

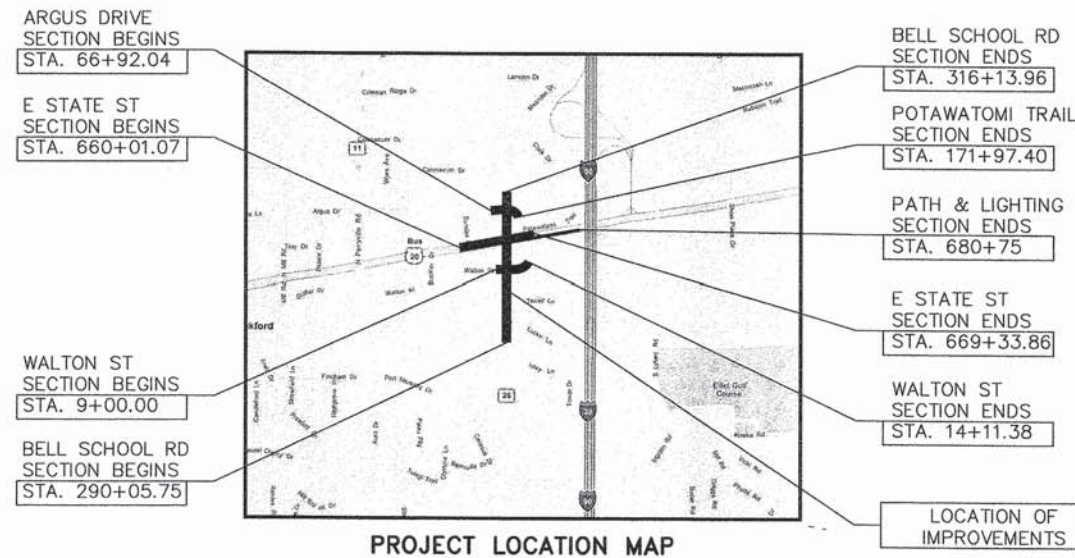
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR LOCAL AGENCY IMPROVEMENTS FEDERAL-AID PROJECT

**FAU 5149 (BELL SCHOOL ROAD)
SECTION 04-00345-00-CH
PROJECT NO. M-5099 (112)
JOB NO. C-92-118-06
CONTRACT NO. 85616**



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UTILITY OFFICIALS

GAS: JINA BURNS NORTHERN ILLINOIS GAS COMPANY 4651 LINDEN ROAD ROCKFORD, IL 61109 (815) 739-0876	WATER: MARCY LEACH CITY OF ROCKFORD PUBLIC WORKS 425 E. STATE STREET ROCKFORD, IL 61104 (815) 987-5570
ELECTRIC: MIKE LENOX COMMONWEALTH EDISON COMPANY 123 ENERGY AVE ROCKFORD, IL 61109 (815) 490-2869	CABLE TELEVISION: MIKE OWENS COMCAST 811 21ST STREET ROCKFORD, IL 61101 (815) 962-4400 ex 2012
TELEPHONE: STEVEN JONES AT&T 2408 EIGHTH AVENUE ROCKFORD, IL 61108 (815) 394-7270	SEWER: DANA CARROLL ROCK RIVER WATER RECLAMATION DISTRICT 3501 KISHWAUKEE STREET ROCKFORD, IL 61126-7480 (815) 397-9700

LENGTH OF SECTION (BELL SCHOOL ROAD) = 2,608.22 LIN. FT. = 0.49 MILES
 LENGTH OF SECTION (EAST STATE STREET) = 932.79 LIN. FT. = 0.18 MILES
 LENGTH OF SECTION (WALTON STREET) = 511.38 LIN. FT. = 0.10 MILES
 LENGTH OF SECTION (ARGUS STREET/POTAWATOMI TRAIL) = 505.36 LIN. FT. = 0.10 MILES
 DESIGN ADT: SOUTH LEG BELL SCHOOL ROAD-18,500 2% TRUCKS
 DESIGN ADT: NORTH LEG BELL SCHOOL ROAD-21,500 2% TRUCKS
 DESIGN ADT: EAST STATE STREET-36,150 2% TRUCKS

DESIGN DESIGNATION

BELL SCHOOL ROAD - ARTERIAL (45 MPH)
EAST STATE STREET - PRINCIPAL ARTERIAL (45 MPH)
WALTON STREET - COLLECTOR (30 MPH)
ARGUS STREET - COLLECTOR (30 MPH)



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JURISDICTION:

ENGINEER:



ARC DESIGN
RESOURCES INC.

5291 ZENITH PARKWAY
LOVES PARK, IL 61111
VOICE: (815) 484-4300
FAX: (815) 484-4303
www.arcdesign.com
Design Firm License No. 184-001334

AGENCY RESPONSIBLE FOR LETTING

APPROVED _____
LOCAL AGENCY, POSITION

PASSED 6/16/15

ACTING DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW 6/16/15

DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

FILE NAME *	USER NAME * #USER#	DESIGNED - DPA	REVISED - -
#FILES#		DRAWN - MWH	REVISED - -
	PLOT SCALE * #SCALE#	CHECKED - DPA	REVISED - -
	PLOT DATE * #DATE#	DATE - #DATE1#	REVISED - -



COVER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	1
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

HIGHWAY STANDARDS

000001-06	Standard Symbols, Abbreviations, and Patterns
001001-02	Areas of Reinforcement Bars
001006	Decimal of an Inch and of a Foot
280001-07	Temporary Erosion Control Systems
353001-04	PCC Base Course With HMA Binder and Surface Courses
420001-08	Pavement Joints
420101-05	24' Jointed PCC Pavement
420106-05	36' Jointed PCC Pavement
424001-08	Perpendicular Curb Ramps for Sidewalks
424006-02	Diagonal Curb Ramps for Sidewalks
424011-02	Corner Parallel Curb Ramps for Sidewalks
424016-02	Mid-Block Curb Ramps for Sidewalks
424021-03	Depressed Corner for Sidewalks
424026-01	Entrance/Alley Pedestrian Crossings
424031-01	Median Pedestrian Crossings
442101-07	Class B Patches
442201-03	Class C and D Patches
482001-02	HMA Shoulder Adjacent to Flexible Pavement
482006-03	HMA Shoulder Adjacent to Rigid Pavement
482011-03	HMA Shd. Strips/Shlds. With Resurfacing or Widening and Resurfacing Projects
542301-03	Precast Reinforced Concrete Flared End Section
601001-04	Sub-Surface Drains
602401-03	Manhole Type A
602601-03	Precast Reinforced Concrete Flat Slab Top
602701-02	Manhole Steps
604001-04	Frame and Lids Type 1
606001-06	Concrete Curb Type B and Combination Concrete Curb and Gutter
606301-04	PC Concrete Islands and Medians
606306-03	Corrugated PC Concrete Medians
664001-02	Chain Link Fence
701101-04	Off-Rd Operations, Multilane, 15' (4.5 m) to 24' (600 mm) from Pavement Edge
701422-07	Lane Closure, Multilane, for Speed > 45 MPH to 55 MPH
701426-07	Lane Closure, Multilane, Intermittent or Moving Operations for Speeds > 45 MPH
701501-06	Urban Lane Closure, 2L, 2W, Undivided
701601-09	Urban Lane Closure, Multilane, 1W or 2W with Nontraversable Median
701602-07	Urban Lane Closure, Multilane, 2W with Bidirectional Left Turn Lane
701606-10	Urban Single Lane Closure, Multilane, 2W with Mountable Median
701801-05	Sidewalk, Corner, or Crosswalk Closure
701901-04	Traffic Control Devices
720001-01	Sign Panel Mounting Details
720006-04	Sign Panel Erection Details
720011-01	Metal Posts for Signs, Markers, & Delineators
720016-03	Mast Arm Mounted Street Name Signs
728001-01	Telescoping Steel Sign Support
729001-01	Applications of Types A & B Metal Posts (For Signs & Markers)
780001-05	Typical Pavement Markings
781001-03	Typical Applications Raised Reflective Pavement Markers
805001-01	Electrical Service Installation Details
814001-03	Handholes
814006-02	Double Handholes
821101-01	Luminaire Wiring Diagram
825026-03	Lighting Controller Base Mounted, 480V
830026	Temporary Roadway Lighting
834001-02	Light Pole Foundation
838001	Breakaway Devices
857001-01	Standard Phase Designation Diagrams and Phase Sequences
862001-01	Uninterruptible Power Supply (UPS)
873001-02	Traffic Signal Grounding & Bonding
876001-03	Pedestrian Push Button Post
877006-04	Steel Mast Arm Assembly and Pole With Dual Mast Arms
877011-05	Steel Combination Mast Arm Assembly and Pole 16' Through 55'
877012-02	Steel Combination Mast Arm Assembly and Pole 56' Through 75'
878001-10	Concrete Foundation Details
880001-01	Span Wire Mounted Signals and Flashing Beacon Installation
880006-01	Traffic Signal Mounting Details

DISTRICT 2 STANDARDS

3.1	Mailbox Turnout In Curb and Gutter Section
4.1	PC Concrete Islands and Medians Accessible to the Disabled
25.1	Entrance Approaches - Urban Area
32.1	Sewer and Watermain Crossings
33.1	Concrete Collars for Pipe or Box Culvert Extensions
35.1	Urban Lane Inside Closure, Multilane, 2-Way, With Mountable Median
38.1	Traffic Control for Transition Areas
41.1	Typical Pavement Markings
44.1	Painting Details
68.1	Slotted Drain Pipe
92.1	Details of Planting and Bracing Trees
10.2	Inlets, Special
12.2	Double Inlet, Special
13.2a	Frame and Grate for Inlets, Special
13.2d	Frame and Grate for Inlets, Special
94.2	Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
17.4	Catch Basin or Inlets to be Adjusted or Reconstructed
19.4	Riprap at End Sections
20.4	Grading Around Wingwalls
23.4a	Hot-Mix Asphalt Shoulder
35.4	Sidewalk and Driveway Pavement Pay Areas
79.4	Inlets, Special, No. 3
79.4b	Inlets, Special, No. 5
79.4c	Inlets, Special, No. 6
79.4f	Nose Type for Inlet Top Slab
79.4g	Inlets, Special, No. 3, 4, 5, 6 Reinforcement Detail

COMMITMENTS

- All business entrances shall remain open to traffic during construction
- BURGER KING**
 - Can not close drive-thru from 6:00 AM to midnight only
 - ROAD RANGER**
 - No equipment or material shall be stored on the temporary easement
 - WAL-MART**
 - Entrance shall remain open to truck traffic
 - For deliveries let Phyllis Overstreet (479-273-6277) of Wal-Mart know when work will start on their entrance
 - WEITZEL**
 - Paint with white paint the southeast curb at Potawatomi
 - Radius only and island
 - RED ROOF INN**
 - Sign and foundation to be removed with contract
 - Faces shall be salvaged and taken to Red Roof Inn site

GENERAL NOTES AND CONDITIONS

- All earthwork, grading and paving shall be performed in accordance with Standard Specifications for Road and Bridge Construction in Illinois, State of Illinois Department of Transportation, (current edition), the "Supplemental Specifications and Recurring Special Provision" (current edition), and all revisions and supplements thereto, and the requirements and specifications of the County of Winnebago and/or City of Rockford (where applicable).
- Notify the following at least 48 hours prior to start of construction:
 - Winnebago County Highway Dept. - (815) 319-4000
 - City of Rockford Dept. of Public Works - (815) 987-5706
 - Arc Design Resources, Inc. - (815) 484-4300
 - Illinois Department of Transportation - (815) 284-5471
- The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. The J.U.L.I.E. number is 800-892-0123. A minimum of 48 hours advance notice is required for non-emergency work.
- The Contractor shall contact the City of Rockford Department of Public Works Water Division for all water main shutoffs required due to construction operations. The Contractor shall not operate any valves or shutoffs without prior notification. All water work shall be in accordance with the City of Rockford and State of Illinois watermain requirements. Any storm sewer that crosses or is within 10 feet of watermain shall be watermain quality. Gasketed joints are not acceptable. All vaults in parkway that will now be in roadway shall have heavy duty castings. No vibrating rollers shall be used. Contractor shall notify the Water Division Operations Center operator (779) 348-7368 prior to any water main valve shut off.
- All elevations are U.S.G.S. Datum.
- The top four inches of soil in any right of way area disturbed by the Contractor must be capable of supporting vegetation.
- All mandatory joint sealing for Class A, Class B, and Class B (Hinge Jointed) patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment. These items shall be incidental to the cost per square yard of patching.
- Cut or fill slopes shall have a maximum ratio of 3 horizontal to one vertical. These slope constraints apply to temporary stock piles as well as finished slope conditions.
- The Contractor is responsible for maintaining positive drainage at the conclusion of each working day.
- See cross sections for special slopes, including driveway slopes.
- The Contractor shall place contraction joints in prolongation with joints in the existing pavement. The cost for this work shall be included in the contract unit price for the P.C.C. Pavement.
- Embankment will not be measured for payment and shall be included in the Earth Excavation cost.
- Except for the top 3", all aggregate bases and subbases 12" in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 12", the bases or subbases shall be constructed of topsize 6" breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 2" size sieve, except the top 3".
- The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 3" shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 3" layer may be added after the subbase or base course is placed on the grade.
- A contingency quantity has been included in the plans for Removal & Disposal of Unsuitable Material as well as Breaker-Run Crushed Stone and shall be used as needed. Quantities will be measured in the field.
- Tie bars shall be installed to tie PCC appurtenance to adjacent existing concrete pavement.
- Tie the following Length, size, and spacing of Tie Bars

Gutter or Curb & Gutter	Std 606001-06	24" long No. 6 @ 24" cts
PCC Pavement	Std 353001-04	24" long No. 6 @ 30" cts
- Tie bars to be installed in accordance with the applicable portions of Article 420.05 of the Standard Specifications. See Highway Standard 420001-08 for detail on longitudinal construction joint grouted-in-place tie bar. The cost of the tie bars to be included in the cost of the PCC appurtenance adjacent to the existing pavement.
- The contractor shall maintain a minimum 24' clear roadway width for two way traffic flow and a minimum 12' wide single lane throughout the duration of the contract and in accordance with the state standards. Ingress and egress to driveways and sidestreets shall be maintained at all times, with special conditions noted below, unless otherwise directed by the Engineer.
- The contractor shall maintain traffic in accordance with the state standards, special provisions, standard specifications, and as directed by the engineer.
- The Engineer shall be informed 48 hours in advance of any change in construction staging or traffic control.
- No construction equipment shall be stored on public right-of-way where it might block visibility or promote driver confusion.
- When drop-offs are less than or equal to 3 feet from the edge of the travel lane, the drop-off shall be no more than 24 inches when workers are not present. Failure to reduce the drop-off to 12 inches may result in a traffic control deficiency.
- Contact Rock River Water Reclamation District (RRWRD) when sanitary manhole adjustments are to be made so that they may have a representative on hand to witness the operation. Adjustment or reconstruction of sanitary manholes shall be in accordance with the requirements of the RRWRD. The contractor, by submission of his bid, asserts that he is familiar with these requirements and shall abide by them. Contact RRWRD at 815-387-7660 to obtain their current adjustment/reconstruction requirements.
- Any disturbed areas shall be kept to a practical minimum and shall be mulched, seeded, sodded or paved as soon as practical.
- All inlets, structures, pipes, swales, and roads shall be kept clean and free of dirt and silt.
- Straw bales firmly anchored shall be placed around all inlets, catchbasins, and swales that receive silty runoff during the course of construction.
- The Contractor shall place straw bales around all proposed drainage structures with open lids (catch basins and inlets) throughout the entire site.
- All earth stockpiles shall be surrounded with silt fence.
- Do not track or spill dirt clumps onto adjacent roadways. If dirt is deposited on public pavements, the Contractor shall remove the dirt and clean the pavement at his own expense.
- All storm sewer and culverts shall be constructed of reinforced concrete pipe Class A Type I or thicker conforming to ASTM C-76, with either mastic or preformed joints (ASTM C-433).
- All inlets, catch basins, drywells, and manholes shall be precast concrete.
- All storm sewers under and within two feet of any existing or proposed pavement, sidewalks, or curbs shall be backfilled with granular backfill material IDOT gradation FA-6. (Grade 8 or Grade 9)
- Any field tiles encountered shall be reconnected or connected to the storm sewer system. The size, location, and depth of the tiles shall be recorded by the contractor and immediately reported to the owner, city and the Engineer.
- Any bushes or trees under 6 units diameter, scheduled for removal, shall not be paid for separately but shall be included in the cost of Earth Excavation.

All fire hydrants, public and private shall have a Harrington Integral Hydrant Storz nozzle installed on hydrants during assembly and shall meet or exceed the requirements of AWWA C502 regarding material and pressure testing. The Storz nozzle shall have a brass metal face seal and hard anodized aluminum Storz ramps and lugs. The aluminum's finish shall be hardcoat anodized to MIL-A-8625F, Type 3, dark gray. The adaptor shall be made of forged or extruded 6061-T6 aluminum. The blind cap shall have hard anodized aluminum Storz ramps and lugs, made of forged or extruded 6061-T6 aluminum. The center cap shall be equipped with a suction seal. The cap shall be connected to the adaptor of the hydrant with a 0.15" vinyl coated aircraft cable.

12/20/10	MMH
02/12/13	MMH
02/12/13	DPA
02/12/13	DPA

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		DATE - #DATE1#	REVISED - -



GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	2
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
1		20100110	Tree Removal (6 to 15 Units Diameter)	UNIT	64	64		
2		20100210	Tree Removal (Over 15 Units Diameter)	UNIT	18	18		
3		20200100	Earth Excavation	CU YD	12500	12500		
4		20201200	Removal and Disposal of Unsuitable Material	CU YD	2440	2440		
5		20800150	Trench Backfill	CU YD	2300	2300		
6		21101615	Topsoil Furnish and Place, 4"	SQ YD	11575	11575		
Δ 7		25000110	Seeding, Class 1A	ACRE	1.25	1.25		
Δ 8		25000400	Nitrogen Fertilizer Nutrient	POUND	112.5	112.5		
Δ 9		25000500	Phosphorus Fertilizer Nutrient	POUND	112.5	112.5		
Δ 10		25000600	Potassium Fertilizer Nutrient	POUND	112.5	112.5		
Δ 11		25100630	Erosion Control Blanket	SQ YD	4990	4990		
Δ 12		25200100	Sodding	SQ YD	5488	5488		
13		28000250	Temporary Erosion Control Seeding	POUND	250	250		
14		28000305	Temporary Ditch Check	FOOT	270	270		
15		28000400	Perimeter Erosion Barrier	FOOT	6024	6024		
16		28000500	Inlet and Pipe Protection	EACH	30	30		
17		35100120	Aggregate Base Course, Type A 2"	SQ YD	1135	1135		
18		35100300	Aggregate Base Course, Type A 4"	SQ YD	6173	6173		
19		35100700	Aggregate Base Course, Type A 8"	SQ YD	741	741		
20		35100900	Aggregate Base Course, Type A 10"	SQ YD	1196	1196		
21		35101100	Aggregate Base Course, Type A 12"	SQ YD	3215	3215		
22		35101350	Aggregate Base Course, Type A 15"	SQ YD	10126	10126		
23		40600275	Bituminous Materials (Prime Coat)	POUND	54326	54326		
24		40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	SQ YD	593	593		
25		40603080	Hot-Mix Asphalt Binder Course, IL-19.0, N50	TON	1488	1488		
26		40603085	Hot-Mix Asphalt Binder Course, IL-19.0, N70	TON	11	11		
27		40603310	Hot-Mix Asphalt Surface Course, Mix "C", N50	TON	152	152		
28		40603335	Hot-Mix Asphalt Surface Course, Mix "D", N50	TON	383	383		
29		40701821	Hot-Mix Asphalt Pavement (Full-Depth), 7"	SQ YD	6623	6623		
30		40701901	Hot-Mix Asphalt Pavement (Full-Depth), 11"	SQ YD	8843	8843		

Δ Specialty Items

LAYOUT 12/20/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	3
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
31		42000301	Portland Cement Concrete Pavement, 8" (Jointed)	SQ YD	3577	3577		
32		42300400	Portland Cement Concrete Driveway Pavement, 8 Inch	SQ YD	630	630		
33		42400200	Portland Cement Concrete Sidewalk 5 Inch	SQ FT	10212	10212		
34		42400800	Detectable Warnings	SQ FT	625	625		
35	*	44000100	Pavement Removal	SQ YD	8841	8841		
36	*	44000200	Driveway Pavement Removal	SQ YD	307	307		
37		44000300	Curb Removal	FOOT	10	10		
38		44000500	Combination Curb and Gutter Removal	FOOT	5545	5545		
39		44000600	Sidewalk Removal	SQ FT	4002	4002		
40		44003100	Median Removal	SQ FT	3040	3040		
41		44004250	Paved Shoulder Removal	SQ YD	650	650		
42		44200956	Class B Patches, Type II, 9 Inch	SQ YD	46.2	46.2		
43		44200962	Class B Patches, Type III, 9 Inch	SQ YD	15.7	15.7		
44		44200964	Class B Patches, Type IV, 9 Inch	SQ YD	212	212		
45		44201696	Class D Patches, Type IV, 4 Inch	SQ YD	237	237		
46		48203029	Hot-Mix Asphalt Shoulders, 8"	SQ YD	220	220		
47		50105220	Pipe Culvert Removal	FOOT	185	185		
48		50300300	Protective Coat	SQ YD	8053	8053		
49		542D0223	Pipe Culverts, Class D, Type 1 18"	FOOT	89	89		
50		54213660	Precast Reinforced Concrete Flared End Sections 15"	EACH	1	1		
51		54213669	Precast Reinforced Concrete Flared End Sections 24"	EACH	1	1		
52		550A0050	Storm Sewers, Class A, Type 1 12"	FOOT	718	718		
53		550A0070	Storm Sewers, Class A, Type 1 15"	FOOT	624	624		
54		550A0090	Storm Sewers, Class A, Type 1 18"	FOOT	440	440		
55		550A0110	Storm Sewers, Class A, Type 1 21"	FOOT	60	60		
56		550A0120	Storm Sewers, Class A, Type 1 24"	FOOT	195	195		
57		550A2360	Storm Sewers, Rubber Gasket, Class A, Type 1 24"	FOOT	152	152		
58		55100500	Storm Sewer Removal, 12"	FOOT	277	277		
59		55100700	Storm Sewer Removal, 15"	FOOT	168	168		
60		55100900	Storm Sewer Removal, 18"	FOOT	488	488		

LAYOUT 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	4
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
Δ 61	*	56400200	Fire Hydrants to be Moved (Special)	EACH	5	5		
Δ 62	*	56400300	Fire Hydrants to be Adjusted	EACH	1	1		
63		60107600	Pipe Underdrains 4"	FOOT	151	151		
64		60221100	Manholes, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	EACH	1	1		
65		60252800	Catch Basins to be Reconstructed	EACH	2	2		
66		60257900	Manholes to be Reconstructed	EACH	1	1		
67		60260100	Inlets to be Adjusted	EACH	1	1		
68		60263000	Inlets to be Reconstructed with New Type 1 Frame, Closed Lid	EACH	5	5		
69		60265700	Valve Vaults to be Adjusted	EACH	17	17		
70		60266600	Valve Boxes To Be Adjusted	EACH	3	3		
71		60500040	Removing Manholes	EACH	2	2		
72		60500060	Removing Inlets	EACH	4	4		
73		60603500	Combination Concrete Curb and Gutter, Type B-6.06	FOOT	209	209		
74		60603800	Combination Concrete Curb and Gutter, Type B-6.12	FOOT	47	47		
75		60604400	Combination Concrete Curb and Gutter, Type B-6.18	FOOT	3610	3610		
76		60605000	Combination Concrete Curb and Gutter, Type B-6.24	FOOT	3581	3581		
77		60607400	Combination Concrete Curb and Gutter, Type B-9.24	FOOT	166	166		
78		60618300	Concrete Median Surface, 4 Inch	SQ FT	3043	3043		
79		60619600	Concrete Median, Type SB-6.12	SQ FT	4393	4393		
80		60624600	Corrugated Median	SQ FT	100	100		
Δ 81		66400105	Chain Link Fence, 4'	FOOT	170	170		
82		67100100	Mobilization	L SUM	1	1		
83		70300100	Short-Term Pavement Marking	FOOT	9399	9399		
84		70300210	Temporary Pavement Marking Letters and Symbols	SQ FT	594	594		
85		70300220	Temporary Pavement Marking - Line 4"	FOOT	45930	45930		
86		70300280	Temporary Pavement Marking - Line 24"	FOOT	439	439		
87		70301000	Work Zone Pavement Marking Removal	SQ FT	16188	16188		
88		72400100	Remove Sign Panel Assembly - Type A	EACH	13	13		
89		72400500	Relocate Sign Panel Assembly - Type A	EACH	12	12		
Δ 90		78000100	Thermoplastic Pavement Marking - Letters and Symbols	SQ FT	556	556		

Δ Specialty Items

LAYOUT	12/10/10
DRAWN	02/12/13
REVIEWED	02/12/13
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SUMMARY OF QUANTITIES

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	5
			CONTRACT NO. 85616	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
Δ 91		78000200	Thermoplastic Pavement Marking - Line 4"	FOOT	5519	5519		
Δ 92		78000400	Thermoplastic Pavement Marking - Line 6"	FOOT	960	960		
Δ 93		78000500	Thermoplastic Pavement Marking - Line 8"	FOOT	2833	2833		
Δ 94		78000600	Thermoplastic Pavement Marking - Line 12"	FOOT	1487	1487		
Δ 95		78000650	Thermoplastic Pavement Marking - Line 24"	FOOT	342	342		
Δ 96		78005100	Epoxy Pavement Marking - Letters and Symbols	SQ FT	448	448		
Δ 97		78005110	Epoxy Pavement Marking - Line 4"	FOOT	6732	6732		
Δ 98		78005130	Epoxy Pavement Marking - Line 6"	FOOT	945	945		
Δ 99		78005140	Epoxy Pavement Marking - Line 8"	FOOT	3017	3017		
Δ 100		78005150	Epoxy Pavement Marking - Line 12"	FOOT	1406	1406		
Δ 101		78005180	Epoxy Pavement Marking - Line 24"	FOOT	259	259		
Δ 102		78100100	Raised Reflective Pavement Marker	EACH	330	330		
Δ 103		78300100	Pavement Marking Removal	SQ FT	3816	3816		
Δ 104		80400100	Electric Service Installation	EACH	1	1		
Δ 105		80500100	Service Installation, Type A	EACH	3		3	
Δ 106		81028720	Underground Conduit, Coilable Non-Metallic Conduit, 1" Dia.	FOOT	6500	6500		
Δ 107		81028730	Underground Conduit, Coilable Non-Metallic Conduit, 1 1/4" Dia.	FOOT	78		78	
Δ 108		81028740	Underground Conduit, Coilable Non-Metallic Conduit, 1 1/2" Dia.	FOOT	79		79	
Δ 109		81028750	Underground Conduit, Coilable Non-Metallic Conduit, 2" Dia.	FOOT	3796	2630	1166	
Δ 110		81028770	Underground Conduit, Coilable Non-Metallic Conduit, 3" Dia.	FOOT	370	207	163	
Δ 111		81028780	Underground Conduit, Coilable Non-Metallic Conduit, 3 1/2" Dia.	FOOT	250		250	
Δ 112		81028790	Underground Conduit, Coilable Non-Metallic Conduit, 4" Dia.	FOOT	396		396	
Δ 113		81028800	Underground Conduit, Coilable Non-Metallic Conduit, 5" Dia.	FOOT	507		507	
Δ 114		81400100	Handhole	EACH	14		14	
Δ 115		81400300	Double Handhole	EACH	3		3	
Δ 116		81400730	Handhole, Composite Concrete	EACH	16	16		
Δ 117		81702110	Electric Cable in Conduit, 600V (XLP-Type Use) 1/C No. 10	FOOT	29500	29500		
Δ 118		81702417	Electric Cable In Conduit, 600V (XLP-Type Use), 3-1/C No. 6, 1C No. 6 Ground	FOOT	3104		3104	
Δ 119		82500360	Lighting Controller, Base Mounted, 480 Volt, 100 Amp	EACH	1	1		
Δ 120		83600300	Light Pole Foundation, 30" Diameter	FOOT	294	294		

Δ Specialty Items

LAYOUT 12/10/10
DRAWN MWH 02/12/13
REVIEWED DPA 02/12/13

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SUMMARY OF QUANTITIES

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	6
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
Δ 121		83800650	Break Away Device Coupling With Stainless Steel Screen	EACH	196	196		
Δ 122		85100500	Paint New Traffic Signal Post	EACH	9		9	
Δ 123		85100800	Paint New Combination Mast Arm and Pole, Under 40 ft	EACH	2		2	
Δ 124		85100901	Paint New Combination Mast Arm and Pole, Over 40 ft	EACH	10		10	
Δ 125		85700200	Full-Actuated Controller and Type IV Cabinet	EACH	3		3	
Δ 126		87100110	Fiber Optic Cable in Conduit, No. 62.5/125, 6F	FOOT	1369		1369	
Δ 127		87300925	Electric Cable in Conduit, Tracer, No. 14 1C	FOOT	2682	2682		
Δ 128		87301215	Electric Cable in Conduit, Signal No. 14 2C	FOOT	5721		5721	
Δ 129		87301225	Electric Cable in Conduit, Signal No. 14 3C	FOOT	5846		5846	
Δ 130		87301245	Electric Cable in Conduit, Signal No. 14 5C	FOOT	5026		5026	
Δ 131		87301255	Electric Cable in Conduit, Signal No. 14 7C	FOOT	8520		8520	
Δ 132		87301805	Electric Cable in Conduit, Service No. 6 2C	FOOT	447		447	
Δ 133		87502500	Traffic Signal Post, Galvanized Steel 16 ft.	EACH	9		9	
Δ 134		87702690	Steel Mast Arm Assembly and Pole with Dual Mast Arms, 44 ft and 42 ft.	EACH	1		1	
Δ 135		87702900	Steel Combination Mast Arm Assembly and Pole 34 ft.	EACH	1		1	
Δ 136		87702910	Steel Combination Mast Arm Assembly and Pole 36 ft.	EACH	1		1	
Δ 137		87702930	Steel Combination Mast Arm Assembly and Pole 40 ft.	EACH	3		3	
Δ 138		87702980	Steel Combination Mast Arm Assembly and Pole 50 ft.	EACH	1		1	
Δ 139		87702990	Steel Combination Mast Arm Assembly and Pole 54 ft.	EACH	2		2	
Δ 140		87703020	Steel Combination Mast Arm Assembly and Pole 58 ft.	EACH	1		1	
Δ 141		87703070	Steel Combination Mast Arm Assembly and Pole 66 ft.	EACH	1		1	
Δ 142		87800100	Concrete Foundation, Type A	FOOT	27		27	
Δ 143		87800200	Concrete Foundation, Type D	FOOT	10.5		10.5	
Δ 144	*	87800400	Concrete Foundation, Type E 30-Inch Diameter	FOOT	10		10	
Δ 145	*	87800415	Concrete Foundation, Type E 36-Inch Diameter	FOOT	104		104	
Δ 146	*	87800420	Concrete Foundation, Type E 42-Inch Diameter	FOOT	46		46	
Δ 147		88030020	Signal Head, LED, 1-Face, 3-Section, Mast Arm Mounted	EACH	22		22	
Δ 148		88030100	Signal Head, LED, 1-Face, 5-Section, Bracket Mounted	EACH	23		23	
Δ 149		88030110	Signal Head, LED, 1-Face, 5-Section, Mast Arm Mounted	EACH	13		13	
Δ 150		88102825	Pedestrian Signal Head, Polycarbonate, LED, 1-Face, Bracket Mounted with Count Down Timer	EACH	28		28	

Δ Specialty Items

LAYOUT	MMH	12/20/10
DRAWN	MMH	02/12/13
REVIEWED	DPA	02/12/13

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 85616	

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
Δ 151		88200100	Traffic Signal Backplate	EACH	35		35	
Δ 152		88800100	Pedestrian Push Button	EACH	28		28	
Δ 153		89000100	Temporary Traffic Signal Installtion	EACH	1		1	
Δ 154	*	89502375	Remove Existing Traffic Signal Equipment	EACH	3		3	
Δ 155	*	89502380	Remove Existing Handhole	EACH	12	12		
Δ 156	*	89502385	Remove Existing Concrete Foundation	EACH	2	2		
Δ 157		C2C05824	Shrub, Rhus Aromatica Gro-Low (Gro-Low Fragrant Sumac), 2' Width, Container	EACH	55	55		
Δ 158		C2C09918	Shrub, Spirea X Bumalda Goldflame (Gold Flame Bumald Spirea), 18" Height, Container	EACH	43	43		
Δ 159		K0013020	Perennial Plants, Prairie Type, Gallon Pot	UNIT	0.6	0.6		
Δ 160	*	K0036120	Mulch Placement 4"	SQ YD	50	50		
161	*	X0300015	Concrete Wingwall Removal	EACH	2	2		
162	*	X0322916	Proposed Storm Sewer Connection to Existing Storm Sewer	EACH	2	2		
163	*	X0322917	Proposed Storm Sewer Connection to Existing Manhole	EACH	3	3		
164	*	X0322936	Remove Existing Flared End Section	EACH	12	12		
165	*	X0327036	Bike Path Removal	SQ YD	1842	1842		
Δ 166	*	X1400012	Remove and Reinstall Fiber Optic Cable in Conduit	FOOT	994		994	
167	*	X4080052	Incidental Hot-Mix Asphalt Surfacing (Special)	TON	300	300		
168	*	X4400110	Temporary Pavement Removal	SQ YD	638	638		
169	*	X4400196	Hot-Mix Asphalt Surface Removal, Special	SQ YD	275	275		
170	*	X4402020	Concrete Median Surface Removal	SQ FT	2717	2717		
171	*	X6024210	Double Inlets, Special	EACH	2	2		
172	*	X6024240	Inlets, Special	EACH	1	1		
173	*	X6024242	Inlets, Special No. 1	EACH	1	1		
174	*	X6024244	Inlets, Special No. 2	EACH	1	1		
175	*	X6024246	Inlets, Special No. 3	EACH	5	5		
176	*	X6024250	Inlets, Special No. 5	EACH	11	11		
177	*	X6024252	Inlets, Special No. 6	EACH	2	2		
178	*	X6026050	Sanitary Manholes To Be Adjusted	EACH	2	2		
179	*	X6026051	Sanitary Manholes To Be Reconstructed	EACH	1	1		
180	*	X6061930	Concrete Median, Type SB-6.18 (Modified)	SQ FT	97	97		

Δ Specialty Items

LAYOUT 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	8
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

Item Number	S.P.	Pay Item Number	Description	Unit	Total	Construction Type Code		
						0003	0021	0042
181	*	X7010216	Traffic Control and Protection, Special	L SUM	1			
Δ 182	*	X8100105	Conduit Splice	EACH	2		2	
Δ 183	*	X8140115	Handhole To Be Adjusted	EACH	1	1		
Δ 184	*	X8211125	Luminaire, LED, Horizontal Mount, Special	EACH	66	66		
Δ 185	*	X8410102	Temporary Lighting System	L SUM	1	1		
Δ 186	*	X8410118	Maintenance of Temporary Lighting System	L SUM	1	1		
Δ 187	*	X8870300	Emergency Vehicle Priority System	EACH	3		3	
Δ 188	*	X8950105	Remove Existing Traffic Controller and Cabinet	EACH	1		1	
189	*	XX002182	Street Name Sign Mast Arm Mount	EACH	12		12	
Δ 190	*	XX002185	Relocate Existing Light Pole	EACH	2	2		
191	*	XX003653	Special Structure, SP-1	EACH	1	1		
192	*	XX006066	Sign To Be Relocated	EACH	1	1		
193	*	XX006821	Concrete Truck Washouts	L SUM	1	1		
Δ 194	*	XX007002	Lighting Unit, Aluminum, Complete, 40' and 16' M.H., Dual Luminaire Arms (Special)	EACH	10	10		
Δ 195	*	XX007003	Lighting Unit, Aluminum, Complete, 40' M.H., Single Luminaire Arm (Special)	EACH	39	39		
Δ 196	*	XX007797	Luminaire, Special	EACH	4	4		
197	*	XZ127900	Retaining Wall Removal	FOOT	31.1	31.1		
198	*	Z0013798	Construction Layout	L SUM	1	1		
Δ 199	*	Z0033072	Video Vehicle Detection System	EACH	3		3	
200	*	Z0043750	Precast Modular Block Wall	SQ FT	2555	2555		
Δ 201	*	Z0050600	Remove and Reset Ornamental Fence	FOOT	35.8	35.8		
202	*	Z0054400	Rock Fill	CU YD	2440	2440		
203	*	Z0062456	Temporary Pavement	SQ YD	638	638		
204	*	Z0076600	Trainees	HOUR				1000
205	*	Z0076604	Trainees Training Program Graduate	HOUR				1000

Δ Specialty Items

LAYOUT
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12/10/10
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02/12/13

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SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	9
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

20100110 - Tree Removal, 6 to 15 Units Diameter (UNIT)		28000400 - Perimeter Erosion Barrier (FOOT)		40603310 - Hot-Mix Asphalt Surface Course, Mix "C", NS0 (TON)		44004250 - Paved Shoulder Removal (SQ YD)	
Bell School Road (South)	8	Bell School Road (South)	2814	Burger King Drivethrough	23	US Bus. 20 (E. State St.)	650
	8	Bell School Road (North)	421	Bell School Road (North)	30	Total	650
	8	Walton Street	240	Argus Drive	99		
	12	Argus Drive	243	Total	152	44200956 - Class B Patches, Type II, 9 Inch (SQ YD)	
	10	Potawatomi Trail	84			Bell School Road (North)	27.5
US Bus. 20 (E. State St.)	8	US Bus. 20 (E. State St.)	2222			US Bus. 20 (E. State St.)	18.7
Total	64	Total	6024	40603335 - Hot-Mix Asphalt Surface Course, Mix "D", NS0 (TON)		Total	46.2
				Bell School Road (South)	109		
20100210 - Tree Removal, Over 15 Units Diameter (UNIT)		28000500 - Inlet and Pipe Protection (EACH)		Walton Street	209	44200962 - Class B Patches, Type III, 9 Inch (SQ YD)	
US Bus. 20 (E. State St.)	18	Bell School Road (South)	15	Argus Drive	65	Bell School Road (North)	15.7
Total	18	Bell School Road (North)	3	Total	383	Total	15.7
		Argus Drive	2				
20200100 - Earth Excavation (CU YD)		Walton Street	4	40701821 - Hot-Mix Asphalt Pavement (Full-Depth), 7" (SQ YD)			
Bell School Road	7750	US Bus. 20 (E. State St.)	6	Bell School Road (South)	6623	44200964 - Class B Patches, Type IV, 9 Inch (SQ YD)	
Walton Street	2200	Total	30	Total	6623	Bell School Road (North)	212
Argus Drive	550					Total	212
US Bus. 20 (E. State St.)	1350	35100120 - Aggregate Base Course, Type A 2" (SQ YD)					
US Bus. 20 Bike Path	650	Bell School Road (South)	134	40701901 - Hot-Mix Asphalt Pavement (Full-Depth), 11" (SQ YD)		44201696 - Class B Patches, Type IV, 4 Inch (SQ YD)	
Total	12500	Bell School Road (North)	50	Bell School Road (South)	8439	Bell School Road (South)	237
		Walton Street	70	US Bus. 20 (E. State St.)	404	Total	237
		Argus Drive	404	Total	8843		
		US Bus. 20 (E. State St.)	477				
		Total	1135	42000301 - Portland Cement Concrete Pavement, 8" (Jointed) (SQ YD)			
20201200 - Removal and Disposal of Unsuitable Material (CU YD)		35100300 - Aggregate Base Course, Type A 4" (SQ YD)		Bell School Road (North)	1590	48203029 - Hot-Mix Asphalt Shoulders, 8" (SQ YD)	
Bell School Road	1530	Bell School Road (North)	2755	US Bus. 20 (E. State St.)	1987	US Bus. 20 (E. State St.)	220
Walton Street	430	Walton Street	28	Total	3577	Total	220
Argus Drive	100	US Bus. 20 (E. State St.)	3390				
US Bus. 20 (E. State St.)	260	Total	6173	42300400 - Portland Cement Concrete Driveway Pavement, 8 Inch (SQ YD)			
US Bus. 20 Bike Path	120			Walton Street	248	50105220 - Pipe Culvert Removal (FOOT)	
Total	2440			US Bus. 20 (E. State St.)	382	Bell School Road (South)	163
		35100700 - Aggregate Base Course, Type A 8" (SQ YD)		Total	630	US Bus. 20 (E. State St.)	22
20800150 - Trench Backfill (CU YD)		US Bus. 20 (E. State St.)	741			Total	185
Bell School Road	1675	Total	741	42400200 - Portland Cement Concrete Sidewalk 5 Inch (SQ FT)			
Walton Street and Argus Drive	200			Bell School Road (South)	1202	50300300 - Protective Coat (SQ YD)	
US Bus. 20 (E. State St.)	425			Bell School Road (North)	448	Bell School Road	3502
Total	2300			Walton Street	632	Walton Street & Argus Drive	1130
		35100900 - Aggregate Base Course, Type A 10" (SQ YD)		Argus Drive	3639	US Bus. 20 (E. State St.)	3421
21101615 - Topsoil Furnish and Place, 4" (SQ YD)		Bell School Road (South)	342	US Bus. 20 (E. State St.)	4291	Total	8053
Bell School Road	6050	Bell School Road (North)	468	Total	10212		
Walton Street and Argus Drive	2075	Burger King Drivethrough	279			54200223 - Pipe Culverts, Class D, Type 1 18" (FOOT)	
US Bus. 20 (E. State St.)	3450	Argus Drive	107	42400800 - Detectable Warnings (SQ FT)		US Bus. 20 (E. State St.)	89
Total	11575	Total	1196	Bell School Road (South)	156	Total	89
				Bell School Road (North)	87		
25000110 - Seeding, Class 1A (ACRE)				Walton Street	60	54213660 - Precast Reinforced Concrete Flared End Sections 15" (EACH)	
Bell School Road (South)	0.75	35101100 - Aggregate Base Course, Type A 12" (SQ YD)		Potawatomi Trail	62	US Bus. 20 (E. State St.)	1
US Bus. 20 (E. State St.)	0.50	Walton Street	2648	US Bus. 20 (E. State St.)	260	Total	1
Total	1.25	Argus Drive	567	Total	625		
		Total	3215			54213669 - Precast Reinforced Concrete Flared End Sections 24" (EACH)	
25000400 - Nitrogen Fertilizer Nutrient (POUND)		35101350 - Aggregate Base Course, Type A 15" (SQ YD)				US Bus. 20 (E. State St.)	1
Bell School Road (South)	67.50	Bell School Road (South)	9709	44000100 - Pavement Removal (SQ YD)		Total	1
US Bus. 20 (E. State St.)	45.00	US Bus. 20 (E. State St.)	417	Bell School Road (South)	3746		
Total	112.50	Total	10126	Bell School Road (North)	1073	550A0050 - Storm Sewers, Class A, Type 1 12" (FOOT)	
				Walton Street	2442	Bell School Road (South)	487
25000500 - Phosphorus Fertilizer Nutrient (POUND)		40600275 - Bituminous Materials (Prime Coat) (POUNDS)		Argus Drive	185	Bell School Road (North)	128
Bell School Road (South)	67.50	Bell School Road (South)	33439	Potawatomi Trail	112	Walton Street	32
US Bus. 20 (E. State St.)	45.00	Bell School Road (North)	559	Burger King Drivethrough	218	US Bus. 20 (E. State St.)	71
Total	112.50	Burger King Drivethrough	839	US Bus. 20 (E. State St.)	1065	Total	718
		Walton Street	10240				
25000600 - Potassium Fertilizer Nutrient (POUND)		Argus Drive	5260	44000200 - Driveway Pavement Removal (SQ YD)			
Bell School Road (South)	67.50	US Bus. 20 (E. State St.)	3989	Bell School Road (South)	307	550A0070 - Storm Sewers, Class A, Type 1 15" (FOOT)	
US Bus. 20 (E. State St.)	45.00	Total	54326	Total	307	Bell School Road (South)	414
Total	112.50					Walton Street	164
		40600982 - Hot-Mix Asphalt Surface Removal - Butt Joint (SQ YD)				US Bus. 20 (E. State St.)	46
25100630 - Erosion Control Blanket (SQ YD)		Bell School Road (South)	317			Total	624
Bell School Road (South)	2641	Argus Drive	107	44000300 - Curb Removal (FOOT)			
US Bus. 20 (E. State St.)	2349	Potawatomi Trail	169	Potawatomi Trail	10	550A0090 - Storm Sewers, Class A, Type 1 18" (FOOT)	
Total	4990	Total	593	Total	10	Bell School Road (South)	440
						Total	440
25200100 - Sodding (SQ YD)		40603080 - Hot-Mix Asphalt Binder Course, IL-19.0, NS0 (TON)					
Bell School Road (South)	1128	Burger King Drivethrough	23	44000500 - Combination Curb and Gutter Removal (FOOT)		550A0110 - Storm Sewers, Class A, Type 1 21" (FOOT)	
Bell School Road (North)	1281	Walton Street	1111	Bell School Road (South)	2330	US Bus. 20 (E. State St.)	60
Walton Street	564	Argus Drive	193	Bell School Road (North)	1024	Total	60
Argus Drive	196	US Bus. 20 (E. State St.)	161	Walton Street	634		
Potawatomi Trail	1313	Total	1488	Argus Drive	449	550A0120 - Storm Sewers, Class A, Type 1 24" (FOOT)	
US Bus. 20 (E. State St.)	1006			Potawatomi Trail	328	Bell School Road (South)	195
Total	5488	40603085 - Hot-Mix Asphalt Binder Course, IL-19.0, N70 (TON)		Burger King Drivethrough	99	Total	195
		Argus Drive	11	US Bus. 20 (E. State St.)	681		
28000250 - Temporary Erosion Control Seeding (POUND)		Total	11	Total	5545	550A2360 - Storm Sewers, Rubber Gasket, Class A, Type 1 24" (FOOT)	
Bell School Road	125					US Bus. 20 (E. State St.)	152
Walton Street and Argus Drive	50	44000600 - Sidewalk Removal (SQ FT)		44003100 - Median Removal (SQ FT)		Total	152
US Bus. 20 (E. State St.)	75	Bell School Road (North)	2751	Bell School Road (North)	2751		
Total	250	US Bus. 20 (E. State St.)	289	US Bus. 20 (E. State St.)	289		
		Total	3040	Total	3040		

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FILE NAME =	USER NAME = #USER#	DESIGNED = DPA	REVISED =
#FILES#		DRAWN = MWH	REVISED =
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SCHEDULE OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	10
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

55100500 - Storm Sewer Removal, 12" (FOOT) Bell School Road (South) 277 Total 277	60604400 - Combination Concrete Curb and Gutter, Type B-6.18 (FOOT) Bell School Road (South) 2471 Bell School Road (North) 250 Burger King Drivethrough 268 Walton Street 167 Argus Drive 168 US Bus. 20 (E. State St.) 286 Total 3610	78000100 - Thermoplastic Pavement Marking - Letters and Symbols (SQ FT) Bell School Road (South) 339 Walton Street 124 Argus Drive 93 Total 556	80400100 - Electric Service Installation (EACH) Roadway Lighting 1 Total 1
55100700 - Storm Sewer Removal, 15" (FOOT) Bell School Road (South) 86 Walton Street 82 Total 168	60605000 - Combination Concrete Curb and Gutter, Type B-6.24 (FOOT) Bell School Road (South) 821 Bell School Road (North) 617 Walton Street 460 Argus Drive 474 US Bus. 20 (E. State St.) 1209 Total 3581	78000200 - Thermoplastic Pavement Marking - Line 4" (FOOT) Bell School Road (South) 3816 Walton Street 930 Argus Drive 773 Total 5519	80500100 - Service Installation, Type A (EACH) Walton Street 1 Argus Drive 1 US Bus. 20 (E. State St.) 1 Total 3
55100900 - Storm Sewer Removal, 18" (FOOT) Bell School Road (South) 404 Bell School Road (North) 34 Walton Street 25 US Bus. 20 (E. State St.) 25 Total 488	60607400 - Combination Concrete Curb and Gutter, Type B-9.24 (FOOT) Bell School Road (South) 166 Total 166	78000400 - Thermoplastic Pavement Marking - Line 6" (FOOT) Bell School Road (South) 455 Walton Street 301 Argus Drive 110 US Bus. 20 (E. State St.) 94 Total 960	81028720 - Underground Conduit, Coilable Non-Metallic Conduit, 1" Dia. (FOOT) Roadway Lighting 6500 Total 6500
56400200 - Fire Hydrants to be Moved (Special) (EACH) Bell School Road (South) 1 Bell School Road (North) 1 US Bus. 20 (E. State St.) 3 Total 5	60618300 - Concrete Median Surface, 4 Inch (SQ FT) Bell School Road (South) 1176 Potawotomi Trail 564 US Bus. 20 (E. State St.) 1303 Total 3043	78000500 - Thermoplastic Pavement Marking - Line 8" (FOOT) Bell School Road (South) 2188 Walton Street 399 Argus Drive 136 US Bus. 20 (E. State St.) 110 Total 2833	81028730 - Underground Conduit, Coilable Non-Metallic Conduit, 1 1/4" Dia. (FOOT) Walton Street 30 Argus Drive 5 US Bus. 20 (E. State St.) 43 Total 78
56400300 - Fire Hydrants to be Adjusted (EACH) US Bus. 20 (E. State St.) 1 Total 1	60619600 - Concrete Median, Type SB-6.12 (SQ FT) Bell School Road (South) 1789 Bell School Road (North) 2604 Total 4393	78000600 - Thermoplastic Pavement Marking - Line 12" (FOOT) Bell School Road (South) 919 Walton Street 208 Argus Drive 155 US Bus. 20 (E. State St.) 205 Total 1487	81028740 - Underground Conduit, Coilable Non-Metallic Conduit, 1 1/2" Dia. (FOOT) Walton Street 34 US Bus. 20 (E. State St.) 45 Total 79
60107600 - Pipe Underdrains 4" (FOOT) Bell School Road (South) 139 US Bus. 20 (E. State St.) 12 Total 151	60624600 - Corrugated Median (SQ FT) US Bus. 20 (E. State St.) 100 Total 100	78000650 - Thermoplastic Pavement Marking - Line 24" (FOOT) Bell School Road (South) 180 Walton Street 70 Argus Drive 56 US Bus. 20 (E. State St.) 36 Total 342	81028750 - Underground Conduit, Coilable Non-Metallic Conduit, 2" Dia. (FOOT) Bell School Road Fiber 2630 Walton Street 289 Argus Drive 351 US Bus. 20 (E. State St.) 526 Total 3796
60221100 - Manholes, Type A, 5'-Diameter, Type 1 Frame, Closed Lid (EACH) Bell School Road (South) 1 Total 1	66400105 - Chain Link Fence, 4' (FOOT) US Bus. 20 (E. State St.) 170 Total 170	78005100 - Epoxy Pavement Marking - Letters and Symbols (SQ FT) Bell School Road (North) 201 US Bus. 20 (E. State St.) 247 Total 448	81028770 - Underground Conduit, Coilable Non-Metallic Conduit, 3" Dia. (FOOT) Bell School Road Fiber 207 Walton Street 62 Argus Drive 101 Total 370
60252800 - Catch Basins to be Reconstructed (EACH) Bell School Road (South) 2 Total 2	70300100 - Short-Term Pavement Marking (FOOT) Bell School Road 3992 Walton Street and Argus Drive 1253 US Bus. 20 (E. State St.) 4154 Total 9399	78005110 - Epoxy Pavement Marking - Line 4" (FOOT) Bell School Road (North) 280 US Bus. 20 (E. State St.) 6452 Total 6732	81028780 - Underground Conduit, Coilable Non-Metallic Conduit, 3 1/2" Dia. (FOOT) Walton Street 188 US Bus. 20 (E. State St.) 62 Total 250
60257900 - Manholes to be Reconstructed (EACH) Bell School Road (South) 1 Total 1	70300210 - Temporary Pavement Marking - Letters and Symbols (FOOT) Bell School Road 594 Walton Street and Argus Drive 0 US Bus. 20 (E. State St.) 0 Total 594	78005130 - Epoxy Pavement Marking - Line 6" (FOOT) Bell School Road (North) 396 US Bus. 20 (E. State St.) 549 Total 945	81028790 - Underground Conduit, Coilable Non-Metallic Conduit, 4" Dia. (FOOT) Argus Drive 75 US Bus. 20 (E. State St.) 321 Total 396
60260100 - Inlets to be Adjusted (EACH) Walton Street 1 Total 1	70300220 - Temporary Pavement Marking - Line 4" (FOOT) Bell School Road 32724 Walton Street and Argus Drive 6435 US Bus. 20 (E. State St.) 6771 Total 45930	78005140 - Epoxy Pavement Marking - Line 8" (FOOT) Bell School Road (North) 1182 US Bus. 20 (E. State St.) 1835 Total 3017	81028800 - Underground Conduit, Coilable Non-Metallic Conduit, 5" Dia. (FOOT) Walton Street 144 Argus Drive 122 US Bus. 20 (E. State St.) 241 Total 507
60263000 - Inlets to be Reconstructed with New Type 1 Frame, Closed Lid (EACH) Bell School Road (North) 2 Walton Street 1 US Bus. 20 (E. State St.) 2 Total 5	70300280 - Temporary Pavement Marking - Line 24" (FOOT) Bell School Road 291 Walton Street and Argus Drive 67 US Bus. 20 (E. State St.) 81 Total 439	78005150 - Epoxy Pavement Marking - Line 12" (FOOT) Bell School Road (North) 441 US Bus. 20 (E. State St.) 965 Total 1406	81400100 - Handhole (EACH) Walton Street 4 Argus Drive 3 US Bus. 20 (E. State St.) 7 Total 14
60265700 - Valve Vaults to be Adjusted (EACH) Bell School Road (South) 1 Bell School Road (North) 6 US Bus. 20 (E. State St.) 10 Total 17	70301000 - Work Zone Pavement Marking Removal (SQ FT) Bell School Road 11490 Walton Street and Argus Drive 2279 US Bus. 20 (E. State St.) 2419 Total 16188	78005180 - Epoxy Pavement Marking - Line 24" (FOOT) Bell School Road (North) 122 US Bus. 20 (E. State St.) 137 Total 259	81400300 - Double Handhole (EACH) Walton Street 1 Argus Drive 1 US Bus. 20 (E. State St.) 1 Total 3
60266600 - Valve Boxes to be Adjusted (EACH) Bell School Road (South) 2 US Bus. 20 (E. State St.) 1 Total 3	72400100 - Remove Sign Panel Assembly - Type A (EACH) Bell School Road (South) 6 Bell School Road (North) 1 Walton Street 3 Argus Drive 3 Total 13	78100100 - Raised Reflective Pavement Marker (EACH) Bell School Road (North) 57 Bell School Road (South) 213 Walton Street 54 Argus Drive 6 Total 330	81400730 - Handhole, Composite Concrete (EACH) Bell School Road Fiber Ducts 8 Roadway Lighting 8 Total 16
60500040 - Removing Manholes (EACH) Bell School Road (South) 2 Total 2	72400500 - Relocate Sign Panel Assembly - Type A (EACH) Bell School Road (South) 5 Bell School Road (North) 1 Argus Drive 1 Potawotomi Trail 1 US Bus. 20 (E. State St.) 4 Total 12	78300100 - Pavement Marking Removal (SQ FT) Bell School Road (North) 526 US Bus. 20 (E. State St.) 3290 Total 3816	81702110 - Electric Cable in Conduit, 600V (XLP-Type Use) 1/C No. 10 (FOOT) Roadway Lighting 29500 Total 29500
60500060 - Removing Inlets (EACH) Bell School Road (South) 3 Bell School Road (North) 1 Total 4	60603500 - Combination Concrete Curb and Gutter, Type B-6.06 (FOOT) Argus Drive 30 US Bus. 20 (E. State St.) 179 Total 209		
60603800 - Combination Concrete Curb and Gutter, Type B-6.12 (FOOT) Argus Drive 47 Total 47			

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SCHEDULE OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	11
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SCHEDULE OF QUANTITIES

81702417 - Electric Cable In Conduit, 600V (XLP-Type Use), 3-1/C No. 6, 1C No. 6 Ground (FOOT)	
Walton Street	1007
Argus Drive	871
US Bus. 20 (E. State St.)	1226
Total	3104
82500360 - Lighting Controller, Base Mounted, 480 Volt, 100 Amp (EACH)	
Roadway Lighting	1
Total	1
83600300 - Light Pole Foundation, 30" Diameter (EACH)	
Roadway Lighting	49
Total	49
83800650 - Break Away Device Coupling With Stainless Steel Screen (EACH)	
Roadway Lighting	196
Total	196
85100500 - Paint New Traffic Signal Post (EACH)	
Walton Street	3
Argus Drive	2
US Bus. 20 (E. State St.)	4
Total	9
85100800 - Paint New Combination Mast Arm and Pole, Under 40 ft. (EACH)	
Argus Drive	1
US Bus. 20 (E. State St.)	1
Total	2
85100901 - Paint New Combination Mast Arm and Pole, Over 40 ft. (EACH)	
Walton Street	4
Argus Drive	3
US Bus. 20 (E. State St.)	3
Total	10
85700200 - Full-Actuated Controller and Type IV Cabinet (EACH)	
Walton Street	1
Argus Drive	1
US Bus. 20 (E. State St.)	1
Total	3
87100110 - Fiber Optic Cable in Conduit, No. 62/125, 6F (FOOT)	
Walton Street	491
Argus Drive	510
US Bus. 20 (E. State St.)	368
Total	1369
87300925 - Electric Cable in Conduit, Tracer, No. 14 1C (FOOT)	
Bell School Road	2682
Total	2682
87301215 - Electric Cable in Conduit, Signal No. 14 2C (FOOT)	
Walton Street	1206
Argus Drive	444
US Bus. 20 (E. State St.)	4071
Total	5721
87301225 - Electric Cable in Conduit, Signal No. 14 3C (FOOT)	
Walton Street	1206
Argus Drive	569
US Bus. 20 (E. State St.)	4071
Total	5846
87301245 - Electric Cable in Conduit, Signal No. 14 5C (FOOT)	
Walton Street	1672
Argus Drive	1070
US Bus. 20 (E. State St.)	2284
Total	5026
87301255 - Electric Cable in Conduit, Signal No. 14 7C (FOOT)	
Walton Street	1975
Argus Drive	1999
US Bus. 20 (E. State St.)	4546
Total	8520
87301805 - Electric Cable in Conduit, Service No. 6 2C (FOOT)	
Walton Street	184
Argus Drive	169
US Bus. 20 (E. State St.)	94
Total	447

87502500 - Traffic Signal Post, Galvanized Steel 16 ft. (EACH)	
Walton Street	3
Argus Drive	2
US Bus. 20 (E. State St.)	4
Total	9
87702690 - Steel Mast Arm Assembly and Pole with Dual Mast Arms, 44 ft. and 42 ft. (EACH)	
Argus Drive	1
Total	1
87702900 - Steel Combination Mast Arm Assembly and Pole 34 ft. (EACH)	
Argus Drive	1
Total	1
87702910 - Steel Combination Mast Arm Assembly and Pole 36 ft. (EACH)	
US Bus. 20 (E. State St.)	1
Total	1
87702930 - Steel Combination Mast Arm Assembly and Pole 40 ft. (EACH)	
Walton Street	2
Argus Drive	1
Total	3
87702980 - Steel Combination Mast Arm Assembly and Pole 50 ft. (EACH)	
US Bus. 20 (E. State St.)	1
Total	1
87702990 - Steel Combination Mast Arm Assembly and Pole 54 ft. (EACH)	
US Bus. 20 (E. State St.)	2
Total	2
87703020 - Steel Combination Mast Arm Assembly and Pole 58 ft. (EACH)	
Walton Street	1
Total	1
87703070 - Steel Combination Mast Arm Assembly and Pole 66 ft. (EACH)	
Walton Street	1
Total	1
87800100 - Concrete Foundation, Type A (FOOT)	
Walton Street	9
Argus Drive	6
US Bus. 20 (E. State St.)	12
Total	27
87800200 - Concrete Foundation, Type D (FOOT)	
Walton Street	3.5
Argus Drive	3.5
US Bus. 20 (E. State St.)	3.5
Total	10.5
87800400 - Concrete Foundation, Type E 30-Inch Diameter (FOOT)	
Walton Street	10
Total	10
87800415 - Concrete Foundation, Type E 36-Inch Diameter (FOOT)	
Walton Street	13
Argus Drive	37
US Bus. 20 (E. State St.)	54
Total	104
87800420 - Concrete Foundation, Type E 42-Inch Diameter (FOOT)	
Walton Street	46
Total	46
88030020 - Signal Head, LED, 1-Face, 3-Section, Mast Arm Mounted (EACH)	
Walton Street	7
Argus Drive	6
US Bus. 20 (E. State St.)	9
Total	22
88030100 - Signal Head, LED, 1-Face, 5-Section, Bracket Mounted (EACH)	
Walton Street	5
Argus Drive	6
US Bus. 20 (E. State St.)	12
Total	23

88030110 - Signal Head, LED, 1-Face, 5-Section, Mast Arm Mounted (EACH)	
Walton Street	4
Argus Drive	4
US Bus. 20 (E. State St.)	5
Total	13
88102825 - Pedestrian Signal Head, Polycarbonate, LED, 1-Face, Bracket Mounted with Count Down T	
Walton Street	6
Argus Drive	6
US Bus. 20 (E. State St.)	16
Total	28
88200100 - Traffic Signal Backplate (EACH)	
Walton Street	11
Argus Drive	10
US Bus. 20 (E. State St.)	14
Total	35
88800100 - Pedestrian Push Button (EACH)	
Walton Street	6
Argus Drive	6
US Bus. 20 (E. State St.)	16
Total	28
89000100 - Temporary Traffic Signal Installation (EACH)	
US Bus. 20 (E. State St.)	1
Total	1
89502375 - Remove Existing Traffic Signal Equipment (EACH)	
Walton Street	1
Argus Drive	1
US Bus. 20 (E. State St.)	1
Total	3
89502380 - Remove Existing Handhole (EACH)	
Bell School Road (South)	1
Bell School Road (North)	2
US Bus. 20 (E. State St.)	9
Total	12
89502385 - Remove Existing Concrete Foundation (EACH)	
Bell School Road	2
Total	2
C2C05824 - Shrub, Rhus Aromatica Gro-Low (Gro-Low Fragrant Sumac), 2' Width, Container (EACH)	
Bell School Road (South)	55
Total	55
C2C09918 - Shrub, Spirea X Bumalda Goldflame (Gold Flame Bumald Spirea), 18" Height, Container (EACH)	
Bell School Road (South)	43
Total	43
K0012030 - Perennial Plants, Prairie Type, Gallon Pot (UNIT)	
Bell School Road (South)	0.6
Total	0.6
K0036120 - Mulch Placement 4" (SQ YD)	
Bell School Road (South)	50
Total	50
X0300015 - Concrete Wingwall Removal (EACH)	
US Bus. 20 (E. State St.)	2
Total	2
X0322916 - Proposed Storm Sewer Connection to Existing Storm Sewer (EACH)	
US Bus. 20 (E. State St.)	2
Total	2
X0322917 - Proposed Storm Sewer Connection to Existing Manhole (EACH)	
US Bus. 20 (E. State St.)	1
Bell School Road (South)	2
Total	3

X0322936 - Remove Existing Flared End Section (EACH)	
Bell School Road (South)	8
Walton Street	2
US Bus. 20 (E. State St.)	2
Total	12
X0327036 - Bike Path Removal (SQ YD)	
Bell School Road (South)	841
Bell School Road (North)	515
Walton Street	388
Argus Drive	16
US Bus. 20 (E. State St.)	82
Total	1842
X1400012 - Remove and Reinstall Fiber Optic Cable in Conduit	
US Bus. 20 (E. State St.)	994
Total	994
X4080052 - Incidental Hot-Mix Asphalt Surfacing (Special) (TON)	
Bell School Road (South)	300
Total	300
X4400110 - Temporary Pavement Removal (SQ YD)	
Bell School Road	384
US Bus. 20 (E. State St.)	254
Total	638
X4400196 - Hot-Mix Asphalt Surface Removal, Special (SQ YD)	
Argus Drive	275
Total	275
X4402020 - Concrete Median Surface Removal (SQ FT)	
Bell School Road (South)	802
Bell School Road (North)	301
Walton Street	28
Potawatom Trail	625
US Bus. 20 (E. State St.)	961
Total	2717
X6024210 - Double Inlets, Special (EACH)	
Bell School Road (South)	2
Total	2
X6024240 - Inlets, Special (EACH)	
Bell School Road (North)	1
Total	1
X6024242 - Inlets, Special No. 1 (EACH)	
Potawatom Trail	1
Total	1
X6024244 - Inlets, Special No. 2 (EACH)	
Walton Street	1
Total	1
X6024246 - Inlets, Special No. 3 (EACH)	
Bell School Road (South)	3
Walton Street	2
Total	5
X6024250 - Inlets, Special No. 5 (EACH)	
Bell School Road (South)	7
Bell School Road (North)	1
Walton Street	1
US Bus. 20 (E. State St.)	2
Total	11
X6024252 - Inlets, Special No. 6 (EACH)	
Bell School Road (South)	1
Walton Street	1
Total	2
X6026050 - Sanitary Manholes To Be Adjusted (EACH)	
Bell School Road (North)	1
US Bus. 20 (E. State St.)	1
Total	2

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SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	12
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SCHEDULE OF QUANTITIES

X6026051 - Sanitary Manholes To Be Reconstructed (EACH)		Z0050600 - Remove and Reset Ornamental Fence (FOOT)	
US Bus. 20 (E. State St.)	1	US Bus. 20 (E. State St.)	35.8
Total	1	Total	35.8
X6061930 - Concrete Median, Type SB-6.18 (Modified) (SQ FT)		Z0054400 - Rock Fill (CU YD)	
Bell School Road (North)	97	Bell School Road	1530
Total	97	Walton Street	430
		Argus Drive	100
		US Bus. 20 (E. State St.)	260
		US Bus. 20 Bike Path	120
		Total	2440
X8100105 - Conduit Splice (EACH)		Z0062456 - Temporary Pavement (SQ YD)	
US Bus. 20 (E. State St.)	2	Bell School Road	384
Total	2	US Bus. 20 (E. State St.)	254
		Total	638
X8140115 - Handhole to be Adjusted (EACH)			
US Bus. 20 (E. State St.)	1		
Total	1		
X8211125 - Luminaire, LED, Horizontal Mount, Special (EACH)			
Roadway Lighting	66		
Total	66		
X8870300 - Emergency Vehicle Priority System (EACH)			
Walton Street	1		
Argus Drive	1		
US Bus. 20 (E. State St.)	1		
Total	3		
X8950105 - Remove Existing Traffic Controller and Cabinet (EACH)			
US Bus. 20 (E. State St.)	1		
Total	1		
XX002182 - Street Name Sign Mast Arm Mount (EACH)			
Walton Street	4		
Argus Drive	4		
US Bus. 20 (E. State St.)	4		
Total	12		
XX002185 - Relocate Existing Light Pole (EACH)			
Bell School Road (South)	1		
Bell School Road (North)	1		
Total	2		
XX003653 - Special Structure, SP-1 (EACH)			
US Bus. 20 (E. State St.)	1		
Total	1		
XX006066 - Sign To Be Relocated (EACH)			
Bell School Road (North)	1		
Total	1		
XX007002 - Lighting Unit, Aluminum, Complete, 40' and 16' M.H., Dual Luminaire Arms (Special)			
Roadway Lighting	10		
Total	10		
XX007003 - Lighting Unit, Aluminum, Complete, 40' M.H., Single Luminaire Arm (Special)			
Roadway Lighting	39		
Total	39		
XX007797 - Luminaire, Special (EACH)			
Roadway Lighting	4		
Total	4		
XZ127900 - Retaining Wall Removal (FOOT)			
Bell School Road (North)	31.1		
Total	31.1		
Z0033072 - Video Vehicle Detection System (EACH)			
Walton Street	1		
Argus Drive	1		
US Bus. 20 (E. State St.)	1		
Total	3		
Z0043750 - Precast Modular Block Wall (SQ FT)			
Bell School Road (South)	884		
Bell School Road (North)	571		
US Bus. 20 (E. State St.)	1100		
Total	2555		

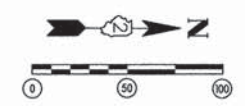
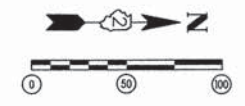
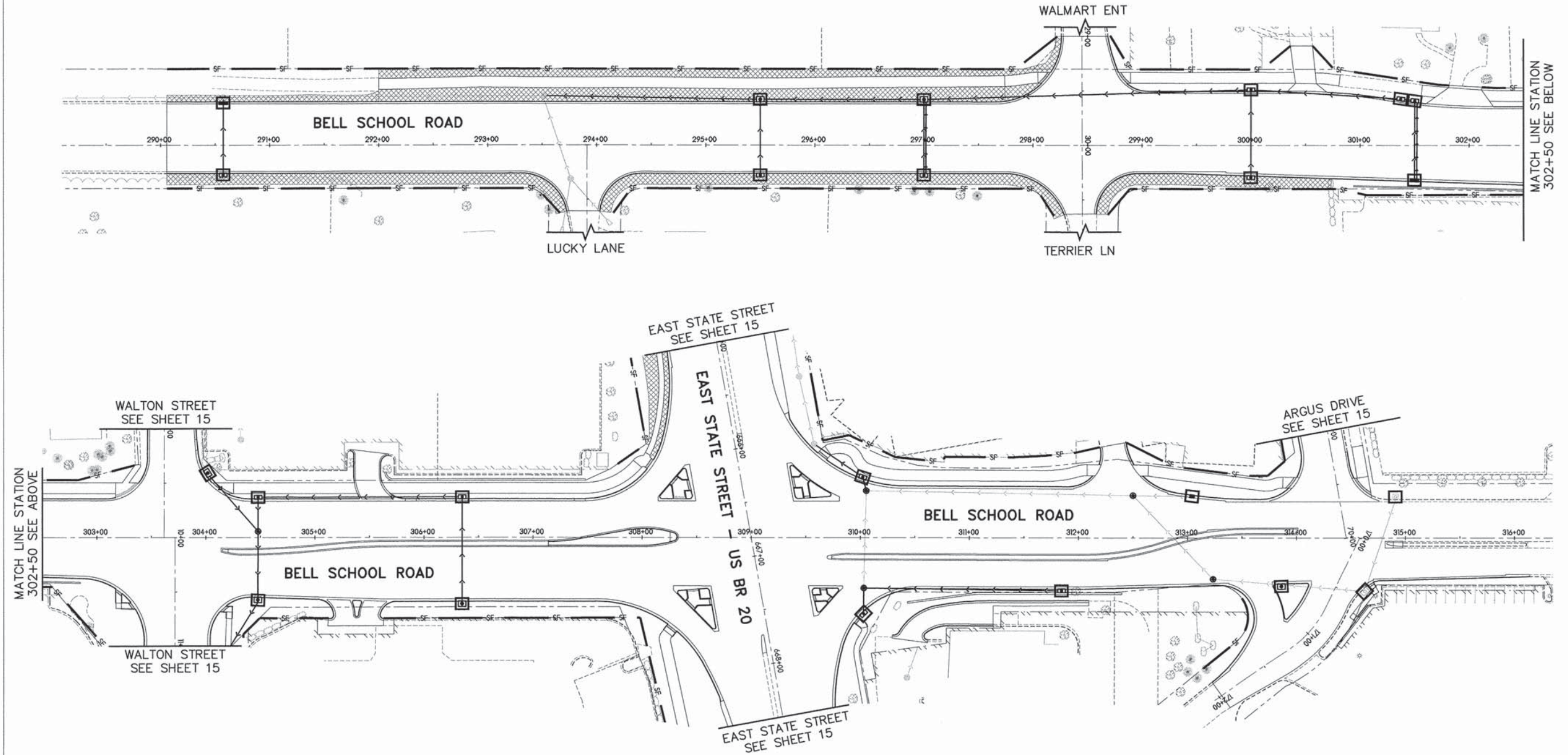
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	13
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LEGEND

	EROSION CONTROL BLANKET
	INLET PROTECTION
	PERIMETER EROSION BARRIER (SILT FENCE)

AT LOCATIONS WHERE EROSION CONTROL BLANKET IS NOT SHOWN, AREAS SHALL RECEIVE SOD OR HARDWOOD MULCH. SEE RESTORATION PLAN

LAYOUT	MWH	12/10/10
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REVIEWED	DPA	02/12/13





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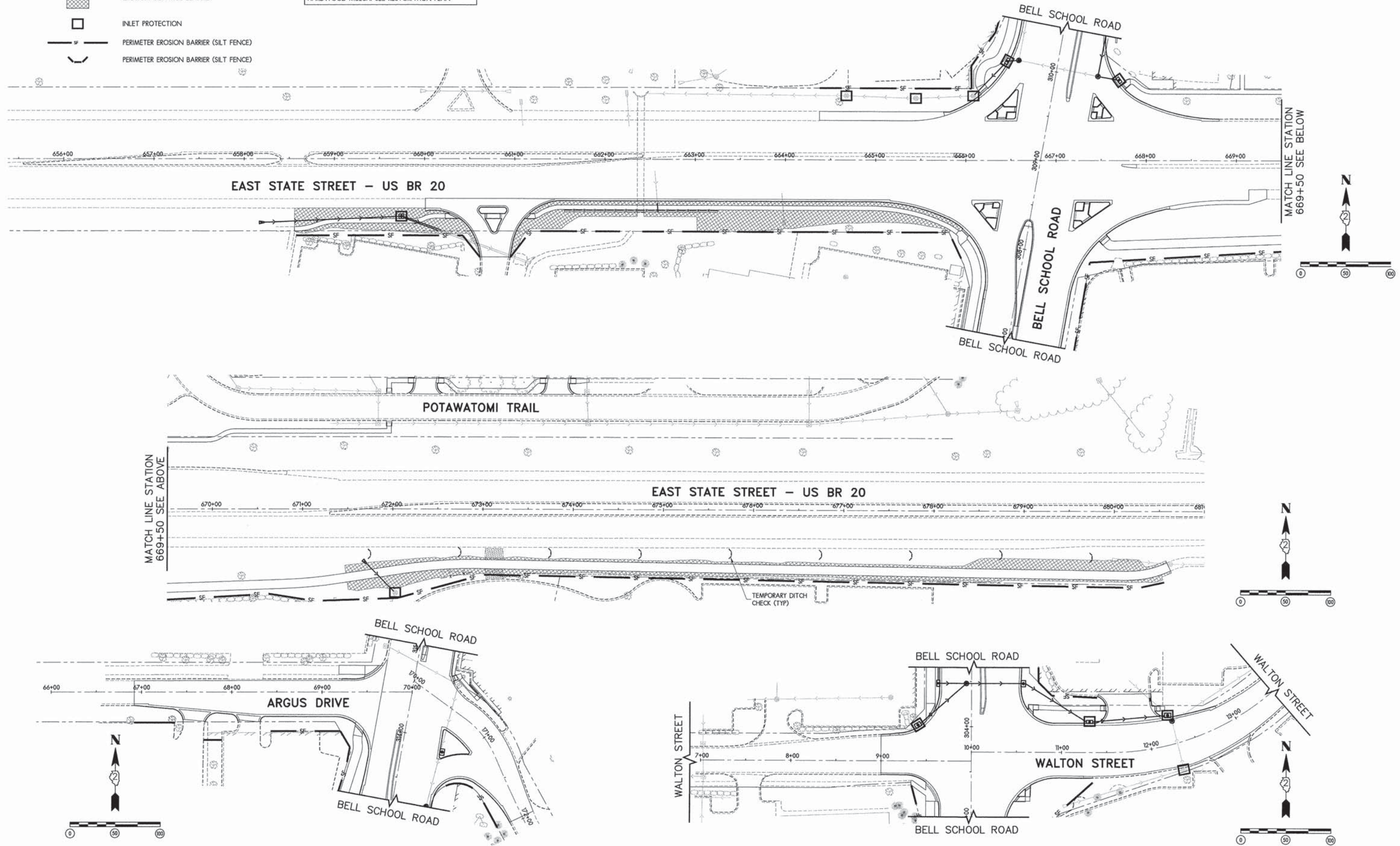
EROSION CONTROL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	14
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ILLINOIS FED. AID PROJECT				

LEGEND

-  EROSION CONTROL BLANKET
-  INLET PROTECTION
-  PERIMETER EROSION BARRIER (SILT FENCE)
-  PERIMETER EROSION BARRIER (SILT FENCE)

AT LOCATIONS WHERE EROSION CONTROL BLANKET IS NOT SHOWN, AREAS SHALL RECEIVE SOD OR HARDWOOD MULCH. SEE RESTORATION PLAN



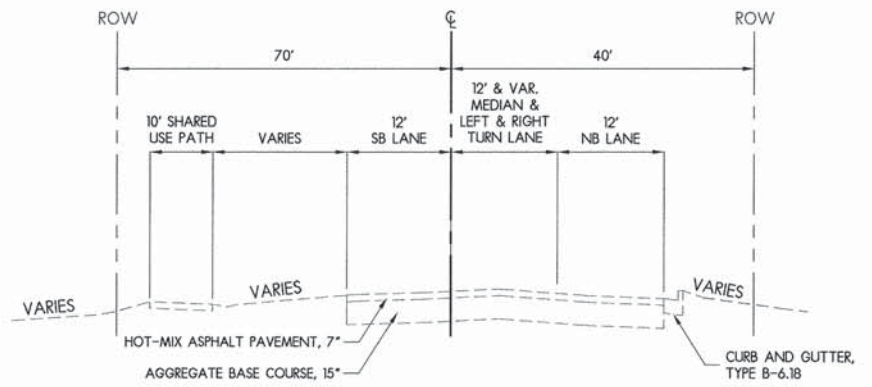
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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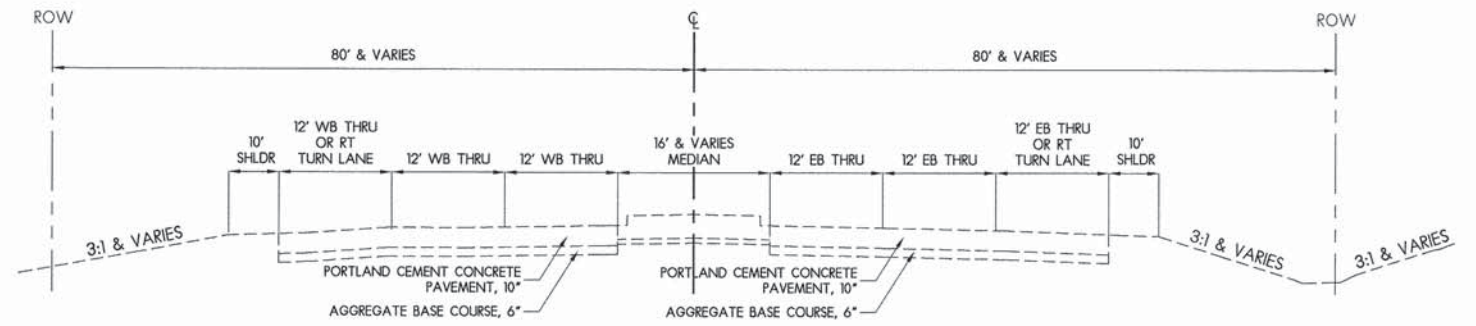
EROSION CONTROL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	15
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



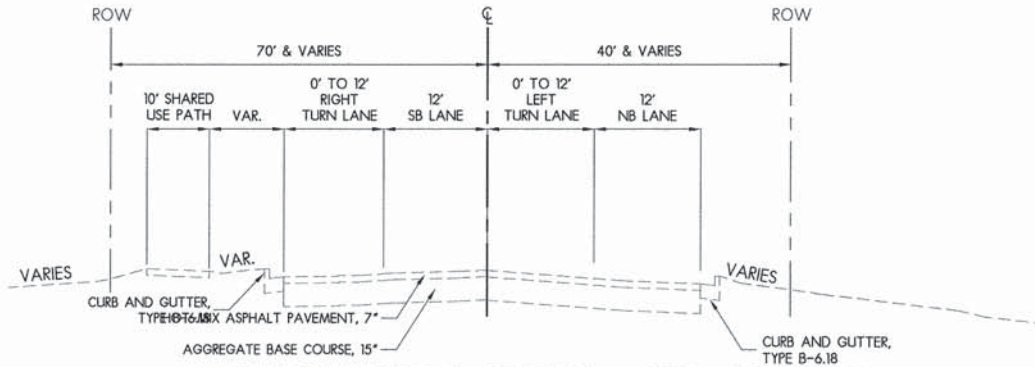
EXISTING TYPICAL SECTION - BELL SCHOOL ROAD

STA. 290+05.75 - STA. 298+45.09



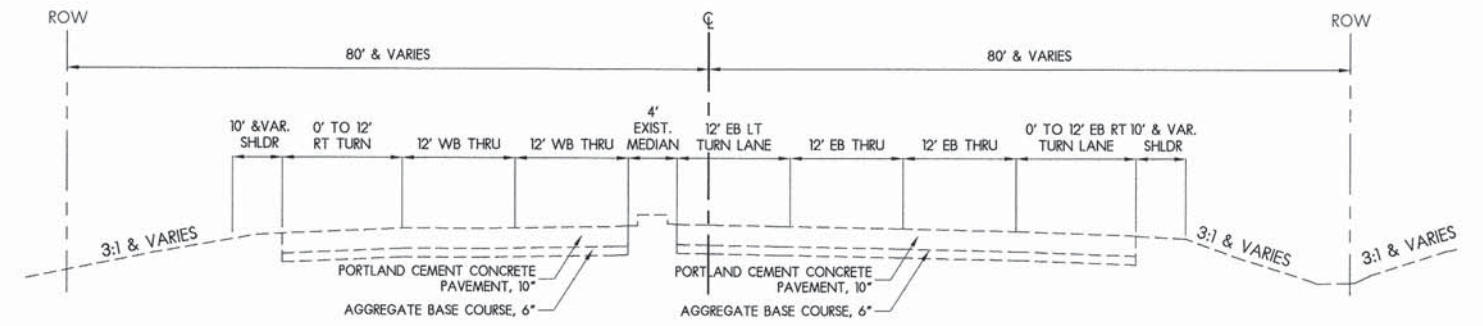
EXISTING PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 658+55.88 - STA. 661+51.77



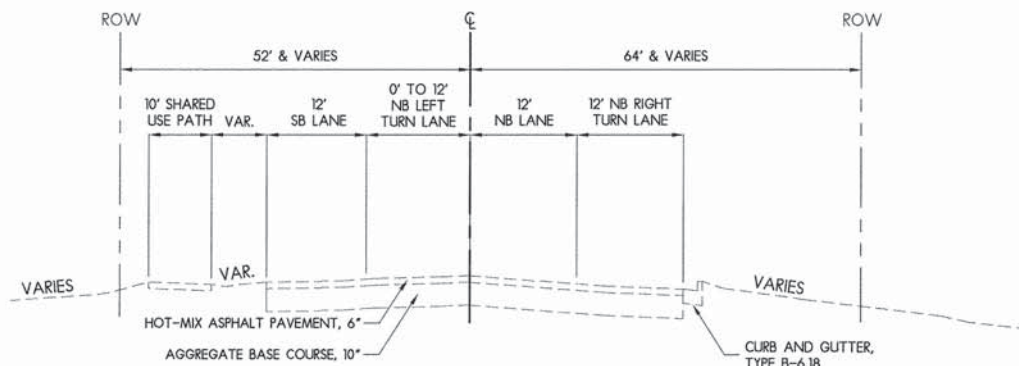
EXISTING TYPICAL SECTION - BELL SCHOOL ROAD

STA. 298+45.09 - STA. 303+71.83



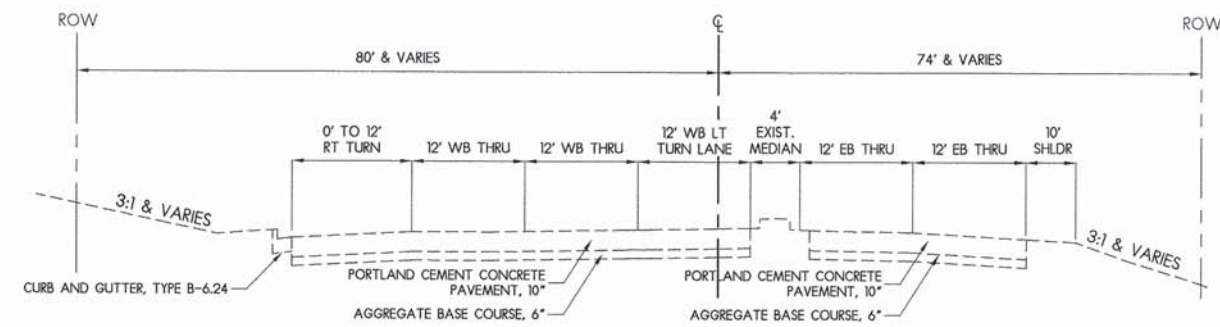
EXISTING PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 661+51.77 - STA. 666+82.70



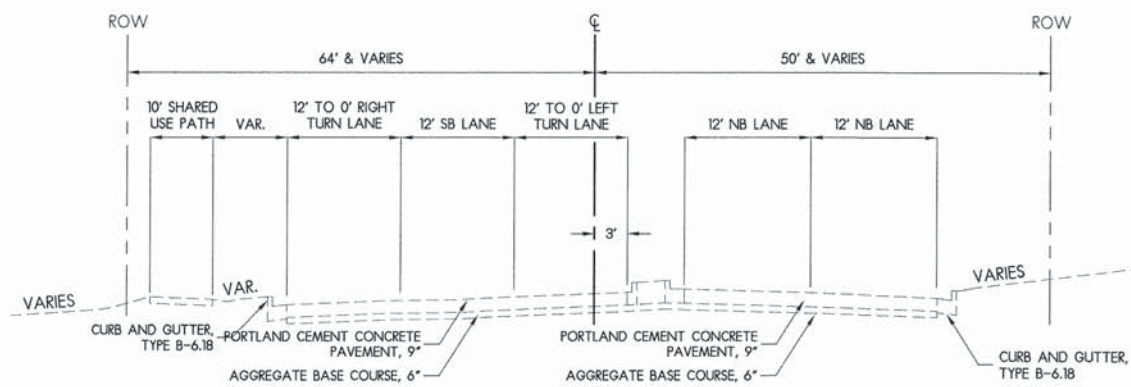
EXISTING TYPICAL SECTION - BELL SCHOOL ROAD

STA. 303+71.83 - STA. 309+00.00



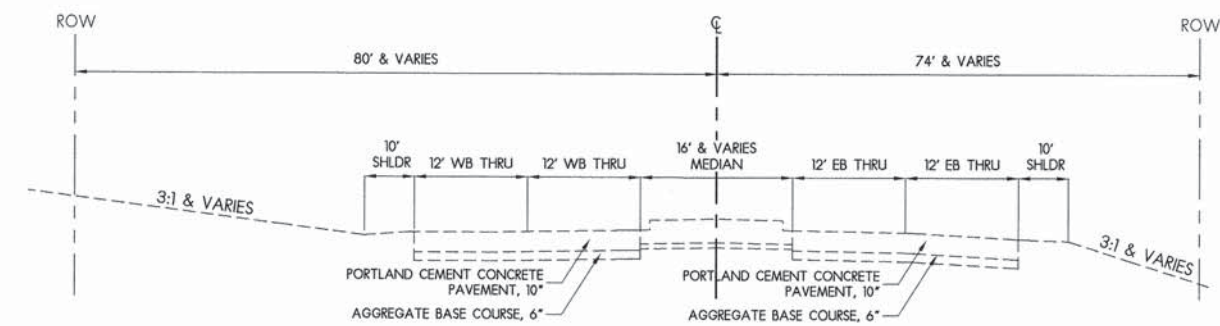
EXISTING PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 666+82.70 - STA. 671+39.94



EXISTING TYPICAL SECTION - BELL SCHOOL ROAD

STA. 309+00.00 - STA. 316+24.00



EXISTING PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 671+39.94 - STA. 680+51.84

12/09/10
12/12/13
12/12/13
12/12/13

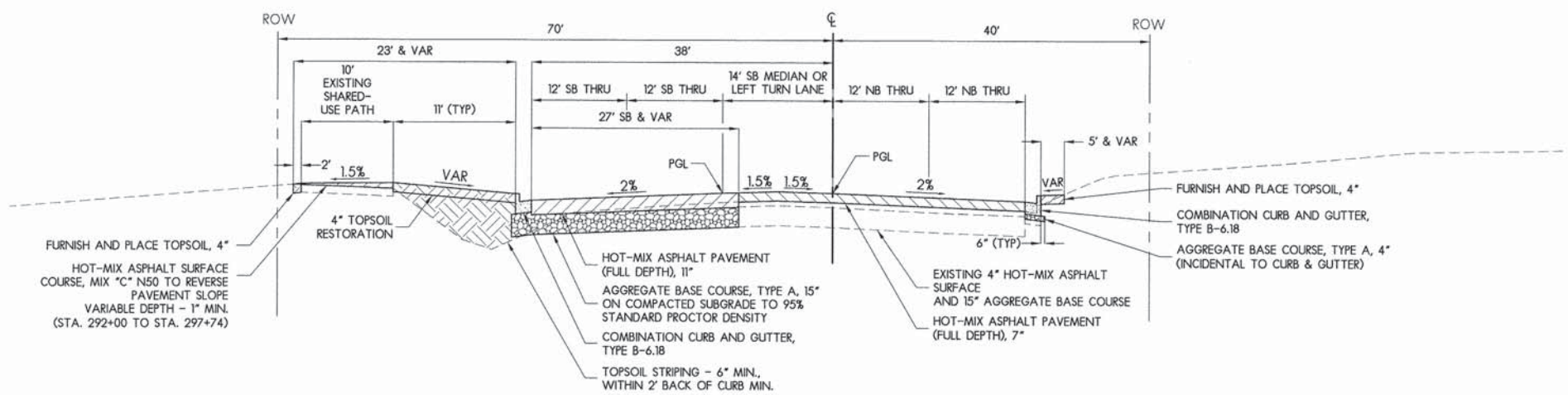
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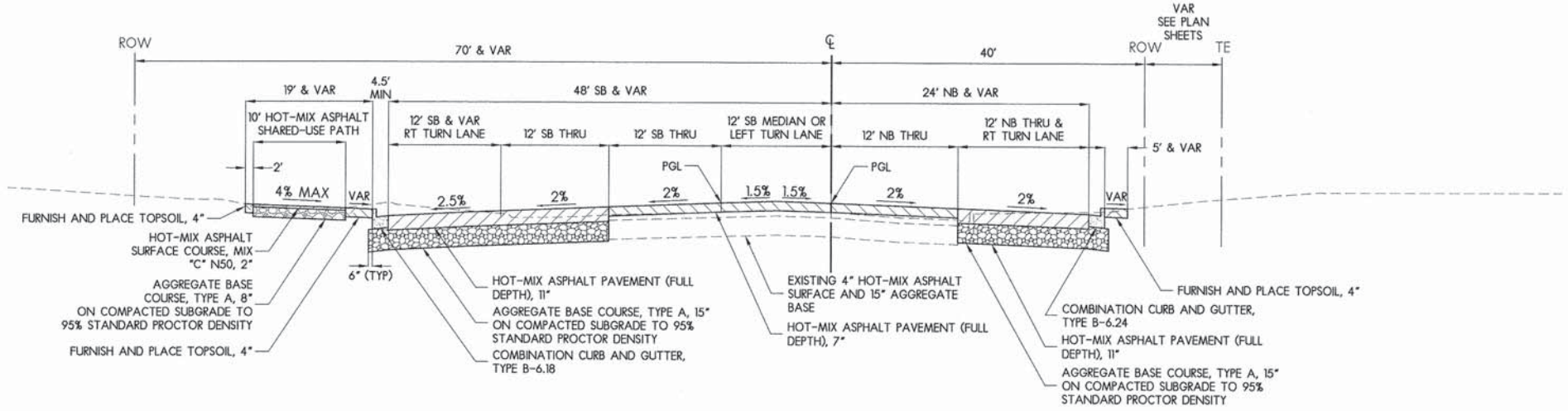
EXISTING TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	16
CONTRACT NO. 85616				

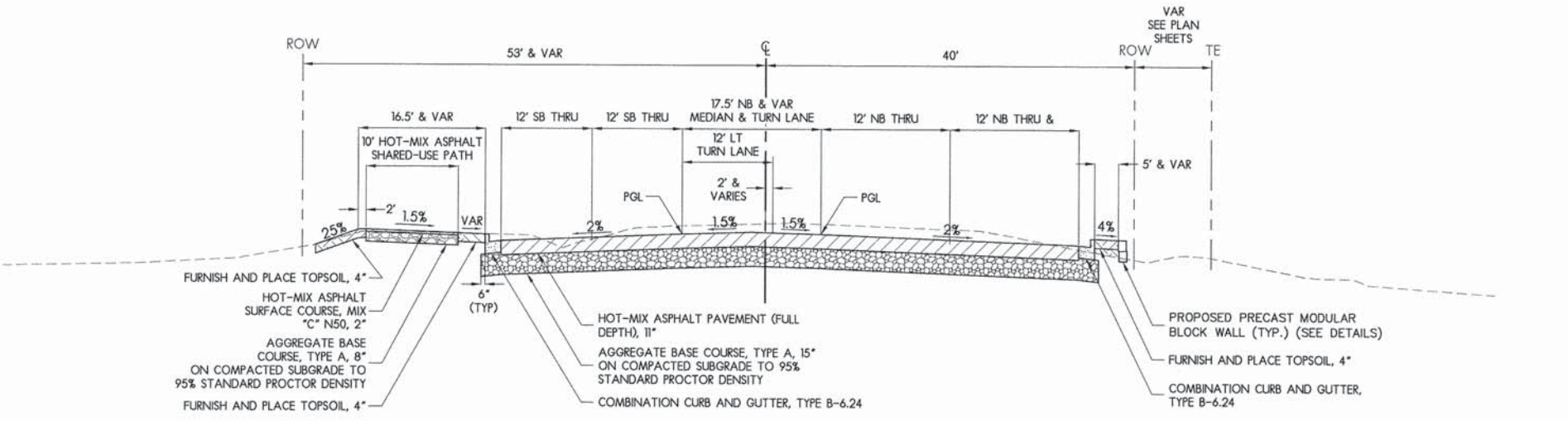
ILLINOIS FED. AID PROJECT



TYPICAL PAVEMENT SECTION - BELL SCHOOL ROAD
STA. 290+05.75 - STA. 298+45.09



TYPICAL PAVEMENT SECTION - BELL SCHOOL ROAD
STA. 298+45.09 - STA. 301+01.99



TYPICAL PAVEMENT SECTION - BELL SCHOOL ROAD
STA. 301+45.00 - STA. 303+71.83

HOT-MIX ASPHALT SHARED USE PATH

USAGE	SURFACE
AC	PG 64-22
Voids	4.0 @ N50
20 Yr ESAL	
Mix	9.5 FG
Friction Agg	
Mix Unit Weight	

HOT-MIX ASPHALT FULL DEPTH PAVEMENT

USAGE	SURFACE	TOP LIFT BINDER	ALL OTHER LIFTS
AC	SBS PG 64-28	SBS PG 64-28	PG 64-22
Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70
20 Yr ESAL			
Mix	IL 9.5	IL 19.0	IL 19.0
Friction Agg	D	N/A	N/A
Mix Unit Weight	112 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in

LEGEND

PGL = PROFILE GRADE LINE
 VAR = VARIES
 SB = SOUTHBOUND
 NB = NORTHBOUND
 ROW = RIGHT OF WAY
 TE = TEMPORARY EASEMENT

PAVEMENT DESIGN

SOUTH LEG OF BELL SCHOOL ROAD
 DESIGN SPEED = 45 MPH
 DESIGN PERIOD = 10 YEARS
 STRUCTURAL DESIGN TRAFFIC = 18,500 ADT
 ROADS/STREET CLASSIFICATION: CLASS I
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 PV = 16,280 (88%) SU = 1295 (7%) MU = 925 (5%)
 FLEXIBLE TRAFFIC FACTOR = 5.58
 SUBGRADE RATING = POOR
 AC TYPE = AC 20
 DESIGN TEMP = 76.8
 EAC = 630 ksi
 AC MICROTRAIN = 61
 PROPOSED PAVEMENT:
 HOT-MIX ASPHALT THICKNESS = 11"
 AGGREGATE SUBGRADE = 15"

LAYOUT 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

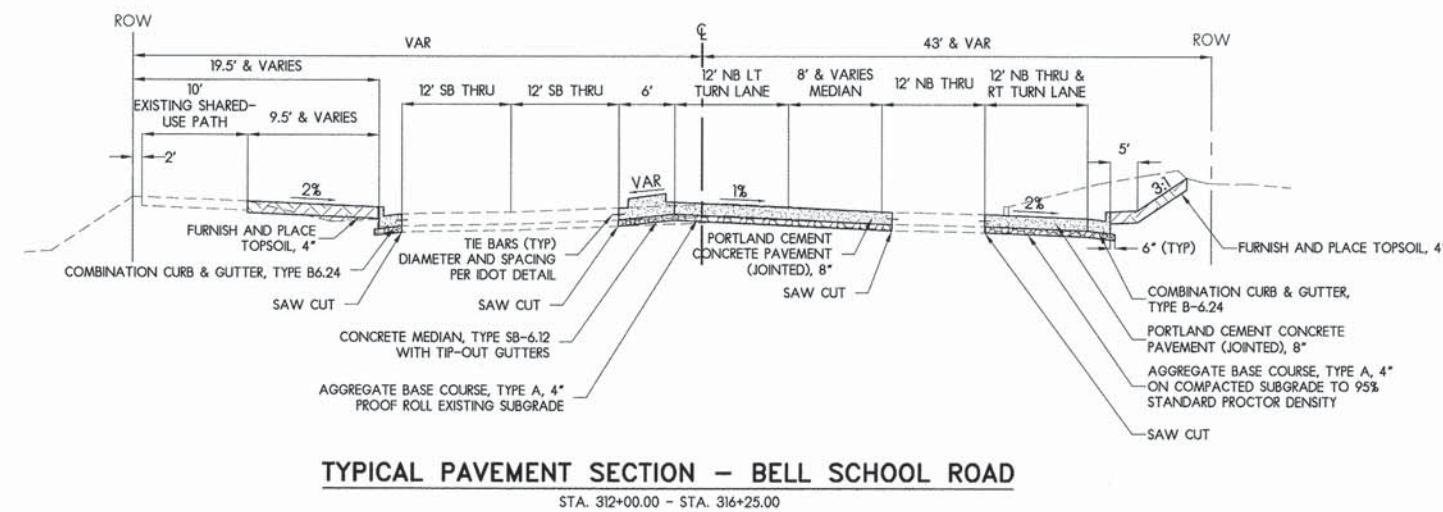
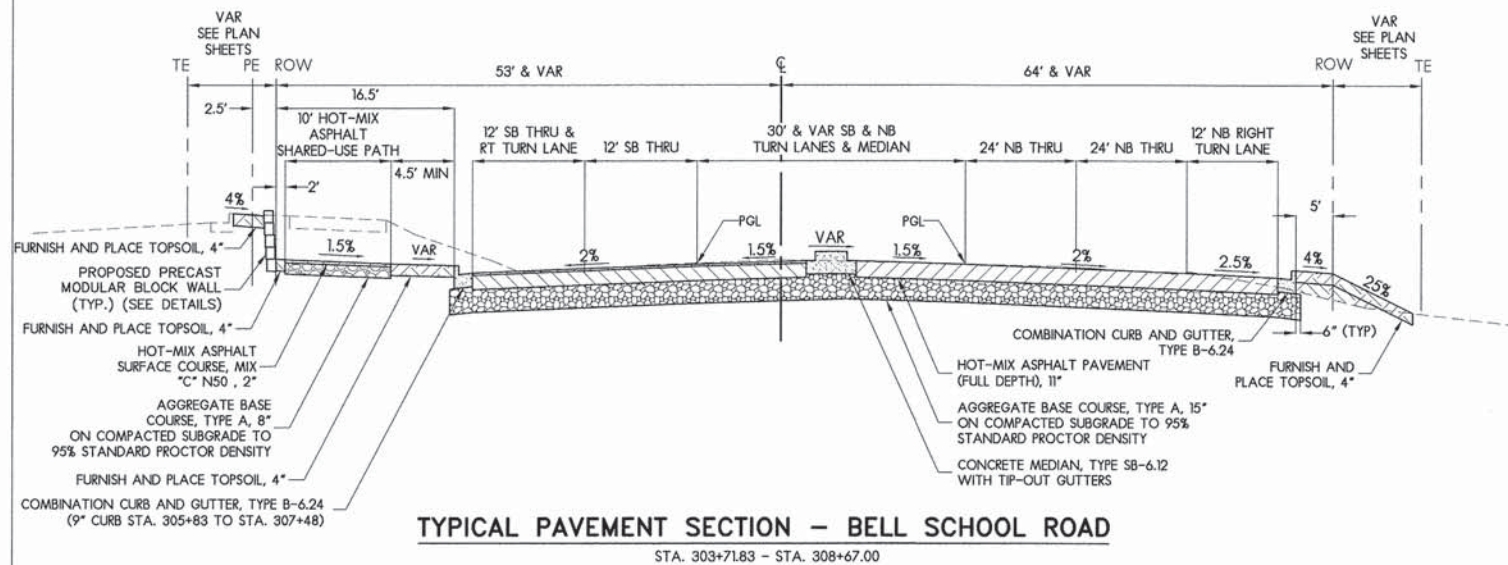
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		CHECKED - DPA	REVISED - -
		DATE - #DATE1#	REVISED - -



TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	17
CONTRACT NO. 85616				

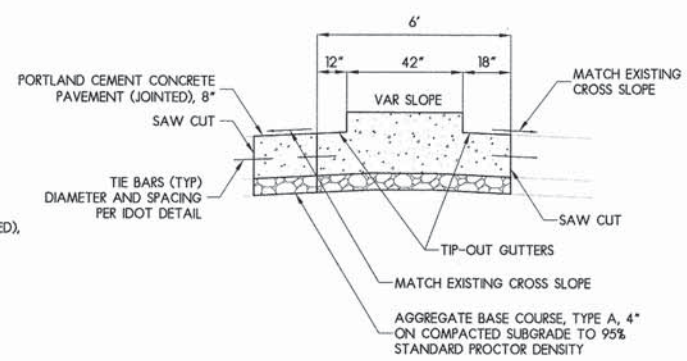
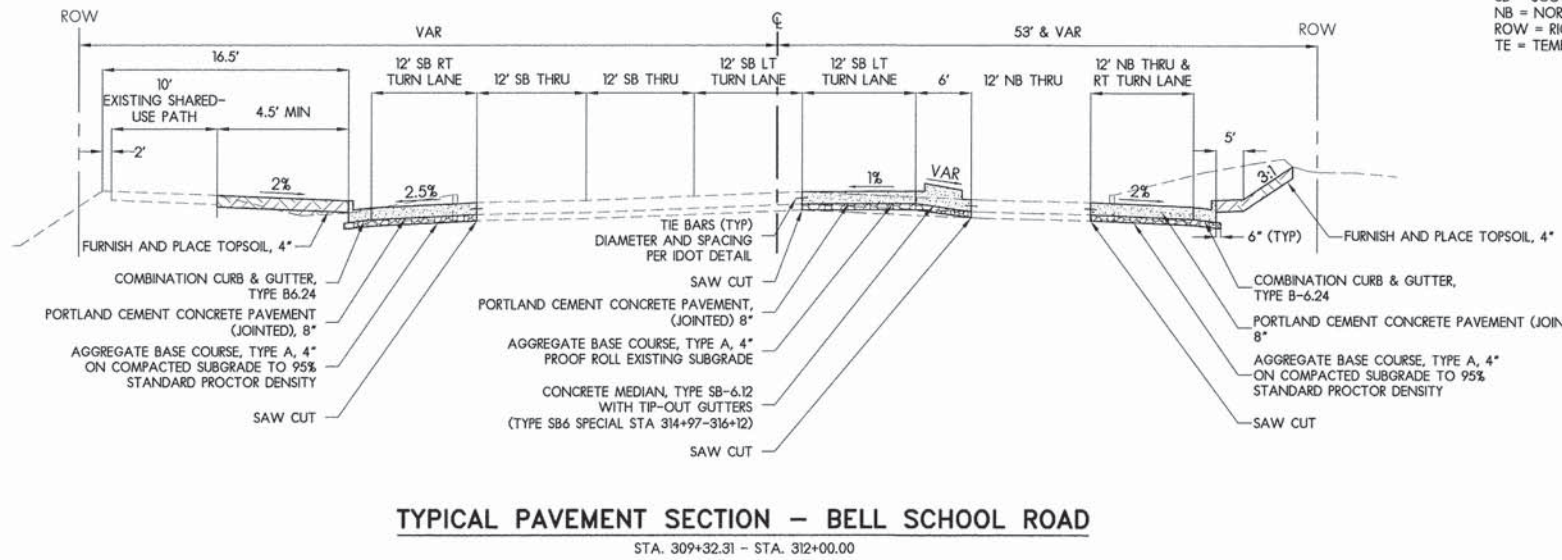
ILLINOIS FED. AID PROJECT



LEGEND
PGL = PROFILE GRADE LINE
VAR = VARIES
SB = SOUTHBOUND
NB = NORTHBOUND
ROW = RIGHT OF WAY
TE = TEMPORARY EASEMENT

HOT-MIX ASPHALT SHARED USE PATH

USAGE	SURFACE
AC	PG 64-22
Voids	4.0 @ N50
20 Yr ESAL	
Mix	9.5 FG
Friction Agg	
Mix Unit Weight	



HOT-MIX ASPHALT FULL DEPTH PAVEMENT

USAGE	SURFACE	TOP LIFT BINDER	ALL OTHER LIFTS
AC	SBS PG 64-28	SBS PG 64-28	PG 64-22
Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70
20 Yr ESAL			
Mix	IL 9.5	IL 19.0	IL 19.0
Friction Agg	D	N/A	N/A
Mix Unit Weight	112 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in

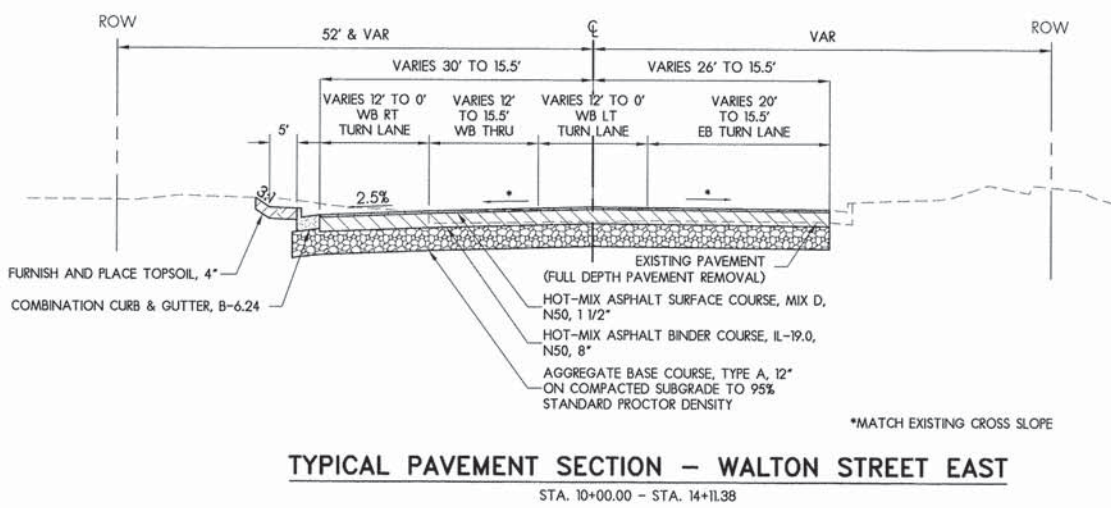
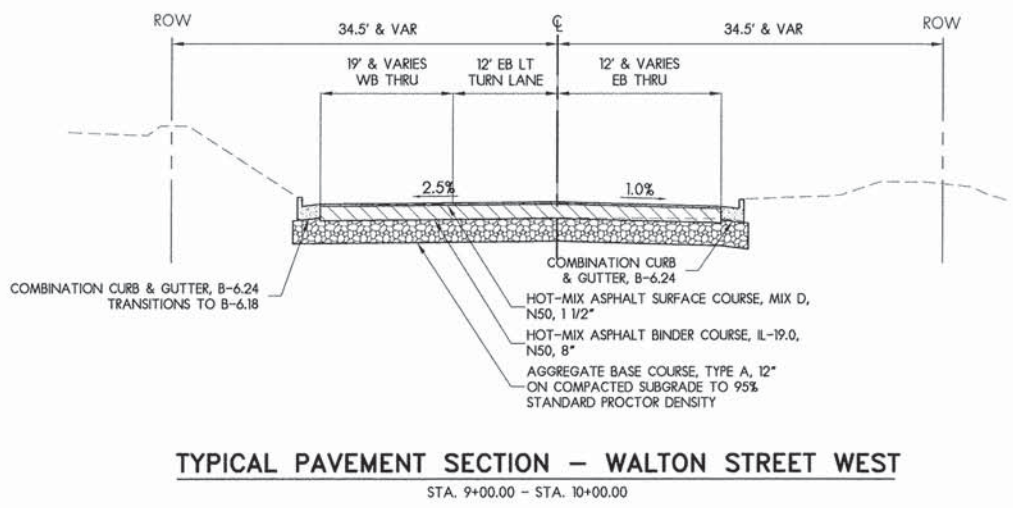
PAVEMENT DESIGN

SOUTH LEG OF BELL SCHOOL ROAD
DESIGN SPEED = 45 MPH
DESIGN PERIOD = 10 YEARS
STRUCTURAL DESIGN TRAFFIC = 18,500 ADT
ROADS/STREET CLASSIFICATION: CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
PV = 16,280 (88%) SU = 1295 (7%) MU = 925 (5%)
FLEXIBLE TRAFFIC FACTOR = 5.58
SUBGRADE RATING = POOR
AC TYPE = AC 20
DESIGN TEMP = 76.8
EAC = 630 ksi
AC MICROSTRAIN = 61

PROPOSED PAVEMENT:
HOT-MIX ASPHALT THICKNESS = 11"
AGGREGATE SUBGRADE = 15"

WALTON STREET
DESIGN SPEED = 30 MPH
DESIGN PERIOD = 20 YEARS
STRUCTURAL DESIGN TRAFFIC = 5,150 ADT
ROADS/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
PV = 4,532 (88%) SU = 361 (7%) MU = 257 (5%)
FLEXIBLE TRAFFIC FACTOR = 1.13
SUBGRADE RATING = POOR
AC TYPE = AC 20
DESIGN TEMP = 76.8
EAC = 625 ksi
AC MICROSTRAIN = 102

PROPOSED PAVEMENT:
HOT-MIX ASPHALT THICKNESS = 9 1/2"
AGGREGATE SUBGRADE = 12"



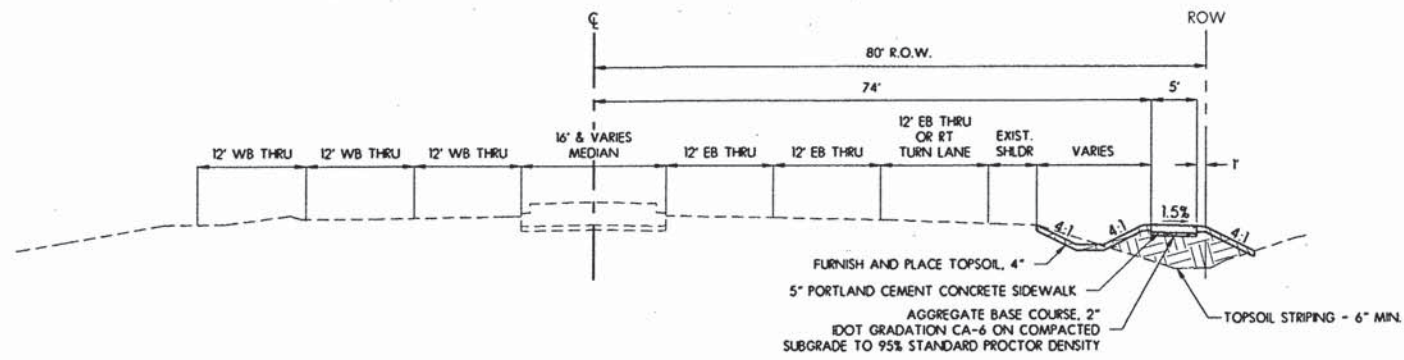
12/10/10
MWH
02/12/13
MWH
02/12/13
DPA
02/12/13

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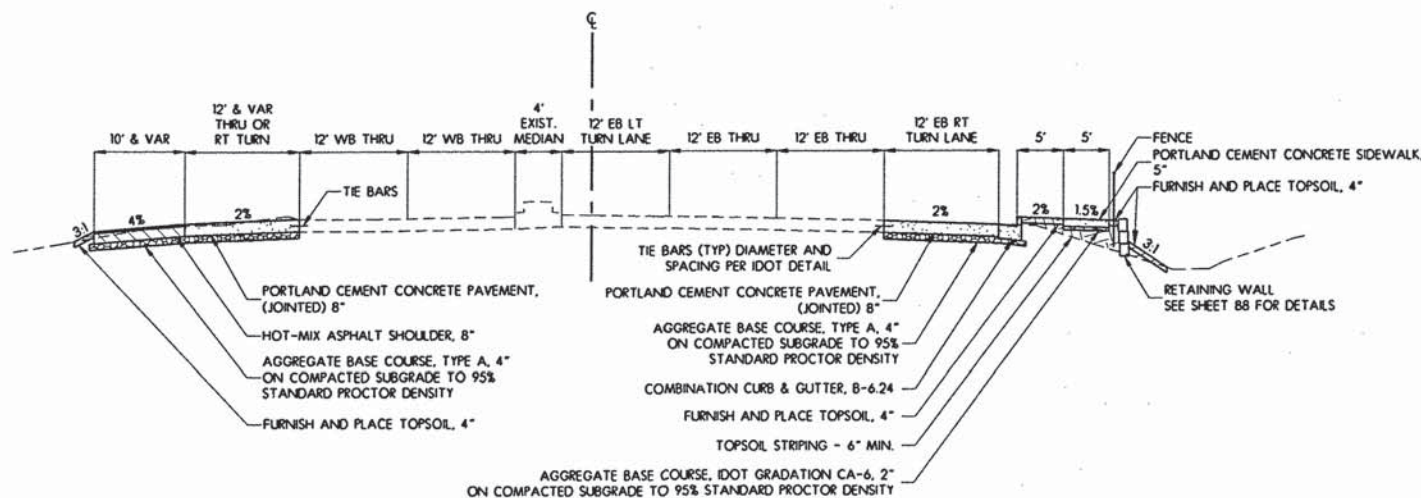
TYPICAL SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	18
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



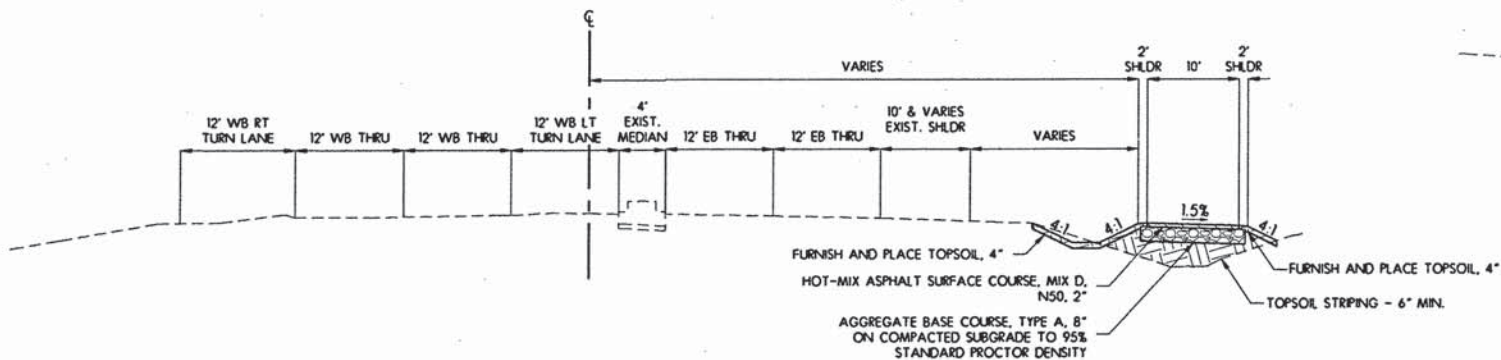
TYPICAL PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 658+55.88 - STA. 661+51.77



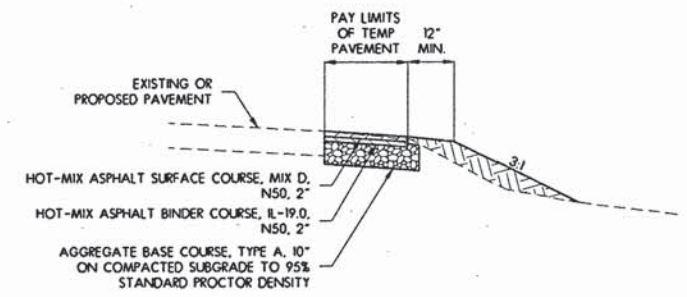
TYPICAL PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 661+51.77 - STA. 669+33.86

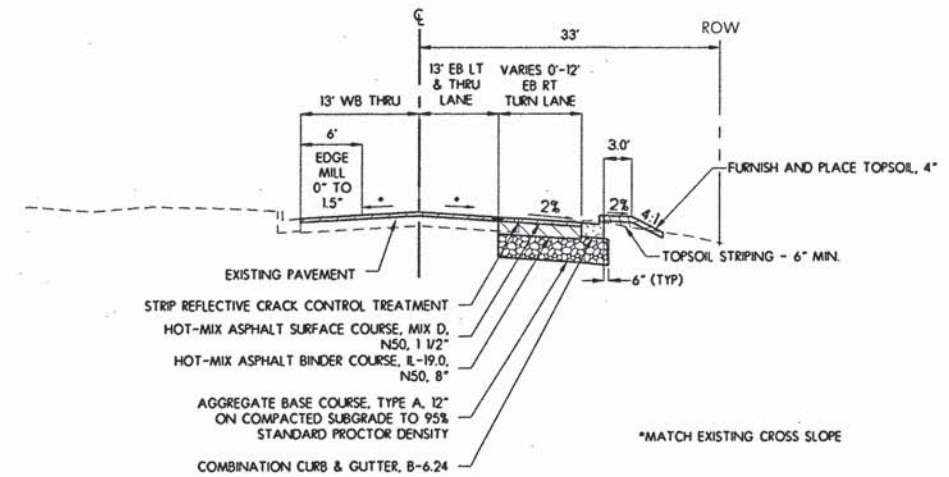


TYPICAL PAVEMENT SECTION - EAST STATE STREET - US BR 20

STA. 669+33.86 - STA. 680+51.84

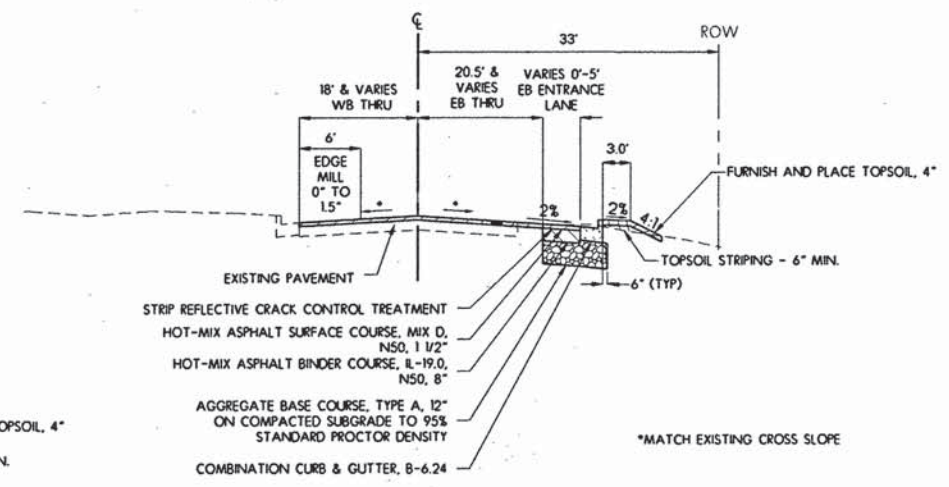


TYPICAL TEMPORARY PAVEMENT SECTION



TYPICAL PAVEMENT SECTION - ARGUS DRIVE

STA. 66+92.04 - STA. 69+66.34



TYPICAL PAVEMENT SECTION - POTAWATOMI TRAIL

STA. 170+42.87 - STA. 171+97.40

LEGEND
 PGL = PROFILE GRADE LINE
 HOT-MIX ASPHALT = HOT MIX ASPHALT
 VAR = VARIES
 SB = SOUTHBOUND
 NB = NORTHBOUND
 ROW = RIGHT OF WAY
 TE = TEMPORARY EASEMENT

PAVEMENT DESIGN
ARGUS DRIVE
 DESIGN SPEED = 30 MPH
 DESIGN PERIOD = 20 YEARS
 STRUCTURAL DESIGN TRAFFIC = 3750 ADT
 ROADS/STREET CLASSIFICATION: CLASS II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 PV = 3300 (88%) SU = 263 (7%) MU = 187 (5%)
 FLEXIBLE TRAFFIC FACTOR = 0.82
 SUBGRADE RATING = POOR
 AC TYPE = AC 20
 DESIGN TEMP = 76.8
 EAC = 625 kv
 AC MICROSTRAIN = 112
 PROPOSED PAVEMENT:
 HOT-MIX ASPHALT THICKNESS = 9 1/2"
 AGGREGATE SUBGRADE = 12"

MIX DESIGN TABLE

SHOULDER		
USAGE	BOTTOM	TOP
AC	PG 64-22	PG 64-22
Voils	2% @ NS0	3% @ NS0
20 Yr ESAL	N/A	N/A
Mix	IL 19.0	IL 9.5
Friction Agg	N/A	C
Mix Unit Weight	1126/ly/in	1126/ly/in

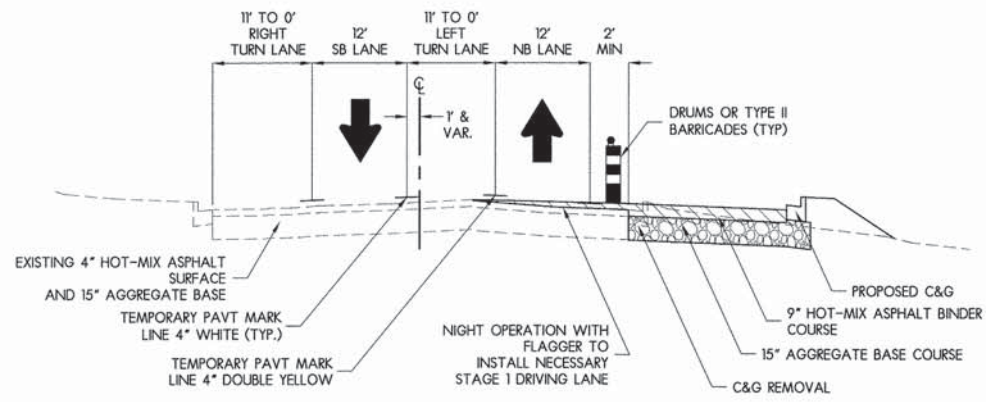
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 DRAWN 02/12/13
 REVIEWED DPA 02/12/13

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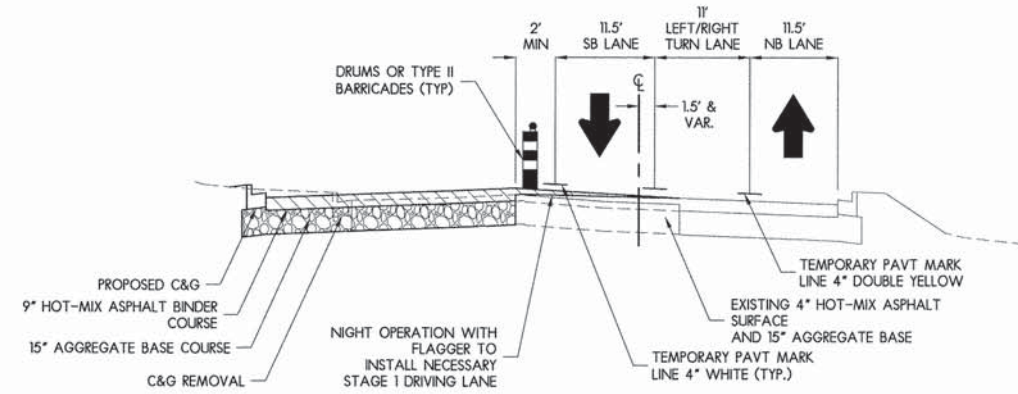
TYPICAL SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	19
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				



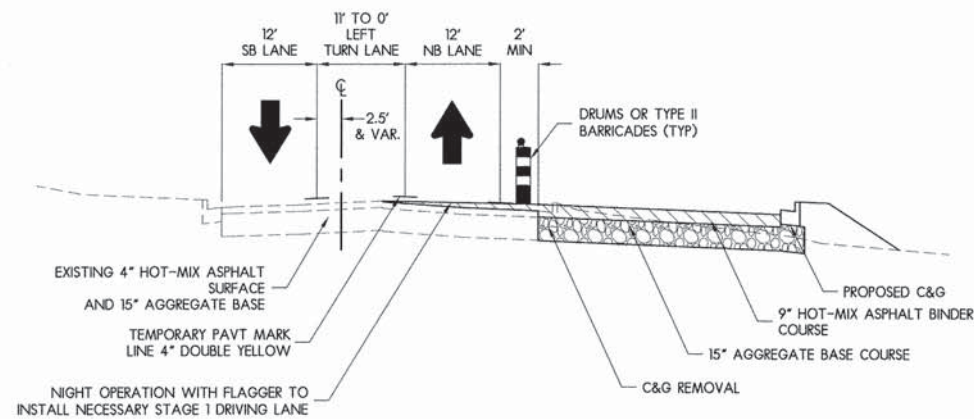
STAGE 1 – BELL SCHOOL ROAD

STA. 298+45.09 – STA. 303+71.83



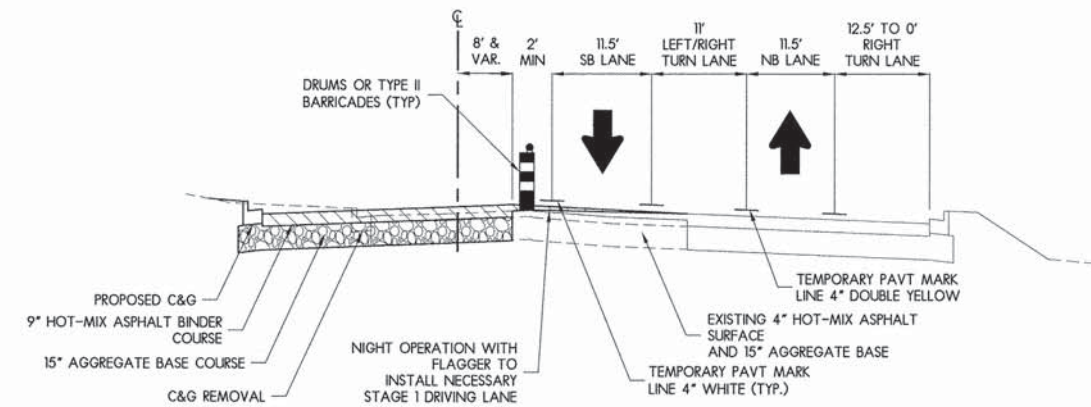
STAGE 2 – BELL SCHOOL ROAD

STA. 293+91.04 – STA. 303+71.83



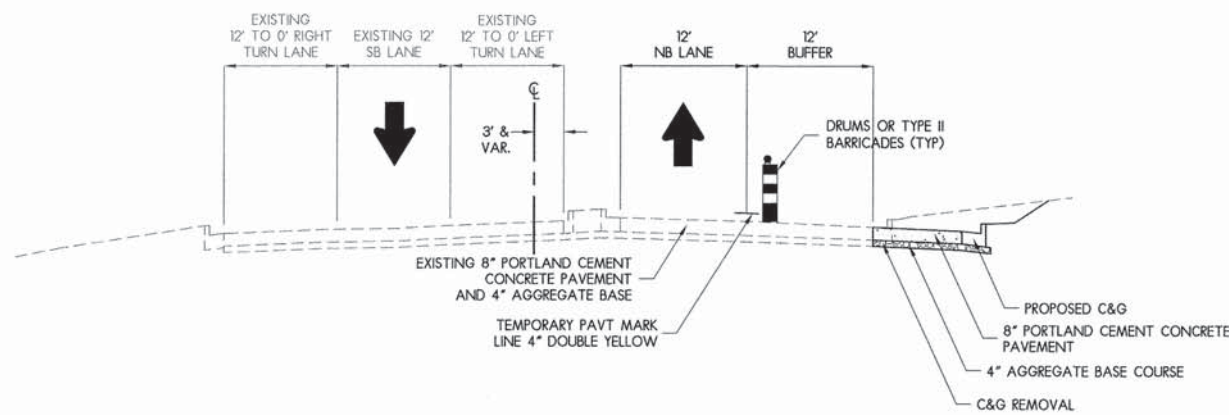
STAGE 1 – BELL SCHOOL ROAD

STA. 303+71.83 – STA. 309+00.00



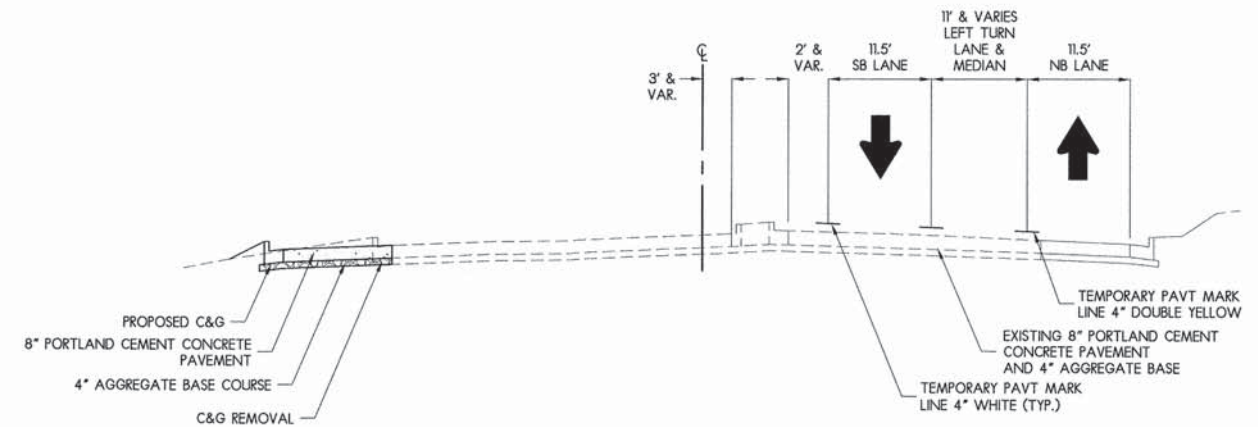
STAGE 2 – BELL SCHOOL ROAD

STA. 303+71.83 – STA. 309+00.00



STAGE 1 – BELL SCHOOL ROAD

STA. 309+00.00 – STA. 316+24.00



STAGE 2 – BELL SCHOOL ROAD

STA. 309+00.00 – STA. 316+76.00

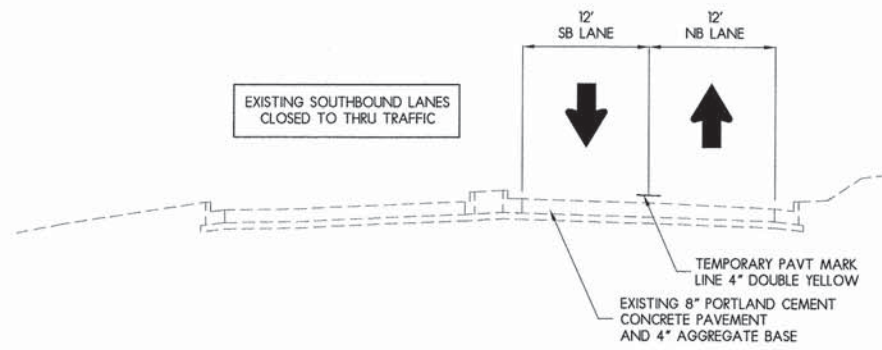
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DRAWN	MWH 02/12/13
REVIEWED	DPA 02/12/13

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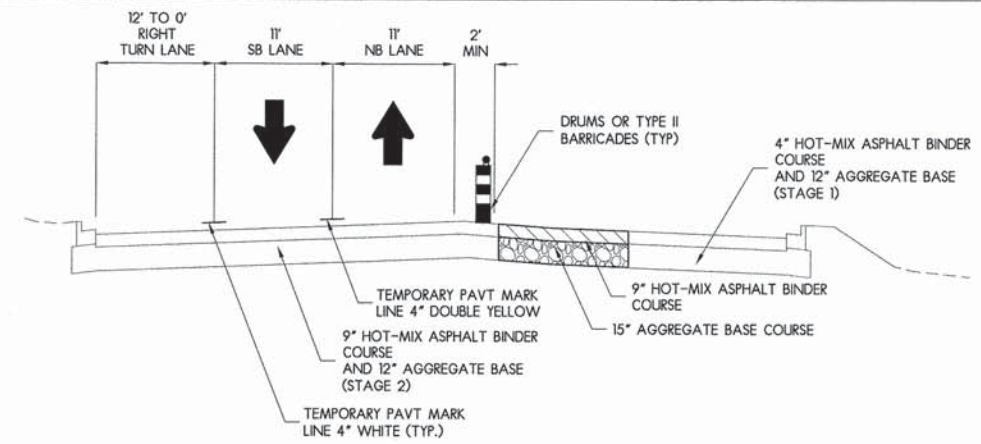
STAGING TYPICAL SECTIONS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	20
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



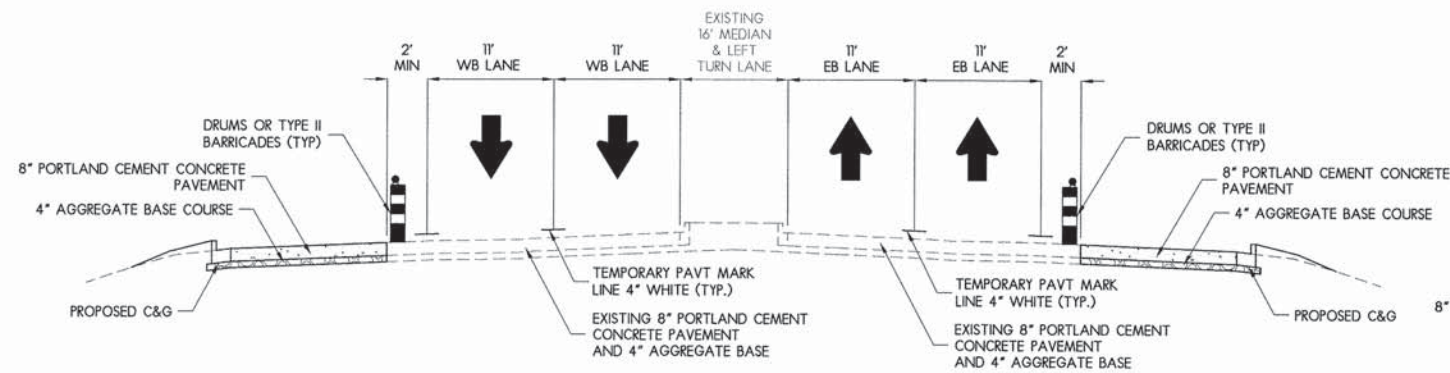
STAGE 2 – BELL SCHOOL ROAD

STA. 316+76.00 – STA. 326+77.00



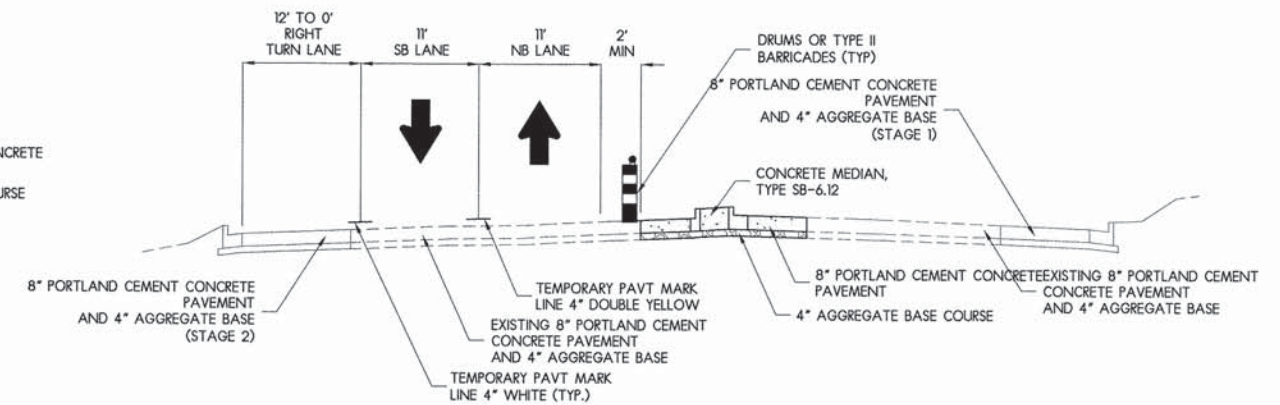
STAGE 3 – BELL SCHOOL ROAD

STA. 298+45.09 – STA. 309+00.00



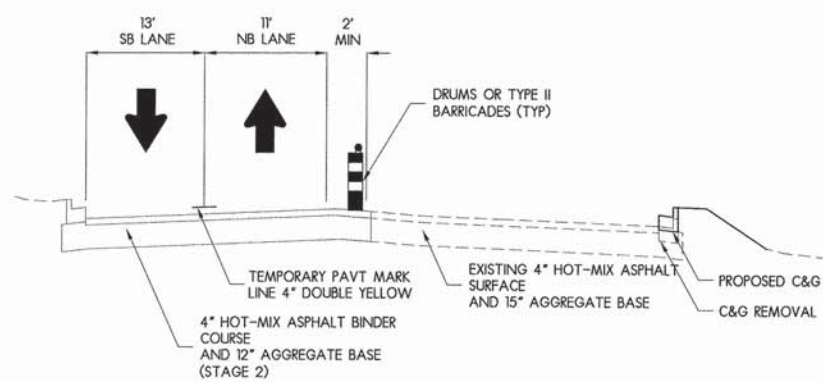
STAGE 2 – EAST STATE STREET

STA. 660+01.00 – STA. 669+33.00



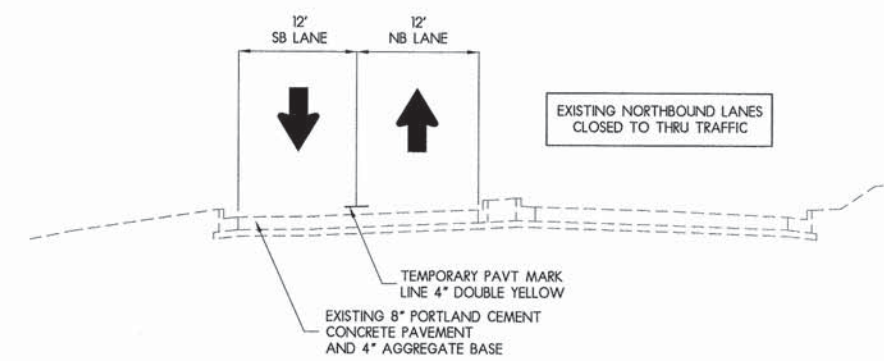
STAGE 3 – BELL SCHOOL ROAD

STA. 309+00.00 – STA. 314+45.64



STAGE 3 – BELL SCHOOL ROAD

STA. 293+91.04 – STA. 298+45.09



STAGE 3 – BELL SCHOOL ROAD

STA. 314+45.64 – STA. 326+32.00

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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DRAWN - MWH	REVISOR -
CHECKED - DPA	REVISOR -
DATE - #DATE1#	REVISOR -

DESIGNED - DPA	REVISOR -
DRAWN - MWH	REVISOR -
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DATE - #DATE1#	REVISOR -

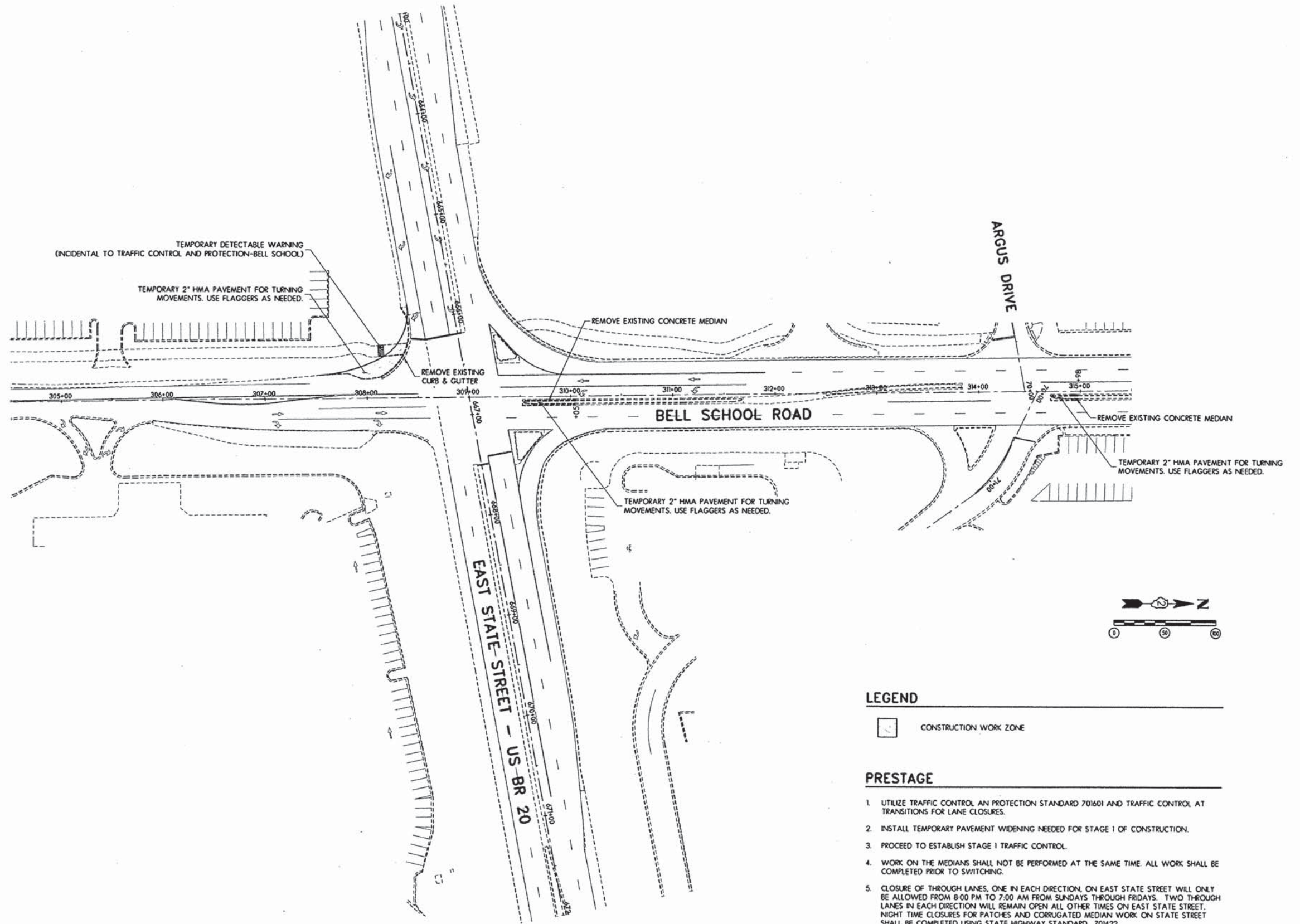
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DRAWN - MWH	REVISOR -
CHECKED - DPA	REVISOR -
DATE - #DATE1#	REVISOR -



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DESIGNED - DPA	REVISOR -
DRAWN - MWH	REVISOR -
CHECKED - DPA	REVISOR -
DATE - #DATE1#	REVISOR -

STAGING TYPICAL SECTIONS				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	21
CONTRACT NO. 85616				

ILLINOIS FED. AID PROJECT				
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LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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		CHECKED - DPA	REVISED -
		DATE - #DATE1#	REVISED -

ARC DESIGN
RESOURCES INC.

TRAFFIC CONTROL AND STAGING PLAN - PRESTAGE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	22
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

STAGE I

1. INSTALL TRAFFIC CONTROL FOR STAGE I
2. PAVEMENT PATCHING FOR STORM SEWER REMOVAL AND INSTALLATION SHALL BE COMPLETED UNDER TRAFFIC USING STATE HIGHWAY STANDARD 70150L RE: REMOVAL PLANS.
3. REMOVE THE EXISTING PAVEMENT MARKING WITHIN THE STAGE I CONSTRUCTION LIMITS AND INSTALL TEMPORARY PAINT PAVEMENT MARKINGS.
4. INSTALL DRUMS OR BARRICADES ALONG OUTSIDE OF TEMPORARY EDGE LINE PAVEMENT MARKINGS. A MINIMUM OF 2 FEET SHALL BE MAINTAINED FOR A BUFFER AREA BETWEEN THE TRAFFIC LANES AND CONSTRUCTION AREA.
5. BEGIN REMOVAL AND CONSTRUCTION OF THE STAGE I AREA. THE PROPOSED CONSTRUCTION SHALL CONSIST OF THE INSTALLATION OF INLETS, STORM SEWERS, CURB & GUTTER, GRADING, PAVEMENT, AND EROSION CONTROL. THE 15" AGGREGATE BASE COURSE SHALL BE INSTALLED ALONG WITH THE 4" HMA BINDER COURSE TO MATCH THE EXISTING PAVEMENT.
6. STAGE I WORK SHALL INCLUDE MULTI-USE PATH ALONG EAST STATE STREET EAST OF BELL SCHOOL ROAD.
7. TEMPORARY DRAINAGE SHALL BE MAINTAINED UTILIZING 4" PVC PIPE AS SHOWN ON TEMPORARY DRAINAGE DETAIL. THIS WORK SHALL BE INCLUDED IN THE COST OF INLET SPECIAL OF THE TYPE SPECIFIED.
8. QUANTITIES FOR TEMPORARY 2" HMA PAVEMENT HAVE BEEN ADDED TO THE PLANS FOR USE AS TEMPORARY ACCESS FOR ENTRANCES AND TURNING MOVEMENTS FOR TRUCKS ON WALTON STREET.
9. EROSION CONTROL AND SEEDING WORK SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
10. CLOSURE OF THROUGH LANES, ONE IN EACH DIRECTION, ON EAST STATE STREET WILL ONLY BE ALLOWED FROM 8:00 PM TO 7:00 AM FROM SUNDAYS THROUGH FRIDAYS. TWO THROUGH LANES IN EACH DIRECTION WILL REMAIN OPEN ALL OTHER TIMES ON EAST STATE STREET. NIGHT TIME CLOSURES FOR PATCHES AND CORRUGATED MEDIAN WORK ON STATE STREET SHALL BE COMPLETED USING STATE HIGHWAY STANDARD 701422.

LEGEND

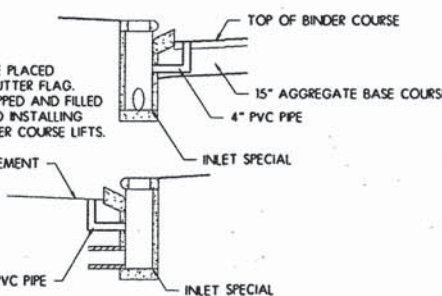
- ← DIRECTION OF TRAFFIC FLOW
- DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON 50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
- ⊕ TYPE III BARRICADE
- ↔ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- CONSTRUCTION WORK ZONE
- ▨ TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE I. USE FLAGGERS AS NEEDED.

ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

ROUTERIGHT TURNING TRAFFIC AT INTERSECTION TO OUTER EDGE OF PAVEMENT ONCE OUTSIDE CONSTRUCTION IS COMPLETE IN ORDER TO CONSTRUCT CORNER PAVEMENT. SEE DETAIL 70101.

NOTE:

THE PVC PIPE SHALL BE PLACED WITHIN 1 FOOT OF GUTTER FLAG. THE PIPE SHALL BE CAPPED AND FILLED WITH GROUT PRIOR TO INSTALLING THE ADDITIONAL BINDER COURSE LIFTS.



TEMPORARY DRAINAGE DETAIL



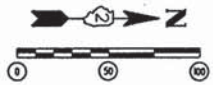
W20-1103
4848



W1-4
4848



R3-5
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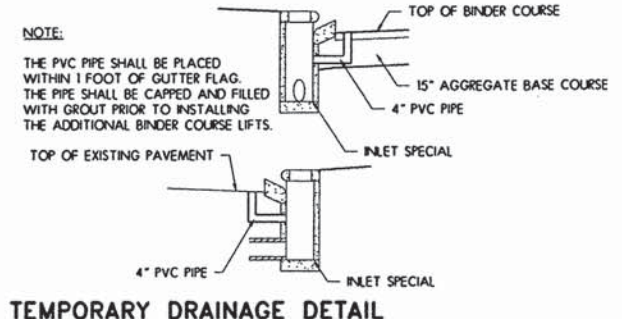
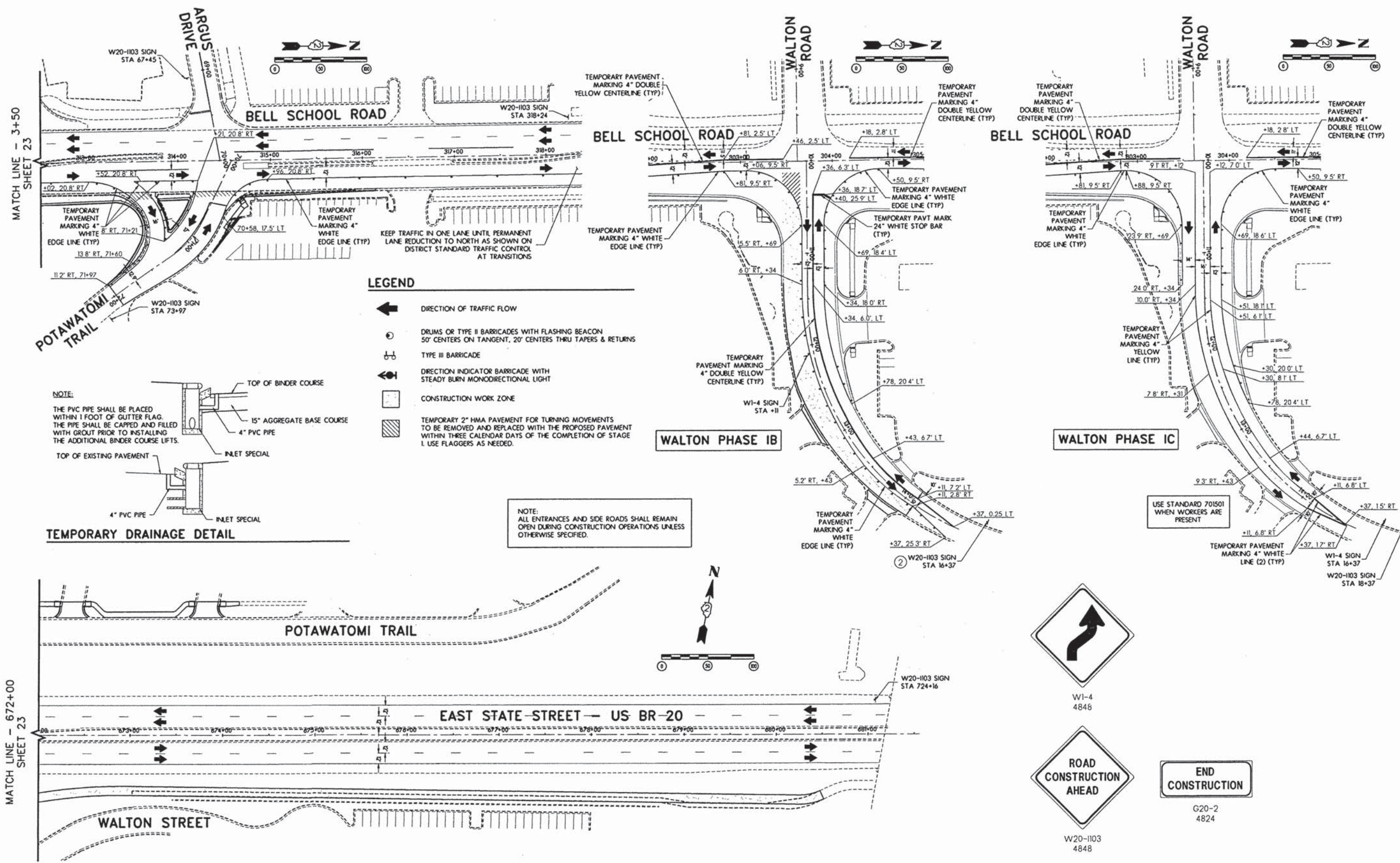
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TRAFFIC CONTROL AND STAGING PLAN - STAGE I

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

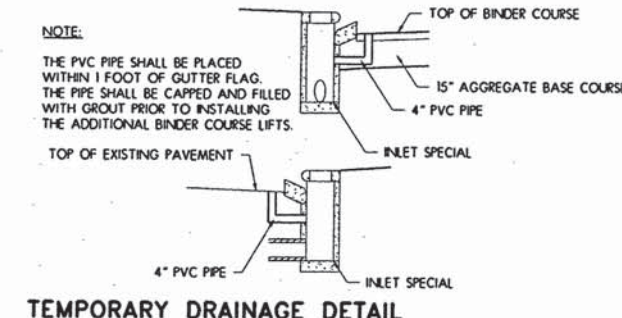
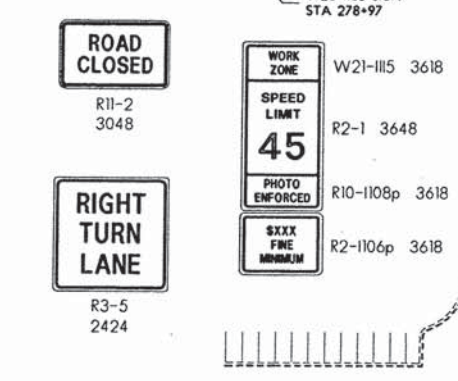
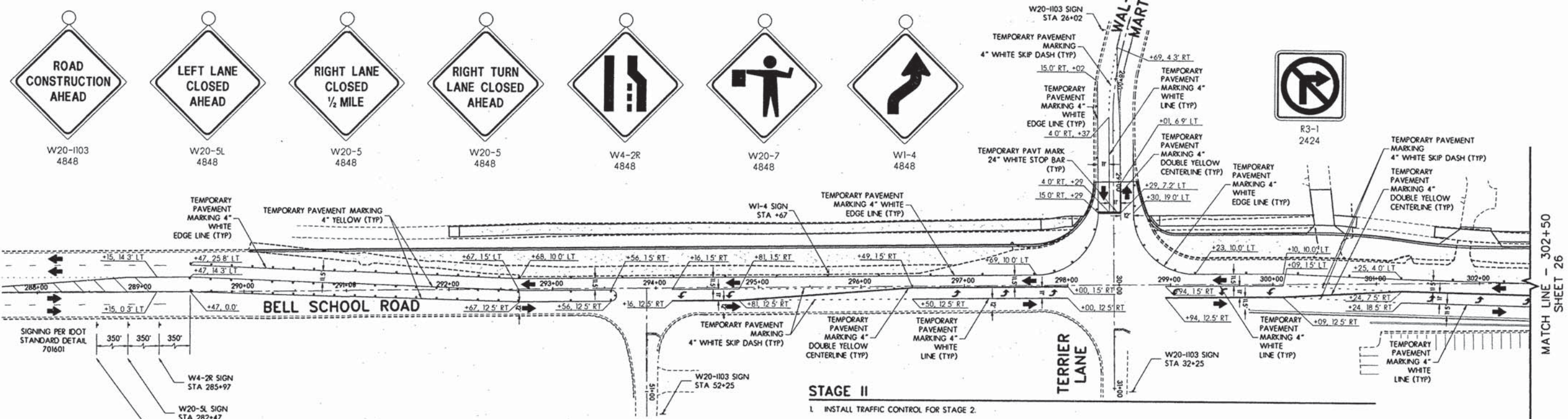


- LEGEND**
- DIRECTION OF TRAFFIC FLOW
 - DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON
50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
 - TYPE III BARRICADE
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE I. USE FLAGGERS AS NEEDED.

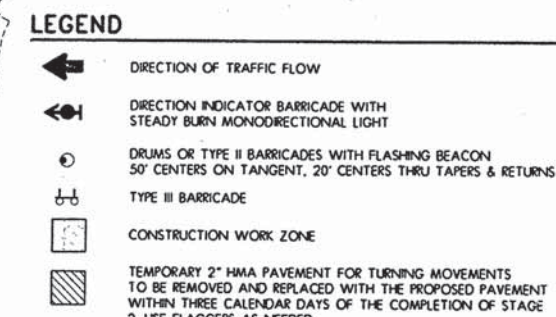
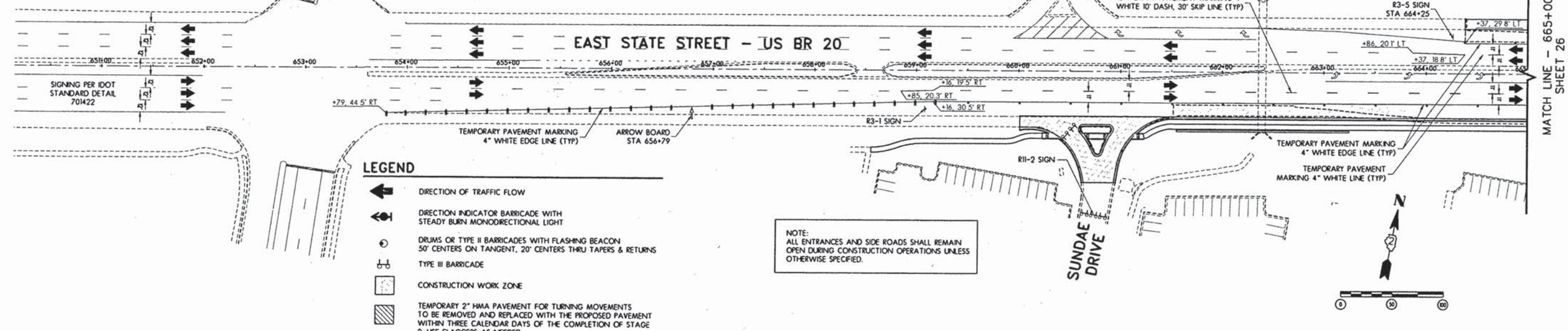
NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

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TRAFFIC CONTROL AND STAGING PLAN - STAGE I



- STAGE II**
1. INSTALL TRAFFIC CONTROL FOR STAGE 2.
 2. PAVEMENT PATCHING FOR STORM SEWER REMOVAL AND INSTALLATION SHALL BE COMPLETED UNDER TRAFFIC USING STATE HIGHWAY STANDARD 701501, RE: REMOVAL PLANS.
 3. REMOVE THE EXISTING PAVEMENT MARKING WITHIN THE STAGE 2 CONSTRUCTION LIMITS AND INSTALL TEMPORARY PAINT PAVEMENT MARKINGS.
 4. INSTALL DRUMS OR BARRICADES ALONG OUTSIDE OF TEMPORARY EDGE LINE PAVEMENT MARKINGS. A MINIMUM OF 2 FEET SHALL BE MAINTAINED FOR A BUFFER AREA BETWEEN THE TRAFFIC LANES AND CONSTRUCTION AREA.
 5. BEGIN REMOVAL AND CONSTRUCTION OF THE STAGE 2 AREA. THE PROPOSED CONSTRUCTION SHALL CONSIST OF THE INSTALLATION OF INLETS, STORM SEWERS, CURB & GUTTER, GRADING, PAVEMENT, AND EROSION CONTROL. THE 15" AGGREGATE BASE COURSE SHALL BE INSTALLED ALONG WITH THE 4" HMA BINDER COURSE TO MATCH THE EXISTING PAVEMENT.
 6. STAGE 2 WORK SHALL INCLUDE SIDEWALK ALONG EAST STATE WEST OF BELL SCHOOL ROAD.
 7. TEMPORARY DRAINAGE SHALL BE MAINTAINED UTILIZING 4" PVC PIPE AS SHOWN ON TEMPORARY DRAINAGE DETAIL. THIS WORK SHALL BE INCLUDED IN THE COST OF INLET SPECIAL OF THE TYPE SPECIFIED.
 8. QUANTITIES FOR TEMPORARY 2" HMA PAVEMENT HAVE BEEN ADDED TO THE PLANS FOR USE AS TEMPORARY ACCESS FOR ENTRANCES AND TURNING MOVEMENTS FOR TRUCKS ON WALTON STREET.
 9. EROSION CONTROL AND SEEDING WORK SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
 10. CLOSURE OF THROUGH LANES, ONE IN EACH DIRECTION, ON EAST STATE STREET WILL ONLY BE ALLOWED FROM 8:00 PM TO 7:00 AM FROM SUNDAYS THROUGH FRIDAYS. TWO THROUGH LANES IN EACH DIRECTION WILL REMAIN OPEN ALL OTHER TIMES ON EAST STATE STREET. NIGHT TIME CLOSURES FOR PATCHES AND CORRUGATED MEDIAN WORK ON STATE STREET SHALL BE COMPLETED USING STATE HIGHWAY STANDARD 701422.



NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

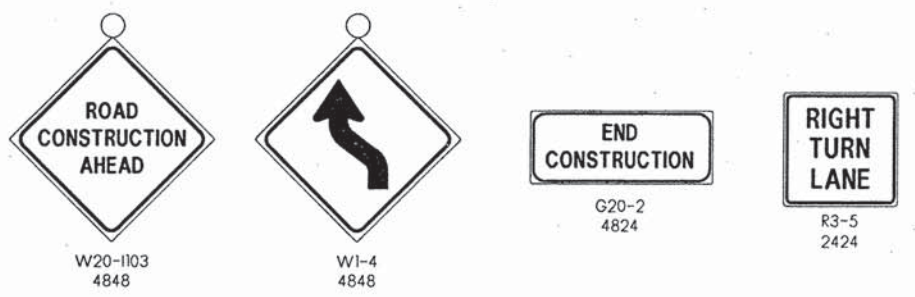
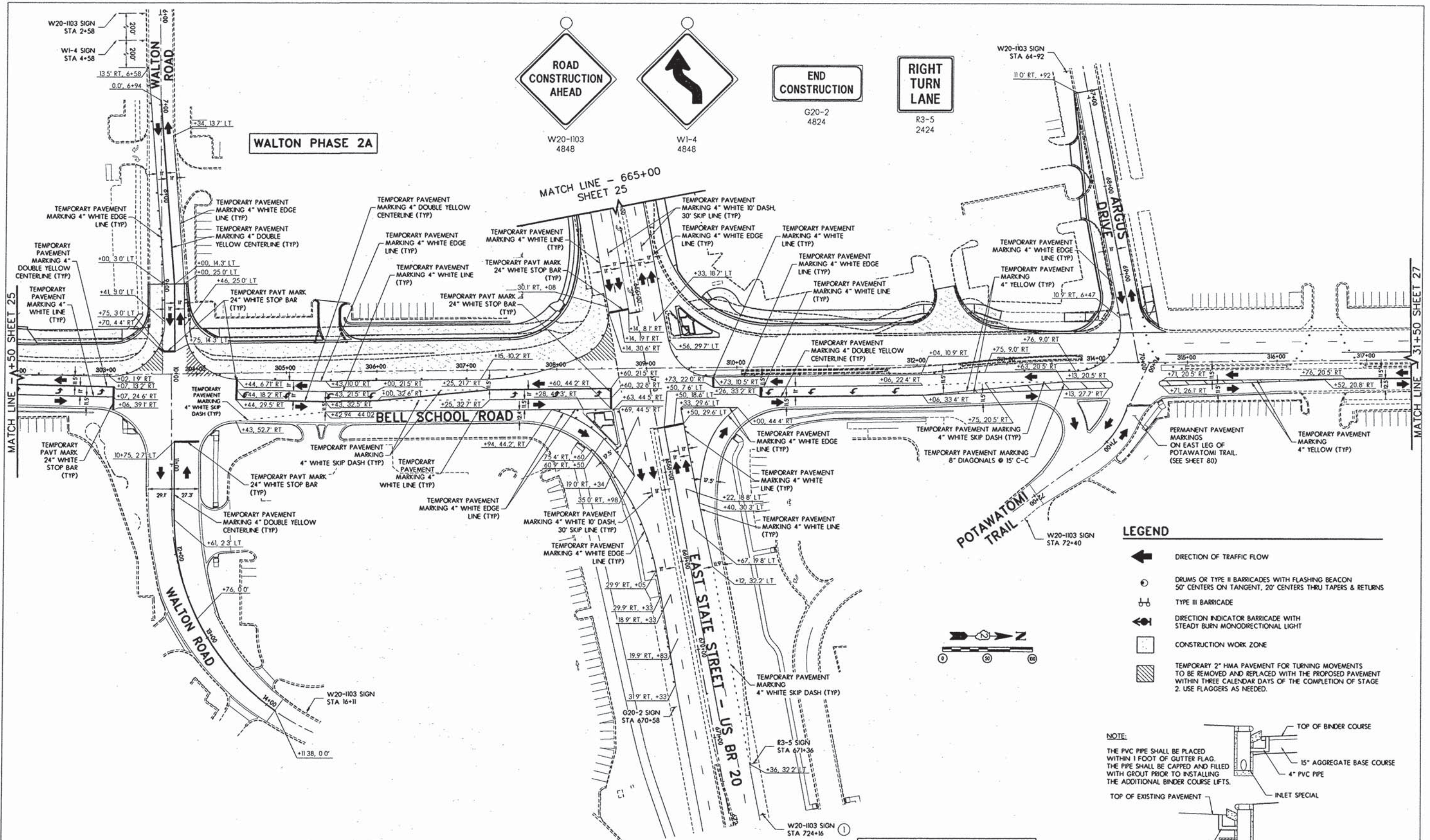
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DRAWN	MMH	02/12/13
REVIEWED	DPA	02/12/13

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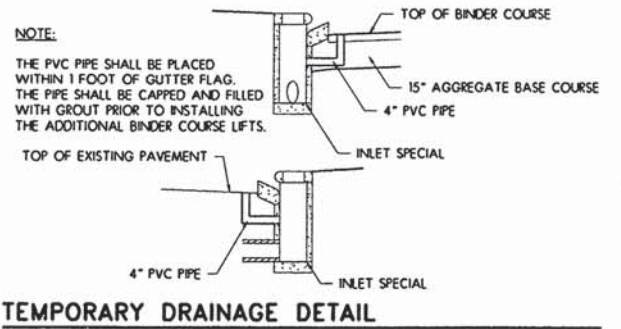
ARC DESIGN
RESOURCES INC.

TRAFFIC CONTROL AND STAGING PLAN - STAGE II

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	25
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ← DIRECTION OF TRAFFIC FLOW
 - DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON
50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
 - ⊕ TYPE III BARRICADE
 - ↔ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ▭ CONSTRUCTION WORK ZONE
 - ▨ TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE 2. USE FLAGGERS AS NEEDED.



NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

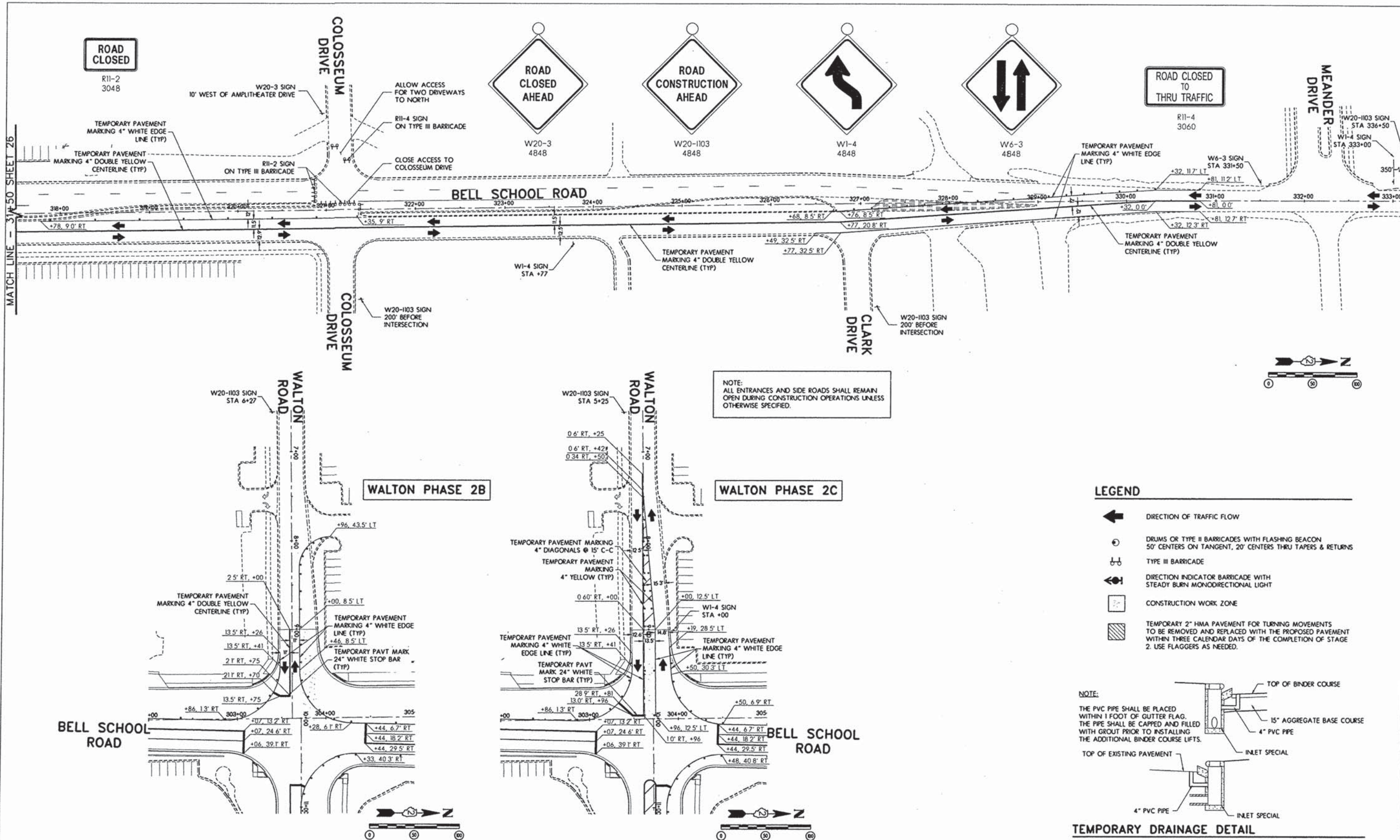
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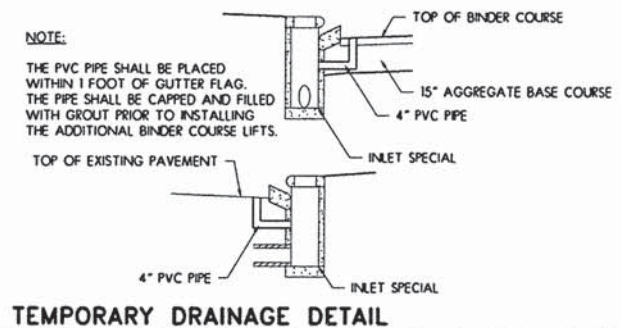
TRAFFIC CONTROL AND STAGING PLAN - STAGE II

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	26
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	



NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

- LEGEND**
- DIRECTION OF TRAFFIC FLOW
 - DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON 50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
 - TYPE III BARRICADE
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - CONSTRUCTION WORK ZONE
 - TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE 2. USE FLAGGERS AS NEEDED.



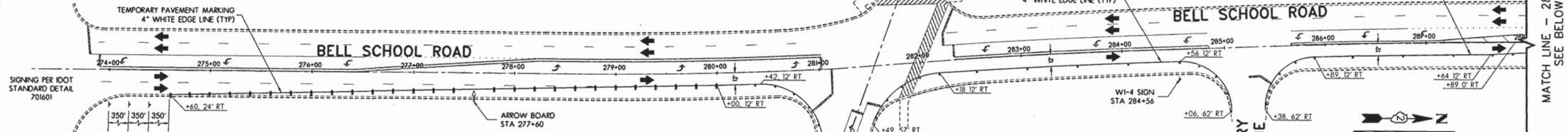
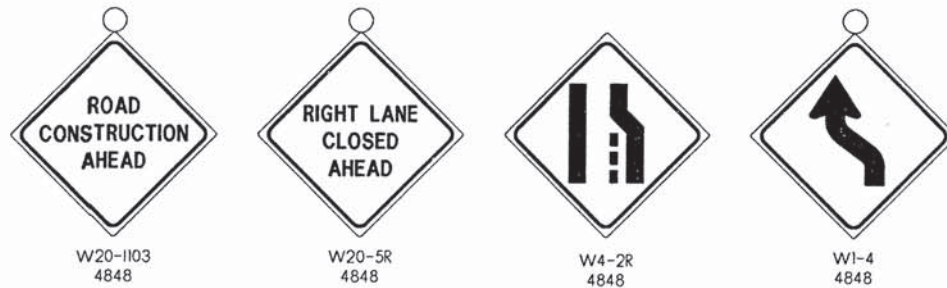
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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TRAFFIC CONTROL AND STAGING PLAN - STAGE II

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



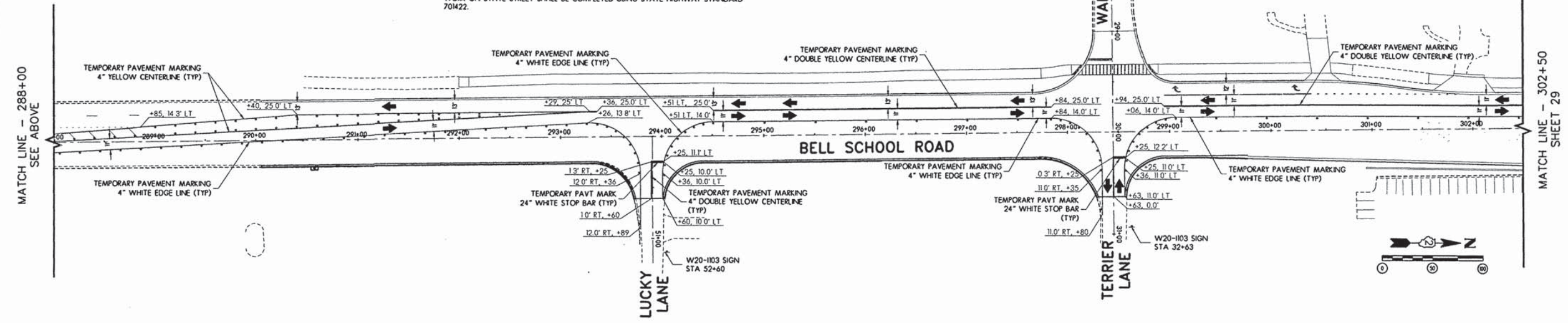
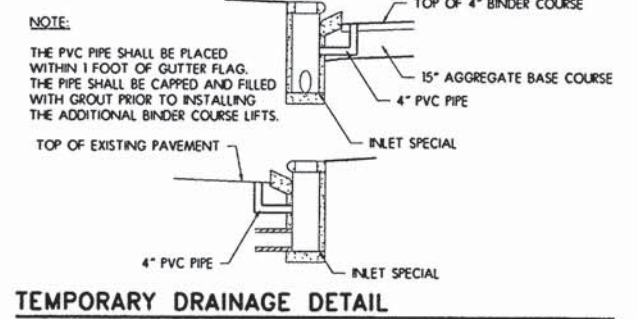
STAGE 3

1. INSTALL TRAFFIC CONTROL FOR STAGE 3.
2. PAVEMENT PATCHING FOR STORM SEWER REMOVAL AND INSTALLATION SHALL BE COMPLETED UNDER TRAFFIC USING STATE HIGHWAY STANDARD 701501, RE: REMOVAL PLANS.
3. REMOVE THE EXISTING PAVEMENT MARKING WITHIN THE STAGE 3 CONSTRUCTION LIMITS AND INSTALL TEMPORARY PAINT PAVEMENT MARKINGS.
4. INSTALL DRUMS OR BARRICADES ALONG OUTSIDE OF TEMPORARY EDGE LINE PAVEMENT MARKINGS. A MINIMUM OF 2 FEET SHALL BE MAINTAINED FOR A BUFFER AREA BETWEEN THE TRAFFIC LANES AND CONSTRUCTION AREA.
5. BEGIN REMOVAL AND CONSTRUCTION OF THE STAGE 3 AREA. THE PROPOSED CONSTRUCTION SHALL CONSIST OF THE INSTALLATION OF INLETS, STORM SEWERS, CURB & GUTTER, GRADING, PAVEMENT, AND EROSION CONTROL. THE 15\"/>
- 6. TEMPORARY DRAINAGE SHALL BE MAINTAINED UTILIZING 4\"/>
- 7. QUANTITIES FOR TEMPORARY 2\"/>
- 8. EROSION CONTROL AND SEEDING WORK SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
- 9. CLOSURE OF THROUGH LANES, ONE IN EACH DIRECTION, ON EAST STATE STREET WILL ONLY BE ALLOWED FROM 8:00 PM TO 7:00 AM FROM SUNDAYS THROUGH FRIDAYS, TWO THROUGH LANES IN EACH DIRECTION WILL REMAIN OPEN ALL OTHER TIMES ON EAST STATE STREET. NIGHT TIME CLOSURES FOR PATCHES AND CORRUGATED MEDIAN WORK ON STATE STREET SHALL BE COMPLETED USING STATE HIGHWAY STANDARD 701422.

LEGEND

- DIRECTION OF TRAFFIC FLOW
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON 50\"/>
- TYPE III BARRICADE
- CONSTRUCTION WORK ZONE
- TEMPORARY 2\"/>

NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.



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REVIEWED	DPA	02/12/13

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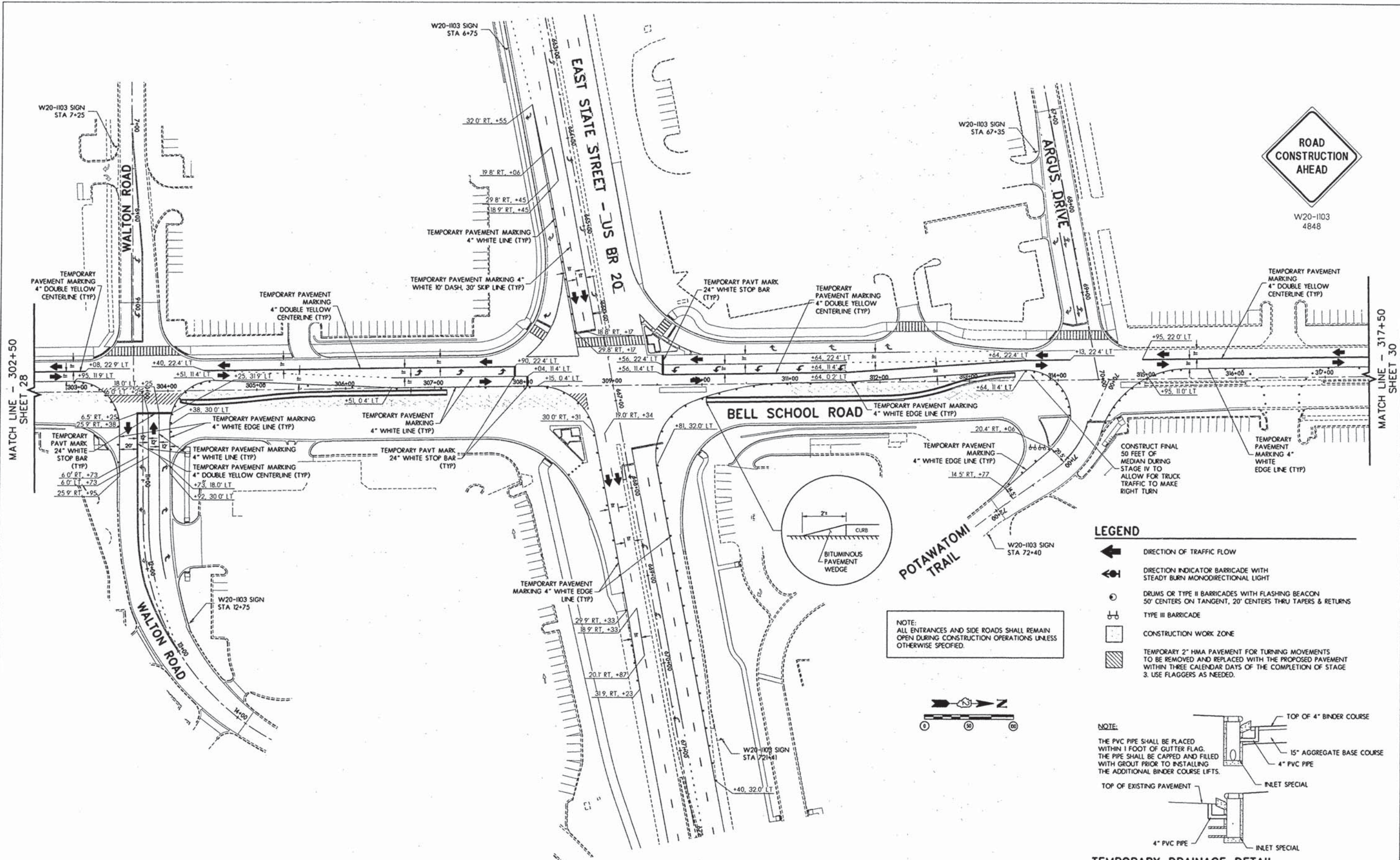


TRAFFIC CONTROL AND STAGING PLAN - STAGE III

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

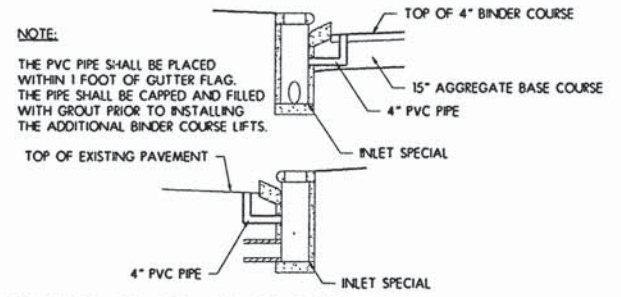
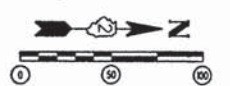


W20-1103
4848



- LEGEND**
- DIRECTION OF TRAFFIC FLOW
 - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON 50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
 - TYPE III BARRICADE
 - CONSTRUCTION WORK ZONE
 - TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE 3. USE FLAGGERS AS NEEDED.

NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.



TEMPORARY DRAINAGE DETAIL

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DRAWN	MWH	02/17/13
REVIEWED	DPA	02/12/13

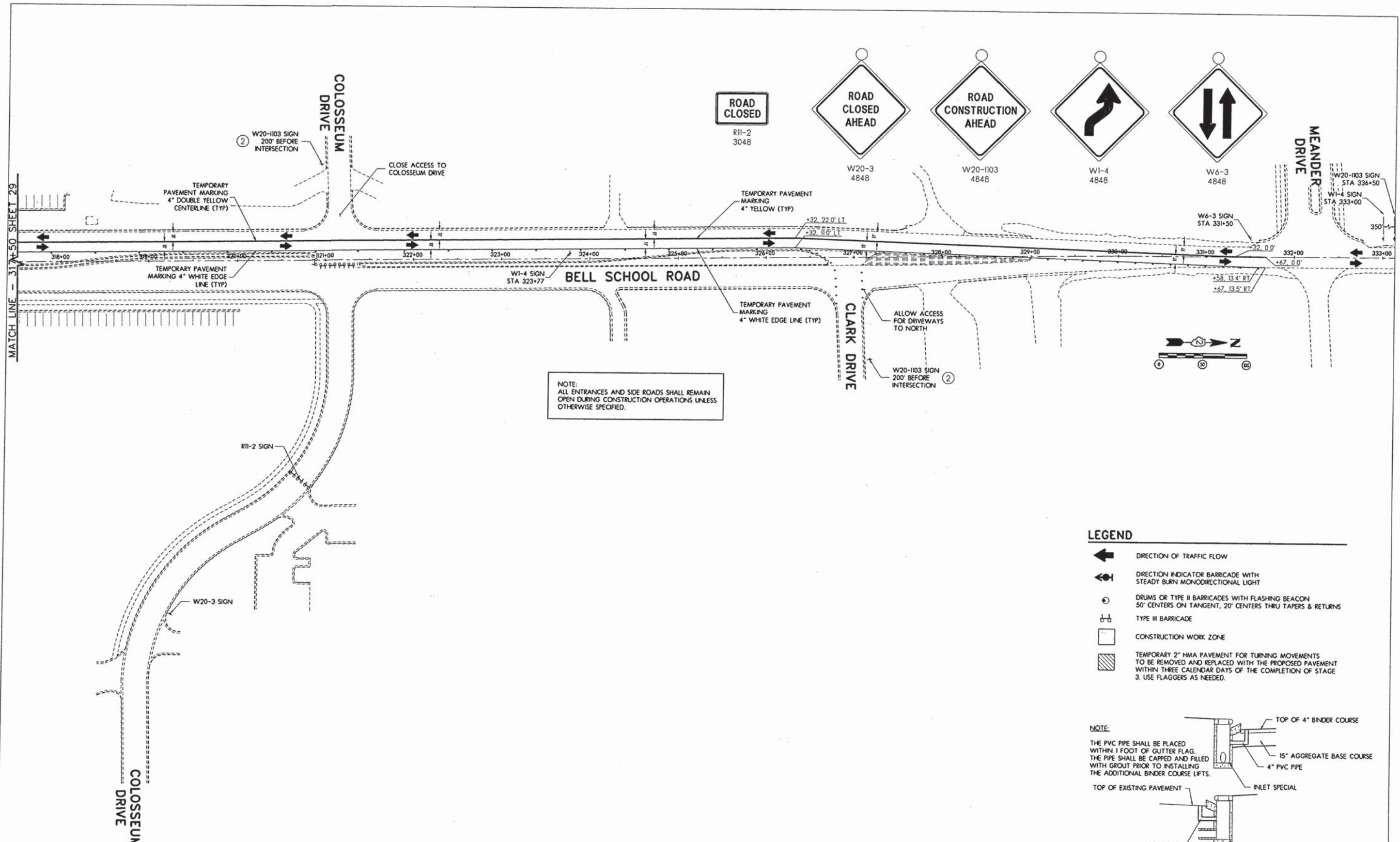
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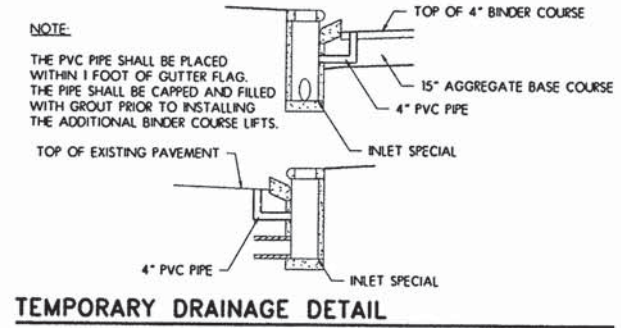
TRAFFIC CONTROL AND STAGING PLAN - STAGE III

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	29
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



NOTE:
ALL ENTRANCES AND SIDE ROADS SHALL REMAIN OPEN DURING CONSTRUCTION OPERATIONS UNLESS OTHERWISE SPECIFIED.

- LEGEND**
- ← DIRECTION OF TRAFFIC FLOW
 - ↔ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ⊙ DRUMS OR TYPE II BARRICADES WITH FLASHING BEACON 50' CENTERS ON TANGENT, 20' CENTERS THRU TAPERS & RETURNS
 - ⊕ TYPE III BARRICADE
 - ▭ CONSTRUCTION WORK ZONE
 - ▨ TEMPORARY 2" HMA PAVEMENT FOR TURNING MOVEMENTS TO BE REMOVED AND REPLACED WITH THE PROPOSED PAVEMENT WITHIN THREE CALENDAR DAYS OF THE COMPLETION OF STAGE 3. USE FLAGGERS AS NEEDED.



LAYOUT	MWH	12/10/10
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REVIEWED	DPA	02/12/13

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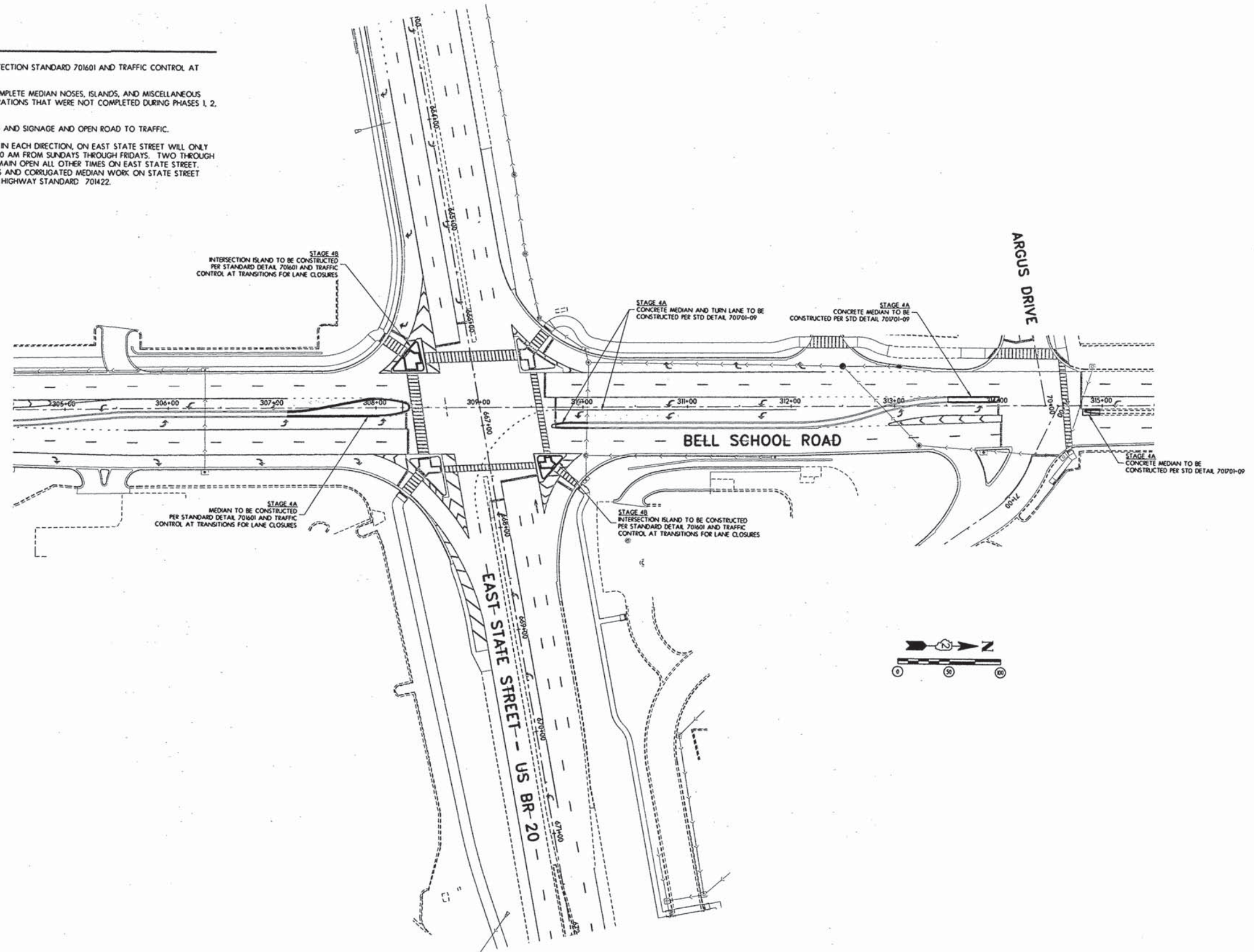


TRAFFIC CONTROL AND STAGING PLAN - STAGE III

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	30
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

STAGE IV

1. UTILIZE TRAFFIC CONTROL AND PROTECTION STANDARD 701601 AND TRAFFIC CONTROL AT TRANSITIONS FOR LANE CLOSURES.
2. PERFORM REMAINING WORK TO COMPLETE MEDIAN NOSES, ISLANDS, AND MISCELLANEOUS OTHER MINOR CONSTRUCTION OPERATIONS THAT WERE NOT COMPLETED DURING PHASES 1, 2, AND 3.
3. INSTALL FINAL PAVEMENT MARKING AND SIGNAGE AND OPEN ROAD TO TRAFFIC.
4. CLOSURE OF THROUGH LANES, ONE IN EACH DIRECTION, ON EAST STATE STREET WILL ONLY BE ALLOWED FROM 8:00 PM TO 7:00 AM FROM SUNDAYS THROUGH FRIDAYS. TWO THROUGH LANES IN EACH DIRECTION WILL REMAIN OPEN ALL OTHER TIMES ON EAST STATE STREET. NIGHT TIME CLOSURES FOR PATCHES AND CORRUGATED MEDIAN WORK ON STATE STREET SHALL BE COMPLETED USING STATE HIGHWAY STANDARD 701422.



LAYOUT	12/10/10
DRAWN	02/12/13
REVIEWED	02/12/13

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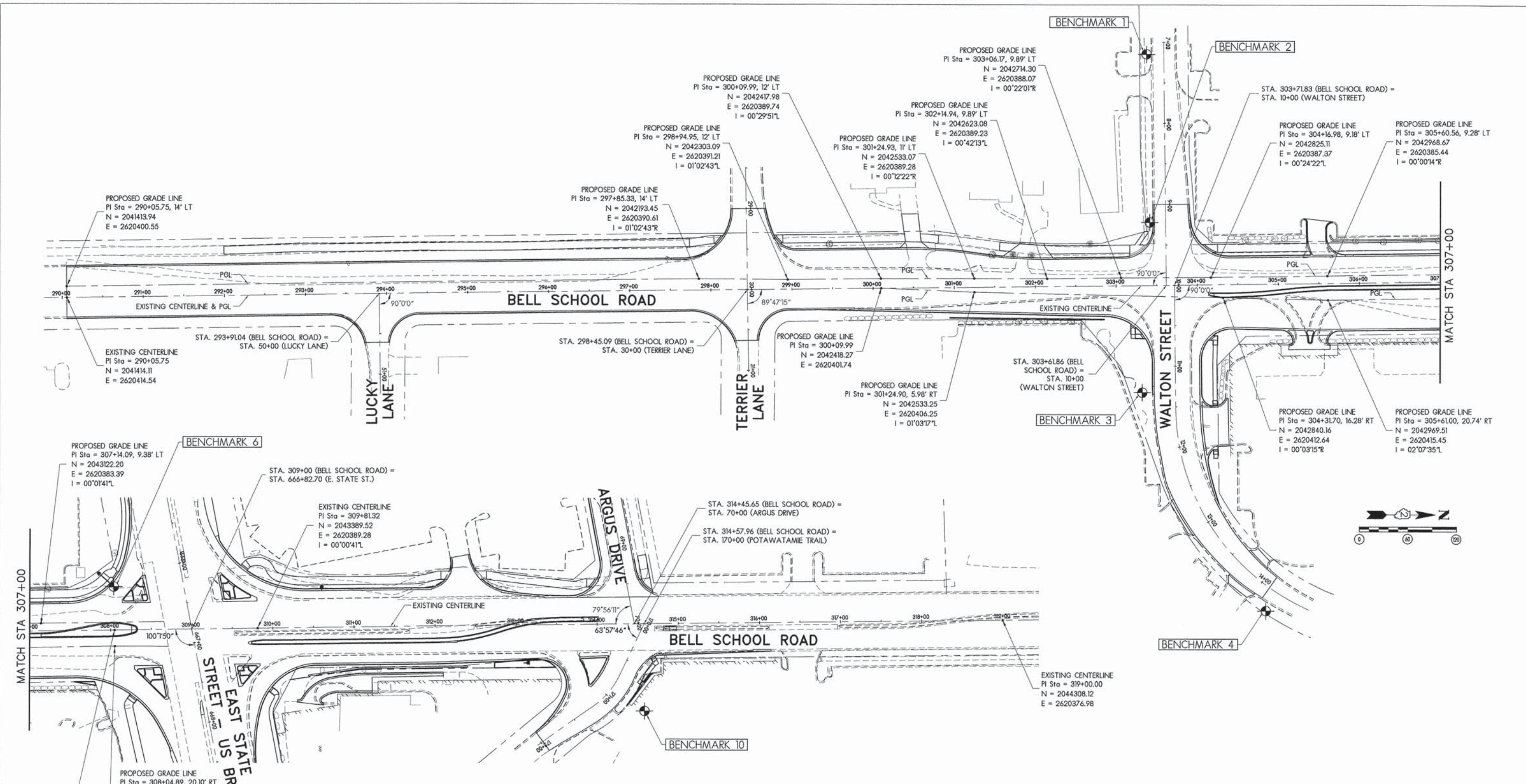
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ARC DESIGN
RESOURCES INC.

TRAFFIC CONTROL AND STAGING PLAN - STAGE IV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 85616	



BENCHMARKS			
DESCRIPTION	ELEVATION (USGS)	DESCRIPTION	ELEVATION (USGS)
BENCHMARK 1 "M" In Mueller on top of Fire Hydrant Located 21' Rt of Walton Street Centerline, Sta. 7+15	856.64	BENCHMARK 4 "M" In Mueller on top of Fire Hydrant Located 26' Rt of Walton Street Centerline, Sta. 14+23	852.09
BENCHMARK 2 "M" In Mueller on top of Fire Hydrant Located 20' Rt of Walton Street Centerline, Sta. 9+22	858.61	BENCHMARK 6 SE Bolt of Fire Hydrant Located 85' Rt of State Street Centerline, Sta. 666+13	865.38
BENCHMARK 3 "M" In Mueller on top of Fire Hydrant Located 41' Rt of Walton Street Centerline, Sta. 11+32	855.64	BENCHMARK 10 Top of South Side of Concrete Foundation Located 108' Rt of Bell School Road Centerline, Sta. 314+57	871.42

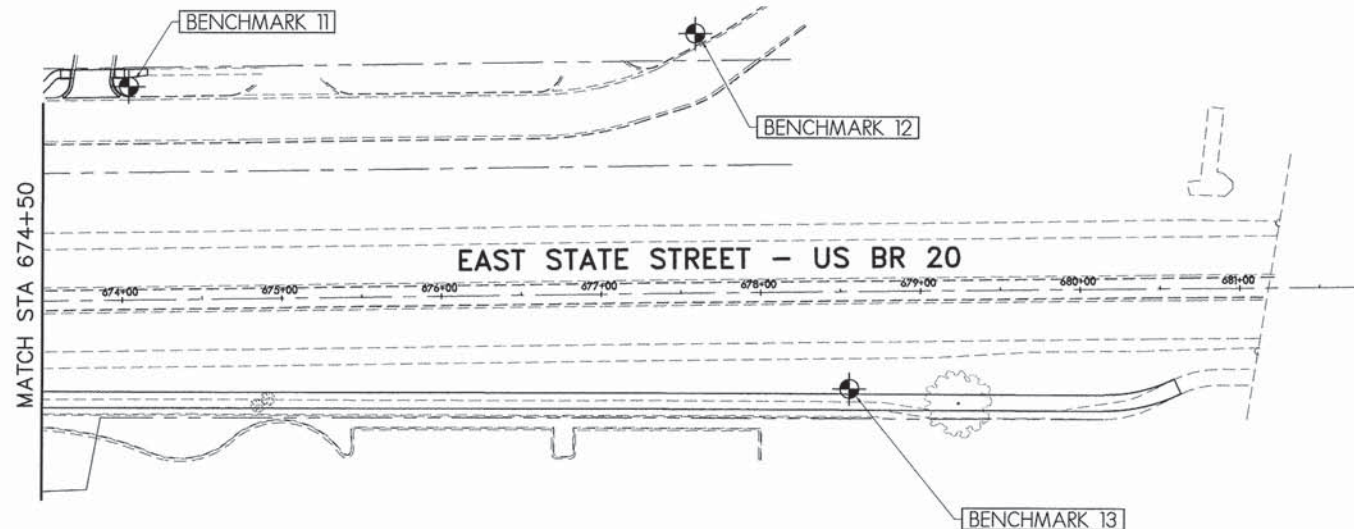
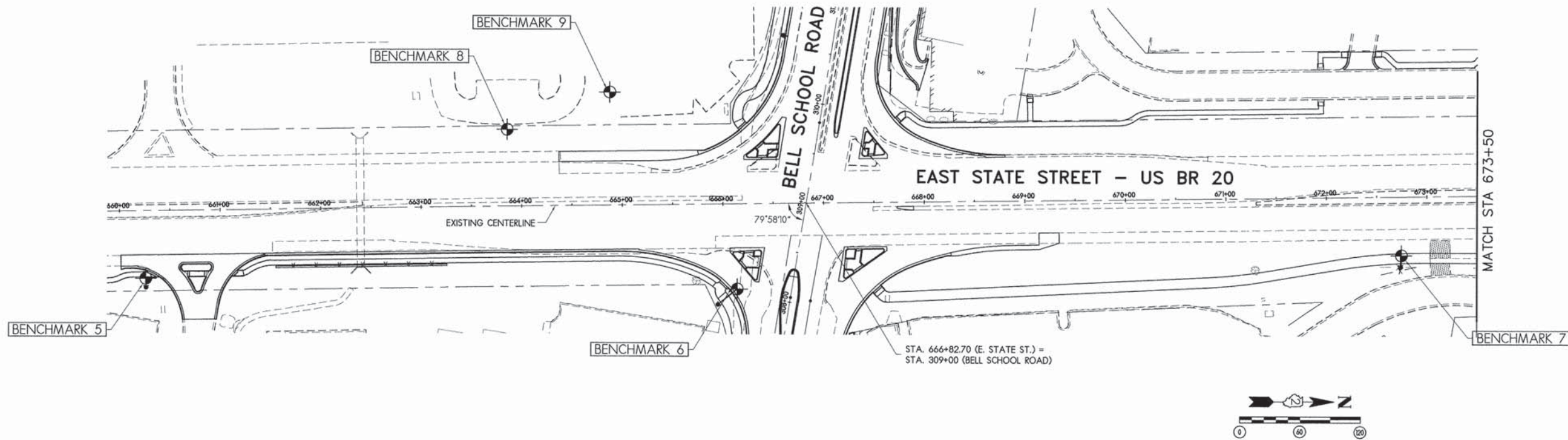
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		DATE - #DATE#	REVISED - -



GENERAL ALIGNMENT AND BENCHMARKS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	32
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



BENCHMARKS			
DESCRIPTION	ELEVATION (USGS)	DESCRIPTION	ELEVATION (USGS)
BENCHMARK 5 West Bolt of Fire Hydrant Located 67.5' Rt of State Street Centerline, Sta. 660+25	859.83	BENCHMARK 9 Top of South Side of Concrete Foundation Located 113' Lt of State Street Centerline, Sta. 664+89	862.22
BENCHMARK 6 SE Bolt of Fire Hydrant Located 85' Rt of State Street Centerline, Sta. 666+13	865.38	BENCHMARK 11 "M" in Mueller on top of Fire Hydrant Located 134' Lt of State Street Centerline, Sta. 674+05	863.80
BENCHMARK 7 "M" in Mueller on top of Fire Hydrant Located 58.5' Rt of State Street Centerline, Sta. 672+74	857.55	BENCHMARK 12 "M" in Mueller on top of Fire Hydrant Located 163' Lt of State Street Centerline, Sta. 677+60	851.84
BENCHMARK 8 Top of South Side of Concrete Foundation Located 77' Lt of State Street Centerline, Sta. 663+86	858.94	BENCHMARK 13 "M" in Mueller on top of Fire Hydrant Located 61' Rt of State Street Centerline, Sta. 678+55	846.76

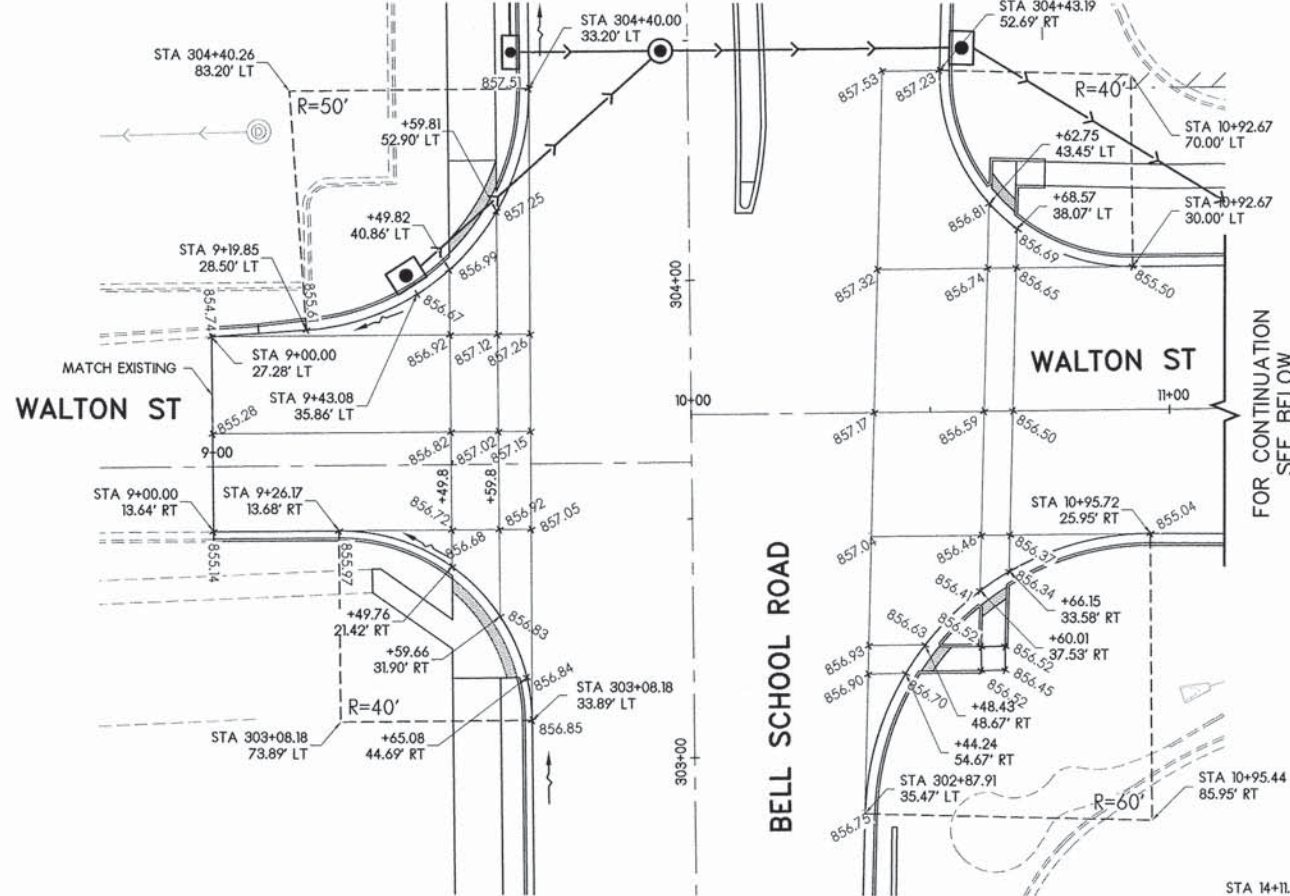
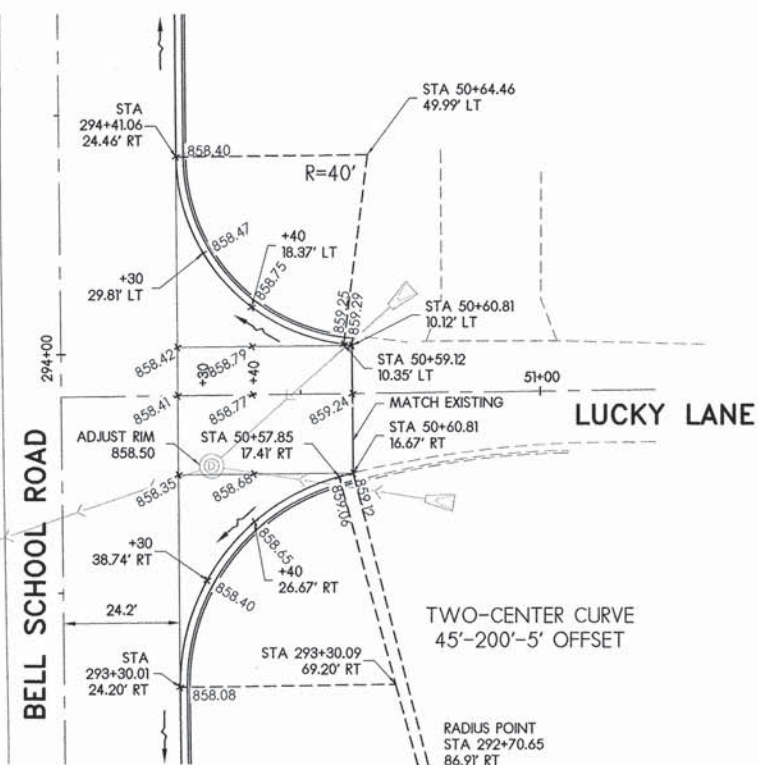
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GENERAL ALIGNMENT AND BENCHMARKS

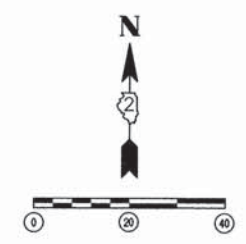
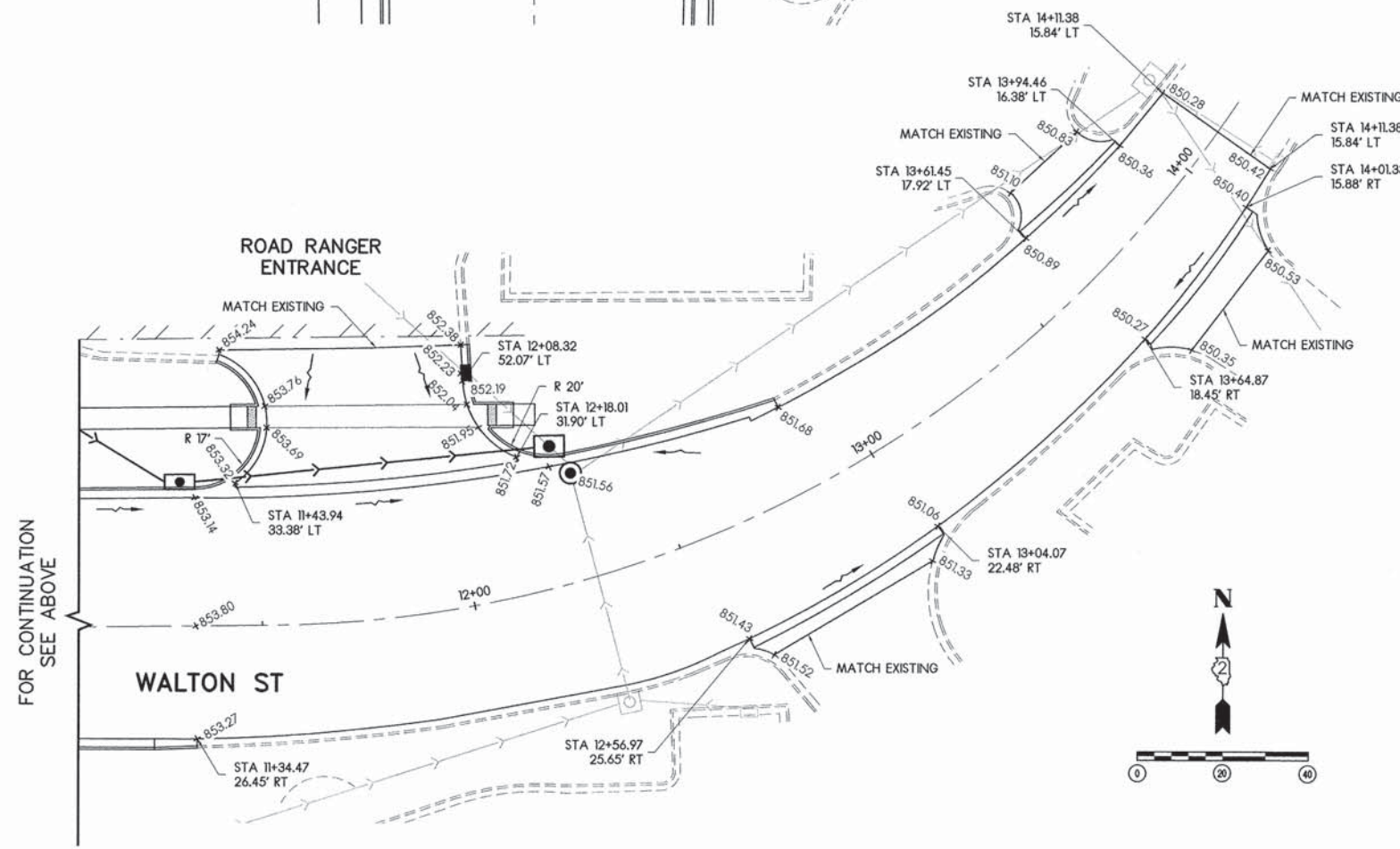
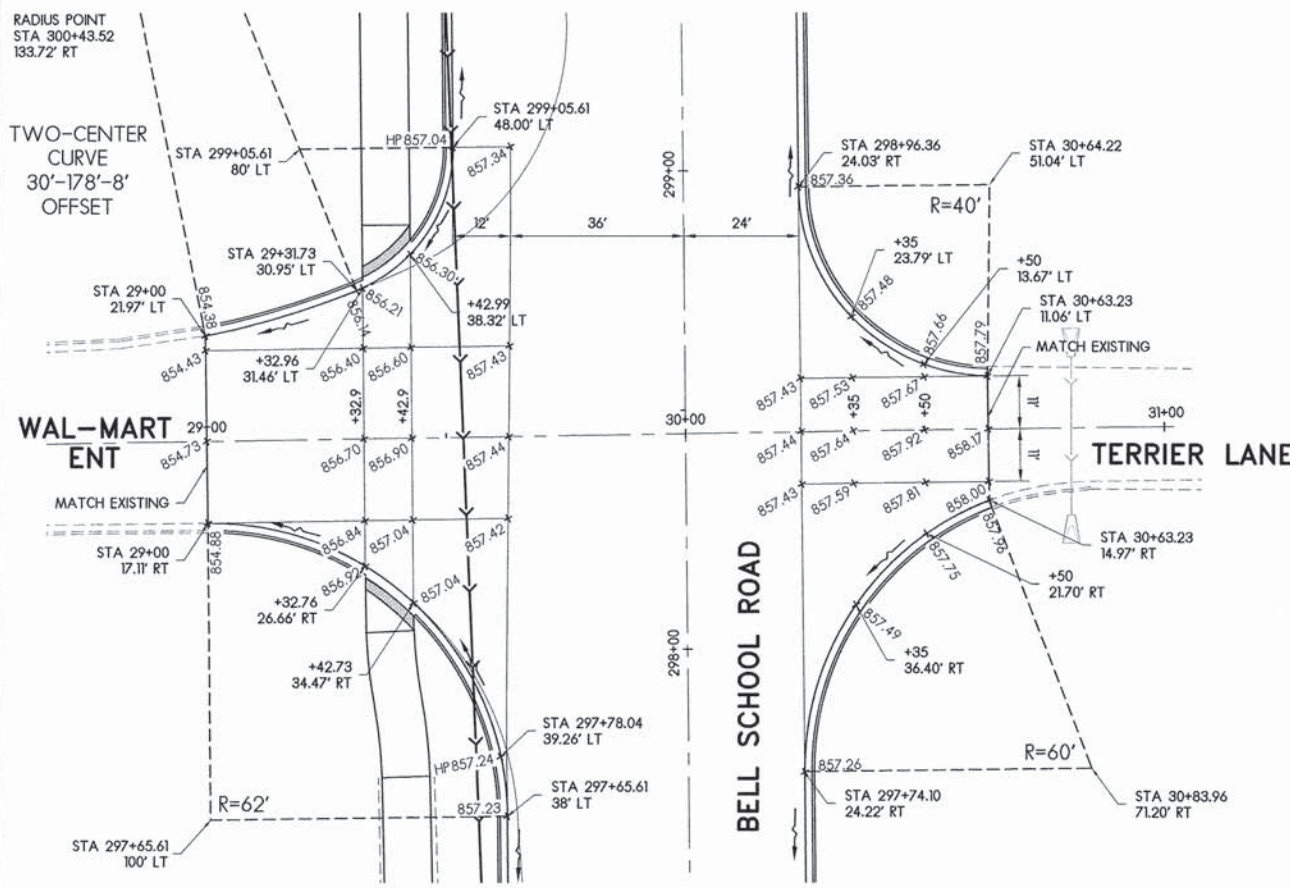
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	33
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LEGEND

→ DIRECTION OF FLOW

NOTE:
 ALL ELEVATIONS ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.
 SEE CROSS SECTIONS FOR SIDE ROAD PROFILES.
 SEE CROSS SECTIONS FOR PATH AND SIDEWALK GRADES.



LAYOUT	12/10/10
DRAWN	MWH
REVIEWED	CPA

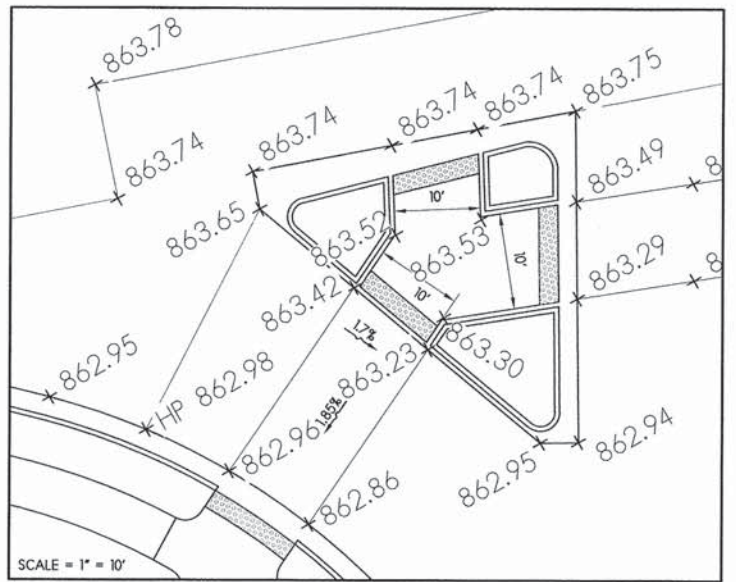
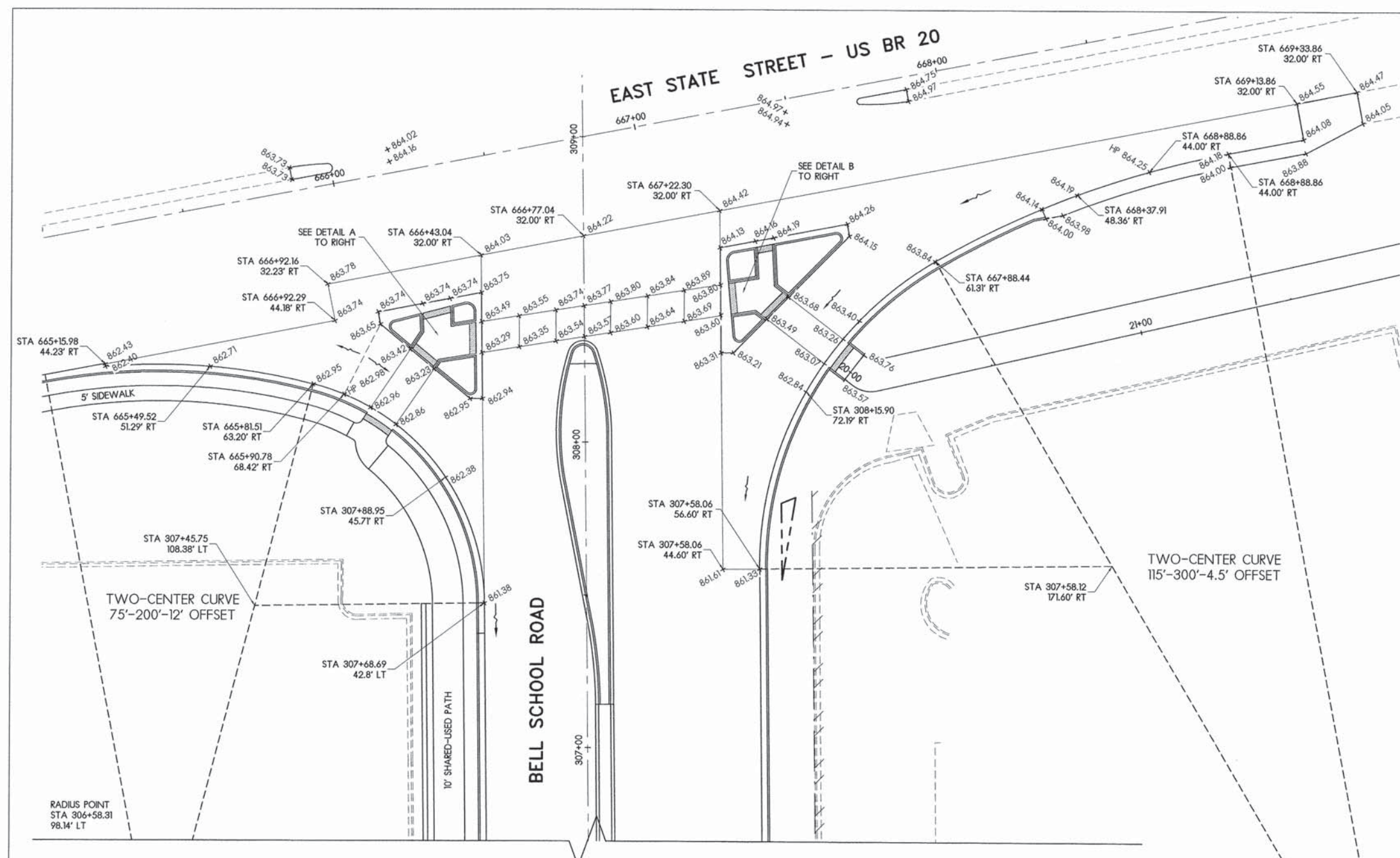
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		DATE - #DATE#	REVISED -



PAVEMENT ELEVATIONS DETAILS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	34
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

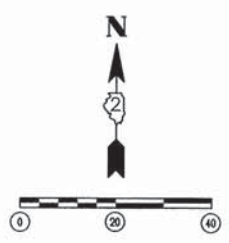
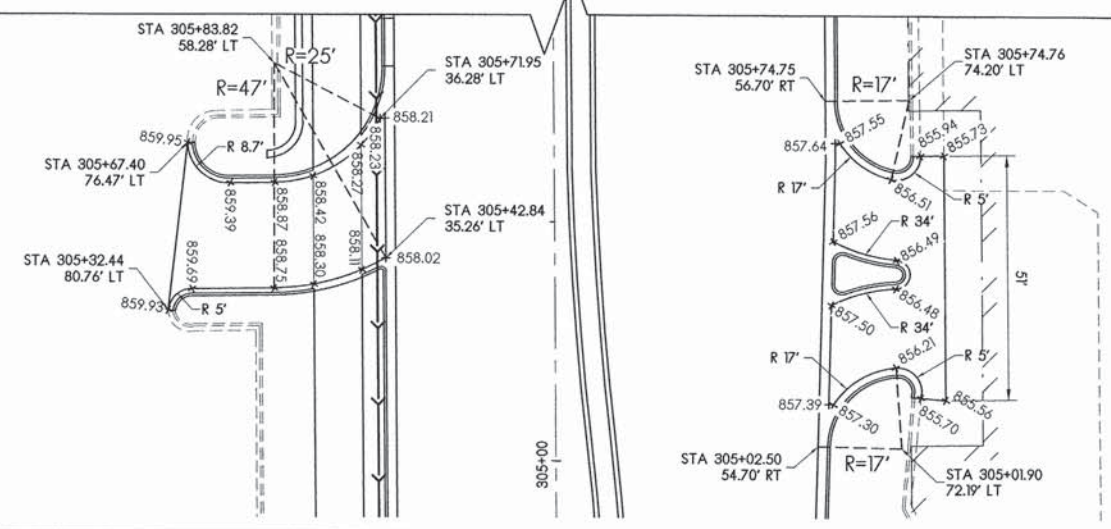
EAST STATE STREET - US BR 20



SOUTHWEST ISLAND DETAIL A



SOUTHEAST ISLAND DETAIL B



LEGEND

—> DIRECTION OF FLOW

NOTE:
 ALL ELEVATIONS ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.
 SEE CROSS SECTIONS FOR SIDE ROAD PROFILES.
 SEE CROSS SECTIONS FOR PATH AND SIDEWALK GRADES.

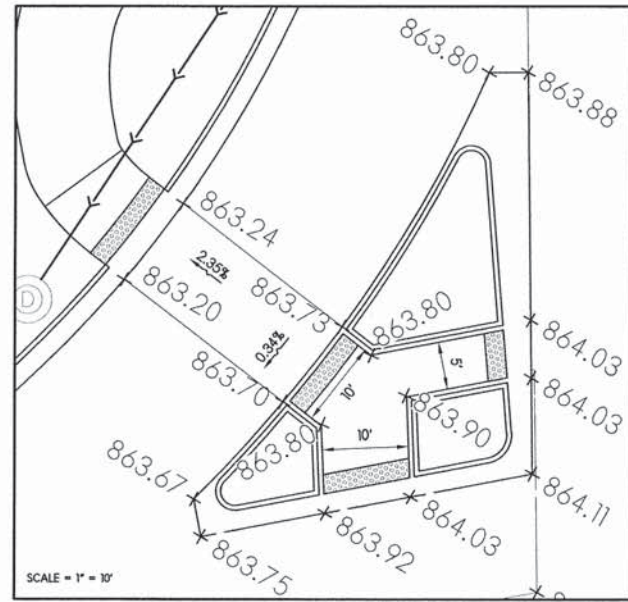
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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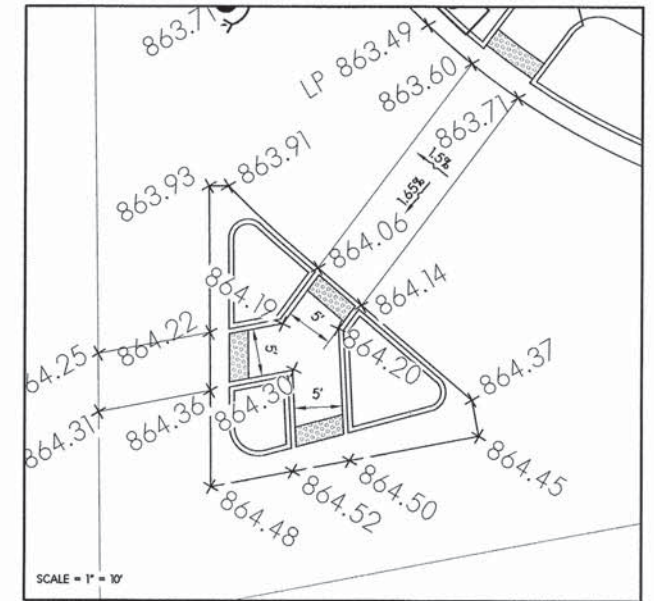


PAVEMENT ELEVATIONS DETAILS

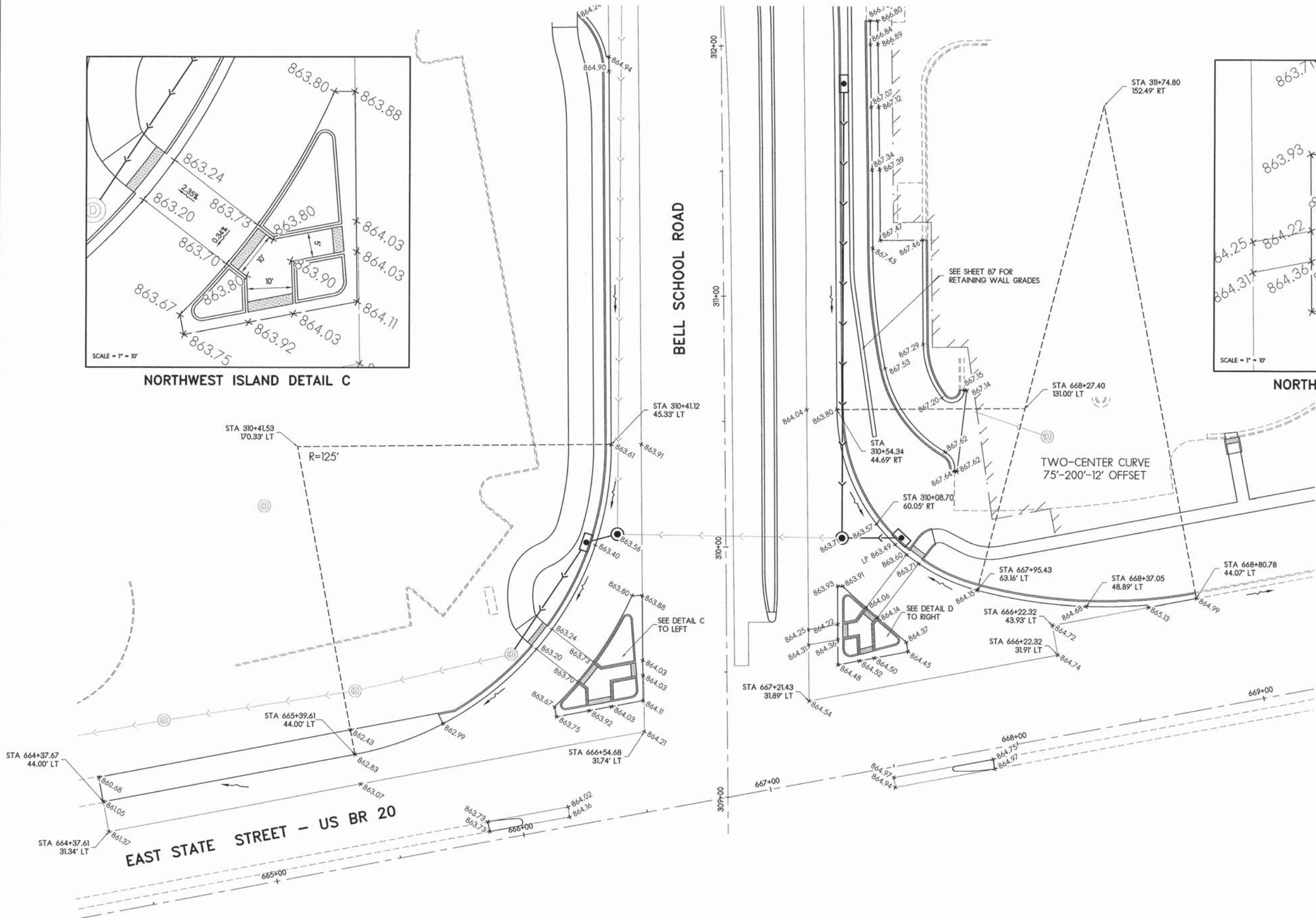
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	35
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



NORTHWEST ISLAND DETAIL C



NORTHEAST ISLAND DETAIL D



LEGEND

—> DIRECTION OF FLOW

NOTE:
 ALL ELEVATIONS ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.
 SEE CROSS SECTIONS FOR SIDE ROAD PROFILES.
 SEE CROSS SECTIONS FOR PATH AND SIDEWALK GRADES.

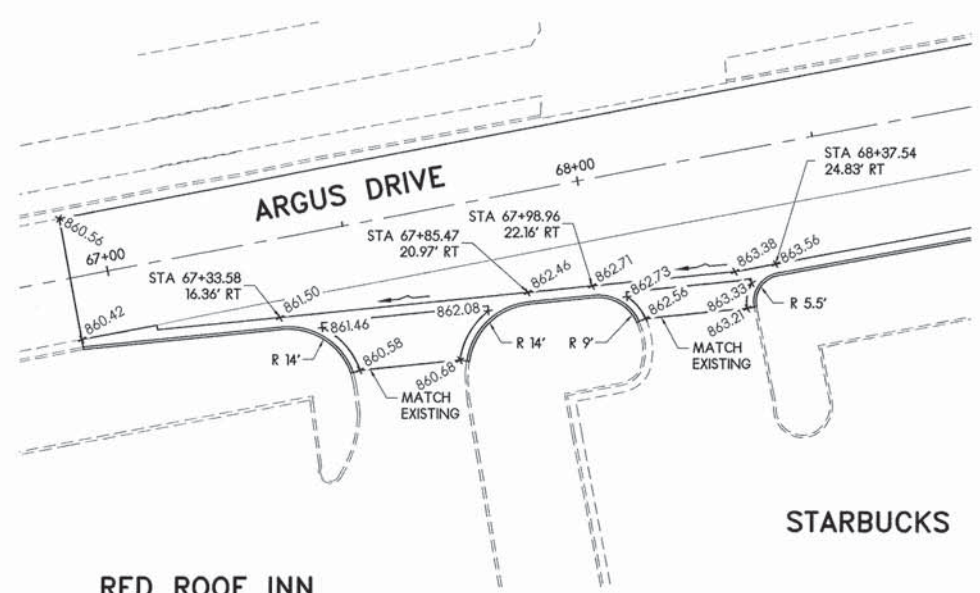
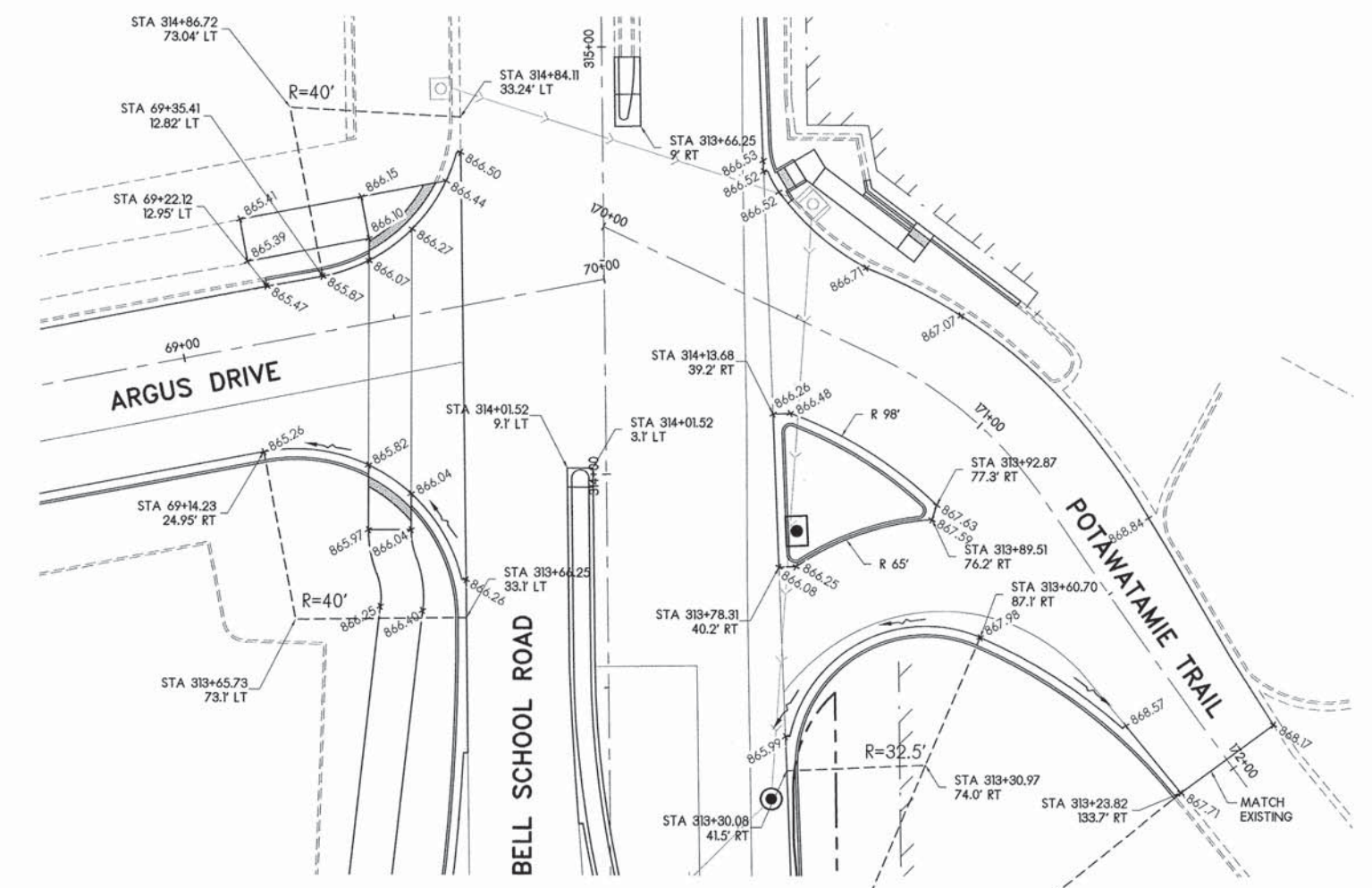
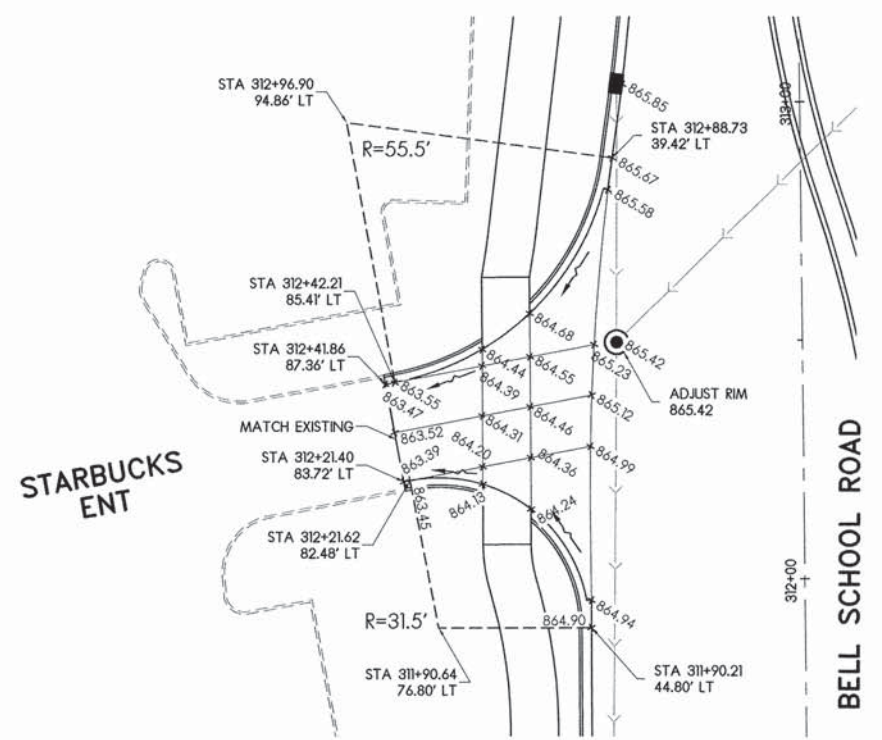
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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PAVEMENT ELEVATIONS DETAILS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	36
CONTRACT NO. 85616				
[ILLINOIS] FED. AID PROJECT				



LEGEND

DIRECTION OF FLOW
 NOTE:
 ALL ELEVATIONS ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.
 SEE CROSS SECTIONS FOR SIDE ROAD PROFILES.
 SEE CROSS SECTIONS FOR PATH AND SIDEWALK GRADES.

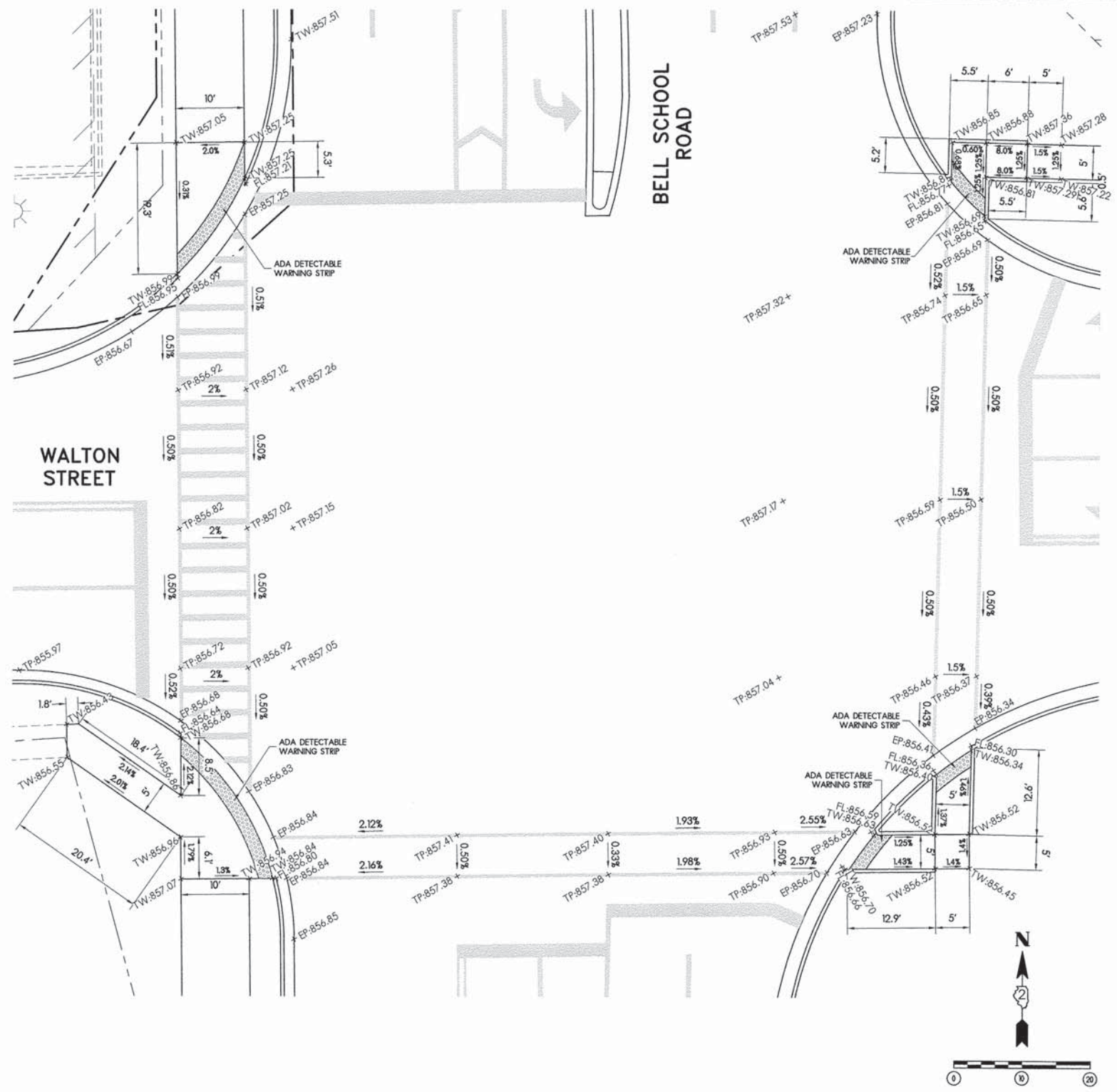
LAYOUT	12/10/10
DRAWN	MWH
REVIEWED	DPA
	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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		CHECKED - DPA	REVISED -
		DATE - #DATE#	REVISED -



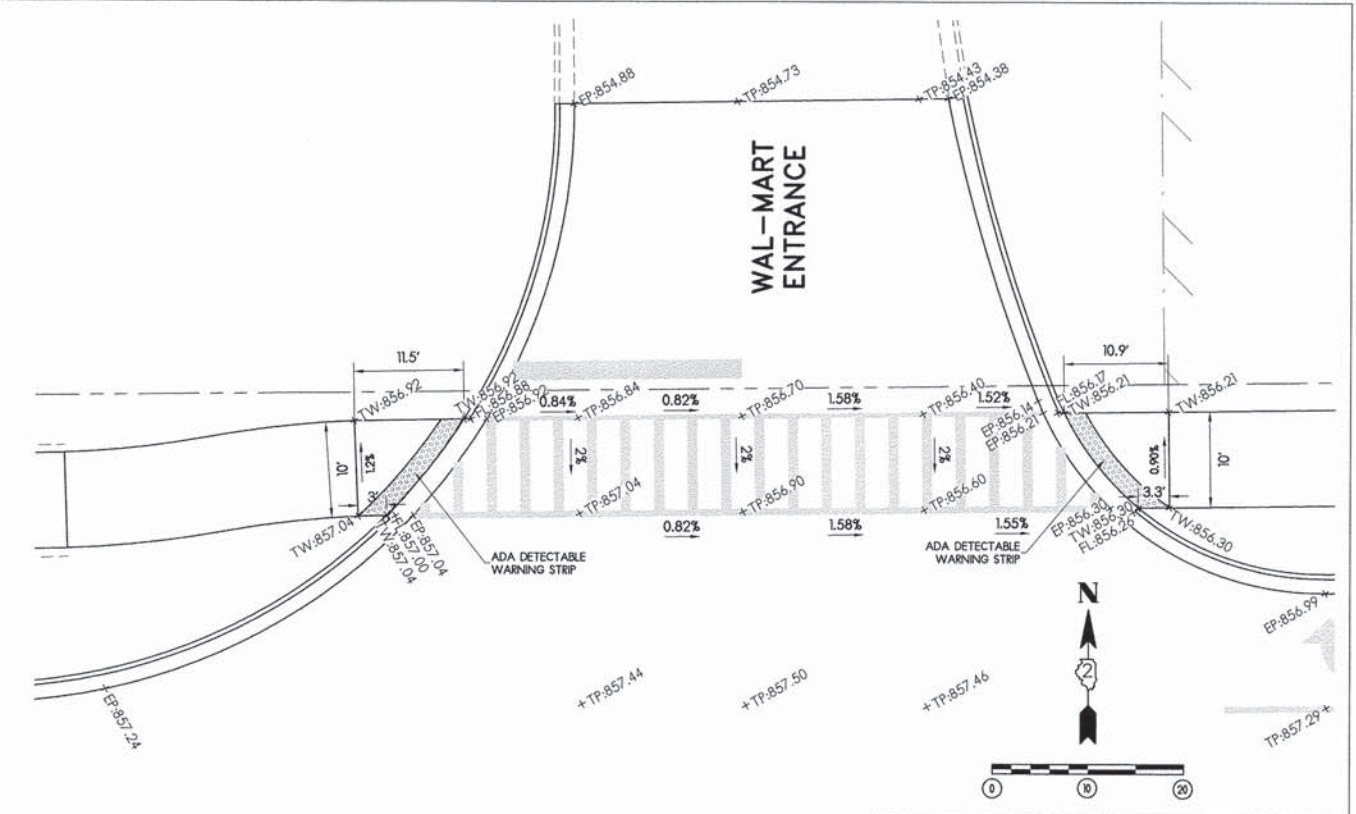
PAVEMENT ELEVATIONS DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	37
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



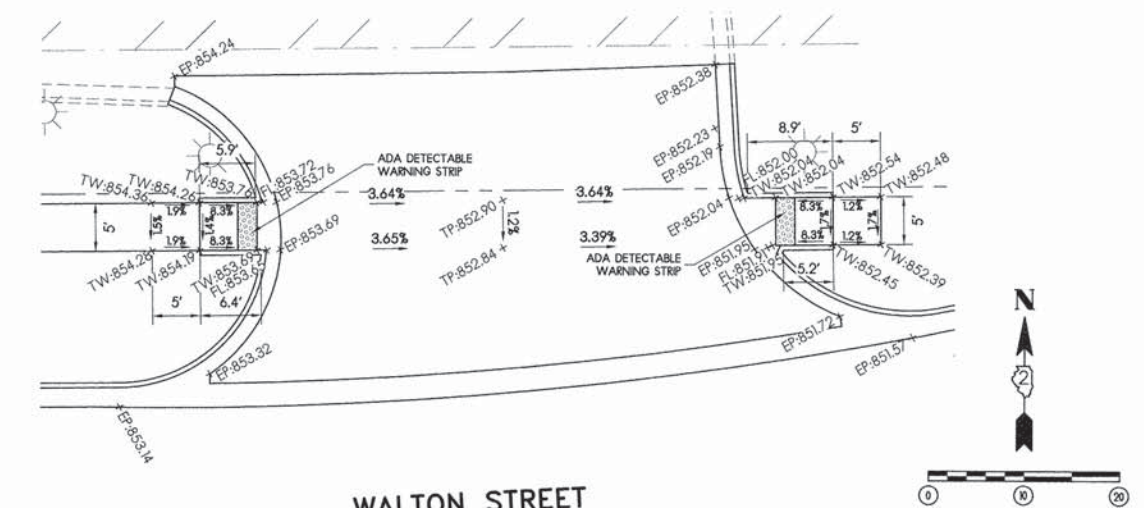
BELL SCHOOL ROAD AND WALTON STREET INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



WAL-MART ENTRANCE INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



WALTON STREET ROAD RANGER ENTRANCE/EXIT INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.

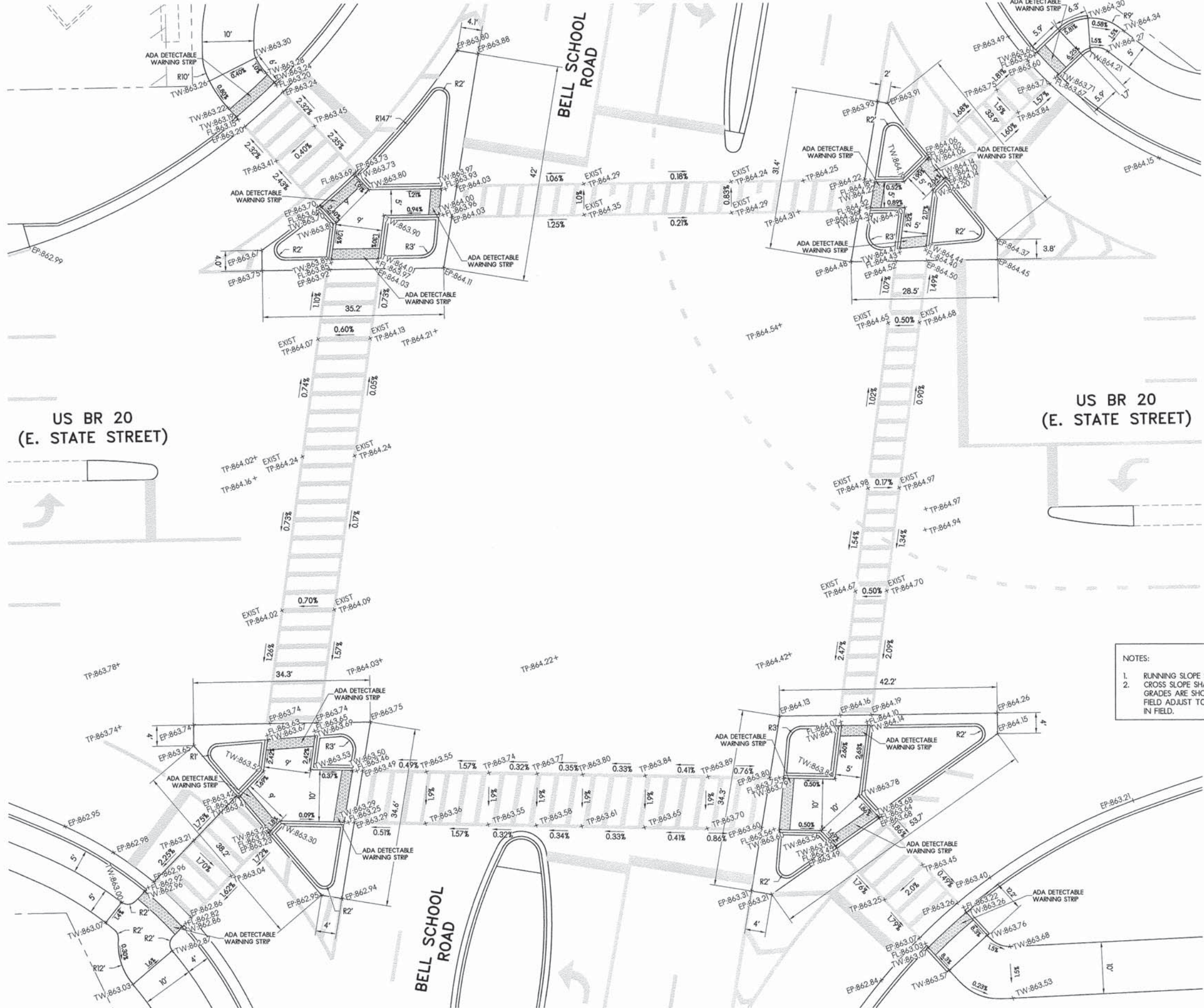
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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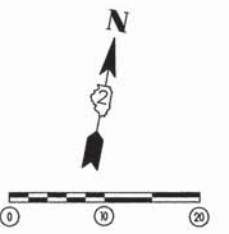
ADA RAMP DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	38
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



NOTES:

1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



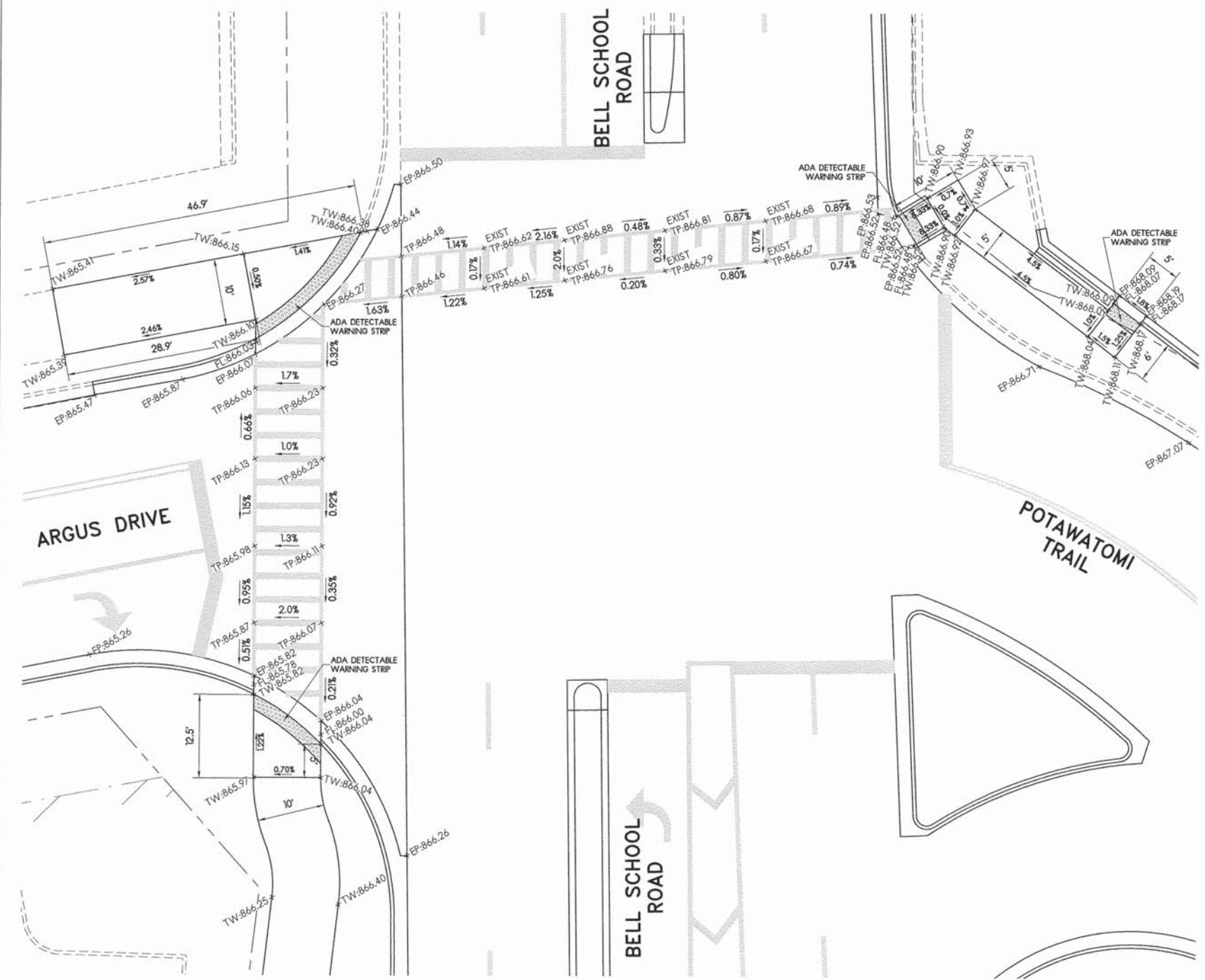
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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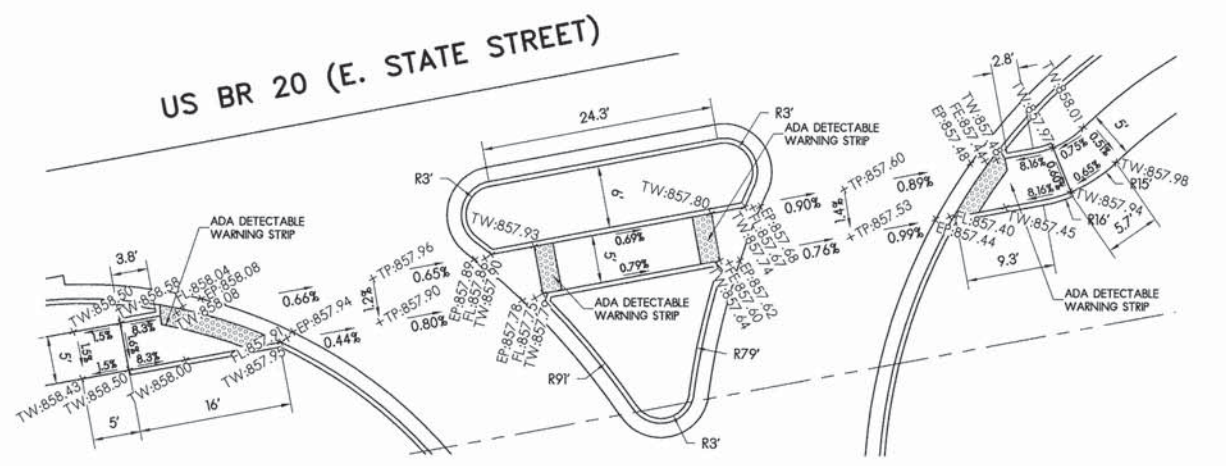
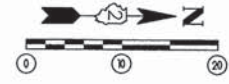
ADA RAMP DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	39
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



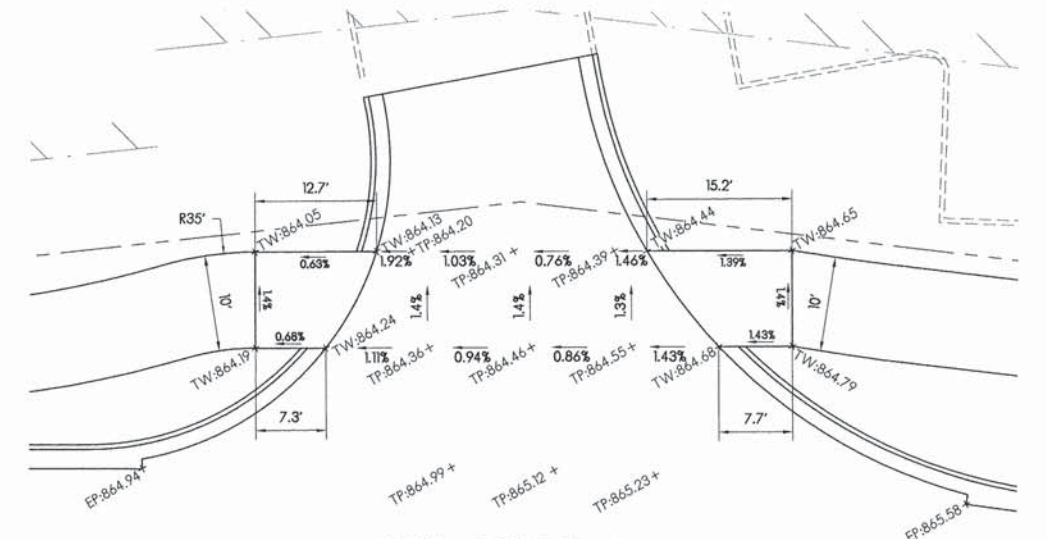
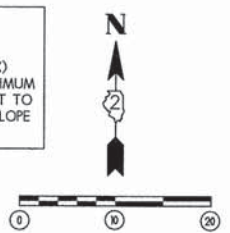
ARGUS DRIVE/POTAWATOMI TRAIL
AND BELL SCHOOL ROAD
INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



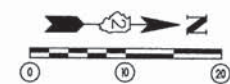
US BR 20 (E. STATE STREET)
RIGHT IN-RIGHT OUT
INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



STARBUCKS/RETAIL ACCESS DRIVE
AND BELL SCHOOL ROAD
INTERSECTION ELEVATION DETAIL

NOTES:
 1. RUNNING SLOPE SHALL NOT EXCEED 8.33% (1:12 MAX)
 2. CROSS SLOPE SHALL NOT EXCEED 2.0%. WHERE MAXIMUM GRADES ARE SHOWN, CONTRACTOR SHALL ATTEMPT TO FIELD ADJUST TO ATTEMPT 1.5% MAXIMUM CROSS SLOPE IN FIELD.



MWH 12/10/10
 MWH 02/12/13
 DPA 02/12/13

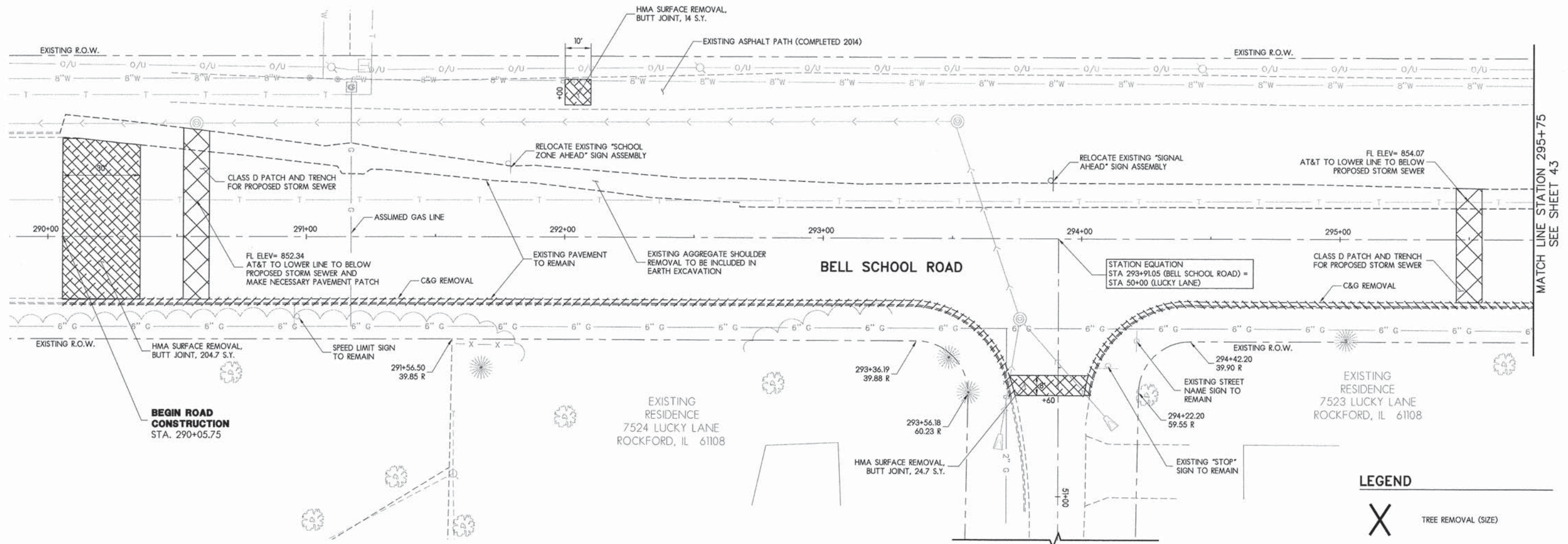
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	PLOT DATE = #DATE#	DATE - #DATE1#	REVISED -



ADA RAMP DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	40
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

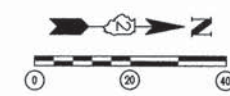
WALMART
7219 WALTON STREET
ROCKFORD, IL 61108



MATCH LINE STATION 295+75
SEE SHEET 43

LEGEND

	TREE REMOVAL (SIZE)
	FULL DEPTH PAVEMENT REMOVAL
	PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
	HMA SURFACE REMOVAL BUTT JOINT
	HMA SURFACE REMOVAL 1-1/2" EDGE MILL
	HMA BIKE PATH REMOVAL
	CLASS B PAVEMENT PATCHING
	CURB AND GUTTER REMOVAL
	STORM SEWER REMOVAL



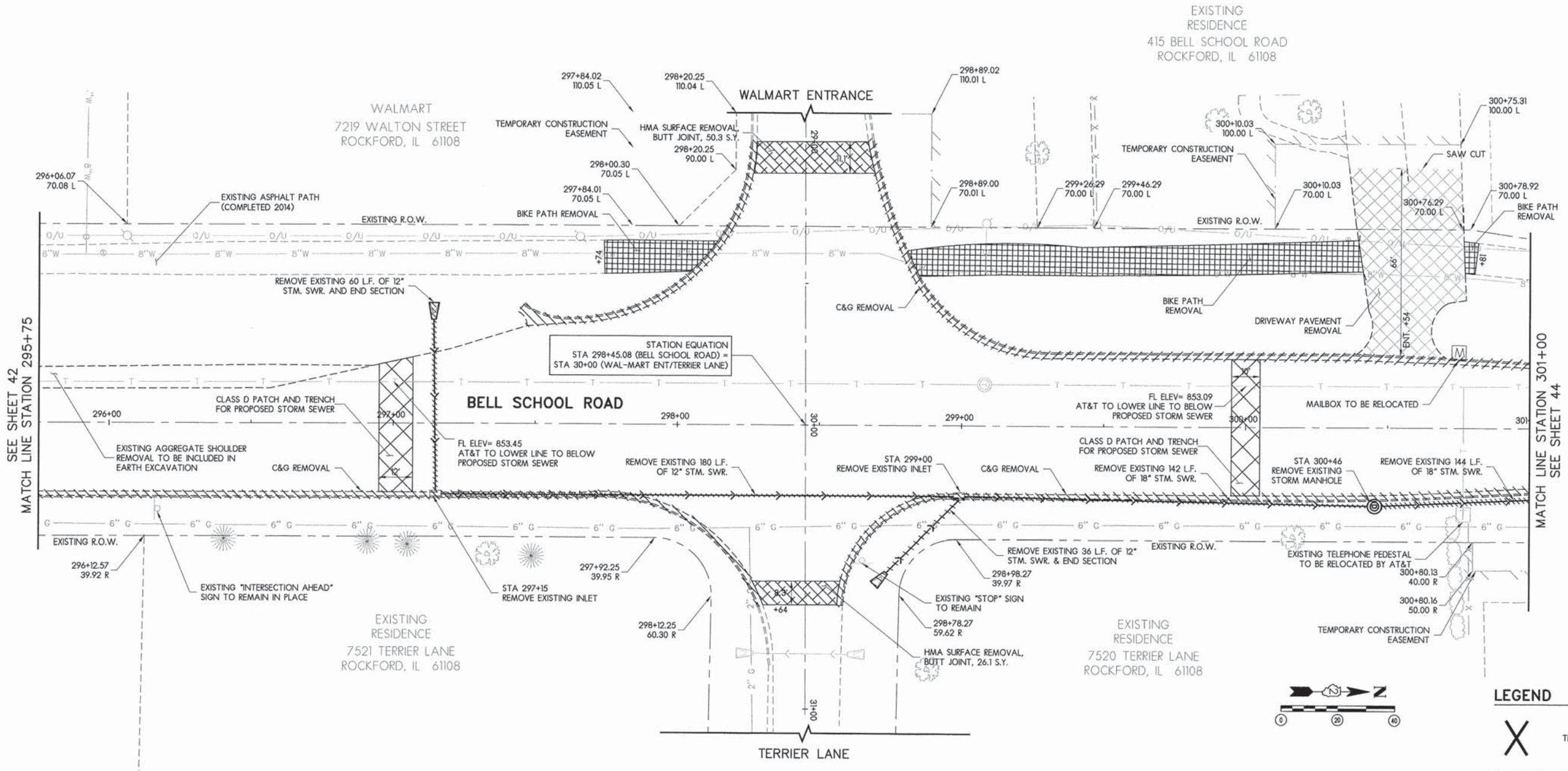
LAYOUT	12/10/10
DRAWN	MWH
REVIEWED	DPA
	02/12/13
	02/12/13

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REMOVAL PLAN - BELL SCHOOL ROAD, STA 290+00 TO STA 295+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	42
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



EXISTING RESIDENCE
415 BELL SCHOOL ROAD
ROCKFORD, IL 61108

WALMART
7219 WALTON STREET
ROCKFORD, IL 61108

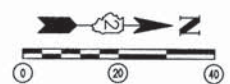
EXISTING RESIDENCE
7521 TERRIER LANE
ROCKFORD, IL 61108

EXISTING RESIDENCE
7520 TERRIER LANE
ROCKFORD, IL 61108

SEE SHEET 42
MATCH LINE STATION 295+75

MATCH LINE STATION 301+00
SEE SHEET 44

STATION EQUATION
STA 298+45.08 (BELL SCHOOL ROAD) =
STA 30+00 (WAL-MART ENT/TERRIER LANE)



LEGEND

	TREE REMOVAL (SIZE)
	FULL DEPTH PAVEMENT REMOVAL
	PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
	HMA SURFACE REMOVAL BUTT JOINT
	HMA SURFACE REMOVAL 1-1/2" EDGE MILL
	HMA BIKE PATH REMOVAL
	CLASS B PAVEMENT PATCHING
	CURB AND GUTTER REMOVAL
	STORM SEWER REMOVAL

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

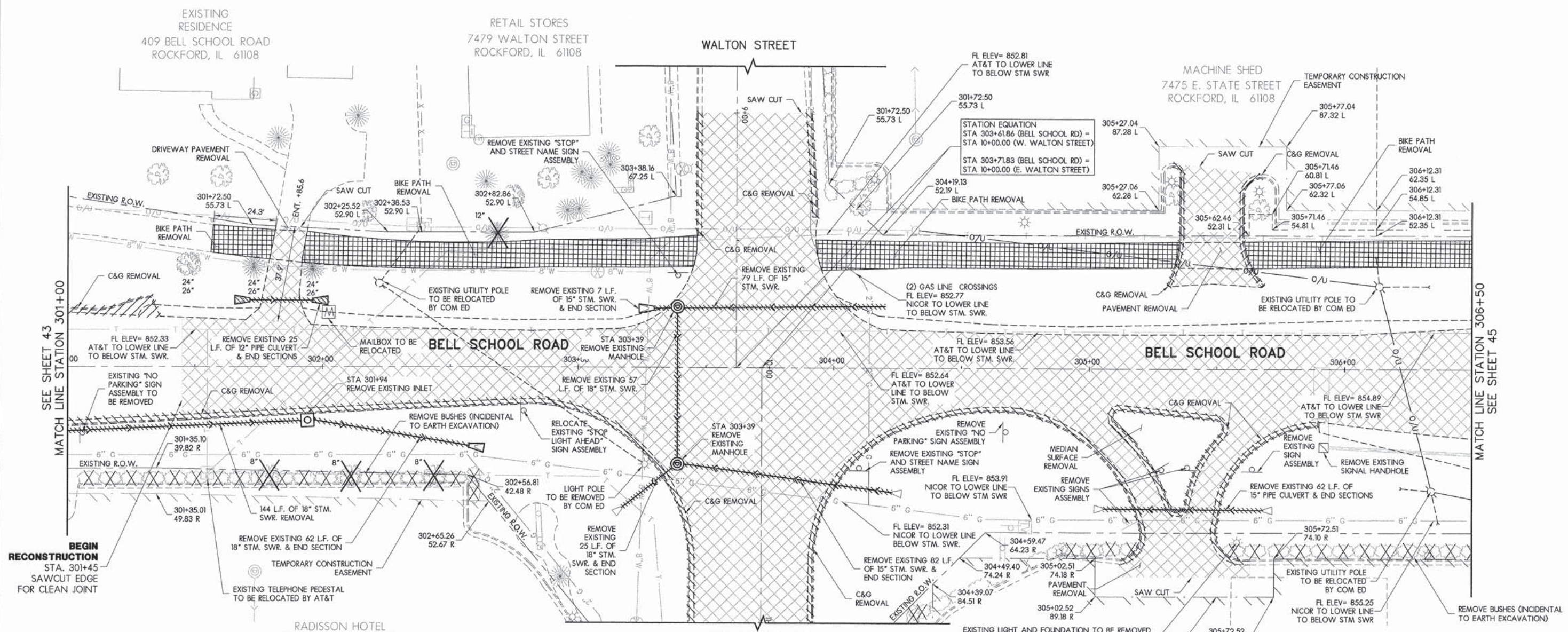
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REMOVAL PLAN - BELL SCHOOL ROAD, STA 290+75 TO STA 301+00

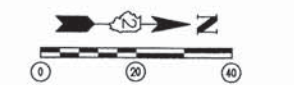
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	43
			CONTRACT NO.	85616

[ILLINOIS] FED. AID PROJECT



LEGEND

- TREE REMOVAL (SIZE)
- FULL DEPTH PAVEMENT REMOVAL
- PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
- HMA SURFACE REMOVAL BUTT JOINT
- HMA SURFACE REMOVAL 1-1/2" EDGE MILL
- HMA BIKE PATH REMOVAL
- CLASS B PAVEMENT PATCHING
- CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL



ROAD RANGER
172 BELL SCHOOL ROAD
ROCKFORD, IL 61108

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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REMOVAL PLAN - BELL SCHOOL ROAD, STA 301+00 TO STA 306+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	44
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

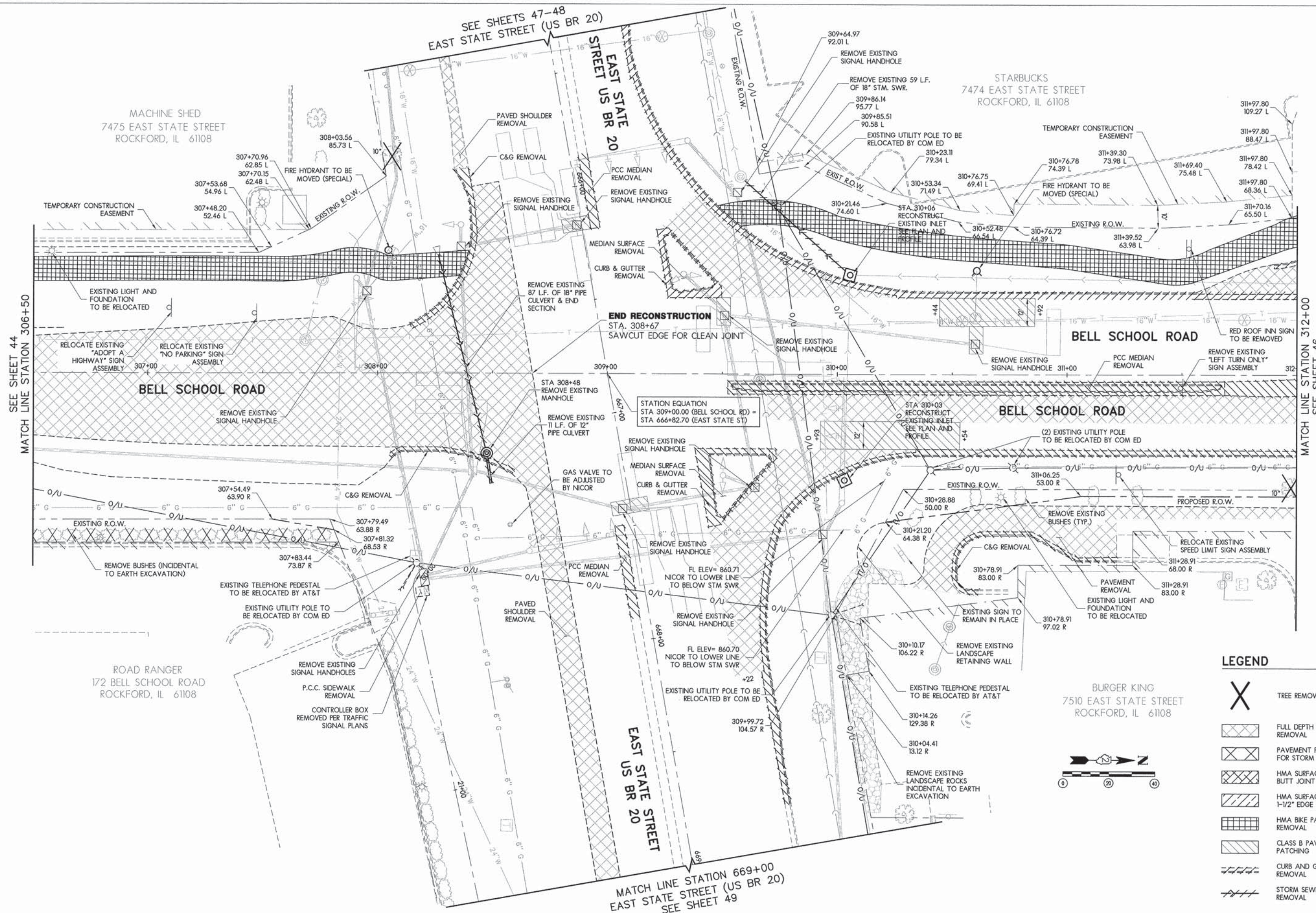
SEE SHEETS 47-48
EAST STATE STREET (US BR 20)

MACHINE SHED
7475 EAST STATE STREET
ROCKFORD, IL 61108

STARBUCKS
7474 EAST STATE STREET
ROCKFORD, IL 61108

ROAD RANGER
172 BELL SCHOOL ROAD
ROCKFORD, IL 61108

BURGER KING
7510 EAST STATE STREET
ROCKFORD, IL 61108



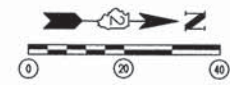
SEE SHEET 44
MATCH LINE STATION 306+50

MATCH LINE STATION 312+00
SEE SHEET 46

MATCH LINE STATION 669+00
EAST STATE STREET (US BR 20)
SEE SHEET 49

LEGEND

	TREE REMOVAL (SIZE)
	FULL DEPTH PAVEMENT REMOVAL
	PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
	HMA SURFACE REMOVAL BUTT JOINT
	HMA SURFACE REMOVAL 1-1/2" EDGE MILL
	HMA BIKE PATH REMOVAL
	CLASS B PAVEMENT PATCHING
	CURB AND GUTTER REMOVAL
	STORM SEWER REMOVAL



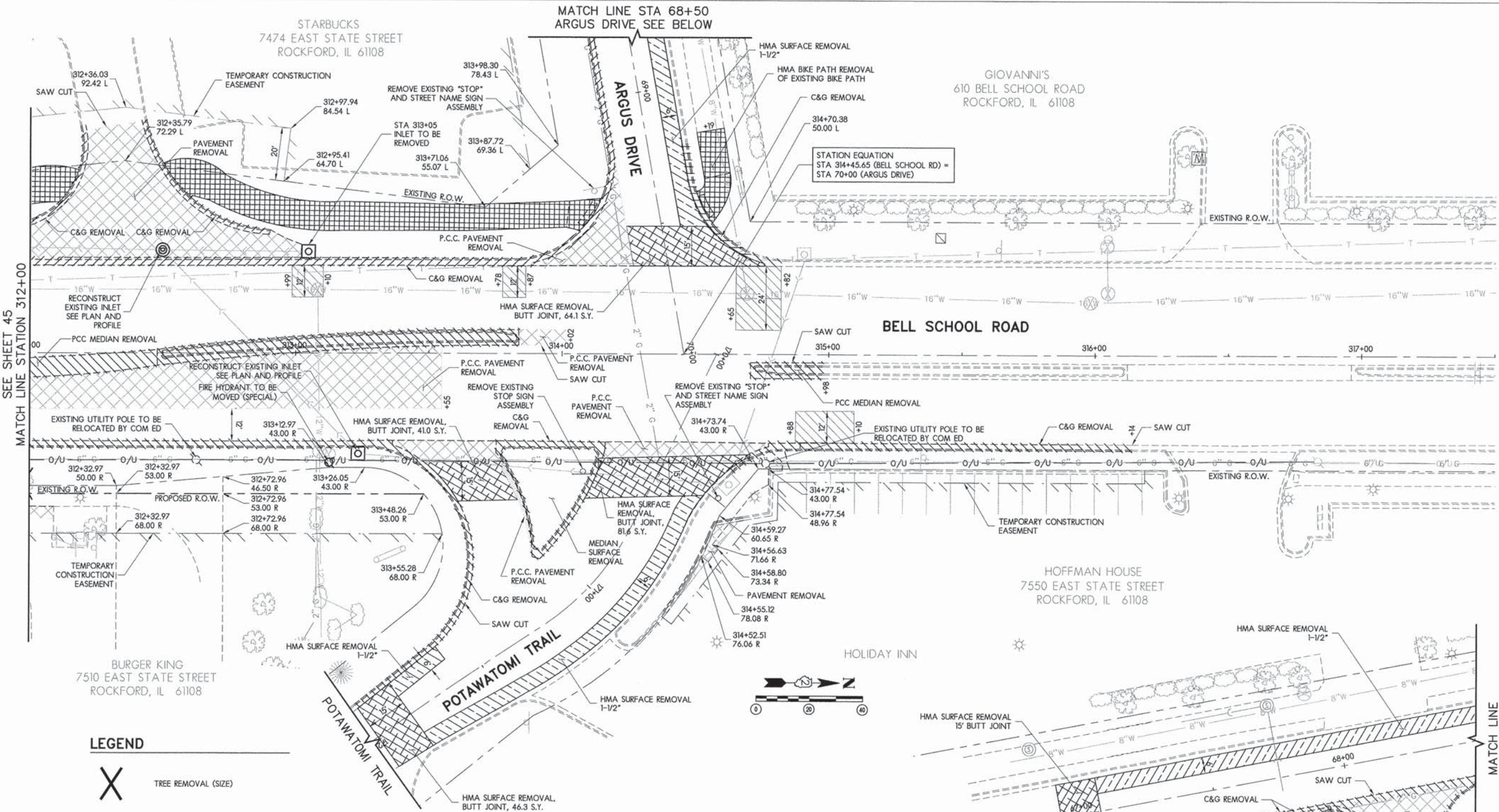
LAYOUT	12/07/10
DRAWN	MWH
REVIEWED	DPA

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REMOVAL PLAN - BELL SCHOOL ROAD, STA 306+50 TO STA 312+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	45
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

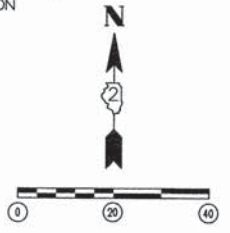
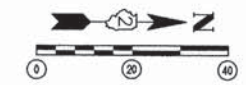


SEE SHEET 45
MATCH LINE STATION 312+00

MATCH LINE STA 68+50
ARGUS DRIVE SEE BELOW

MATCH LINE
STA 68+50
ARGUS DRIVE
SEE ABOVE

- LEGEND**
- TREE REMOVAL (SIZE)
 - FULL DEPTH PAVEMENT REMOVAL
 - PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
 - HMA SURFACE REMOVAL BUTT JOINT
 - HMA SURFACE REMOVAL 1-1/2" EDGE MILL
 - HMA BIKE PATH REMOVAL
 - CLASS B PAVEMENT PATCHING
 - CURB AND GUTTER REMOVAL
 - STORM SEWER REMOVAL



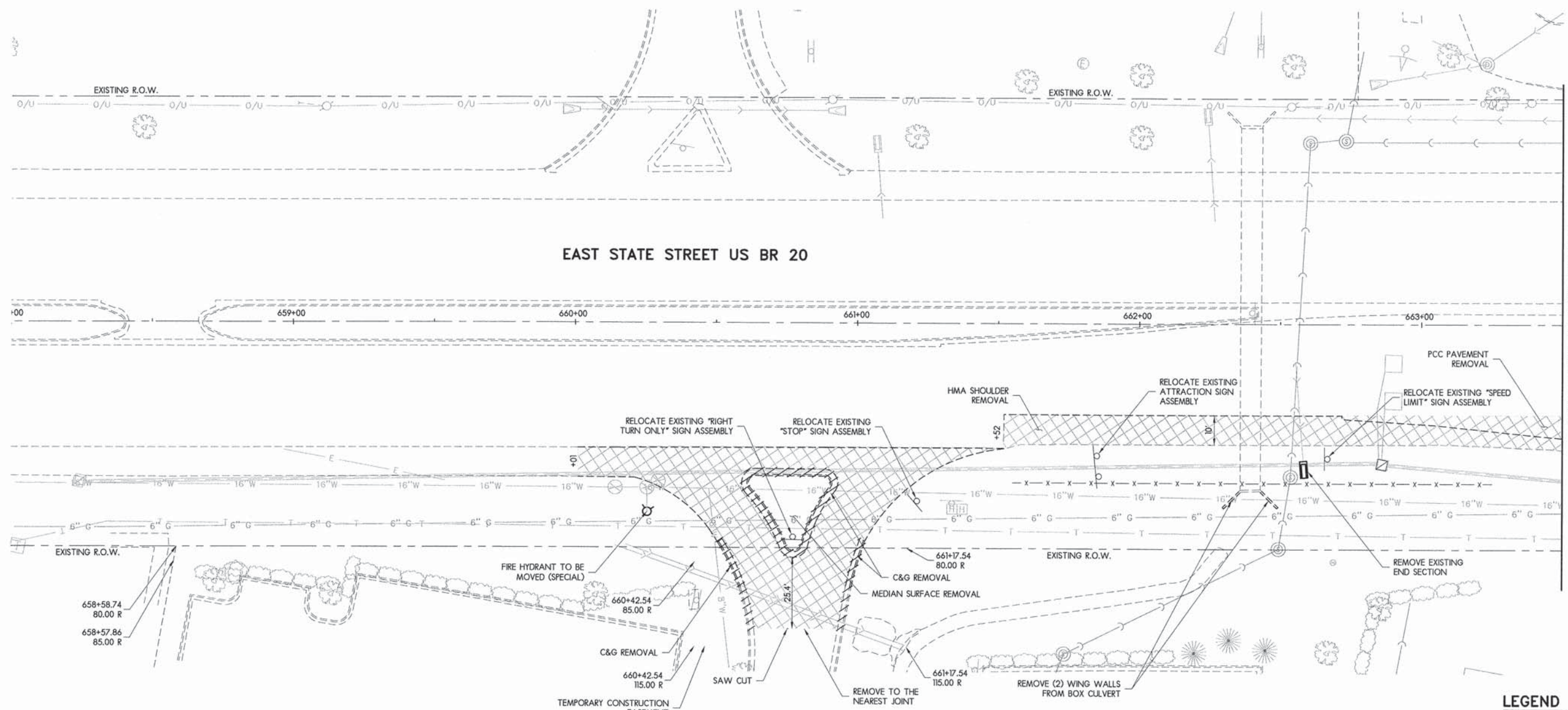
LAYOUT	MWH	12/02/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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REMOVAL PLAN - BELL SCHOOL ROAD, STA 312+00 TO STA 317+50

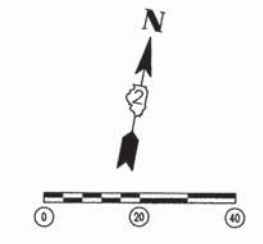
F.A.U. RTE. 5149	SECTION 04-00345-00-CH	COUNTY WINNEBAGO	TOTAL SHEETS 129	SHEET NO. 46
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



EAST STATE STREET US BR 20

MATCH LINE STATION 663+50
SEE SHEET 48

- LEGEND**
- X TREE REMOVAL (SIZE)
 - [Cross-hatched box] FULL DEPTH PAVEMENT REMOVAL
 - [Diagonal lines box] PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
 - [Diagonal lines box] HMA SURFACE REMOVAL BUTT JOINT
 - [Diagonal lines box] HMA SURFACE REMOVAL 1-1/2" EDGE MILL
 - [Grid box] HMA BIKE PATH REMOVAL
 - [Diagonal lines box] CLASS B PAVEMENT PATCHING
 - [Dashed lines box] CURB AND GUTTER REMOVAL
 - [Dashed lines box] STORM SEWER REMOVAL



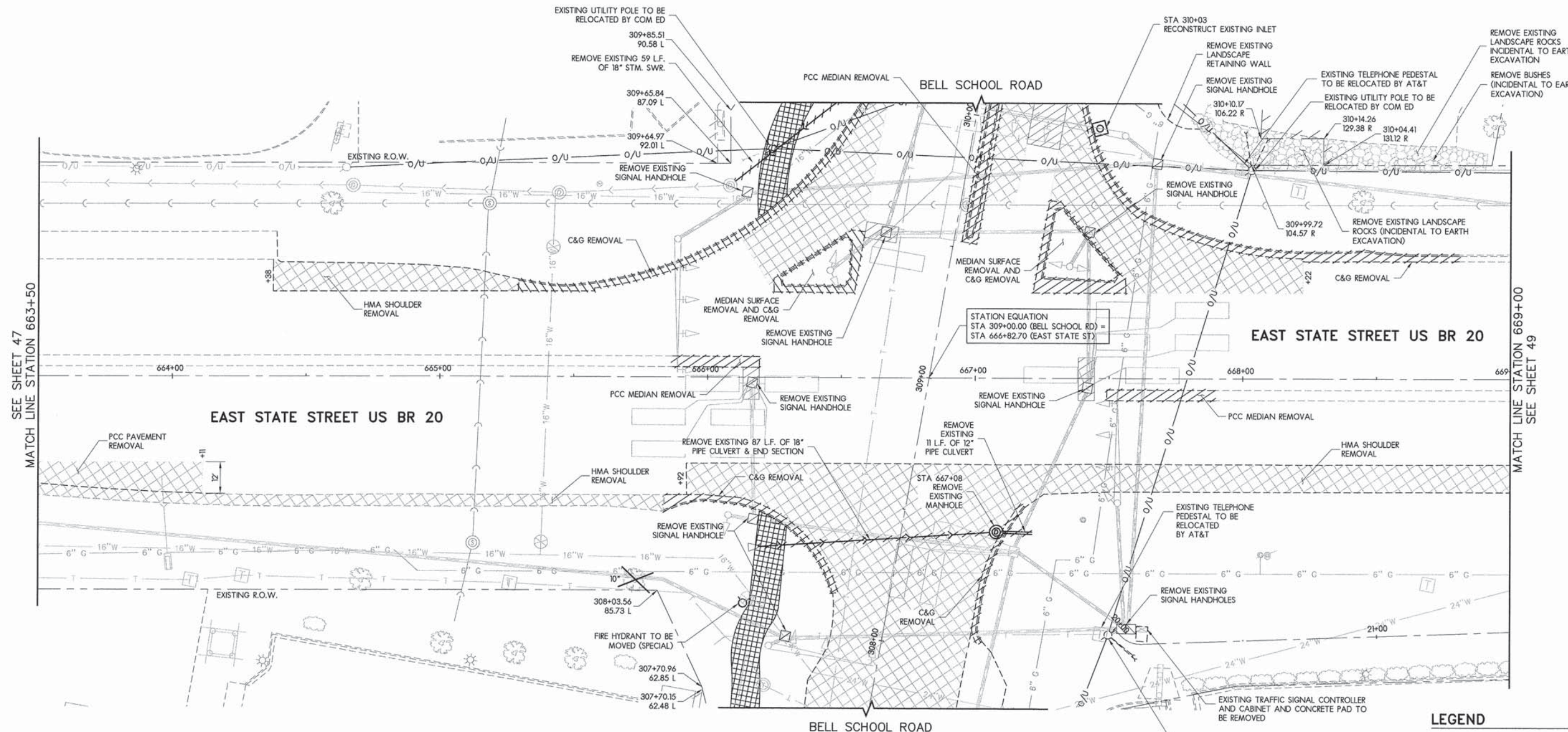
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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	PLOT DATE = #DATE#	DATE - #DATE1#	REVISED -



REMOVAL PLAN - EAST STATE STREET, STA 658+00 TO STA 663+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	47
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

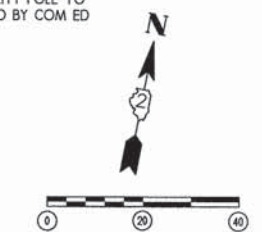


SEE SHEET 47
MATCH LINE STATION 663+50

MATCH LINE STATION 669+00
SEE SHEET 49

LEGEND

	TREE REMOVAL (SIZE)
	FULL DEPTH PAVEMENT REMOVAL
	PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
	HMA SURFACE REMOVAL BUTT JOINT
	HMA SURFACE REMOVAL 1-1/2" EDGE MILL
	HMA BIKE PATH REMOVAL
	CLASS B PAVEMENT PATCHING
	CURB AND GUTTER REMOVAL
	STORM SEWER REMOVAL



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

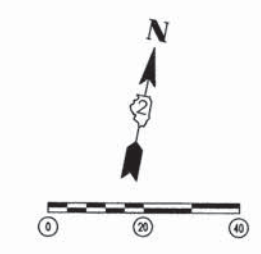
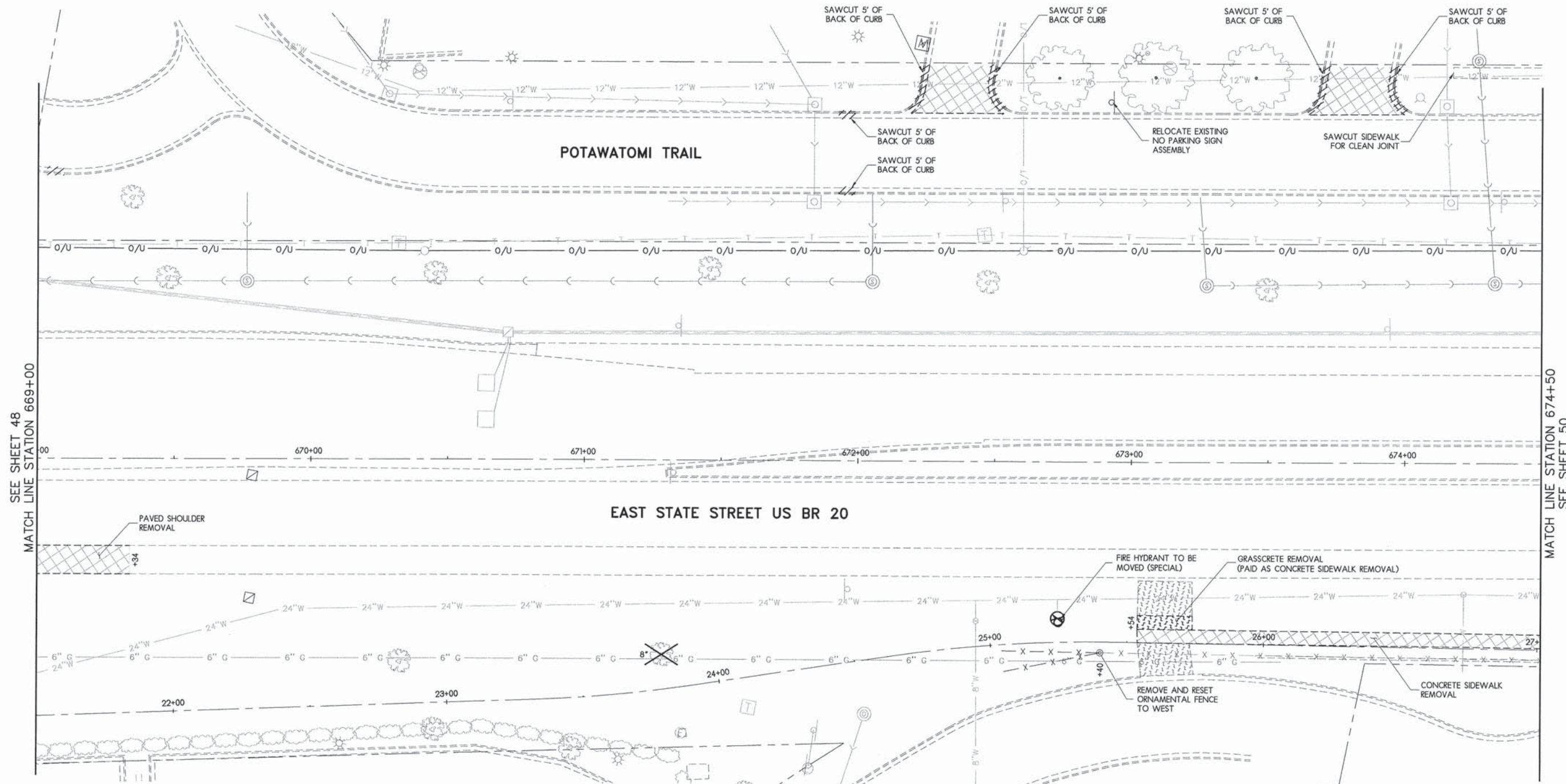
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#FILES#		DRAWN - MWH	REVISED -
		CHECKED - DPA	REVISED -
		DATE - #DATE1#	REVISED -



REMOVAL PLAN - EAST STATE STREET, STA 663+50 TO STA 669+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	48
CONTRACT NO. 85616				

ILLINOIS FED. AID PROJECT



LEGEND

- FULL DEPTH PAVEMENT REMOVAL
- PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
- HMA SURFACE REMOVAL BUTT JOINT
- HMA SURFACE REMOVAL 1-1/2" EDGE MILL
- HMA BIKE PATH REMOVAL
- CLASS B PAVEMENT PATCHING
- TREE REMOVAL (SIZE)
- CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL

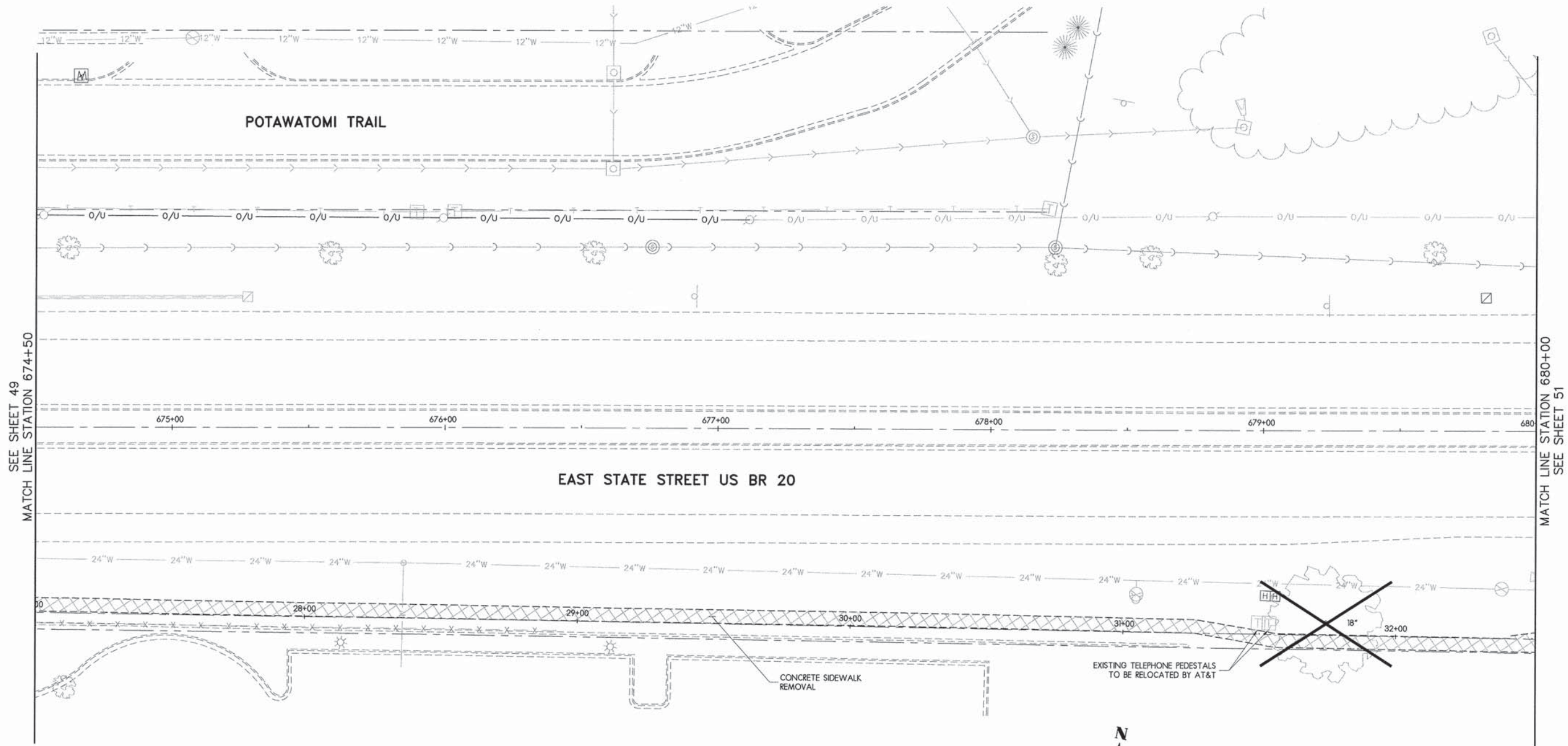
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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REMOVAL PLAN - EAST STATE STREET, STA 669+00 TO STA 674+50

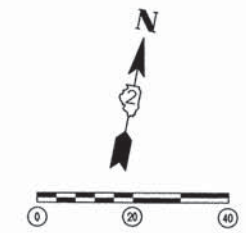
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	49
CONTRACT NO. 85616				
[ILLINOIS] FED. AID PROJECT				



SEE SHEET 49
MATCH LINE STATION 674+50

MATCH LINE STATION 680+00
SEE SHEET 51

EAST STATE STREET US BR 20



LEGEND

-  FULL DEPTH PAVEMENT REMOVAL
-  PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
-  HMA SURFACE REMOVAL BUTT JOINT
-  HMA SURFACE REMOVAL 1-1/2\"/>

LAYOUT	MWH	12/02/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

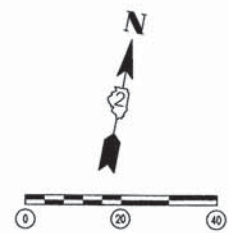
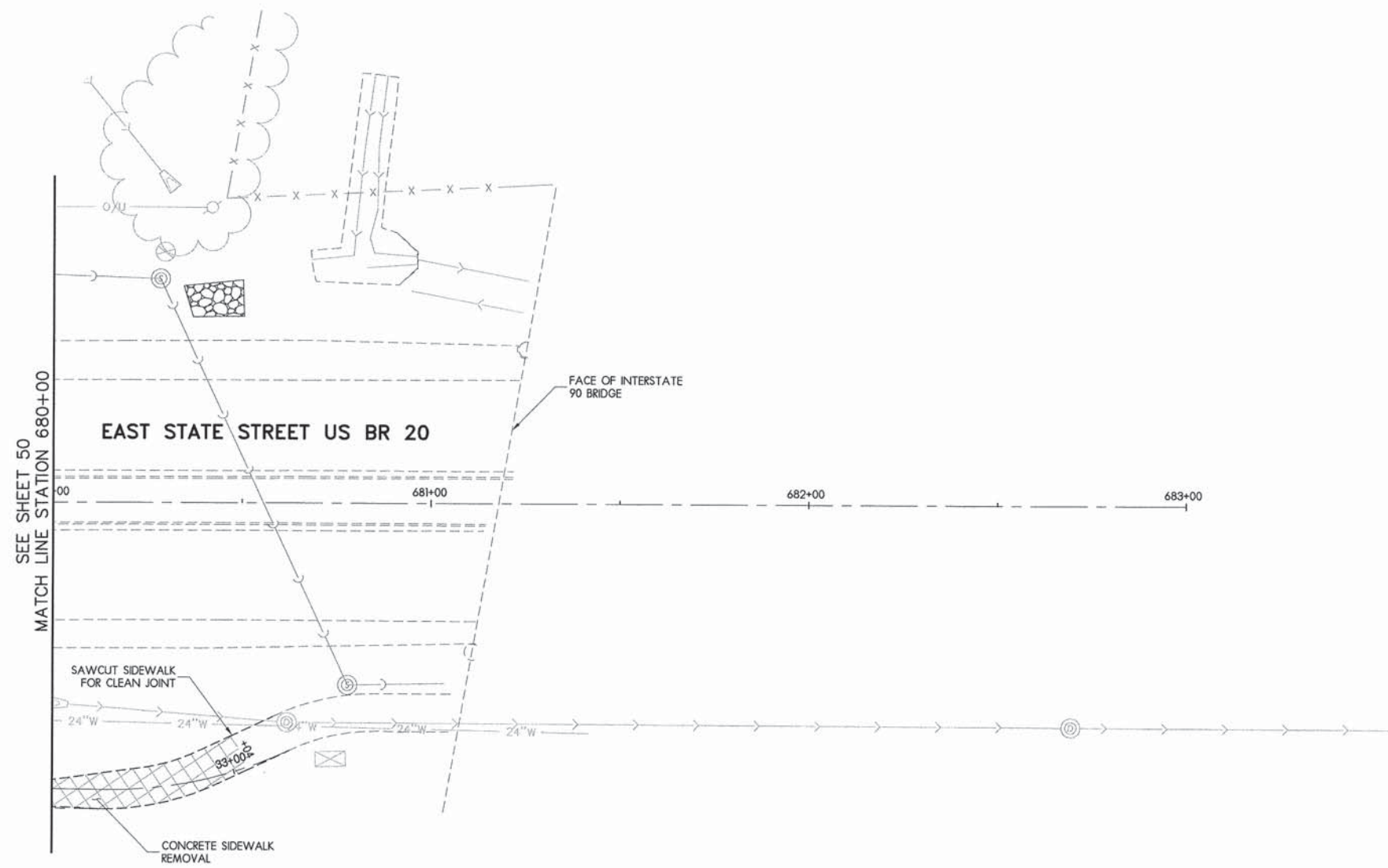
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REMOVAL PLAN - EAST STATE STREET, STA 674+75 TO STA 680+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	50
CONTRACT NO. 85616				

ILLINOIS FED. AID PROJECT



LEGEND

- FULL DEPTH PAVEMENT REMOVAL
- PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
- HMA SURFACE REMOVAL BUTT JOINT
- HMA SURFACE REMOVAL 1-1/2\"/>

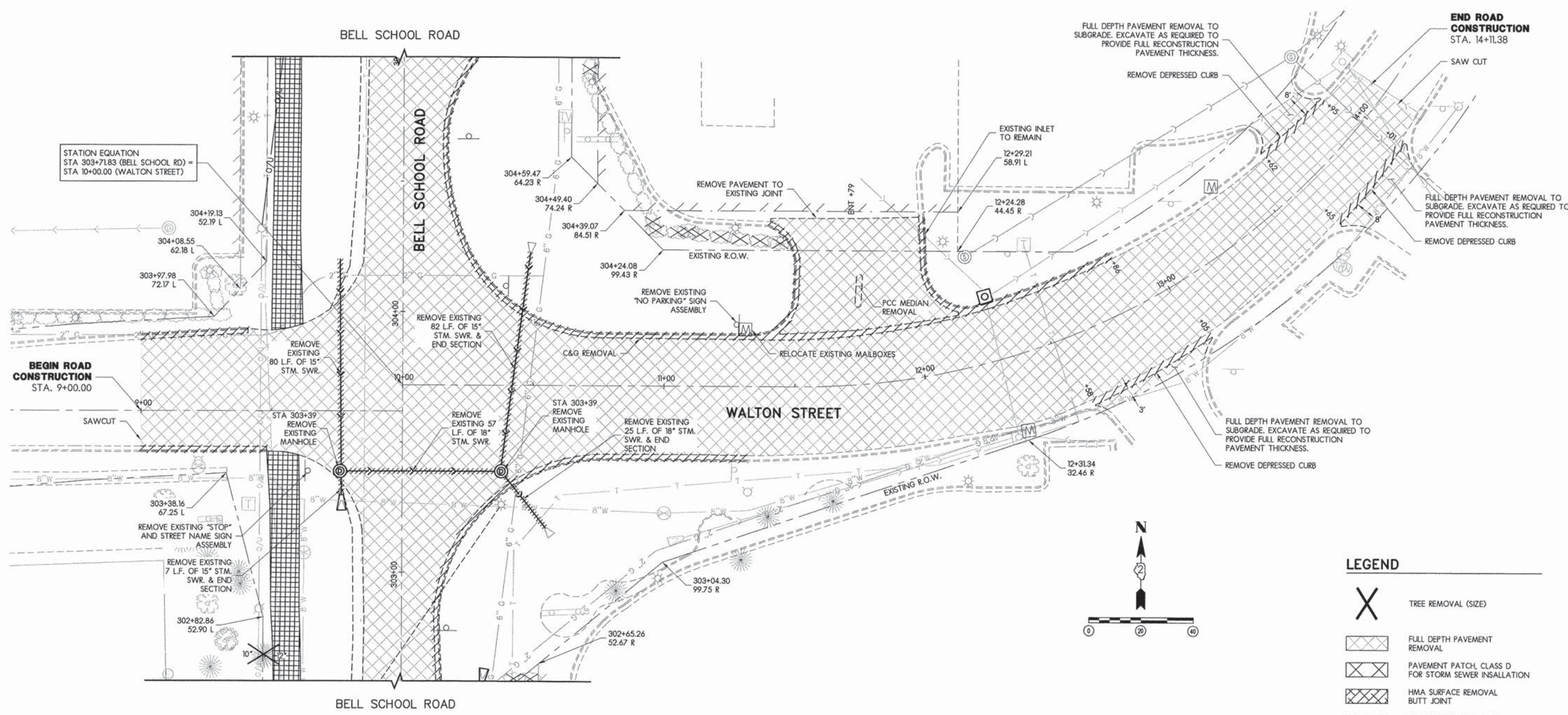
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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		CHECKED - DPA	REVISD - -
		DATE - #DATE#	REVISD - -



REMOVAL PLAN - EAST STATE STREET, STA 680+00 TO STA 681+00

F.A.U. RTE. 5149	SECTION 04-00345-00-CH	COUNTY WINNEBAGO	TOTAL SHEETS 129	SHEET NO. 51
ILLINOIS FED. AID PROJECT				



STATION EQUATION
 STA 303+71.83 (BELL SCHOOL RD) =
 STA 10+00.00 (WALTON STREET)

BEGIN ROAD CONSTRUCTION
 STA. 9+00.00

END ROAD CONSTRUCTION
 STA. 14+11.38

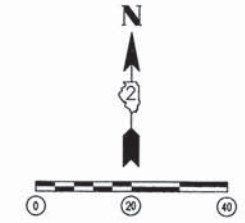
FULL DEPTH PAVEMENT REMOVAL TO
 SUBGRADE. EXCAVATE AS REQUIRED TO
 PROVIDE FULL RECONSTRUCTION
 PAVEMENT THICKNESS.

FULL DEPTH PAVEMENT REMOVAL TO
 SUBGRADE. EXCAVATE AS REQUIRED TO
 PROVIDE FULL RECONSTRUCTION
 PAVEMENT THICKNESS.

FULL DEPTH PAVEMENT REMOVAL TO
 SUBGRADE. EXCAVATE AS REQUIRED TO
 PROVIDE FULL RECONSTRUCTION
 PAVEMENT THICKNESS.

LEGEND

- X TREE REMOVAL (SIZE)
- [Cross-hatch pattern] FULL DEPTH PAVEMENT REMOVAL
- [Diagonal cross-hatch pattern] PAVEMENT PATCH, CLASS D FOR STORM SEWER INSTALLATION
- [Horizontal cross-hatch pattern] HMA SURFACE REMOVAL BUTT JOINT
- [Vertical cross-hatch pattern] HMA SURFACE REMOVAL 1-1/2" EDGE MILL
- [Grid pattern] HMA BIKE PATH REMOVAL
- [Diagonal lines] CLASS B PAVEMENT PATCHING
- [Wavy lines] CURB AND GUTTER REMOVAL
- [Dashed lines] STORM SEWER REMOVAL



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

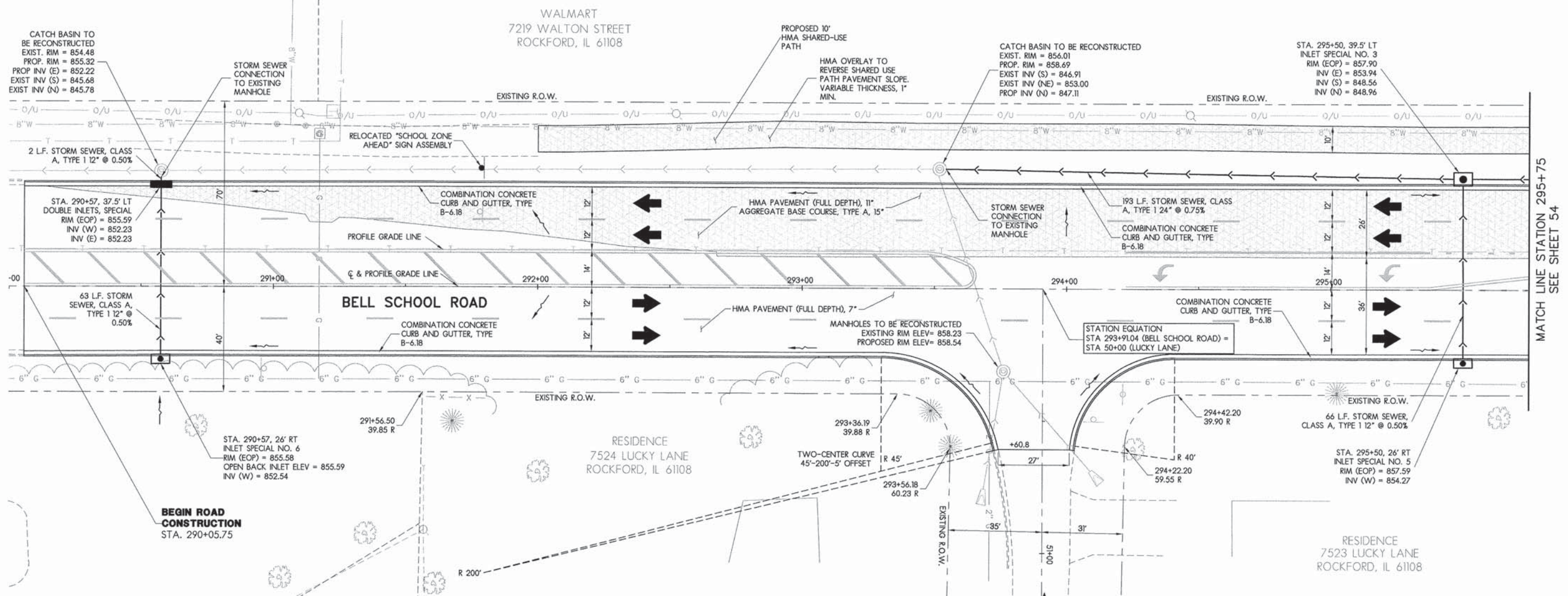
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		DATE - #DATE1#	REVISED - -



REMOVAL PLAN - WALTON STREET, STA 9+00 TO STA 14+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	52
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS

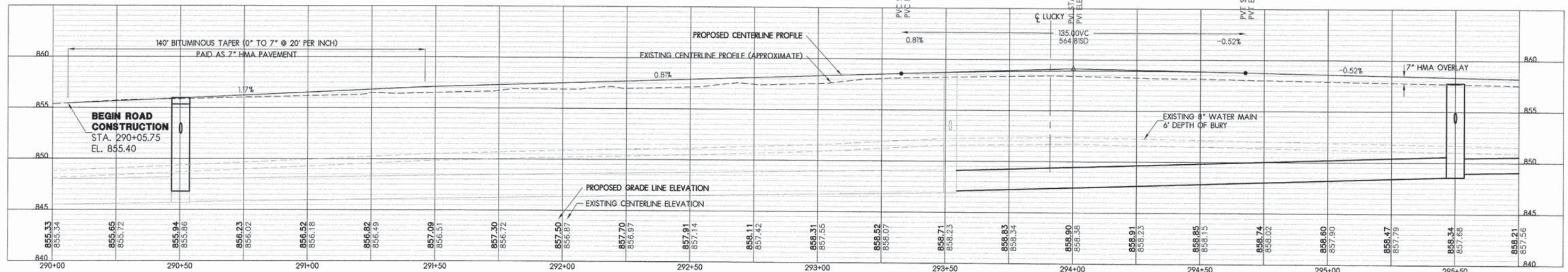
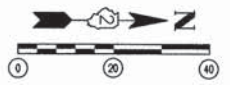


NOTE:
OFFSET DISTANCES OF ALL INLETS ARE TO THE FACE OF THE CURB

OFFSETS OF MANHOLES ARE TO THE CENTER OF THE MANHOLE

HMA TAPERS SHALL BE CONSIDERED AS PART OF THE ASSOCIATED FULL DEPTH PAVEMENT AND CONTRACTOR SHALL ADJUST HIS BID ACCORDINGLY

DIRECTION OF WATER FLOW



MHW	12/10/10
DRAWN	02/12/13
REVIEWED	DPA
DATE	02/12/13

FILE NAME =
#FILES#

USER NAME = #USER#

PLOT SCALE = #SCALE#

PLOT DATE = #DATE#

DESIGNED - DPA

DRAWN - MWH

CHECKED - DPA

DATE - #DATE#

REVISED -

REVISED -

REVISED -

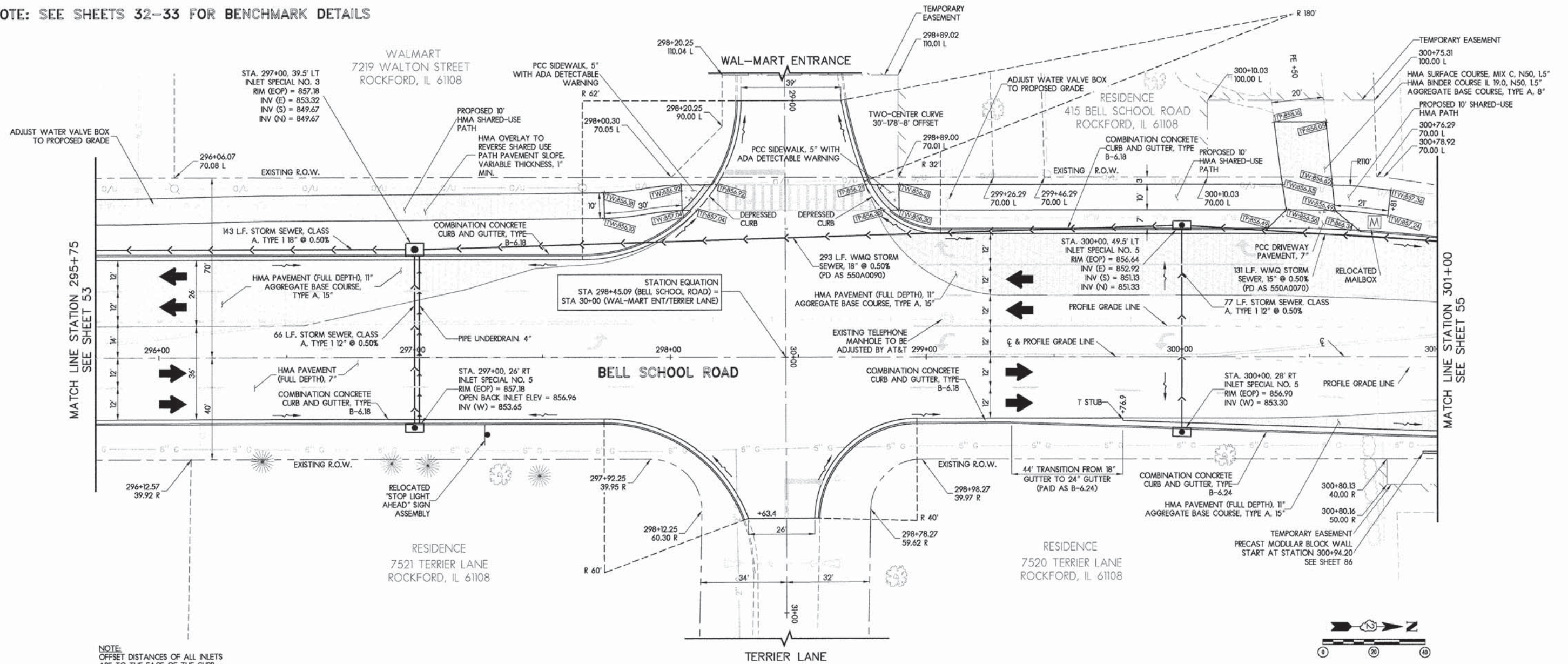
REVISED -



PLAN AND PROFILE - BELL SCHOOL ROAD, STA 290+00 TO STA 295+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	53
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

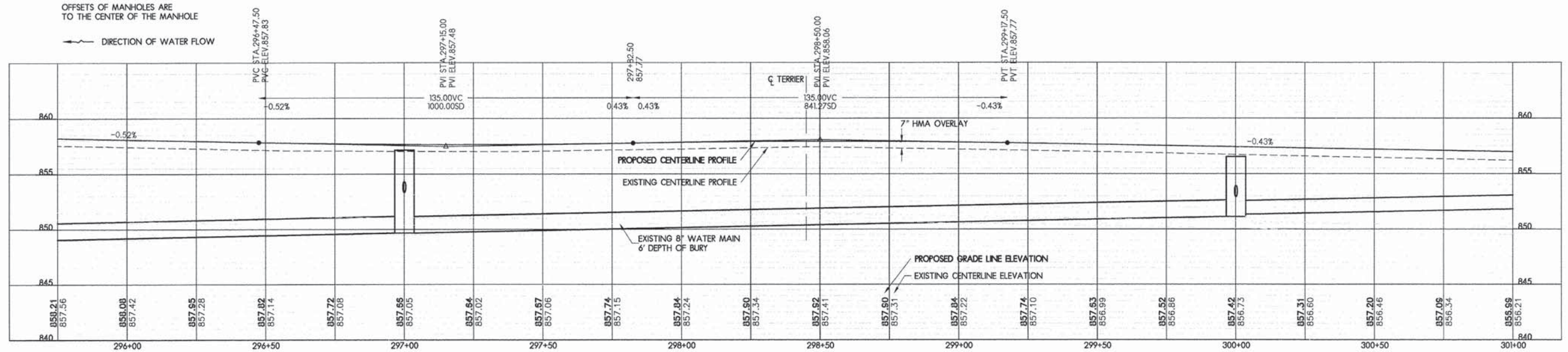
NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



NOTE:
OFFSET DISTANCES OF ALL INLETS
ARE TO THE FACE OF THE CURB

OFFSETS OF MANHOLES ARE
TO THE CENTER OF THE MANHOLE

← DIRECTION OF WATER FLOW



LAYOUT	12/10/10
DRAWN	02/12/13
REVIEWED	02/12/13

FILE NAME =	USER NAME = *USER*	DESIGNED - DPA	REVISED - -
FILES		DRAWN - MWH	REVISED - -
		CHECKED - DPA	REVISED - -
		DATE - *DATE*	REVISED - -



PLAN AND PROFILE - BELL SCHOOL ROAD, STA
295+75 TO STA 301+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	54
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

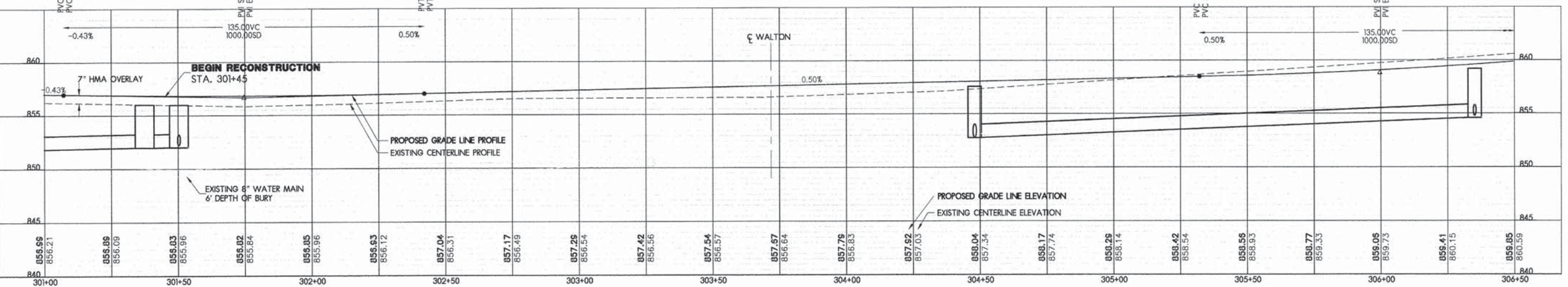
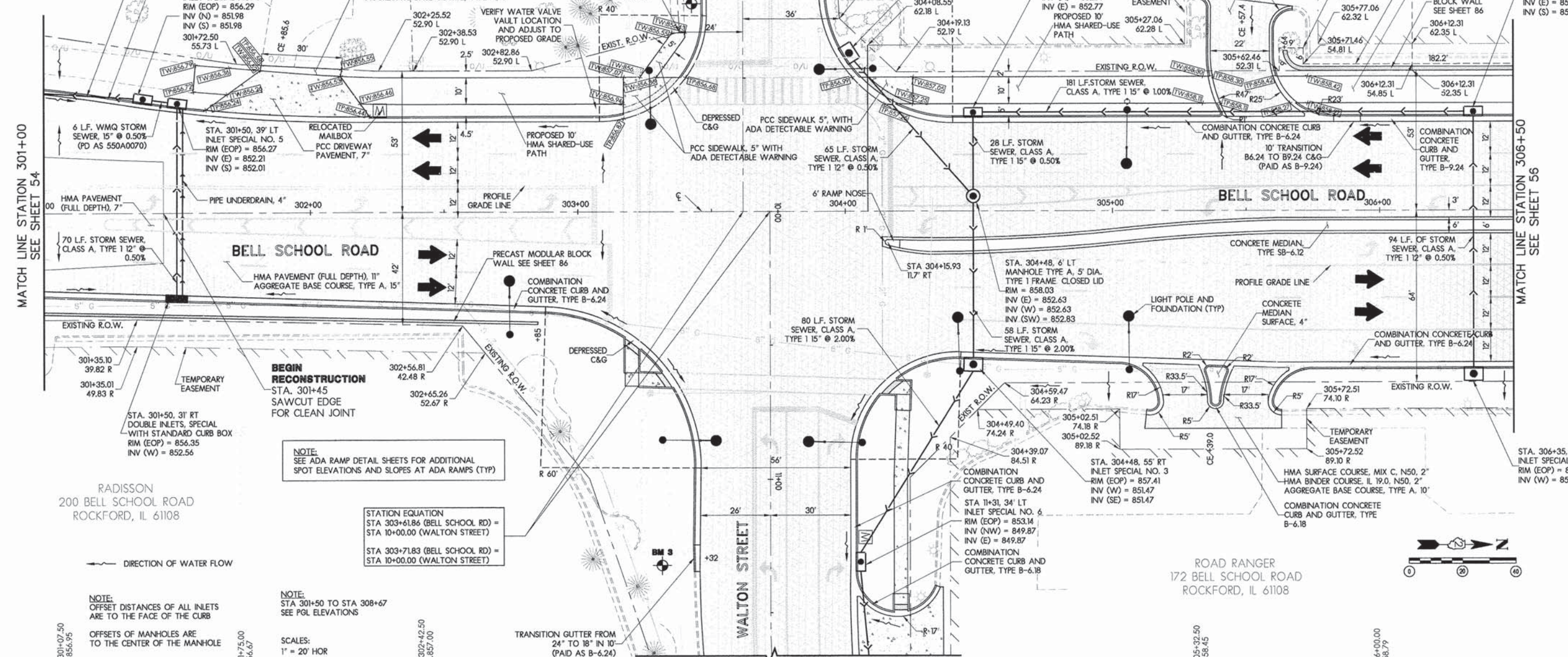
NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS

HOME BUSINESS
409 BELL SCHOOL ROAD
ROCKFORD, IL 61108

RETAIL STORES
7479 WALTON STREET
ROCKFORD, IL 61108

MACHINE SHED
7475 E. STATE STREET
ROCKFORD, IL 61108

ROAD RANGER
172 BELL SCHOOL ROAD
ROCKFORD, IL 61108



NOTE: OFFSET DISTANCES OF ALL INLETS ARE TO THE FACE OF THE CURB
OFFSETS OF MANHOLES ARE TO THE CENTER OF THE MANHOLE

NOTE: STA 301+50 TO STA 308+67 SEE PGL ELEVATIONS

SCALES:
1" = 20' HOR
1" = 5' VER

STATION EQUATION
STA 303+61.86 (BELL SCHOOL RD) = STA 10+00.00 (WALTON STREET)
STA 303+71.83 (BELL SCHOOL RD) = STA 10+00.00 (WALTON STREET)

NOTE: SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL SPOT ELEVATIONS AND SLOPES AT ADA RAMP (TYP)

LAYOUT	12/10/10
DRAWN	MWH 02/12/13
REVIEWED	DPA 02/12/13

FILE NAME =
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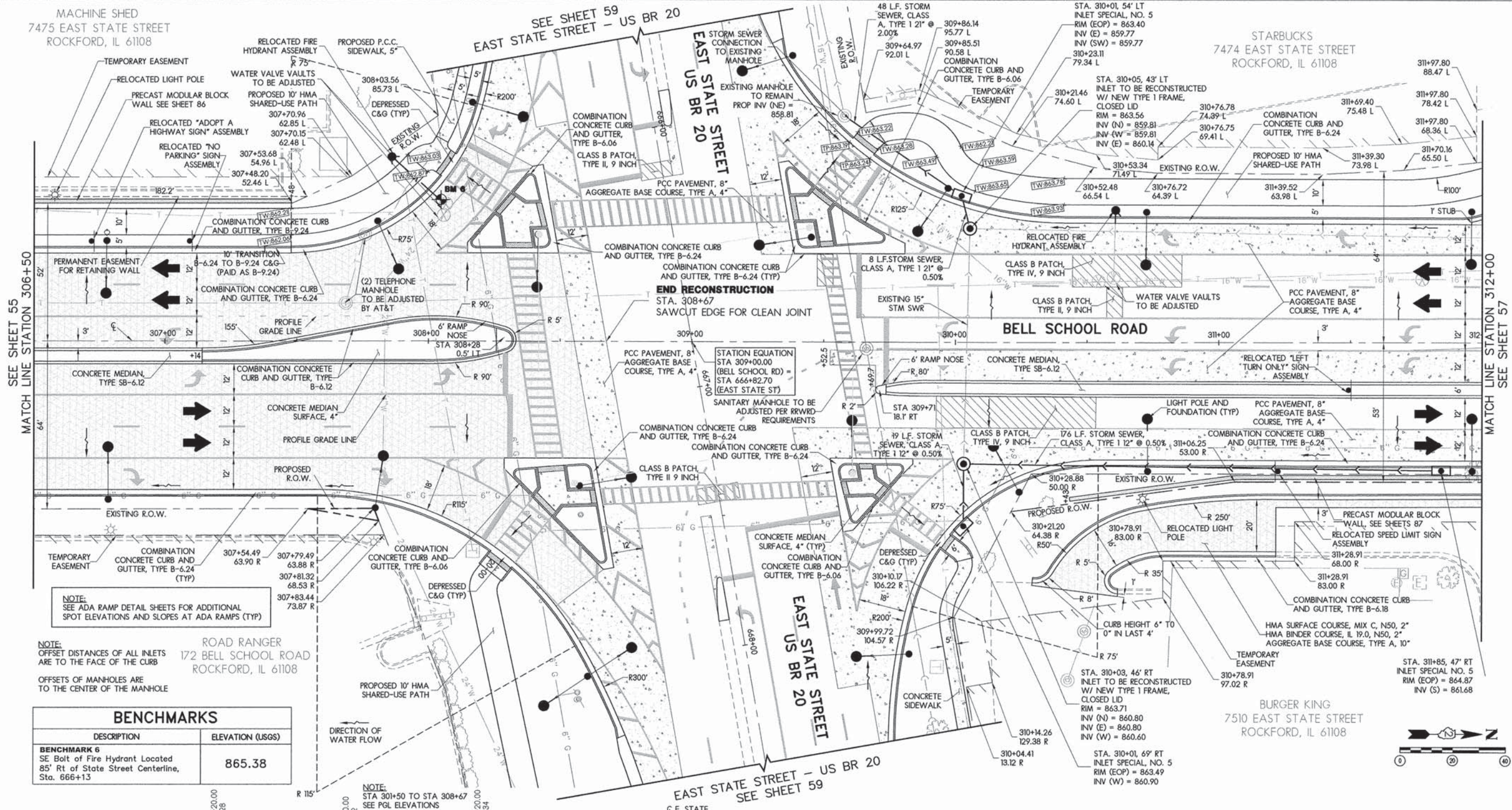
PLAN AND PROFILE - BELL SCHOOL ROAD, STA 301+00 TO STA 306+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	55
CONTRACT NO. 85616				
[ILLINOIS] FED. AID PROJECT				

MACHINE SHED
7475 EAST STATE STREET
ROCKFORD, IL 61108

SEE SHEET 59
EAST STATE STREET - US BR 20

STARBUCKS
7474 EAST STATE STREET
ROCKFORD, IL 61108



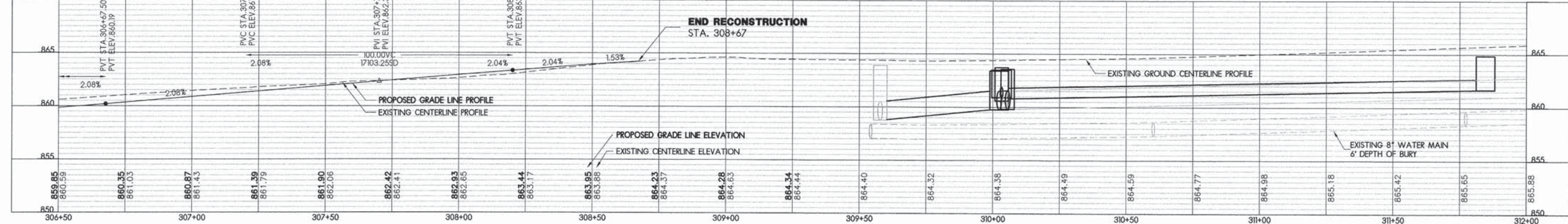
NOTE:
SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL
SPOT ELEVATIONS AND SLOPES AT ADA RAMP (TYP)

NOTE:
OFFSET DISTANCES OF ALL INLETS
ARE TO THE FACE OF THE CURB

NOTE:
OFFSETS OF MANHOLES ARE
TO THE CENTER OF THE MANHOLE

BENCHMARKS	
DESCRIPTION	ELEVATION (USGS)
BENCHMARK 6 SE Bolt of Fire Hydrant Located 85' Rt of State Street Centerline, Sta. 666+13	865.38

ROAD RANGER
172 BELL SCHOOL ROAD
ROCKFORD, IL 61108



LAYOUT	12/10/10
MWH	02/12/13
DRAWN	DPA
REVIEWED	DPA

FILE NAME =
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USER NAME = #USER#

DESIGNED - DPA

DRAWN - MWH

PLOT SCALE = #SCALE#

CHECKED - DPA

DATE - #DATE#

REVISOR -

REVISIONS -

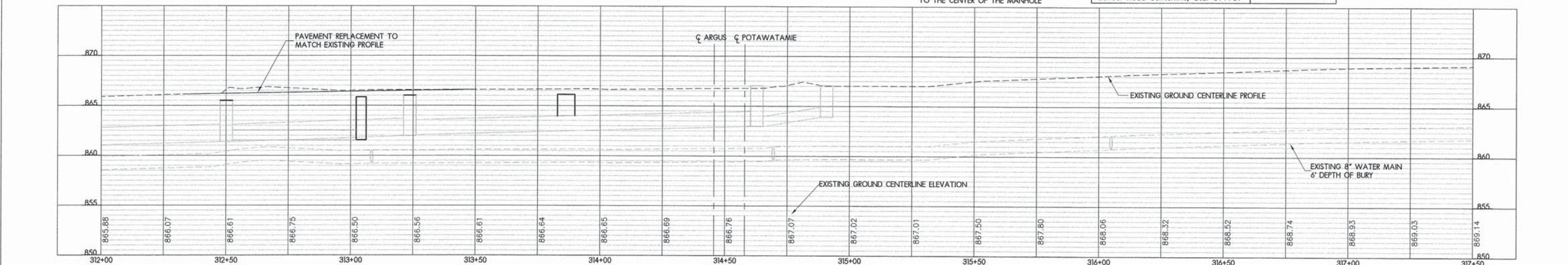
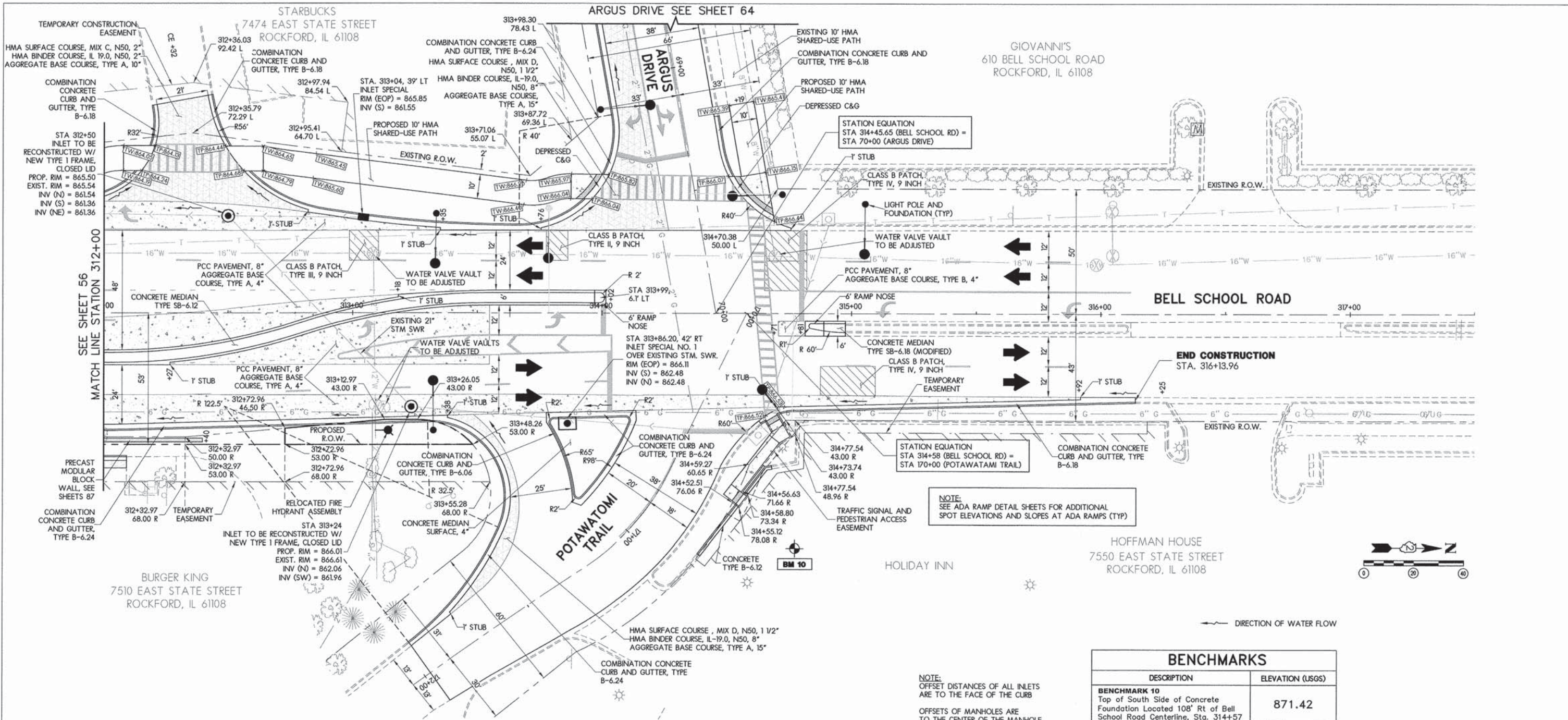
REVISOR -

REVISIONS -



PLAN AND PROFILE - BELL SCHOOL ROAD, STA
306+50 TO STA 312+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	56
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	



BENCHMARKS	
DESCRIPTION	ELEVATION (USGS)
BENCHMARK 10 Top of South Side of Concrete Foundation Located 108' Rt of Bell School Road Centerline, Sta. 314+57	871.42

NOTE:
OFFSET DISTANCES OF ALL INLETS ARE TO THE FACE OF THE CURB
OFFSETS OF MANHOLES ARE TO THE CENTER OF THE MANHOLE

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

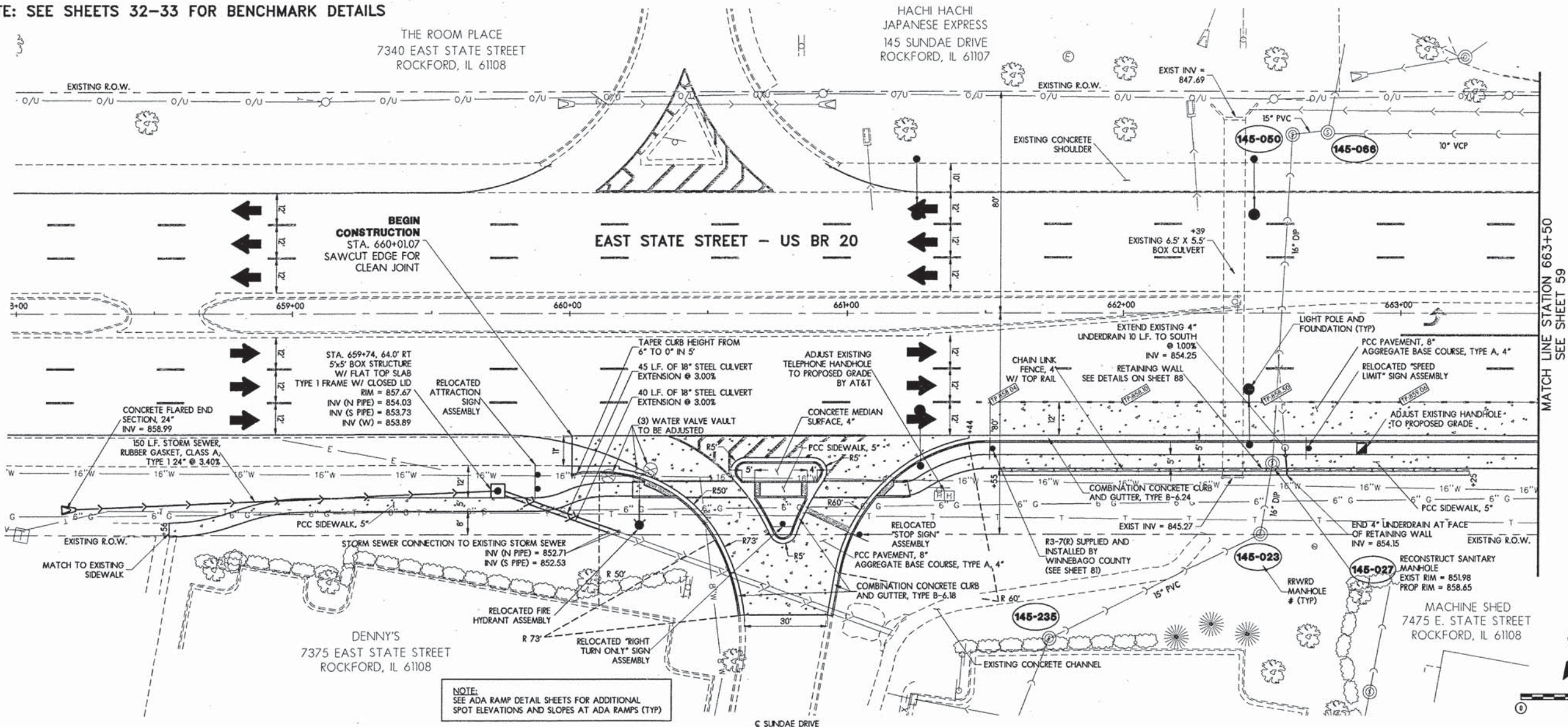
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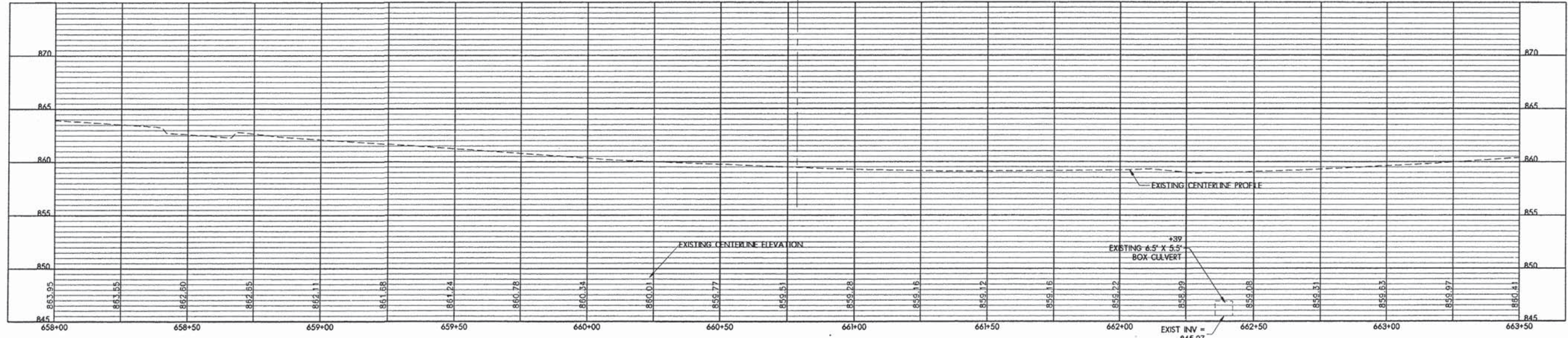
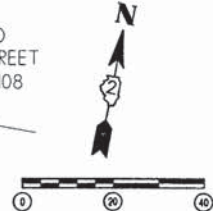
PLAN AND PROFILE - BELL SCHOOL ROAD, STA 312+00 TO STA 316+13.96

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	57
			CONTRACT NO.	85616
ILLINOIS FED. AID PROJECT				

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



MATCH LINE STATION 663+50
SEE SHEET 59



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

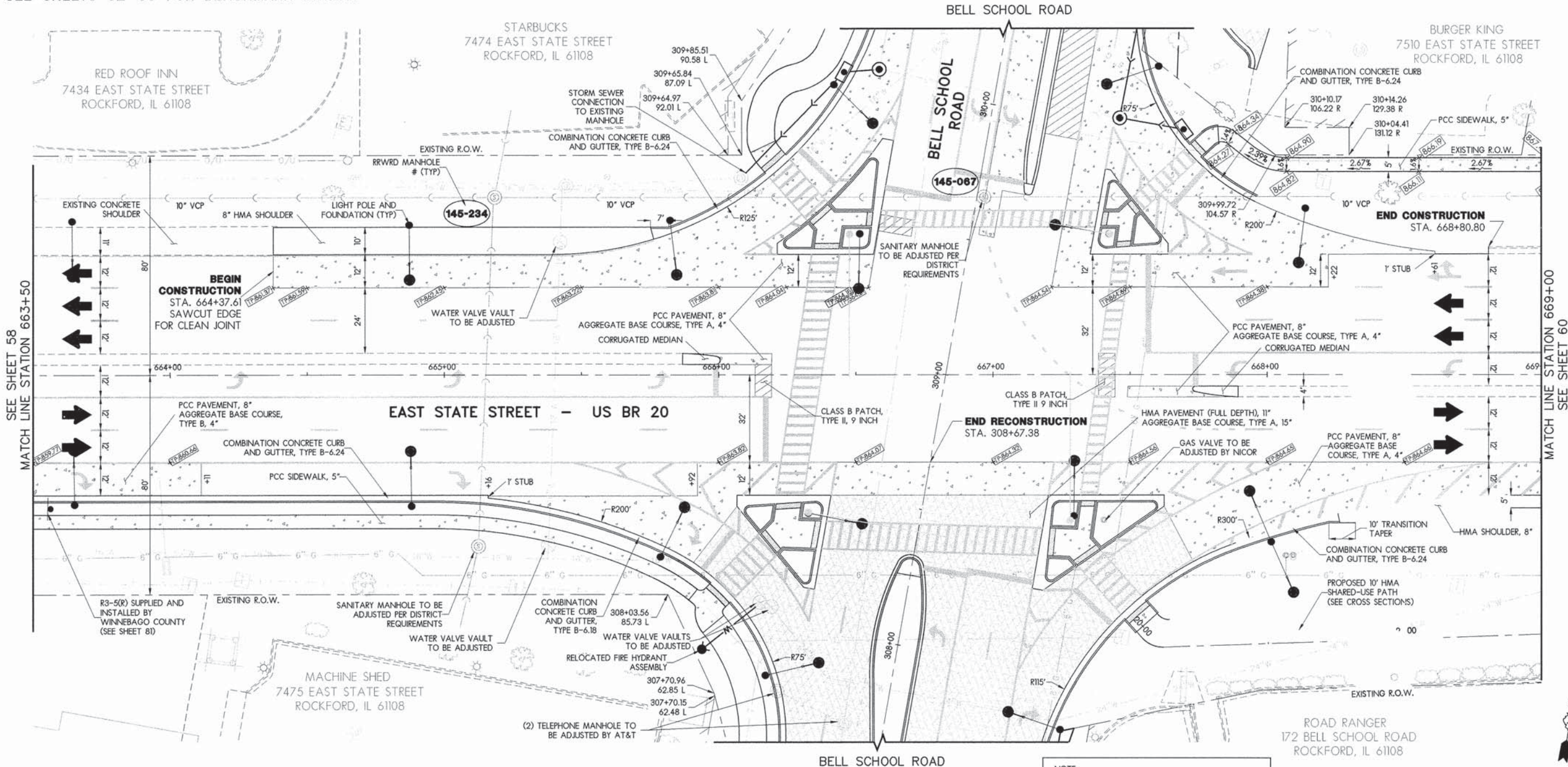
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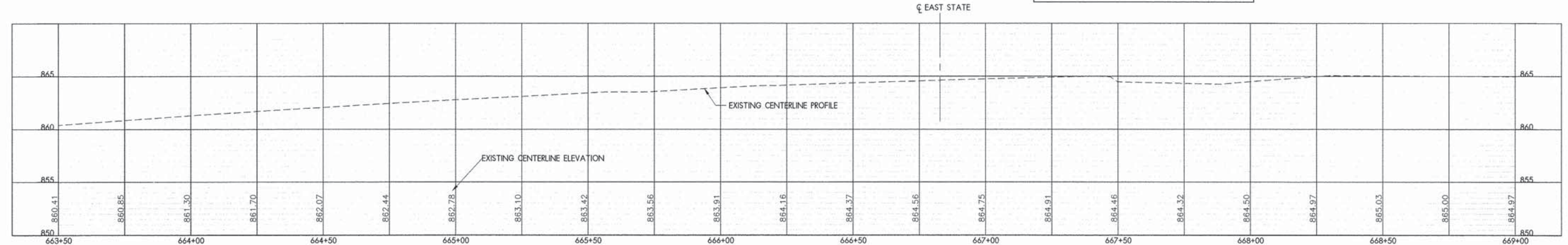
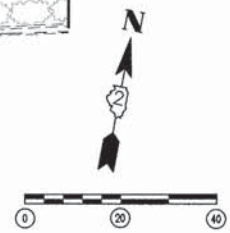
PLAN AND PROFILE - EAST STATE STREET, STA 658+00 TO STA 663+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	58
CONTRACT NO. B5616			ILLINOIS FED. AID PROJECT	

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



NOTE:
SEE ADA RAMP DETAIL SHEETS FOR ADDITIONAL
SPOT ELEVATIONS AND SLOPES AT ADA RAMP (TYP)



LAYOUT	12/20/10
DRAWN	02/12/13
REVIEWED	02/12/13

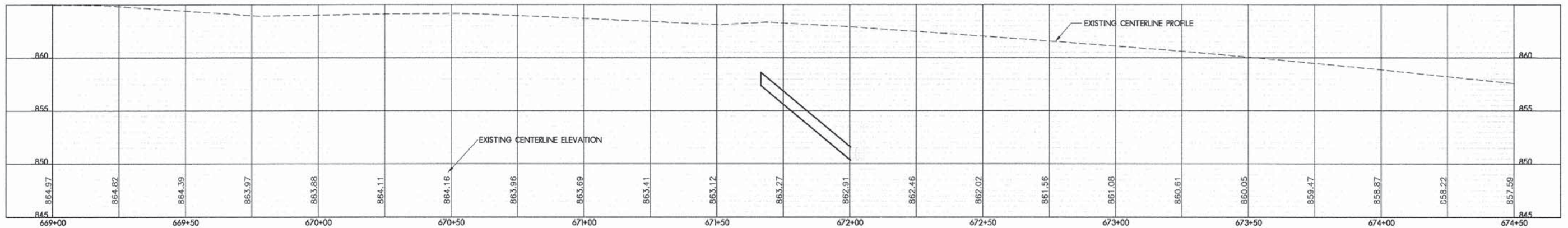
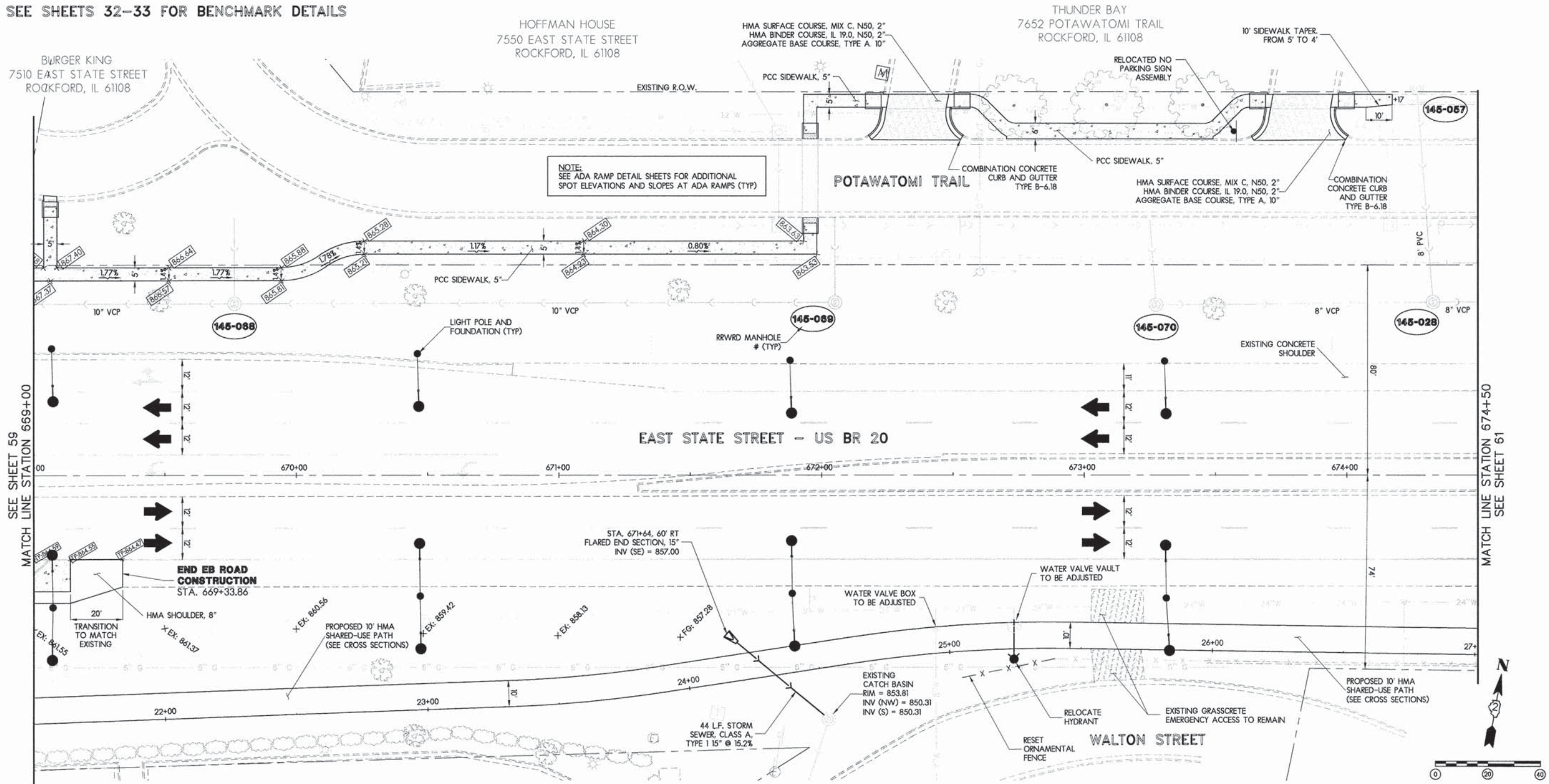
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		DATE - #DATE1#	REVISED -



PLAN AND PROFILE - EAST STATE STREET, STA 663+50 TO STA 669+00

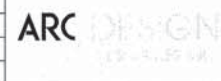
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	59
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



LAYOUT	12/10/10
DRAWN	02/12/13
REVIEWED	DPA
DATE	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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		CHECKED - DPA	REVISED -
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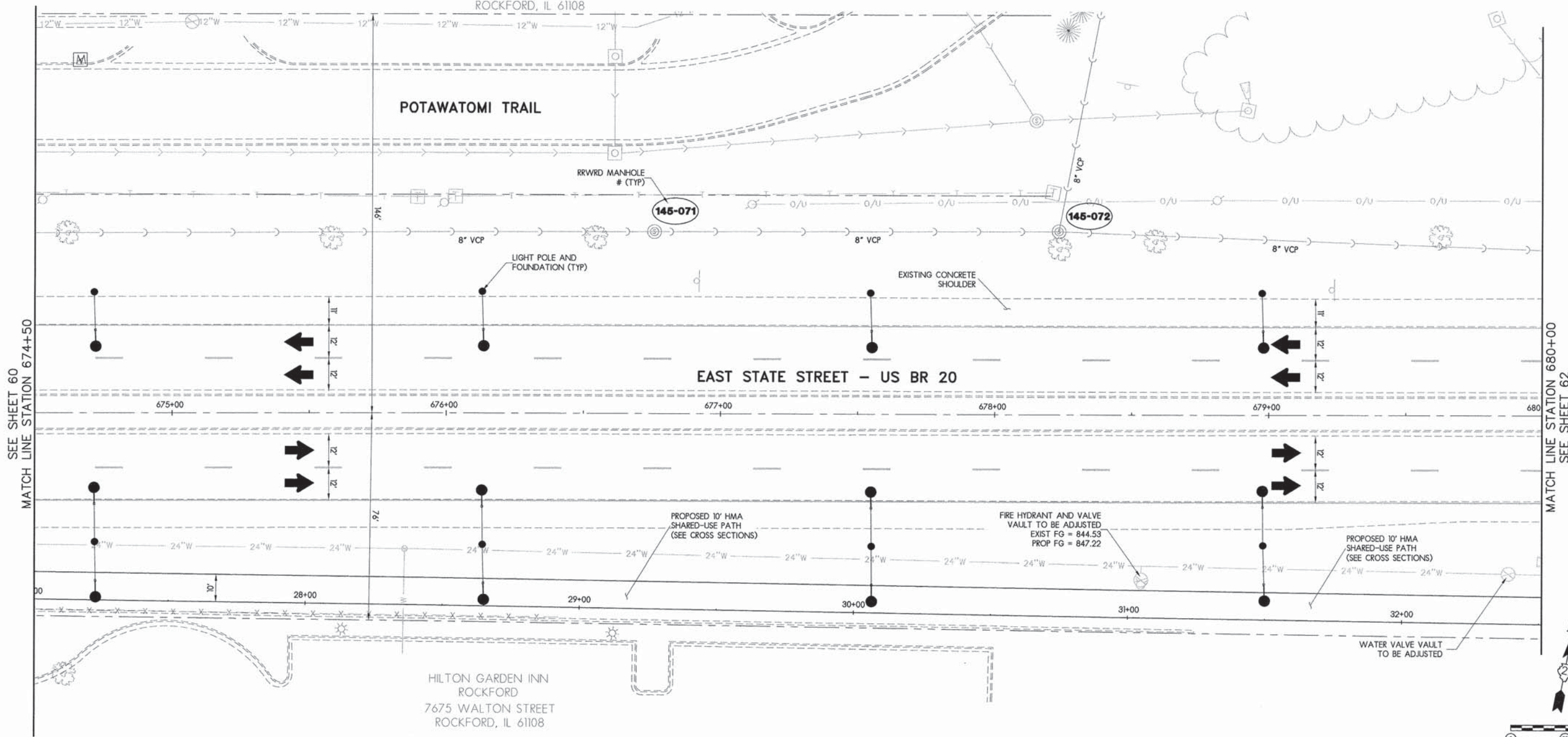


PLAN AND PROFILE - EAST STATE STREET, STA 669+00 TO STA 674+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	60
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

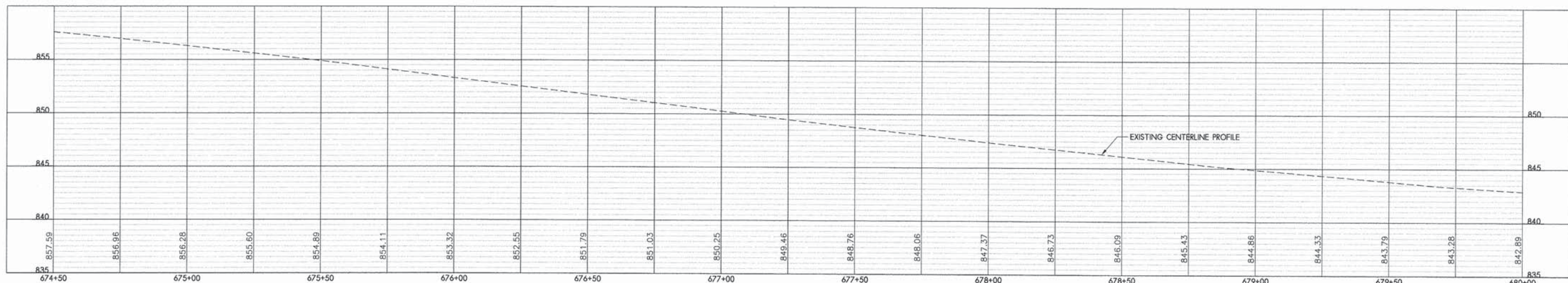
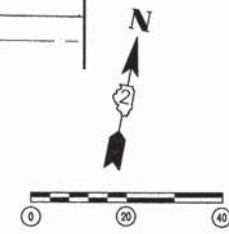
NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS

COURTYARD ROCKFORD
7676 EAST STATE STREET
ROCKFORD, IL 61108



SEE SHEET 60
MATCH LINE STATION 674+50

MATCH LINE STATION 680+00
SEE SHEET 62



LAYOUT	12/10/10
DRAWN	MWH
REVIEWED	DPA
	02/12/13

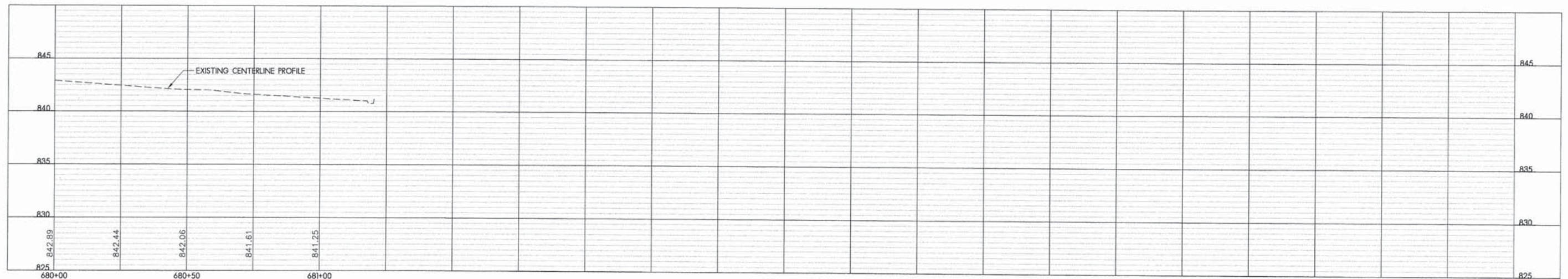
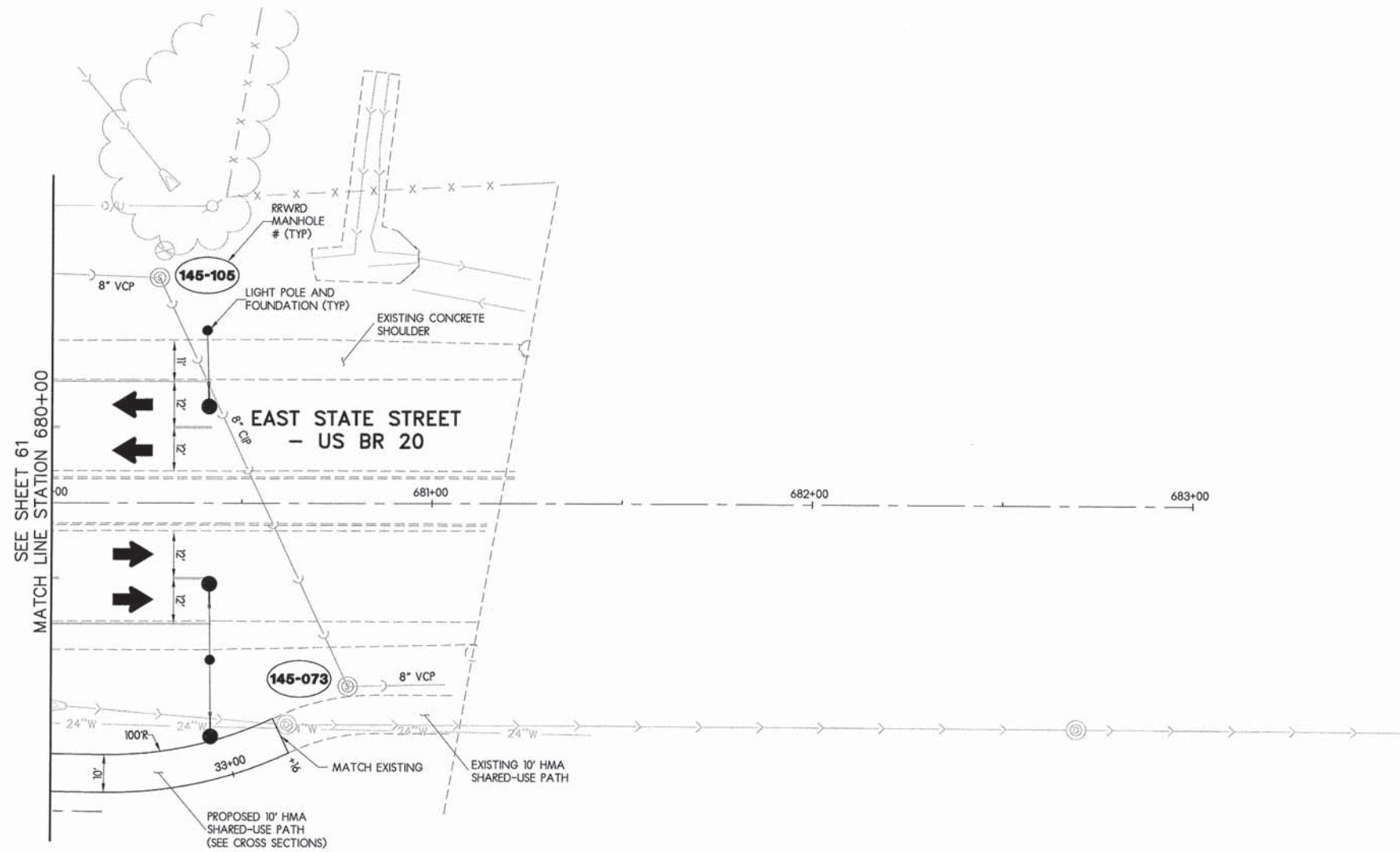
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	PLOT DATE = #DATE#	DATE - #DATE1#	REVISED - -



PLAN AND PROFILE - EAST STATE STREET, STA 674+50 TO STA 680+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	61
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



LAYOUT MWH 12/16/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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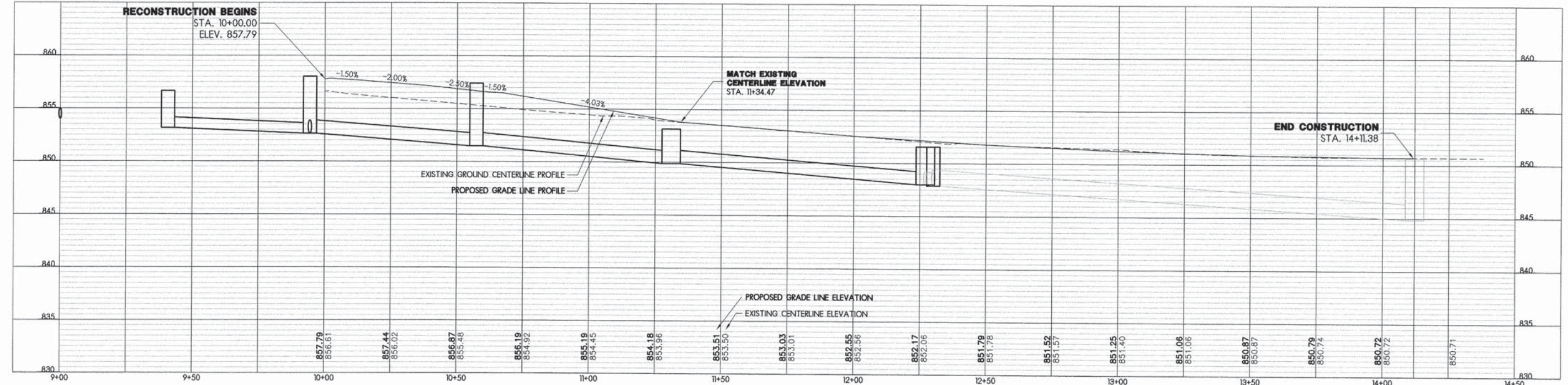
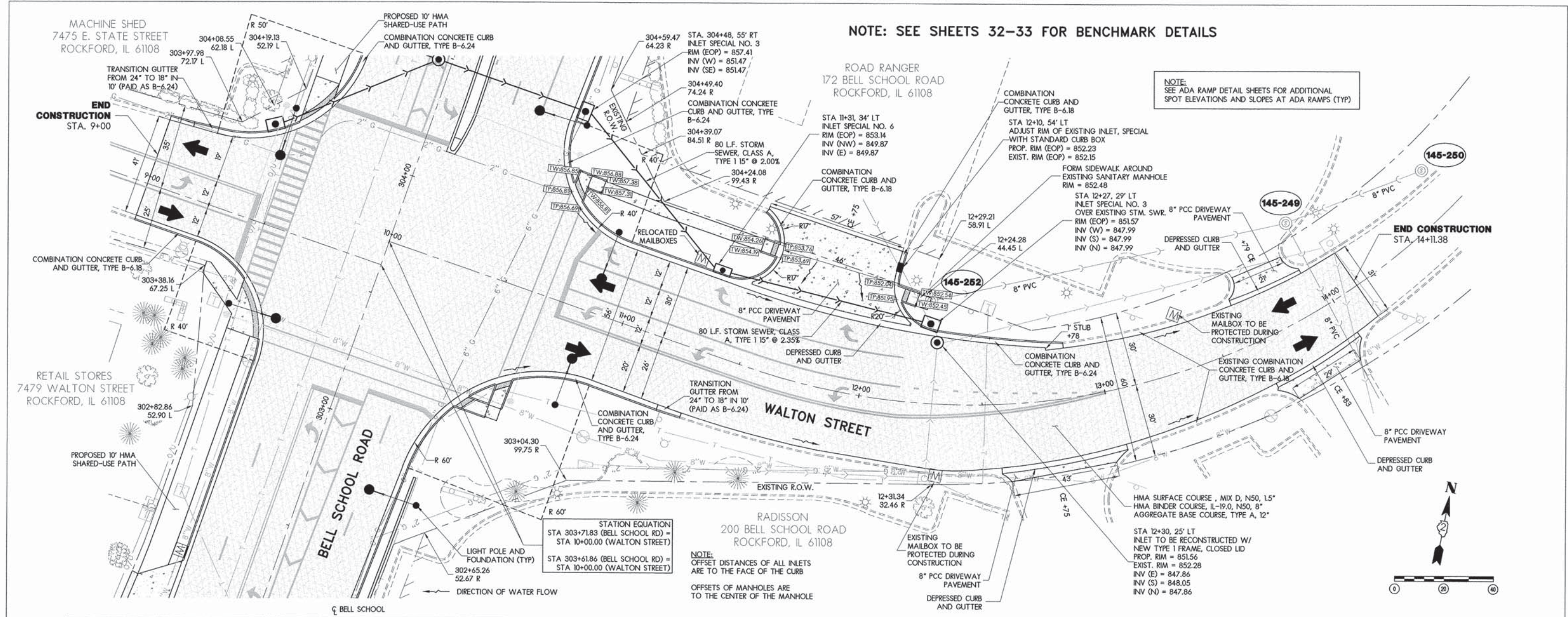
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 CHECKED - DPA
 DATE - #DATE1#

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PLAN AND PROFILE - EAST STATE STREET, STA 680+00 TO STA 681+20

F.A.U. RTE. 5149	SECTION 04-00345-00-CH	COUNTY WINNEBAGO	TOTAL SHEETS 129	SHEET NO. 62
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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CHECKED - DPA

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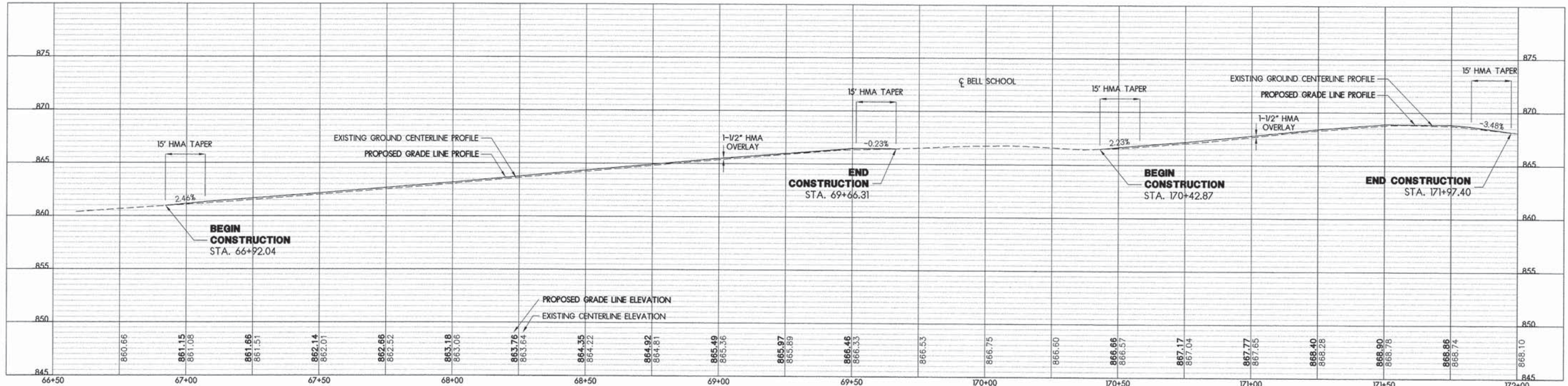
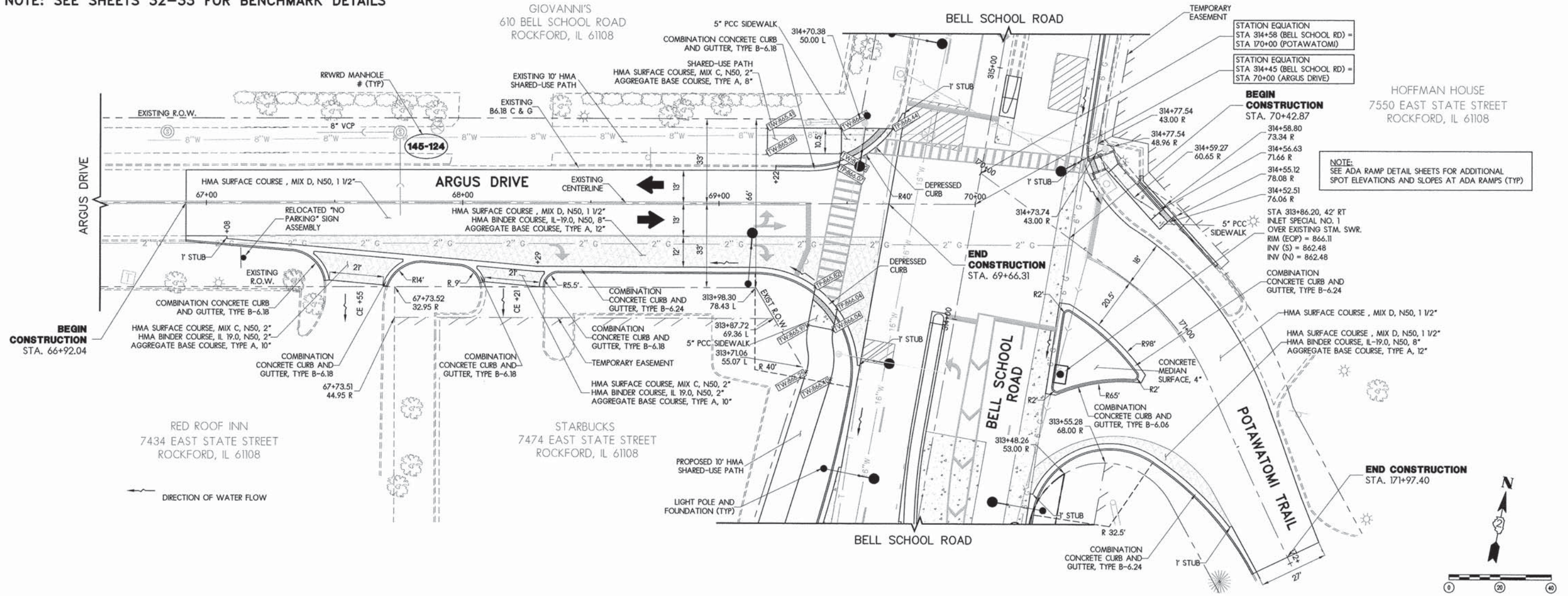
REVISED -



PLAN AND PROFILE - WALTON STREET, STA 10+00 TO STA 14+11.38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	63
CONTRACT NO. 85616			ILLINOIS FED. AID PROJECT	

NOTE: SEE SHEETS 32-33 FOR BENCHMARK DETAILS



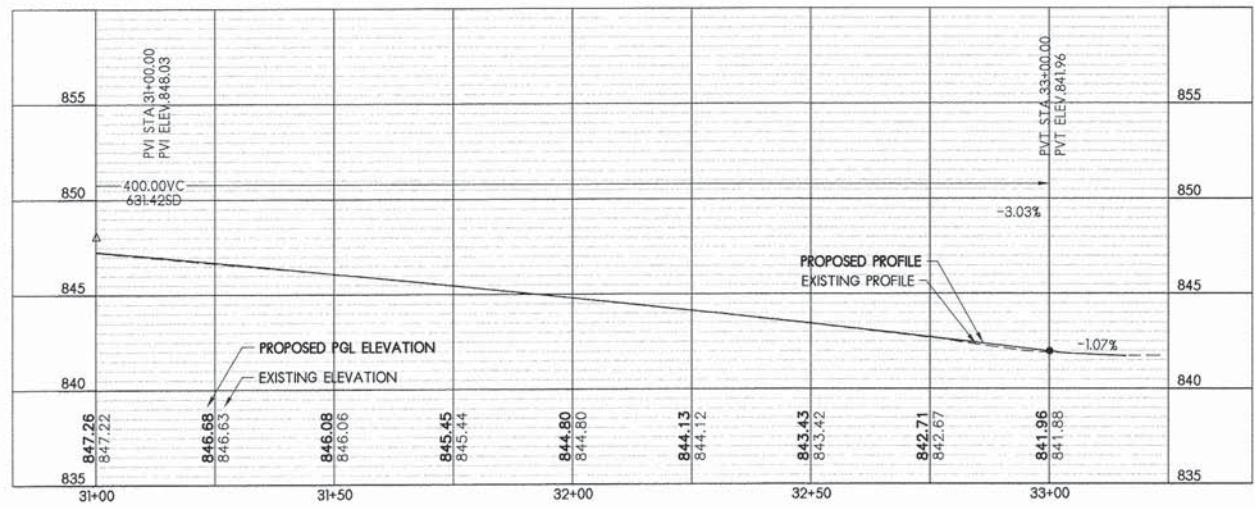
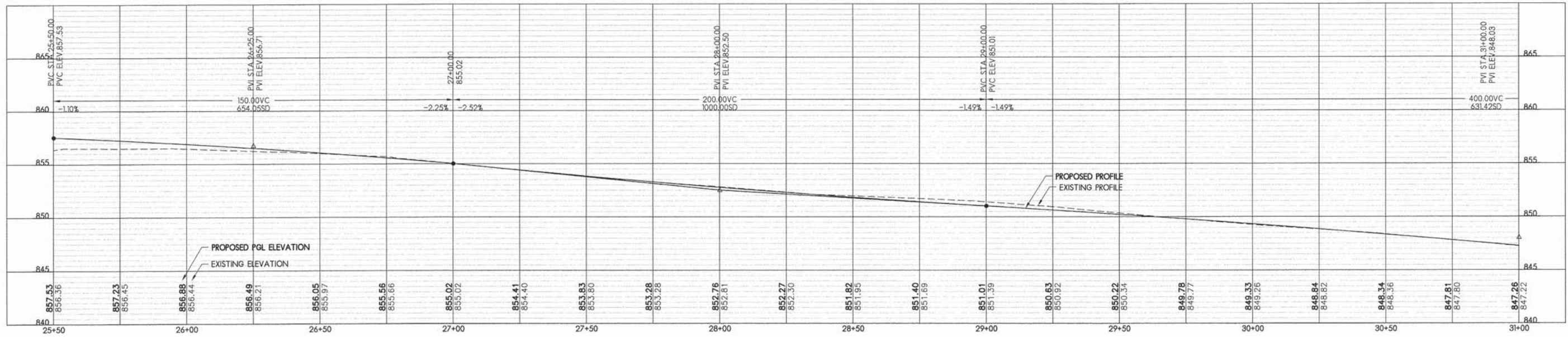
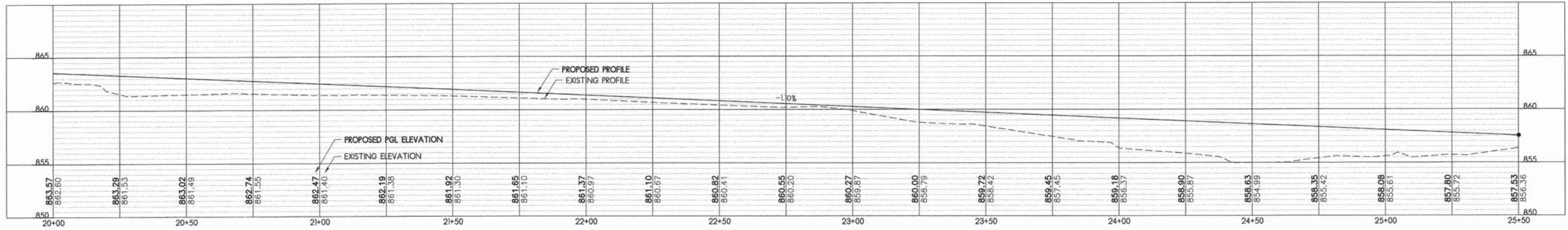
LAYOUT	12/10/10
DRAWN	MWH 02/12/13
REVIEWED	DPA 02/12/13

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			DRAWN - MWH	REVISED - -
			CHECKED - DPA	REVISED - -
			DATE - #DATE#	REVISED - -



PLAN AND PROFILE - ARGUS DRIVE, STA 66+92.04 TO STA 71+97.40

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	64
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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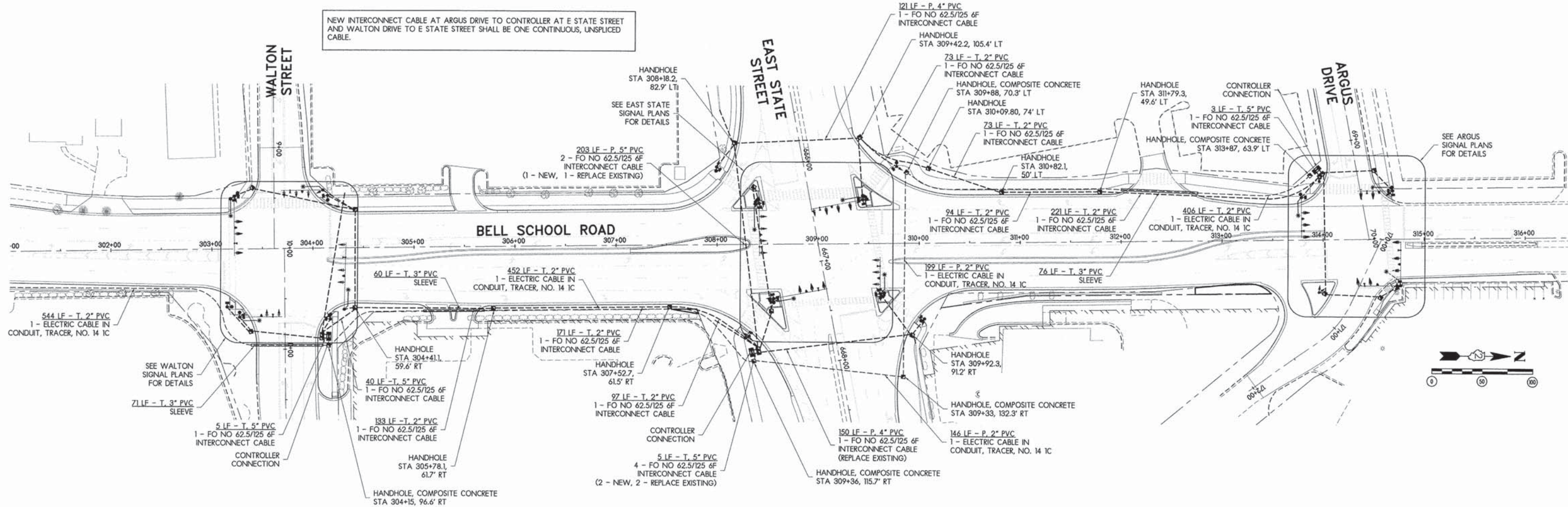
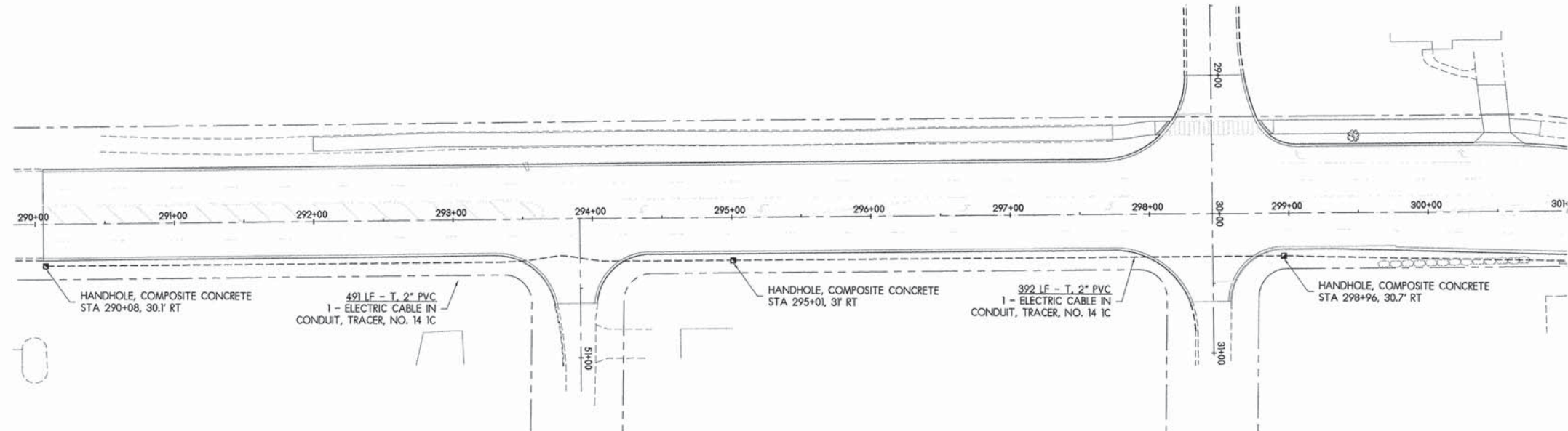


PLAN AND PROFILE - STATE STREET BIKE PATH

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	65
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

LEGEND

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	---	---
CONCRETE CURB & GUTTER	---	---
CONDUIT IN TRENCH (T) OR PUSHED (P)	---	---
TEMPORARY WOOD POLE (CLASS 5 MIN)		⊗
CONTROLLER	⊗	⊗
EXISTING SIGNAL POST	○	○
EXISTING MAST ARM	---	---
SIGNAL HEAD	▲	▲
SIGNAL HEAD WITH BACKPLATE	▲	▲
HANDHOLE	⊠	⊠
HEAVY DUTY HANDHOLE	⊠	⊠
DOUBLE HANDHOLE	⊠	⊠
250 WATT SODIUM VAPOR LUMINAIRE WITH MAST ARM		☼
EMERGENCY VEHICLE PREEMPTION DETECTOR (SPAN WIRE MOUNTED)		⊠
EMERGENCY VEHICLE PREEMPTION CONFIRMATION BEACON (SPAN WIRE MOUNTED)		⊠
ELECTRICAL SERVICE INSTALLATION		⊠



LAYOUT	12/10/10
DRAWN	MWH
REVIEWED	DPA
	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
#FILES#		DRAWN - MWH	REVISED -
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		DATE - #DATE1#	REVISED -



INTERCONNECT PLAN

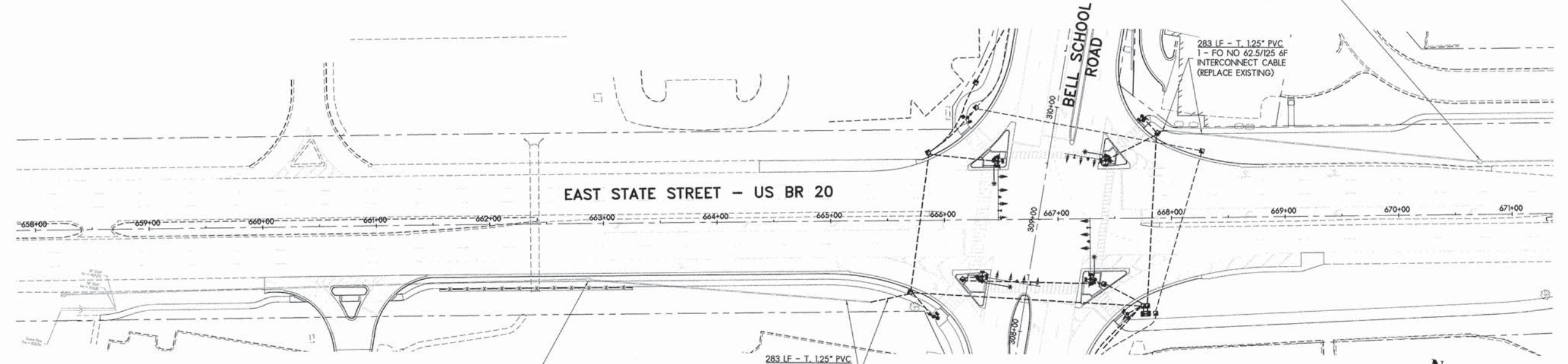
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	66
CONTRACT NO. 85616				
[ILLINOIS] FED. AID PROJECT				

PULL FIBER OPTIC CABLE NO. 62.5/125, 6F AT BELL SCHOOL ROAD FROM EXISTING CONTROLLER CABINET AT BELL SCHOOL ROAD TO HANDHOLE AT STA 670+72.0, 46.7' LT. DURING CONDUIT REMOVAL AND PLACEMENT AT INTERSECTION OF BELL SCHOOL ROAD. RECONNECT FIBER OPTIC CABLE TO CONTROLLER AT BELL SCHOOL ROAD THROUGH NEW CONDUIT. EVERY EFFORT SHOULD BE TAKEN TO LIMIT TIME OF INTERCONNECT REMOVAL AND REINSTALLATION. INCLUDE TRACER WIRE WITH ANY NEW OR RE-INSTALL IN CONDUIT.

283 LF - T, 1.25" PVC
1 - FO NO 62.5/125 6F
INTERCONNECT CABLE
(REPLACE EXISTING)

283 LF - T, 1.25" PVC
1 - FO NO 62.5/125 6F
INTERCONNECT CABLE
(REPLACE EXISTING)

PULL FIBER OPTIC CABLE NO. 62.5/125, 6F AT BELL SCHOOL ROAD FROM EXISTING CONTROLLER CABINET AT BELL SCHOOL ROAD TO HANDHOLE AT STA 662+86.4, 49.4' RT. DURING CONDUIT REMOVAL AND PLACEMENT AT INTERSECTION OF BELL SCHOOL ROAD. RECONNECT FIBER OPTIC CABLE TO CONTROLLER AT BELL SCHOOL ROAD THROUGH NEW CONDUIT. EVERY EFFORT SHOULD BE TAKEN TO LIMIT TIME OF INTERCONNECT REMOVAL AND REINSTALLATION.



	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	---	---
CONCRETE CURB & GUTTER	====	====
CONDUIT IN TRENCH (T) OR PUSHED (P)	---	---
TEMPORARY WOOD POLE (CLASS 5 MIN)		⊗
CONTROLLER	⊠	⊠
EXISTING SIGNAL POST	○	
EXISTING MAST ARM	—	—
SIGNAL HEAD	⬆	⬆
SIGNAL HEAD WITH BACKPLATE	⬆	⬆
HANDHOLE	⊠	⊠
HEAVY DUTY HANDHOLE	⊠	⊠
DOUBLE HANDHOLE	⊠	⊠
250 WATT SODIUM VAPOR LUMINAIRE WITH MAST ARM		⬆
EMERGENCY VEHICLE PREEMPTION DETECTOR (SPAN WIRE MOUNTED)		⬆
EMERGENCY VEHICLE PREEMPTION CONFIRMATION BEACON (SPAN WIRE MOUNTED)		⬆
ELECTRICAL SERVICE INSTALLATION		⬆

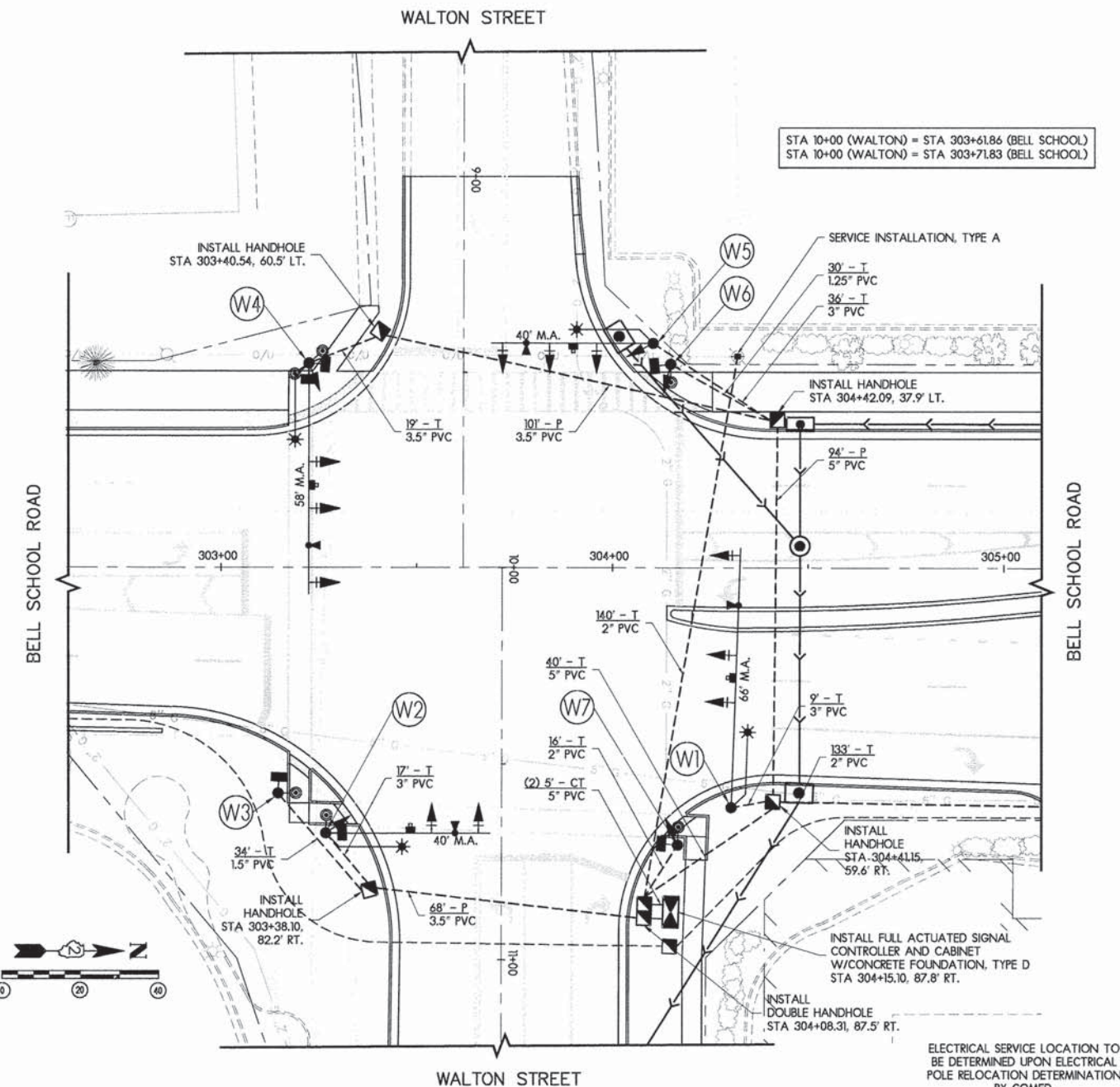
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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		DATE - #DATE1#	REVISED - -



INTERCONNECT PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	67
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



STA 10+00 (WALTON) = STA 303+61.86 (BELL SCHOOL)
 STA 10+00 (WALTON) = STA 303+71.83 (BELL SCHOOL)

GENERAL NOTES

- CALL J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION (800)892-0123
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL TRAFFIC SIGNAL EQUIPMENT IS TO BE SPUN ALUMINUM OR GALVANIZED FINISH EXCEPT FOR SIGNAL HEADS.
- ALL BRACKET ARMS SHALL BE POLYCARBONATE.
- ALL LENSES SHALL BE 12" LED.
- EAGLE BRAND EQUIPMENT MUST BE USED FOR COMPATIBILITY WITH EXISTING CITY EQUIPMENT. CONTACT THE CITY OF ROCKFORD TRAFFIC DIVISION FOR SPECIFIC MODELS ALLOWED, OR CONSULT THE ASSOCIATED PROJECT SPECIFICATIONS MANUAL.
- THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM SHALL BE THE "TOMAR/OPTRONIX OPTICAL PRE-EMPTION SYSTEM". THIS TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE ONE SINGLE EMERGENCY VEHICLE DETECTOR WITH SINGLE CONFIRMATION BEACON FOR EACH DIRECTION OF TRAFFIC. CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078 FOR FURTHER INFORMATION IN REGARDS TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- THE VIDEO DETECTION SYSTEM SHALL BE ODECTICS' VANTAGE VIDEO DETECTION FAMILY. THE VANTAGE PROCESSOR SHALL NOT BE CONSIDERED A SEPARATE PAY ITEM; NOR SHALL CONNECTORS, OR ANY OTHER NON-LISTED PAY ITEM. THESE ITEMS SHALL BE COVERED UNDER THE PAY ITEM: "VIDEO DETECTION SYSTEM". FOR ADDITIONAL INFORMATION REGARDING THE MANUFACTURER'S INSTALLATION REQUIREMENTS CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078.
- THE REQUIRED COAXIAL VIDEO CABLE AND POWER CABLES FOR THE VIDEO CAMERA DETECTION SYSTEM SHALL BE INCIDENTAL TO THE VIDEO CAMERA DETECTION SYSTEM.
- MAST ARMS SHALL BE DESIGNED TO ACCOMMODATE 1'8"x72" STREET NAME SIGN. THE MAST ARM MOUNTED STREET SIGNS SHALL FOLLOW IDOT STANDARD 720016-01. EXISTING STREET NAME SIGNS AT BELL SCHOOL/ STATE INTERSECTION SHALL BE SALVAGED BY CONTRACTOR AND REINSTALLED. CITY OF ROCKFORD TO FABRICATE AND INTALL STREET NAME SIGNS AT ARGUS AND WALTON INTERSECTIONS.
- VIDEO DETECTION ZONES TO BE ESTABLISHED IN FIELD AT TIME OF SYSTEM SETUP. PROVIDE ADVANCE VIDEO DETECTION ZONE ALONG EACH STREET 350' IN ADVANCE OF THE STOP BAR. ADEQUATE SIGHT DISTANCE AVAILABLE.
- A 4" THICK CONCRETE PAD SHALL BE PROVIDED ADJACENT TO THE TRAFFIC SIGNAL CONTROLLER FOUNDATION. THE SIDEWALK SHALL BE THE SAME WIDTH AS THE TYPE 'D' FOUNDATION, AND SHALL EXTEND THREE FEET FROM THE FOUNDATION. INSTALLATION OF THIS SIDEWALK IS INCIDENTAL TO THE TYPE 'D' FOUNDATION.
- ADDITIONAL PROGRAMMING OF THE MASTER CONTROLLER TO ACCOMMODATE THE NEW SIGNALIZED INTERSECTION SHALL BE PERFORMED BY A TRAINED TECHNICIAN FROM THE MANUFACTURER AND/OR SUPPLIER, WHO HAS EXPERIENCE IN PROGRAMMING AND TROUBLE-SHOOTING, WHO CAN CORRECT ANY PROBLEMS WHICH MAY ARISE, AND WHO CAN VERIFY THAT THE INTERCONNECT SYSTEM IS FUNCTIONING AS INTENDED. THIS WORK SHALL BE INCIDENTAL TO THE INSTALLATION OF THE NEW INTERCONNECT CABLE.
- QUESTIONS ON THE OPERATION OF THE TRAFFIC SIGNAL SYSTEMS SHOULD BE DIRECTED TO THE CITY OF ROCKFORD.

TRAFFIC SIGNAL KEY

- W1** STATION 304+30.48, 61.2' RT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 66 FT. CONCRETE FOUNDATION, TYPE E, 25' DEPTH, 42" DIA. LUMINAIRE, LED, 8' MAST ARM, 40' MTG HT. VIDEO VEHICLE DETECTION SYSTEM. EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM. SIGNAL HEAD, LED, 1 FACE, 5-SECTION, MAST ARM MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2)
- W2** STATION 303+26.93, 67.8 RT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT. CONCRETE FOUNDATION, TYPE E, 10' DEPTH, 30" DIA. LUMINAIRE, LED, 8' MAST ARM, 40' MTG HT. VIDEO VEHICLE DETECTION SYSTEM. PEDESTRIAN PUSH BUTTON. SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL). EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM. SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED. PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- W3** STATION 303+14.67, 57.6' RT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON. SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL). PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- W4** STATION 303+22.34, 52.4' LT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 58 FT. CONCRETE FOUNDATION, TYPE E, 25' DEPTH, 42" DIA. LUMINAIRE, LED, 8' MAST ARM, 40' MTG HT. VIDEO VEHICLE DETECTION SYSTEM. PEDESTRIAN PUSH BUTTON (2). SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL) (2). EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM. SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2). PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (2)
- W5** STATION 304+10.25, 57.5' RT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT. CONCRETE FOUNDATION, TYPE E, 13' DEPTH, 36" DIA. LUMINAIRE, LED, 8' MAST ARM, 40' MTG HT. VIDEO VEHICLE DETECTION SYSTEM. EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM. SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED. SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2)
- W6** STATION 304+14.79, 52.1' LT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON. SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL). SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED. PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- W7** STATION 304+16.78, 70.7' RT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON. SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL). SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED. PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER			G.S. CONDUIT IN TRENCH OR PUSHED		
SERVICE INSTALLATION			DETECTOR LOOP		
SIGNAL HEAD			COMMON TRENCH		
SIGNAL HEAD WITH BACKPLATE			UNIT DUCT		
SIGNAL HEAD, PEDESTRIAN			LOUVERED		
SIGNAL POST			SIGNAL HEAD OPTICALLY PROGRAMMED		
MAST ARM ASSEMBLY AND POLE, STEEL			PEDESTRIAN PUSH BUTTON		
HANDHOLE			OPTICAL DETECTOR WITH CONFIRMATION BEACON		
HEAVY DUTY HANDHOLE			VIDEO DETECTOR CAMERA		
DOUBLE HANDHOLE			LUMINAIRE		

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

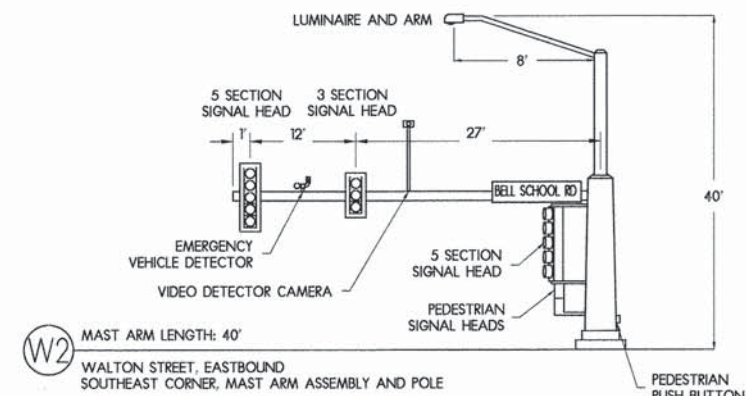
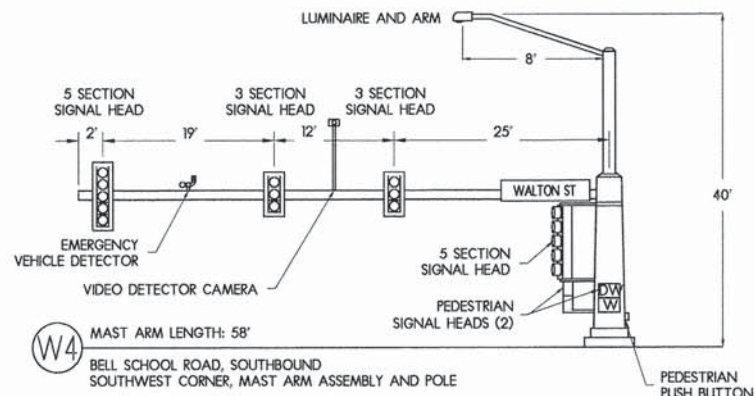
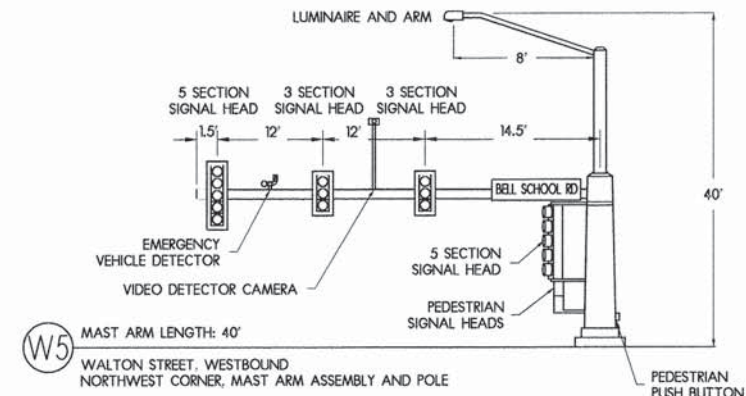
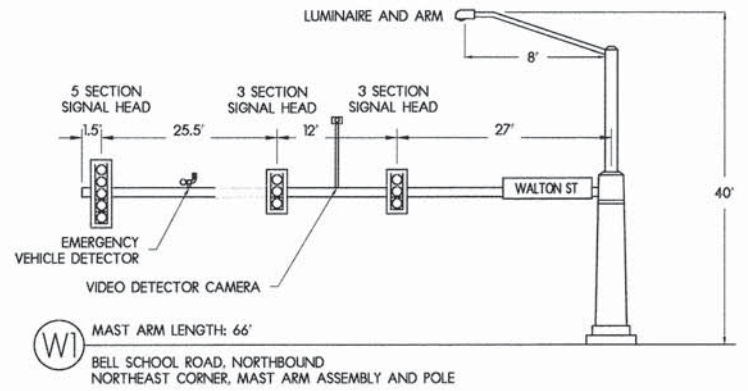
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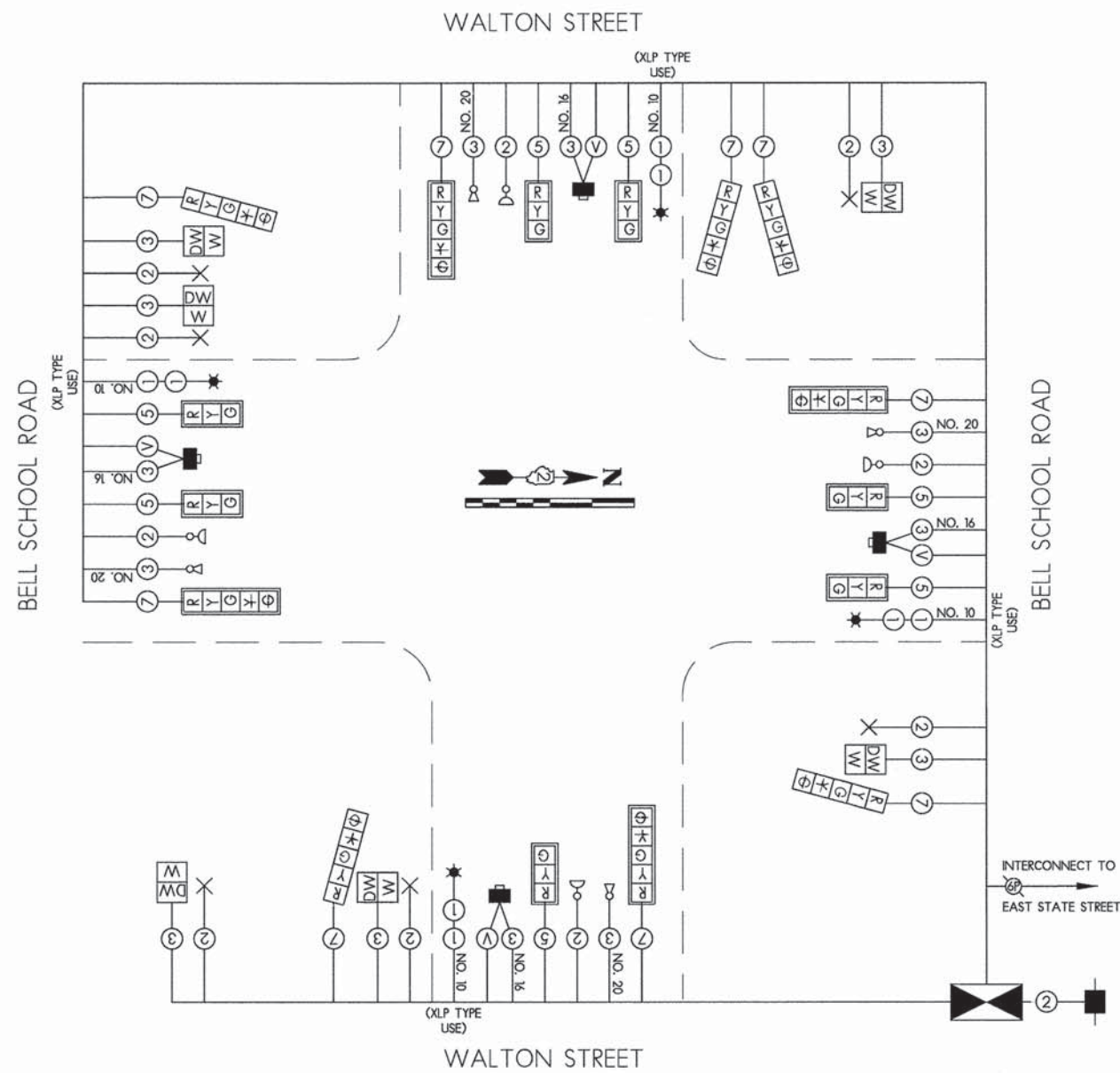
TRAFFIC SIGNAL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	68
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

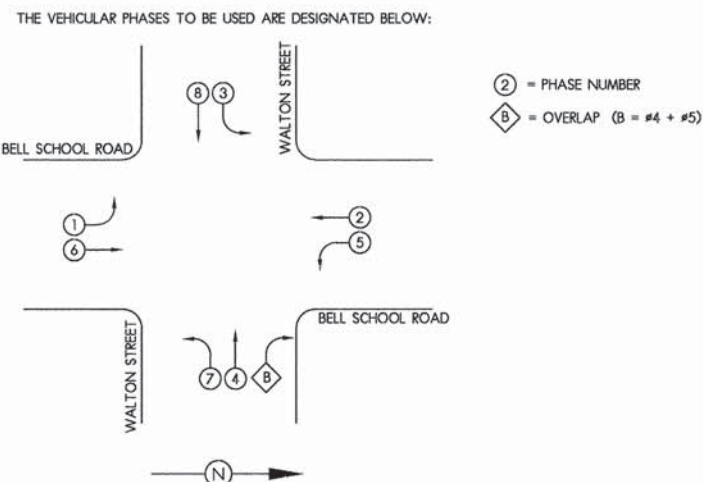
MAST ARM DETAILS



CABLE PLAN



PHASE DESIGNATION DIAGRAM



CABLE PLAN LEGEND

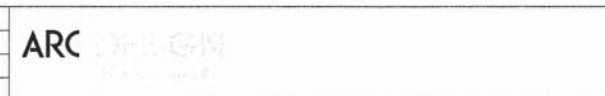
	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
12" PEDESTRIAN SIGNAL SECTION	[Symbol]	[Symbol]
12" TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
DENOTES NUMBER OF CONDUCTORS. ALL LOOP DETECTOR CABLE SHALL BE NO. 18 TWISTED, SHIELDED. ALL OTHER CABLE SHALL BE NO. 14 AWG UNLESS NOTED. P = NUMBER OF PAIRS	[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE "P" INDICATES OPTICALLY PROGRAMMED "L" INDICATES DIRECTIONAL LOUVRE, TYPE B	[Symbol]	[Symbol]
SIGNAL FACE WITHOUT BACKPLATE	[Symbol]	[Symbol]
LUMINAIRE	[Symbol]	[Symbol]
PEDESTRIAN PUSH BUTTON DETECTOR	[Symbol]	[Symbol]
OPTICAL DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
VIDEO DETECTOR CAMERA	[Symbol]	[Symbol]

SUMMARY OF QUANTITIES

Pay Item #	SP	Description	Unit	Quantity
80500100		Service Installation, Type A	EACH	1
81028730		Underground Conduit, Coilable Non-Metallic Conduit, 1 1/4" Dia.	FOOT	30
81028740		Underground Conduit, Coilable Non-Metallic Conduit, 1 1/2" Dia.	FOOT	34
81028750		Underground Conduit, Coilable Non-Metallic Conduit, 2" Dia.	FOOT	149
81028770		Underground Conduit, Coilable Non-Metallic Conduit, 3" Dia.	FOOT	62
81028780		Underground Conduit, Coilable Non-Metallic Conduit, 3 1/2" Dia.	FOOT	188
81028800		Underground Conduit, Coilable Non-Metallic Conduit, 5" Dia.	FOOT	144
81400100		Handhole	EACH	4
81400300		Double Handhole	EACH	1
81702417		Electric Cable In Conduit, 600V (XLP-Type Use), 3-1/C No. 6, 1C No. 6 Ground	FOOT	1007
85100500		Paint New Traffic Signal Post	EACH	3
85100901		Paint New Combination Mast Arm and Pole, Over 40 ft	EACH	4
85700200		Full-Actuated Controller and Type IV Cabinet	EACH	1
87301215		Electric Cable in Conduit, Signal No. 14 2C	FOOT	1206
87301225		Electric Cable in Conduit, Signal No. 14 3C	FOOT	1206
87301245		Electric Cable in Conduit, Signal No. 14 5C	FOOT	1672
87301255		Electric Cable in Conduit, Signal No. 14 7C	FOOT	1975
87301805		Electric Cable in Conduit, Service No. 6 2C	FOOT	184
87502500		Traffic Signal Post, Galvanized Steel 16 ft.	EACH	3
87702930		Steel Combination Mast Arm Assembly and Pole 40 ft.	EACH	2
87703020		Steel Combination Mast Arm Assembly and Pole 58 ft.	EACH	1
87703070		Steel Combination Mast Arm Assembly and Pole 66 ft.	EACH	1
87800100		Concrete Foundation, Type A	FOOT	9
87800200		Concrete Foundation, Type D	FOOT	3.5
87800400		Concrete Foundation, Type E 30-Inch Diameter	FOOT	10
87800415		Concrete Foundation, Type E 36-Inch Diameter	FOOT	13
87800420		Concrete Foundation, Type E 42-Inch Diameter	FOOT	46
88030020		Signal Head, LED, 1-Face, 3-Section, Mast Arm Mounted	EACH	7
88030100		Signal Head, LED, 1-Face, 5-Section, Bracket Mounted	EACH	5
88030110		Signal Head, LED, 1-Face, 5-Section, Mast Arm Mounted	EACH	4
88102825		Pedestrian Signal Head, Polycarbonate, LED, 1-Face, Bracket Mounted with Count Down Timer	EACH	6
88200100		Traffic Signal Backplate	EACH	11
88800100		Pedestrian Push Button	EACH	6
89502375		Remove Existing Traffic Signal Equipment	EACH	1
X8870300		Emergency Vehicle Priority System	EACH	1
XX002182		Street Name Sign Mast Arm Mount	EACH	4
Z0033072		Video Vehicle Detection System	EACH	1

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
#FILES#		DRAWN - MWH	REVISED -
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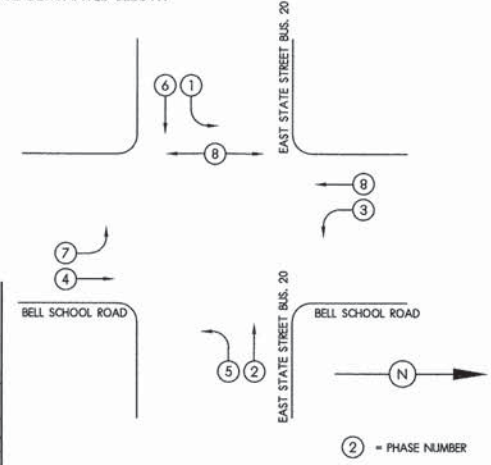
CABLE PLAN - BELL SCHOOL & WALTON

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	69
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

EAST STATE STREET - US BR 20

TEMPORARY PHASE DESIGNATION DIAGRAM

THE VEHICULAR AND PEDESTRIAN PHASES TO BE USED ARE DESIGNATED BELOW:



MACHINE SHED RESTAURANT

STARBUCKS

BURGER KING RESTAURANT

ROAD RANGER GAS STATION

BELL SCHOOL ROAD

BELL SCHOOL ROAD



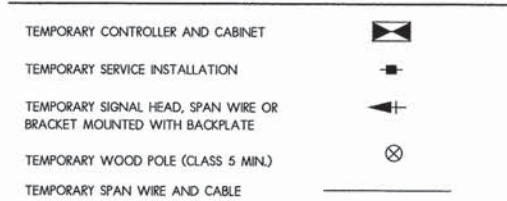
REMOVAL NOTES

- QUANTITIES OF ELECTRIC CABLE TO BE REMOVED ARE TAKEN FROM EXISTING PLAN INFORMATION.
- ANY EXISTING CONDUIT THAT IS CONNECTED TO SIGNAL POSTS, MAST ARMS, OR DETECTOR LOOPS TO BE REMOVED OR ABANDONED SHALL BE CONSIDERED AS ABANDONED CONDUITS. THE CONTRACTOR MAY REMOVE THESE CONDUITS AT HIS OPTION. THE REMOVAL OF ANY CONDUITS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE COUNTY OF WINNEBAGO. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL AND DELIVERY OF THE EQUIPMENT TO THE COUNTY YARD.
 - 2 EACH SIGNAL HEADS
 - 1 EACH MAST ARM ASSEMBLY AND POLE
- THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETAINED BY HIM FOR SALVAGE VALUE:
 - ALL FOOT ELECTRIC CABLE
 - 10 EACH HANDHOLE COVERS
- CONTRACTOR SHALL VERIFY THAT CONDUITS OR HANDHOLES TO BE REMOVED DO NOT CONTAIN ANY CABLES TO REMAIN FOR THE FINAL OPERATION OF THE SIGNAL. NOTIFY THE ENGINEER OF ANY UNIDENTIFIED CABLES WITHIN PROPOSED HANDHOLES OR CONDUITS PRIOR TO REMOVAL. FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR REPLACING NECESSARY CABLES AT HIS EXPENSE.

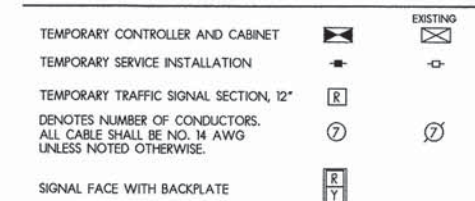
NOTES FOR TEMPORARY TRAFFIC SIGNAL

- CONTROLLER USED FOR TEMPORARY TRAFFIC SIGNALS SHALL USE A PRE-TIMED CYCLE.
- A DIGITAL TIME BASED COORDINATING UNIT SHALL BE SUPPLIED WITH EACH TEMPORARY TRAFFIC SIGNAL CONTROLLER. THE CONTROLLER SETTINGS SHALL BE ESTABLISHED IN THE FIELD WITH ASSISTANCE FROM THE CITY OF ROCKFORD TRAFFIC SIGNAL DIVISION.
- ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12". ALL SIGNAL HEADS SHALL BE EQUIPPED WITH BACKPLATES. SIGNAL HEADS SHALL BE LOCATED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK IN THE CABLE TO RELOCATE SIGNAL HEADS TO ANY LOCATION ON THE SPAN WIRE AS REQUIRED BY CONSTRUCTION STAGING OPERATIONS. THE TEMPORARY TRAFFIC SIGNAL HEAD SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL LABOR AND MATERIALS REQUIRED TO SUPPLY A FULLY OPERATIONAL TEMPORARY TRAFFIC SIGNAL SYSTEM COMPLYING WITH THESE REQUIREMENTS, AS WELL AS MAINTENANCE OF THE TEMPORARY TRAFFIC SIGNAL DURING CONSTRUCTION AND RELOCATION OF HEADS DURING THE STAGING OF THE THE ROADWAY IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.

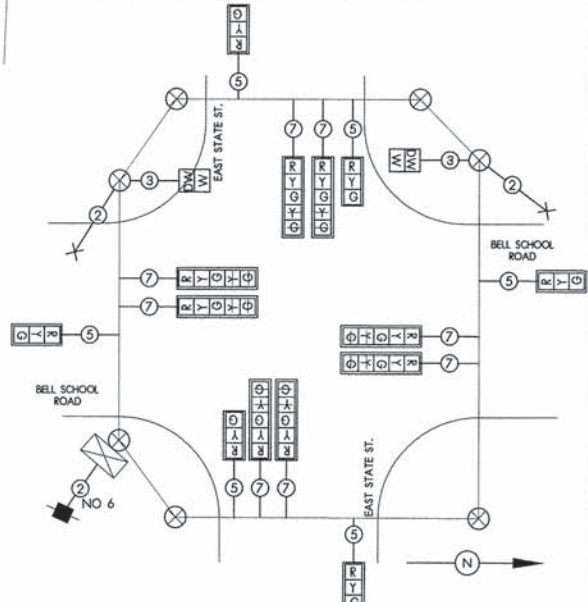
TEMPORARY TRAFFIC SIGNAL LEGEND



TEMPORARY CABLE PLAN LEGEND



TEMPORARY CABLE PLAN



DATE	12/10/10
DRAWN	MWH
REVIEWED	DPA

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DATE - #DATE1#

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BELL SCHOOL & STATE TEMPORARY TRAFFIC SIGNAL PLAN

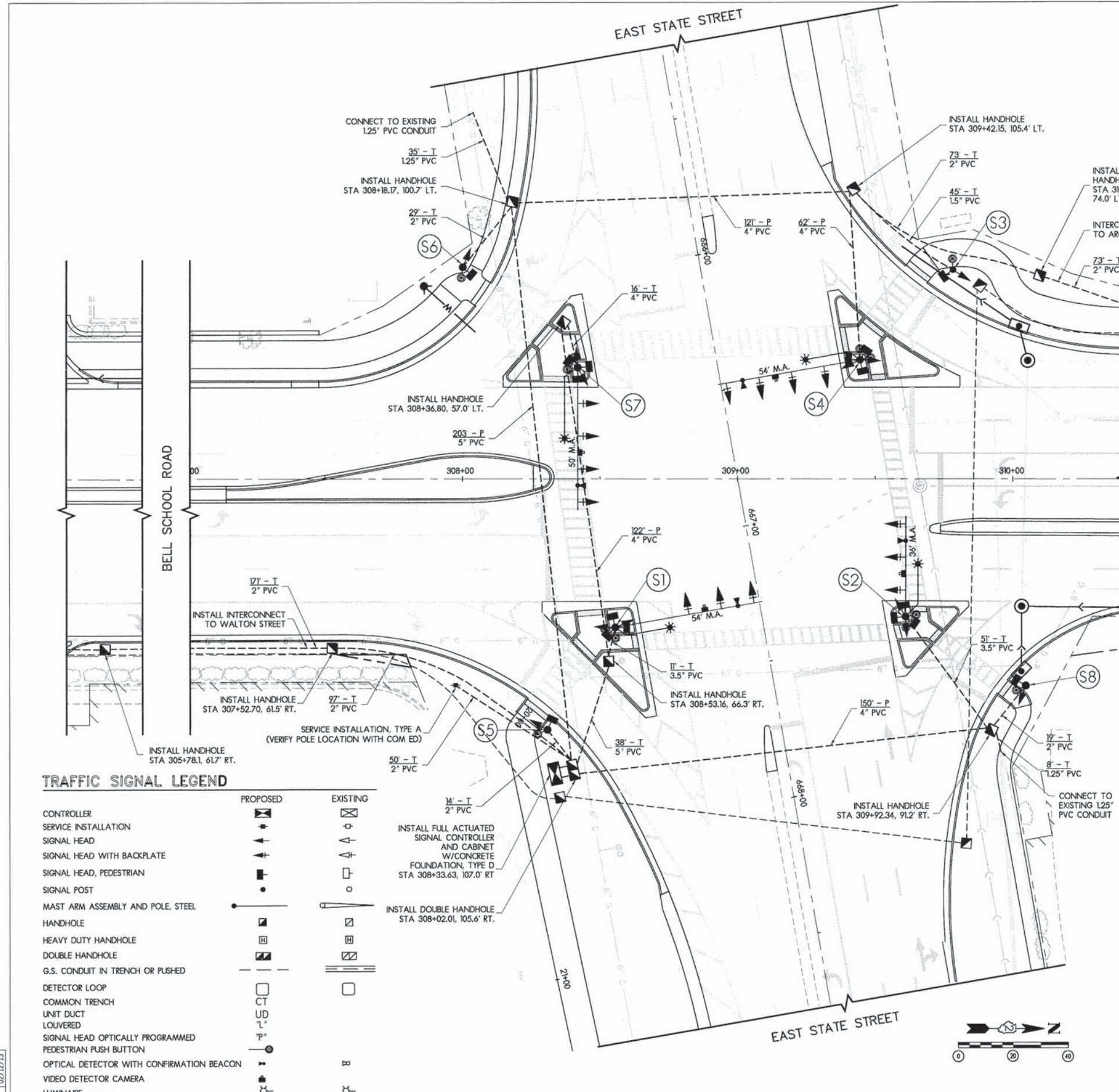
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	70
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- CALL J.U.L.L.E. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION (800)892-0123
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL TRAFFIC SIGNAL EQUIPMENT IS TO BE SPUN ALUMINUM OR GALVANIZED FINISH EXCEPT FOR SIGNAL HEADS.
- ALL BRACKET ARMS SHALL BE POLYCARBONATE.
- ALL LENSES SHALL BE 12" LED.
- EAGLE BRAND EQUIPMENT MUST BE USED FOR COMPATIBILITY WITH EXISTING CITY EQUIPMENT. CONTACT THE CITY OF ROCKFORD TRAFFIC DIVISION FOR SPECIFIC MODELS ALLOWED, OR CONSULT THE ASSOCIATED PROJECT SPECIFICATIONS MANUAL.
- THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM SHALL BE THE 'TOMAR/OPTRONIX OPTICAL PRE-EMPTION SYSTEM'. THIS TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE ONE SINGLE EMERGENCY VEHICLE DETECTOR WITH SINGLE CONFIRMATION BEACON FOR EACH DIRECTION OF TRAFFIC. CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078 FOR FURTHER INFORMATION IN REGARDS TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- THE VIDEO DETECTION SYSTEM SHALL BE ODETTICS' VANTAGE VIDEO DETECTION FAMILY. THE VANTAGE PROCESSOR SHALL NOT BE CONSIDERED A SEPARATE PAY ITEM; NOR SHALL CONNECTORS, OR ANY OTHER NON-LISTED PAY ITEM. THESE ITEMS SHALL BE COVERED UNDER THE PAY ITEM: 'VIDEO DETECTION SYSTEM'. FOR ADDITIONAL INFORMATION REGARDING THE MANUFACTURER'S INSTALLATION REQUIREMENTS CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078.
- EXISTING CONDUIT, COMBINATION MAST ARM ASSEMBLY AND POLES, SIGNAL POSTS, AND SIGNALS TO REMAIN IN PLACE OR BE RELOCATED SHALL BE CHECKED BY THE CONTRACTOR AND ENGINEER TO VERIFY THE EXISTING CONDITION PRIOR TO ANY RELOCATION OPERATION.
- EXISTING CABLE REMOVAL FROM CONDUIT, COMBINATION MAST ARM ASSEMBLY AND POLES, AND SIGNAL POSTS SHALL BE INCIDENTAL TO 'RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE'.
- FIBER OPTIC CABLE REMOVAL AND REINSTALLATION FOR INTERCONNECT SYSTEM ALONG E. STATE STREET SHALL BE INCIDENTAL TO 'CONDUIT IN TRENCH, 1 1/4" DIAMETER, PVC'. REFER TO INTERCONNECT PLAN FOR DETAILS.
- THE REQUIRED COAXIAL VIDEO CABLE AND POWER CABLES FOR THE VIDEO CAMERA DETECTION SYSTEM SHALL BE INCIDENTAL TO THE VIDEO CAMERA DETECTION SYSTEM.
- MAST ARMS SHALL BE DESIGNED TO ACCOMMODATE 1 18"x72" STREET NAME SIGN. THE MAST ARM MOUNTED STREET SIGNS SHALL FOLLOW IDOT STANDARD 720016-01. EXISTING STREET NAME SIGNS AT BELL SCHOOL/STATE INTERSECTION SHALL BE SALVAGED BY CONTRACTOR AND REINSTALLED. CITY OF ROCKFORD TO FABRICATE AND INSTALL STREET NAME SIGNS AT ARGUS AND WALTON INTERSECTIONS.
- VIDEO DETECTION ZONES TO BE ESTABLISHED IN FIELD AT TIME OF SYSTEM SETUP. PROVIDE ADVANCE VIDEO DETECTION ZONE ALONG EACH STREET 350' IN ADVANCE OF THE STOP BAR. ADEQUATE SIGHT DISTANCE AVAILABLE.
- A 4" THICK CONCRETE PAD SHALL BE PROVIDED ADJACENT TO THE TRAFFIC SIGNAL CONTROLLER FOUNDATION. THE SIDEWALK SHALL BE THE SAME WIDTH AS THE TYPE 'D' FOUNDATION, AND SHALL EXTEND THREE FEET FROM THE FOUNDATION. INSTALLATION OF THIS SIDEWALK IS INCIDENTAL TO THE TYPE 'D' FOUNDATION.
- ADDITIONAL PROGRAMMING OF THE MASTER CONTROLLER TO ACCOMMODATE THE NEW SIGNALIZED INTERSECTION SHALL BE PERFORMED BY A TRAINED TECHNICIAN FROM THE MANUFACTURER AND/OR SUPPLIER WHO HAS EXPERIENCE IN PROGRAMMING AND TROUBLE-SHOOTING, WHO CAN CORRECT ANY PROBLEMS WHICH MAY ARISE, AND WHO CAN VERIFY THAT THE INTERCONNECT SYSTEM IS FUNCTIONING AS INTENDED. THIS WORK SHALL BE INCIDENTAL TO THE INSTALLATION OF THE NEW INTERCONNECT CABLE.
- QUESTIONS ON THE OPERATION OF THE TRAFFIC SIGNAL SYSTEMS SHOULD BE DIRECTED TO THE CITY OF ROCKFORD.

TRAFFIC SIGNAL KEY

- S1** STATION 308+55+51, 54.0' RT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 54 FT. CONCRETE FOUNDATION, TYPE E, 15' DEPTH, 36" DIA LUMINAIRE, LED, 8" MAST ARM, 40' MTG. HT. VIDEO VEHICLE DETECTION SYSTEM PEDESTRIAN PUSH BUTTON (3) SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) (3) EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, MAST ARM MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2) PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (3)
- S2** STATION 309+61.01, 50.0 RT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT. CONCRETE FOUNDATION, TYPE E, 11' DEPTH, 36" DIA LUMINAIRE, LED, 8" MAST ARM, 40' MTG. HT. VIDEO VEHICLE DETECTION SYSTEM PEDESTRIAN PUSH BUTTON (3) SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) (3) EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, MAST ARM MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2) PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (3)
- S3** STATION 309+78.25, 76.0' LT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- S4** STATION 309+44.48, 43.4' LT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 52 FT. CONCRETE FOUNDATION, TYPE E, 13' DEPTH, 36" DIA LUMINAIRE, LED, 8" MAST ARM, 40' MTG. HT. VIDEO VEHICLE DETECTION SYSTEM PEDESTRIAN PUSH BUTTON (3) SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) (3) EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2) PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (3)
- S5** STATION 308+30.88, 91.2' RT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- S6** STATION 308+10.2, 77.0' LT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER
- S7** STATION 308+41.86, 40.6' LT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT. CONCRETE FOUNDATION, TYPE E, 11' DEPTH, 36" DIA LUMINAIRE, LED, 8" MAST ARM, 40' MTG. HT. VIDEO VEHICLE DETECTION SYSTEM PEDESTRIAN PUSH BUTTON (3) SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) (3) EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, MAST ARM MOUNTED (2) SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2) PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (3)
- S8** STATION 310+04.74, 75.2' RT. TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' PEDESTRIAN PUSH BUTTON SIGN 'R10-48" (PUSH BUTTON FOR WALK SIGNAL) SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
UNIT DUCT	[Symbol]	[Symbol]
LOUVERED	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
PEDESTRIAN PUSH BUTTON	[Symbol]	[Symbol]
OPTICAL DETECTOR WITH CONFIRMATION BEACON	[Symbol]	[Symbol]
VIDEO DETECTOR CAMERA	[Symbol]	[Symbol]
LUMINAIRE	[Symbol]	[Symbol]

REVISED	02/12/13
REVIEWED	02/12/13
DRAWN	02/12/13
APPROVED	02/12/13

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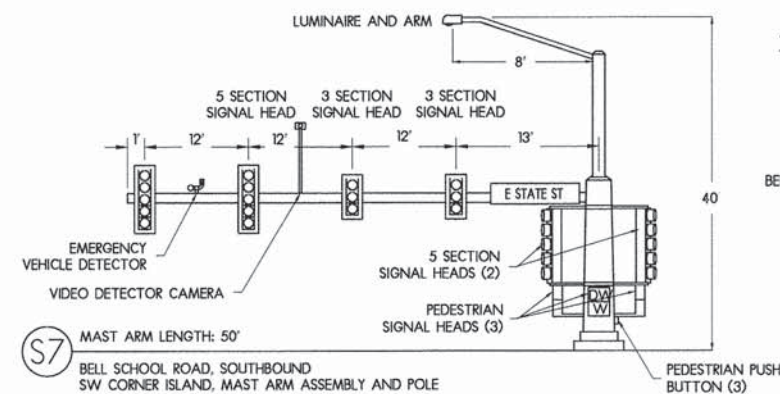
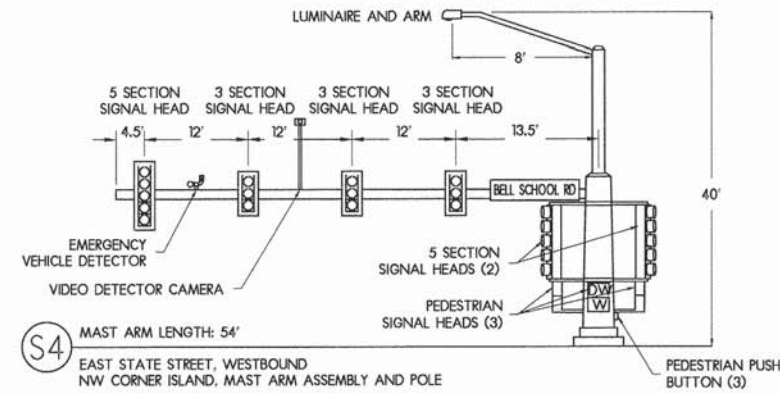
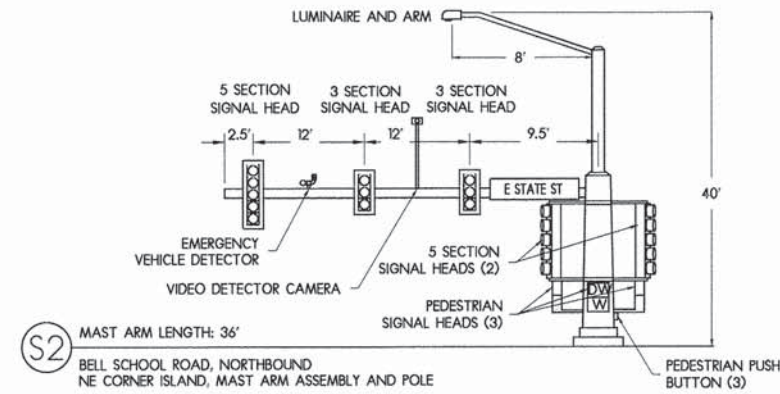
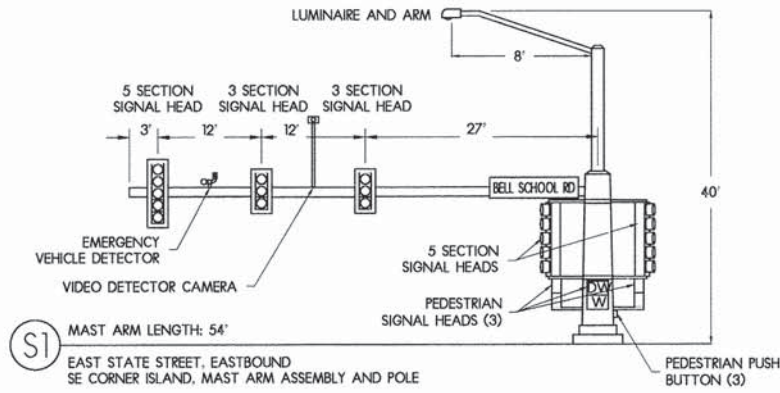
TRAFFIC SIGNAL PLAN - BELL SCHOOL & STATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	71
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

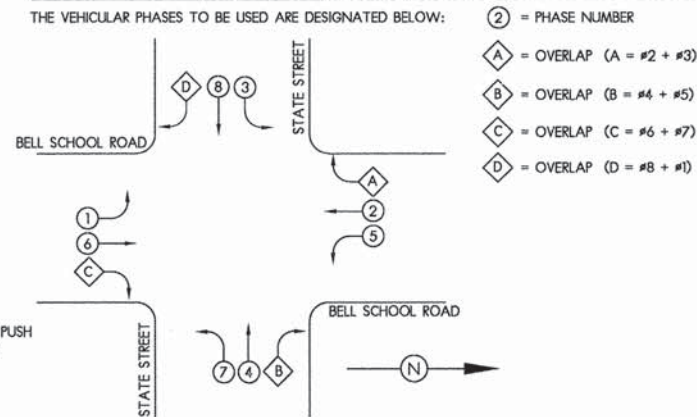
MAST ARM DETAILS

CABLE PLAN

SUMMARY OF QUANTITIES

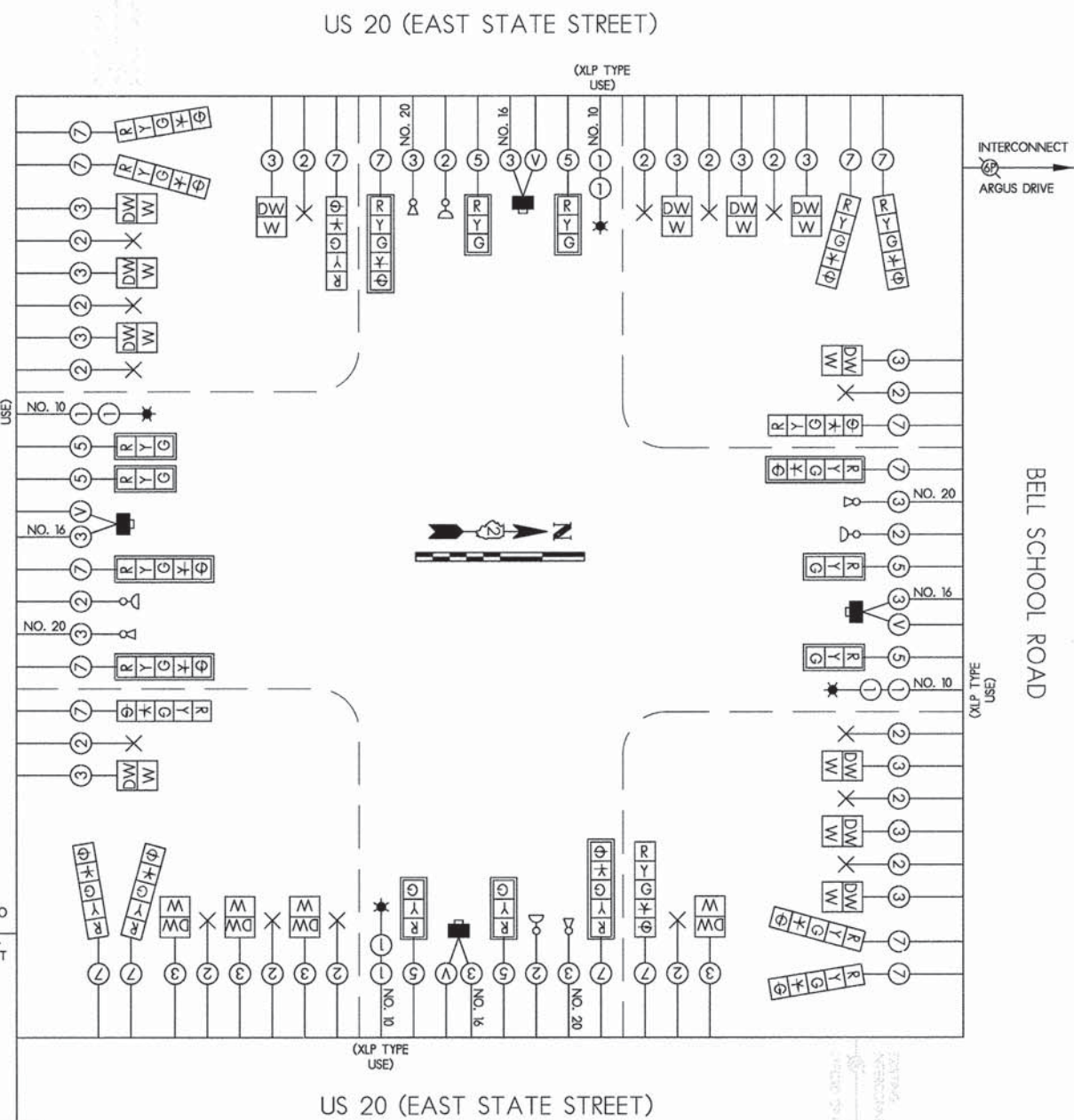


PHASE DESIGNATION DIAGRAM



CABLE PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER	⊞	⊞	SIGNAL FACE WITHOUT BACKPLATE	R Y G	R Y G
SERVICE INSTALLATION	+	+	LUMINAIRE	*	*
12" TRAFFIC SIGNAL SECTION	R	R	LIGHT DETECTOR	⊘	⊘
DENOTES NUMBER OF CONDUCTORS. ALL LOOP DETECTOR CABLE SHALL BE NO. 18 TWISTED, SHIELDED. ALL OTHER CABLE SHALL BE NO. 14 AWG UNLESS NOTED. P = NUMBER OF PAIRS	⑦	⑦	CONFIRMATION BEACON	⊘	⊘
SIGNAL FACE WITH BACKPLATE	R Y G	R Y G	VIDEO DETECTOR CAMERA	⊞	⊞
"P" INDICATES OPTICALLY PROGRAMMED	R Y G P	R Y G P	VIDEO DETECTOR CABLE BELDEN 8281 COAXIAL	⊞	⊞
"L" INDICATES DIRECTIONAL LOUVRE, TYPE B	R Y G L	R Y G L	PEDESTRIAN PUSH BUTTON	X	X



Pay Item #	SP	Description	Unit	Quantity
80500100		Service Installation, Type A	EACH	1
81028730		Underground Conduit, Coillable Non-Metallic Conduit, 1 1/4" Dia.	FOOT	43
81028740		Underground Conduit, Coillable Non-Metallic Conduit, 1 1/2" Dia.	FOOT	45
81028750		Underground Conduit, Coillable Non-Metallic Conduit, 2" Dia.	FOOT	476
81028780		Underground Conduit, Coillable Non-Metallic Conduit, 3 1/2" Dia.	FOOT	62
81028790		Underground Conduit, Coillable Non-Metallic Conduit, 4" Dia.	FOOT	321
81028800		Underground Conduit, Coillable Non-Metallic Conduit, 5" Dia.	FOOT	241
81400100		Handhole	EACH	7
81400300		Double Handhole	EACH	1
81702417		Electric Cable In Conduit, 600V (XLP-Type Use), 3-1/C No. 6, 1C No. 6 Ground	FOOT	1226
85100500		Paint New Traffic Signal Post	EACH	4
85100800		Paint New Combination Mast Arm and Pole, Under 40 ft	EACH	1
85100901		Paint New Combination Mast Arm and Pole, Over 40 ft	EACH	3
85700200		Full-Actuated Controller and Type IV Cabinet	EACH	1
87301215		Electric Cable in Conduit, Signal No. 14 2C	FOOT	4071
87301225		Electric Cable in Conduit, Signal No. 14 3C	FOOT	4071
87301245		Electric Cable in Conduit, Signal No. 14 5C	FOOT	2284
87301255		Electric Cable in Conduit, Signal No. 14 7C	FOOT	4546
87301805		Electric Cable in Conduit, Service No. 6 2C	FOOT	94
87502500		Traffic Signal Post, Galvanized Steel 16 ft.	EACH	4
87702910		Steel Combination Mast Arm Assembly and Pole 36 ft.	EACH	1
87702980		Steel Combination Mast Arm Assembly and Pole 50 ft.	EACH	1
87702990		Steel Combination Mast Arm Assembly and Pole 54 ft.	EACH	2
87800100		Concrete Foundation, Type A	FOOT	12
87800200		Concrete Foundation, Type D	FOOT	3.5
87800415		Concrete Foundation, Type E 36-inch Diameter	FOOT	54
88030020		Signal Head, LED, 1-Face, 3-Section, Mast Arm Mounted	EACH	9
88030100		Signal Head, LED, 1-Face, 5-Section, Bracket Mounted	EACH	12
88030110		Signal Head, LED, 1-Face, 5-Section, Mast Arm Mounted	EACH	5
88102825		Pedestrian Signal Head, Polycarbonate, LED, 1-Face, Bracket Mounted with Count Down Timer	EACH	16
88200100		Traffic Signal Backplate	EACH	14
88800100		Pedestrian Push Button	EACH	16
89000100		Temporary Traffic Signal Installation	EACH	1
89502375		Remove Existing Traffic Signal Equipment	EACH	1
X8100105		Conduit Splice	EACH	2
X8870300		Emergency Vehicle Priority System	EACH	1
X8950105		Remove Existing Traffic Controller and Cabinet	EACH	1
XX002182		Street Name Sign Mast Arm Mount	EACH	4
Z0033072		Video Vehicle Detection System	EACH	1

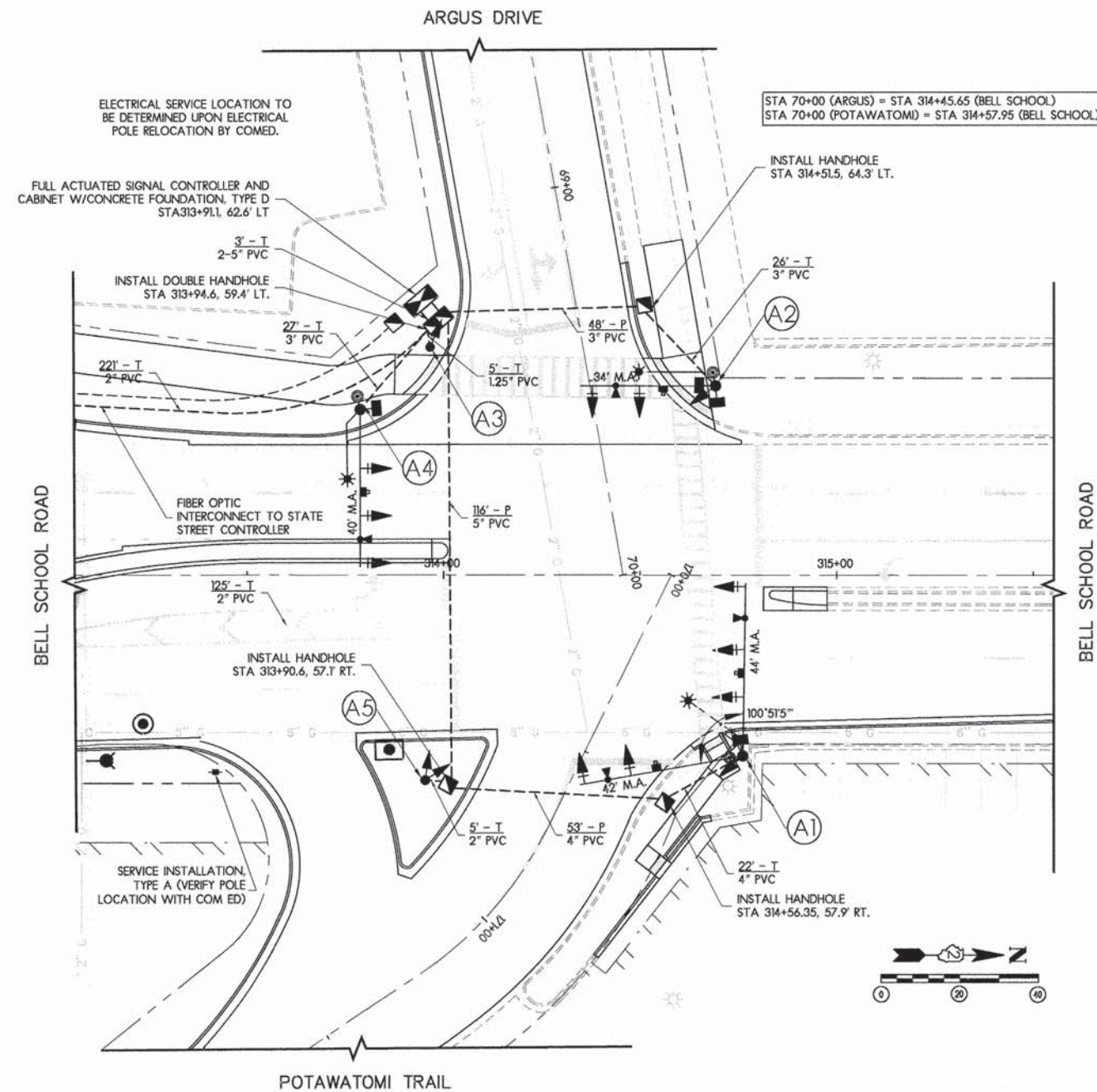
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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CABLE PLAN - BELL SCHOOL & STATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	72
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



STA 70+00 (ARGUS) = STA 314+45.65 (BELL SCHOOL)
 STA 70+00 (POTAWATOMI) = STA 314+57.95 (BELL SCHOOL)

GENERAL NOTES

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13. VIDEO DETECTION ZONES TO BE ESTABLISHED IN FIELD AT TIME OF SYSTEM SETUP. PROVIDE ADVANCE VIDEO DETECTION ZONE ALONG EACH STREET 350' IN ADVANCE OF THE STOP BAR. ADEQUATE SIGHT DISTANCE AVAILABLE.
14. A 4" THICK CONCRETE PAD SHALL BE PROVIDED ADJACENT TO THE TRAFFIC SIGNAL CONTROLLER FOUNDATION. THE SIDEWALK SHALL BE THE SAME WIDTH AS THE TYPE 'D' FOUNDATION, AND SHALL EXTEND THREE FEET FROM THE FOUNDATION. INSTALLATION OF THIS SIDEWALK IS INCIDENTAL TO THE TYPE 'D' FOUNDATION.
15. ADDITIONAL PROGRAMMING OF THE MASTER CONTROLLER TO ACCOMMODATE THE NEW SIGNALIZED INTERSECTION SHALL BE PERFORMED BY A TRAINED TECHNICIAN FROM THE MANUFACTURER AND/OR SUPPLIER, WHO HAS EXPERIENCE IN PROGRAMMING AND TROUBLE-SHOOTING, WHO CAN CORRECT ANY PROBLEMS WHICH MAY ARISE, AND WHO CAN VERIFY THAT THE INTERCONNECT SYSTEM IS FUNCTIONING AS INTENDED. THIS WORK SHALL BE INCIDENTAL TO THE INSTALLATION OF THE NEW INTERCONNECT CABLE.
16. QUESTIONS ON THE OPERATION OF THE TRAFFIC SIGNAL SYSTEMS SHOULD BE DIRECTED TO THE CITY OF ROCKFORD.

TRAFFIC SIGNAL KEY

- | | |
|--|--|
| <p>(A1) STATION 314+76.19, 46.1 RT.
 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT. (NB BELL SCHOOL)
 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT. (EB POTAWATOMI)
 CONCRETE FOUNDATION, TYPE E, 13' DEPTH, 36" DIA
 LUMINAIRE, LED, 8' MAST ARM, 40' MTG. HT.
 VIDEO VEHICLE DETECTION SYSTEM (2)
 PEDESTRIAN PUSH BUTTON
 SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL)
 EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM (2)
 SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2)
 SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2)
 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER</p> | <p>(A3) STATION 313+96.47, 57.7 LT.
 TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16'
 SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED</p> |
| <p>(A2) STATION 314+69.12, 48.0 LT.
 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.
 CONCRETE FOUNDATION, TYPE E, 11' DEPTH, 36" DIA
 LUMINAIRE, LED, 8' MAST ARM, 40' MTG. HT.
 VIDEO VEHICLE DETECTION SYSTEM
 PEDESTRIAN PUSH BUTTON (2)
 SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL) (2)
 EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM
 SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED
 SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2)
 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (2)</p> | <p>(A4) STATION 313+78.67, 44.0 LT.
 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.
 CONCRETE FOUNDATION, TYPE E, 13' DEPTH, 36" DIA
 LUMINAIRE, LED, 8' MAST ARM, 40' MTG. HT.
 VIDEO VEHICLE DETECTION SYSTEM
 PEDESTRIAN PUSH BUTTON (3)
 SIGN "R10-4B" (PUSH BUTTON FOR WALK SIGNAL) (3)
 EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM
 SIGNAL HEAD, LED, 1 FACE, 5-SECTION, MAST ARM MOUNTED
 SIGNAL HEAD, LED, 1 FACE, 3-SECTION, MAST ARM MOUNTED (2)
 PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER (3)</p> |
| | <p>(A5) STATION 313+95.36, 52.2 RT.
 TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16'
 SIGNAL HEAD, LED, 1 FACE, 5-SECTION, BRACKET MOUNTED (2)</p> |

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER			G.S. CONDUIT IN TRENCH OR PUSHED		
SERVICE INSTALLATION			DETECTOR LOOP		
SIGNAL HEAD			COMMON TRENCH		
SIGNAL HEAD WITH BACKPLATE			UNIT DUCT		
SIGNAL HEAD, PEDESTRIAN			LOUVERED		
SIGNAL POST			SIGNAL HEAD OPTICALLY PROGRAMMED		
MAST ARM ASSEMBLY AND POLE, STEEL			PEDESTRIAN PUSH BUTTON		
HANDHOLE			OPTICAL DETECTOR WITH CONFIRMATION BEACON		
HEAVY DUTY HANDHOLE			VIDEO DETECTOR CAMERA		
DOUBLE HANDHOLE			LUMINAIRE		

LAYOUT	12/10/10
DRAWN	02/12/13
REVIEWED	02/12/13

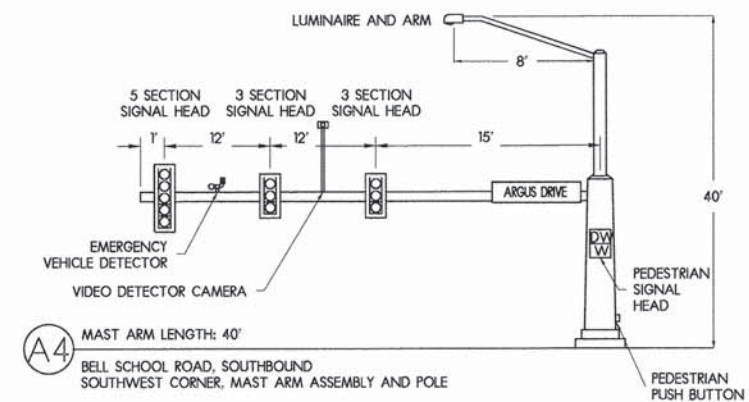
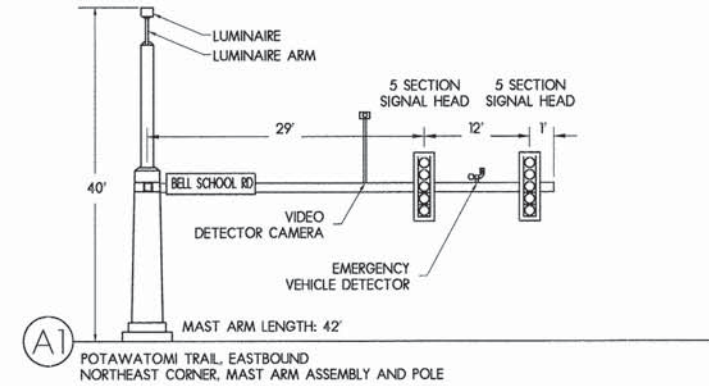
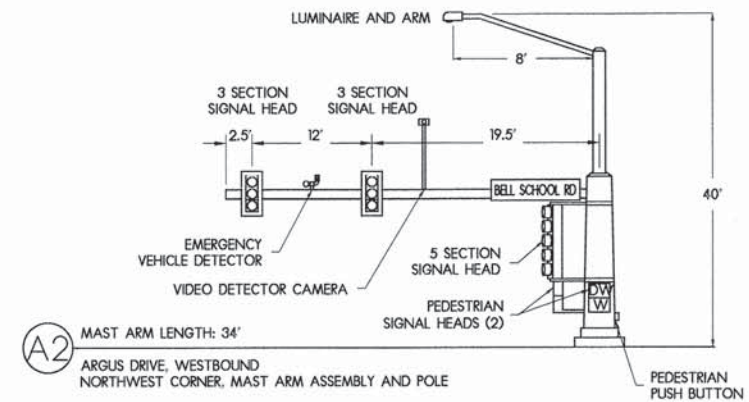
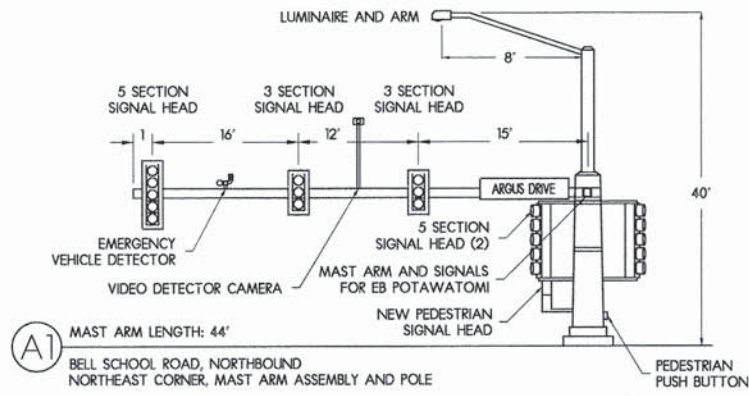
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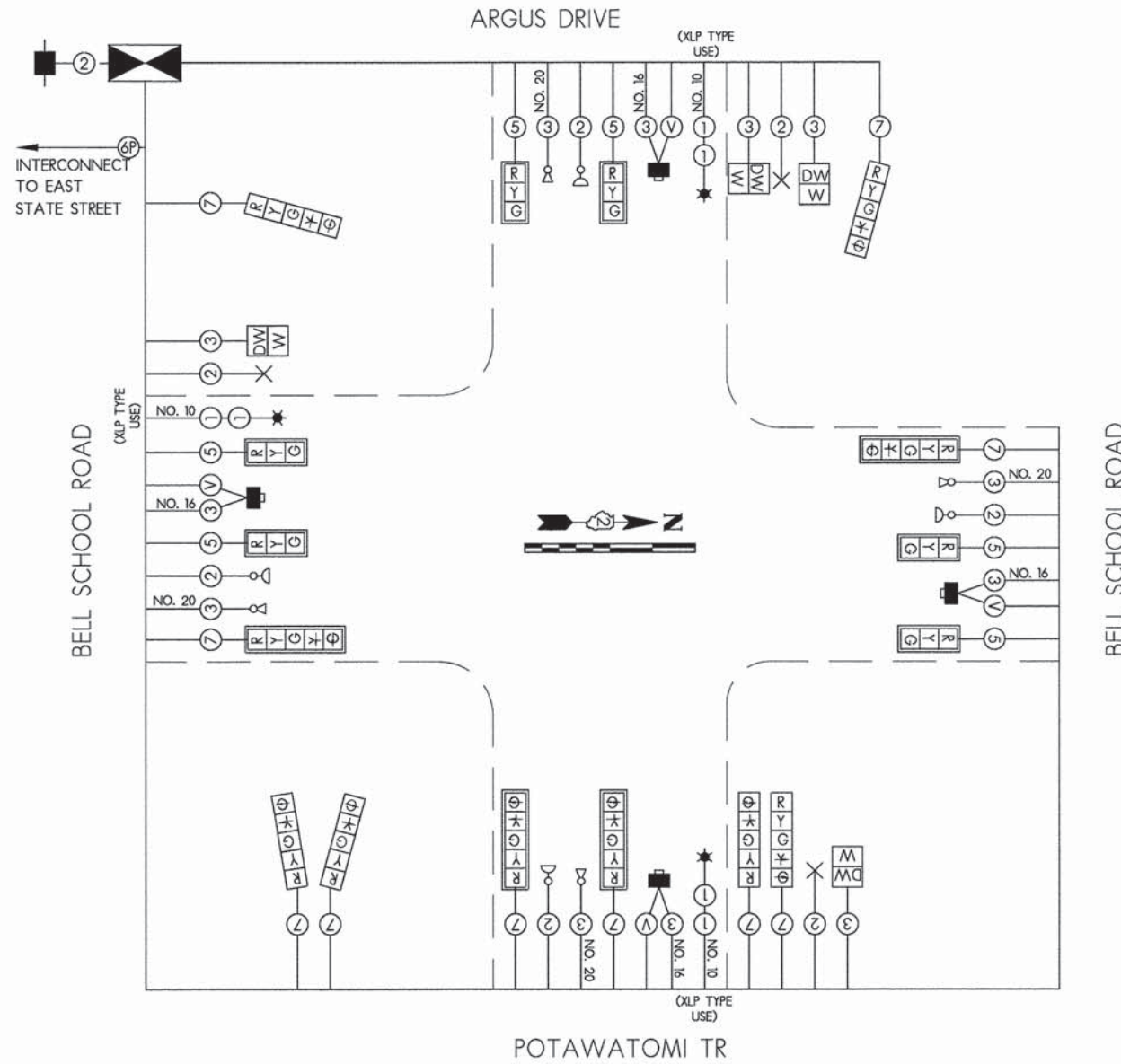
TRAFFIC SIGNAL PLAN - BELL SCHOOL & ARGUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	73
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

MAST ARM DETAILS

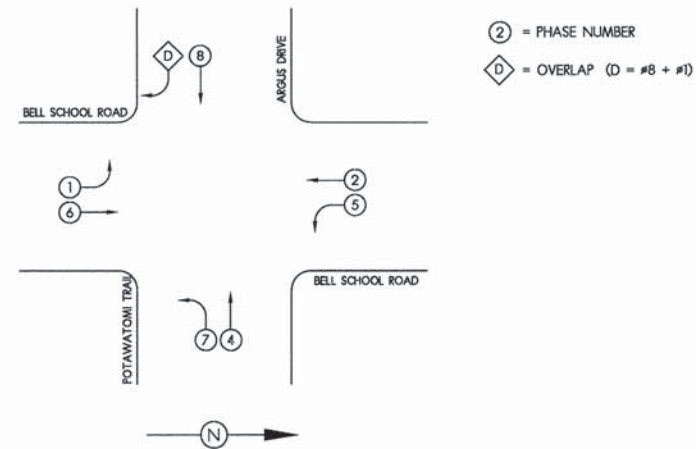


CABLE PLAN



PHASE DESIGNATION DIAGRAM

THE VEHICULAR PHASES TO BE USED ARE DESIGNATED BELOW:



CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
12" PEDESTRIAN SIGNAL SECTION	[Symbol]	[Symbol]
12" TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
DENOTES NUMBER OF CONDUCTORS. ALL LOOP DETECTOR CABLE SHALL BE NO. 18 TWISTED, SHIELDED. ALL OTHER CABLE SHALL BE NO. 14 AWG UNLESS NOTED. P = NUMBER OF PAIRS	[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE "P" INDICATES OPTICALLY PROGRAMMED "L" INDICATES DIRECTIONAL LOUVRE, TYPE B	[Symbol]	[Symbol]
SIGNAL FACE WITHOUT BACKPLATE	[Symbol]	[Symbol]
LUMINAIRE	[Symbol]	[Symbol]
PEDESTRIAN PUSH BUTTON DETECTOR	[Symbol]	[Symbol]
OPTICAL DETECTOR	[Symbol]	[Symbol]
CONFIRMATION BEACON	[Symbol]	[Symbol]
VIDEO DETECTOR CAMERA	[Symbol]	[Symbol]

SUMMARY OF QUANTITIES

Pay Item #	SP	Description	Unit	Quantity
80500100		Service Installation, Type A	EACH	1
81028730		Underground Conduit, Coilable Non-Metallic Conduit, 1 1/4" Dia.	FOOT	5
81028750		Underground Conduit, Coilable Non-Metallic Conduit, 2" Dia.	FOOT	226
81028770		Underground Conduit, Coilable Non-Metallic Conduit, 3" Dia.	FOOT	101
81028790		Underground Conduit, Coilable Non-Metallic Conduit, 4" Dia.	FOOT	75
81028800		Underground Conduit, Coilable Non-Metallic Conduit, 5" Dia.	FOOT	122
81400100		Handhole	EACH	3
81400300		Double Handhole	EACH	1
81702417		Electric Cable In Conduit, 600V (XLP-Type Use), 3-1/C No. 6, 1C No. 6 Ground	FOOT	871
85100500		Paint New Traffic Signal Post	EACH	2
85100800		Paint New Combination Mast Arm and Pole, Under 40 ft	EACH	1
85100901		Paint New Combination Mast Arm and Pole, Over 40 ft	EACH	3
85700200		Full-Actuated Controller and Type IV Cabinet	EACH	1
87301215		Electric Cable in Conduit, Signal No. 14 2C	FOOT	444
87301225		Electric Cable in Conduit, Signal No. 14 3C	FOOT	569
87301245		Electric Cable in Conduit, Signal No. 14 5C	FOOT	1070
87301255		Electric Cable in Conduit, Signal No. 14 7C	FOOT	1999
87301805		Electric Cable in Conduit, Service No. 6 2C	FOOT	169
87502500		Traffic Signal Post, Galvanized Steel 16 ft.	EACH	2
87702690		Steel Mast Arm Assembly and Pole with Dual Mast Arms, 44 ft and 42 ft.	EACH	1
87702900		Steel Combination Mast Arm Assembly and Pole 34 ft.	EACH	1
87702930		Steel Combination Mast Arm Assembly and Pole 40 ft.	EACH	1
87800100		Concrete Foundation, Type A	FOOT	6
87800200		Concrete Foundation, Type D	FOOT	3.5
87800415		Concrete Foundation, Type E 36-inch Diameter	FOOT	37
88030020		Signal Head, LED, 1-Face, 3-Section, Mast Arm Mounted	EACH	6
88030100		Signal Head, LED, 1-Face, 5-Section, Bracket Mounted	EACH	6
88030110		Signal Head, LED, 1-Face, 5-Section, Mast Arm Mounted	EACH	4
88102825		Pedestrian Signal Head, Polycarbonate, LED, 1-Face, Bracket Mounted with Count Down Timer	EACH	6
88200100		Traffic Signal Backplate	EACH	10
88800100		Pedestrian Push Button	EACH	6
89502375		Remove Existing Traffic Signal Equipment	EACH	1
X8870300		Emergency Vehicle Priority System	EACH	1
XX002182		Street Name Sign Mast Arm Mount	EACH	4
Z0033072		Video Vehicle Detection System	EACH	1

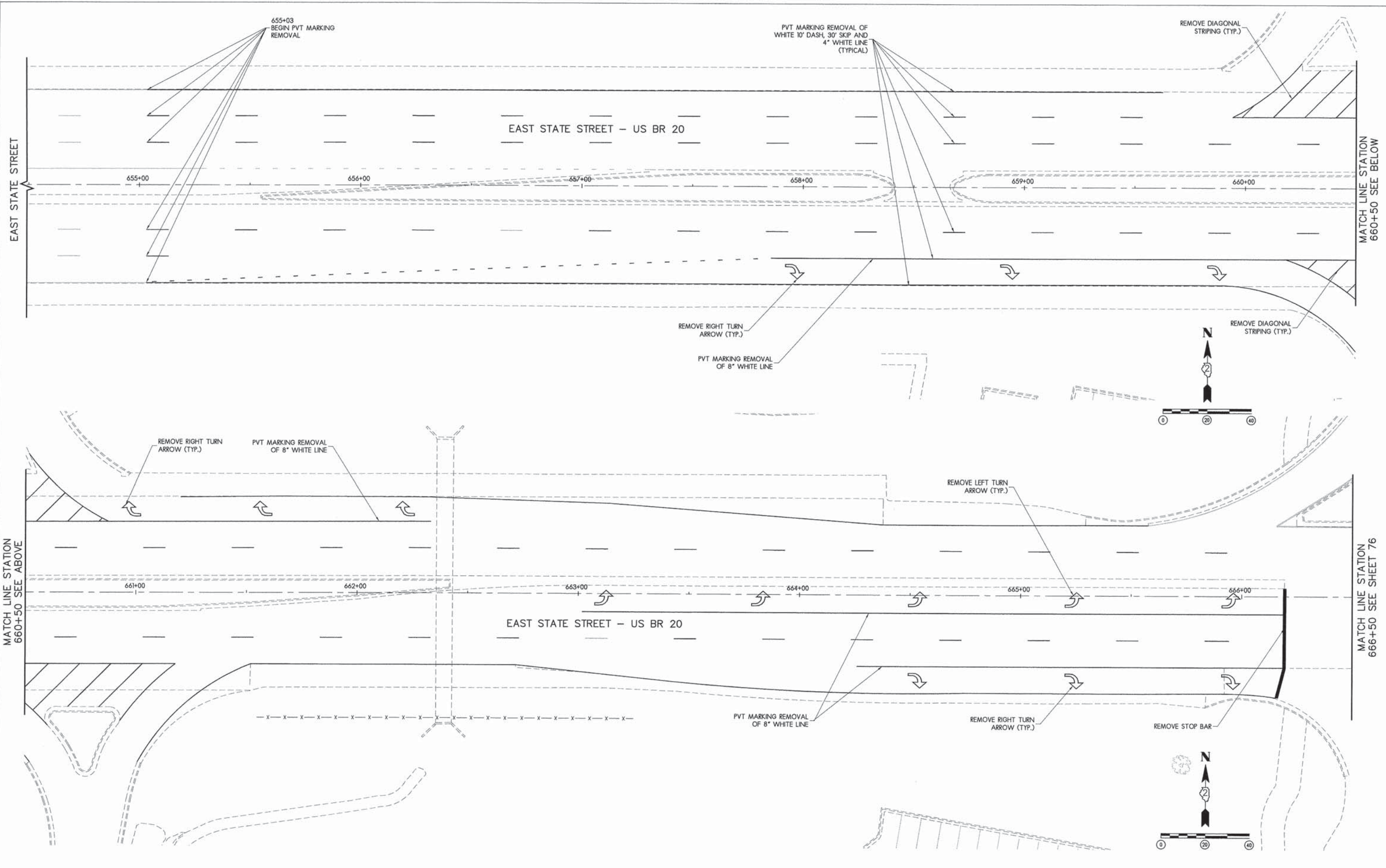
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CABLE PLAN - BELL SCHOOL & ARGUS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	74
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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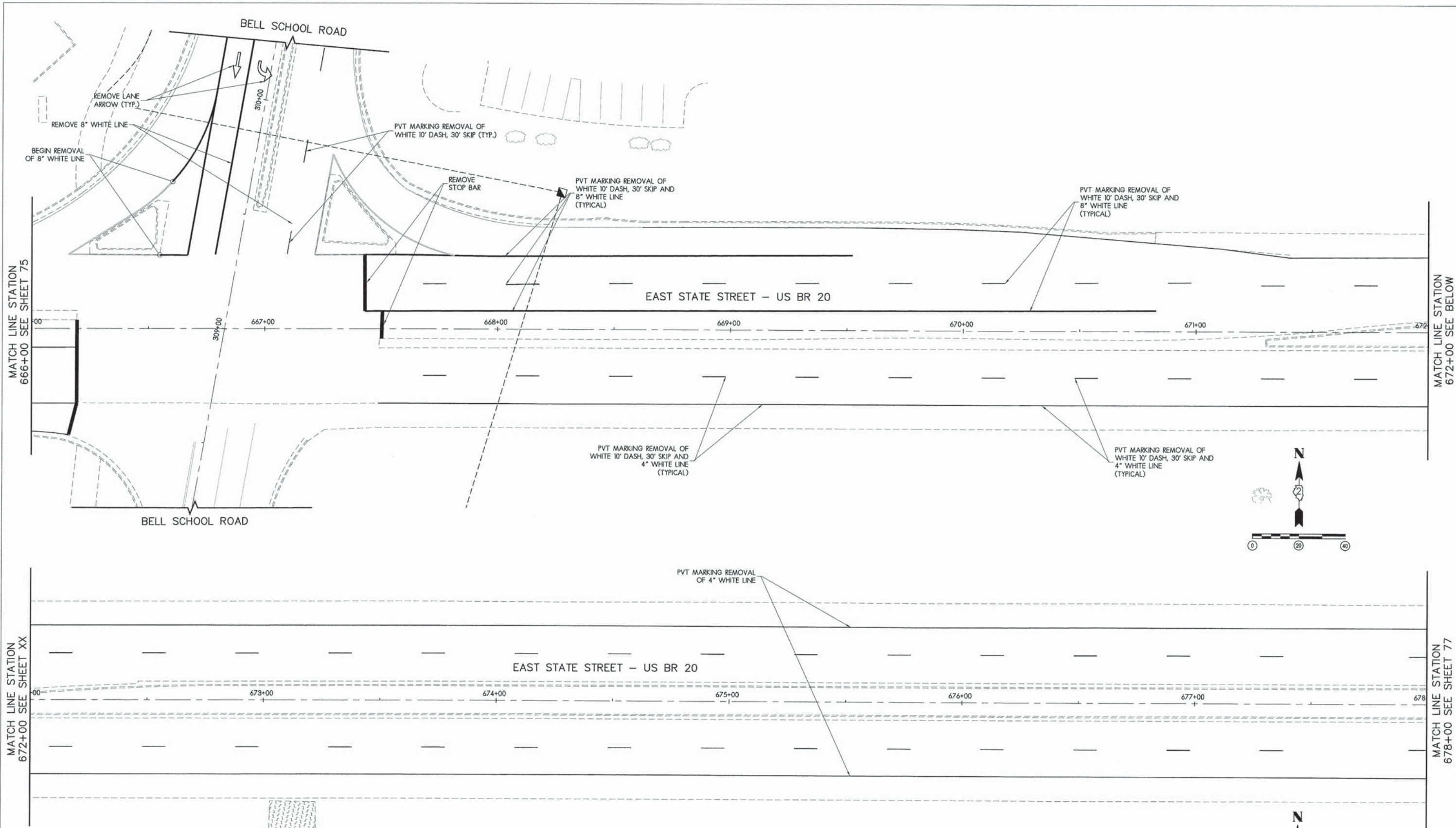
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STRIPING REMOVAL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	75
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



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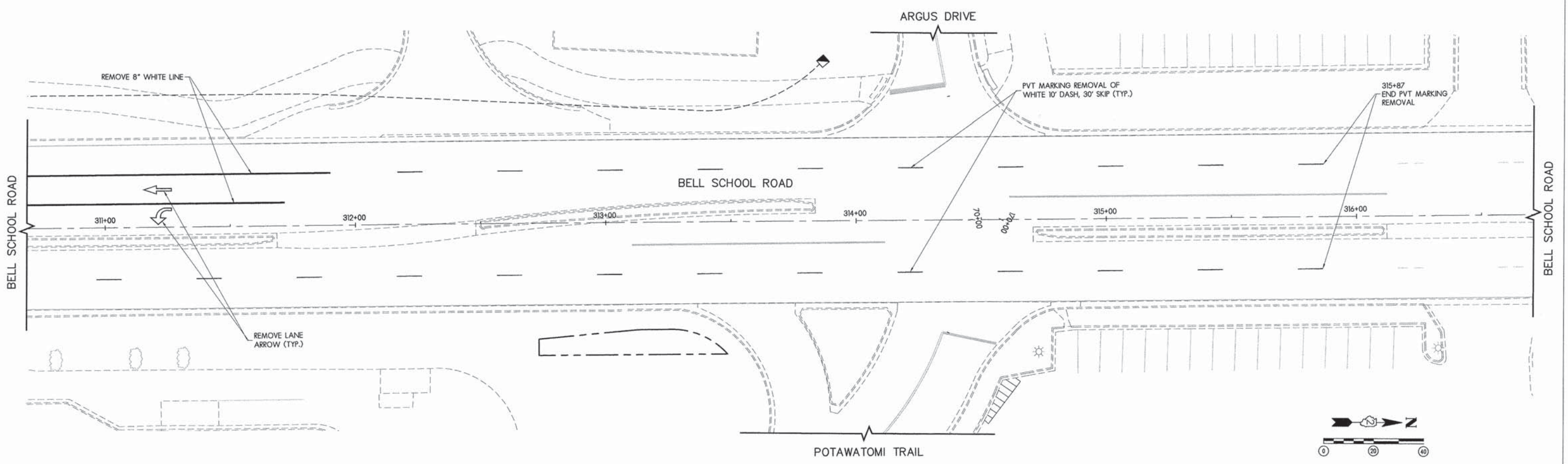
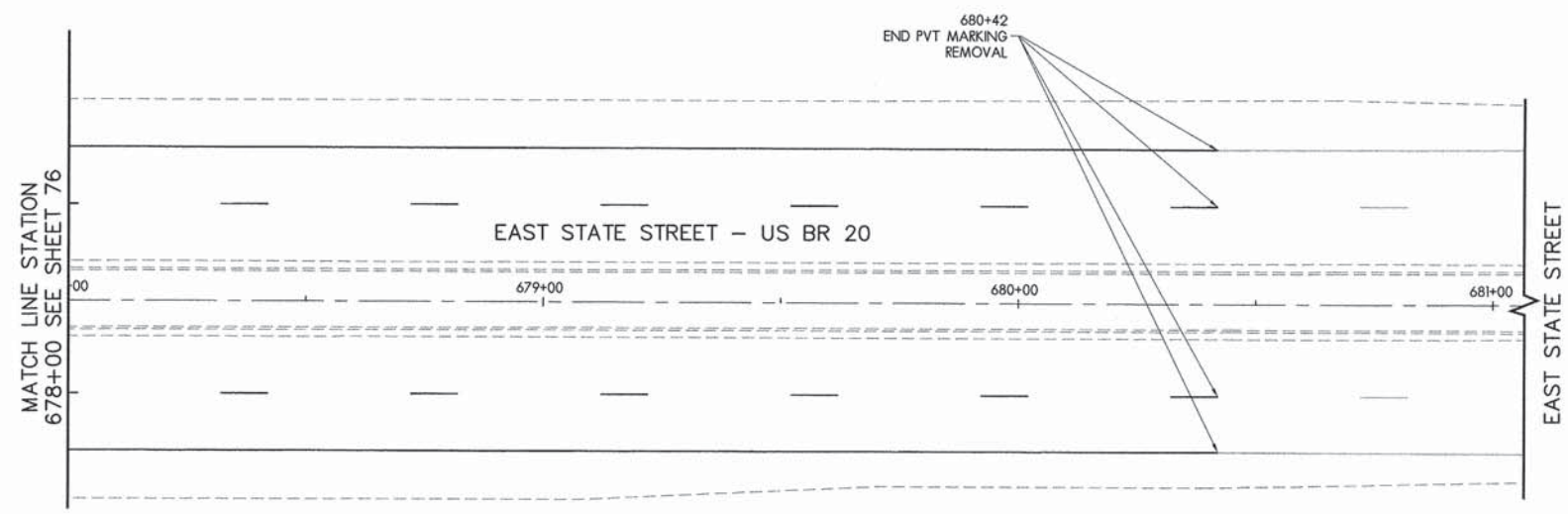
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STRIPING REMOVAL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	76
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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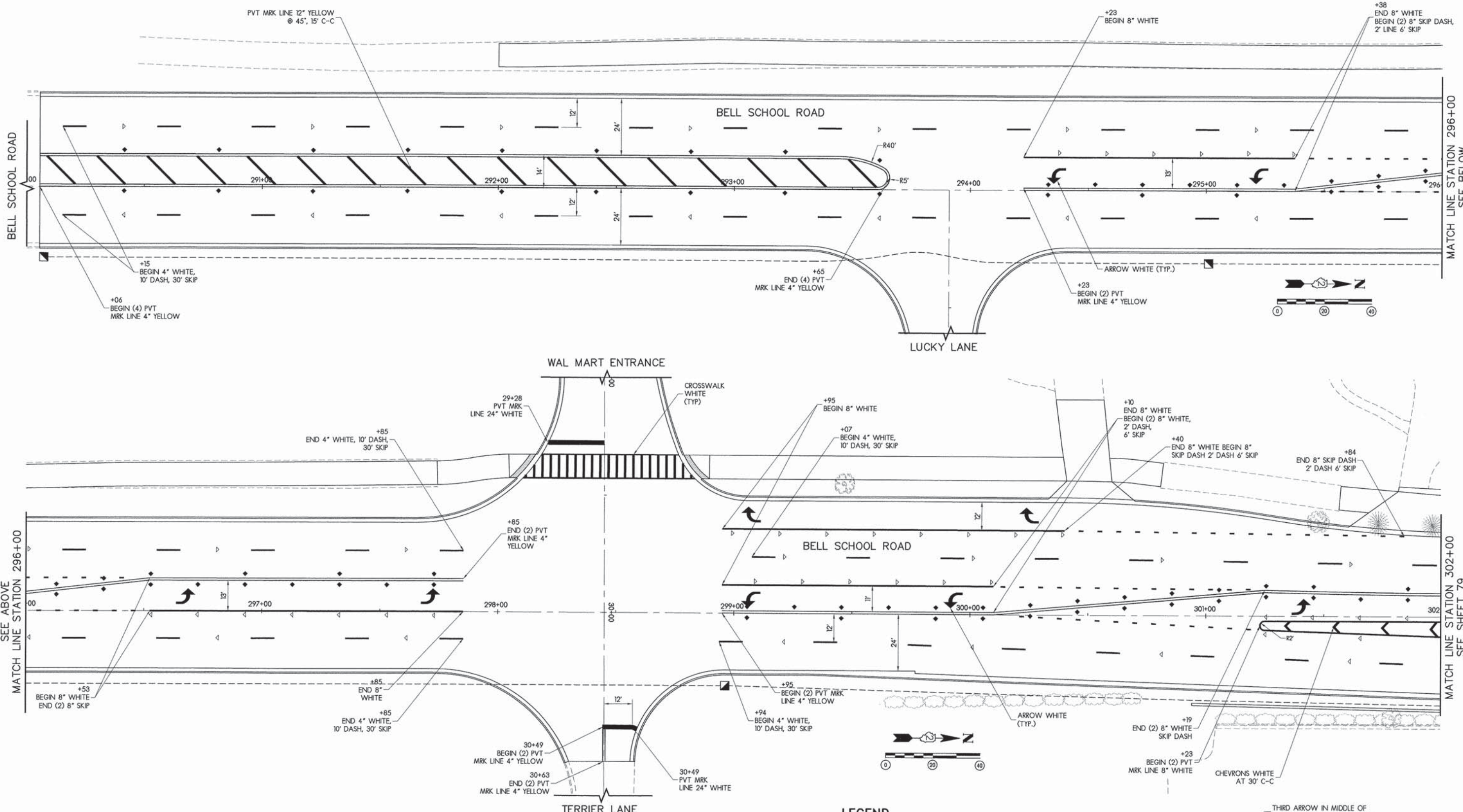
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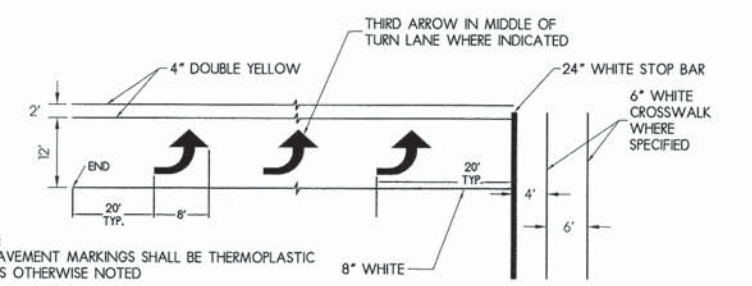
STRIPING REMOVAL PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	77
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LEGEND

- ARROW 15.6 SQ. FT. PER IDOT STDS
- RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS
 - ◆ TWO-WAY AMBER MARKER
 - ◁ ONE-WAY CRYSTAL MARKER
 - ◀ ONE-WAY AMBER MARKER



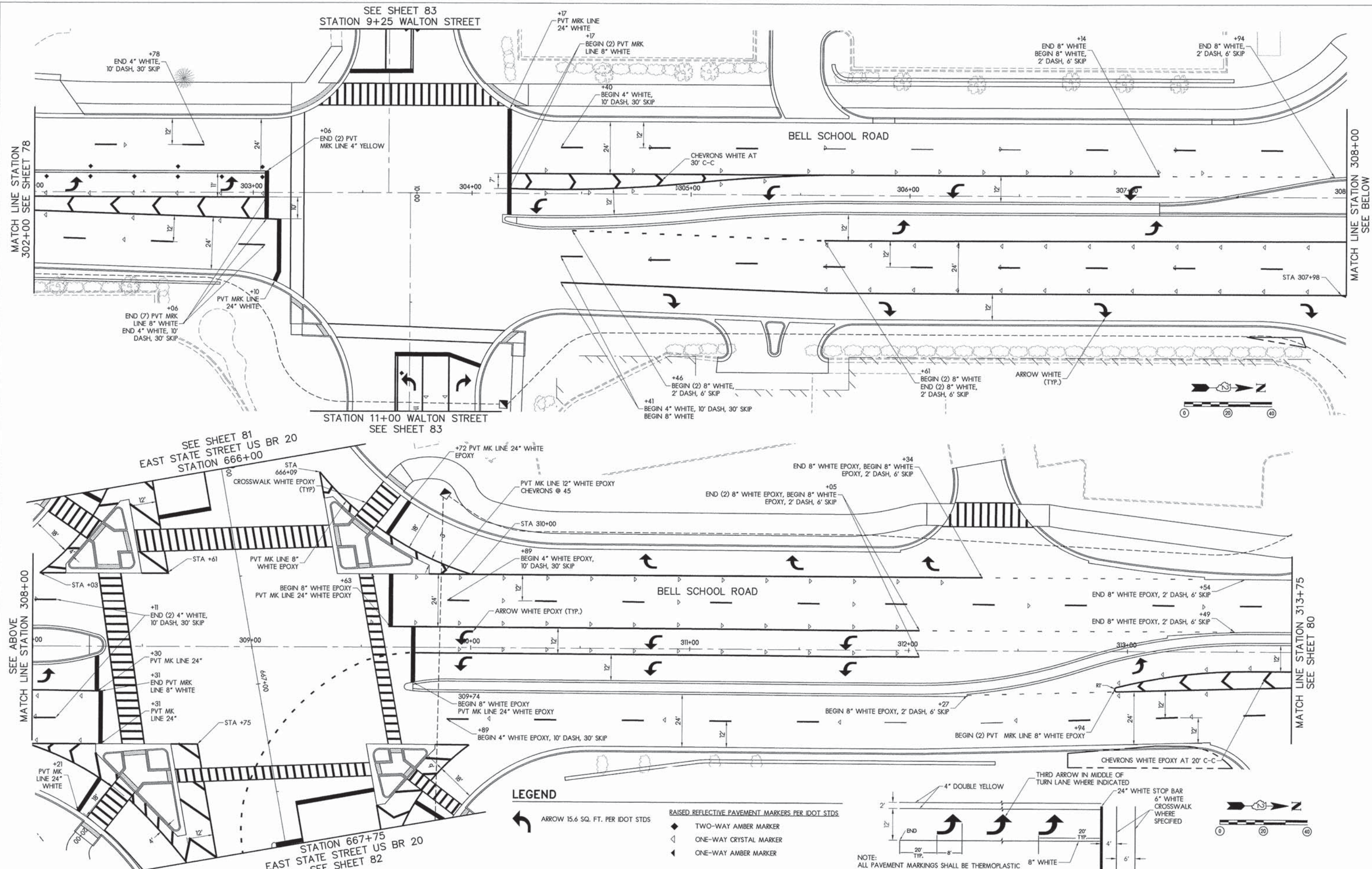
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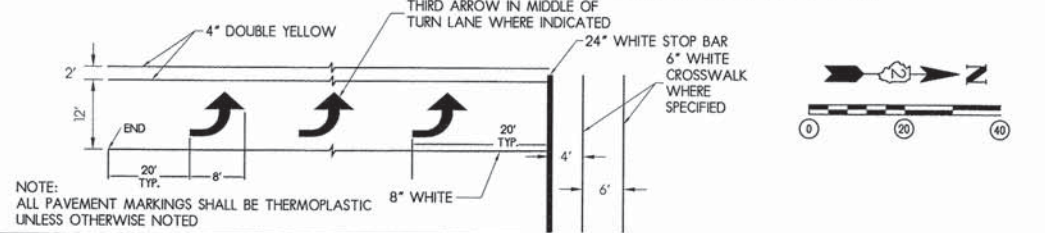
STRIPING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	78
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LEGEND

- ← ARROW 15.6 SQ. FT. PER IDOT STDS
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS
- ◀ TWO-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◄ ONE-WAY AMBER MARKER



NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED

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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

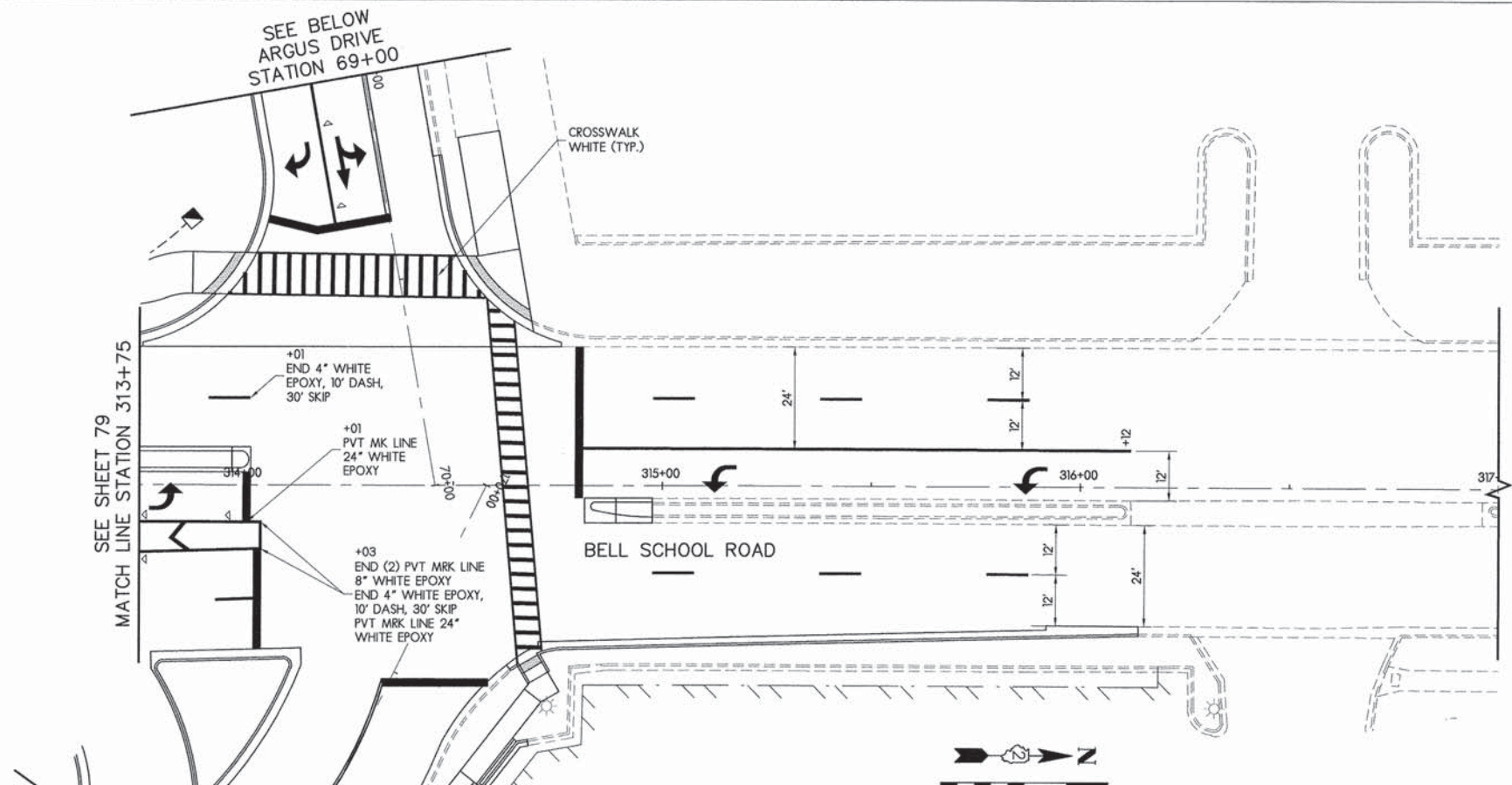
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STRIPING PLAN

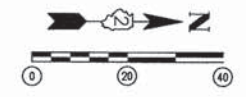
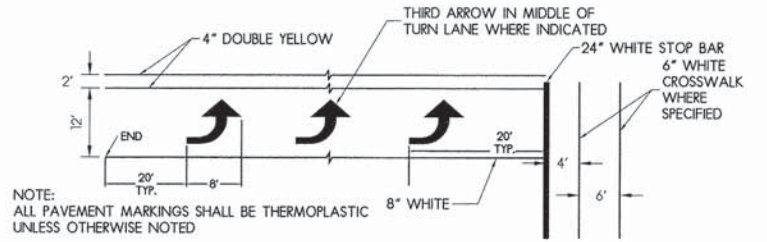
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5149	04-00345-00-CH	WINNEBAGO	129	79
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SEE BELOW
ARGUS DRIVE
STATION 69+00

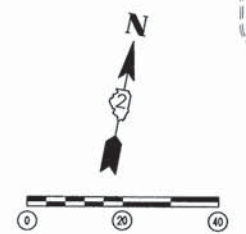
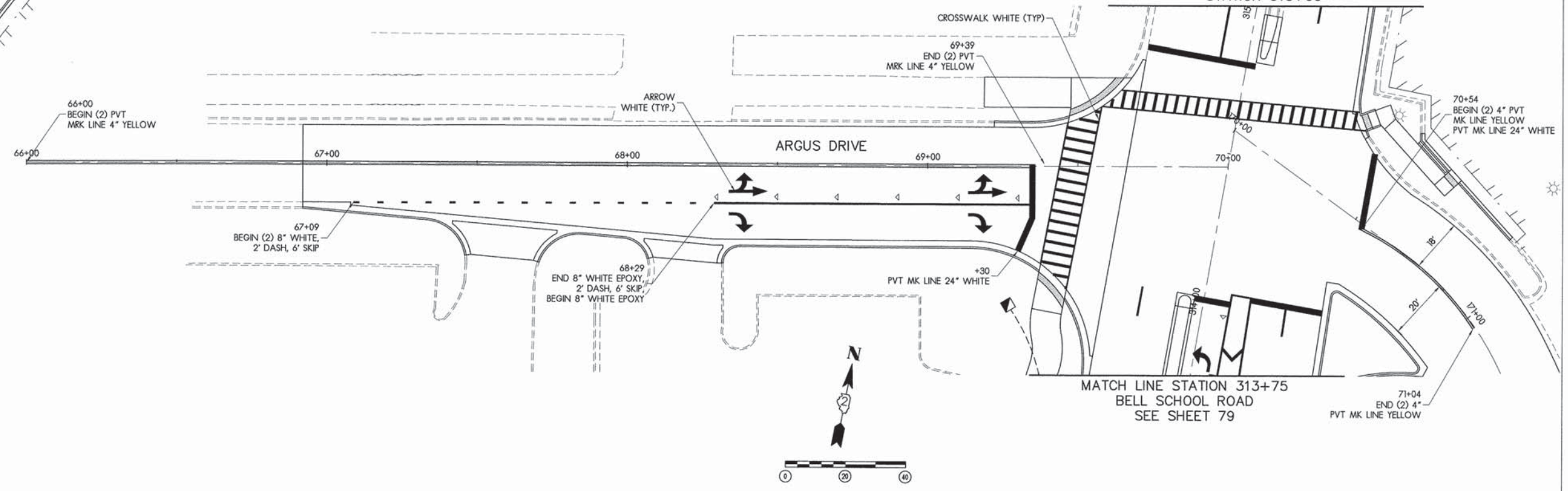


LEGEND

- ← ARROW 15.6 SQ. FT. PER IDOT STDS
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS
 - ◆ TWO-WAY AMBER MARKER
 - ◁ ONE-WAY CRYSTAL MARKER
 - ◁ ONE-WAY AMBER MARKER



SEE ABOVE
BELL SCHOOL ROAD
STATION 315+00



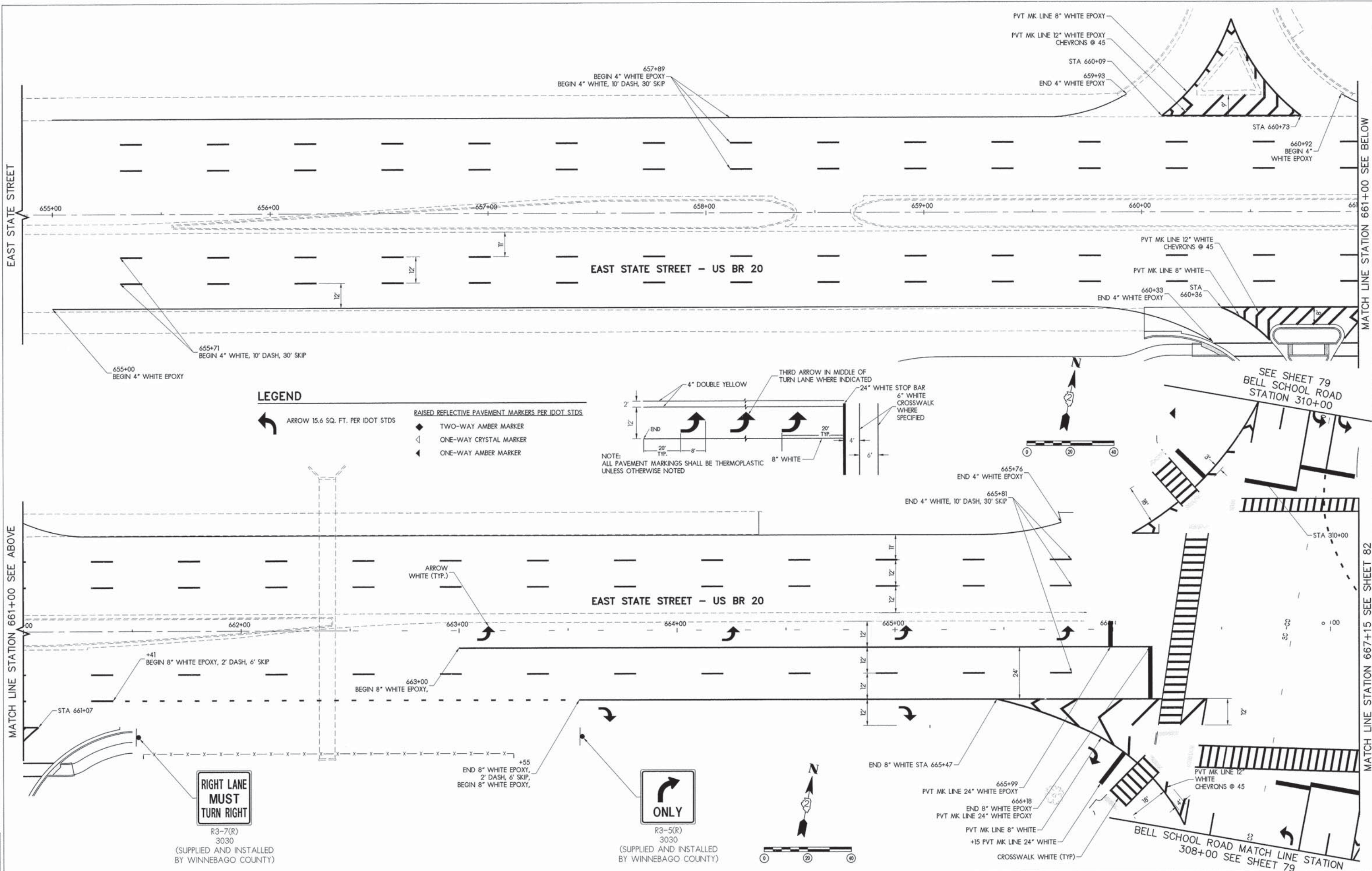
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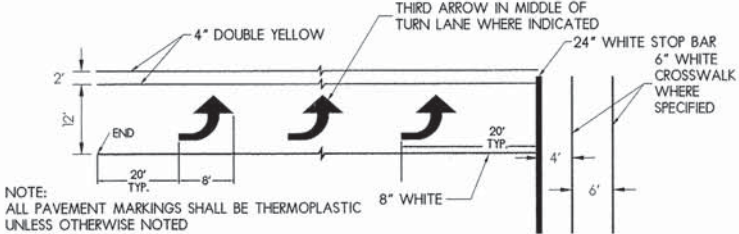
STRIPING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	80
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LEGEND

- ← ARROW 15.6 SQ. FT. PER IDOT STDS
- ◆ RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS
- ◁ TWO-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◁ ONE-WAY AMBER MARKER



**RIGHT LANE
MUST
TURN RIGHT**

R3-7(R)
3030
(SUPPLIED AND INSTALLED
BY WINNEBAGO COUNTY)

**RIGHT TURN
ONLY**

R3-5(R)
3030
(SUPPLIED AND INSTALLED
BY WINNEBAGO COUNTY)



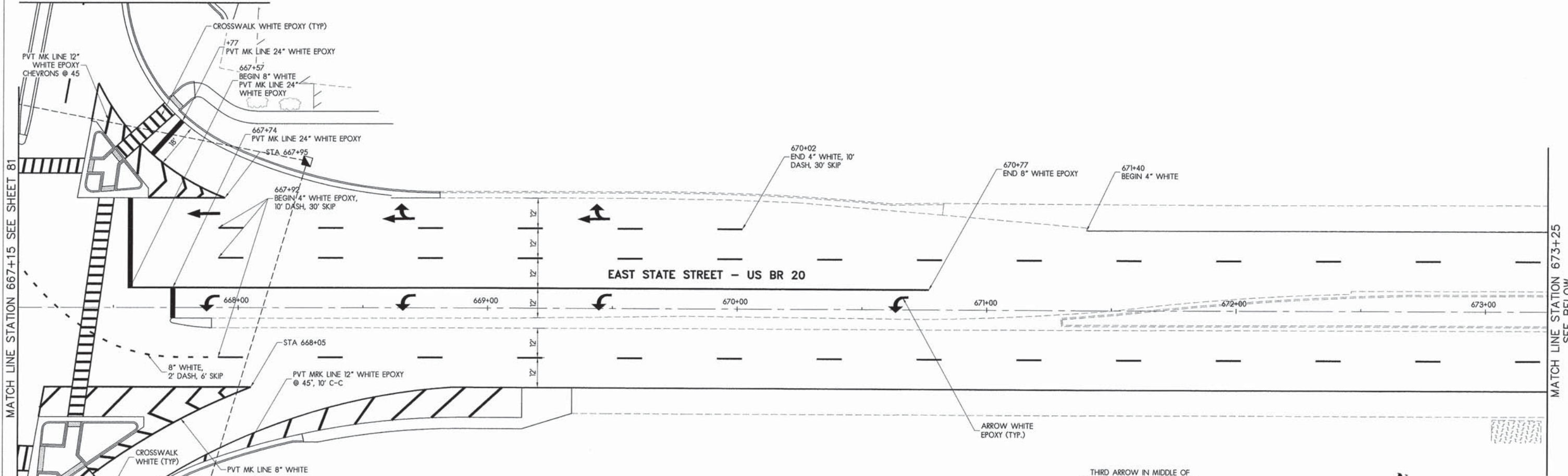
STRIPING PLAN

LAYOUT	12/20/10
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REVIEWED	DPA
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5149	04-00345-00-CH	WINNEBAGO	129	81
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

SEE SHEET 79
STATION 310+00 BELL SCHOOL ROAD



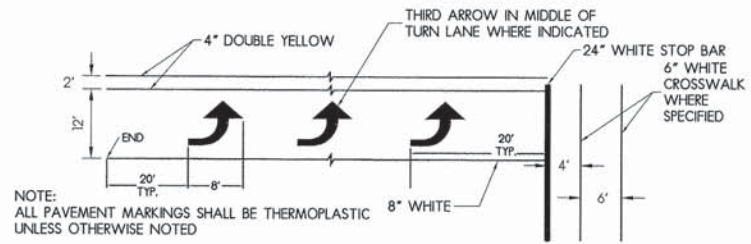
MATCH LINE STATION 667+15 SEE SHEET 81

MATCH LINE STATION 673+25
SEE BELOW

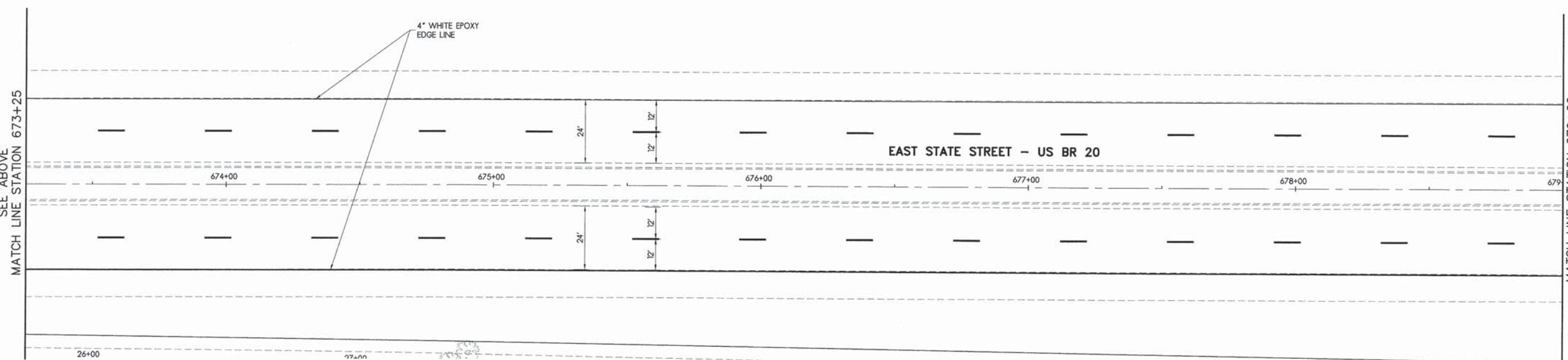
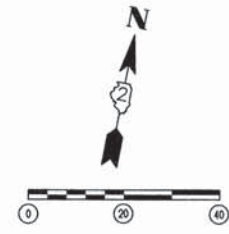
MATCH LINE STATION 308+00
BELL SCHOOL ROAD
SEE SHEET 79

LEGEND

- ARROW 15.6 SQ. FT. PER IDOT STDS
- RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS
- TWO-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER



NOTE: ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED



SEE ABOVE
MATCH LINE STATION 673+25

MATCH LINE STATION 679+00
SEE SHEET 83

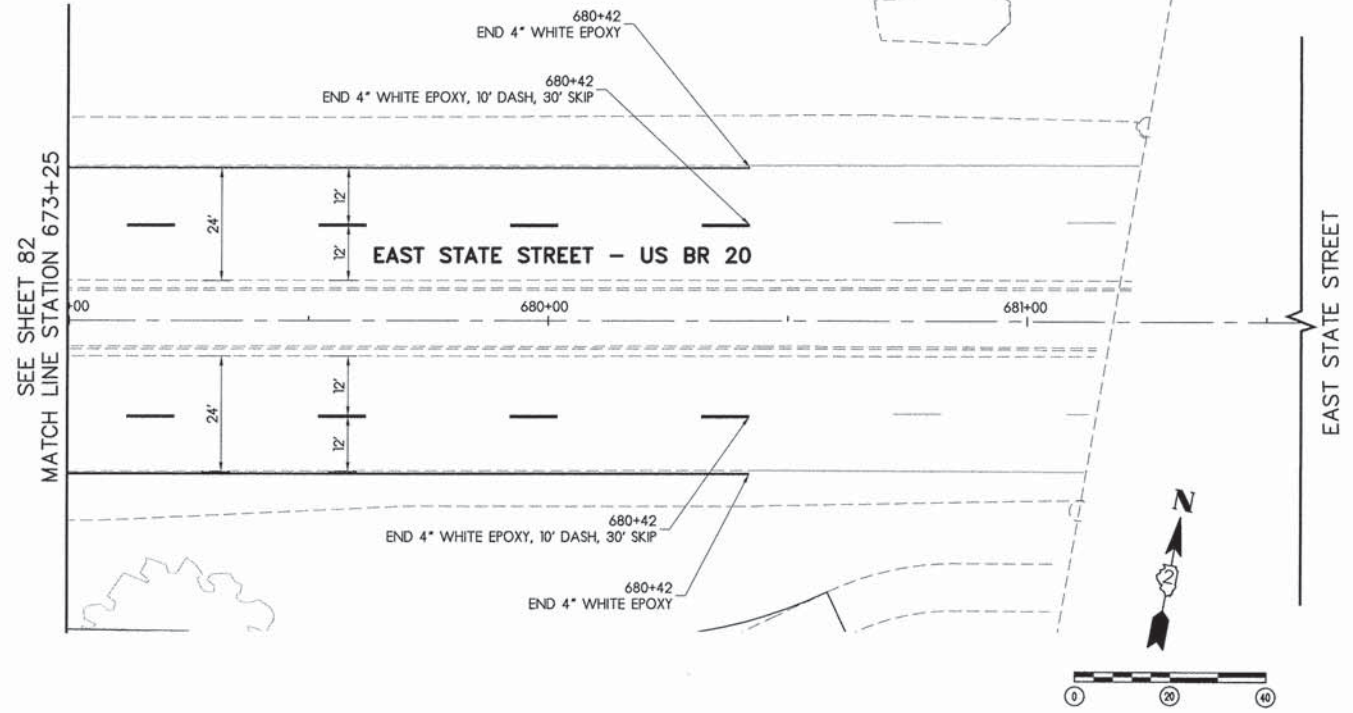
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STRIPING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 85616	
ILLINOIS FED. AID PROJECT				

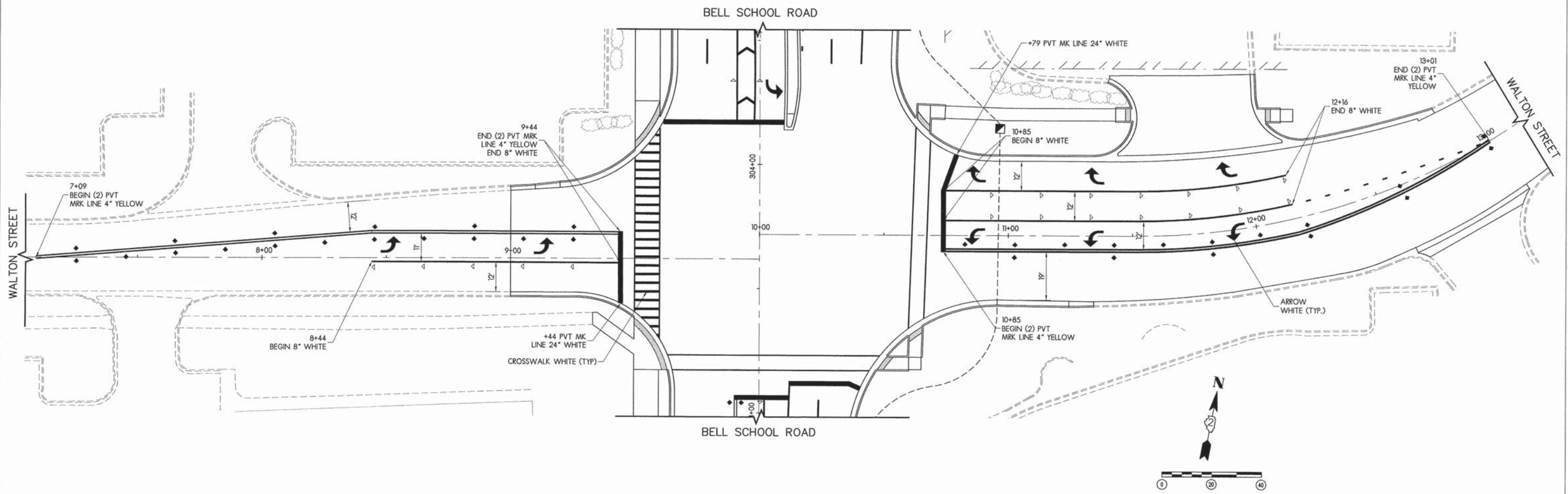
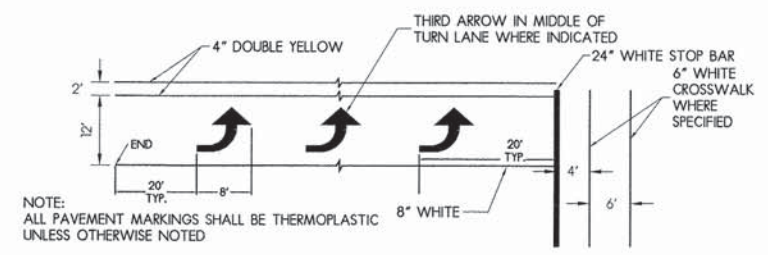


LEGEND

← ARROW 15.6 SQ. FT. PER IDOT STDS

RAISED REFLECTIVE PAVEMENT MARKERS PER IDOT STDS

- ◆ TWO-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◀ ONE-WAY AMBER MARKER



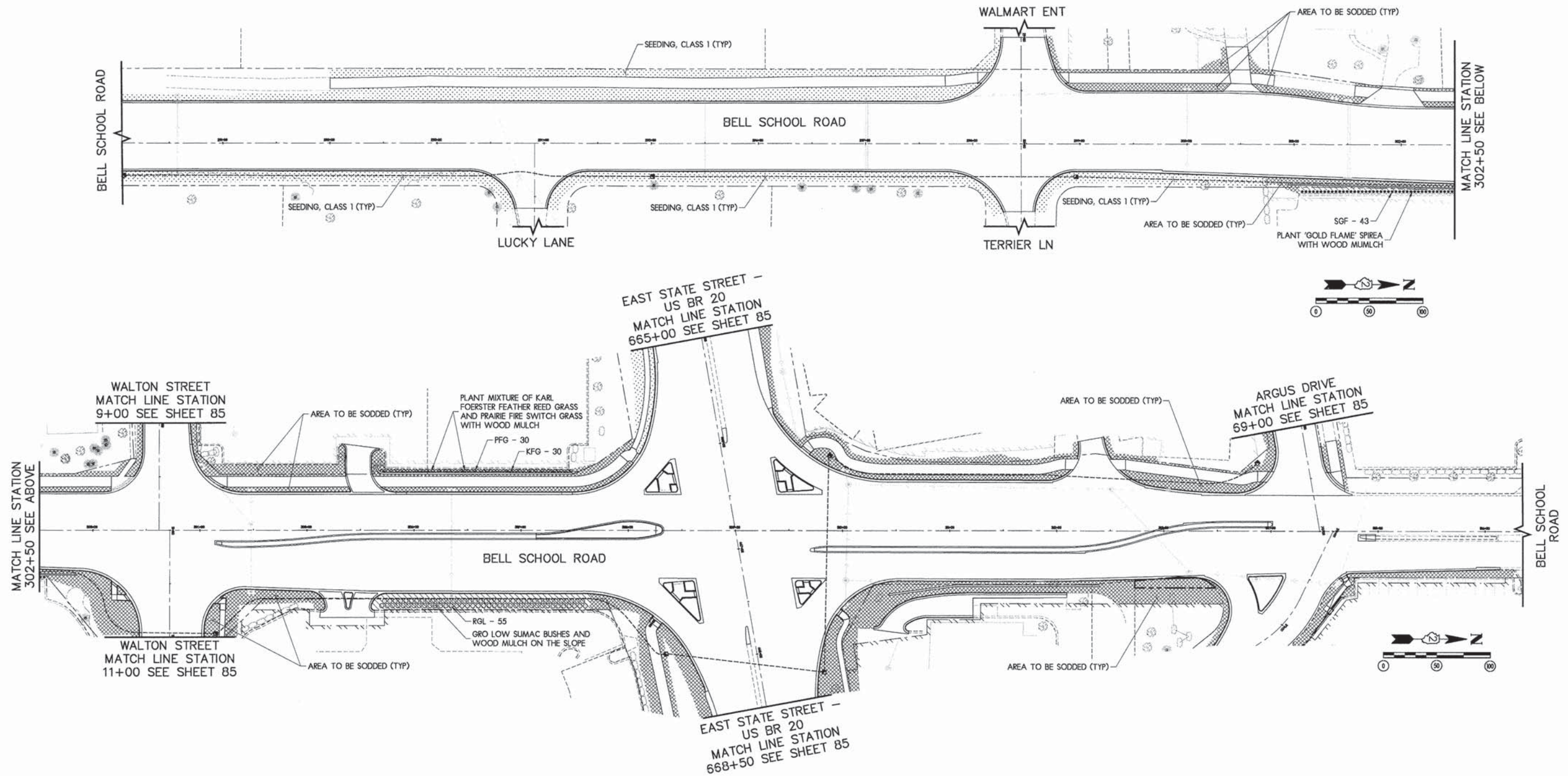
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REVIEWED	DPA	02/12/13

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STRIPING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	83
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LEGEND

-  SEEDING, CLASS 1
-  AREA TO BE SODDED
-  HARDWOOD MULCH BEDDING, 3" THICKNESS DOUBLE PROCESSED

PLANT LIST

BAY CODE	QUAN	BOTANICAL NAME	KEY	COMMON NAME	SIZE/TYPE	SPACING
DECIDUOUS SHRUBS & SHRUB ROSES						
C2C25824	55	Shrub, Rhus Aromatica Gro-Low (Gro-Low Fragrant Sumac), 2' Width, Container	RGL	Grow Low Sumac	2' Width	5' O.C.
C2C29918	43	Shrub, Spirea X Bumalda Goldflame (Gold Flame Bumalda Spirea), 18" Height, Container	SGF	Gold Flame Spirea	18" Height	42" O.C.
PERENNIALS & GROUNDCOVERS						
K0013020	03	Perennial Plants, Prairie Type, Gallon Pot				
	03	Calamagrostis x acutiflora 'Karl Foerster'	KFG	Karl Foerster Featherreedgrass	0.5 Gal.	36" O.C.
	03	Panicum Virgatum 'Prairie Fire'	PFG	Prairie Fire Switch Grass	0.5 Gal.	36" O.C.

NOTE: Plant material locations may vary pending final Engineering.

LAYOUT	12/20/10
DRAWN	MWH
REVIEWED	DPA
	02/12/13
	02/12/13




FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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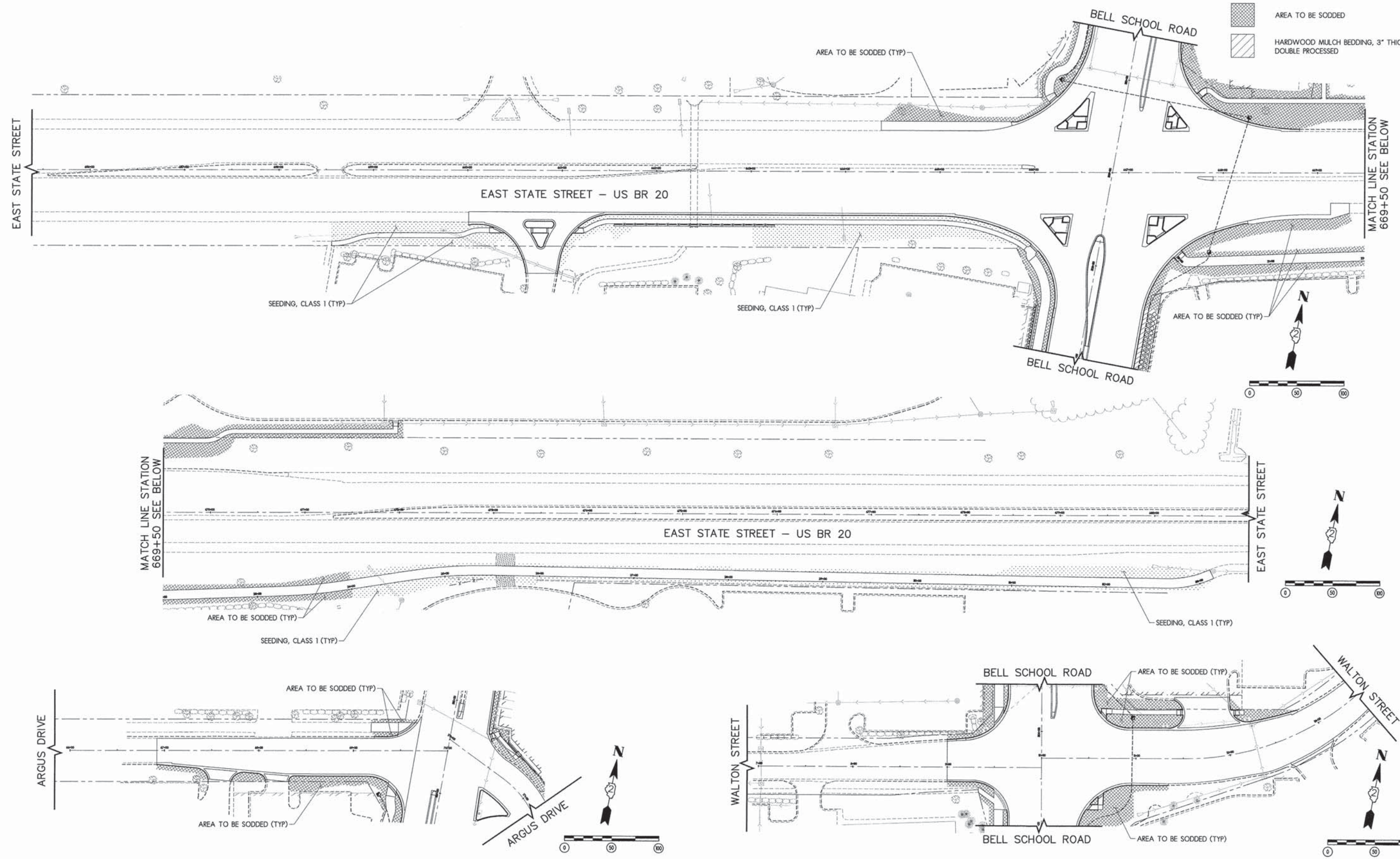


RESTORATION PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	84
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

LEGEND

	SEEDING, CLASS 1
	AREA TO BE SODDED
	HARDWOOD MULCH BEDDING, 3" THICKNESS DOUBLE PROCESSED



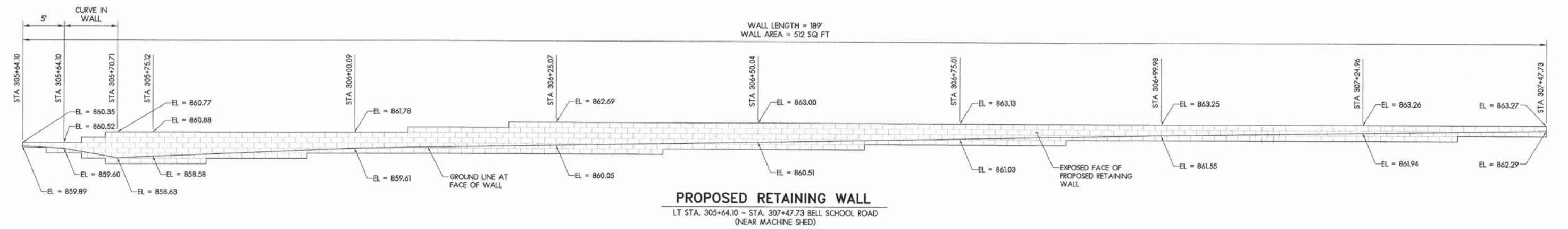
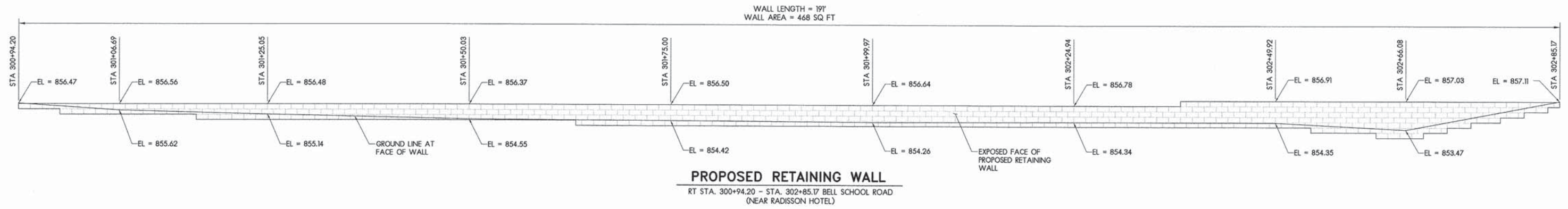
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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RESTORATION PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	85
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



NOTE: PROFILES BELOW ARE A PRELIMINARY DESIGN TO BE USED AS A REFERENCE ONLY. DESIGNER SHOULD USE SPOT ELEVATIONS SHOWN WHEN DESIGNING WALL. REFER TO GBSP65.

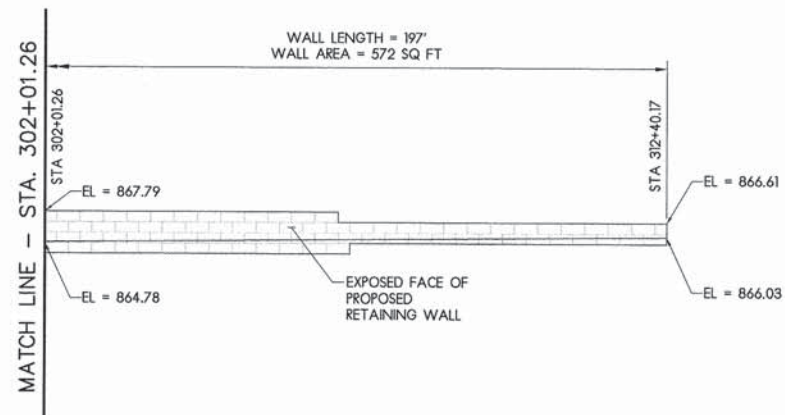
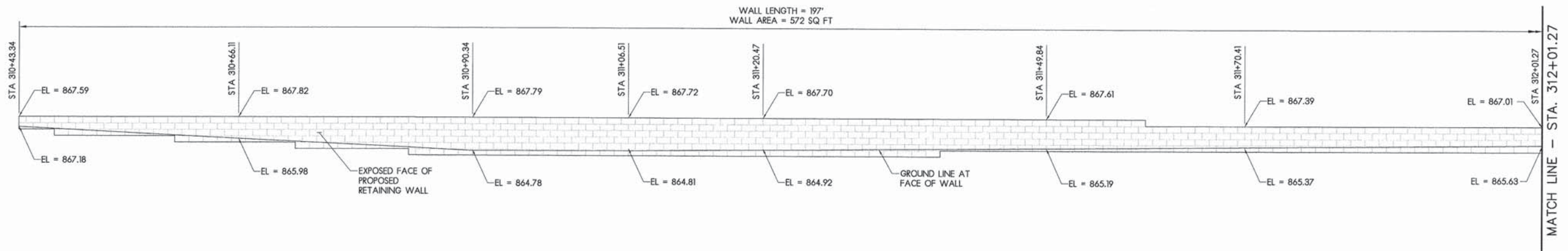
LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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RETAINING WALL DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	86
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



PROPOSED RETAINING WALL

STA. 100+00.00 - STA. 101+96.85
(NEAR BURGER KING)

NOTE: PROFILES BELOW ARE A PRELIMINARY DESIGN TO BE USED AS A REFERENCE ONLY. DESIGNER SHOULD USE SPOT ELEVATIONS SHOWN WHEN DESIGNING WALL. REFER TO GBSP65.

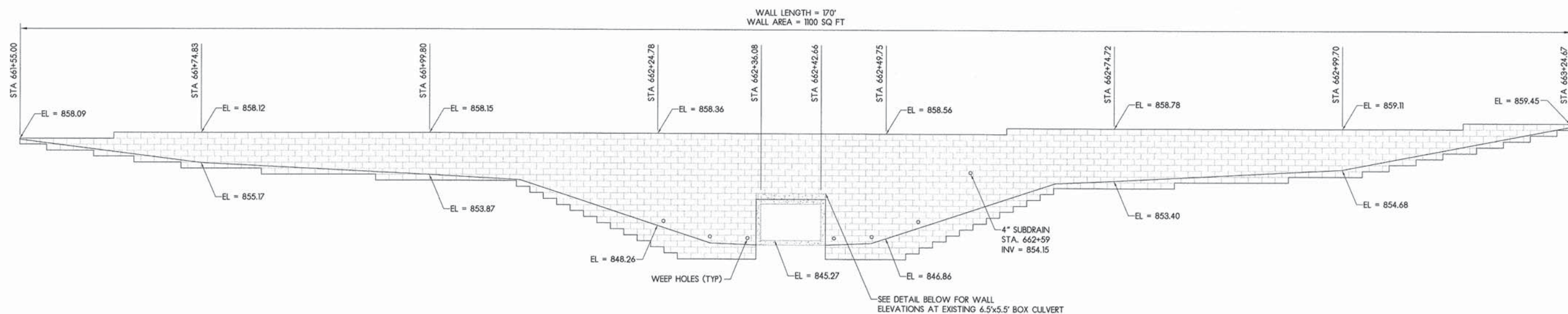
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DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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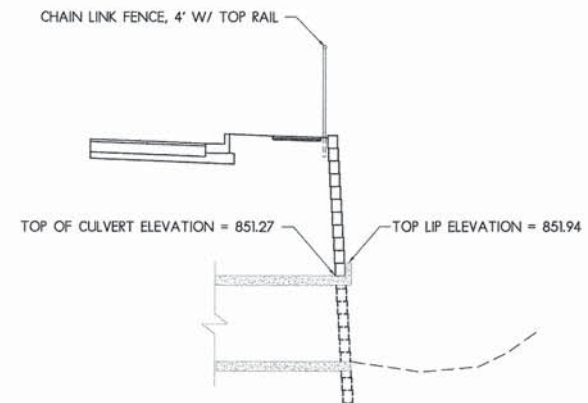


RETAINING WALL DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	87
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



PROPOSED RETAINING WALL
RT STA. 661+55.00 - STA. 663+24.67 EAST STATE STREET



RETAINING WALL AT CULVERT
RT STA. 662+36.08 - STA. 662+42.66 EAST STATE STREET

NOTE: PROFILES BELOW ARE A PRELIMINARY DESIGN TO BE USED AS A REFERENCE ONLY. DESIGNER SHOULD USE SPOT ELEVATIONS SHOWN WHEN DESIGNING WALL. REFER TO GBSP65.

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

FILE NAME =	USER NAME = #USER#	DESIGNED - DPA	REVISED -
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		CHECKED - DPA	REVISED -
		DATE - #DATE#	REVISED -



RETAINING WALL DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	88
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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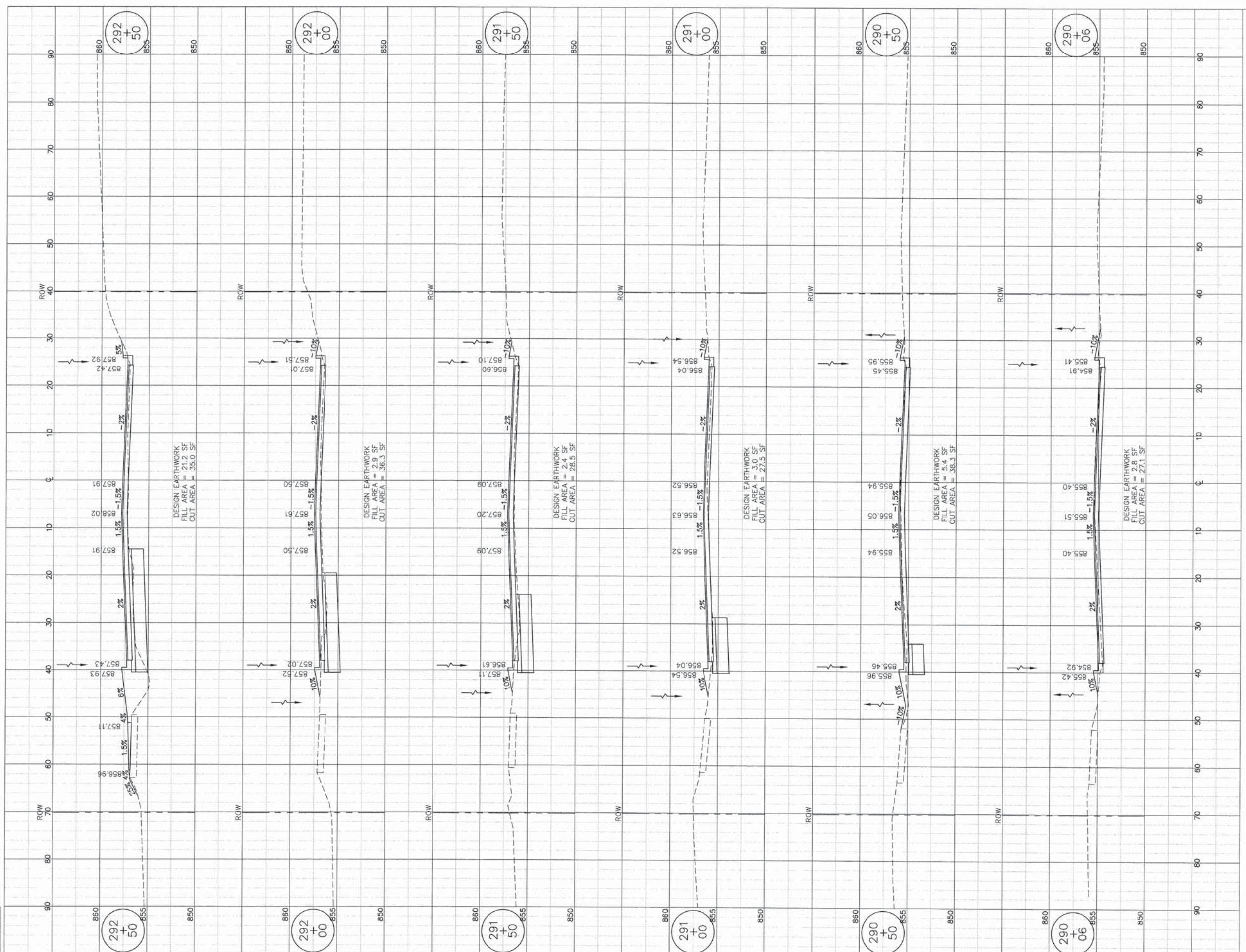
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	89
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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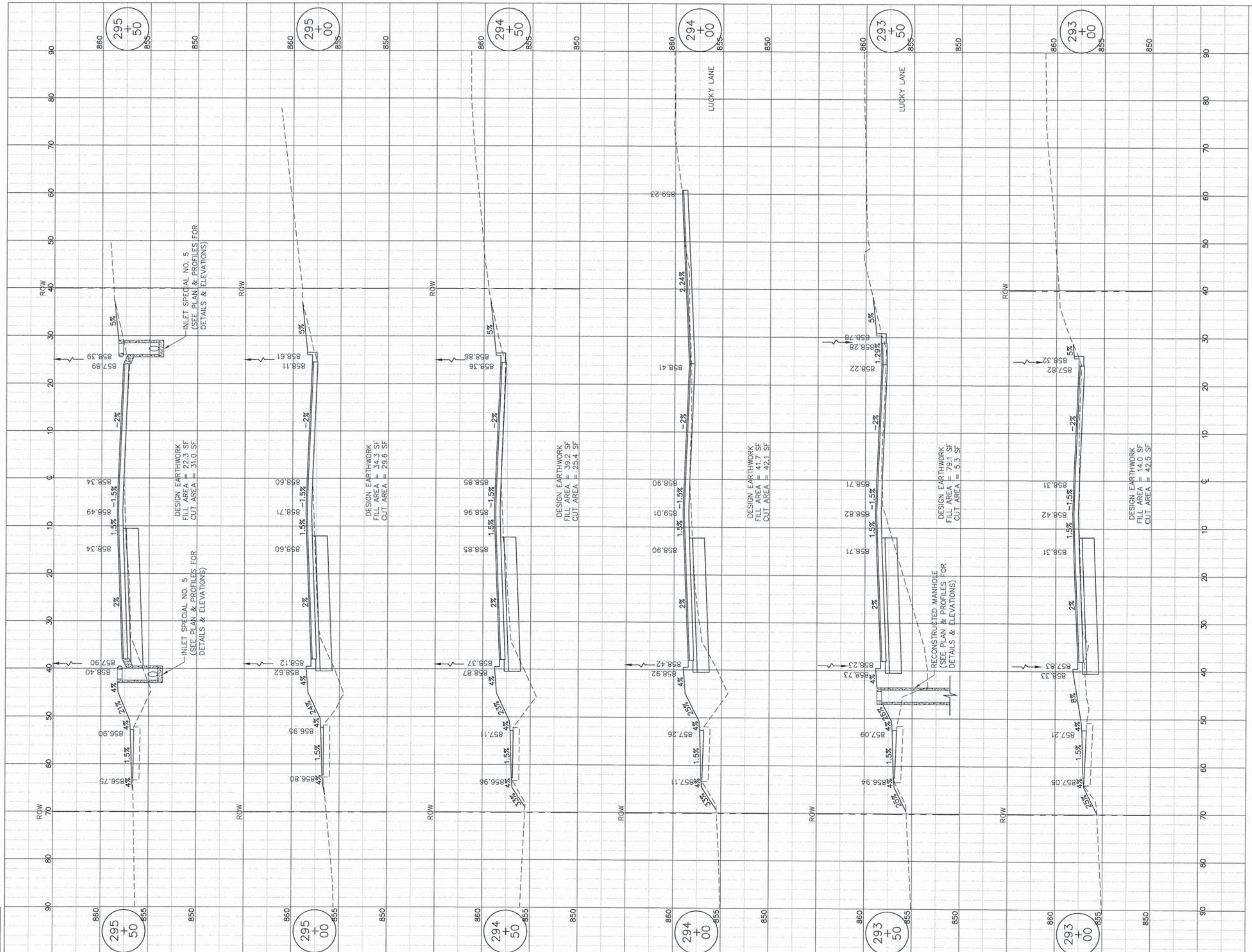
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CHECKED - DPA
DATE - #DATE1#

REVISED -
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	90
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT MWH 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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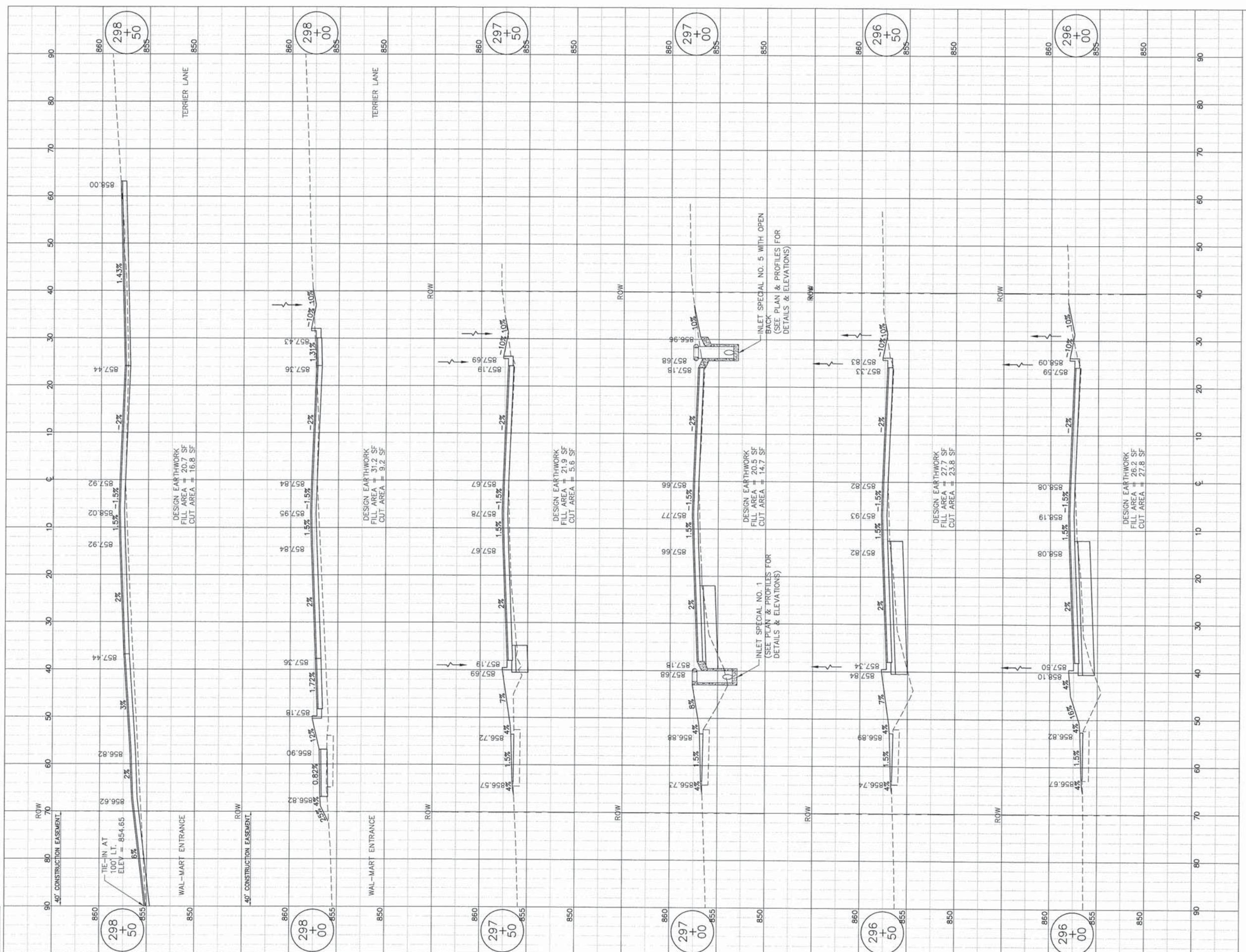
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	91
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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CHECKED - DPA
DATE - #DATE1#

REVISD -
REVISD -
REVISD -
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DESIGN EARTHWORK
FILL AREA = 7.9 SF
CUT AREA = 95.2 SF

DESIGN EARTHWORK
FILL AREA = 4.4 SF
CUT AREA = 77.3 SF

DESIGN EARTHWORK
FILL AREA = 9.3 SF
CUT AREA = 150.5 SF

DESIGN EARTHWORK
FILL AREA = 1.6 SF
CUT AREA = 62.2 SF

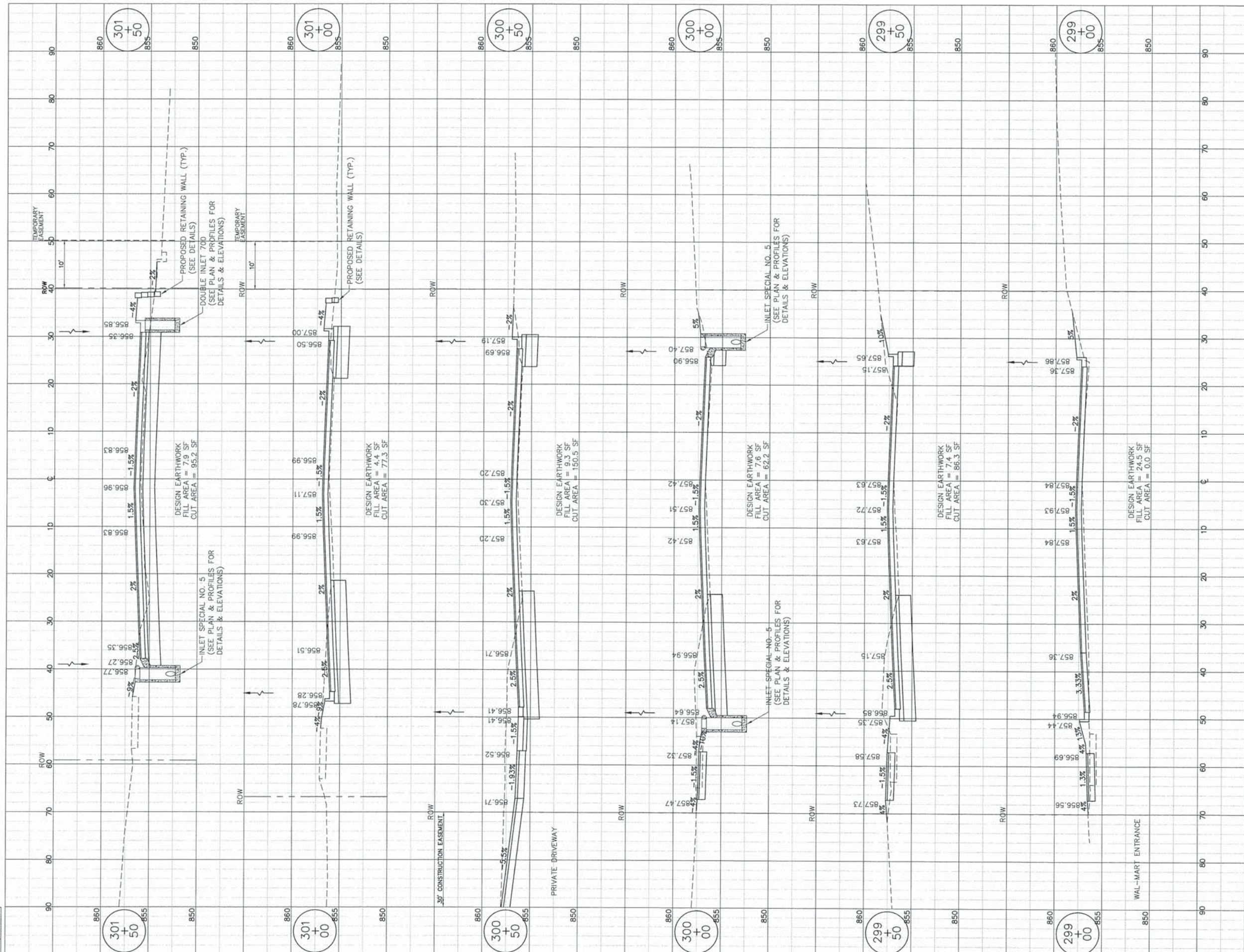
DESIGN EARTHWORK
FILL AREA = 7.4 SF
CUT AREA = 86.3 SF

DESIGN EARTHWORK
FILL AREA = 24.5 SF
CUT AREA = 0.0 SF



CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	92
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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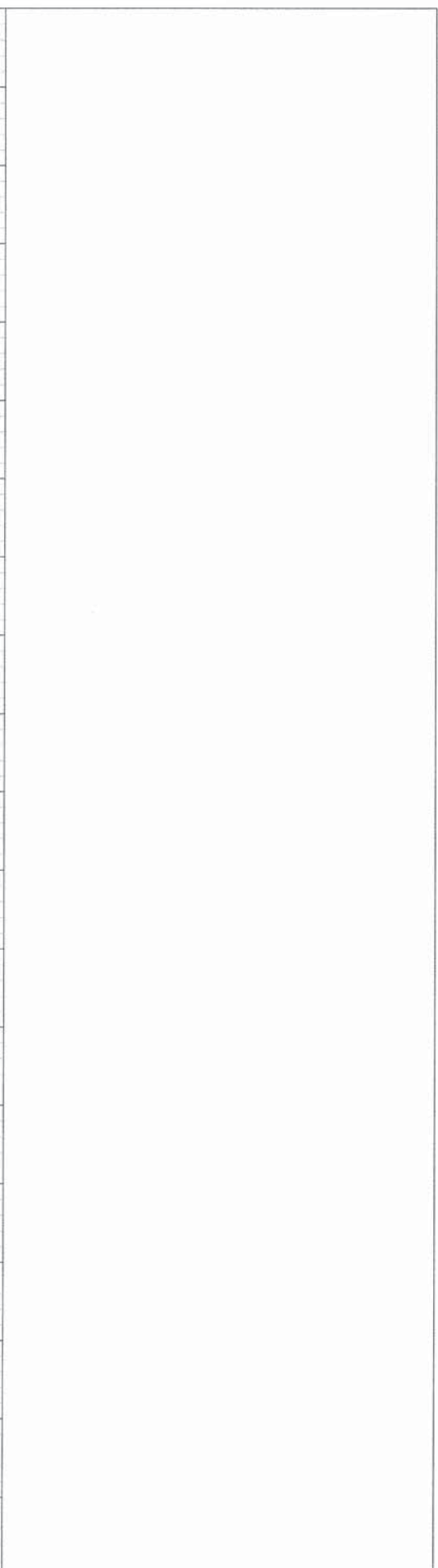
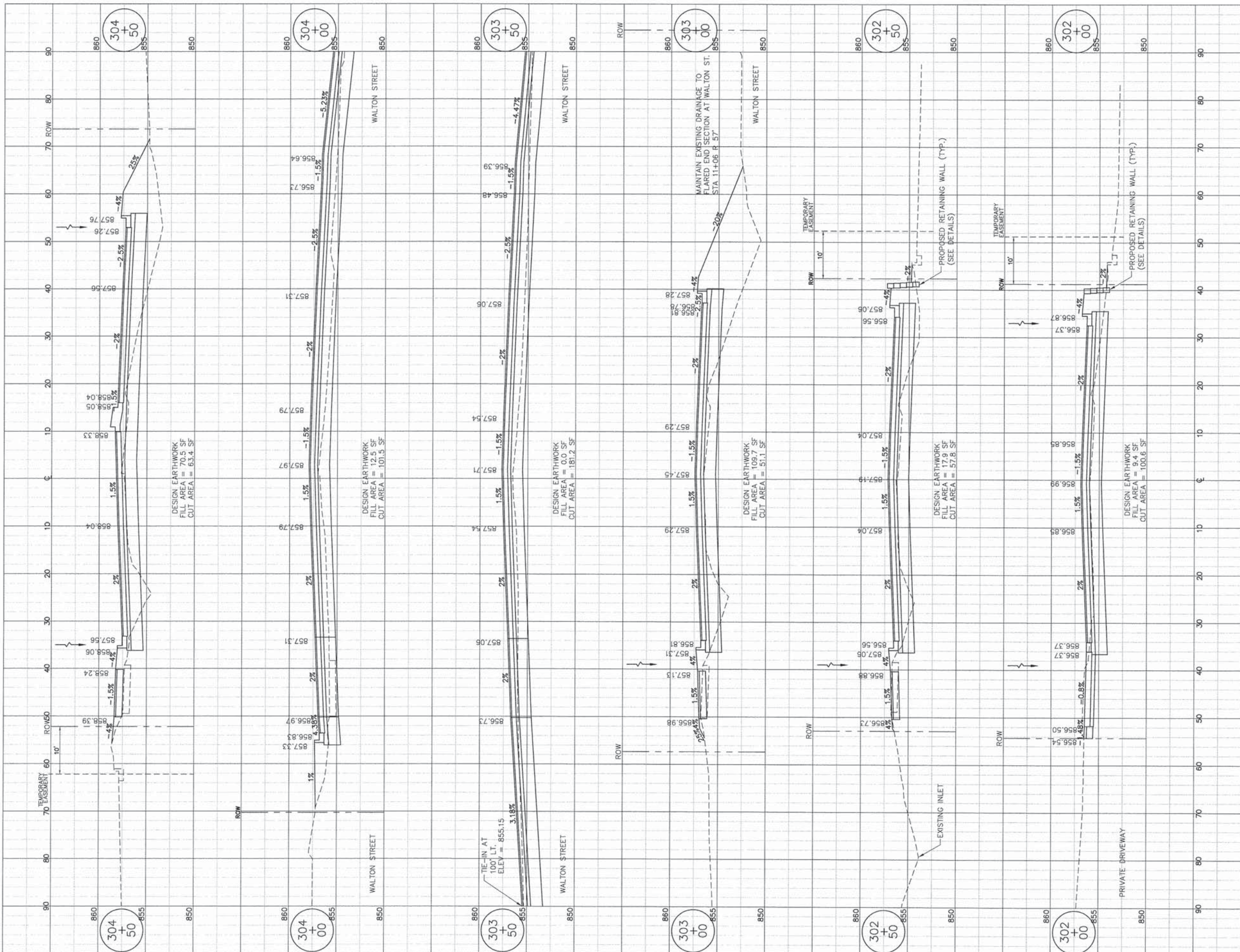
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REVISED -
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	93
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT MWH 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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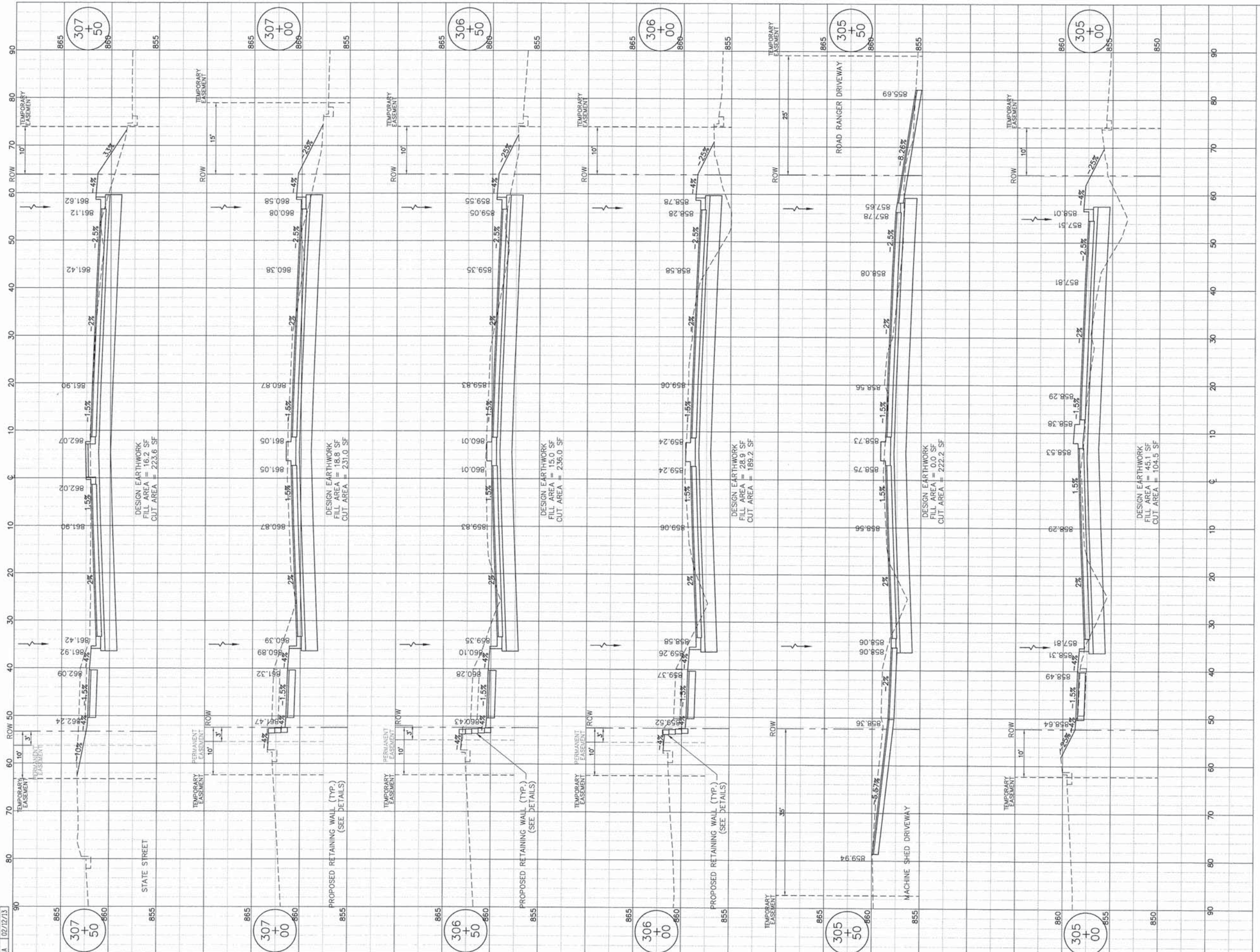
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	94
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



DESIGN EARTHWORK
 FILL AREA = 16.2 SF
 CUT AREA = 223.6 SF

DESIGN EARTHWORK
 FILL AREA = 18.8 SF
 CUT AREA = 231.0 SF

DESIGN EARTHWORK
 FILL AREA = 15.0 SF
 CUT AREA = 236.0 SF

DESIGN EARTHWORK
 FILL AREA = 28.9 SF
 CUT AREA = 189.2 SF

DESIGN EARTHWORK
 FILL AREA = 11.0 SF
 CUT AREA = 222.2 SF

DESIGN EARTHWORK
 FILL AREA = 45.1 SF
 CUT AREA = 104.5 SF

LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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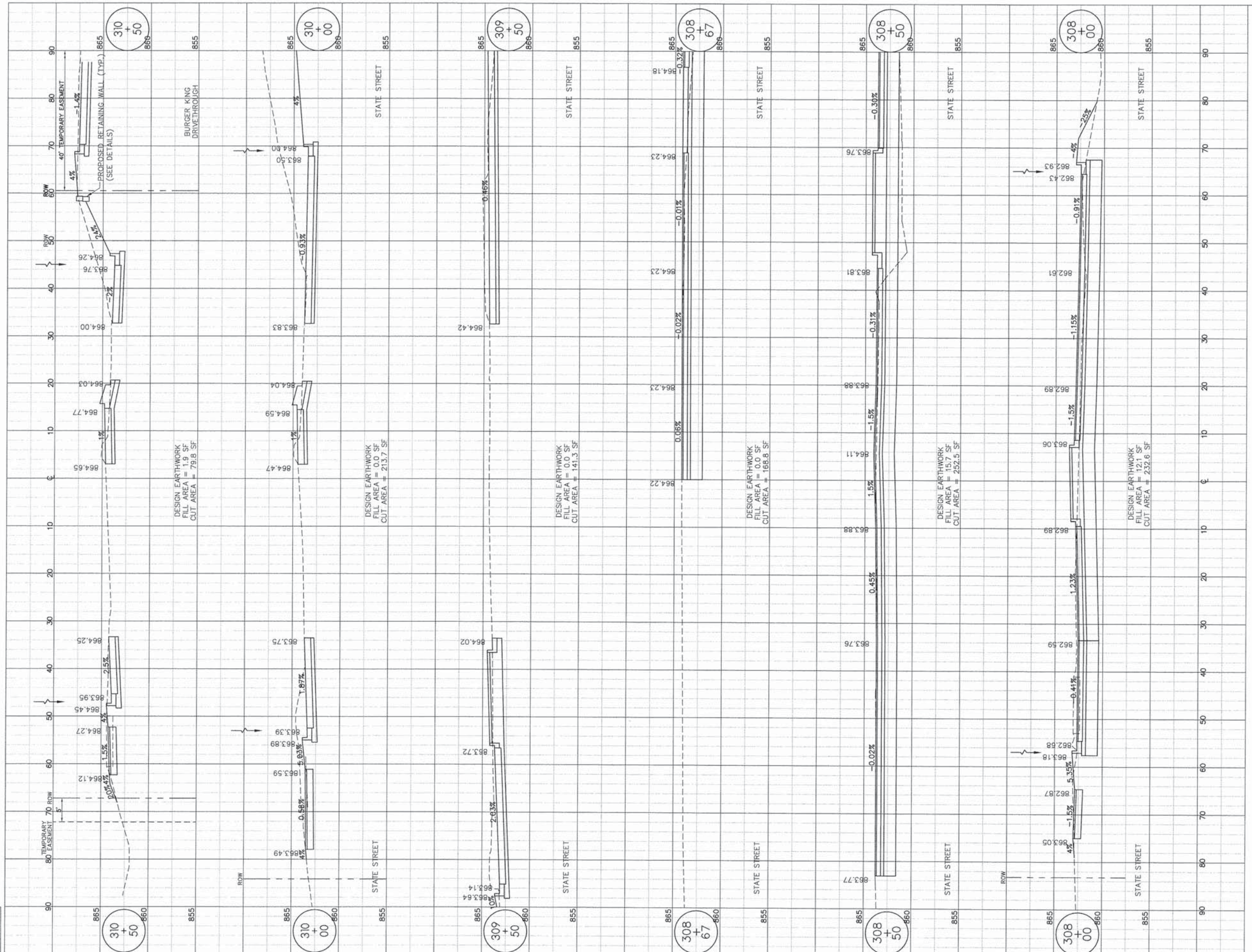
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 DRAWN - MWH
 CHECKED - DPA
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	95
				CONTRACT NO. 85616
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	10/12/13

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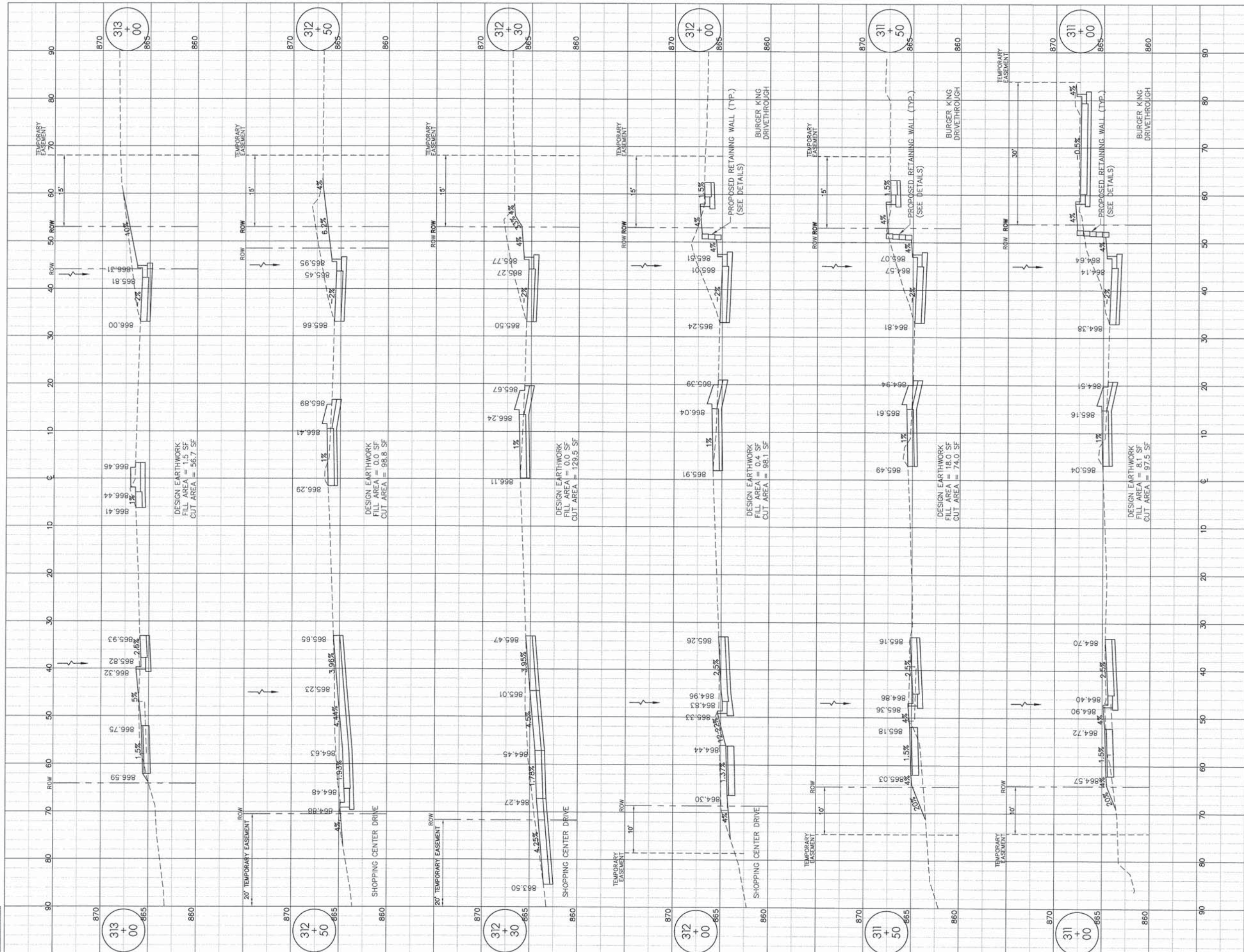
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	96
CONTRACT NO. 85616				

ILLINOIS FED. AID PROJECT



LAYOUT MWH 12/10/10
 DRAWN MWH 02/12/13
 REVIEWED DPA 02/12/13

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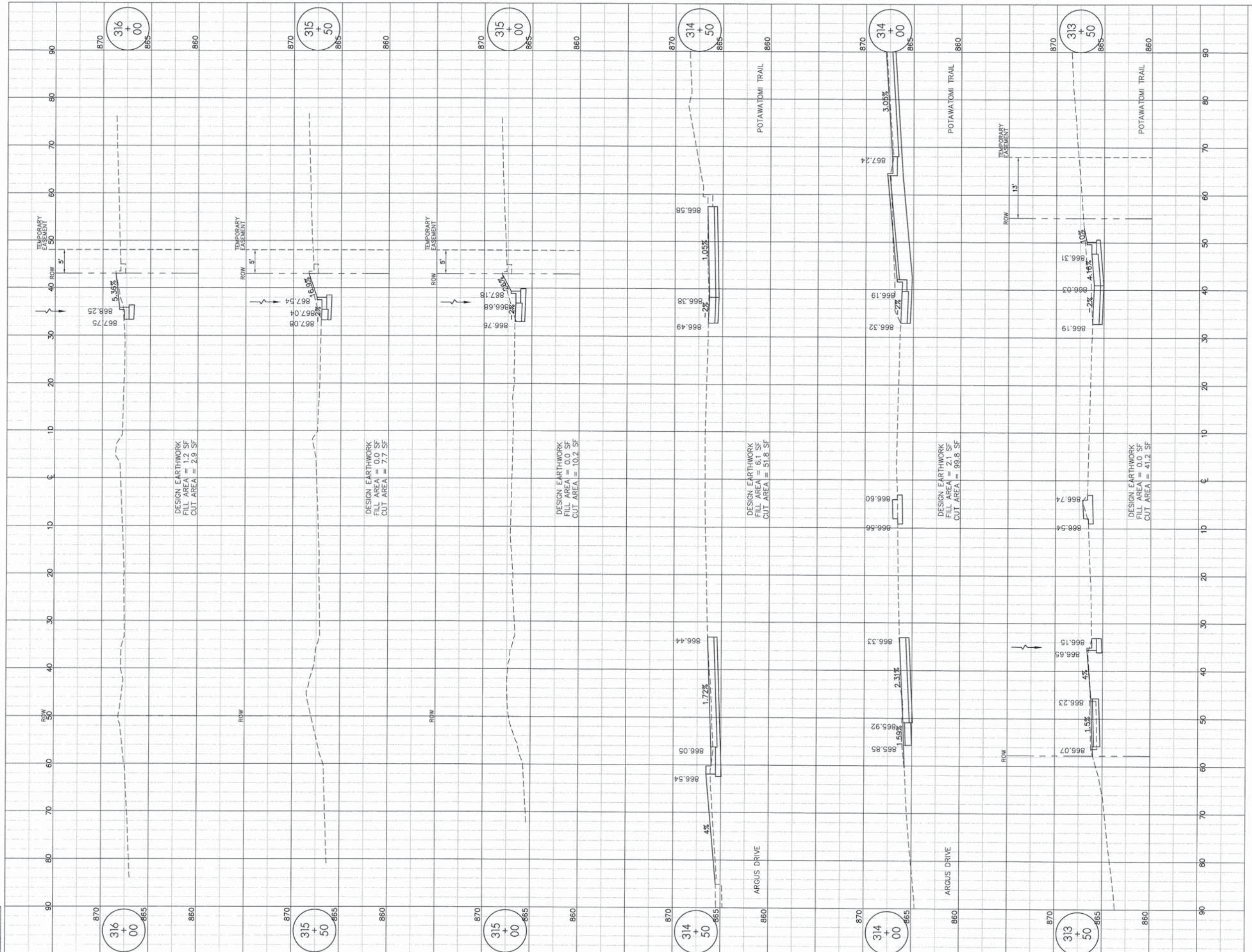
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CROSS SECTIONS - BELL SCHOOL ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	97
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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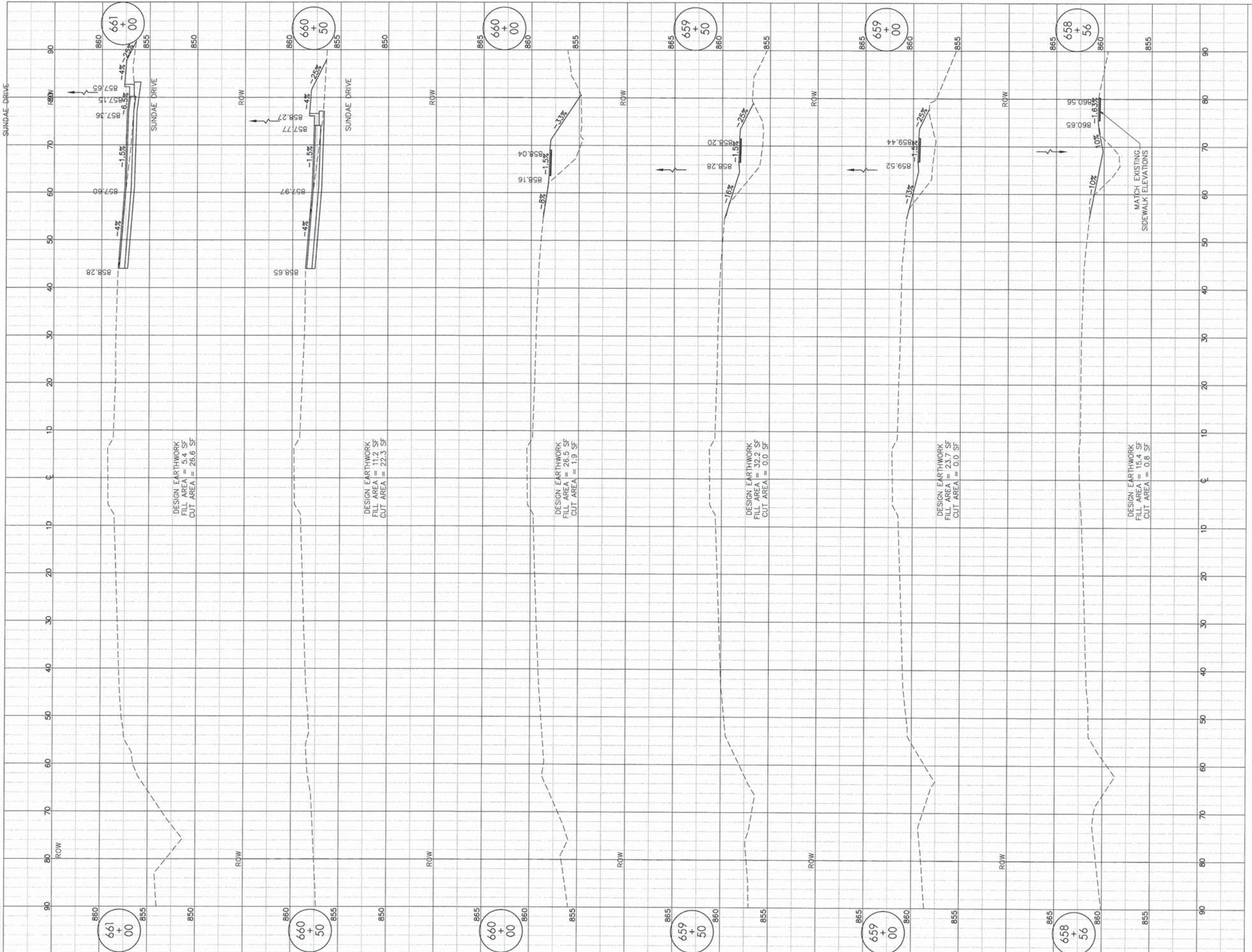
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CROSS SECTIONS - EAST STATE STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	98
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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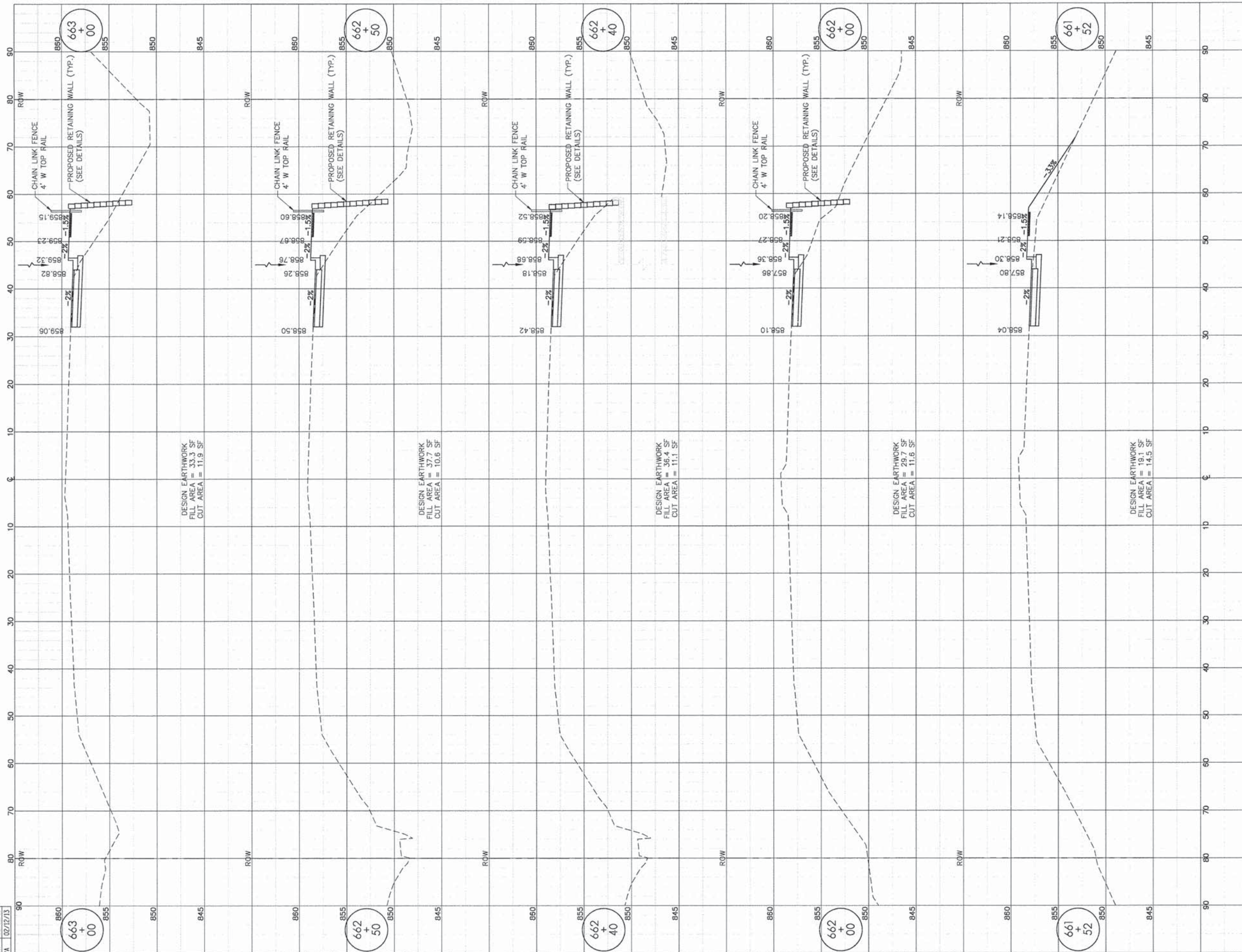
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REVISED - -
REVISED - -
REVISED - -



CROSS SECTIONS - EAST STATE STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	99
CONTRACT NO. 85616				
[ILLINOIS] FED. AID PROJECT				



LAYOUT	MWH	12/10/10
DRAWN	MWH	02/12/13
REVIEWED	DPA	02/12/13

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CHECKED - DPA
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REVISED - .
REVISED - .
REVISED - .



CROSS SECTIONS - EAST STATE STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5149	04-00345-00-CH	WINNEBAGO	129	100
CONTRACT NO. 85616				
ILLINOIS FED. AID PROJECT				

