

STATE OF ILLINOIS 11-9-12 LETTING ITEM 032
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 67 (IL 125)
 SECTION (3) N, L, RS-3
 PROJECT ACHSIP-ACF-0067(082)
 CASS COUNTY
 C - 96 - 009 - 10

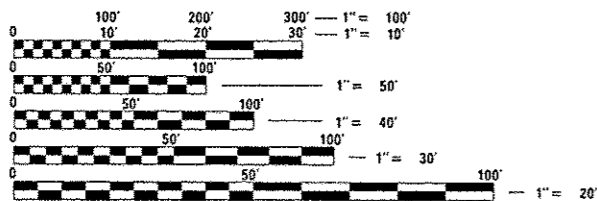
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|---------------------|----------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. 72D75 | | |

INDEX OF SHEETS

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LIST OF ILLINOIS DOT HIGHWAY STANDARDS

| | |
|-----------|-----------|
| 000001-06 | 701326-04 |
| 001006 | 701501-06 |
| 280001-06 | 701701-08 |
| 482001-02 | 701901-02 |
| 542401-01 | 720001-01 |
| 701001-02 | 720006-03 |
| 701006-03 | 728001-01 |
| 701011-02 | 780001-03 |
| 701201-04 | 781001-03 |
| 701301-04 | 825001-01 |
| 701306-03 | 830006 |
| 701311-03 | 836001-01 |

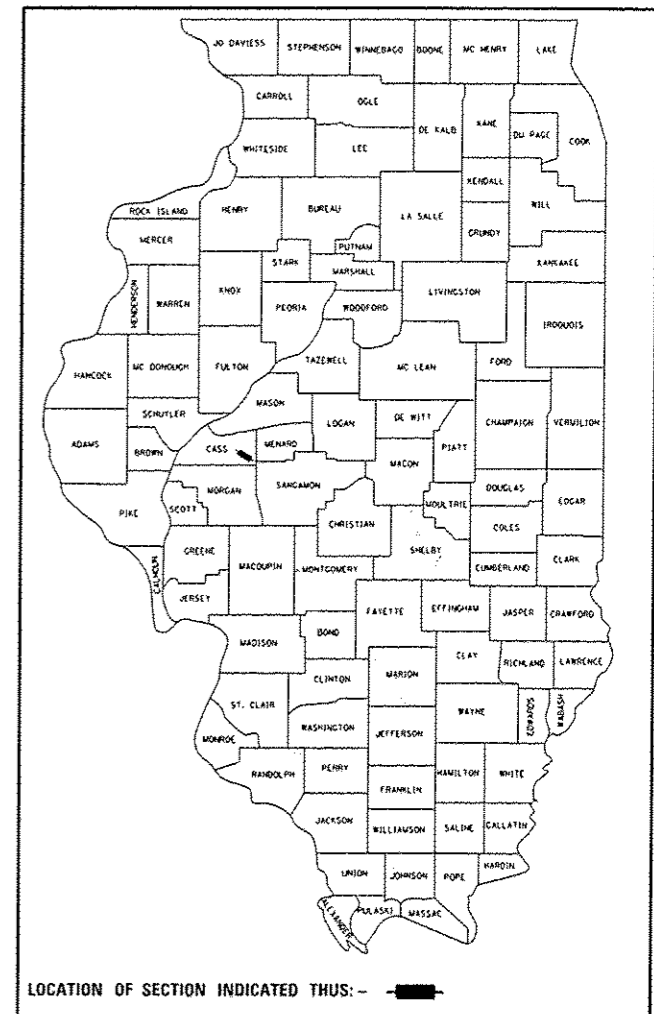


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

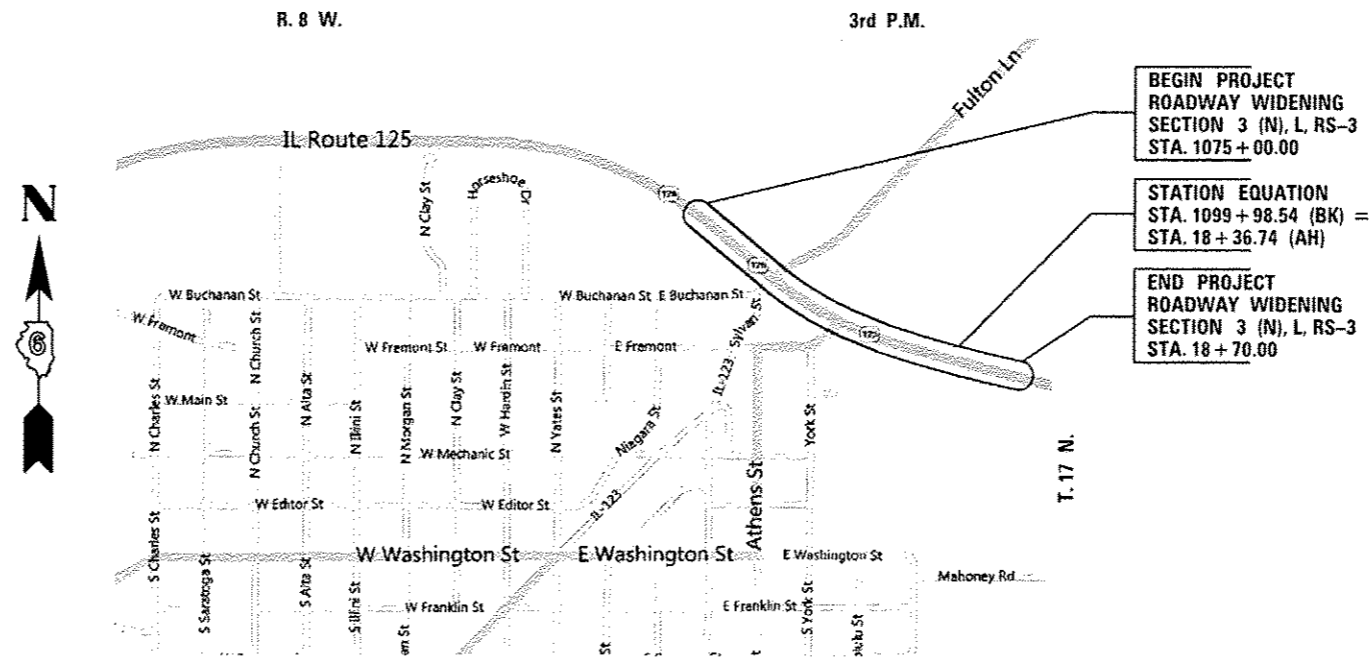
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER: JEFF MYERS (217)782-4761
 SQUAD LEADER: MARCUS BRUCE (217)524-0946

CONTRACT NO. 72D75

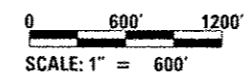


ADT = 5300 (2011)
 % SU = 5.7 (2011)
 % MU = 5.7 (2011)
 TOWNSHIP: ASHLAND
 FUNCTIONAL CLASSIFICATION: MINOR NON-URBAN ARTERIAL



LOCATION MAP - ASHLAND, IL

NET LENGTH OF PROJECT = 2531.80 FEET = 0.480 MILES



RICHARD K. ALLENDER III
 062-054436
 LICENSED PROFESSIONAL ENGINEER
 OF ILLINOIS
 3-29-12
 EXP 11-30-2013

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 SUBMITTED August 14 2012
Rip Z Smith
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
 October 5 2012
John D. Bucamelli, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT
 October 5 2012
William R. Franz, Jr.
 acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

GENERAL NOTES

- 1.) THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDED AS SOON AS POSSIBLE.
- 5.) ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
- 6.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- 7.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 8.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 10.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 11.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED. ANY EXISTING SIGNS THAT ARE REMOVED AND NOT REUSED SHALL BE DELIVERED TO THE IDOT MAINTENANCE YARD LOCATED AT 20578 RT 125 WEST, VIRGINIA, IL 62691.
- 12.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 13.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM 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 FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 14.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 15.) THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 217-785-5312)
- 16.) QUANTITY FOR EARTH EXCAVATION INCLUDES ANY EXCAVATION NECESSARY TO PLACE HOT-MIX ASPHALT BASE COURSE WIDENING, 8".

GENERAL NOTES - LIGHTING

- 1.) ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.
- 2.) CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
- 3.) LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. WASHERS USED TO INSTALL THE POLE SHALL BE LARGE ENOUGH TO FULLY COVER THE SLOTTED HOLES IN THE POLE BASE PLATE.
- 4.) CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCE PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 5.) THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE "UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA." AND "UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA, POLYETHYLENE" PAY ITEMS.
- 6.) THE CONTRACTOR SHALL PROVIDE AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.
- 7.) INSTALL HORIZONTAL MOUNT LUMINAIRES PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY AS REQUIRED BY ARTICLE 821.04 OF THE STANDARD SPECIFICATIONS.
- 8.) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA, SHALL BE SCHEDULE 80 AS NOTED IN THE PLANS.

COMMITMENTS

- 1.) THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGE, TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.
- 2.) STORM WATER POLLUTION PREVENTION PLAN.

MIXTURE REQUIREMENTS

| MIXTURE USE(S) | HMA SURFACE | LEVELING BINDER | HMA BASE CRSE WIDENING | HMA SHOULDER (LOWER LIFTS) | HMA SHOULDER (TOP LIFT) | HMA SHOULDER (THRU COMMERCIAL ENTRANCES) | INCIDENTAL HMA SURFACING |
|---------------------|----------------------|----------------------|------------------------|----------------------------|-------------------------|--|--------------------------|
| AC/PG | PG 64-22 | PG 64-22 | PG 64-22 | PG 58-22 | PG 64-22 | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS | 4.0% @ N DESIGN = 70 | 4.0% @ N DESIGN = 70 | 4.0% @ N DESIGN = 70 | 2.0% @ N DESIGN = 30 | 4.0% @ N DESIGN = 70 | 4.0% @ N DESIGN = 70 | 4.0% @ N DESIGN = 70 |
| MIXTURE COMPOSITION | IL 9.5 OR 12.5 | IL 9.5 | IL 19.0 | BAM (OTHER) | IL 9.5 OR 12.5 | IL 9.5 OR 12.5 | IL 9.5 OR 12.5 |
| FRICTION AGGREGATE | MIX D | N/A | N/A | N/A | MIX D | MIX D | MIX D |

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

| | |
|--|-----------------------------------|
| HOT-MIX ASPHALT MATERIALS (PRIME COAT) | 0.00038 TON/SQ. YD. (ON PAVEMENT) |
| HOT-MIX ASPHALT MATERIALS (PRIME COAT) | 0.001425 TON/SQ.YD. (ON AGG) |
| HOT-MIX ASPHALT SURFACE / BINDER | 0.056 TON/SQ. YD. PER 1" |
| AGGREGATE MATERIAL | 2.05 TON/CU. YD. |
| RIPRAP | 1.5 TON/CU. YD. |
| NITROGEN FERTILIZER NUTRIENT | 90 LBS./ACRE |
| PHOSPHOROUS FERTILIZER NUTRIENT | 90 LBS./ACRE |
| POTASSIUM FERTILIZER NUTRIENT | 90 LBS./ACRE |
| AGGREGATE PRIME COAT | 0.002 TON/SQ. YD. |
| AGRICULTURAL GROUND LIMESTONE | 2.0 TON/ACRE |
| ROCKFILL - FOUNDATION | 1.89 TON/CU. YD. |

| DISTRICT SIX | | | |
|---------------------------------|------------------|----|-----------|
| EXAMINED | <u>8/16</u> | 20 | <u>12</u> |
| <i>William W. Boyer</i> | | | |
| OPERATIONS ENGINEER | | | |
| EXAMINED | <u>AUGUST 6</u> | 20 | <u>12</u> |
| <i>Tom L. L.</i> | | | |
| PROJECT IMPLEMENTATION ENGINEER | | | |
| EXAMINED | <u>August 13</u> | 20 | <u>12</u> |
| <i>2RMLU</i> | | | |
| PROGRAM DEVELOPMENT ENGINEER | | | |

| | | |
|--------------------|-----------------|-----------|
| USER NAME * | DESIGNED - RKA | REVISED - |
| PLOT SCALE * | DRAWN - RKA | REVISED - |
| PLOT DATE * #DATE* | CHECKED - CPK | REVISED - |
| | DATE - 04/07/08 | REVISED - |



Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907


GENERAL NOTES & MIXTURE REQUIREMENTS

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 2 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | L25E | LS3E |
|------------|---------------------------------------|-------|----------------|---|---|
| | | | | ACF | ACHSIP |
| | | | | ROADWAY F. A. P. 67 80% FEDERAL 20% STATE CONSTRUCTION TYPE CODE 0005 | ROADWAY F. A. P. 67 90% FEDERAL 10% STATE CONSTRUCTION TYPE CODE 0021 |
| 20200100 | EARTH EXCAVATION | CU YD | 950 | | 950 |
| * 25000200 | SEEDING, CLASS 2 | ACRE | 1.2 | | 1.2 |
| * 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 108 | | 108 |
| * 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 108 | | 108 |
| * 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 108 | | 108 |
| * 25100115 | MULCH, METHOD 2 | ACRE | 1.2 | | 1.2 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 137 | | 137 |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 150 | | 150 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 1820 | | 1820 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 6 | | 6 |
| 28100225 | STONE RIPRAP, CLASS B3 | TON | 10 | | 10 |
| 31101200 | SUB-BASE GRANULAR MATERIAL, TYPE B 4" | SQ YD | 2640 | | 2640 |
| 35501328 | HOT-MIX ASPHALT BASE COURSE, 11" | SQ YD | 2228 | | 2228 |
| 40201000 | AGGREGATE FOR TEMPORARY ACCESS | TON | 25 | | 25 |

*SPECIALTY ITEM

| | | | | | | | | | | | | |
|----------------------|--------------------|------------|-----------|--|---|-------------------------|------|-------------|--------------------|--------|--------------|-----------|
| FILE NAME * | USER NAME * #USER# | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | SUMMARY OF QUANTITIES | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| #FILE# | | DRAWN - | REVISED - | | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 3 |
| PLOT SCALE * #SCALE# | | CHECKED - | REVISED - | | SCALE: | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA. | CONTRACT NO. 72075 | | | |
| PLOT DATE * #DATE# | | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | L25E ACF | LS3E ACHSIP |
|----------|--|-------|----------------|--|--|
| | | | | ROADWAY F. A. P. 67 80% FEDERAL 20% STATE | ROADWAY F. A. P. 67 90% FEDERAL 10% STATE |
| | | | | CONSTRUCTION TYPE CODE 0005 | CONSTRUCTION TYPE CODE 0021 |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 7.8 | 7.8 | |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 41.2 | 41.2 | |
| 40600635 | LEVELING BINDER (MACHINE METHOD), N70 | TON | 390 | 390 | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 456 | 456 | |
| 40600990 | TEMPORARY RAMP | SO YD | 71 | 71 | |
| 40603340 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | TON | 754 | 754 | |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 180 | 180 | |
| 44000100 | PAVEMENT REMOVAL | SO YD | 131 | | 131 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SO YD | 107 | | 107 |
| 44004250 | PAVED SHOULDER REMOVAL | SO YD | 4194 | | 4194 |
| 44200144 | PAVEMENT PATCHING, TYPE II, 12 INCH | SO YD | 100 | 100 | |
| 44300200 | STRIP REFLECTIVE CRACK CONTROL TREATMENT | FOOT | 3789 | | 3789 |
| 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 416 | 416 | |
| 48203029 | HOT-MIX ASPHALT SHOULDERS, 8" | SO YD | 2299 | | 2,299 |

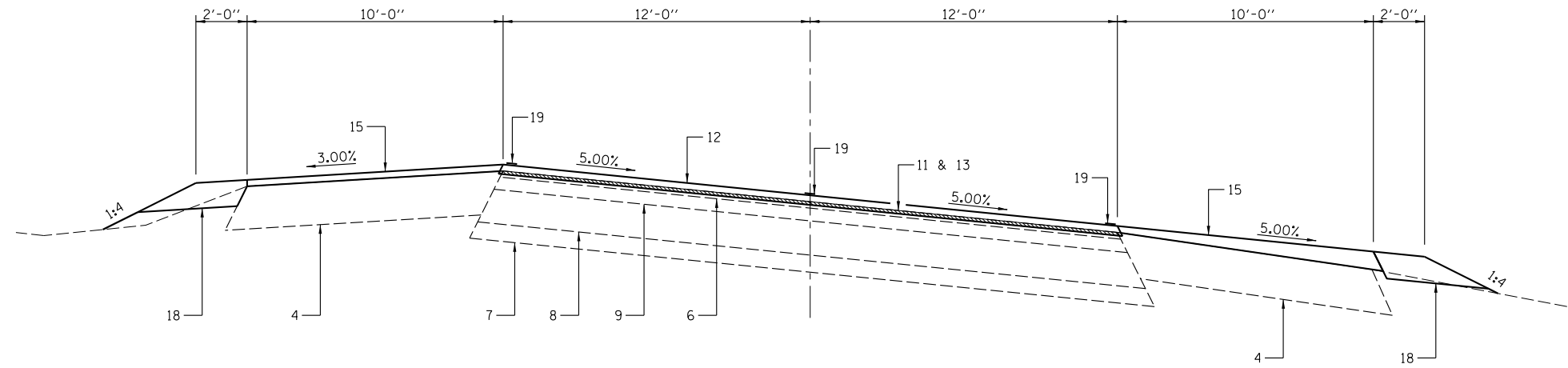
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | L25E ACF | LS3E ACHSIP |
|----------|---|--------|----------------|--|--|
| | | | | ROADWAY F. A. P. 67 80% FEDERAL 20% STATE | ROADWAY F. A. P. 67 90% FEDERAL 10% STATE |
| | | | | CONSTRUCTION TYPE CODE 0005 | CONSTRUCTION TYPE CODE 0021 |
| 48203100 | HOT-MIX ASPHALT SHOULDERS | TON | 92 | 92 | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 68 | | 68 |
| 54200220 | PIPE CULVERTS, CLASS D, TYPE 1 15" | FOOT | 84 | | 84 |
| 54215550 | METAL END SECTIONS 15" | EACH | 4 | | 4 |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | | 1 |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 | |
| 70100500 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701326 | L SUM | 1 | 1 | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 1 | |
| 70103815 | TRAFFIC CONTROL SURVEILLANCE | CAL DA | 5 | 5 | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 507 | 507 | |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 169 | 169 | |

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | L25E | L53E |
|------------|---|-------|----------------|---|---|
| | | | | ACF | ACHSIP |
| | | | | ROADWAY F. A. P. 67 80% FEDERAL 20% STATE CONSTRUCTION TYPE CODE 0005 | ROADWAY F. A. P. 67 90% FEDERAL 10% STATE CONSTRUCTION TYPE CODE 0021 |
| * 72000100 | SIGN PANEL - TYPE 1 | SO FT | 61.5 | | 61.5 |
| * 72400600 | RELOCATE SIGN PANEL ASSEMBLY - TYPE B | EACH | 1 | | 1 |
| * 72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 141 | | 141 |
| * 78000300 | THERMOPLASTIC PAVEMENT MARKING - LINE 5" | FOOT | 242 | 242 | |
| * 78004200 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS | SO FT | 141 | 141 | |
| * 78004280 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" | FOOT | 51 | 51 | |
| * 78009005 | MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | FOOT | 11016 | 11016 | |
| * 78009006 | MODIFIED URETHANE PAVEMENT MARKING-LINE 6" | FOOT | 1172 | 1172 | |
| * 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | FOOT | 188 | 188 | |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 108 | 108 | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 32 | 32 | |
| * 80400100 | ELECTRIC SERVICE INSTALLATION | EACH | 1 | 1 | |
| * 81028760 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA. | FOOT | 271 | 271 | |
| * 81603000 | UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE | FOOT | 2907 | 2907 | |

* SPECIALTY ITEM

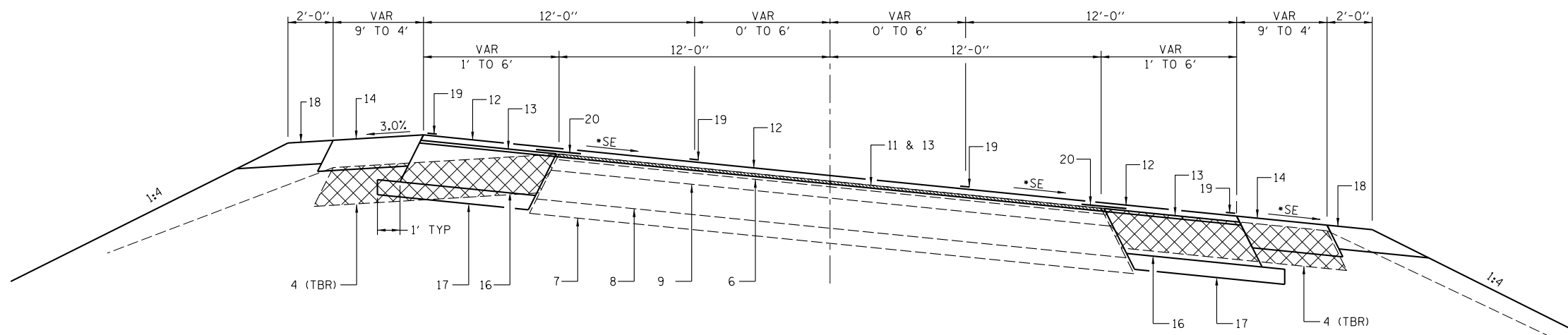
SUGGESTED SEQUENCE OF CONSTRUCTION

1. ERECT TRAFFIC CONTROL AND PROTECTION PER STANDARDS AND TRAFFIC CONTROL PLAN.
2. PERFORM PAVEMENT PATCHING AS DIRECTED BY ENGINEER.
3. REMOVE RAISED REFLECTIVE PAVEMENT MARKERS AND PERFORM HMA SURFACE REMOVAL, VAR DEPTH.
4. ERECT SILT FENCE.
5. PERFORM EARTH EXCAVATION, DITCH WORK FOR DRAINAGE AND TEMPORARY EROSION CONTROL ITEMS.
6. REMOVE PAVEMENT, DRIVEWAY PAVEMENT, SHOULDERS AND PIPE CULVERTS.
7. INSTALL NEW PIPE CULVERTS AND CONSTRUCT SUBBASE 4".
8. CONSTRUCT BASE COURSE, 11".
9. APPLY PRIME COATS AND CONSTRUCT HMA SHOULDERS.
10. CONSTRUCT BINDER COURSE AND HMA SURFACE COURSE.
11. CONSTRUCT INCIDENTAL HMA SURFACING.
12. INSTALL NEW RAISED REFLECTIVE PAVEMENT MARKERS AND PAVEMENT MARKINGS.
13. INSTALL SIGNAGE, ELECTRIC SERVICE AND LIGHTING.
14. PERFORM FINAL SEEDING.
15. REMOVE SHORT TERM PAVEMENT MARKINGS AND TRAFFIC CONTROL.



PROPOSED TYPICAL SECTION #1

STA. 1075+00 TO STA. 1075+95.16



PROPOSED TYPICAL SECTION #2

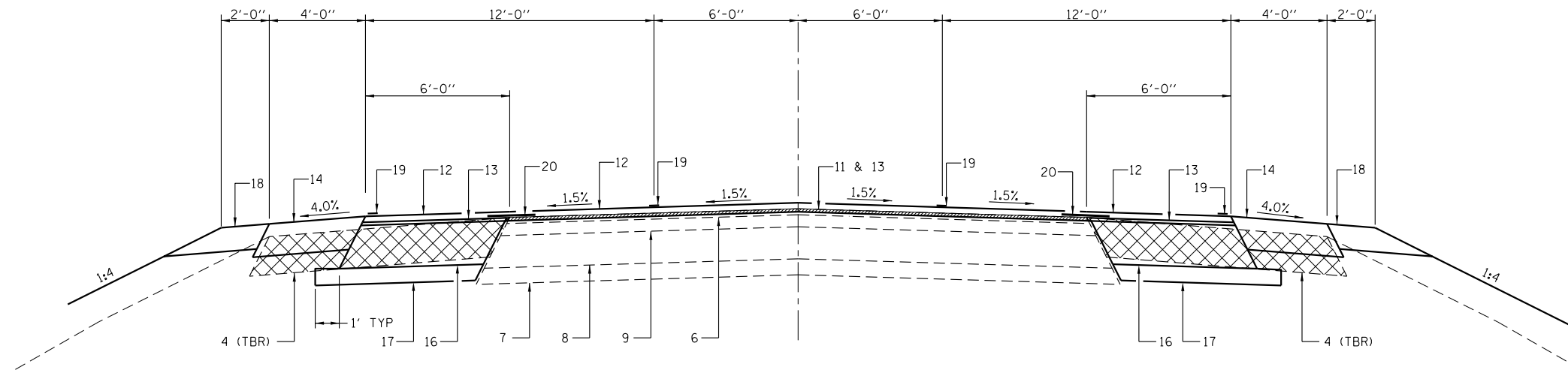
STA. 1075+95.16 TO STA. 1078+95.40

* - FULL SE (5.0%)
 STA. 1075+00.00 TO STA. 1077+32.91
 SE TRANSITION OUT:
 STA. 1077+32.91 TO STA. 1078+99.91 LT
 STA. 1077+32.91 TO STA. 1078+22.83 RT

PAVEMENT LEGEND

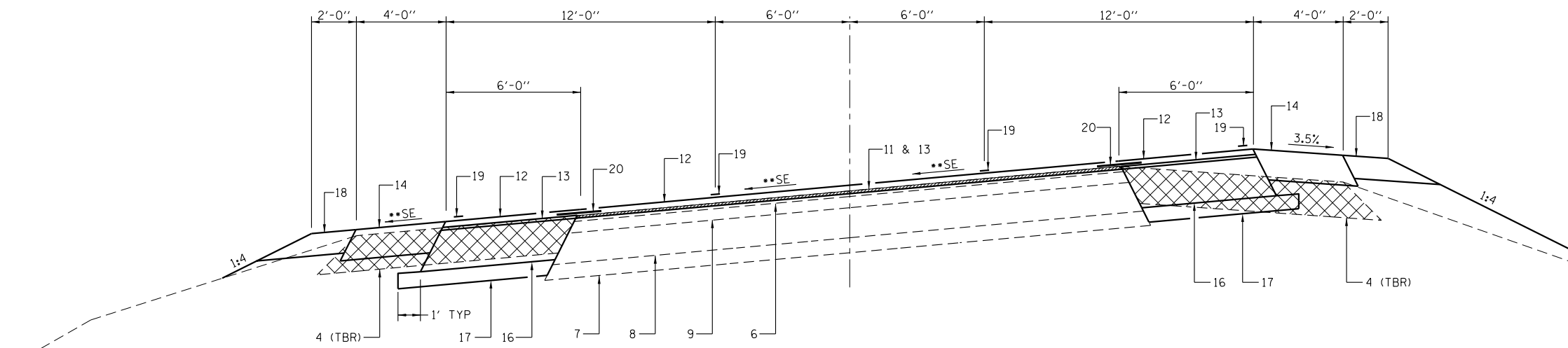
- 1 - EX PCC PAVEMENT (9"-6"-9")
- 2 - EX PCC WIDENING (8")
- 3 - EX HMA SURFACE (VAR 3" TO 6 1/2")
- 4 - EX HMA SHOULDERS (8")
- 5 - EX AGG SHOULDERS
- 6 - EX HMA SURFACE COURSE (1 1/2")
- 7 - EX SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- 8 - EX STABILIZED BASE COURSE (8")
- 9 - EX HMA SURFACE (3")
- 10 - EX PAVEMENT MARKINGS - LINE 5"
- 11 - PR HMA SURFACE REMOVAL, VAR DEPTH (3/4" MIN @ 1)
- 12 - PR HMA SURFACE COURSE, 1 1/2"
- 13 - PR HMA LEVELING BINDER (3/4" MIN)
- 14 - PR HMA SHOULDERS, 8"
- 15 - PR HMA SHOULDERS (1 1/2" NOM)
- 16 - PR HMA BASE COURSE, 11"
- 17 - PR SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- 18 - PR AGG SHOULDERS, TYPE B (6")
- 19 - PR PAVEMENT MARKING
- 20 - PR STRIP REFLECTIVE CRACK CONTROL TREATMENT

| | | | | | | | | | | | |
|----------------------|------------|-----------|--|---|--|-------------------------|----------------|---------|--------------------|-----------|--|
| USER NAME = *USER* | DESIGNED - | REVISED - | <p>Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p> | TYPICAL ROADWAY SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 8 | |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: NONE | | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA. | CONTRACT NO. 72075 | | |
| | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |



PROPOSED TYPICAL SECTION #3

STA. 1078+95.40 TO STA. 1079+94.88



PROPOSED TYPICAL SECTION #4

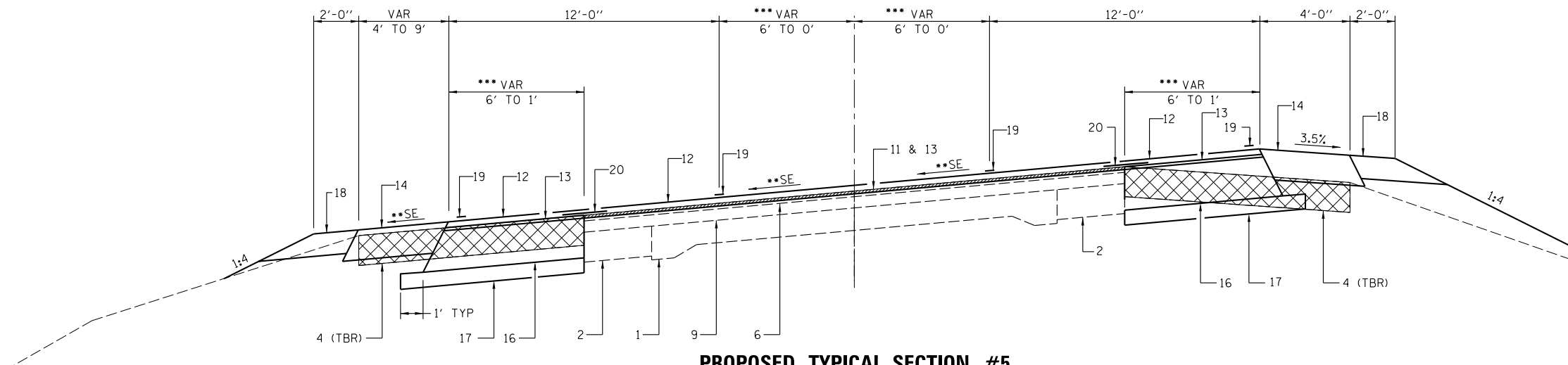
STA. 1079+94.88 TO STA. 1091+88.89

** - SE TRANSITION IN;
 STA. 1079+94.88 TO STA. 1082+25.88 RT
 STA. 1081+10.88 TO STA. 1082+25.88 LT
 FULL SE (4.50%)
 STA. 1082+25.88 TO STA. 1091+29.71
 SE TRANSITION OUT;
 STA. 1091+29.71 TO STA. 1093+60.71 RT
 STA. 1091+29.71 TO STA. 1092+44.71 LT

PAVEMENT LEGEND

- 1 - EX PCC PAVEMENT (9'-6"-9')
- 2 - EX PCC WIDENING (8')
- 3 - EX HMA SURFACE (VAR 3" TO 6 1/2')
- 4 - EX HMA SHOULDERS (8')
- 5 - EX AGG SHOULDERS
- 6 - EX HMA SURFACE COURSE (1 1/2')
- 7 - EX SUB-BASE GRANULAR MATERIAL, TYPE A (4')
- 8 - EX STABILIZED BASE COURSE (8')
- 9 - EX HMA SURFACE (3')
- 10 - EX PAVEMENT MARKINGS - LINE 5"
- 11 - PR HMA SURFACE REMOVAL, VAR DEPTH (3/4" MIN @ 4')
- 12 - PR HMA SURFACE COURSE, 1 1/2"
- 13 - PR HMA LEVELING BINDER (3/4" MIN)
- 14 - PR HMA SHOULDERS, 8"
- 15 - PR HMA SHOULDERS (1 1/2" NOM)
- 16 - PR HMA BASE COURSE, 1 1/2"
- 17 - PR SUB-BASE GRANULAR MATERIAL, TYPE B (6')
- 18 - PR AGG SHOULDERS, TYPE B (6')
- 19 - PR PAVEMENT MARKING
- 20 - PR STRIP REFLECTIVE CRACK CONTROL TREATMENT

| | | | | | | | | | | | | |
|----------------------|------------|-----------|--|---------------------------------|-------------------------|-------------|---------|---|----------------|-----------|----|---|
| USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | TYPICAL ROADWAY SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA. | 67 | 3 (N, L, RS-3) | CASS | 64 | 9 |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | | | | | CONTRACT NO. 72075 | | | | |
| | DATE - | REVISED - | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

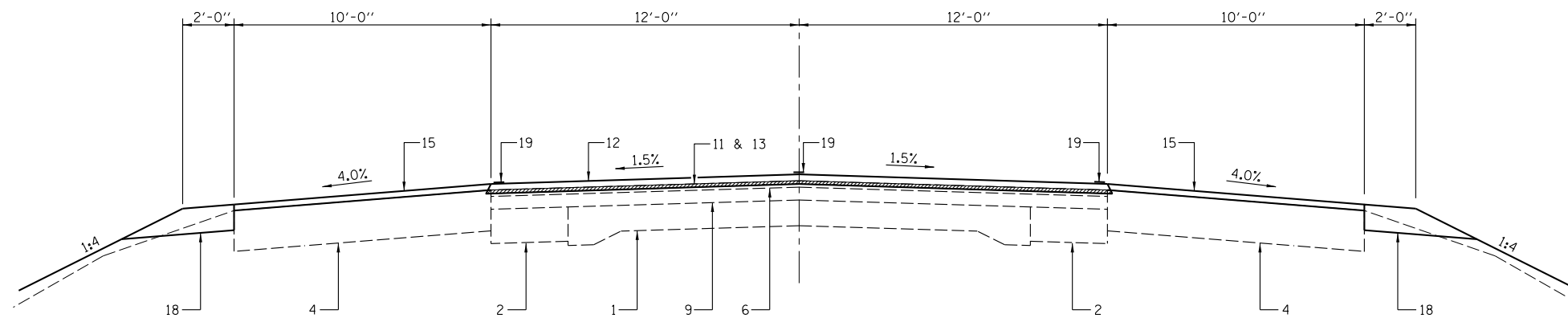


PROPOSED TYPICAL SECTION #5

STA. 1091+88.89 TO STA. 1095+51.29

- ** - SE TRANSITION IN:
 STA. 1079+94.88 TO STA. 1082+25.88 RT
 STA. 1081+10.88 TO STA. 1082+25.88 LT
 FULL SE (4.50%)
 STA. 1082+25.88 TO STA. 1091+29.71
 SE TRANSITION OUT:
 STA. 1091+29.71 TO STA. 1093+60.71 RT
 STA. 1091+29.71 TO STA. 1092+44.71 LT
 NORMAL CROWN
 STA. 1093+60.71 TO STA. 1095+51.29

*** 6'-0" STA. 1091+88.89 TO STA. 1092+51.05
 SHLD VARIES 6'-0" TO 1'-0" STA. 1092+51.05 TO STA. 1095+01.17
 CENTER LANE VARIES 12'-0" TO 0' STA. 1092+51.05 TO STA. 1095+51.05



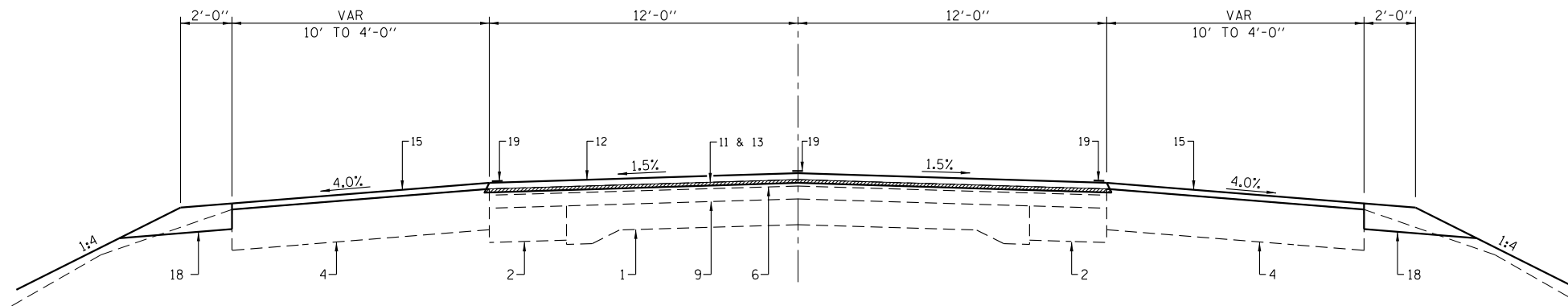
PROPOSED TYPICAL SECTION #6

STA. 1095+51.29 TO STA. 1097+00.00

PAVEMENT LEGEND

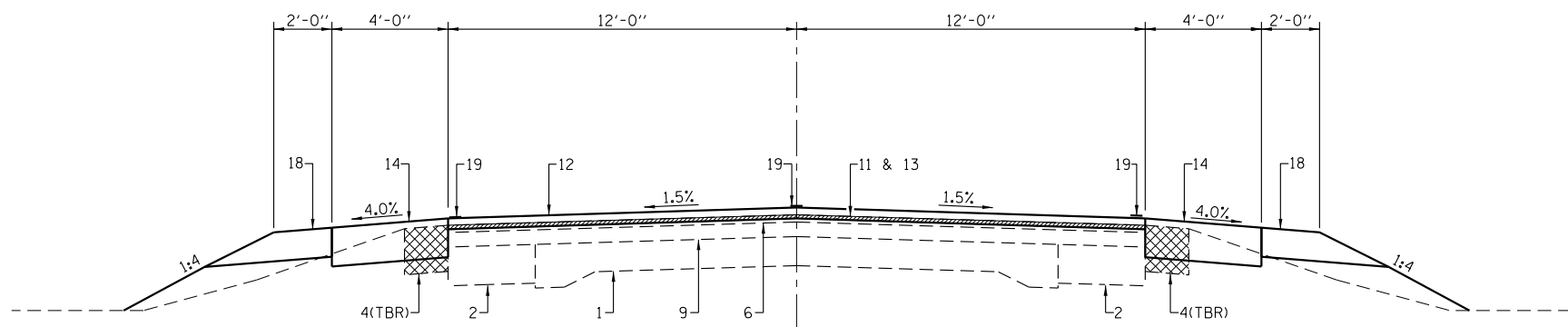
- 1 - EX PCC PAVEMENT (9"-6"-9")
- 2 - EX PCC WIDENING (8")
- 3 - EX HMA SURFACE (VAR 3" TO 6 1/2")
- 4 - EX HMA SHOULDERS (8")
- 5 - EX AGG SHOULDERS
- 6 - EX HMA SURFACE COURSE (1 1/2")
- 7 - EX SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- 8 - EX STABILIZED BASE COURSE (8")
- 9 - EX HMA SURFACE (3")
- 10 - EX PAVEMENT MARKINGS - LINE 5"
- 11 - PR HMA SURFACE REMOVAL, VAR DEPTH (3/4" MIN @ C)
- 12 - PR HMA SURFACE COURSE, 1 1/2"
- 13 - PR HMA LEVELING BINDER (3/4" MIN)
- 14 - PR HMA SHOULDERS, 8"
- 15 - PR HMA SHOULDERS (1 1/2" NOM)
- 16 - PR HMA BASE COURSE, 1 1/2"
- 17 - PR SUB-BASE GRANULAR MATERIAL, TYPE B (6")
- 18 - PR AGG SHOULDERS, TYPE B (6")
- 19 - PR PAVEMENT MARKING
- 20 - PR STRIP REFLECTIVE CRACK CONTROL TREATMENT

| | | | | | | | | | | | | |
|----------------------|------------|-----------|--|---------------------------------|-------------------------|-------------|---------|---|----------------|-----------|----|----|
| USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | TYPICAL ROADWAY SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA. | 67 | 3 (N, L, RS-3) | CASS | 64 | 10 |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | | | | | CONTRACT NO. 72075 | | | | |
| | DATE - | REVISED - | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



PROPOSED TYPICAL SECTION #7

STA. 1097+00.00 TO STA. 1098+75.00 LT.
 STA. 1097+00.00 TO STA. 1099+00.00 RT.



PROPOSED TYPICAL SECTION #8

STA. 1098+75.00 TO STA. 18+70.00 LT.
 STA. 1099+00.00 TO STA. 18+70.00 RT.

STATION EQUATION=
 STA. 1099+98.54 (BK) = STA. 18+36.74 (AH)

PAVEMENT LEGEND

- 1 - EX PCC PAVEMENT (9'-6"-9')
- 2 - EX PCC WIDENING (8')
- 3 - EX HMA SURFACE (VAR 3' TO 6 1/2')
- 4 - EX HMA SHOULDERS (8')
- 5 - EX AGG SHOULDERS
- 6 - EX HMA SURFACE COURSE (1 1/2')
- 7 - EX SUB-BASE GRANULAR MATERIAL, TYPE A (4')
- 8 - EX STABILIZED BASE COURSE (8')
- 9 - EX HMA SURFACE (3')
- 10 - EX PAVEMENT MARKINGS - LINE 5"
- 11 - PR HMA SURFACE REMOVAL, VAR DEPTH (3/4" MIN @ 4')
- 12 - PR HMA SURFACE COURSE, 1 1/2'
- 13 - PR HMA LEVELING BINDER (3/4" MIN)
- 14 - PR HMA SHOULDERS, 8"
- 15 - PR HMA SHOULDERS (1 1/2" NOM)
- 16 - PR HMA BASE COURSE, 11"
- 17 - PR SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- 18 - PR AGG SHOULDERS, TYPE B (6')
- 19 - PR PAVEMENT MARKING
- 20 - PR STRIP REFLECTIVE CRACK CONTROL TREATMENT

| HMA SURFACE REMOVAL | | |
|---------------------------------------|----------------------------------|-------------------------------------|
| LOCATION | HMA SURFACE REMOVAL - BUTT JOINT | HMA SURFACE REMOVAL, VARIABLE DEPTH |
| | SQ. YD. | SQ. YD. |
| STA. 1075+00 TO STA. 1075+15 | 40 | 40 |
| STA. 1075+15 TO STA. 18+55 | | 6672 |
| STA. 18+55 TO STA. 18+70 | 40 | 40 |
| STA. 1082+27.55 LT. (FULTON LANE) | 240 | |
| STA. 1082+27.55 RT. (BUCHANAN STREET) | 15 | |
| STA. 1087+39.93 RT. (FREMONT STREET) | 121 | |
| TOTAL | 456 | 6752 |

| PERMANENT SEEDING | | | | | |
|--------------------------------|-----------------|---------------------|-----------------------|----------------------|----------------|
| LOCATION | SEEDING CLASS 2 | NITROGEN FERT. NUT. | PHOSPHORUS FERT. NUT. | POTASSIUM FERT. NUT. | MULCH METHOD 2 |
| | ACRE | POUND | POUND | POUND | ACRE |
| STA. 1075+00 TO STA. 18+70 LT. | 0.5 | 45 | 45 | 45 | 0.5 |
| STA. 1075+00 TO STA. 18+70 RT. | 0.7 | 63 | 63 | 63 | 0.7 |
| TOTAL | 1.2 | 108 | 108 | 108 | 1.2 |

| WORK ZONE PAVEMENT MARKING REMOVAL | |
|------------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ FT |
| SHORT-TERM PAVEMENT MARKING | 169 |
| TOTAL | 169 |

| HMA SHOULDERS | | |
|---------------------------------------|-------------------|---------------|
| LOCATION | HMA SHOULDERS, 8" | HMA SHOULDERS |
| | SQ. YD. | TON |
| STA. 1075+00 TO STA. 1075+95.16 LT. | | 18 |
| STA. 1075+95.16 TO STA. 1082+37.4 LT. | 401 | |
| STA. 1082+58 TO STA. 1087+12.20 LT. | 218 | |
| STA. 1087+63.6 TO STA. 1095+51.29 LT. | 445 | |
| STA. 1095+51.29 TO STA. 1098+75 LT. | | 26 |
| STA. 1098+75 TO STA. 18+70 LT. | 70 | |
| STA. 1075+00 TO STA. 1075+95.16 RT. | | 24 |
| STA. 1075+95.16 TO STA. 1082+04.3 RT. | 378 | |
| STA. 1082+25.4 TO STA. 1086+82.7 RT. | 240 | |
| STA. 1087+10.7 TO STA. 1095+51.29 RT. | 488 | |
| STA. 1095+51.29 TO STA. 1099+00 RT. | | 24 |
| STA. 1099+00 TO STA. 18+70 RT. | 59 | |
| TOTAL | 2299 | 92 |

| EARTHWORK | | | | |
|----------------------------|------------------|---|------------|---|
| LOCATION | EARTH EXCAVATION | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
| | CU. YD. | CU. YD. | CU. YD. | CU. YD. |
| STA. 1075+00 TO STA. 18+70 | 950 | 713 | 340 | +373 |
| TOTAL | 950 | 713 | 340 | +373 |

| PAVED SHOULDER REMOVAL | |
|-------------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1075+95.16 TO STA. 1082+04 LT. | 671 |
| STA. 1082+94 TO STA. 1086+99 LT. | 426 |
| STA. 1087+80 TO STA. 1095+51.29 LT. | 871 |
| STA. 1075+95.16 TO STA. 1081+81 RT. | 722 |
| STA. 1082+56 TO STA. 1086+83 RT. | 511 |
| STA. 1087+11 TO STA. 1095+51.29 RT. | 911 |
| STA. 1098+75 TO STA. 18+70 LT. | 42 |
| STA. 1099+00 TO STA. 18+70 RT. | 40 |
| TOTAL | 4194 |

| AGGREGATE SHOULDERS, TYPE B | |
|--------------------------------------|----------|
| LOCATION | QUANTITY |
| | TON |
| STA. 1075+00 TO STA. 1081+92.4 LT. | 53 |
| STA. 1082+93.6 TO STA. 1087+12.2 LT. | 45 |
| STA. 1087+63.3 TO STA. 18+70 LT. | 117 |
| STA. 1075+00 TO STA. 1081+77.2 RT. | 51 |
| STA. 1082+55.5 TO STA. 1086+63.2 RT. | 31 |
| STA. 1087+89 TO STA. 18+70 RT. | 119 |
| TOTAL | 416 |

| HMA BASE COURSE, 11" | |
|--|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1075+95.16 TO STA. 1095+51.29 LT. | 1110 |
| STA. 1075+95.16 TO STA. 1086+68 RT. | 620 |
| STA. 1087+91 TO STA. 1095+51.29 RT. | 412 |
| BUCHANAN STREET | 36 |
| FULTON LANE | 50 |
| TOTAL | 2228 |

| TEMPORARY RAMP | |
|---------------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1075+00 TO STA. 1075+05 | 14 |
| STA. 18+65 TO STA. 18+70 | 14 |
| STA. 1082+27.55 LT. (FULTON LANE) | 12 |
| STA. 1082+27.55 RT. (BUCHANAN STREET) | 13 |
| STA. 1087+39.93 RT. (FREMONT STREET) | 18 |
| TOTAL | 71 |

| PAVEMENT REMOVAL | |
|----------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1081+81 TO STA. 1082+56 RT. | 60 |
| STA. 1082+04 TO STA. 1082+94 LT. | 71 |
| TOTAL | 131 |

| SUB-BASE GRANULAR MATERIAL, TYPE B 4" | |
|--|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1075+95.16 TO STA. 1095+51.29 LT. | 1325 |
| STA. 1075+95.16 TO STA. 1086+68 RT. | 740 |
| STA. 1087+91 TO STA. 1095+51.29 RT. | 497 |
| BUCHANAN STREET | 33 |
| FULTON LANE | 45 |
| TOTAL | 2640 |

| LEVELING BINDER (MACHINE METHOD), N70 | |
|---------------------------------------|----------|
| LOCATION | QUANTITY |
| | TON |
| STA. 1075+30 TO STA. 18+40 | 390 |
| TOTAL | 390 |

| PRIME COAT | | |
|---------------------------------------|-----------------------------------|------------------------|
| LOCATION | BITUMINOUS MATERIALS (PRIME COAT) | AGGREGATE (PRIME COAT) |
| | TON | TON |
| STA. 1075+30 TO STA. 18+40 | 3.5 | 18.4 |
| STA. 1075+00 TO STA. 18+70 | 3.5 | 18.4 |
| STA. 1082+27.55 LT. (FULTON LANE) | 0.2 | 1.1 |
| STA. 1082+27.55 RT. (BUCHANAN STREET) | 0.2 | 1.1 |
| STA. 1087+39.93 RT. (FREMONT STREET) | 0.4 | 2.2 |
| TOTAL | 7.8 | 41.2 |

| INCIDENTAL HOT-MIX ASPHALT SURFACING | |
|--------------------------------------|-----------------|
| LOCATION | TON |
| | BUCHANAN STREET |
| FULTON LANE | 26 |
| FREMONT STREET | 96 |
| TOTAL | 180 |

| DRIVEWAY PAVEMENT REMOVAL | |
|----------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ. YD. |
| STA. 1086+99 TO STA. 1087+80 LT. | 107 |
| TOTAL | 107 |

| HMA SURFACE COURSE, MIX "D", N70 | |
|----------------------------------|----------|
| LOCATION | QUANTITY |
| | TON |
| STA. 1075+00 TO STA. 18+70 | 754 |
| TOTAL | 754 |

| PAVEMENT PATCHING, TYPE II, 12" | |
|---------------------------------|----------|
| LOCATION | QUANTITY |
| | SQ YD |
| STA. 1075+00 TO STA. 18+70 | 100 |
| TOTAL | 100 |

| AGGREGATE FOR TEMPORARY ACCESS | |
|--------------------------------|----------|
| LOCATION | QUANTITY |
| | TON |
| STA. 1084+22.3 LT. - F.E. | 5 |
| STA. 1087+37.5 LT. - C.E. | 10 |
| STA. 1093+26.7 LT. - F.E. | 5 |
| STA. 1093+31.2 RT. - F.E. | 5 |
| TOTAL | 25 |

| MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | | |
|---|--------------|------|
| LOCATION | SOLID YELLOW | FOOT |
| STA. 1076+36 TO STA. 1080+14 (MEDIAN) | 90 | |
| STA. 1090+46 TO STA. 1094+69 (MEDIAN) | 98 | |
| TOTAL | 188 | |

| RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | |
|---|----------|
| LOCATION | QUANTITY |
| | EACH |
| STA. 1075+00 TO STA. 18+70 | 32 |
| TOTAL | 32 |

| SHORT-TERM PAVEMENT MARKING | |
|-----------------------------|----------|
| LOCATION | QUANTITY |
| | FOOT |
| STA. 1075+00 TO 18+70 | 507 |
| TOTAL | 507 |

| MODIFIED URETHANE PAVEMENT MARKING - LINE 5" | | | |
|--|--------------|-----------------------|-------------|
| LOCATION | SOLID YELLOW | SKIP-DASH (10' / 30') | SOLID WHITE |
| | FOOT | FOOT | FOOT |
| STA. 1072+95.40 TO STA. 1075+95.40 EB NPZ | 300 | | |
| STA. 1075+00 TO STA. 1075+95.40 | | 30 | |
| STA. 1075+95.4 TO STA. 1076+30.4 | 70 | | |
| STA. 1076+30.4 TO STA. 1080+54.4 | 1696 | | |
| STA. 1080+54.4 TO STA. 1081+90 | 272 | | |
| STA. 1082+61 TO STA. 1086+61 | 800 | | |
| STA. 1087+66 TO STA. 1090+39 | 546 | | |
| STA. 1090+39 TO STA. 1095+16 | 1908 | | |
| STA. 1095+16 TO STA. 1095+51 | 70 | | |
| STA. 1095+51 TO STA. 1098+51 WB NPZ | 300 | | |
| STA. 1095+51 TO STA. 18+70 | | 120 | |
| STA. 1075+00 TO STA. 1081+79 LT. EDGE | | | 679 |
| STA. 1083+07 TO STA. 18+70 LT. EDGE | | | 1726 |
| STA. 1075+00 TO STA. 1081+66 RT. EDGE | | | 666 |
| STA. 1082+67 TO STA. 1086+52 RT. EDGE | | | 385 |
| STA. 1088+07 TO STA. 18+70 RT. EDGE | | | 1226 |
| FREMONT ST LT. EDGE | | | 88 |
| FREMONT ST RT. EDGE | | | 134 |
| SUB-TOTAL | 5962 | 150 | 4904 |
| TOTAL | | 11016 | |

| PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - LETTERS & SYMBOLS | |
|---|----------|
| LOCATION | QUANTITY |
| | SQ. FT. |
| STA. 1084+84 LT. TURN | 15.6 |
| STA. 1081+65 LT. TURN | 15.6 |
| STA. 1082+85 LT. TURN | 15.6 |
| STA. 1083+68 LT. TURN | 15.6 |
| STA. 1085+55 LT. TURN | 15.6 |
| STA. 1086+35 LT. TURN | 15.6 |
| STA. 1087+99 LT. TURN | 15.6 |
| STA. 1088+90 LT. TURN | 15.6 |
| STA. 1090+05 LT. TURN | 15.6 |
| TOTAL | 141 |

| RAISED REFLECTIVE PAVEMENT MARKER | | | |
|-----------------------------------|---------------|---------------|-----------------|
| LOCATION | TWO WAY AMBER | ONE WAY AMBER | ONE WAY CRYSTAL |
| | EACH | EACH | EACH |
| STA. 1075+25 | 1 | | |
| STA. 1076+30 TO STA. 1080+30 | | 22 | |
| STA. 1080+30 TO STA. 1081+90 | 8 | | 3 |
| STA. 1082+61 TO STA. 1086+61 | 22 | | 6 |
| STA. 1087+66 TO STA. 1090+06 | 7 | | 7 |
| STA. 1090+45 TO STA. 1095+25 | | 26 | |
| STA. 1095+76 TO STA. 18+70 | 6 | | |
| SUB-TOTAL | 44 | 48 | 16 |
| TOTAL | | 108 | |

| PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID - LINE 24" | |
|--|-------------|
| LOCATION | SOLID WHITE |
| | FOOT |
| STA. 0+46 (BUCHANAN STREET) | 12 |
| STA. 0+45 (FULTON LANE) | 15 |
| STA. 0+43 (FREMONT STREET) | 24 |
| TOTAL | 51 |

| SIGN PANEL | | | |
|-------------------|---------------------|---------------------------------------|--------------------------------|
| LOCATION | SIGN PANEL - TYPE 1 | RELOCATE SIGN PANEL ASSEMBLY - TYPE B | TELESCOPING STEEL SIGN SUPPORT |
| | SQ. FT. | EACH | FOOT |
| STA. 1074+05, RT. | 8.5 | | 14.0 |
| STA. 1075+95, RT. | 5.0 | | 12.5 |
| STA. 1079+00, RT. | 4.0 | | 12.0 |
| FULTON LANE | 9.0 | | 13.0 |
| BUCHANAN STREET | 9.0 | | 13.0 |
| STA. 1083+60, RT. | 4.0 | | 12.0 |
| STA. 1085+35, LT. | 4.0 | | 12.0 |
| FREMONT STREET | 9.0 | | 13.0 |
| STA. 1092+40, LT. | 4.0 | | 12.0 |
| STA. 1095+45, LT. | 5.0 | | 12.5 |
| STA. 1098+00, LT. | | 1 | 15.0 |
| TOTAL | 61.5 | 1 | 141.0 |

| MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | | |
|--|-------------|---------------------|
| LOCATION | SOLID WHITE | SKIP-DASH (2' / 6') |
| | FOOT | FOOT |
| STA. 1078+95.4 TO STA. 1080+75.4 RT. | | 138 |
| STA. 1080+75.4 TO STA. 1081+90 RT. | 115 | |
| STA. 1082+61 TO STA. 1083+76.28 | 115 | |
| STA. 1083+76.28 TO STA. 1085+46.47 LT. & RT. | | 264 |
| STA. 1085+46.47 TO STA. 1086+61 RT. | 115 | |
| STA. 1087+66 TO STA. 1090+11 LT. | 245 | |
| STA. 1090+11 TO STA. 1092+51 LT. | | 180 |
| SUB-TOTAL | 590 | 582 |
| TOTAL | | 1172 |

| THERMOPLASTIC PAVEMENT MARKING - LINE 5" | |
|--|--------------|
| LOCATION | SOLID YELLOW |
| | FOOT |
| STA. 0+46 TO STA. 0+66 (BUCHANAN STREET) | 40 |
| STA. 0+46 TO STA. 0+88 (FULTON LANE) | 86 |
| STA. 0+43 TO STA. 1+01 (FREMONT STREET) | 116 |
| TOTAL | 242 |

| STRIP REFLECTIVE CRACK CONTROL TREATMENT | |
|--|----------|
| LOCATION | QUANTITY |
| | FOOT |
| STA. 1075+95.16 TO STA. 1095+51 LT. | 1956 |
| STA. 1075+95.16 TO STA. 1086+68 RT. | 1073 |
| STA. 1087+91 TO STA. 1095+51 RT. | 760 |
| TOTAL | 3789 |

| PIPE CULVERT | | | |
|----------------------------------|----------------------------------|-------------------------|----------------------|
| LOCATION | PIPE CULVERT CLASS D TYPE 1, 15" | METAL END SECTIONS, 15" | PIPE CULVERT REMOVAL |
| | FOOT | EACH | FOOT |
| STA. 1093+04 LT. | | 1 | |
| STA. 1093+04 TO STA. 1093+48 LT. | 44 | | 38 |
| STA. 1093+48 LT. | | 1 | |
| STA. 1093+11 RT. | | 1 | |
| STA. 1093+11 TO STA. 1093+51 RT. | 40 | | 30 |
| STA. 1093+51 RT. | | 1 | |
| TOTAL | 84 | 4 | 68 |

| LIGHTING | | | | | | | | |
|---------------------------------|----------------------------------|--|--|--|---|--|--|--|
| LOCATION | ELECTRIC SERVICE INSTALLATION | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA. | UNIT DUCT, 600V, 2-1C NO. 8 GROUND, (XLP-TYPE), 3/4" DIA. POLYETHYLENE | LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT 250 WATT | LIGHTING CONTROLLER POLE MOUNTED 240 VOLT, 60 AMP | LIGHT POLE, ALUMINIUM, 45' M. H., 15' DAVIT ARM | LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6' | BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN |
| | EACH | FOOT | FOOT | EACH | EACH | EACH | EACH | EACH |
| STA. 1078+45 TO STA. 1090+96.99 | | | 2907 | | | | | |
| STA. 1081+23 | | 52 | | | | | | |
| STA. 0+46 (FULTON LANE) | | 41 | | | | | | |
| STA. 1082+95 | | 52 | | | | | | |
| STA. 1084+22.3 (F. E.) | | 34 | | | | | | |
| STA. 0+79 (FREEMONT STREET) | | 51 | | | | | | |
| STA. 1087+37.5 (C. E.) | | 41 | | | | | | |
| STA. 1082+95 | 1 | | | | 1 | | | |
| STA. 1078+45 | | | | 1 | | 1 | 1 | 4 |
| STA. 1080+03 | | | | 1 | | 1 | 1 | 4 |
| STA. 1081+63 | | | | 1 | | 1 | 1 | 4 |
| STA. 1082+59 | | | | 1 | | 1 | 1 | 4 |
| STA. 1083+92 | | | | 1 | | 1 | 1 | 4 |
| STA. 1085+25 | | | | 1 | | 1 | 1 | 4 |
| STA. 1086+58 | | | | 1 | | 1 | 1 | 4 |
| STA. 1087+77 | | | | 1 | | 1 | 1 | 4 |
| STA. 1089+37 | | | | 1 | | 1 | 1 | 4 |
| STA. 1090+96.99 | | | | 1 | | 1 | 1 | 4 |
| TOTAL | 1 | 271 | 2907 | 10 | 1 | 10 | 10 | 40 |

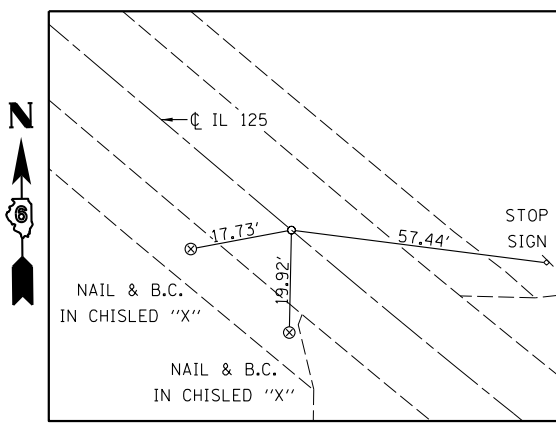
| STONE RIPRAP, CLASS B3 | |
|-------------------------------------|----------|
| LOCATION | QUANTITY |
| | TON |
| STA. 1083+70.1 TO STA. 1083+83.3 RT | 5 |
| STA. 1083+84.7 TO STA. 1083+98.3 LT | 5 |
| TOTAL | 10 |

EXIST. CURVE 163
 PI STA. = 1+34.93
 $\Delta = 16^\circ 10' 57''$ (RT)
 D = 16' 11" 50"
 R = 353.74'
 T = 50.29'
 L = 99.91'
 E = 3.56'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 0+84.64
 P.T. STA. = 1+84.55

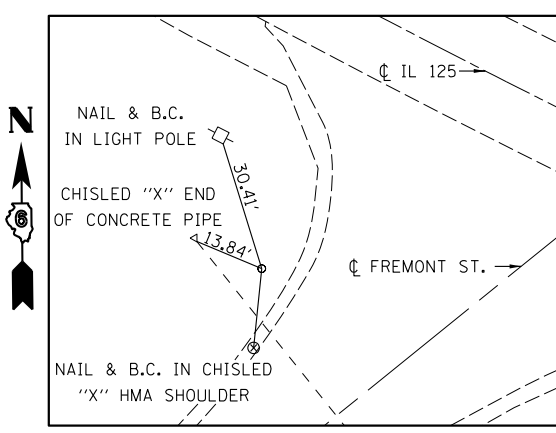
EXIST. CURVE 160
 PI STA. = 1086+86.38
 $\Delta = 25^\circ 29' 51''$ (LT)
 D = 2' 30" 05"
 R = 2,290.55'
 T = 518.25'
 L = 1,019.33'
 E = 57.90'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 1081+68.13
 P.T. STA. = 1091+87.46

EXIST. CURVE 370
 PI STA. = 1+75.69
 $\Delta = 39^\circ 47' 07''$ (RT)
 D = 22' 59" 25"
 R = 249.22'
 T = 90.18'
 L = 173.05'
 E = 15.81'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 0+85.51
 P.T. STA. = 2+58.57

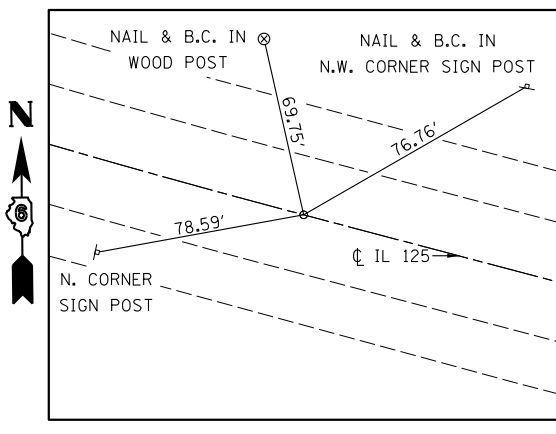
EXIST. CURVE TM103
 PI STA. = 2+43.72
 $\Delta = 38^\circ 26' 56''$ (RT)
 D = 20' 39" 42"
 R = 277.30'
 T = 96.70'
 L = 186.09'
 E = 16.38'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 1+47.02
 P.T. STA. = 3+33.11



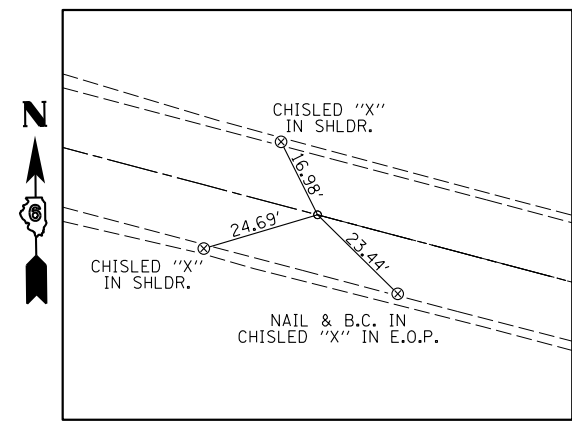
PC STA. 1081+68.13
 PK IN CHISLED "X"



PI STA. 1086+86.38
 PK IN CHISLED "X"



PT STA. 1091+87.46
 PK IN CHISLED "X"



POT STA. 1099+98.54 = STA. 18+36.74
 PK IN CHISLED "X"

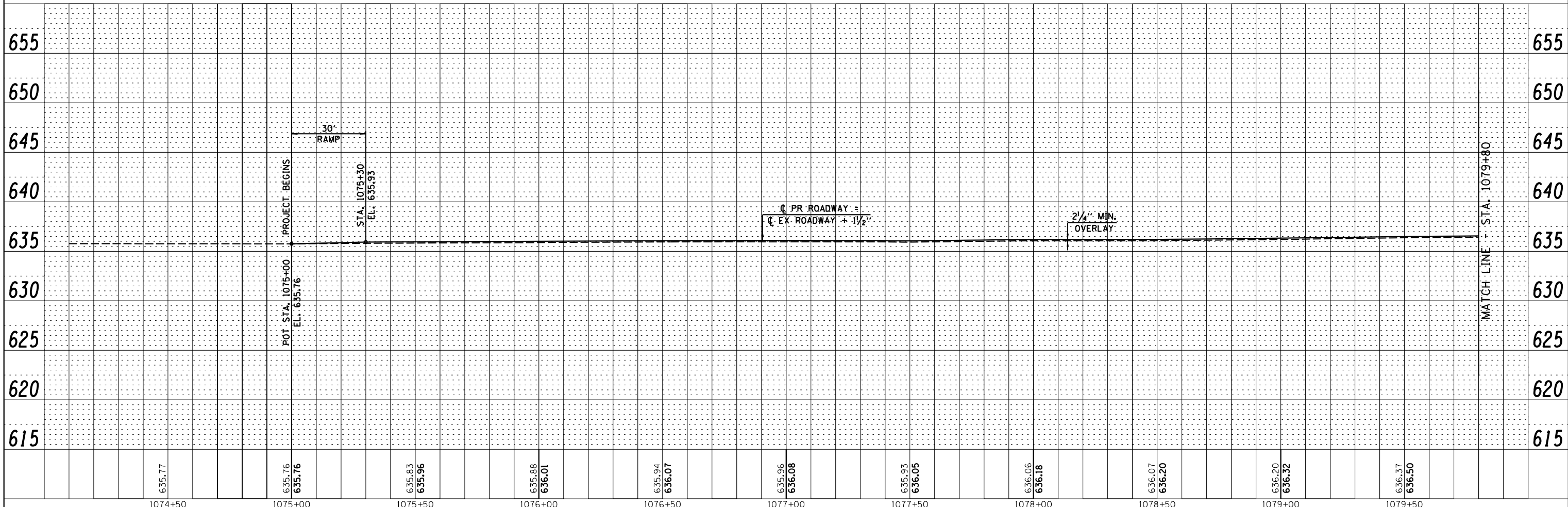
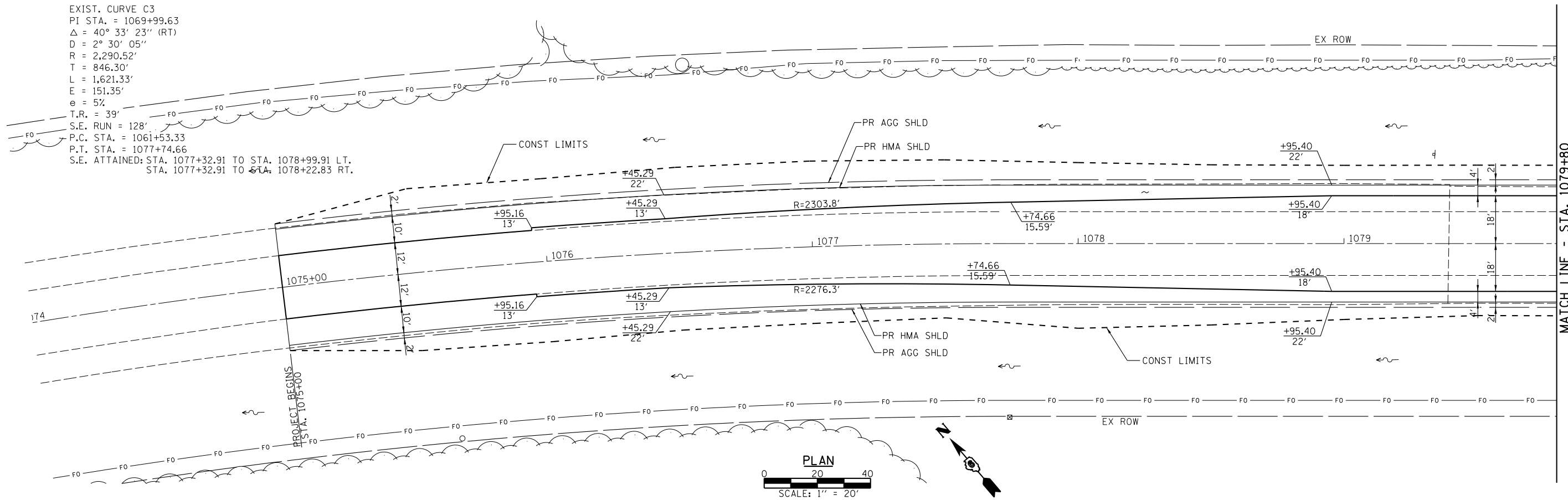
ALIGNMENT

BENCHMARK DA-6: CHISELD "□" IN CENTER OF NORTH CONCRETE HEADWALL CULVERT UNDER IL 125 NEAR THE S.W. LOT OF BRANDT CONSOLIDATED. 0.65 MILE EAST ALONG IL 125 WEST OF JUNCTION OF IL 123. STA. 1083+92.88, 42.47' LT. EL. 636.44

EXIST. CURVE C3
 PI STA. = 1069+99.63
 $\Delta = 40^\circ 33' 23''$ (RT)
 $D = 2^\circ 30' 05''$
 $R = 2,290.52'$
 $T = 846.30'$
 $L = 1,621.33'$
 $E = 151.35'$
 $e = 5\%$
 $T.R. = 39'$
 $S.E. RUN = 128'$
 $P.C. STA. = 1061+53.33$
 $P.T. STA. = 1077+74.66$
 $S.E. ATTAINED: STA. 1077+32.91 TO STA. 1078+99.91 LT.$
 $STA. 1077+32.91 TO STA. 1078+22.83 RT.$

| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | FILED | |
| | NO. | |

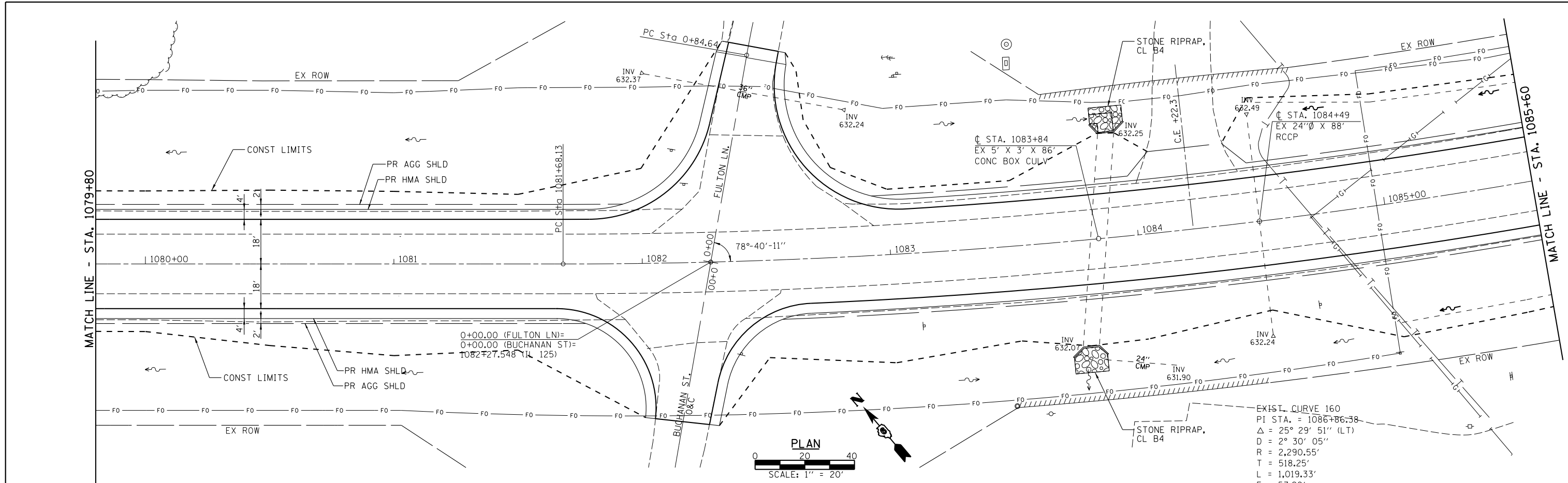
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| | PLOTTED | BY |
| | CHECKED | |
| | FILED | |
| | NO. | |



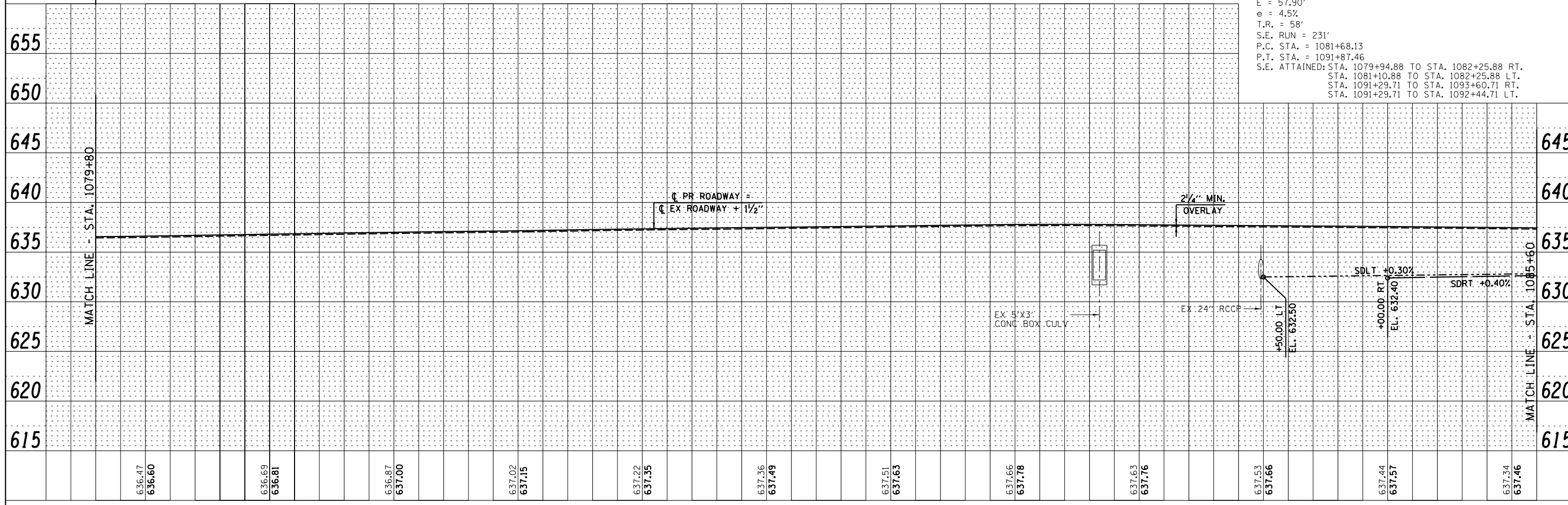
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|----------------------|------------|-----------|---|---|----------------|-------------|------------------|--------|--------------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PLAN & PROFILE SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 1075+00 TO STA. 1079+80 | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = *SCALE* | CHECKED - | REVISED - | | 67 | 3 (N, L, RS-3) | CASS | 64 | 16 | CONTRACT NO. 72075 | |
| PLOT DATE = *DATE* | DRAWN - | REVISED - | | FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | | | |
| | CHECKED - | REVISED - | | | | | | | | |

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|------|----------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | ALIGNED | | |
| | CHECKED | | |
| | FILED | | |
| | CADD FILE NAME | | |
| | NO. | | |

| | | | |
|---------|----------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | STRUCTURE | | |
| | NOTATIONS CHFD | | |
| | NO. | | |



EXIST. CURVE 160
 PI STA. = 1086+86.38
 $\Delta = 25^\circ 29' 51''$ (LT)
 $D = 2^\circ 30' 05''$
 $R = 2,290.55'$
 $T = 518.25'$
 $L = 1,019.33'$
 $E = 57.90'$
 $e = 4.5\%$
 $T.R. = 58'$
 $S.E. RUN = 231'$
 P.C. STA. = 1081+68.13
 P.T. STA. = 1091+87.46
 S.E. ATTAINED: STA. 1079+94.88 TO STA. 1082+25.88 RT.
 STA. 1081+10.88 TO STA. 1082+25.88 LT.
 STA. 1091+29.71 TO STA. 1093+60.71 RT.
 STA. 1091+29.71 TO STA. 1092+44.71 LT.



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|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| | CHECKED - | REVISED - |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - |
| PLOT DATE = *DATE* | CHECKED - | REVISED - |

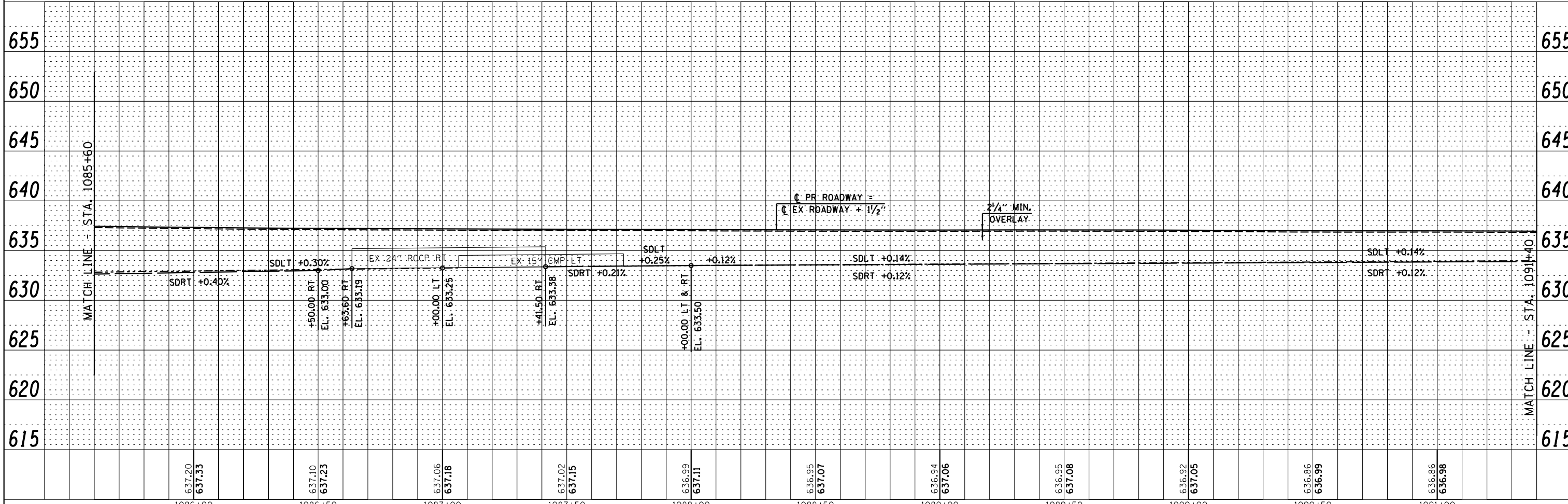
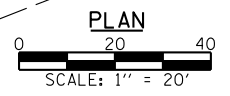
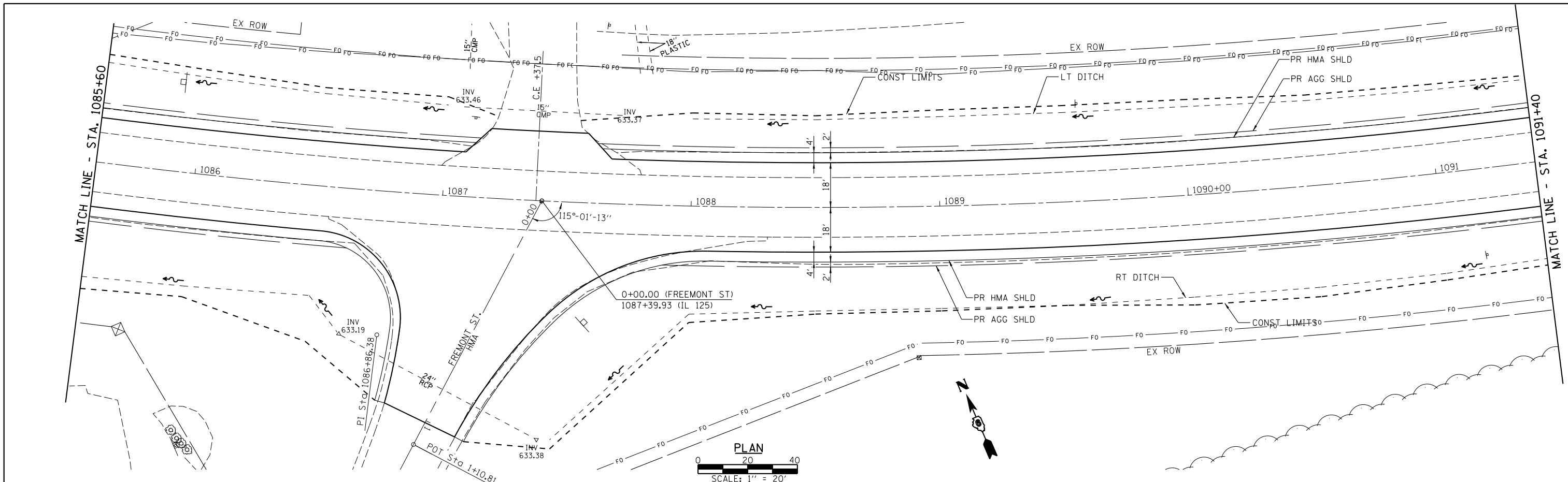
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 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

| | | |
|-----------------|-------------------------|------------------------------|
| PLAN & PROFILE | | |
| SCALE: 1" = 20' | SHEET NO. 2 OF 5 SHEETS | STA. 1079+80 TO STA. 1085+60 |

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 17 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | ALIGNED | | |
| | FILED | | |
| | CADD FILE NAME | | |
| | NO. | | |

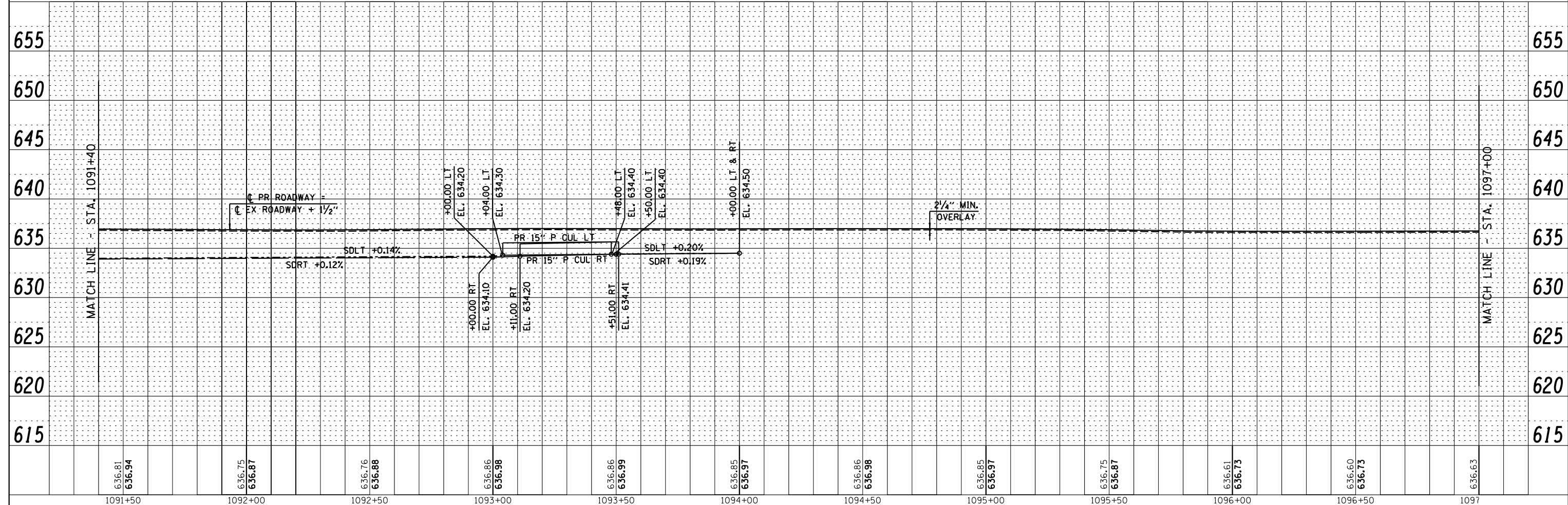
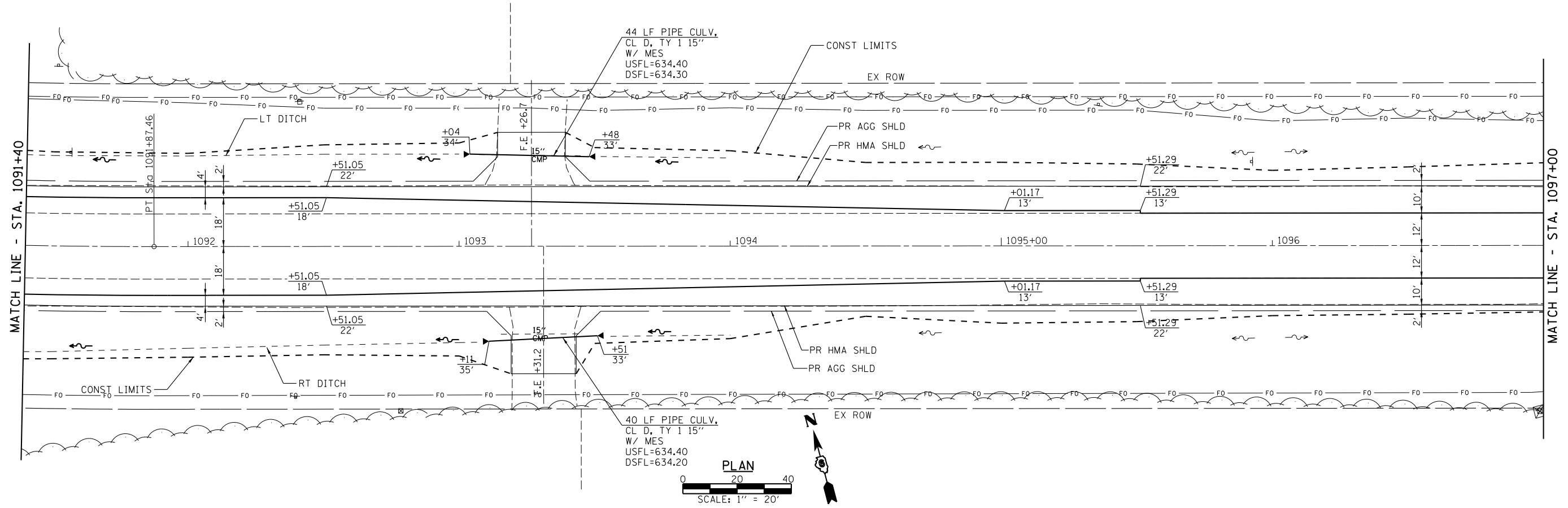
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| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | GRADES | | |
| | STRUCTURE | | |
| | NOTATIONS | | |
| | CHFD | | |
| | NO. | | |



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|----------------------|------------|-----------|--|---------------------------|-------------------------|------------------------------|---------------------------|----------------|--------------|-----------|----|
| USER NAME = *USER* | DESIGNED - | REVISED - | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PLAN & PROFILE | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| CHECKED - | REVISED - | REVISED - | | SCALE: 1" = 20' | SHEET NO. 3 OF 5 SHEETS | STA. 1085+60 TO STA. 1091+40 | 67 | 3 (N, L, RS-3) | CASS | 64 | 18 |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | CONTRACT NO. 72075 | | | ILLINOIS FED. AID PROJECT | | | | |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | | | | | | | | |


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| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | ALIGNED | |
| | CAD FILE NAME | |
| | NO. | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | STRUCTURE | |
| | NOTATIONS | |
| | CHFD | |
| | NO. | |



| | | | | | | | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------|
| 1091+50 | 1092+00 | 1092+50 | 1093+00 | 1093+50 | 1094+00 | 1094+50 | 1095+00 | 1095+50 | 1096+00 | 1096+50 | 1097 |
| 636.81 636.94 | 636.75 636.87 | 636.76 636.88 | 636.86 636.98 | 636.86 636.99 | 636.85 636.97 | 636.86 636.98 | 636.85 636.97 | 636.75 636.87 | 636.61 636.73 | 636.60 636.75 | 636.63 |

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| USER NAME = *USER* | DESIGNED - | REVISED - |
| | CHECKED - | REVISED - |
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| PLOT DATE = *DATE* | CHECKED - | REVISED - |

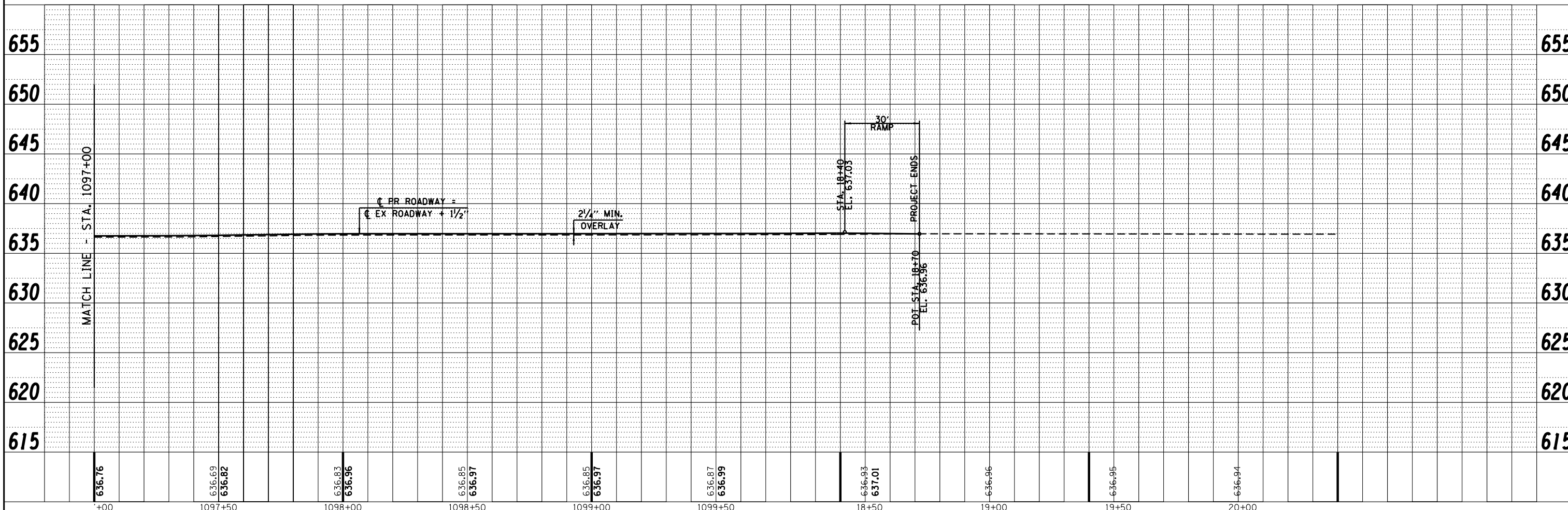
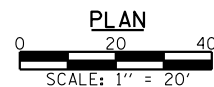
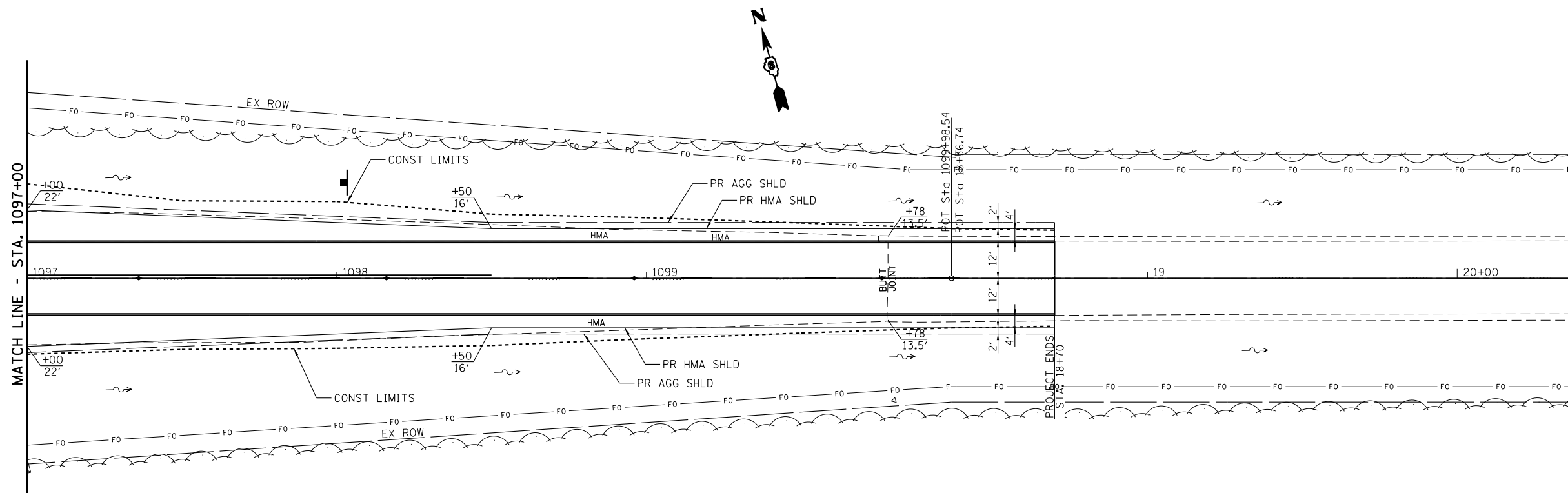

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 No. 184-001907

| | | |
|---------------------------|-------------------------|------------------------------|
| PLAN & PROFILE | | |
| SCALE: 1" = 20' | SHEET NO. 4 OF 5 SHEETS | STA. 1091+40 TO STA. 1097+00 |

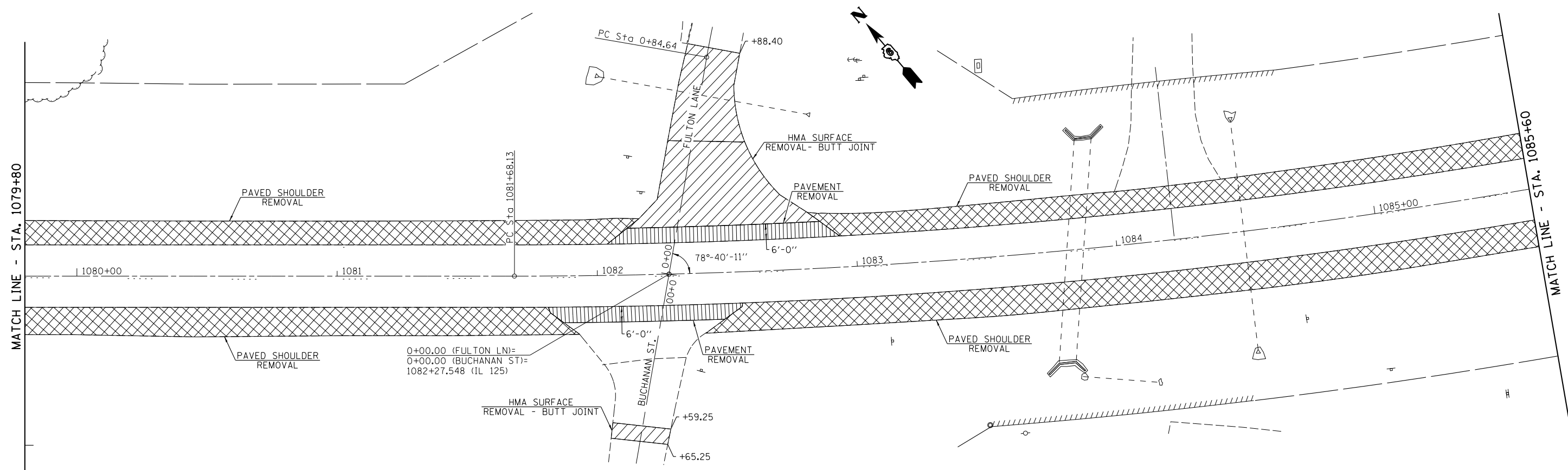
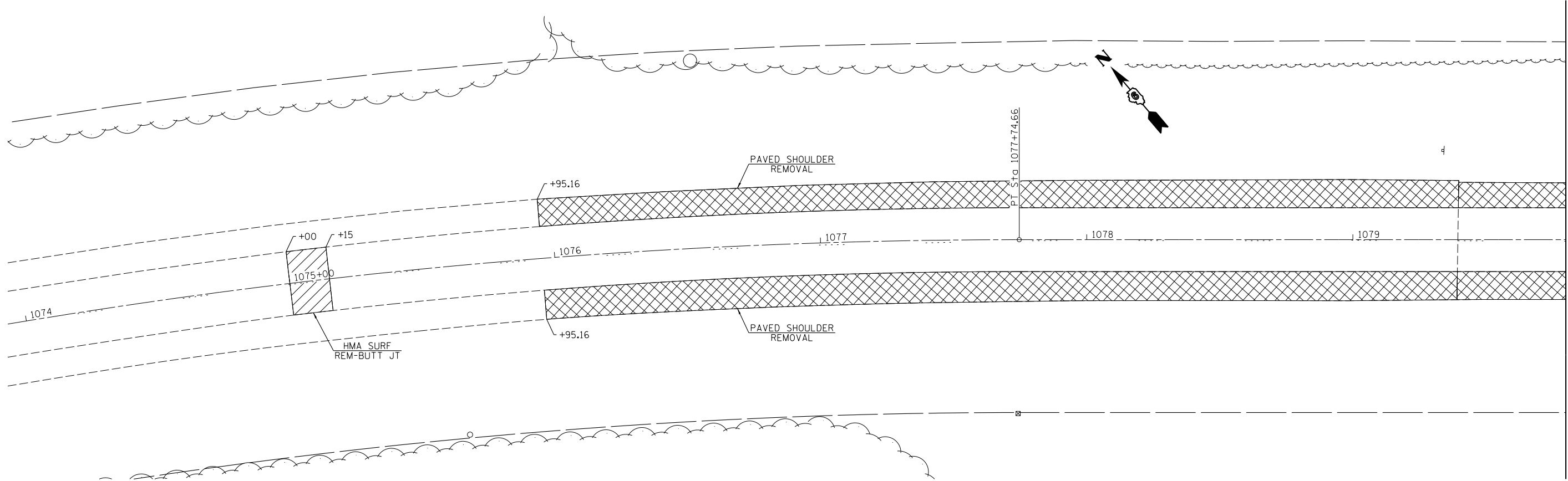
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|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 19 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | ALIGNED | |
| | FILED | |
| | FILE NAME | |
| | NO. | |

| | | |
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | GRADES | |
| | STRUCTURE | |
| | NOTATIONS | |
| | CHFD | |
| | NO. | |



| | | | | | | | | | | | | |
|-------------|----------------------|------------|----------|--|--|--|--|-------------|----------------|---------------------------|--------------|-----------|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISD - | | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PLAN & PROFILE | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILEL* | PLOT SCALE = *SCALE* | CHECKED - | REVISD - | | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 20 |
| | PLOT DATE = *DATE* | DRAWN - | REVISD - | | | SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. 1097+00 TO STA. 18+70 | | | | CONTRACT NO. 72075 | | |
| | | CHECKED - | REVISD - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | |



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| USER NAME = *USER* | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = *SCALE* | CHECKED - | REVISED - |
| PLOT DATE = *DATE* | DATE - | REVISED - |

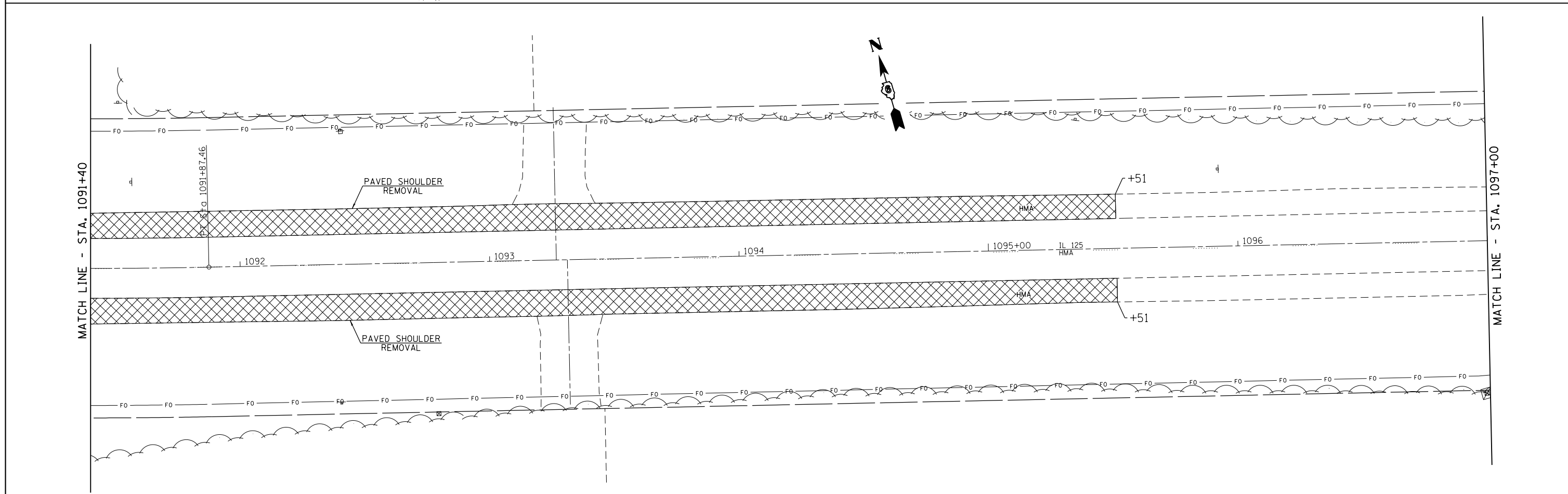
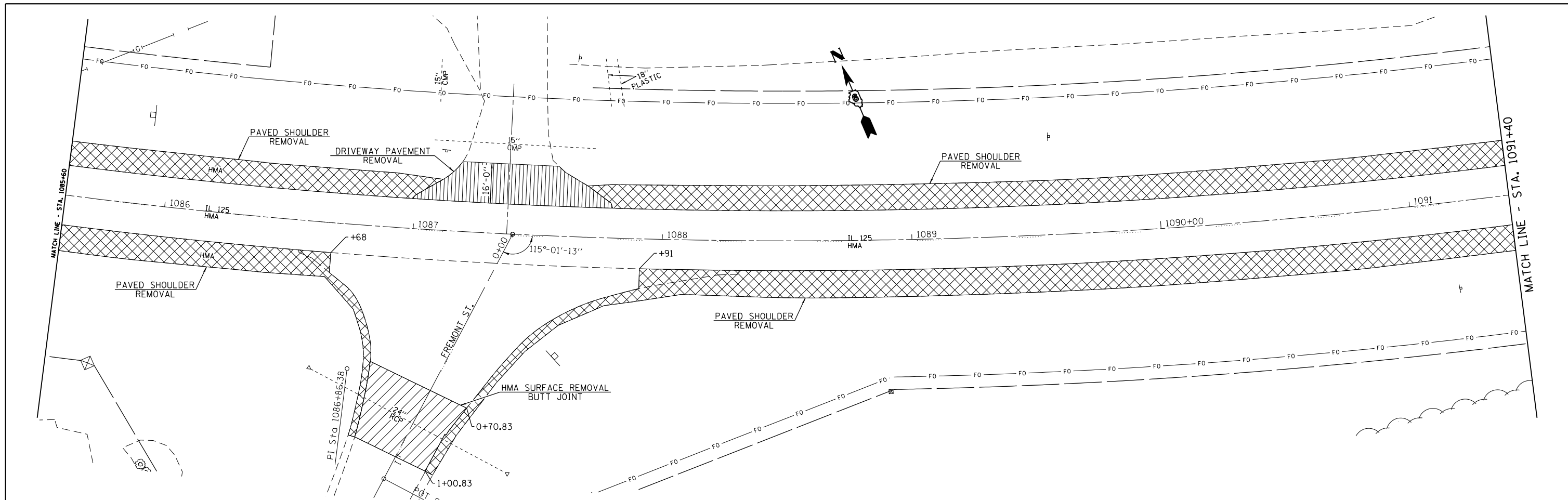



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 No. 184-001907

REMOVAL PLAN

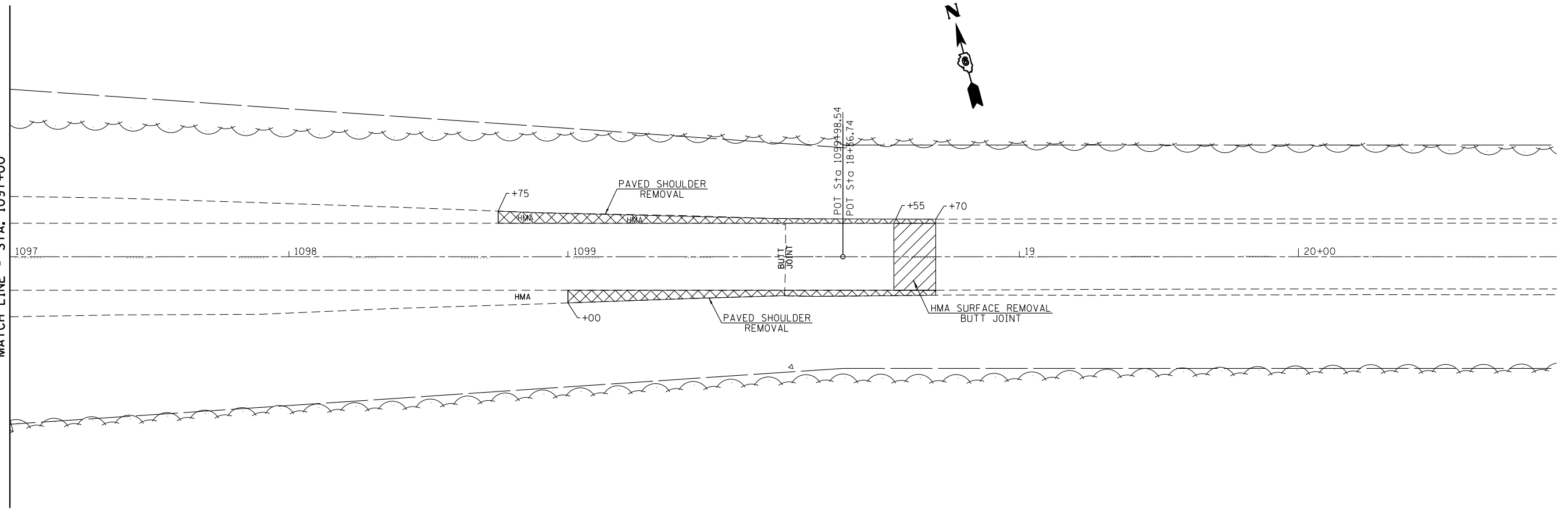
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|--|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N, L, RS-3) | CASS | 64 | 21 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



| | | | | | | | | | | | |
|------------------------------------|------------|-----------|--|---|-------------------------|----------------|------------------------|-------------|-----------------|--------------|--|
| USER NAME = sparksgw | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | REMOVAL PLAN | | F.A.P. RTE. 67 | SECTION 3 (N, L, RS-3) | COUNTY CASS | TOTAL SHEETS 64 | SHEET NO. 22 | |
| PLOT SCALE = 40.0000' / in. | DRAWN - | REVISED - | | SCALE: 1" = 20' | SHEET NO. 2 OF 3 SHEETS | STA. TO STA. | CONTRACT NO. 72D75 | | | | |
| PLOT DATE = Oct-11-2012 09:18:21AM | CHECKED - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | DATE - | REVISED - | | | | | | | | | |

MATCH LINE - STA. 1097+00



| | | |
|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = *SCALE* | CHECKED - | REVISED - |
| PLOT DATE = *DATE* | DATE - | REVISED - |

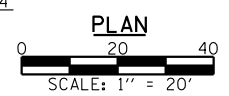
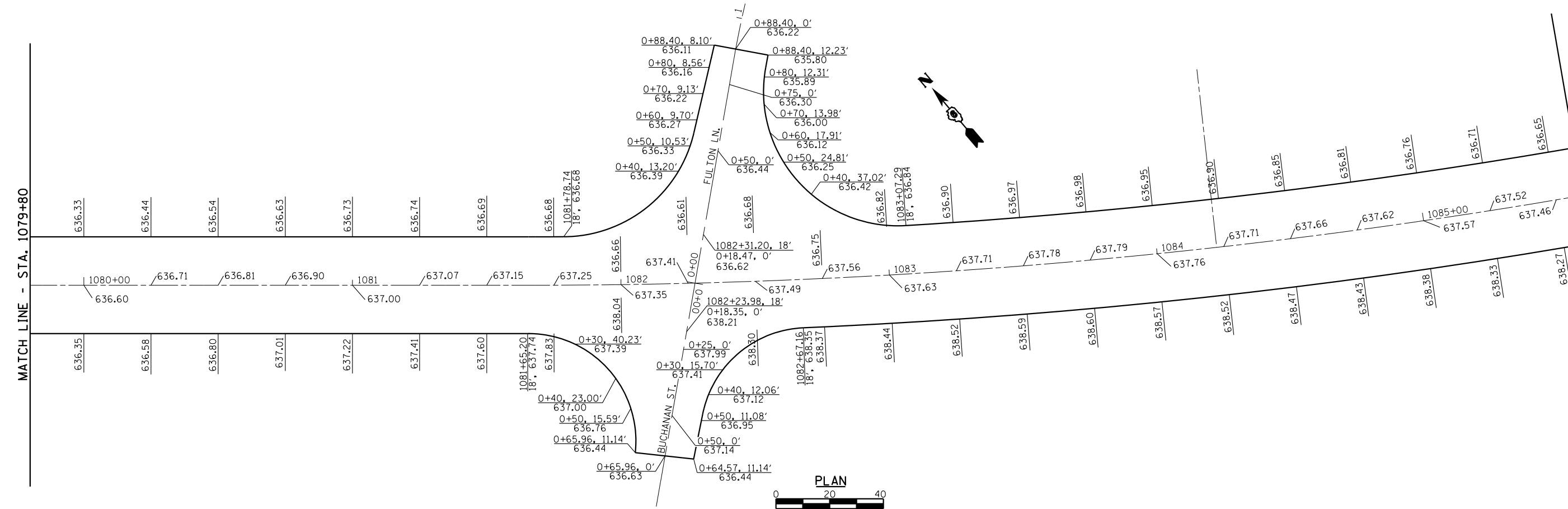
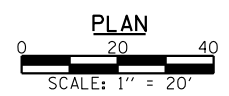
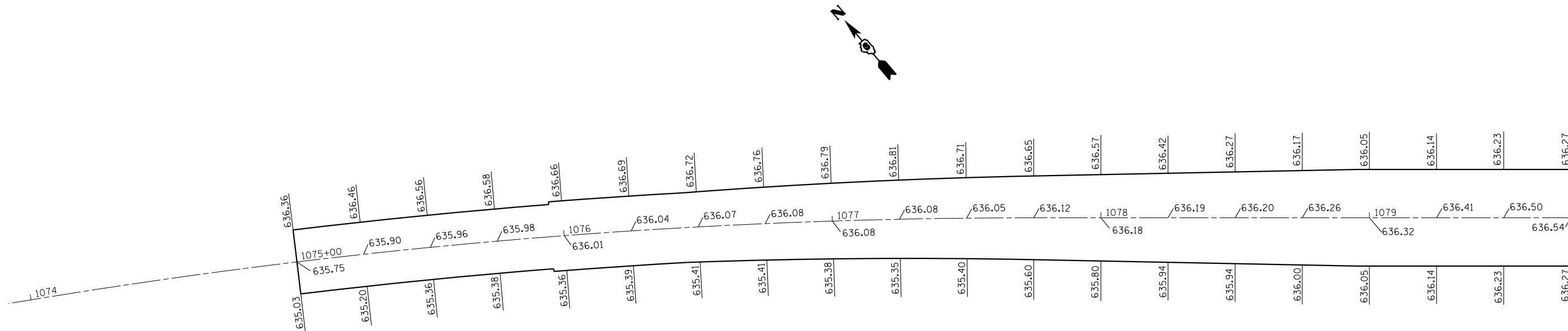


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 No. 184-001907

REMOVAL PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 23 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



MATCH LINE - STA. 1079+80

MATCH LINE - STA. 1079+80

MATCH LINE - STA. 1085+60

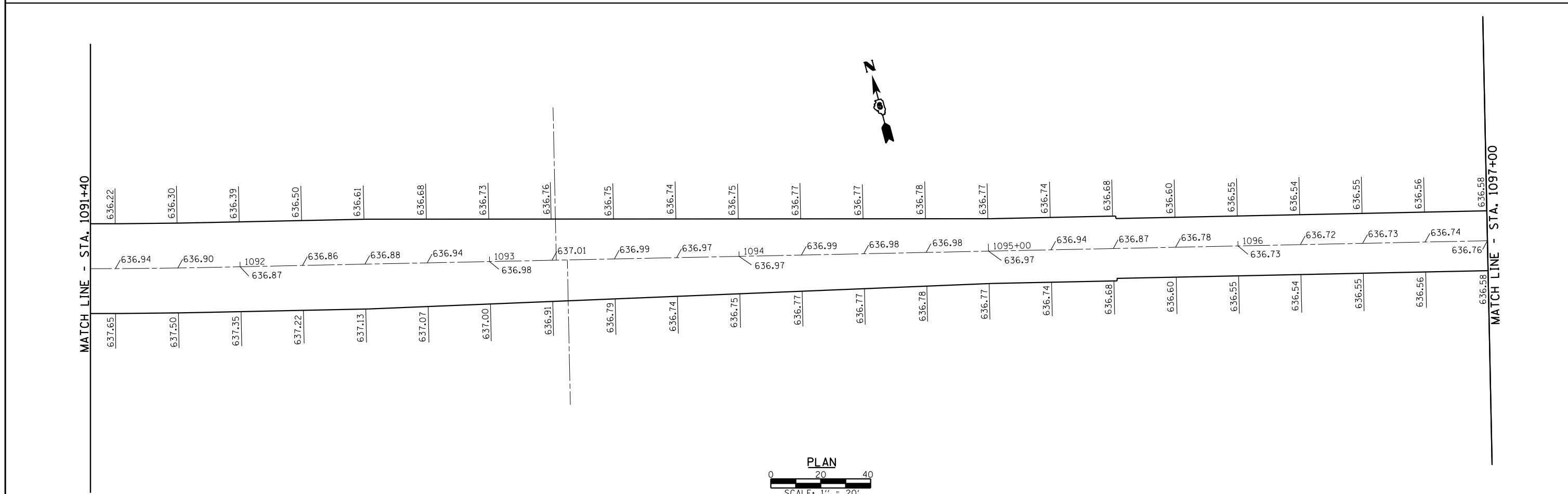
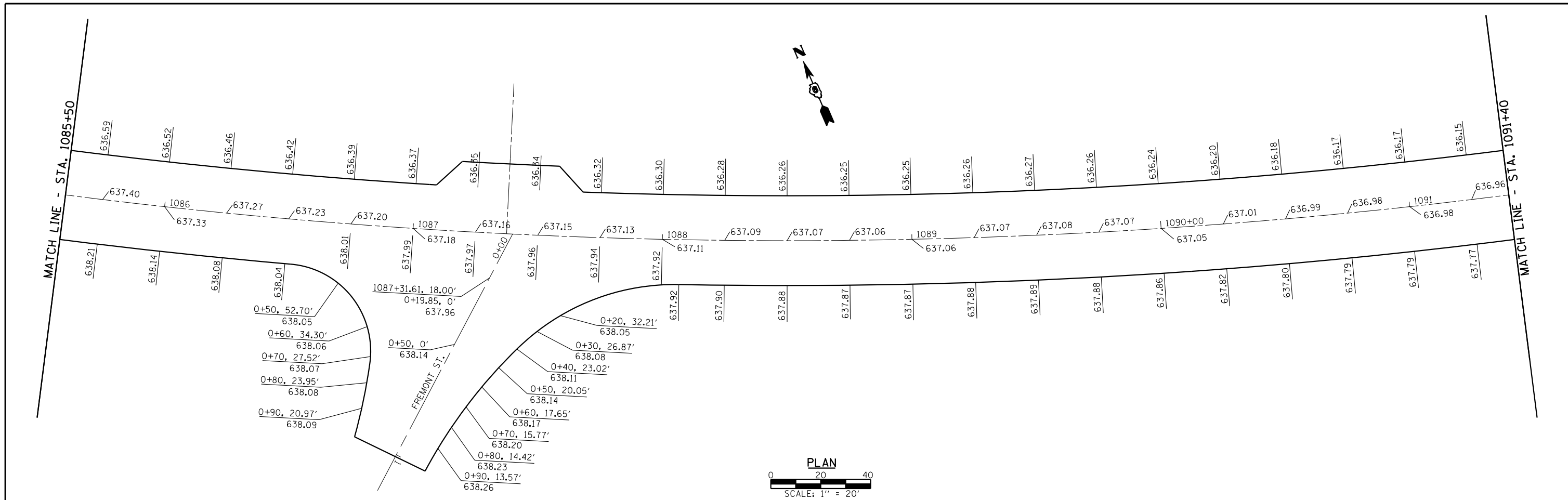
| | | |
|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - |
| PLOT DATE = *DATE* | CHECKED - | REVISED - |
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 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

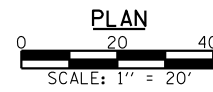
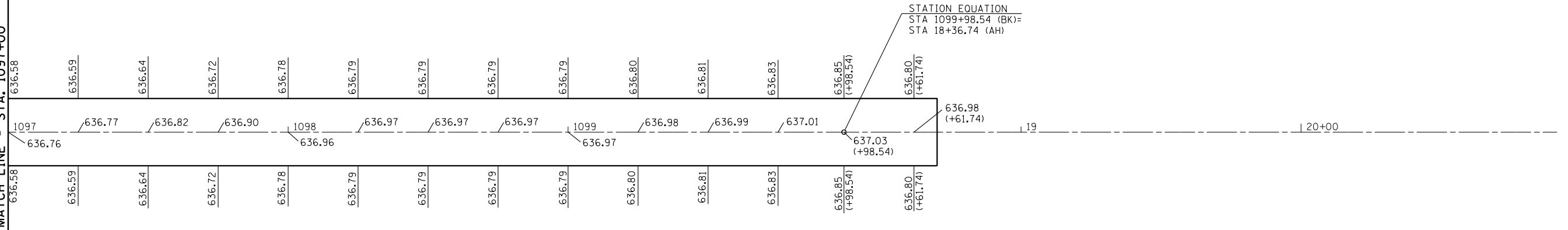
| PAVEMENT ELEVATIONS | | | |
|---------------------|-------------------------|------|---------|
| SCALE: 1" = 20' | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA. |

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N, L, RS-3) | CASS | 64 | 24 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



| | | | | | | | | | | |
|----------------------|------------|-----------|--|--|--|--|----------------|--------|--------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PAVEMENT ELEVATIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 25 |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA. | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 72075 | | | | |
| | DATE - | REVISED - | | | | | | | | |

MATCH LINE - STA. 1097+00



| | | |
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| USER NAME = *USER* | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = *SCALE* | CHECKED - | REVISED - |
| PLOT DATE = *DATE* | DATE - | REVISED - |



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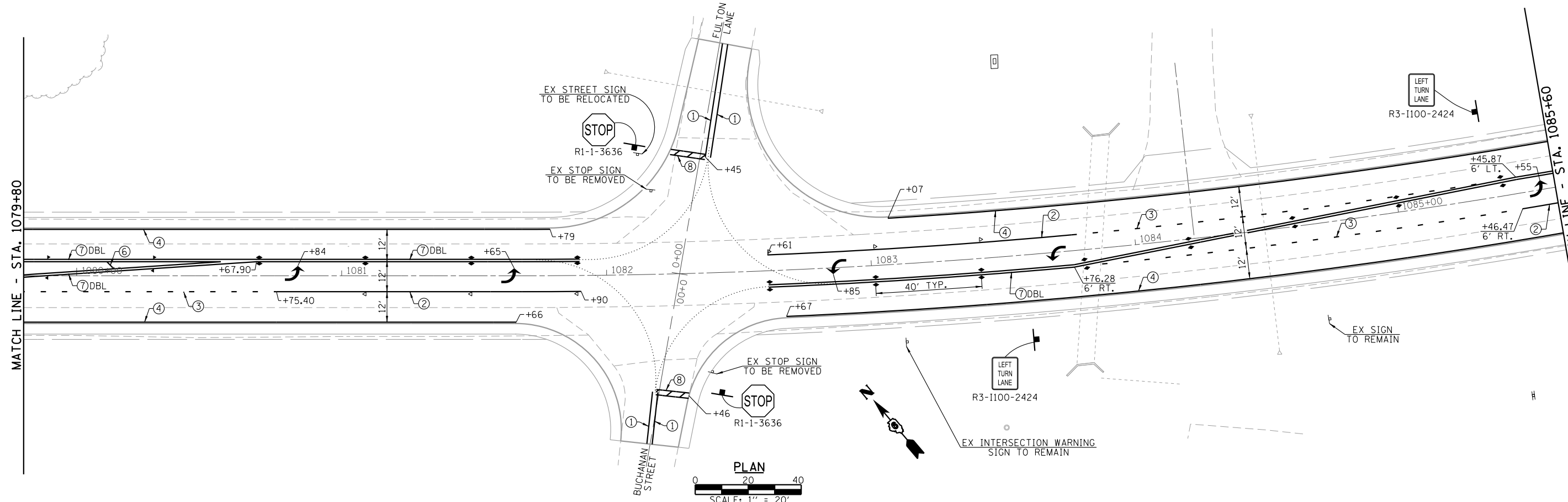
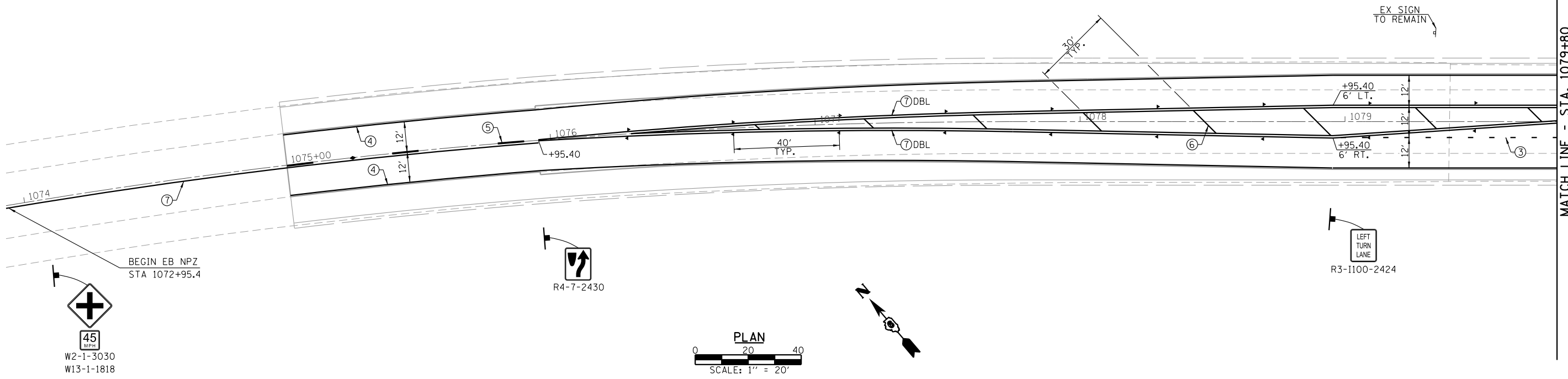
PAVEMENT ELEVATIONS

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 26 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, LINE 5" (SOLID YELLOW)
- ② MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (SOLID WHITE)
- ③ MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (2' DASH, 6' SKIP, WHITE)
- ④ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID WHITE)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (10' DASH, 30' SKIP, YELLOW)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING, LINE 12" (SOLID YELLOW)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID YELLOW)
- ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (SOLID WHITE)
- ↖ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS & SYMBOLS (WHITE)
- ◆ RAISED REFLECTIVE PAVEMENT MARKER (2 WAY AMBER)
- ◀ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY AMBER)
- ◁ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY CRYSTAL)

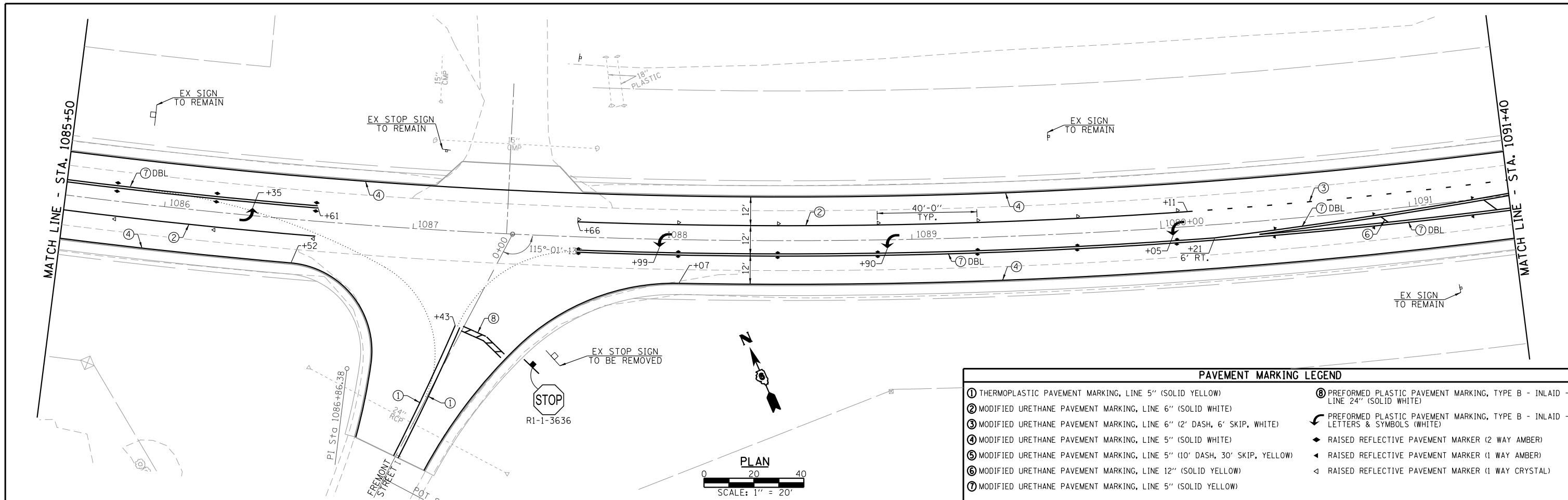


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| USER NAME = *USER* | DESIGNED - | REVISED - |
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| | DATE - | REVISED - |

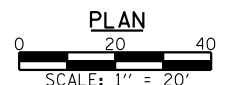
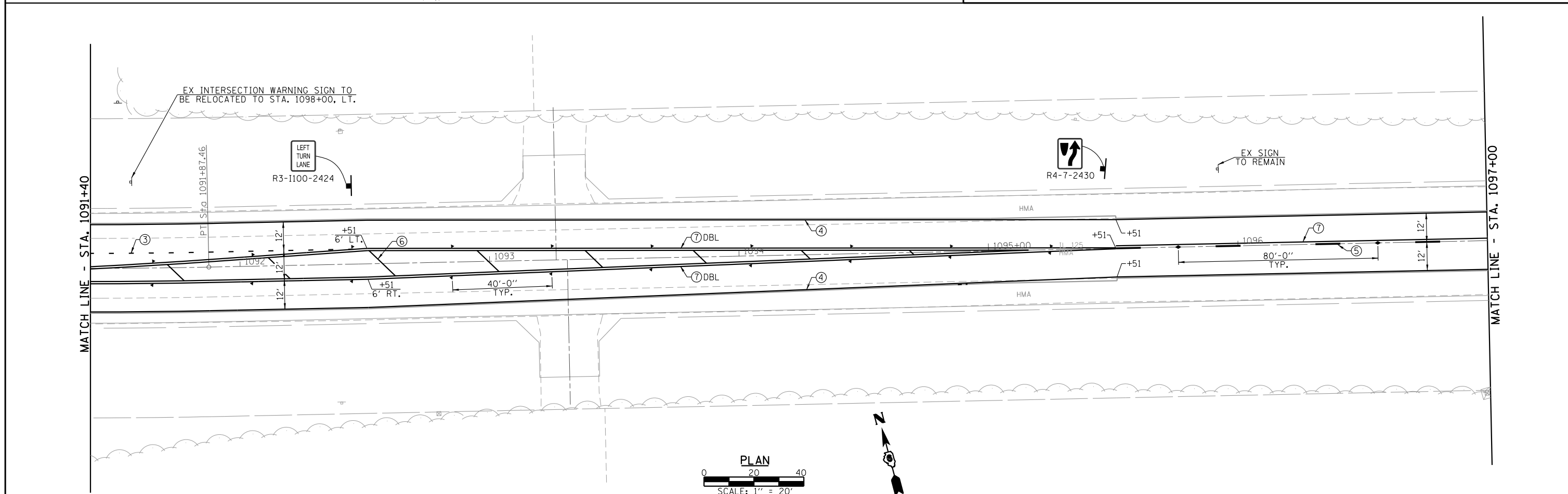
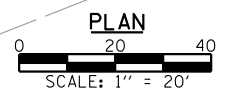
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No. 184-001907

PAVEMENT MARKING PLAN
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 10+75 TO STA. 1085+60

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N, L, RS-3) | CASS | 64 | 27 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

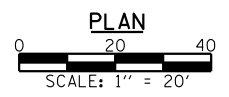
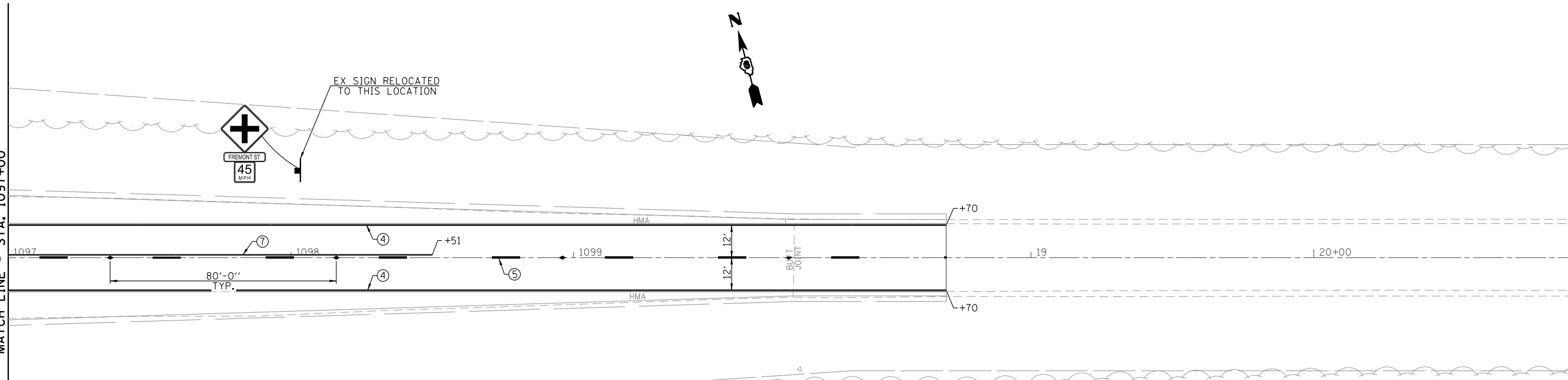


| PAVEMENT MARKING LEGEND | |
|--|---|
| ① THERMOPLASTIC PAVEMENT MARKING, LINE 5" (SOLID YELLOW) | ⑧ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (SOLID WHITE) |
| ② MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (SOLID WHITE) | ↩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS & SYMBOLS (WHITE) |
| ③ MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (2' DASH, 6' SKIP, WHITE) | ◆ RAISED REFLECTIVE PAVEMENT MARKER (2 WAY AMBER) |
| ④ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID WHITE) | ◀ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY AMBER) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (10' DASH, 30' SKIP, YELLOW) | ◁ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY CRYSTAL) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING, LINE 12" (SOLID YELLOW) | |
| ⑦ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID YELLOW) | |



| | | | | | | | | | | | | |
|---|------------|-----------|--|---|--|--|--|---------------------------|----------------|--------|--------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - | | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | PAVEMENT MARKING PLAN | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | | | | | |

MATCH LINE - STA. 1097+00



| PAVEMENT MARKING LEGEND | |
|--|---|
| ① THERMOPLASTIC PAVEMENT MARKING, LINE 5" (SOLID YELLOW) | Ⓢ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (SOLID WHITE) |
| ② MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (SOLID WHITE) | ↩ PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS & SYMBOLS (WHITE) |
| ③ MODIFIED URETHANE PAVEMENT MARKING, LINE 6" (2' DASH, 6' SKIP, WHITE) | ◆ RAISED REFLECTIVE PAVEMENT MARKER (2 WAY AMBER) |
| ④ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID WHITE) | ◀ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY AMBER) |
| ⑤ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (10' DASH, 30' SKIP, YELLOW) | ◁ RAISED REFLECTIVE PAVEMENT MARKER (1 WAY CRYSTAL) |
| ⑥ MODIFIED URETHANE PAVEMENT MARKING, LINE 12" (SOLID YELLOW) | |
| ⑦ MODIFIED URETHANE PAVEMENT MARKING, LINE 5" (SOLID YELLOW) | |

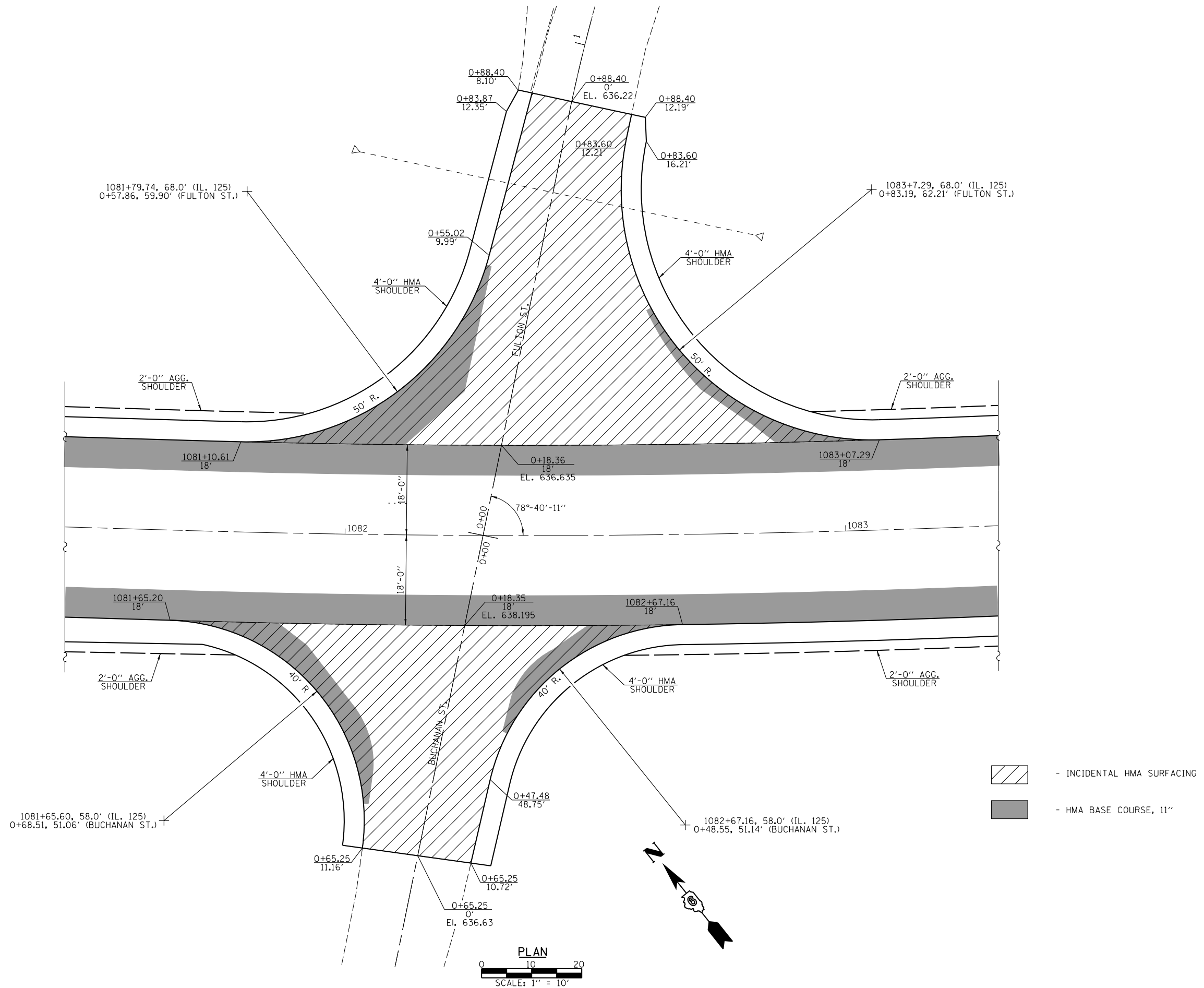
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| | DRAWN - | REVISED - |
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| PLOT DATE = *DATE* | DATE - | REVISED - |

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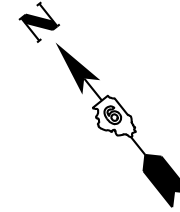
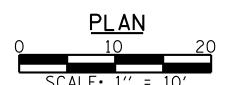
PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 10+75 TO STA. 1085+60

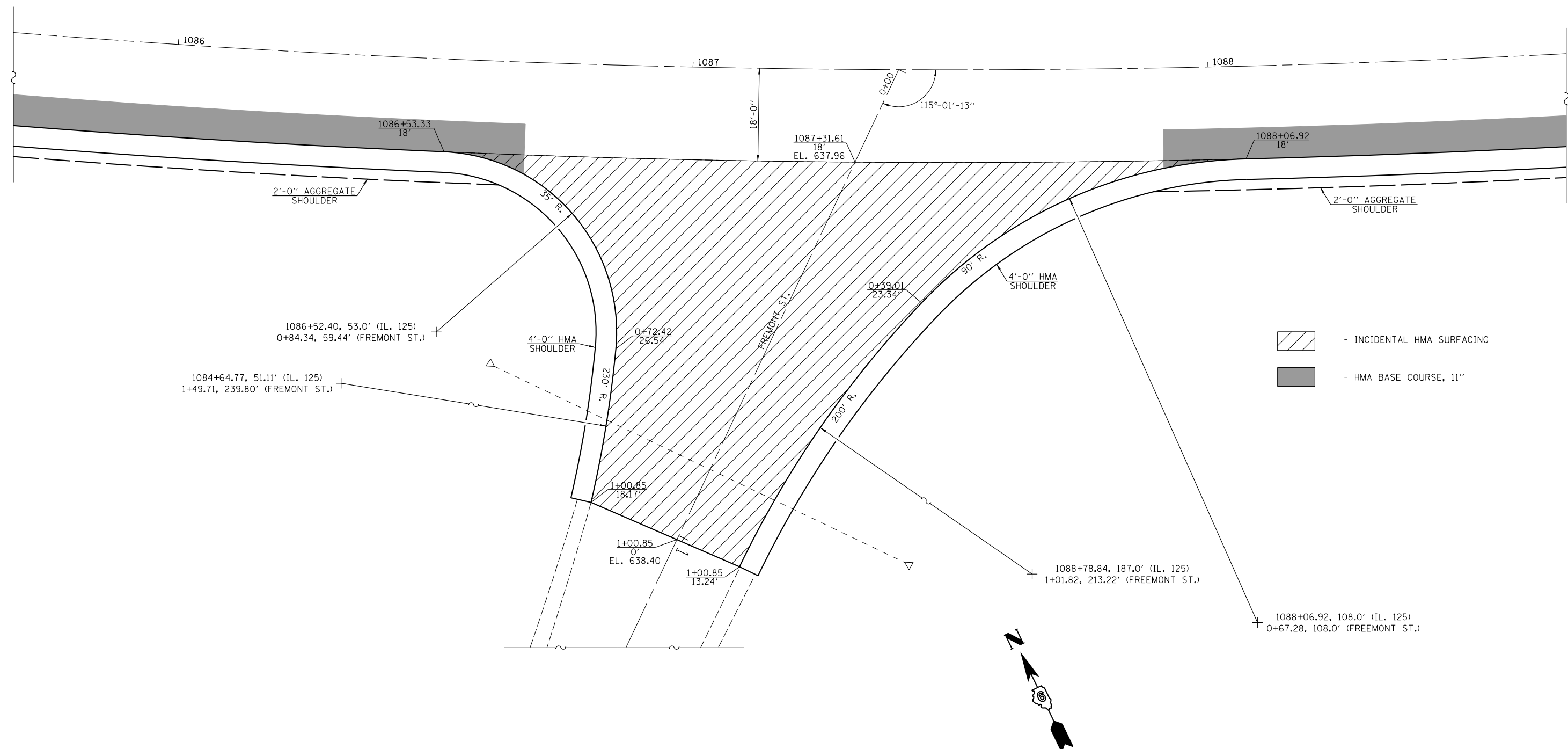
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 29 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



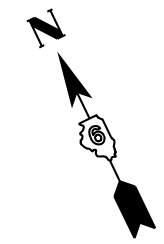
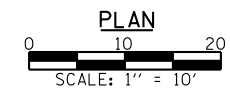
- INCIDENTAL HMA SURFACING
- HMA BASE COURSE, 11"



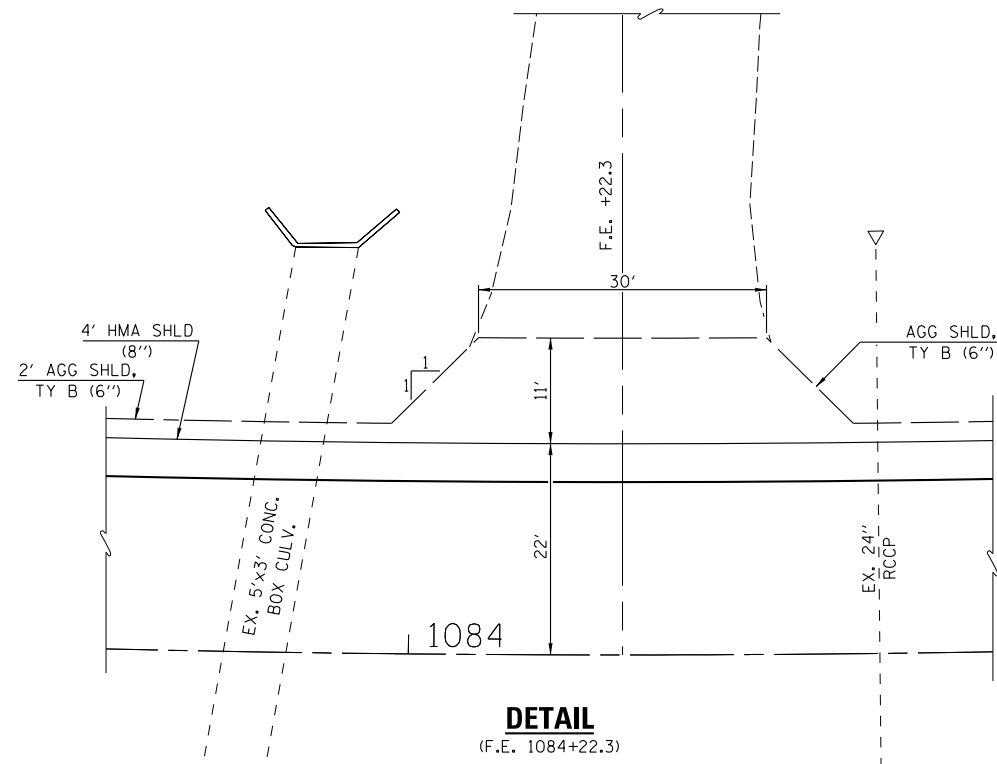
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|----------------------|--------------------|------------|-----------|--|--|-----------------------------|------|---------------------------|-------------|----------------|---|--------------|-----------|
| FILE NAME = | USER NAME = #USER* | DESIGNED - | REVISED - | | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | INTERSECTION DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILE# | | DRAWN - | REVISED - | | SCALE: 1" = 10' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA. | 67 | 3 (N, L, RS-3) | CASS | 64 | 30 |
| PLOT SCALE = #SCALE* | | CHECKED - | REVISED - | | | | | CONTRACT NO. 72075 | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | |
| PLOT DATE = \$DATE* | | DATE - | REVISED - | | | | | | | | | | |



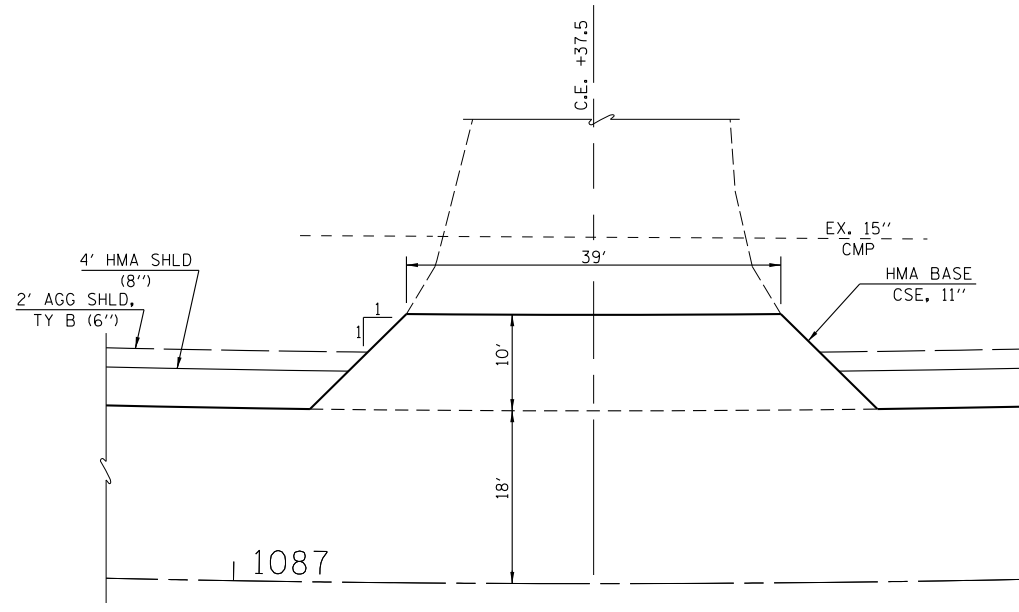
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- HMA BASE COURSE, 11"



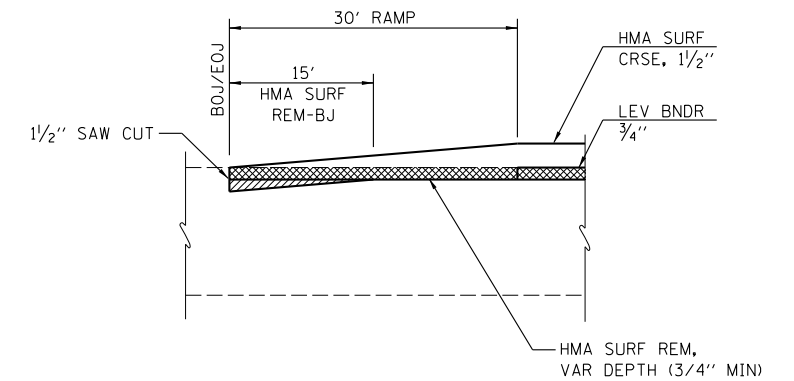
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|------------------------|----------------------|------------|-----------|--|--|-----------------------------|------|---------------------------|-------------|----------------|--------|--------------|-----------|
| FILE NAME = *FILEL* | USER NAME = *USER* | DESIGNED - | REVISED - | | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | INTERSECTION DETAILS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | SCALE: 1" = 10' | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA. | 67 | 3 (N, L, RS-3) | CASS | 64 | 31 |
| | PLOT DATE = *DATE* | CHECKED - | REVISED - | | | | | CONTRACT NO. 72075 | | | | | |
| | | DATE - | REVISED - | | | | | ILLINOIS FED. AID PROJECT | | | | | |



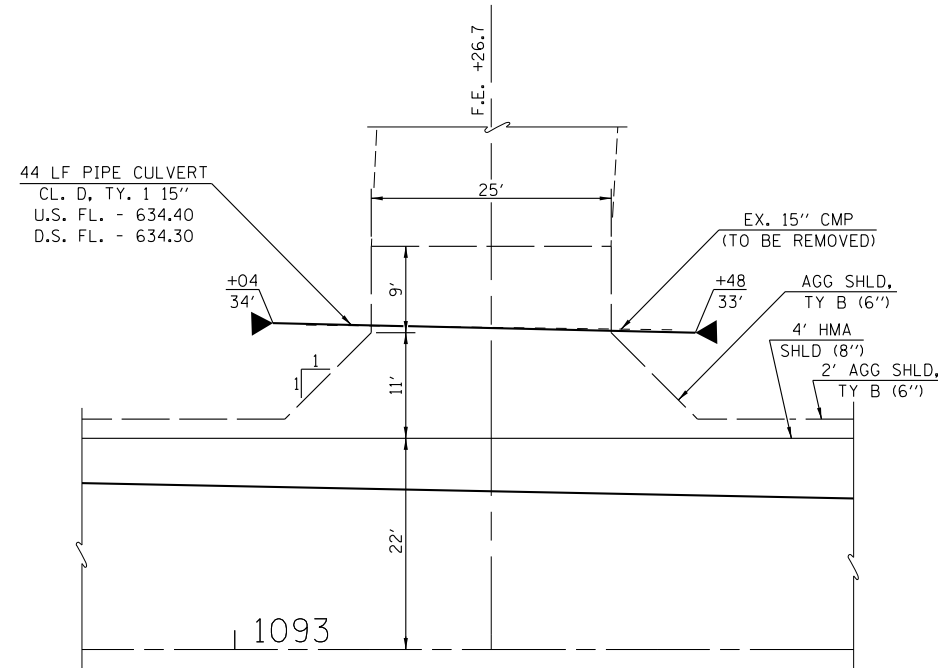
DETAIL
(F.E. 1084+22.3)



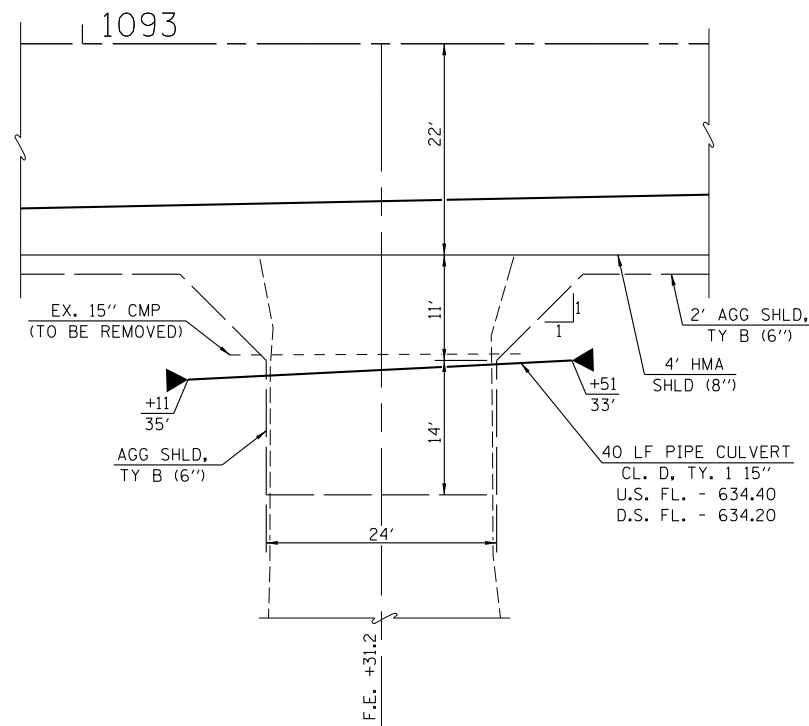
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(C.E. 1087+37.5)



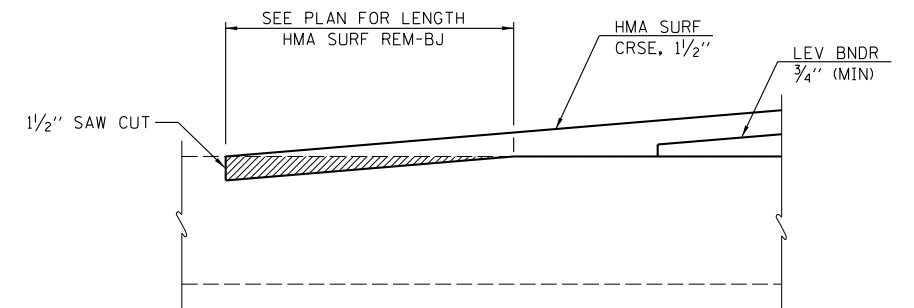
BUTT JOINT DETAILS
(MAINLINE)



DETAIL
(F.E. 1093+26.7)



DETAIL
(F.E. 1093+31.2)



BUTT JOINT DETAILS
(SIDE ROADS)

| | | |
|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - |
| PLOT DATE = *DATE* | CHECKED - | REVISED - |
| | DATE - | REVISED - |

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No. 184-001907

| | | | |
|--|-------------------------|------|---------|
| ENTRANCE & BUTT JOINT DETAILS | | | |
| SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N, L, RS-3) | CASS | 64 | 32 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP Route 67 Marked: IL 125
 Section: 3 (N), L, RS-3 Project No.: N/A
 County: Cass Contract No.: 72D75

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 _____ Issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Raja Z. Datta
 (Signature)

8-14-12
 (Date)

Deputy Director / Region 400g
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of roadway widening for turn lane and resurfacing of FAP 67 (IL 125) in Cass County.
2. Construction consists of grading, base course widening, hot mix asphalt resurfacing, placing hot mix asphalt and aggregate shoulders, and replacement and other miscellaneous work to complete improvements to the proposed roadway.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Widening, grading and shaping of ditches at project location.
2. Excavation will be completed along the section to grade out for proposed roadway ditches.
3. Embankment will be completed at shoulders to raise the existing ground elevation to meet the proposed roadway template.
4. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across entrances.
5. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, ditch checks, temporary seeding etc.
6. Placement of permanent erosion control, such as seeding, mulch and fertilizer nutrients.
7. Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area that will be disturbed by excavation, grading or other activities, is estimated to be approximately 1.2 acres.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
2. U.S.G.S. drainage maps indicating drainage patterns and approximate slopes were referenced along with project plan documents to assist in the proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

1. Little Indian Creek

| | | |
|--------------------|------------|-----------|
| USER NAME * | DESIGNED - | REVISED - |
| PLOT SCALE * | DRAWN - | REVISED - |
| PLOT DATE * #DATE* | CHECKED - | REVISED - |
| | DATE - | REVISED - |



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 No. 184-001907

| | | | |
|---------------------------------------|-------------------------|------|---------|
| STORM WATER POLLUTION PREVENTION PLAN | | | |
| SCALE: NONE | SHEET NO. 1 OF 7 SHEETS | STA. | TO STA. |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N), L, RS-3 | CASS | 64 | 33 |
| CONTRACT NO. 72D75 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in Section 280 of the Standard Specifications.
 - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in Section 280 of the Standard Specifications.
 - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - ii. Temporary seed highly erodible areas outside the construction slope limits
 - iii. Construct roadside ditches and provide temporary erosion control systems
 - iv. Temporary divert water around proposed culvert locations
 - v. Build necessary embankment at culvert locations and then excavate and place culvert
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

(f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

(g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

(h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

(i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 2200 Churchill Road, P.O. Box 19276
 Springfield, IL 62794-9276
 Attn: Compliance Assurance Section

| | | | | | | | | | | | | |
|---------------------|------------|-----------|---|--|--|-------------------------|---|---------------------------|----------------|--------|--------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |  | Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | STORM WATER POLLUTION PREVENTION PLAN | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = | CHECKED - | REVISED - | | | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 34 |
| PLOT DATE = \$DATE* | DATE - | REVISED - | | | SCALE: NONE | SHEET NO. 2 OF 7 SHEETS | STA. _____ TO STA. _____ | CONTRACT NO. 72075 | | | | |
| | | | | | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | | |

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

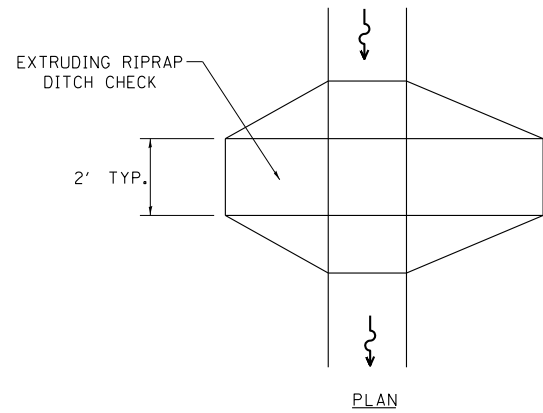
Route: FAP 67 Marked: IL 125
 Section: 3 (N), L, RS-3 Project No.: _____
 County: CASS Contract No.: 72D75

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

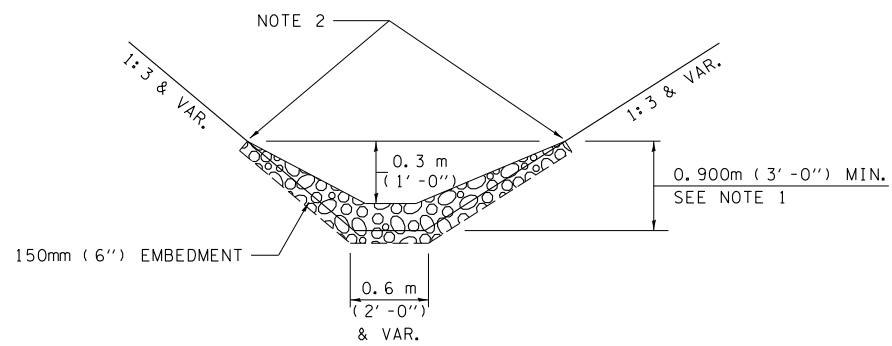
Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

| | | | | | | | | | | | |
|----------------------|------------|-----------|--|--|--|-------------------------|----------------|---------|---|-----------|--|
| USER NAME = | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | STORM WATER POLLUTION PREVENTION PLAN | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| PLOT SCALE = | DRAWN - | REVISED - | | | | 67 | 3 (N), L, RS-3 | CASS | 64 | 35 | |
| PLOT DATE = \$DATE\$ | CHECKED - | REVISED - | | SCALE: NONE | | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 72D75 | | |
| | DATE - | REVISED - | | | | | | | | | |



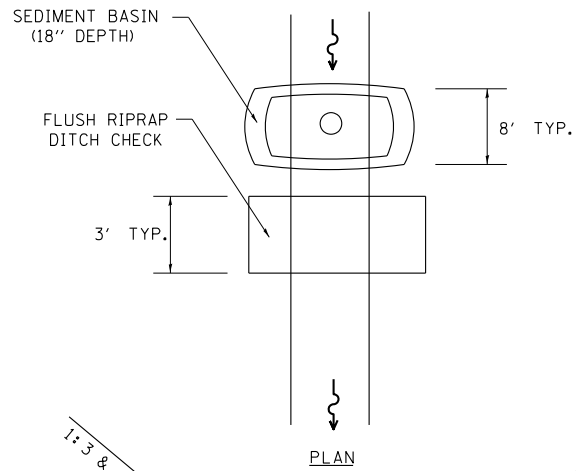
PLAN



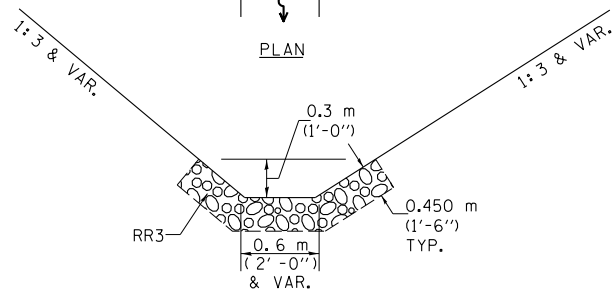
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK
(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

| ITEM | SYMBOL |
|--|--------|
| AGGREGATE (EROSION CONTROL) ESTONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')] | |
| TEMPORARY DITCH CHECKS | |
| INLET PIPE PROTECTION (I&PP) | |
| EROSION CONTROL FENCE | |
| EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS) | |
| PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS) | |
| ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement) | |
| ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation) | |
| DIRECTION OF OVERLAND FLOW | |

GENERAL NOTES:

All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

The contractor shall install ditch checks as directed by the Engineer. If the Engineer elects to utilize flush riprap ditch checks in lieu of Temporary Ditch Checks as shown on the following plan sheets, the spacing should be doubled.

| | | |
|----------------------|------------|-----------|
| USER NAME = | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = \$DATE\$ | DATE - | REVISED - |



Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL
62703 Phone: (217)544-8033 IL Design Firm
No. 184-001907

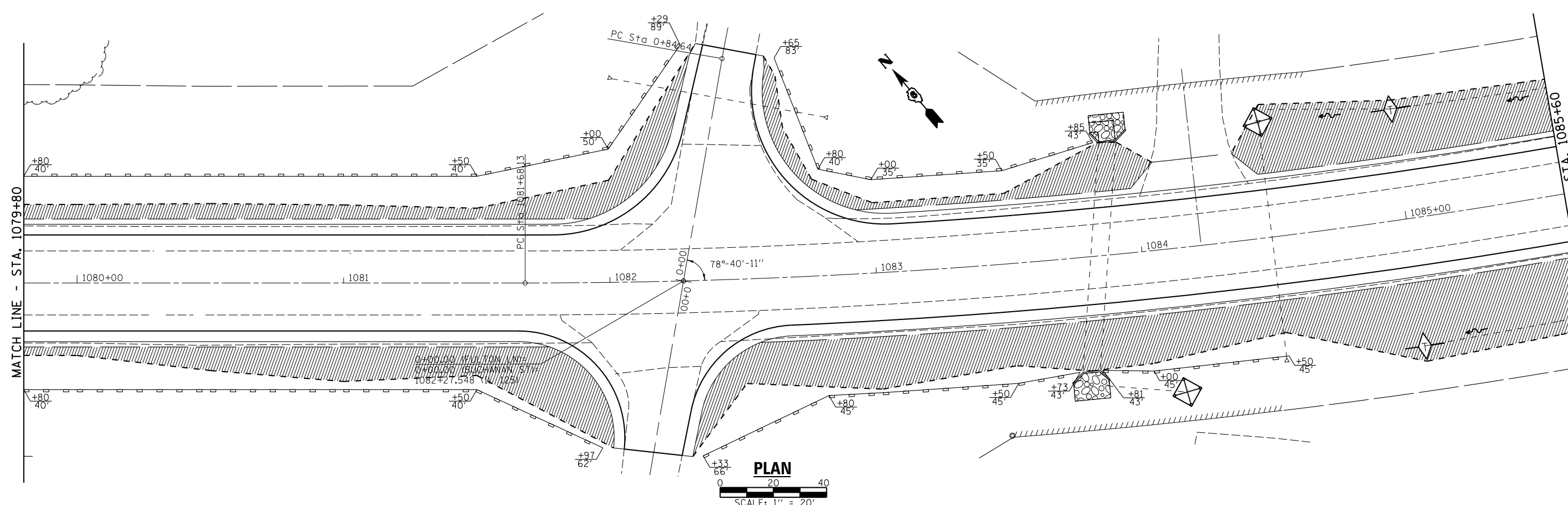
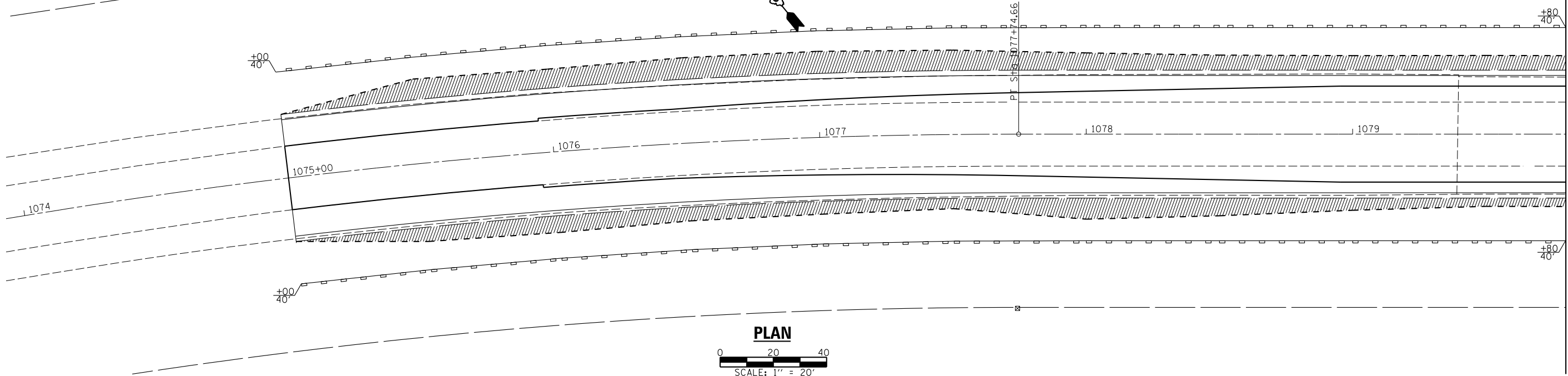
STORM WATER POLLUTION PREVENTION PLAN

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 36 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

LEGEND

- ◆ - TEMPORARY DITCH CHECK
- ◊ - INLET & PIPE PROTECTION
- - PERIMETER EROSION BARRIER
- ▨ - TEMPORARY EROSION CONTROL SEEDING



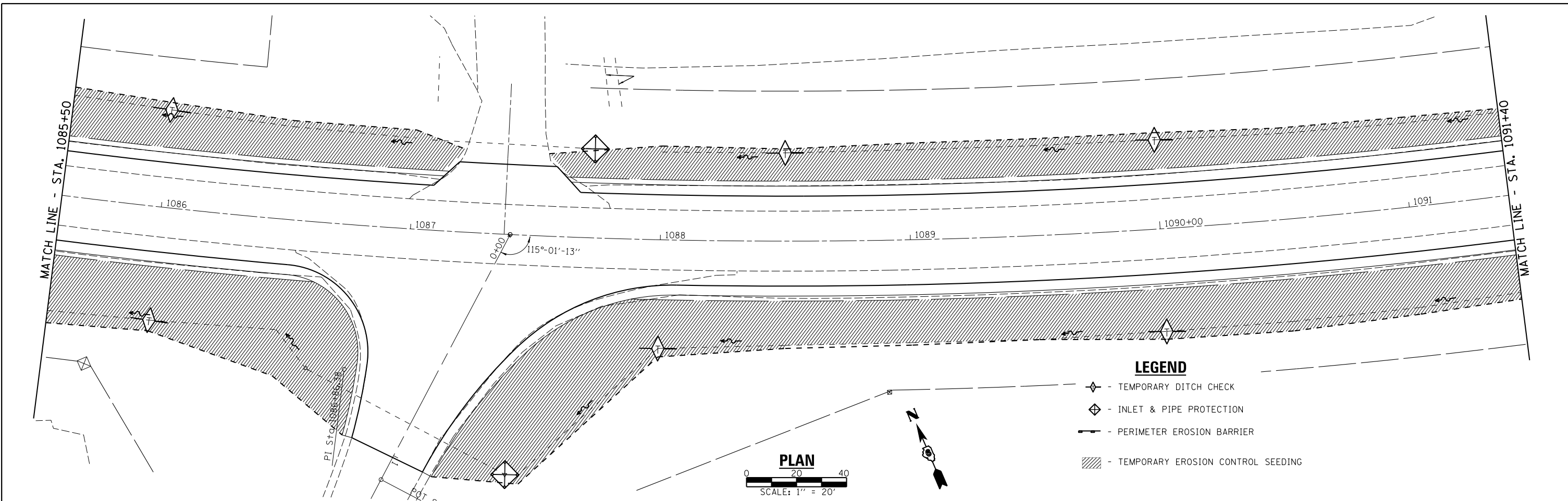
| | | |
|----------------------|------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = *SCALE* | CHECKED - | REVISED - |
| PLOT DATE = *DATE* | DATE - | REVISED - |



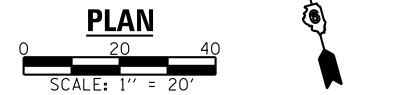
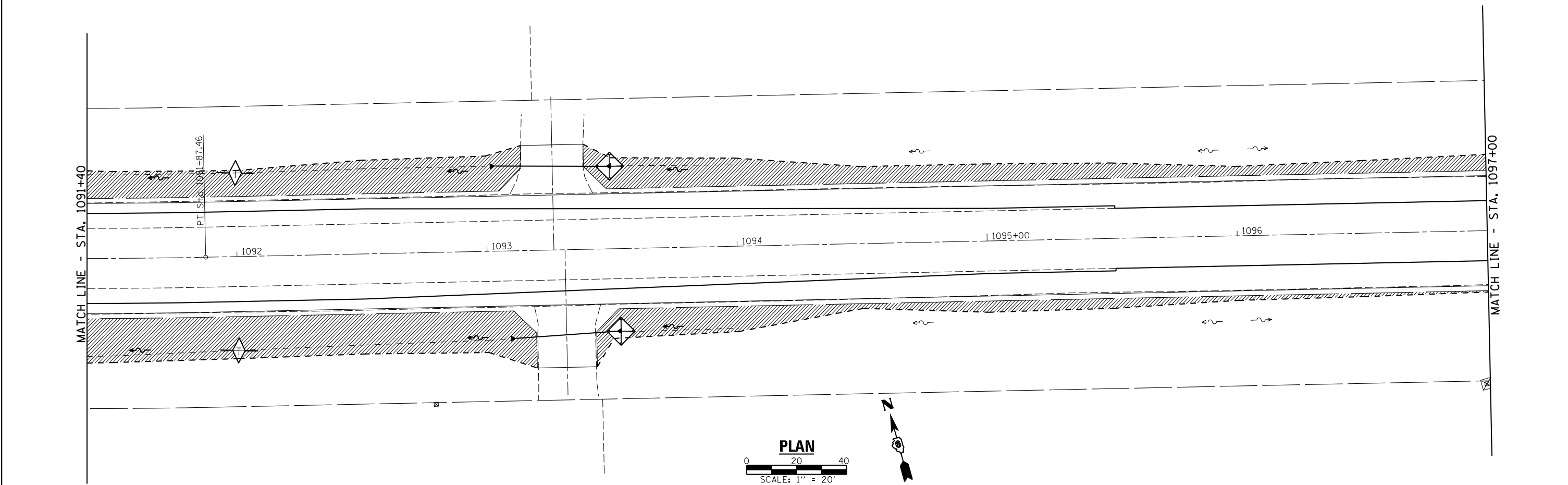
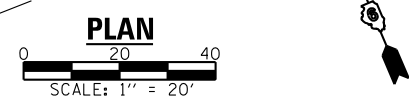
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907


STORM WATER POLLUTION PREVENTION PLAN
 SCALE: 1" = 20' SHEET NO. 5 OF 7 SHEETS STA. 10+75 TO STA. 1085+60

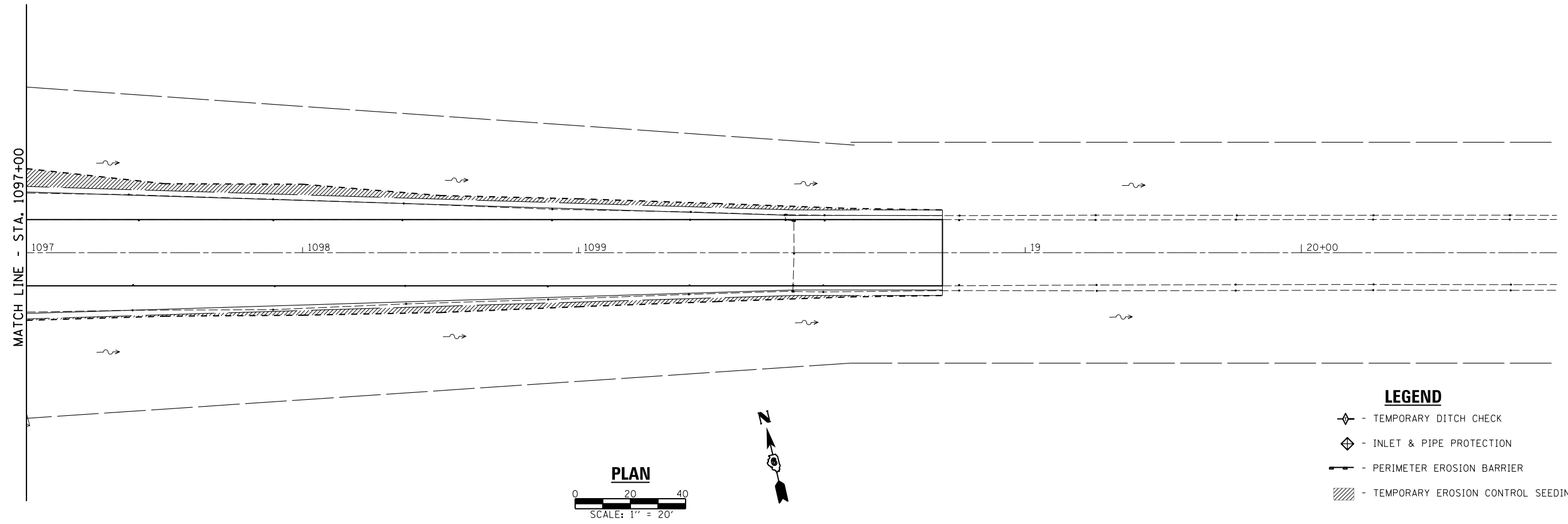
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|---------------------------|----------------|---------------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N, L, RS-3) | CASS | 64 | 37 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |



- LEGEND**
- ◆ - TEMPORARY DITCH CHECK
 - ◇ - INLET & PIPE PROTECTION
 - - PERIMETER EROSION BARRIER
 - ▨ - TEMPORARY EROSION CONTROL SEEDING

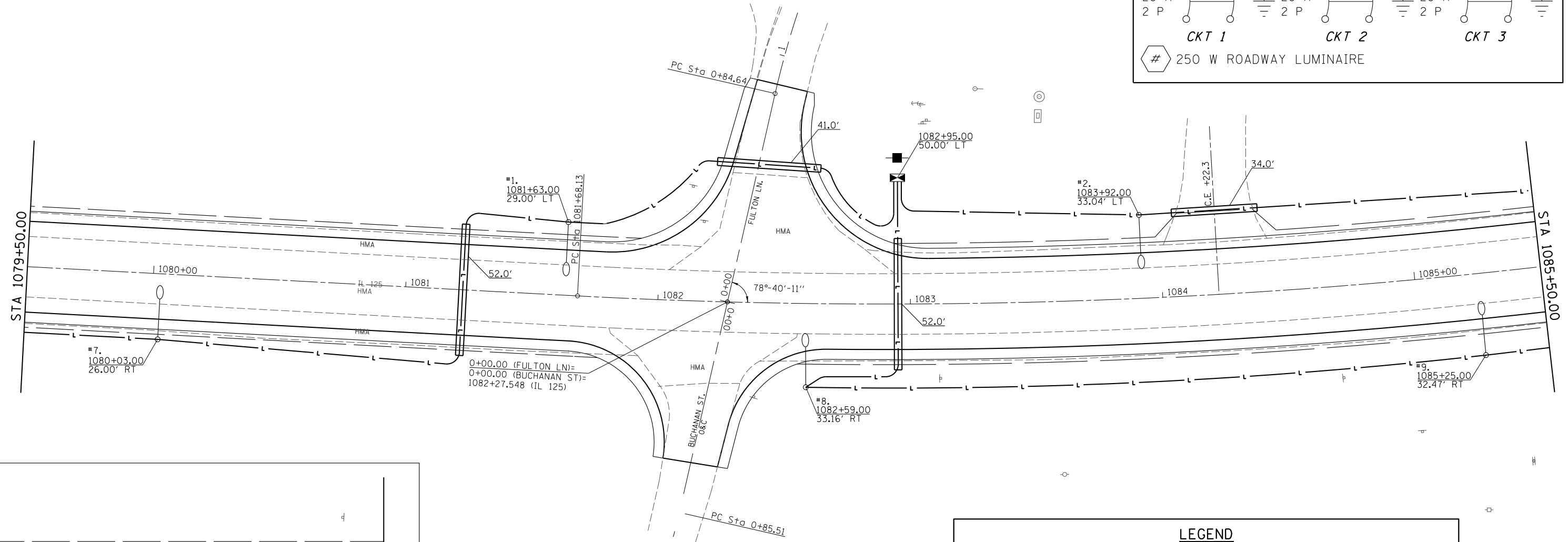
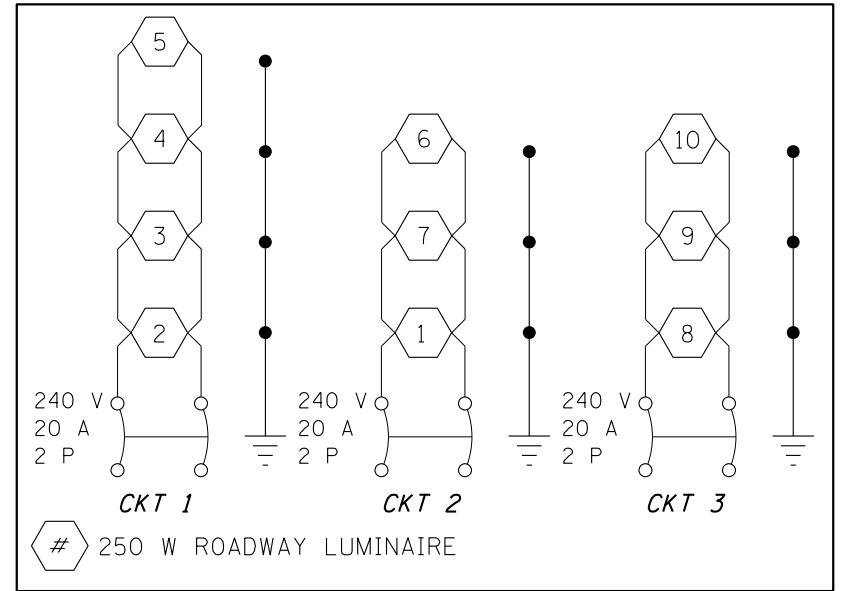
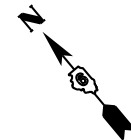


| | | | | | | | | | | |
|----------------------|------------|-----------|---|--|--|-------------------------|----------------------------|---------------------------|--------------|-----------|
| USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | STORM WATER POLLUTION PREVENTION PLAN | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 38 |
| PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: 1" = 20' | | SHEET NO. 6 OF 7 SHEETS | STA. 10+75 TO STA. 1085+60 | CONTRACT NO. 72075 | | |
| | | | DATE - | | | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

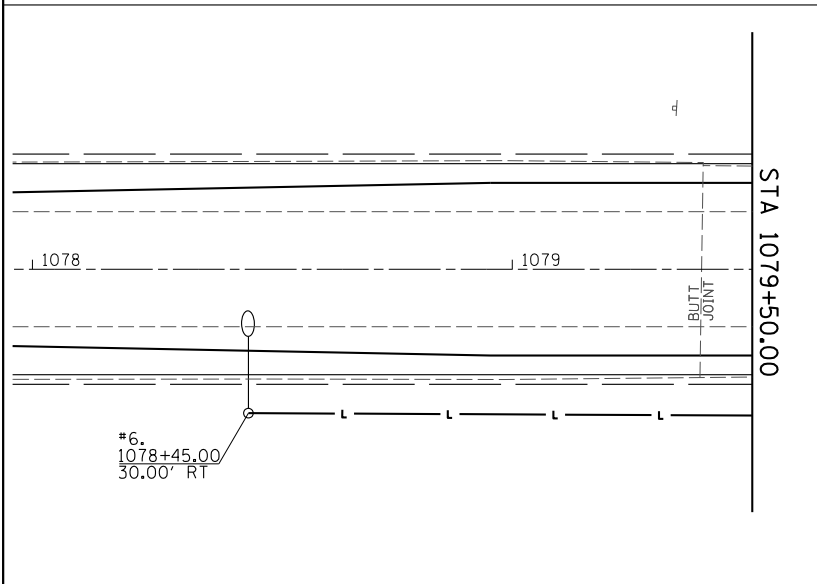


TEMPORARY EROSION CONTROL ITEMS SCHEDULE

| LOCATION | TEMPORARY EROSION CONTROL | | | |
|----------------------------------|---|-----------------------------|--------------------------------|------------------------------|
| | TEMPORARY EROSION CONTROL SEEDING POUND | TEMPORARY DITCH CHECKS FOOT | PERIMETER EROSION BARRIER FOOT | INLET & PIPE PROTECTION EACH |
| STA. 1075+00 TO STA. 18+70 LT. | 50 | | | |
| STA. 1075+00 TO STA. 18+70 RT. | 70 | | | |
| STA. 1085+00 LT. & RT. | | 30 | | |
| STA. 1086+00 LT. & RT. | | 30 | | |
| STA. 1088+00 RT. | | 15 | | |
| STA. 1088+50 RT. | | 15 | | |
| STA. 1090+00 LT. & RT. | | 30 | | |
| STA. 1092+00 LT. & RT. | | 30 | | |
| STA. 1084+11, 54' RT. | | | | 1 |
| STA. 1084+49.2, 43' RT. | | | | 1 |
| STA. 1087+41.5, 96' RT. | | | | 1 |
| STA. 1087+72.8, 36' LT. | | | | 1 |
| STA. 1093+48, 33' LT. | | | | 1 |
| STA. 1095+51, 33' RT. | | | | 1 |
| STA. 1075+00 TO STA. 1082+29 LT. | | | 750 | |
| STA. 1082+65 TO STA. 1083+85 LT. | | | 150 | |
| STA. 1075+00 TO STA. 1081+97 RT. | | | 700 | |
| STA. 1082+33 TO STA. 1083+73 RT. | | | 150 | |
| STA. 1083+81 TO STA. 1084+50 RT. | | | 70 | |
| TOTAL | 120 | 150 | 1820 | 6 |

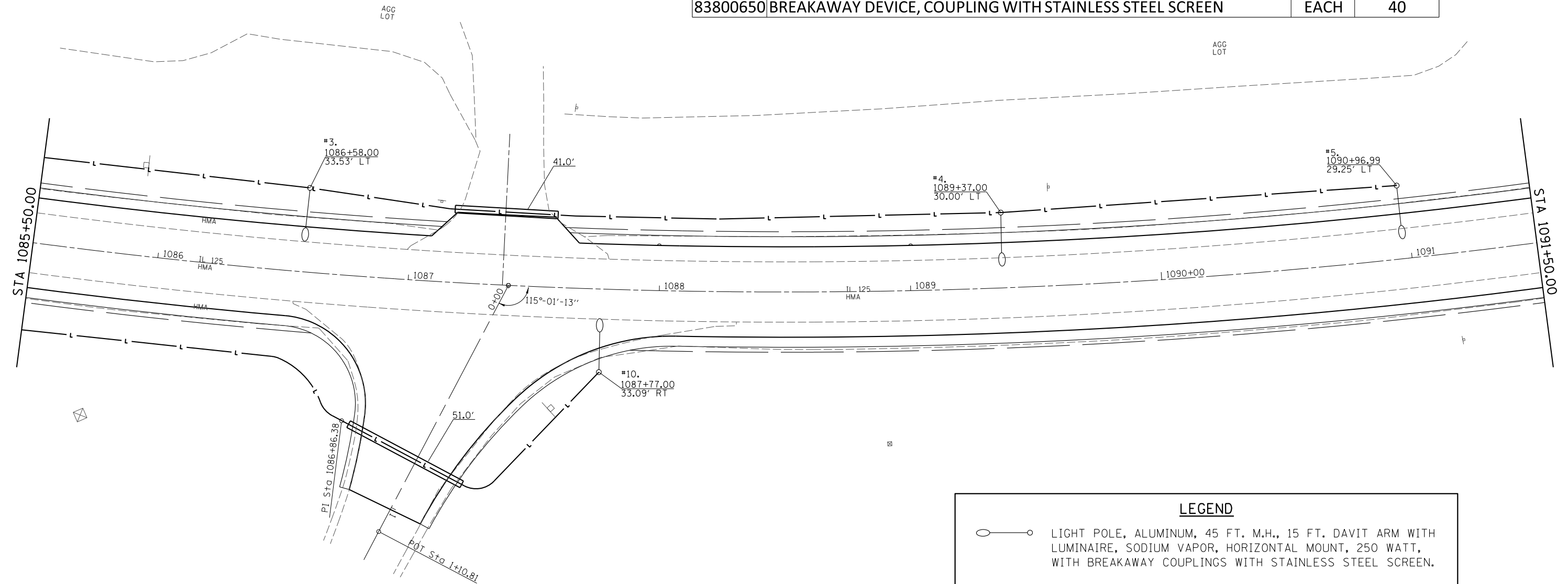


| LEGEND | |
|--------|---|
| | LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM WITH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT, WITH BREAKAWAY COUPLINGS WITH STAINLESS STEEL SCREEN. |
| | ELECTRIC SERVICE INSTALLATION 120/240 V, 1 PHASE 4 WIRE |
| | PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240 V, 60 A |
| | PROPOSED UNIT DUCT, 600 V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE |
| | UNDERGROUND CONDUIT, COILABLE NON-METALLIC CONDUIT, 2 1/2" DIA. (SCH.80) |



| | | | | | | | | | | | |
|-------------|-----------------------|------------|-----------|---|----------------------------|---------------------|--------------------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = \$USER* | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LIGHTING PLAN SHEET | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT SCALE = \$SCALE* | DRAWN - | REVISED - | | 67 | 3 (N), L, RS-3 | CASS | 64 | 40 | | |
| | PLOT DATE = \$DATE* | CHECKED - | REVISED - | | CONTRACT NO. 72075 | | | | | | |
| | | DATE - | REVISED - | | SCALE: _____ | SHEET 1 OF 2 SHEETS | STA. _____ TO STA. _____ | ILLINOIS FED. AID PROJECT | | | |

| BILL OF MATERIALS | | | |
|-------------------|---|------|-----------------|
| PAY ITEM | DESCRIPTION | UNIT | QUANTITY TOTALS |
| 80400100 | ELECTRIC SERVICE INSTALLATION | EACH | 1 |
| 81028760 | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA | FOOT | 271 |
| 81603000 | UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE | FOOT | 2907 |
| 82102250 | LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT | EACH | 10 |
| 82500310 | LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP | EACH | 1 |
| 83003600 | LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM | EACH | 10 |
| 83600355 | LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6" | EACH | 10 |
| 83800650 | BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN | EACH | 40 |



| LEGEND | |
|--------|---|
| | LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM WITH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT, WITH BREAKAWAY COUPLINGS WITH STAINLESS STEEL SCREEN. |
| | ELECTRIC SERVICE INSTALLATION 120/240 V, 1 PHASE 4 WIRE |
| | PROPOSED LIGHTING CONTROLLER, POLE MOUNTED, 240 V, 60 A |
| | PROPOSED UNIT DUCT, 600 V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE |
| | UNDERGROUND CONDUIT, COILABLE NON-METALLIC CONDUIT, 2 1/2" DIA. (SCH.80) |

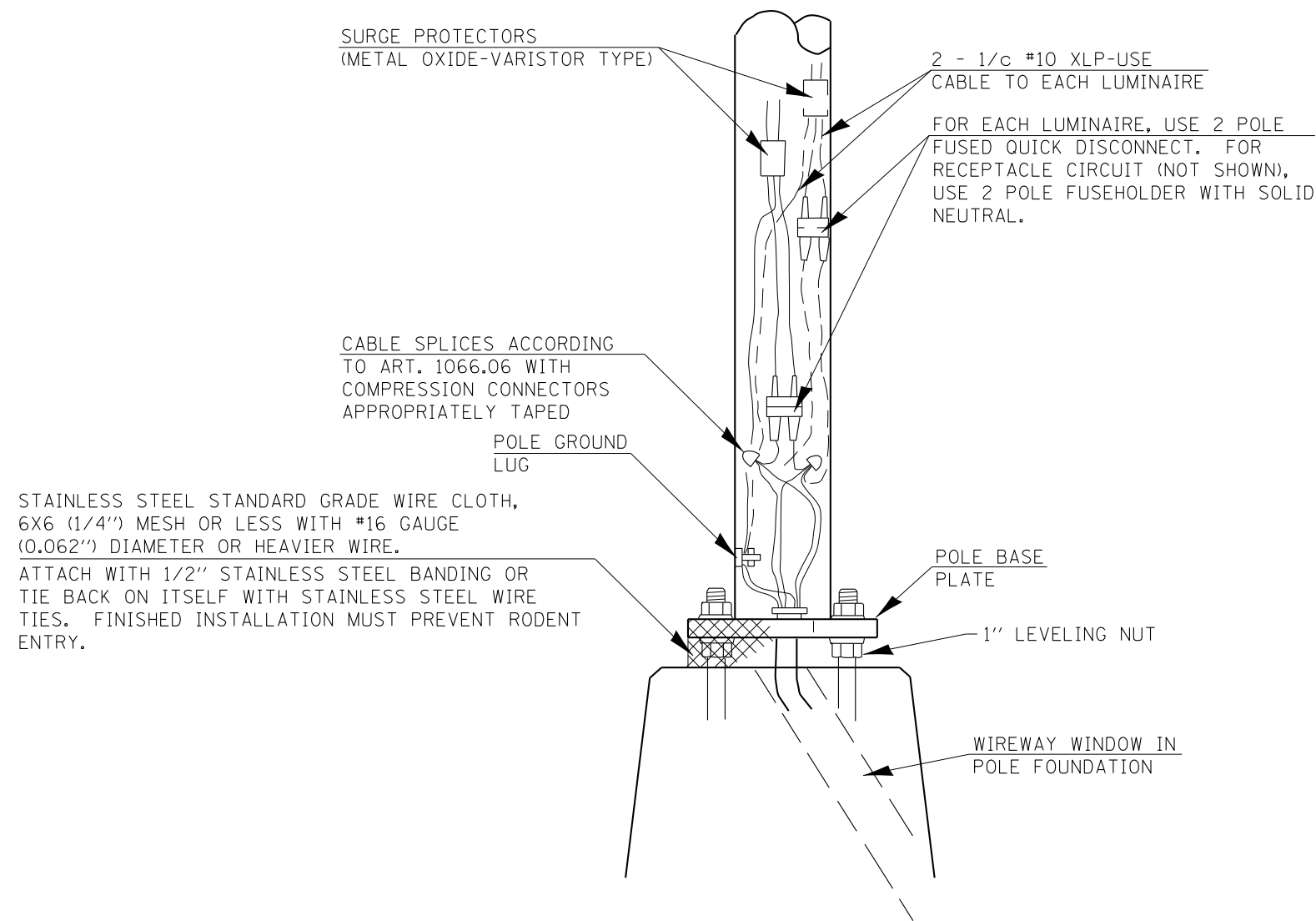
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|-------------|----------------------|------------|-----------|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = *SCALE* | CHECKED - | REVISED - |
| | PLOT DATE = *DATE* | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEET

SCALE: _____ SHEET 2 OF 2 SHEETS STA. _____ TO STA. _____

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 41 |
| CONTRACT NO. 72075 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



WIRING DETAIL
(NO SCALE)

GENERAL NOTES

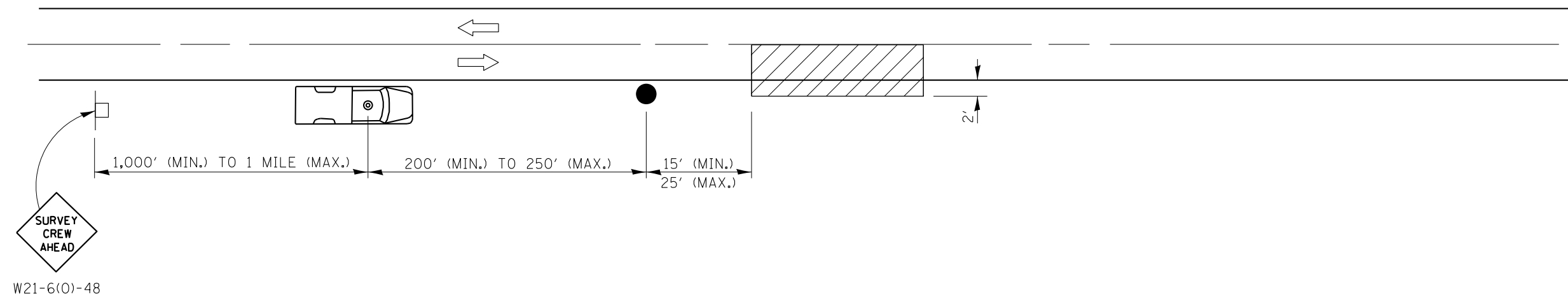
ALL TAPED SPLICES SHALL USE 2 LAYERS OF ELECTRICAL TAPE OVER 3 LAYERS OF RUBBER TAPE AS REQUIRED BY THE STANDARD SPECIFICATIONS. COAT THE FINISHED TAPED SPLICE WITH BONDING COMPOUND.


ALL CABLE SPLICES SHALL BE TAPED UNLESS ANOTHER METHOD HAS BEEN SPECIFICALLY APPROVED BY THE ENGINEER.

FOR EXAMPLE PURPOSES, THE POLE IS SHOWN ON AN ANCHOR BASE. IF THE POLE IS REQUIRED TO BE SET ON A BREAKWAY BASE, CONSULT THE STANDARD SPECIFICATIONS.

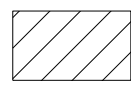
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

| | | | | | | | | | | | | |
|-------------|--------------------|------------|-----------|---|-----------------------------|---------|------|-------------|----------------|---------|---------------------------|-----------|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | POLE HANDHOLE WIRING | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - | | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 42 |
| | | CHECKED - | REVISED - | | CONTRACT NO. 72075 | | | | | | | |
| | | DATE - | REVISED - | | SCALE: | SHEET 1 | OF 1 | SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | |

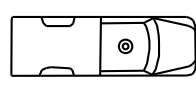



 W21-6(0)-48

SYMBOLS



WORK AREA



TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS



FLAGGER WITH TRAFFIC CONTROL SIGN

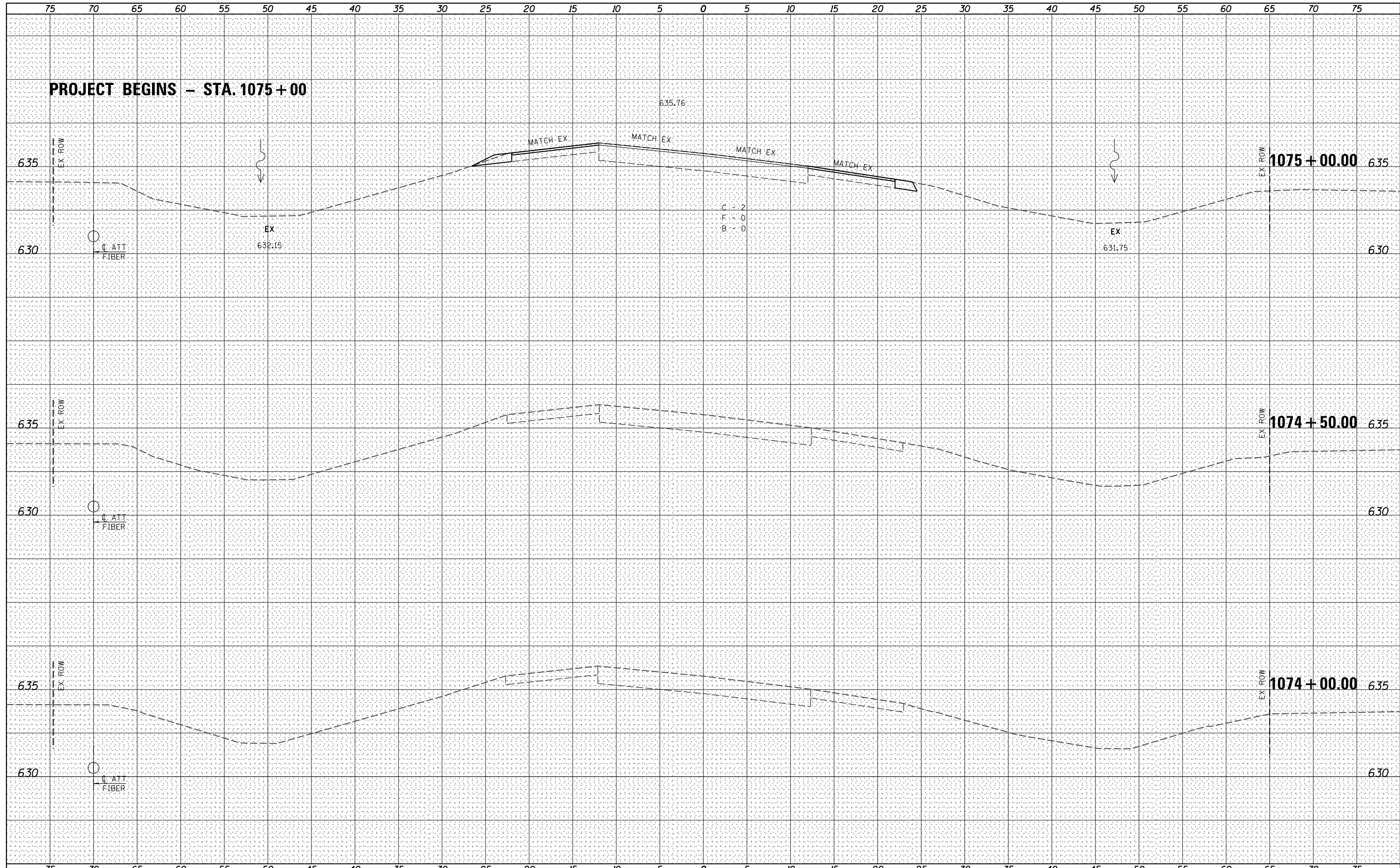


SIGN ON PORTABLE OR PERMANENT SUPPORT

TYPICAL APPLICATIONS:
UTILITY OPERATIONS

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 ORIGINAL SURVEY NO. _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS CHECKED _____
 ORIGINAL SURVEY NO. _____



FILE NAME = _____
 FILEL _____

USER NAME = *USER*
 DESIGNED - _____
 DRAWN - _____
 CHECKED - _____
 DATE - _____

REVISSED - _____
 REVISSED - _____
 REVISSED - _____
 REVISSED - _____



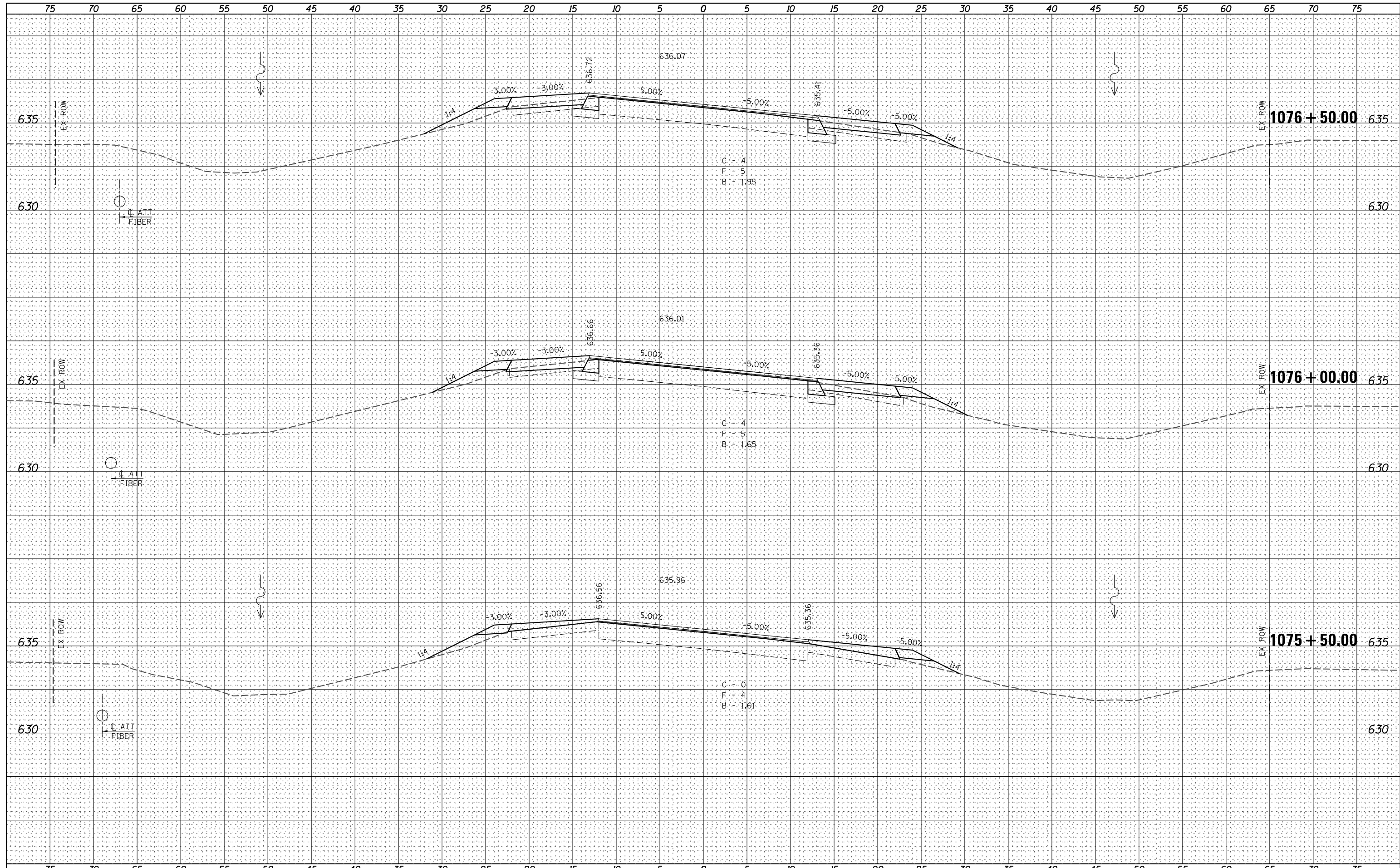
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

CROSS SECTIONS
 SCALE: _____ SHEET NO. 1 OF 35 SHEETS STA. 1074+00.00 TO STA. 1075+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 44 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

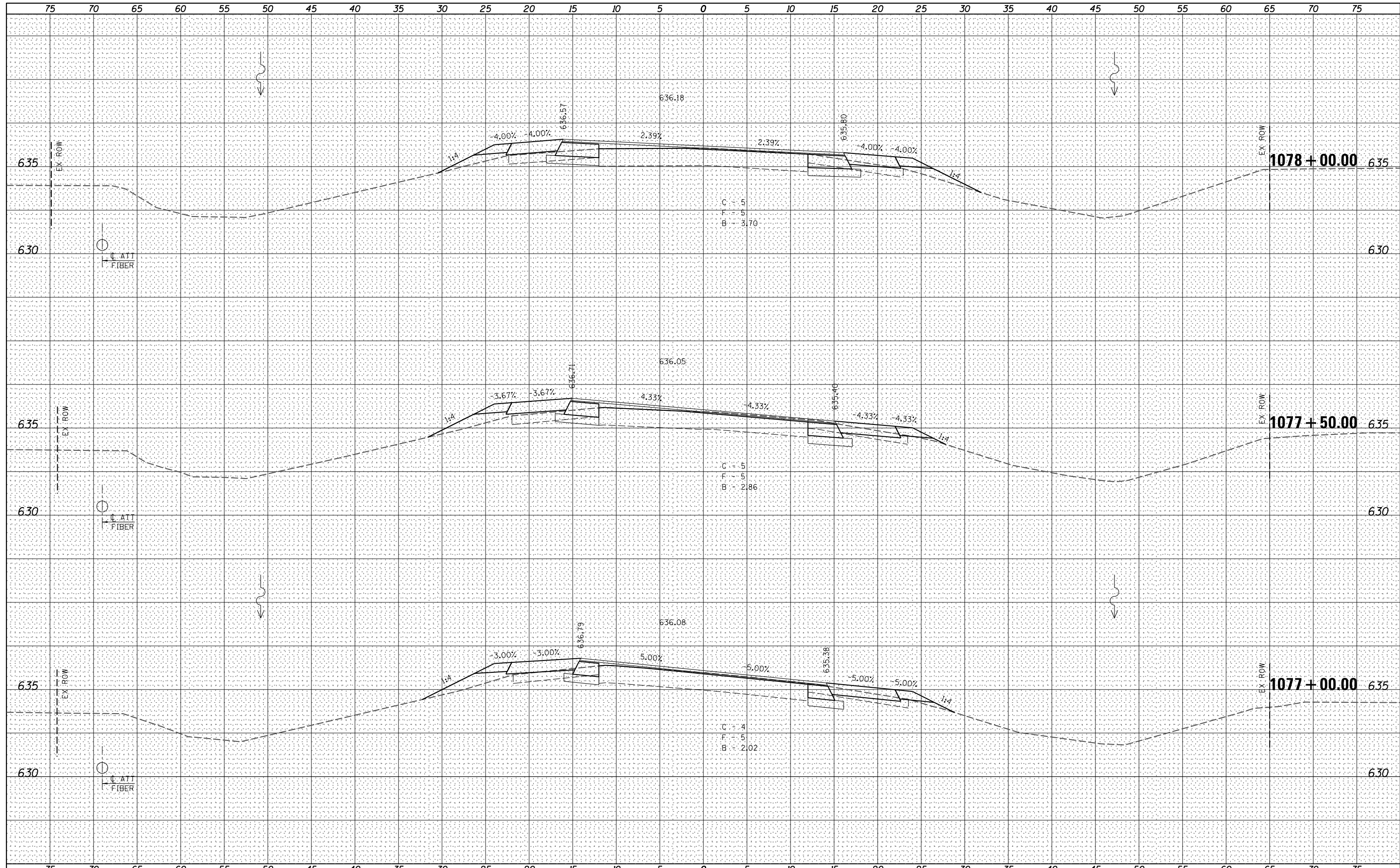
| | |
|--------------|---------------|
| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |
| | AREAS CHECKED |


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



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

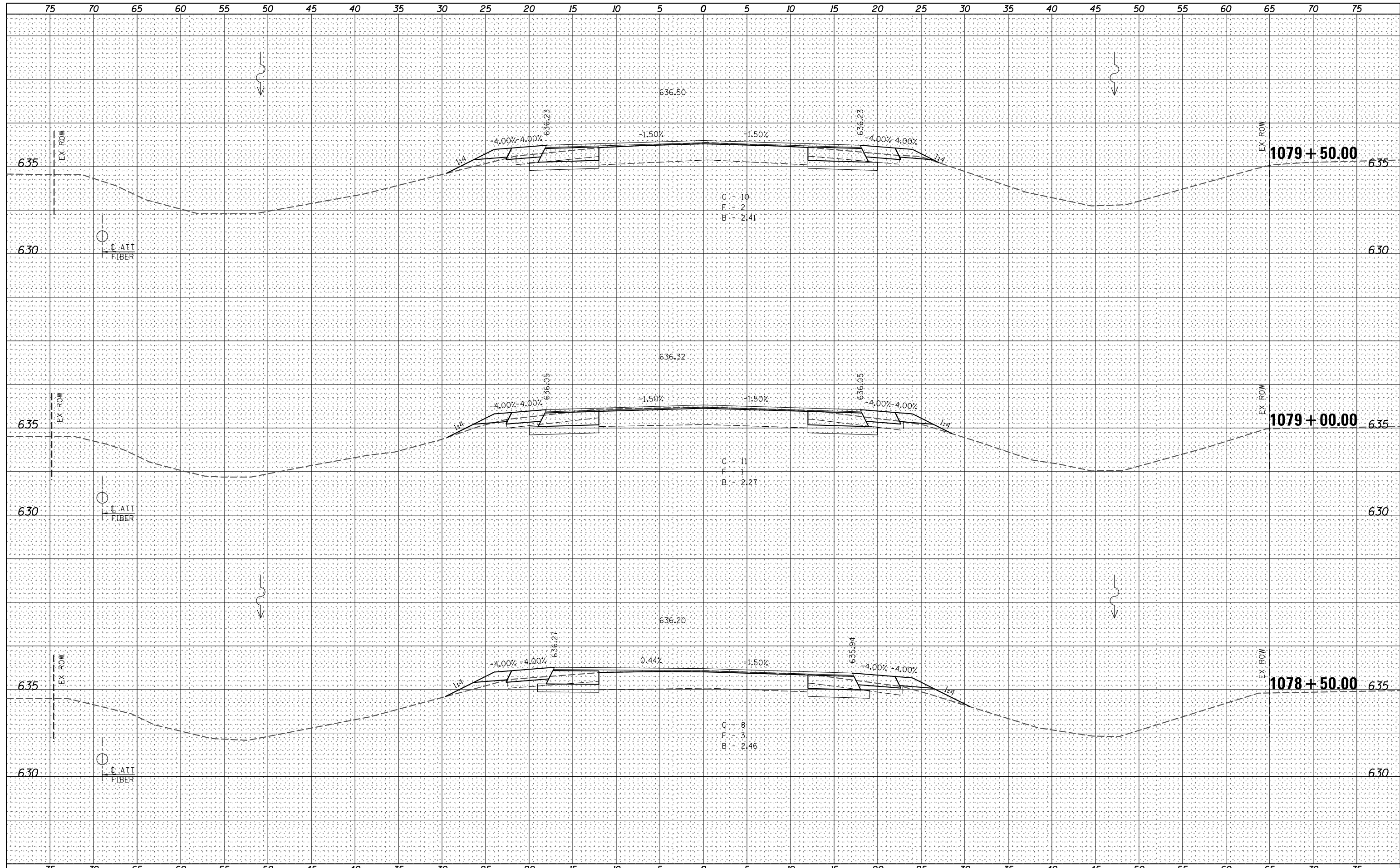
| | |
|-----------------|---------------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |



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|-------------|----------------------|------------|-----------|--|--|--|---|----------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILEL* | PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 46 |
| | PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: SHEET NO. 3 OF 21 SHEETS STA. 1077+00.00 TO STA. 1078+00.00 | | CONTRACT NO. 72075 | | | | |
| | | DATE - | REVISED - | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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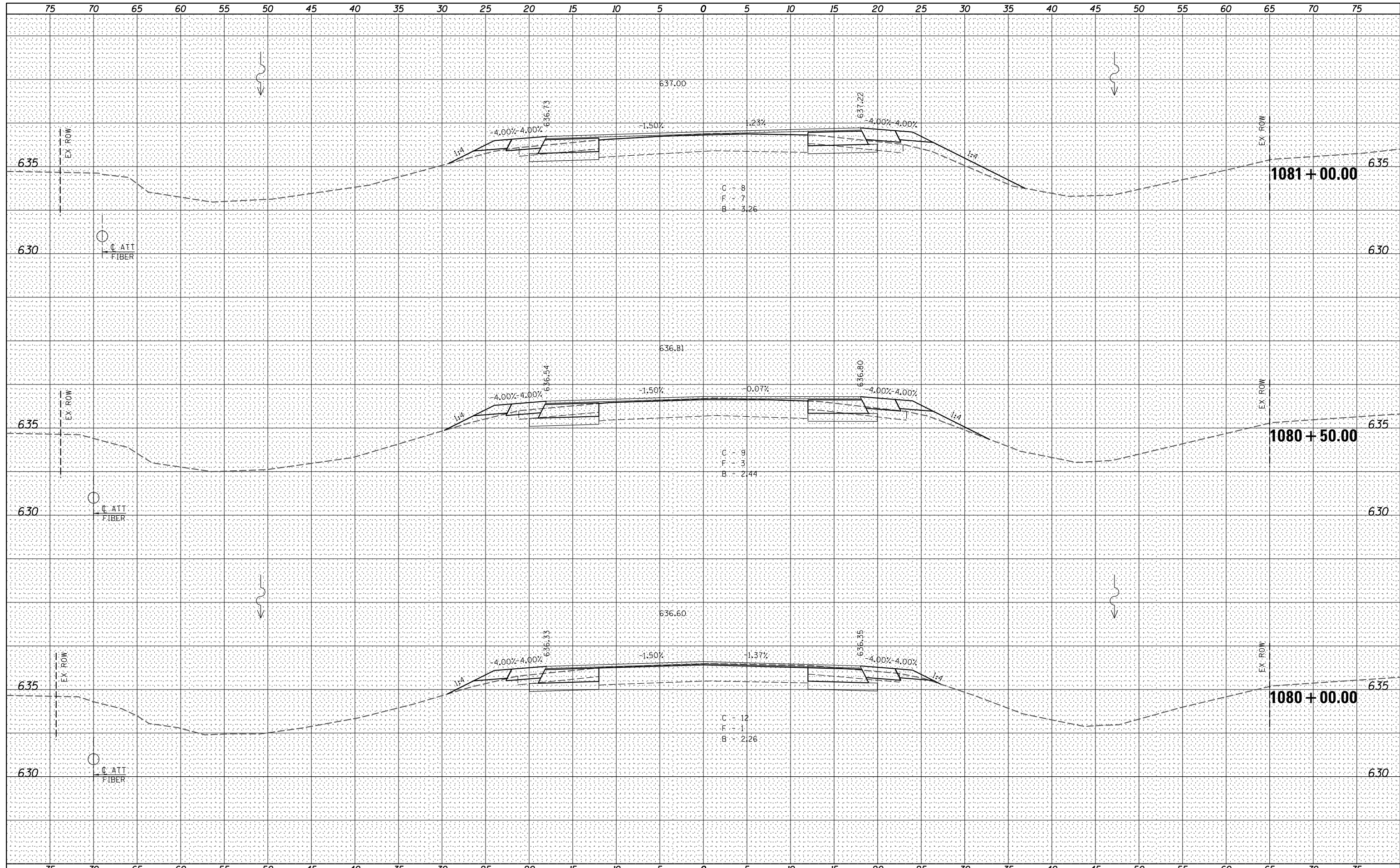
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907


| CROSS SECTIONS | | |
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| SCALE: | SHEET NO. 4 OF 21 SHEETS | STA. 1078+50.00 TO STA. 1079+50.00 |

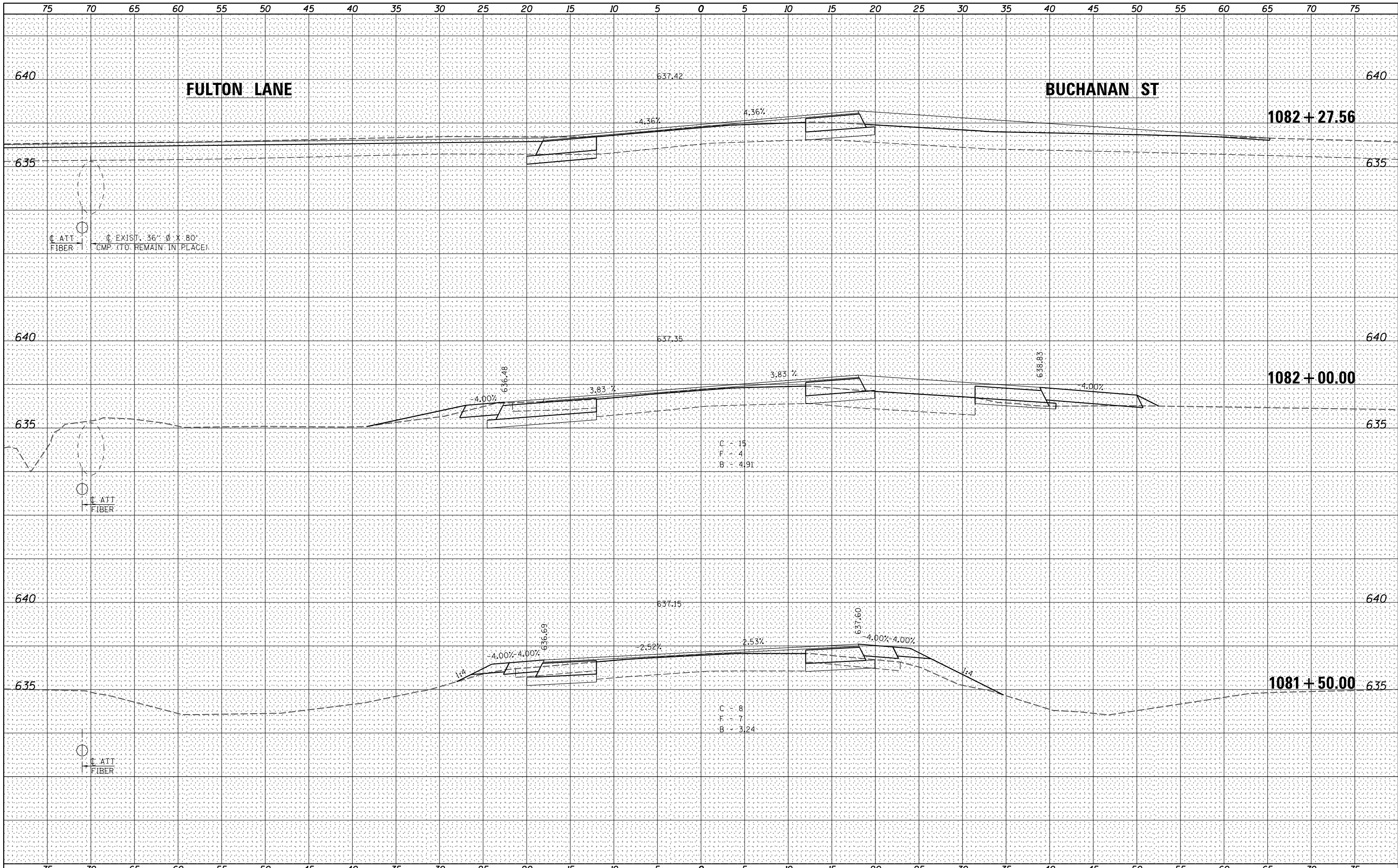
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 47 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISIED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILEL* | PLOT SCALE = *SCALE* | DRAWN - | REVISIED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 48 |
| | PLOT DATE = *DATE* | CHECKED - | REVISIED - | | SCALE: SHEET NO. 5 OF 21 SHEETS | | STA. 1080+00.00 TO STA. 1081+00.00 | | CONTRACT NO. 72075 | | |
| | | DATE - | REVISIED - | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



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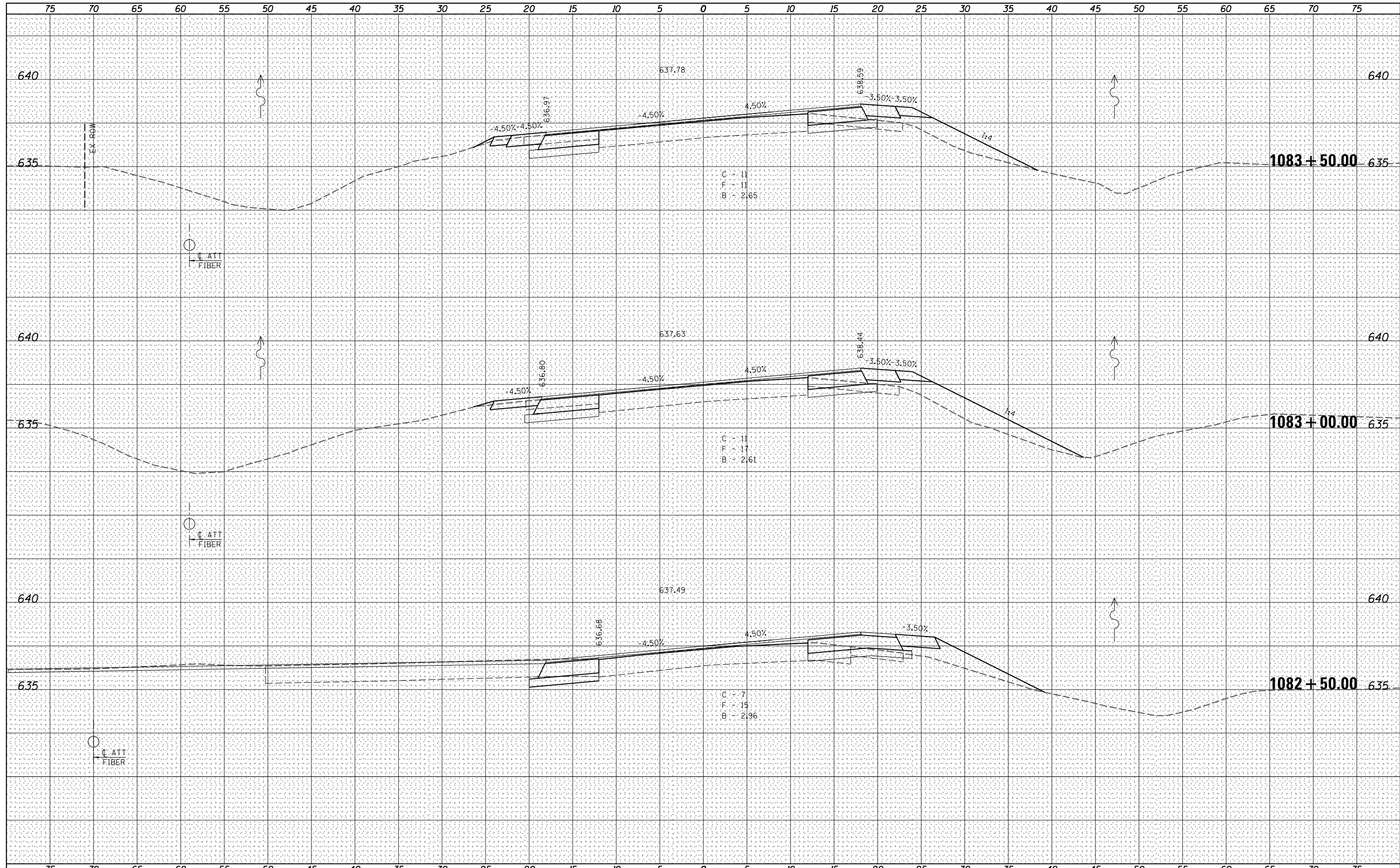
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

CROSS SECTIONS
 SCALE: SHEET NO. 6 OF 21 SHEETS STA. 1081+50.00 TO STA. 1082+27.56

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N), L, RS-3 | CASS | 64 | 49 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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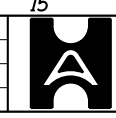
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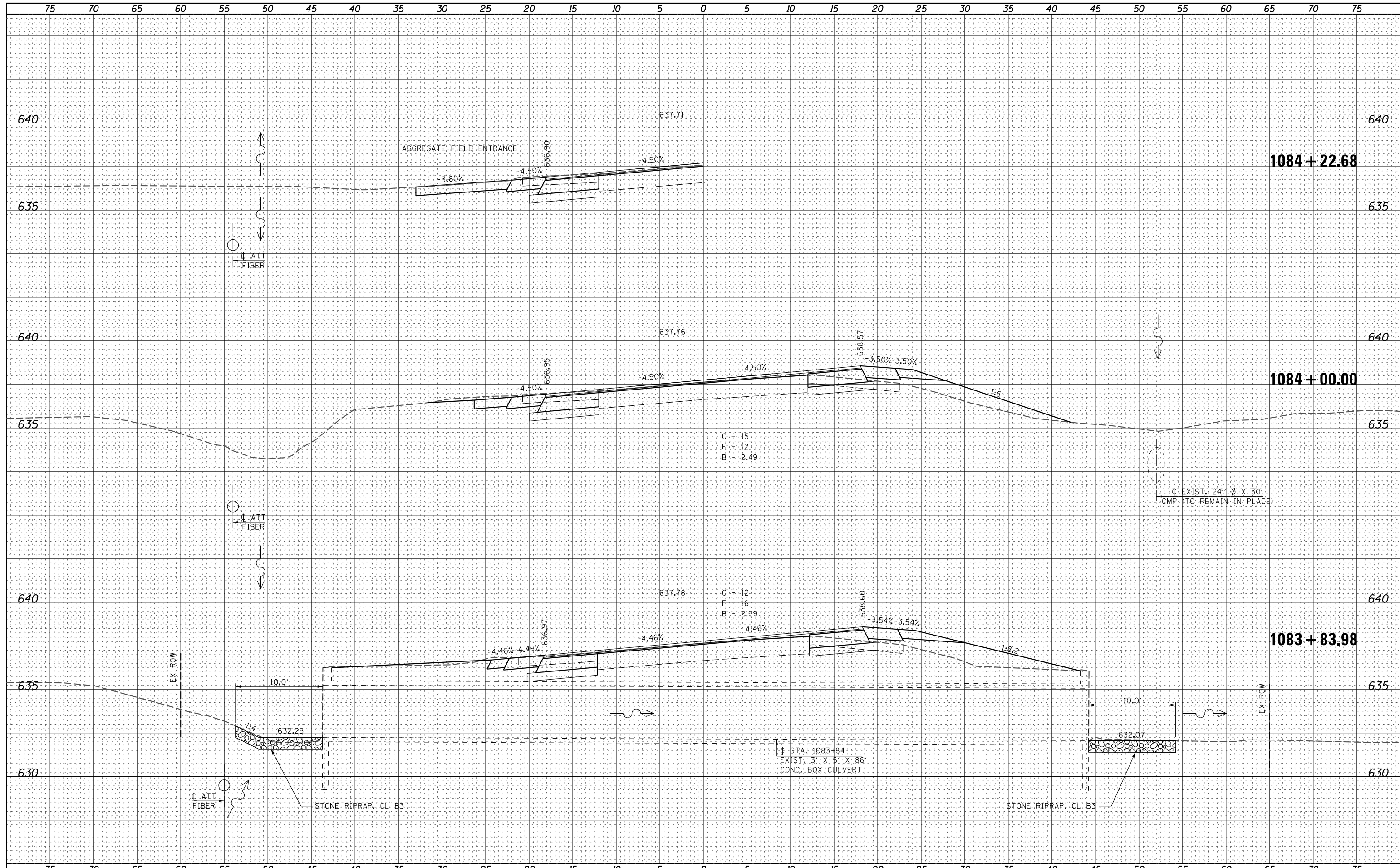
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

CROSS SECTIONS
 SCALE: _____ SHEET NO. 7 OF 21 SHEETS STA. 1082+50.00 TO STA. 1083+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------------------------|--------------|-----------|
| 67 | 3 (N), L, RS-3 | CASS | 64 | 50 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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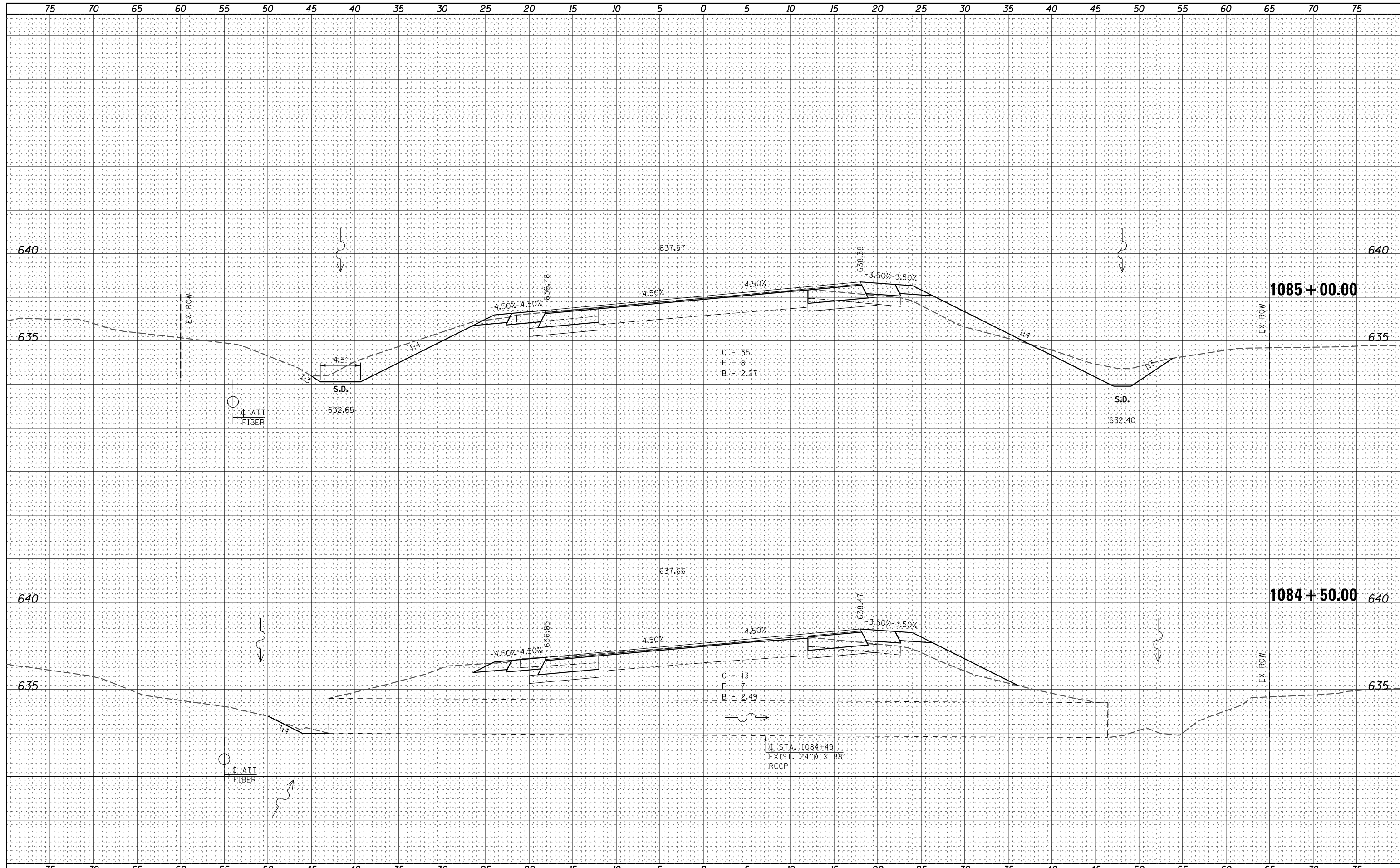
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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - | <p>Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907</p> | CROSS SECTIONS | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILE# | PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 51 |
| | PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: SHEET NO. 8 OF 21 SHEETS STA. 1083+83.98 TO STA. 1084+22.68 | | | CONTRACT NO. 72075 | | | | |
| | | DATE - | REVISED - | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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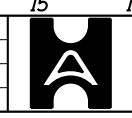


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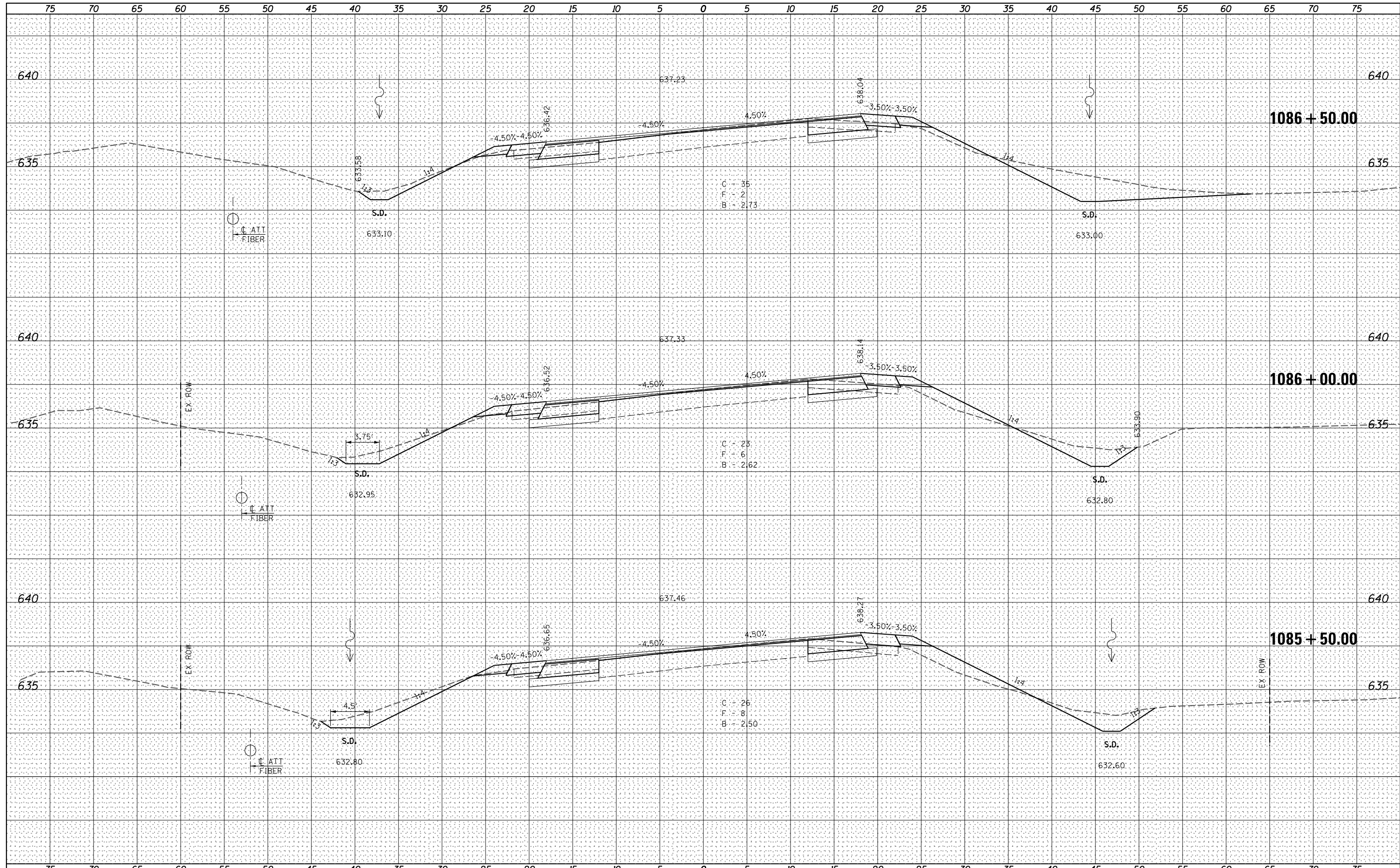
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

CROSS SECTIONS
 SCALE: SHEET NO. 9 OF 21 SHEETS STA. 1084+50.00 TO STA. 1085+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------------------------|--------------|-----------|
| 67 | 3 (N), L, RS-3 | CASS | 64 | 52 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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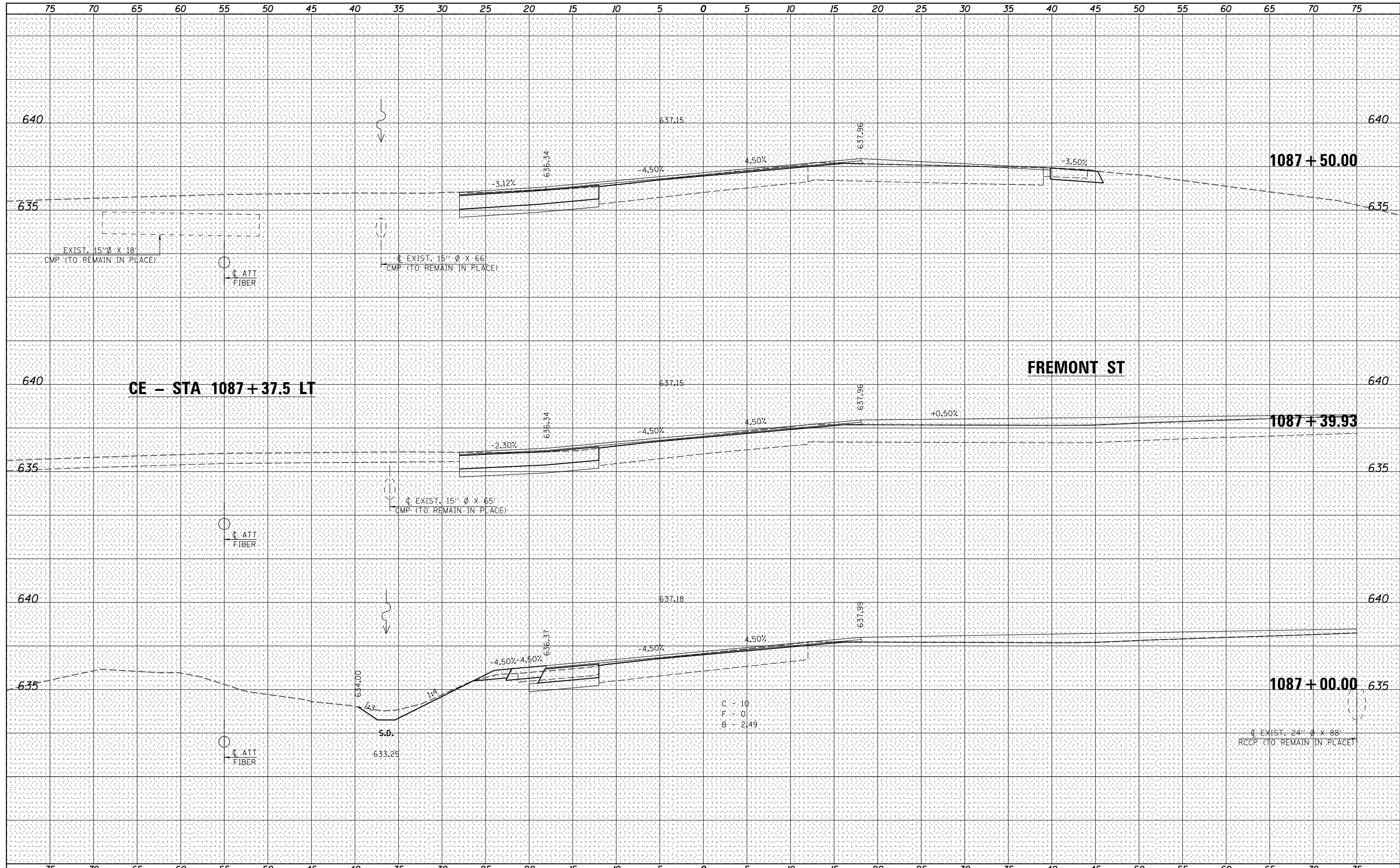
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 Civil and Structural Engineers Springfield, IL
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 No. 184-001907

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| CROSS SECTIONS | |
| SCALE: | SHEET NO. 10 OF 21 SHEETS |
| | STA. 1085+50.00 TO STA. 1086+50.00 |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 67 | 3 (N), L, RS-3 | CASS | 64 | 53 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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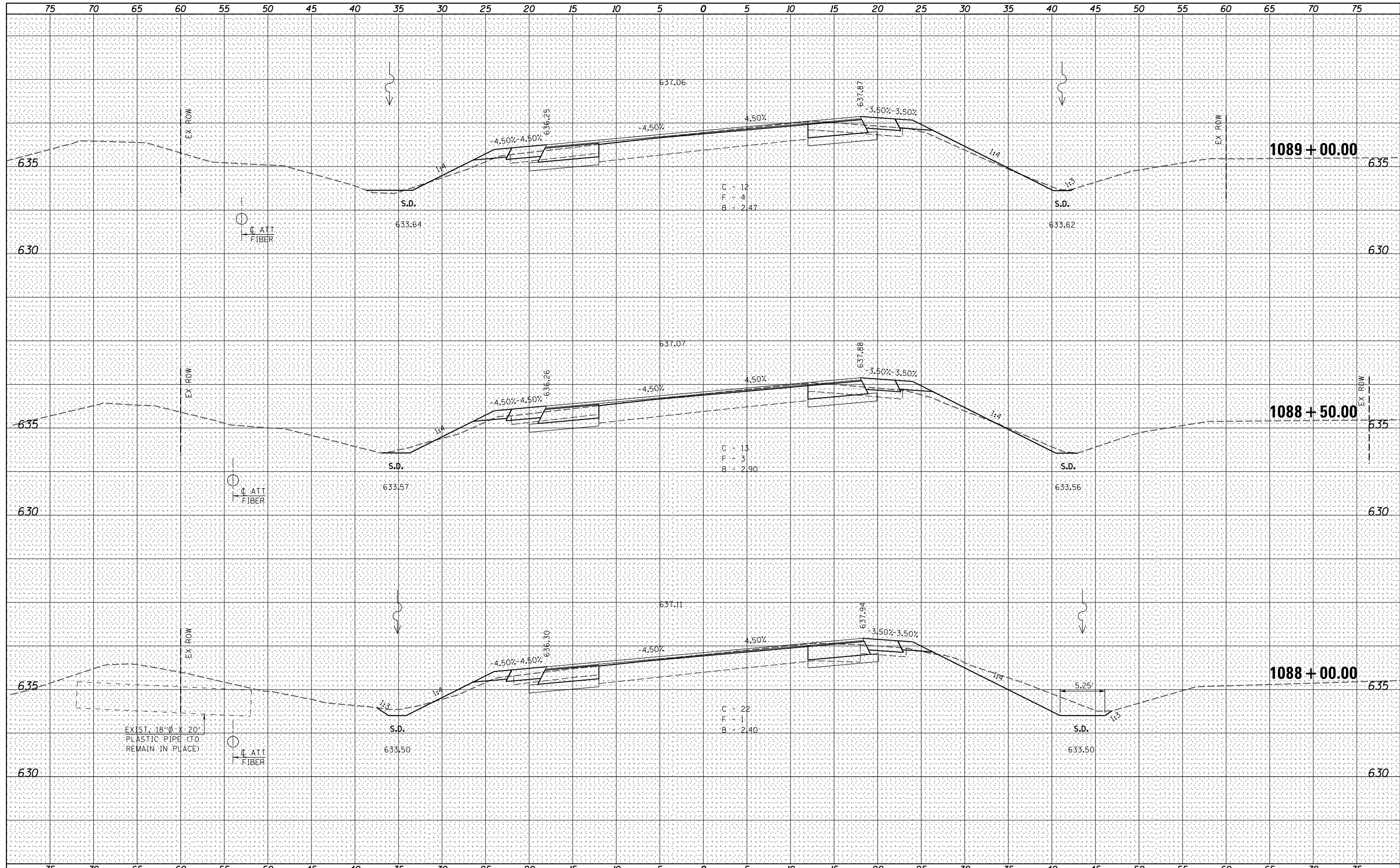
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907


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| CROSS SECTIONS | |
| SCALE: | SHEET NO. 11 OF 21 SHEETS |
| | STA. 1087+00.00 TO STA. 1087+50.00 |

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 54 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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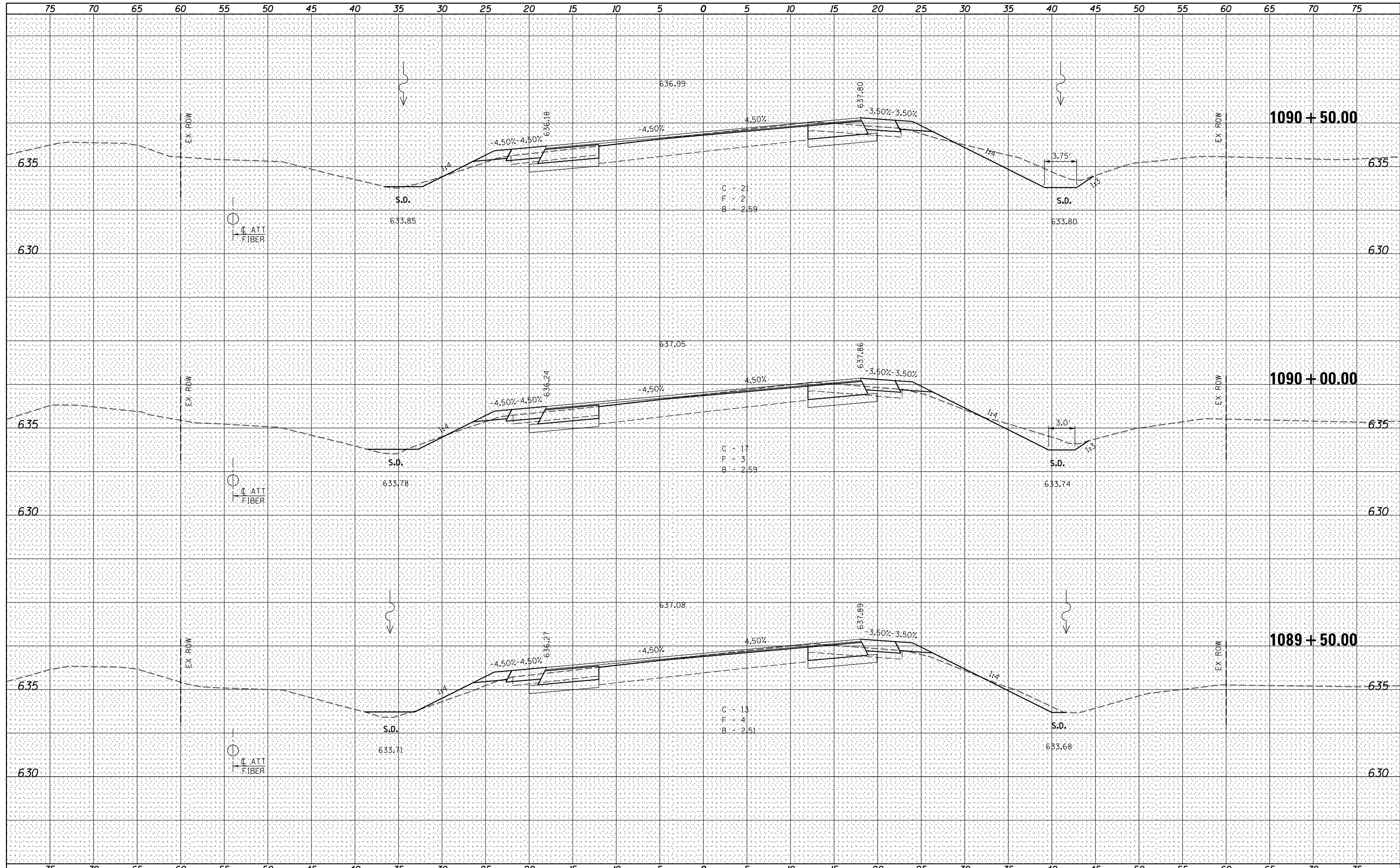
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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILE#* | | DRAWN - | REVISED - | | 67 | 3 (N), L, RS-3 | CASS | 64 | 55 | | |
| PLOT SCALE = *SCALE* | | CHECKED - | REVISED - | | CONTRACT NO. 72075 | | | | | | |
| PLOT DATE = *DATE* | | DATE - | REVISED - | | SCALE: SHEET NO. 12 OF 21 SHEETS STA. 1088+00.00 TO STA. 1089+00.00 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | |

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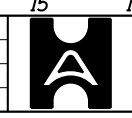


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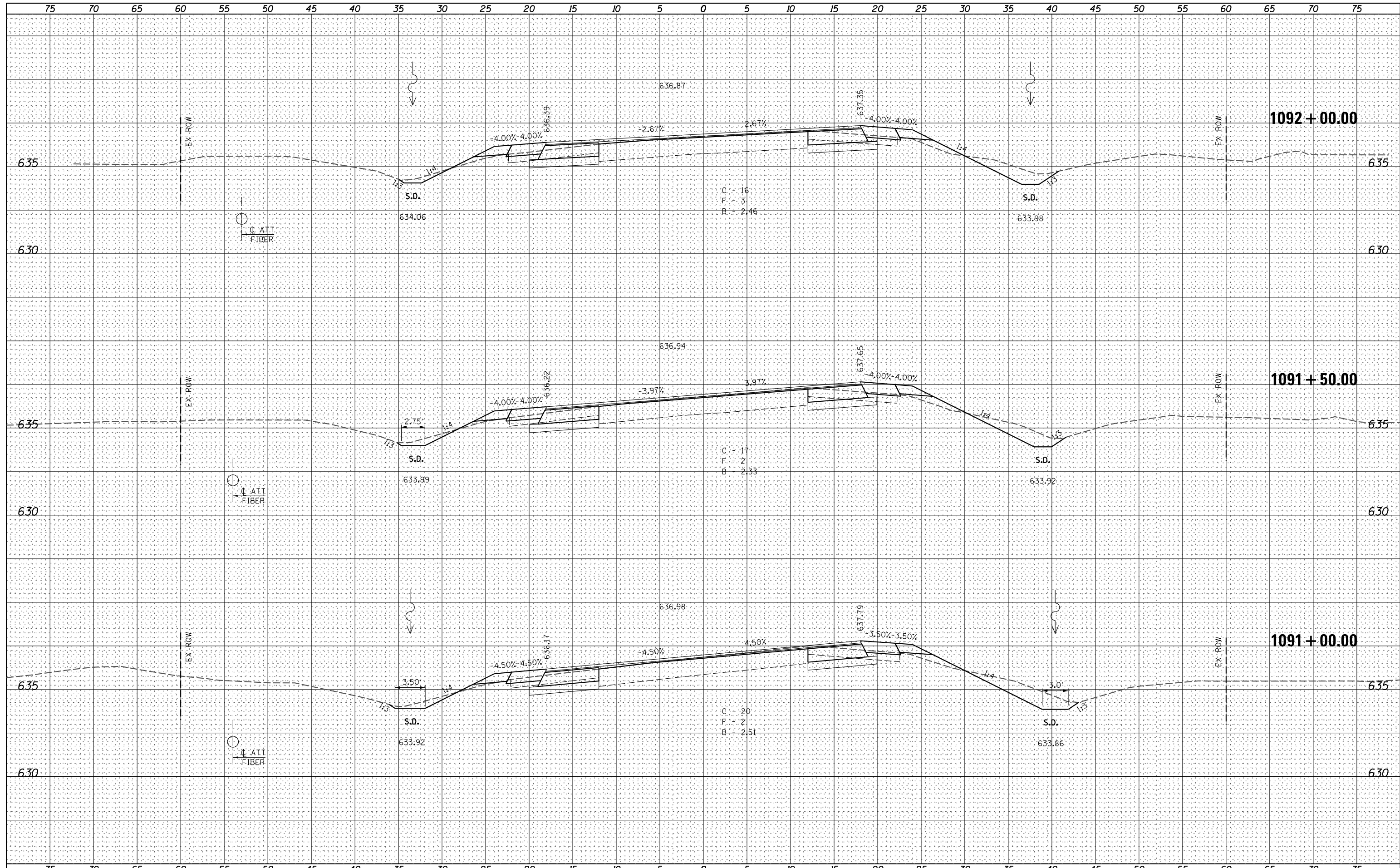
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907


CROSS SECTIONS
 SCALE: _____ SHEET NO. 13 OF 21 SHEETS STA. 1089+50.00 TO STA. 1090+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 67 | 3 (N), L, RS-3 | CASS | 64 | 56 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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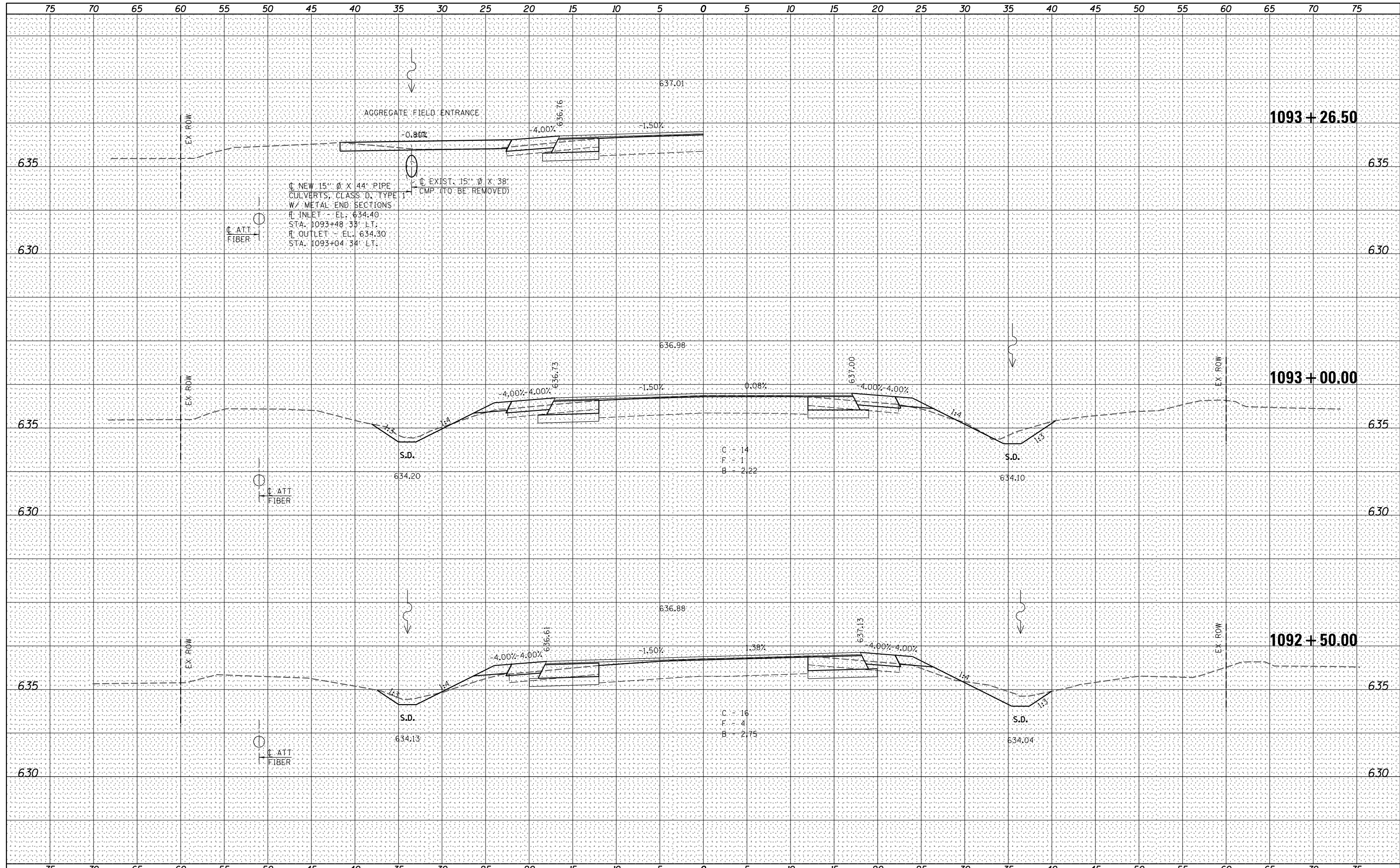
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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILEL* | | DRAWN - | REVISED - | | 67 | 3 (N, L, RS-3) | CASS | 64 | 57 | | |
| PLOT SCALE = *SCALE* | | CHECKED - | REVISED - | | CONTRACT NO. 72075 | | | | | | |
| PLOT DATE = *DATE* | | DATE - | REVISED - | | SCALE: | SHEET NO. 14 OF 21 SHEETS | STA. 1091+00.00 TO STA. 1092+00.00 | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | | |

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| PLOT SCALE = #SCALE# | CHECKED - | REVISED - |
| PLOT DATE = #DATE# | DATE - | REVISED - |



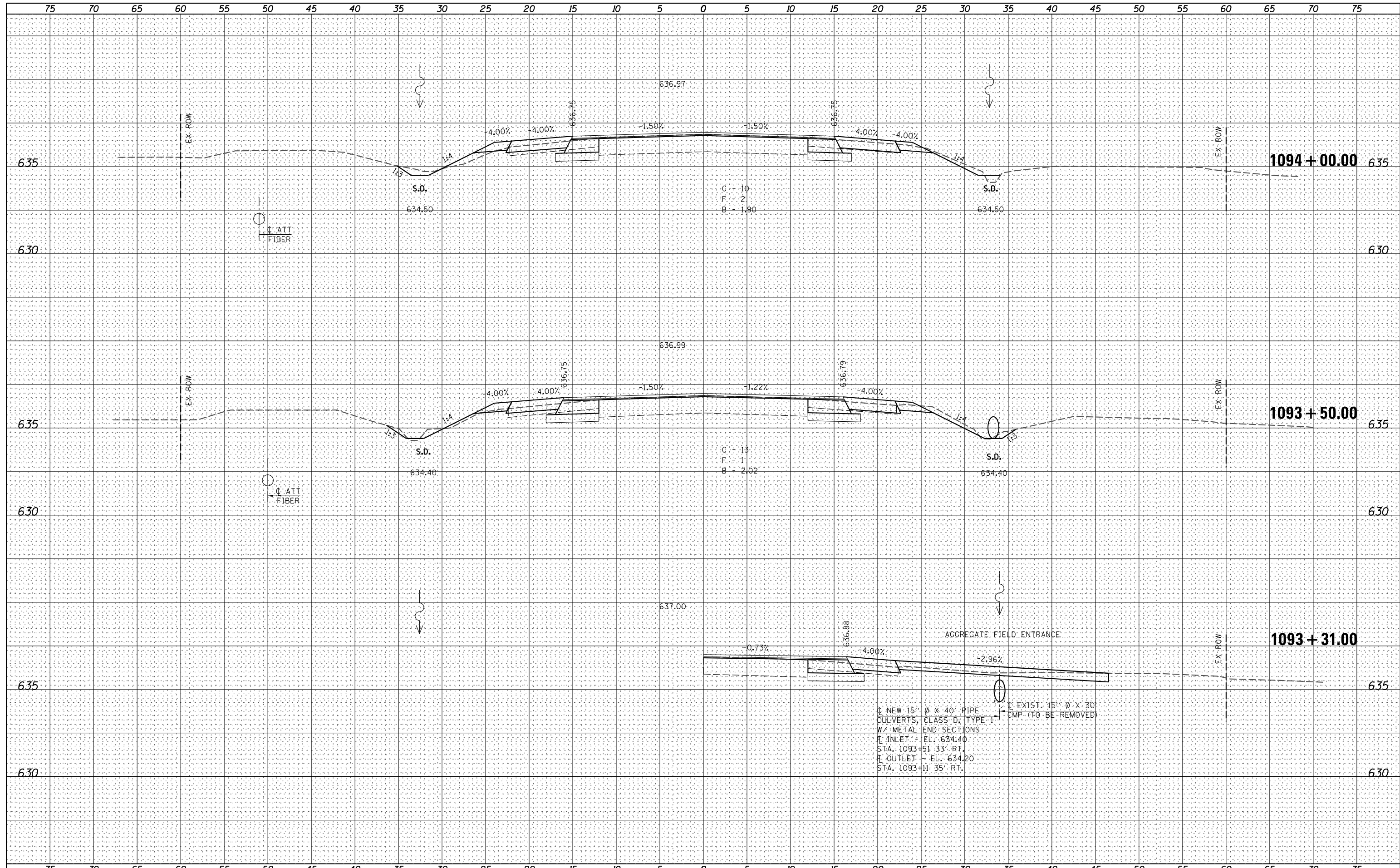
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 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

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| CROSS SECTIONS | |
| SCALE: | SHEET NO. 15 OF 21 SHEETS |
| | STA. 1092+50.00 TO STA. 1093+26.50 |

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 67 | 3 (N), L, RS-3 | CASS | 64 | 58 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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| PLOT DATE = *DATE# | CHECKED - | REVISED - |
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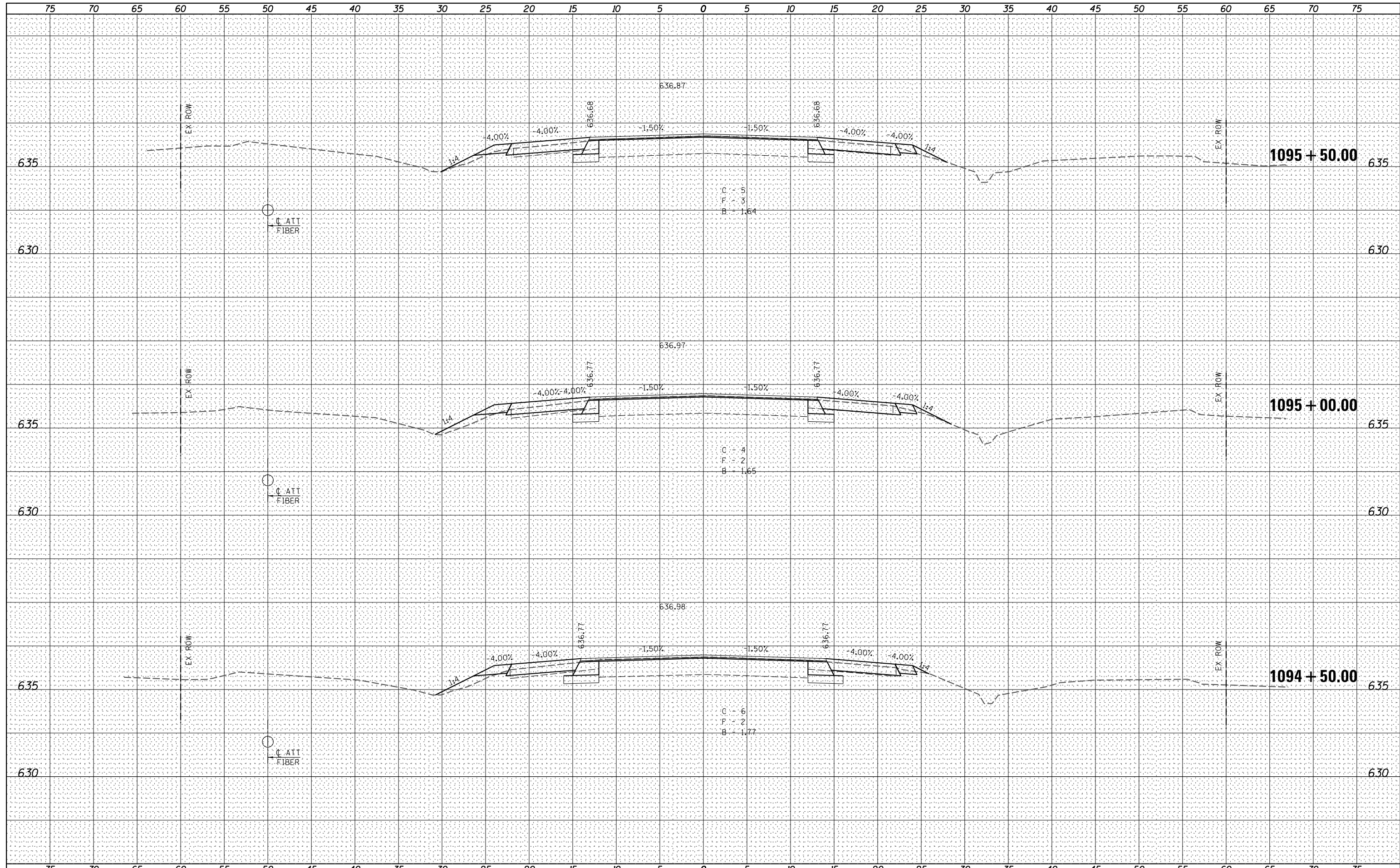
Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

CROSS SECTIONS
 SCALE: _____ SHEET NO. 16 OF 21 SHEETS STA. 1093+31.00 TO STA. 1094+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 67 | 3 (N), L, RS-3 | CASS | 64 | 59 |
| CONTRACT NO. 72075 | | | | |
| FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____ | | | | |

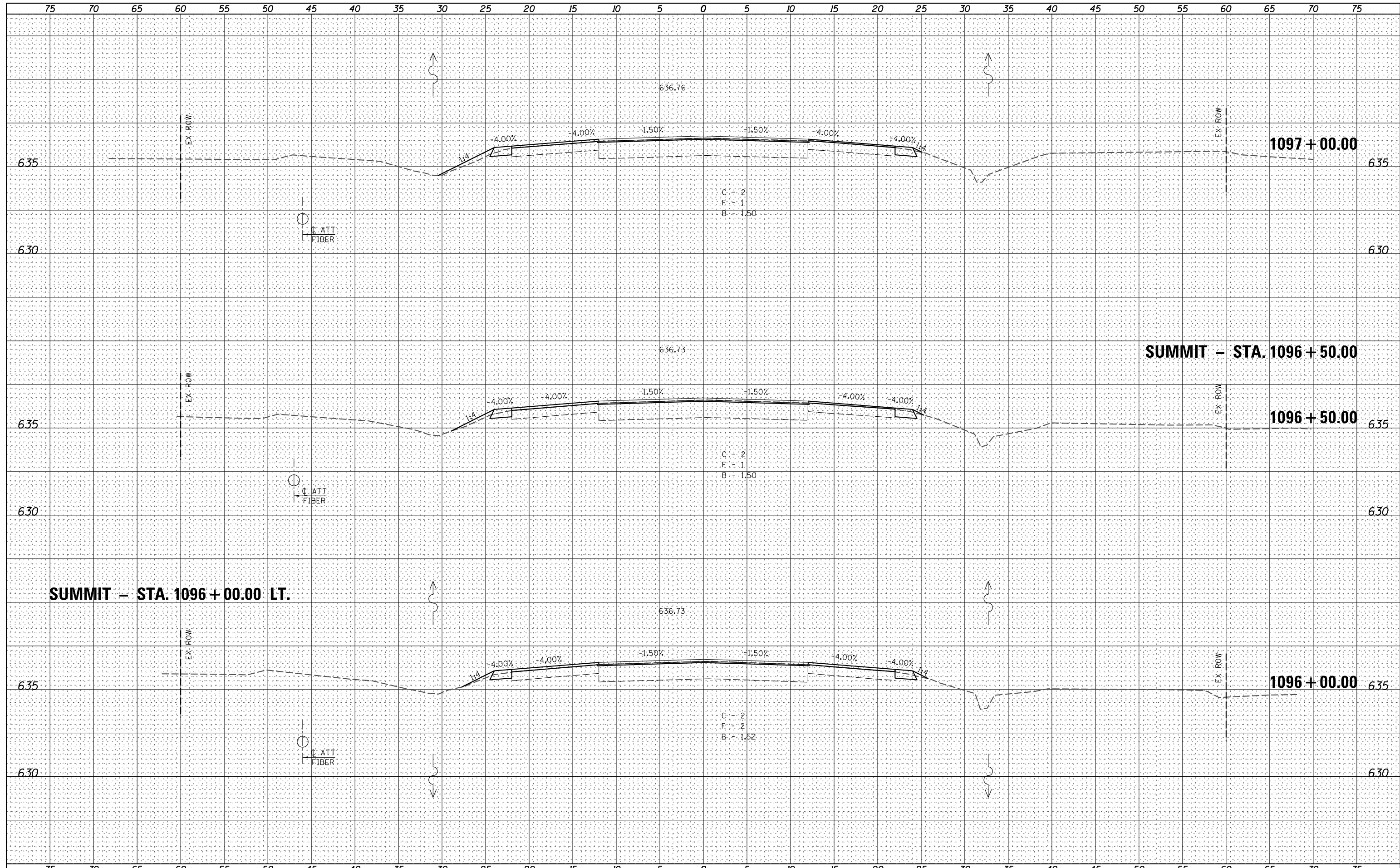
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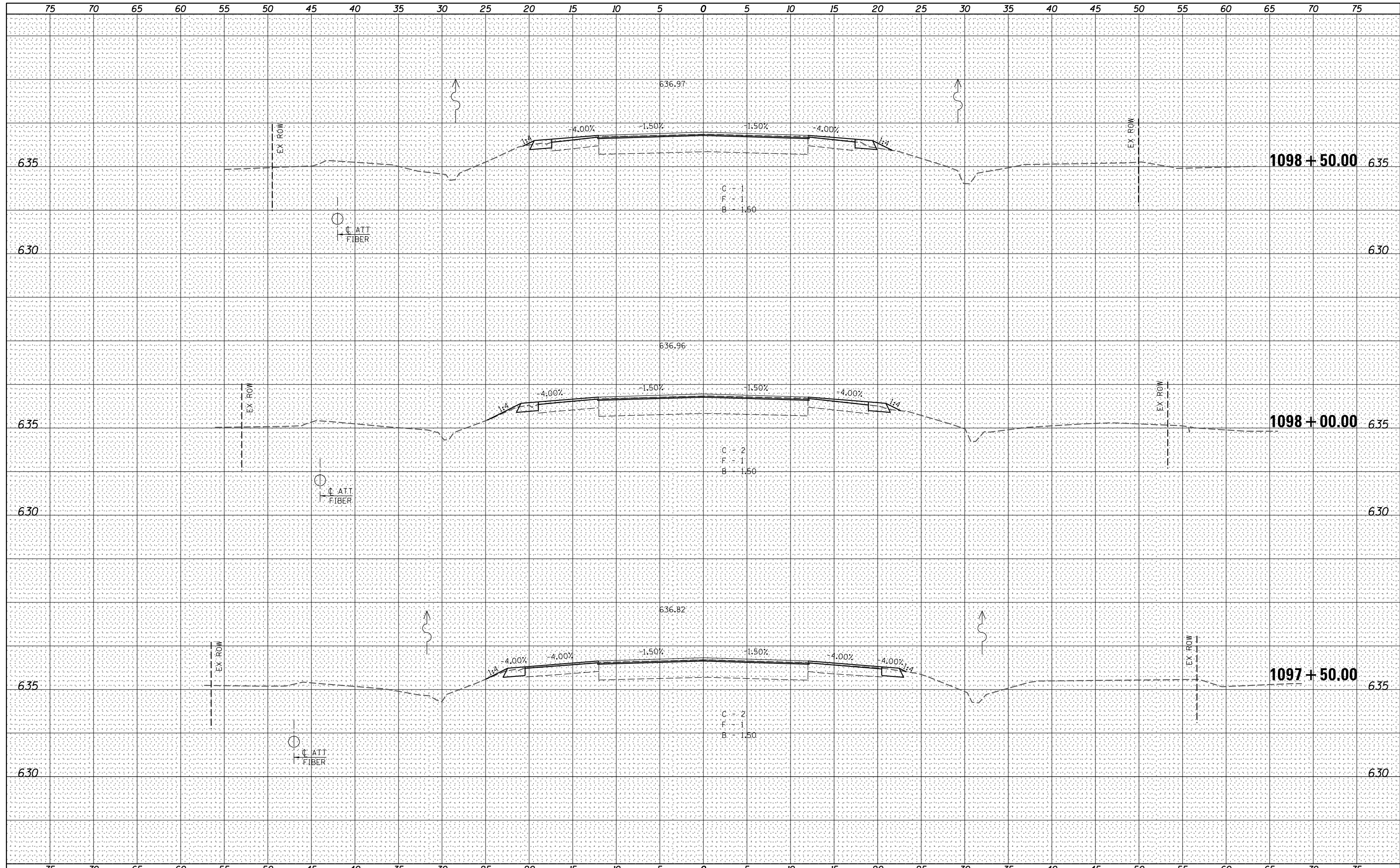
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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| *FILE# | PLOT SCALE = *SCALE* | DRAWN - | REVISED - | | | | 67 | 3 (N, L, RS-3) | CASS | 64 | 61 |
| | PLOT DATE = *DATE* | CHECKED - | REVISED - | | SCALE: SHEET NO. 18 OF 21 SHEETS STA. 1096+00.00 TO STA. 1097+00.00 | | CONTRACT NO. 72075 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | |
| | | DATE - | REVISED - | | | | | | | | |

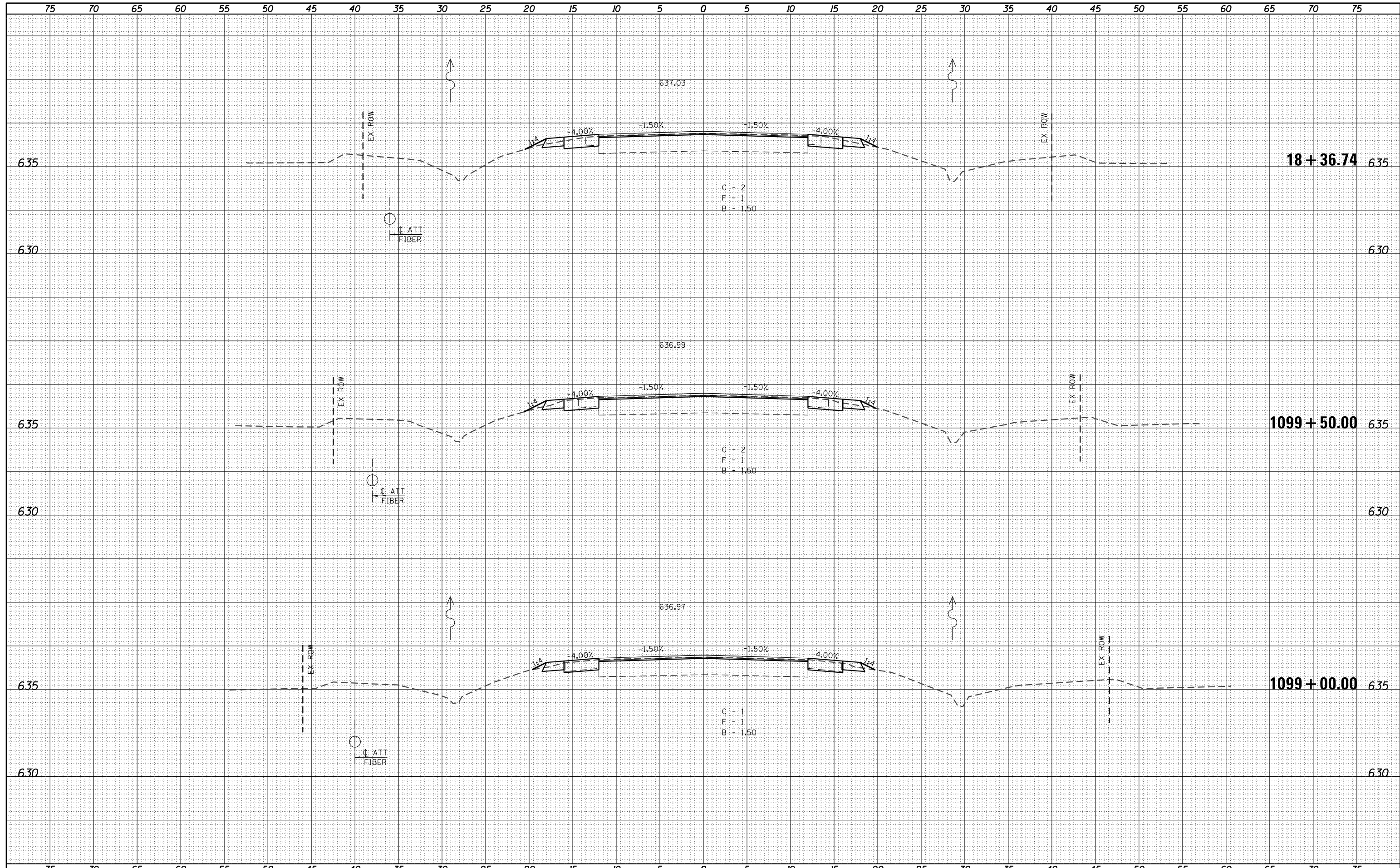
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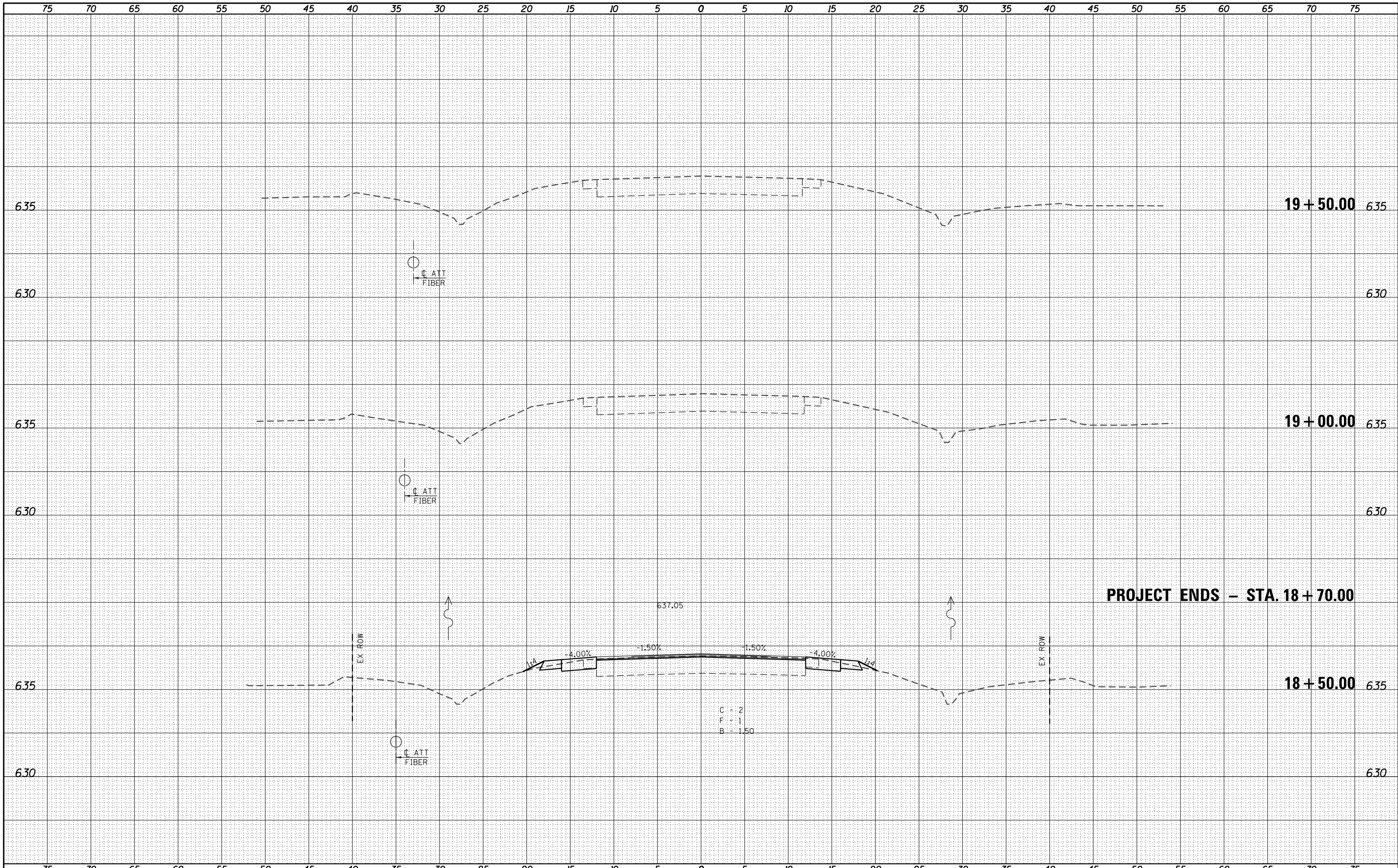


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| FILE NAME = | USER NAME = *USER* | DESIGNED - | REVISED - |  Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL 62703 Phone: (217)544-8033 IL Design Firm No. 184-001907 | CROSS SECTIONS | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| *FILEL* | | DRAWN - | REVISED - | | SCALE: | SHEET NO. 20 OF 21 SHEETS | STA. 1099+00.00 TO STA. 18+36.74 | 67 | 3 (N, L, RS-3) | CASS | 64 | 63 |
| | | CHECKED - | REVISED - | | | | | CONTRACT NO. 72075 | | | | |
| | | DATE - | REVISED - | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



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| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| ORIGINAL SURVEY | SURVEYED |
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Allen Henderson & Associates, Inc.
 Civil and Structural Engineers Springfield, IL.
 62703 Phone: (217)544-8033 IL Design Firm
 No. 184-001907

| CROSS SECTIONS | | |
|----------------|---------------------------|--------------------------------|
| SCALE: | SHEET NO. 21 OF 21 SHEETS | STA. 18+50.00 TO STA. 19+50.00 |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------------|-----------|
| 67 | 3 (N, L, RS-3) | CASS | 64 | 64 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 72075 | |