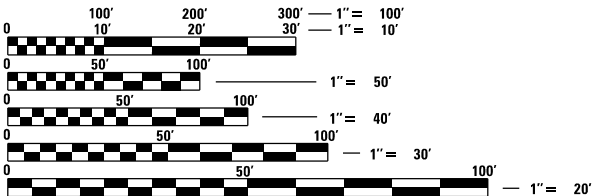


INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND COMMITMENTS
- 3 ALIGNMENT, TIES, BENCHMARKS & ENTRANCE DETAILS
- 4 - 6 SUMMARY OF QUANTITIES
- 7 TYPICAL SECTIONS
- 8 SCHEDULE OF QUANTITIES
- 9 PLAN AND PROFILE
- 10 - 14 BRIDGE PLANS
- 15 - 33 CROSS SECTIONS

STANDARDS (IN PROPOSAL)

| | |
|-----------|-----------------------------------------------------------------------------------------|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 515001-04 | NAME PLATE FOR BRIDGES |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| BLR 21-9 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |



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 MANAGER: MARK R. LEIGHTON, P.E., P.L.S.



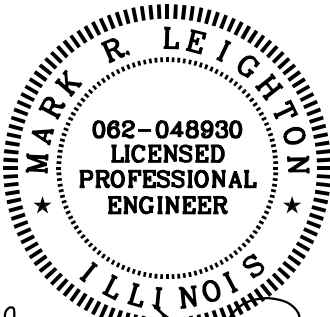
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
BRIDGE REPLACEMENT
LOCAL FUNDS PROJECT

TR 251 (800 N. RD.) OVER TWO MILE SLOUGH
TOLONO TOWNSHIP
SECTION 19-29081-00-BR
CHAMPAIGN COUNTY

UTILITY COMPANIES:
EASTERN ILLINI ELECTRIC COOPERATIVE
330 W. OTTAWA
PO BOX 96
PAXTON, IL 60957
CONTACT: BRIAN J. RONNA



PROPOSED
SECTION 19-29081-00-BR
BEGINS STA. 7+30.00
ENDS STA. 12+70.00
EXIST. SN 010-4084
PROP. SN 010-4590



Signature of Mark R. Leighton
Expires: 11/30/2021 9-29-20

LOCATION MAP

TOTAL LENGTH = 540 FEET (0.102 MI)
NET LENGTH = 540 FEET (0.102 MI)

THE WORK CONSISTS OF REMOVING THE EXISTING BRIDGE (S.N. 011-4084) AND CONSTRUCTING A NEW STRUCTURE (S.N. 011-4590) AT STA. 10+00.00 WITH A SINGLE-SPAN PRESS BREAK TUB GIRDER BRIDGE, 0° SKEW, VARIABLE WIDTH TRANSITION APPROACHES AND OTHER COLLATERAL WORK.



FUNCTIONAL CLASSIFICATION – LOCAL ROAD

ADT = 100
ADTT = 15
DESIGN SPEED = 30 MPH

APPROVED _____ 20 _____

COUNTY ENGINEER

APPROVED _____ 20 _____

ROAD COMMISSIONER

GENERAL NOTES

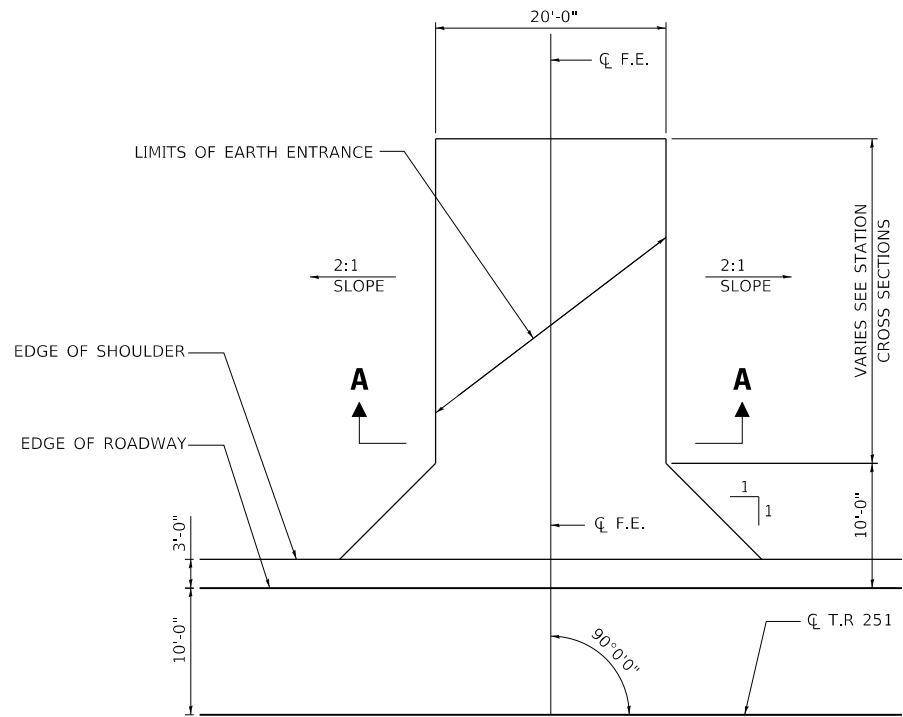
1. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
2. ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
3. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEMS INVOLVED.
4. THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
TEMPORARY EROSION CONTROL SEEDING: 100 LB/ACRE
AGGREGATE BASE COURSE: 2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB/SQ FT
BITUMINOUS MATERIALS (COVER AND SEAL COAT): 0.25 LB/SQ FT
COVER COAT & SEAL COAT AGGREGATE: 23 LB/SQ YD
RIPRAP: 1.50 TONS/CU YD
5. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
6. DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE ALL SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS AND TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE PERMANENT LOCATION FOR EXISTING SIGNS TO BE RE-ERECTED.
8. CONTRACTOR SHALL FOLLOW CONSTRUCTION REQUIREMENTS OF SECTION 611 WHEN EXISTING FIELD TILE IS ENCOUNTERED. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED, REPAIRED AND CONNECTED TO THE PROPOSED DRAINAGE STRUCTURES, SEWERS OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
9. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
10. EMBANKMENTS ON HILLSIDES OR SLOPES SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 205.03.
11. THE EXISTING A-3 ROAD SURFACE AT ALL LOCATIONS WITHIN THE PROJECT LIMITS SHALL BE DISCED, PLOWED, SCARIFIED OR OTHERWISE BROKEN UP TO A DEPTH OF NOT LESS THAN 6 INCHES PRIOR TO THE INCORPORATION OF ADDITIONAL EMBANKMENT AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED WITH EARTH EXCAVATION.

GENERAL NOTES

12. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT SITE.
13. CONTRACTOR SHALL VERIFY THE LENGTH OF REQUIRED PIPE CULVERTS PRIOR TO ORDERING.
14. WHERE PERMANENT SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
15. THE CONTRACTOR SHALL USE CARE IN ALL REMOVAL ACTIVITIES NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

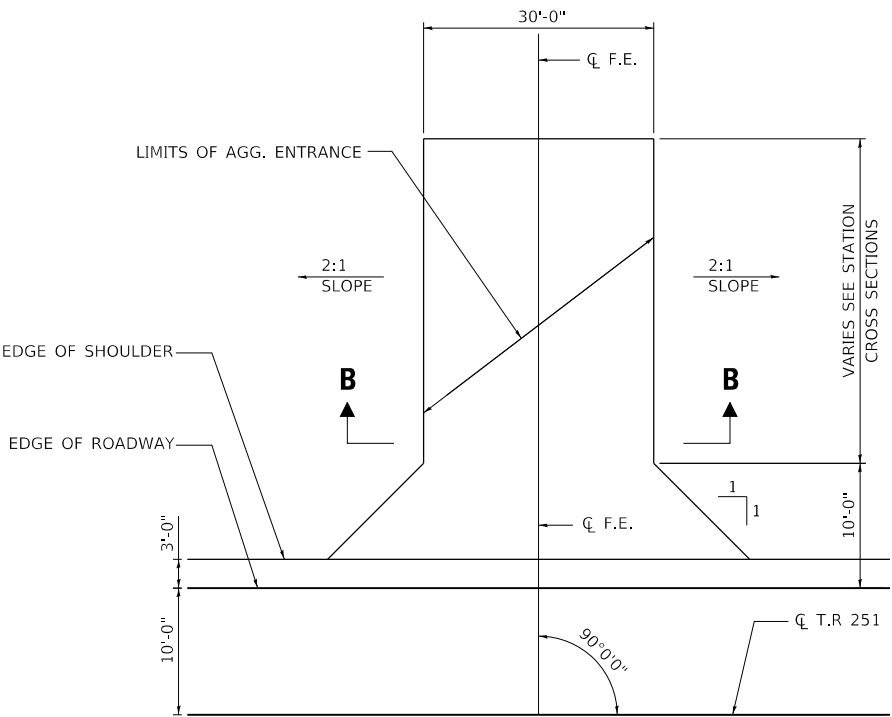
COMMITMENTS

1. NO COMMITMENTS AT THIS TIME.



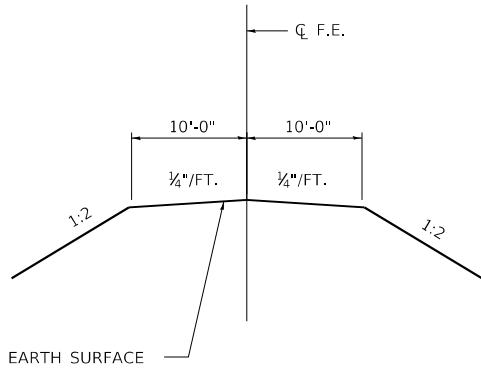
FIELD ENTRANCE

F.E. RT. STA. 8+41.00
F.E. LT. STA. 9+50.00
F.E. RT. STA. 10+55.00



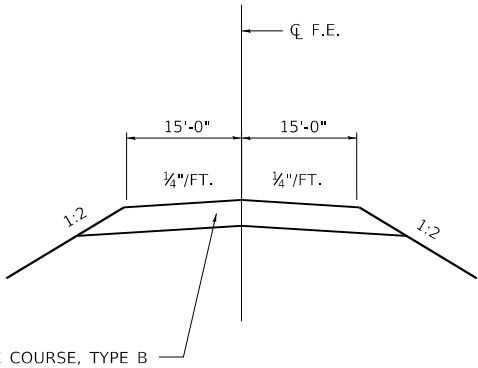
FIELD ENTRANCE

F.E. LT. STA. 10+69.00



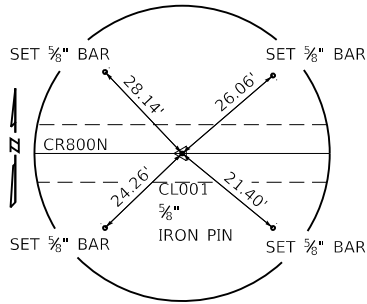
SECTION A-A

BM1 STA 9+76.41, 37.09' LT
RR SPIKE SET IN SOUTH FACE OF 8" P.P.
43.3' NORTHWEST OF CENTER OF PROJECT BRIDGE
ELEVATION = 688.96



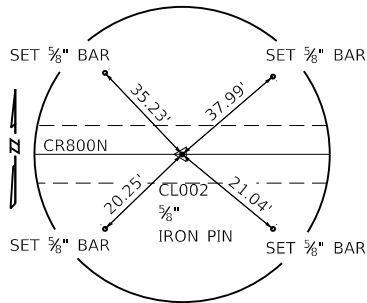
SECTION B-B

BM2 STA 7+71.84, 23.32' LT
RR SPIKE SET IN SOUTH FACE OF 8" P.P.
229' NORTHWEST OF CENTER OF PROJECT BRIDGE
ELEVATION = 687.32



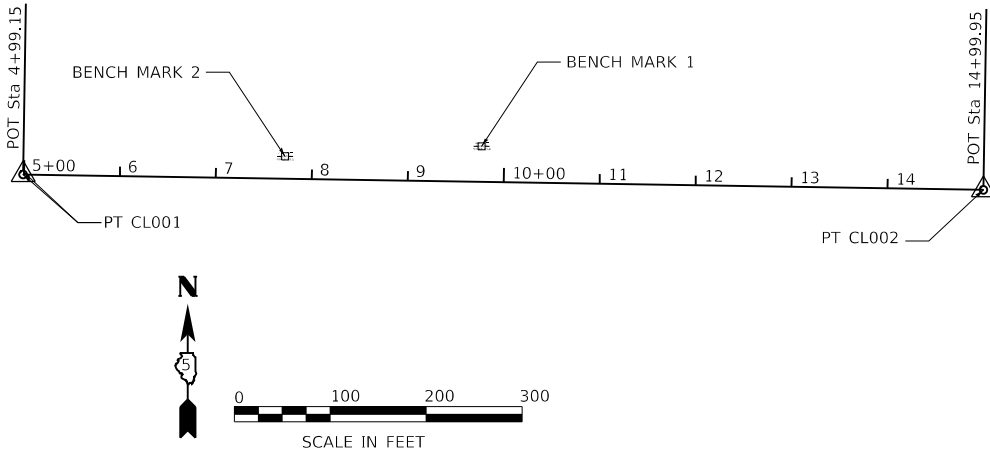
CONTROL POINT CL001

5/8" PIN FOUND
STA. 4+99.15, 0.0' LT
N 1,212,573.322
E 990,713.752



CONTROL POINT CL002

5/8" PIN FOUND
STA. 14+99.95, 0.0' LT
N 1,212,557.285
E 991,714.425

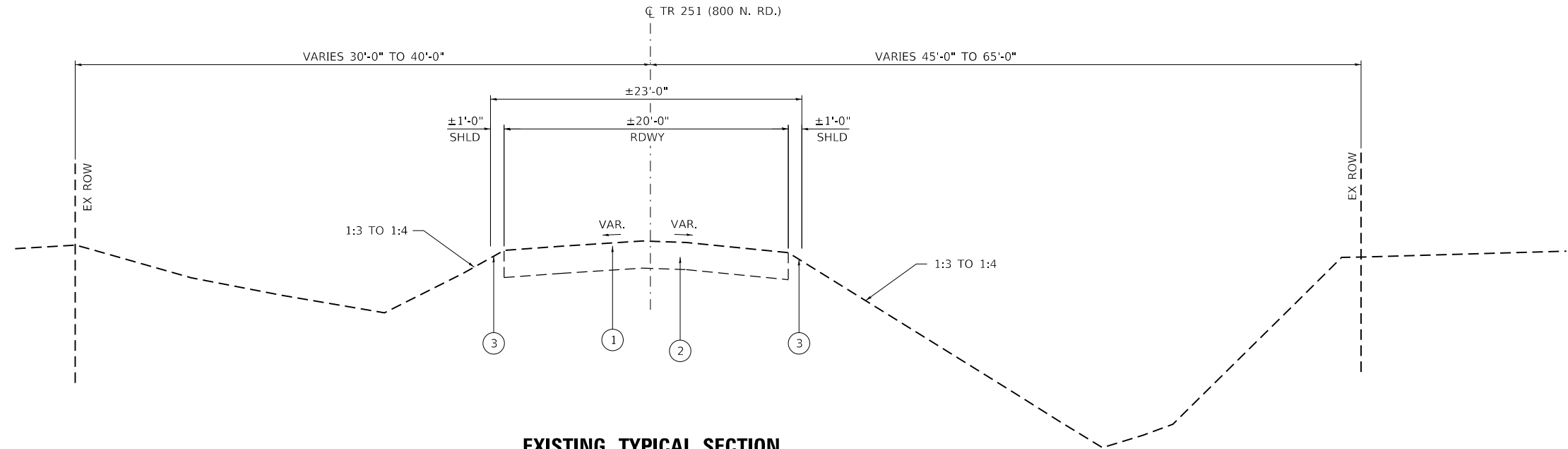


| ALIGNMENT COORDINATES TR 251 (800 N. RD.) | | | | |
|-------------------------------------------------------------|---|---------------|---|--------------------------|
| Point CL001 | N | 1,212,573.322 | E | 990,713.752 Sta 4+99.15 |
| Course from CL001 to CL002 S 89° 04' 54.6" E Dist 1,000.801 | | | | |
| Point CL002 | N | 1,212,557.285 | E | 991,714.425 Sta 14+99.95 |

| | | | | CONSTR. CODE |
|----------|-------------------------------------------|-------|----------------|---------------|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | NONE |
| | | | | 0001 |
| | | | | S.N. 010-4590 |
| | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 82 | 82 |
| | | | | |
| 20300100 | CHANNEL EXCAVATION | CU YD | 260 | 260 |
| | | | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 821 | 821 |
| | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 84 | 84 |
| | | | | |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 16 | 16 |
| | | | | |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 4 | 4 |
| | | | | |
| 35101400 | AGGREGATE BASE COURSE, TYPE B | TON | 511 | 511 |
| | | | | |
| 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 181 | 181 |
| | | | | |
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 | 1 |
| | | | | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 123 | 123 |
| | | | | |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 78 | 78 |
| | | | | |
| 50300225 | CONCRETE STRUCTURES | CU YD | 25 | 25 |
| | | | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 3030 | 3030 |
| | | | | |
| 51200957 | FURNISHING METAL SHELL PILES 12" X 0.250" | FOOT | 315 | 315 |
| | | | | |

| | | | | CONSTR. CODE |
|----------|-------------------------------------------------|-------|----------------|---------------|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | NONE |
| | | | | 0001 |
| | | | | S.N. 010-4590 |
| | | | | |
| 51202305 | DRIVING PILES | FOOT | 315 | 315 |
| | | | | |
| 51203200 | TEST PILE METAL SHELLS | EACH | 1 | 1 |
| | | | | |
| 51500100 | NAME PLATES | EACH | 1 | 1 |
| | | | | |
| 542D0223 | PIPE CULVERTS, CLASS D, TYPE 1 18" | FOOT | 40 | 40 |
| | | | | |
| 542D0229 | PIPE CULVERTS, CLASS D, TYPE 1 24" | FOOT | 46 | 46 |
| | | | | |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 40.1 | 40.1 |
| | | | | |
| 59300100 | CONTROLLED LOW-STRENGTH MATERIAL | CU YD | 56.7 | 56.7 |
| | | | | |
| 60100955 | PIPE DRAINS 15" | FOOT | 40 | 40 |
| | | | | |
| 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 4 | 4 |
| | | | | |
| X2501000 | SEEDING, CLASS 2 (SPECIAL) | ACRE | 0.5 | 0.5 |
| | | | | |
| X7011800 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 | L SUM | 1 | 1 |
| | | | | |
| XX004565 | GROUTED RIPRAP | SQ YD | 560 | 560 |
| | | | | |
| XX004566 | CONCRETE CUT-OFF WALL | CU YD | 5.3 | 5.3 |
| | | | | |
| | ERECTING SUPERSTRUCTURE | L SUM | 1 | 1 |
| | | | | |

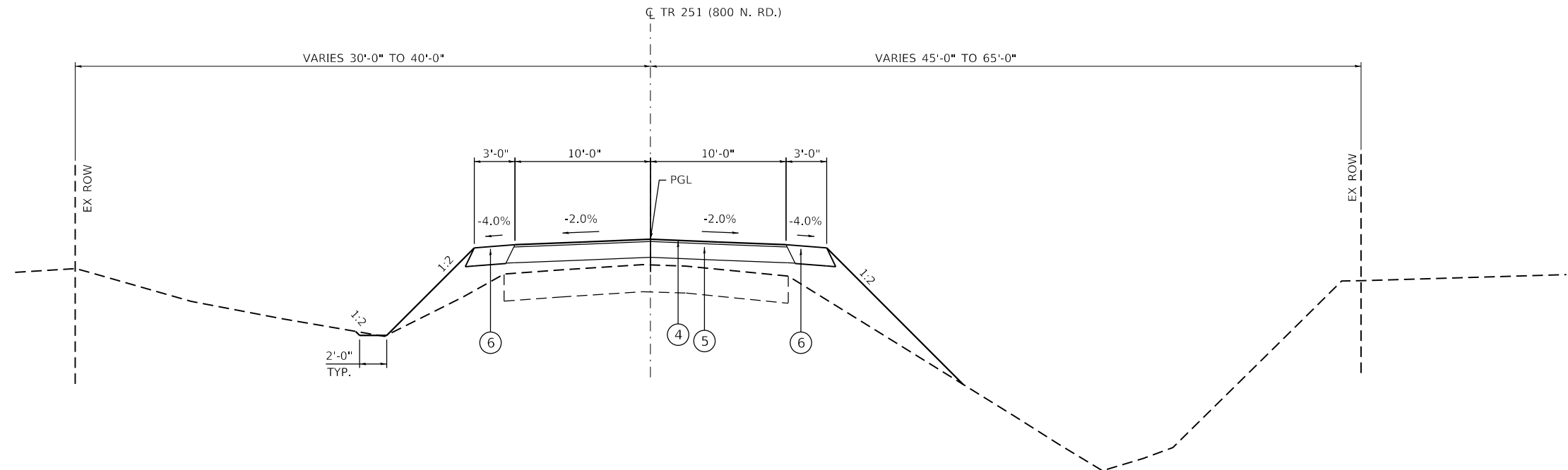
[illegible]



EXISTING TYPICAL SECTION

STA. 7+30.00 TO STA. 12+70.00
(LOOKING EAST)

BRIDGE OMISSION:
STA. 9+71.50 TO STA. 10+28.50 (SN 010-4590)



PROPOSED TYPICAL SECTION

STA. 7+80.00 TO STA. 12+20.00
(LOOKING EAST)

TRANSITION FROM PROPOSED ROADWAY TO
THE EXISTING ROADWAY TO BE CONSTRUCTED
FROM STA. 7+30.0 TO STA. 7+80.00 AND FROM
STA. 12+20.00 TO STA. 12+70.00.

LEGEND

- ① EX OIL & CHIP
- ② EX AGGREGATE BASE COURSE
- ③ EX EARTH SHOULDER
- ④ PR A-3 SURFACE (BY OTHERS)
- ⑤ PR AGGREGATE BASE COURSE, TYPE B (8")
- ⑥ PR AGGREGATE SHOULDERS, TYPE B (8")

MODEL: Default
FILE: \\nas01\champaign\County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-ehc\typical.dgn

design firm
no. 184001036


engineers • planners • land surveyors

| | | | | |
|------------|-------------------|----------|-------|---------|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED |
| | | CHECKED | - MRL | REVISED |
| PLOT SCALE | = 10,0000 " / in. | DRAWN | - GSI | REVISED |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| TYPICAL SECTIONS | | | |
|-----------------------------|---------|------------------|--------|
| TR 251 OVER TWO MILE SLOUGH | | | |
| SCALE: 1"=5' | SHEET 1 | OF 1 | SHEETS |
| STA. 7+30.00 | | TO STA. 12+70.00 | |

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 7 |
| CONTRACT NO. XXXXX | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| LOCATION | 20200100 | 20300100 | FOR INFORMATION ONLY | | 20400800 |
|--------------------------------|---------------------|-----------------------|-------------------------------------------------------------------------------------|----------------------|------------------------------------------------------|
| | EARTH EXCAVATION | CHANNEL EXCAVATION | EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (EXC. x 0.75) | EMBANKMENT (FILL) | EARTHWORK BALANCE WASTE(+) AND SHORTAGE (-) |
| | CU. YD. | CU. YD. | CU. YD. | CU. YD. | CU. YD. |
| STA. 7+30.00 TO STA. 9+71.50 | 47 | | 35 | 520 | -485 |
| STA. 9+71.50 TO STA. 10+28.50 | | 260 | * 130 | | 130 |
| STA. 10+28.50 TO STA. 12+70.00 | 35 | | 26 | 492 | -466 |
| TOTAL | 82 | | 191 | 1012 | -821 |

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

*CHANNEL EXCAVATION USED IN EMBANKMENT= 50%

28000250 TEMPORARY EROSION CONTROL SEEDING

| | |
|----------------------------|-------|
| TR 251 | POUND |
| LT 9+30.00 TO LT 9+71.50 | 18 |
| LT 10+28.50 TO LT 12+70.00 | 18 |
| RT 9+30.00 TO RT 9+71.50 | 27 |
| RT 10+28.50 TO RT 12+70.00 | 21 |
| TOTAL | 84 |

28000305 TEMPORARY DITCH CHECKS

| | |
|-------------|------|
| TR 251 | FOOT |
| LT 8+25.00 | 8 |
| LT 12+00.00 | 8 |
| TOTAL | 16 |

28000500 INLET AND PIPE PROTECTION

| | |
|------------------|------|
| TR 251 | EACH |
| LT 24.7' 9+30.00 | 1 |
| LT 23' 10+90.00 | 1 |
| RT 30' 8+24.00 | 1 |
| RT 30' 10+64.00 | 1 |
| TOTAL | 4 |

35101400 AGGREGATE BASE COURSE, TYPE B

| | |
|----------------------------|-----|
| TR 251 | TON |
| CL 7+30.00 TO CL 7+80.00 | 53 |
| CL 7+80.00 TO CL 9+71.50 | 201 |
| CL 10+28.50 TO CL 12+20.00 | 201 |
| CL 12+20.00 TO CL 12+70.00 | 56 |
| TOTAL | 511 |

48101200 AGGREGATE SHOULDERS, TYPE B

| | |
|----------------------------|-----|
| TR 251 | TON |
| LT 7+30.00 TO LT 9+71.50 | 45 |
| LT 10+28.50 TO LT 12+70.00 | 44 |
| RT 7+30.00 TO RT 9+71.50 | 47 |
| RT 10+28.50 TO RT 12+70.00 | 45 |
| TOTAL | 181 |

50105220 PIPE CULVERT REMOVAL

| | |
|-------------|------|
| TR 251 | FOOT |
| LT 9+50.00 | 52 |
| LT 10+25.00 | 31 |
| LT 10+50.00 | 40 |
| TOTAL | 123 |

542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"

| | |
|-------------|------|
| TR 251 | FOOT |
| LT 10+50.00 | 40 |
| TOTAL | 40 |

542D0229 PIPE CULVERTS, CLASS D, TYPE 1 24"

| | |
|------------|------|
| TR 251 | FOOT |
| LT 9+50.00 | 46 |
| TOTAL | 46 |

60100955 PIPE DRAINS 15"

| | |
|--------------|------|
| TR 251 | FOOT |
| LT 100+30.00 | 40 |
| TOTAL | 40 |

72501000 TERMINAL MARKER - DIRECT APPLIED

| | |
|----------------|------|
| TR 251 | EACH |
| LT/RT 9+71.50 | 2 |
| LT/RT 10+28.50 | 2 |
| TOTAL | 4 |

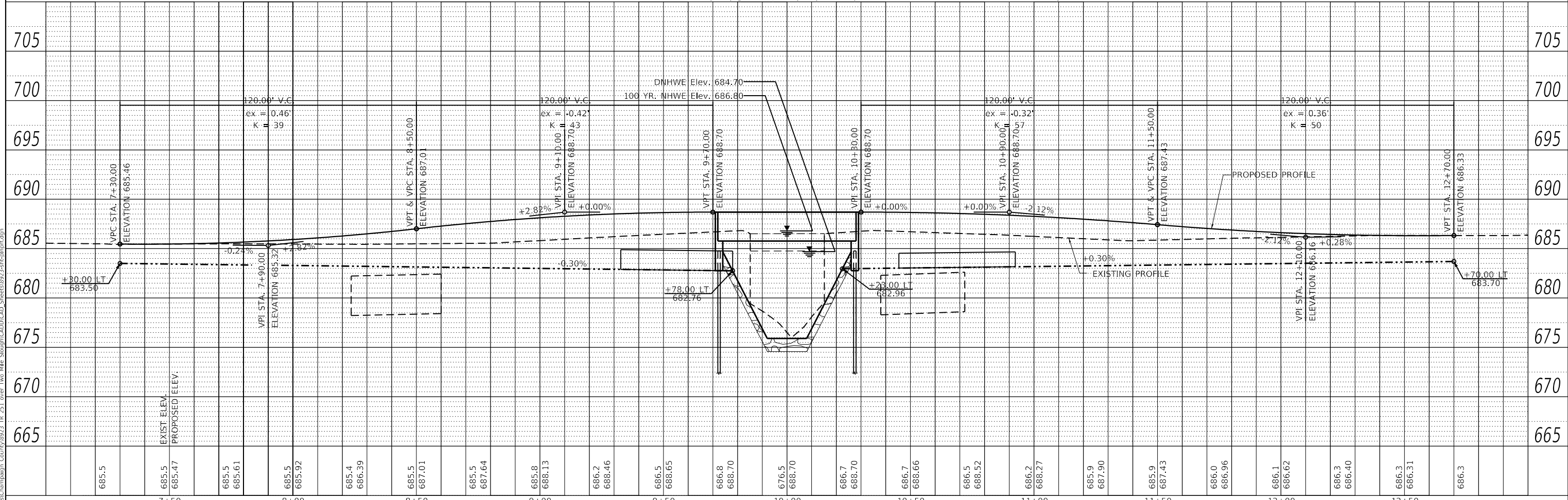
X2501000 SEEDING, CLASS 2 (SPECIAL)


| | |
|----------------------------|------|
| TR 251 | ACRE |
| LT 9+30.00 TO LT 9+71.50 | 0.13 |
| LT 10+28.50 TO LT 12+70.00 | 0.13 |
| RT 9+30.00 TO RT 9+71.50 | 0.13 |
| RT 10+28.50 TO RT 12+70.00 | 0.13 |
| TOTAL | 0.50 |

X7011800 TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21

| | |
|--------|-------|
| TR 251 | L SUM |
| TOTAL | 1 |

| | | | |
|-----------------|---------------------------------|----------|------------|
| PROFILE | SURVEYED _____ | BY _____ | DATE _____ |
| | PLOTTED _____ | | |
| NOTE BOOK _____ | GRADES CHECKED _____ | | |
| NO. _____ | B.M. NOTED _____ | | |
| | STRUCTURE NOTATIONS CHK'D _____ | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------|------|------|----------------|-------|-------|-------|---------|-------|-------|---------------|-------------|----------------|-----------|-----------------|--------------|--------------------|--|--------|--|--------------|--|------------------|--|--|--|----------|--|------------------|--|
| design firm no. 184001036  engineers + planners + land surveyors | 7+50 | 8+00 | 8+50 | 9+00 | 9+50 | 10+00 | 10+50 | 11+00 | 11+50 | 12+00 | 12+50 | | | | | | | | | | | | | | | | | | | | |
| | USER NAME = \$OPERATOR\$ | | | | DESIGNED - BJJ | | | | REVISED | | | | T.R RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | | | | | | | | | | | | | |
| | CHECKED - MRL | | | | REVISED | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PLOT SCALE = 40,0000 ' / in. | | | | DRAWN - GSJ | | | | REVISED | | | | 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 9 | | | | | | | | | | | | | | |
| | PLOT DATE = 8/20/2020 | | | | CHECKED - RKA | | | | REVISED | | | | | | | | | CONTRACT NO. XXXXX | | | | | | | | | | | | | |
| | | | | | | | | | | | | SCALE: 1"=20' | | | | SHEET 1 | | OF 1 | | SHEETS | | STA. 7+30.00 | | TO STA. 12+70.00 | | | | ILLINOIS | | FED. AID PROJECT | |

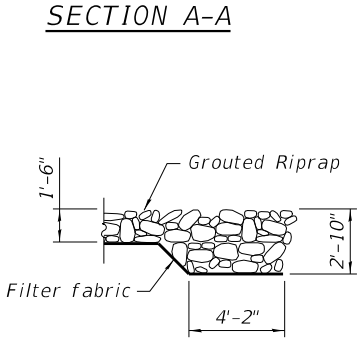
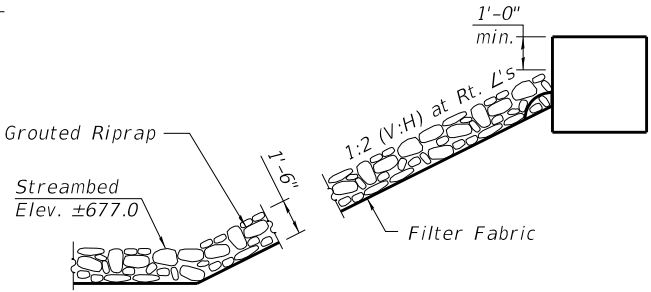
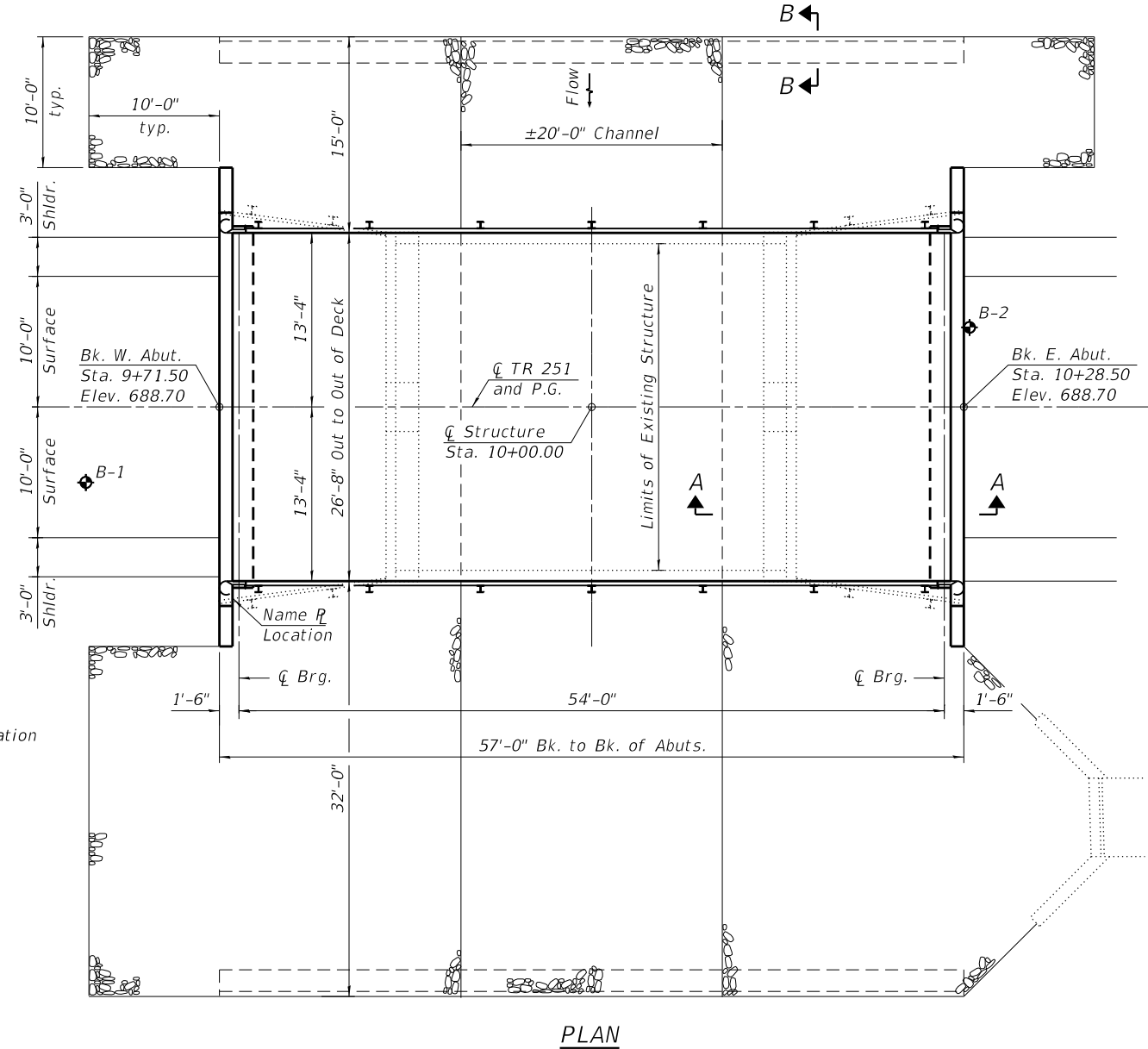
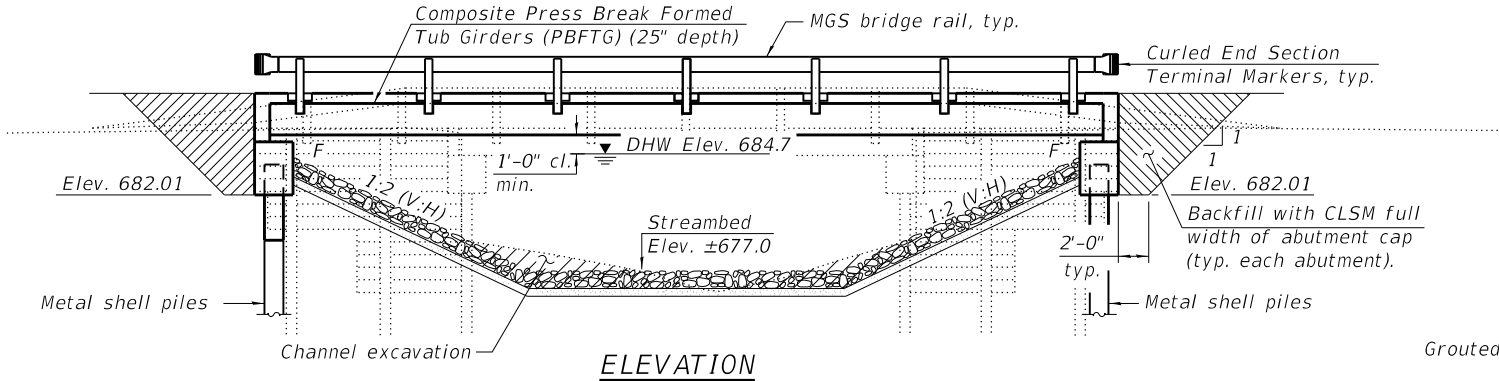
LAST SAVED DATE: 11/28/2019 11:59:00 AM

FILE NAME: L:\Jobs\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD_Sheets\010-4590.dgn

Benchmark: BM #1 RR spike set in south face of 8" wooden power pole 43.3' N.W. of center of project bridge - Sta. 9+76.41, 37.09' Lt., Elev. 688.96

Existing Structure: SN 010-4084 is a single-span precast slab bridge on concrete abutments with timber lagging and wings 31'-5" back-to-back of abutments, 0 deg skew and the out-to-out bridge width is 26'-3". Structure is to be removed and replaced. Road is to be closed during construction.

Salvage: No salvage.



INDEX OF SHEETS

- General Plan & Elevation
- General Data
- Abutment Details
- Metal Shell Piles
- Soil Borings

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications
8th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

SUBSTRUCTURE FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.102g
Design Spectral Acceleration at 0.2 sec. (S_{Ds}) = 0.191g
Soil Site Class = C



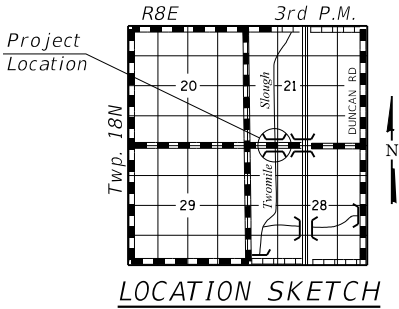
9/28/20
Expires: 11/30/2020

I certify that to the best of knowledge, information and belief, this Bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications.

GENERAL PLAN AND ELEVATION
TR 251 OVER TWO MILE SLOUGH
SECTION 19-29081-00-BR
CHAMPAIGN COUNTY
STATION 10+00
STRUCTURE NO. 010-4590

TWO MILE SLOUGH
BUILT 20 BY
CHAMPAIGN COUNTY
SEC. 19-29081-00-BR
STA. 10+00
STR. NO. 010-4590 LOADING HL93

NAME PLATE
See Std. 515001



| | | |
|------------------------------|-------------------|---------|
| USER NAME = dtheberling | DESIGNED - BJJ | REVISED |
| FILE NAME = 010-4590.dgn | CHECKED - CEH | REVISED |
| PLOT SCALE = 0.2" = 1' / in. | DRAWN - DLH | REVISED |
| PLOT DATE = 9/28/2020 | CHECKED - CEH/MRL | REVISED |

Champaign County Highway Department

STRUCTURE NO. 010-4590

SHEET NO. 1 OF 5 SHEETS

| TR RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 10 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

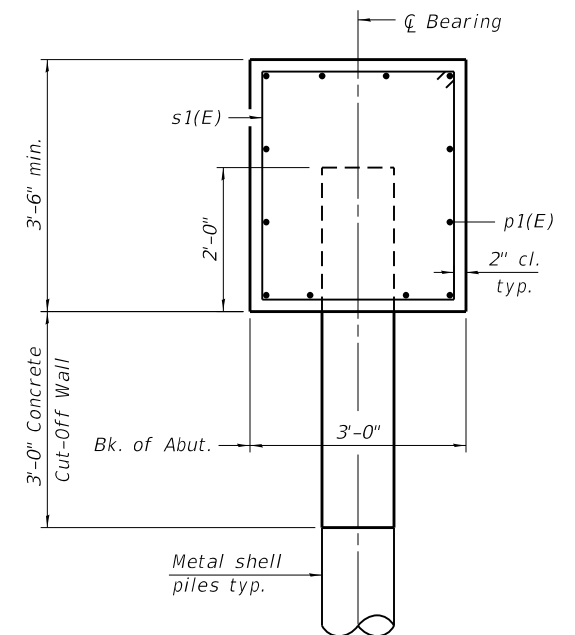
LAST SAVED DATE: \$LASTSAVEDDATE\$

FILE NAME: L:\Jobs\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD_Sheets\010-4590.dgn

1. *All work shall be completed in accordance with the applicable sections of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction except as mentioned herein.*
2. *The prefabricated superstructure units are being fabricated and supplied by others (herein referred to as the Fabricator) on an advanced contract. See special provisions and shop drawings for additional information.*
3. *The profile grade elevations shown are applicable to the top of the bridge deck prior to placement of the thin polymer overlay.*
4. *Reinforcement bars designated (E) shall be epoxy coated.*
5. *Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.*
6. *Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ in. (0.01 ft). Adjustments shall be made either by grinding the surface or by shimming the bearings.*
7. *The indicated anchor bolt diameter, length, and material grade are minimums and may be increased as determined necessary by the Fabricator's SE. See Erecting Superstructure Special Provision for addition details.*
8. *PJF shall conform to the material specifications of Article 1051.09 except the pressure indicated in Section 1051.09(a)(1) is limited to 15 psi max. The PJF along the abutment cap may be made up of layers of multiple thicknesses and should be lightly compressed by the backwall after the superstructure is set in place.*
9. *Controlled low strength material shall not be placed behind the abutments until the superstructure is in place.*

| Drainage Area | | 5.56 sq. mi. | Existing Low Grade Elevation: 685.44 ft. @ Sta. 8+20 Proposed Low Grade Elevation: 685.46 ft. @ Sta. 7+30 | | | | | | |
|---------------|---------------|--------------|--------------------------------------------------------------------------------------------------------------|----------|-------------------|------------|----------|-----------------|----------|
| Flood | Freq. Year | Q cfs | Opening sq. ft. | | Natural H.W.E. | Head (ft.) | | Headwater Elev. | |
| | | | Existing | Proposed | | Existing | Proposed | Existing | Proposed |
| Design | 15 | 980 | 195 | 295 | 684.7 | 0.4 | 0.1 | 685.1 | 684.8 |
| Base | 100 | 1600 | 195 | 348 | 686.8 | 0.8 | 0.6 | 687.6 | 687.4 |
| Scour Chec | 200 | 1840 | 195 | 348 | 687.5 | 0.5 | 0.6 | 688.0 | 688.1 |
| Max. Calc. | 500 | 2170 | 195 | 348 | 688.0 | 0.5 | 0.6 | 688.5 | 688.6 |

whks
+ planners + land surveyors



TYPICAL SECTION THRU ABUTMENT

[illegible]

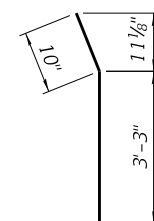
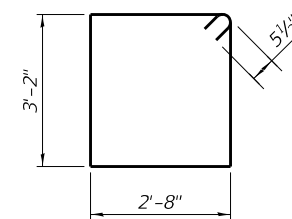
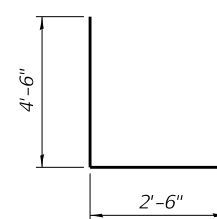
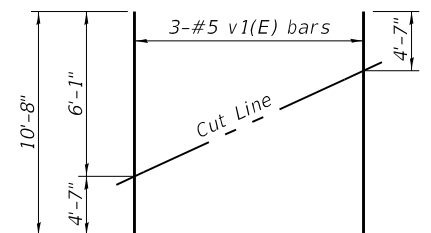
| Bar | No. | Size | Length | Shape |
|-----------------------------------------------|-----|------|---------|-------|
| h1(E) | 8 | #5 | 4'-1" | ———— |
| h2(E) | 24 | #5 | 3'-8" | ———— |
| h3(E) | 32 | #5 | 7'-7" | ———— |
| | | | | |
| p1(E) | 28 | #7 | 26'-4" | ———— |
| | | | | |
| s1(E) | 48 | #5 | 12'-7" | □ |
| | | | | |
| u1(E) | 16 | #6 | 11'-6" | ⌋ |
| | | | | |
| v1(E) | 12 | #5 | 10'-8" | ———— |
| v2(E) | 16 | #5 | 6'-1" | ———— |
| | | | | |
| Structure Excavation | | | Cu. Yd. | 78 |
| Concrete Structures | | | Cu. Yd. | 25.0 |
| Reinforcement Bars, Epoxy Coated | | | Pound | 3,030 |
| Furnishing Metal Shell Piles, 12" x 0.250" | | | Foot | 315 |
| Driving Piles | | | Foot | 315 |
| Test Pile Metal Shell | | | Each | 1 |
| Controlled Low-Strength Material | | | Cu. Yd. | 56.7 |
| Concrete Cut-Off Wall | | | Cu. Yd. | 5.3 |

| <i>Load</i> | <i>Reaction</i> |
|---------------------------------|-----------------|
| <i>Dead Load (DC)</i> | <i>25.0 k</i> |
| <i>Wearing Surface (DW)</i> | <i>12.0 k</i> |
| <i>Live Load (LL) Ext. Beam</i> | <i>58.3 k</i> |
| <i>Live Load (LL) Int. Beam</i> | <i>56.6 k</i> |

1. The hatched area shall be poured after the superstructure is in place.
2. For details of piles, see sheet 4 of 5.
3. See superstructure details for anchor bolt details.

Type: Metal Shell 12" Ø x 0.25" walls
Nominal Required Bearing: 292 kips
Factored Resistance Available: 161 kips
Est. Length: 35 ft.
No. Production Piles: 5

Type: Metal Shell 12" \varnothing x 0.25" walls
Nominal Required Bearing: 292 kips
Factored Resistance Available: 161 kips
Est. Length: 35 ft.
No. Production Piles: 4
No. Test Piles: 1


$$\underline{BAR \ h1(E)}$$

$$\underline{BAR \ s1(E)}$$

$$\underline{BAR \ u1(E)}$$


Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.

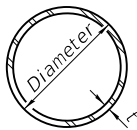
| | | |
|----------------------------|-------------------|---------|
| USER NAME = dheberling | DESIGNED - BJJ | REVISED |
| FILE NAME = 010-4590.dgn | CHECKED - CEH | REVISED |
| PLOT SCALE = 0.2" = 1' in. | DRAWN - DLH | REVISED |
| PLOT DATE = 9/28/2020 | CHECKED - CEH/MRL | REVISED |

Champaign County Highway Department

ABUTMENTS
STRUCTURE NO. 010-4590

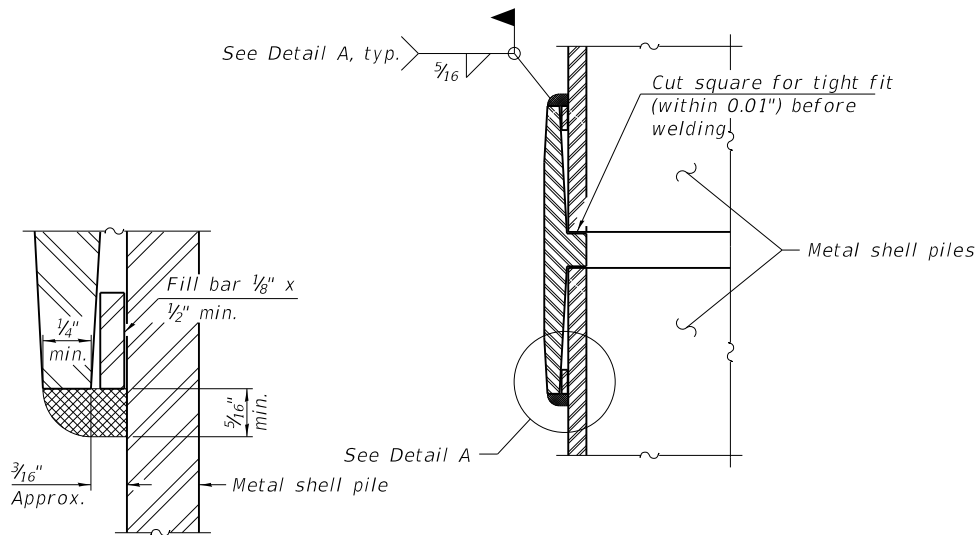
SHEET NO. 3 OF 5 SHEETS

| TR RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------|----------------|---------------------------|-----------------|--------------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 12 |
| | | CONTRACT NO. | | |
| | | ILLINOIS FED. AID PROJECT | | |

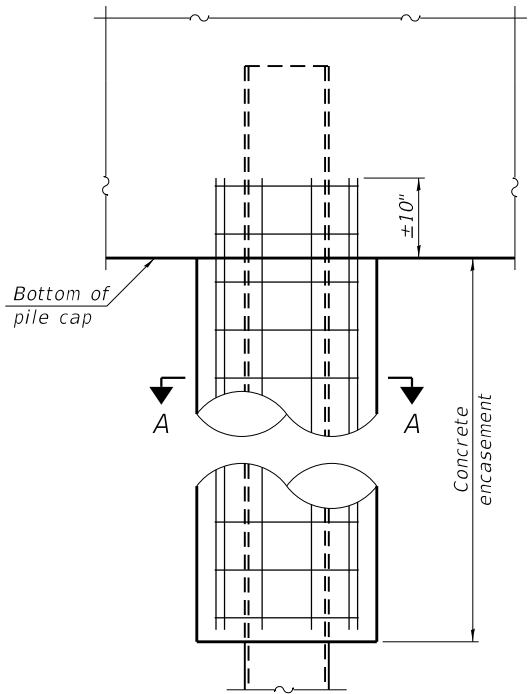


METAL SHELL PILE TABLE

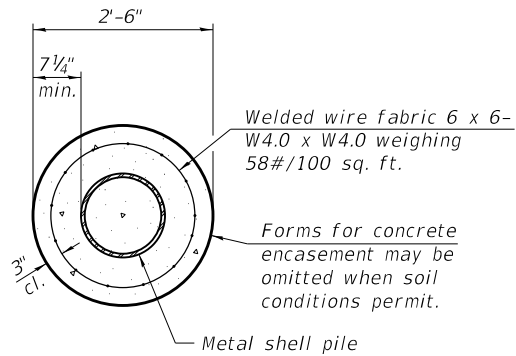
| Designation and outside diameter | Wall thickness t | Weight per foot (Lbs./ft.) | Inside volume (yd. ³ /ft.) |
|----------------------------------|------------------|----------------------------|---------------------------------------|
| PP12 | 0.250" | 31.37 | 0.0267 |
| PP14 | 0.250" | 36.71 | 0.0368 |
| PP14 | 0.312" | 45.61 | 0.0361 |
| PP16 | 0.312" | 52.32 | 0.0478 |
| PP16 | 0.375" | 62.64 | 0.0470 |



DETAIL A

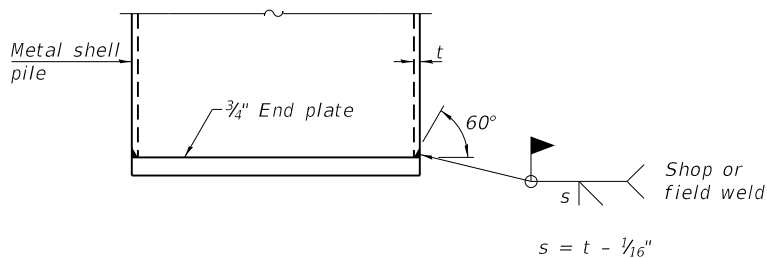


ELEVATION



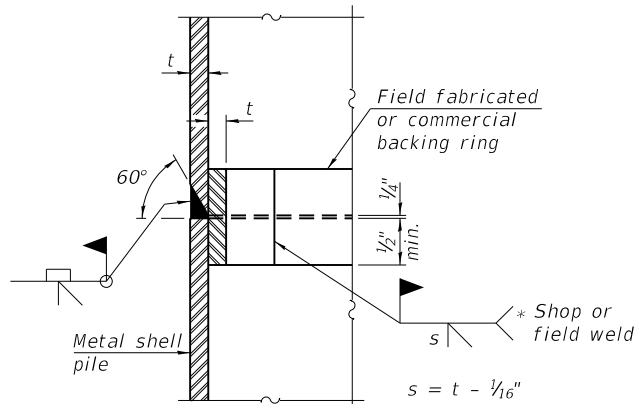
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT
(When specified)



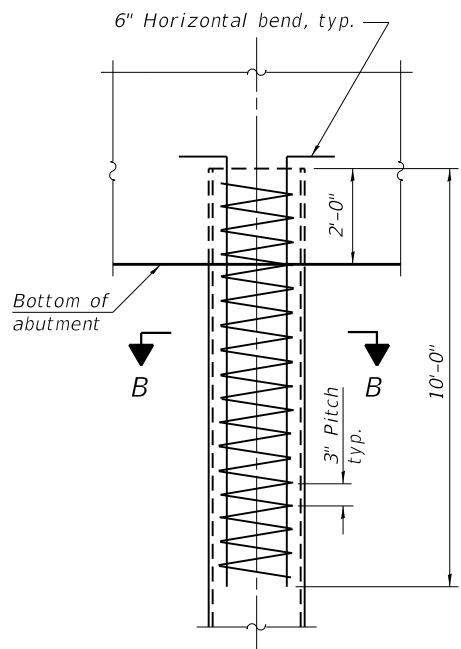
END PLATE ATTACHMENT

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

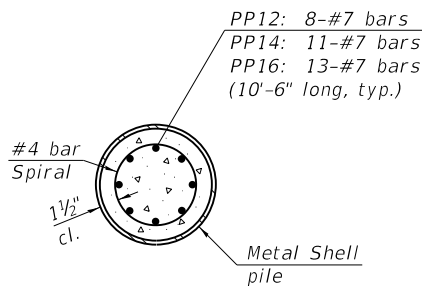


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

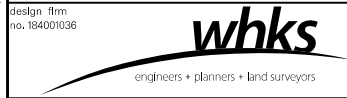


SECTION B-B

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 1-1-2020



| | | |
|------------------------------|-------------------|---------|
| USER NAME = dtheberling | DESIGNED - BJJ | REVISED |
| FILE NAME = 010-4590.dgn | CHECKED - CEH | REVISED |
| PLOT SCALE = 0.2' = 1' / in. | DRAWN - DLH | REVISED |
| PLOT DATE = 9/28/2020 | CHECKED - CEH/MRL | REVISED |

Champaign County Highway Department

METAL SHELL PILE DETAILS
STRUCTURE NO. 010-4590

SHEET NO. 4 OF 5 SHEETS

| TR RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 13 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

B-2 Approximate Elevation = 686.78

BRIDGE FOUNDATION SOIL BORING LOG

MET Midwest Engineering and Testing, Inc.

Boring: B-2
Page: Page 1 of 1
Date of Boring: September 25, 2019
Drilled By: Zach Wilcoxon
Checked By: Nick Wendling, P.E.
MET Project No: 93105

| Surface Water Elevation: 90.5 ft. Ground Water Elevation: when drilling: Dry at completion: Dry | D E P T H (ft.) | B L O W S (6") | Q _u (tsf) | MC (%) | Center of Bridge : STA 100+00 Elevation 100.00 | D E P T H (ft.) | B L O W S (6") | Q _u (tsf) | MC (%) |
|----------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------|---------------|-----------------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------|---------------|
| Ground Surface Elevation: 100.1 ft. | | - | 2.0P | 26 | Gray silty CLAY (CL) with sand and small gravel - Till | | | | |
| 3.5" Oil and Chip over 5.5" Crushed Stone | | | | | | | 5 7 9 | 3.2B | 12 |
| Black and brown mixed silty CLAY (OH) - Fill | | 2 3 4 | 2.5P | 28 | | 30 | | | |
| | 5 | | | | | | 6 8 11 | 4.0B | 23 |
| | | | 2 2 2 | 1.8B | | 22 | | | |
| Brown and gray clayey SILT (ML) with sand | | | 1 2 2 | 0.8B | | 23 | 35 | | |
| | 10 | | | | | | 8 9 11 | 5.6B | 12 |
| | | | 2 4 6 | 3.8B | | 14 | | | |
| Brown silty CLAY (CL) with sand and small gravel - Till | | | 4 5 7 | 4.0B | | 13 | 40 | | |
| | 15 | | | | | | 15 18 18 | 6.6B | 11 |
| | | | 4 8 9 | 4.6B | | 12 | END OF BORING @ ELEV: 58.6 ft. | | |
| | | | | | | | | | |
| | 5 6 8 | 4.0B | 12 | 45 | | | | | |
| Gray silty CLAY (CL) with sand and small gravel - Till | 20 | | | | | | | | |
| | | 5 5 8 | 3.6B | 12 | | | | | |
| | | 5 6 8 | 3.2B | 11 | 50 | | | | |
| 25 | | | | | | | | | |
| | | 5 6 9 | 3.4B | 13 | | | | | |

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure
Qu test

B-Bulge
S-Shear
P-Penetrometer

| | | | | |
|-----------------|----|------|----------|--|
| FINAL SURVEY | BY | DATE | SURVEYED | |
| | | | PLOTTED | |
| | | | TEMPLATE | |
| | | | AREAS | |
| NOTE BOOK | | | CHECKED | |
| MRL | | | | |

| | | | | |
|--------------------|----|------|----------|--|
| ORIGINAL SURVEY | BY | DATE | SURVEYED | |
| | | | PLOTTED | |
| | | | TEMPLATE | |
| | | | AREAS | |
| NOTE BOOK | | | CHECKED | |
| MRL | | | | |

MODEL Default
FILE Name: I:\projects\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-SPRCS-SS1.dgn

Design firm
no. 184001036



| | | | | | |
|------------|-------------------|----------|-------|---------|--|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED | |
| | | CHECKED | - MRL | REVISED | |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSJ | REVISED | |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED | |

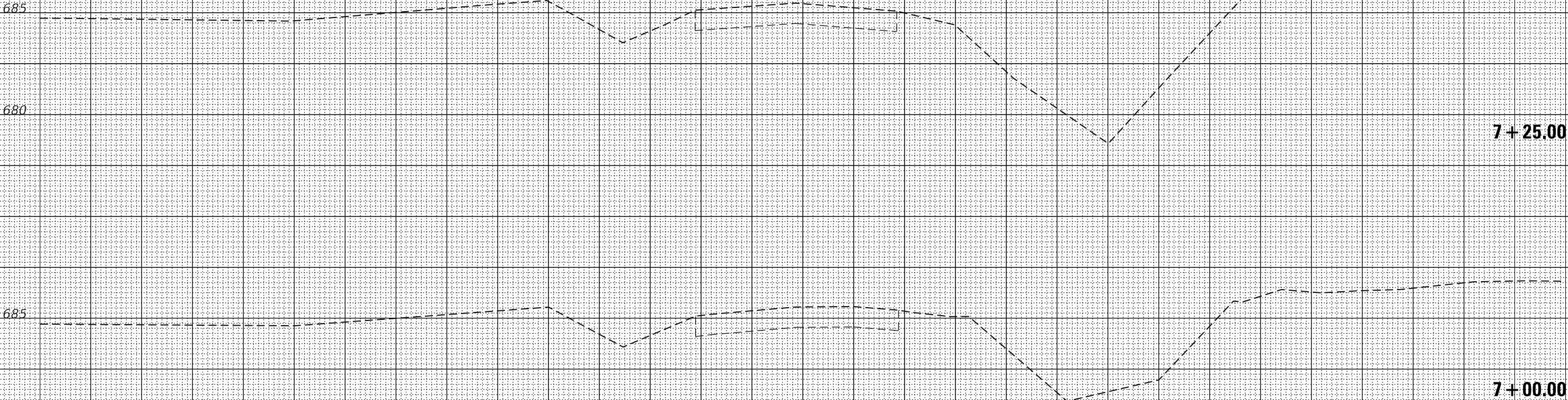
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 1 OF 19 SHEETS STA. 7+00.00 TO STA. 7+25.00

| | | | | |
|--------------|----------------|------------------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 15 |
| CONTRACT NO. | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

BEGIN IMPROVEMENT
STA. 7 + 30.00
C = 0 F = 0 (AH)
C = 0 F = 0 (BK)



| FINAL | SURVEYED | BY | DATE |
|-----------|---------------|----|------|
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| ORIGINAL | SURVEYED | BY | DATE |
|-----------|---------------|----|------|
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: I:\Roads\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-tr251-ss1.dgn

Design firm
no. 184001036



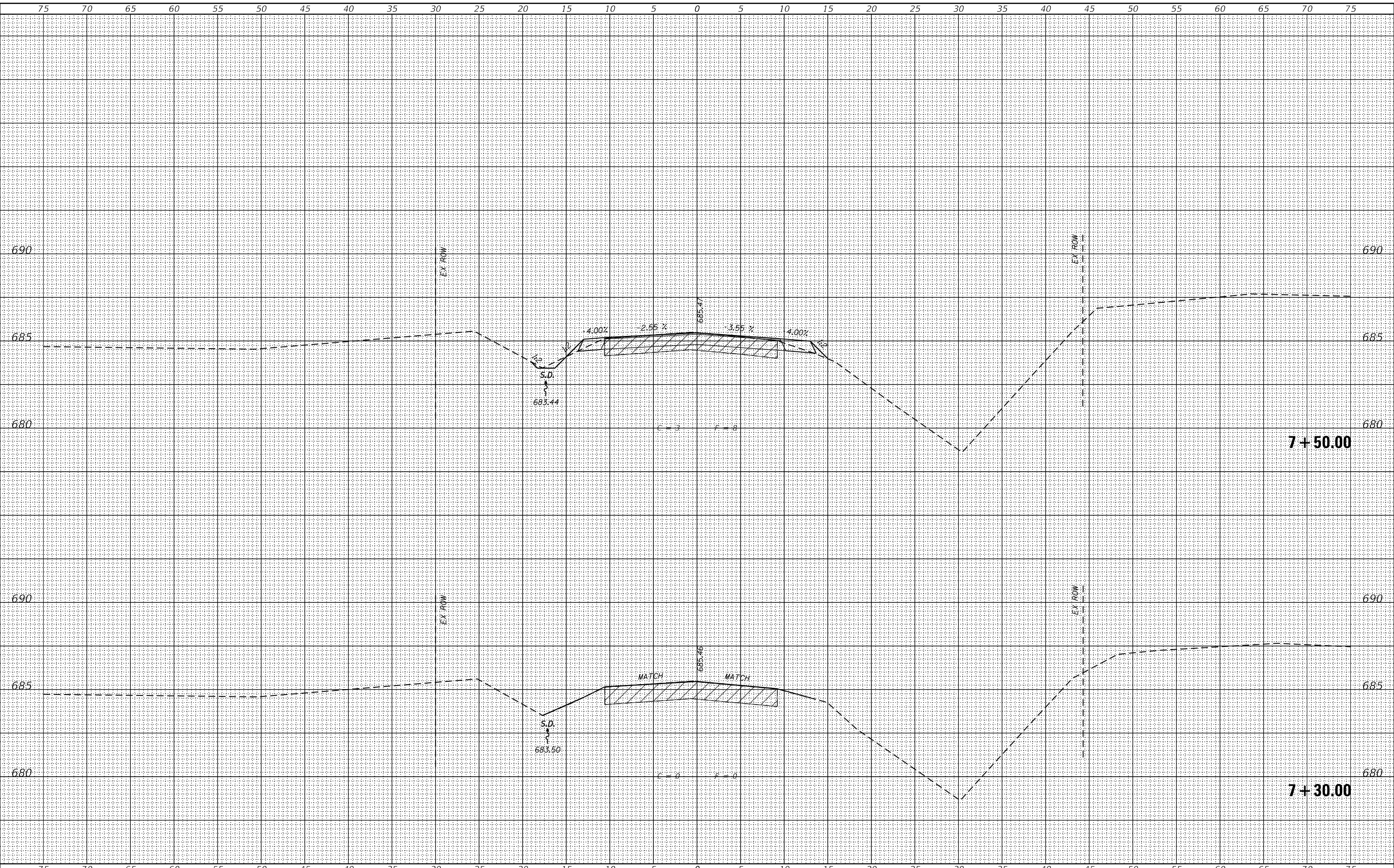
| | | | | | |
|------------|-------------------|----------|-------|---------|--|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED | |
| | | CHECKED | - MRL | REVISED | |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSJ | REVISED | |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 2 OF 19 SHEETS STA. 7+30.00 TO STA. 7+50.00

| T.R. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 16 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| ORIGINAL SURVEY | | BY | DATE |
|-----------------|---------------------|----|------|
| NOTED BOOK | SURVEYED _____ | | |
| | PLOTTED _____ | | |
| | TEMPLATE _____ | | |
| | AREAS _____ | | |
| NOL _____ | AREAS CHECKED _____ | | |

design firm
no. 184001036



| | | |
|----------------|----------------------|------------------------------|
| SCALE: 1" = 5' | SHEET 3 OF 19 SHEETS | STA. 7+75.00 TO STA. 8+00.00 |
|----------------|----------------------|------------------------------|

ILLINOIS FED. AID PROJECT

| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: I:\Roads\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-SPRCS-81.dgn

Design firm
no. 184001036



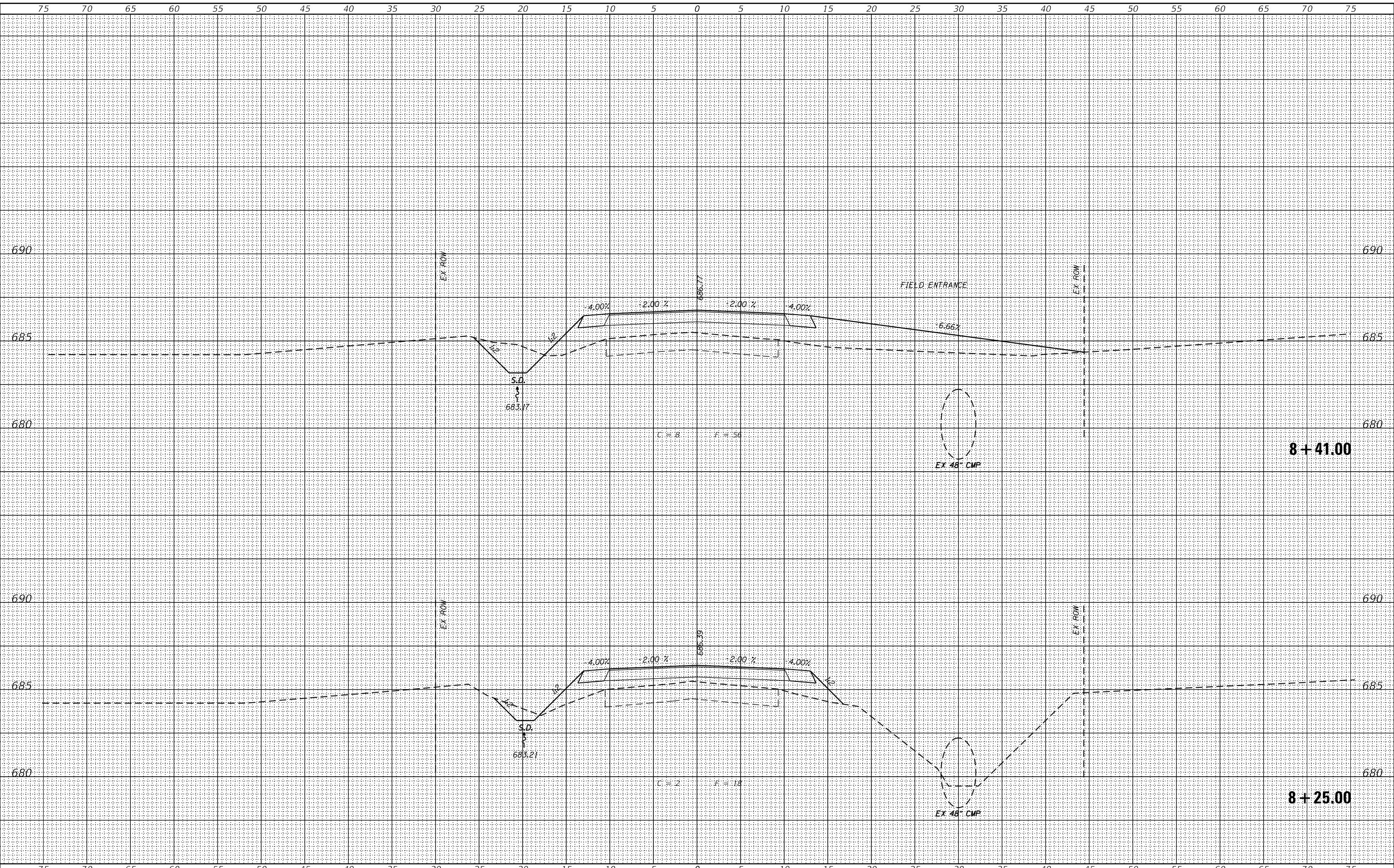
| | | | | | |
|------------|-------------------|----------|-------|---------|--|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED | |
| | | CHECKED | - MRL | REVISED | |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSJ | REVISED | |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 4 OF 19 SHEETS STA. 8+25.00 TO STA. 8+41.00

| | | | | |
|---------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 18 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| ORIGINAL SURVEY | | BY | DATE |
|-----------------|--|----|------|
| SURVED | | | |
| PLOTTED | | | |
| TEMPLATE | | | |
| AREAS | | | |
| AREAS CHECKED | | | |
| NOL. | | | |

design firm
no. 184001036



| | | |
|------------------------------|----------------|---------|
| USER NAME = \$OPERATOR\$ | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10,0000 ' / in. | DRAWN - GSI | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

| CROSS SECTIONS TR 251 OVER TWO MILE SLOUGH | | | | | | |
|-----------------------------------------------|-------|---|----|----|--------|------------------------------|
| SCALE: 1" = 5' | SHEET | 5 | OF | 19 | SHEETS | STA. 8+50.00 TO STA. 8+60.00 |

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|----------------|------------------|-----------------|--------------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 19 |
| | | CONTRACT NO. | | |
| ILLINOIS | | FED. AID PROJECT | | |

| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE M:\1161101036\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-tr251-section.dgn

Design firm
no. 184001036



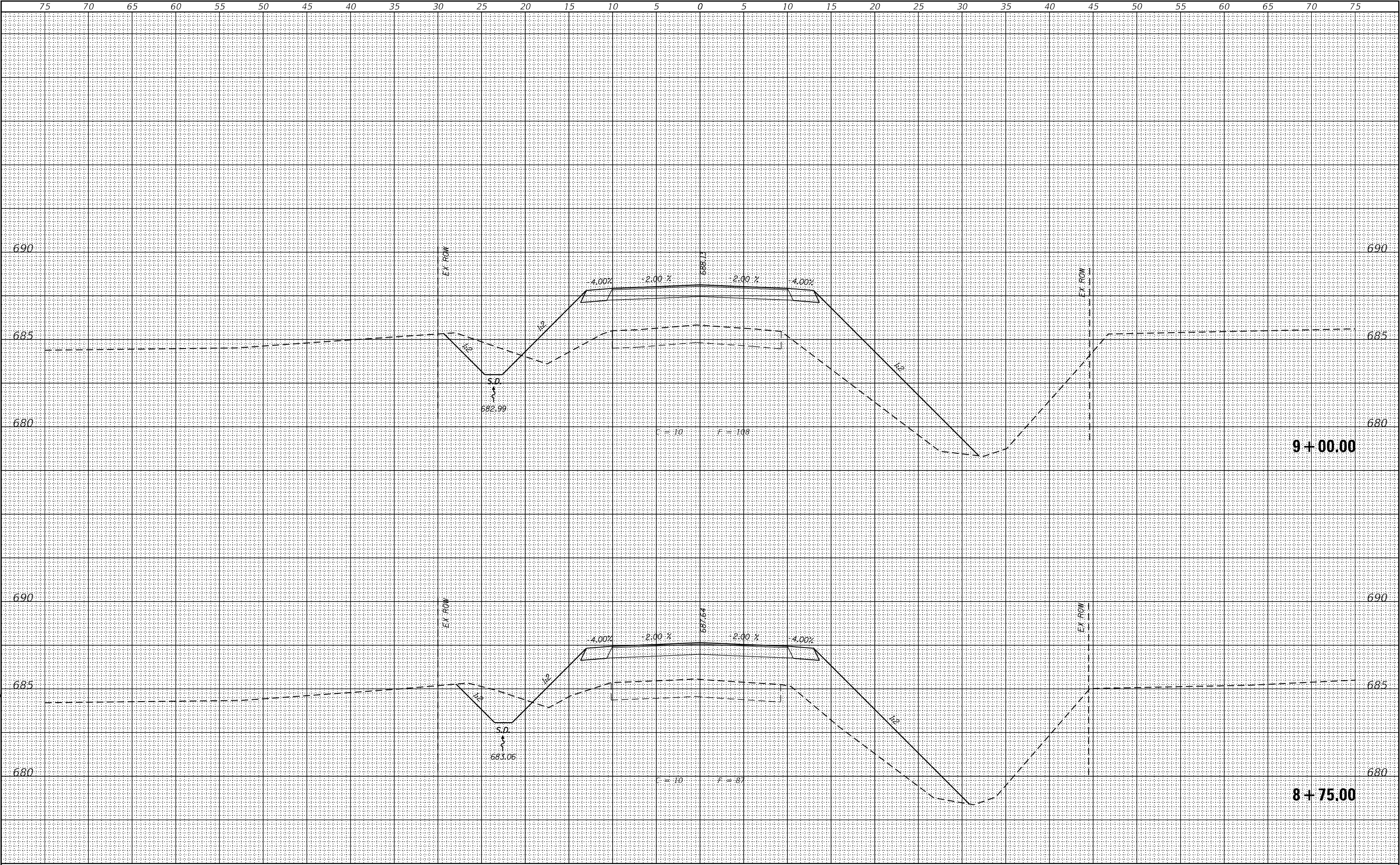
| | | | | |
|------------|-------------------|----------|-------|---------|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED |
| | | CHECKED | - MRL | REVISED |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSI | REVISED |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 6 OF 19 SHEETS STA. 8+75.00 TO STA. 9+00.00

| | | | | |
|-----------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 20 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: Illinois-Champaign County/8923 TR 251 over Two Mile Slough/CADD/CAD Sheets/8923-arch.dwg

Design firm
no. 184001036



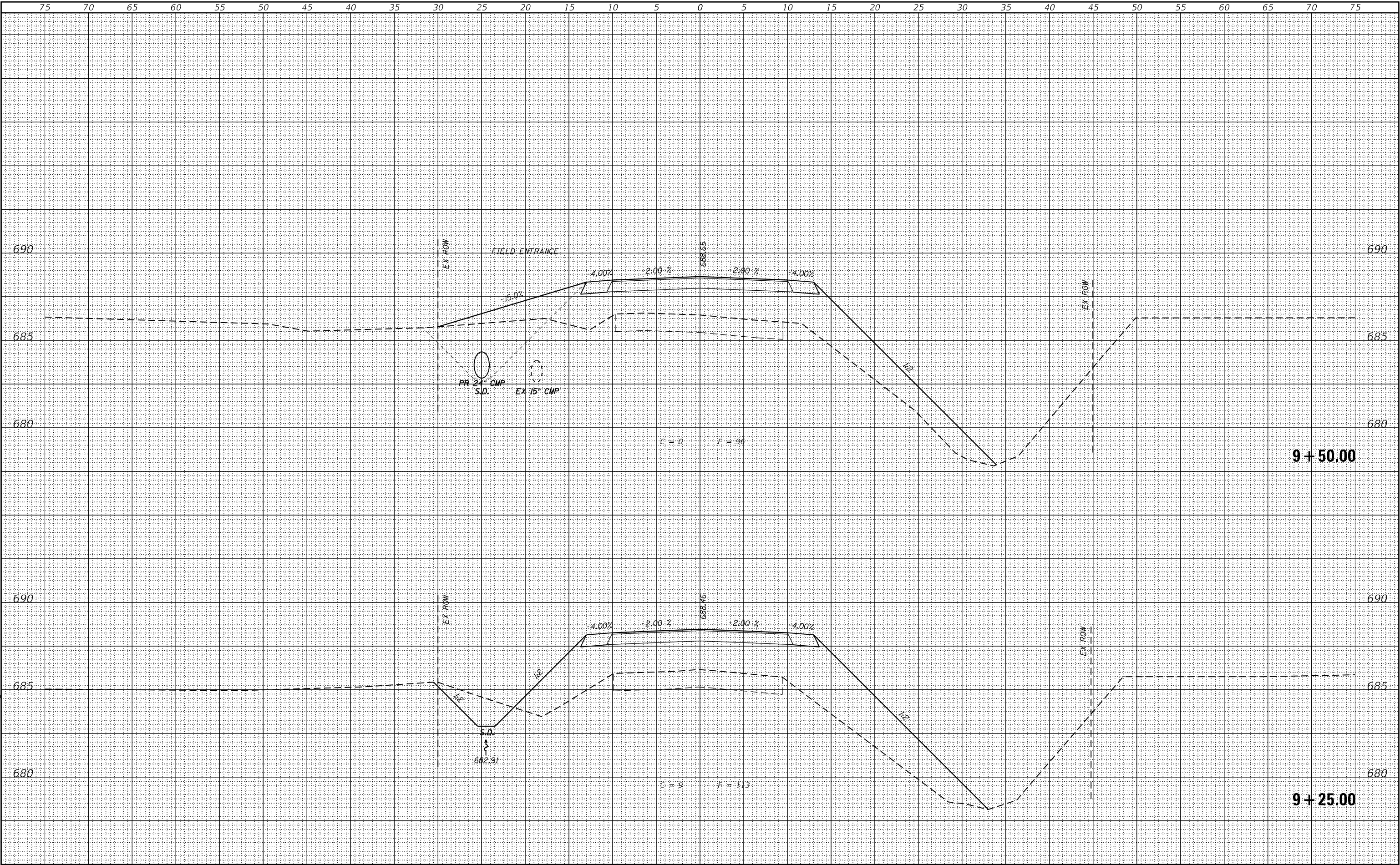
| | | | | | |
|------------|-------------------|----------|-------|---------|--|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED | |
| | | CHECKED | - MRL | REVISED | |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSI | REVISED | |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 7 OF 19 SHEETS STA. 9+25.00 TO STA. 9+50.00

| | | | | |
|-----------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 21 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE M:\mde\19081\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-arch-sheet.dgn

Design firm
no. 184001036



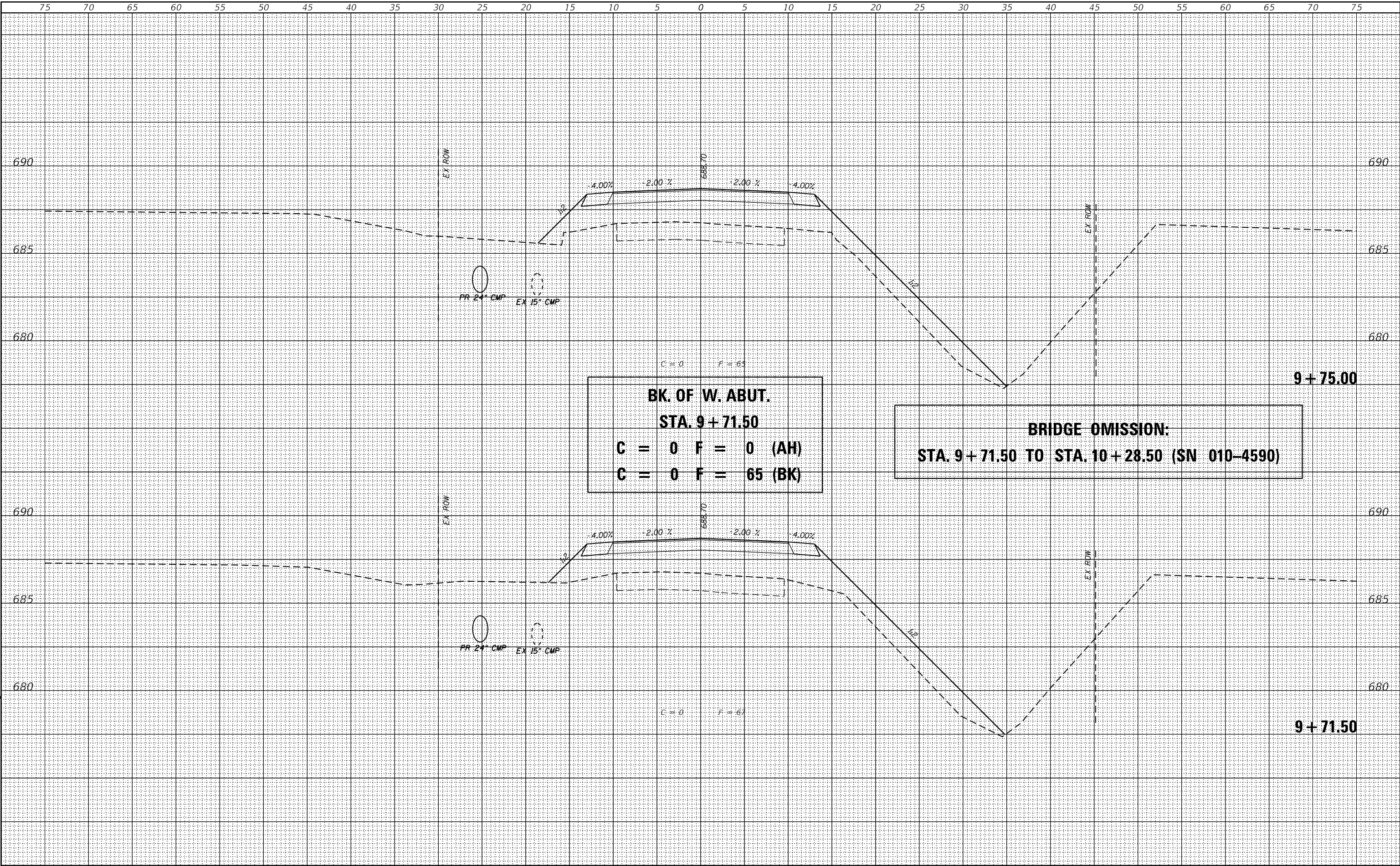
| | | |
|------------------------------|----------------|---------|
| USER NAME = SOPERATORS | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - GSJ | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 8 OF 19 SHEETS STA. 9+71.50 TO STA. 9+75.00

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|--------------|-----------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 22 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|--------------------|----------------------------------|----|------|
| FINAL SURVEY | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | |
| | | | |
| | | | |
| ORIGINAL SURVEY | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|----------------------------------|----|------|
| ORIGINAL SURVEY | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | |
| | | | |
| | | | |
| ORIGINAL SURVEY | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | |
| | | | |
| | | | |

MODEL Default
FILE M:\184001036\Champaign County\184001036\184001036.dgn

Design firm
no. 184001036



| | | |
|------------------------------|----------------|---------|
| USER NAME = SOPERATORS | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - GSJ | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 9 OF 19 SHEETS STA. 10+00.00 TO STA. 10+00.00

| | | | | |
|---------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 23 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: Illinois-Champaign County/S923 TR 251 over Two Mile Slough/CADD/CAD Sheets/S923-Surface.dgn

Design firm
no. 184001036



| | |
|------------|-------------------|
| USER NAME | = SOPERATORS |
| PLOT SCALE | = 10.0000 ' / in. |
| PLOT DATE | = 8/20/2020 |

| | | |
|----------|---|-----|
| DESIGNED | - | BJJ |
| CHECKED | - | MRL |
| DRAWN | - | GSJ |
| CHECKED | - | RKA |

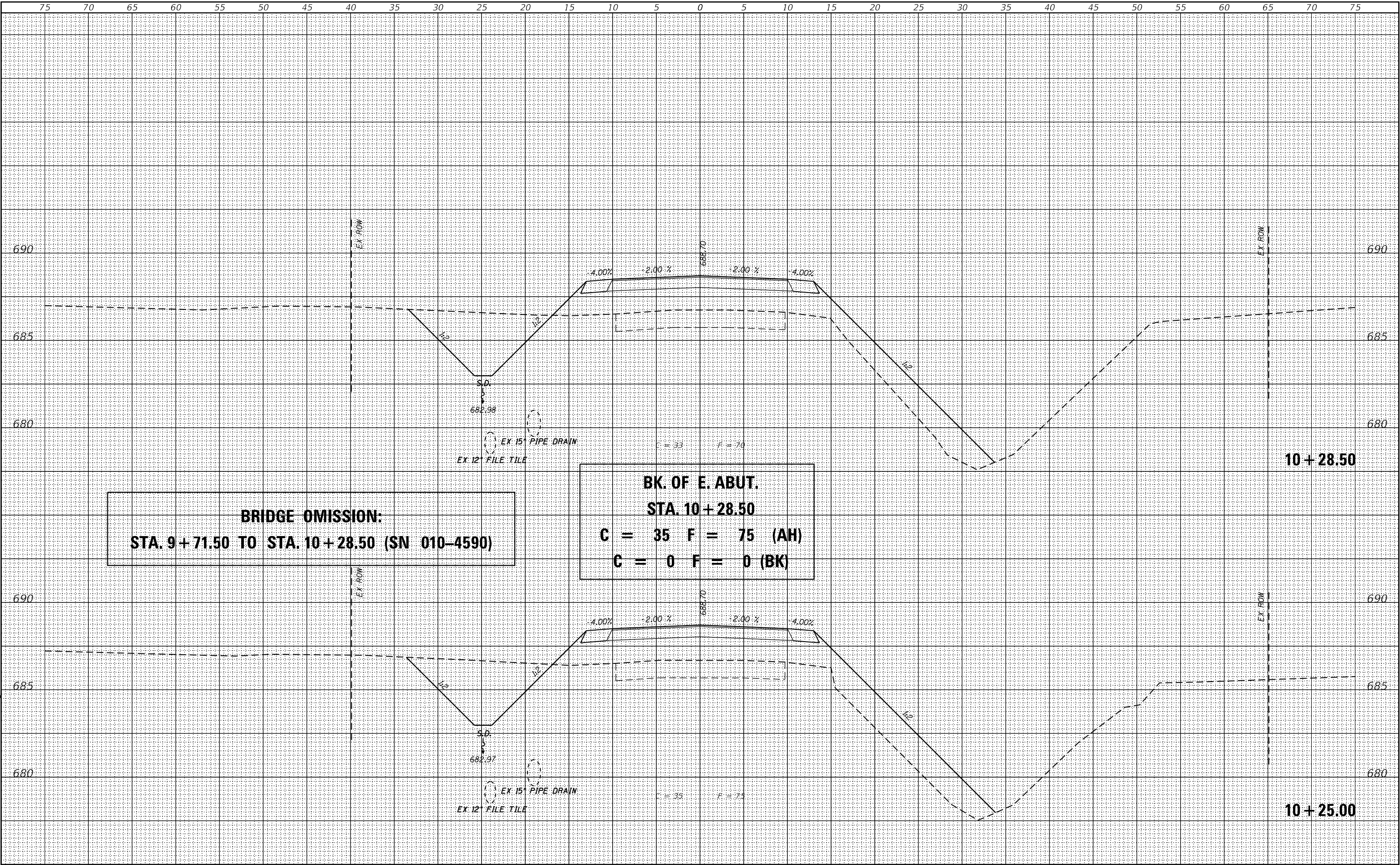
| | |
|---------|--|
| REVISED | |
| REVISED | |
| REVISED | |
| REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 10 OF 19 SHEETS STA. 10+25.00 TO STA. 10+28.50

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|-----------|-----------------|--------------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 24 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: Illinois-Champaign County-1923 Tr 251 over Two Mile Slough-CADD-CAD Sheets-1923-1925-1926.dgn

Design firm
no. 184001036



| | |
|------------|-------------------|
| USER NAME | = SOPERATORS |
| PLOT SCALE | = 10.0000 ' / in. |
| PLOT DATE | = 8/20/2020 |

| | | |
|----------|---|-----|
| DESIGNED | - | BJJ |
| CHECKED | - | MRL |
| DRAWN | - | GSJ |
| CHECKED | - | RKA |

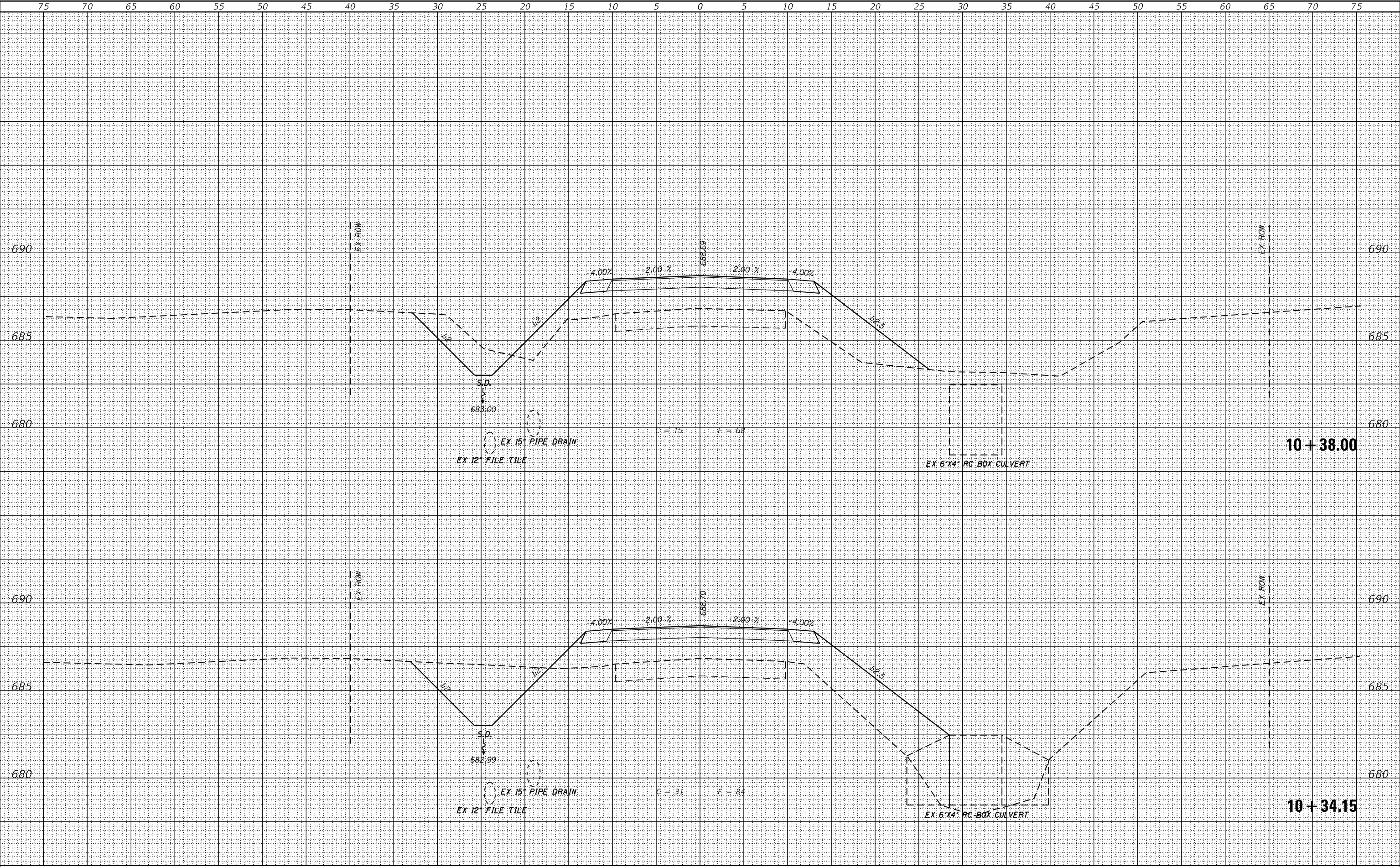
| | |
|---------|--|
| REVISED | |
| REVISED | |
| REVISED | |
| REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

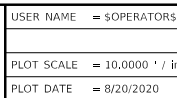
SCALE: 1" = 5' SHEET 11 OF 19 SHEETS STA. 10+34.15 TO STA. 10+38.00

| | | | | |
|-----------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 25 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



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

design firm
no. 184001036



| | | |
|----------|---|-----|
| DESIGNED | - | BJJ |
| CHECKED | - | MRL |
| DRAWN | - | GSJ |
| CHECKED | - | RKA |

| |
|---------|
| REVISED |
| REVISED |
| REVISED |
| REVISED |

| CROSS SECTIONS TR 251 OVER TWO MILE SLOUGH | | | | | |
|-----------------------------------------------|----------|-------|--------|---------------|------------------|
| SCALE: 1" = 5' | SHEET 12 | OF 19 | SHEETS | STA. 10+50.00 | TO STA. 10+55.00 |

| | | | | |
|--------------|----------------|--------------|------------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 26 |
| | | CONTRACT NO. | | |
| | | ILLINOIS | FED. AID PROJECT | |

| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE M:\mde\Illinois\Champaign County\8923 TR 251 over Two Mile Slough\CAUD\CAUD Sheets\8923-SPRCS.dgn

Design firm
no. 184001036



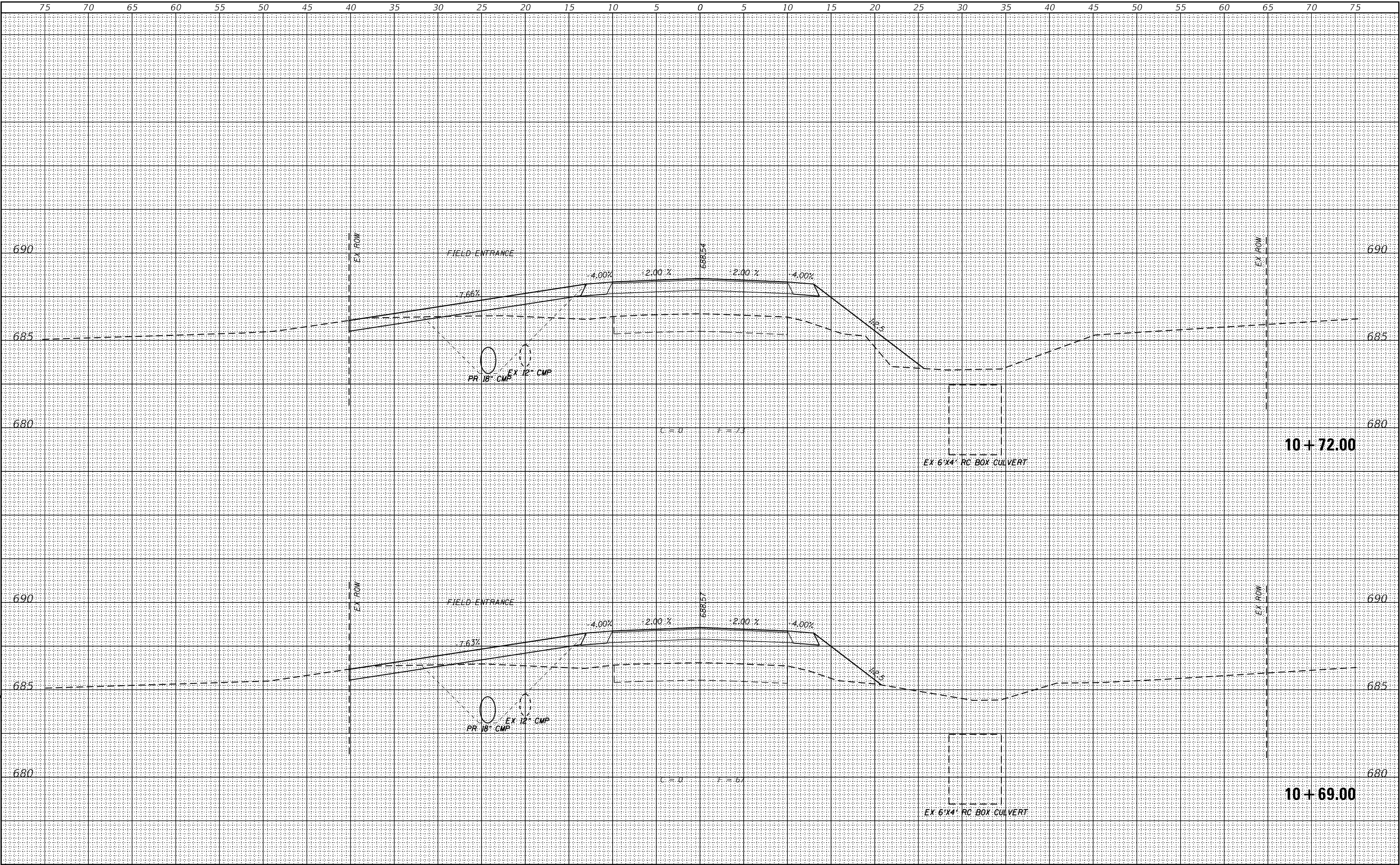
| | | | | | |
|------------|-------------------|----------|-------|---------|--|
| USER NAME | = SOPERATORS | DESIGNED | - BJJ | REVISED | |
| | | CHECKED | - MRL | REVISED | |
| PLOT SCALE | = 10.0000 ' / in. | DRAWN | - GSI | REVISED | |
| PLOT DATE | = 8/20/2020 | CHECKED | - RKA | REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 13 OF 19 SHEETS STA. 10+69.00 TO STA. 10+72.00

| | | | | |
|-----------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 27 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| FINAL | SURVEYED | BY | DATE |
|-----------|---------------|----|------|
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| ORIGINAL | SURVEYED | BY | DATE |
|-----------|---------------|----|------|
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE M:\mde\Illinois\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-SPRCS.dgn

Design firm
no. 184001036



| | |
|------------|-------------------|
| USER NAME | = SOPERATORS |
| PLOT SCALE | = 10.0000 ' / in. |
| PLOT DATE | = 8/20/2020 |

| | |
|----------|-------|
| DESIGNED | - BJJ |
| CHECKED | - MRL |
| DRAWN | - GSJ |
| CHECKED | - RKA |

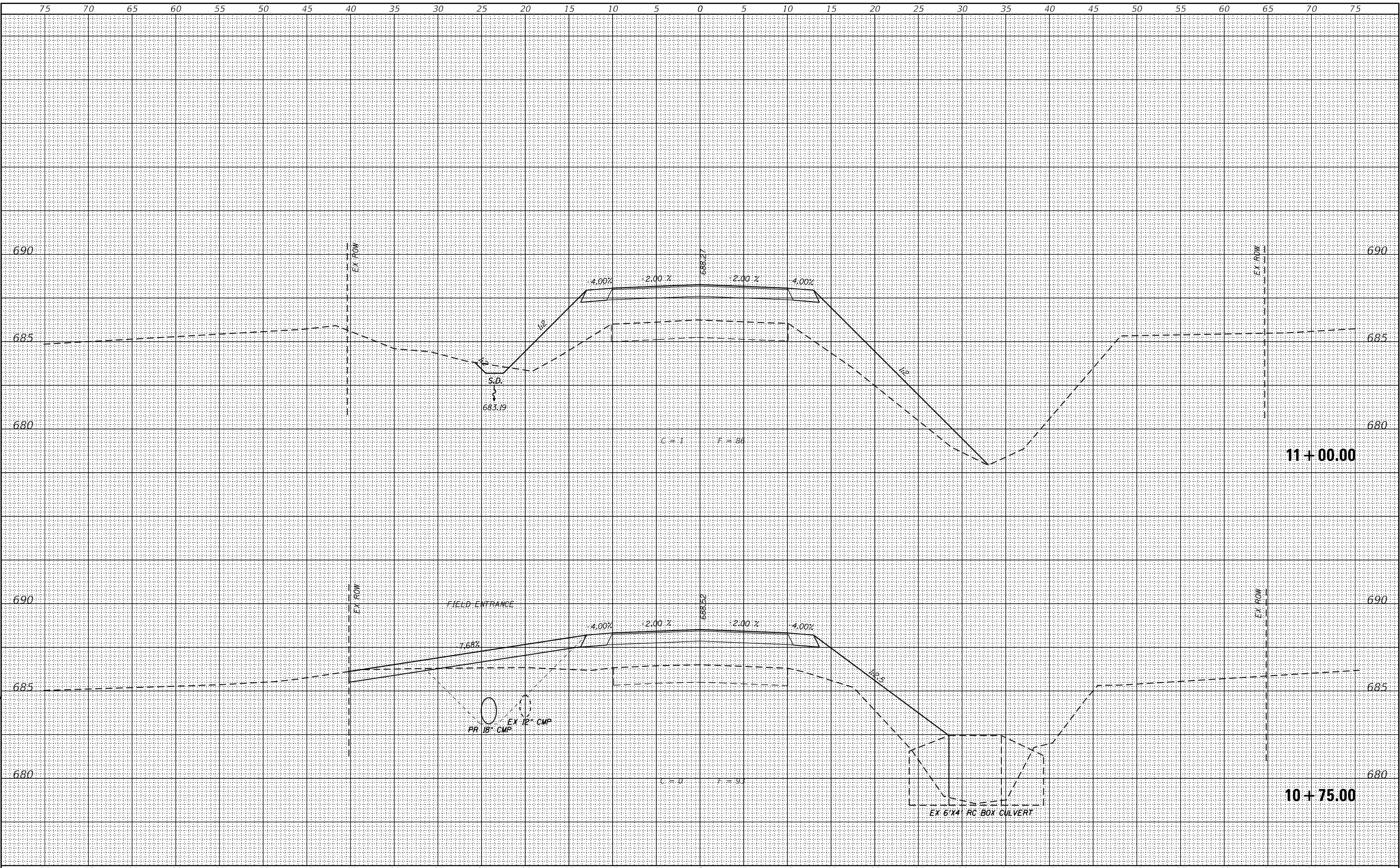
| | |
|---------|--|
| REVISED | |
| REVISED | |
| REVISED | |
| REVISED | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 14 OF 19 SHEETS STA. 10+75.00 TO STA. 11+00.00

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|----------------|-----------|-----------------|--------------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 28 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: I:\projects\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-tr251-over2.mxd

Design firm
no. 184001036



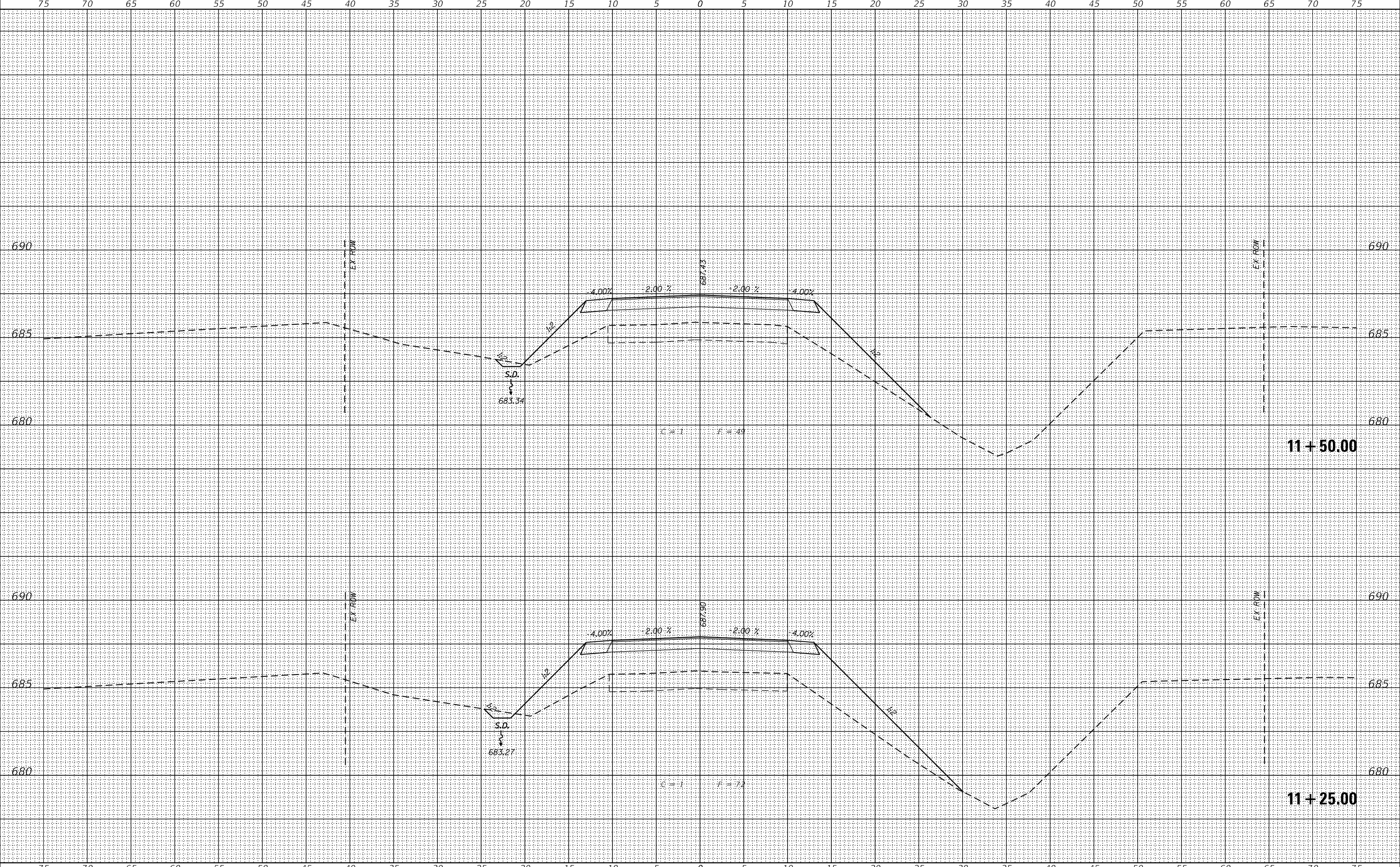
| | | |
|------------------------------|----------------|---------|
| USER NAME = SOPERATORS | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - GSJ | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5' SHEET 15 OF 19 SHEETS STA. 11+25.00 TO STA. 11+50.00

| | | | | |
|-----------------------------|----------------|-----------|--------------|-----------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 29 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE Name: \\s:\projects\champaign\coun\8923 TR 251 over Two Mile Slough\CAD\CAD Sheets\8923-SPR-SS-1.dgn

Design firm
no. 184001036



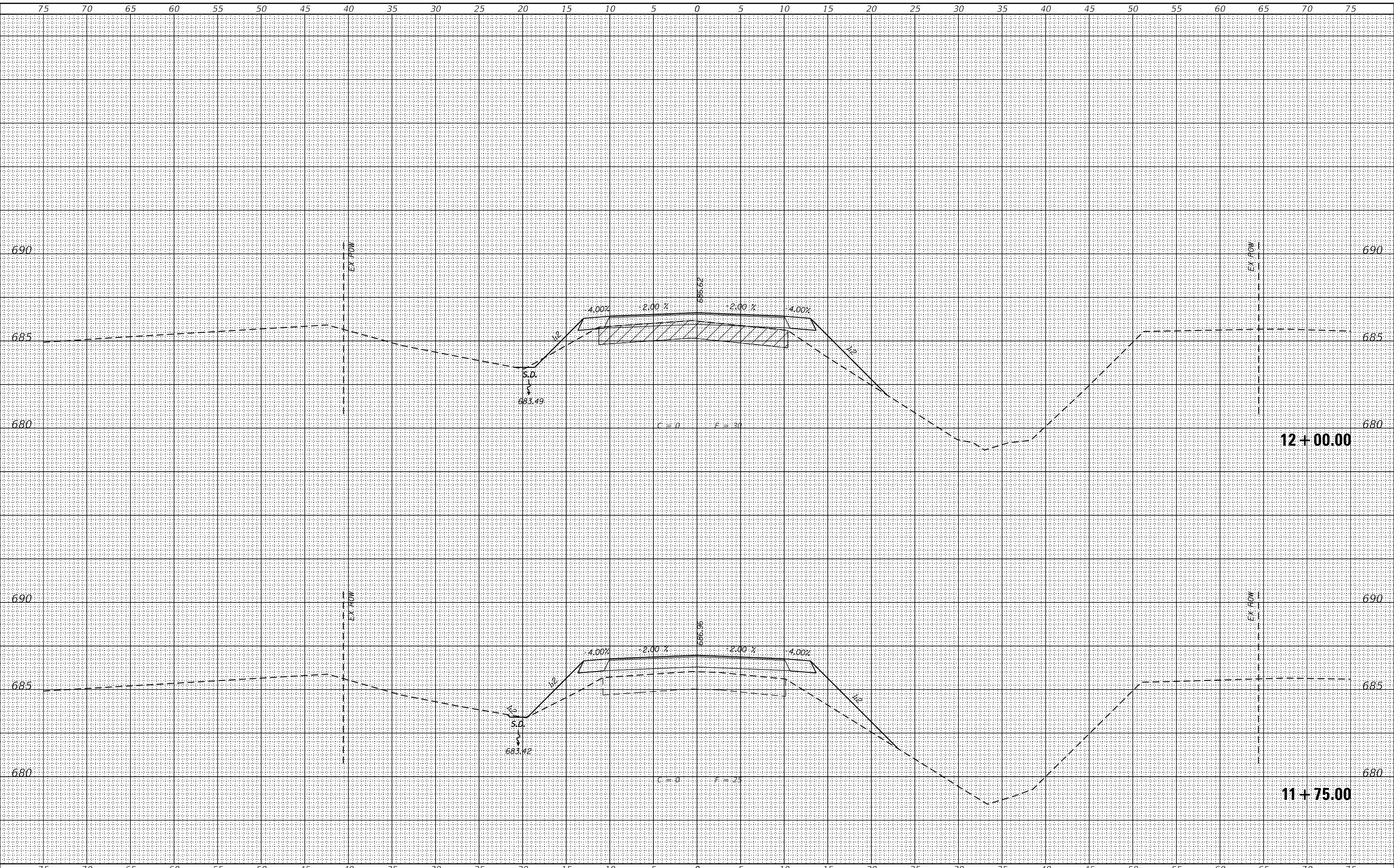
| | | |
|------------------------------|----------------|---------|
| USER NAME = SOPERATORS | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10.0000 ' / in. | DRAWN - GSJ | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

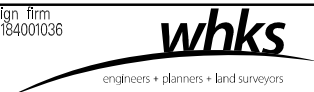
SCALE: 1" = 5' SHEET 16 OF 19 SHEETS STA. 11+75.00 TO STA. 12+00.00

| | | | | |
|-----------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 30 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| ORIGINAL SURVEY | | BY | DATE |
|---------------------|--|----|------|
| SURVEYED _____ | | | |
| PLOTTED _____ | | | |
| TEMPLATE _____ | | | |
| AREAS _____ | | | |
| AREAS CHECKED _____ | | | |
| NOL _____ | | | |

design firm
no. 184001036



| | | |
|------------------------------|----------------|---------|
| USER NAME = \$OPERATOR\$ | DESIGNED - BJJ | REVISED |
| | CHECKED - MRL | REVISED |
| PLOT SCALE = 10,0000 ' / in. | DRAWN - GSI | REVISED |
| PLOT DATE = 8/20/2020 | CHECKED - RKA | REVISED |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 5'

| | |
|-----------------------|--------------------------------|
| SHEET 17 OF 19 SHEETS | STA. 12+25.00 TO STA. 12+50.00 |
|-----------------------|--------------------------------|

CROSS SECTIONS

TR 251 OVER TWO MILE SLOUGH

| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|----------------|------------------|-----------------|--------------|
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 31 |
| | | CONTRACT NO. | | |
| | | | | |
| ILLINOIS | | FED. AID PROJECT | | |

| | | | |
|-----------|---------------|----|------|
| FINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

| | | | |
|-----------|---------------|----|------|
| ORIGINAL | SURVEYED | BY | DATE |
| SURVEY | PLOTTED | | |
| NOTE BOOK | TEMPLATE | | |
| MRL | AREAS CHECKED | | |

MODEL Default
FILE M:\19-29081-00-CHAMPAIGN\CHAMPAIGN County\1923 TR 251 over Two Mile Slough\CADD\CAD Sheets\1923-1923-1923.dgn

Design firm
no. 184001036



| | |
|------------|-------------------|
| USER NAME | = SOPERATORS |
| PLOT SCALE | = 10.0000 ' / in. |
| PLOT DATE | = 8/25/2020 |

| | | |
|----------|---|-----|
| DESIGNED | - | BJJ |
| CHECKED | - | MRL |
| DRAWN | - | GSJ |
| CHECKED | - | RKA |

| | |
|---------|---------|
| REVISED | REVISED |
| REVISED | REVISED |
| REVISED | REVISED |
| REVISED | REVISED |

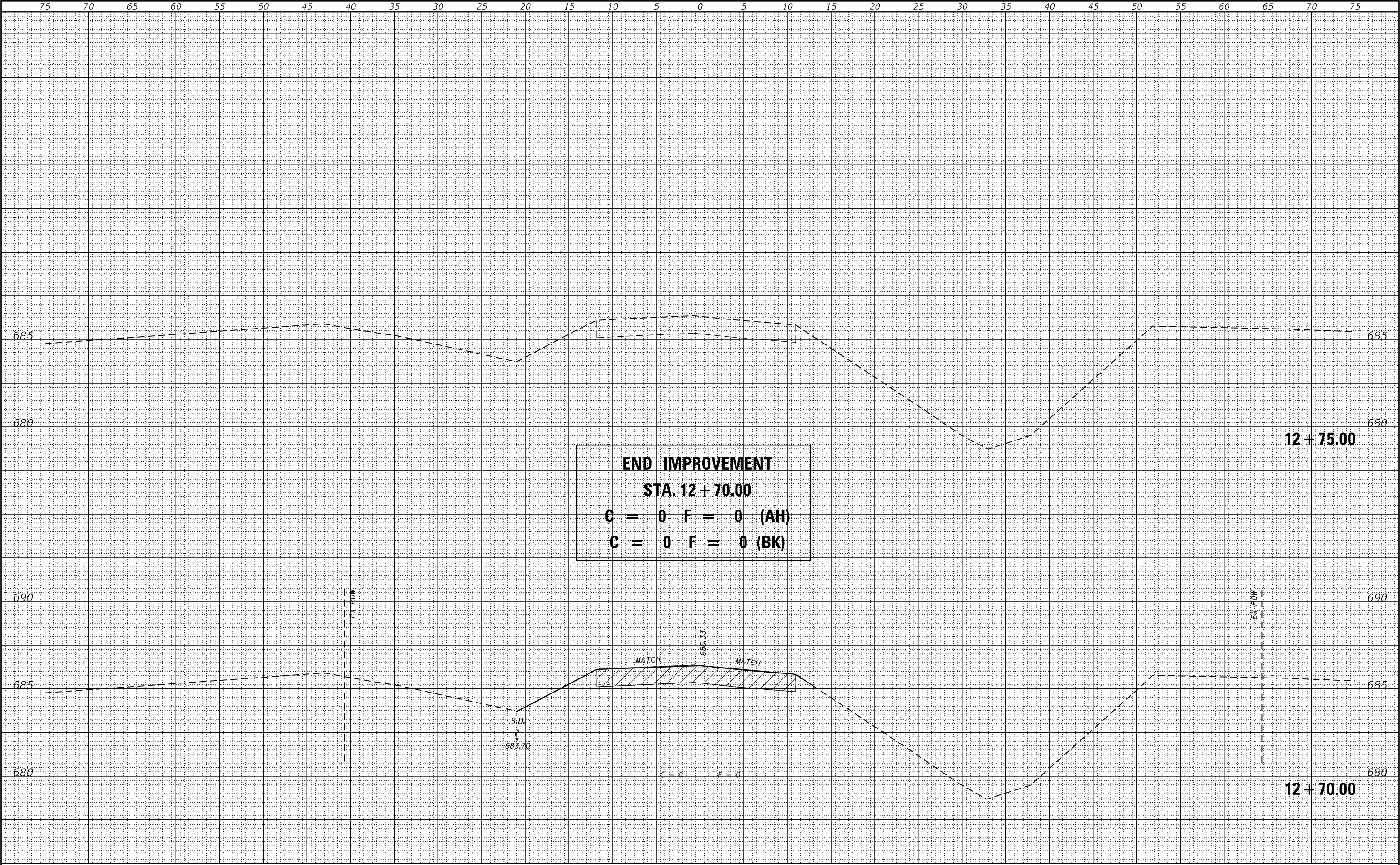
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TR 251 OVER TWO MILE SLOUGH

SCALE: 1" = 5'

SHEET 18 OF 19 SHEETS STA. 12+70.00 TO STA. 12+75.00

| | | | | |
|---------------------------|----------------|-----------|-----------------|--------------|
| T.R. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 251 | 19-29081-00-BR | CHAMPAIGN | 33 | 32 |
| CONTRACT NO. | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | | | |
|-----------------|-----|----------------------------------|----|------|
| FINAL SURVEY | MRL | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | | |
| | | | | |
| | | | | |

| | | | | |
|--------------------|-----|----------------------------------|----|------|
| ORIGINAL SURVEY | MRL | SURVEYED PLOTTED NOTE BOOK | BY | DATE |
| | | | | |
| | | | | |
| | | | | |

MODEL Default
FILE M:\mde\champs\Champaign County\8923 TR 251 over Two Mile Slough\CADD\CAD Sheets\8923-tr251-slough.dgn

