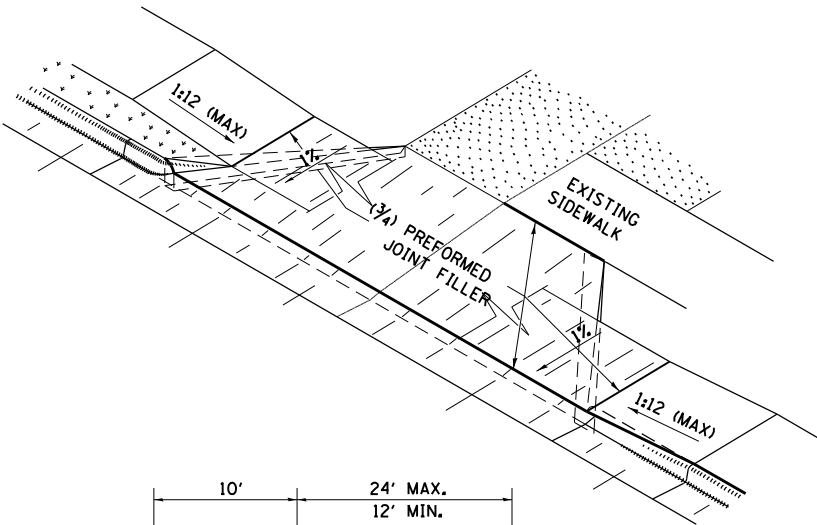
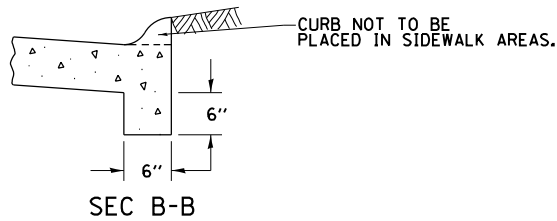
INDUSTRIAL-COMMERCIAL-RECREATIONAL
HIGH-VOLUME TRAFFIC GENERATOR



A MINIMUM OF 440 FEET SHALL BE MAINTAINED BETWEEN CENTER LINES OF ADJACENT DRIVEWAYS.
Δ 90° DESIRABLE, 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS.
60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.

NOTE: *1 ENCROACHMENT ON THE ADJACENT PROPERTY OWNER LAND
REQUIRES HIS OR HER WRITTEN APPROVAL.

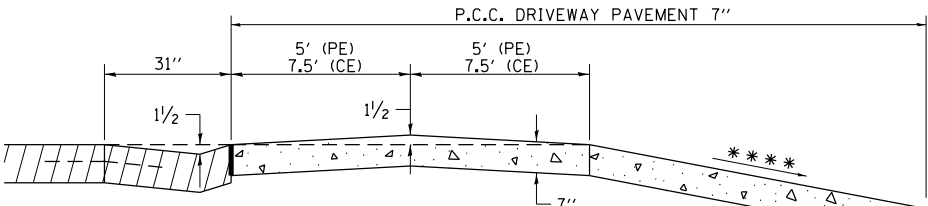
** 4'-10' IF HIGHWAY CURBED.
AT EDGE OF SHOULDER IF HIGHWAY UNCURBED.



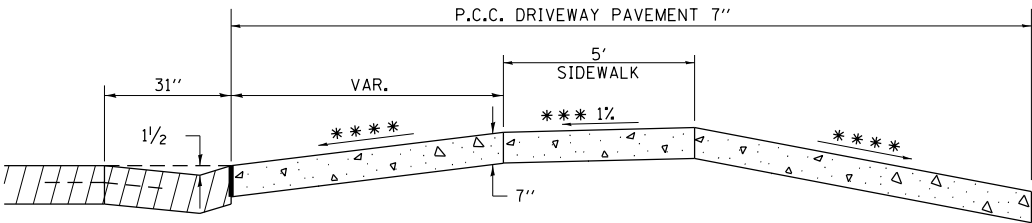
ASCENDING APPROACH

*** SIDEWALK TO BE CONSTRUCTED AS PCC
DRIVEWAY PAVEMENT 7" THROUGH THE
WIDTH OF THE DRIVEWAY, SEE DIST. STD. 35.4

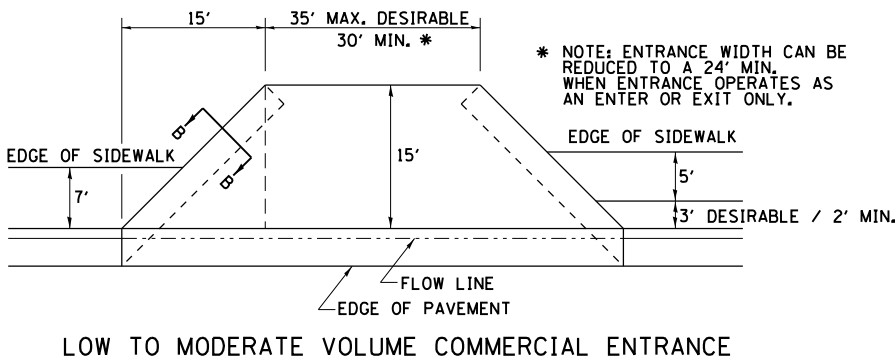
*** 4.0% DESIRABLE
6.0% MAX. COMMERCIAL
8.0% MAX. NON-COMMERCIAL



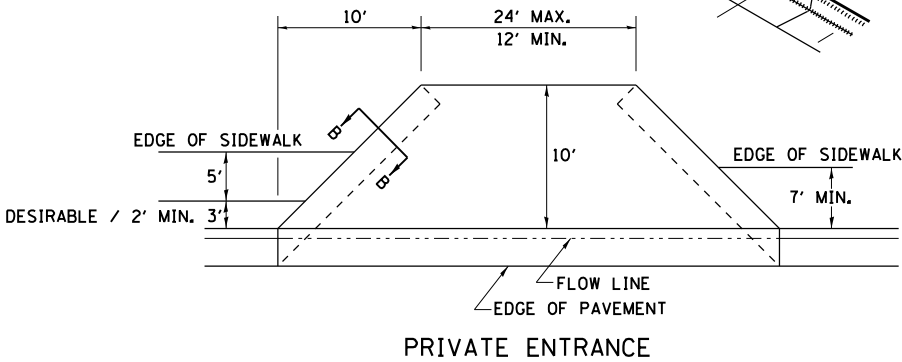
DESCENDING APPROACH
(NO SIDEWALK)



DESCENDING APPROACH
(WITH SIDEWALK)

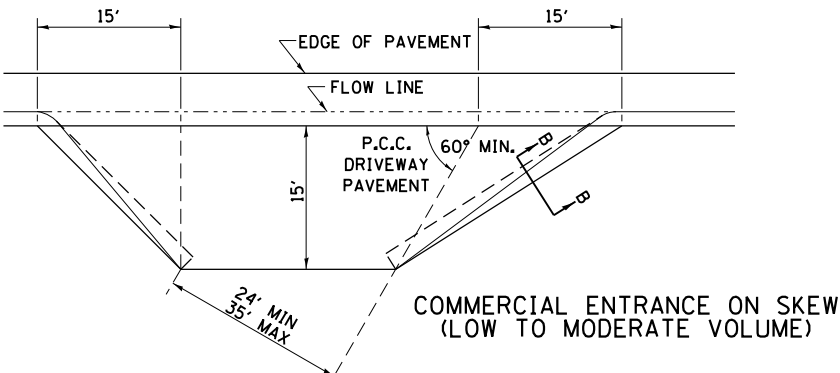


LOW TO MODERATE VOLUME COMMERCIAL ENTRANCE

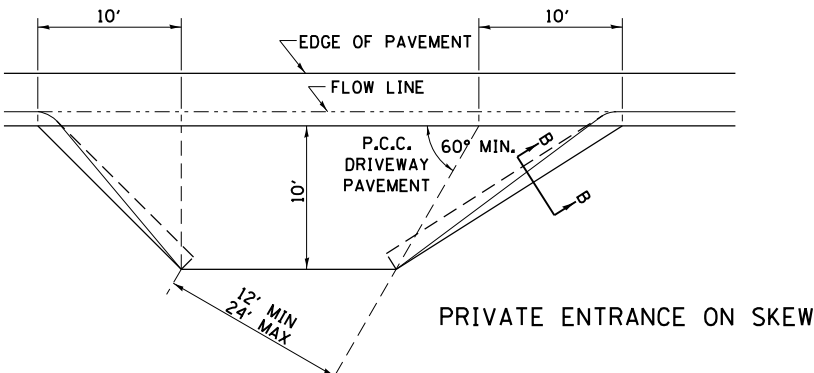


PRIVATE ENTRANCE

NOTE: CURVED ENTRANCE RETURNS MAY
BE USED FOR LOW TO MODERATE
VOLUME LOCATIONS WITH REVIEW ON
A CASE-BY-CASE BASIS.



COMMERCIAL ENTRANCE ON SKEW
(LOW TO MODERATE VOLUME)



PRIVATE ENTRANCE ON SKEW

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 7-19-18
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED - 1-03-18
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED - 6-27-14
	PLOT DATE = 6/12/2020	DATE -	REVISED - 12-07-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

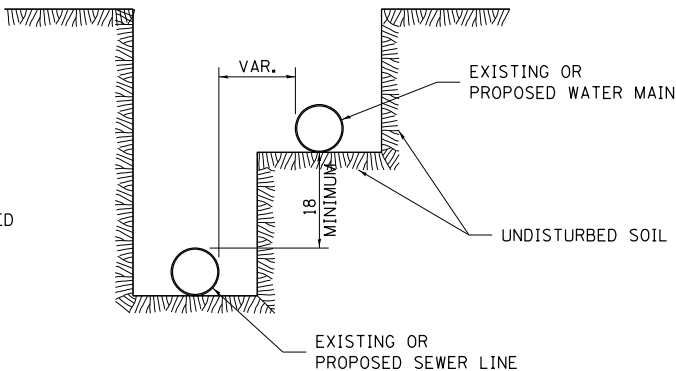
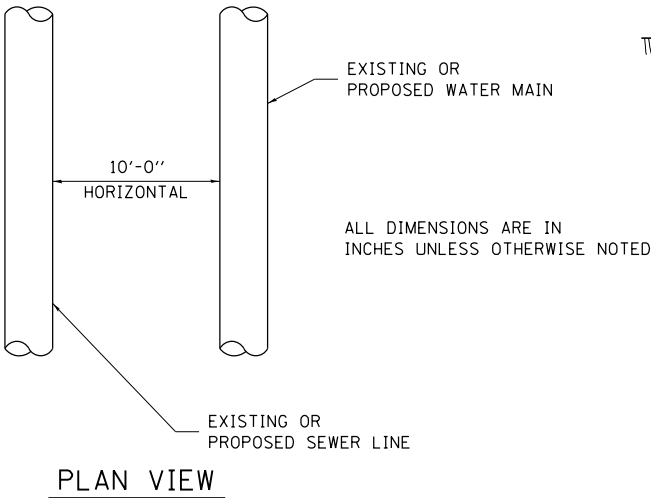
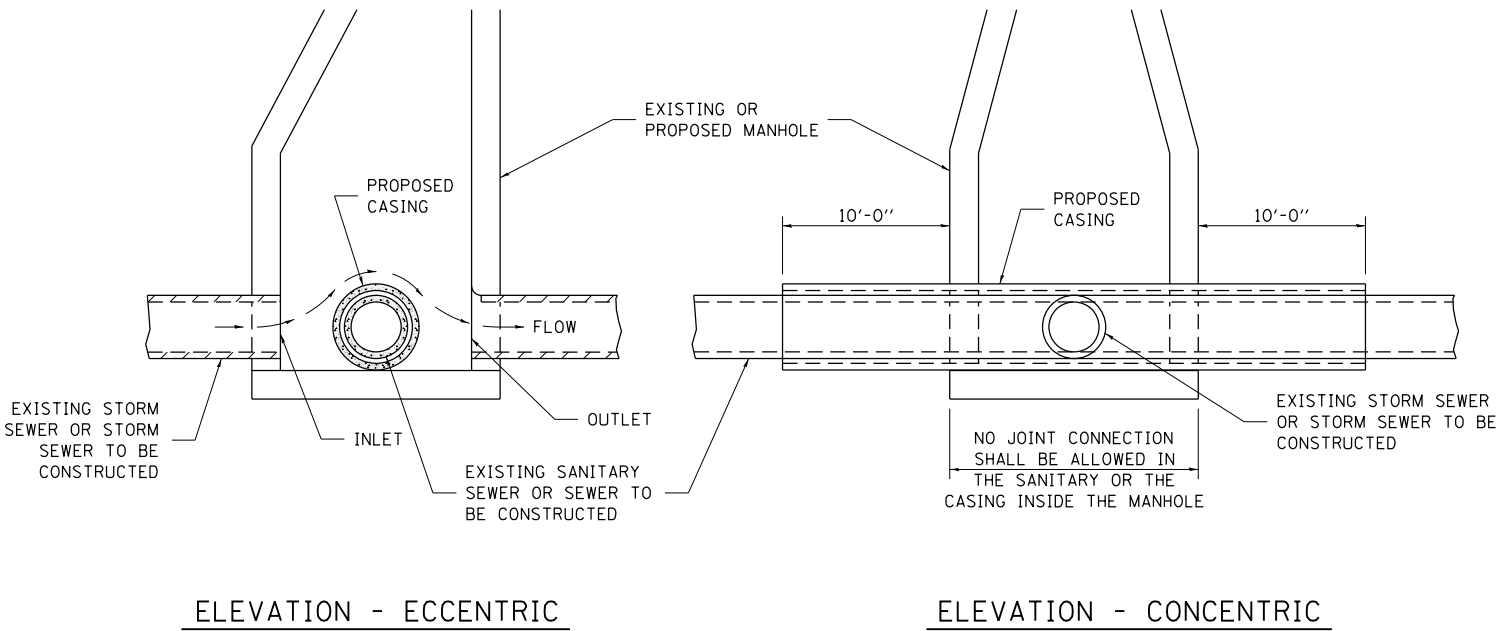
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	253
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO.				64L14

SEWER AND WATER MAIN CROSSINGS

THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10'-0" OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.

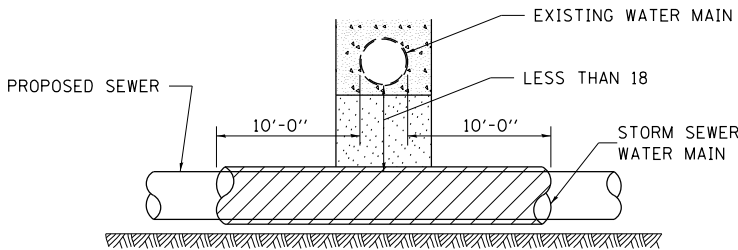


AT GRADE CROSSING OF SANITARY AND STORM SEWER

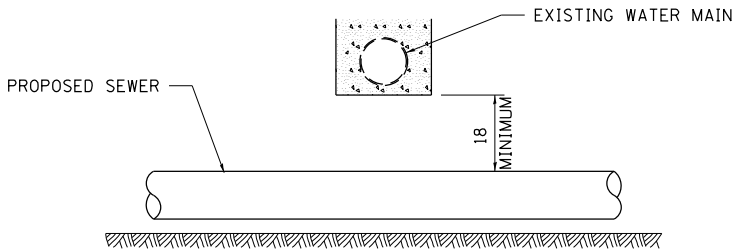
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



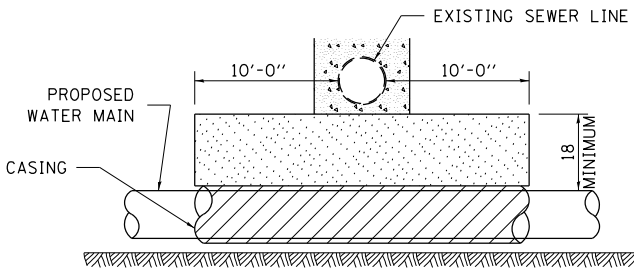
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

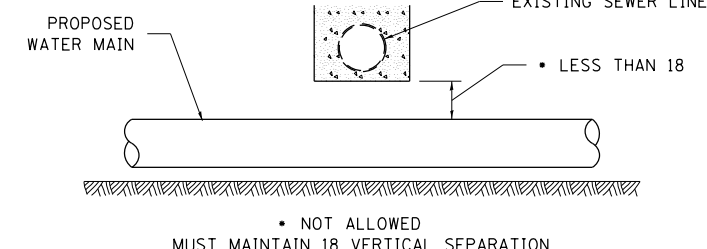
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT
PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

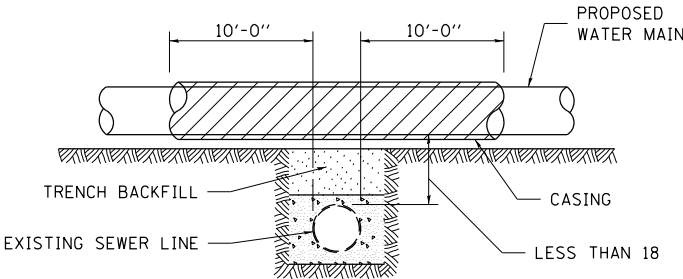
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER

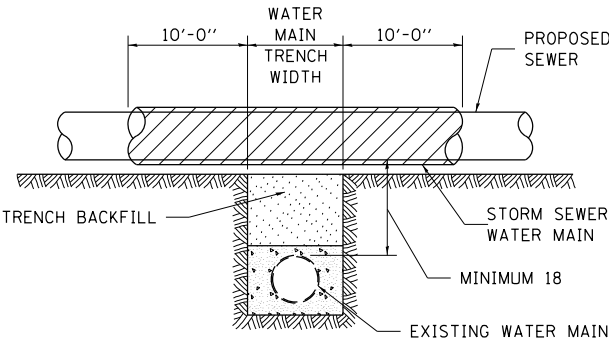


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.



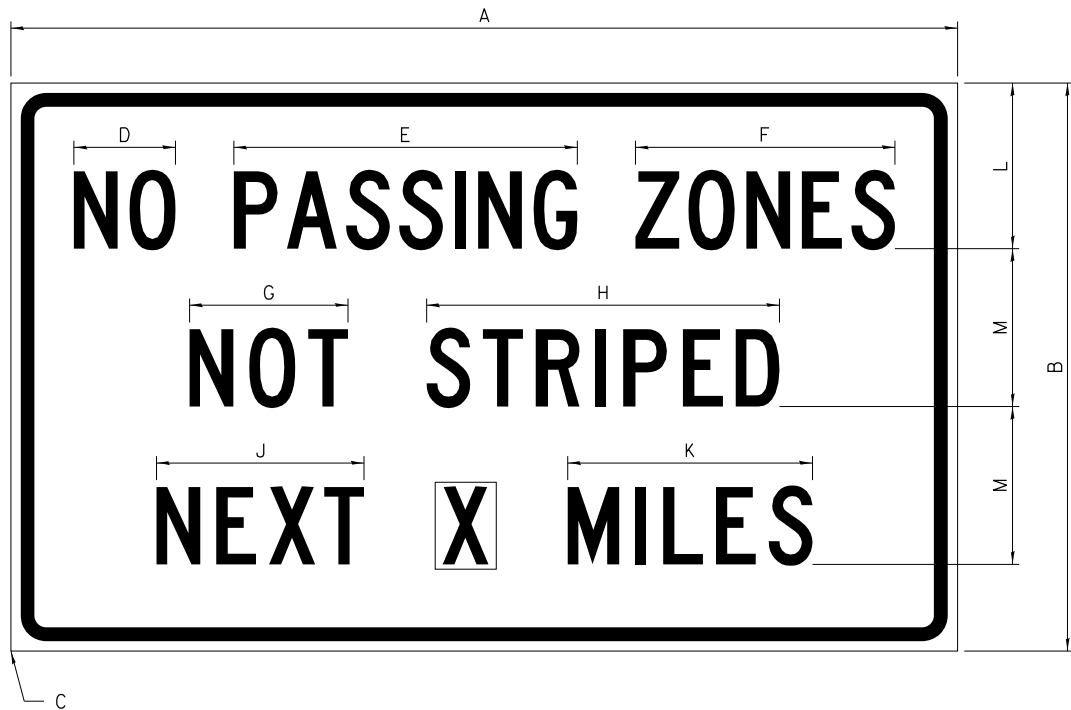
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 10-17-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED -					517	(2Y-1)N	WINNEBAGO	306	254
		PLOT SCALE = 100.0000' / 1" =	REVIS					CONTRACT NO. 64L14				
		PLOT DATE = 6/12/2020	REVIS		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

GENERAL NOTES

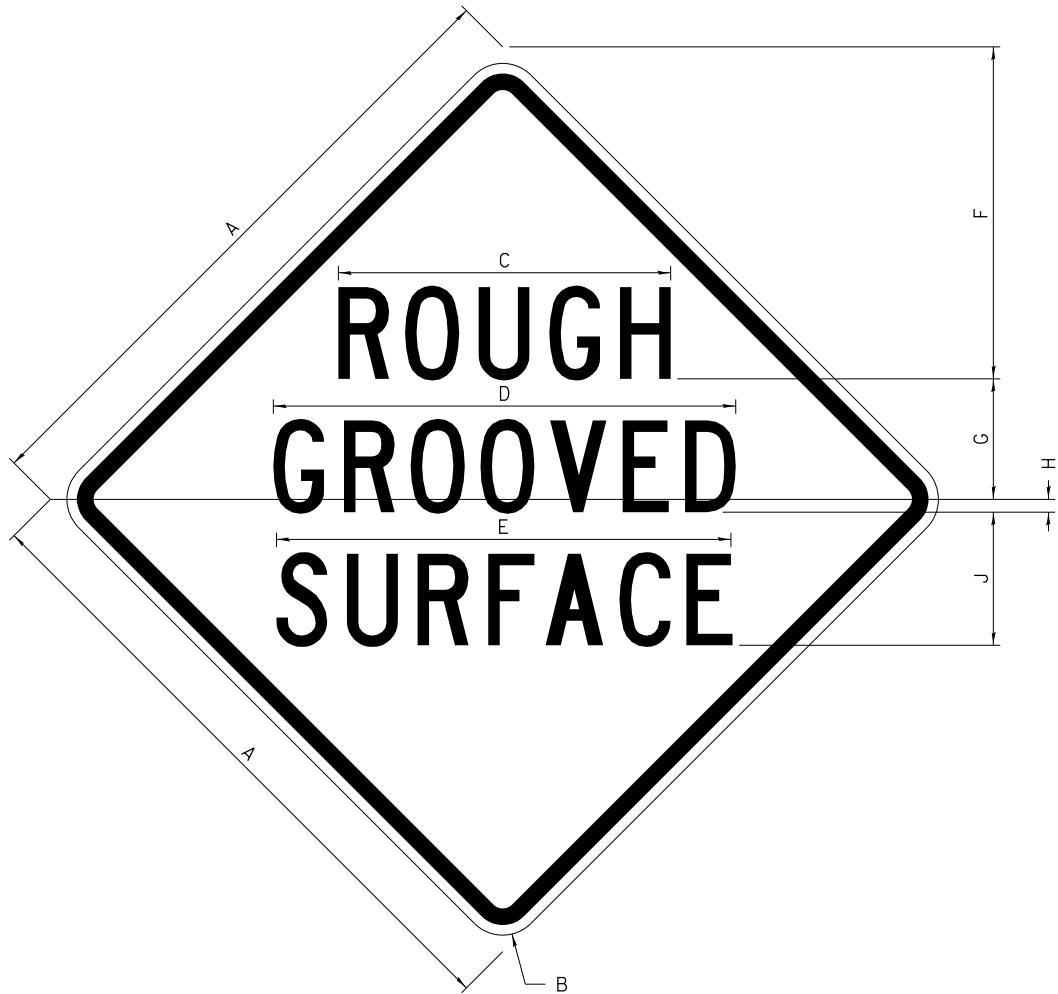
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

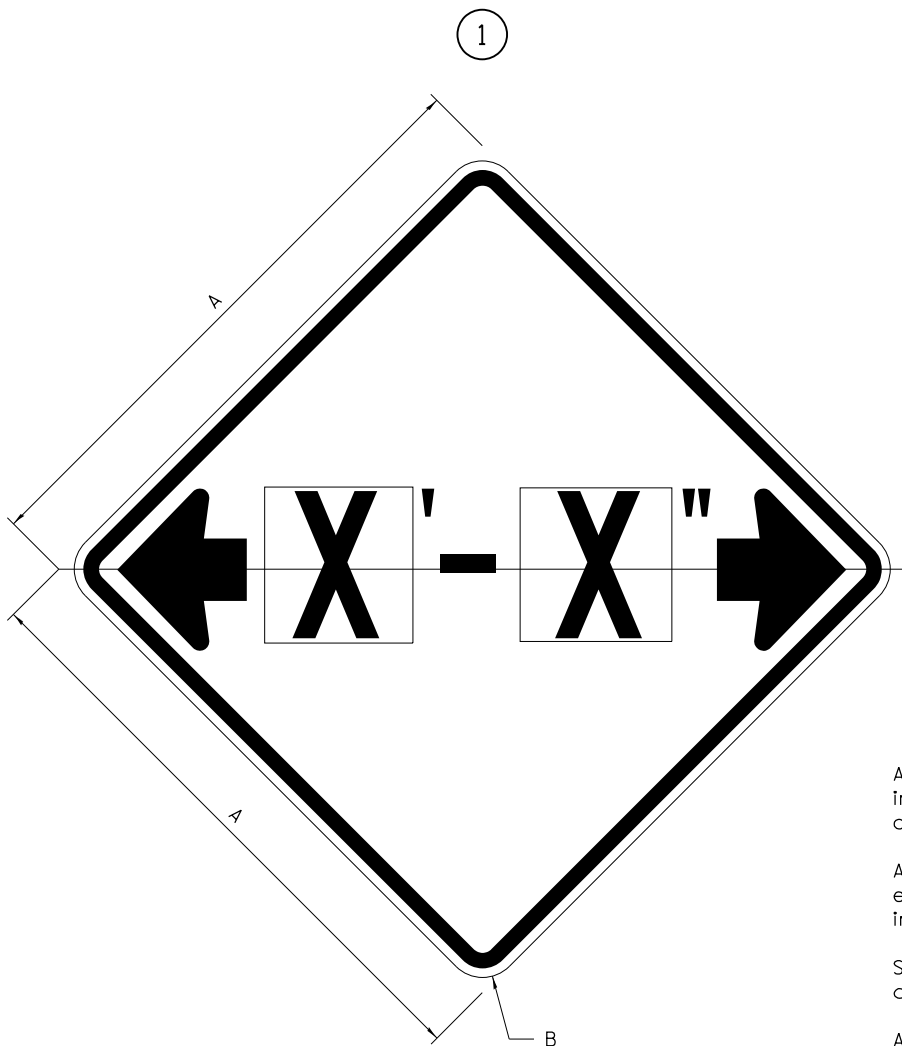
SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

FILE NAME = N:\PROJ\0020292.00\0020292.00\Design\Details\0020292.02-D2_details01.dgn	USER NAME = Roadway	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							517	(2Y-1)N	WINNEBAGO	306	255
	PLOT SCALE = 100.0000' / 1 in.	CHECKED -	REVISED -							CONTRACT NO. 64L14				
	PLOT DATE = 6/12/2020	DATE -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

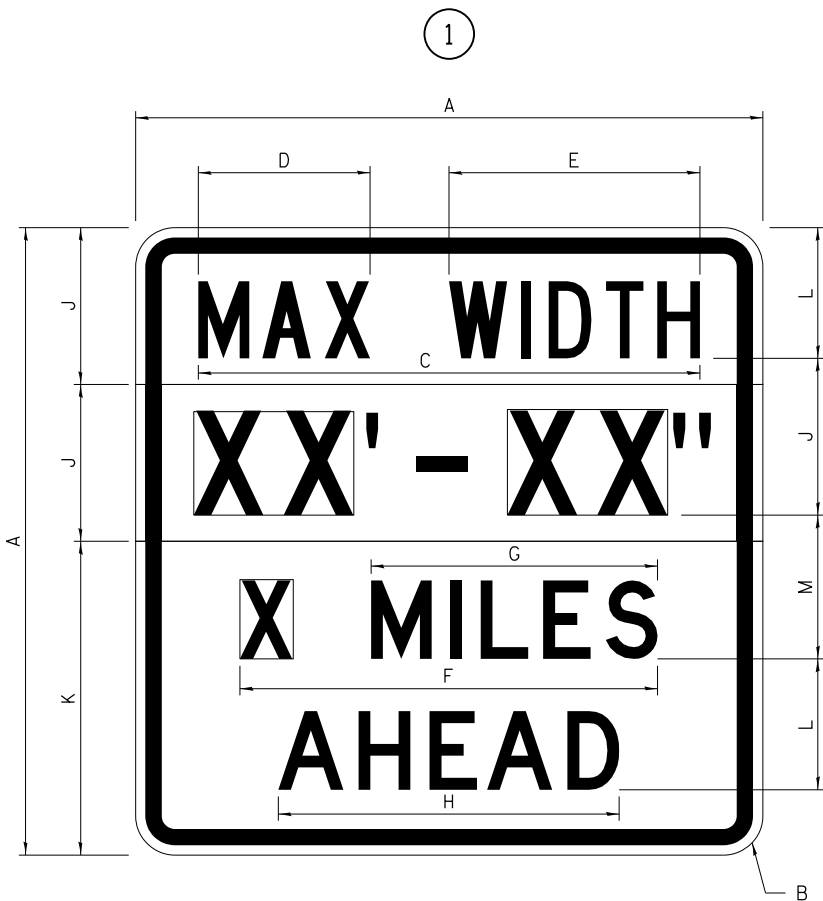
SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

1 Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

ILLINOIS STANDARD W12-I103



COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

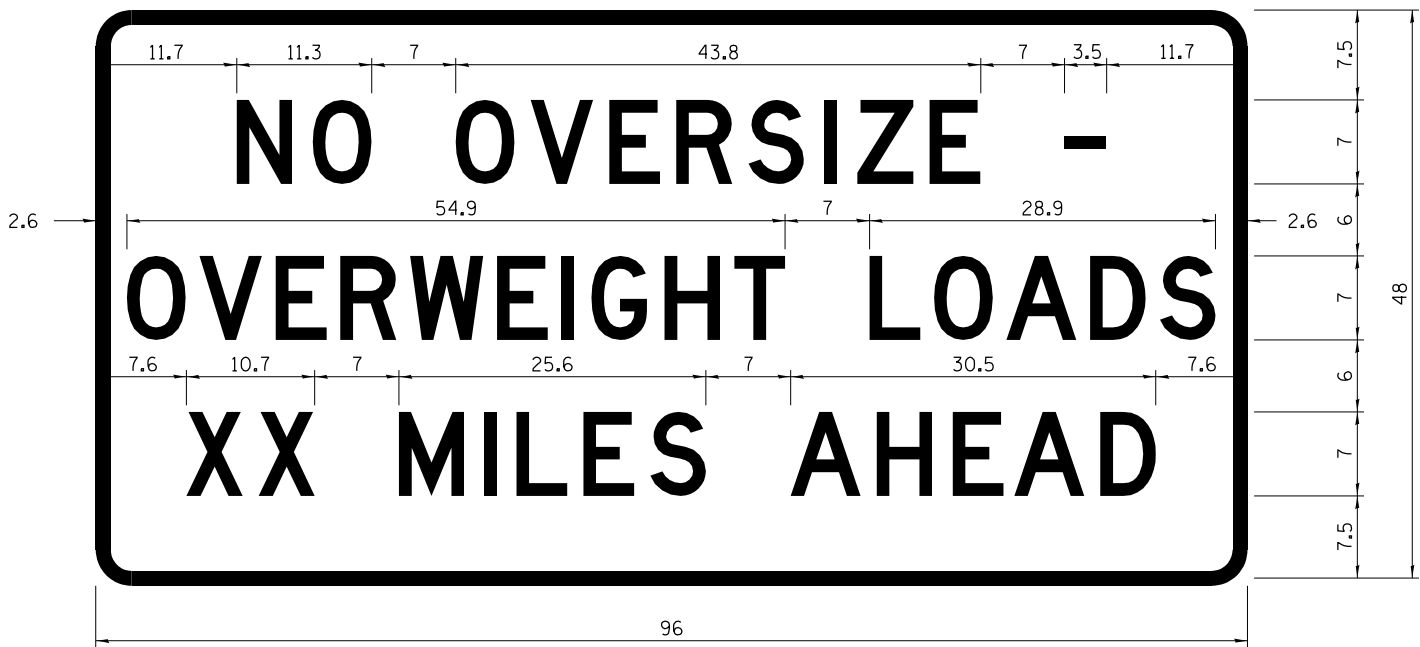
Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

FILE NAME = N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn	USER NAME = Roadway	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						517	(2Y-1)N	WINNEBAGO	306	256
	PLOT SCALE = 100.0000' / 1 in.	CHECKED -	REVISED -						CONTRACT NO. 64L14				
	PLOT DATE = 6/12/2020	DATE -	REVISED -						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.							

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
[NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

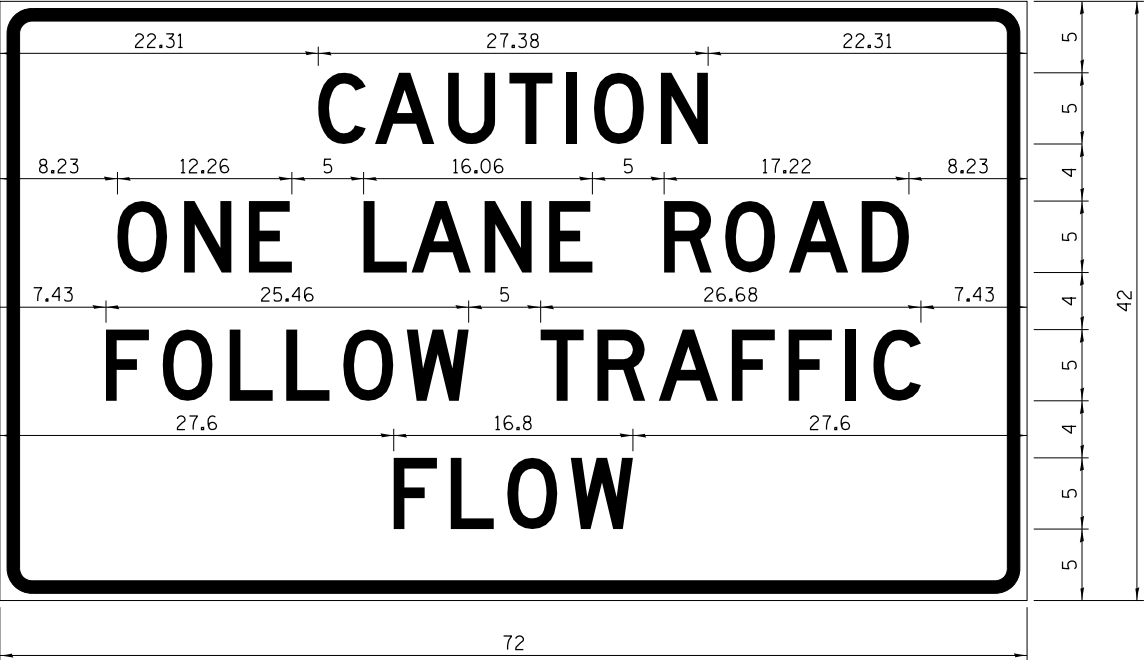
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME = N:\PROJ\0020292.00\0020292.00\Design\Details\0020292.02-D2_details01.dgn	USER NAME = Roadway	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					517	(2Y-1)N	WINNEBAGO	306	257
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 64L14				
	PLOT DATE = 6/12/2020	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.						

ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS

WORK ZONE SIGN DETAILS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

GENERAL NOTES

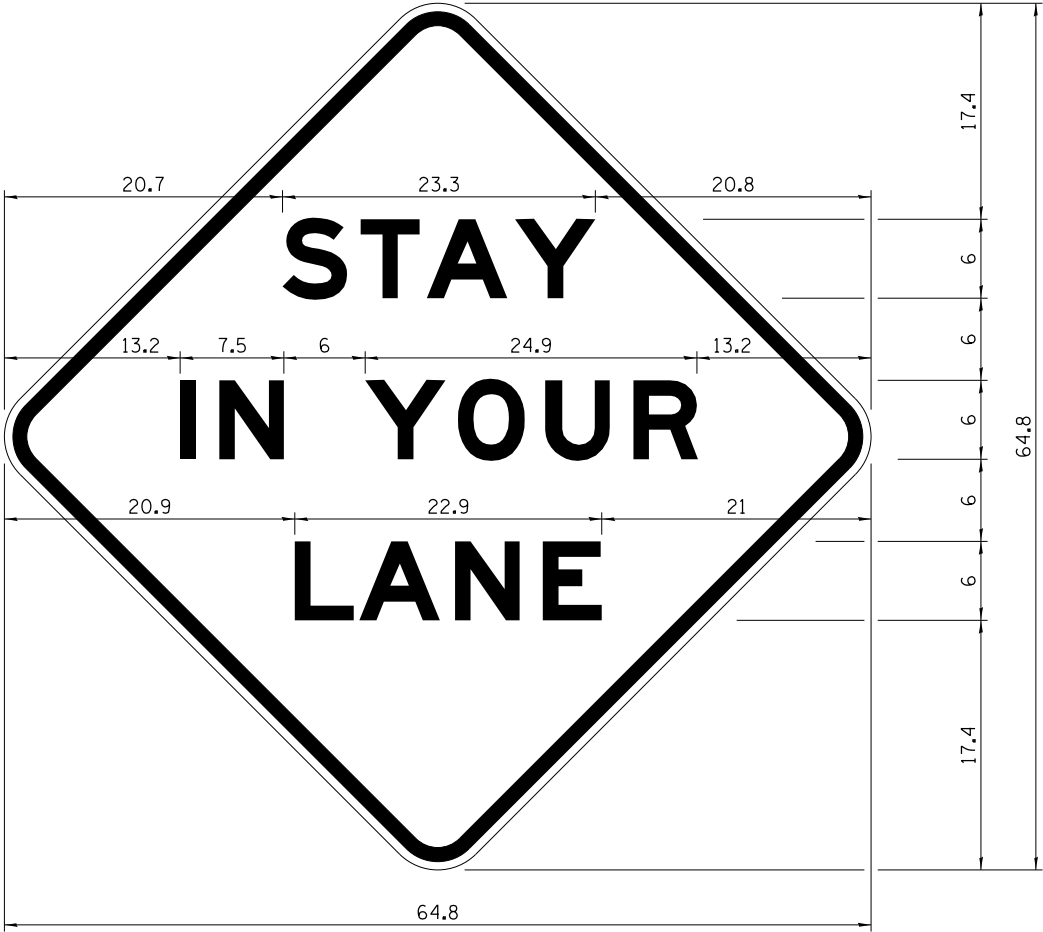
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

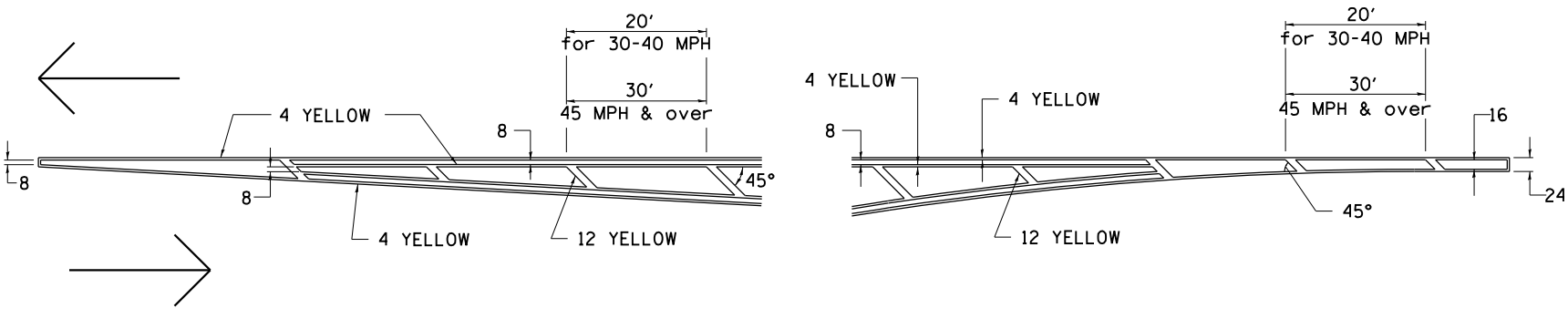
I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

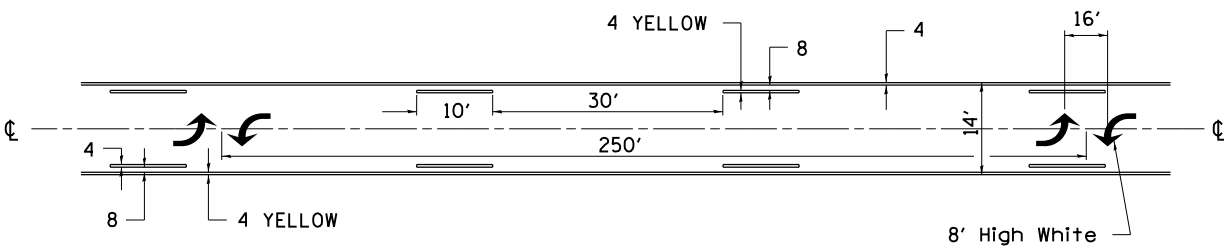
Sign not to scale

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

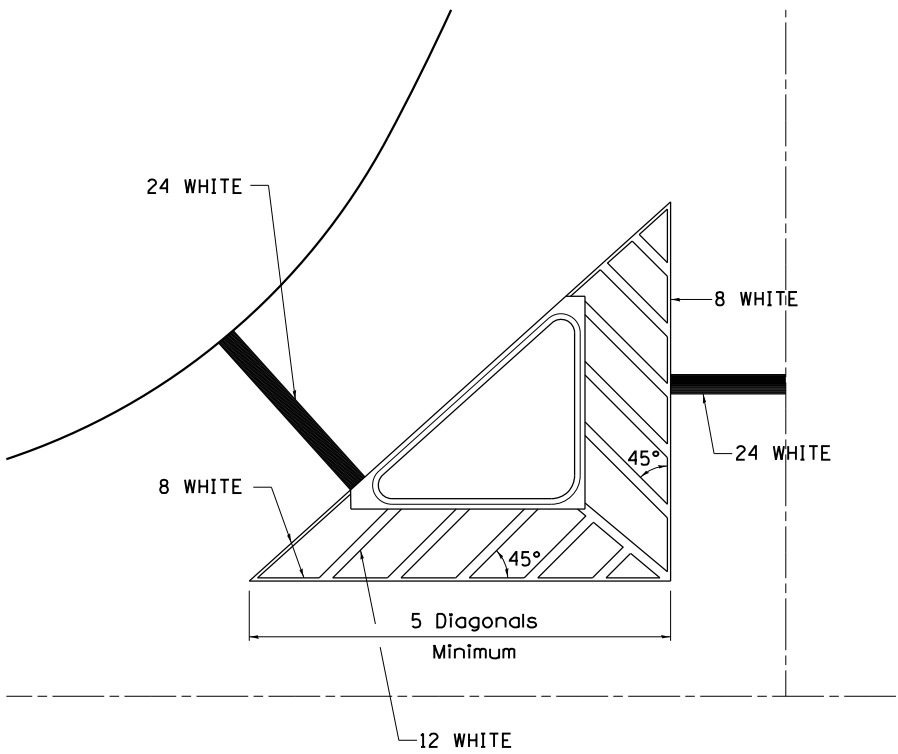


MEDIAN PAVEMENT MARKING



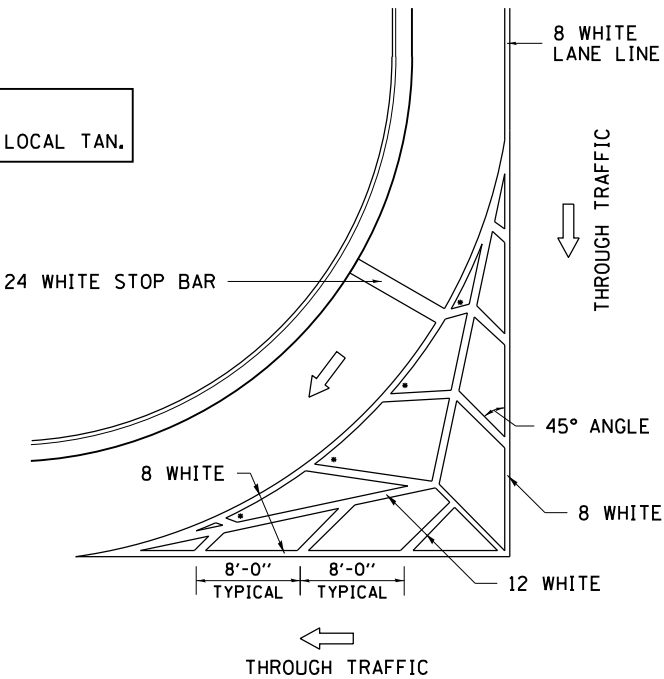
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



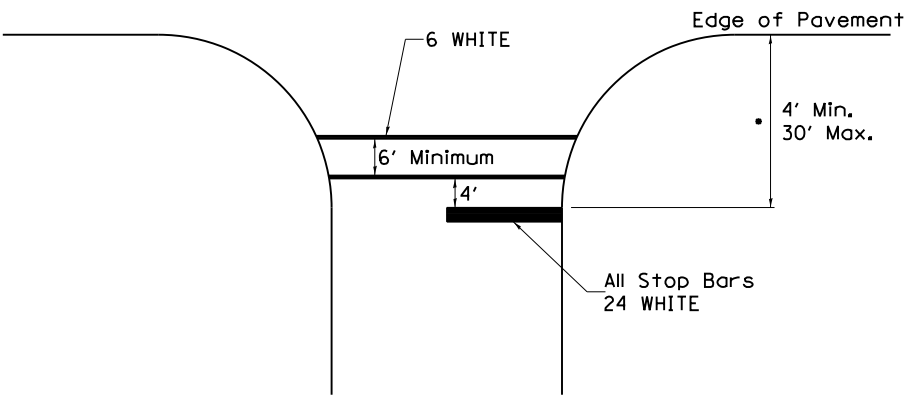
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

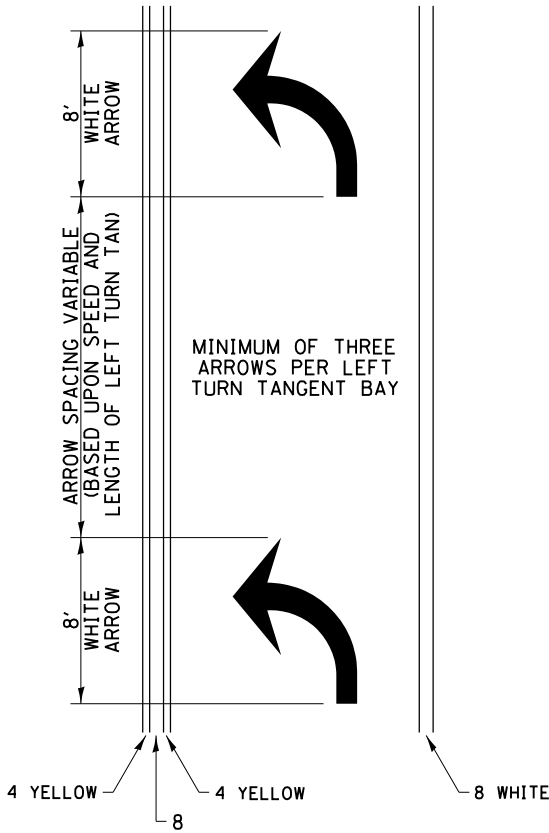


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2_details01.dgn		DRAWN -	REVISED - 3-05-12						517	(2Y-1)N	WINNEBAGO	306	259
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 64L14								
	PLOT DATE = 6/12/2020	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

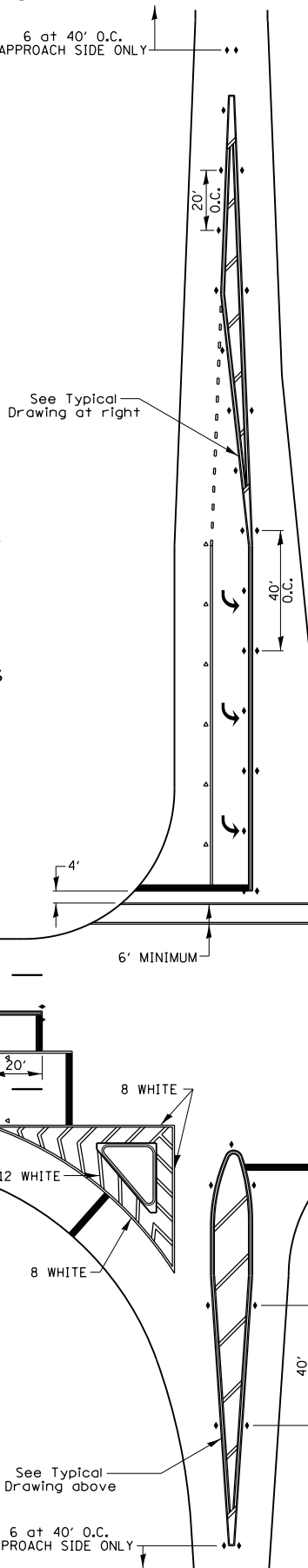
TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

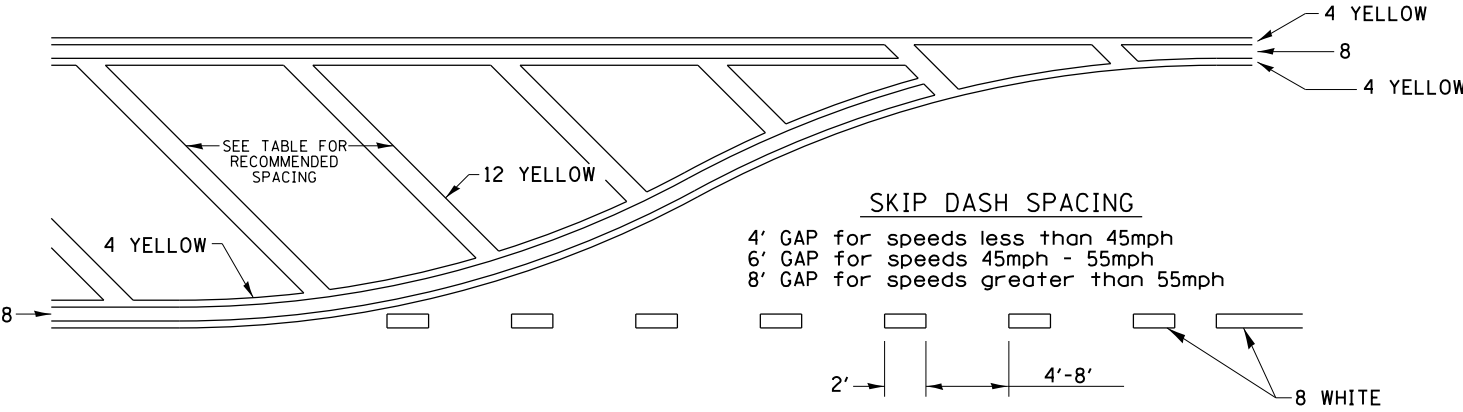


- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



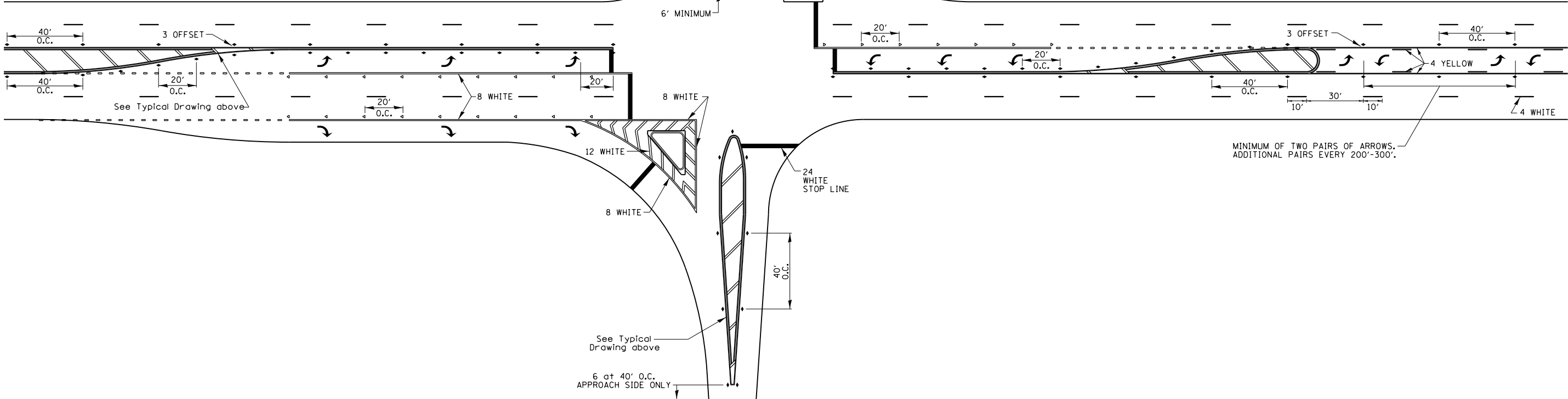
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



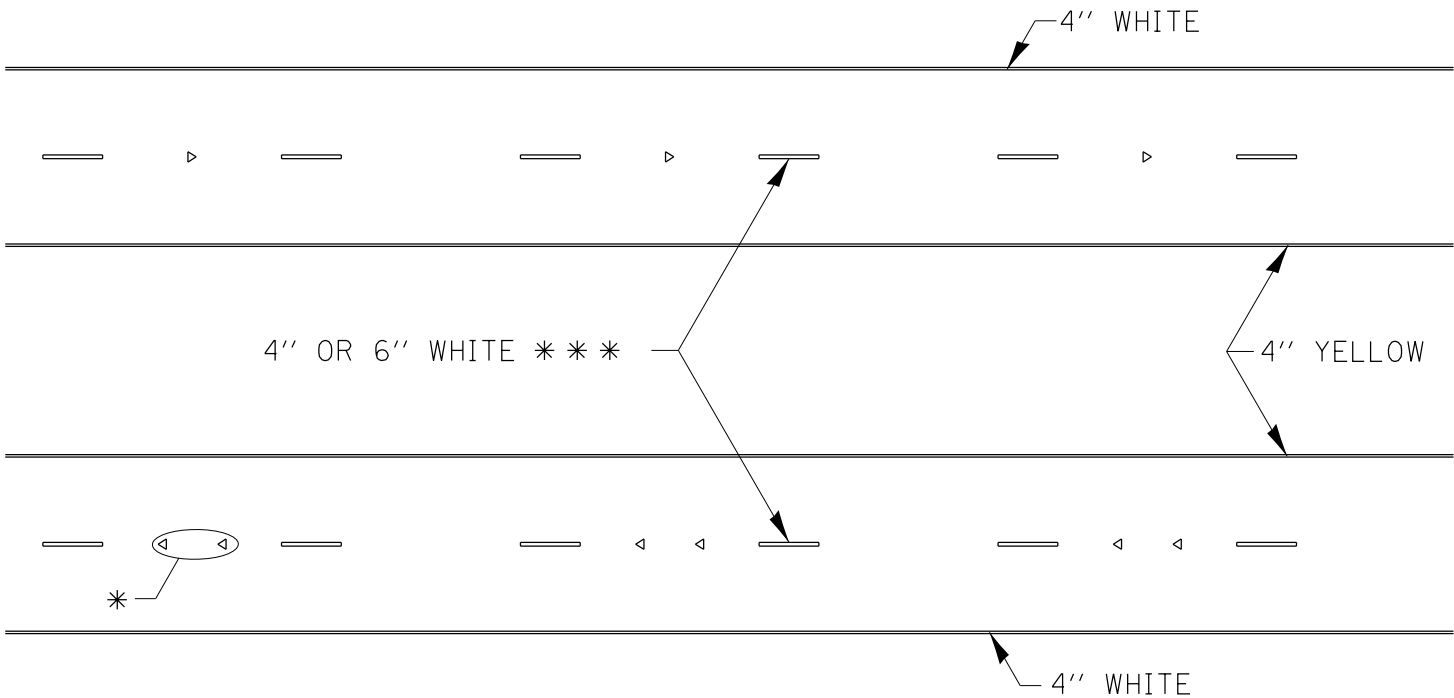
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

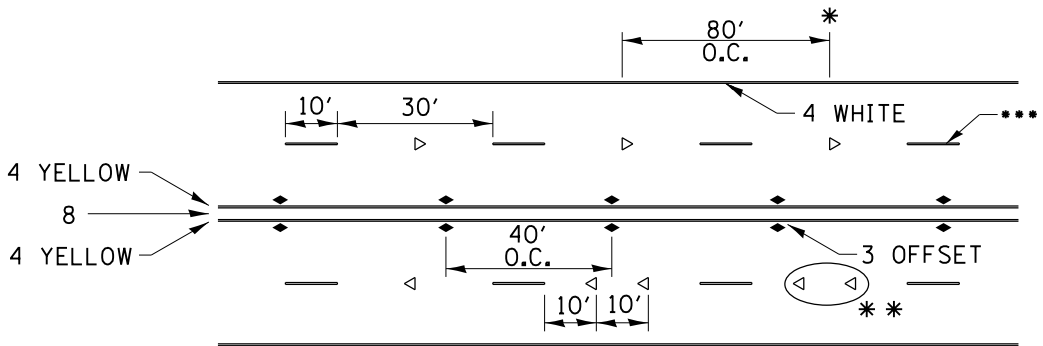


TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED

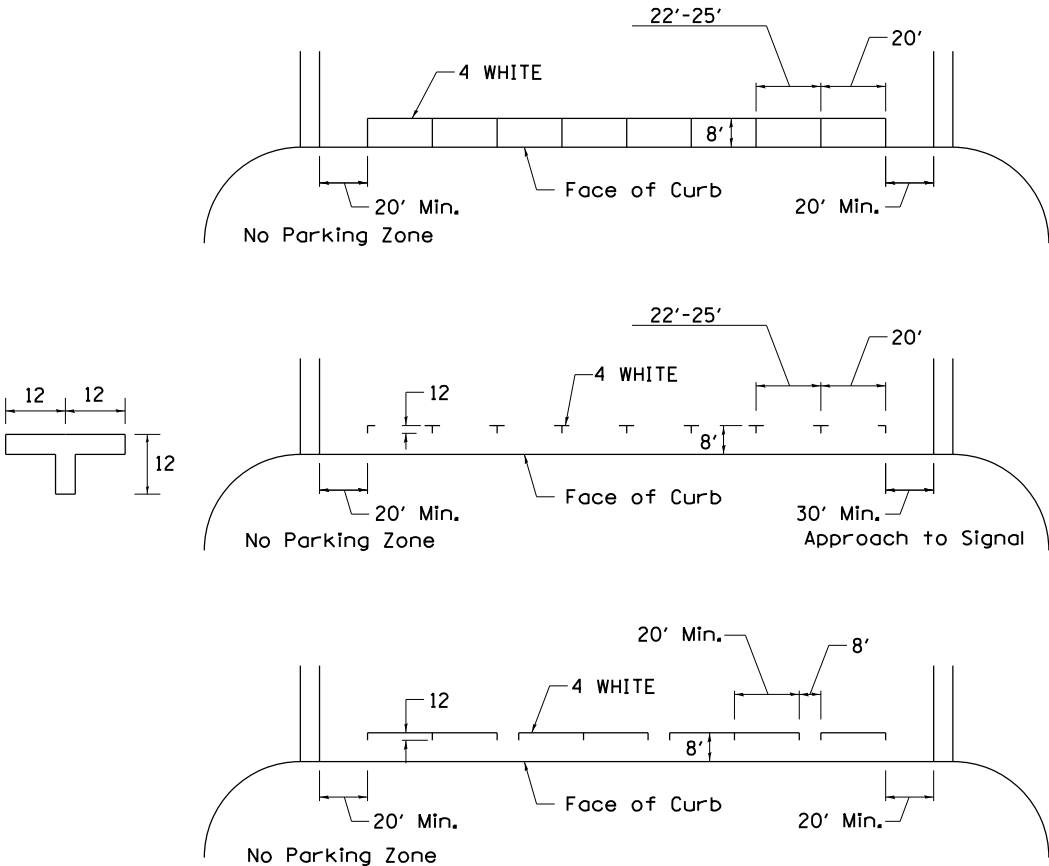


- * REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- *** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

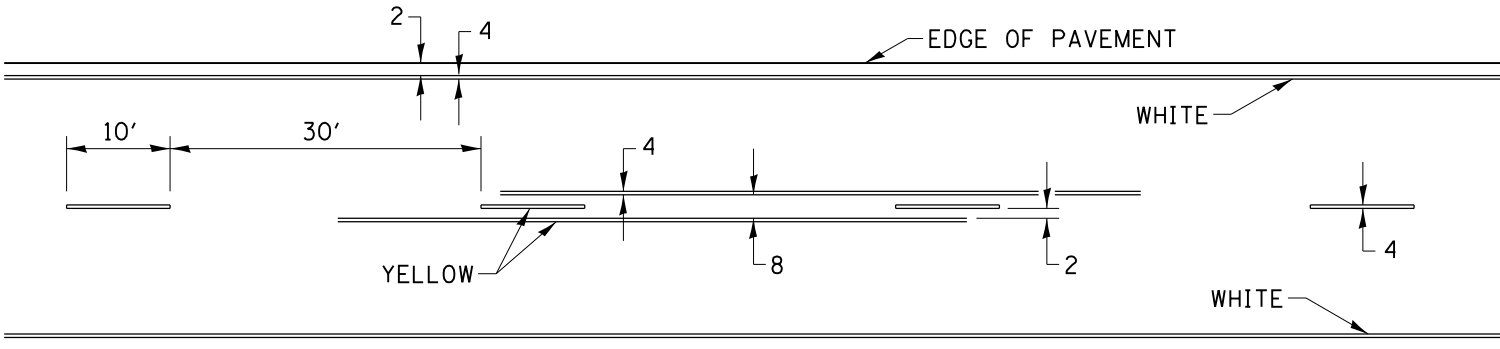
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING

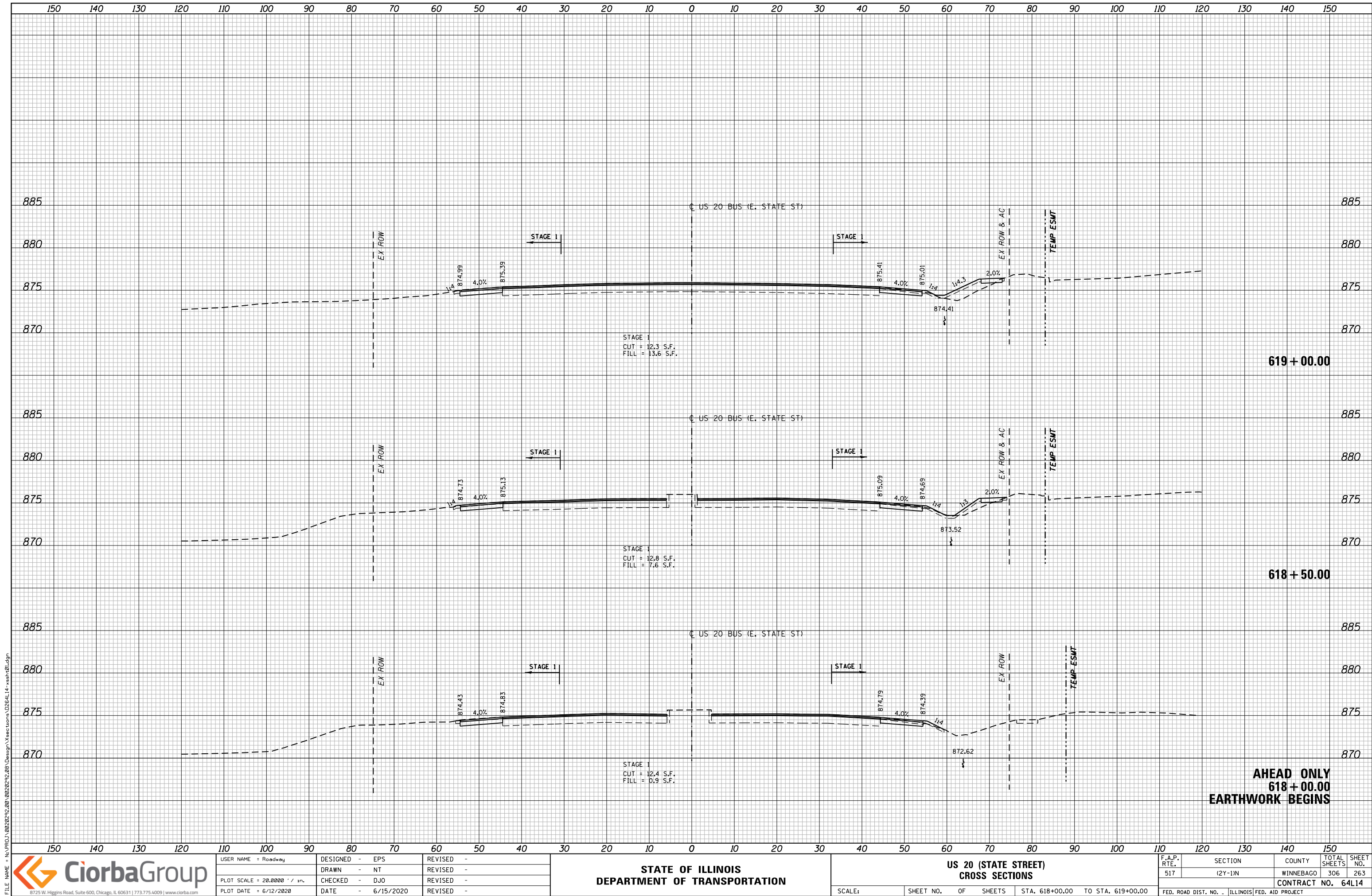


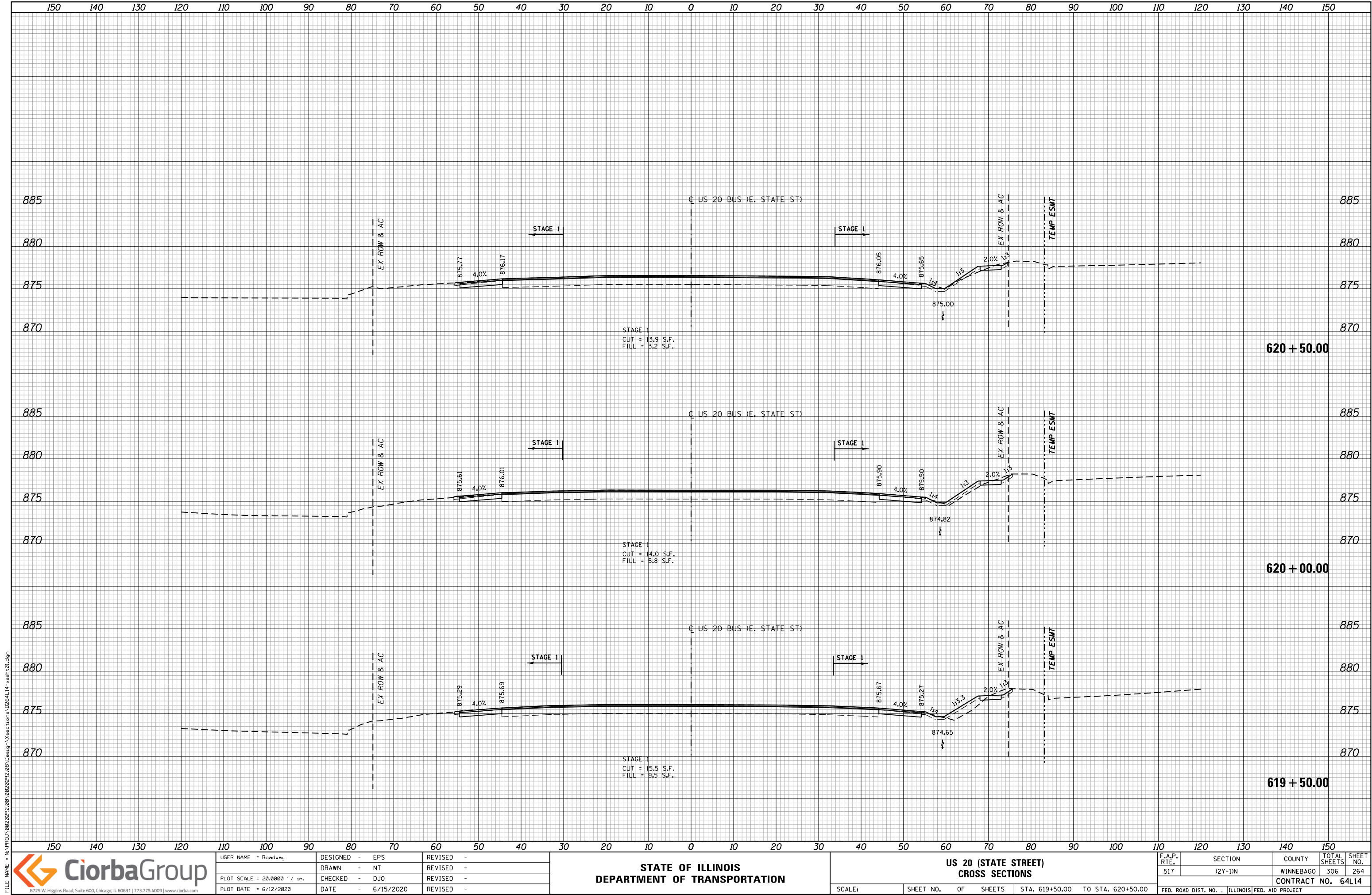
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = Roadway	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\PROJ\0020292.00\0020292.08\Design\Details\0020292.02-D2-details01.dgn		DRAWN -	REVISED - 8-27-13							517	(2Y-1)N	WINNEBAGO	306	261
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - 11-28-12		CONTRACT NO. 64L14									
	PLOT DATE = 6/12/2020	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			





FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\0264114-xssh01.dgn

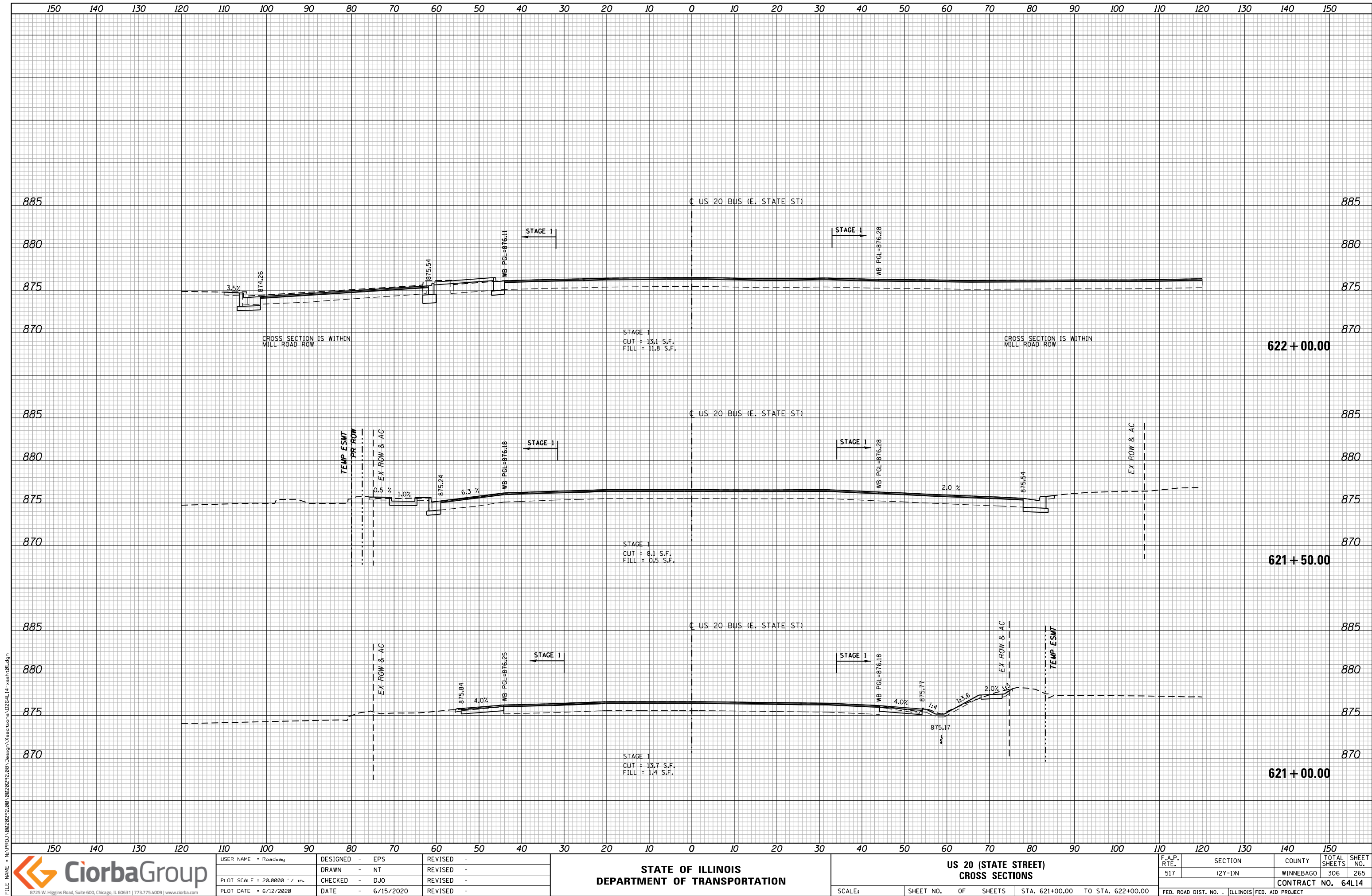


USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET) CROSS SECTIONS		SCALE:	SHEET NO.	OF	SHEETS	STA. 619+50.00	TO STA. 620+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	264
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\026414-xssh01.dgn



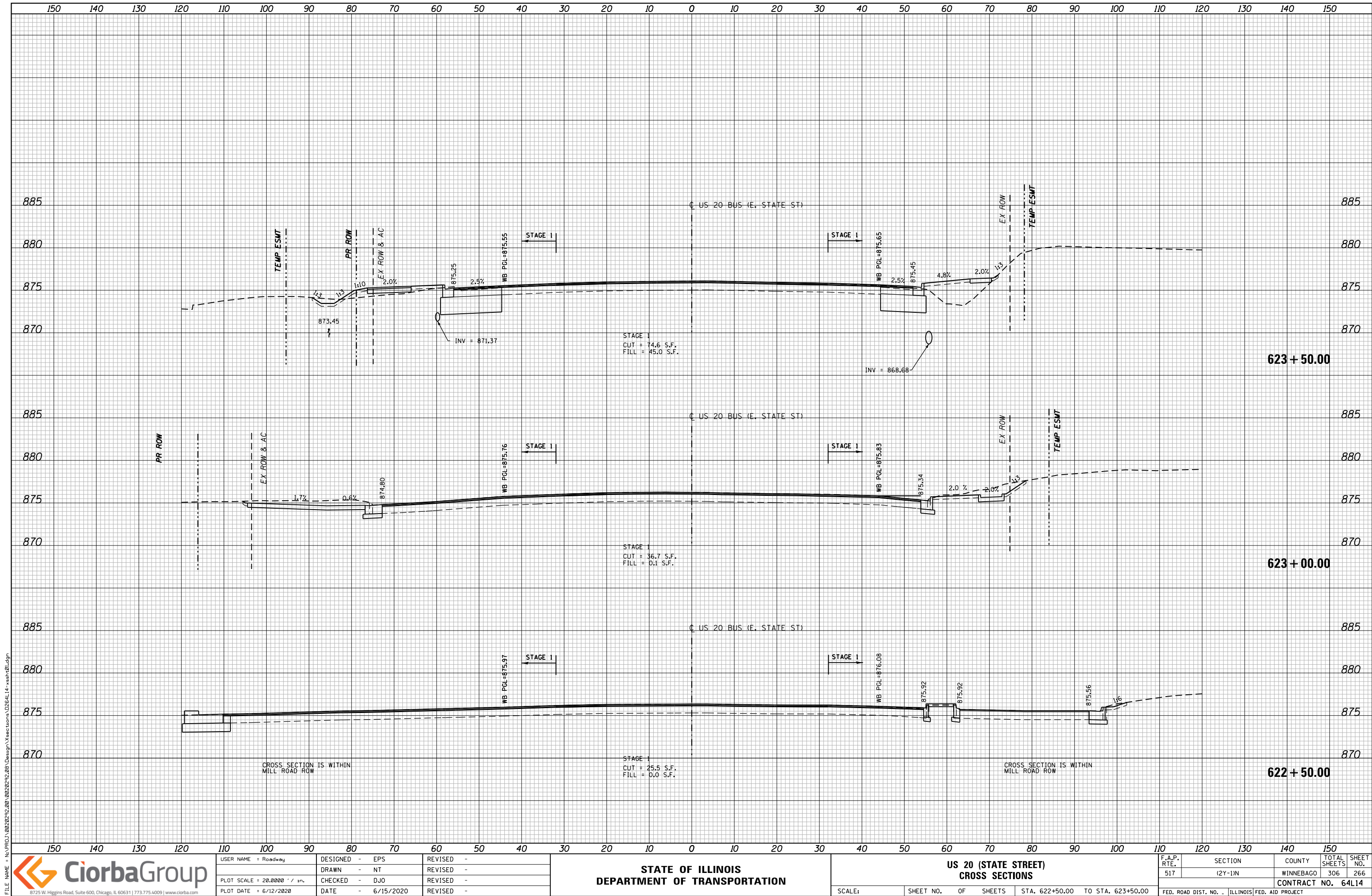
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 28.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

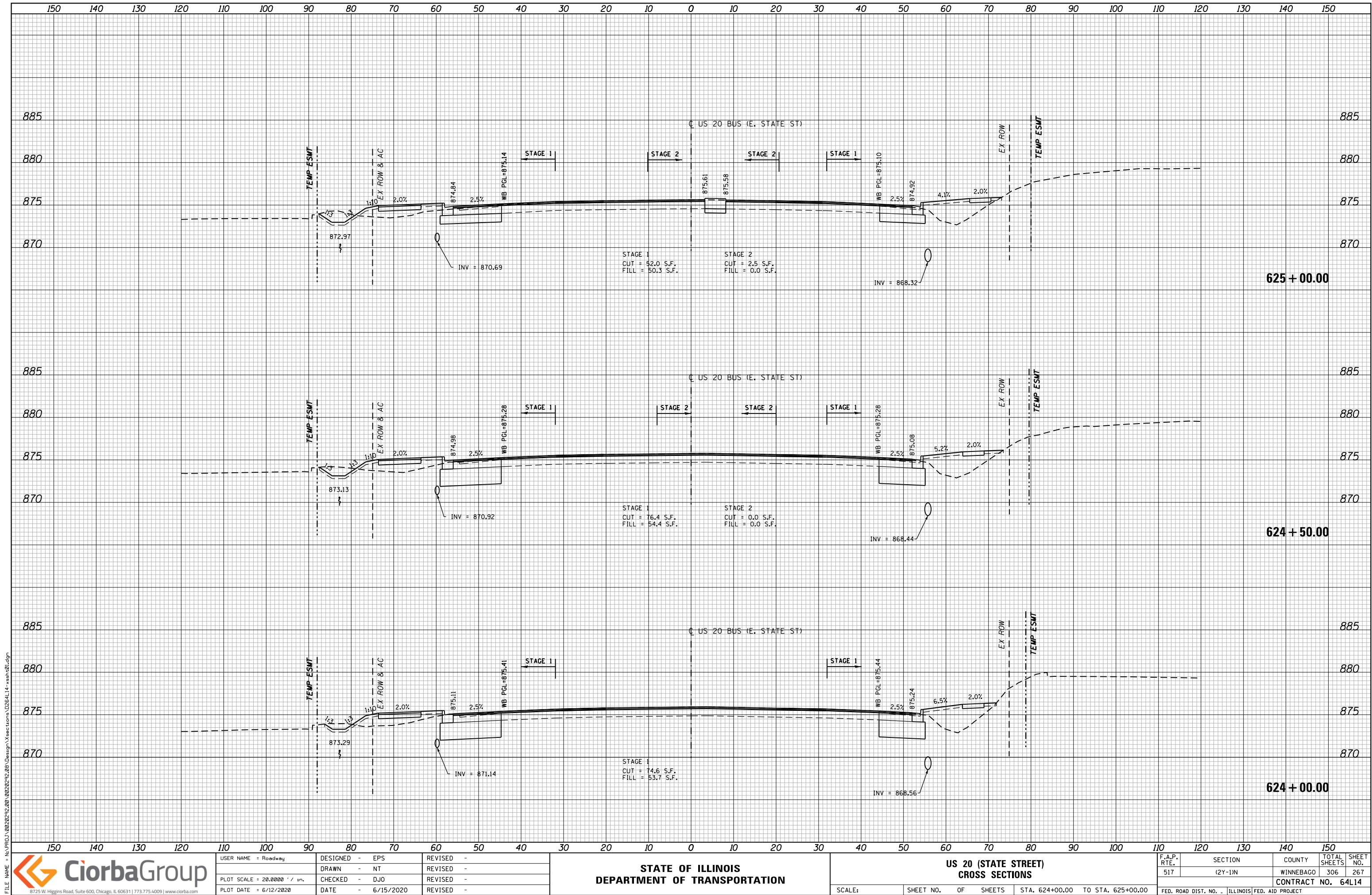
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

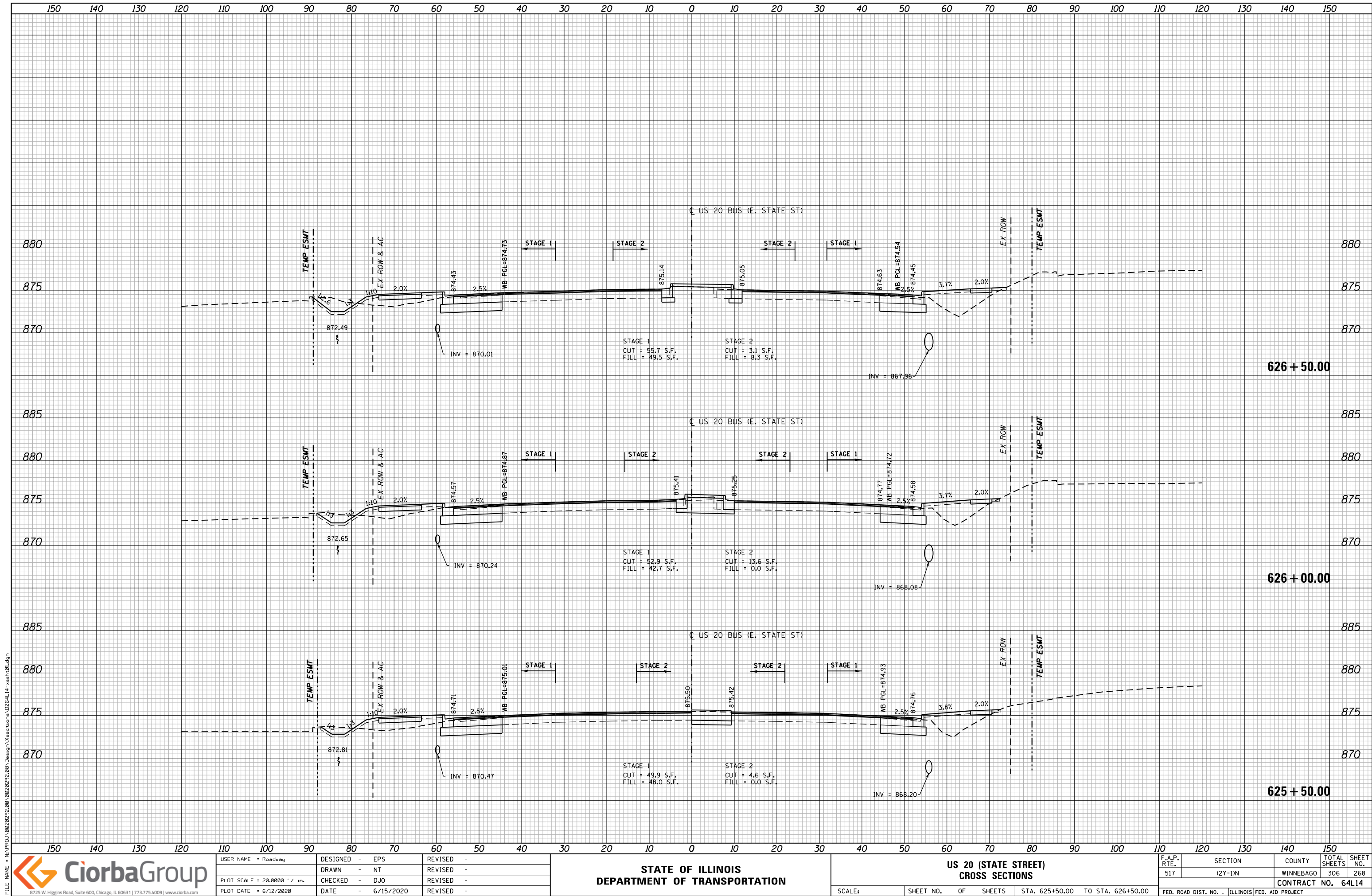
US 20 (STATE STREET)
CROSS SECTIONS

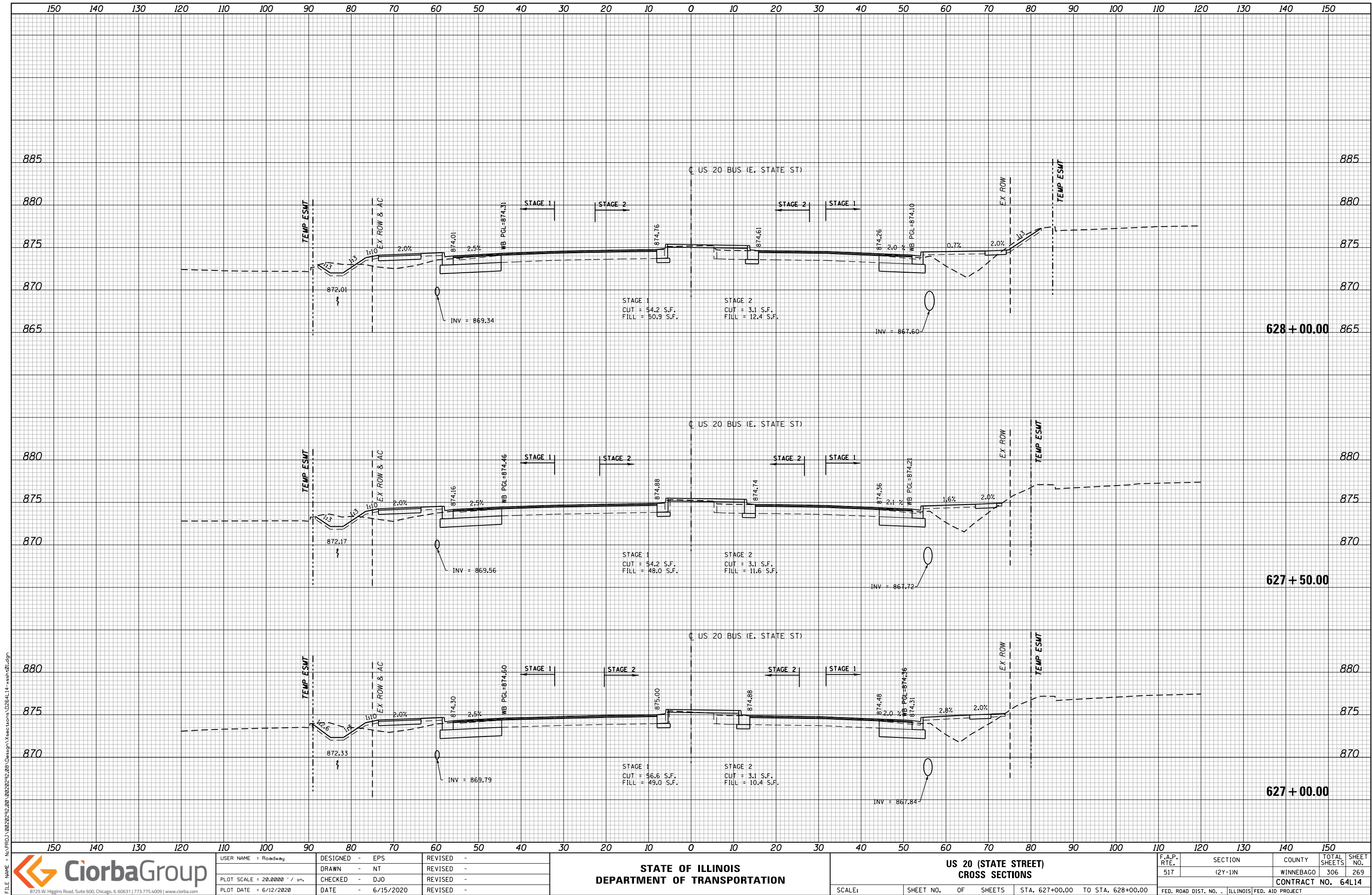
SCALE: SHEET NO. OF SHEETS STA. 621+00.00 TO STA. 622+00.00

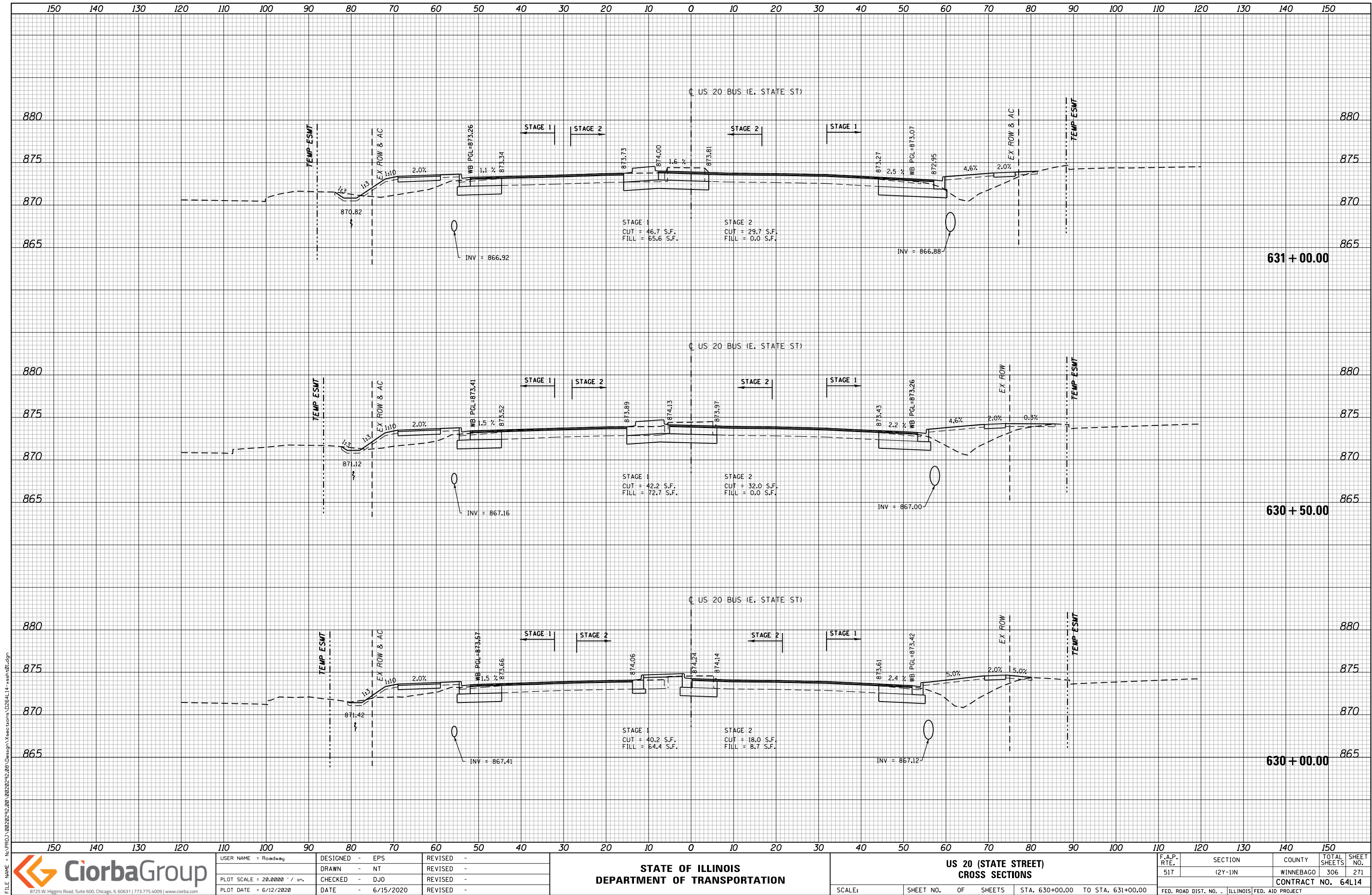
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	265
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

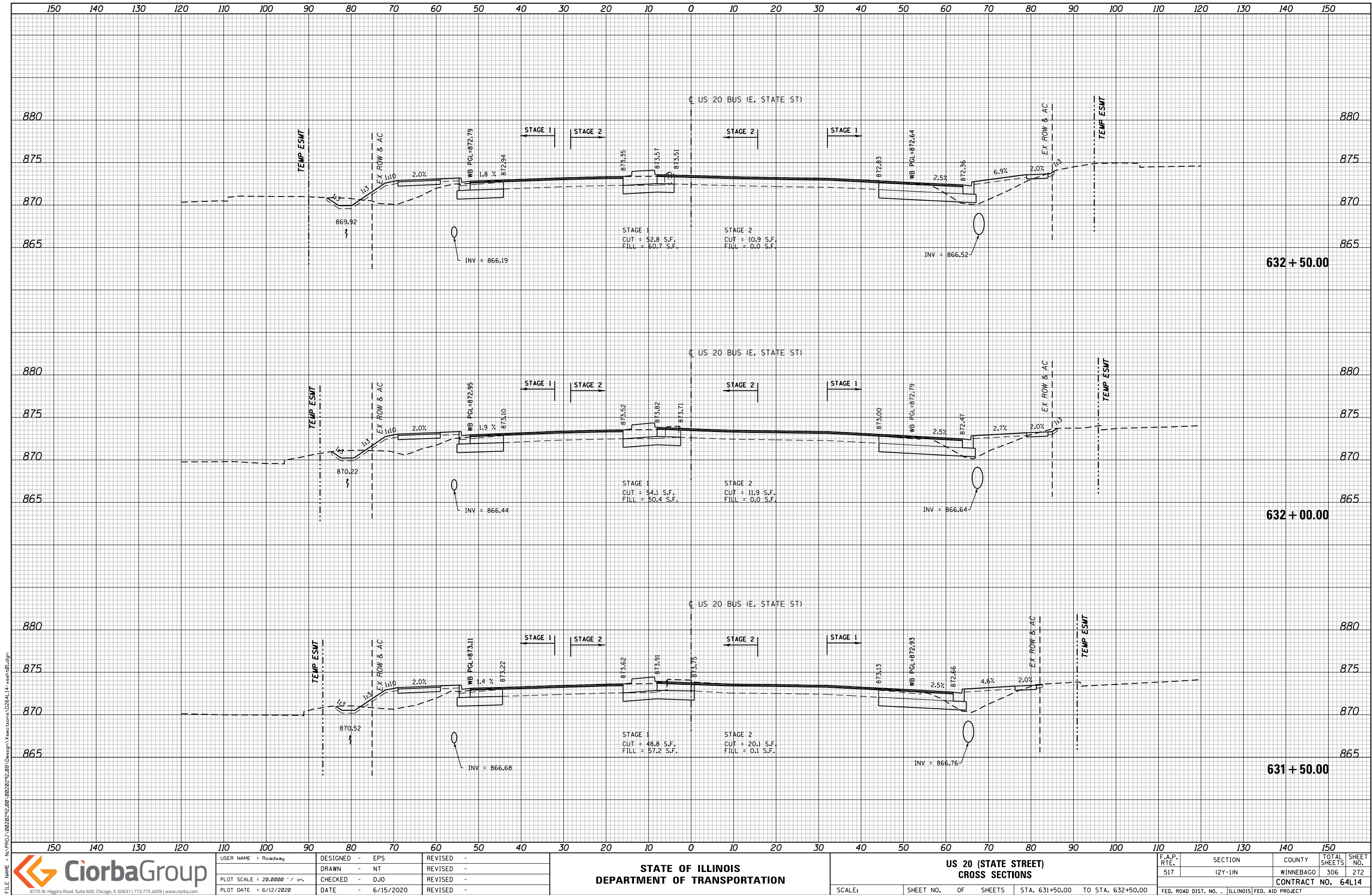


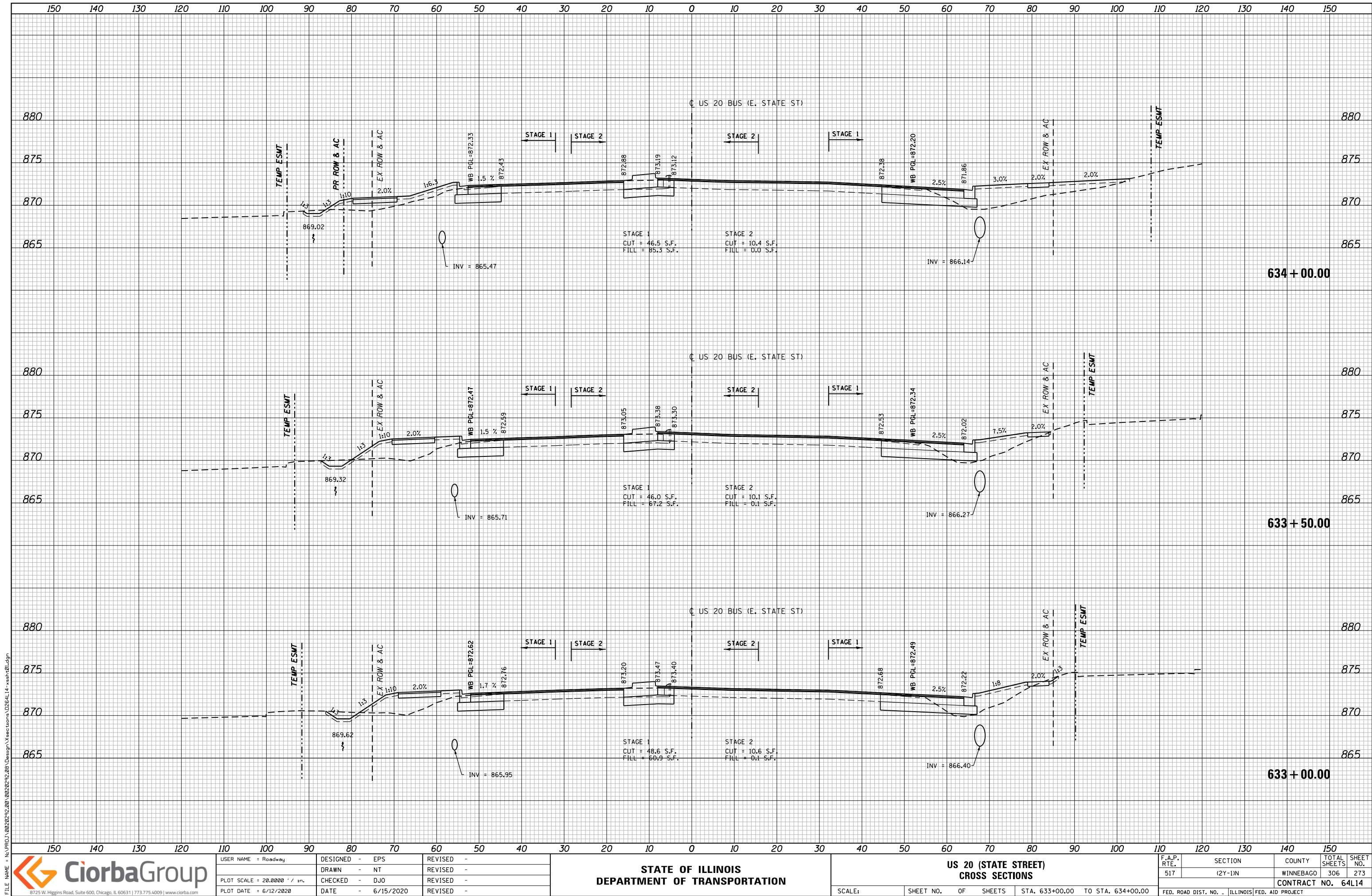












FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\026414-xxsh.dgn



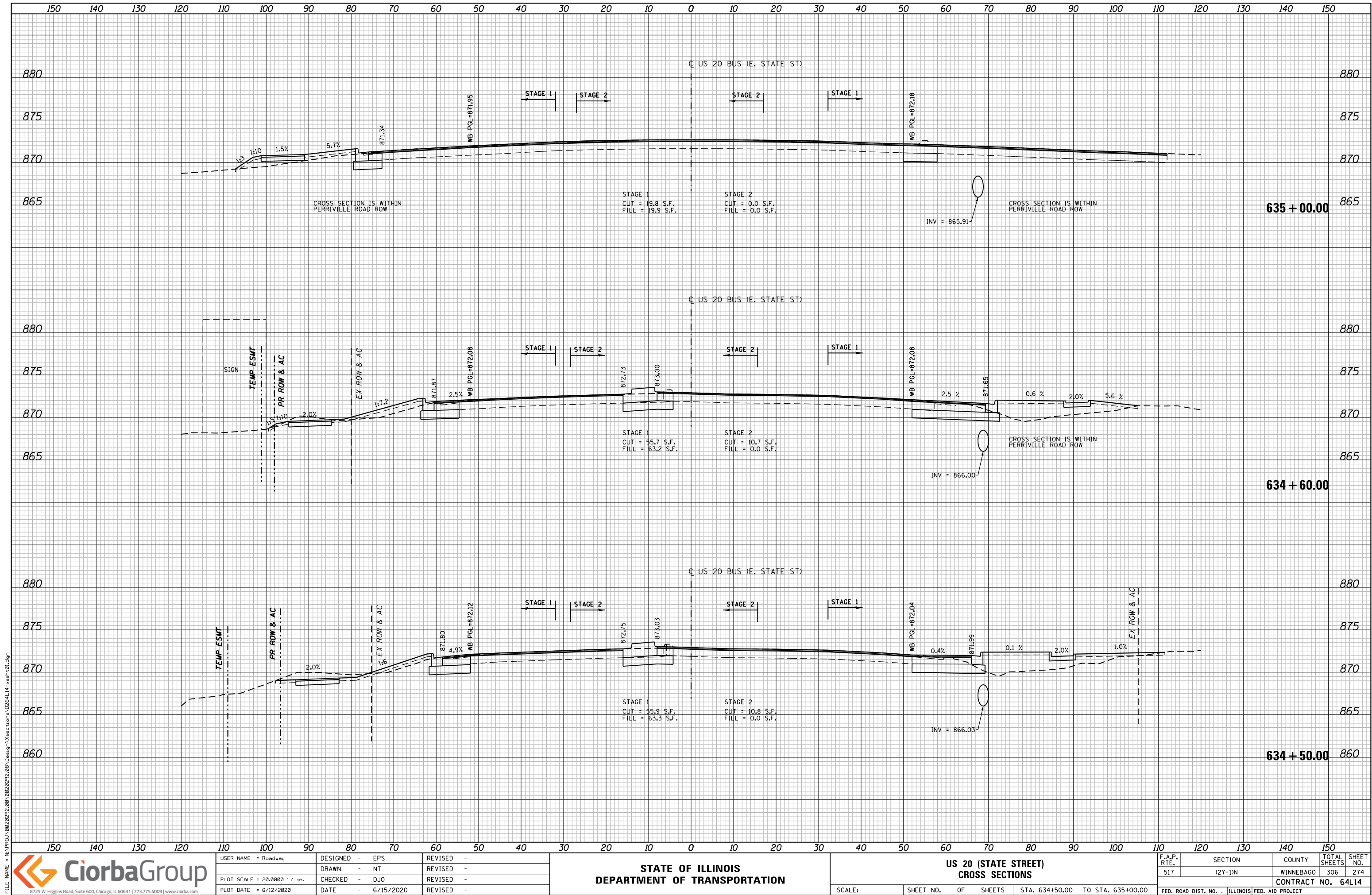
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PLOT SCALE = 28.0000' / in.	DRAWN - NT	REVISED -
PLOT DATE = 6/12/2020	CHECKED - DJO	REVISED -
	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET)
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 633+00.00 TO STA. 634+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	273
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\026414-xssh01.dgn



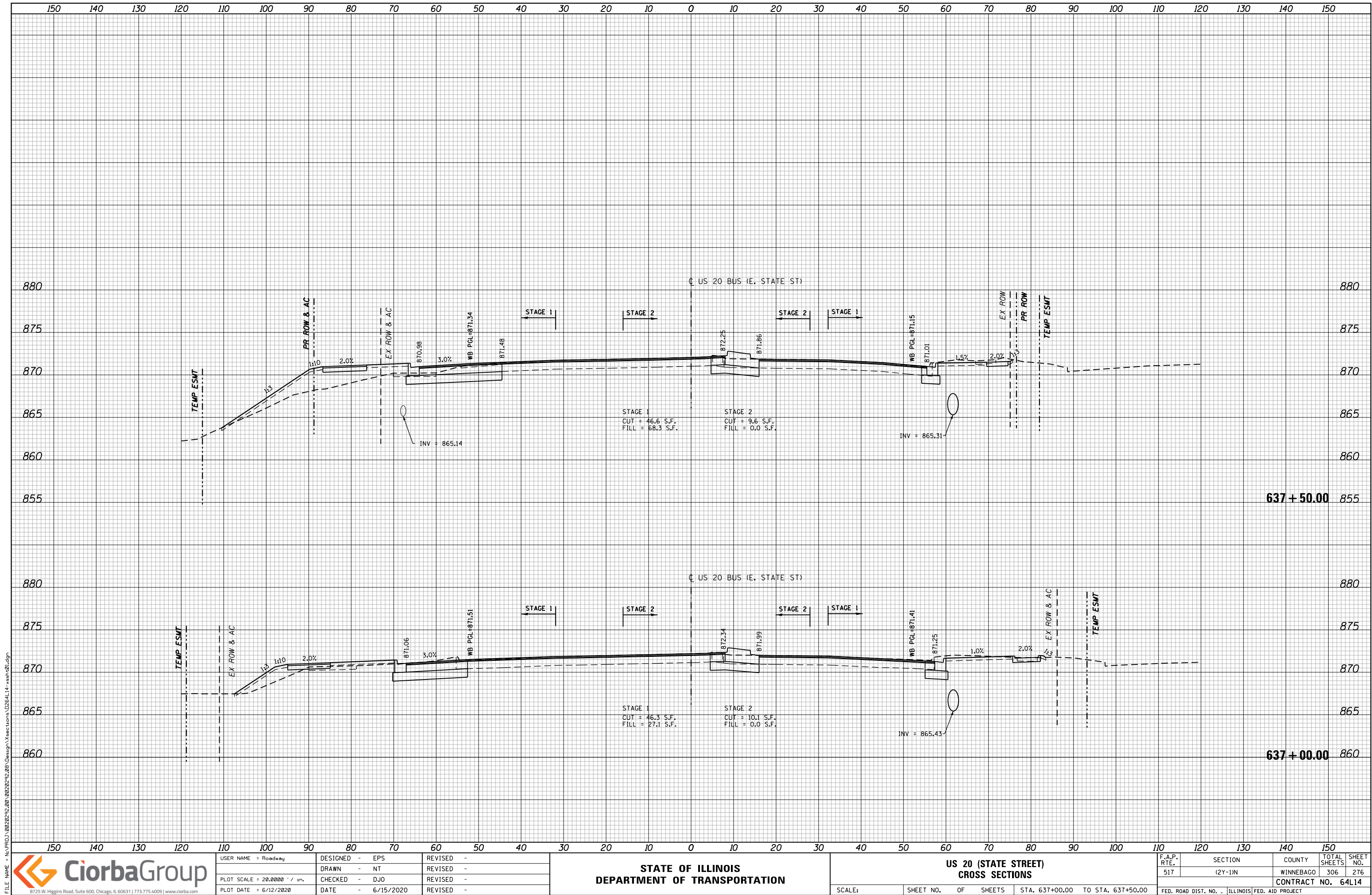
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 28.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

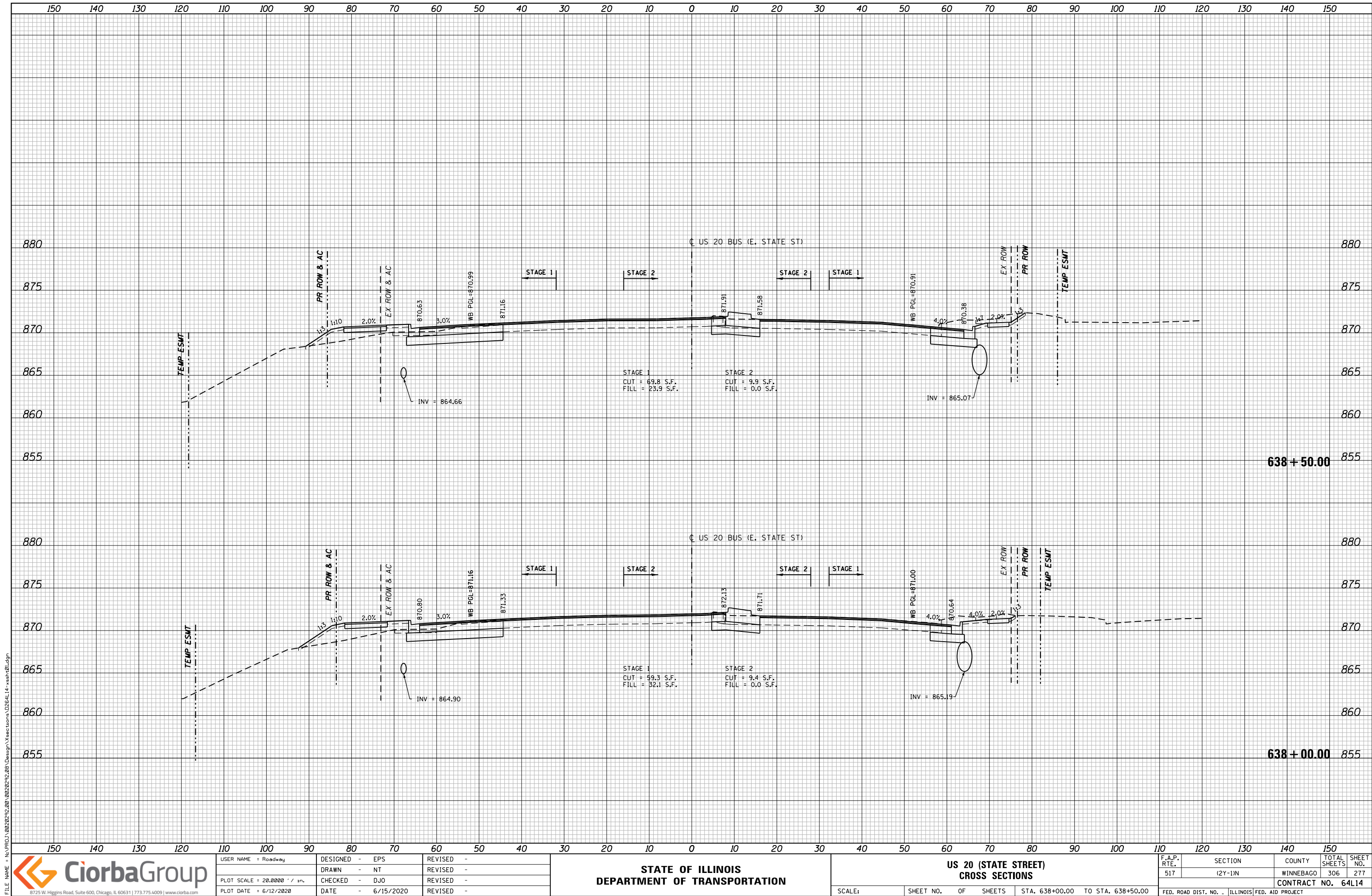
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET)
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 634+50.00 TO STA. 635+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	274
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				





FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\0264114-xsh.dgn



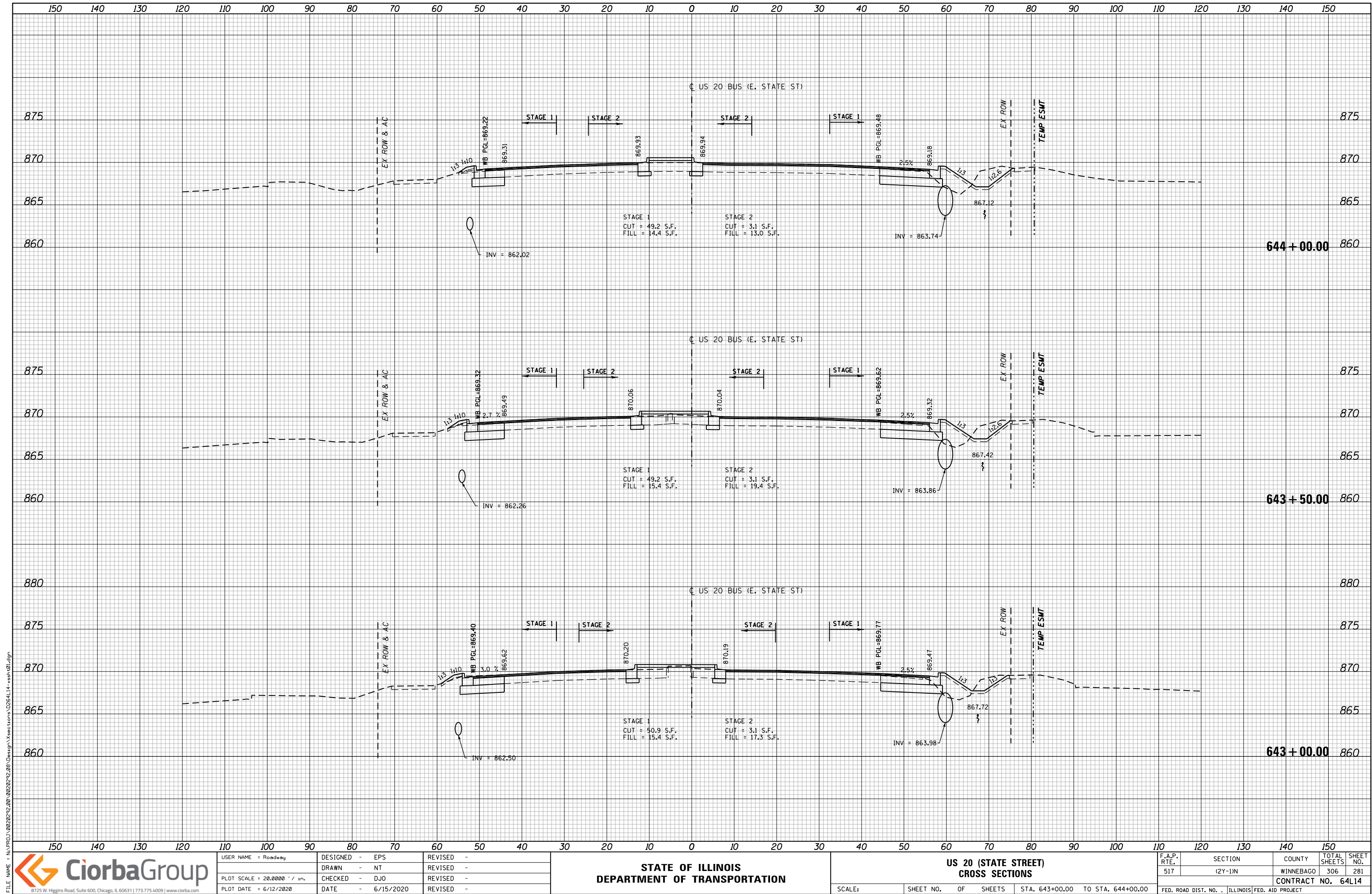
USER NAME = Roadway	DESIGNED - EPS	REVISED -
DRAWN - NT	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

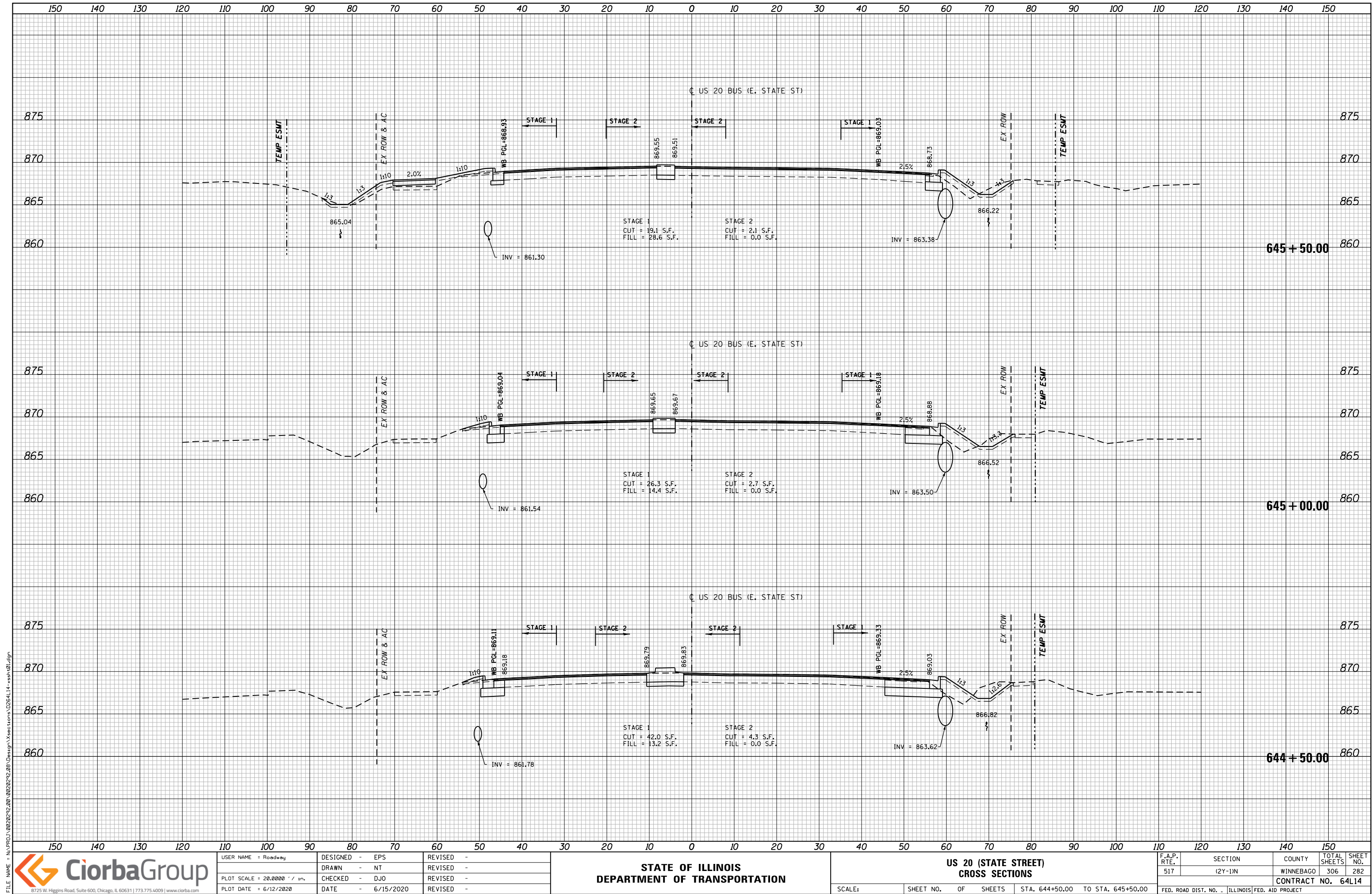
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

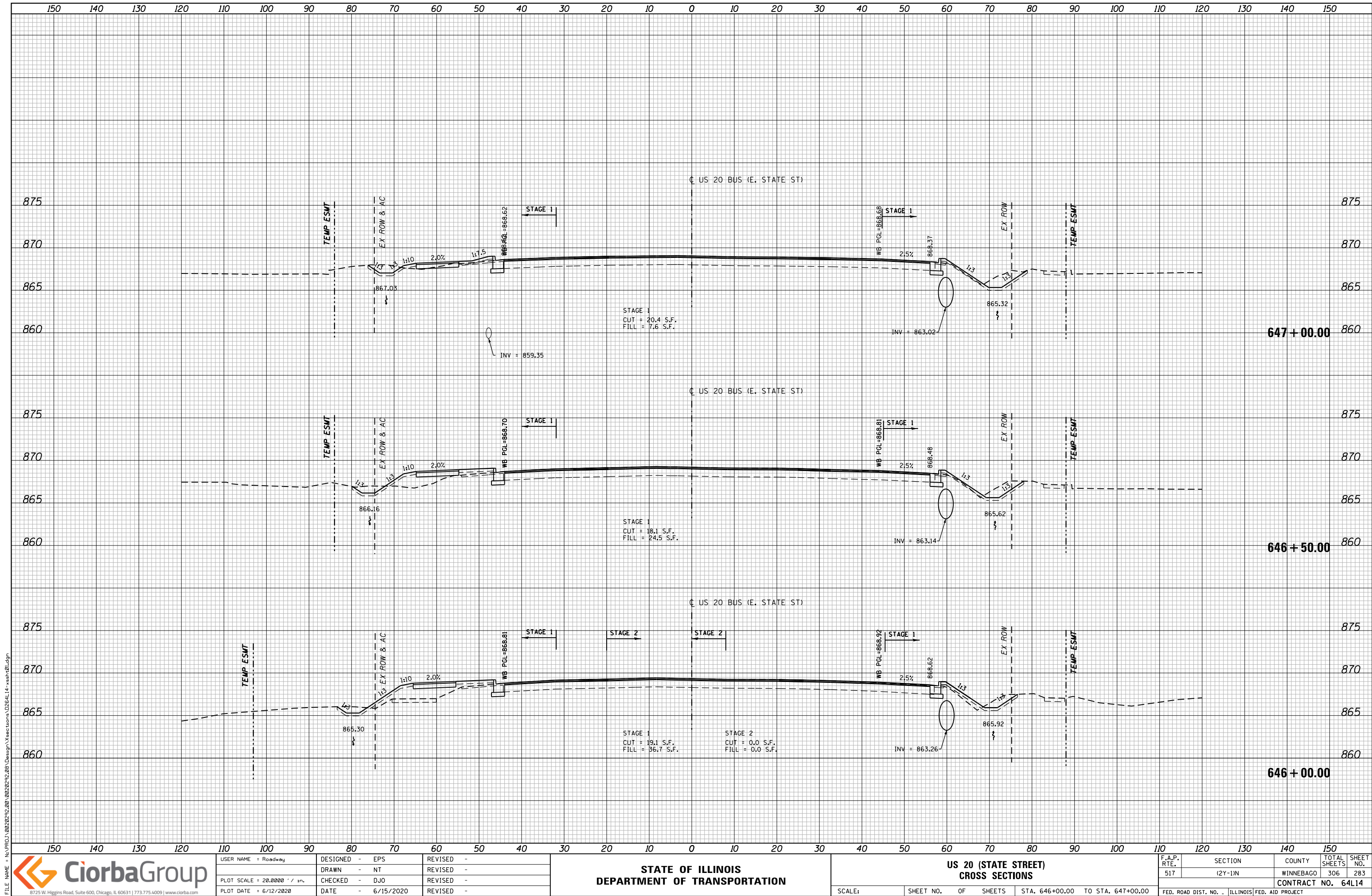
US 20 (STATE STREET)
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 638+00.00 TO STA. 638+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	277
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				







FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\0264L14-xssh.dgn



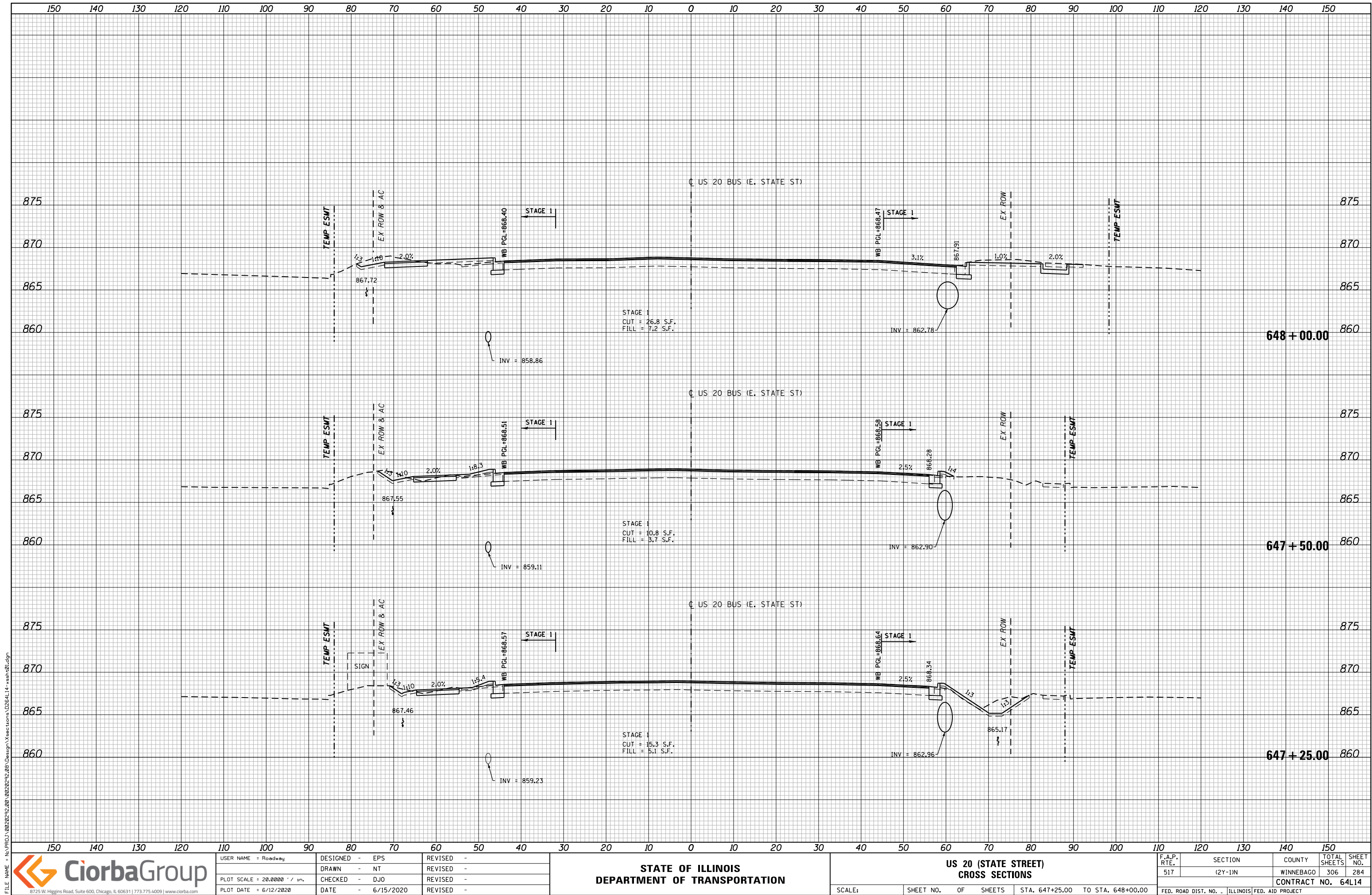
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 28.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

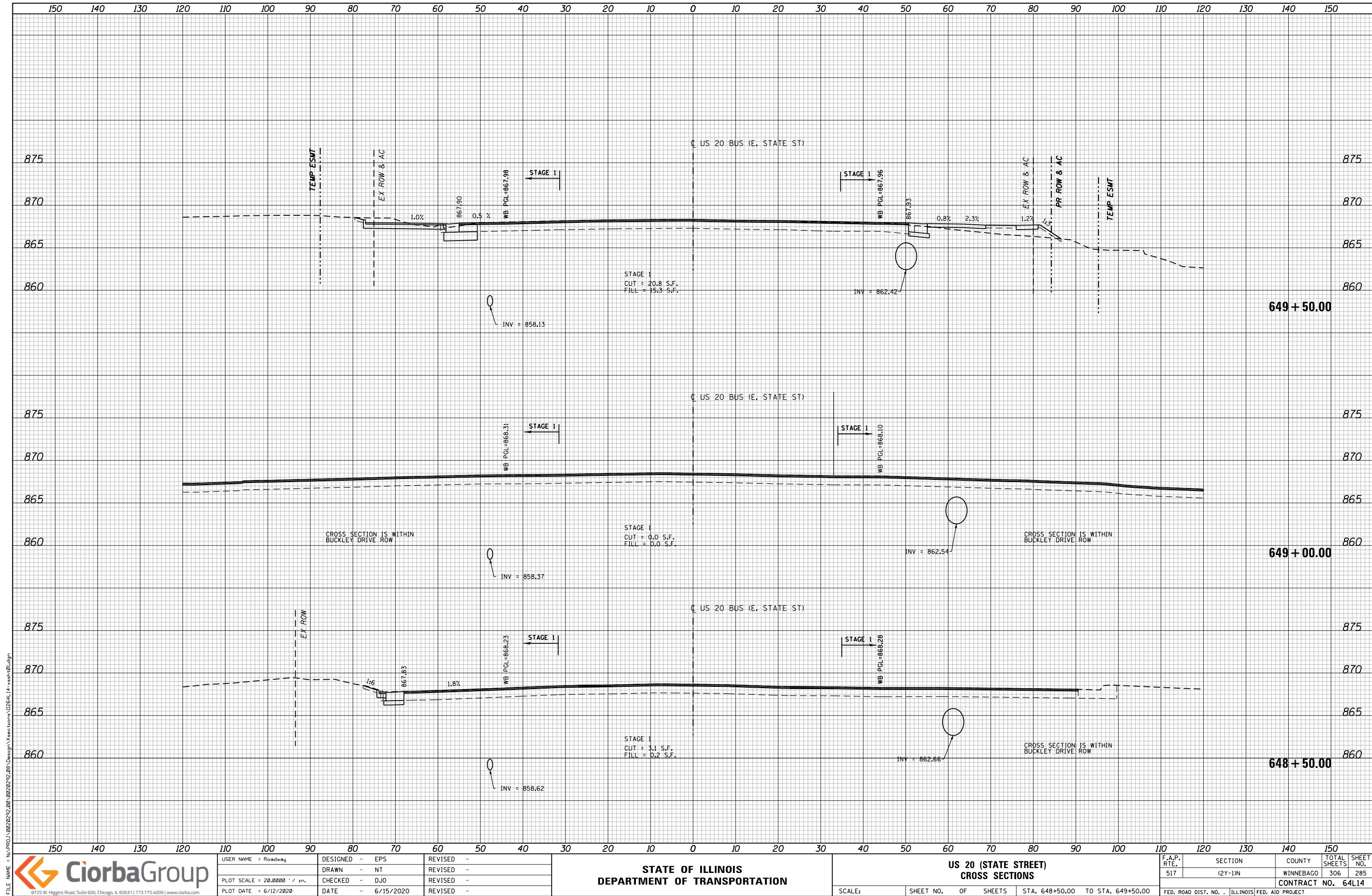
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

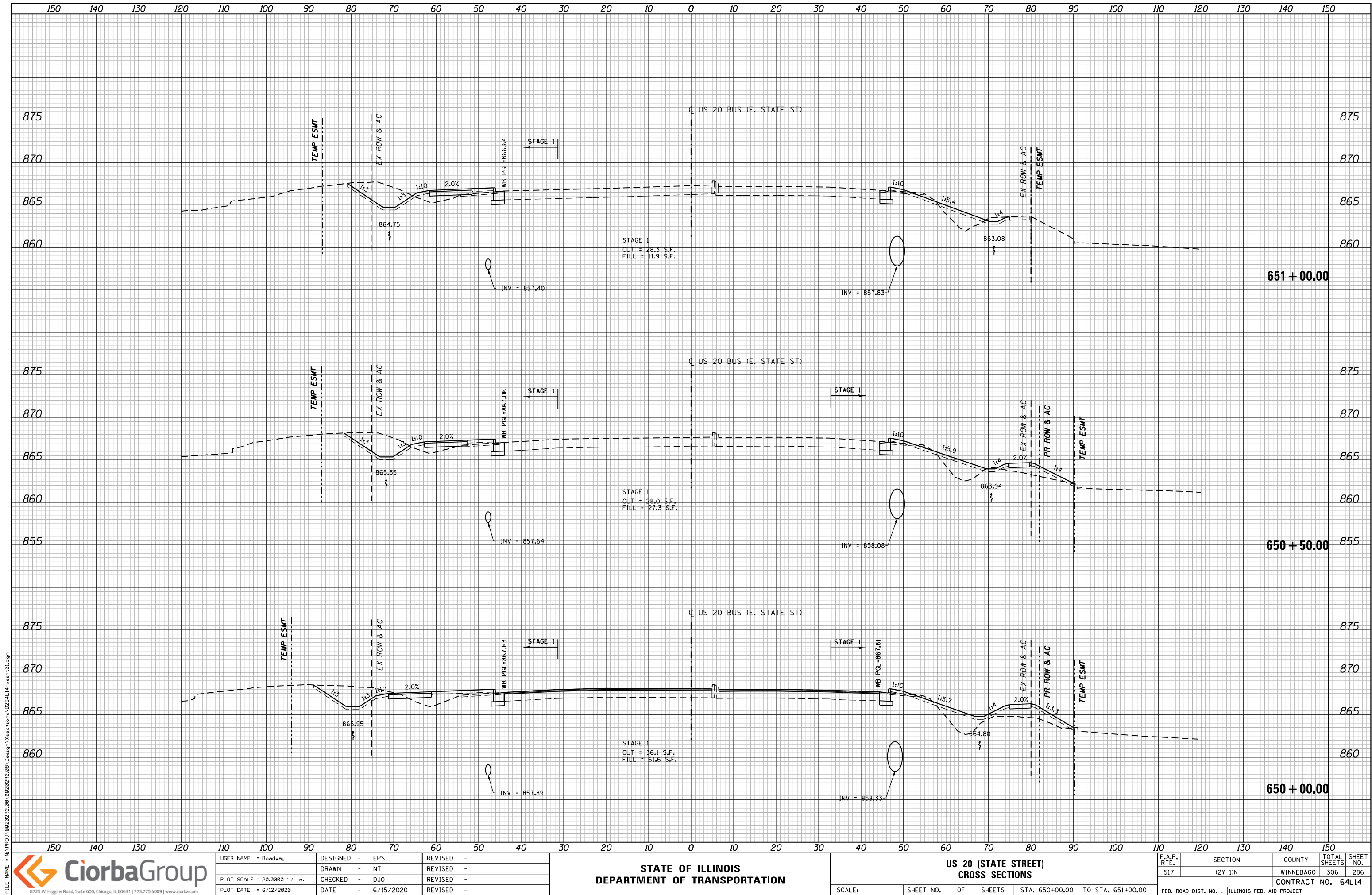
US 20 (STATE STREET)
CROSS SECTIONS

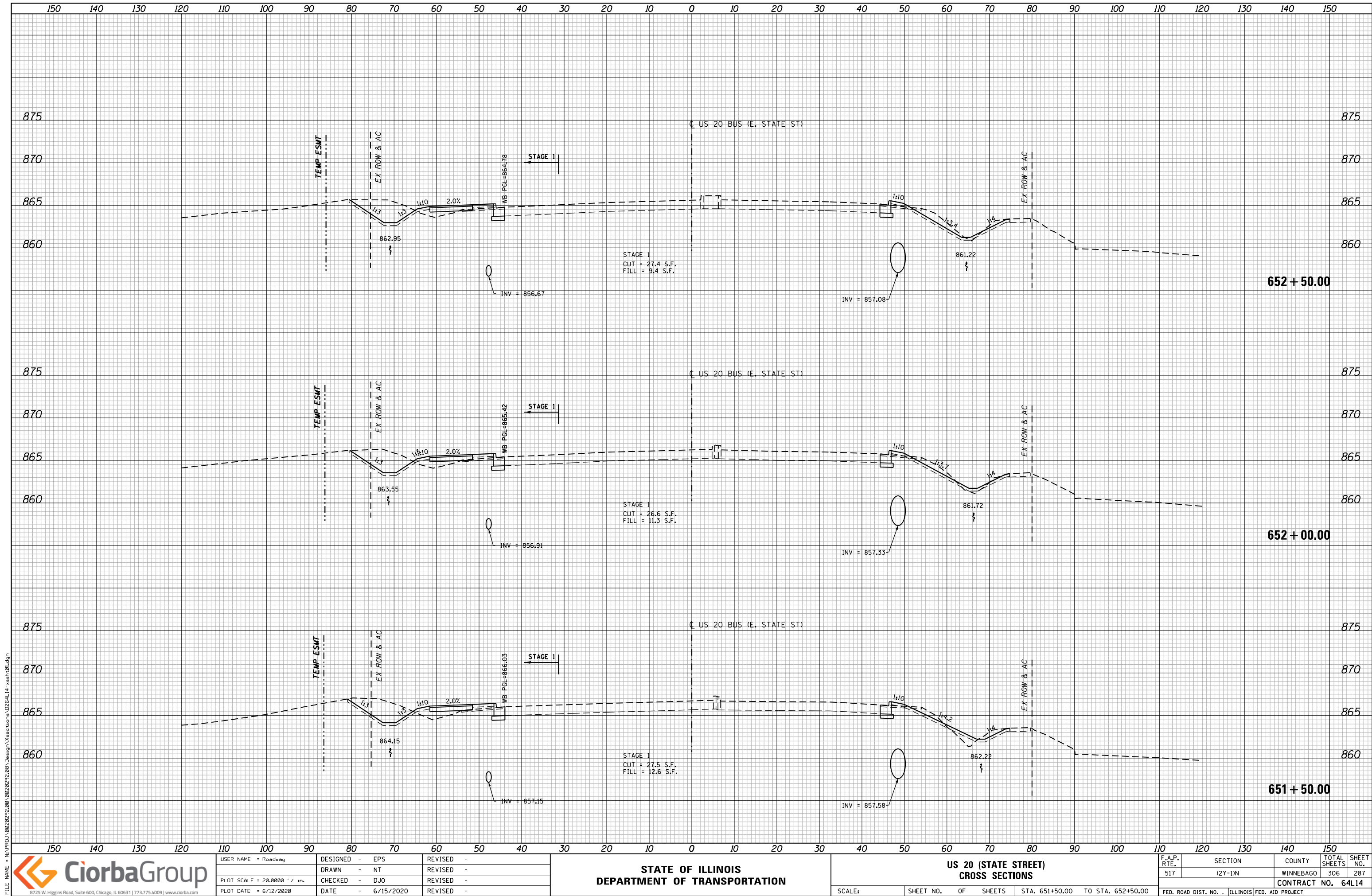
SCALE: SHEET NO. OF SHEETS STA. 646+00.00 TO STA. 647+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	283
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				









FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\0264L14-xsh.dgn



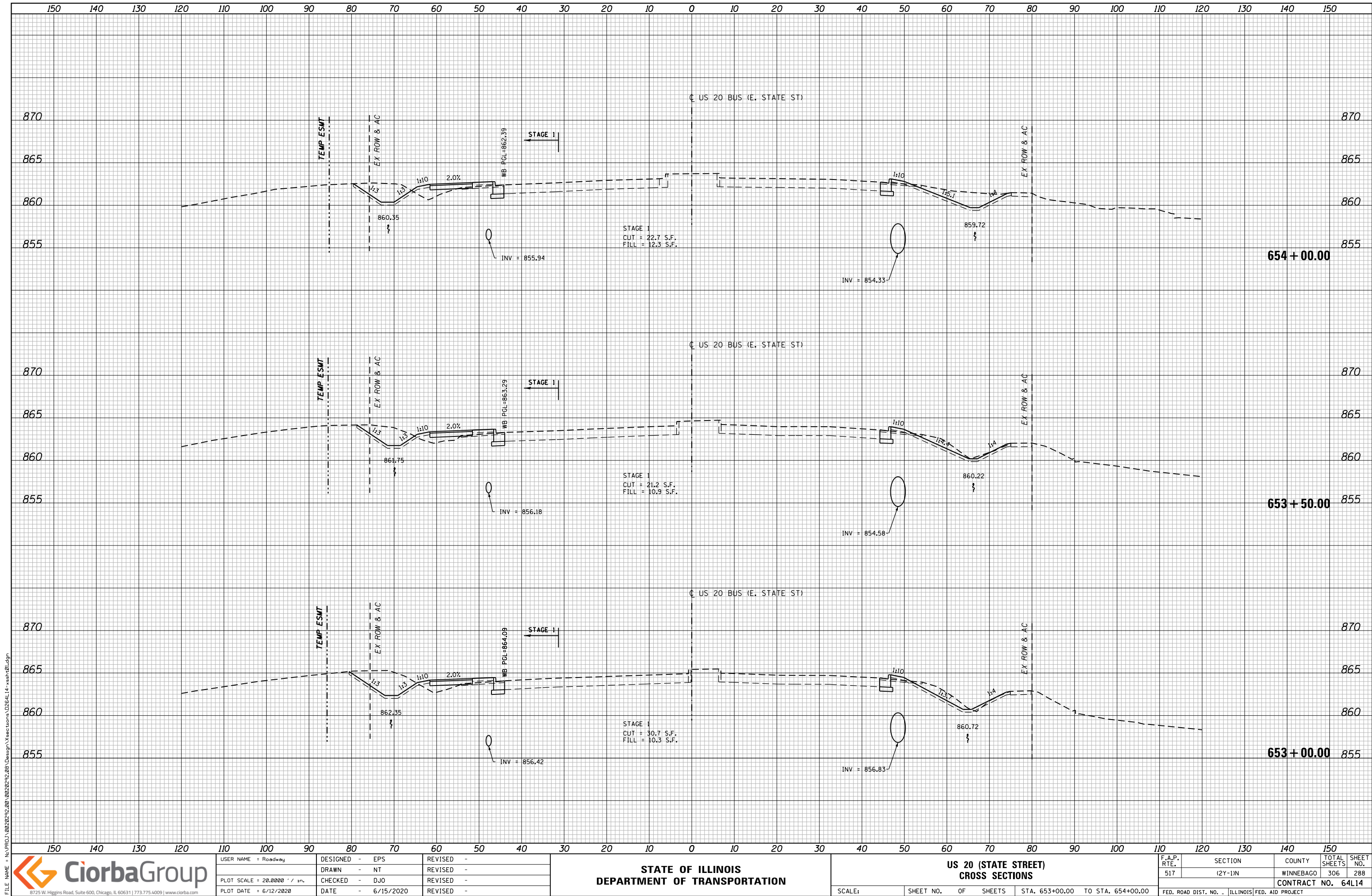
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

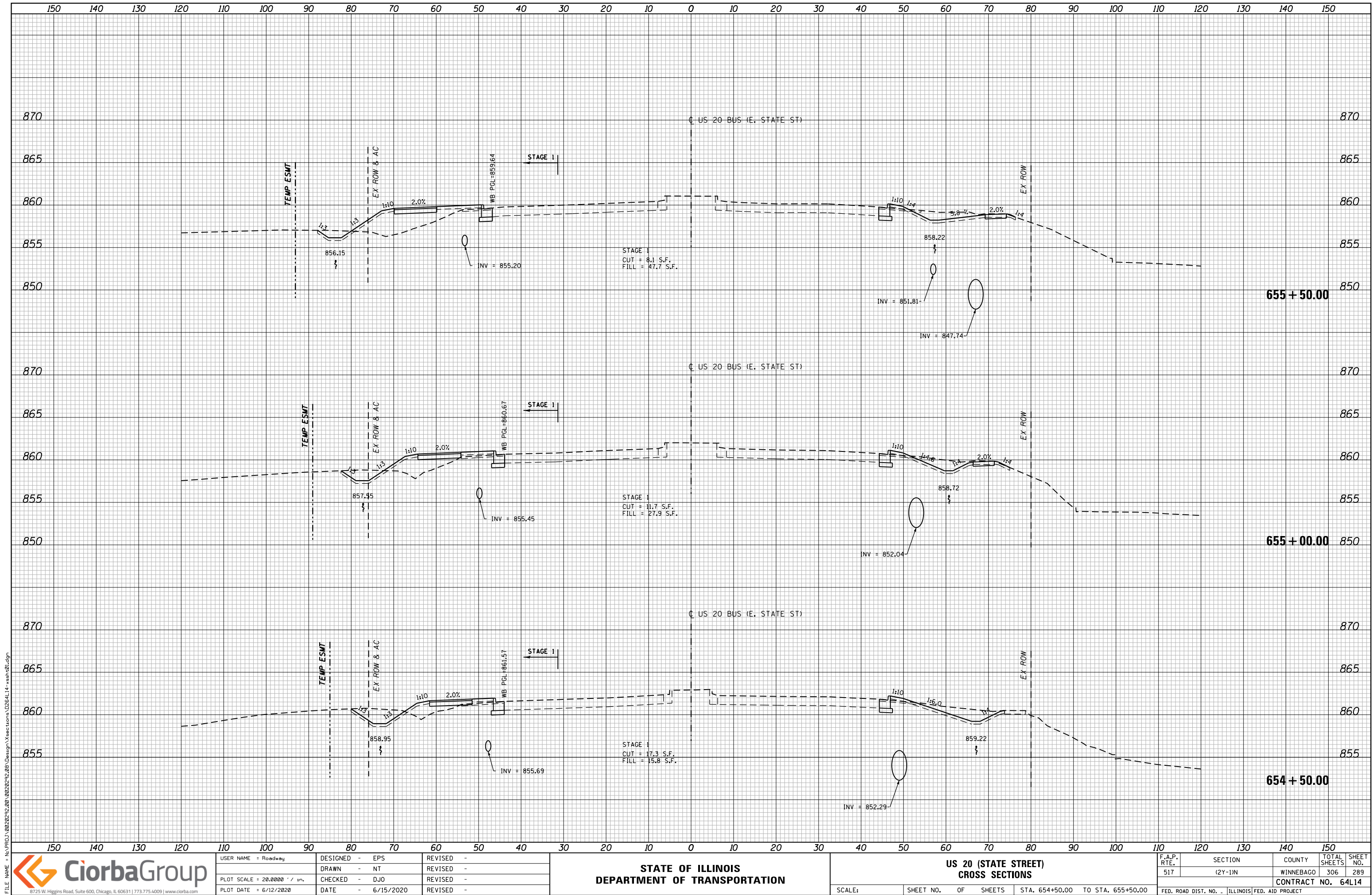
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

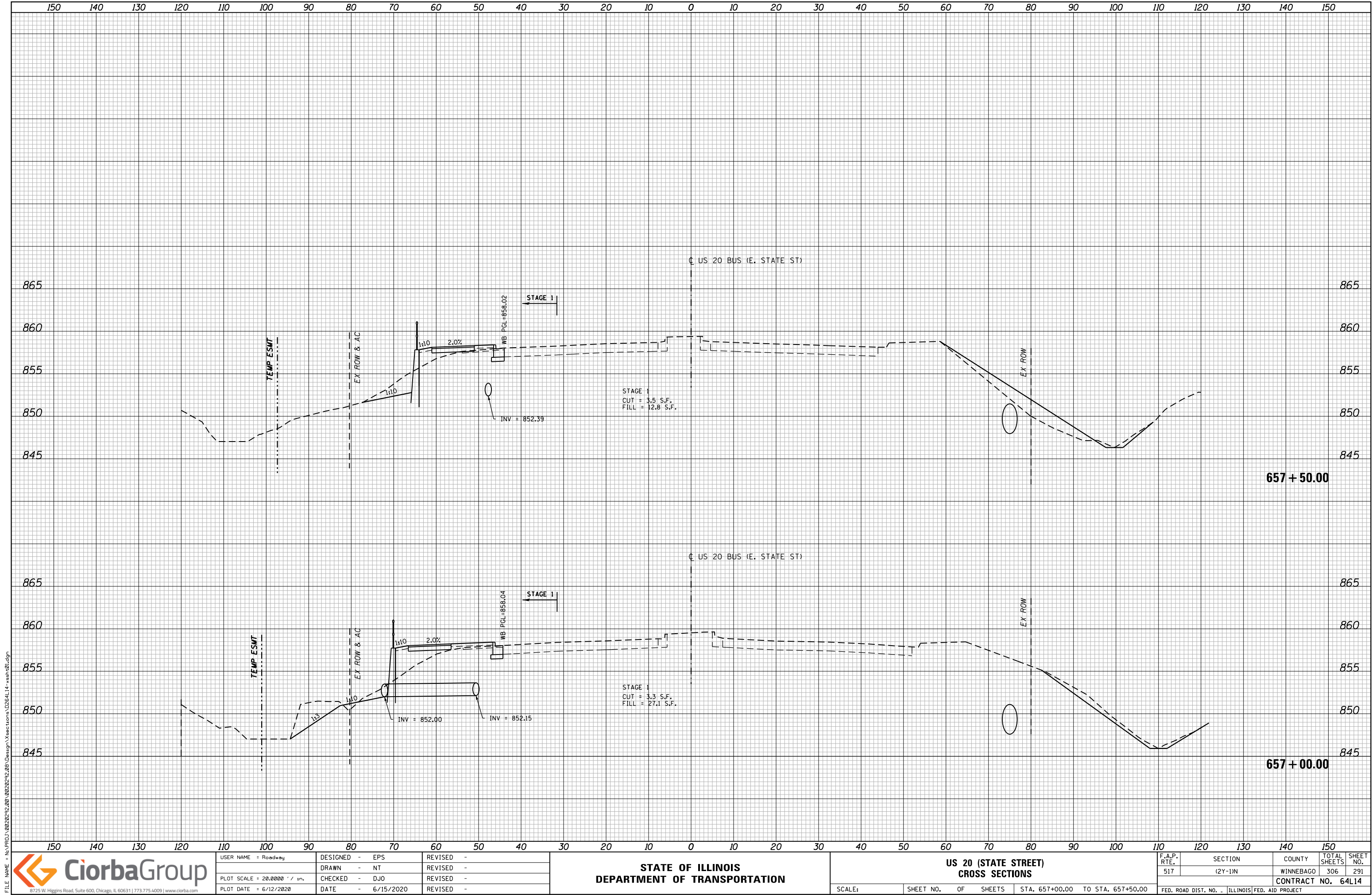
US 20 (STATE STREET)
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 651+50.00 TO STA. 652+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	287
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				







FILE NAME = N:\PROJ\0020252.00\0020252.00\Design\Sections\0264L14-xsh.dgn

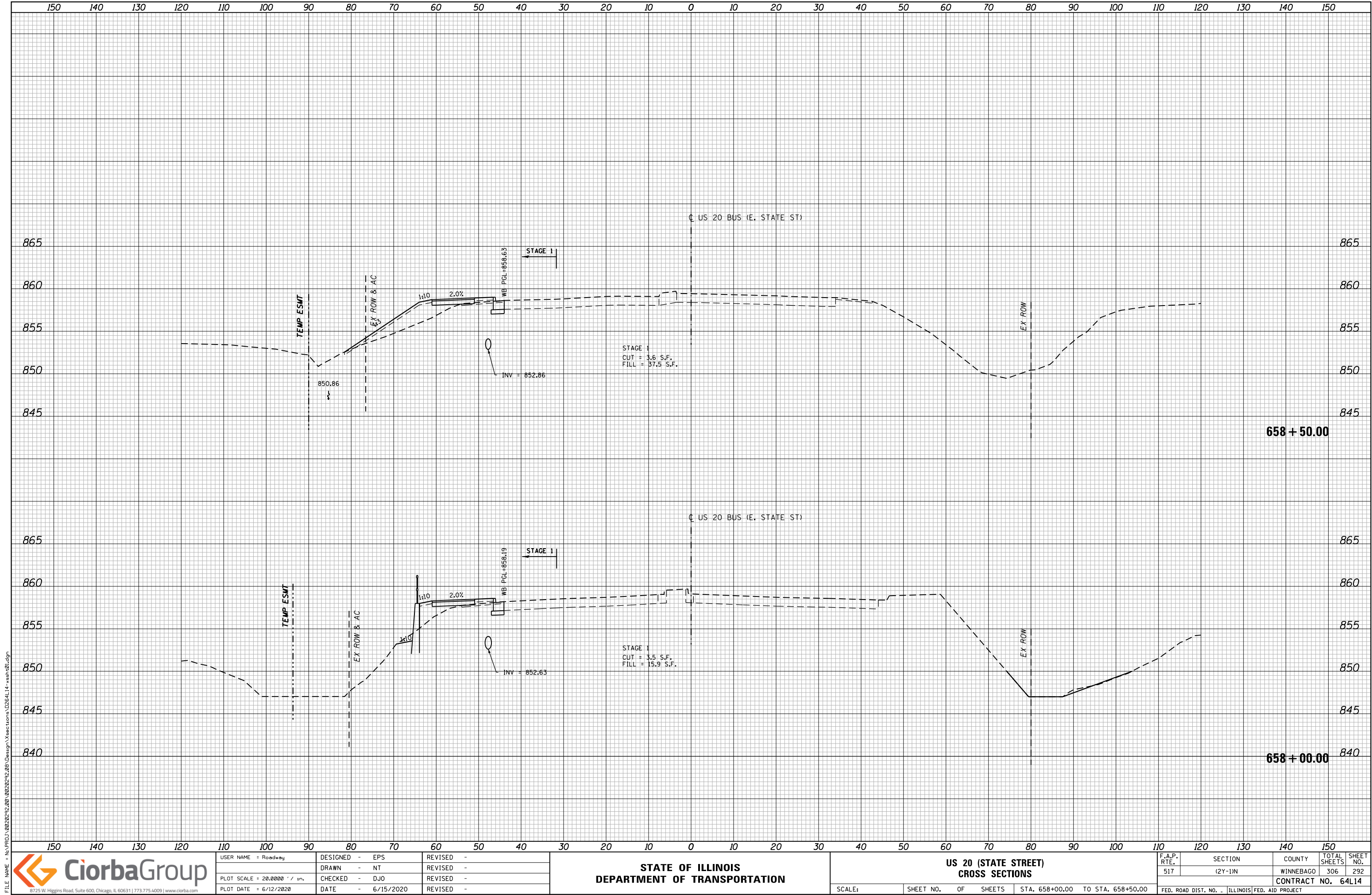


USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 28.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET) CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 657+00.00 TO STA. 657+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	291
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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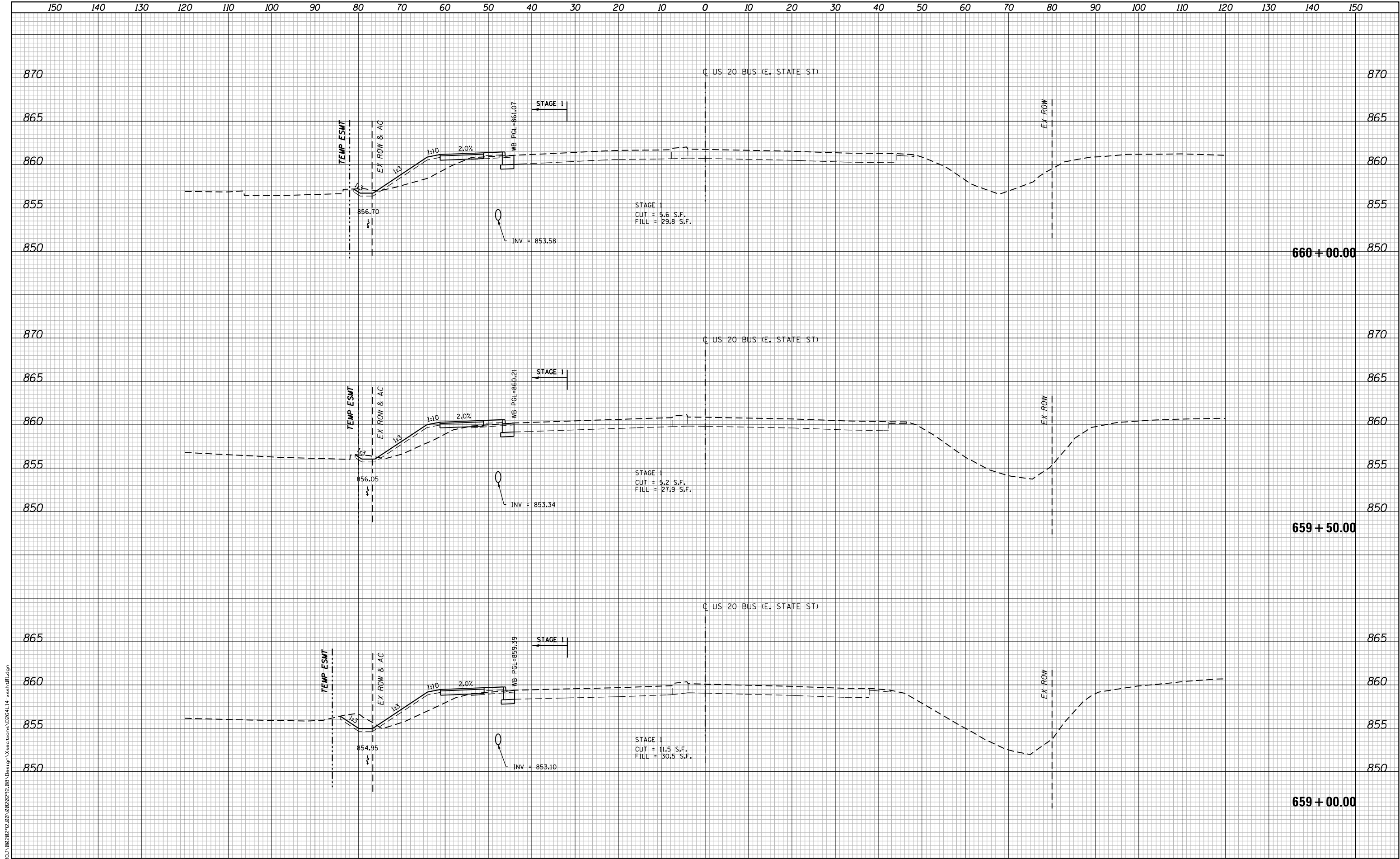


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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET) CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 658+00.00 TO STA. 658+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	292
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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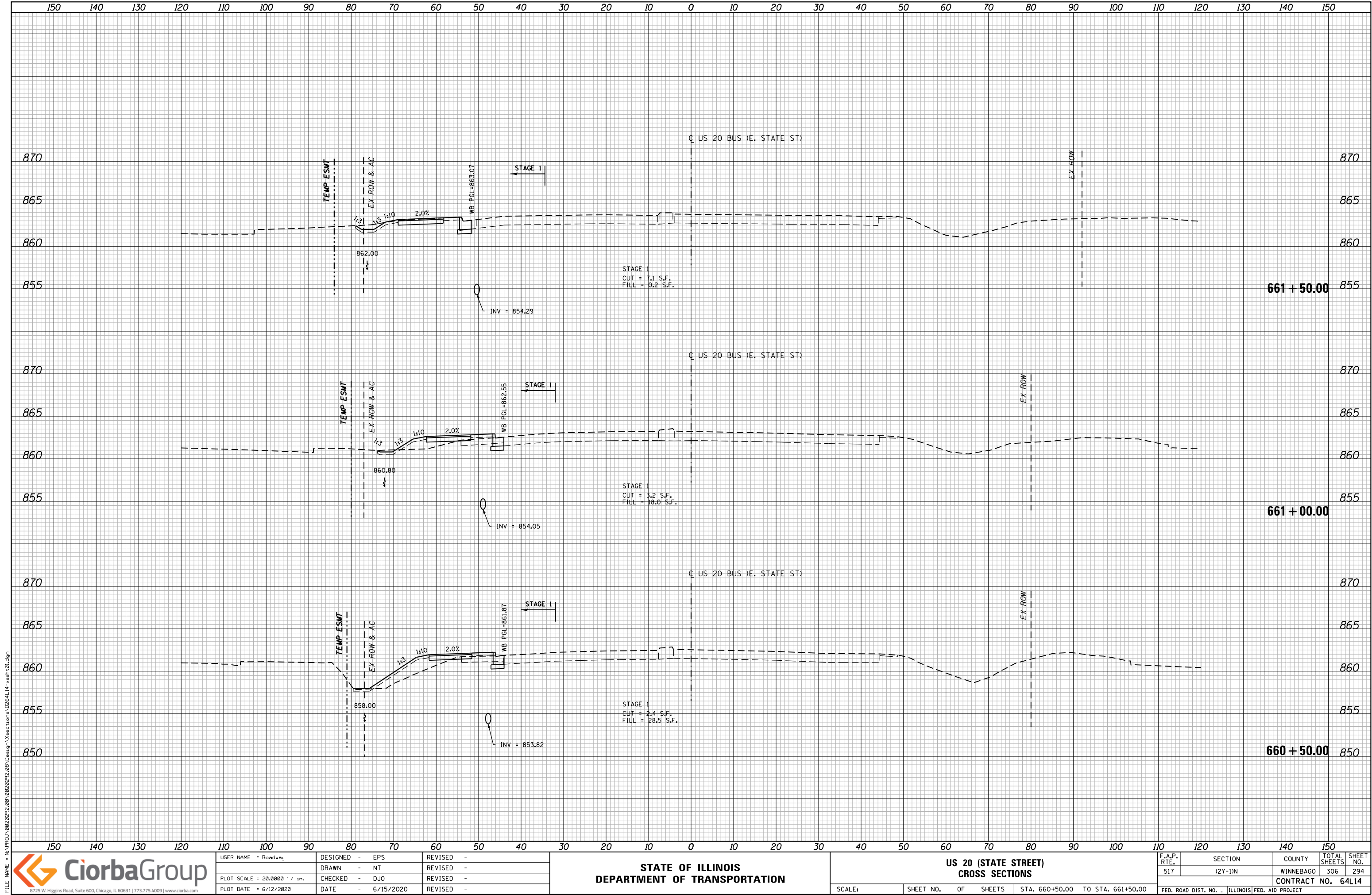


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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET) CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 659+00.00 TO STA. 660+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	293
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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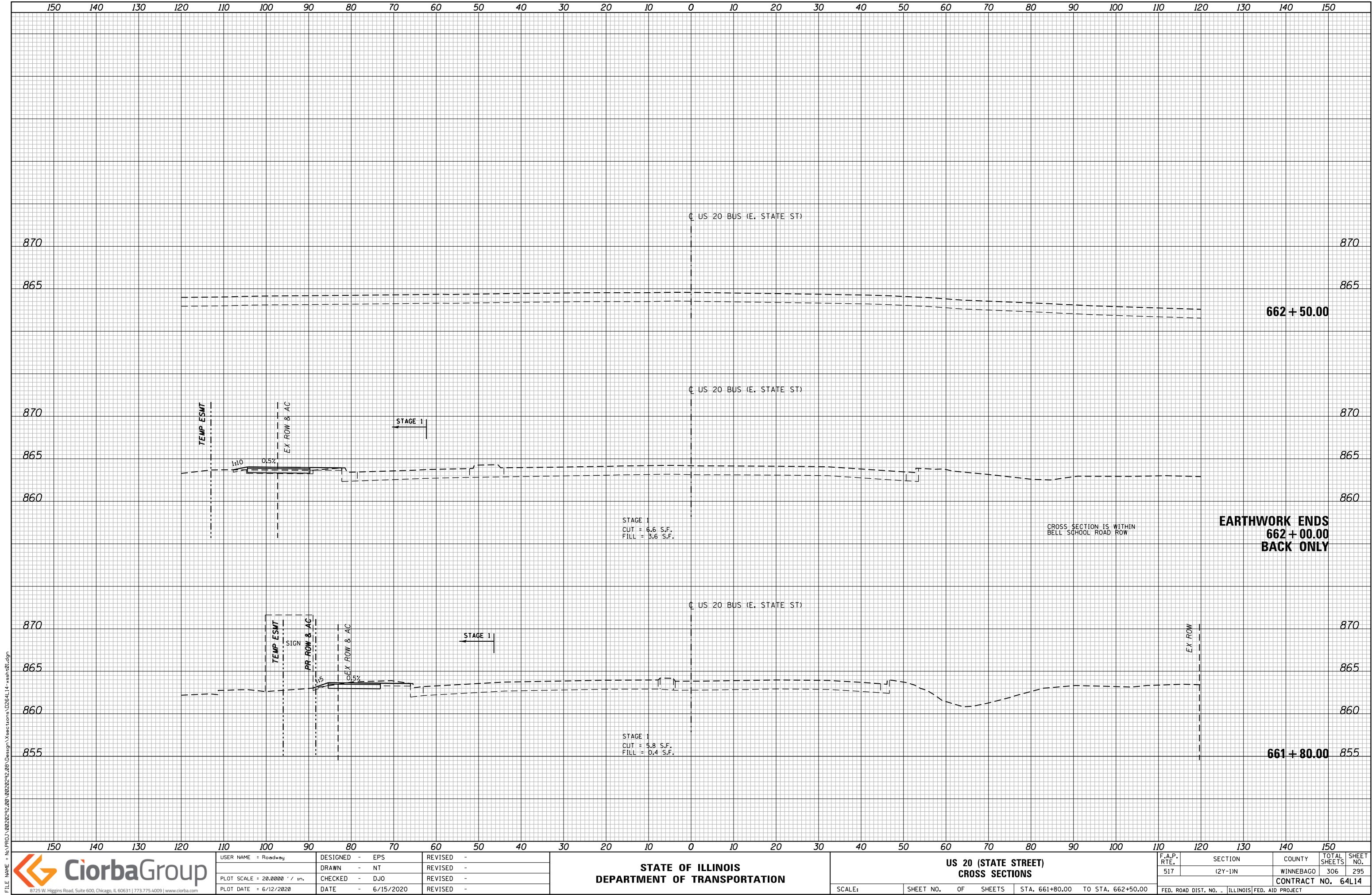


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	DRAWN - NT	REVISED -
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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET) CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 660+50.00 TO STA. 661+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	294
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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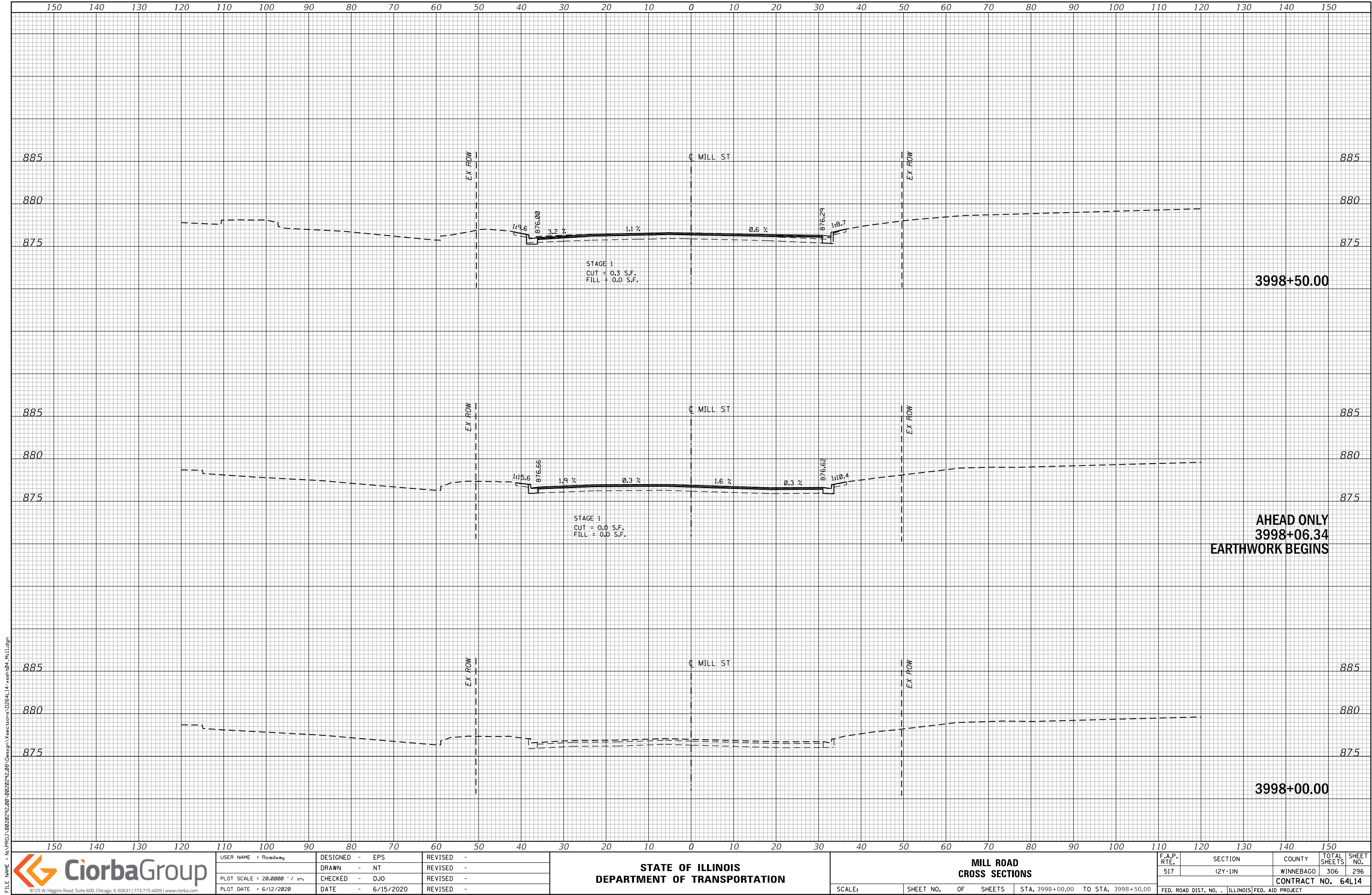
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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 (STATE STREET)
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 661+80.00	TO STA. 662+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	295
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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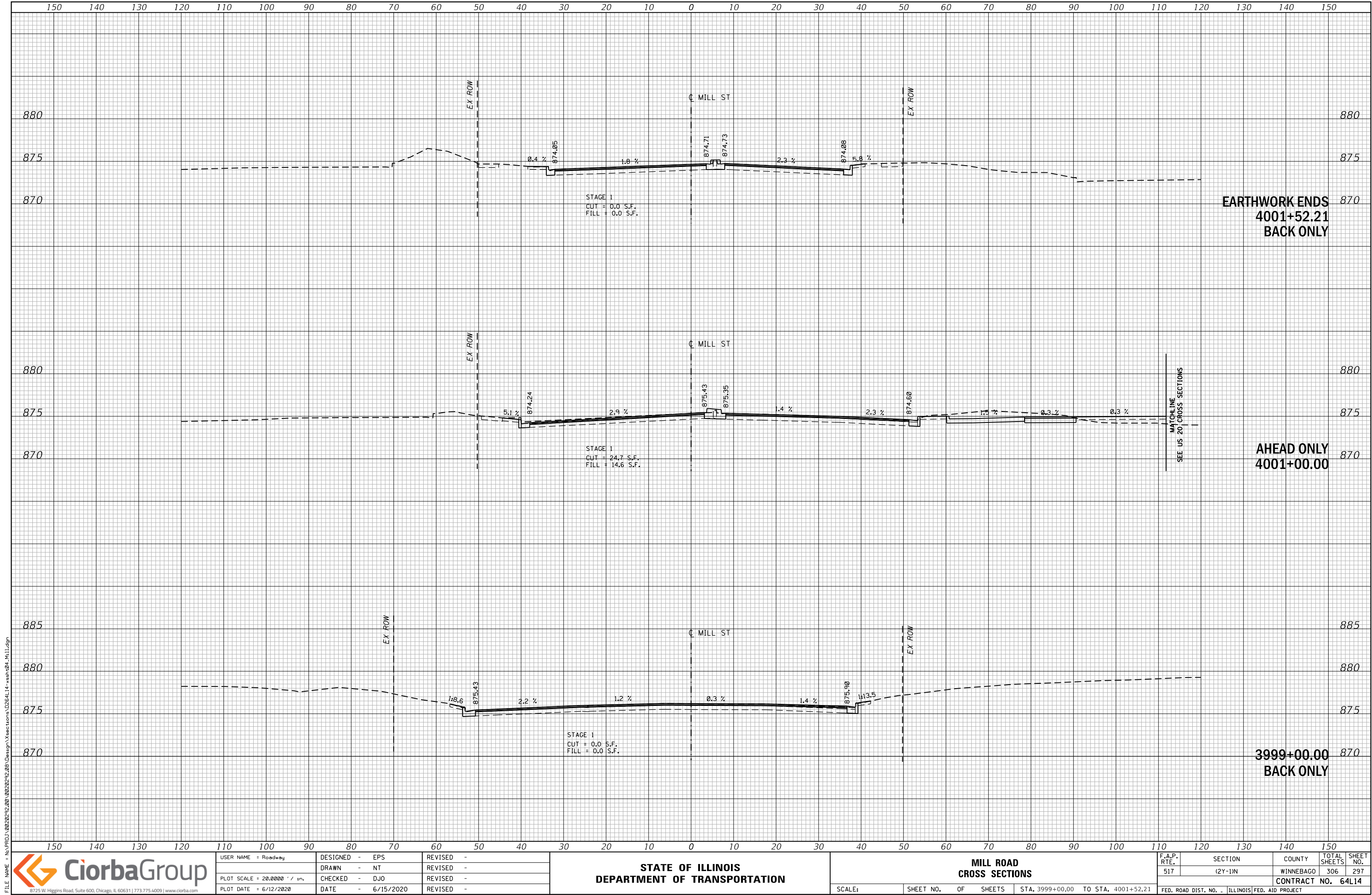
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PLOT DATE = 6/12/2020	CHECKED - DJO	REVISED -
DATE = 6/15/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MILL ROAD
CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA. 3998+00.00	TO STA. 3998+50.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	296
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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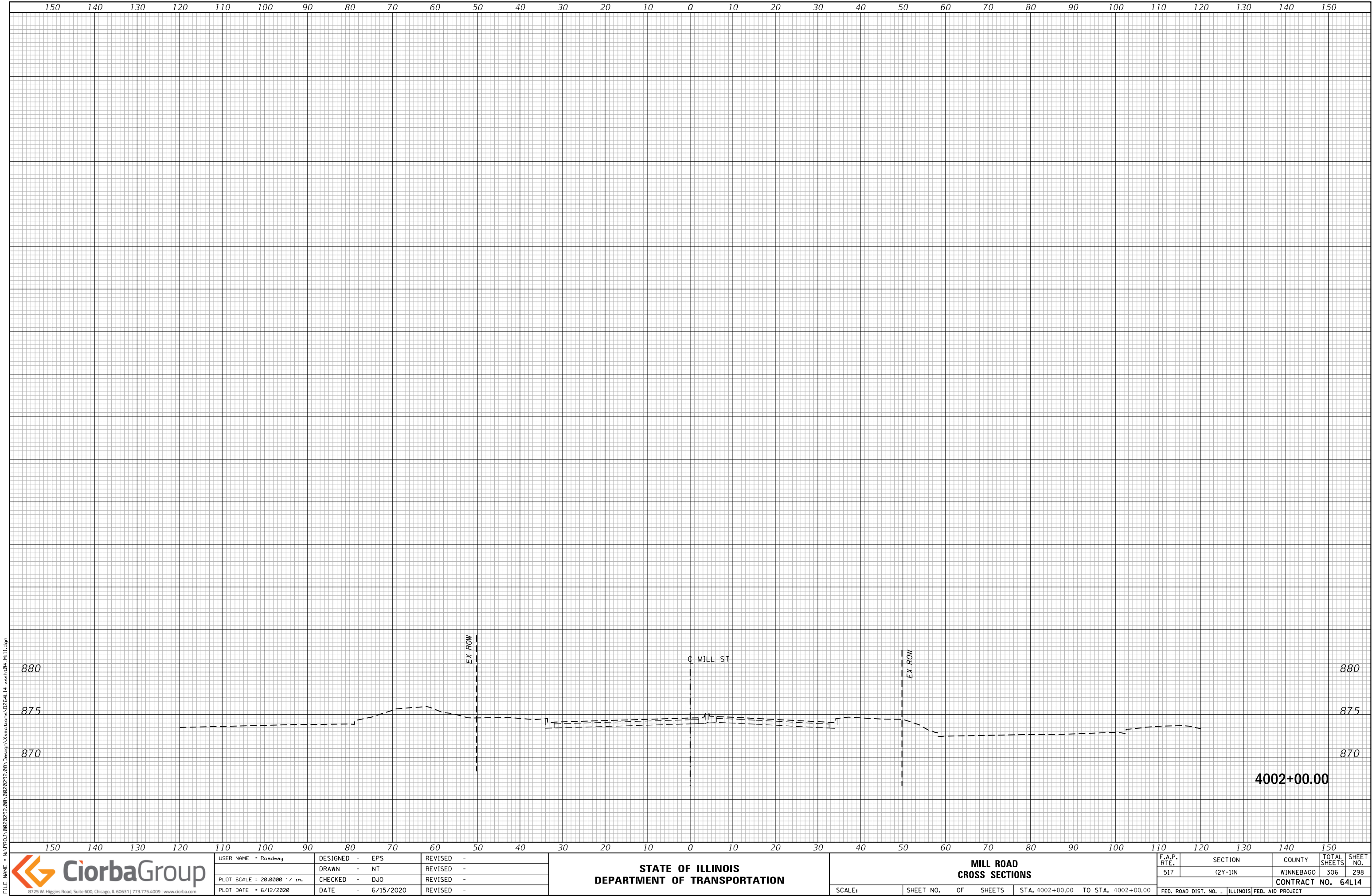
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PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MILL ROAD
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 3999+00.00 TO STA. 4001+52.21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	297
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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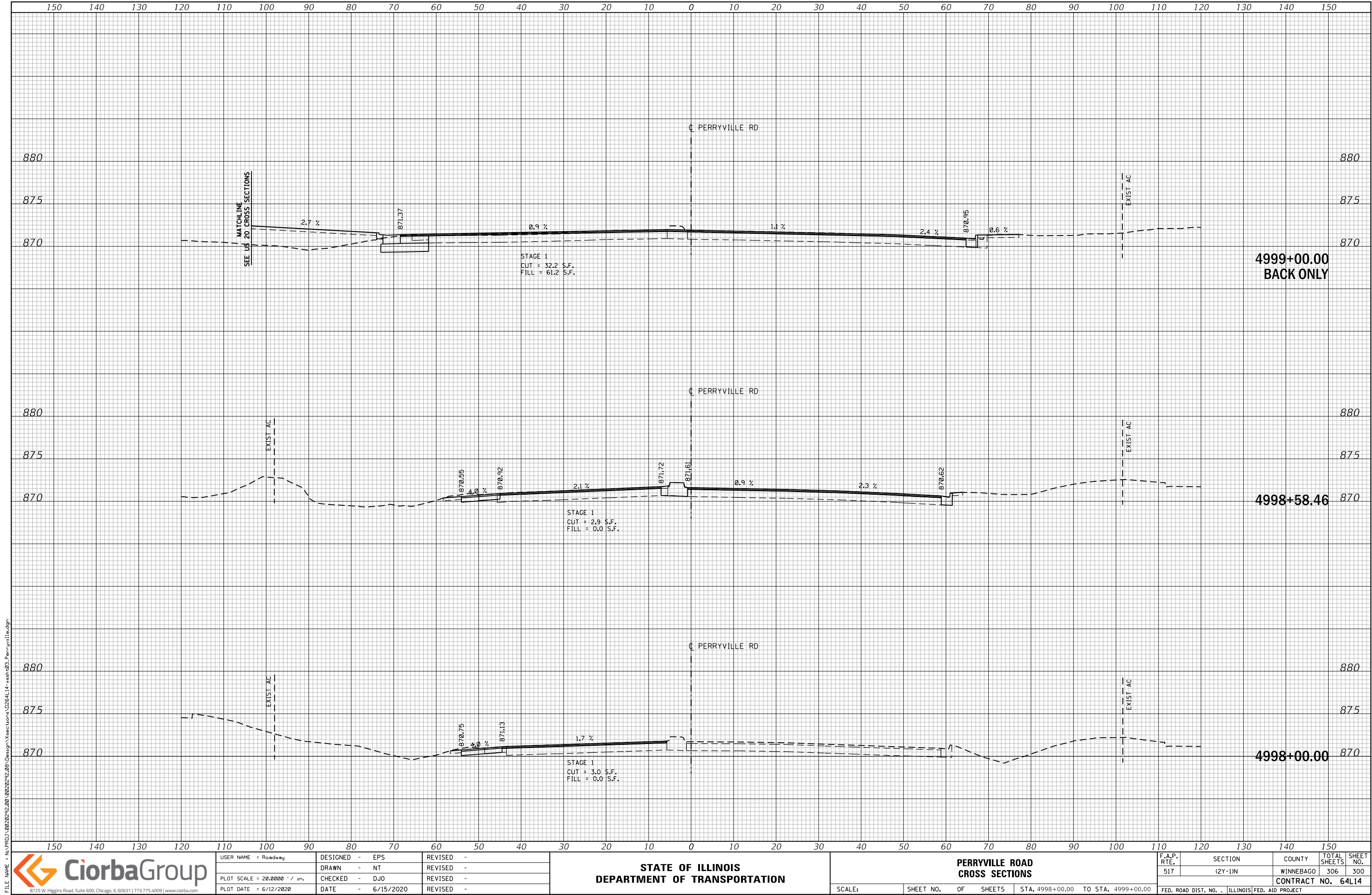


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	DRAWN - NT	REVIS -
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVIS -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVIS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MILL ROAD
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	298
CONTRACT NO. 64L14				



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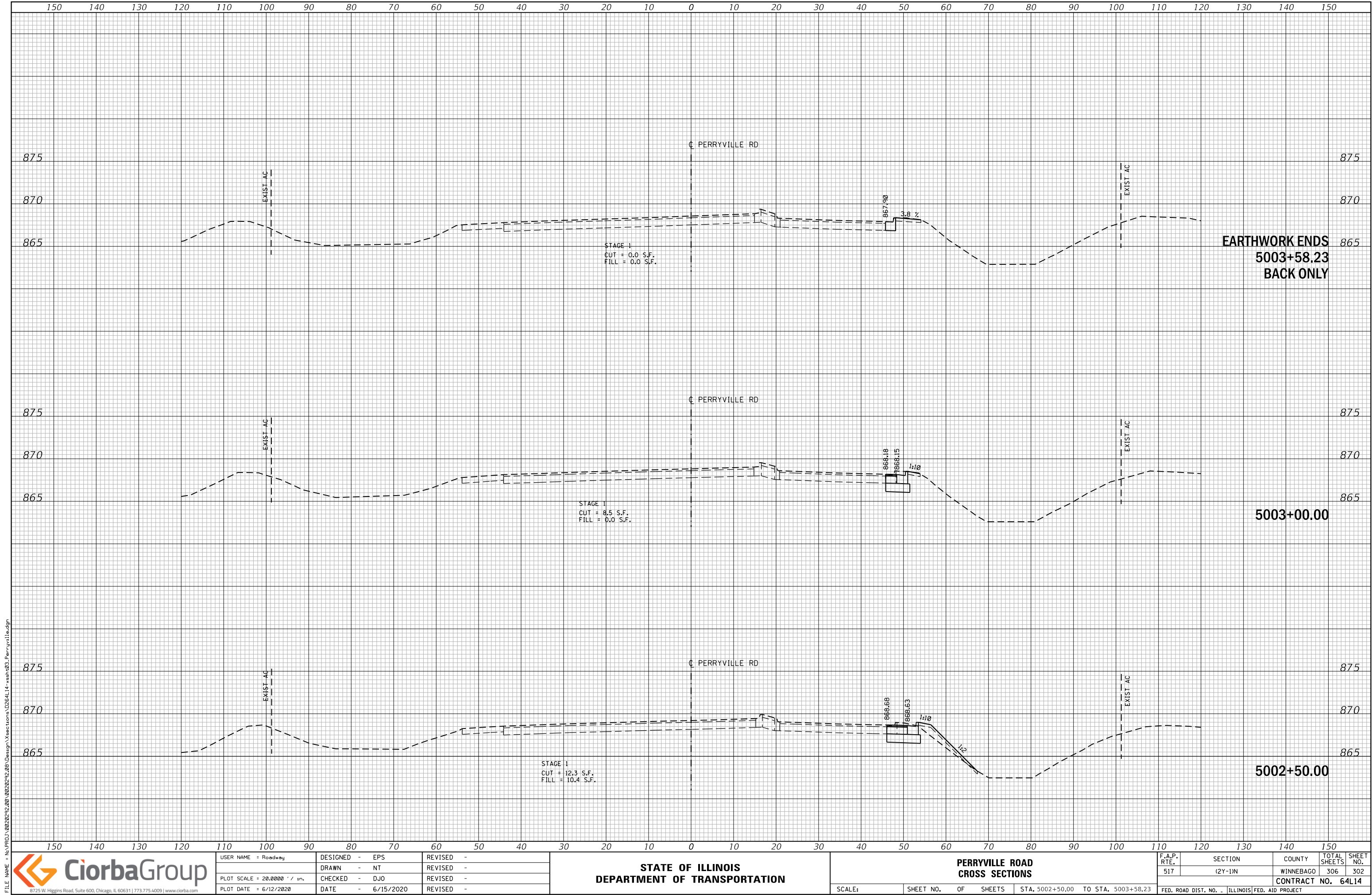
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PLOT DATE = 6/12/2020	CHECKED - DJO	REVISED -
	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERRYVILLE ROAD
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 4998+00.00 TO STA. 4999+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	300
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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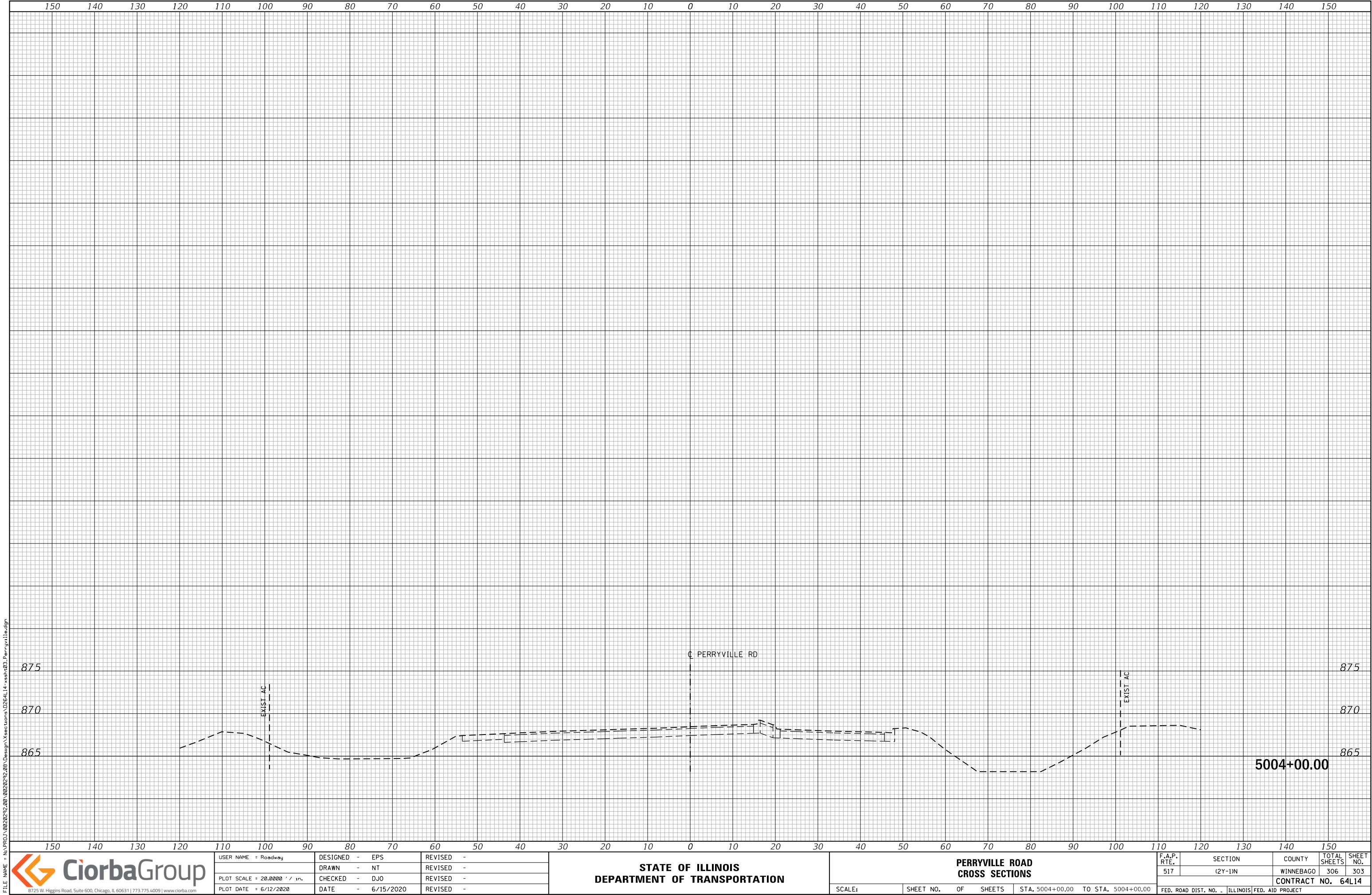
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PLOT DATE = 6/12/2020	CHECKED - DJO	REVISED -
DATE = 6/15/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERRYVILLE ROAD
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 5002+50.00 TO STA. 5003+58.23

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	302
CONTRACT NO. 64L14				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - NT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJO	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/15/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERRYVILLE ROAD CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 5004+00.00 TO STA. 5004+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
517	(2Y-1)N	WINNEBAGO	306	303
FED. ROAD DIST. NO. - ILLINOIS				CONTRACT NO. 64L14

