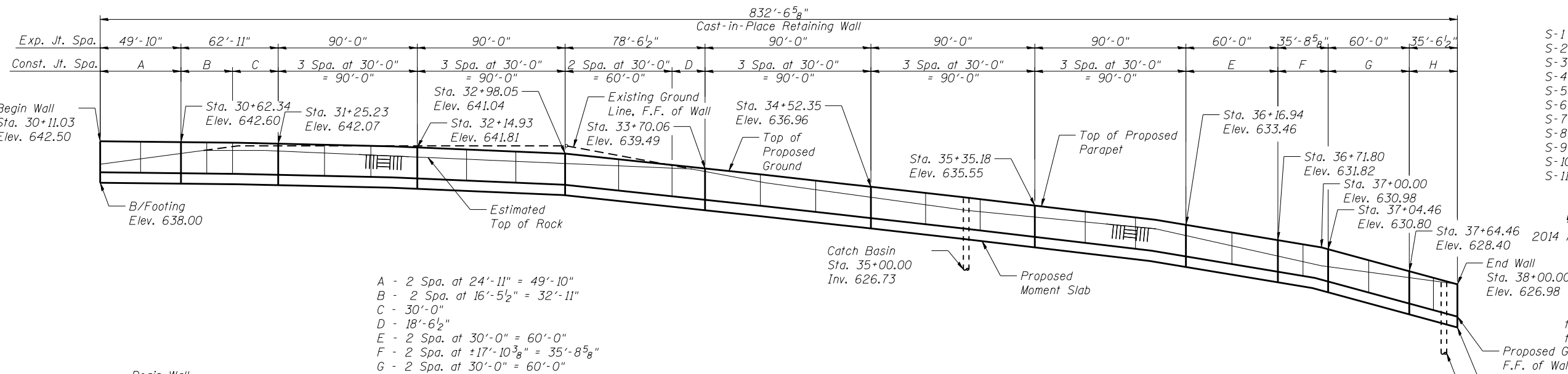
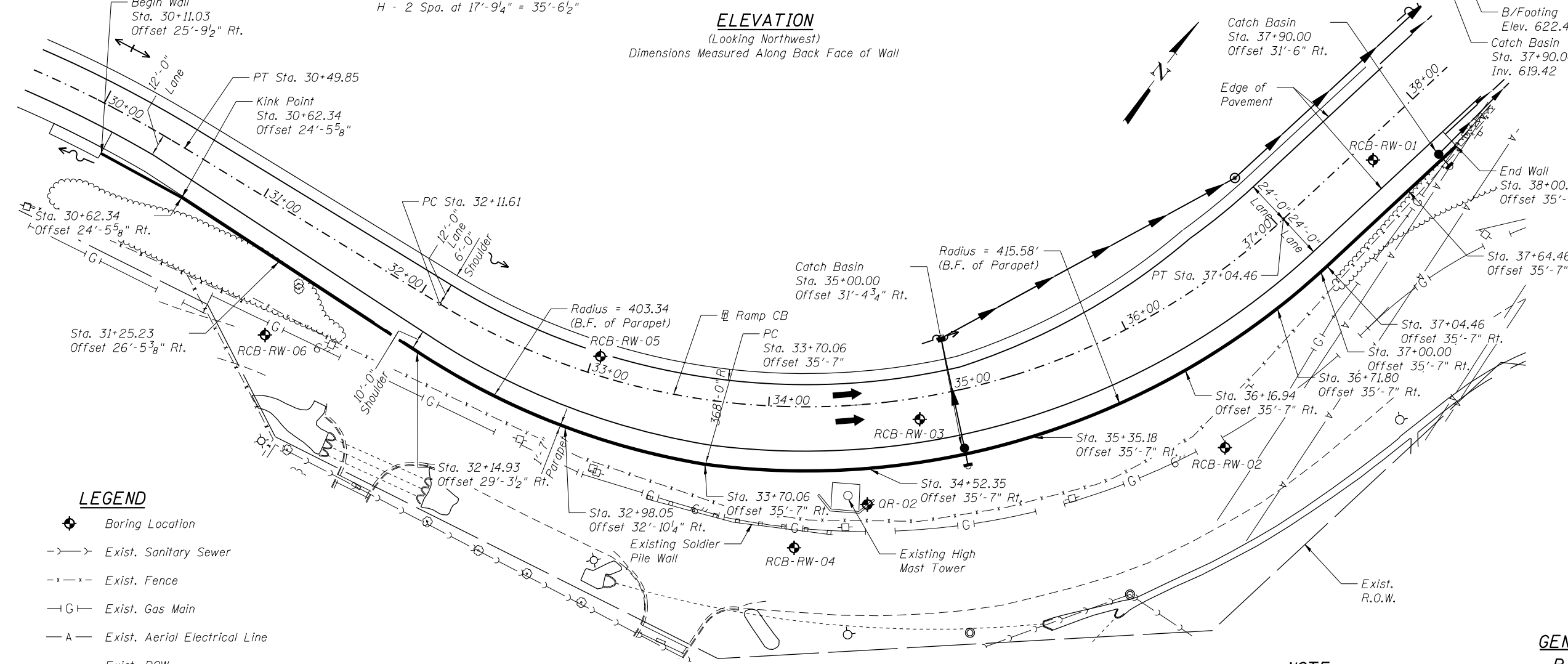


Benchmark: Chiseled square on top of concrete foundation to overhead sign truss in median, at sta. 671+28, offset 3' LT, Elevation 646.92.
Existing Structure: None



- A - 2 Spa. at 24'-11" = 49'-10"
- B - 2 Spa. at 16'-5 1/2" = 32'-11"
- C - 30'-0"
- D - 18'-6 1/2"
- E - 2 Spa. at 30'-0" = 60'-0"
- F - 2 Spa. at ±17'-10 3/8" = 35'-8 5/8"
- G - 2 Spa. at 30'-0" = 60'-0"
- H - 2 Spa. at 17'-9 1/4" = 35'-6 1/2"

ELEVATION
(Looking Northwest)
Dimensions Measured Along Back Face of Wall



- LEGEND**
- ◆ Boring Location
 - - - - - Exist. Sanitary Sewer
 - - - - - Exist. Fence
 - G- Exist. Gas Main
 - A- Exist. Aerial Electrical Line
 - - - - - Exist. ROW
 - Prop. Storm Sewer

PLAN

NOTE
Offsets are measured from @ of proposed Ramp CB to the back face of parapet.

INDEX OF SHEETS

- S-1 General Plan & Elevation
- S-2 General Notes
- S-3 Moment Slab Plan & Elevation - (1 of 5)
- S-4 Moment Slab Plan & Elevation - (2 of 5)
- S-5 Moment Slab Plan & Elevation - (3 of 5)
- S-6 Moment Slab Plan & Elevation - (4 of 5)
- S-7 Moment Slab Plan & Elevation - (5 of 5)
- S-8 Miscellaneous Details
- S-9 Soil Borings - (1 of 3)
- S-10 Soil Borings - (2 of 3)
- S-11 Soil Borings - (3 of 3)

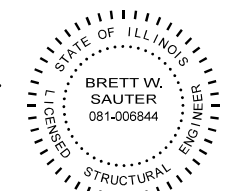
DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications with 2015 Interims

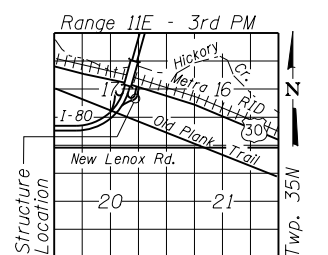
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



DATE: 5/9/2018
SEAL EXPIRES: 11/30/2018



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RAMP CB RETAINING WALL
F.A.I. RTE. 80 - SEC. 99-4-IVB-1-R
WILL COUNTY
STA. 30+11.03 TO STA. 38+00.00

N:\PROJECTS\0003384\004\US_30\Design\Structural\CAD\Ramp_CB Retaining Wall\3384_XX General Plan & Elevation.dgn



| | | |
|-------------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| PLOT SCALE = 64.000056' / in. | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-1 OF S-11 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-IVB-1-R | WILL | 840 | 601 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. All exposed concrete edges shall have a 3/4" chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

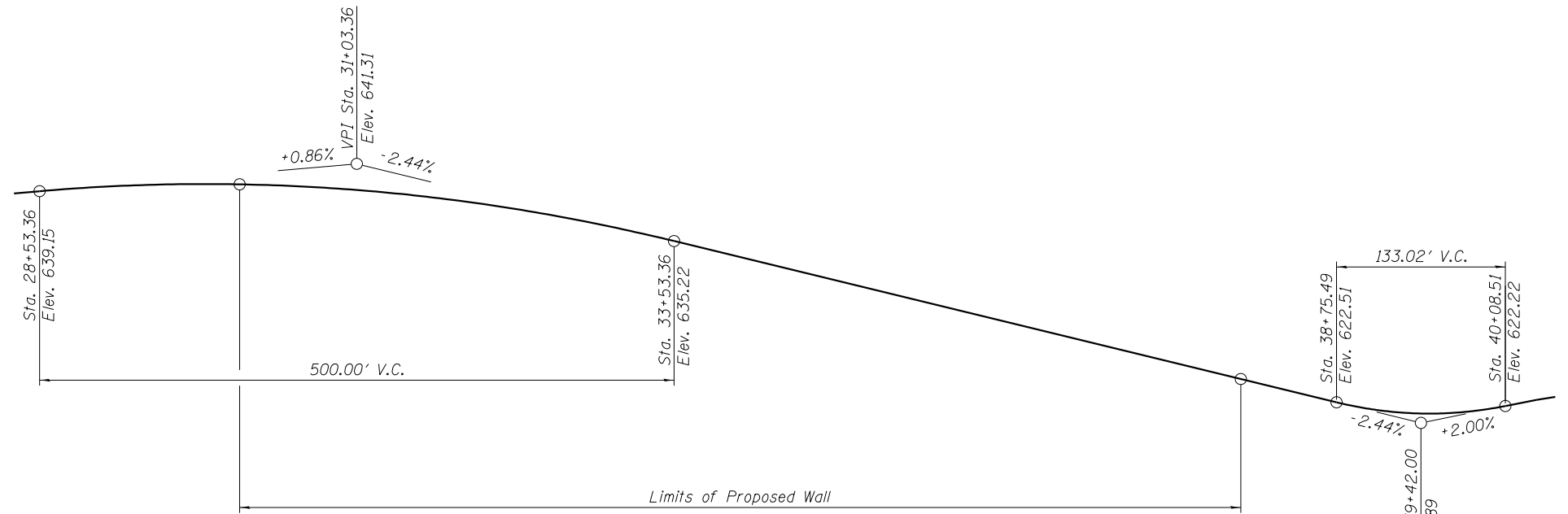
PROP. CURVE DATA

CURVE PRCB-3

Δ = 28° 22' 52" (RT)
 D = 8° 40' 52"
 T = 166.89'
 L = 326.93'
 E = 20.77'
 R = 660.00'
 P.C. = Sta. 27+22.93
 P.T. = Sta. 30+49.85
 P.I. = Sta. 28+89.81

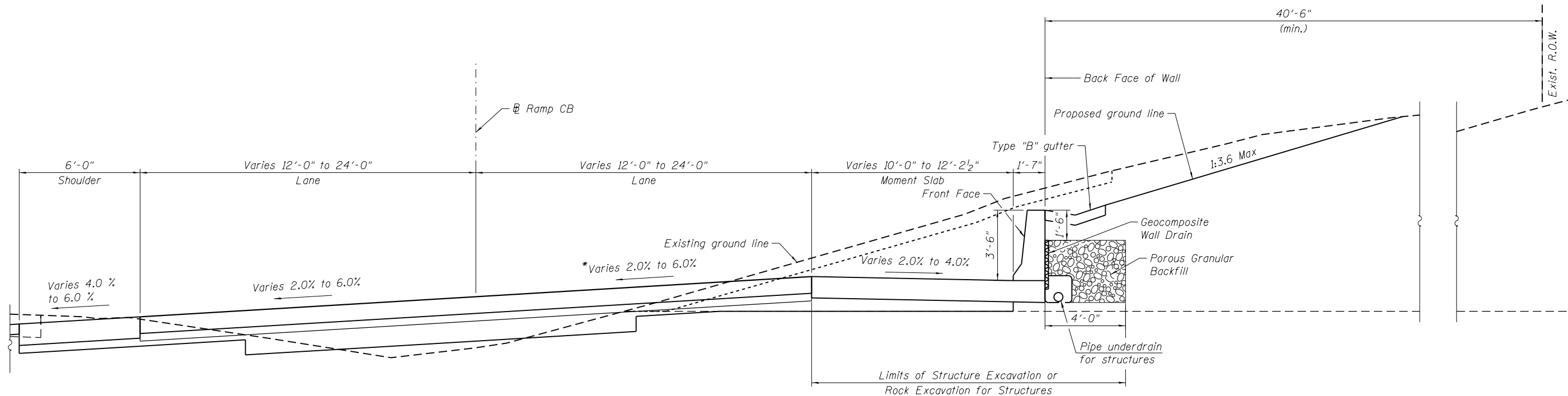
CURVE PRCB-4

Δ = 74° 18' 38" (LT)
 D = 15° 04' 40"
 T = 287.97'
 L = 492.85'
 E = 96.79'
 R = 380.00'
 P.C. = Sta. 32+11.61
 P.T. = Sta. 37+04.46
 P.I. = Sta. 34+99.58



PROFILE GRADE

(Along Ramp CB)



TYPICAL SECTION THROUGH RETAINING WALL

(Looking Upstapion)

* From Sta. 37+00 to Sta. 38+00 the slope transitions to -2.0%

TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|------------------------------------|-------|--------|
| Porous Granular Backfill | Cu Yd | 371 |
| Structure Excavation | Cu Yd | 417 |
| Rock Excavation For Structures | Cu Yd | 974 |
| Concrete Superstructure | Cu Yd | 490.5 |
| Reinforcement Bars, Epoxy Coated | Pound | 72,680 |
| Geocomposite Wall Drain | Sq Yd | 278 |
| Pipe Underdrains For Structures 4" | Foot | 837 |

N:\PROJECTS\0003384\004\US_30\Design\Structural\CAD\Ramp_CB_Retaining_Wall\3384_XX_General_Notes.dgn



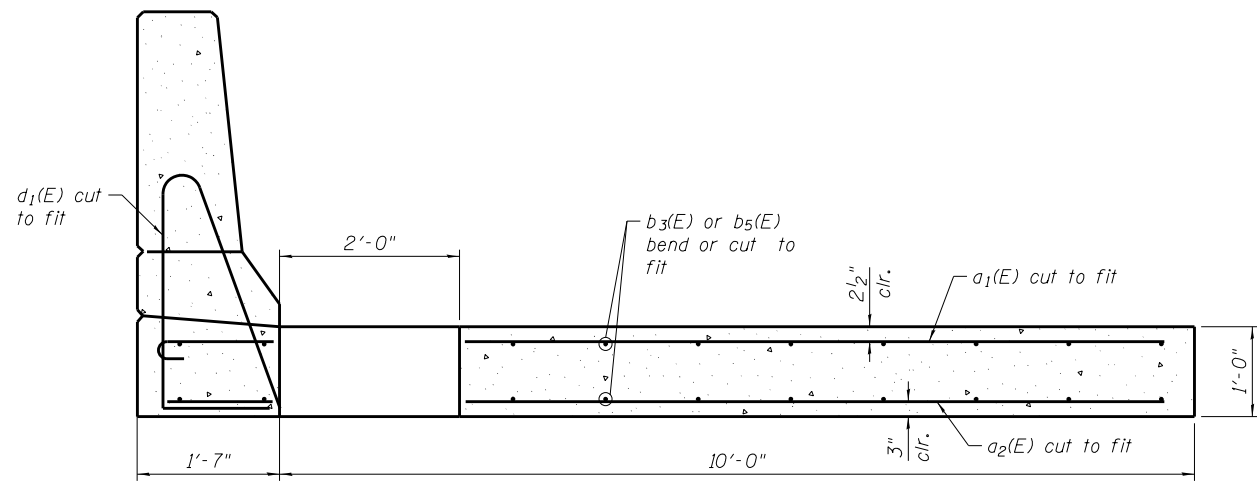
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|------------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| | CHECKED - APD | REVISED - |
| PLOT SCALE = 1/8" = 1' / in. | DRAWN - SBA | REVISED - |
| PLOT DATE = 5/9/2018 | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

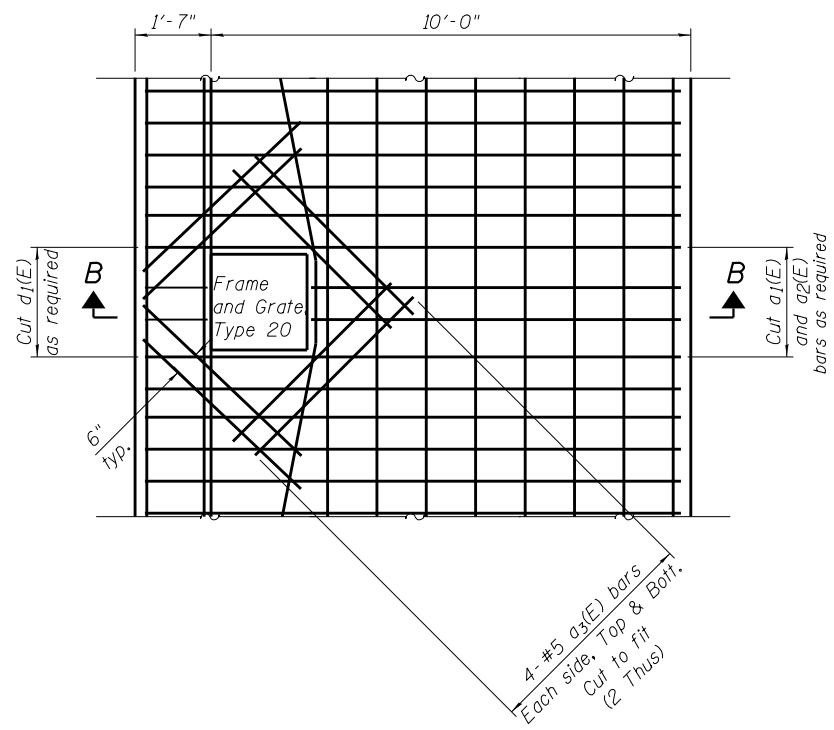
**GENERAL NOTES
 RAMP CB RETAINING WALL**

SHEET NO. S-2 OF S-11 SHEETS

| | | | | |
|---------------------------|----------------------|-------------|--------------------|---------------|
| F.A.I. RTE. 80 | SECTION 99-4-1VB-1-R | COUNTY WILL | TOTAL SHEETS 840 | SHEET NO. 602 |
| | | | CONTRACT NO. 60N87 | |
| ILLINOIS FED. AID PROJECT | | | | |

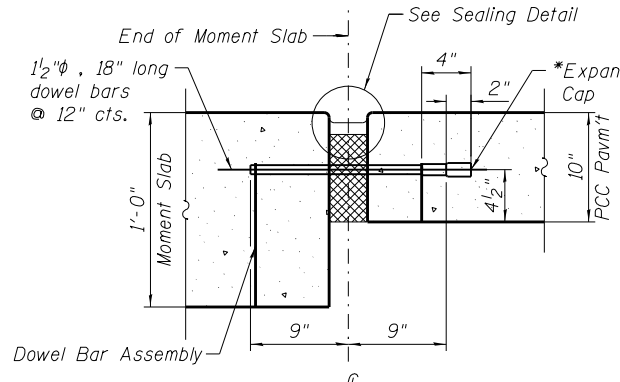


SECTION B-B

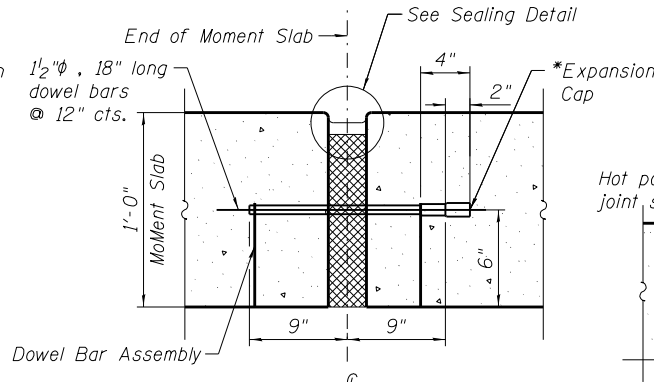


MOMENT SLAB AT MAN HOLE

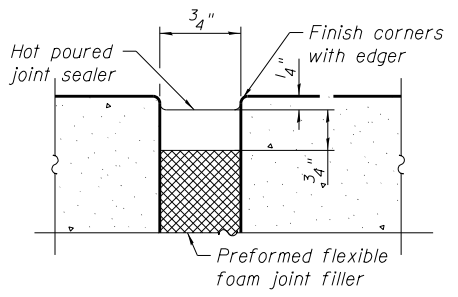
NOTE:
Provide minimum 2" clearance between reinforcing bars and Frame and Grate



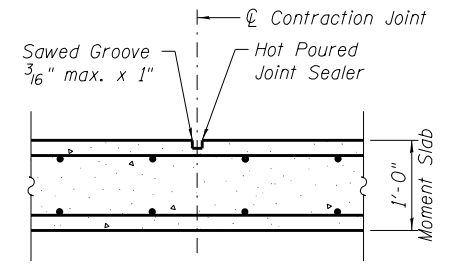
MOMENT SLAB TO PCC PAVEMENT



MOMENT SLAB TO MOMENT SLAB TRANSVERSE EXPANSION JOINT

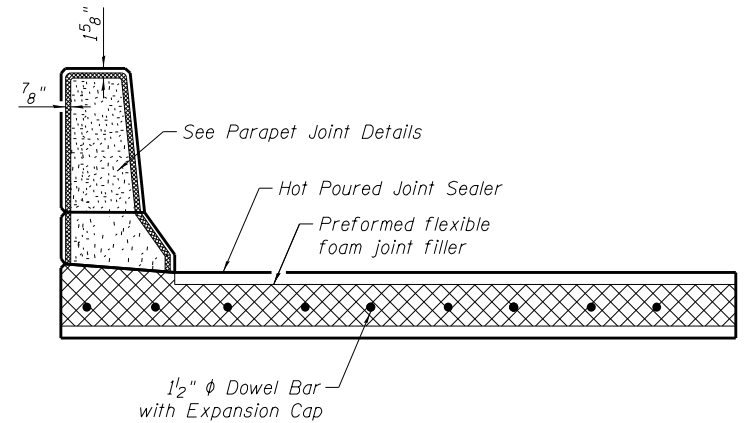


SEALING DETAIL

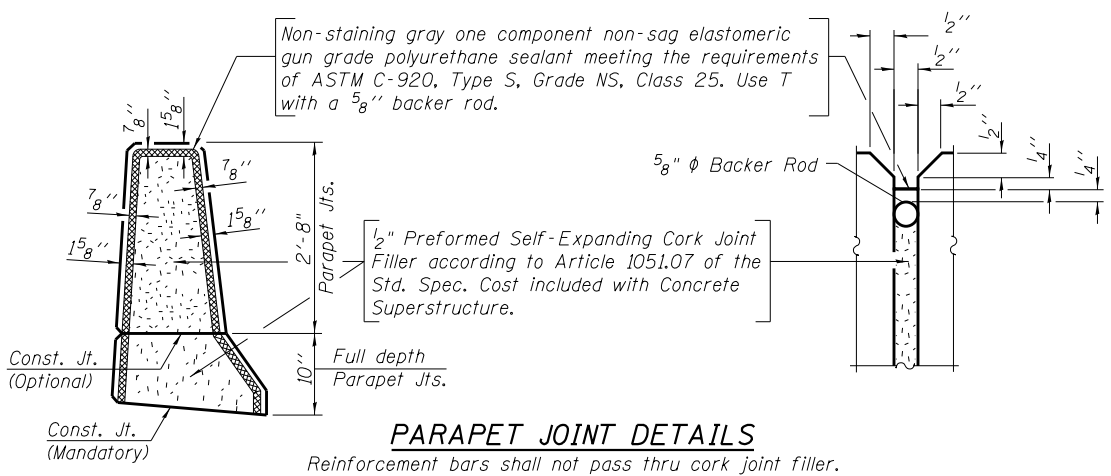


TRANSVERSE CONTRACTION JOINT
See Art. 420.05(c) of Standard Specifications

NOTE:
Joints in adjacent pavement shall be in-line with the moment slab joints.
Expansion Joint and Dowel Bars included in the cost of Concrete Superstructure.
* Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.



TRANSVERSE EXPANSION JOINT SECTION



PARAPET JOINT DETAILS
Reinforcement bars shall not pass thru cork joint filler.

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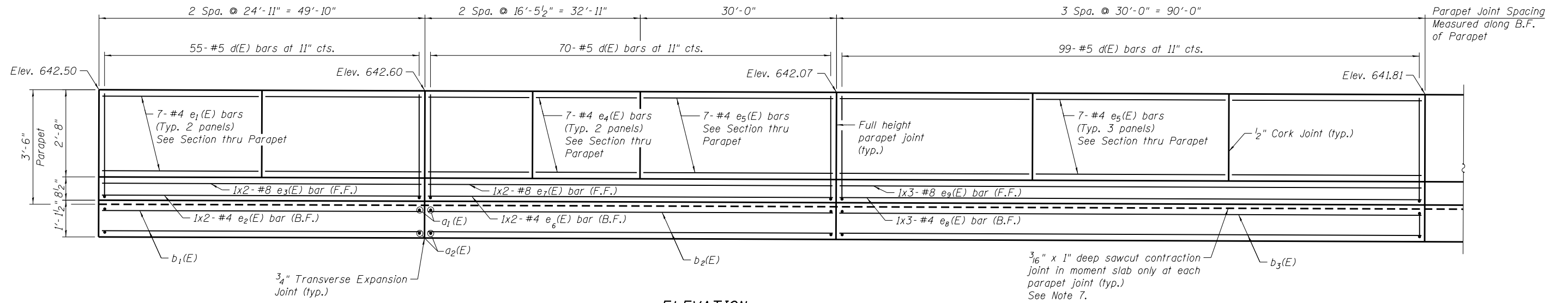
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|---------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

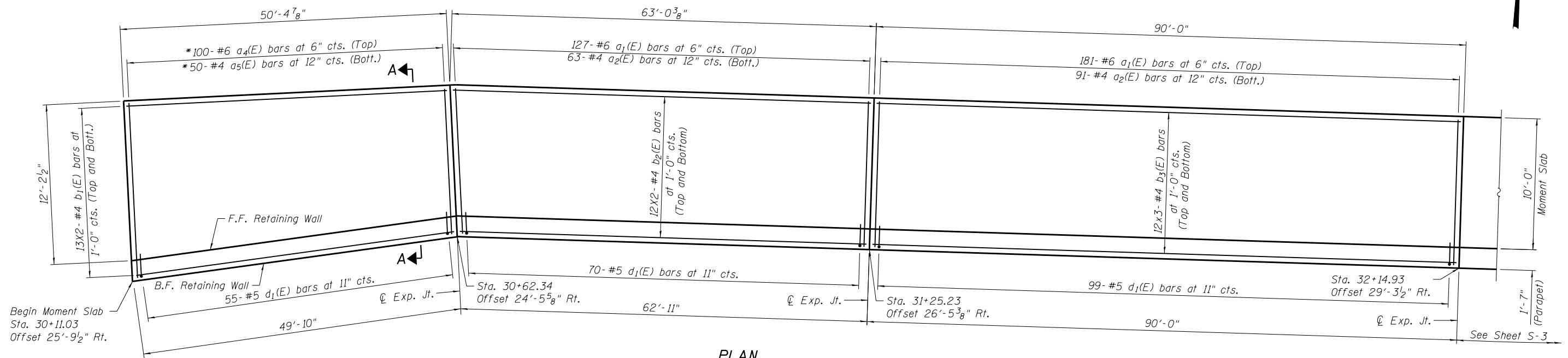
**MISCELLANEOUS DETAILS
RAMP CB RETAINING WALL**
SHEET NO. S-8 OF S-11 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|--------|--------------|--------------------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 603 |
| | | | | CONTRACT NO. 60N87 |

ILLINOIS FED. AID PROJECT



ELEVATION
(Looking at Back Face of Wall)



PLAN

* Cut in field as required

MIN BAR LAP

- #4 bars - 2'-11"
- #8 bars - 6'-4"

NOTES:

1. Bars indicated thus 7x2- #5 etc. indicates 7 lines of bars with 2 lengths per line.
2. F.F. = Front Face & B.F. = Back Face.
3. For Section A-A see Sheet S-7.
4. For Section thru Parapet and Bar Diagrams see Sheet S-7.
5. For Parapet Joint details, see Sheet S-8.
6. For Expansion Joint details, see Sheet S-8.
7. For Transverse Contraction Joint details, see Sheet S-8.

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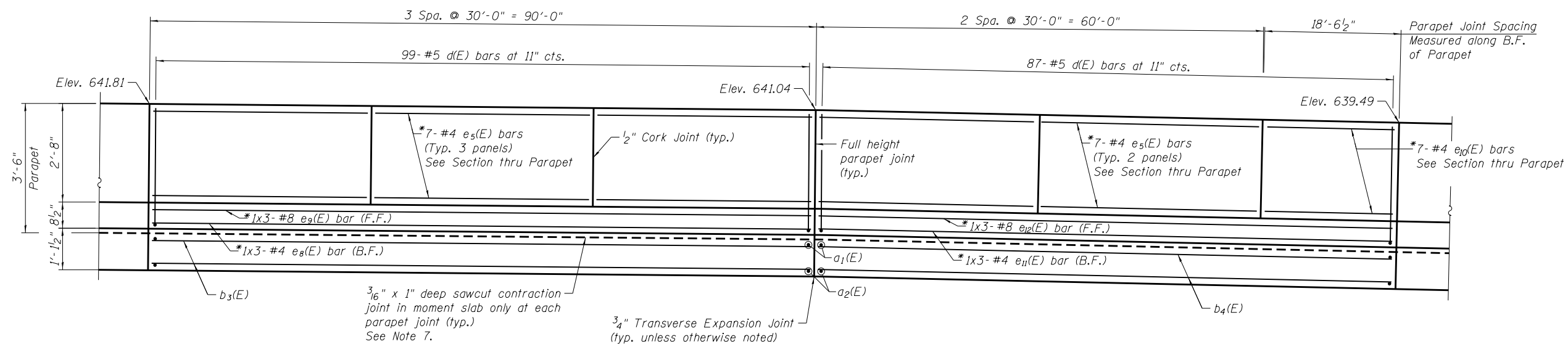
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| PLOT SCALE = 16.0000' / in. | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOMENT SLAB PLAN & ELEVATION (1 OF 5)
RAMP CB RETAINING WALL**

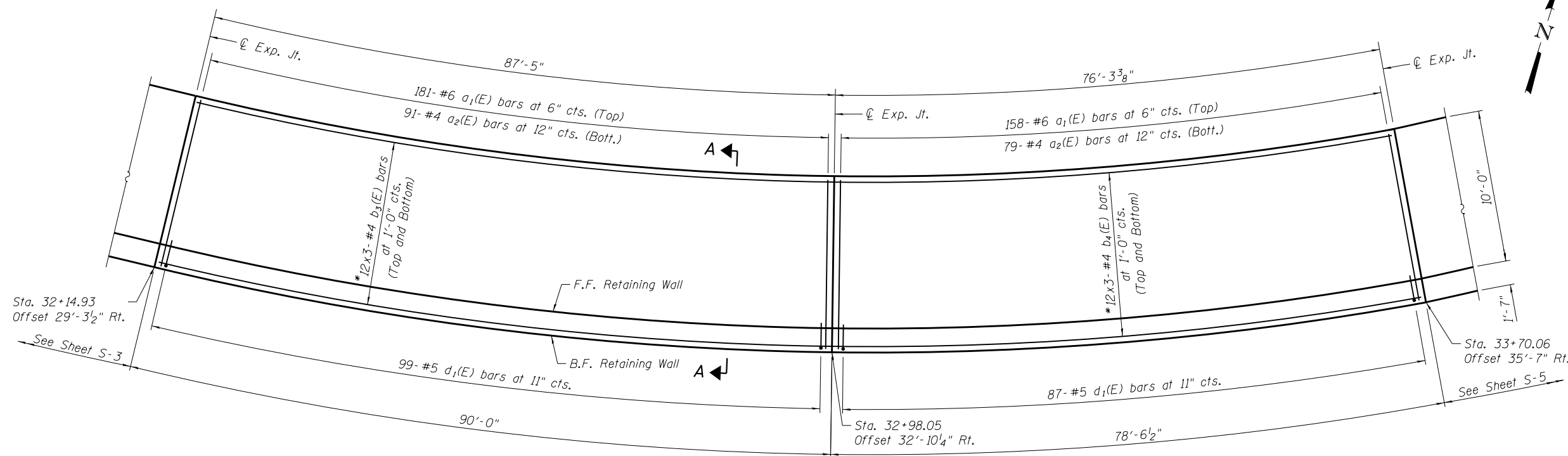
SHEET NO. S-3 OF S-11 SHEETS

| | | | | |
|--------------------|--------------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 604 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



ELEVATION

(Looking at Back Face of Wall)



PLAN

MIN BAR LAP

#4 bars - 2'-11"
#8 bars - 6'-4"

* Bend and cut in field as required (Typ.)

NOTES:

1. Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
2. F.F. = Front Face & B.F. = Back Face.
3. For Section A-A see Sheet S-7.
4. For Section thru Parapet and Bar Diagrams see Sheet S-7.
5. For Parapet Joint details, see Sheet S-8.
6. For Expansion Joint details, see Sheet S-8.
7. For Transverse Contraction Joint details, see Sheet S-8.

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| | | |
|------------------------------|---------------|-----------|
| USER NAME = jattanasoo | DESIGNED - LM | REVISED - |
| PLOT SCALE = 1/8" = 1' / in. | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

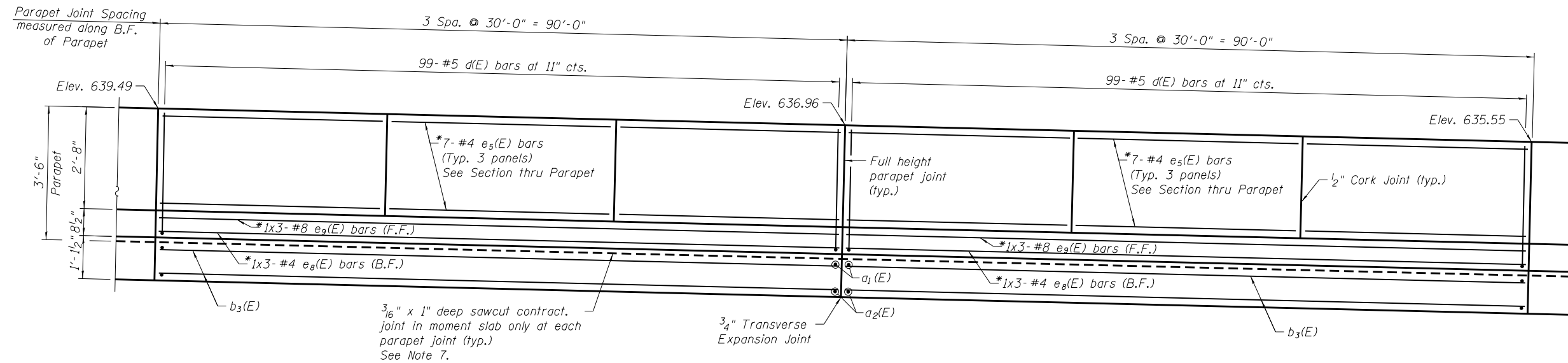
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOMENT SLAB PLAN & ELEVATION (2 OF 5)
RAMP CB RETAINING WALL**

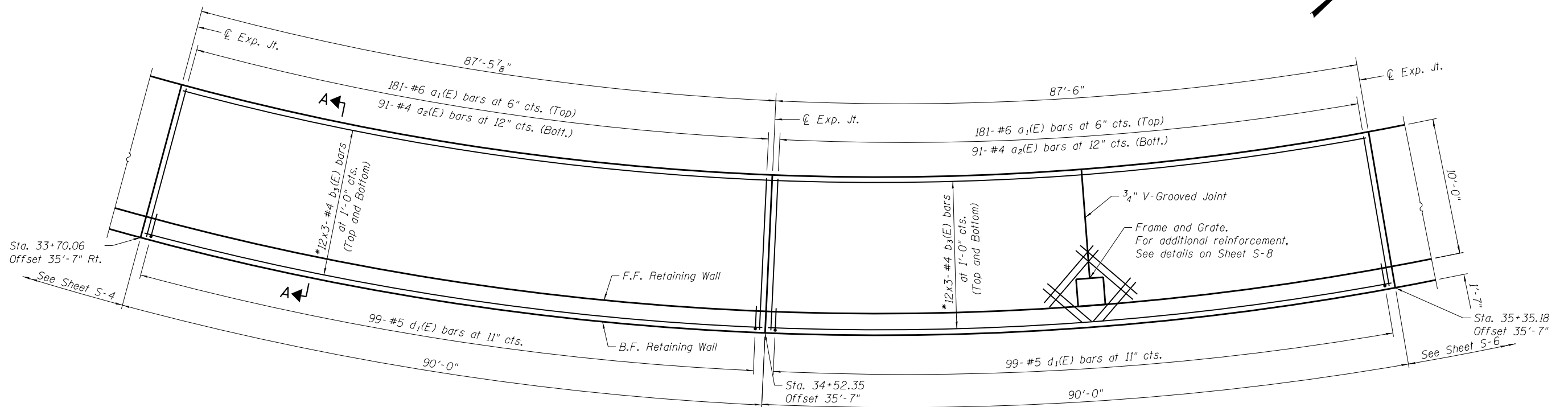
SHEET NO. S-4 OF S-11 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|--------------|--------|--------------|--------------------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 605 |
| | | | | CONTRACT NO. 60N87 |

ILLINOIS FED. AID PROJECT



ELEVATION
(Looking at Back Face of Wall)



PLAN

MIN BAR LAP

#4 bars - 2'-11"
#8 bars - 6'-4"

* Bend and cut in field as required (Typ.)

NOTES:

1. Bars indicated thus 7x2- #5 etc. indicates 7 lines of bars with 2 lengths per line.
2. F.F. = Front Face & B.F. = Back Face.
3. For Section A-A see Sheet S-7.
4. For Section thru Parapet and Bar Diagrams see Sheet S-7.
5. For Parapet Joint details, see Sheet S-8.
6. For Expansion Joint details, see Sheet S-8.
7. For Transverse Contraction Joint details, see Sheet S-8.

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| | | |
|---------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| | CHECKED - APD | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | DRAWN - SBA | REVISED - |
| PLOT DATE = 5/9/2018 | CHECKED - BWS | REVISED - |

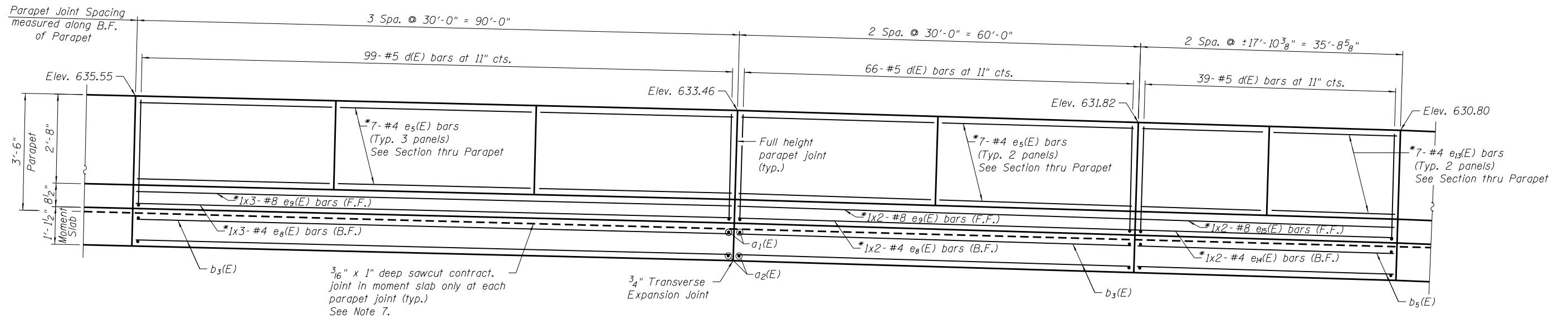
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOMENT SLAB PLAN & ELEVATION (3 OF 5)
RAMP CB RETAINING WALL**

SHEET NO. S-5 OF S-11 SHEETS

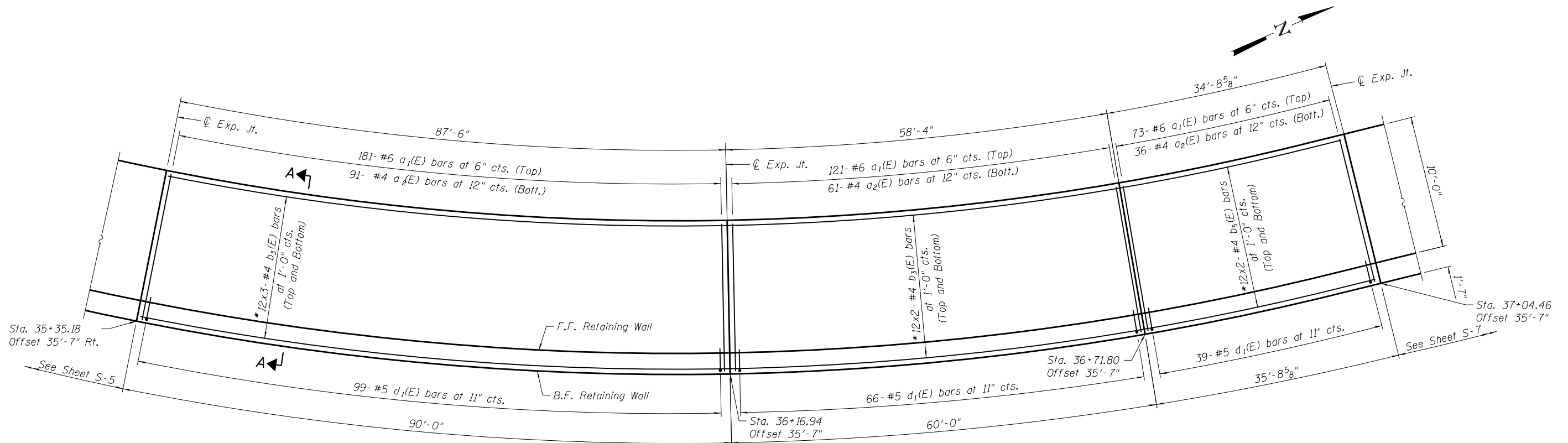
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|-------------|--------------|--------|--------------|--------------------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 606 |
| | | | | CONTRACT NO. 60N87 |

ILLINOIS FED. AID PROJECT



ELEVATION
(Looking at Back Face of Wall)

* Bend and cut in field as required



PLAN

MIN BAR LAP

#4 bars - 2'-11"
#8 bars - 6'-4"

NOTES:

1. Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
2. F.F. = Front Face & B.F. = Back Face.
3. For Sections A-A see Sheet S-7.
4. For Section thru Parapet and Bar Diagrams see Sheet S-7.
5. For Parapet Joint details, see Sheet S-8.
6. For Expansion Joint details, see Sheet S-8.
7. For Transverse Contraction Joint details, see Sheet S-8.

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USER NAME = jattenaseo
DESIGNED - LM
CHECKED - APD
DRAWN - SBA
CHECKED - BWS
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 5/9/2018

DESIGNED - LM
CHECKED - APD
DRAWN - SBA
CHECKED - BWS

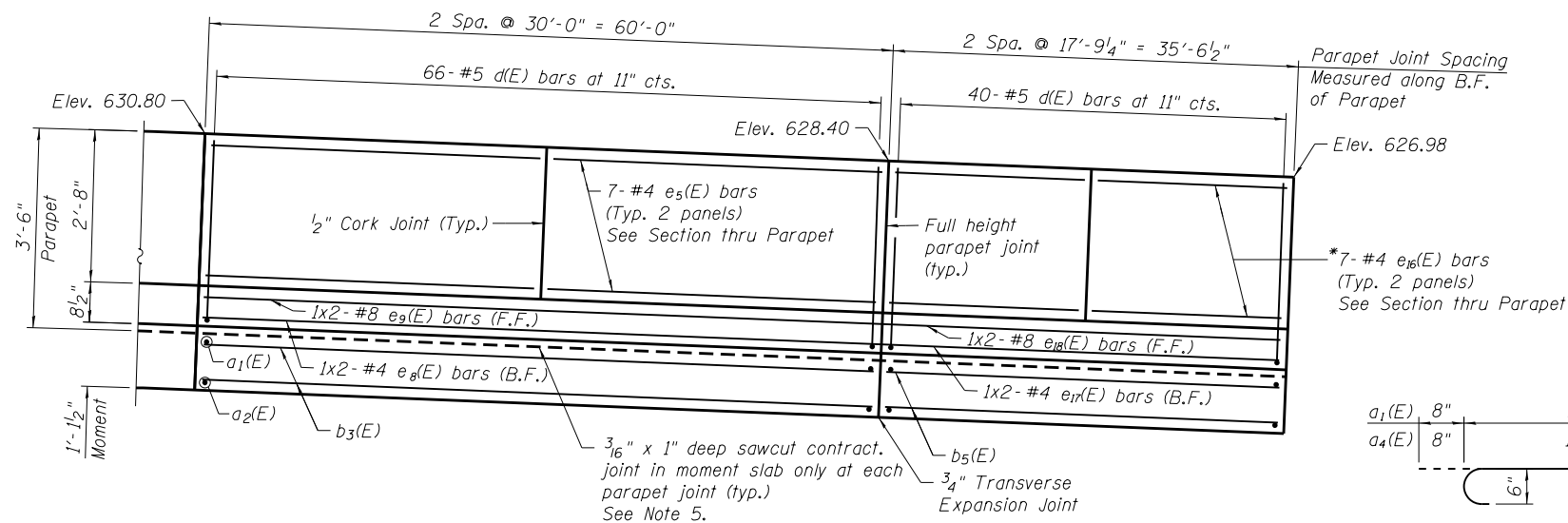
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

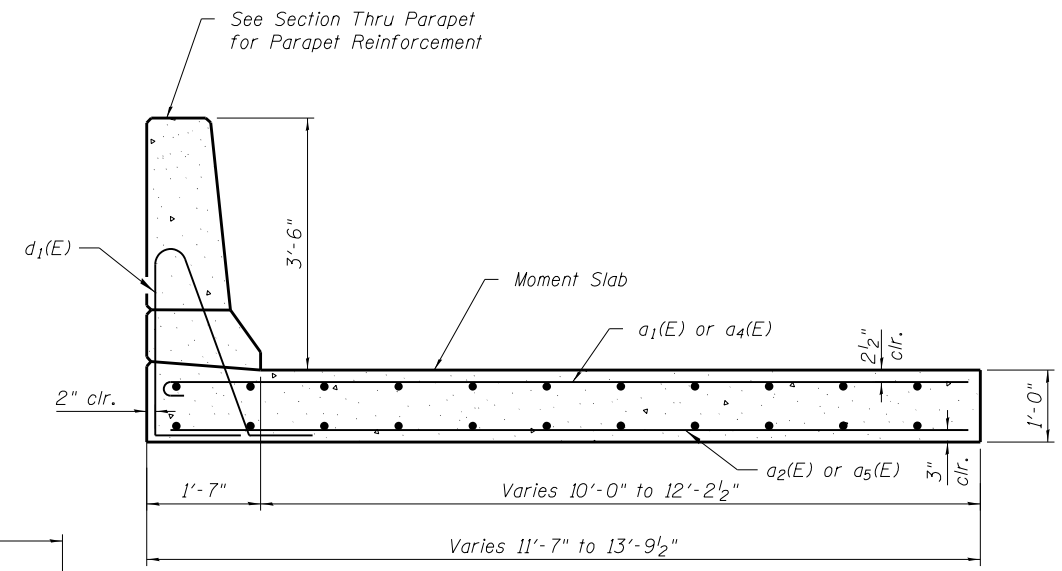
MOMENT SLAB PLAN & ELEVATION (4 OF 5)
RAMP CB RETAINING WALL

SHEET NO. S-6 OF S-11 SHEETS

| F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 607 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |

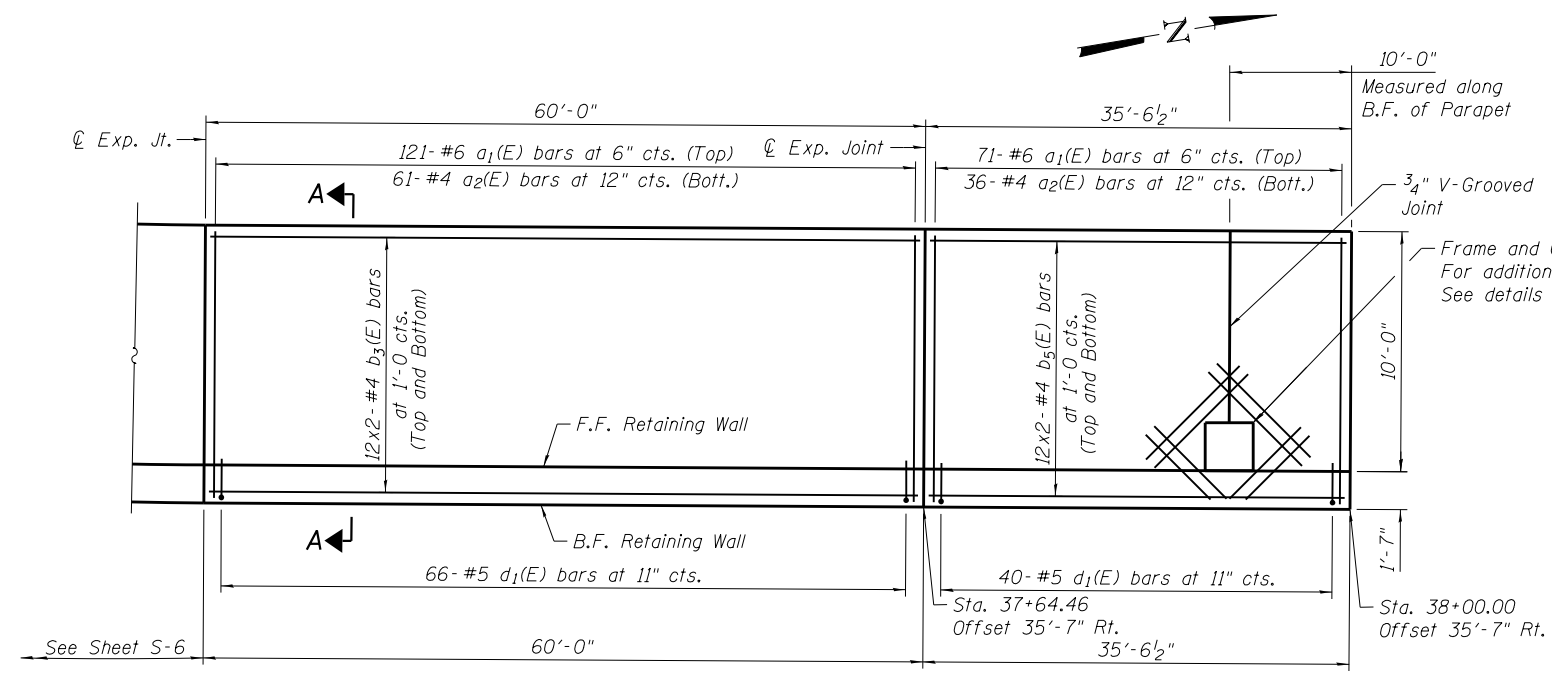
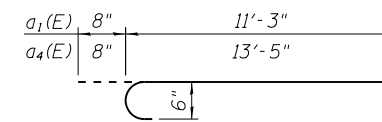


ELEVATION
(Looking at Back Face of Wall)



SECTION A-A

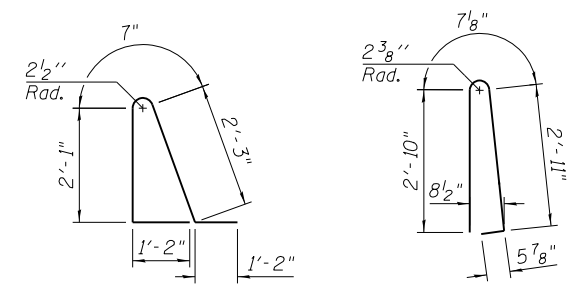
BAR a1(E) & a4(E)



PLAN

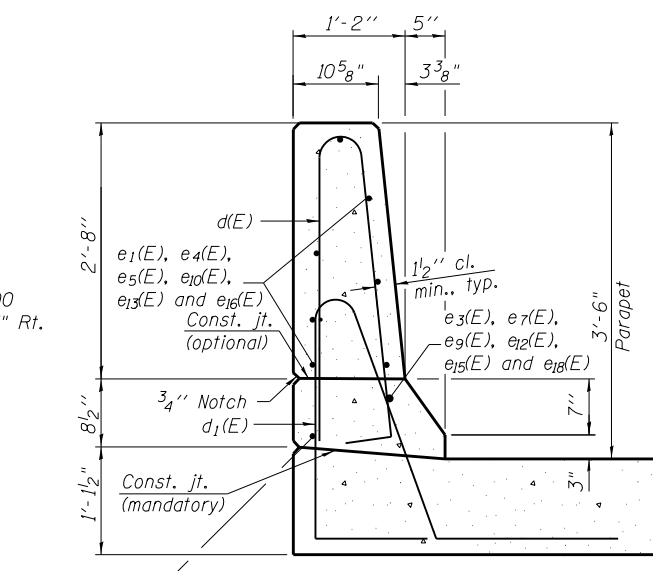
MIN BAR LAP

#4 bars - 2'-11"
#8 bars - 6'-4"



BAR d1(E)

BAR d(E)



SECTION THROUGH PARAPET

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|------|---------|---------|-------|
| a1(E) | 1576 | # 6 | 11'-11" | U |
| a2(E) | 791 | # 4 | 11'-3" | U |
| a3(E) | 32 | # 5 | 4'-8" | U |
| a4(E) | 100 | # 6 | 14'-1" | U |
| a5(E) | 50 | # 4 | 13'-5" | U |
| b1(E) | 52 | # 4 | 26'-4" | U |
| b2(E) | 48 | # 4 | 33'-3" | U |
| b3(E) | 504 | # 4 | 31'-10" | U |
| b4(E) | 72 | # 4 | 28'-0" | U |
| b5(E) | 96 | # 4 | 19'-1" | U |
| d(E) | 918 | # 5 | 6'-10" | U |
| d1(E) | 918 | # 5 | 7'-4" | U |
| e1(E) | 14 | # 4 | 24'-7" | U |
| e2(E) | 2 | # 4 | 26'-3" | U |
| e3(E) | 2 | # 8 | 27'-11" | U |
| e4(E) | 14 | # 4 | 16'-1" | U |
| e5(E) | 154 | # 4 | 29'-8" | U |
| e6(E) | 2 | # 4 | 32'-9" | U |
| e7(E) | 2 | # 8 | 34'-6" | U |
| e8(E) | 19 | # 4 | 31'-10" | U |
| e9(E) | 19 | # 8 | 34'-2" | U |
| e10(E) | 7 | # 4 | 18'-2" | U |
| e11(E) | 3 | # 4 | 28'-0" | U |
| e12(E) | 3 | # 8 | 30'-4" | U |
| e13(E) | 14 | # 4 | 17'-6" | U |
| e14(E) | 2 | # 4 | 19'-2" | U |
| e15(E) | 2 | # 8 | 20'-11" | U |
| e16(E) | 14 | # 4 | 17'-5" | U |
| e17(E) | 2 | # 4 | 19'-1" | U |
| e18(E) | 2 | # 8 | 20'-10" | U |
| Concrete Superstructure | | Cu. Yd. | 490.5 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 72,680 | |

NOTES:

1. Bars indicated thus 7x2- #5 etc. indicates 7 lines of bars with 2 lengths per line.
2. F.F. = Front Face & B.F. = Back Face.
3. For Parapet Joint details, see Sheet S-8.
4. For Expansion Joint details, see Sheet S-8.
5. For Transverse Contraction Joint details, see Sheet S-8.

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| | | |
|---------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOMENT SLAB PLAN & ELEVATION (5 OF 5)
RAMP CB RETAINING WALL**

| | | | | |
|--------------------|----------------------|-------------|---------------------------|---------------|
| F.A.I. RTE. 80 | SECTION 99-4-1VB-1-R | COUNTY WILL | TOTAL SHEETS 840 | SHEET NO. 608 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |

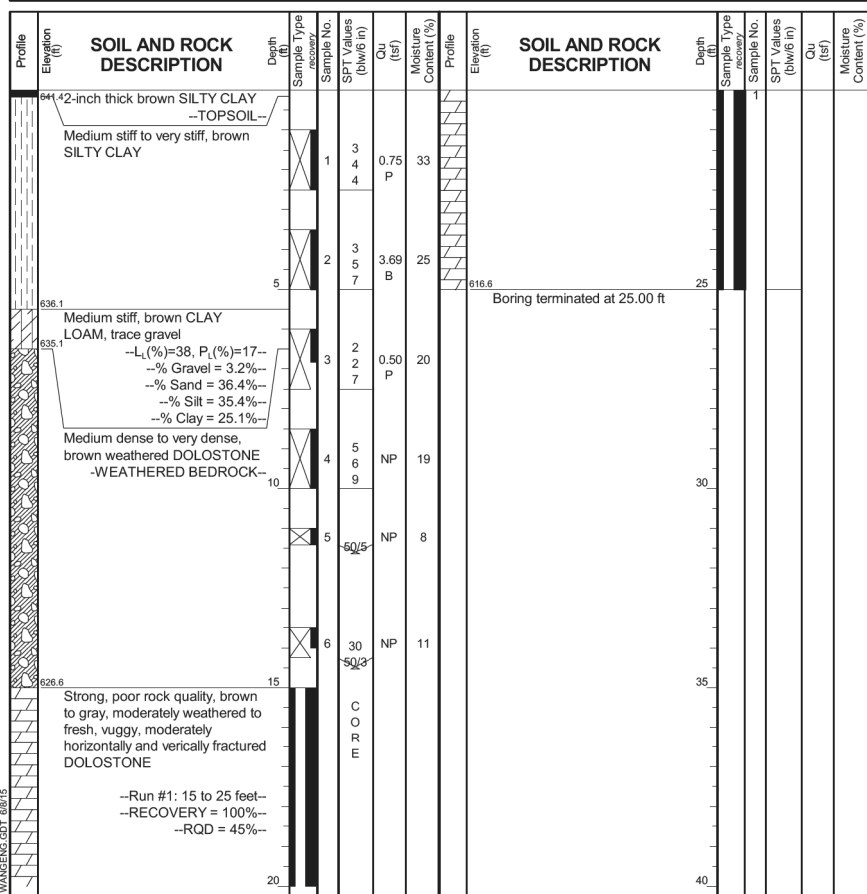
SHEET NO. S-7 OF S-11 SHEETS

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Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG QR-02
 WEI Job No.: 775-13-02
 Datum: NGVD
 Elevation: 641.58 ft
 North: 1767208.97 ft
 East: 1078118.62 ft
 Station: 34+52
 Offset: 56.7 RT

Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**

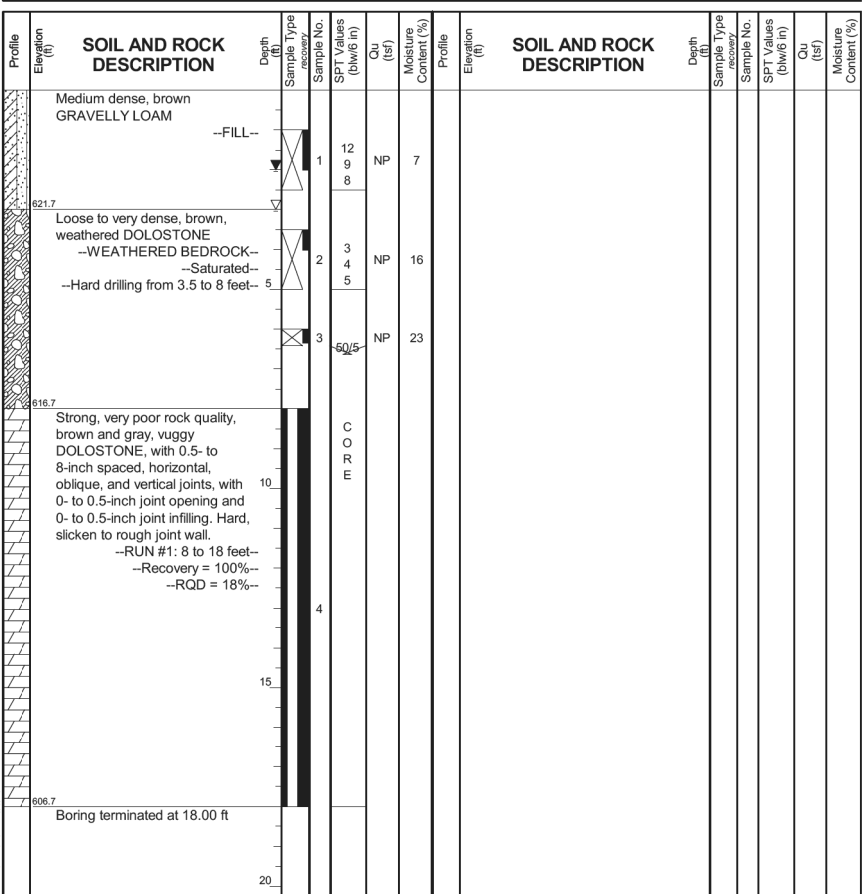


| GENERAL NOTES | | WATER LEVEL DATA | |
|---------------------|-------------------------------------------|-------------------|------------|
| Begin Drilling | 12-21-2011 | Complete Drilling | 12-21-2011 |
| Drilling Contractor | WTS | Drill Rig | D-50 ATV |
| Driller | K & K | Logger | B. Wilson |
| Checked by | C. Marin | Depth to Water | NA |
| Drilling Method | 3.25" IDA HSA, backfilled upon completion | | |

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG RCB-RW-01
 WEI Job No.: 775-13-02
 Datum: NGVD
 Elevation: 624.66 ft
 North: 1767518.78 ft
 East: 1078235.98 ft
 Station: 37+61.83
 Offset: 9.59 RT

Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**

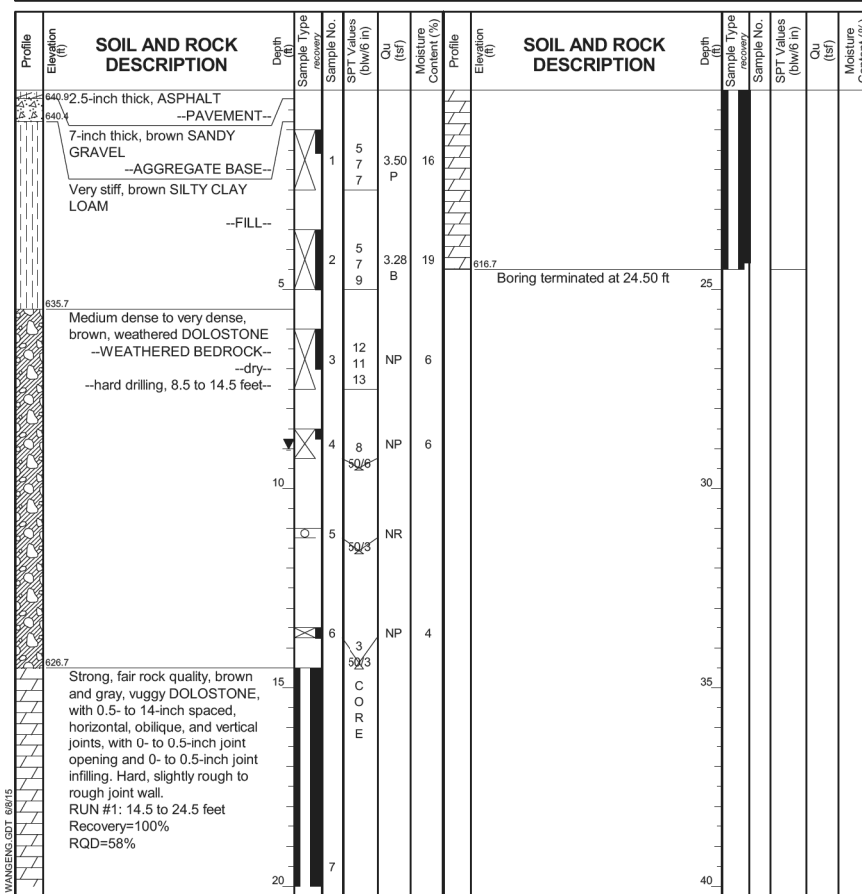


| GENERAL NOTES | | WATER LEVEL DATA | |
|---------------------|-------------------------------------------|-------------------|------------|
| Begin Drilling | 05-07-2015 | Complete Drilling | 05-07-2015 |
| Drilling Contractor | K&S | Drill Rig | D-50 TMR |
| Driller | R&E | Logger | F. Bozga |
| Checked by | B. Wilson | Depth to Water | 3.00 ft |
| Drilling Method | 3.25" IDA HSA, backfilled upon completion | | |

Wang Engineering
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 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG RCB-RW-02
 WEI Job No.: 775-13-02
 Datum: NGVD
 Elevation: 641.16 ft
 North: 1767345.31 ft
 East: 1078259.62 ft
 Station: 36+15.35
 Offset: 81.73 RT

Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**



| GENERAL NOTES | | WATER LEVEL DATA | |
|---------------------|-------------------------------------------|-------------------|------------|
| Begin Drilling | 05-08-2015 | Complete Drilling | 05-08-2015 |
| Drilling Contractor | K&S | Drill Rig | D-50 TMR |
| Driller | R&E | Logger | F. Bozga |
| Checked by | B. Wilson | Depth to Water | 9.00 ft |
| Drilling Method | 3.25" IDA HSA, backfilled upon completion | | |



| | | |
|---------------------------|---------------|-----------|
| USER NAME = jettanoso | DESIGNED - LM | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS (1 OF 3)
 RAMP CB RETAINING WALL**

SHEET NO. S-9 OF S-11 SHEETS

| | | | | |
|--------------------|--------------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 609 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |

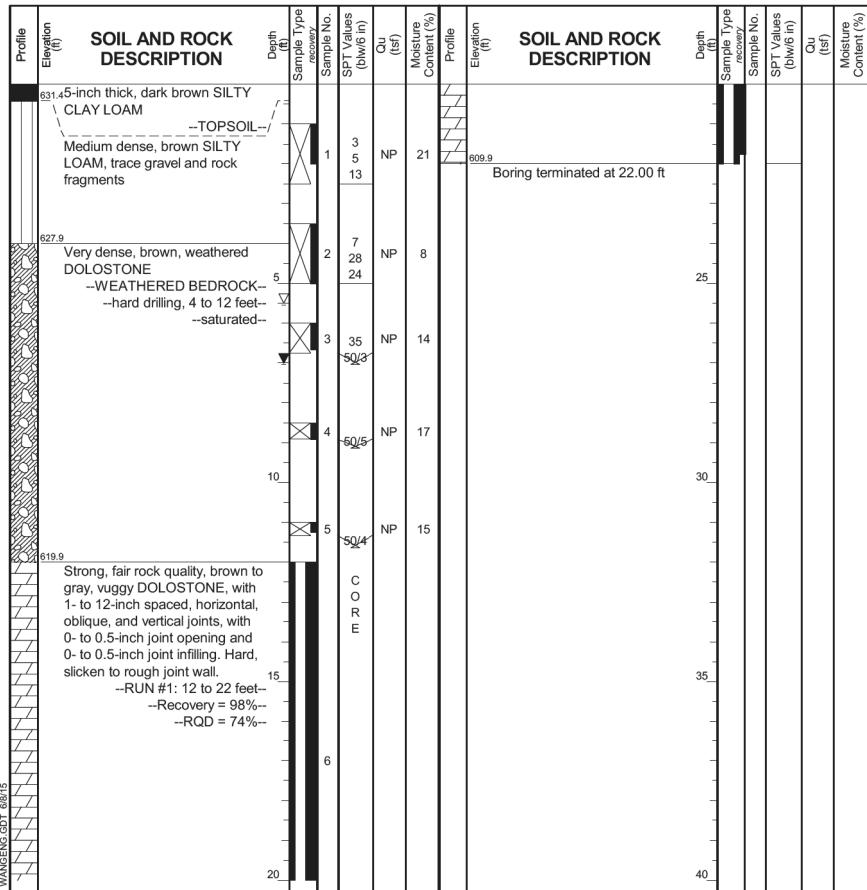
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Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG RCB-RW-03
 WEI Job No.: 775-13-02
 Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**

Datum: NGVD
 Elevation: 631.86 ft
 North: 1767263.03 ft
 East: 1078115.47 ft
 Station: 34+80.18
 Offset: 11.67 RT

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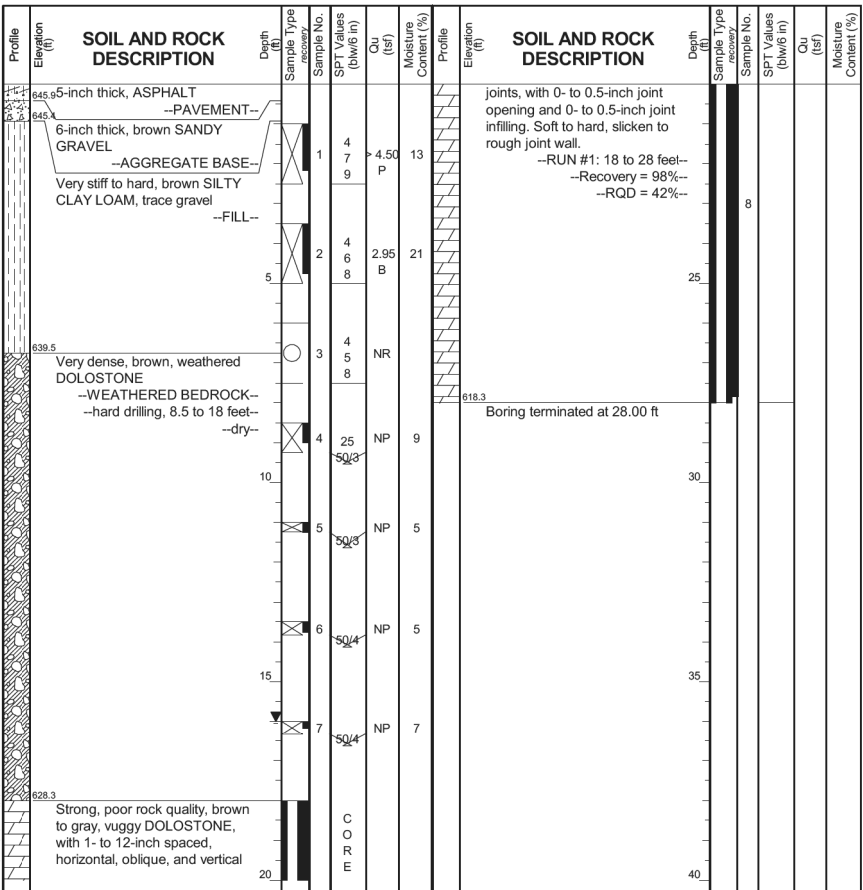
| GENERAL NOTES | | WATER LEVEL DATA | |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|------------|
| Begin Drilling | 05-06-2015 | Complete Drilling | 05-07-2015 |
| Drilling Contractor | K&S | Drill Rig | D-50 TMR |
| Driller | R&E | Logger | F. Bozga |
| Checked by | B. Wilson | Time After Drilling | NA |
| Drilling Method | 3.25" JDA HSA, backfilled upon completion | Depth to Water | NA |
| The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. | | | |

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 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG RCB-RW-04
 WEI Job No.: 775-13-02
 Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**

Datum: NGVD
 Elevation: 646.27 ft
 North: 1767167.04 ft
 East: 1078099.57 ft
 Station: 34+14.74
 Offset: 76.33 RT

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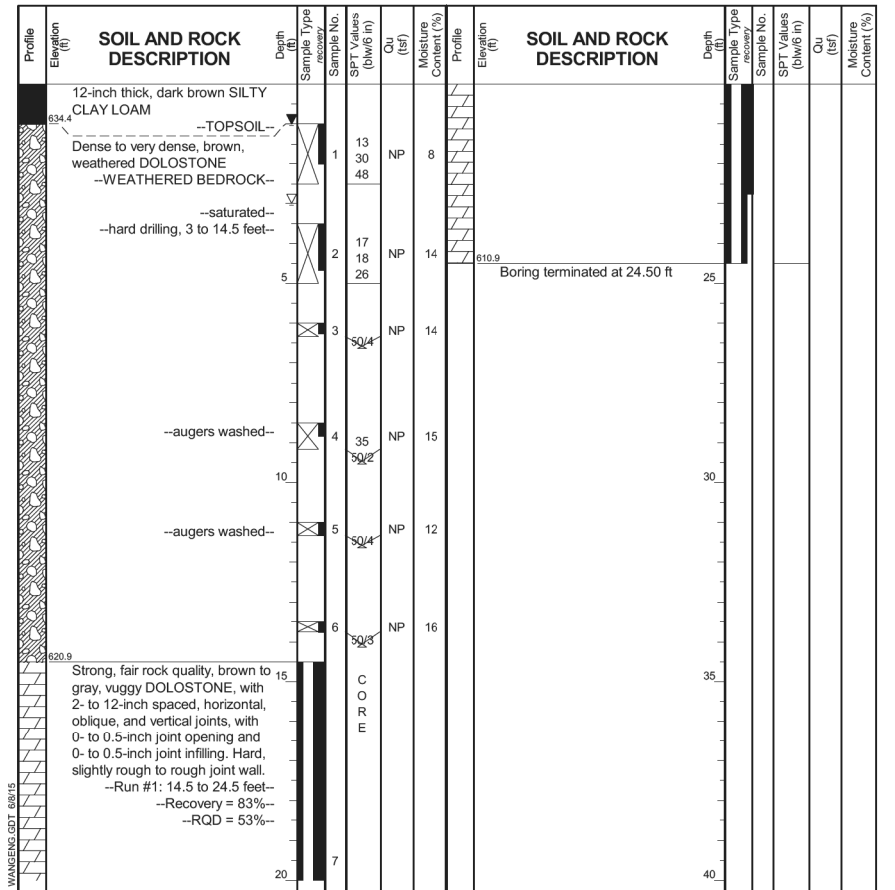
| GENERAL NOTES | | WATER LEVEL DATA | |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|------------|
| Begin Drilling | 05-08-2015 | Complete Drilling | 05-08-2015 |
| Drilling Contractor | K&S | Drill Rig | D-50 TMR |
| Driller | R&E | Logger | F. Bozga |
| Checked by | B. Wilson | Time After Drilling | NA |
| Drilling Method | 3.25" JDA HSA, backfilled upon completion | Depth to Water | NA |
| The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. | | | |

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 Fax: 630 953-9938

BORING LOG RCB-RW-05
 WEI Job No.: 775-13-02
 Client: **Ciorba Group, Inc.**
 Project: **Ramp CB Retaining Wall, I-80 at US 30**
 Location: **New Lenox, Will County, IL**

Datum: NGVD
 Elevation: 635.39 ft
 North: 1767191.80 ft
 East: 1077954.28 ft
 Station: 33+04.01
 Offset: 10.24 LT

Page 1 of 1



| GENERAL NOTES | | WATER LEVEL DATA | |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------|------------|
| Begin Drilling | 05-06-2015 | Complete Drilling | 05-06-2015 |
| Drilling Contractor | K&S | Drill Rig | D-50 TMR |
| Driller | R&E | Logger | F. Bozga |
| Checked by | B. Wilson | Time After Drilling | NA |
| Drilling Method | 3.25" JDA HSA, backfilled upon completion | Depth to Water | NA |
| The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. | | | |



| | | |
|---------------------------|---------------|-----------|
| USER NAME = jattenoso | DESIGNED - LM | REVISED - |
| PLOT SCALE = 1/8" = 1'-0" | CHECKED - APD | REVISED - |
| PLOT DATE = 5/9/2018 | DRAWN - SBA | REVISED - |
| | CHECKED - BWS | REVISED - |

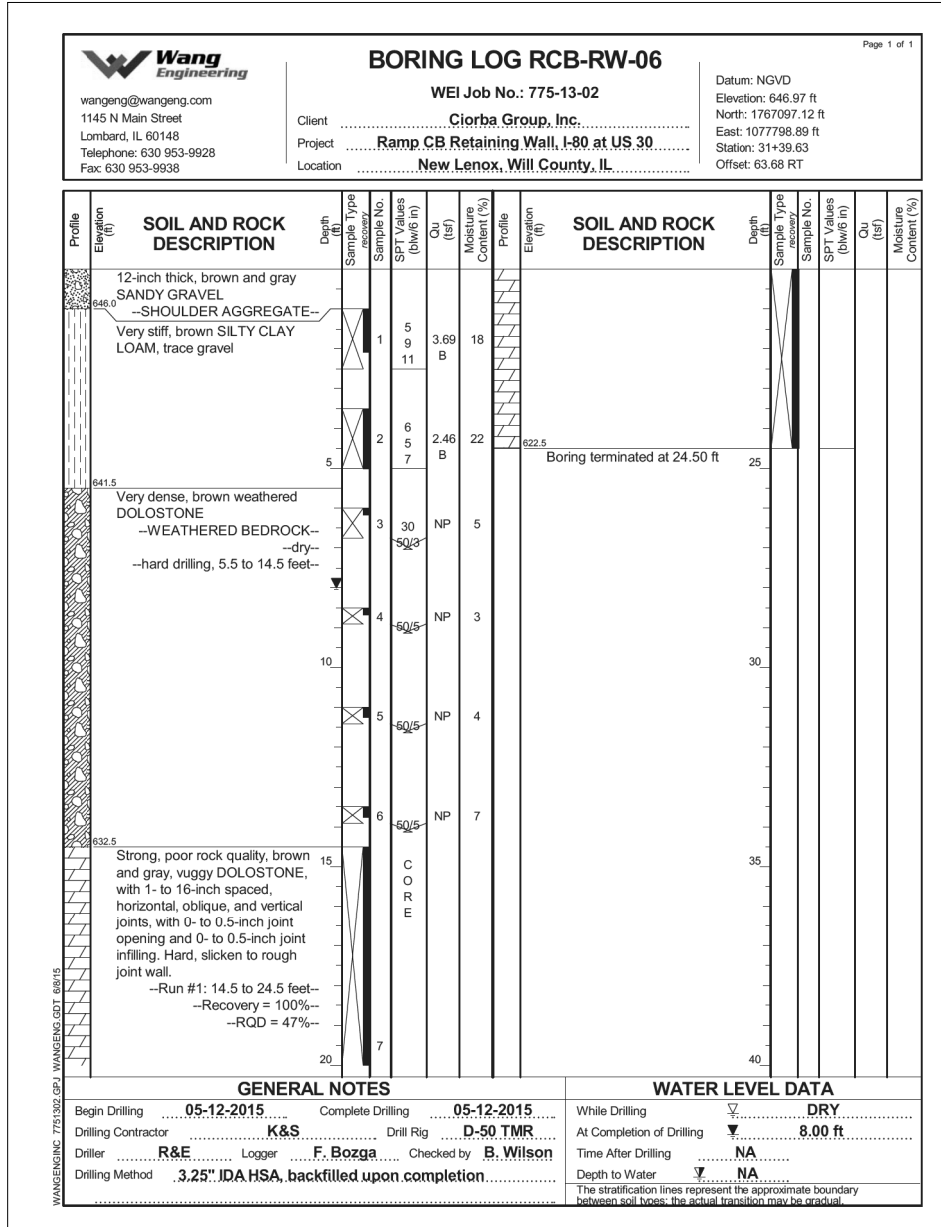
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS (2 OF 3)
 RAMP CB RETAINING WALL**

SHEET NO. S-10 OF S-11 SHEETS

| | | | | |
|---------------------------|--------------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 610 |
| CONTRACT NO. | | | 60N87 | |
| ILLINOIS FED. AID PROJECT | | | | |

N:\PROJECTS\0003384\004\US_30\Design\Structural\CAD\Ramp_CB_Retaining_Wall\3384_XX_Soil_Boring_3.dgn



| | | |
|------------------------------|---------------|-----------|
| USER NAME = jattenaseo | DESIGNED - LM | REVISED - |
| | CHECKED - APD | REVISED - |
| PLOT SCALE = 1/8" = 1' / in. | DRAWN - SBA | REVISED - |
| PLOT DATE = 5/9/2018 | CHECKED - BWS | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS (3 OF 3)
RAMP CB RETAINING WALL**

SHEET NO. S-11 OF S-11 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 611 |
| CONTRACT NO. 60N87 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 612 |
| ILLINOIS CONTRACT NO. 60N87 | | | | |

VOLUME 3
FOR INDEX OF SHEETS, SEE SHEET 613

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

F.A.I. ROUTE 80 (INTERSTATE 80)
SECTION 99-4-1VB-1-R
PROJECT NHPP LPYF (801)
AT U.S. ROUTE 30
INTERCHANGE RECONSTRUCTION & BRIDGE REPLACEMENT
WILL COUNTY
C-91-419-11

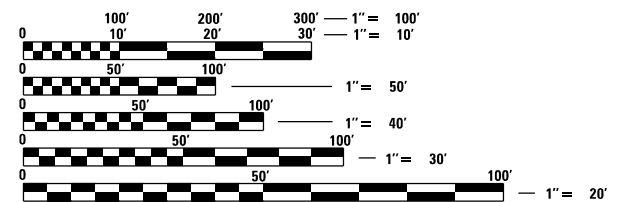
DESIGN DESIGNATION
F.A.I. ROUTE 80 - 3870 (30) INTERSTATE 111.59 (CRC-20)
U.S. ROUTE 30 - 1980 (30) ARTERIAL 8.88 (PCC-20)

TRAFFIC DATA
ADT (2008)
WESTBOUND EXIT RAMP = 6,900
EASTBOUND EXIT RAMP = 7,500
WESTBOUND ENTRANCE RAMP = 5,300
EASTBOUND ENTRANCE RAMP = 6,500
INTERSTATE 80 = 81,200
U.S. ROUTE 30 = 30,200

ADT (2030):
WESTBOUND EXIT RAMP = 13,000
EASTBOUND EXIT RAMP = 10,000
WESTBOUND ENTRANCE RAMP = 10,000
EASTBOUND ENTRANCE RAMP = 13,000
INTERSTATE 80 = 115,000
U.S. ROUTE 30 = 49,000

DESIGN SPEED (I-80) = 60 MPH
POSTED SPEED (I-80) = 55 MPH
DESIGN SPEED (US 30) = 45 MPH
POSTED SPEED (US 30) = 40 MPH
DESIGN SPEED (WB EXIT RAMP) = 25 MPH
DESIGN SPEED (EB EXIT RAMP) = 50 MPH
DESIGN SPEED (WB ENTRANCE RAMP) = 35 MPH
DESIGN SPEED (EB ENTRANCE RAMP) = 25 MPH

PROJECT LOCATED IN THE VILLAGE
OF NEW LENOX



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.

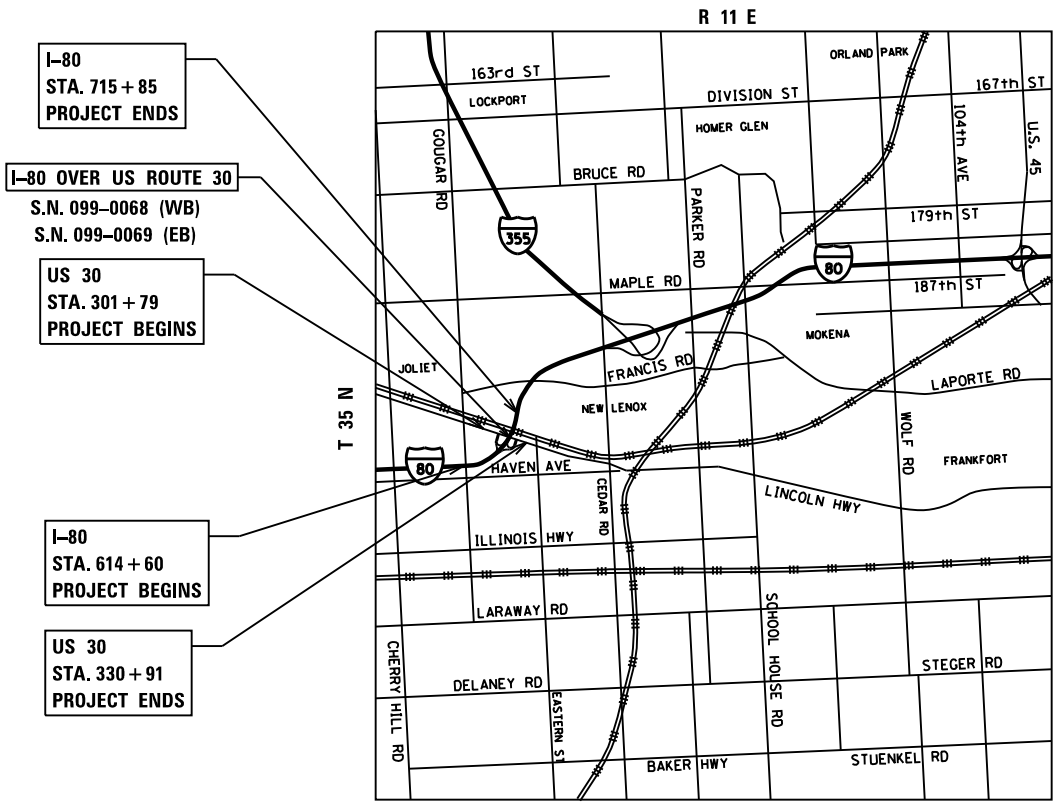
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: SUNG BYUN
PROJECT MANAGER: KIM HARVEY, (847) 705-4055, DISTRICT 1

CONTRACT NO. 60N87

GROSS LENGTH (I-80) = 7,561 FT. = 1.43 MILE
GROSS LENGTH (US 30) = 2,912 FT. = 0.55 MILE
NET LENGTH (I-80) = 7,561 FT. = 1.43 MILE
NET LENGTH (US 30) = 2,912 FT. = 0.55 MILE

THE PROJECT CONSISTS OF THE
WIDENING, REDECKING AND PARTIAL
BRIDGE REPLACEMENT OF S.N. 099-0068
AND S.N. 099-0069; RECONSTRUCTION
AND ADD LANE OF I-80 FROM
STA. 614 + 60 TO STA. 715 + 85;
RECONSTRUCTION OF THE I-80 AT US
30 INTERCHANGE; RECONSTRUCTION OF
US 30 FROM STA. 301 + 79 TO
STA. 330 + 91



Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 ☎ (773) 775-4009

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OF THE STATE OF ILLINOIS**

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| 195 | CONSTRUCTION ZONE APPROACH DETAIL |
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| 244 - 245 | PROPOSED DRAINAGE PLAN & PROFILE - RAMP CB |
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ENGINEERING CONSULTANT
Clorba Group, Inc.
 CONSULTING ENGINEERS
 8007 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60655
 Tel. 773.775.4009 Fax 773.775.4014
 Email: chicago@clorba.com

| | | |
|----------------------------|-----------------------|-----------|
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| | DRAWN - \$DRAWN_RDWY | REVISED - |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
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SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---------------------------------------------------|--------------|--------|--------------|-----------|
| 80 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 613 |
| CONTRACT NO. 60N87 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

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|-----------|--------------------------------------------------------------------------------------------|
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| 618 | BD49 - DETAIL OF C.L. SAWCUT 4.9 m (16') & VAR. JOINTED PCC PAV'T. FOR RAMPS |
| 619 | BD51 - BENCHING CONSTRUCTION DETAIL |
| 620 | BD52 - DETAIL OF PAVEMENT SEPERATION, JOINT FOR JOINTED PAVEMENTS AT INTERSECTIONS |
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| 623 | CS08 - CATCH BASIN AND INLET 4x3 AND 4x5 FOR H GREATER THAN 8'0" |
| 624 | CS09 - DRAINAGE STRUCTURES TYPE 8x3 AND 8x5 FOR H LESS THAN OR EQUAL TO 8'0" |
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| 638 | TC22 - ARTERIAL ROAD INFORMATION SIGN |
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| 765 - 768 | CROSS SECTIONS - RAMP BD (STAGE 2) |
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| 774 - 777 | CROSS SECTIONS - RAMP DA (SUB-STAGE 2 & STAGE 2) |
| 778 - 782 | CROSS SECTIONS - RAMP DA |
| 783 - 801 | CROSS SECTIONS - US ROUTE 30 (STAGE 3A & STAGE 3B) |
| 802 - 837 | CROSS SECTIONS - US ROUTE 30 |
| 838 - 840 | CROSS SECTIONS - OLD HICKORY ROAD |

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ENGINEERING CONSULTANT

Clorba Group, Inc.
 CONSULTING ENGINEERS
 8007 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60655
 Tel. 773.775.4009 Fax 773.775.4014
 Email: clorba@clorba.com

| | | |
|----------------------------|-----------------------|-----------|
| USER NAME = dwtierzbicki | DESIGNED - \$DES_RDWY | REVISED - |
| | DRAWN - \$DRAWN_RDWY | REVISED - |
| PLOT SCALE = 2.0000' / in. | CHECKED - \$CHK_RDWY | REVISED - |
| PLOT DATE = 6/6/2018 | DATE - 01/20/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
INDEX OF SHEETS

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

| 80 RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 614 |
| CONTRACT NO. 60N87 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

LIST OF STATE STANDARDS

| STD_NO | DESCRIPTION |
|-----------|-------------------------------------------------------------------------------------------------------------------|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-09 | PAVEMENT JOINTS |
| 420101-06 | 24' (7.2 M) JOINTED PCC PAVEMENT |
| 420106-06 | 36' (10.8 M) JOINTED PCC PAVEMENT |
| 420111-04 | PCC PAVEMENT ROUNDOUTS |
| 420206-12 | ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT) |
| 420306-10 | EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT) |
| 420501-07 | PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING |
| 421001-03 | BAR REINFORCEMENT FOR CRC PAVEMENT |
| 421101-10 | 24' (7.2 M) CRC PAVEMENT (WITH WIDE FLANGE BEAM TERMINAL JOINT) |
| 421106-10 | 36' (10.8 M) CRC PAVEMENT (WITH WIDE FLANGE BEAM TERMINAL JOINT) |
| 424006-03 | DIAGONAL CURB RAMPS FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 482006-03 | HMA SHOULDER ADJACENT TO RIGID PAVEMENT |
| 483001-05 | PCC SHOULDER |
| 515001-03 | NAME PLATE FOR BRIDGES |
| 542001-06 | CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER |
| 542206-04 | REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 42" (1050 MM) THRU 60" (1500 MM) DIAMETER SKEWED WITH ROADWAY |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542306-03 | PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION |
| 542311-07 | TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION |
| 542501-02 | INLET BOX TYPE 24 (600) A |
| 542546-01 | FLUSH INLET BOX FOR MEDIAN |
| 601001-05 | PIPE UNDERDRAINS |
| 601101-02 | CONCRETE HEADWALL FOR PIPE UNDERDRAIN |
| 602001-02 | CATCH BASIN, TYPE A |
| 602401-04 | PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER |
| 602406-08 | PRECAST MANHOLE, TYPE A, 6' (1.83 M) DIAMETER |
| 602411-06 | PRECAST MANHOLE, TYPE A, 7' (2.13 M) DIAMETER |
| 602416-06 | PRECAST MANHOLE, TYPE A, 8' (2.44 M) DIAMETER |
| 602601-05 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-04 | FRAME AND LIDS, TYPE 1 |
| 604036-03 | GRATE, TYPE 8 |
| 604051-04 | FRAME AND GRATE, TYPE 11 |
| 604071-05 | FRAME AND GRATE, TYPE 20 |
| 604076-04 | FRAME AND GRATE, TYPE 21 |
| 606001-07 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 606006-04 | OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60) |
| 606301-04 | PC CONCRETE ISLANDS AND MEDIANS |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630301-08 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 631026-06 | TRAFFIC BARRIER TERMINAL, TYPE 5 |
| 631033-07 | TRAFFIC BARRIER TERMINAL, TYPE 6B |
| 635001-02 | DELINEATORS |
| 636001-02 | CABLE ROAD GUARD SINGLE STRAND |

LIST OF STATE STANDARDS

| STD_NO | DESCRIPTION |
|-----------|---------------------------------------------------------------------------------|
| 637006-03 | CONCRETE BARRIER, 42 IN. (1065 MM) HEIGHT |
| 642001-02 | SHOULDER RUMBLE STRIPS, 16 IN. |
| 664001-02 | CHAIN LINK FENCE |
| 667001-01 | DRAINAGE MARKERS |
| 667101-02 | PERMANENT SURVEY MARKERS |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY |
| 701400-09 | APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701401-11 | LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701411-09 | LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH |
| 701427-05 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH |
| 701428-01 | TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY |
| 701446-09 | TWO LANE CLOSURE, FREEWAY/EXPRESSWAY |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-09 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701901-07 | TRAFFIC CONTROL DEVICES |
| 704001-08 | TEMPORARY CONCRETE BARRIER |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS |
| 725001-01 | OBJECT AND TERMINAL MARKERS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS) |
| 731001-01 | BASE FOR TELESCOPING STEEL SIGN SUPPORT |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 781001-04 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 782006 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |
| 814001-03 | HANDHOLES |
| 814006-02 | DOUBLE HANDHOLES |
| 821006 | UNDERPASS LIGHTING SUSPENDED |
| 821101-02 | LUMINAIRE WIRING IN POLE |
| 836001-03 | LIGHT POLE FOUNDATION |
| 836011-01 | LIGHT POLE FOUNDATION WITH 42 IN. (1065 MM) CONCRETE MEDIAN BARRIER |
| 838001-01 | BREAKAWAY DEVICES |
| 857001-01 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
| 857006-01 | SUPERVISED RAILROAD INTERCONNECT CIRCUIT |
| 862001-01 | UNINTERRUPTABLE POWER SUPPLY (UPS) |
| 873001-02 | TRAFFIC SIGNAL GROUNDING & BONDING |
| 877001-07 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 877002-04 | STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75' |
| 878001-10 | CONCRETE FOUNDATION DETAILS |
| 880001-01 | SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |

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ENGINEERING CONSULTANT

 CONSULTING ENGINEERS
 8007 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60655
 Tel. 773.775.4009 Fax 773.775.4014
 Email: chicago@clorba.com

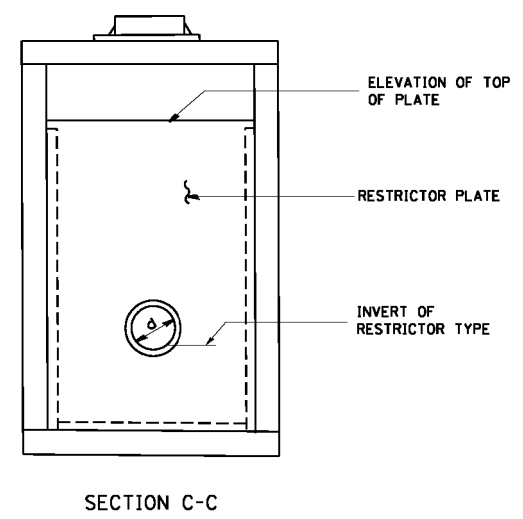
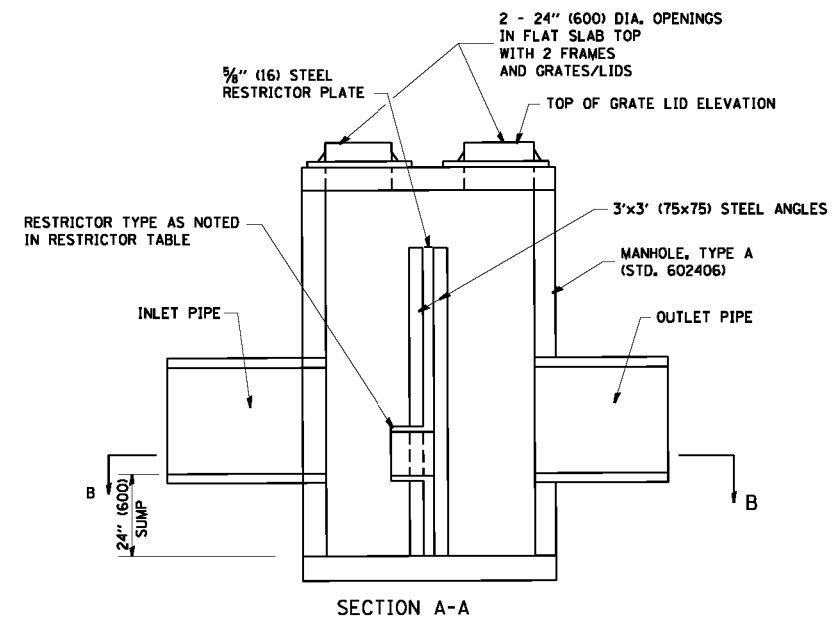
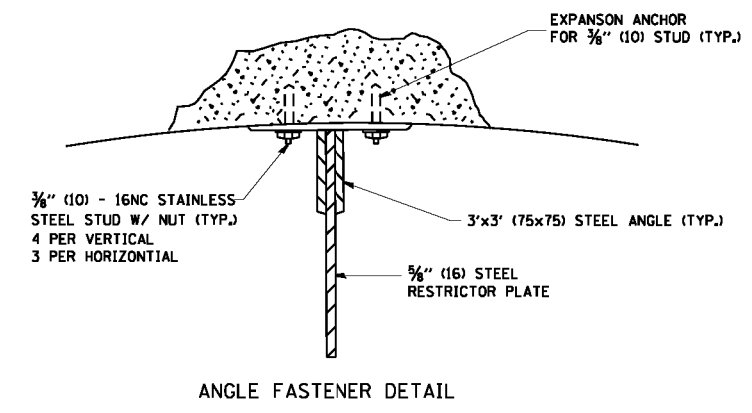
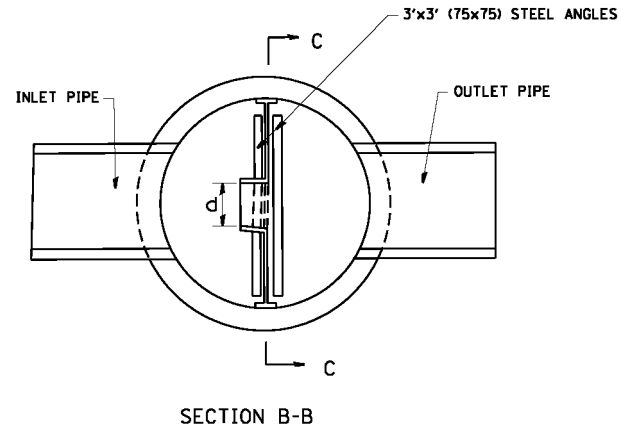
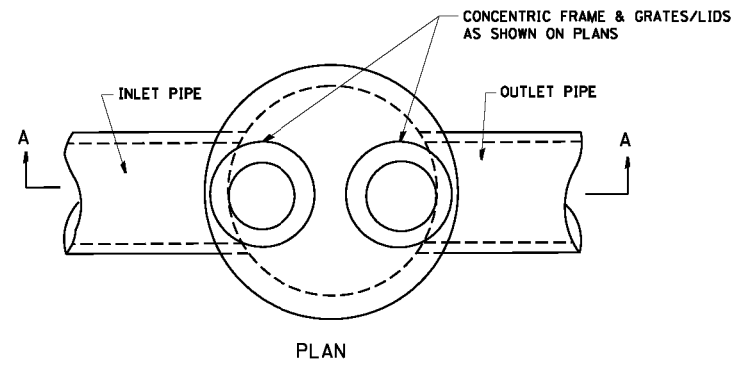
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

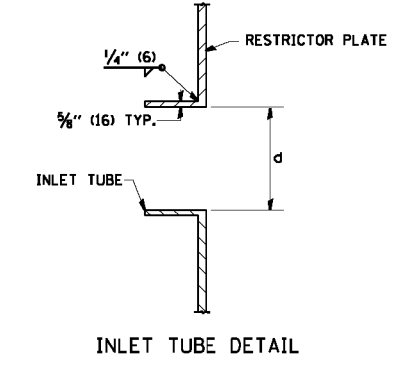
F.A.I. 80 / US 30 INTERCHANGE
INDEX OF SHEETS AND STATE STANDARDS

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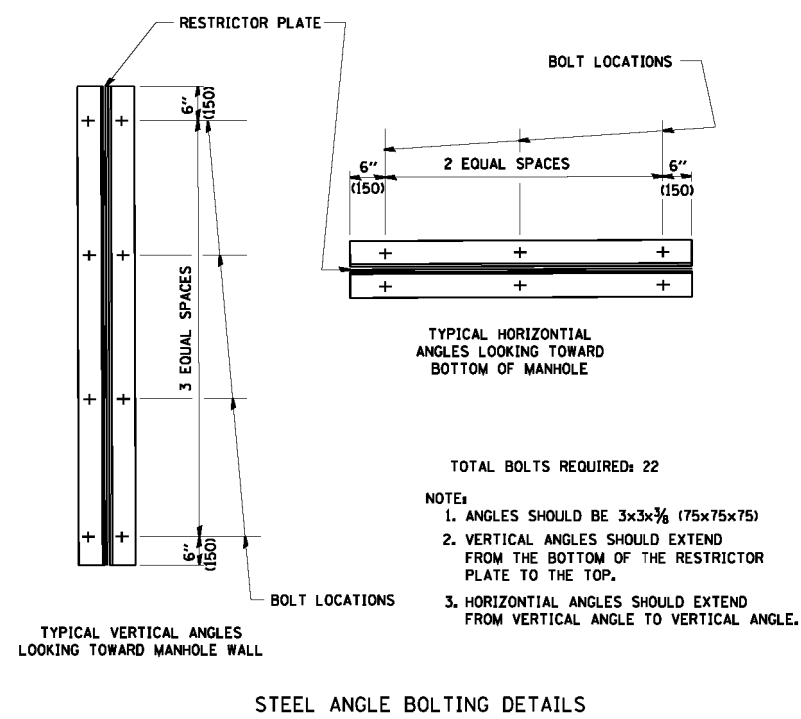
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| 80 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 615 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



| STATION | MANHOLE DIAMETER | FRAME AND GRATE | RESTRICTOR TYPE | INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d) | INVERT OF RESTRICTOR TYPE | ELEVATION OF TOP OF PLATE OVERFLOW |
|---------|------------------|-----------------|-----------------|----------------------------------------------|---------------------------|------------------------------------|
| | | | | | | |
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| RESTRICTOR TYPE | | | | | |
|-----------------------|-------------|---------------------|--------------------|--------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RE-ENTRANT TUBE | SHARP EDGED | SQUARE EDGED | RE-ENTRANT TUBE | SQUARE EDGED | ROUNDED |
| | | | | | |
| LENGTH: 1/2 TO 1 DIA. | | STREAM CLEARS SIDES | LENGTH: 2-1/2 DIA. | LENGTH: 2-1/2 DIA. | |
| C=.52 | C=.61 | C=.61 | C=.73 | C=.82 | C=.98 |

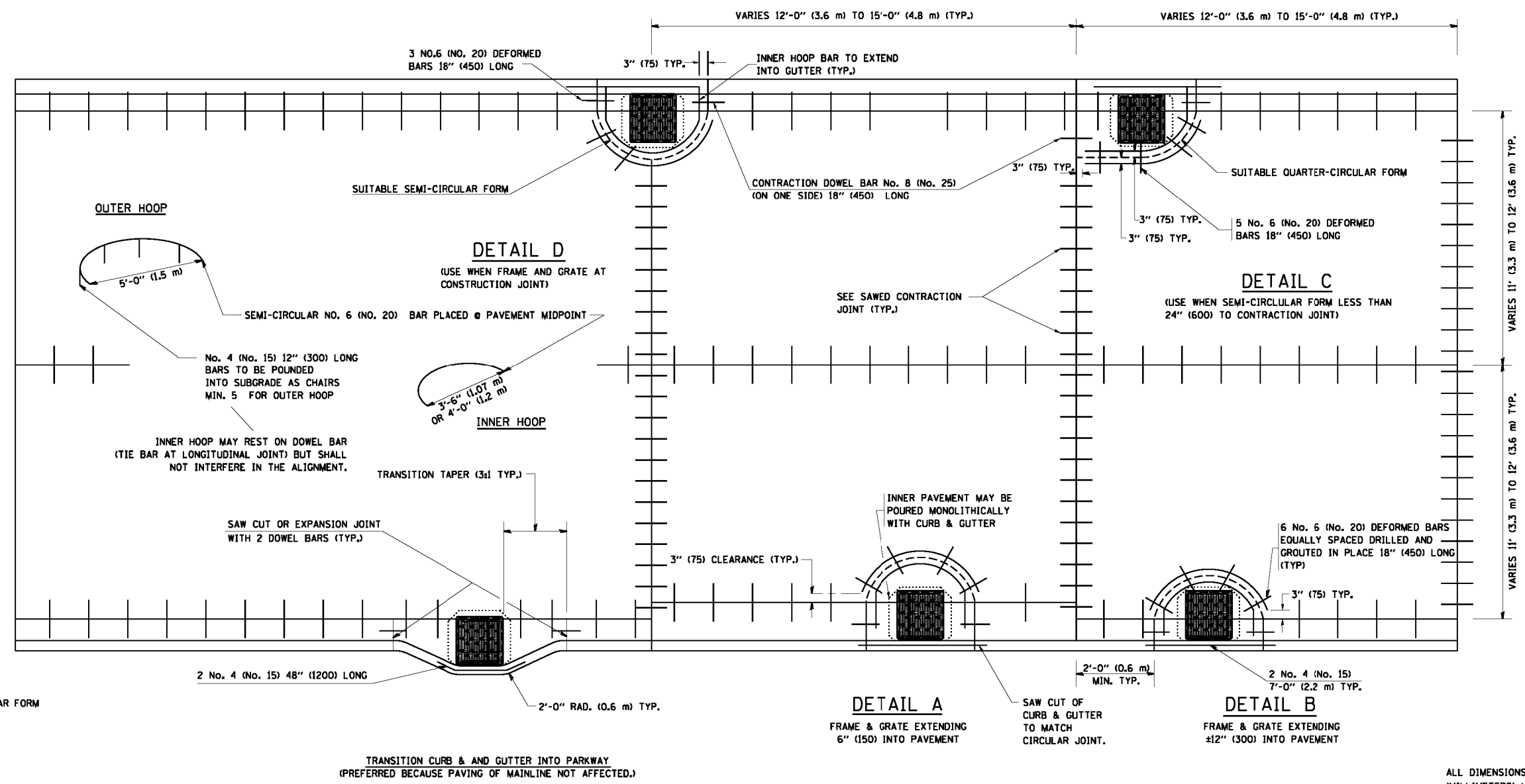
VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

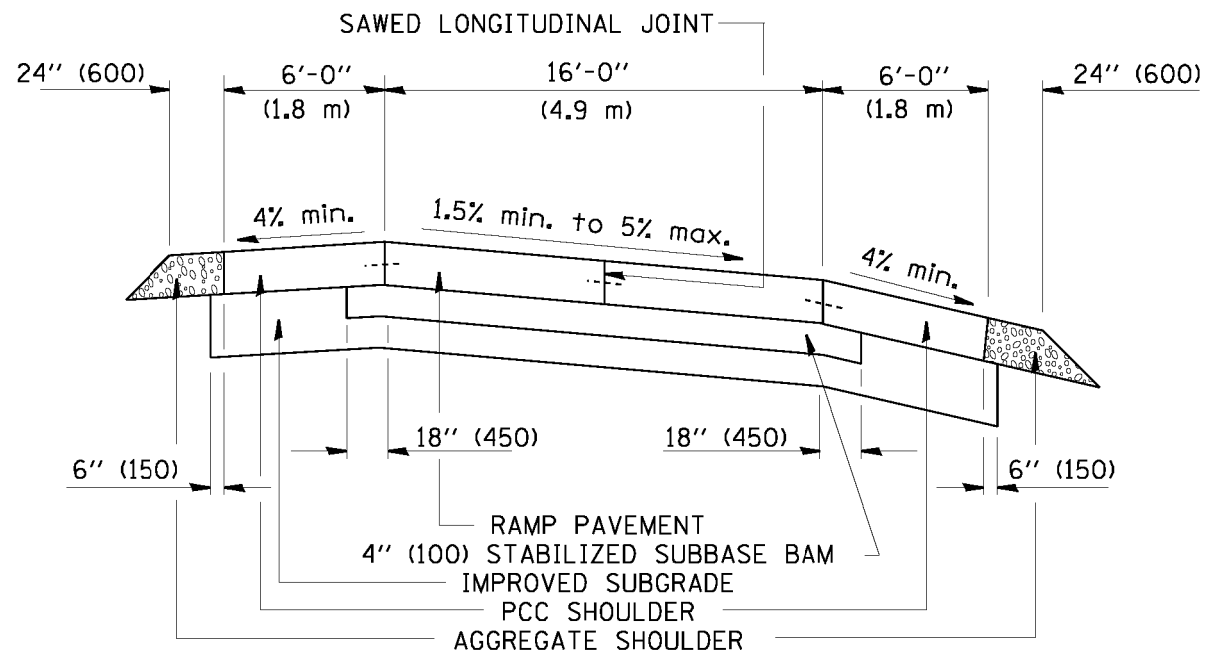
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| FRAME EXTENSION INTO PAVEMENT | INNER HOOP REINFORCEMENT DIAMETER | SEMI CIRCULAR FORM DIAMETER | OUTER HOOP REINFORCEMENT DIAMETER |
|-------------------------------|-----------------------------------|-----------------------------|-----------------------------------|
| UP TO 8" (200) | 3'-6" (1.1 m) | 4'-0" (1.2 m) | 5'-0" (1.5 m) |
| > 8" (200) TO 14" (360) | 4'-0" (1.2 m) | 4'-6" (1.4 m) | 5'-0" (1.5 m) |

DESIGNER NOTE:
THIS DETAIL IS TO BE USED
WHEN THE GUTTER FLAG IS
LESS THAN 24"

- NOTES:**
1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
 2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
 3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
 4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
 5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
 6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
 7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
 8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
 9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

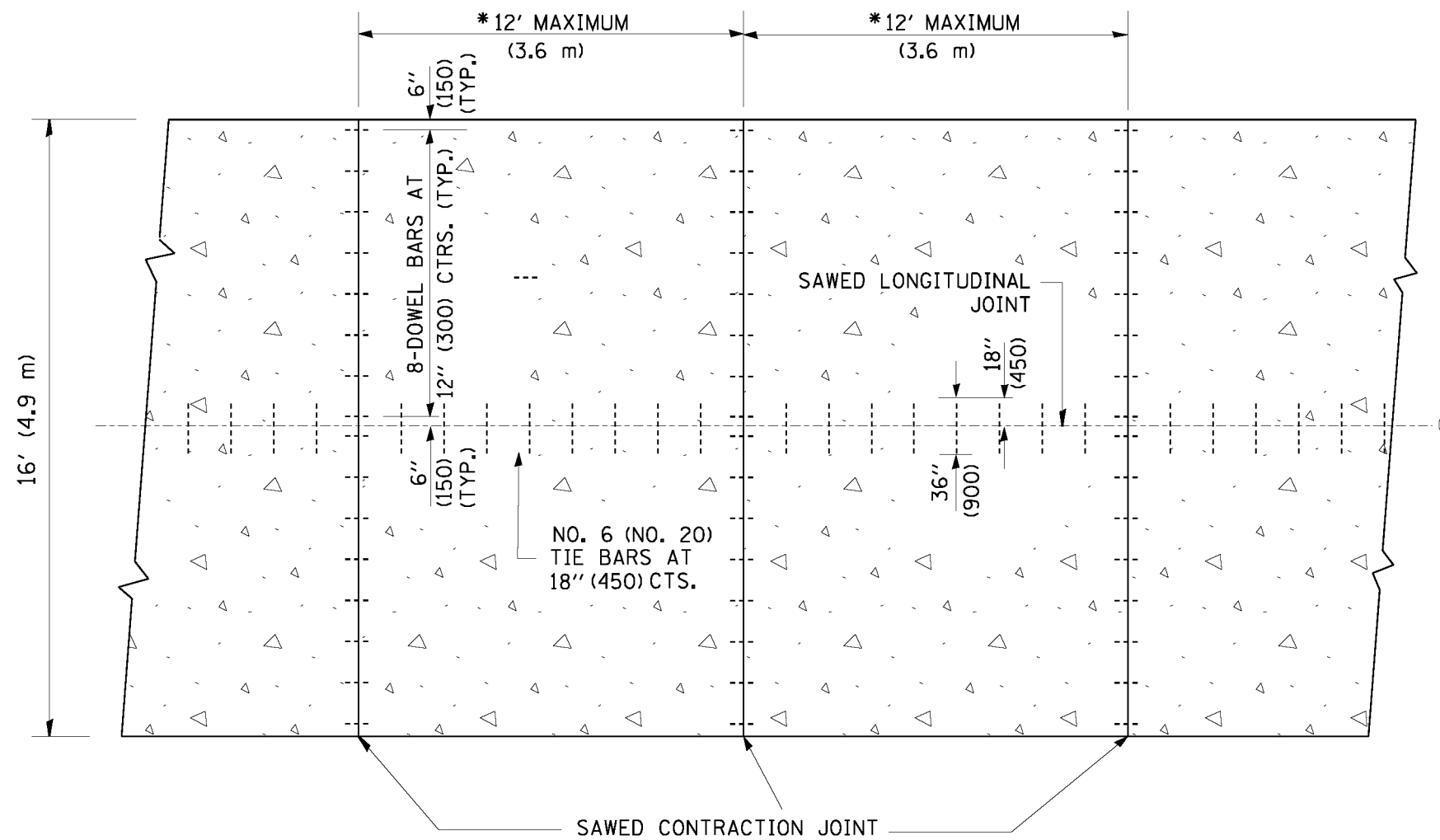




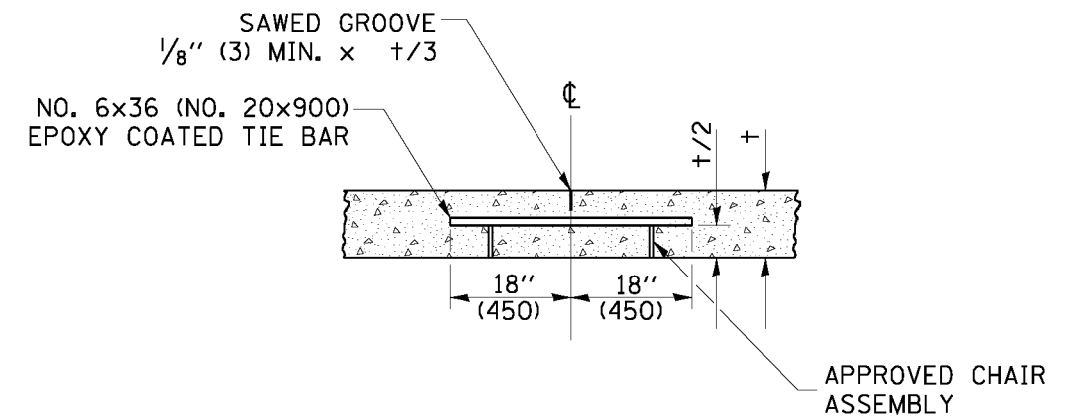
SECTION

NOTES:

1. CENTERLINE JOINT REMAINS IN THE CENTER WHEN RAMP TRANSITIONS TO TWO (2) RAMPS AT 12' (3.6 m).
2. ALL BARS TO BE EPOXY COATED.



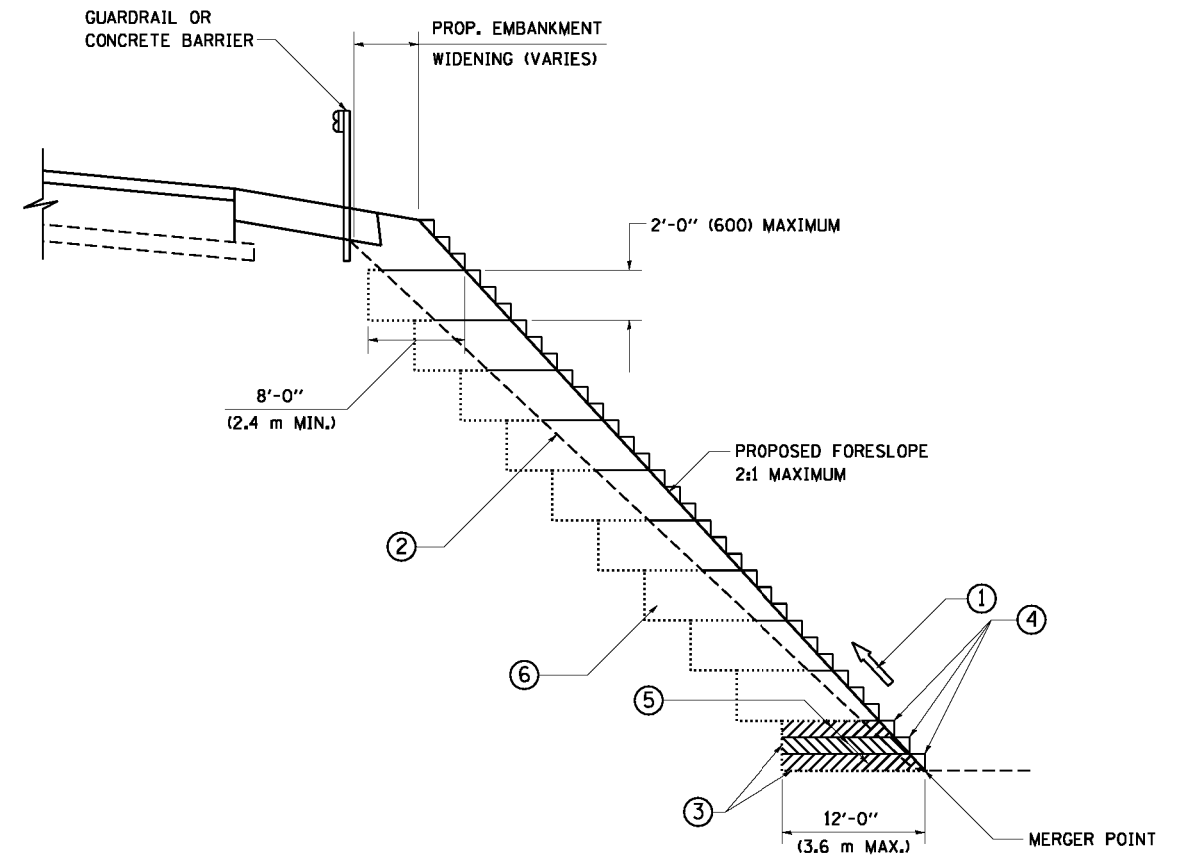
PLAN



SAWED LONGITUDINAL JOINT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

| | | | | | | | | | | | |
|------------------------------------------|-----------------------------|----------------------|-----------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------|-----------|--------------------|--------|--------------|-----------|
| FILE NAME = W:\distata\22x34\bd49.dgn | USER NAME = gaglianobt | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAIL FOR CENTERLINE SAW CUT 16' (4.9 m) AND VARIABLE JOINTED PCC PAVEMENT FOR RAMPS | | FALL RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLDT SCALE = 50.0000' / IN. | DRAWN - TOM MATOUSEK | REVISED - | | | | 80 | 99-4-1VB-1-R | WILL | 840 | 618 |
| PLDT DATE = 1/4/2008 | CHECKED - A. ABBAS | REVISED - | REVISED - | SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. | | BD49 | | CONTRACT NO. 60N87 | | | |
| | DATE - 10-18-02 | REVISED - | REVISED - | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

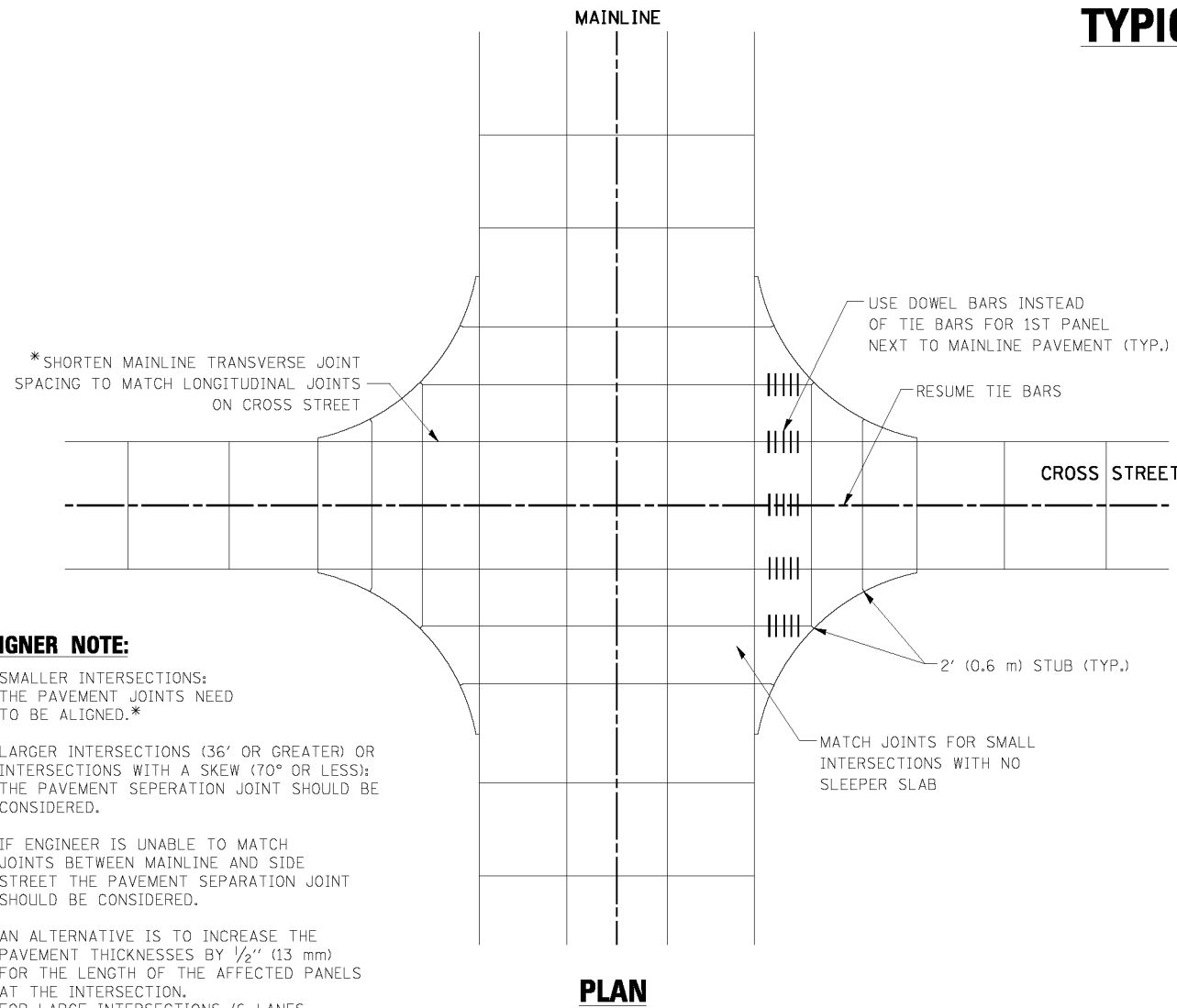
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

| | | | | | | | | | | | | | | |
|------------------------------------------|-----------------------------|------------------|-----------|-----------------------------------------------------------|----------------------------------------------------|-------------|------|--------------|---------|---------|-----------------|--------------|-------------------------------------------------|-----|
| FILE NAME = W:\diststd\22x34\bd51.dgn | USER NAME = gaglianobt | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BENCHING DETAIL FOR EMBANKMENT WIDENING | | | FALL RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| | PLDT SCALE = 50.0000' / IN. | CHECKED - S.E.B. | REVISED - | | SCALE: NONE | SHEET NO. 1 | OF 1 | SHEETS | STA. | TO STA. | 80 | 99-4-1VB-1-R | WILL | 840 |
| PLDT DATE = 1/4/2008 | DATE - 06-16-04 | REVISED - | REVISED - | | | | | | | | | | | |
| | | | | | | | | | | | BD-51 | | CONTRACT NO. 60N87 | |
| | | | | | | | | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

TYPICAL APPLICATION

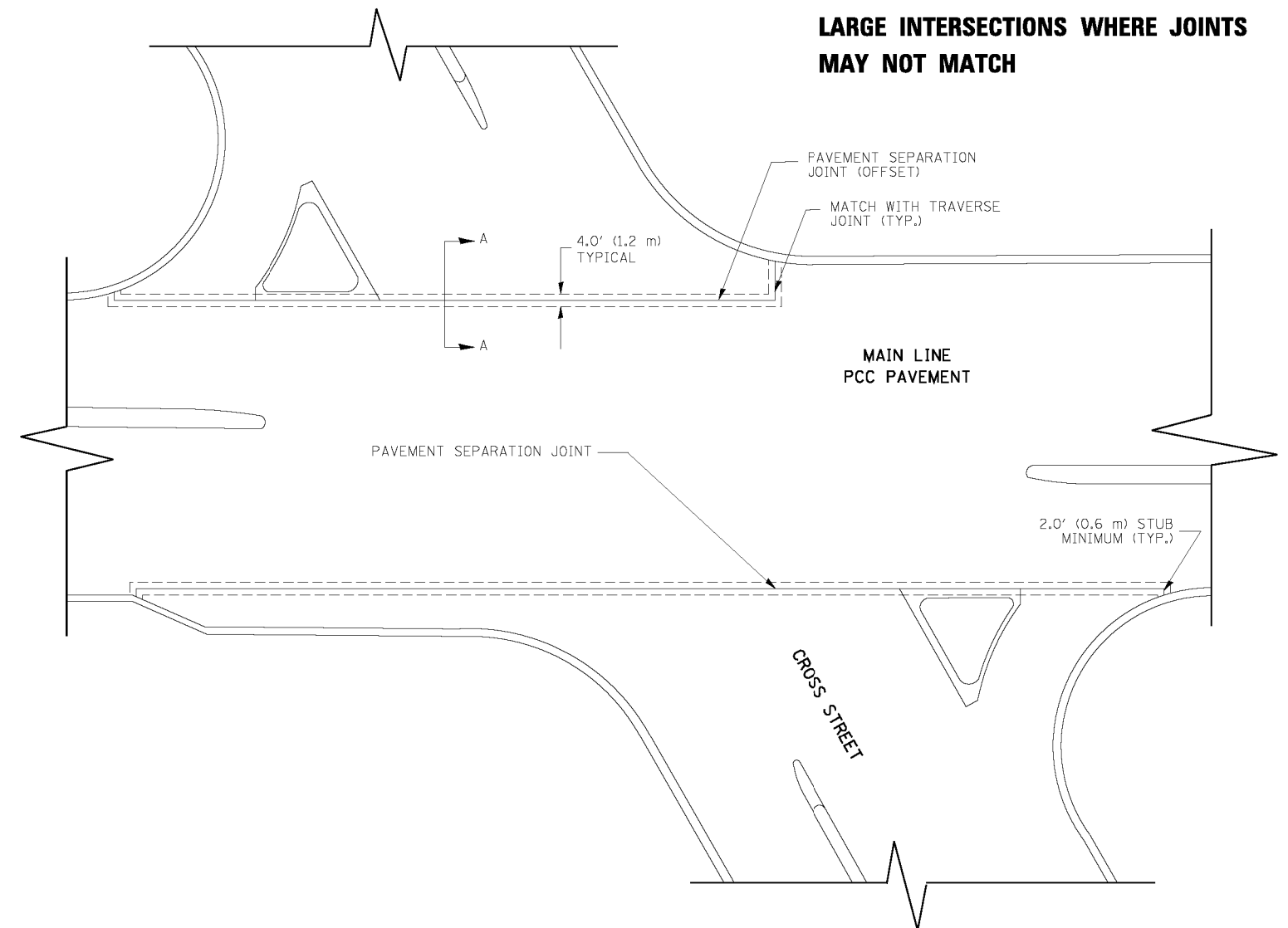
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



PLAN

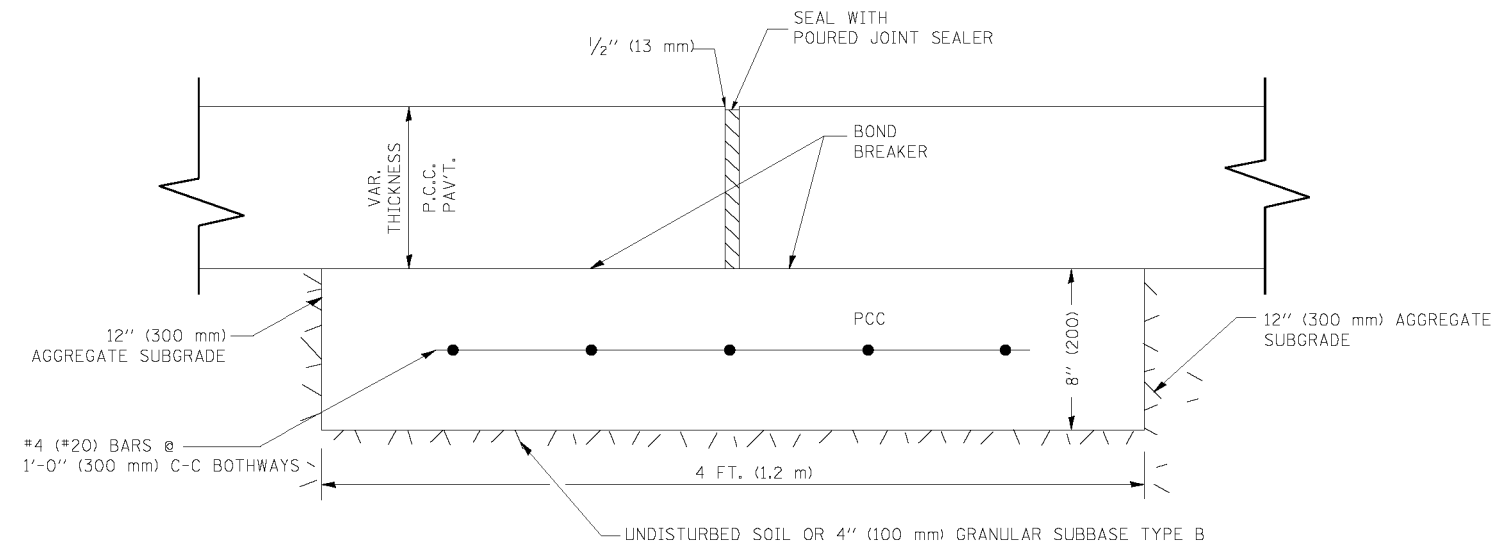
DESIGNER NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS); THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPERATION JOINTS USED.



NOTE:

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPERATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



PROPOSED SECTION A-A

| | | | | | | | | | | | | |
|-----------------------------|-------------------|-----------------------|--------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------|--------------|------------------|-------------------------|--------------------|------------------------|---------------------|
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| PLOT SCALE = 49.9999' / IN. | | CHECKED - | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | BD52 | | CONTRACT NO. 60N87 | | |
| PLOT DATE = 2/25/2011 | | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | |

SCHEDULE OF LANDSCAPE ITEMS

| ITEM | SIZE | UNIT | TOTAL | SHEET NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|------|-------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | | | |
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PLDT DATE = 1/4/2008

DESIGNED -
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CHECKED -
DATE -

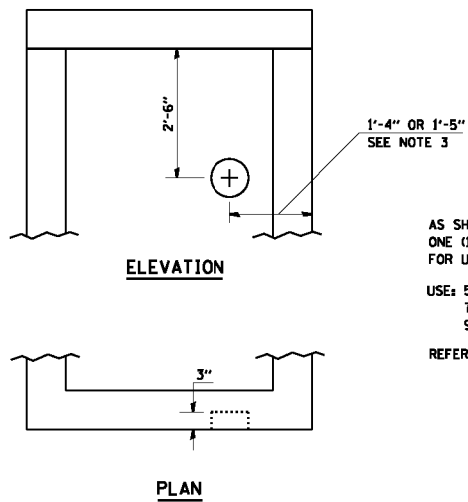
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REVISED - R. WANNER 09-26-07
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF LANDSCAPING ITEMS

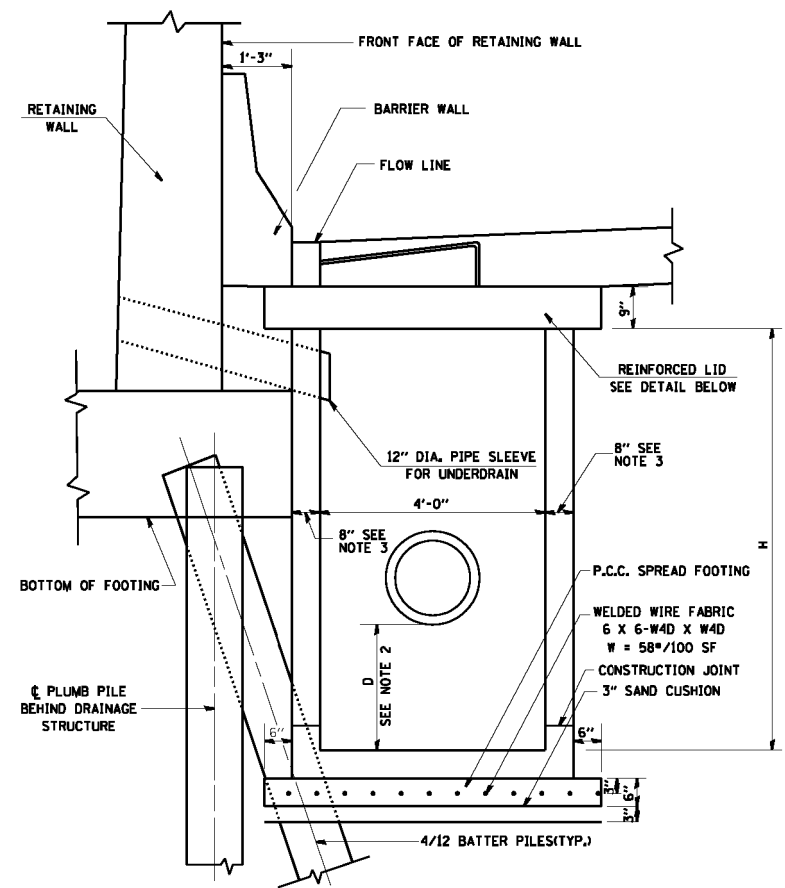
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| F.A.L. RTE. 80 | SECTION 99-4-1VB-1-R | COUNTY WILL | TOTAL SHEETS 840 | SHEET NO. 621 |
| BM-15 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

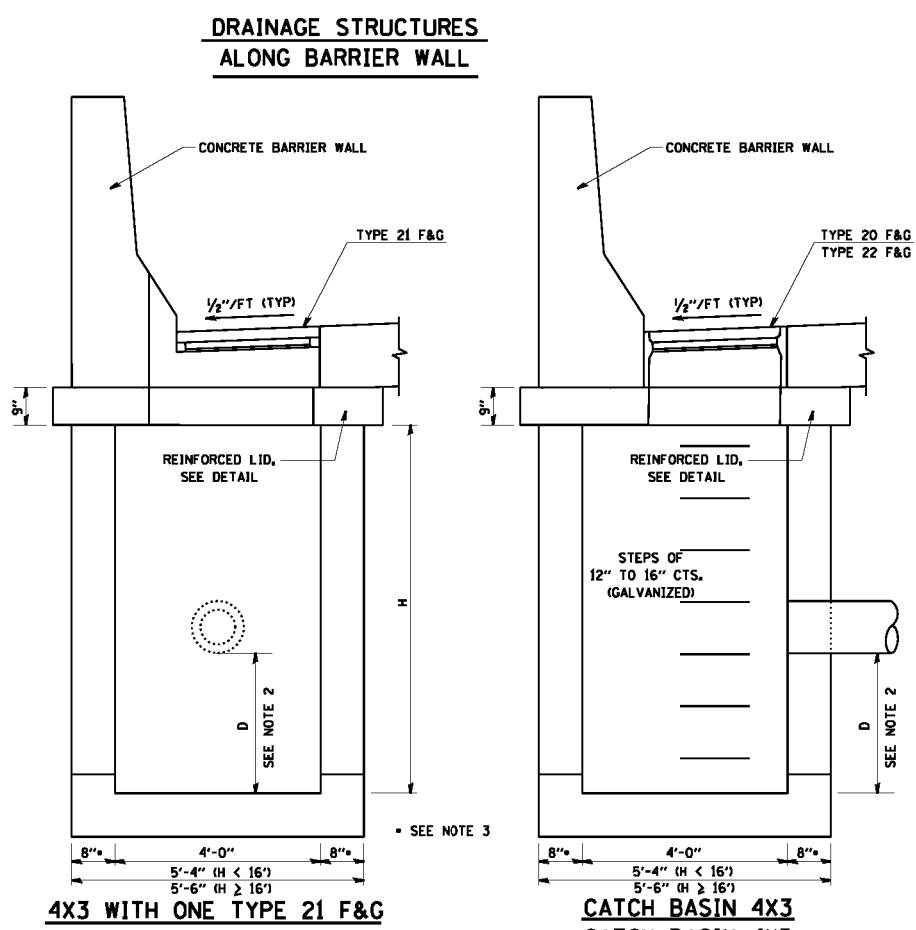


PIPE UNDERDRAIN CONNECTION DETAIL

AS SHOWN PROVIDE ON EACH FACE ONE (1) 3" DEEP DEPRESSION FOR USE AS UNDERDRAIN CONNECTIONS.
 USE: 5" DIAMETER FOR 4" P.U.
 7" DIAMETER FOR 6" P.U.
 9" DIAMETER FOR 8" P.U.
 REFER TO PLANS FOR SIZE & LOCATION OF UNDERDRAIN



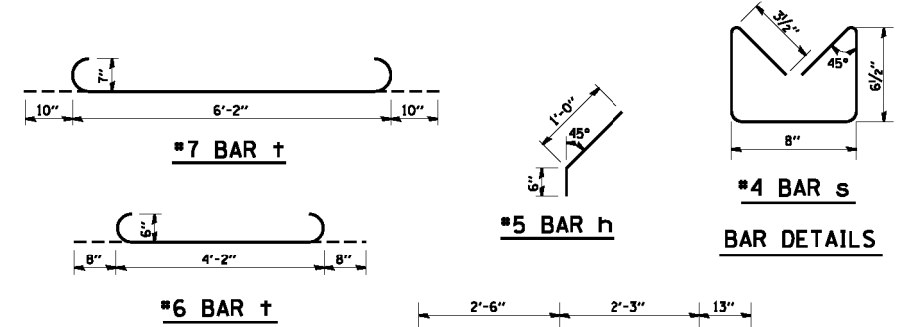
CATCH BASIN ALONG RETAINING WALLS



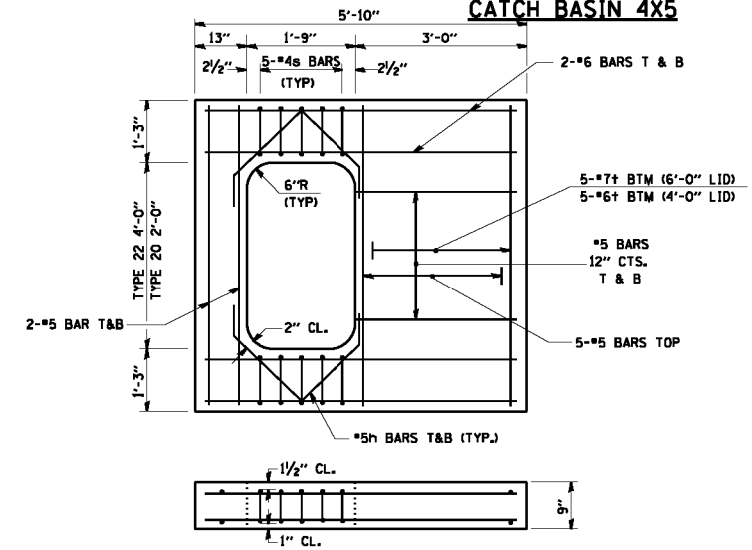
4x3 WITH ONE TYPE 21 F&G CATCH BASIN 4x3 CATCH BASIN 4x5

| REINFORCEMENT BAR SCHEDULE | | | | | | | |
|----------------------------|----------|---------|------------|------------|------------|------------|-----------|
| | | H | 8FT-10FT | 10FT-12FT | 12FT-14FT | 14FT-18FT | 18FT-22FT |
| HORIZONTAL BARS IN WALLS | BAR SIZE | #5 | #5 | #6 | #6 | #6 | |
| | SPACING | 12" CTS | 12" CTS | 12" CTS | 12" CTS | 12" CTS | |
| VERTICAL BARS IN WALLS | BAR SIZE | #5 | #5 | #5 | #5 | #5 | |
| | SPACING | 12" CTS | 12" CTS | 12" CTS | 12" CTS | 12" CTS | |
| BARS IN BASE SLAB | BAR SIZE | #5 | #5 | #5 | #5 | #5 | |
| | SPACING | 12" CTS | 12" CTS | 12" CTS | 12" CTS | 12" CTS | |
| H | | <10 FT | >10FT<12FT | >12FT<14FT | >14FT<18FT | >18FT<22FT | |

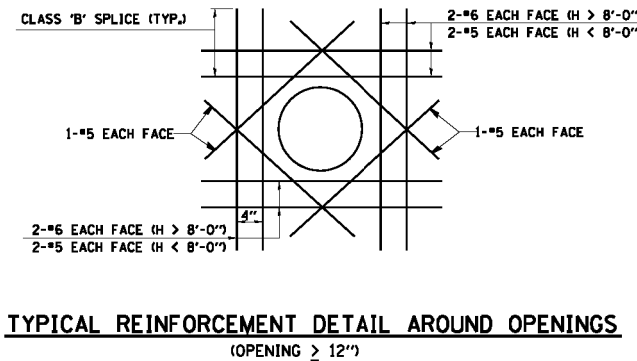
NOTE: PLACE REINFORCEMENT PER STANDARD 2384



BAR DETAILS

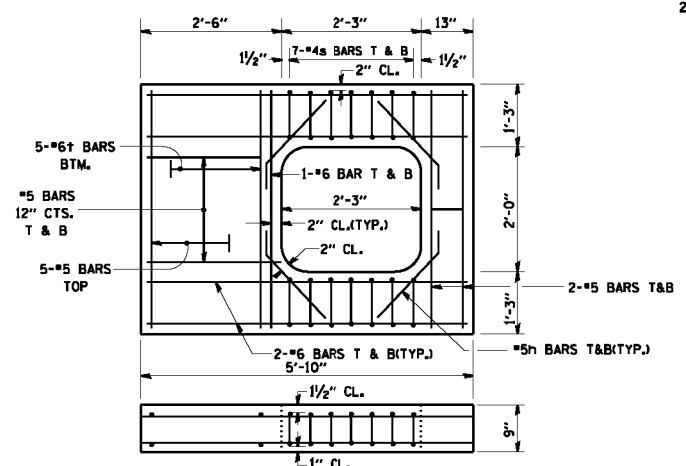


REINFORCED LID FOR TYPE 20 AND 22 F&G



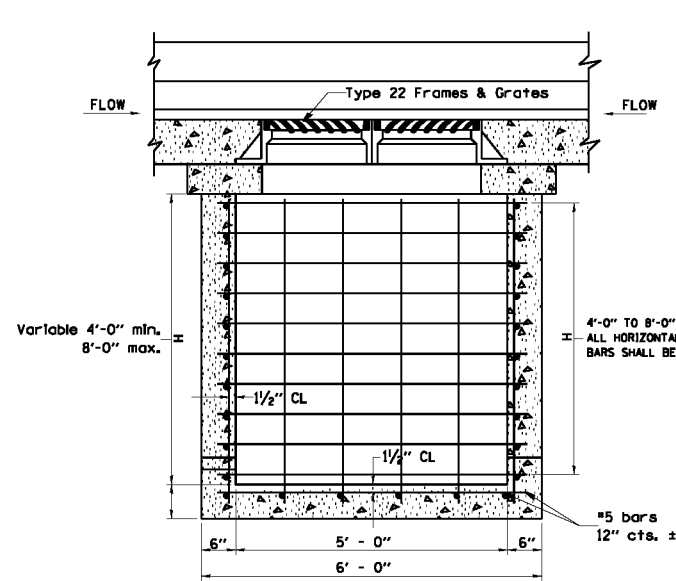
TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS (OPENING > 12")

WHERE CLASS 'B' SPLICE LENGTH ANCHORAGE IS NOT POSSIBLE, BARS SHOULD BE HOOKED.

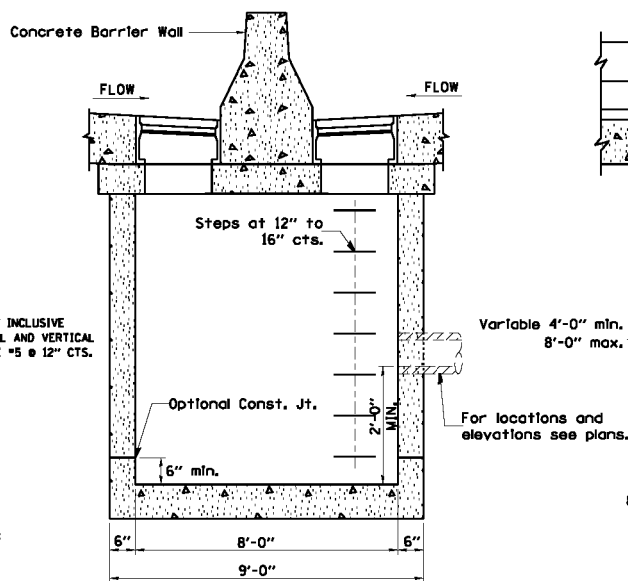


REINFORCED LID FOR TYPE 21 F&G

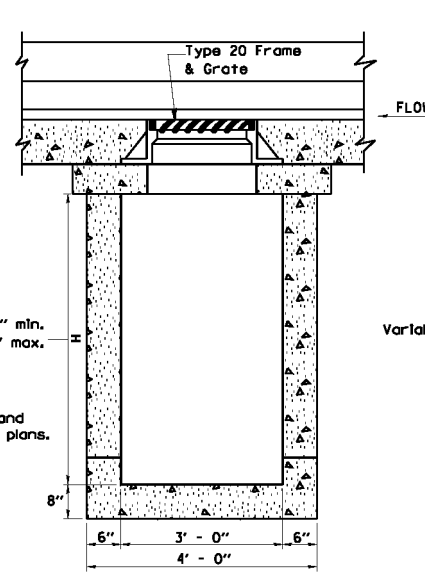
- NOTES:
- DRAINAGE STRUCTURE SHALL CONFORM TO I.D.O.T. STANDARD 2384 EXCEPT AS NOTED.
 - D = 0' FOR INLETS
D = 3' FOR C.B.'S
 - WHEN H ≥ 16'-0", THICKNESS OF WALL AND BASE SLAB SHALL BE INCREASED TO 9".
 - SAND CUSHION SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 703.01 (FA1 OR FA2).
 - THE FOOTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE DRAINAGE STRUCTURE.



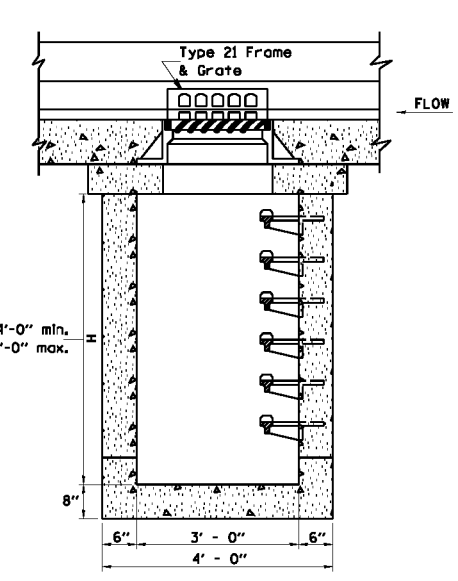
FRONT ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x5)
TYPE 22 FRAME AND GRATE



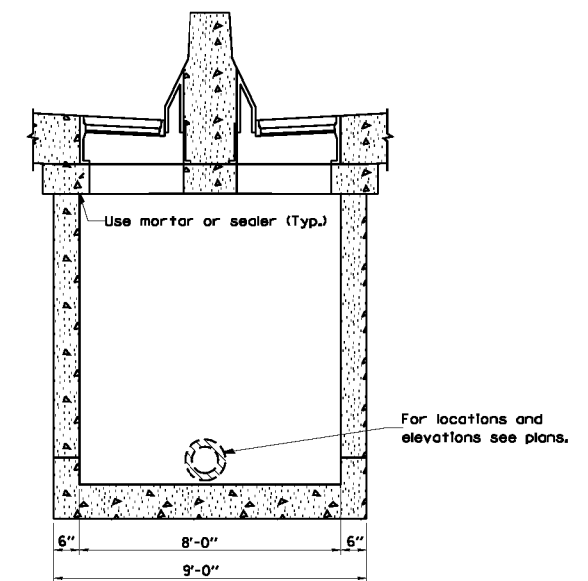
SIDE ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3 & 8x5)
TYPE 20 & 22 FRAME AND GRATE



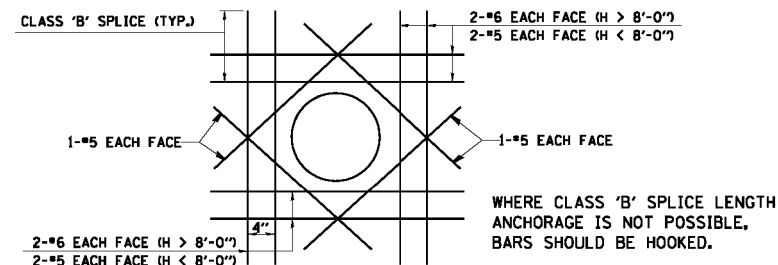
FRONT ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3)
TYPE 20 FRAME AND GRATE



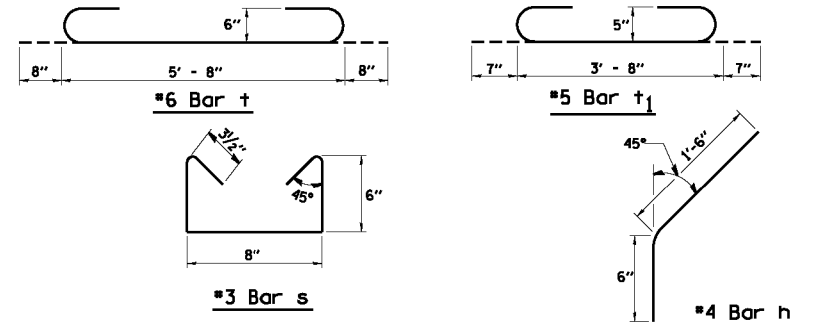
FRONT ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3)
TYPE 21 FRAME AND GRATE



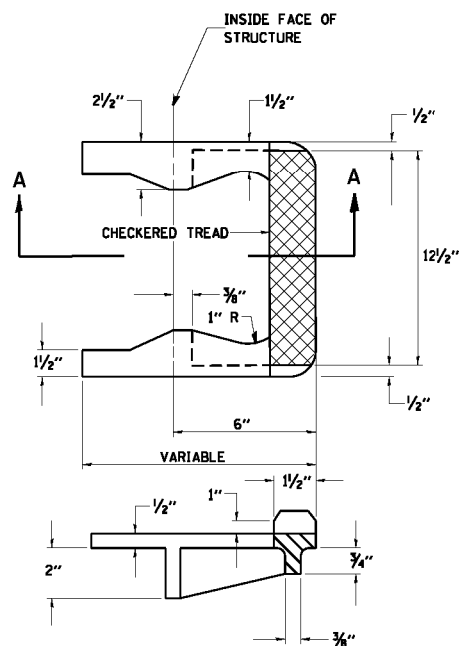
SIDE ELEVATION
(DRAINAGE STRUCTURE, TYPE 8x3)



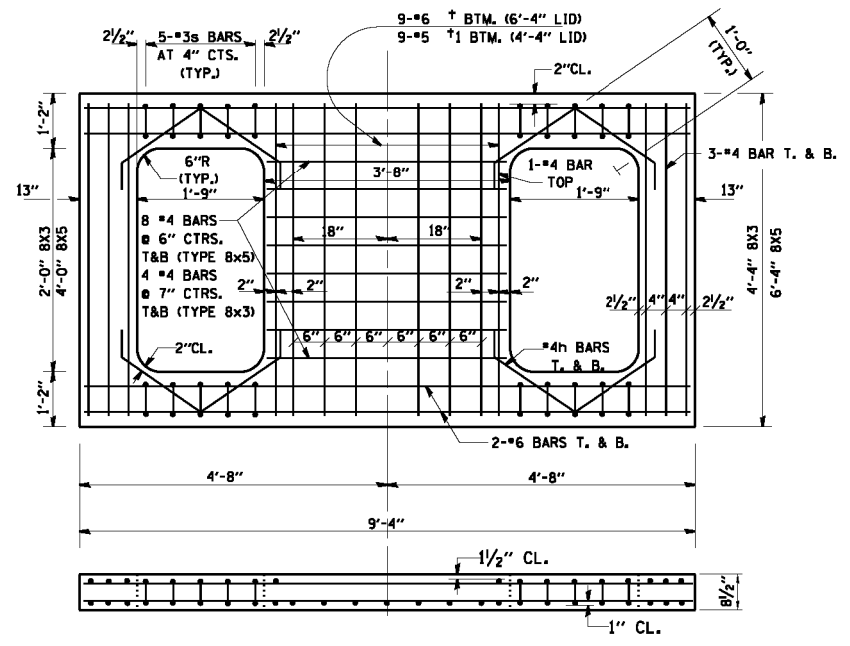
TYPICAL REINFORCEMENT DETAIL AROUND OPENINGS
(OPENING > 12")



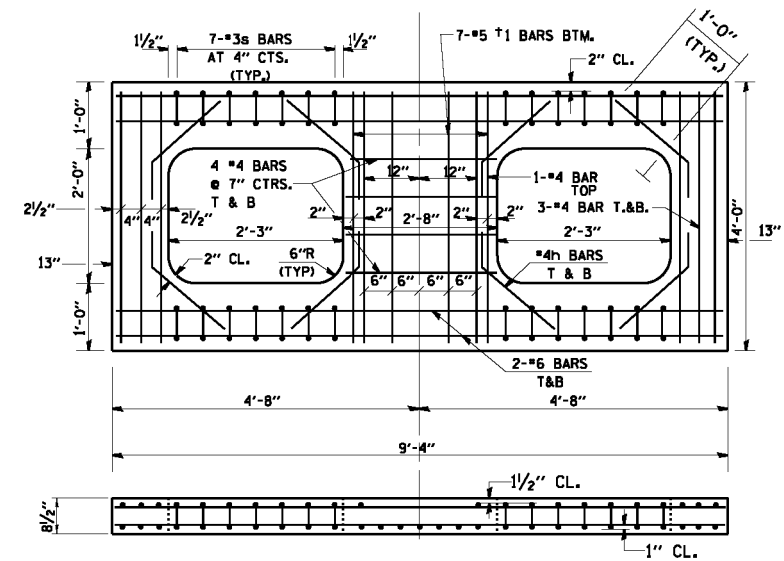
BAR DETAILS



SECTION A-A
CAST IRON STEPS



REINFORCED LID FOR
DRAINAGE STRUCTURES, TYPE 8x3 & 8x5
TYPE 20 & 22 FRAME AND GRATE



REINFORCED LID FOR
DRAINAGE STRUCTURE, TYPE 8x3
TYPE 21 FRAME & GRATE
(FOR USE IN SAG AREAS)

FILE NAME = W:\distatd\22x34\es09.dgn

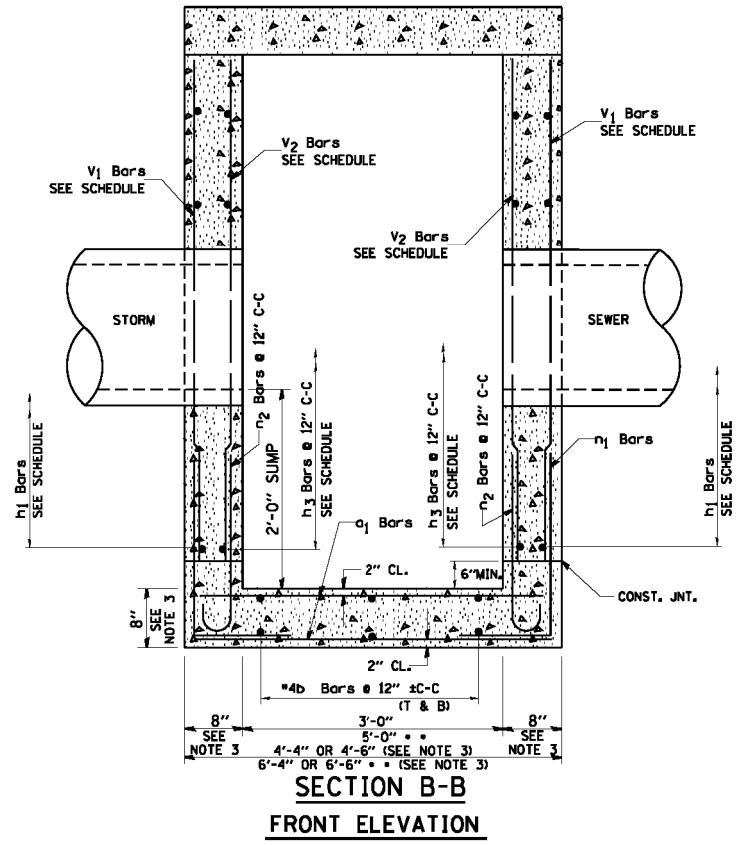
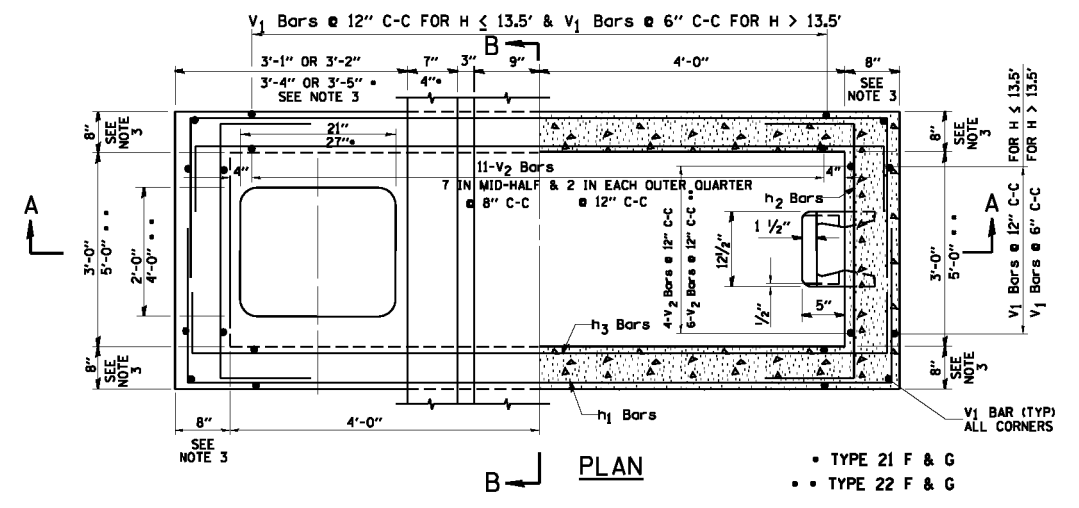
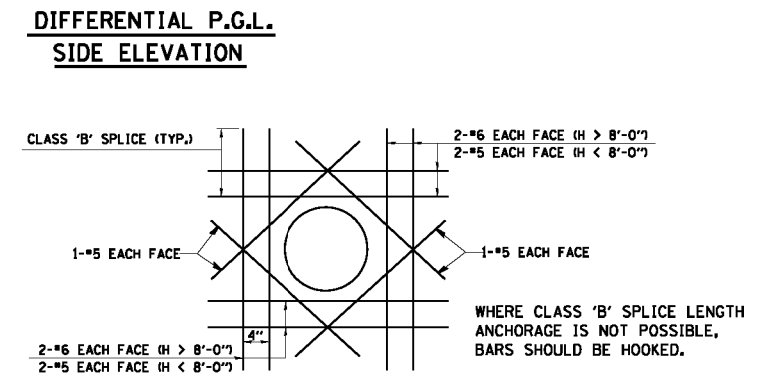
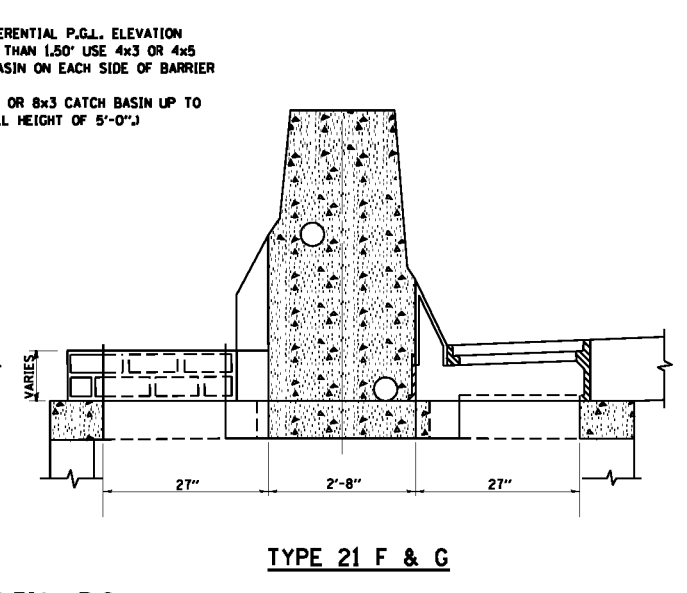
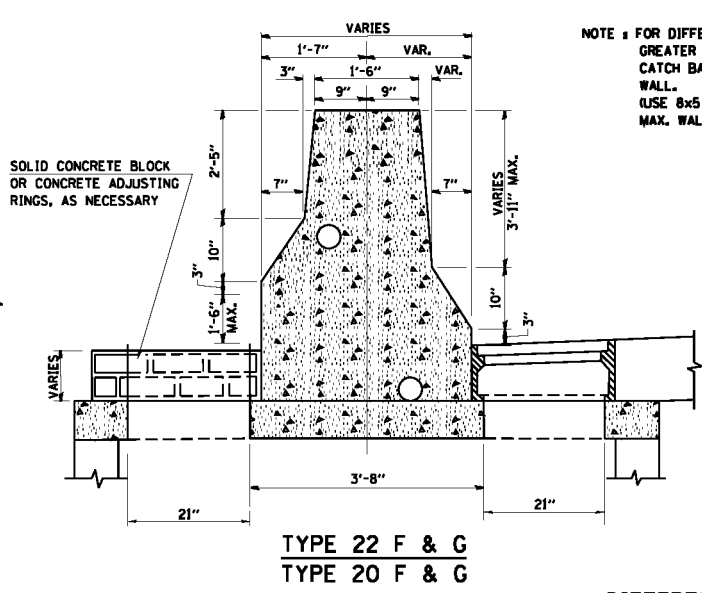
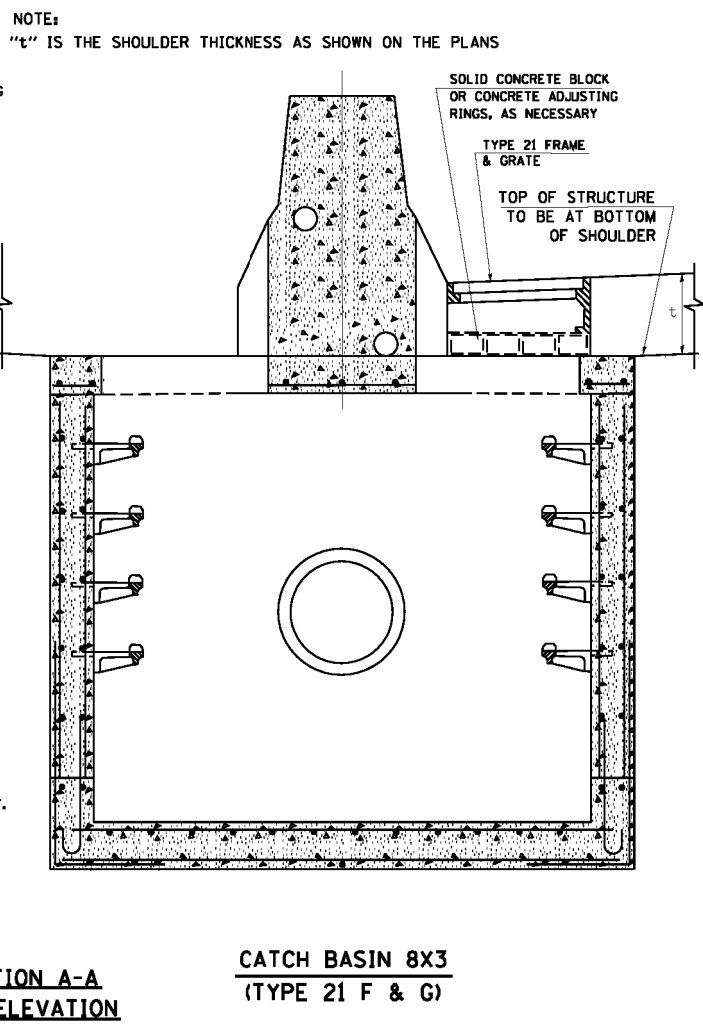
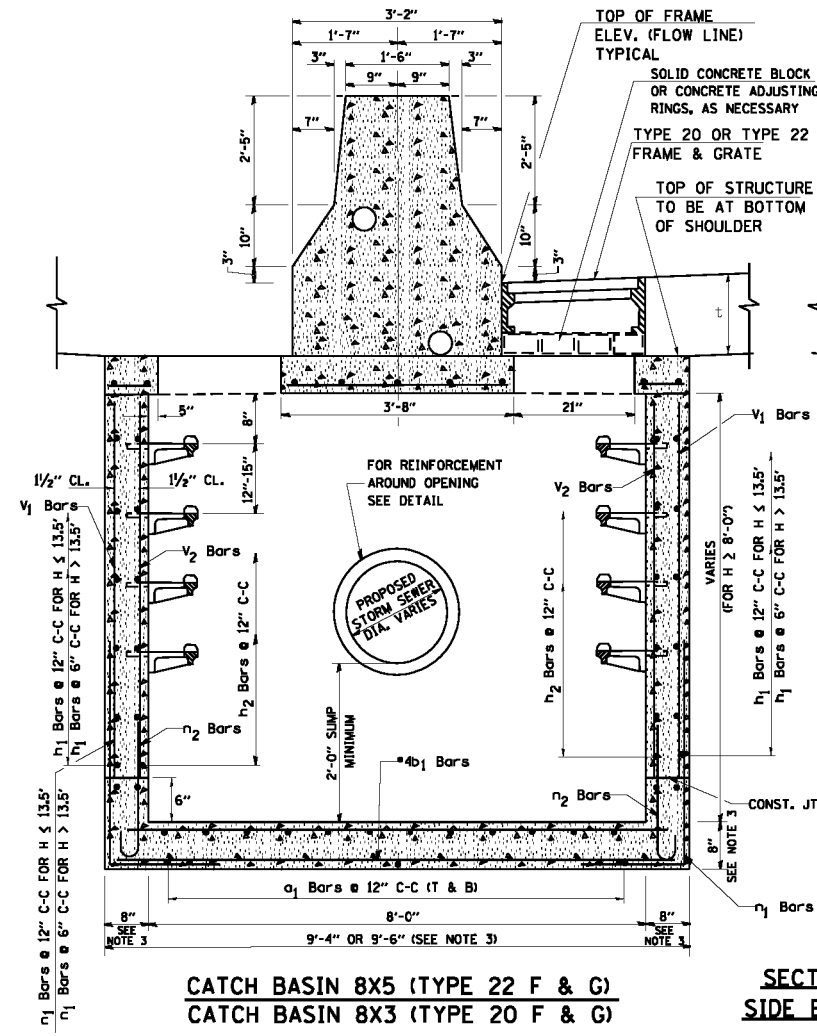
USER NAME = gaglianobt
PLDT SCALE = 50.0000 / IN.
PLDT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -
REVISED - 08-01-03
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURES
TYPES 8x3 & 8x5 FOR H ≤ 8'-0"
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|---------------------------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 624 |
| CS-09 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

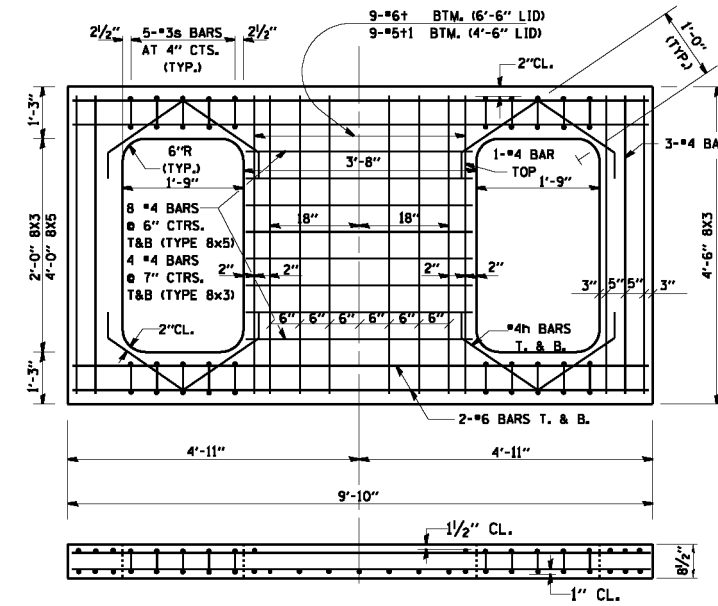


- NOTES :**
1. DRAINAGE STRUCTURES SHALL CONFORM TO I.D.O.T. STANDARD 2384 EXCEPT AS NOTED.
 2. STEPS SHALL BE INCLUDED IN ALL STRUCTURES.
 3. WHEN H > 16'-0", THE THICKNESS OF WALLS AND BASE SLAB SHALL BE INCREASED TO 9".
 4. ALL STORM SEWER OPENINGS WILL BE CENTERED ON FACE OF WALL THAT PIPE IS ENTERING.
 5. FOR LOCATIONS AND ELEVATIONS FOR ALL STORM SEWER CONNECTIONS REFER TO PLAN SCHEDULES.
 6. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE SHOP DRAWINGS FOR PIPE OPENINGS FOR PIPES ENTERING AT OTHER THAN 90°. FOR BASIS OF PAYMENT REFER TO SPECIAL PROVISIONS.

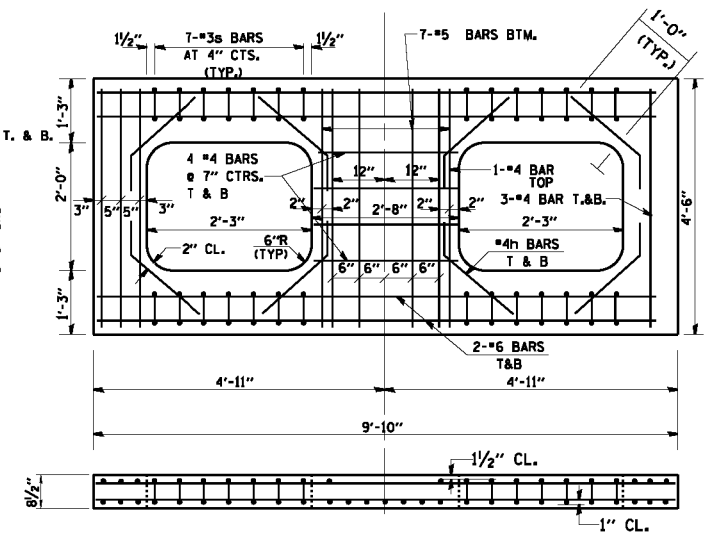
DRAINAGE STRUCTURE TYPE 8x3

REINFORCEMENT BARS SCHEDULE

| TYPE | H IN. FT. | a ₁ BARS | | | b ₁ BARS | | | h ₁ BARS | | | h ₂ BARS | | | h ₃ BARS | | | n ₁ BARS | | | n ₂ BARS | | | v ₁ BARS | | | v ₂ BARS | | |
|------|--------------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|
| | | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH |
| 1 | >8.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 16 | 14'-6" | #5 | 16 | 6'-0" | #5 | 16 | 11'-0" | #5 | 30 | 5'-0" | #4 | 30 | 3'-7" | #5 | 30 | 7'-3" | #4 | 30 | 7'-3" |
| 2 | 8.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 18 | 14'-6" | #5 | 18 | 6'-0" | #5 | 18 | 11'-0" | #5 | 30 | 5'-0" | #4 | 30 | 3'-7" | #5 | 30 | 7'-9" | #4 | 30 | 7'-9" |
| 3 | 9.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 18 | 14'-6" | #5 | 18 | 6'-0" | #5 | 18 | 11'-0" | #5 | 30 | 5'-0" | #4 | 30 | 3'-7" | #5 | 30 | 8'-3" | #4 | 30 | 8'-3" |
| 4 | 9.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 20 | 14'-6" | #5 | 20 | 6'-0" | #5 | 20 | 11'-0" | #5 | 30 | 5'-0" | #4 | 30 | 3'-7" | #5 | 30 | 8'-9" | #4 | 30 | 8'-9" |
| 5 | 10.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 20 | 14'-6" | #5 | 20 | 6'-0" | #5 | 20 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 9'-3" | #4 | 30 | 9'-3" |
| 6 | 10.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 22 | 14'-6" | #5 | 22 | 6'-0" | #5 | 22 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 9'-9" | #4 | 30 | 9'-9" |
| 7 | 11.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 22 | 14'-6" | #5 | 22 | 6'-0" | #5 | 22 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 10'-3" | #4 | 30 | 10'-3" |
| 8 | 11.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 24 | 14'-6" | #5 | 24 | 6'-0" | #5 | 24 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 10'-9" | #4 | 30 | 10'-9" |
| 9 | 12.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 24 | 14'-6" | #5 | 24 | 6'-0" | #5 | 24 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 11'-3" | #4 | 30 | 11'-3" |
| 10 | 12.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 26 | 14'-6" | #5 | 26 | 6'-0" | #5 | 26 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 11'-9" | #4 | 30 | 11'-9" |
| 11 | 13.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 26 | 14'-6" | #5 | 26 | 6'-0" | #5 | 26 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 12'-3" | #4 | 30 | 12'-3" |
| 12 | 13.5 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 28 | 14'-6" | #5 | 28 | 6'-0" | #5 | 28 | 11'-0" | #6 | 30 | 5'-0" | #4 | 30 | 3'-7" | #6 | 30 | 12'-9" | #4 | 30 | 12'-9" |
| 13 | 14.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 56 | 14'-6" | #6 | 28 | 6'-0" | #6 | 28 | 11'-0" | #6 | 48 | 5'-0" | #5 | 30 | 3'-7" | #6 | 48 | 13'-3" | #5 | 30 | 13'-3" |
| 14 | 16.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 64 | 14'-6" | #6 | 32 | 6'-0" | #6 | 32 | 11'-0" | #6 | 48 | 5'-0" | #5 | 30 | 3'-7" | #6 | 48 | 15'-3" | #5 | 30 | 15'-3" |
| 15 | 18.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 72 | 14'-6" | #6 | 36 | 6'-0" | #6 | 36 | 11'-0" | #6 | 48 | 5'-0" | #5 | 30 | 3'-7" | #6 | 48 | 17'-3" | #5 | 30 | 17'-3" |
| 16 | 20.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 78 | 14'-6" | #6 | 40 | 6'-0" | #6 | 40 | 11'-0" | #6 | 48 | 5'-0" | #5 | 30 | 3'-7" | #6 | 48 | 19'-3" | #5 | 30 | 19'-3" |
| 17 | 22.0 | #5 | 16 | 4'-0" | #4 | 8 | 9'-0" | #5 | 86 | 14'-6" | #6 | 44 | 6'-0" | #6 | 44 | 11'-0" | #6 | 48 | 5'-0" | #5 | 30 | 3'-7" | #6 | 48 | 21'-3" | #5 | 30 | 21'-3" |



**REINFORCED LID FOR
TYPE 20 & 22 FRAME & GRATE**

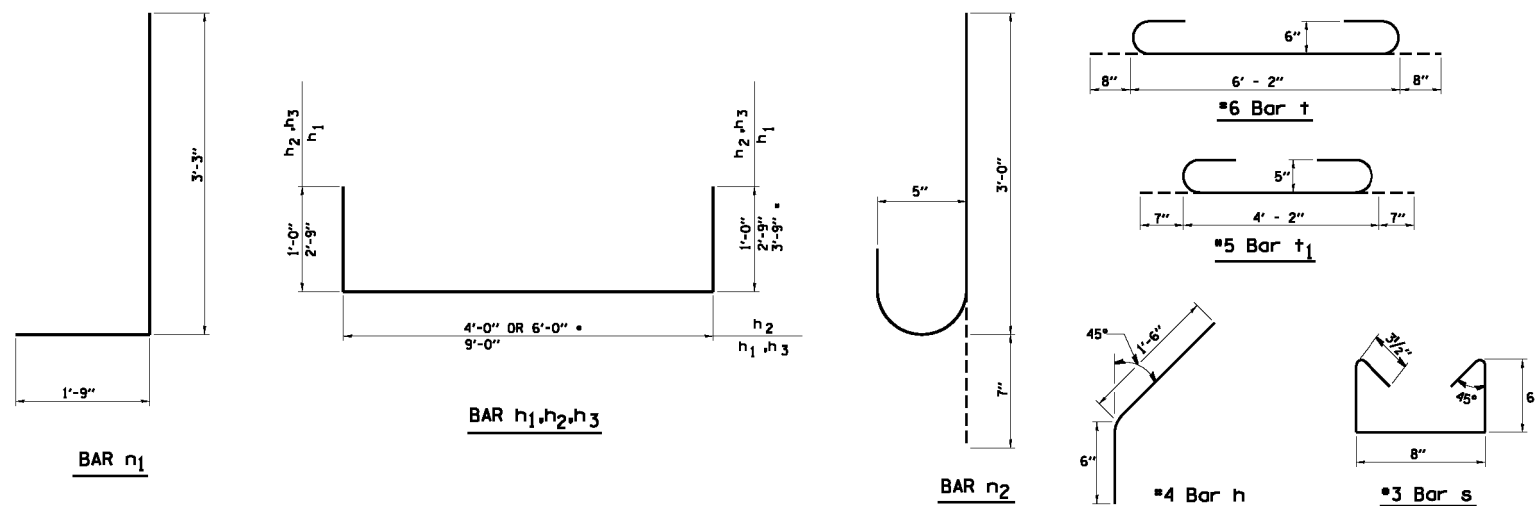


**REINFORCED LID FOR
TYPE 21 FRAME & GRATE
(FOR USE IN SAG AREAS)**

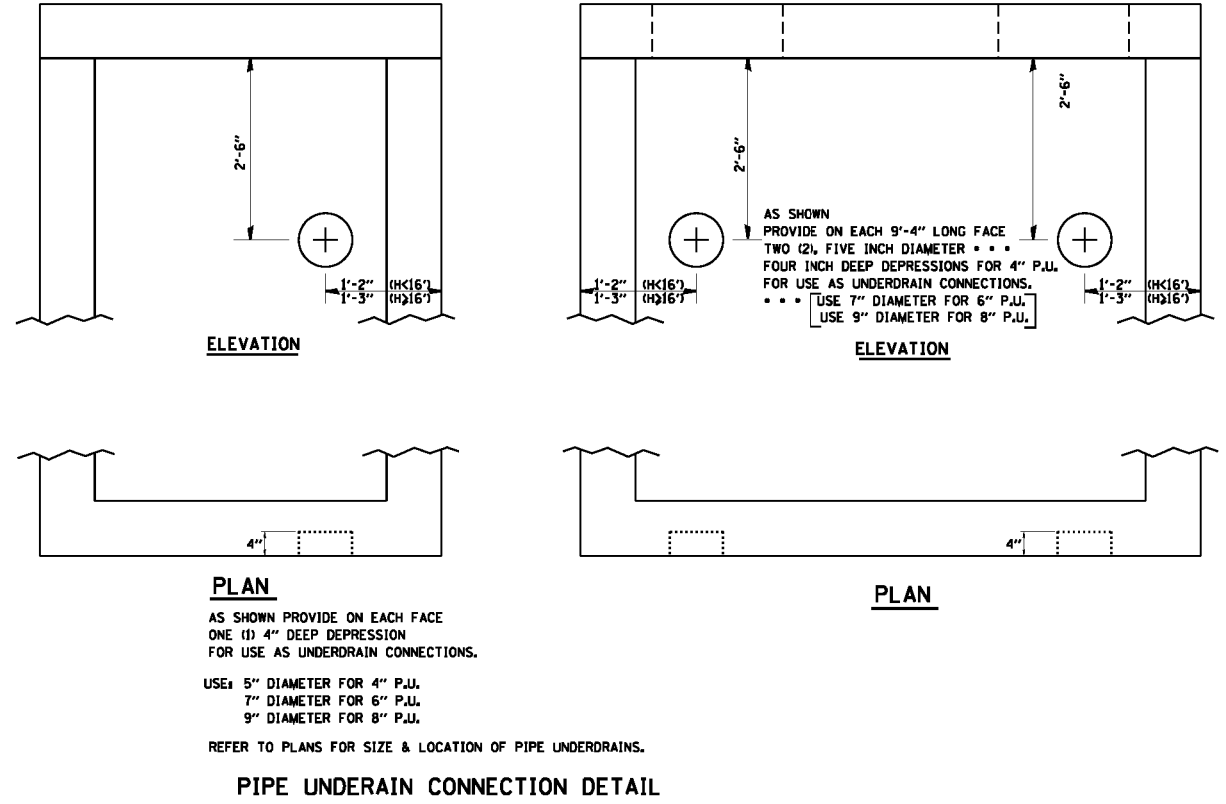
DRAINAGE STRUCTURE TYPE 8x5

REINFORCEMENT BARS SCHEDULE

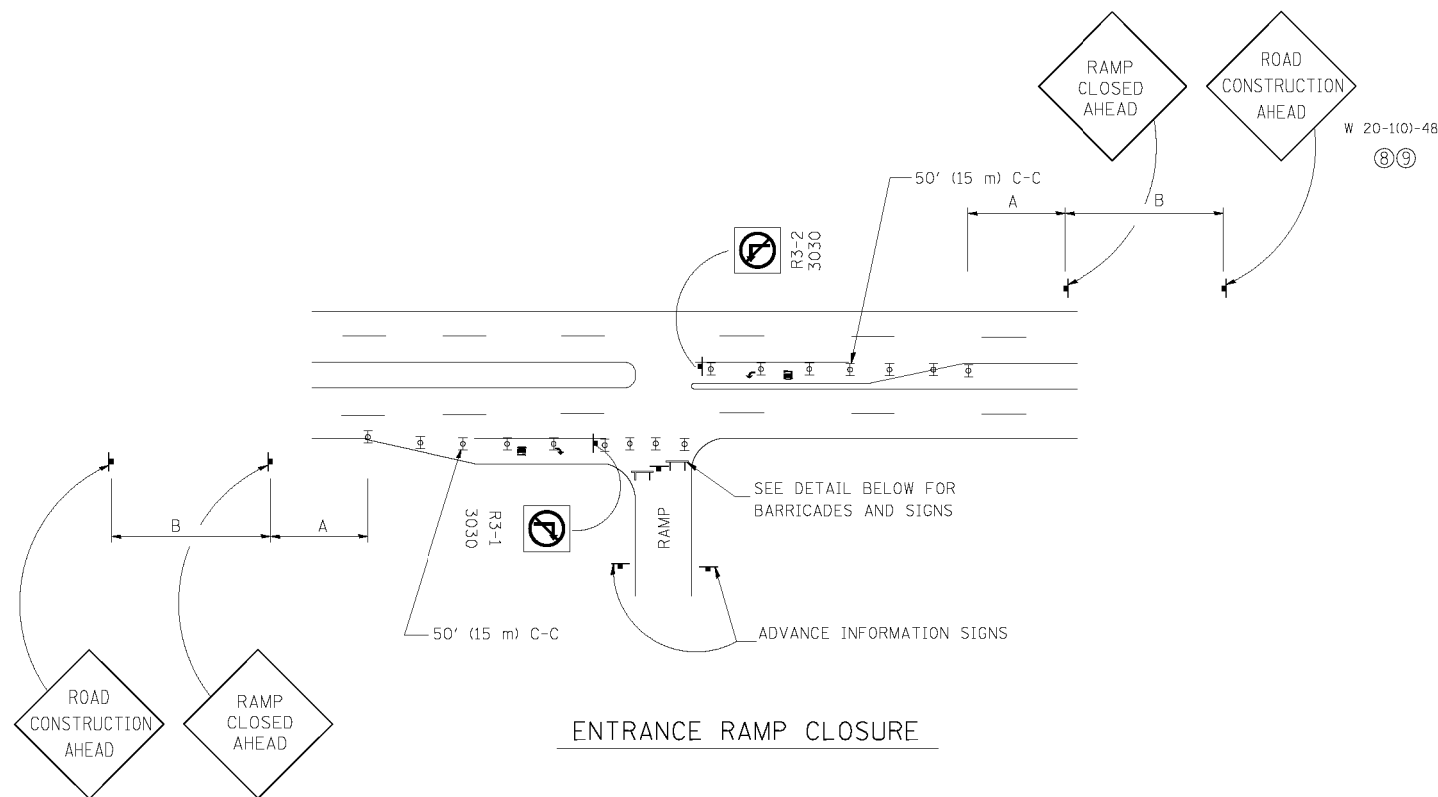
| TYPE | H IN. FT. | a ₁ BARS | | | b ₁ BARS | | | h ₁ BARS | | | h ₂ BARS | | | h ₃ BARS | | | n ₁ BARS | | | n ₂ BARS | | | v ₁ BARS | | | v ₂ BARS | | |
|------|--------------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|
| | | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH | SIZE | NO. | LENGTH |
| 1 | >8.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 16 | 16'-6" | #5 | 16 | 8'-0" | #5 | 16 | 11'-0" | #5 | 34 | 5'-0" | #4 | 34 | 3'-7" | #5 | 34 | 7'-3" | #4 | 34 | 7'-3" |
| 2 | 8.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 18 | 16'-6" | #5 | 18 | 8'-0" | #5 | 18 | 11'-0" | #5 | 34 | 5'-0" | #4 | 34 | 3'-7" | #5 | 34 | 7'-9" | #4 | 34 | 7'-9" |
| 3 | 9.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 18 | 16'-6" | #5 | 18 | 8'-0" | #5 | 18 | 11'-0" | #5 | 34 | 5'-0" | #4 | 34 | 3'-7" | #5 | 34 | 8'-3" | #4 | 34 | 8'-3" |
| 4 | 9.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 20 | 16'-6" | #5 | 20 | 8'-0" | #5 | 20 | 11'-0" | #5 | 34 | 5'-0" | #4 | 34 | 3'-7" | #5 | 34 | 8'-9" | #4 | 34 | 8'-9" |
| 5 | 10.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 20 | 16'-6" | #5 | 20 | 8'-0" | #5 | 20 | 11'-0" | #5 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 9'-3" | #4 | 34 | 9'-3" |
| 6 | 10.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 22 | 16'-6" | #5 | 22 | 8'-0" | #5 | 22 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 9'-9" | #4 | 34 | 9'-9" |
| 7 | 11.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 22 | 16'-6" | #5 | 22 | 8'-0" | #5 | 22 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 10'-3" | #4 | 34 | 10'-3" |
| 8 | 11.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 24 | 16'-6" | #5 | 24 | 8'-0" | #5 | 24 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 10'-9" | #4 | 34 | 10'-9" |
| 9 | 12.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 24 | 16'-6" | #5 | 24 | 8'-0" | #5 | 24 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 11'-3" | #4 | 34 | 11'-3" |
| 10 | 12.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 26 | 16'-6" | #5 | 26 | 8'-0" | #5 | 26 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 11'-9" | #4 | 34 | 11'-9" |
| 11 | 13.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 26 | 16'-6" | #5 | 26 | 8'-0" | #5 | 26 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 12'-3" | #4 | 34 | 12'-3" |
| 12 | 13.5 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 28 | 16'-6" | #5 | 28 | 8'-0" | #5 | 28 | 11'-0" | #6 | 34 | 5'-0" | #4 | 34 | 3'-7" | #6 | 34 | 12'-9" | #4 | 34 | 12'-9" |
| 13 | 14.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 56 | 16'-6" | #6 | 28 | 8'-0" | #6 | 28 | 11'-0" | #6 | 52 | 5'-0" | #5 | 34 | 3'-7" | #6 | 52 | 13'-3" | #5 | 34 | 13'-3" |
| 14 | 16.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 64 | 16'-6" | #6 | 32 | 8'-0" | #6 | 32 | 11'-0" | #6 | 52 | 5'-0" | #5 | 34 | 3'-7" | #6 | 52 | 15'-3" | #5 | 34 | 15'-3" |
| 15 | 18.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 72 | 16'-6" | #6 | 36 | 8'-0" | #6 | 36 | 11'-0" | #6 | 52 | 5'-0" | #5 | 34 | 3'-7" | #6 | 52 | 17'-3" | #5 | 34 | 17'-3" |
| 16 | 20.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 78 | 16'-6" | #6 | 40 | 8'-0" | #6 | 40 | 11'-0" | #6 | 52 | 5'-0" | #5 | 34 | 3'-7" | #6 | 52 | 19'-3" | #5 | 34 | 19'-3" |
| 17 | 22.0 | #5 | 16 | 6'-0" | #4 | 12 | 9'-0" | #5 | 86 | 16'-6" | #6 | 44 | 8'-0" | #6 | 44 | 11'-0" | #6 | 52 | 5'-0" | #5 | 34 | 3'-7" | #6 | 52 | 21'-3" | #5 | 34 | 21'-3" |



• FOR TYPE 22 F & G



PIPE UNDERDRAIN CONNECTION DETAIL

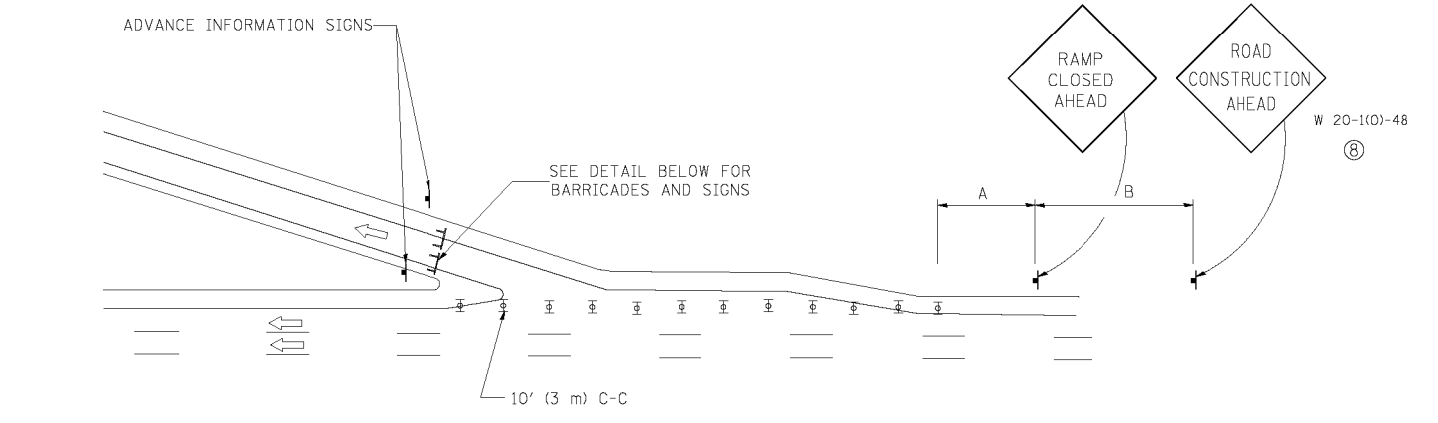


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

| FACILITY | DISTANCE BETWEEN SIGNS | |
|-------------------------|------------------------|------------------|
| | A | B |
| EXPRESSWAY >24 HOURS | 1000' (300 m) | 1500' (450 m) |
| EXPRESSWAY <24 HOURS | 500' (150 m) | 500' (150 m) |
| ARTERIAL ≥45 MPH | 350' (100 m) | 350' (100 m) |
| ARTERIAL <45 MPH | 150' (45 m) | 150' (45 m) |

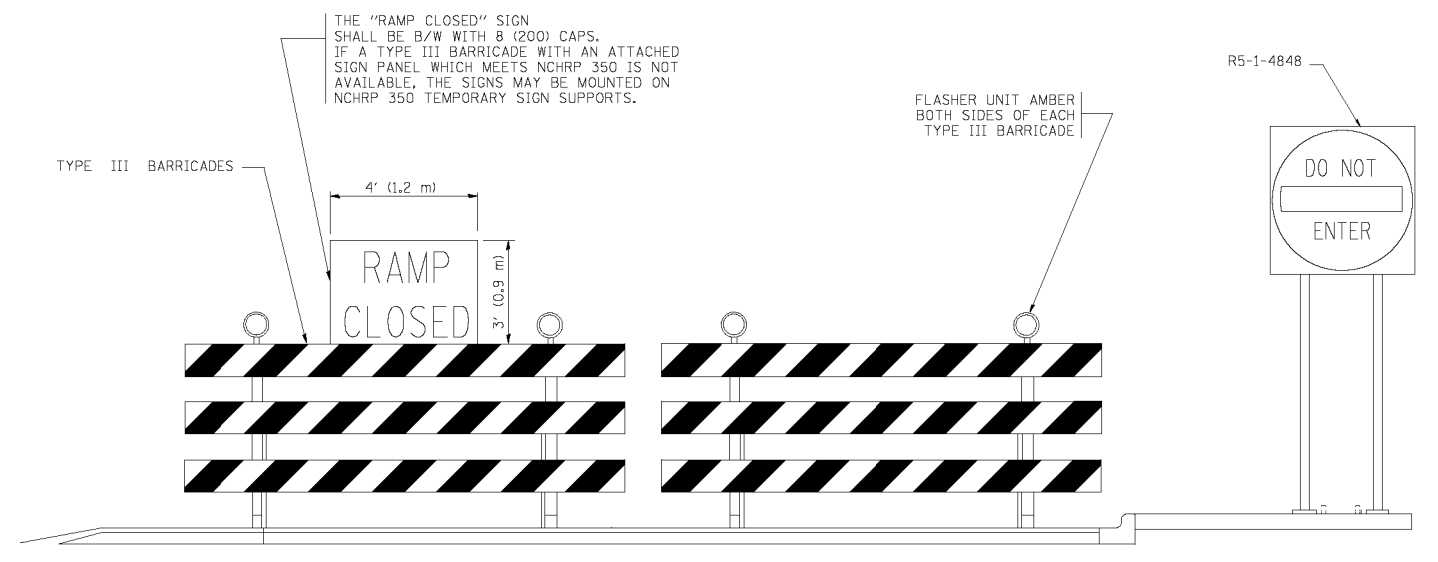
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

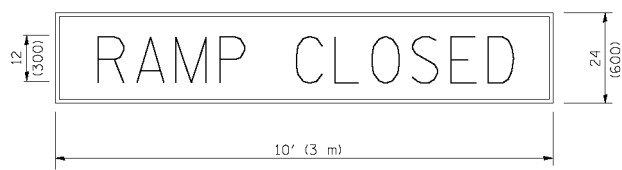
SYMBOLS

- ⊥ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN

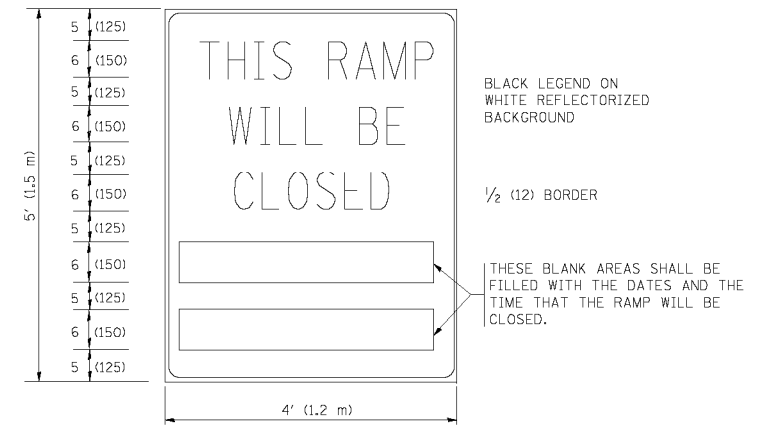


BLACK LEGEND ON ORANGE REFLECTORIZED BACKGROUND

1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR THE CLOSED EXIT RAMPS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND

1/2 (12) BORDER

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED ON CLOSURES LESS THAN 24 HOURS IN DURATION.

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

FILE NAME = W:\diststd\22x34\to08.dgn

USER NAME = lgyee
 PLOT SCALE = 50.000' / IN.
 PLOT DATE = 1/26/2010

DESIGNED - DWS
 DRAWN -
 CHECKED -
 DATE - 02-83

REVISED - DWS/JAF 12-02
 REVISED - JAF 02-06
 REVISED - SPB 01-07
 REVISED - SPB 12-09

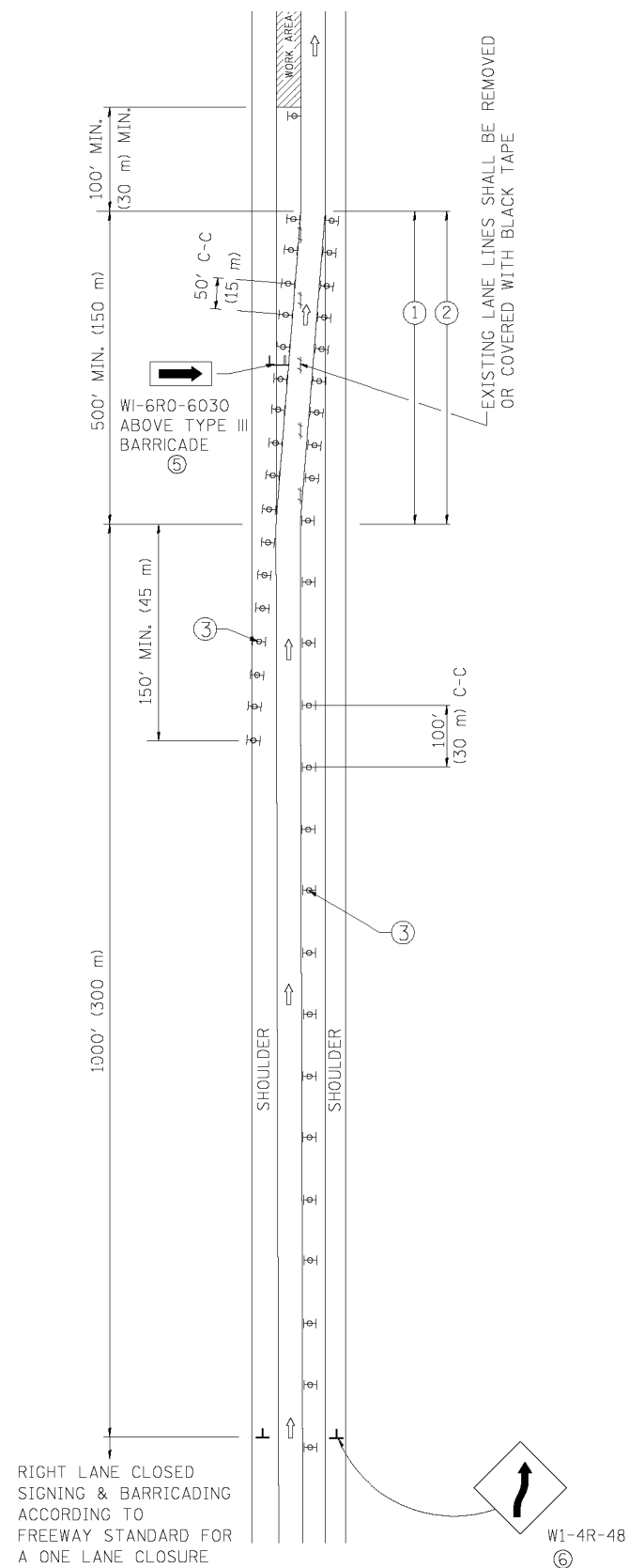
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FREEWAY ENTRANCE AND EXIST RAMP
 CLOSURE DETAILS**

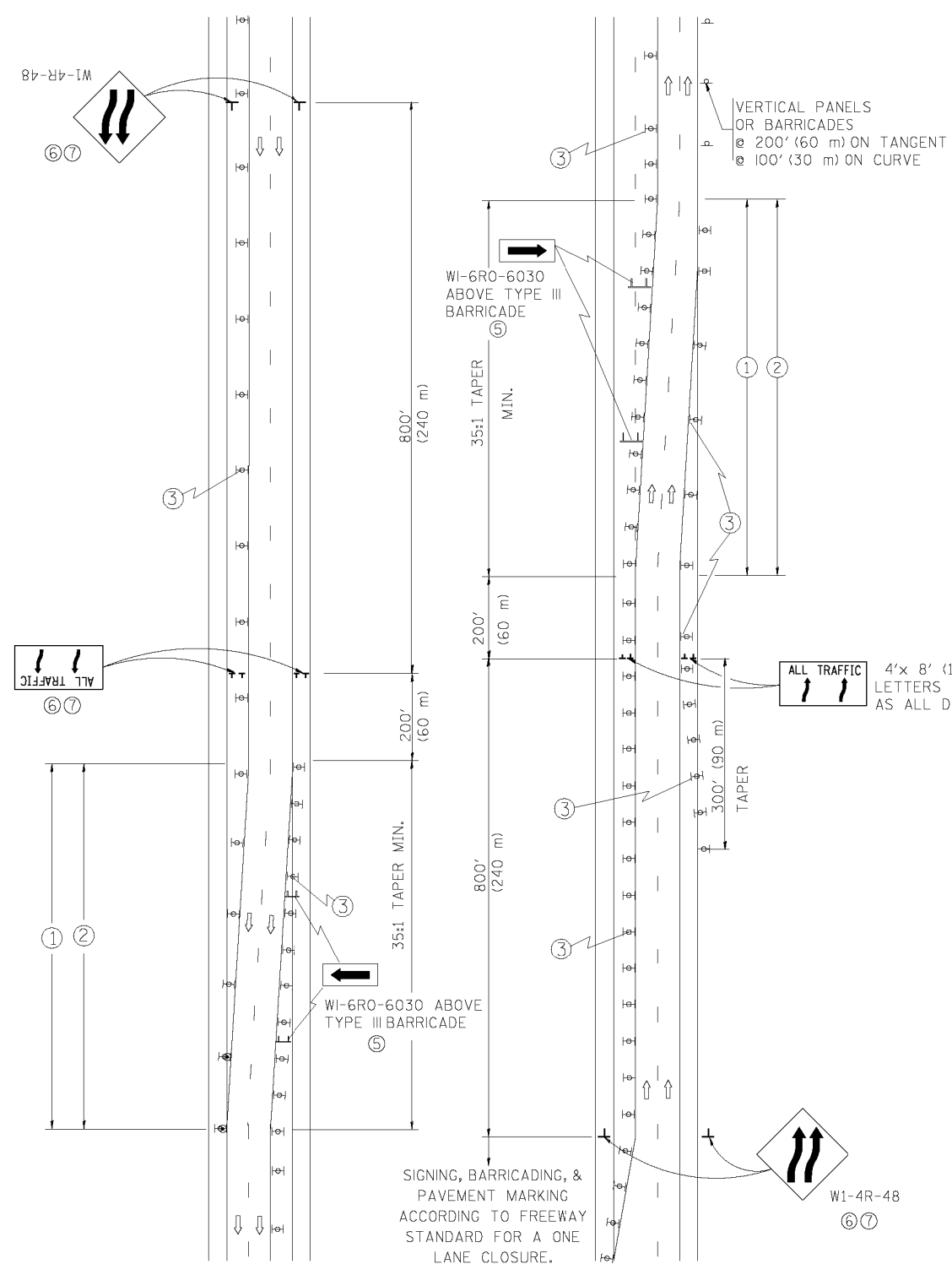
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 627 |
| TC-08 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

SINGLE LANE WEAVE



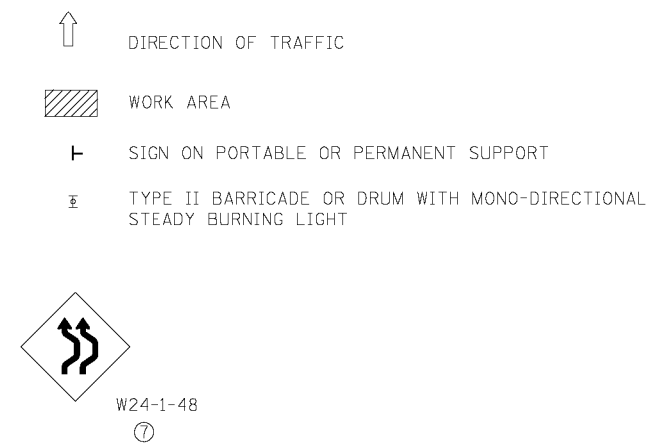
MULTI-LANE WEAVE



GENERAL NOTES

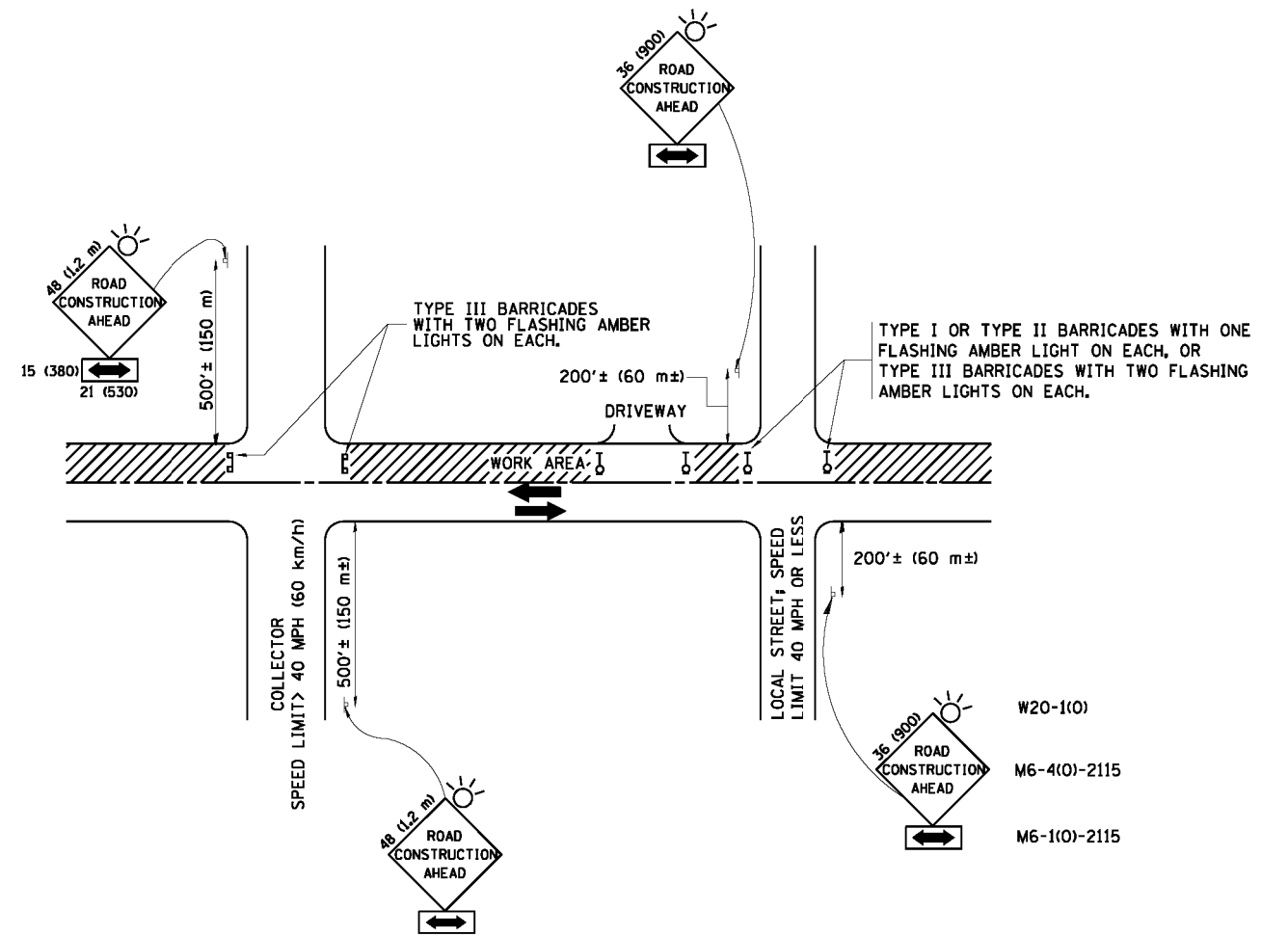
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 24 HOURS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS. TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | |
|----------------------------------------|----------------------------|----------------|---------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-------------------------|---------------|--------------------|-----------------|--------------------|
| FILE NAME - W:\d\std\22x34\to09.dgn | USER NAME - lqjoo | DESIGNED - DWS | REVISED - JAF 01-03 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE | F.A.U. RTE. - 80 | SECTION - 99-4-1VB-1-R | COUNTY - WILL | TOTAL SHEETS - 840 | SHEET NO. - 628 | |
| | PLOT SCALE = 50,000' / IN. | DRAWN - | REVISED - JAF 02-06 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | TC-09 | | CONTRACT NO. 60N87 |
| | PLOT DATE = 1/26/2010 | CHECKED - | REVISED - SPB 01-07 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |
| | | DATE - 02-87 | REVISED - SPB 12-09 | | | | | | | | |



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

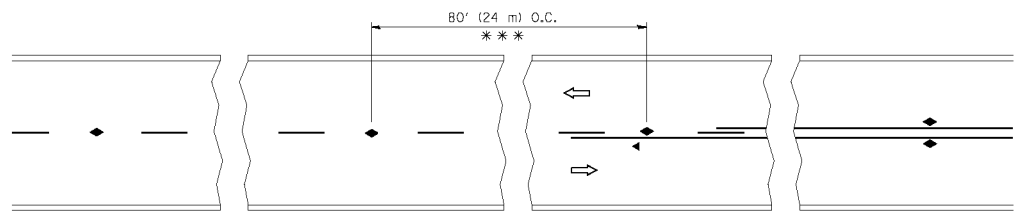
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| | | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | PLDT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | PLDT DATE = 1/4/2008 | DATE - 06-89 | REVISED - T. RAMMACHER 01-06-00 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

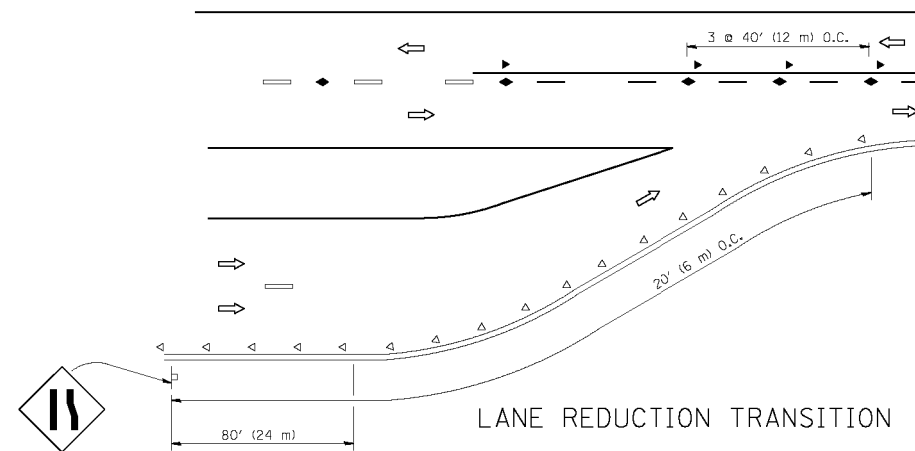
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------------------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 629 |
| TC-10 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

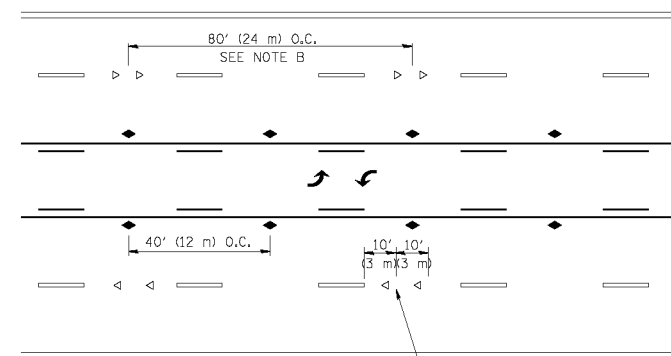


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

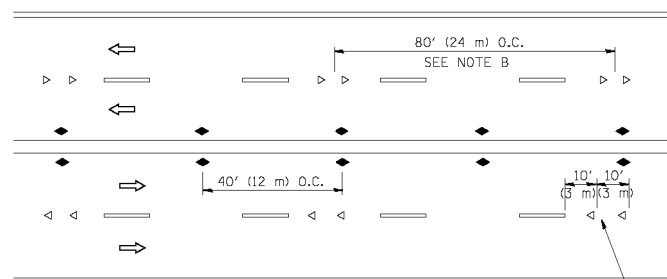
TWO-LANE/TWO-WAY



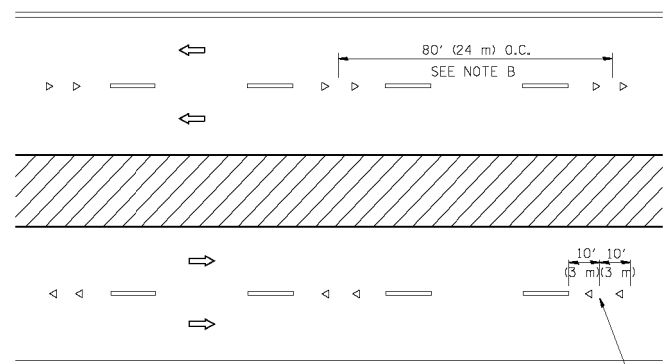
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 600' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

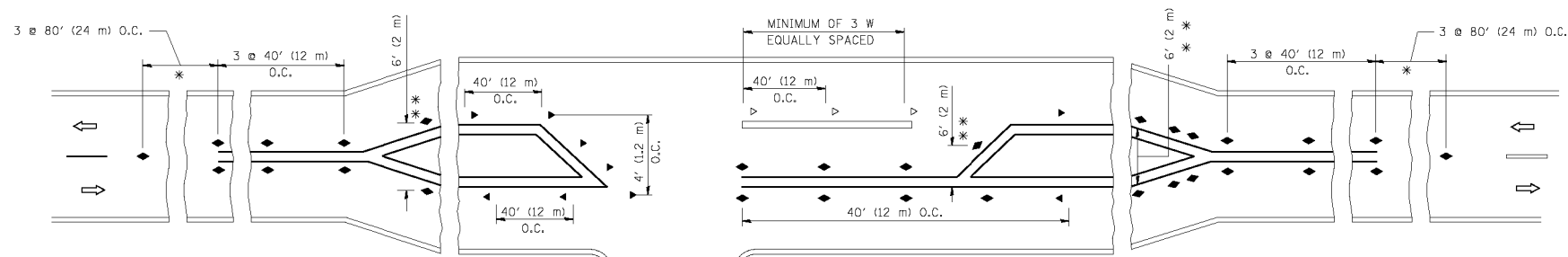
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

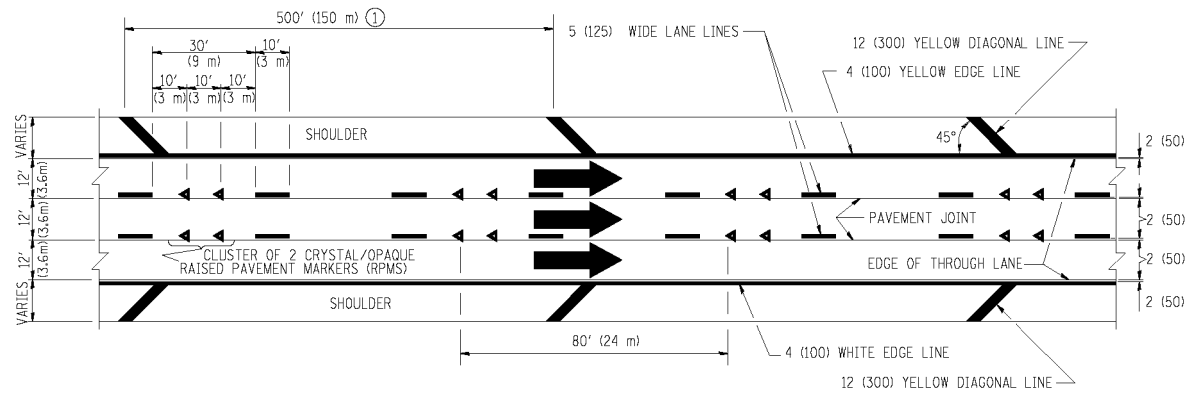


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

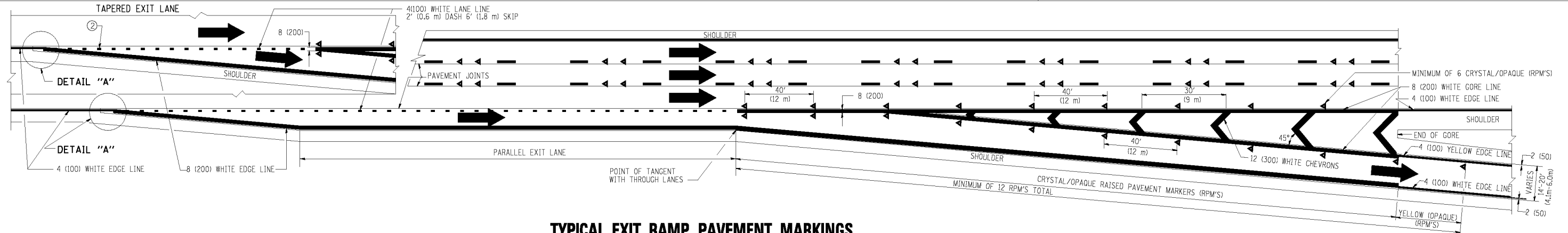
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| FILE NAME = | USER NAME = drivkasgn | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | | F.A.U. RTE. = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwork\pwork\drivkasgn\d0108315\to1.dgn | DRAWN - | REVISED - T. RAMMACHER 03-12-99 | 80 | | | | | 99-4-1VB-1-R | WILL | 840 | 630 | |
| PLOT SCALE = 50.000' / IN. | CHECKED - | REVISED - T. RAMMACHER 01-06-00 | TC-11 | | | | CONTRACT NO. 60N87 | | | | | |
| PLOT DATE = 9/9/2009 | DATE - | REVISED - C. JUCIUS 09-09-09 | SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



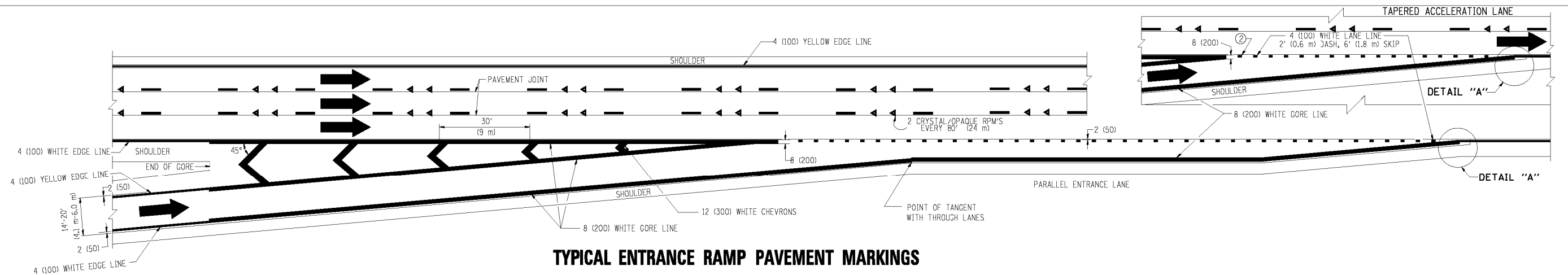
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

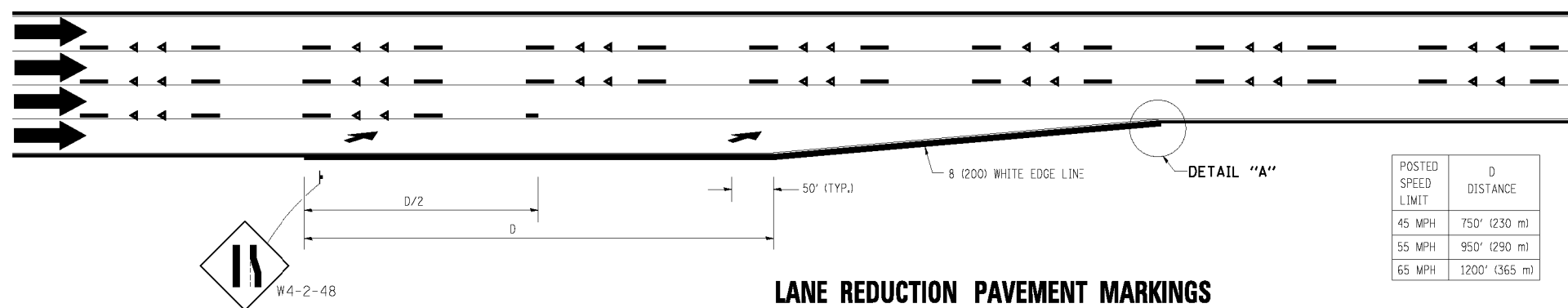
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

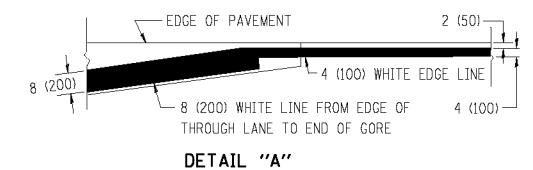


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

| POSTED SPEED LIMIT | D DISTANCE |
|--------------------|---------------|
| 45 MPH | 750' (230 m) |
| 55 MPH | 950' (290 m) |
| 65 MPH | 1200' (365 m) |



NOTES:

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

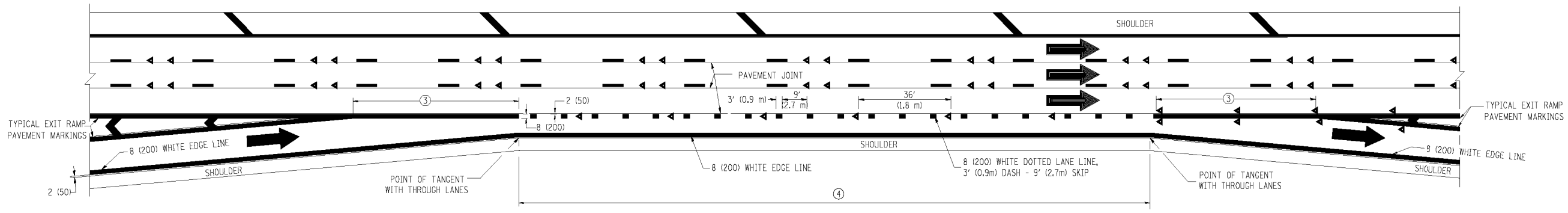
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| ca:\pwork\PWID00\LEYSAd\0108315\to12.dgn | | DRAWN - | REVISED - J.A.F. 02-06 |
| | PLOT SCALE = 50,000' / IN. | CHECKED - | REVISED - S.P.B. 01-07 |
| | PLOT DATE = 1/22/2010 | DATE - 01-90 | REVISED - S.P.B. 01-10 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

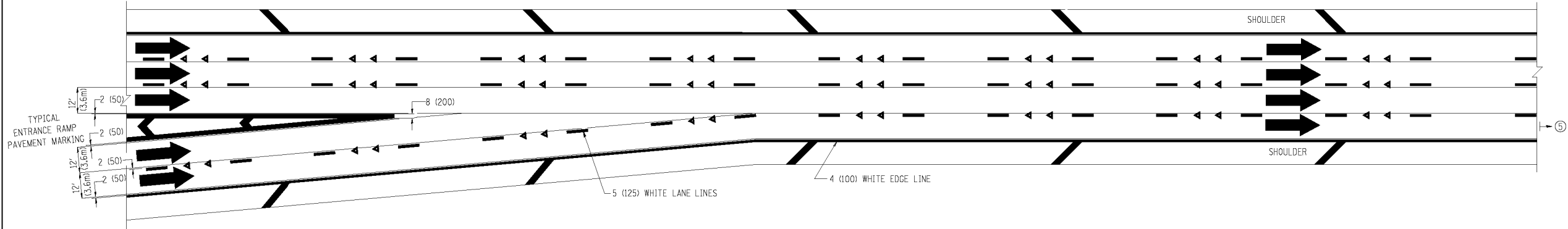
**MULTI-LANE FREEWAY
 PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

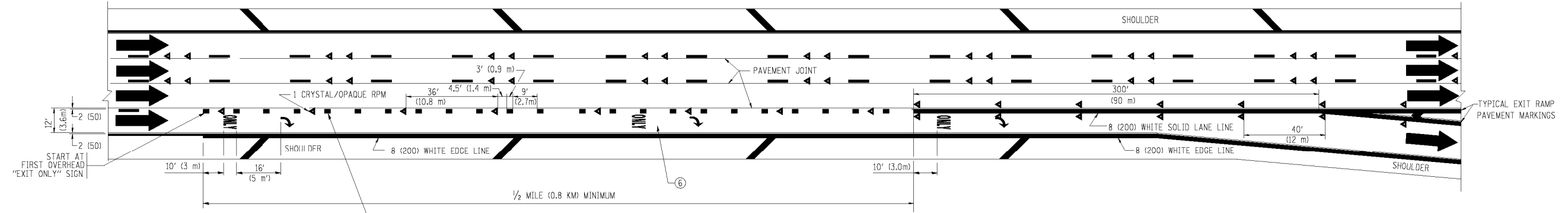
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|-------------------------------------------------|--------------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 631 |
| TC-12 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



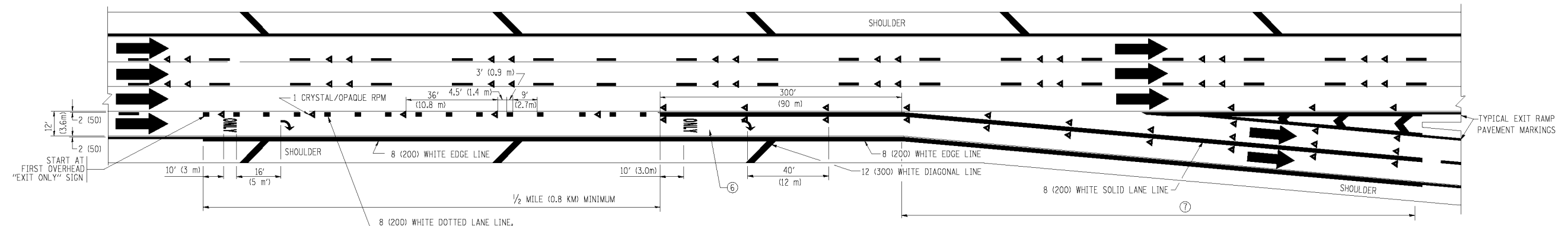
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



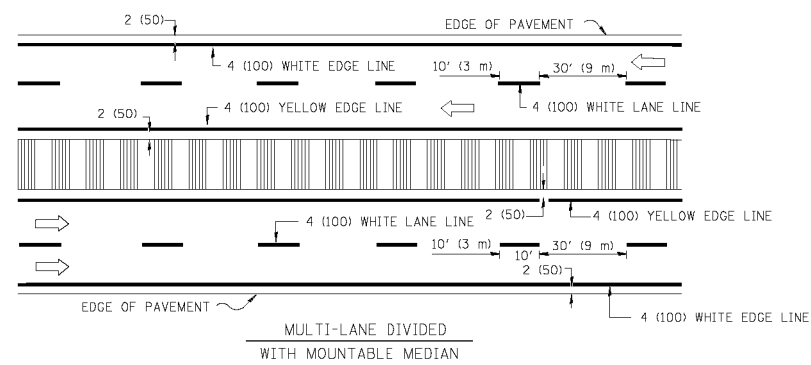
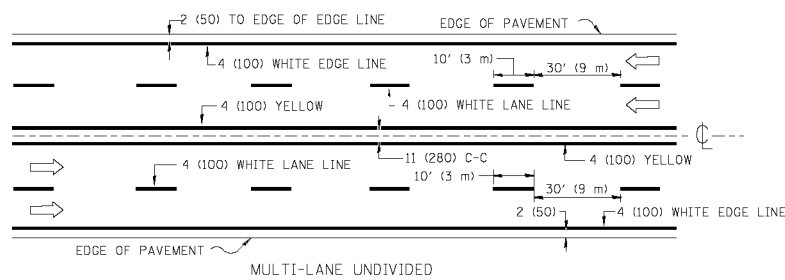
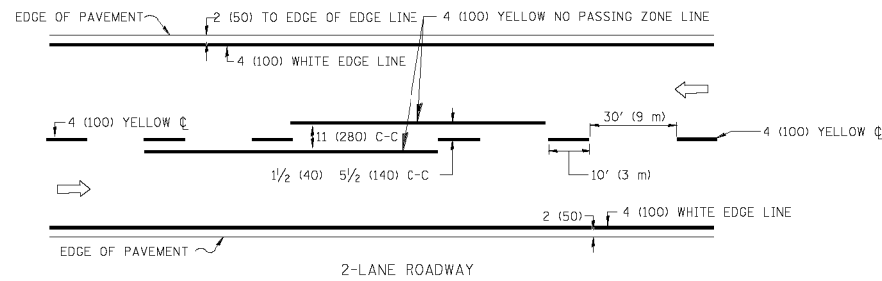
EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

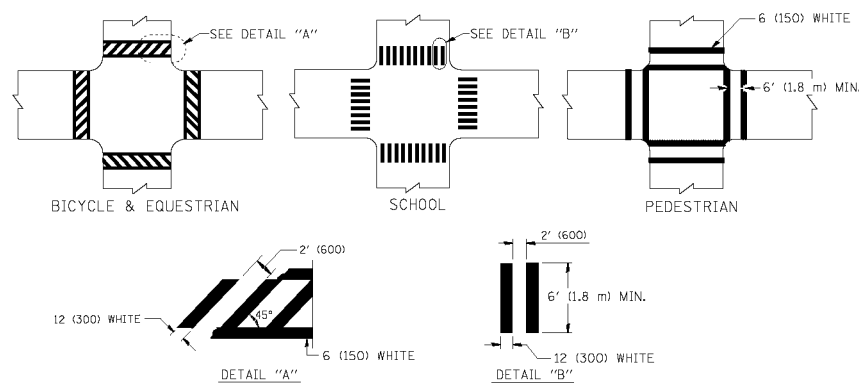
- NOTES
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

| | | | | | | | | | | | | |
|----------------------|-----------------------------|-------------------|------------------------|-----------------------------------------------------------|--------------------------------------------------------|-------------------------|--------------|-------------------------------------------------|------------------------|---------------|--------------------|-----------------|
| FILE NAME = | USER NAME = lsg00 | DESIGNED - D.W.S. | REVISED - D.W.S. 07-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS | | | F.A.U. RTE. = 80 | SECTION = 99-4-1VB-1-R | COUNTY = WILL | TOTAL SHEETS = 840 | SHEET NO. = 632 |
| CONTRACT NO. = 60N87 | PLOT SCALE = 500.000' / IN. | CHECKED - | REVISED - J.A.F. 02-06 | | SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
| | PLOT DATE = 1/22/2010 | DATE = 01-90 | REVISED - S.P.B. 01-07 | | | | | | | | | |
| | | | REVISED - S.P.B. 01-10 | | | | | | | | | |

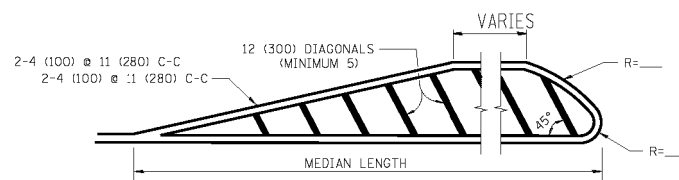
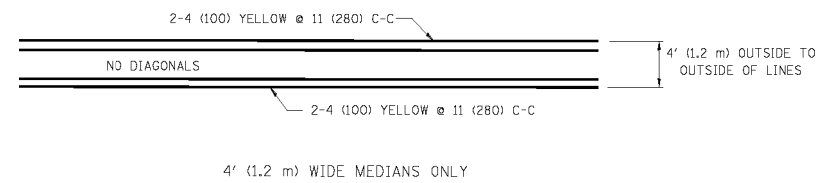


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



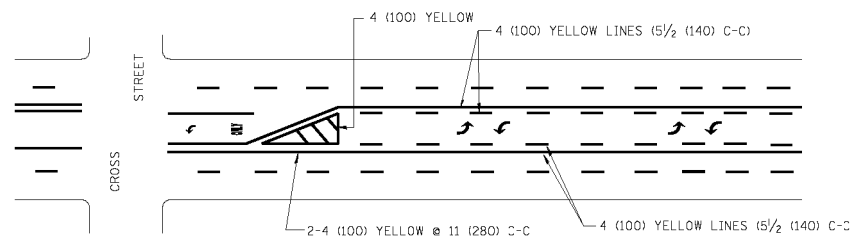
TYPICAL CROSSWALK MARKING



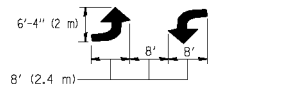
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

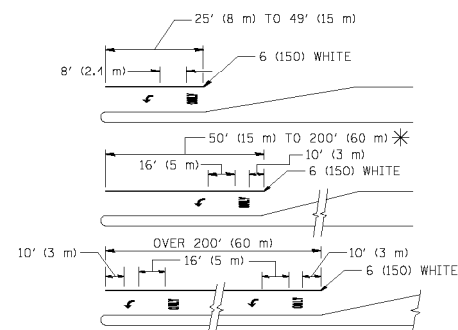


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

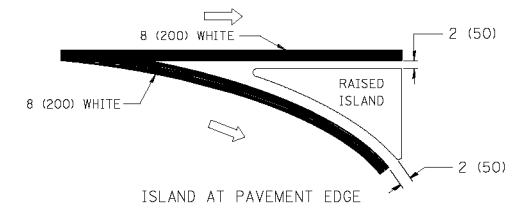
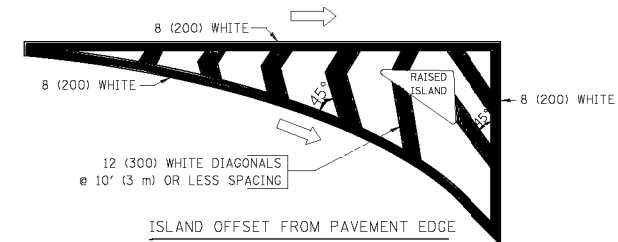


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

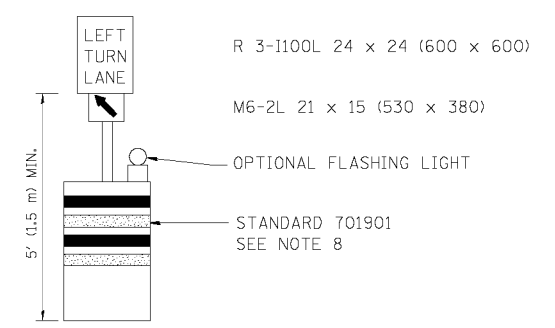
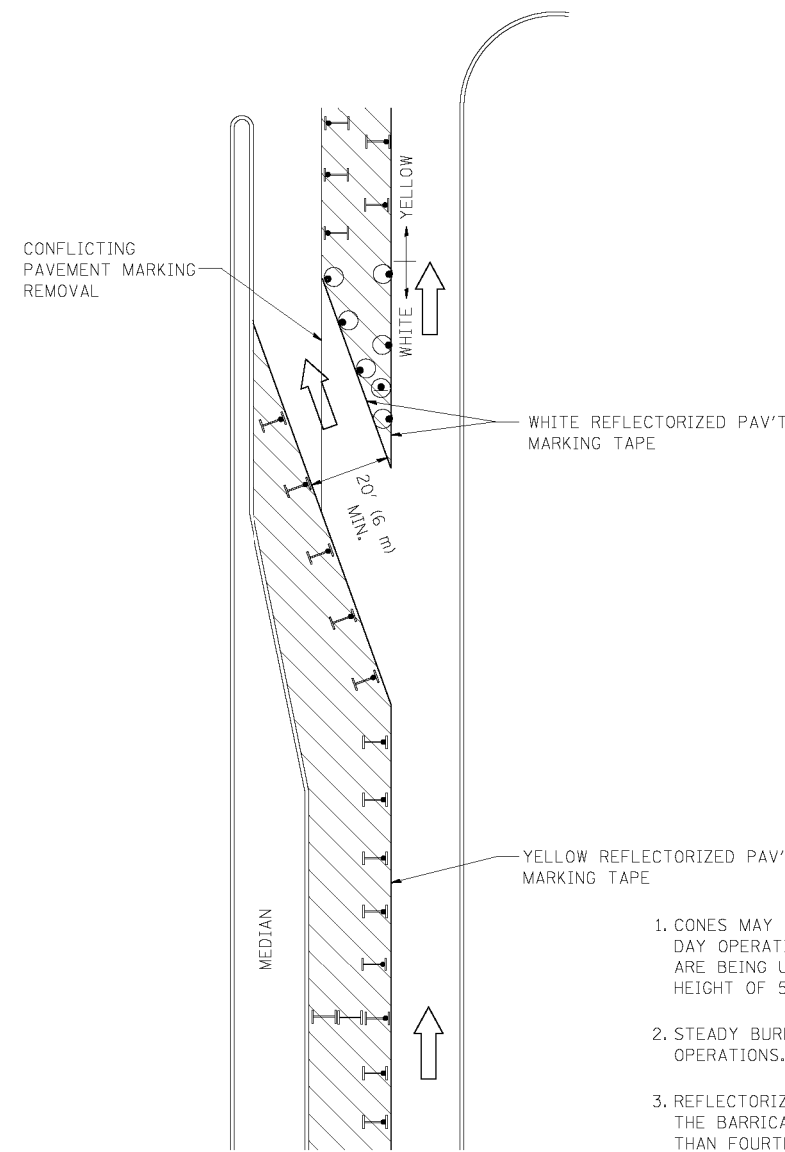
All dimensions are in inches (millimeters) unless otherwise shown.

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| ca:\pki\work\pki\dot\drivkasgn\d0108315\to3.dgn | | DRAWN - | REVISED -C. JUCIUS 09-09-09 |
| | PLOT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - |
| | PLOT DATE = 9/9/2009 | DATE - 03-19-90 | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------|-------------------------|------|---------|
| DISTRICT ONE | | | |
| TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|-------------------------------------------------|--------------|--------------------|--------------|-----------|
| F.A.U. RT.: | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 633 |
| TC-13 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

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

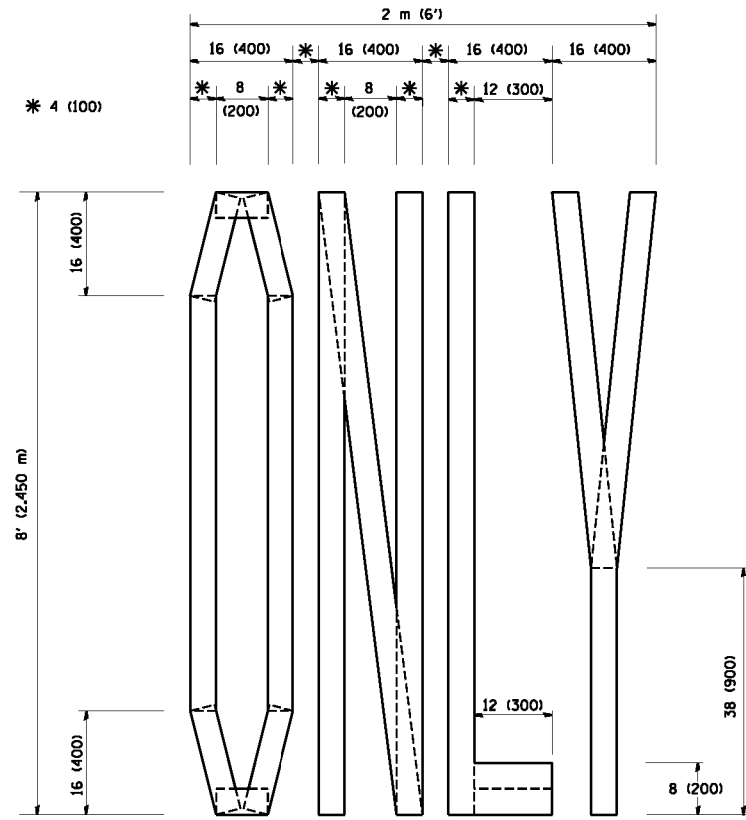
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| ca:\p\work\PWID00\DRIVAK0SGN\d0108315\14.dgn | | REVISED - A. HOUSEH 11-07-95 | REVISED - |
| | PLOT SCALE = 49.9999 ' / IN. | REVISED - A. HOUSEH 10-12-96 | REVISED - |
| | PLOT DATE = 9/14/2009 | REVISED -T. RAMMACHER 01-06-00 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

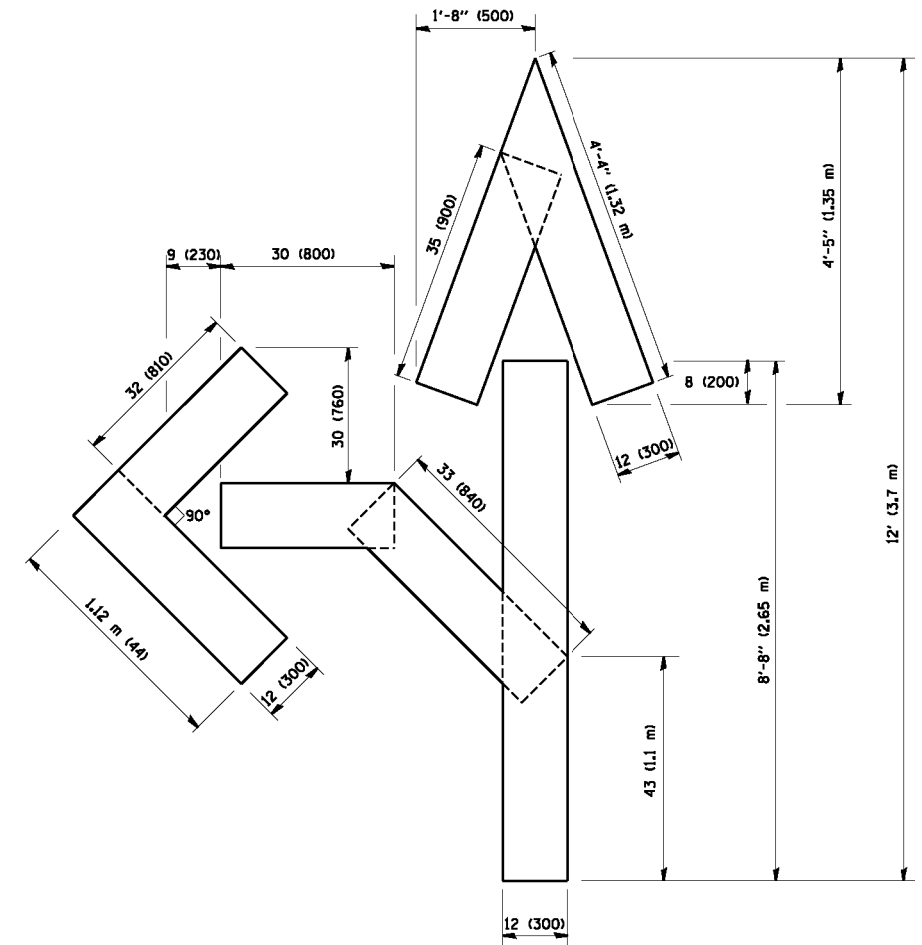
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

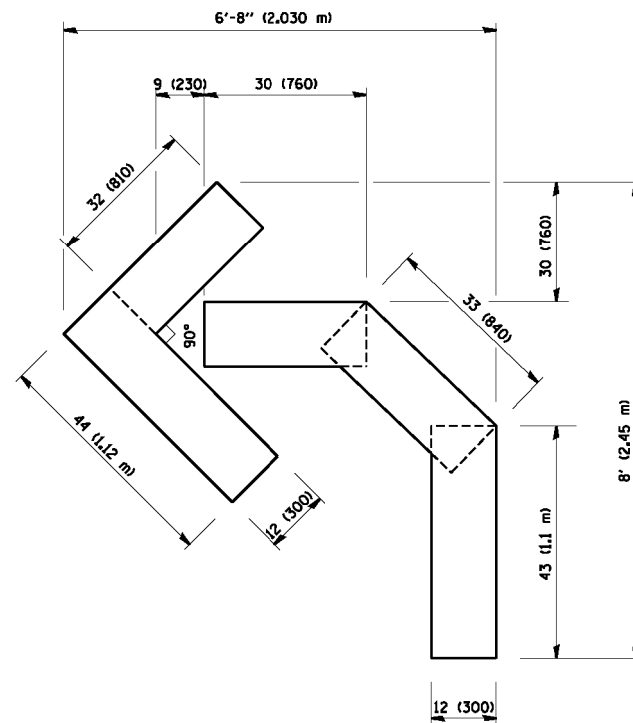
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|-------------------------------------------------|--------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 634 |
| TC-14 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

| | | | |
|------------------------------------------|---------------------------|--------------------------------|------------------------------------------------------------------|
| FILE NAME = W:\diststd\22x34\to16.dgn | USER NAME = gaglianobt | DESIGNED - DRAWN - | REVISED -T. RAMMACHER 06-05-96 REVISED -T. RAMMACHER 11-04-97 |
| PLDT SCALE = 50.0000' / IN. | CHECKED - | REVISED -T. RAMMACHER 03-02-98 | REVISED -E. GOMEZ 08-28-00 |
| PLDT DATE = 1/4/2008 | DATE - 09-18-94 | | |

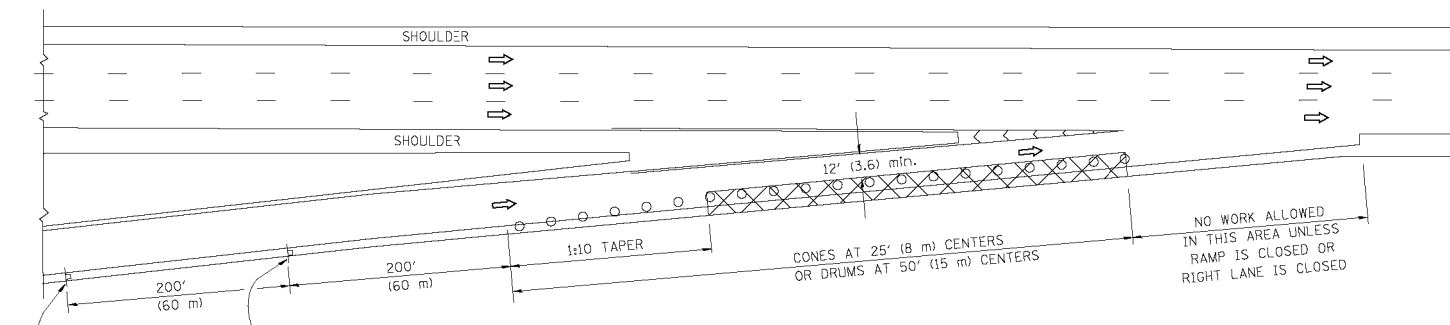
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

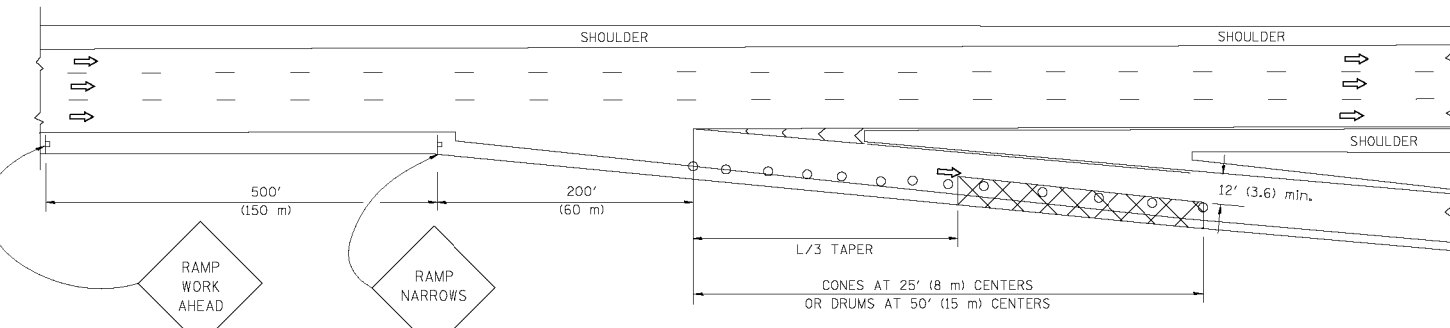
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 635 |
| TC-16 | | CONTRACT NO. | 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

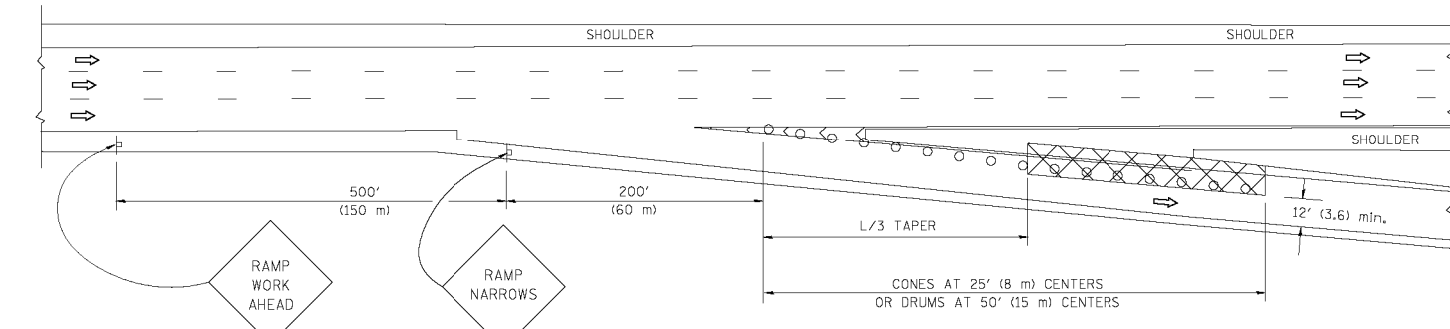
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

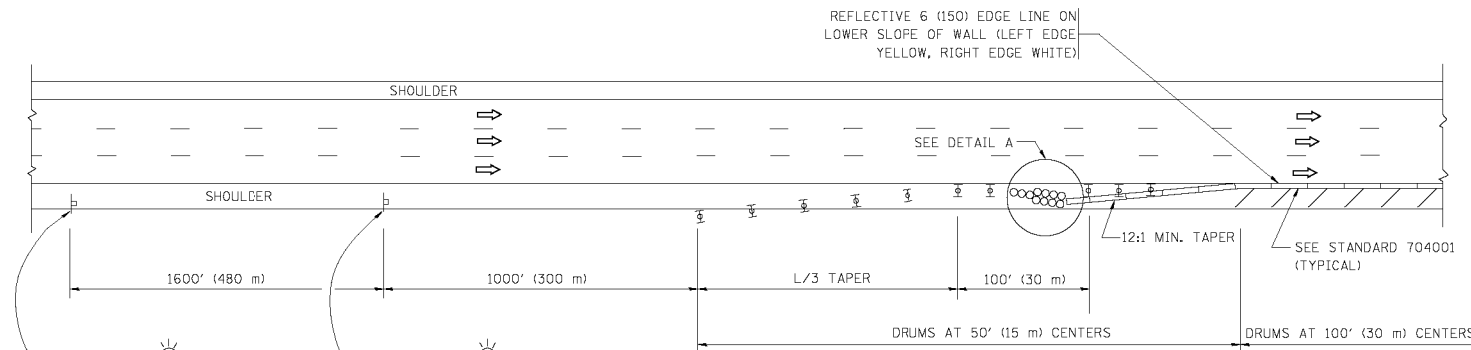
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

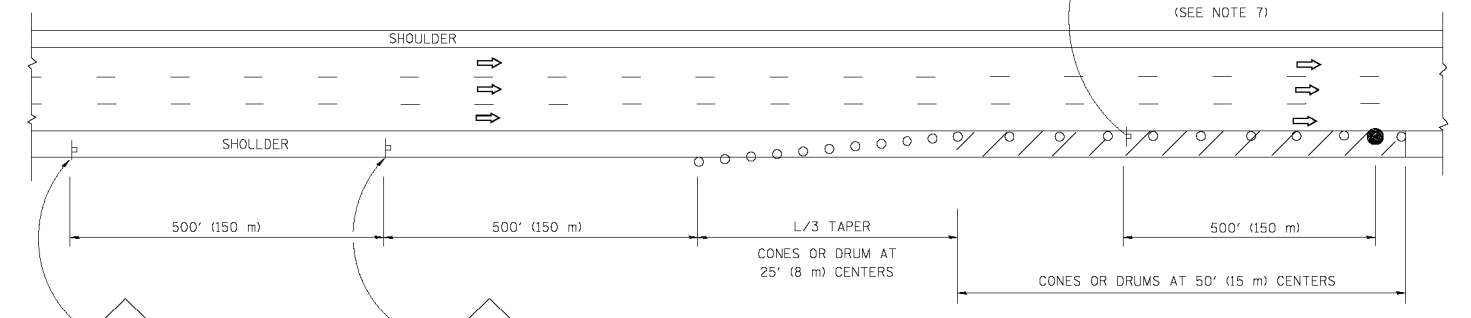
1. THE "L" DISTANCE EQUALS:

| | |
|---------------------------------|----------------------------------------------------------------------------|
| SPEED LIMIT | FORMULAS |
| 45 mph (80 km/h) OR GREATER: | METRIC ENGLISH L=0.65(W)(S) L=(W)(S) |
| | W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H) |
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

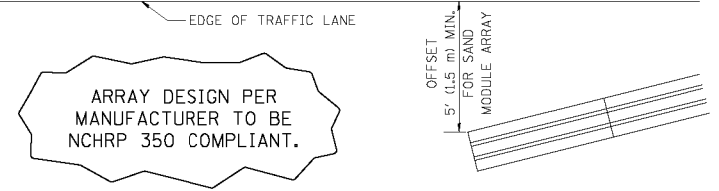


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

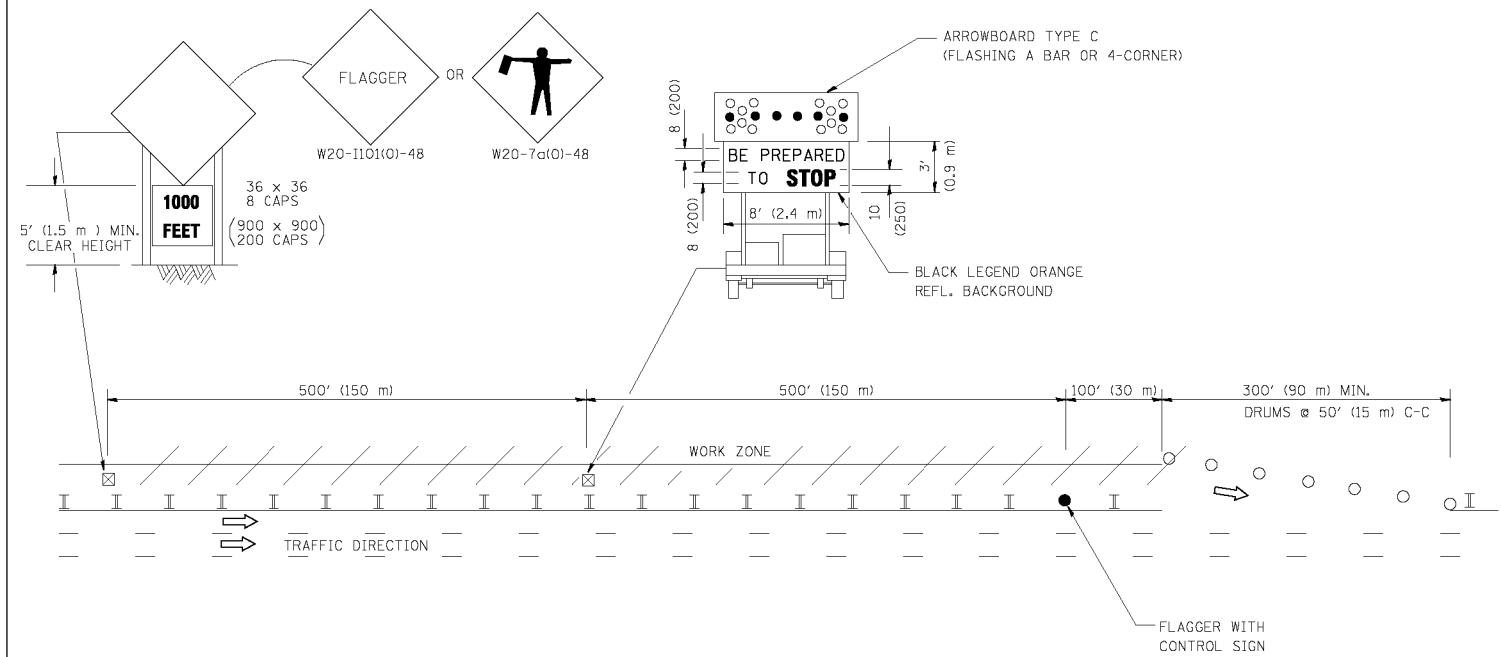
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

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

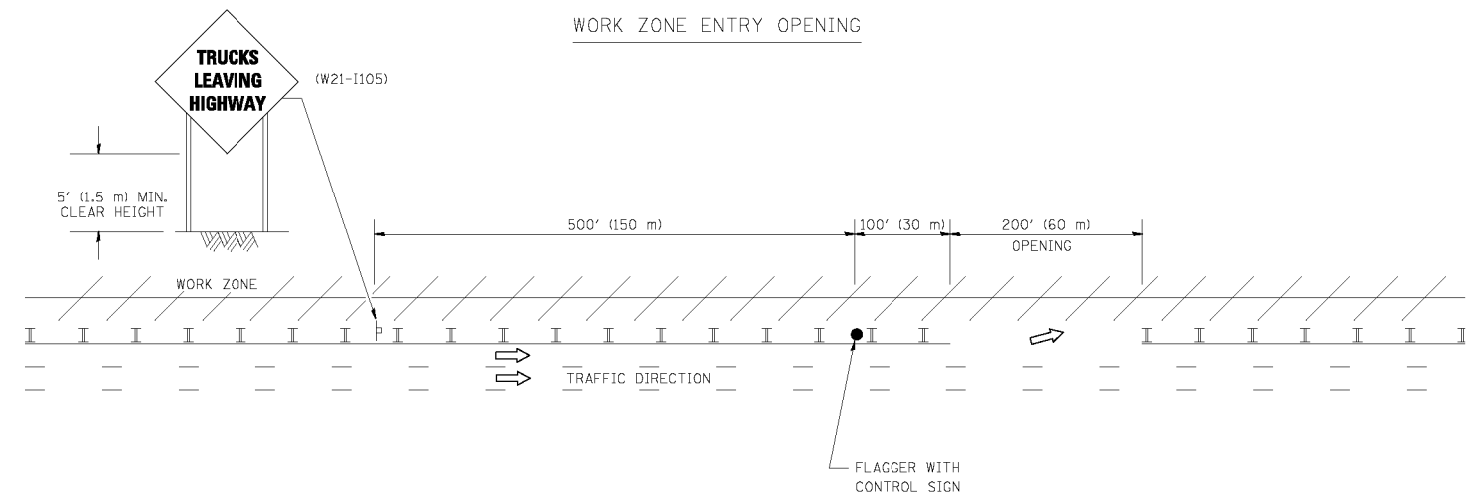
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| FILE NAME = W:\diststd\22x34\1017.dgn | USER NAME = lbgoo | DESIGNED - | REVISED - 04-03 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - D.W.S. | REVISED - J.A.F. 12-06 | | 80 | 99-4-1VB-1-R | WILL | 840 | 636 | | | |
| | | CHECKED - | REVISED - S.P.B. 01-07 | | TC-17 | | | CONTRACT NO. 60N87 | | | | |
| | | DATE - 11-96 | REVISED - S.P.B. 12-09 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

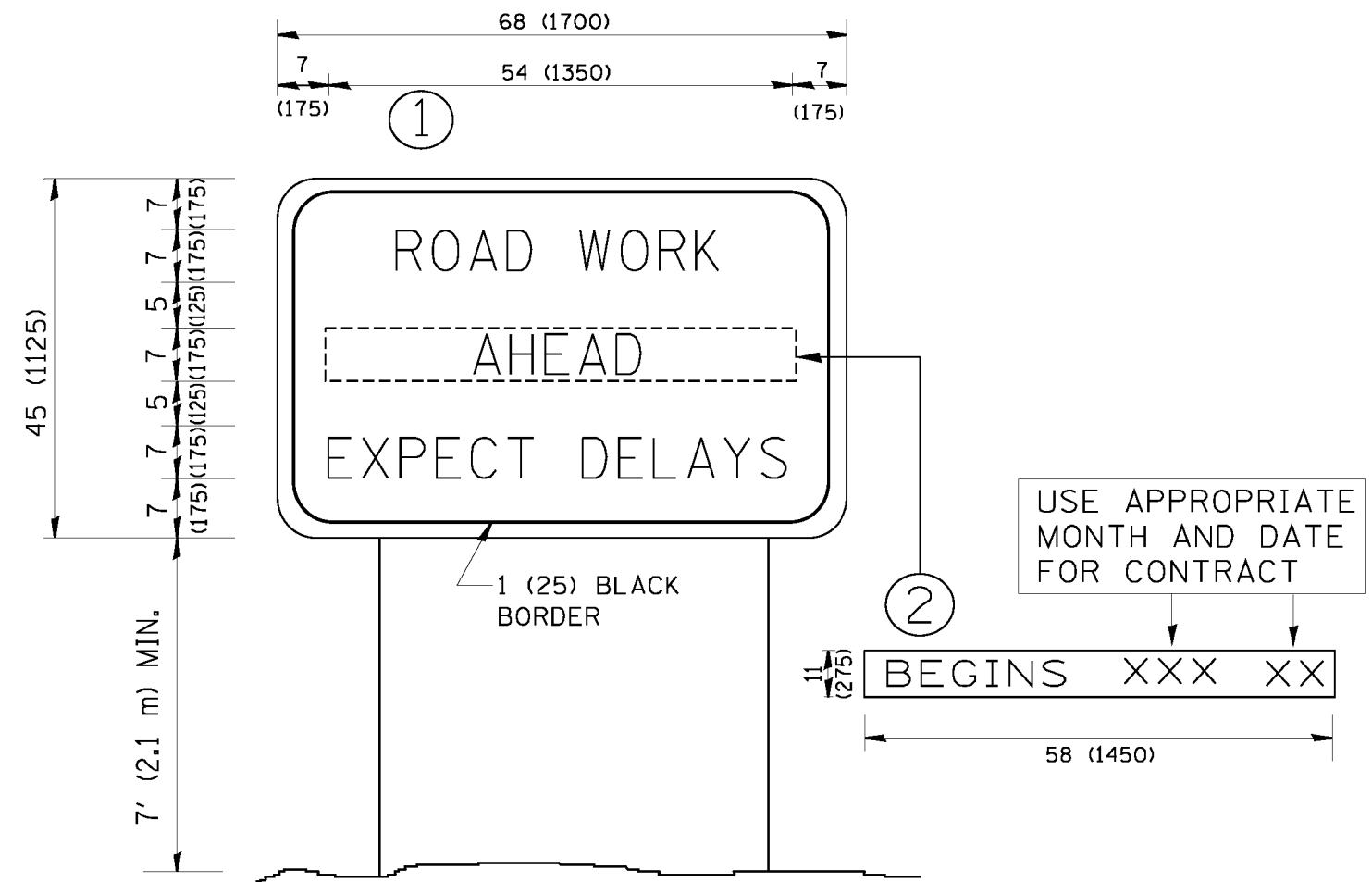
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|------------------------------------------|----------------------|-------------------------|------------------------|
| FILE NAME = W:\diststd\22x34\to18.dgn | USER NAME = lejos | DESIGNED - DRAWN - | REVISED - REVISED - |
| | | DESIGNED - CHECKED - | REVISED - REVISED - |
| | | DESIGNED - DATE - | REVISED - REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS**

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

| | | | | |
|-------------------------------------------------|-------------------------|----------------|---------------------|------------------|
| F.A.U. RTE. 80 | SECTION 99-4-1VB-1-R | COUNTY WILL | TOTAL SHEETS 840 | SHEET NO. 637 |
| TC-18 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

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

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

| | | | |
|------------------------------------------|-----------------------------|------------|---------------------------------|
| FILE NAME = W:\diststd\22x34\to22.dgn | USER NAME = gaglianobt | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| | | DRAWN - | REVISED - R. MIRS 12-11-97 |
| | PLDT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| | PLDT DATE = 1/4/2008 | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

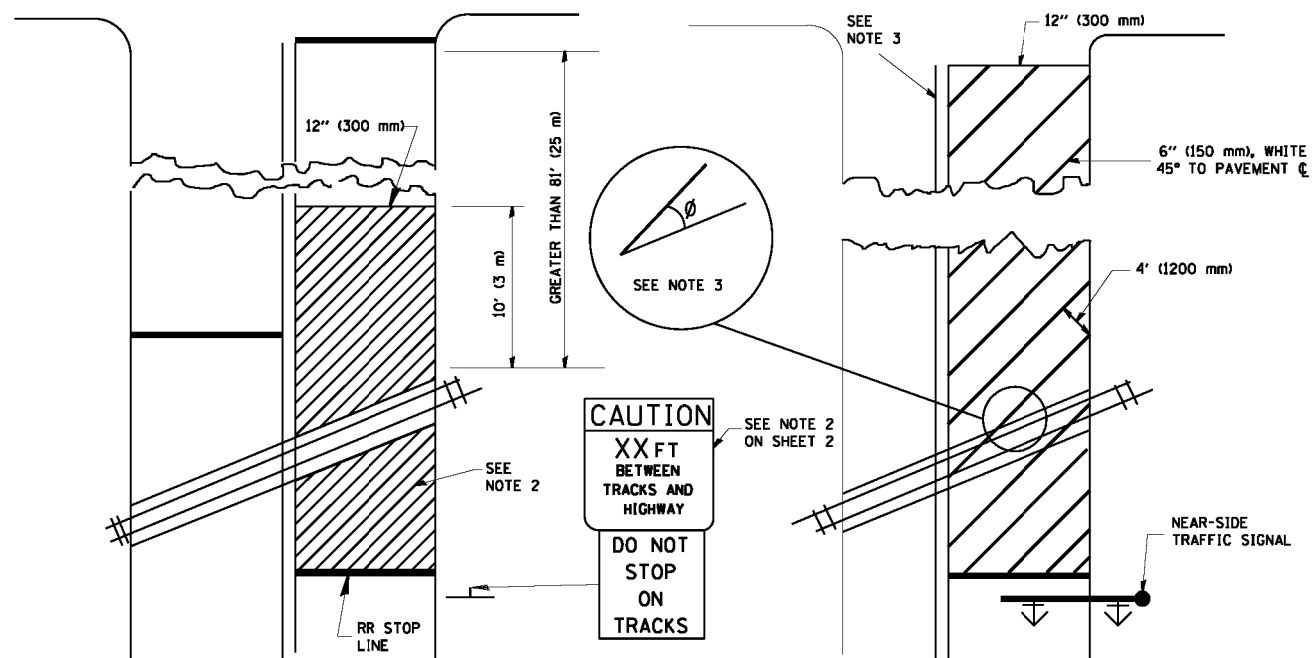
**ARTERIAL ROAD
INFORMATION SIGN**

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

| FALL RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------------------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 638 |
| TC-22 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

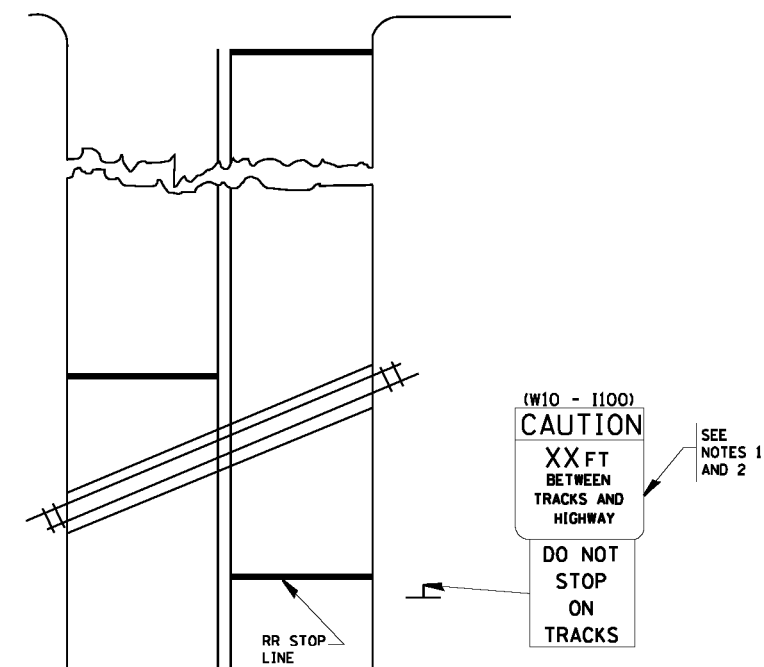
WITH INTERSECTION TRAFFIC SIGNALS

WITH NEAR-SIDE TRAFFIC SIGNALS



WITH NONSIGNALIZED INTERSECTION

81' (25 m) OR LESS TO CLOSEST RAIL



- NOTES:
1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
 2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
 3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (Ø) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

- NOTE:
1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
 2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6- FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

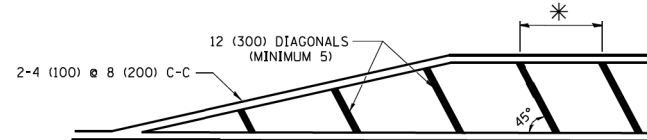
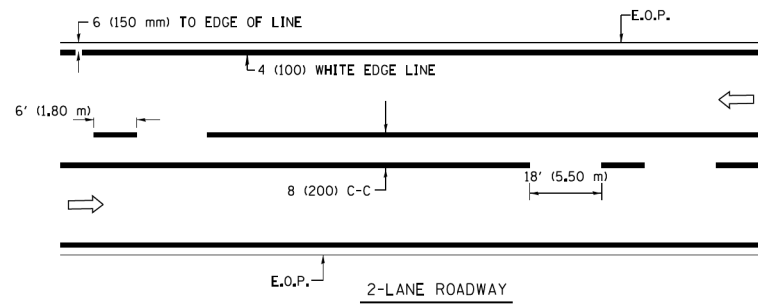
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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| | | DRAWN - | REVISED - |
| | PLDT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - |
| | PLDT DATE = 1/4/2008 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|---------------------------------------------------------------------------------------|-------------------------|------|---------|
| TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

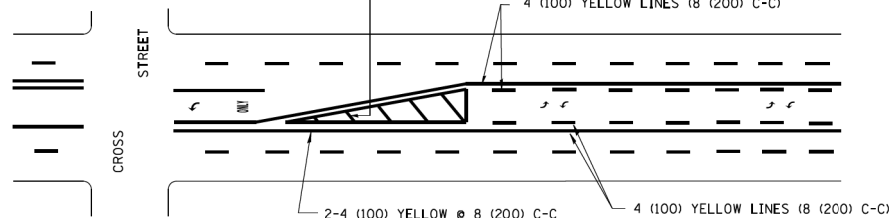
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| FALL RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 639 |
| TC-23 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



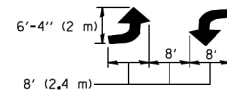
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

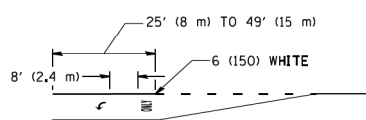
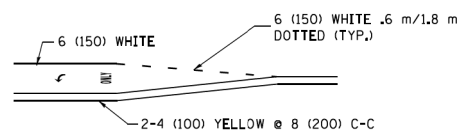


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

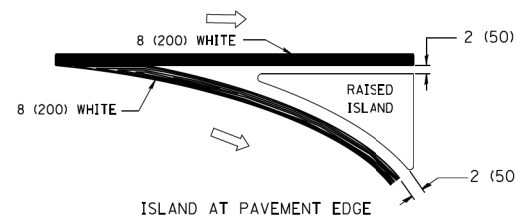
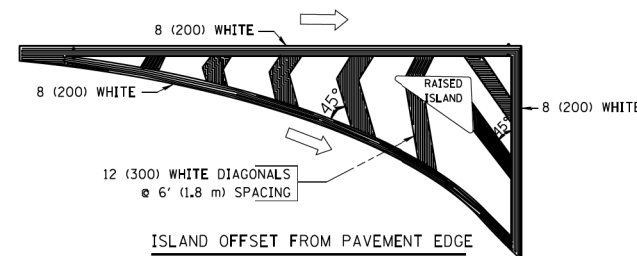
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

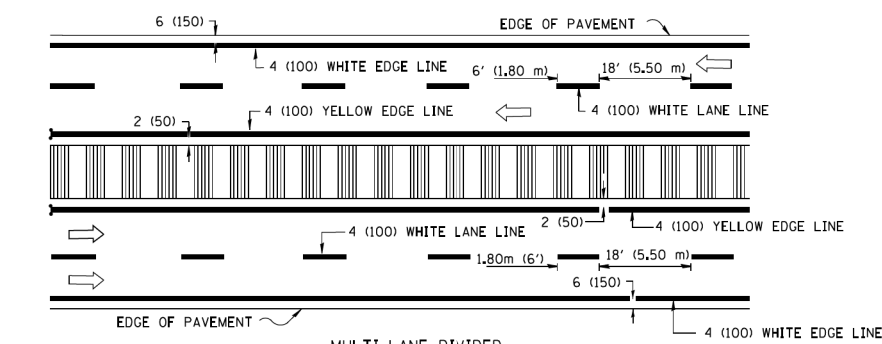
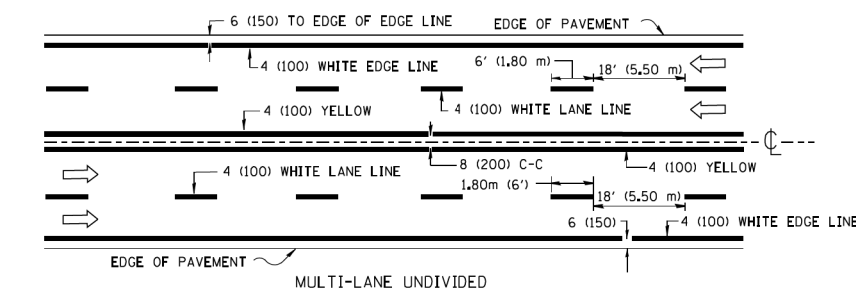


TYPICAL ISLAND MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 6' (1.80 m) LINE WITH 18' (5.50 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 8 (200) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 8 (200) C-C |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 6' (1.80 m) LINE WITH 18' (5.50 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN) | 12 (300) @ 45° 24 (600) @ 90° | SOLID SOLID | WHITE WHITE | 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° | SOLID | YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC | 8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |

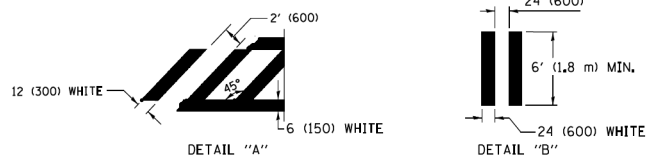
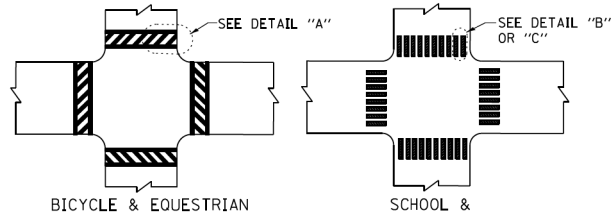
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

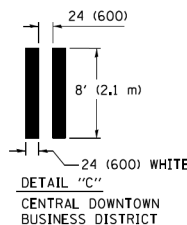


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



| | | | |
|----------------------------------------------|-----------------------------|------------|---------------------------------|
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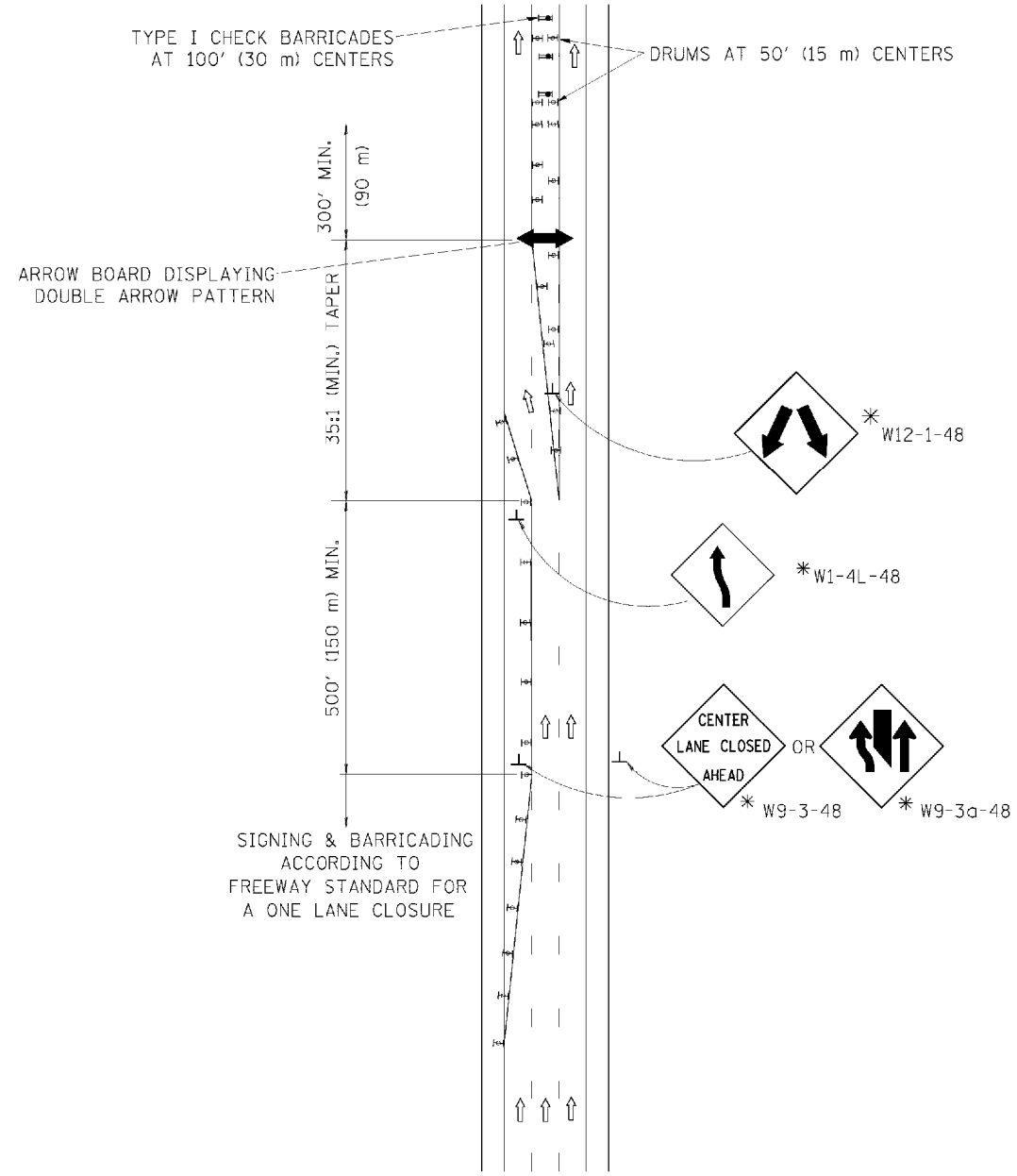
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

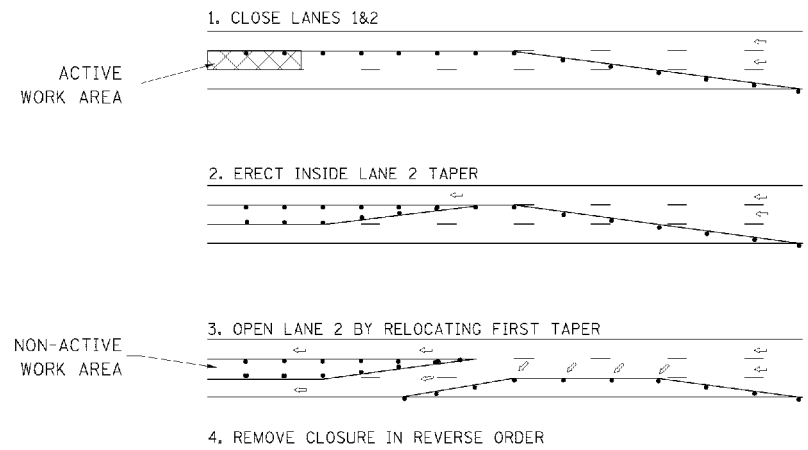
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|-------------------------------------------------|--------------|--------------------|--------------|-----------|
| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 639A |
| TC-24 | | CONTRACT NO. 60N87 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

CENTER LANE CLOSURE



INSTALLATION SEQUENCE

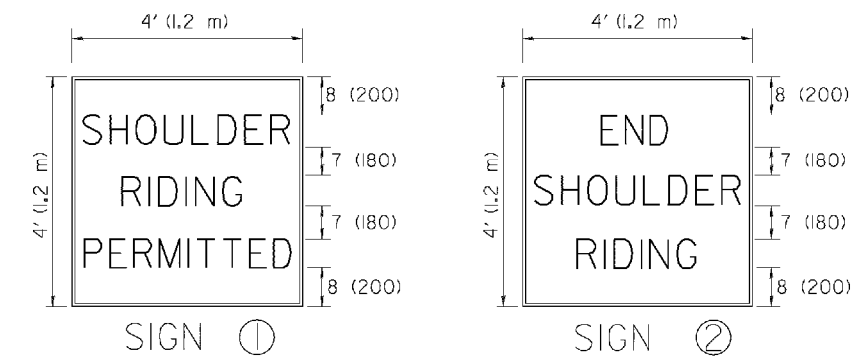
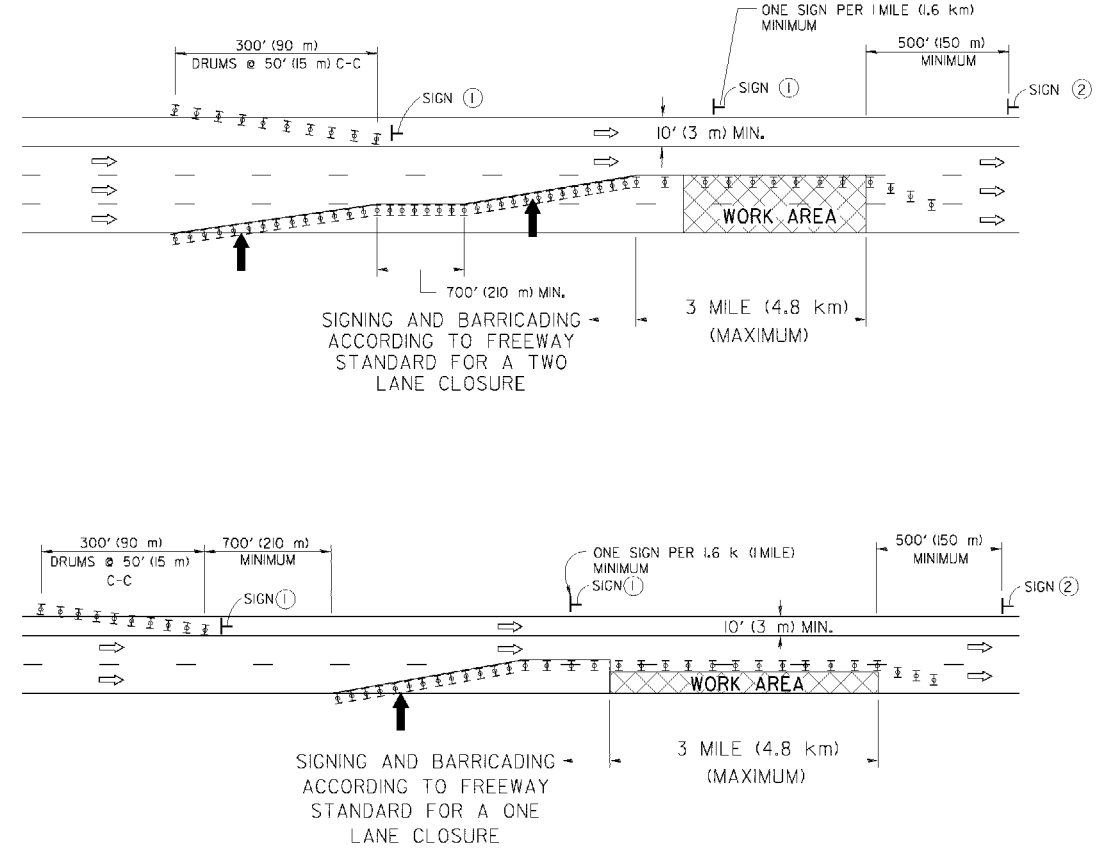


NOTES

1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1(25) BORDER

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➡ ARROWBOARD
- ▣ ACTIVE WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT *
- ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

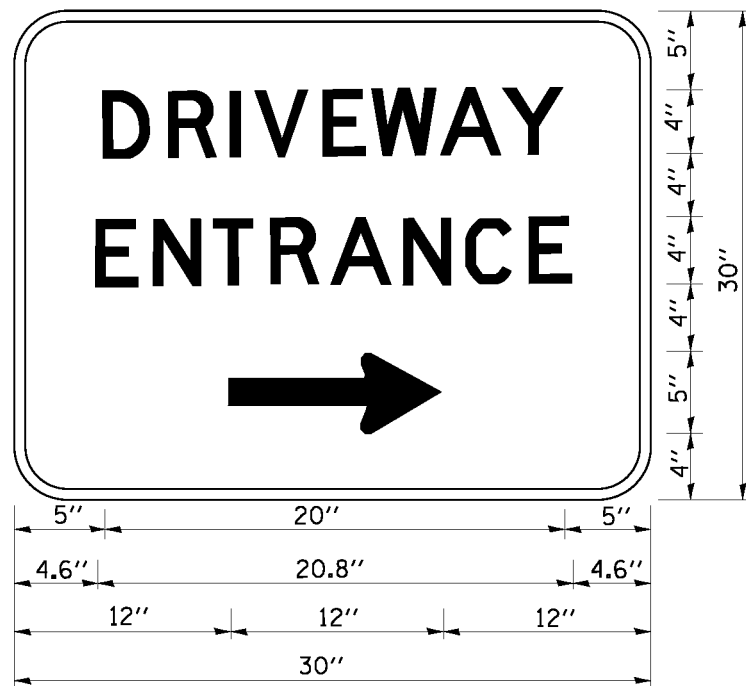
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| | | DRAWN | REVISED | S.P.B. 01-07 |
| | | CHECKED | REVISED | S.P.B. 12-09 |
| | | DATE | REVISED | |
| | | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE

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

| | | | | |
|--------------------------------|----------------------------|------------------|--------------------|----------------|
| F.A.U. RTE. 80 | SECTION 99-4-1VB-1-R TC-25 | COUNTY WILL | TOTAL SHEETS 840 | SHEET NO. 639B |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | CONTRACT NO. 60N87 | |



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

NOTES:

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

FILE NAME =
 W:\diststd\22x34\to26.dgn

USER NAME = gaglianobt

| | |
|------------|------------------------------|
| DESIGNED - | REVISOR - C. JUCIUS 02-15-07 |
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| CHECKED - | REVISION - |
| DATE - | REVISION - |

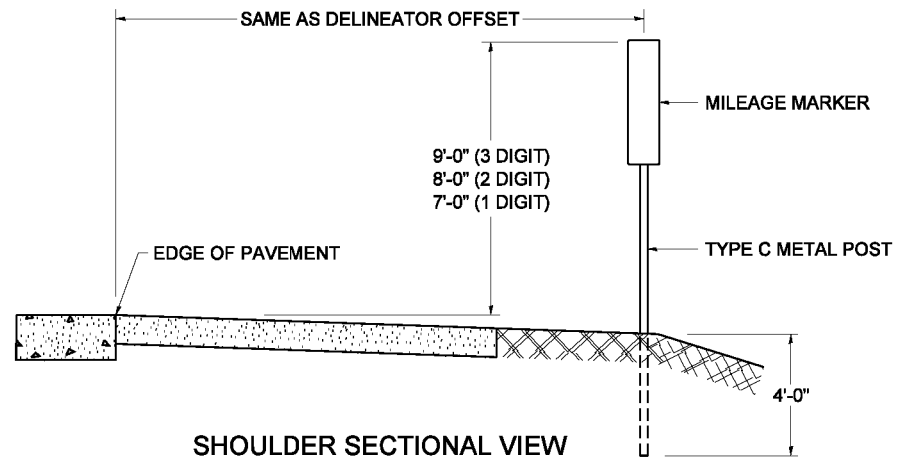
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

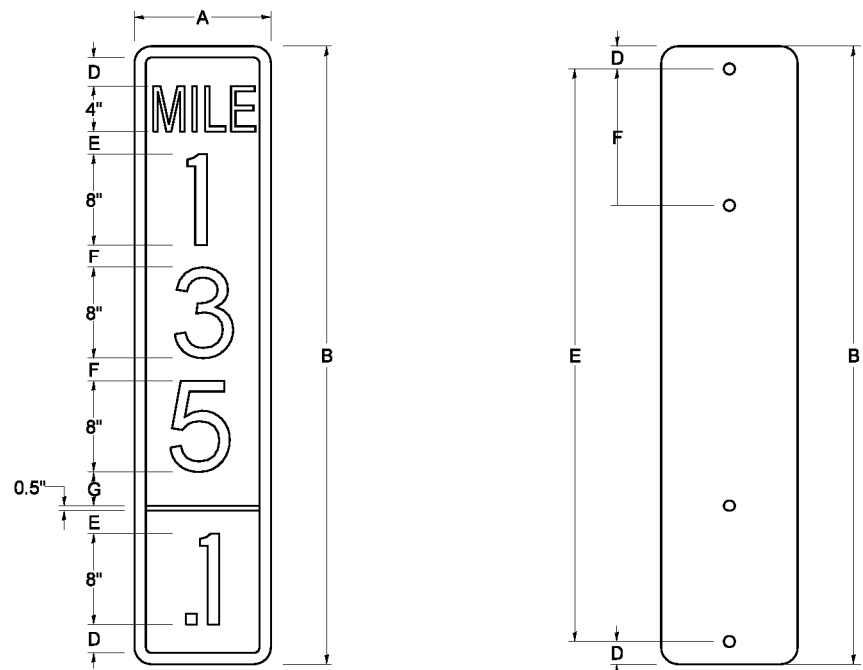
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| FALL RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 640 |
| TC-26 | | | CONTRACT NO. 60N87 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

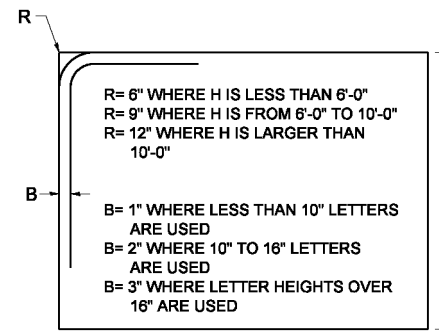


| SIGN SIZE | DIMENSIONS | | | | | | | |
|-----------|------------|------|-----|-----|-----|-----|-----|-------|
| | A | B | C | D | E | F | G | DIGIT |
| 12 x 24 | 12.0 | 24.0 | 1.5 | 1.5 | 1.5 | N/A | 1.5 | 1 |
| 12 x 36 | 12.0 | 36.0 | 1.5 | 2.0 | 2.0 | 2.0 | 1.5 | 2 |
| 12 x 48 | 12.0 | 48.0 | 1.5 | 2.5 | 2.0 | 2.0 | 2.5 | 3 |

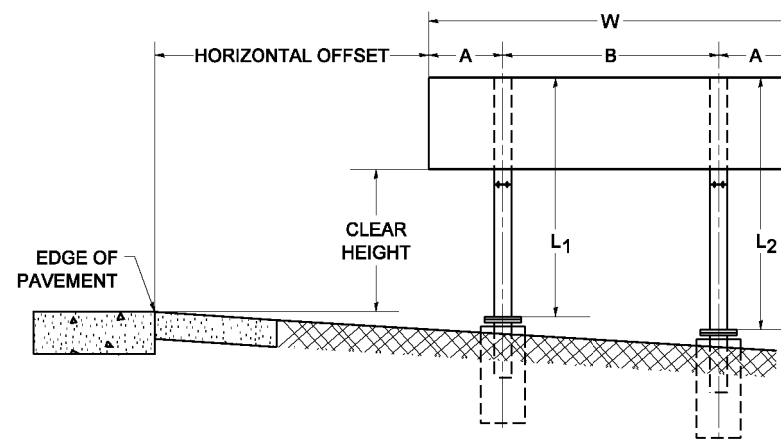
| BLANK | A | B | C | D | E | F |
|---------|------|------|-----|-----|------|------|
| B9-1224 | 12.0 | 24.0 | 1.5 | 2.0 | 20.0 | N/A |
| B9-1236 | 12.0 | 36.0 | 1.5 | 2.0 | 32.0 | 12.0 |
| B9-1248 | 12.0 | 48.0 | 1.5 | 2.0 | 44.0 | 12.0 |

| SIGN SIZE | SERIES | | | | | BORDER | BLANK STD. |
|-----------|--------|----|----|-----|-----|--------|------------|
| | LINES | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | | |
| 12 x 24 | 4C | 8D | 4C | N/A | N/A | 0.5 | B9-1224 |
| 12 x 36 | 4C | 8D | 8D | 4C | N/A | 0.5 | B9-1236 |
| 12 x 48 | 4C | 8D | 8D | 8D | 4C | 0.5 | B9-1248 |

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

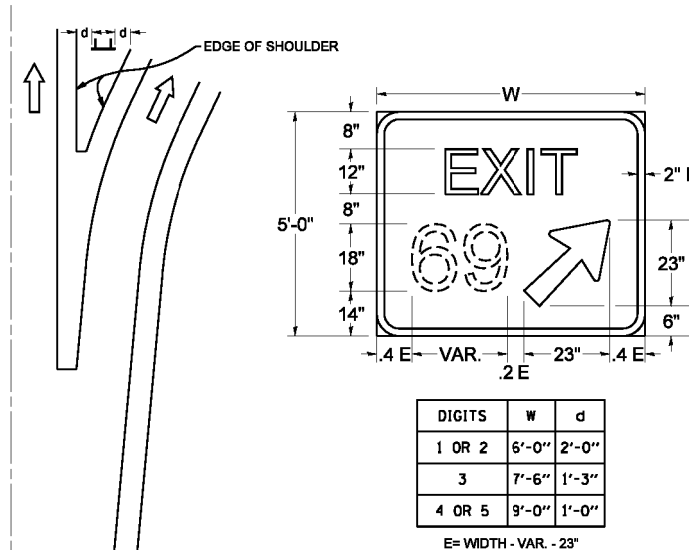


| NUMBER OF STEEL SUPPORTS | A | B |
|--------------------------|--------|-------|
| 2 | .2 W | .6 W |
| 3 | .15 W | .35 W |
| 4 | .125 W | .25 W |
| 5 | .1 W | .2 W |

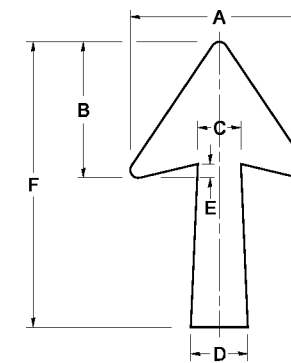
"L1 IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT."

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS."

GORE SIGNS

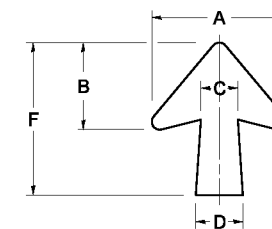


STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



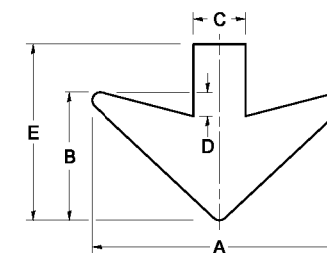
| ARROW SYMBOL | A | B | C | D | E | F | R |
|-----------------|--------|--------|-------|-------|-------|-------|-----|
| 24 1/4 x 15 1/8 | 15 1/8 | 11 1/8 | 3 3/4 | 5 | 1 1/8 | 2 1/4 | 3/8 |
| 29 1/4 x 18 1/4 | 18 1/4 | 14 | 4 1/2 | 6 | 1 1/2 | 2 9/4 | 3/4 |
| 35 5/8 x 22 1/4 | 22 1/4 | 17 | 5 1/8 | 7 1/8 | 1 3/4 | 3 5/8 | 1 |
| 18 1/4 x 11 1/4 | 11 1/4 | 8 3/4 | 3 1/8 | 3 3/8 | | 1 8/4 | |

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS

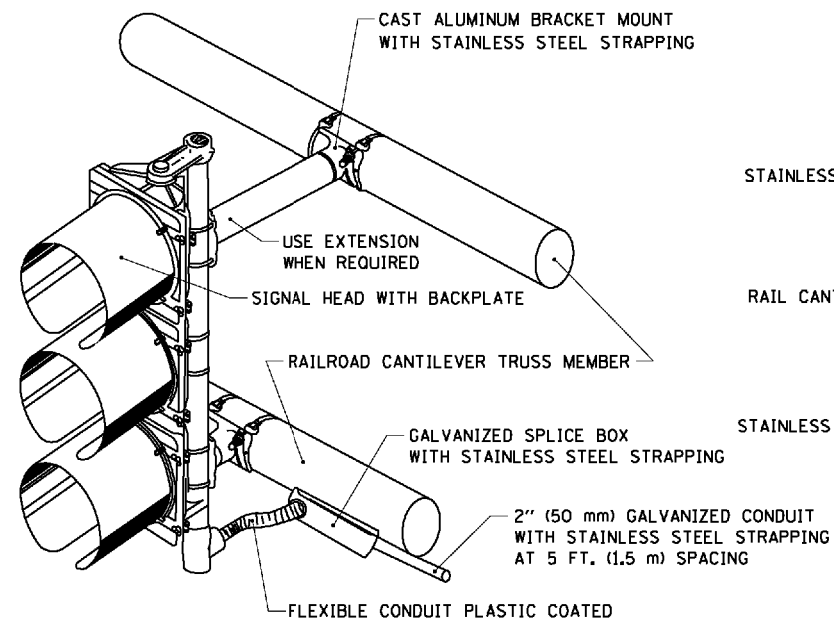


| ARROW SYMBOL | A | B | C | D | E | F | R |
|-----------------|--------|--------|-------|-------|-------|-------|-----|
| 17 1/4 x 14 1/4 | 14 1/4 | 9 3/8 | 3 3/8 | 4 1/2 | 5/8 | 1 7/4 | 3/4 |
| 20 1/4 x 17 1/4 | 17 1/4 | 11 3/4 | 4 3/8 | 5 5/8 | 1 1/2 | 2 0/4 | |
| 25 x 21 1/8 | 21 1/8 | 14 1/4 | 5 | 6 3/4 | 1 3/4 | 25 | 1 |
| 9 3/8 x 8 1/8 | 8 1/8 | 5 1/8 | 2 3/8 | 2 3/8 | | 9 3/8 | 1/2 |

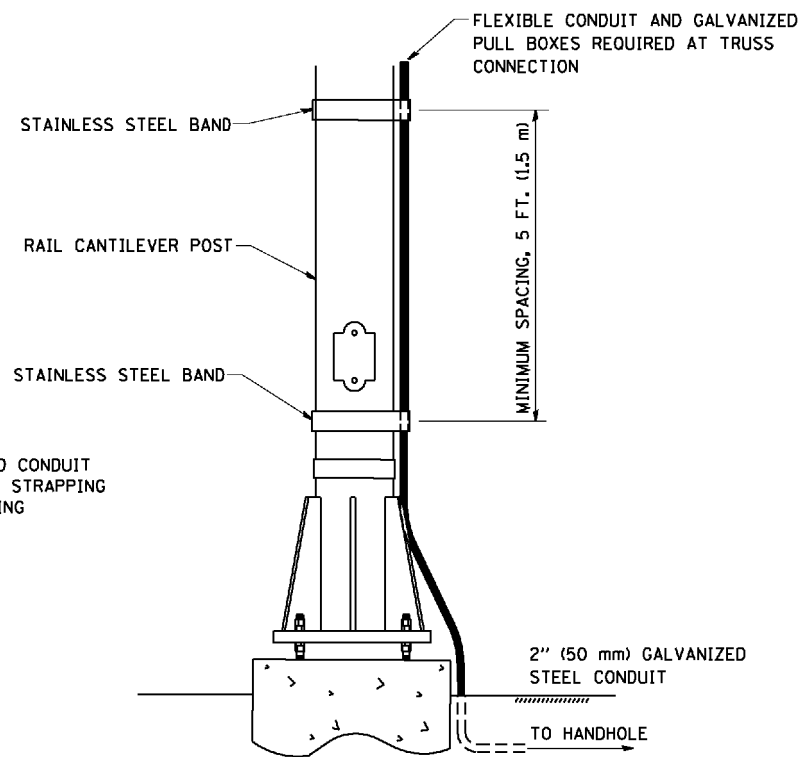
DOWN ARROWS



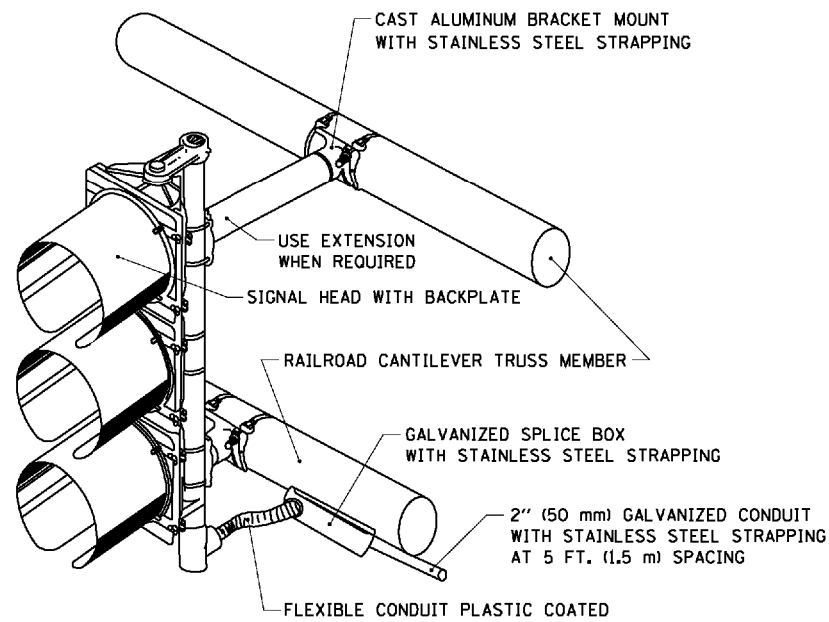
| ARROW SYMBOL | A | B | C | D | E | R |
|--------------|----|----|-------|-------|--------|-----|
| 16 1/2 x 24 | 24 | 12 | 5 | 1 1/2 | 16 1/2 | 3/4 |
| 22 x 32 | 32 | 16 | 6 1/2 | 3 | 22 | 1 |



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

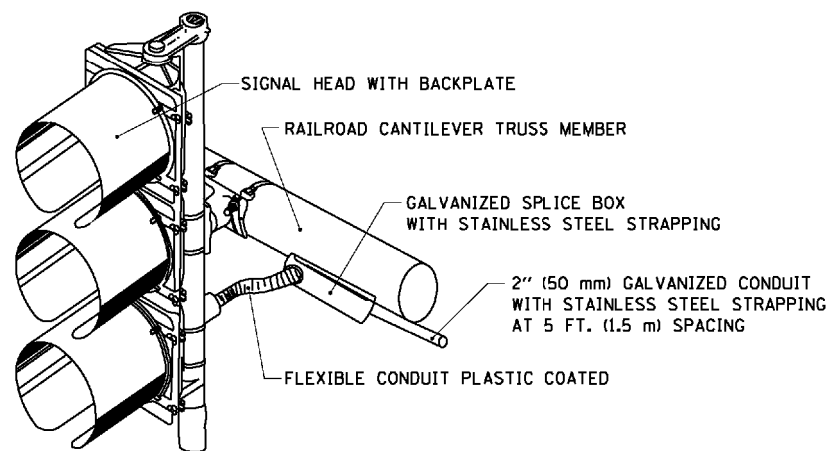


SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL



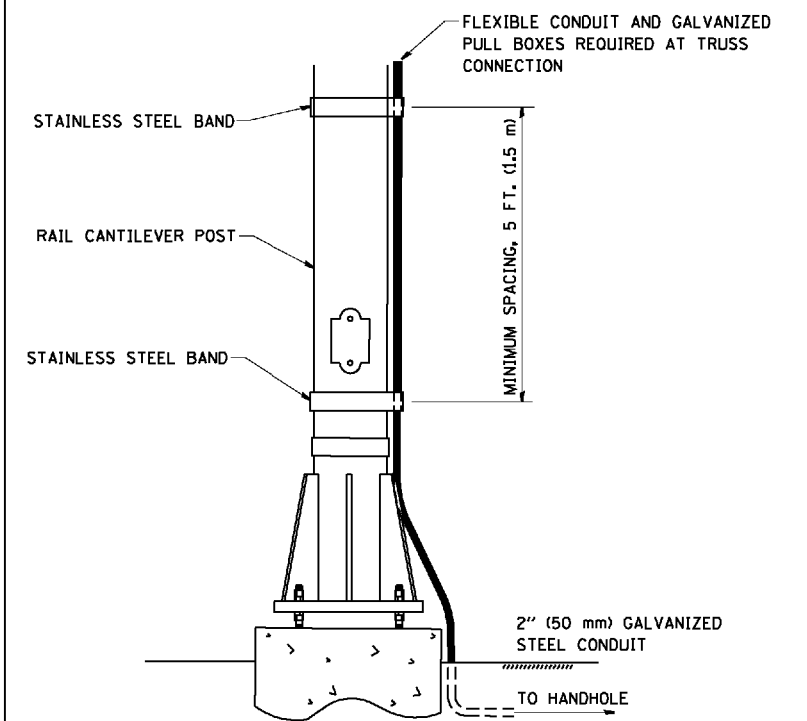
NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

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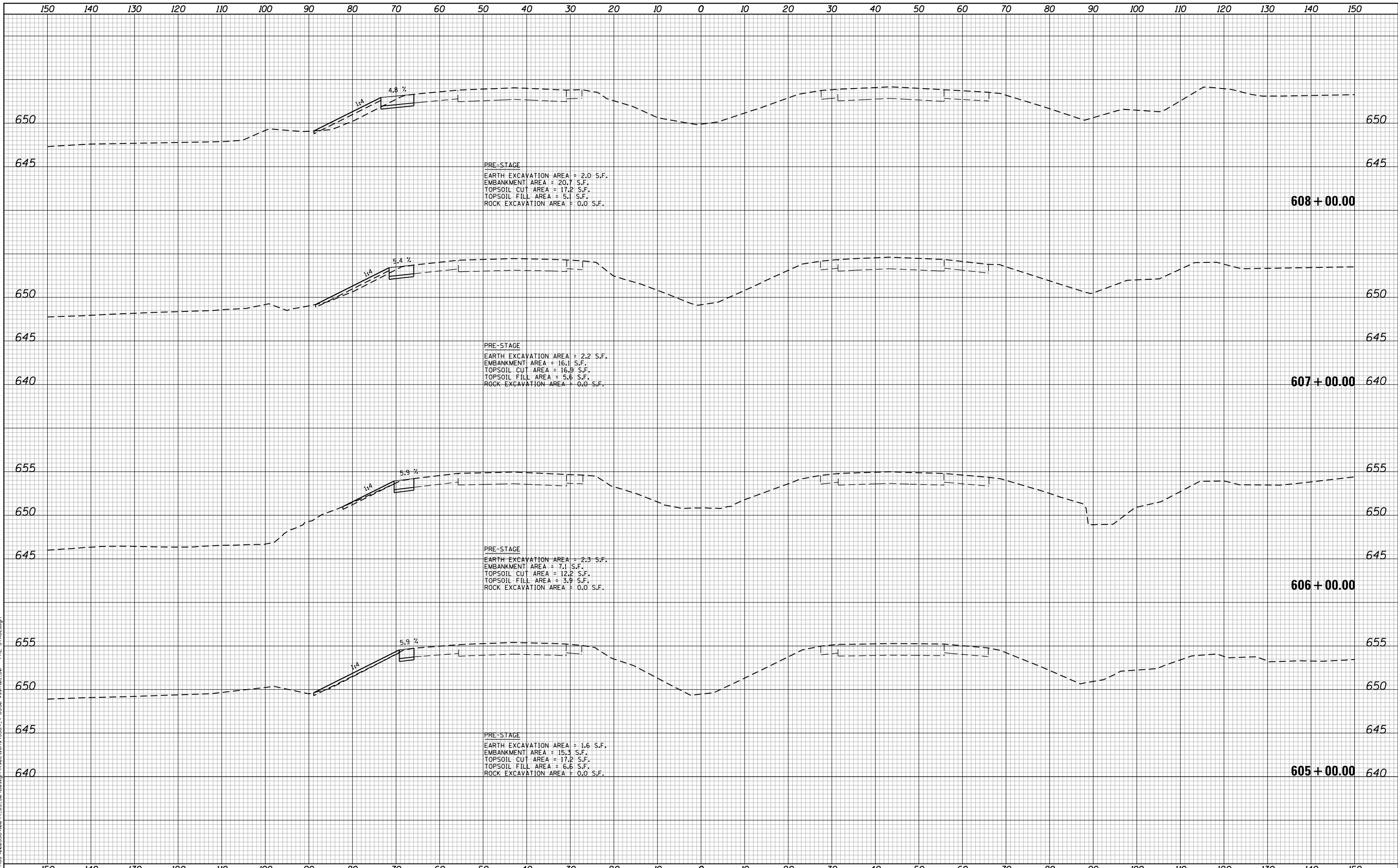
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 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RAILROAD CANTILEVER
 SIGNAL HEAD MOUNTING DETAIL**
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.L. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------------------------------------------|--------------|---------------------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 642 |
| TS-06 | | CONTRACT NO. | 60N87 | |
| <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small> | | | | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

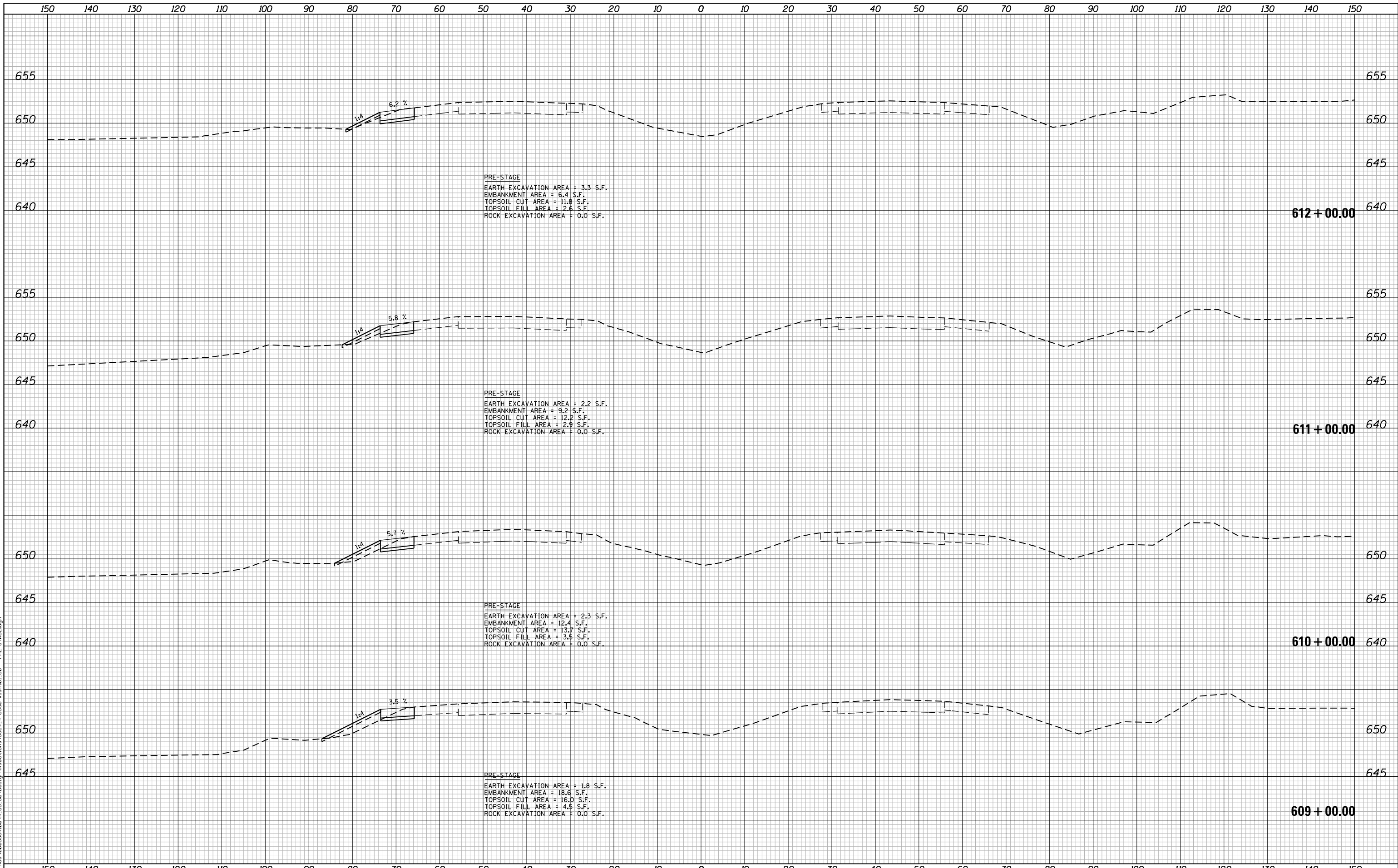
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| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 605+00.00 TO STA. 608+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 643 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

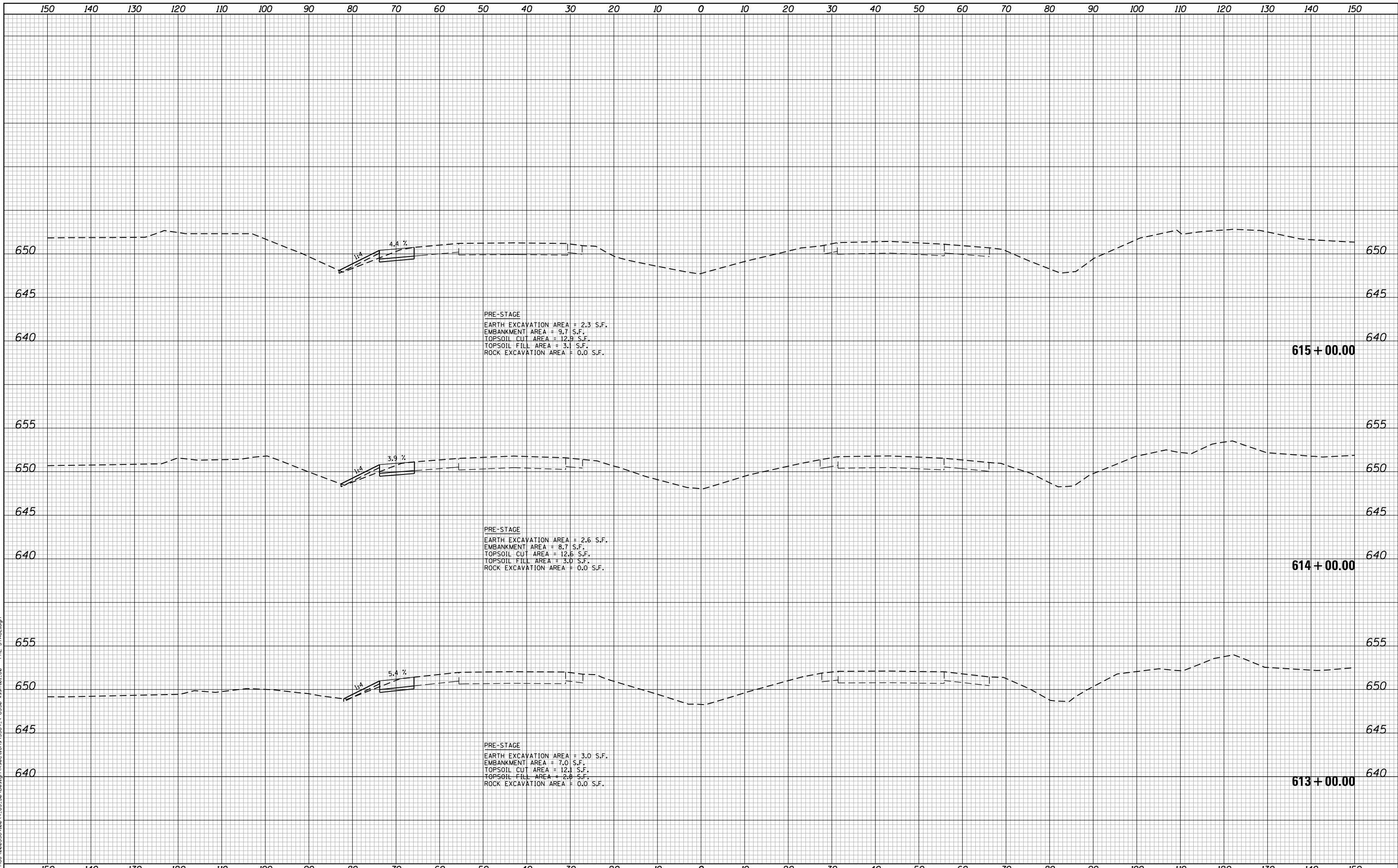
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. ■ TO STA. 612+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 644 |
| CONTRACT NO. 60N87 | | | | |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

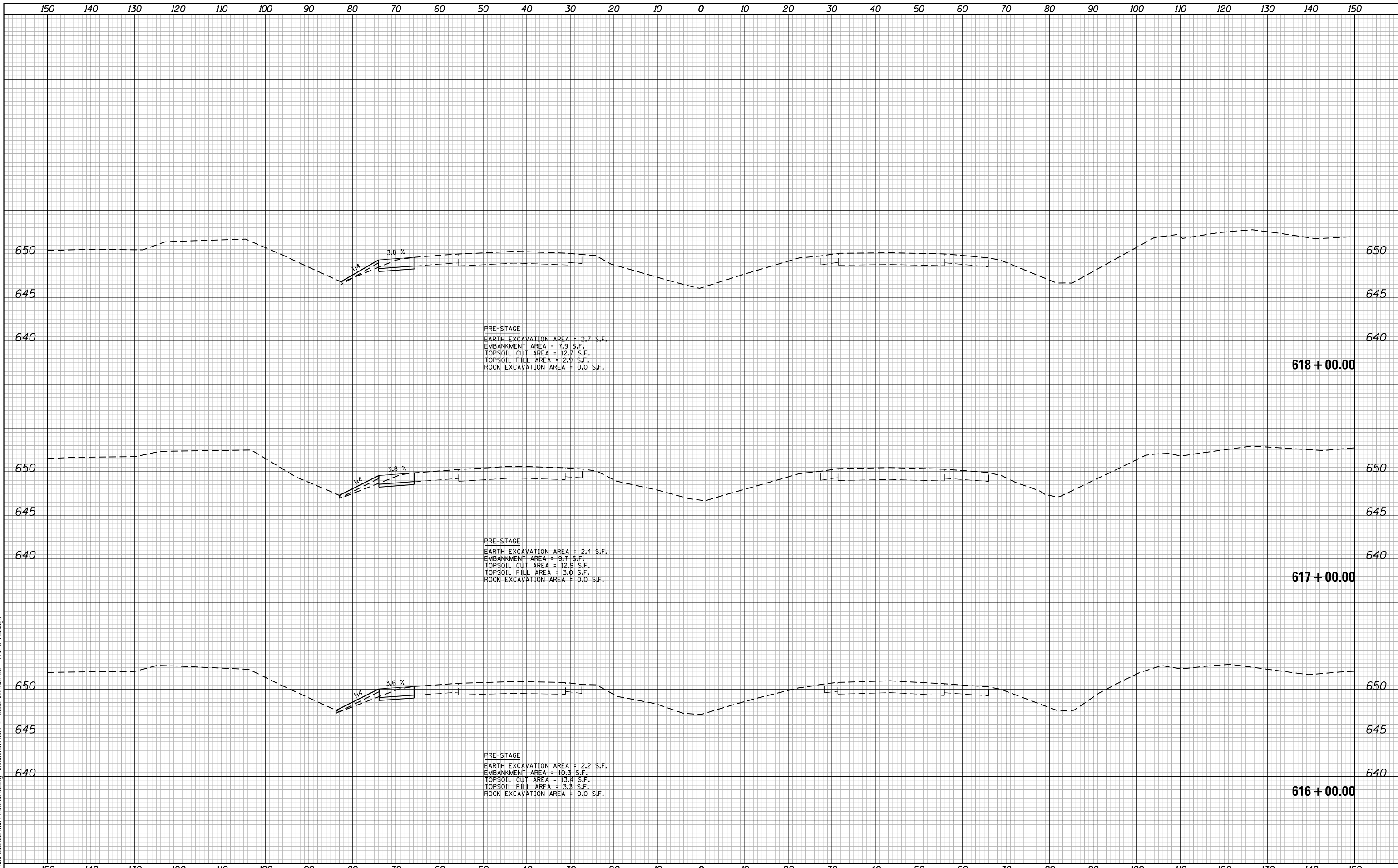
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 613+00.00 TO STA. 615+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 645 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

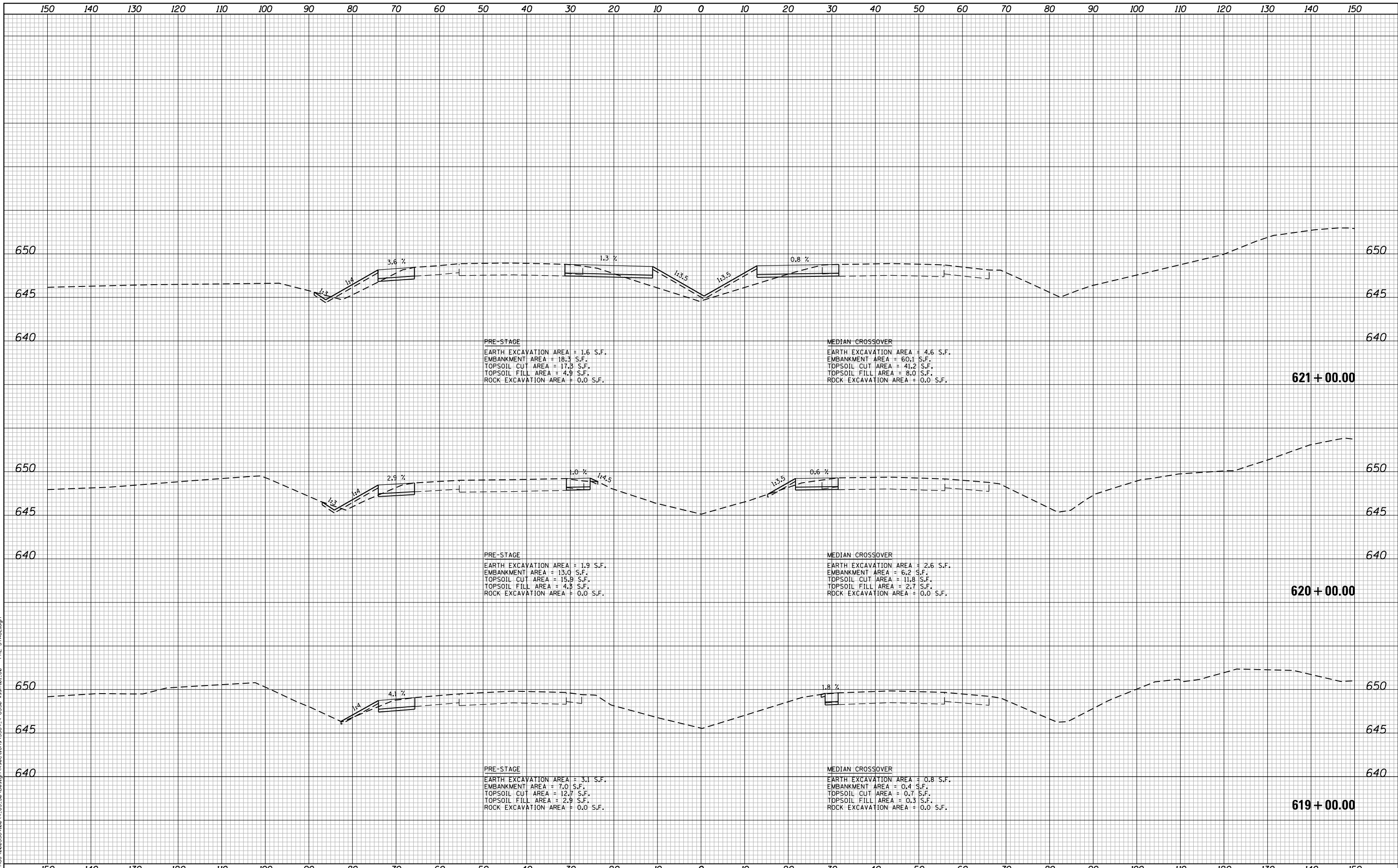
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 616+00.00 TO STA. 618+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 646 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
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 Tel. 773.775.4009 Fax 773.775.4014

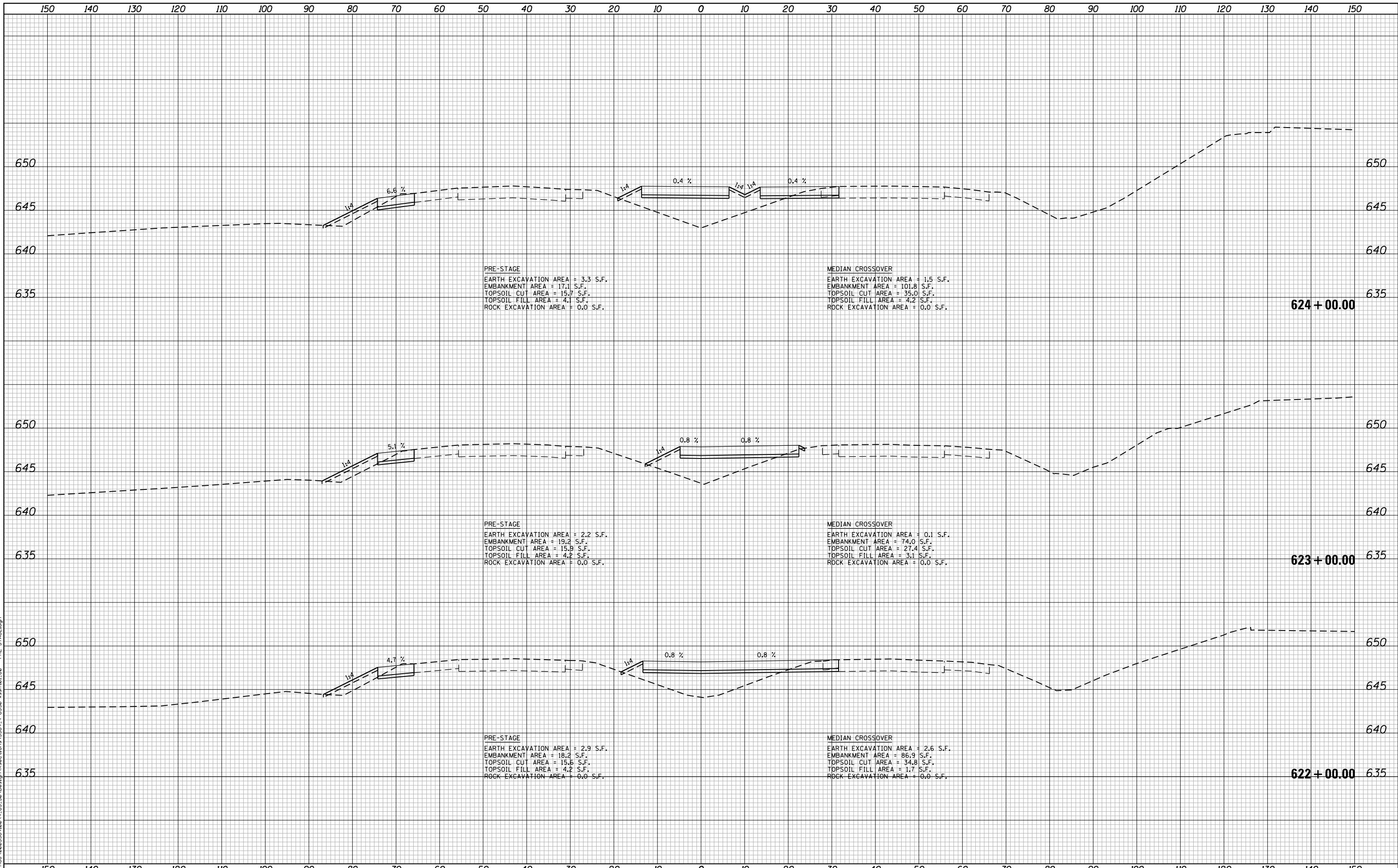
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80**

SCALE: SHEET NO. OF SHEETS STA. 619+00.00 TO STA. 621+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 647 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



PRE-STAGE
 EARTH EXCAVATION AREA = 3.3 S.F.
 EMBANKMENT AREA = 17.1 S.F.
 TOPSOIL CUT AREA = 15.7 S.F.
 TOPSOIL FILL AREA = 4.1 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 1.5 S.F.
 EMBANKMENT AREA = 101.8 S.F.
 TOPSOIL CUT AREA = 35.0 S.F.
 TOPSOIL FILL AREA = 4.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

PRE-STAGE
 EARTH EXCAVATION AREA = 2.2 S.F.
 EMBANKMENT AREA = 19.2 S.F.
 TOPSOIL CUT AREA = 15.9 S.F.
 TOPSOIL FILL AREA = 4.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 0.1 S.F.
 EMBANKMENT AREA = 74.0 S.F.
 TOPSOIL CUT AREA = 27.4 S.F.
 TOPSOIL FILL AREA = 3.1 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

PRE-STAGE
 EARTH EXCAVATION AREA = 2.9 S.F.
 EMBANKMENT AREA = 18.2 S.F.
 TOPSOIL CUT AREA = 15.6 S.F.
 TOPSOIL FILL AREA = 4.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 2.6 S.F.
 EMBANKMENT AREA = 86.9 S.F.
 TOPSOIL CUT AREA = 34.8 S.F.
 TOPSOIL FILL AREA = 1.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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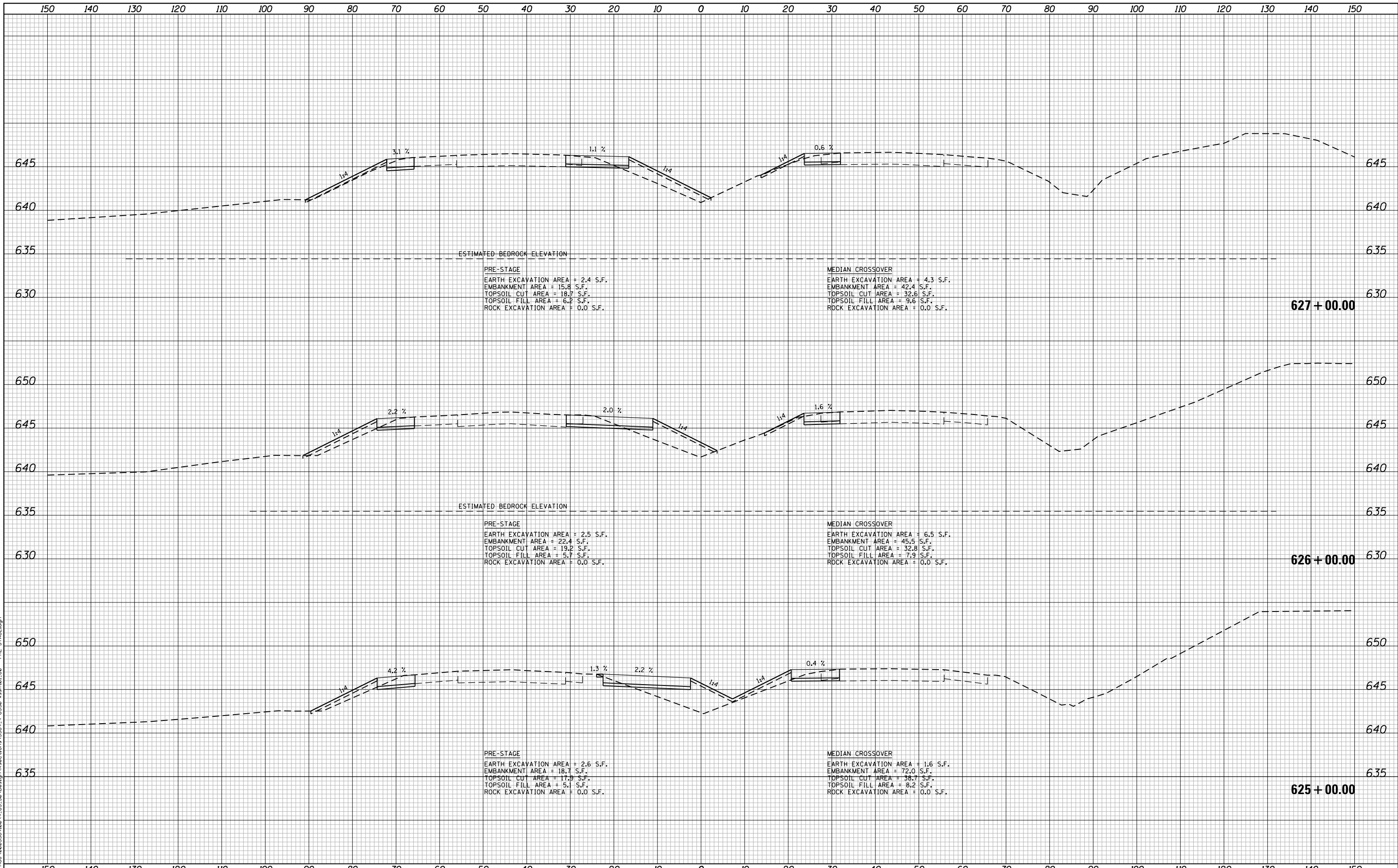
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 622+00.00 TO STA. 624+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 648 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.4 S.F.
 EMBANKMENT AREA = 15.8 S.F.
 TOPSOIL CUT AREA = 18.7 S.F.
 TOPSOIL FILL AREA = 6.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 4.3 S.F.
 EMBANKMENT AREA = 42.4 S.F.
 TOPSOIL CUT AREA = 32.6 S.F.
 TOPSOIL FILL AREA = 9.6 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 22.4 S.F.
 TOPSOIL CUT AREA = 19.2 S.F.
 TOPSOIL FILL AREA = 5.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 6.5 S.F.
 EMBANKMENT AREA = 45.5 S.F.
 TOPSOIL CUT AREA = 32.8 S.F.
 TOPSOIL FILL AREA = 7.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

PRE-STAGE
 EARTH EXCAVATION AREA = 2.6 S.F.
 EMBANKMENT AREA = 18.7 S.F.
 TOPSOIL CUT AREA = 17.3 S.F.
 TOPSOIL FILL AREA = 5.1 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 1.6 S.F.
 EMBANKMENT AREA = 72.0 S.F.
 TOPSOIL CUT AREA = 38.7 S.F.
 TOPSOIL FILL AREA = 8.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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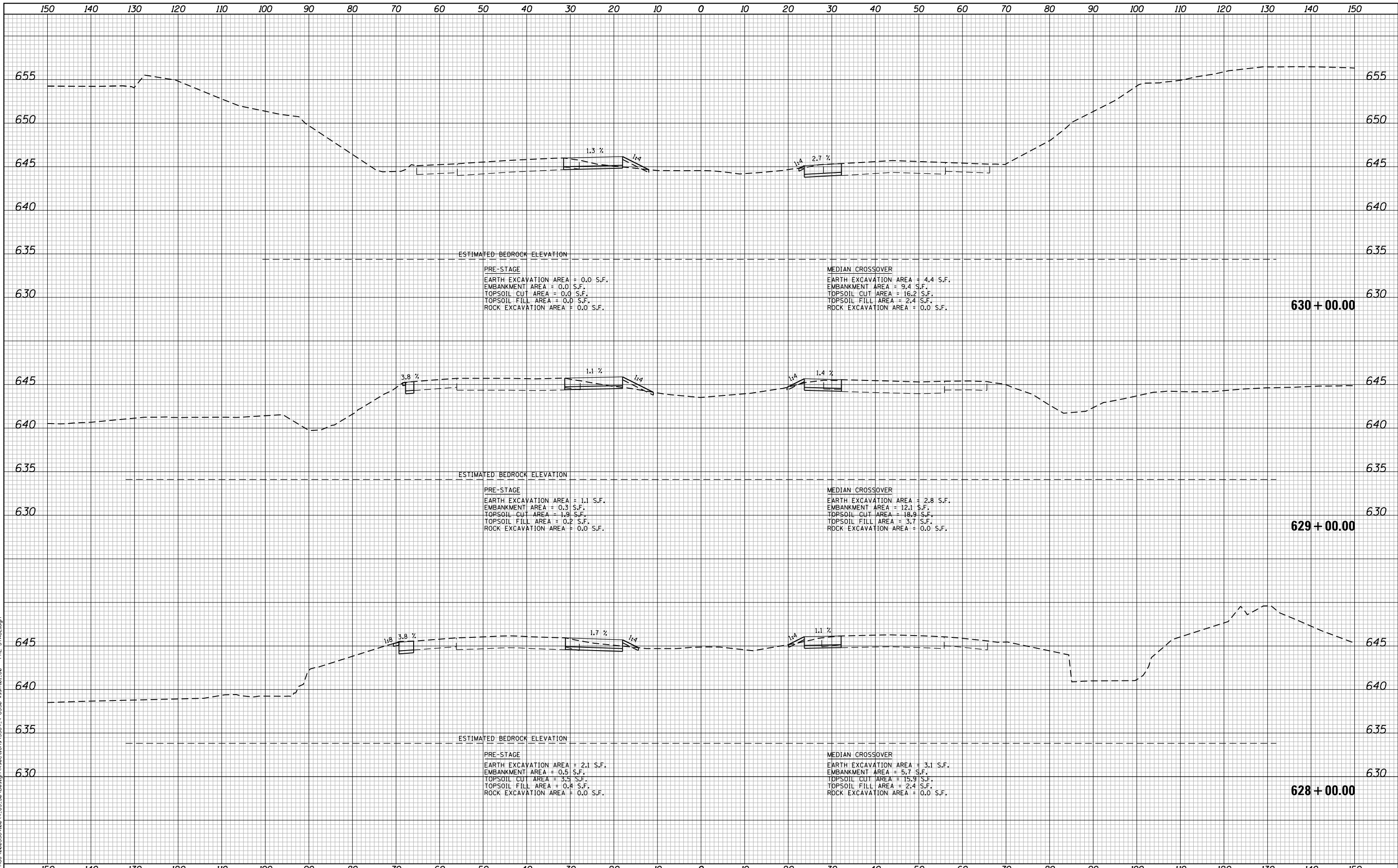
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 625+00.00 TO STA. 627+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-----------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 649 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |



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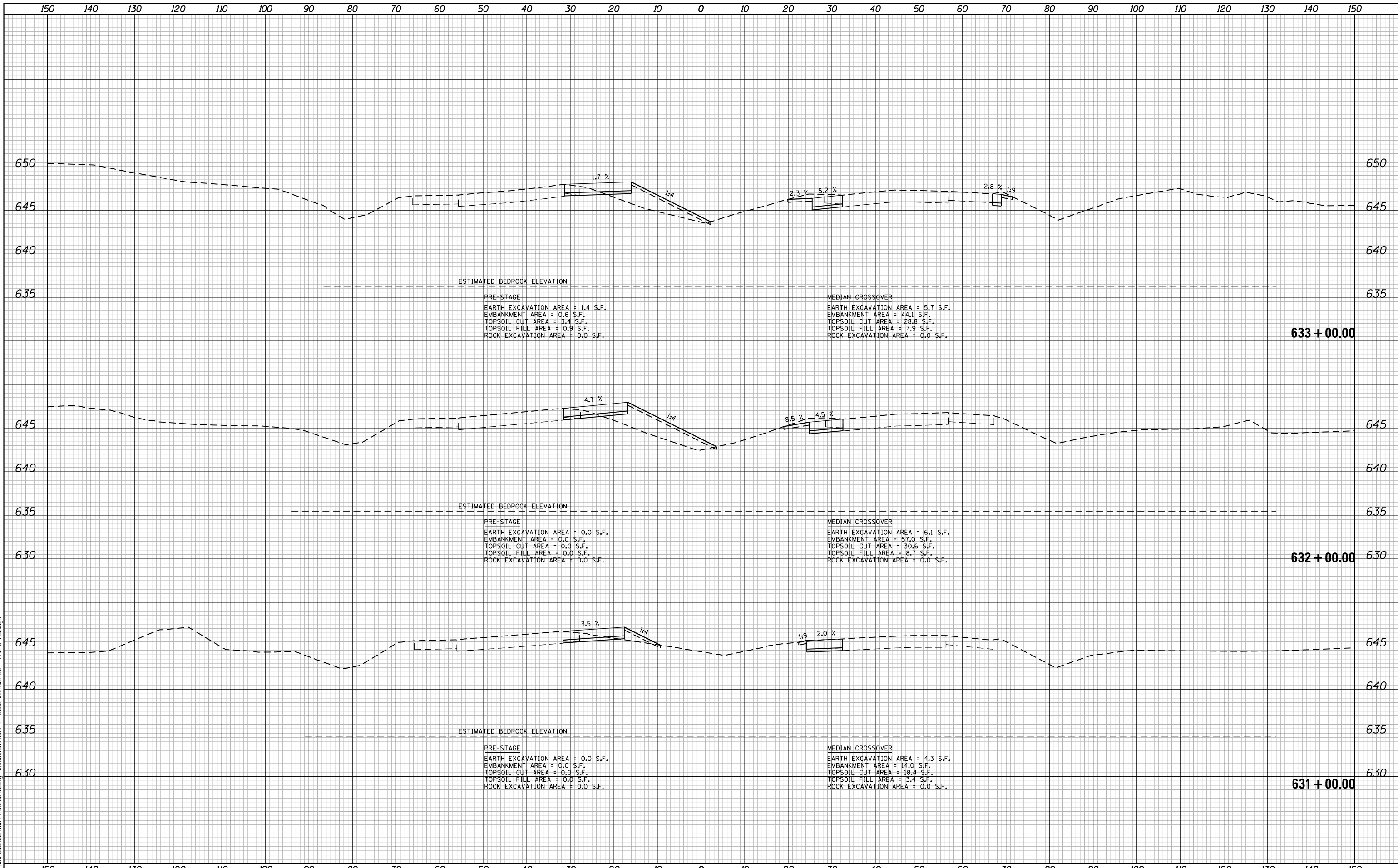
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 628+00.00 TO STA. 630+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-----------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 650 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 1.4 S.F.
 EMBANKMENT AREA = 0.6 S.F.
 TOPSOIL CUT AREA = 3.4 S.F.
 TOPSOIL FILL AREA = 0.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 5.7 S.F.
 EMBANKMENT AREA = 44.1 S.F.
 TOPSOIL CUT AREA = 28.8 S.F.
 TOPSOIL FILL AREA = 7.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

633 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 0.0 S.F.
 TOPSOIL CUT AREA = 0.0 S.F.
 TOPSOIL FILL AREA = 0.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 6.1 S.F.
 EMBANKMENT AREA = 57.0 S.F.
 TOPSOIL CUT AREA = 30.6 S.F.
 TOPSOIL FILL AREA = 8.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

632 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 0.0 S.F.
 TOPSOIL CUT AREA = 0.0 S.F.
 TOPSOIL FILL AREA = 0.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 4.3 S.F.
 EMBANKMENT AREA = 14.0 S.F.
 TOPSOIL CUT AREA = 18.4 S.F.
 TOPSOIL FILL AREA = 3.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

631 + 00.00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80

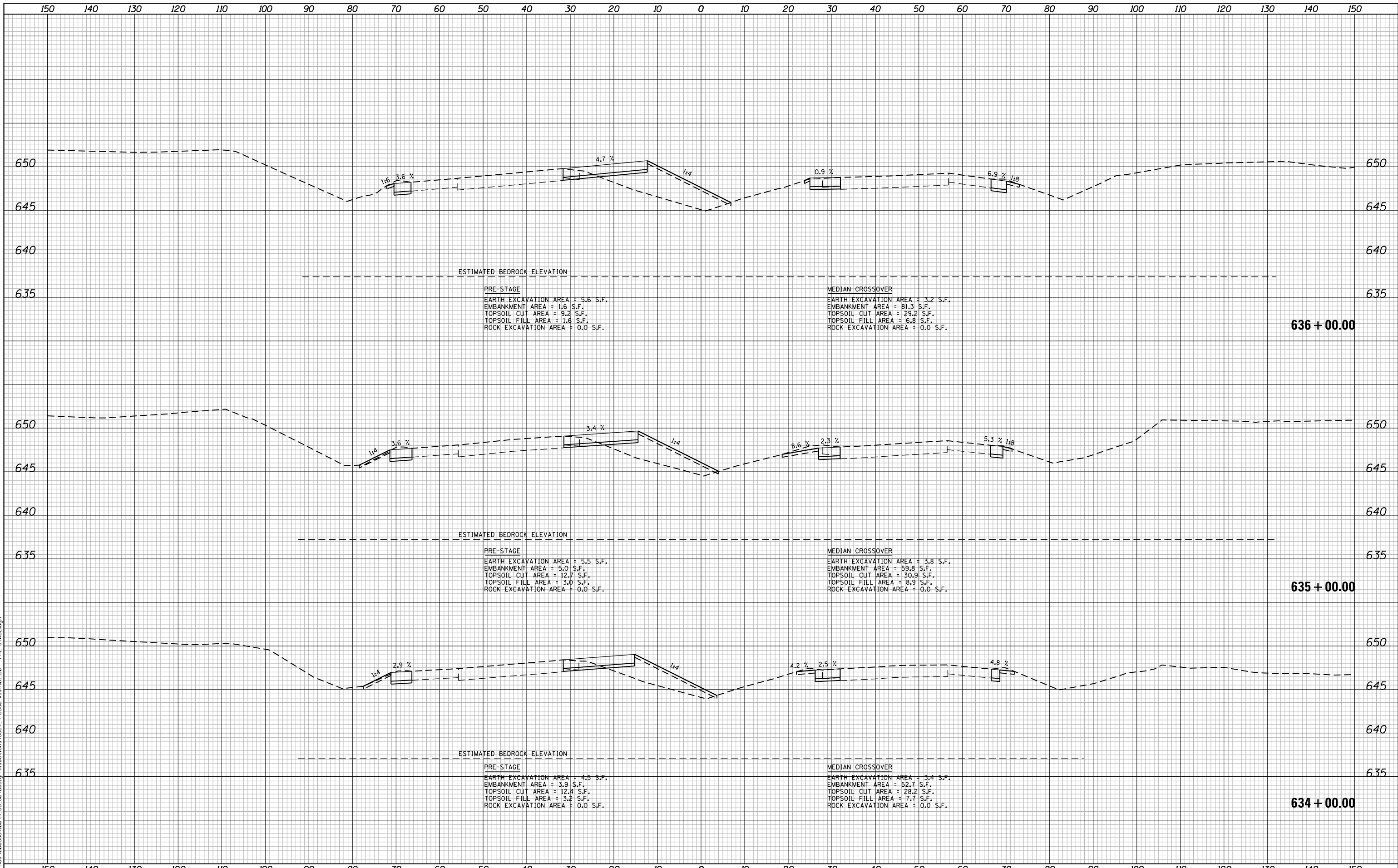
SCALE: SHEET NO. OF SHEETS STA. 631+00.00 TO STA. 633+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 651 |
| CONTRACT NO. 60N87 | | | | |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |

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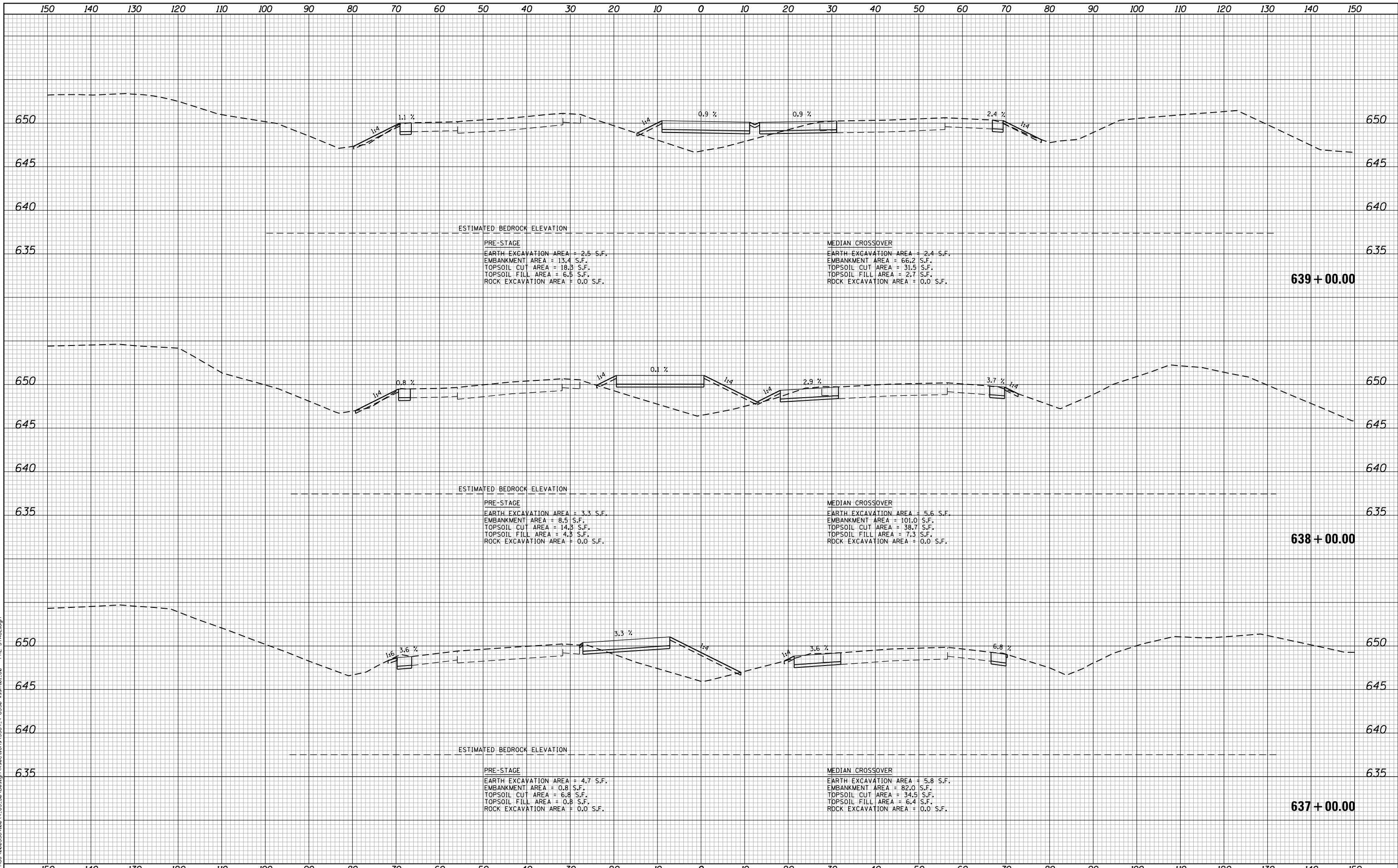
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| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 634+00.00 TO STA. 636+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 652 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 13.4 S.F.
 TOPSOIL CUT AREA = 18.3 S.F.
 TOPSOIL FILL AREA = 6.5 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 2.4 S.F.
 EMBANKMENT AREA = 66.2 S.F.
 TOPSOIL CUT AREA = 31.5 S.F.
 TOPSOIL FILL AREA = 2.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

639 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 3.3 S.F.
 EMBANKMENT AREA = 8.5 S.F.
 TOPSOIL CUT AREA = 14.3 S.F.
 TOPSOIL FILL AREA = 4.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 5.6 S.F.
 EMBANKMENT AREA = 101.0 S.F.
 TOPSOIL CUT AREA = 38.7 S.F.
 TOPSOIL FILL AREA = 7.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

638 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 4.7 S.F.
 EMBANKMENT AREA = 0.8 S.F.
 TOPSOIL CUT AREA = 6.8 S.F.
 TOPSOIL FILL AREA = 0.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 5.8 S.F.
 EMBANKMENT AREA = 82.0 S.F.
 TOPSOIL CUT AREA = 34.5 S.F.
 TOPSOIL FILL AREA = 6.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

637 + 00.00

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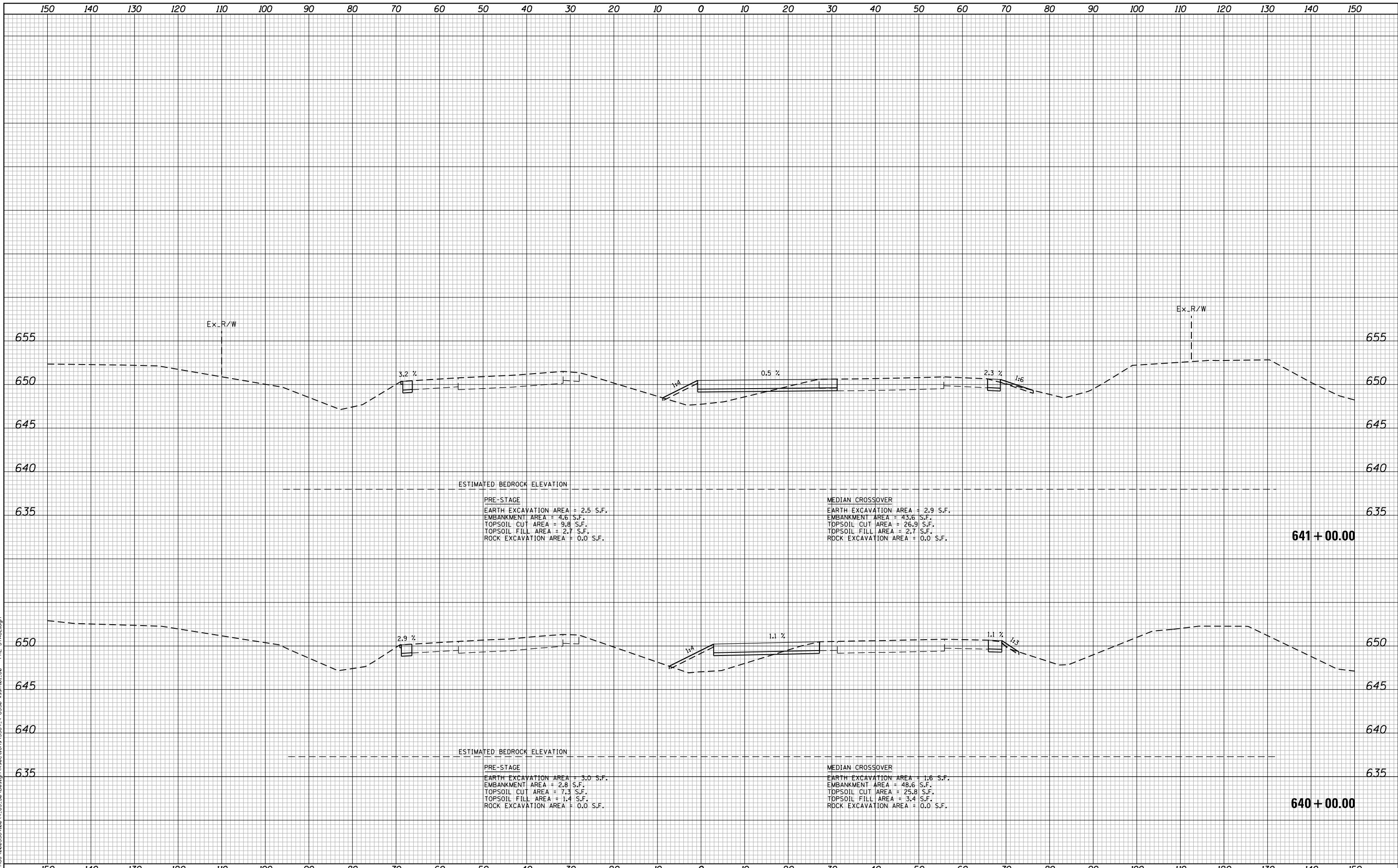
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 637+00.00 TO STA. 639+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 653 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 4.6 S.F.
 TOPSOIL CUT AREA = 9.8 S.F.
 TOPSOIL FILL AREA = 2.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 2.9 S.F.
 EMBANKMENT AREA = 43.6 S.F.
 TOPSOIL CUT AREA = 26.9 S.F.
 TOPSOIL FILL AREA = 2.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

641 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 3.0 S.F.
 EMBANKMENT AREA = 2.8 S.F.
 TOPSOIL CUT AREA = 7.3 S.F.
 TOPSOIL FILL AREA = 1.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 1.6 S.F.
 EMBANKMENT AREA = 48.6 S.F.
 TOPSOIL CUT AREA = 25.8 S.F.
 TOPSOIL FILL AREA = 3.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

640 + 00.00

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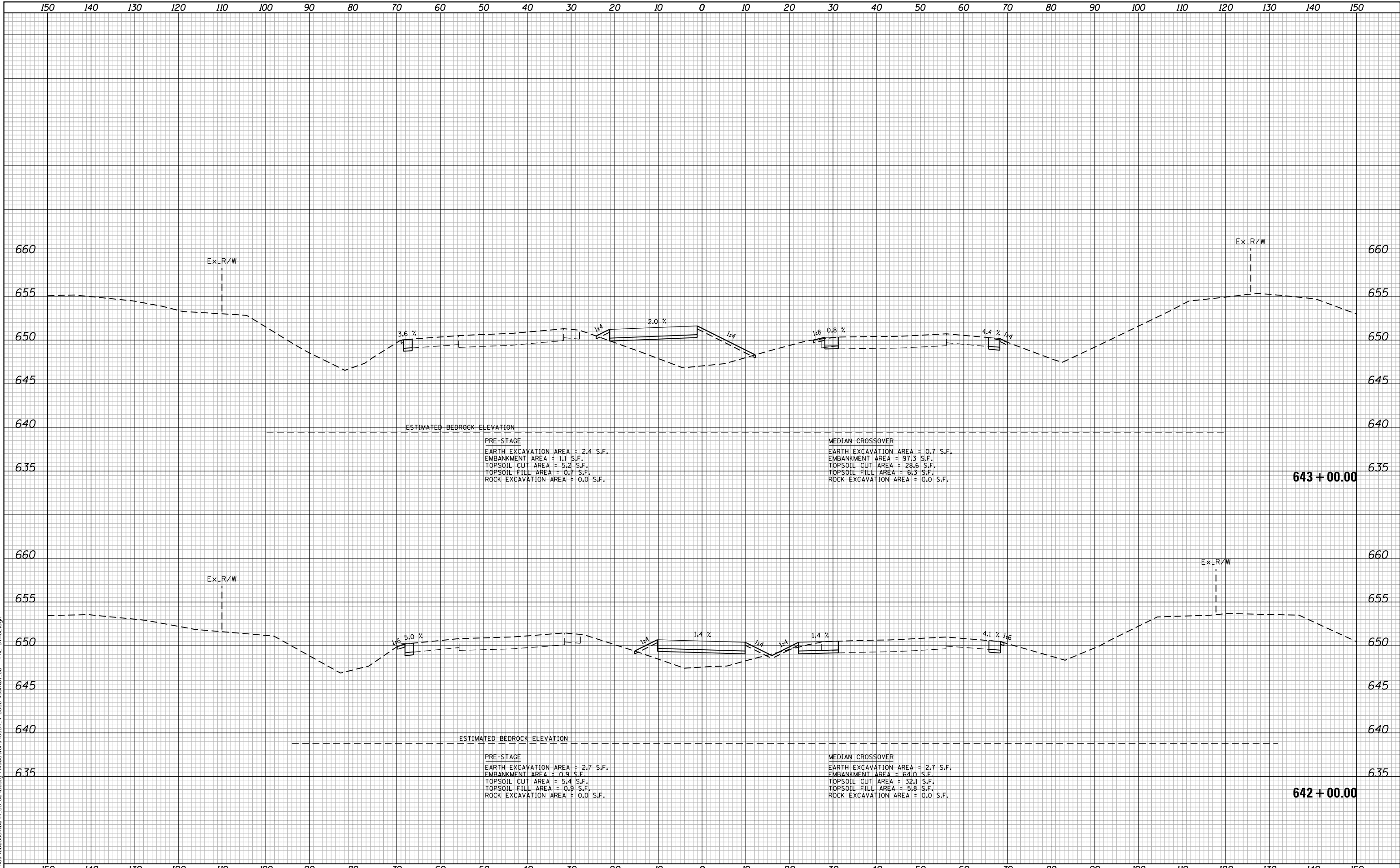
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 640+00.00 TO STA. 641+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 654 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



PRE-STAGE
 EARTH EXCAVATION AREA = 2.4 S.F.
 EMBANKMENT AREA = 1.1 S.F.
 TOPSOIL CUT AREA = 5.2 S.F.
 TOPSOIL FILL AREA = 0.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 0.7 S.F.
 EMBANKMENT AREA = 97.3 S.F.
 TOPSOIL CUT AREA = 28.6 S.F.
 TOPSOIL FILL AREA = 6.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

643 + 00.00

PRE-STAGE
 EARTH EXCAVATION AREA = 2.7 S.F.
 EMBANKMENT AREA = 0.9 S.F.
 TOPSOIL CUT AREA = 5.4 S.F.
 TOPSOIL FILL AREA = 0.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

MEDIAN CROSSOVER
 EARTH EXCAVATION AREA = 2.7 S.F.
 EMBANKMENT AREA = 64.0 S.F.
 TOPSOIL CUT AREA = 32.1 S.F.
 TOPSOIL FILL AREA = 5.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

642 + 00.00

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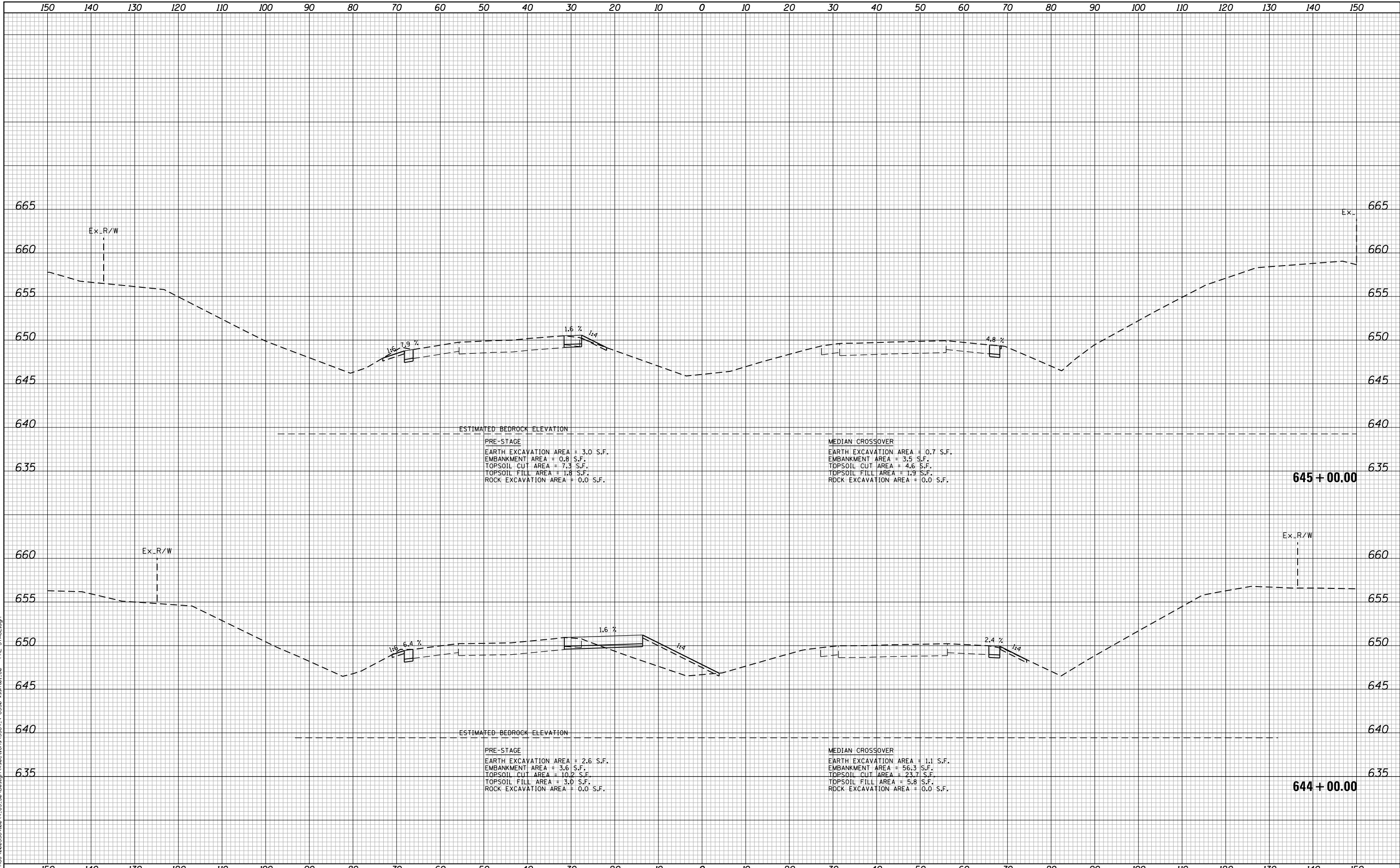
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| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 642+00.00 TO STA. 643+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 655 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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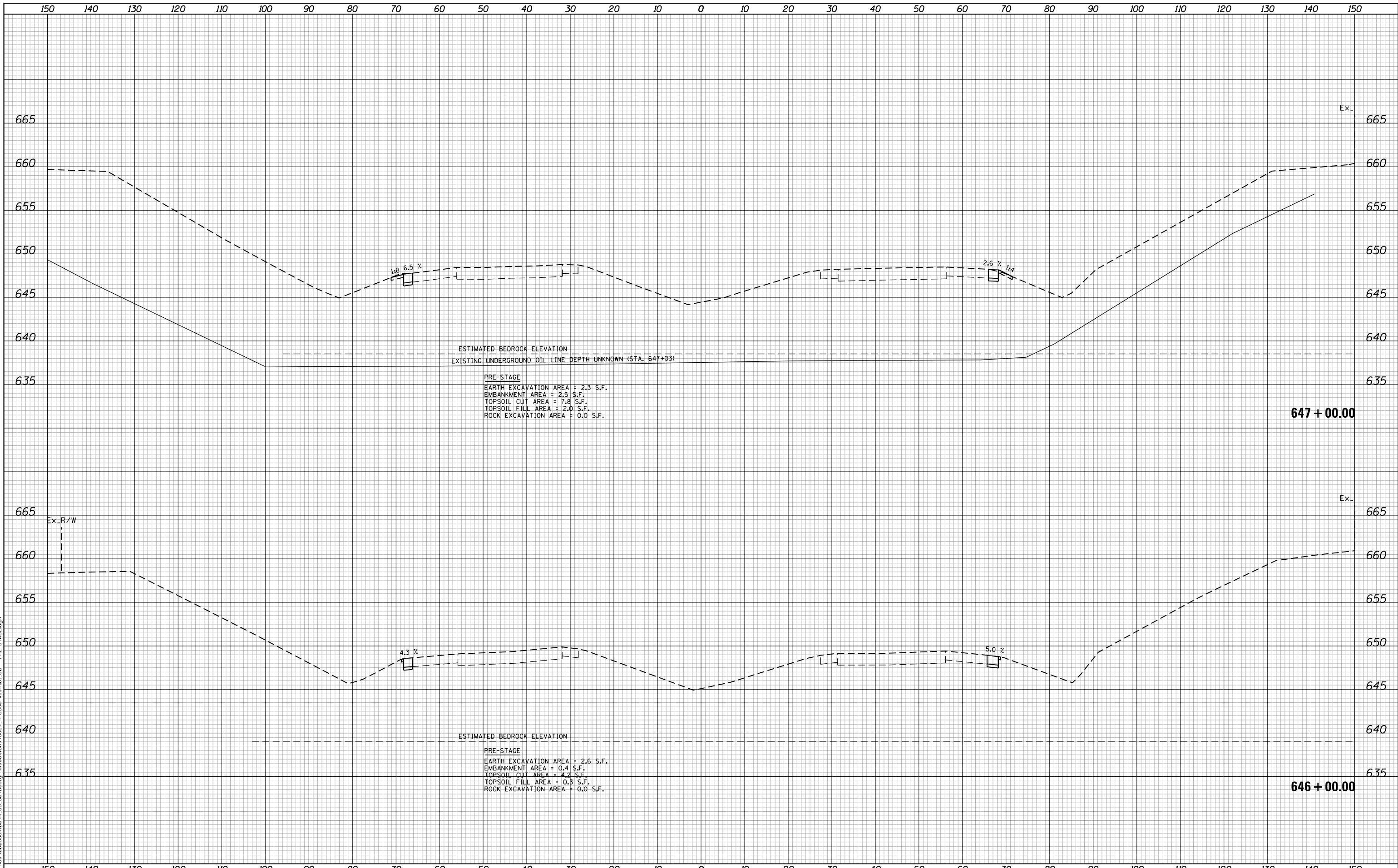
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 644+00.00 TO STA. 645+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 656 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION
 EXISTING UNDERGROUND OIL LINE DEPTH UNKNOWN (STA. 647+03)

PRE-STAGE
 EARTH EXCAVATION AREA = 2.3 S.F.
 EMBANKMENT AREA = 2.5 S.F.
 TOPSOIL CUT AREA = 7.8 S.F.
 TOPSOIL FILL AREA = 2.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

647 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.6 S.F.
 EMBANKMENT AREA = 0.4 S.F.
 TOPSOIL CUT AREA = 4.2 S.F.
 TOPSOIL FILL AREA = 0.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

646 + 00.00

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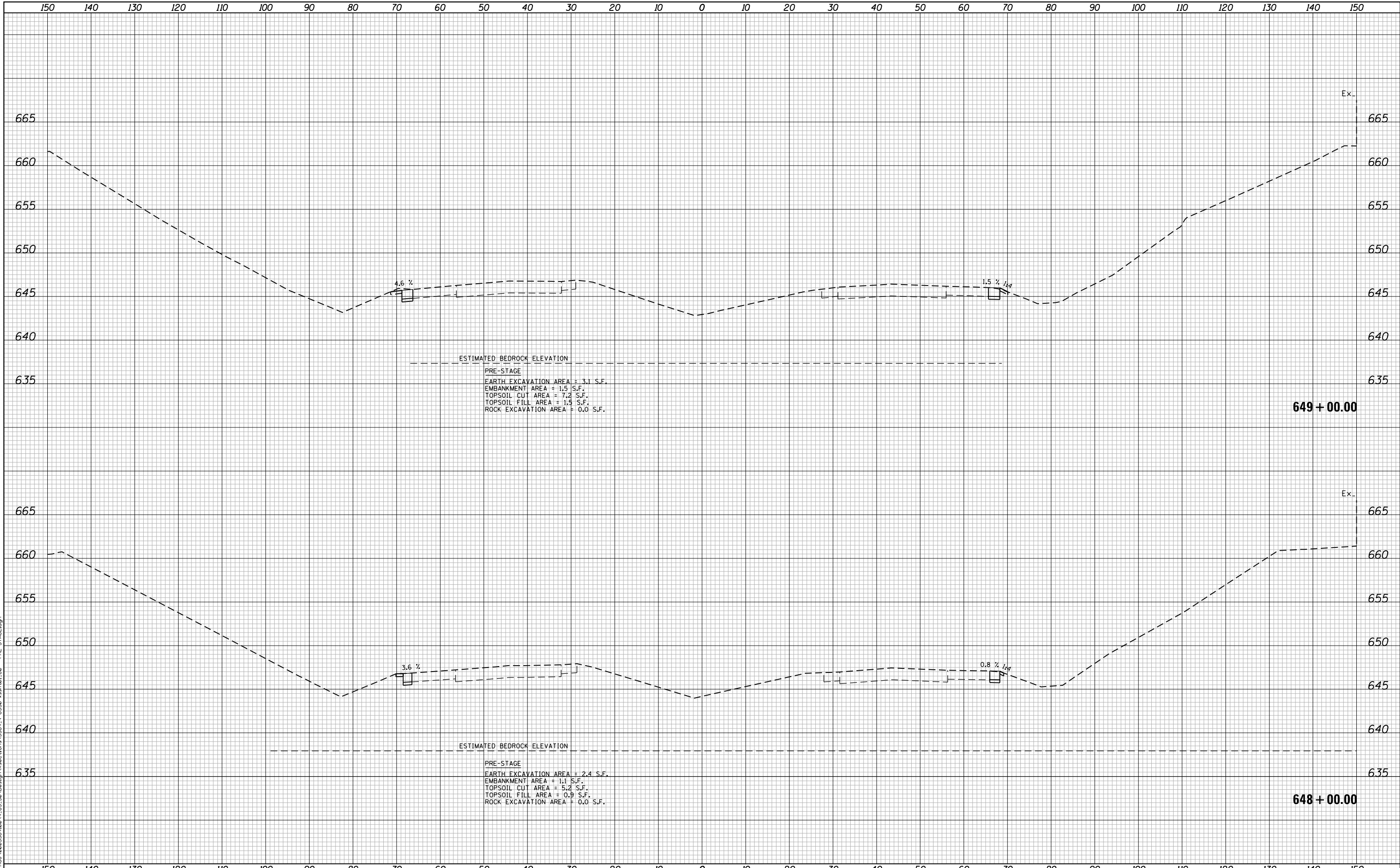
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 657 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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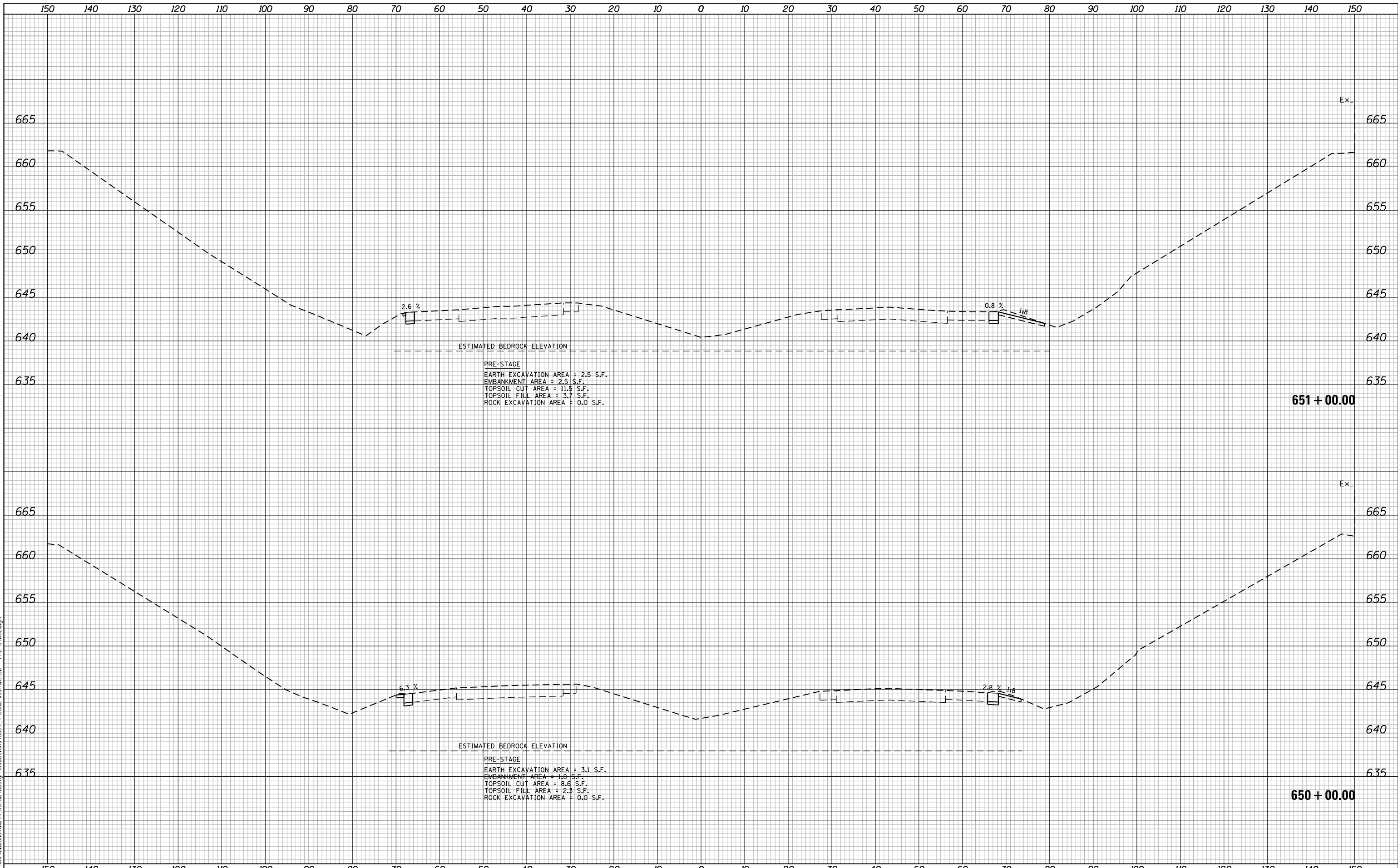
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 648+00.00 TO STA. 649+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 658 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 2.5 S.F.
 TOPSOIL CUT AREA = 11.5 S.F.
 TOPSOIL FILL AREA = 3.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

651 + 00.00

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 3.1 S.F.
 EMBANKMENT AREA = 1.8 S.F.
 TOPSOIL CUT AREA = 8.6 S.F.
 TOPSOIL FILL AREA = 2.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

650 + 00.00

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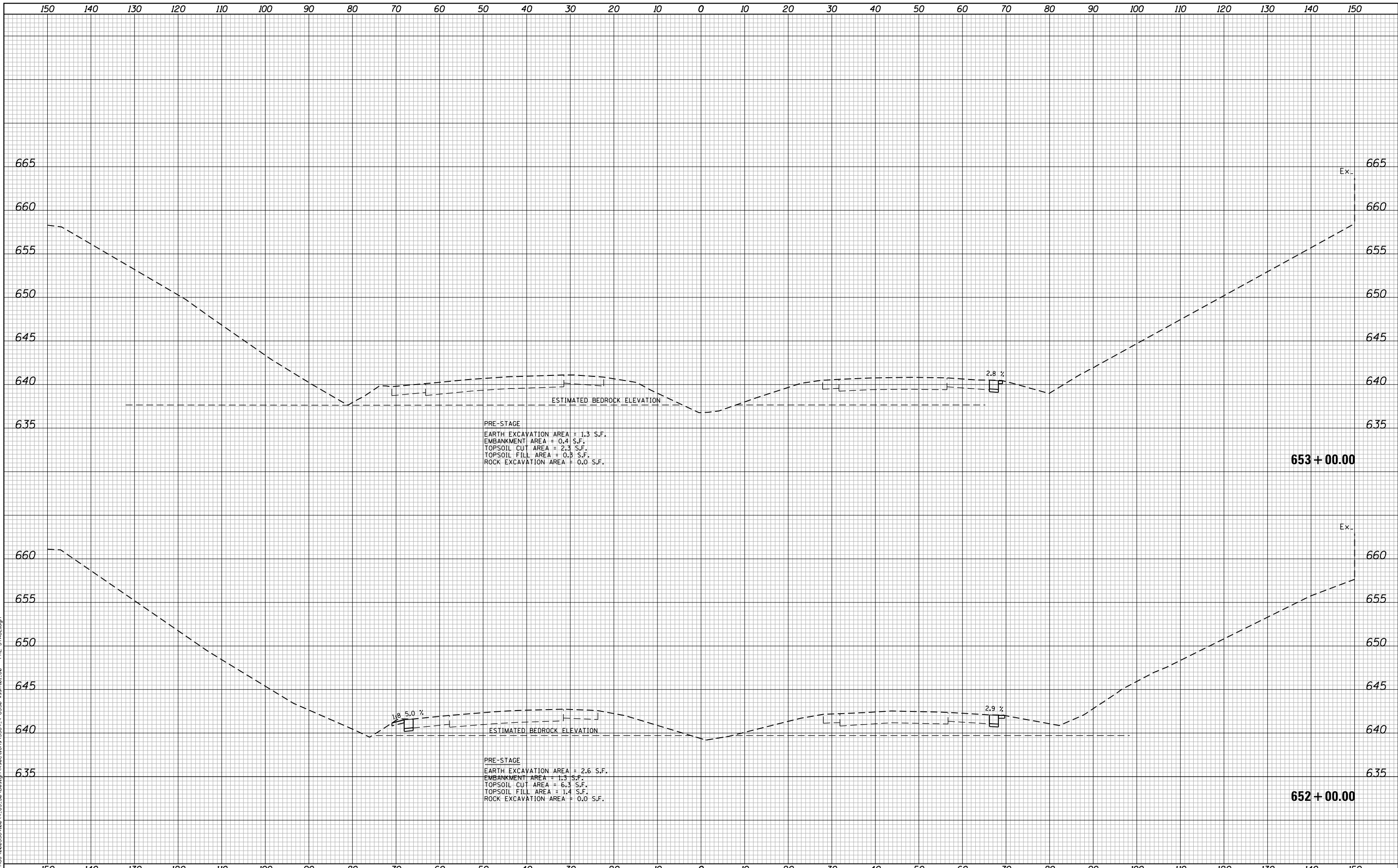
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| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 650+00.00 TO STA. 651+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 659 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



PRE-STAGE
 EARTH EXCAVATION AREA = 1.3 S.F.
 EMBANKMENT AREA = 0.4 S.F.
 TOPSOIL CUT AREA = 2.3 S.F.
 TOPSOIL FILL AREA = 0.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

653 + 00.00

PRE-STAGE
 EARTH EXCAVATION AREA = 2.6 S.F.
 EMBANKMENT AREA = 1.3 S.F.
 TOPSOIL CUT AREA = 6.3 S.F.
 TOPSOIL FILL AREA = 1.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

652 + 00.00

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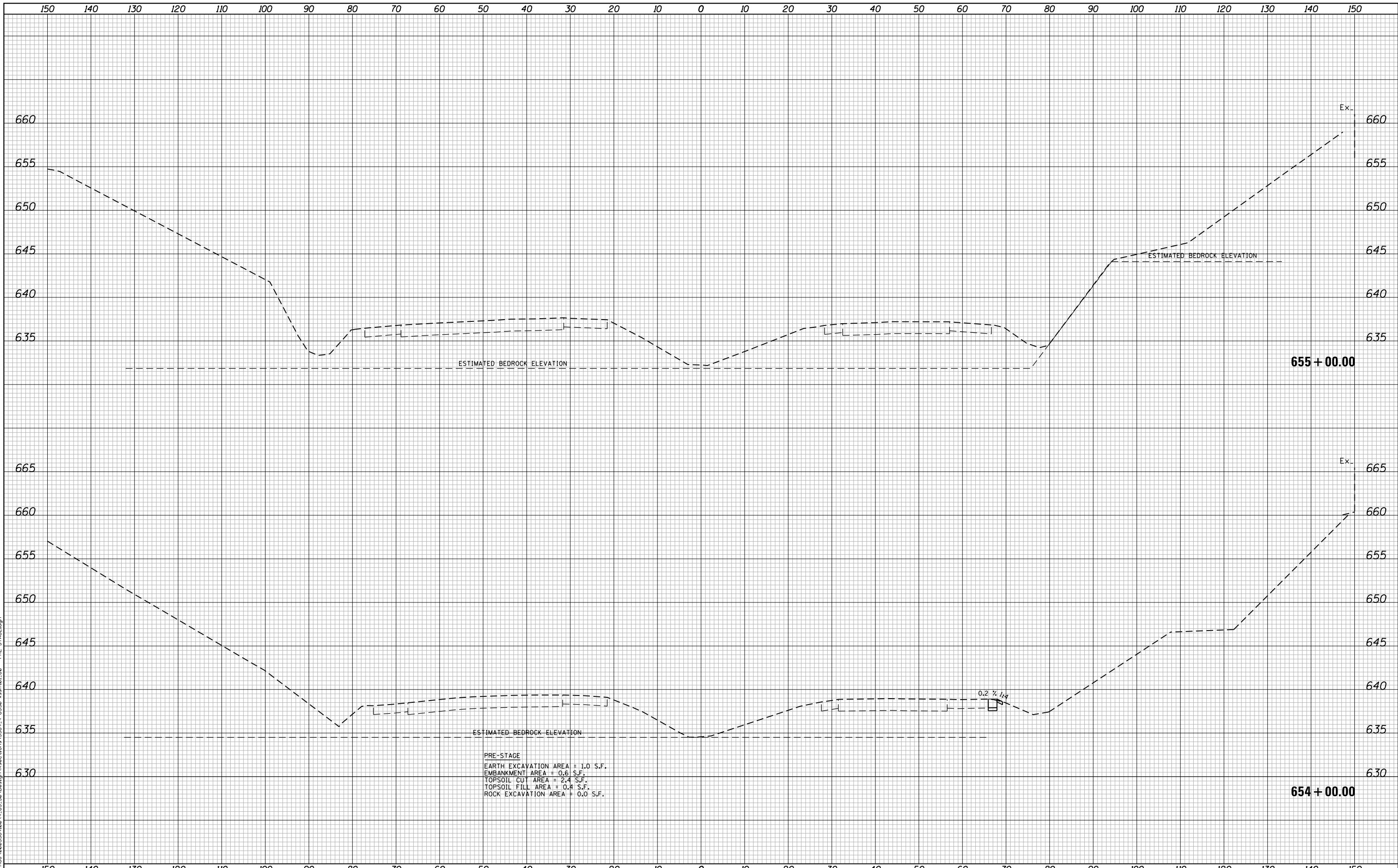
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 652+00.00 TO STA. 653+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 660 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



PRE-STAGE
 EARTH EXCAVATION AREA = 1.0 S.F.
 EMBANKMENT AREA = 0.6 S.F.
 TOPSOIL CUT AREA = 2.4 S.F.
 TOPSOIL FILL AREA = 0.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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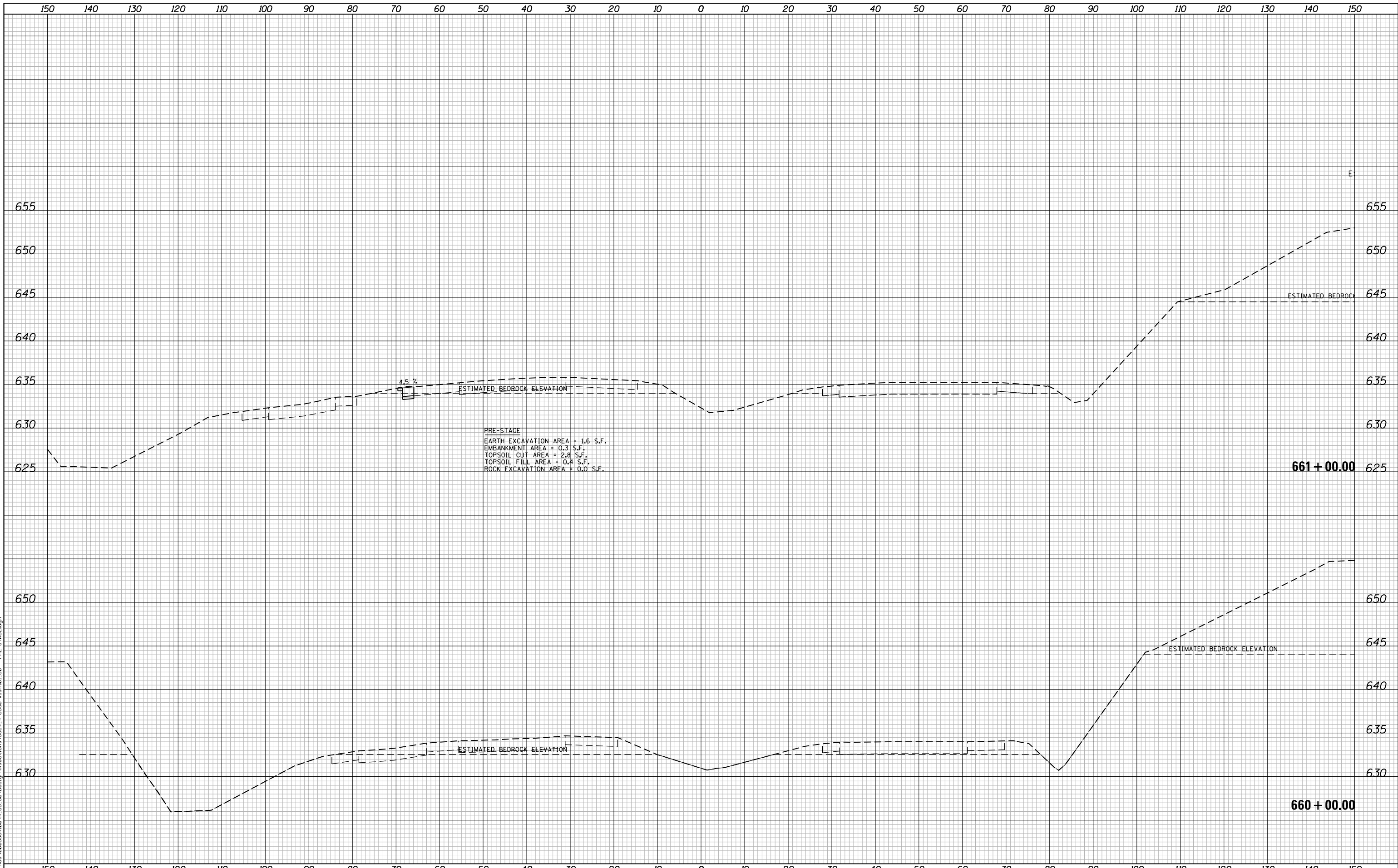
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 654+00.00 TO STA. 655+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 661 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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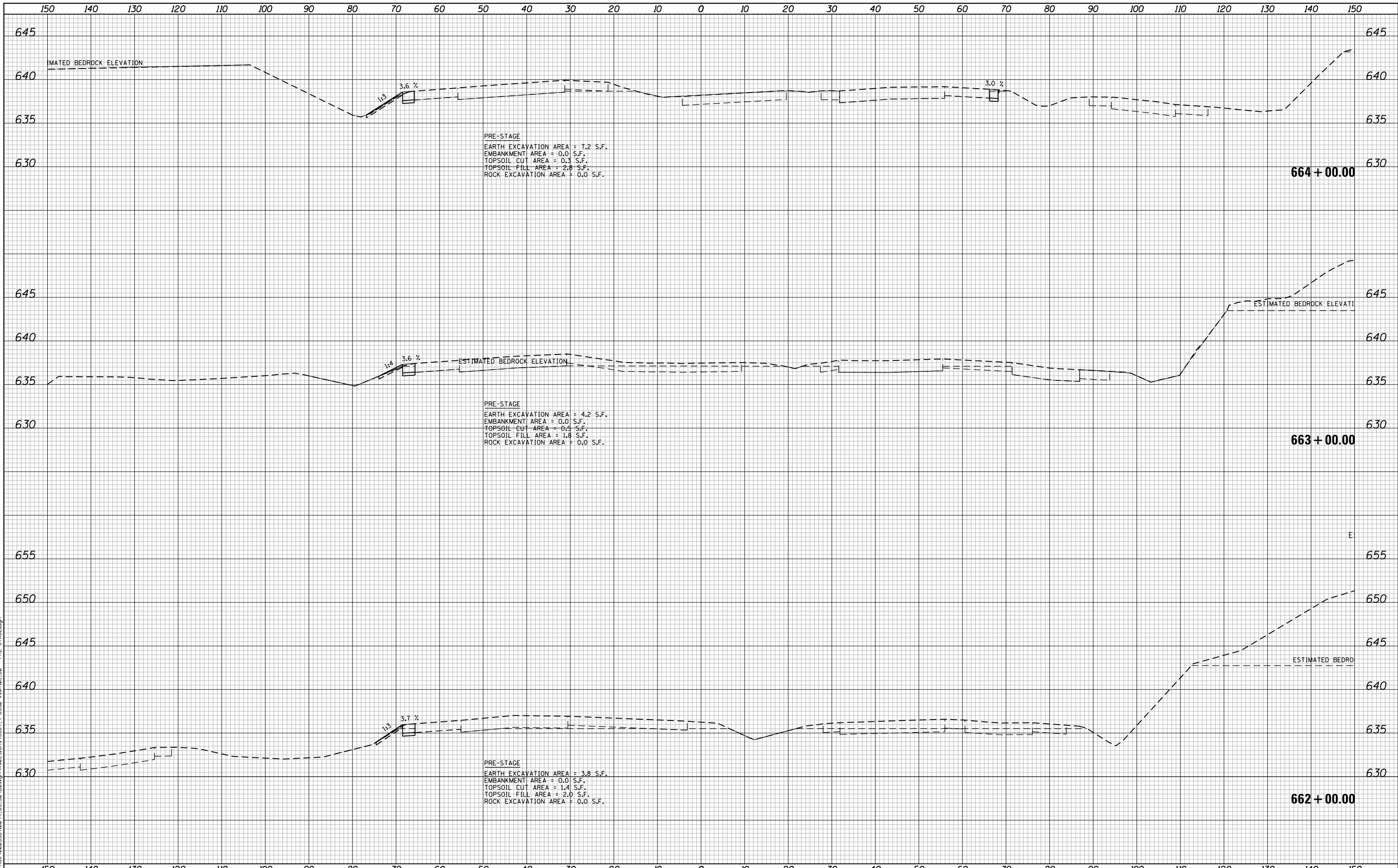
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 660+00.00 TO STA. 661+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 662 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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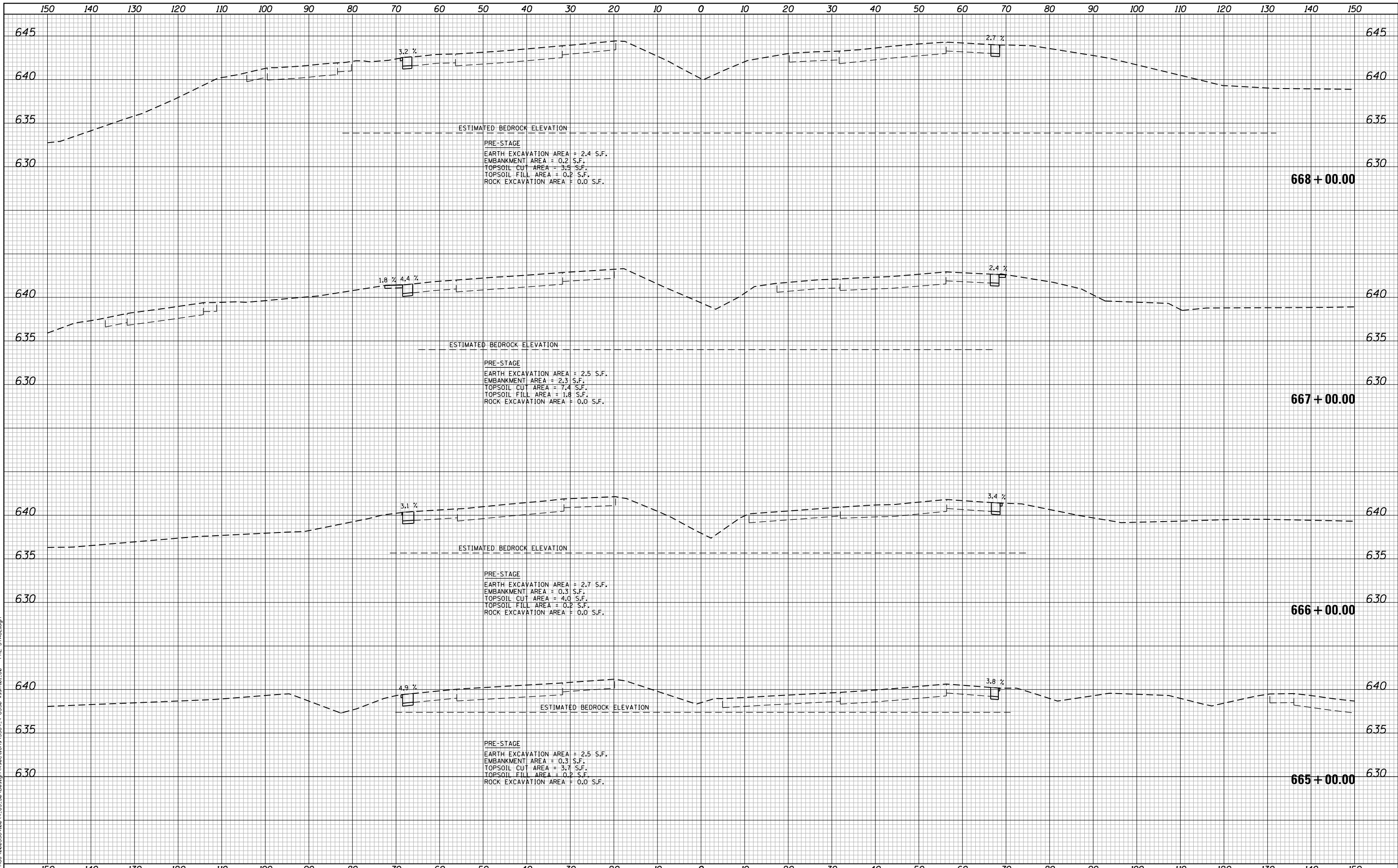
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| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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|------------------------------------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 662+00.00 TO STA. 664+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 663 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.4 S.F.
 EMBANKMENT AREA = 0.2 S.F.
 TOPSOIL CUT AREA = 3.5 S.F.
 TOPSOIL FILL AREA = 0.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 2.3 S.F.
 TOPSOIL CUT AREA = 7.4 S.F.
 TOPSOIL FILL AREA = 1.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.7 S.F.
 EMBANKMENT AREA = 0.3 S.F.
 TOPSOIL CUT AREA = 4.0 S.F.
 TOPSOIL FILL AREA = 0.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

PRE-STAGE
 EARTH EXCAVATION AREA = 2.5 S.F.
 EMBANKMENT AREA = 0.3 S.F.
 TOPSOIL CUT AREA = 3.7 S.F.
 TOPSOIL FILL AREA = 0.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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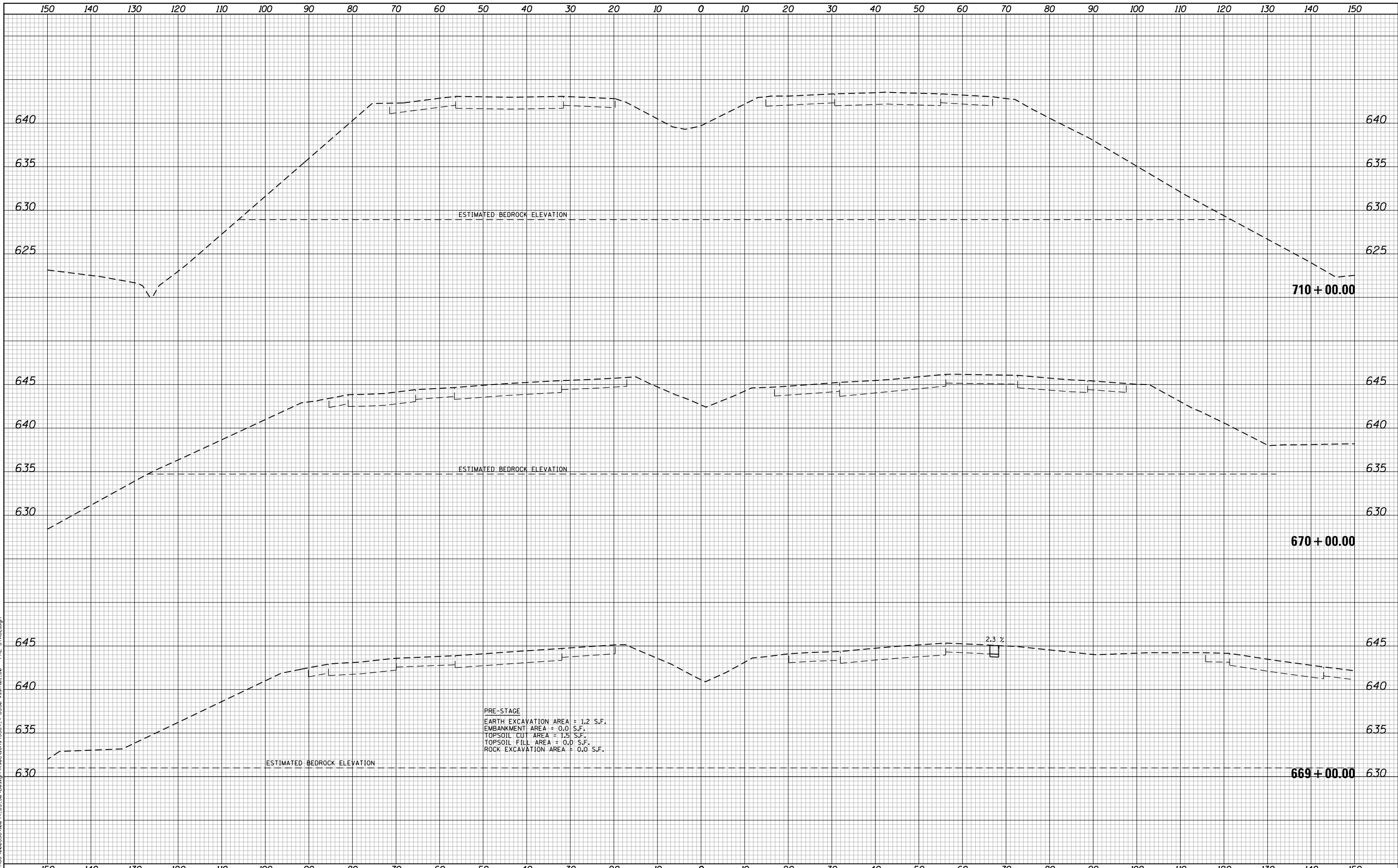
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 665+00.00 TO STA. 668+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 664 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



PRE-STAGE
 EARTH EXCAVATION AREA = 1.2 S.F.
 EMBANKMENT AREA = 0.0 S.F.
 TOPSOIL CUT AREA = 1.5 S.F.
 TOPSOIL FILL AREA = 0.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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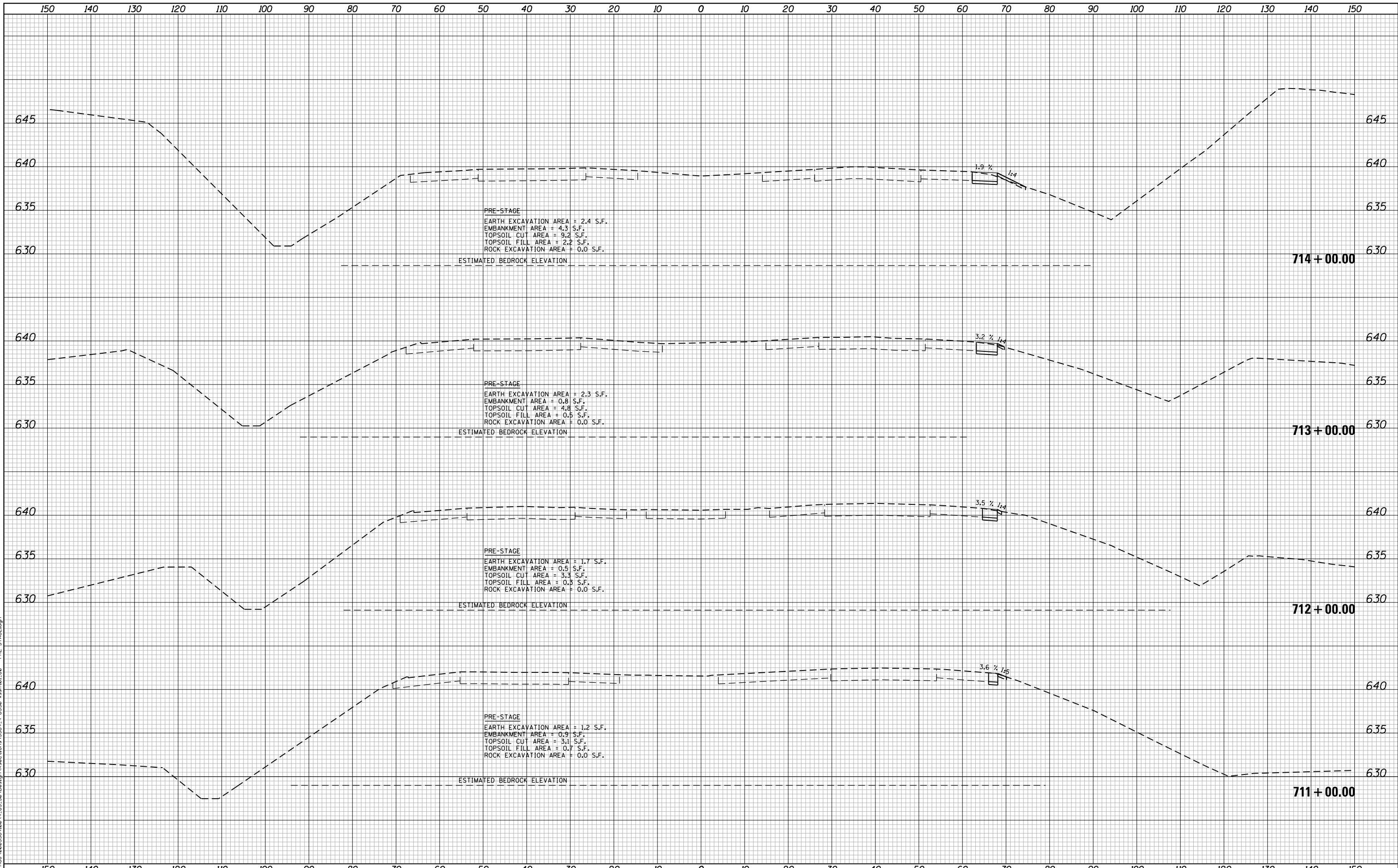
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 669+00.00 TO STA. 710+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 665 |
| CONTRACT NO. 60N87 | | | | |

FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT



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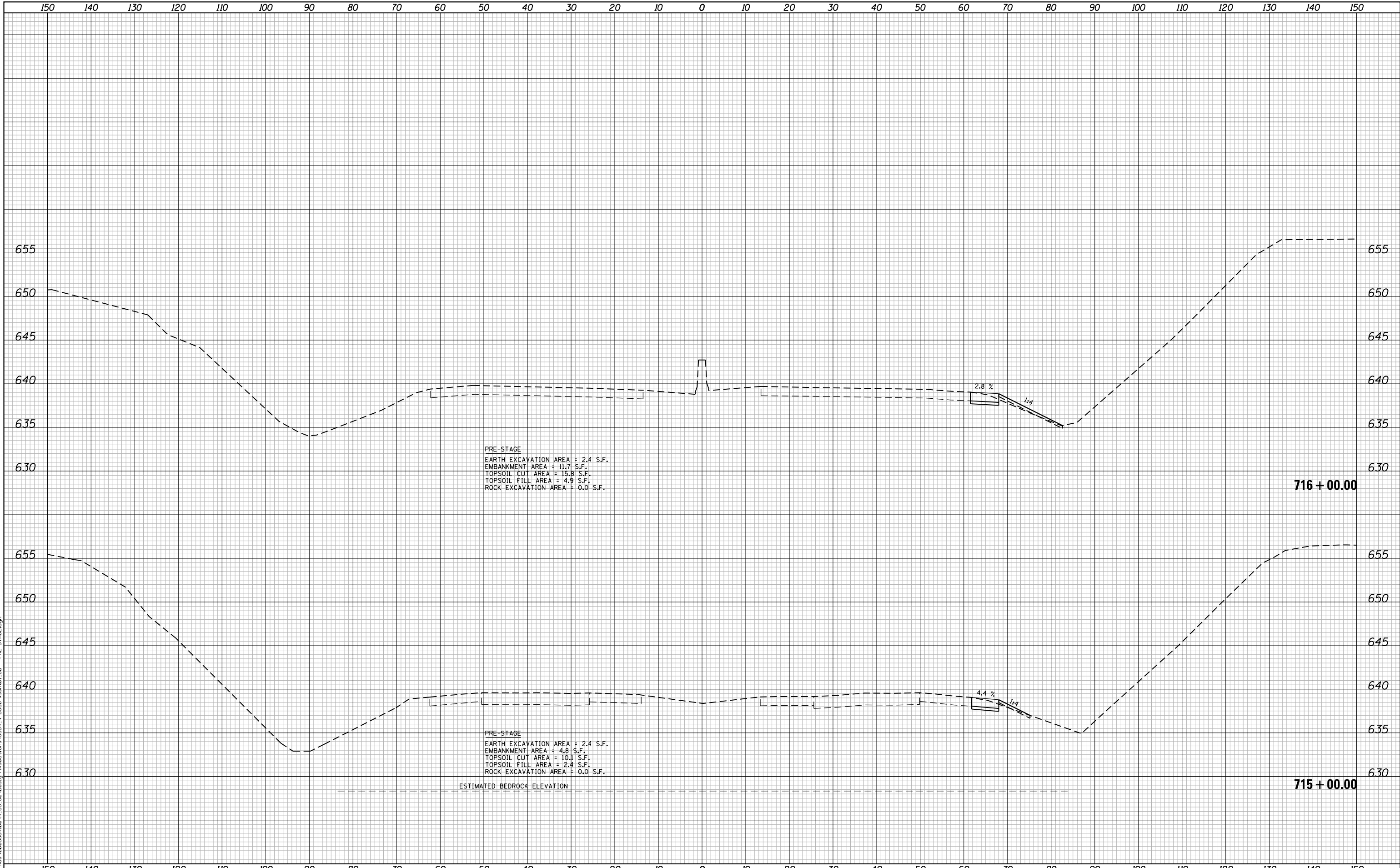
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| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 711+00.00 TO STA. 714+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 666 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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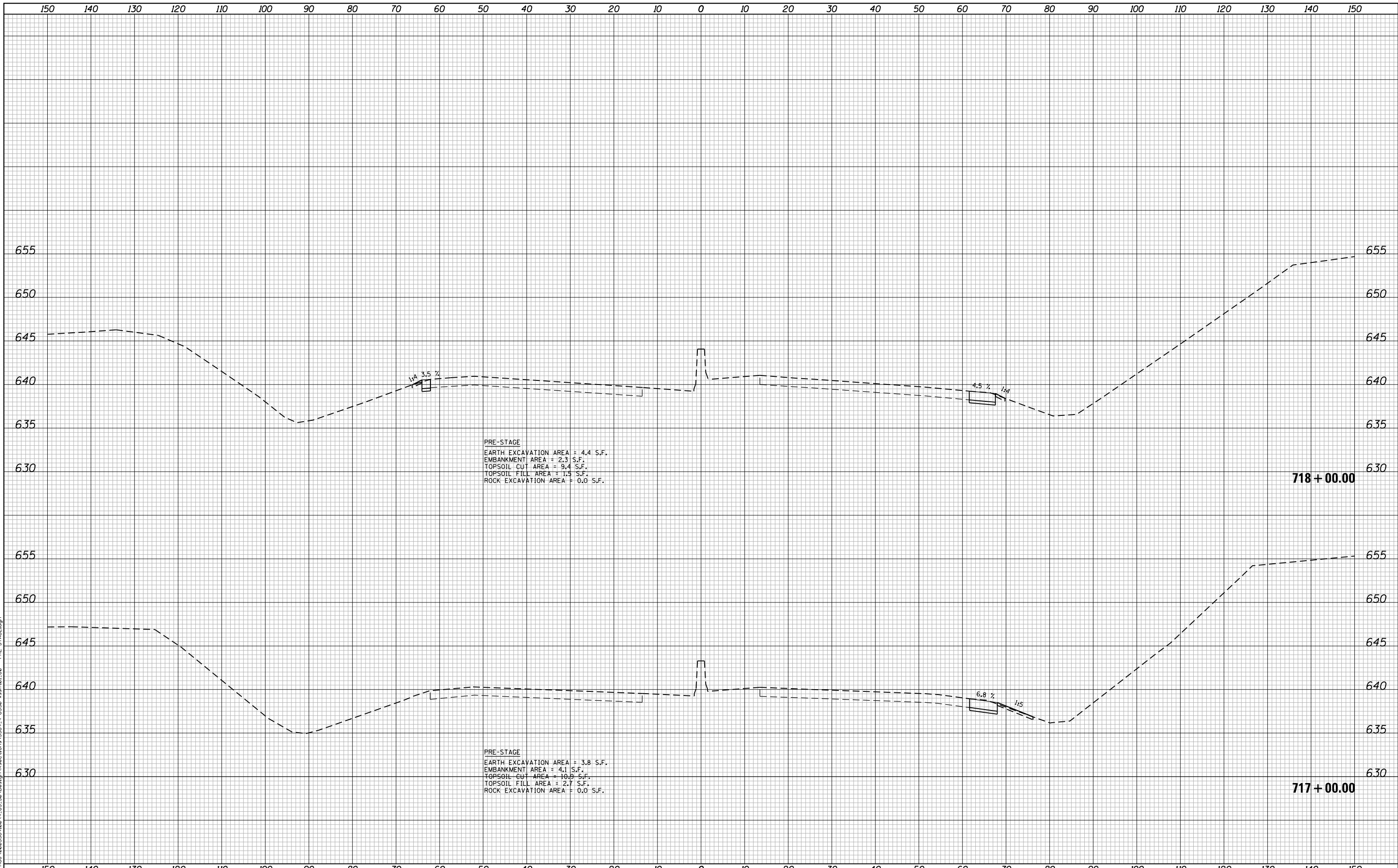
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| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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|------------------------------------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 715+00.00 TO STA. 716+00.00 |

| | | | | |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 667 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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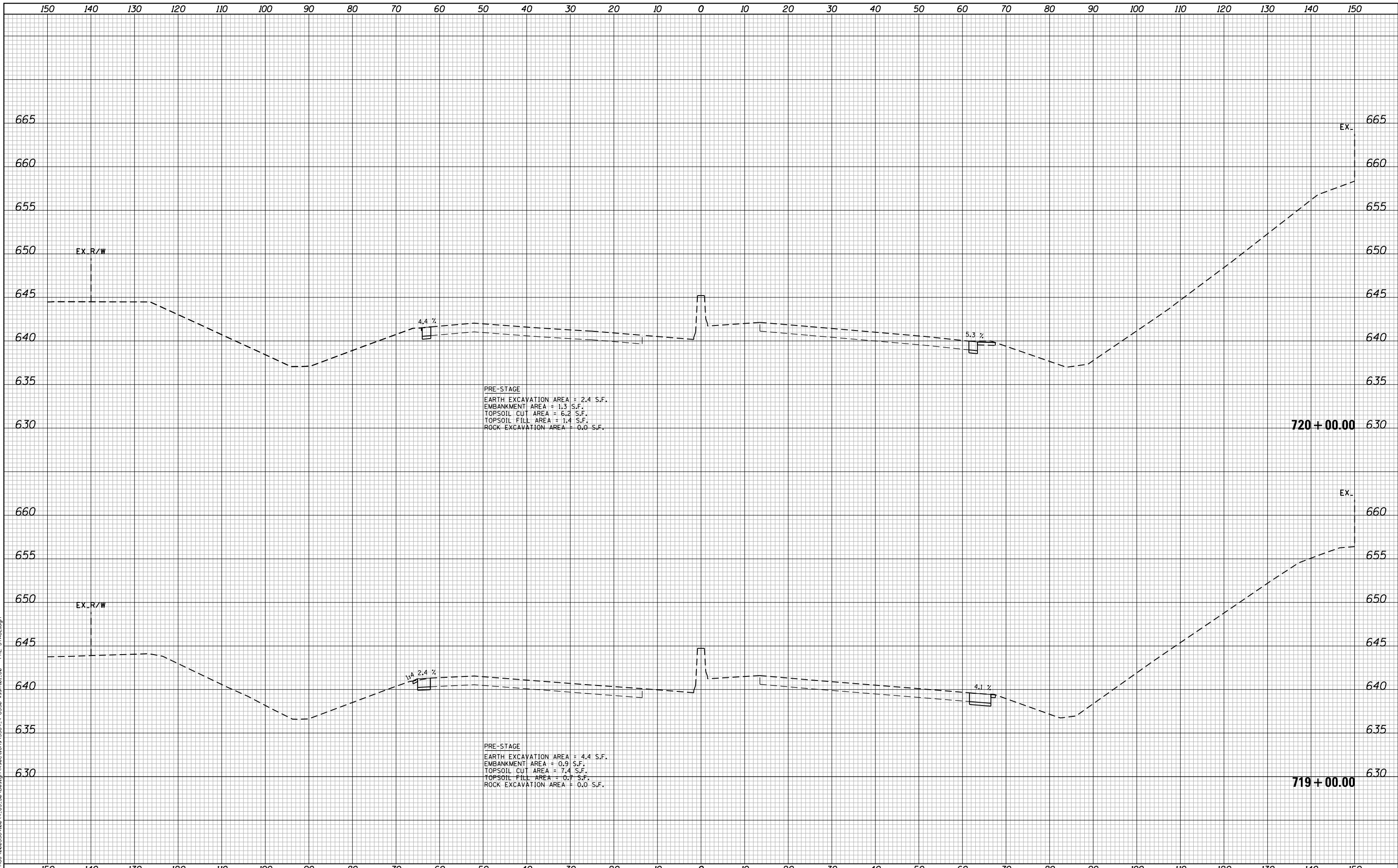
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 717+00.00 TO STA. 718+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 668 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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|--------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE | | | |
| CROSS SECTIONS | | | |
| I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 719+00.00 TO STA. 720+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 669 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |

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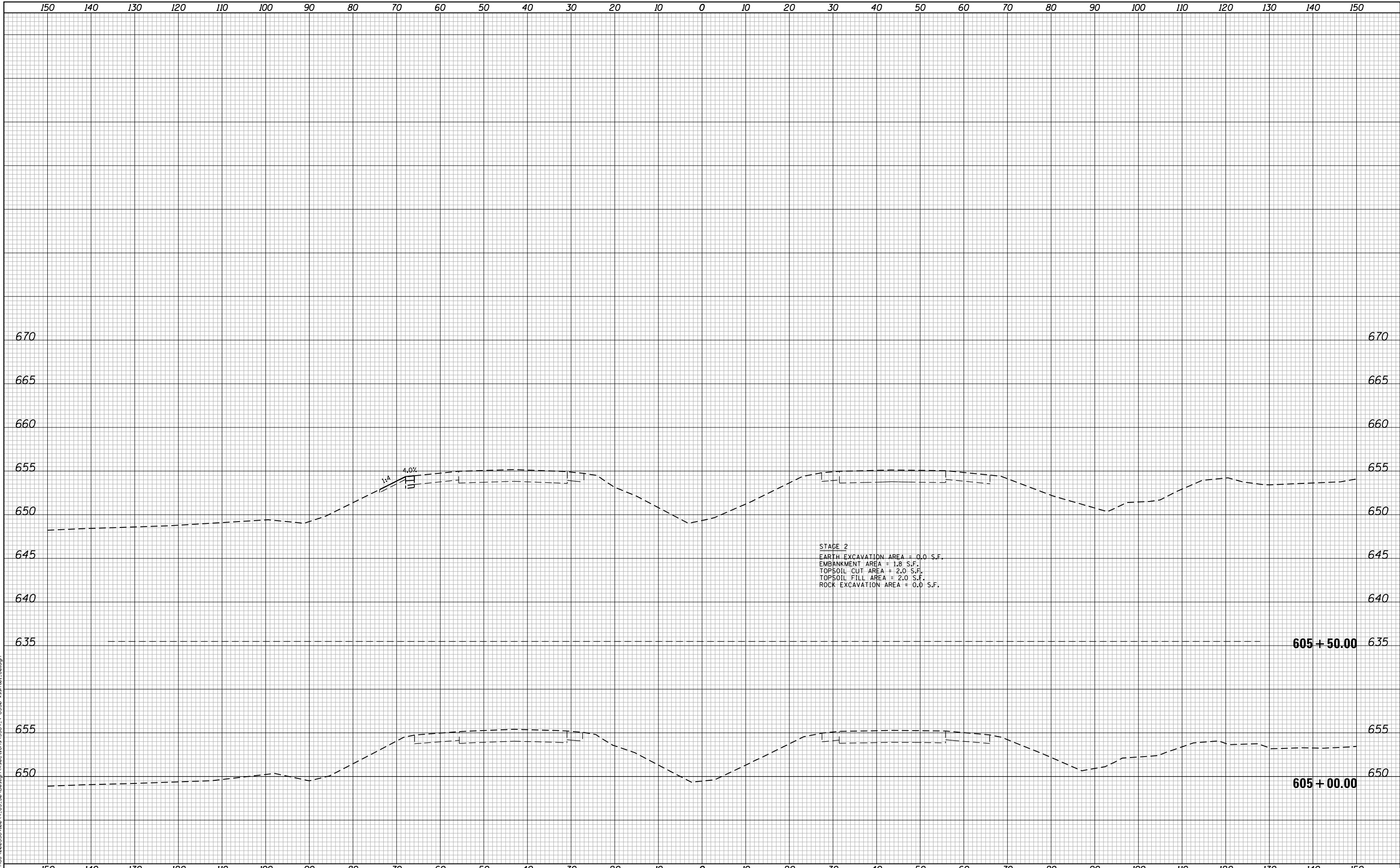
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80

SCALE: SHEET NO. OF SHEETS STA. 721+00.00 TO STA. 721+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 670 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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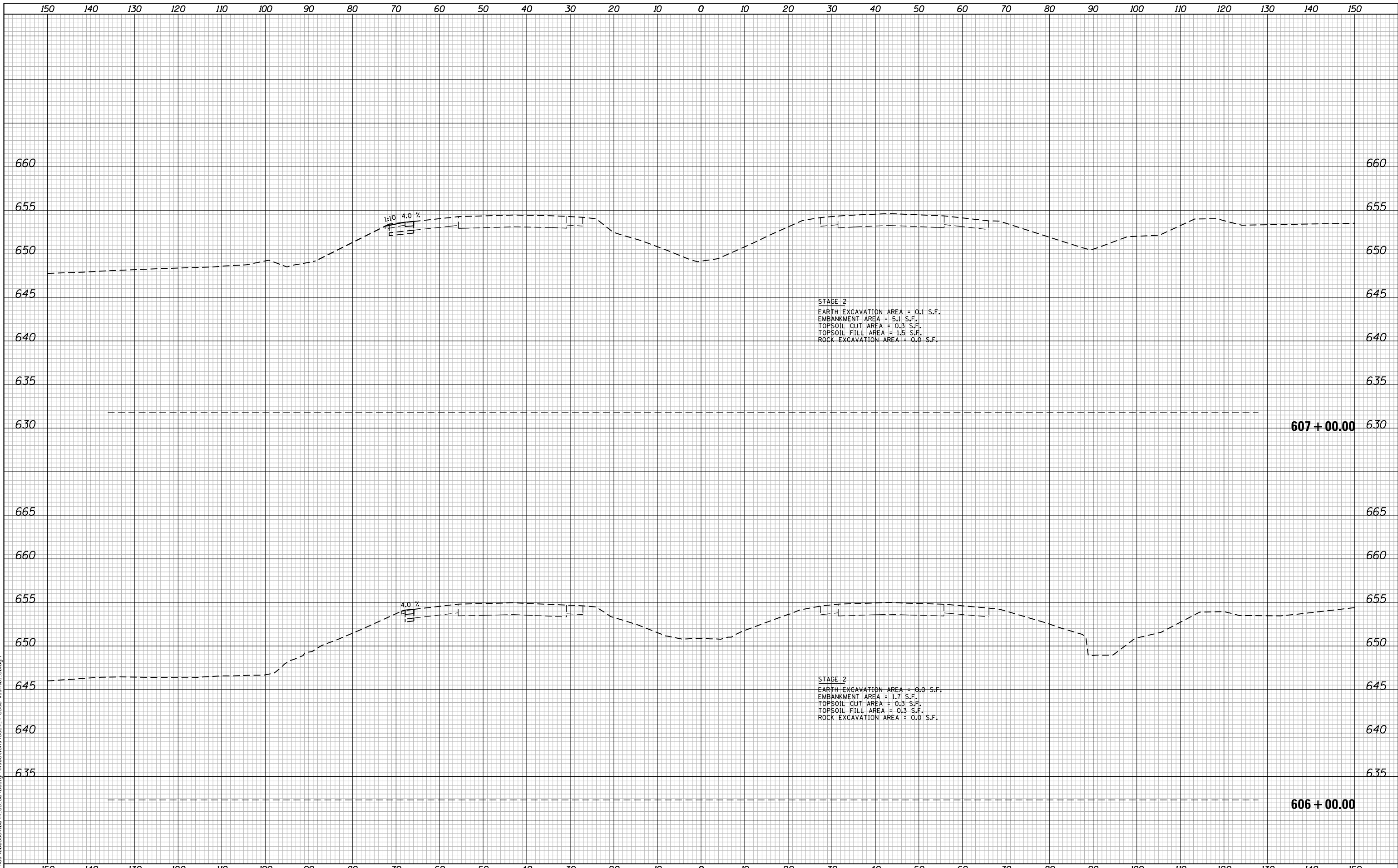
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 605+00.00 TO STA. 605+50.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 671 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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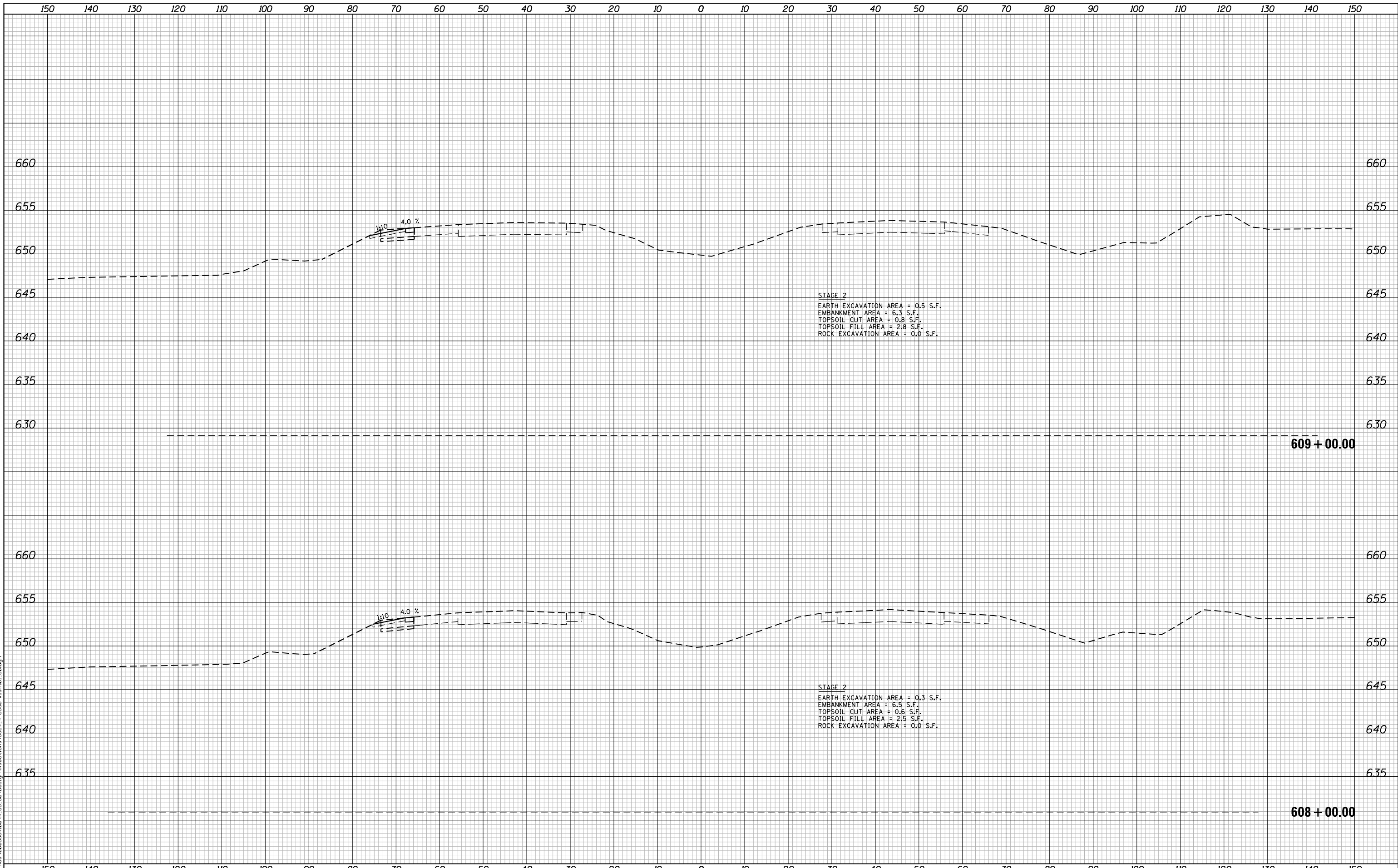
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| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 606+00.00 TO STA. 607+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 672 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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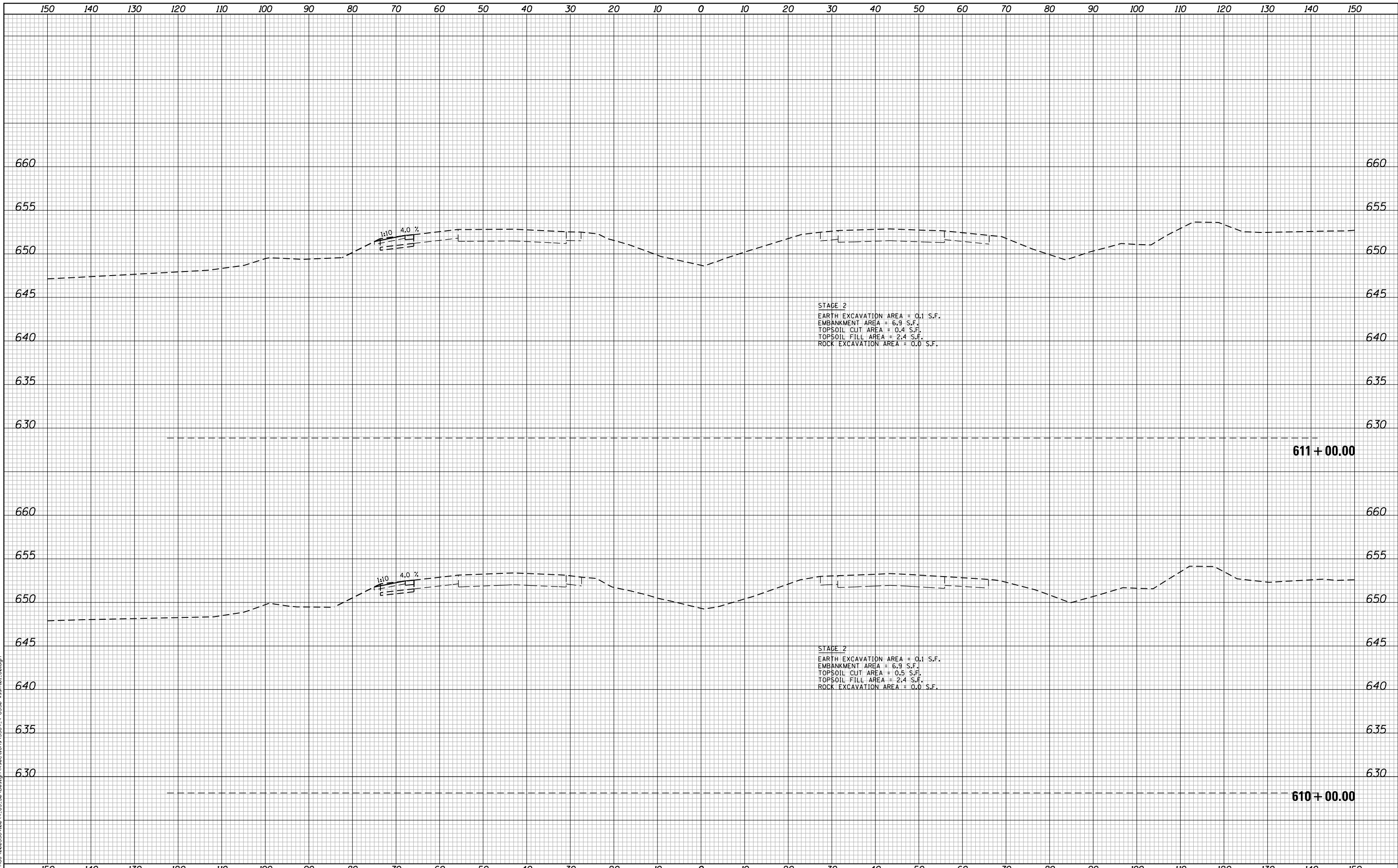
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 5507 North Cumberland Avenue, Suite 402
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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|------------------------------------------------------------------|-----------|-----------|--------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 608+00.00 TO STA. ■ |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 673 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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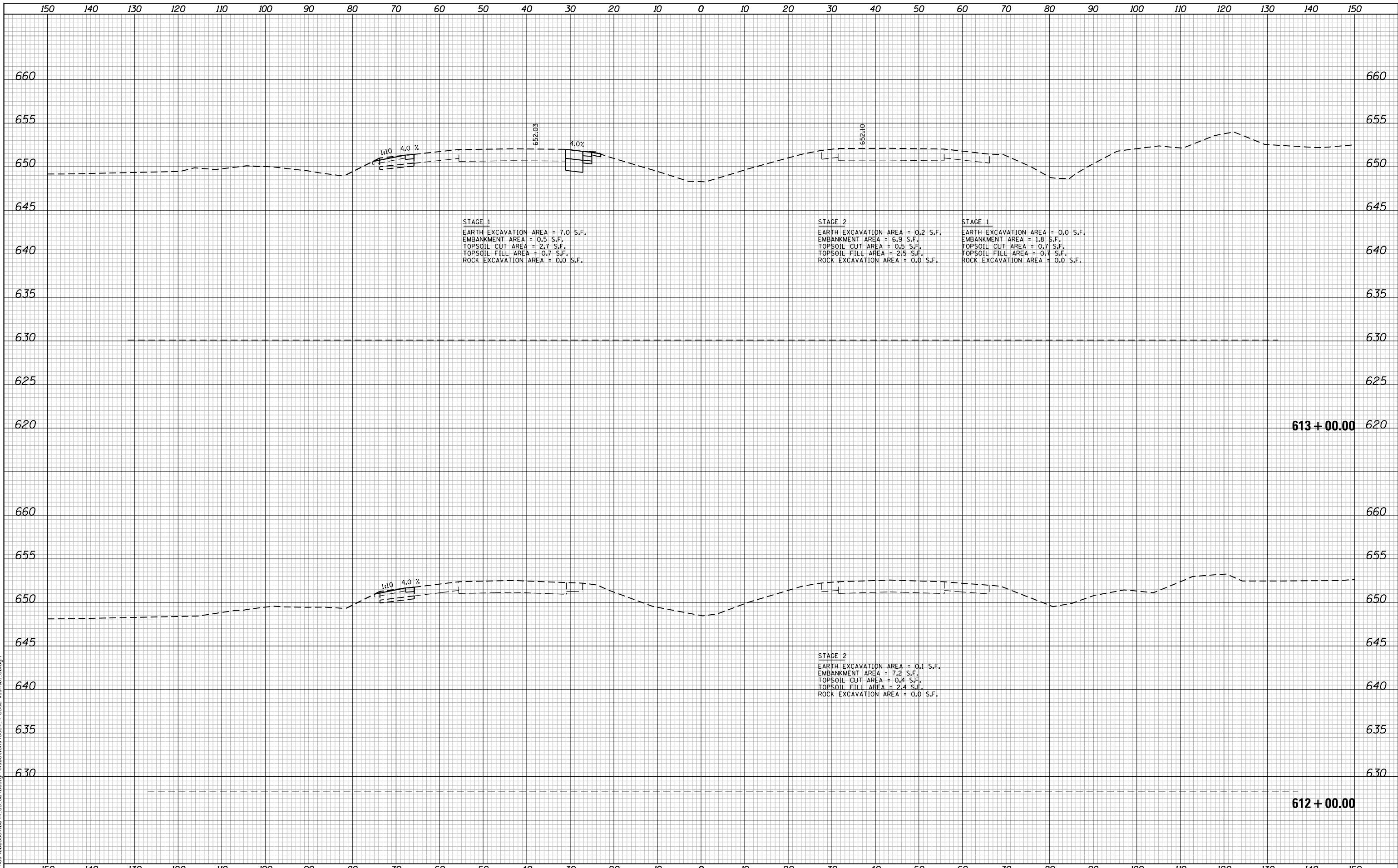
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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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|--------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE | | | |
| CROSS SECTIONS | | | |
| I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 610+00.00 TO STA. 611+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 674 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



STAGE 1
 EARTH EXCAVATION AREA = 7.0 S.F.
 EMBANKMENT AREA = 0.5 S.F.
 TOPSOIL CUT AREA = 2.7 S.F.
 TOPSOIL FILL AREA = 0.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 0.2 S.F.
 EMBANKMENT AREA = 6.9 S.F.
 TOPSOIL CUT AREA = 0.5 S.F.
 TOPSOIL FILL AREA = 2.5 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 1.8 S.F.
 TOPSOIL CUT AREA = 0.7 S.F.
 TOPSOIL FILL AREA = 0.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 0.1 S.F.
 EMBANKMENT AREA = 7.2 S.F.
 TOPSOIL CUT AREA = 0.4 S.F.
 TOPSOIL FILL AREA = 2.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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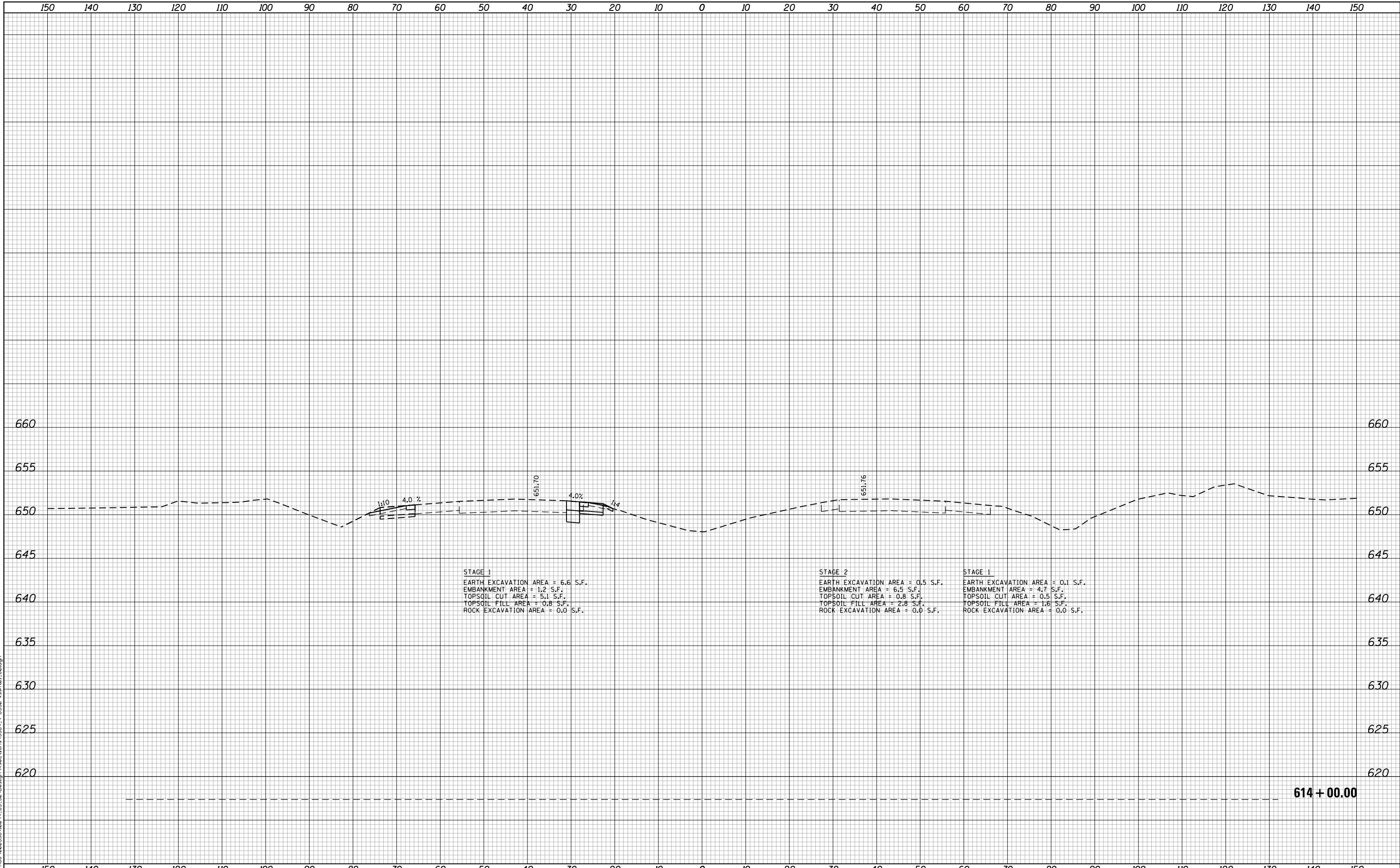
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| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 612+00.00 TO STA. 613+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 675 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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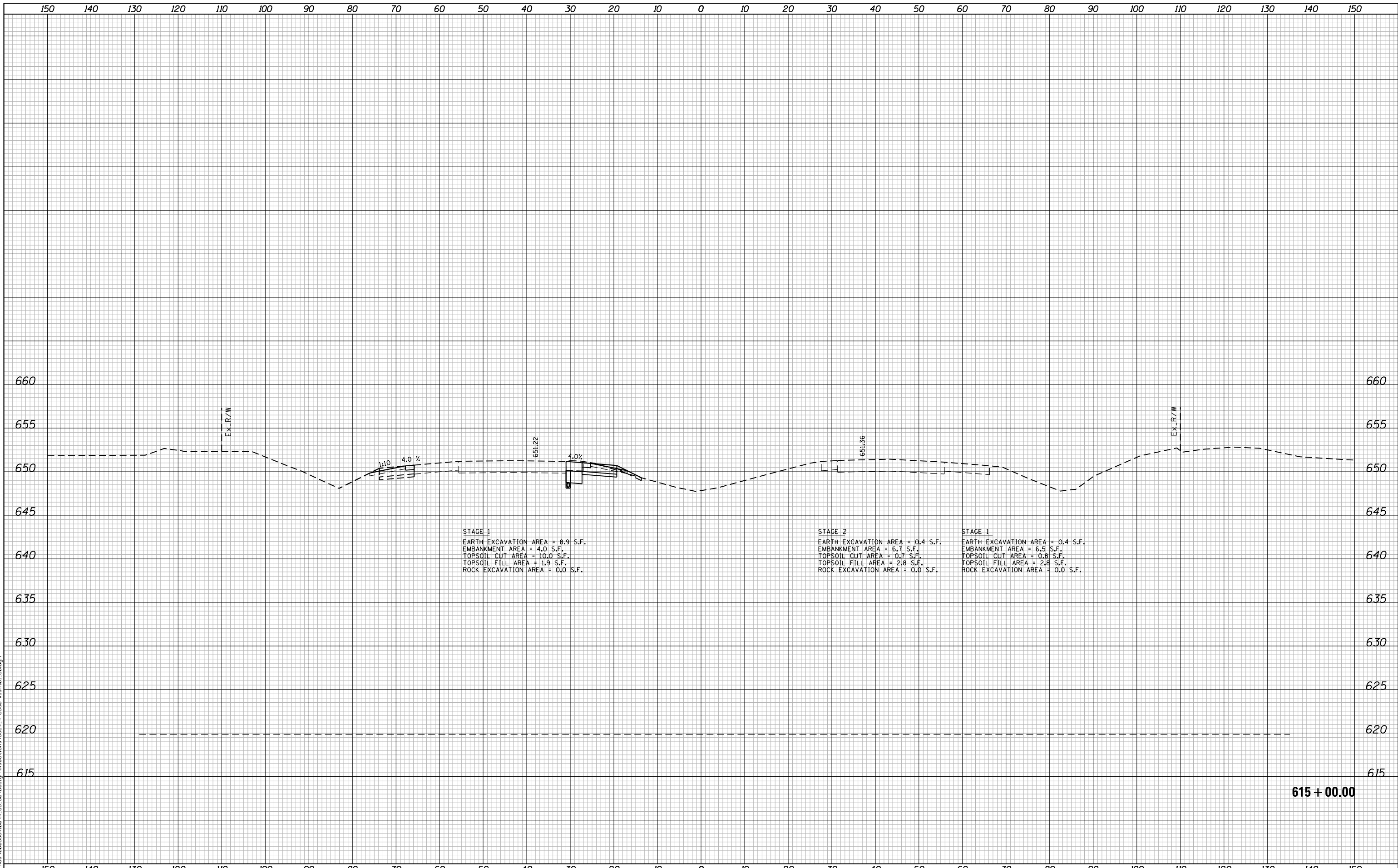
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| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80**

SCALE: SHEET NO. OF SHEETS STA. 614+00.00 TO STA. 614+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 676 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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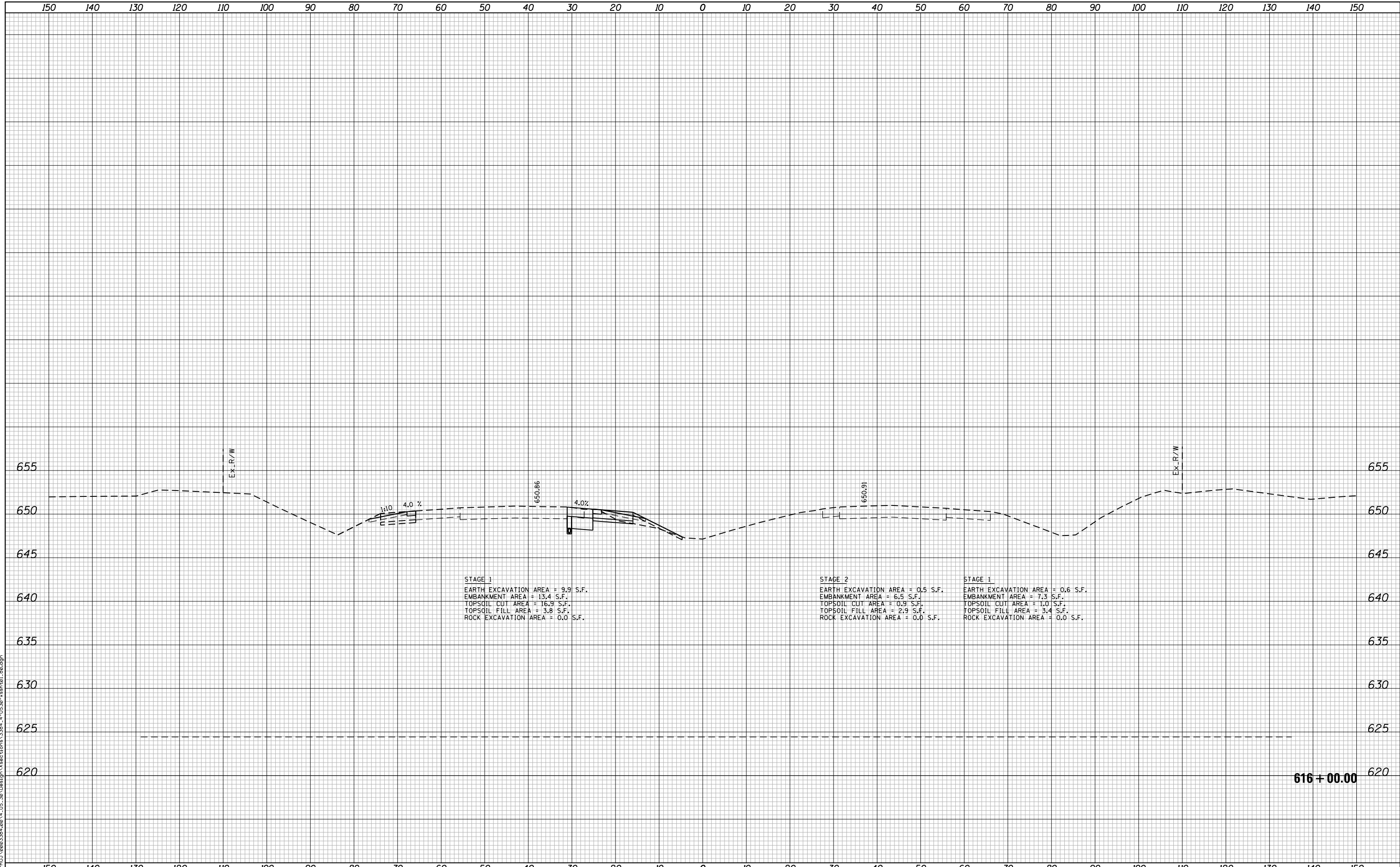
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| | DRAWN - NGT | REVISED - |
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 615+00.00 TO STA. 615+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 677 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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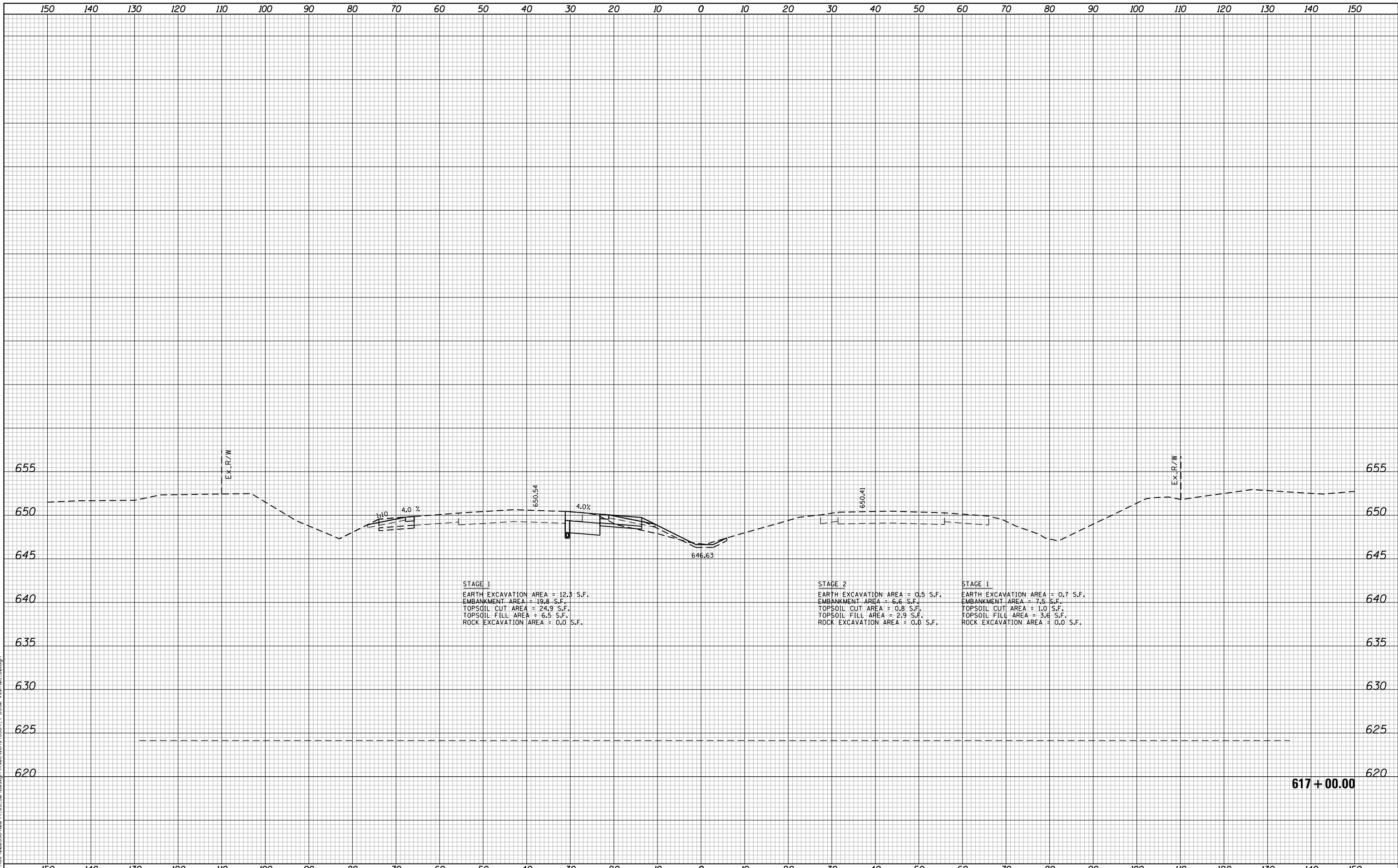
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|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|------------------------------------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 616+00.00 TO STA. 616+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 678 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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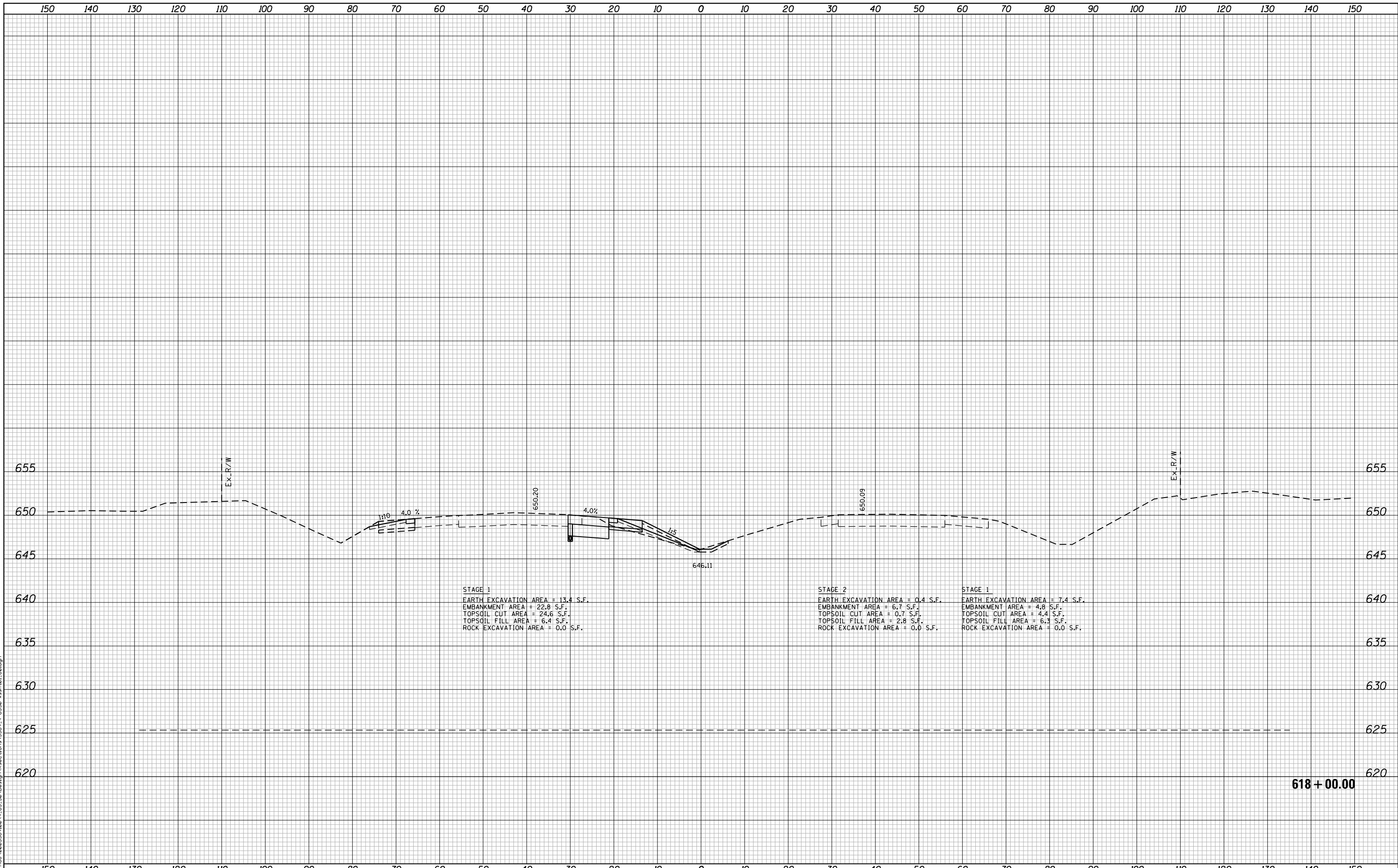
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| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 617+00.00 TO STA. 617+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 679 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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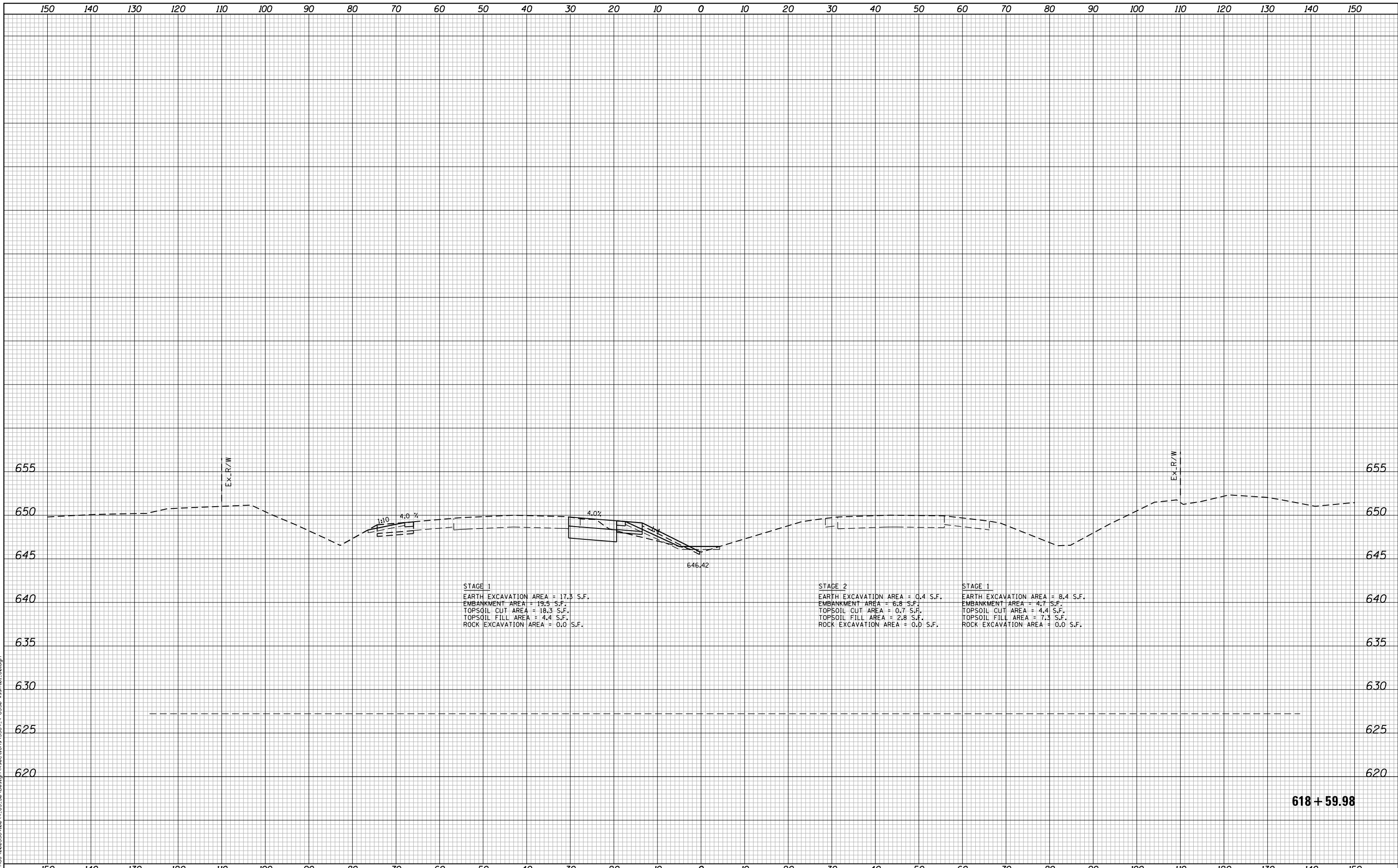
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|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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|------------------------------------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 618+00.00 TO STA. 618+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 680 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



STAGE 1
 EARTH EXCAVATION AREA = 17.3 S.F.
 EMBANKMENT AREA = 19.5 S.F.
 TOPSOIL CUT AREA = 18.3 S.F.
 TOPSOIL FILL AREA = 4.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 0.4 S.F.
 EMBANKMENT AREA = 6.8 S.F.
 TOPSOIL CUT AREA = 0.7 S.F.
 TOPSOIL FILL AREA = 2.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 8.4 S.F.
 EMBANKMENT AREA = 4.7 S.F.
 TOPSOIL CUT AREA = 4.4 S.F.
 TOPSOIL FILL AREA = 7.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

618 + 59.98

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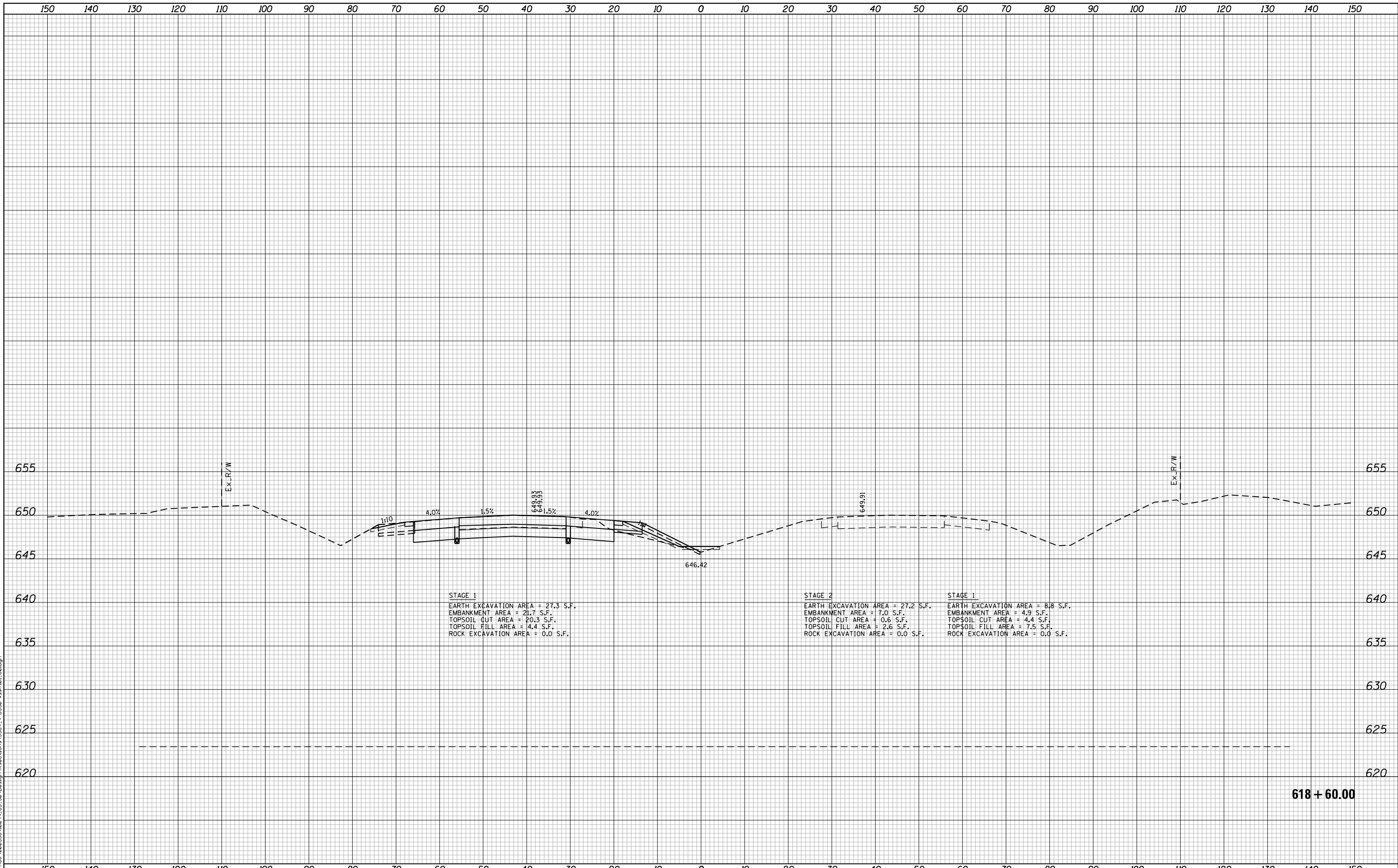
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| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 618+59.98 TO STA. 618+59.98

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 681 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



618 + 60.00

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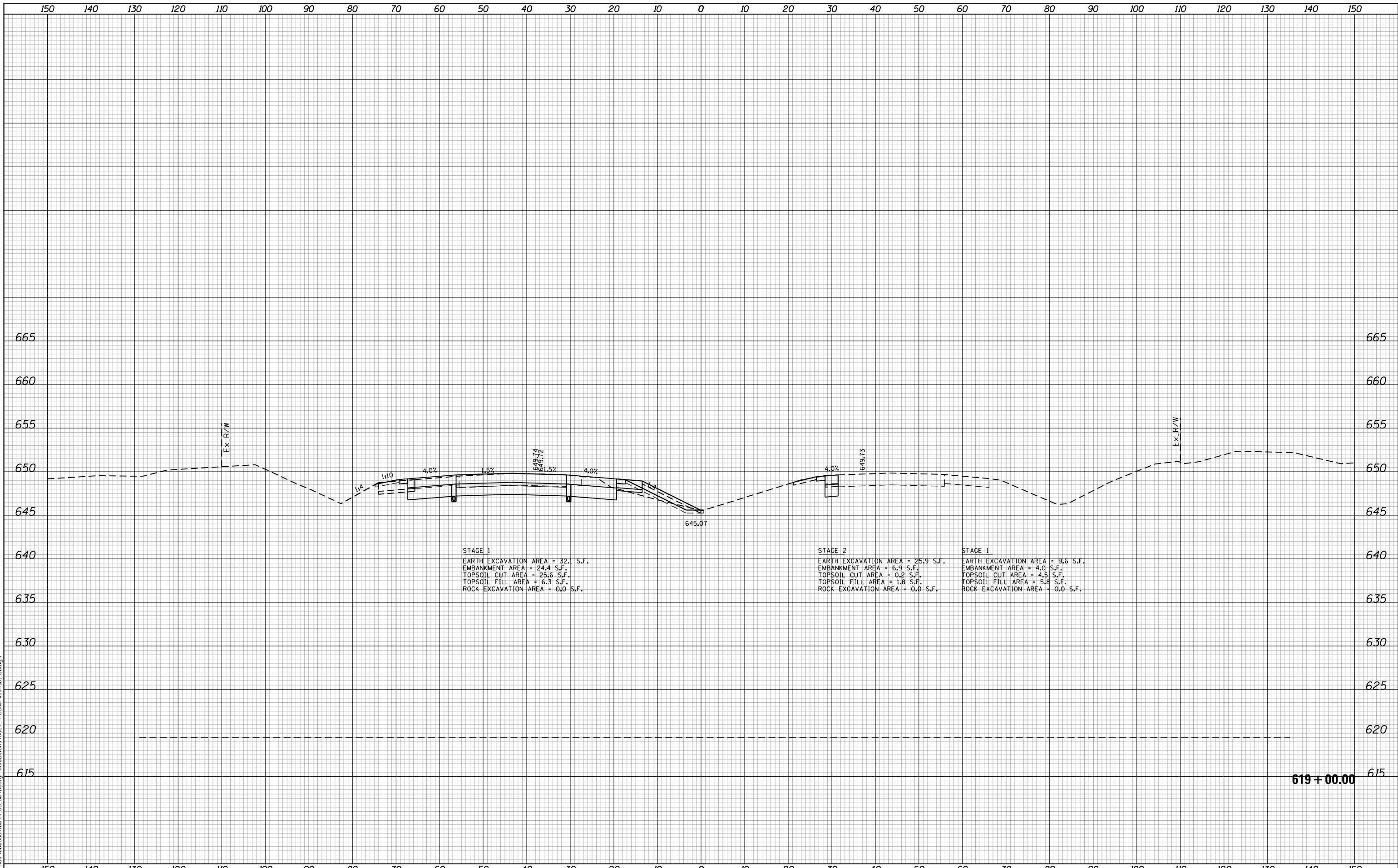
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|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE | | | |
| CROSS SECTIONS | | | |
| I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 618+60.00 TO STA. 618+60.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 682 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



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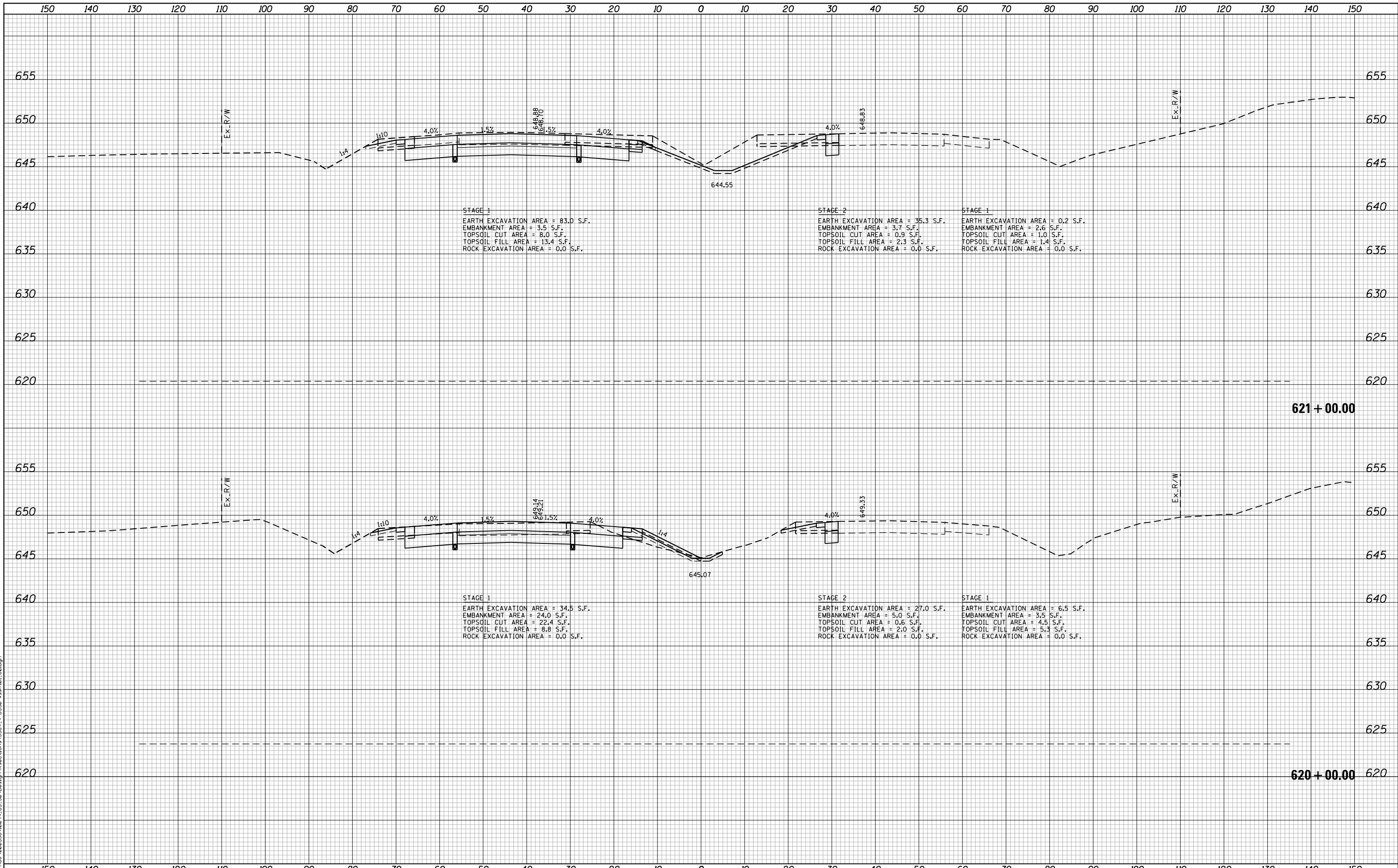
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|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|------------------------------------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE CROSS SECTIONS I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 619+00.00 TO STA. 619+00.00 |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 683 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



STAGE 1
 EARTH EXCAVATION AREA = 83.0 S.F.
 EMBANKMENT AREA = 3.5 S.F.
 TOPSOIL CUT AREA = 8.0 S.F.
 TOPSOIL FILL AREA = 13.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 35.3 S.F.
 EMBANKMENT AREA = 3.7 S.F.
 TOPSOIL CUT AREA = 0.9 S.F.
 TOPSOIL FILL AREA = 2.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.2 S.F.
 EMBANKMENT AREA = 2.6 S.F.
 TOPSOIL CUT AREA = 1.0 S.F.
 TOPSOIL FILL AREA = 1.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 34.5 S.F.
 EMBANKMENT AREA = 24.0 S.F.
 TOPSOIL CUT AREA = 22.4 S.F.
 TOPSOIL FILL AREA = 8.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 27.0 S.F.
 EMBANKMENT AREA = 5.0 S.F.
 TOPSOIL CUT AREA = 0.6 S.F.
 TOPSOIL FILL AREA = 2.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 6.5 S.F.
 EMBANKMENT AREA = 3.5 S.F.
 TOPSOIL CUT AREA = 4.5 S.F.
 TOPSOIL FILL AREA = 5.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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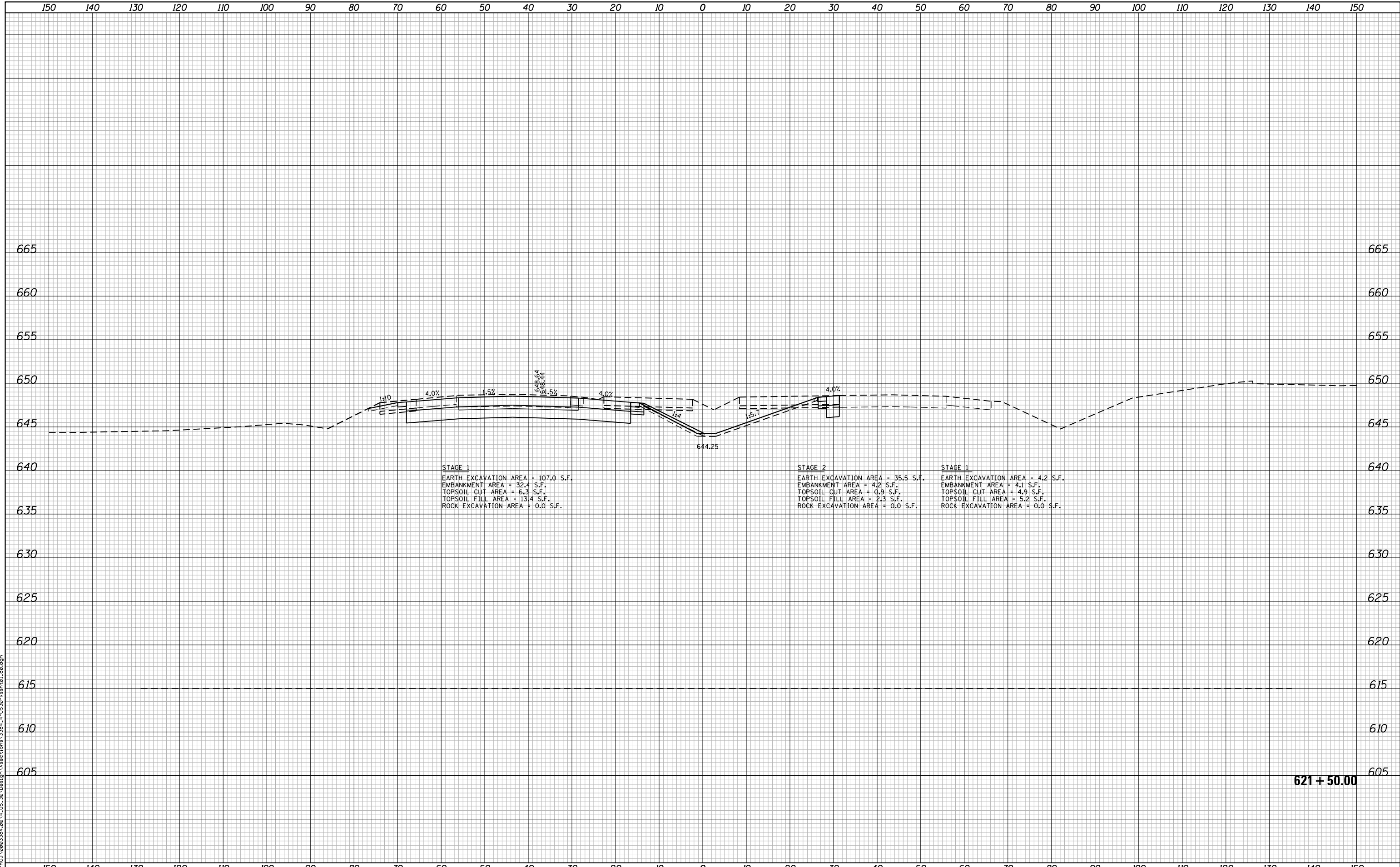
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 684 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



STAGE 1
 EARTH EXCAVATION AREA = 107.0 S.F.
 EMBANKMENT AREA = 32.4 S.F.
 TOPSOIL CUT AREA = 6.3 S.F.
 TOPSOIL FILL AREA = 13.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 35.5 S.F.
 EMBANKMENT AREA = 4.2 S.F.
 TOPSOIL CUT AREA = 0.9 S.F.
 TOPSOIL FILL AREA = 2.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 4.2 S.F.
 EMBANKMENT AREA = 4.1 S.F.
 TOPSOIL CUT AREA = 4.9 S.F.
 TOPSOIL FILL AREA = 5.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

621 + 50.00

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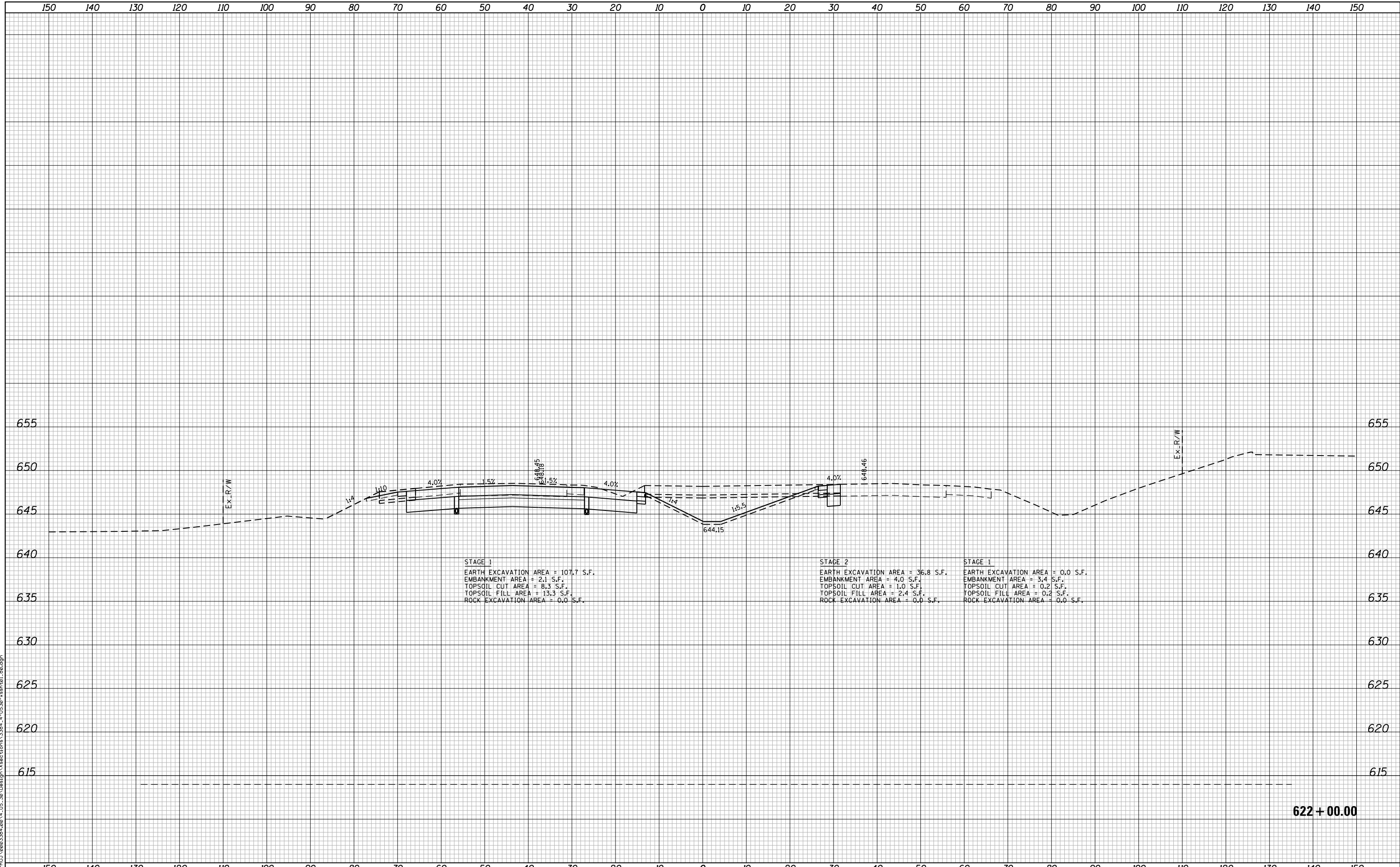
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 621+50.00 TO STA. 621+50.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 685 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



622 + 00.00

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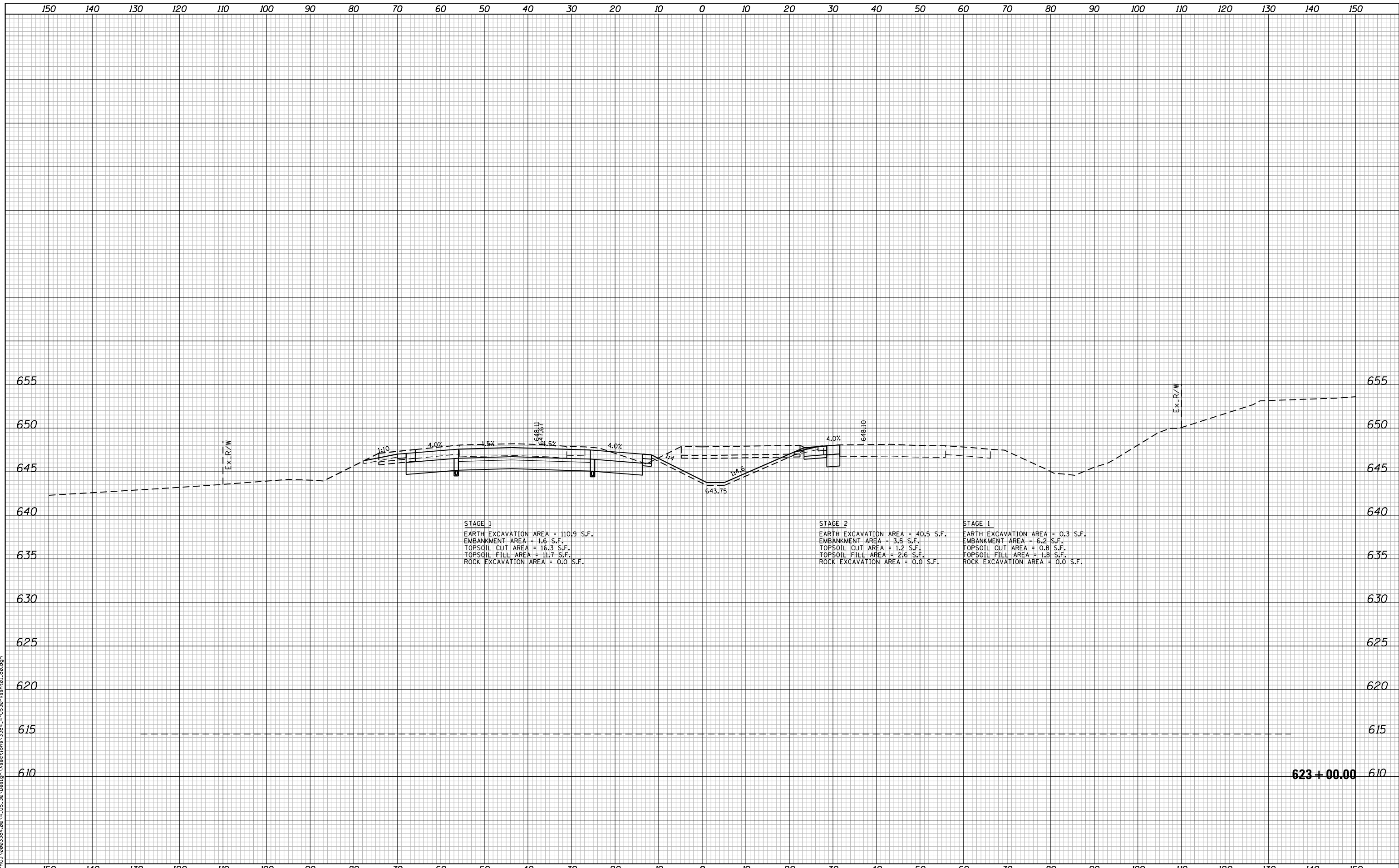
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 686 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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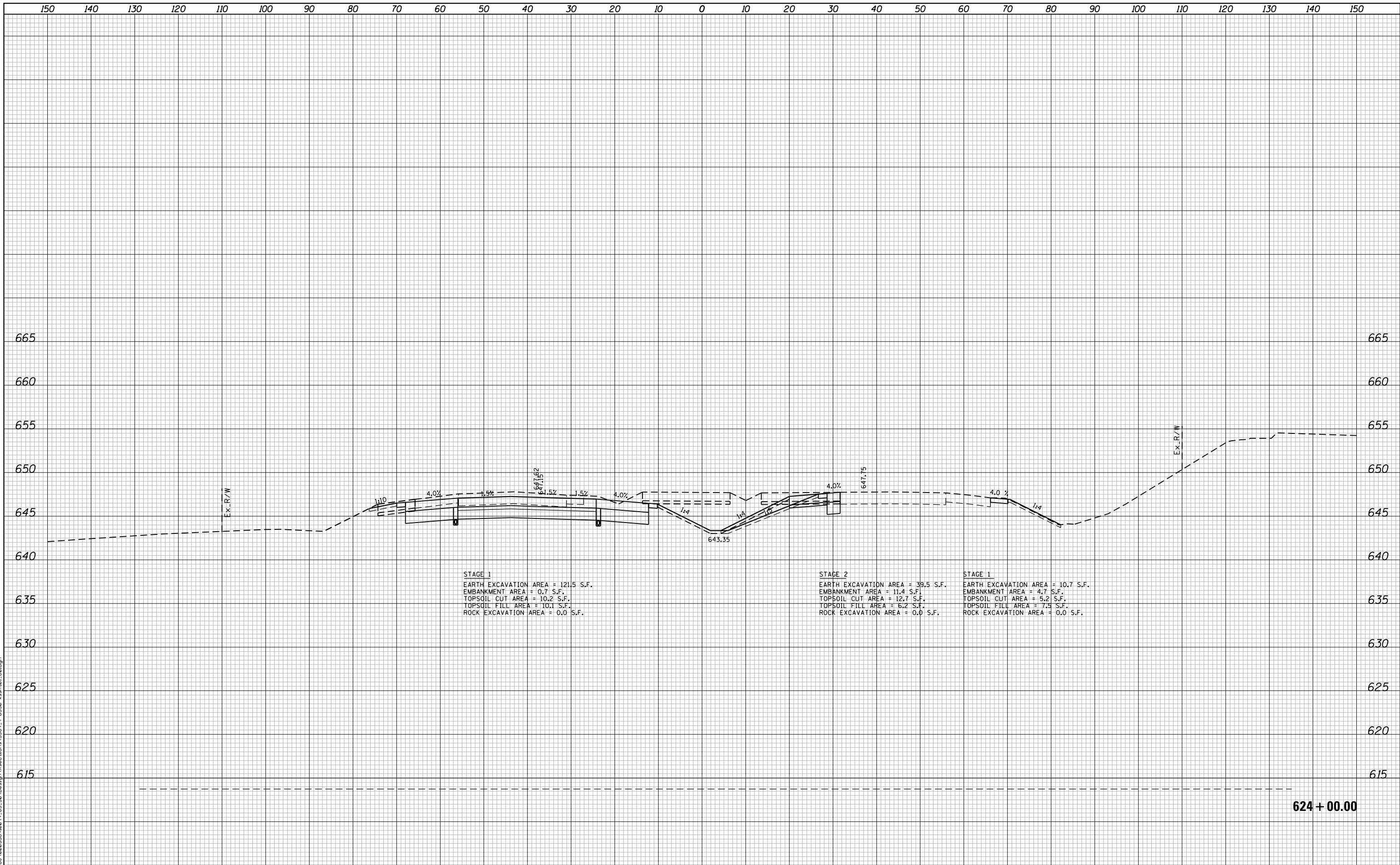

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| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|--------------------------------------|-----------|-----------|----------------------------------|
| F.A.I. 80 / US 30 INTERCHANGE | | | |
| CROSS SECTIONS | | | |
| I-80 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. 623+00.00 TO STA. 623+00.00 |

| | | | | |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80 | 99-4-1VB-1-R | WILL | 840 | 687 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



STAGE 1
 EARTH EXCAVATION AREA = 121.5 S.F.
 EMBANKMENT AREA = 0.7 S.F.
 TOPSOIL CUT AREA = 10.2 S.F.
 TOPSOIL FILL AREA = 10.1 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 39.5 S.F.
 EMBANKMENT AREA = 11.4 S.F.
 TOPSOIL CUT AREA = 12.7 S.F.
 TOPSOIL FILL AREA = 6.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 10.7 S.F.
 EMBANKMENT AREA = 4.7 S.F.
 TOPSOIL CUT AREA = 5.2 S.F.
 TOPSOIL FILL AREA = 7.5 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

624 + 00.00

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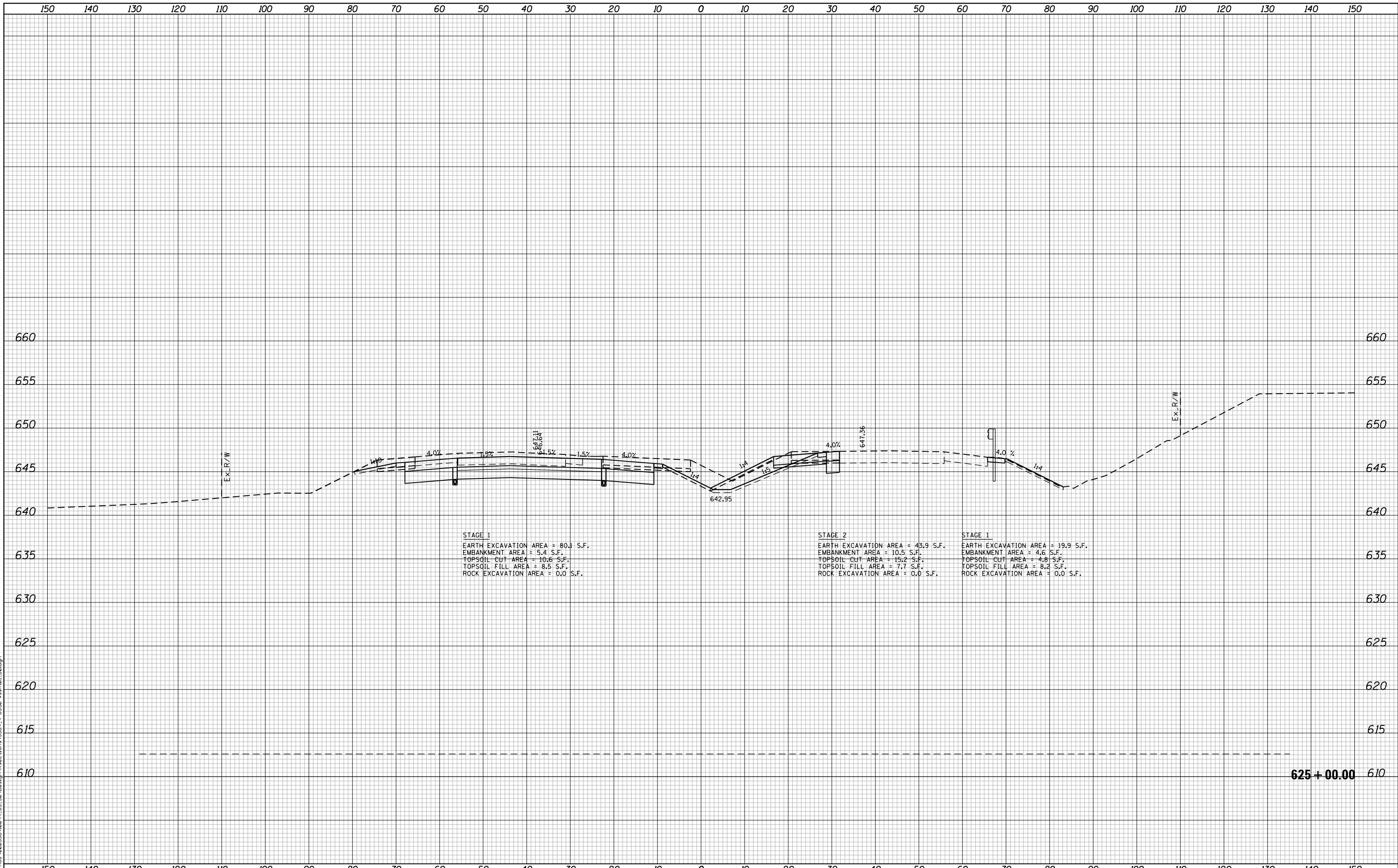
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| PLOT SCALE = 20.0000" / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 624+00.00 TO STA. 624+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 688 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



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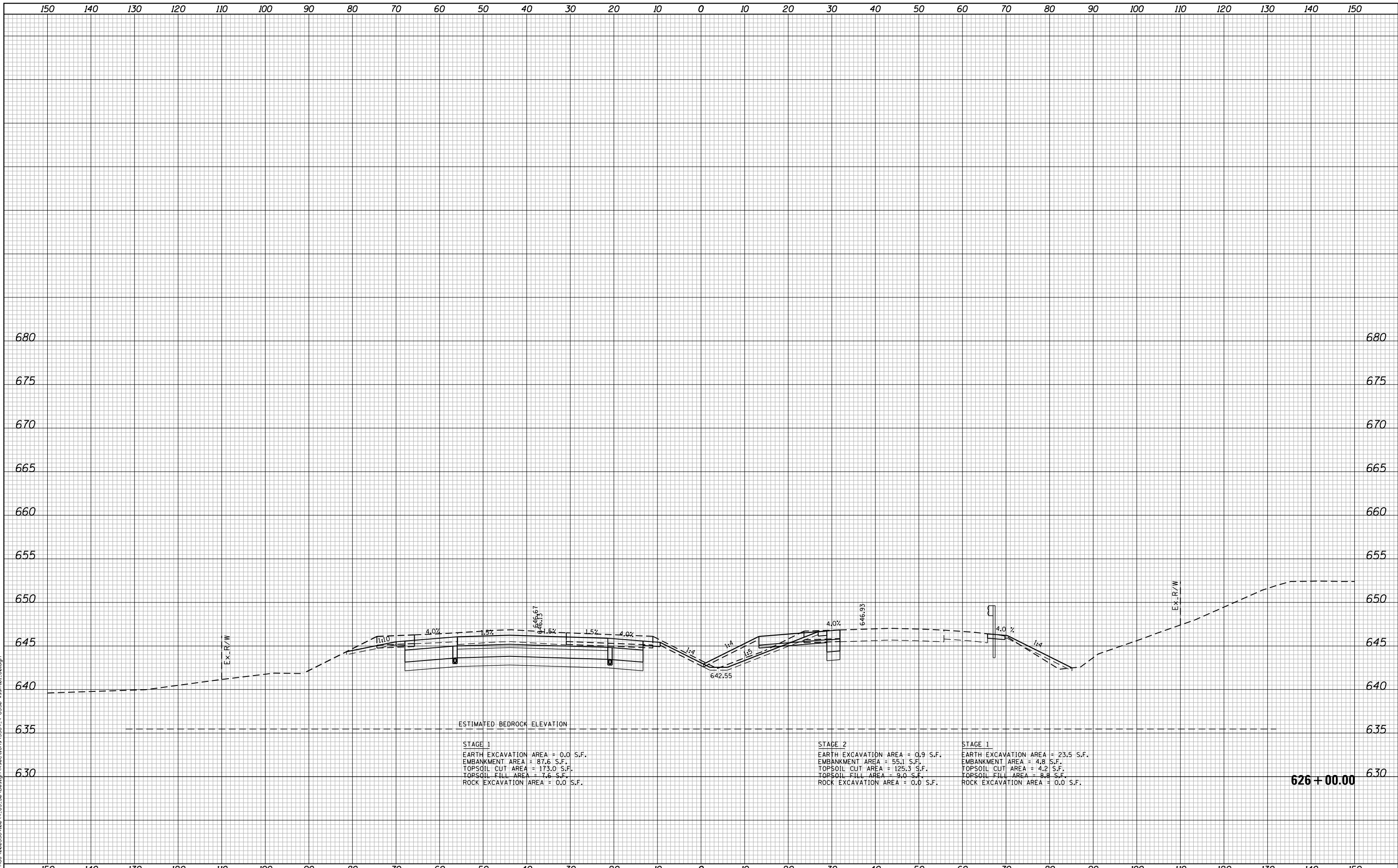
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| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80**

SCALE: SHEET NO. OF SHEETS STA. 625+00.00 TO STA. 625+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 689 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 87.6 S.F.
 TOPSOIL CUT AREA = 173.0 S.F.
 TOPSOIL FILL AREA = 7.6 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 0.9 S.F.
 EMBANKMENT AREA = 55.1 S.F.
 TOPSOIL CUT AREA = 125.3 S.F.
 TOPSOIL FILL AREA = 9.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 23.5 S.F.
 EMBANKMENT AREA = 4.8 S.F.
 TOPSOIL CUT AREA = 4.2 S.F.
 TOPSOIL FILL AREA = 8.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

626+00.00

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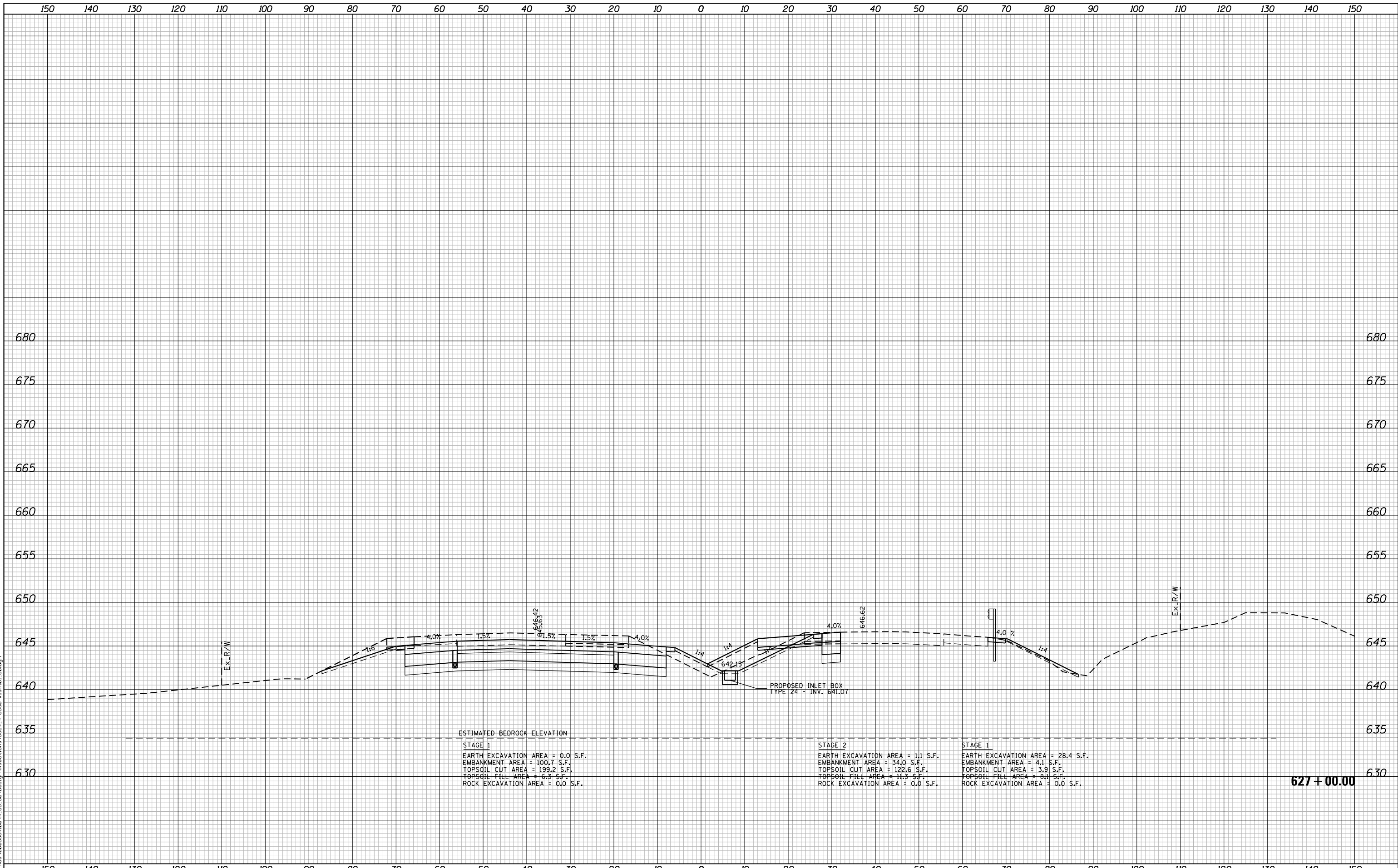
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 626+00.00 TO STA. 626+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 690 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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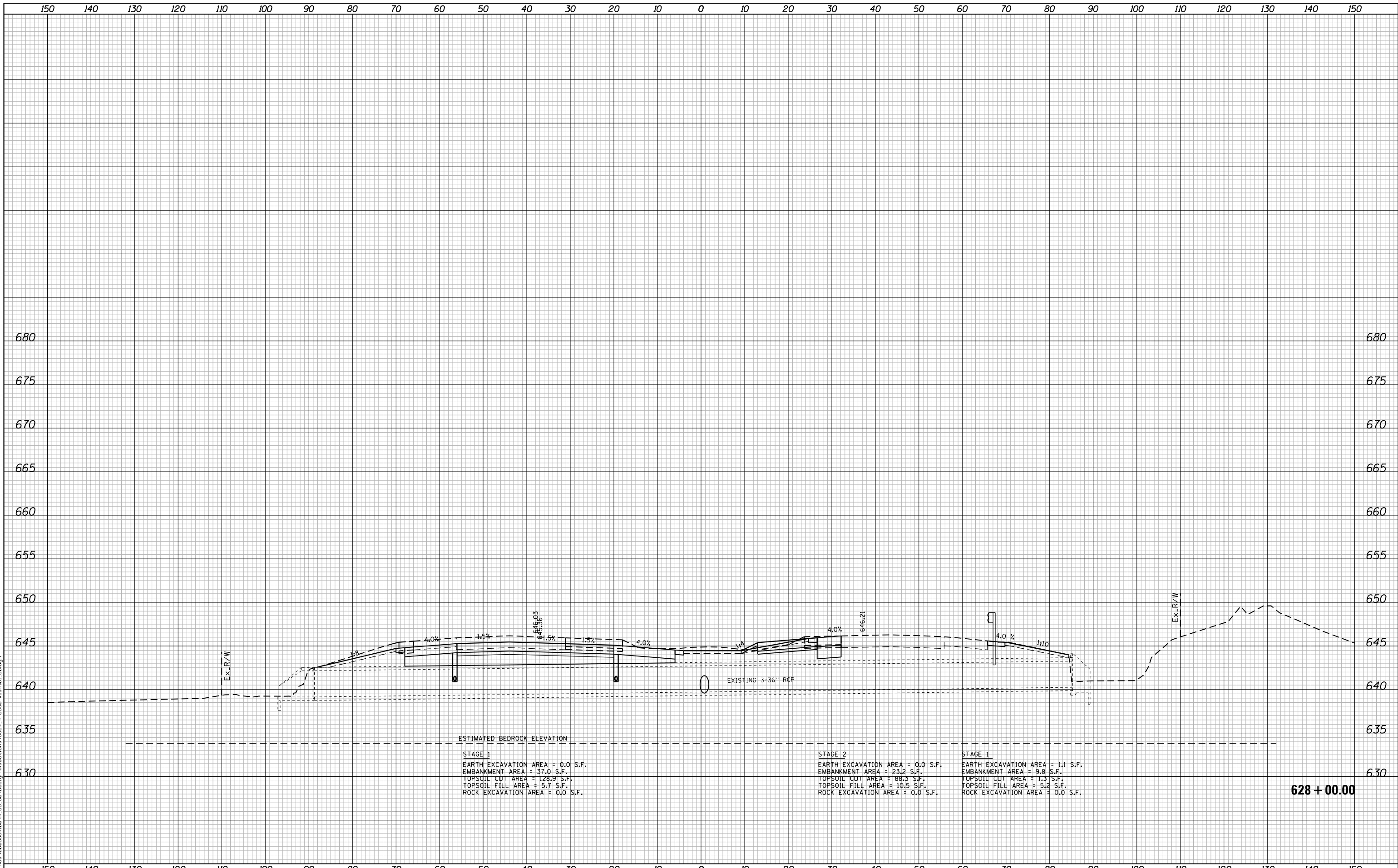
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 627+00.00 TO STA. 627+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 691 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 37.0 S.F.
 TOPSOIL CUT AREA = 128.9 S.F.
 TOPSOIL FILL AREA = 5.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 23.2 S.F.
 TOPSOIL CUT AREA = 88.3 S.F.
 TOPSOIL FILL AREA = 10.5 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 1.1 S.F.
 EMBANKMENT AREA = 9.8 S.F.
 TOPSOIL CUT AREA = 1.3 S.F.
 TOPSOIL FILL AREA = 5.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

628 + 00.00

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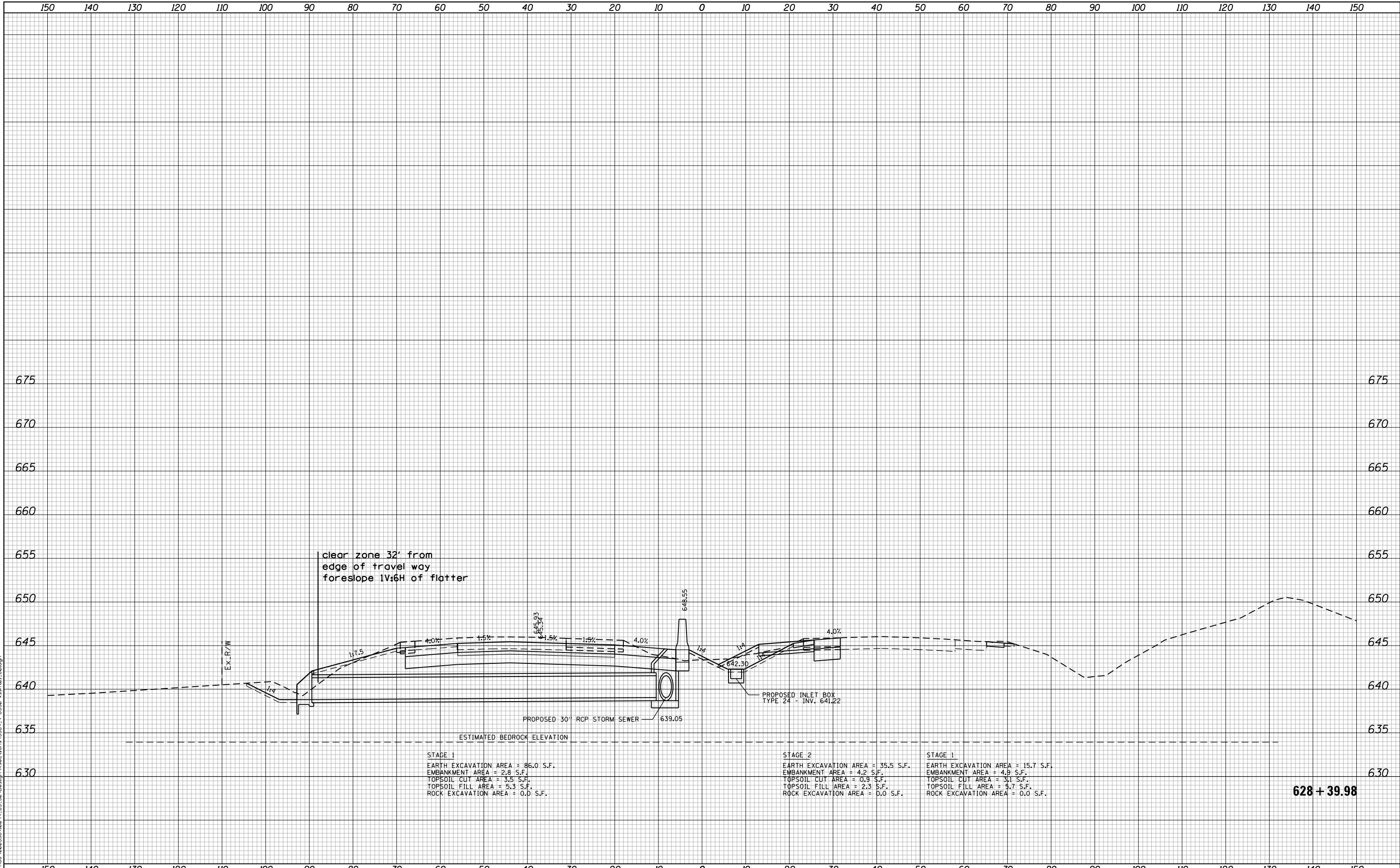
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 628+00.00 TO STA. 628+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 692 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



clear zone 32' from
edge of travel way
foreslope 1V:6H of flatter

STAGE 1
EARTH EXCAVATION AREA = 86.0 S.F.
EMBANKMENT AREA = 2.8 S.F.
TOPSOIL CUT AREA = 3.5 S.F.
TOPSOIL FILL AREA = 5.3 S.F.
ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
EARTH EXCAVATION AREA = 35.5 S.F.
EMBANKMENT AREA = 4.2 S.F.
TOPSOIL CUT AREA = 0.9 S.F.
TOPSOIL FILL AREA = 2.3 S.F.
ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
EARTH EXCAVATION AREA = 15.7 S.F.
EMBANKMENT AREA = 4.9 S.F.
TOPSOIL CUT AREA = 3.1 S.F.
TOPSOIL FILL AREA = 4.7 S.F.
ROCK EXCAVATION AREA = 0.0 S.F.

628 + 39.98

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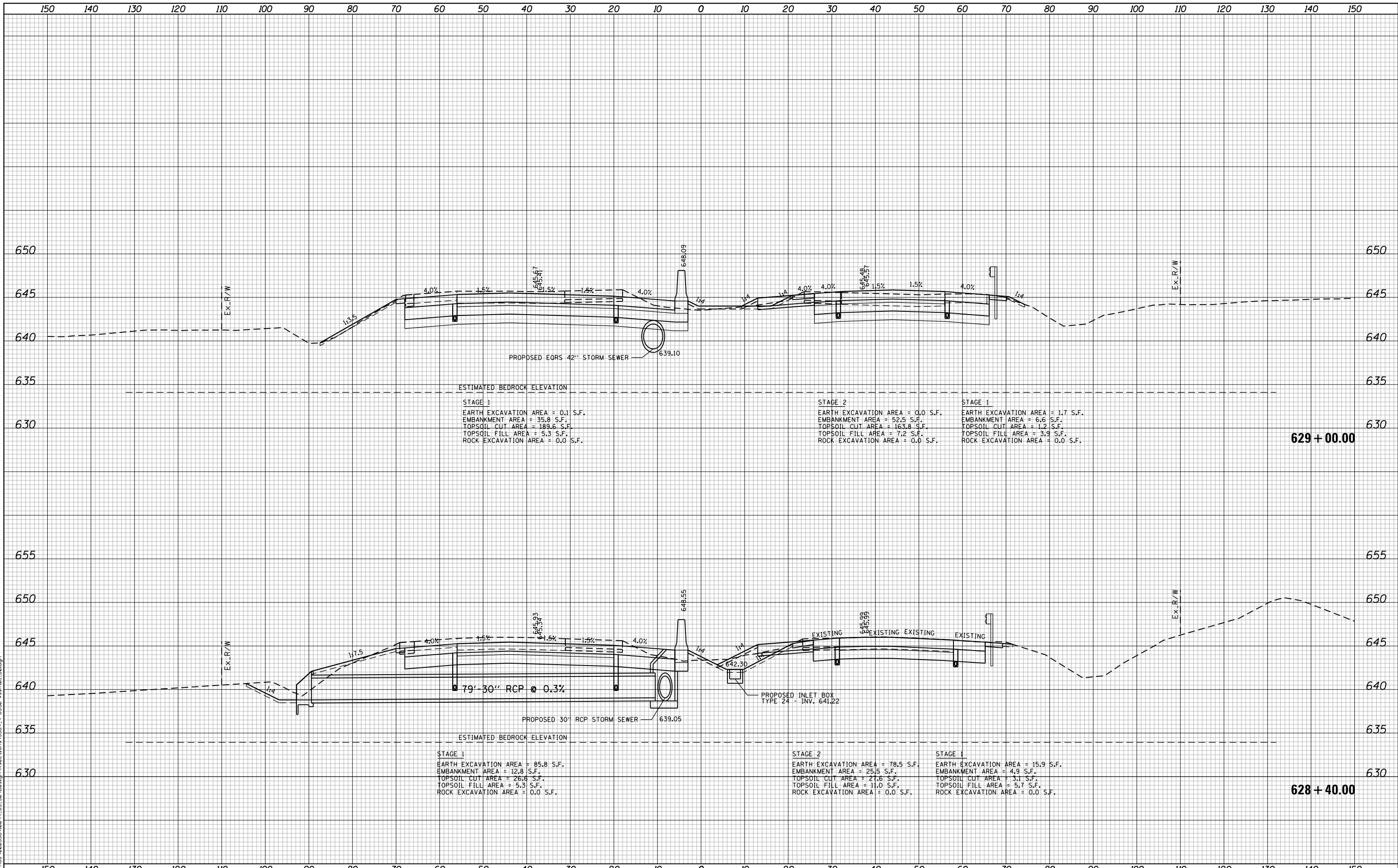
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80**

SCALE: SHEET NO. OF SHEETS STA. 628+39.98 TO STA. 628+39.98

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 693 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



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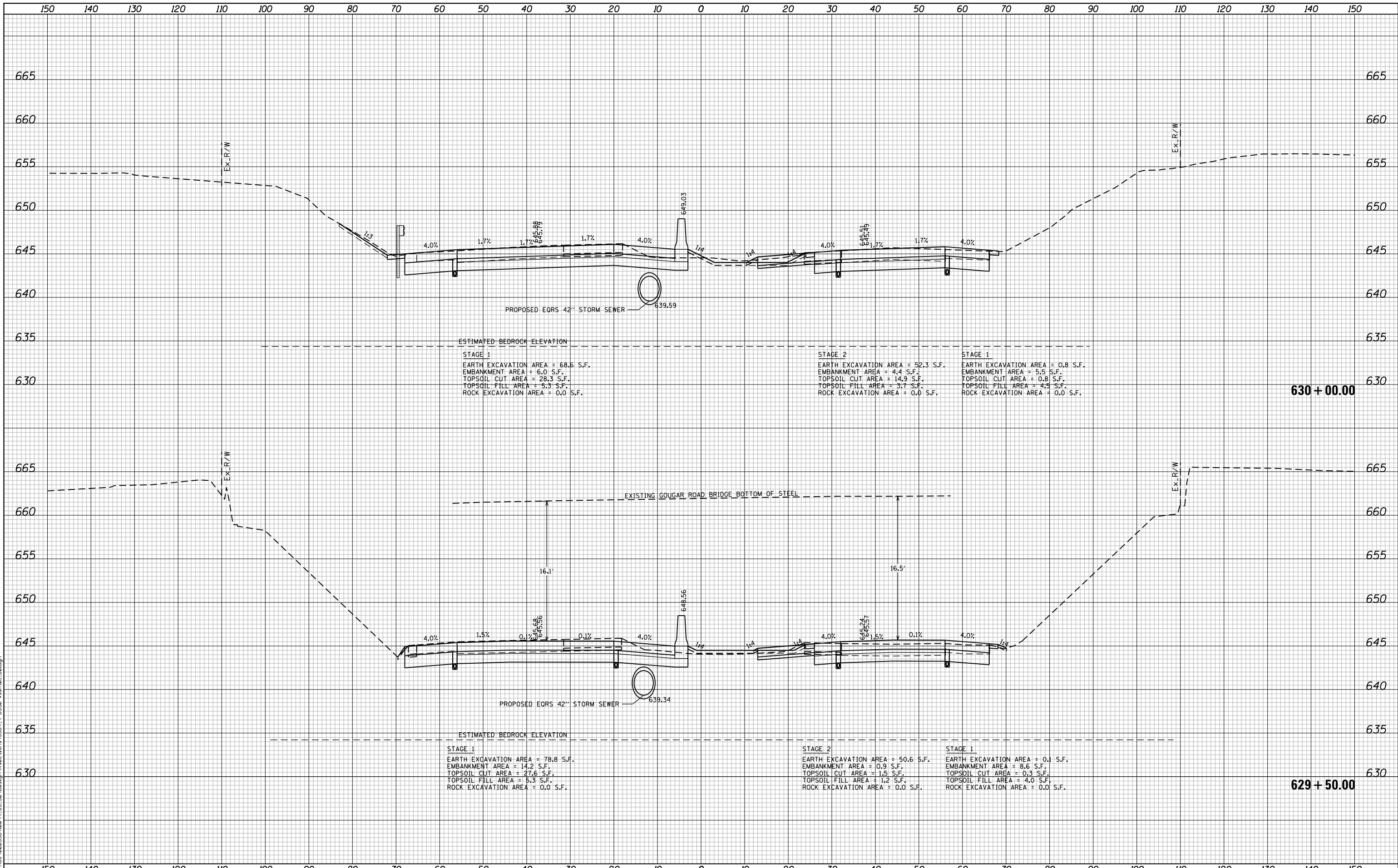
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 628+40.00 TO STA. 629+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 694 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 68.6 S.F.
 EMBANKMENT AREA = 6.0 S.F.
 TOPSOIL CUT AREA = 28.3 S.F.
 TOPSOIL FILL AREA = 5.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 52.3 S.F.
 EMBANKMENT AREA = 4.4 S.F.
 TOPSOIL CUT AREA = 14.9 S.F.
 TOPSOIL FILL AREA = 3.7 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.8 S.F.
 EMBANKMENT AREA = 5.5 S.F.
 TOPSOIL CUT AREA = 0.8 S.F.
 TOPSOIL FILL AREA = 4.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 78.8 S.F.
 EMBANKMENT AREA = 14.2 S.F.
 TOPSOIL CUT AREA = 27.6 S.F.
 TOPSOIL FILL AREA = 5.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 50.6 S.F.
 EMBANKMENT AREA = 0.9 S.F.
 TOPSOIL CUT AREA = 1.5 S.F.
 TOPSOIL FILL AREA = 1.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.1 S.F.
 EMBANKMENT AREA = 8.6 S.F.
 TOPSOIL CUT AREA = 0.3 S.F.
 TOPSOIL FILL AREA = 4.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80

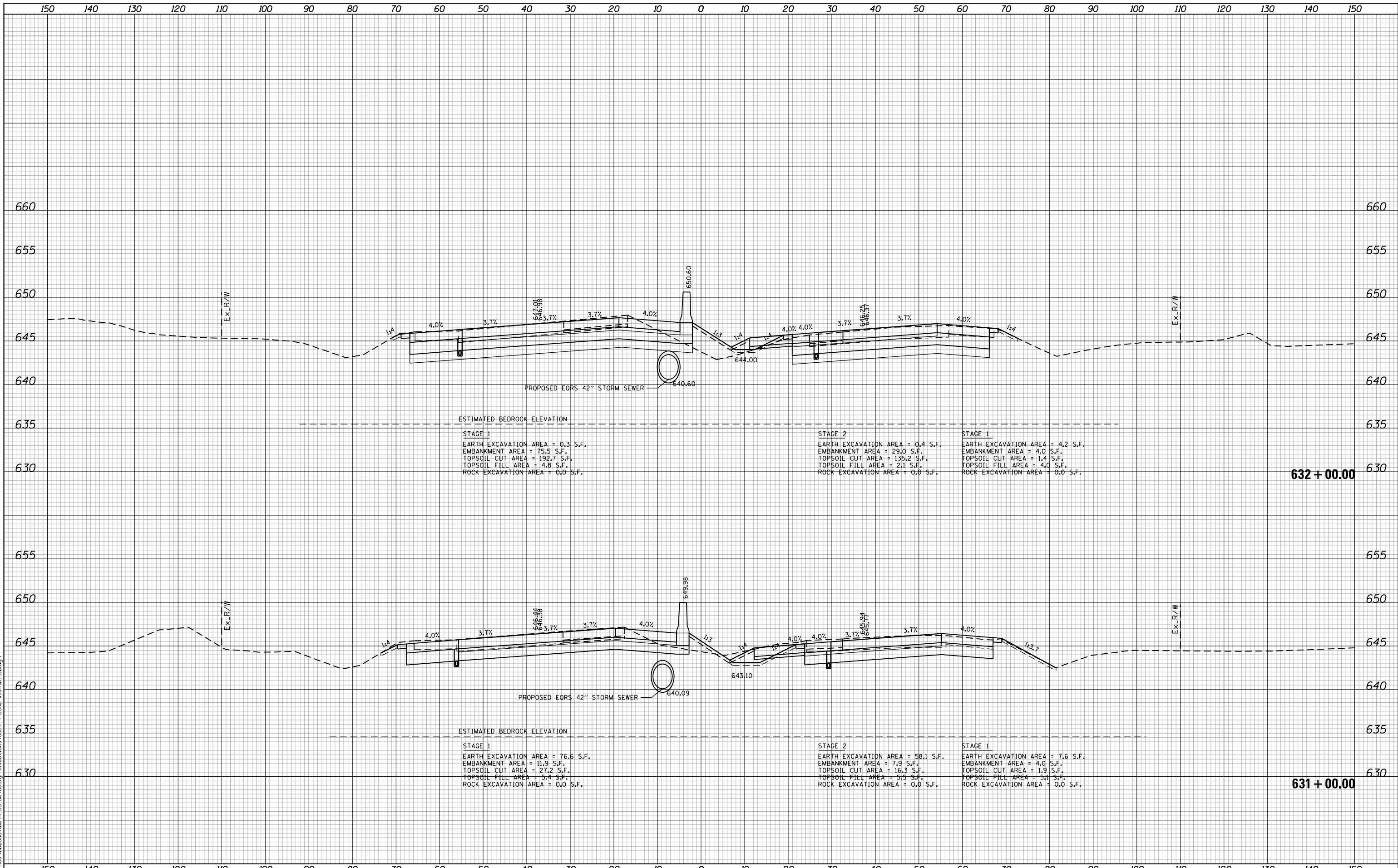
SCALE: SHEET NO. OF SHEETS STA. 629+50.00 TO STA. 630+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|-------------------------------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 695 |
| CONTRACT NO. 60N87 | | | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | |

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| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
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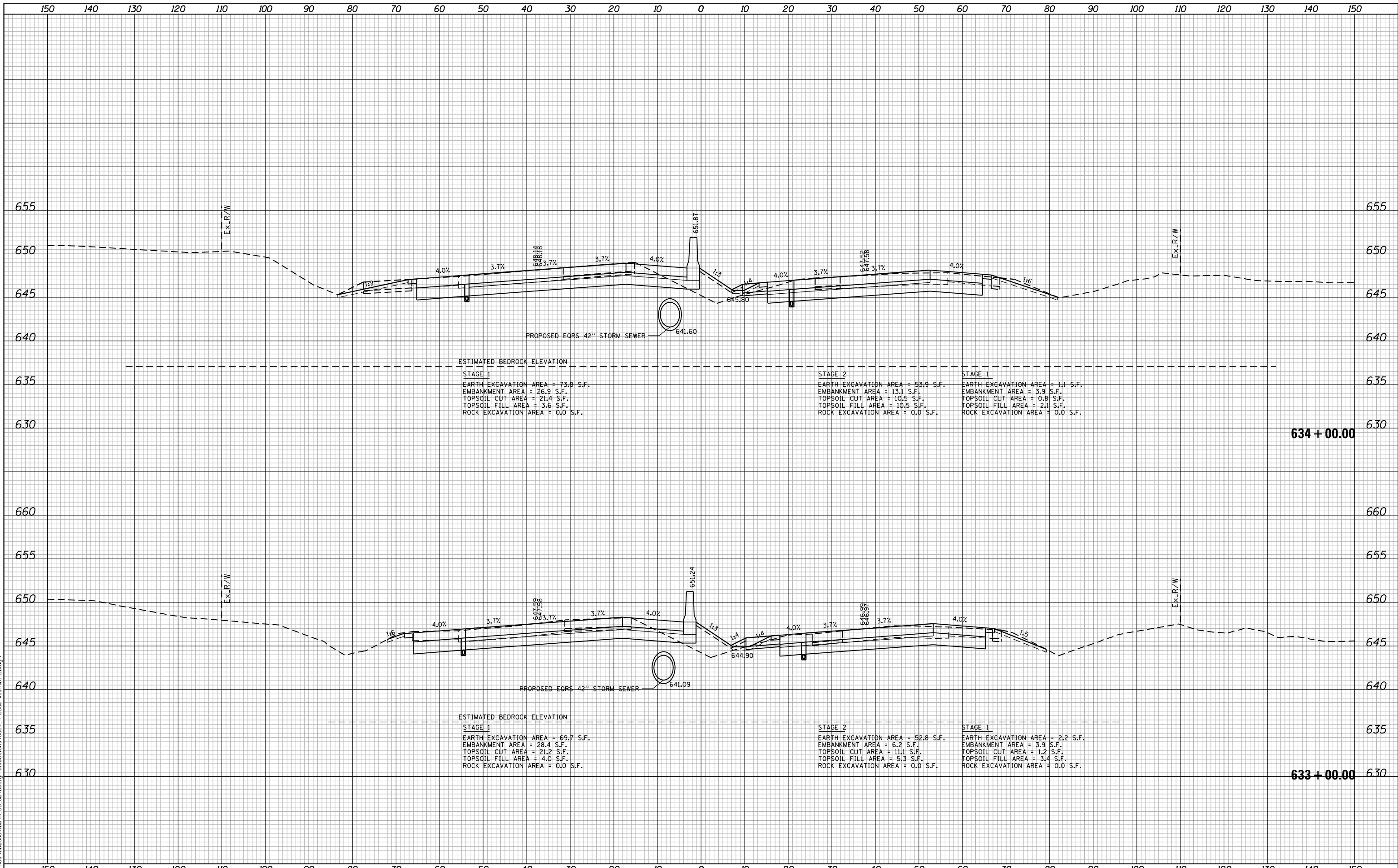
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| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 631+00.00 TO STA. 632+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 696 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 73.8 S.F.
 EMBANKMENT AREA = 26.9 S.F.
 TOPSOIL CUT AREA = 21.4 S.F.
 TOPSOIL FILL AREA = 3.6 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 53.9 S.F.
 EMBANKMENT AREA = 13.1 S.F.
 TOPSOIL CUT AREA = 10.5 S.F.
 TOPSOIL FILL AREA = 10.5 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 1.1 S.F.
 EMBANKMENT AREA = 3.9 S.F.
 TOPSOIL CUT AREA = 0.8 S.F.
 TOPSOIL FILL AREA = 2.1 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 69.7 S.F.
 EMBANKMENT AREA = 28.4 S.F.
 TOPSOIL CUT AREA = 21.2 S.F.
 TOPSOIL FILL AREA = 4.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 52.8 S.F.
 EMBANKMENT AREA = 6.2 S.F.
 TOPSOIL CUT AREA = 11.1 S.F.
 TOPSOIL FILL AREA = 5.3 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 2.2 S.F.
 EMBANKMENT AREA = 3.9 S.F.
 TOPSOIL CUT AREA = 1.2 S.F.
 TOPSOIL FILL AREA = 3.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

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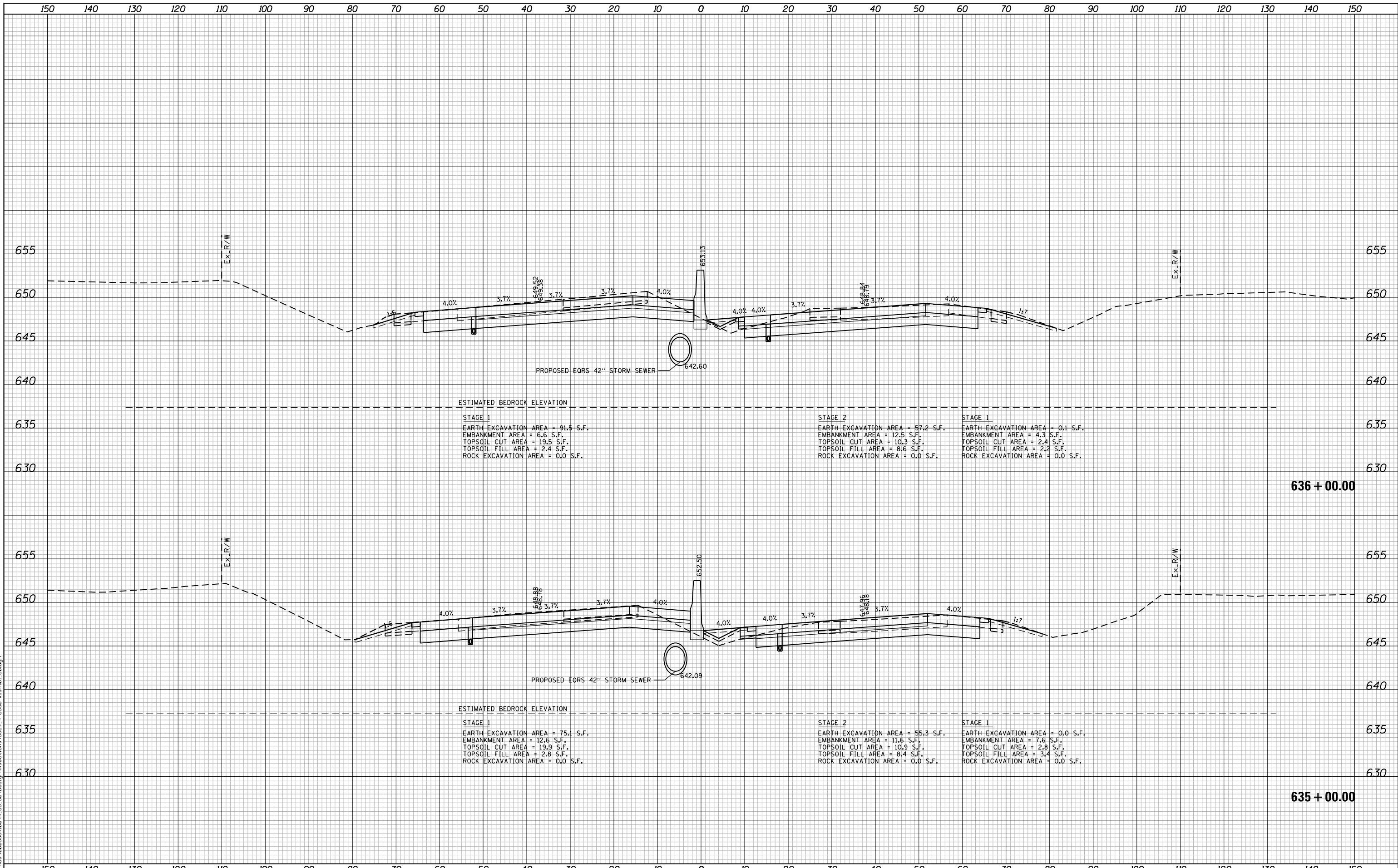
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| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 697 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 91.5 S.F.
 EMBANKMENT AREA = 6.6 S.F.
 TOPSOIL CUT AREA = 19.5 S.F.
 TOPSOIL FILL AREA = 2.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 57.2 S.F.
 EMBANKMENT AREA = 12.5 S.F.
 TOPSOIL CUT AREA = 10.3 S.F.
 TOPSOIL FILL AREA = 8.6 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.1 S.F.
 EMBANKMENT AREA = 4.3 S.F.
 TOPSOIL CUT AREA = 2.4 S.F.
 TOPSOIL FILL AREA = 2.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 75.1 S.F.
 EMBANKMENT AREA = 12.6 S.F.
 TOPSOIL CUT AREA = 19.9 S.F.
 TOPSOIL FILL AREA = 2.8 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 55.3 S.F.
 EMBANKMENT AREA = 11.6 S.F.
 TOPSOIL CUT AREA = 10.9 S.F.
 TOPSOIL FILL AREA = 8.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 1
 EARTH EXCAVATION AREA = 0.0 S.F.
 EMBANKMENT AREA = 7.6 S.F.
 TOPSOIL CUT AREA = 2.8 S.F.
 TOPSOIL FILL AREA = 3.4 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

FILE NAME = N:\PROJECTS\020334-00\4_US_30\Design\Sections\3384_4-US30-rst+01_88.dgn

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

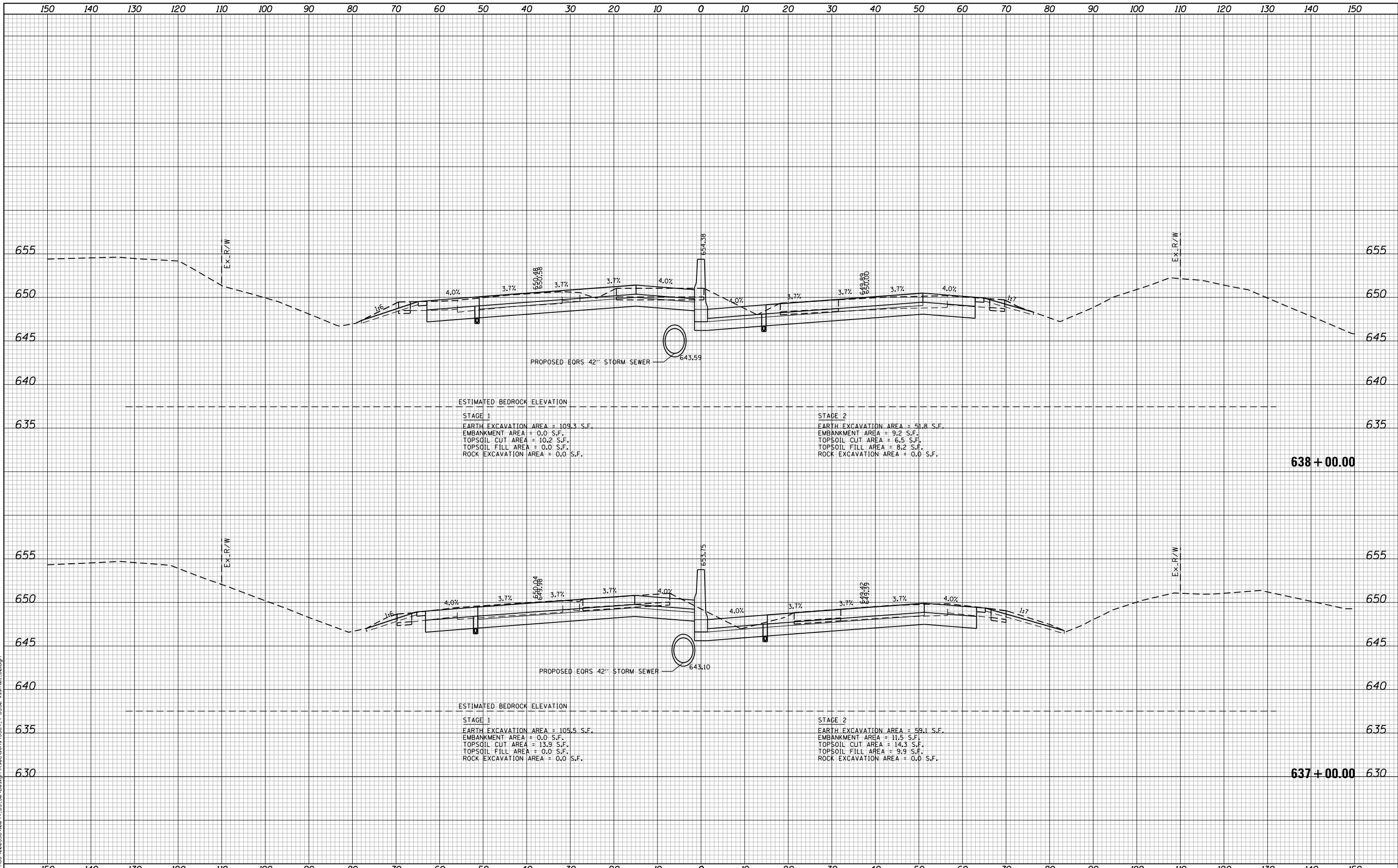
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| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - NGT | REVISED - |
| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 635+00.00 TO STA. 636+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------|--------|---------------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 698 |
| CONTRACT NO. 60N87 | | | ILLINOIS FED. AID PROJECT | |



ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 109.3 S.F.
 EMBANKMENT AREA = 0.0 S.F.
 TOPSOIL CUT AREA = 10.2 S.F.
 TOPSOIL FILL AREA = 0.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 51.8 S.F.
 EMBANKMENT AREA = 9.2 S.F.
 TOPSOIL CUT AREA = 6.5 S.F.
 TOPSOIL FILL AREA = 8.2 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

638 + 00.00

ESTIMATED BEDROCK ELEVATION

STAGE 1
 EARTH EXCAVATION AREA = 105.5 S.F.
 EMBANKMENT AREA = 0.0 S.F.
 TOPSOIL CUT AREA = 13.9 S.F.
 TOPSOIL FILL AREA = 0.0 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

STAGE 2
 EARTH EXCAVATION AREA = 59.1 S.F.
 EMBANKMENT AREA = 11.5 S.F.
 TOPSOIL CUT AREA = 14.3 S.F.
 TOPSOIL FILL AREA = 9.9 S.F.
 ROCK EXCAVATION AREA = 0.0 S.F.

637 + 00.00

FILE NAME = N:\PROJECTS\0203284.00\4_US_30\Design\Sections\3284_4-US30-rst-01.80.dgn

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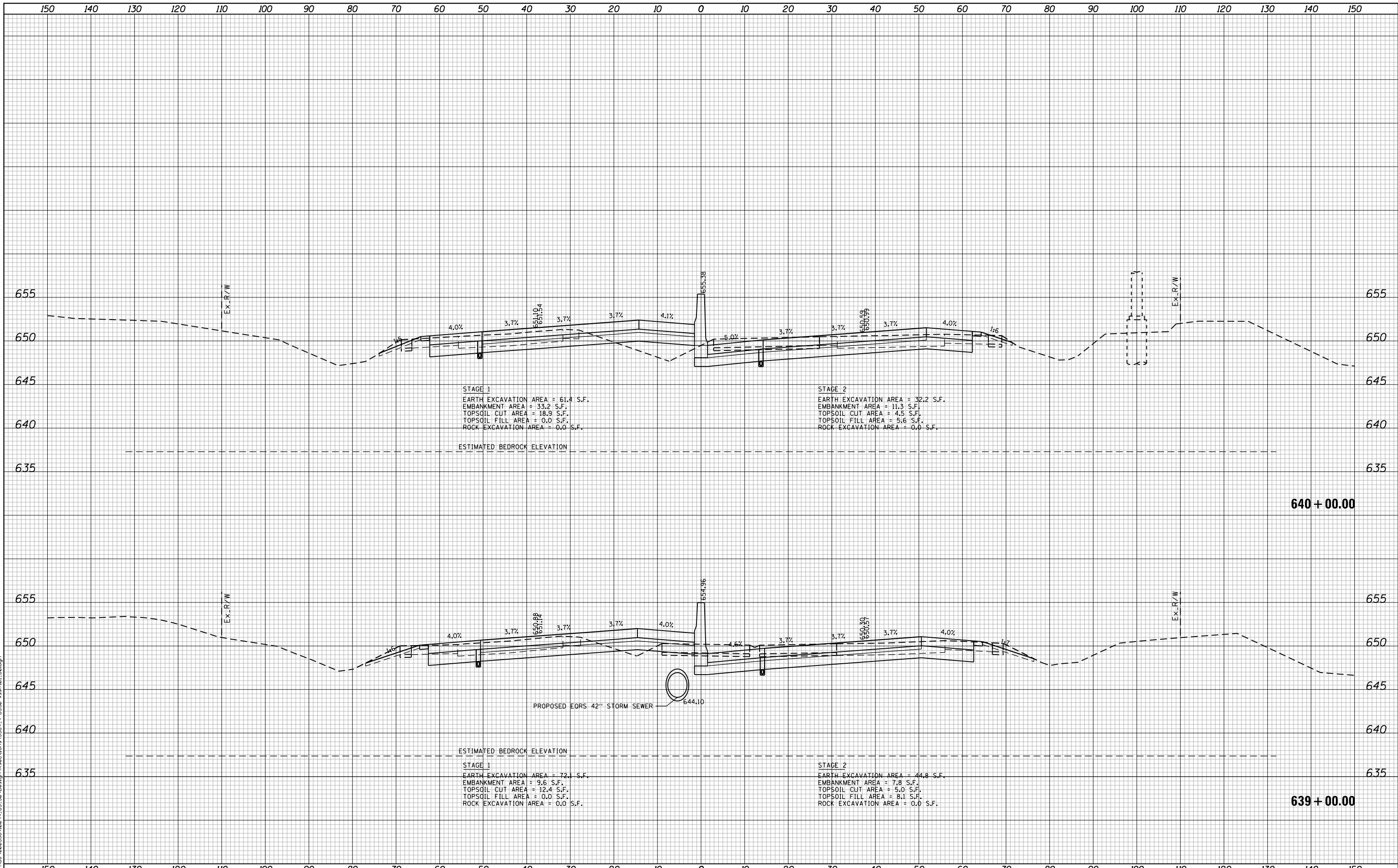
| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| | DRAWN - NGT | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - DJO | REVISED - |
| PLOT DATE = 5/9/2018 | DATE - 05/10/2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 / US 30 INTERCHANGE
CROSS SECTIONS
I-80

SCALE: SHEET NO. OF SHEETS STA. 637+00.00 TO STA. 638+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 699 |
| CONTRACT NO. 60N87 | | | | |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | | |



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Ciorba Group, Inc.
 CONSULTING ENGINEERS
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| | | |
|-----------------------------|-------------------|-----------|
| USER NAME = NTUMBEV | DESIGNED - EPS | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - NGT | REVISED - |
| PLOT DATE = 5/9/2018 | CHECKED - DJO | REVISED - |
| | DATE - 05/10/2018 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 80 / US 30 INTERCHANGE
 CROSS SECTIONS
 I-80**

SCALE: SHEET NO. OF SHEETS STA. 639+00.00 TO STA. 640+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------------------------|--------------|--------|--------------------|-----------|
| 80 | 99-4-1VB-1-R | WILL | 840 | 700 |
| FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60N87 | |