

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**TAP FUNDS
FAU ROUTE 9321 (SOUTH MARKET STREET)
SECTION 17-00045-02-BT
PROJECT WQI5 (116)
SHARED-USE PATH
CITY OF WATERLOO
MONROE COUNTY**

C-98-005-19

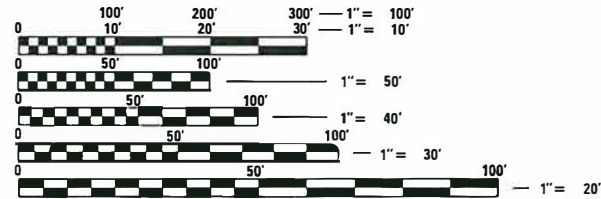
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|----------|--------------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 1 |
| | | ILLINOIS | CONTRACT NO. 97719 | |

INDEX OF SHEETS

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DESIGN DESIGNATION

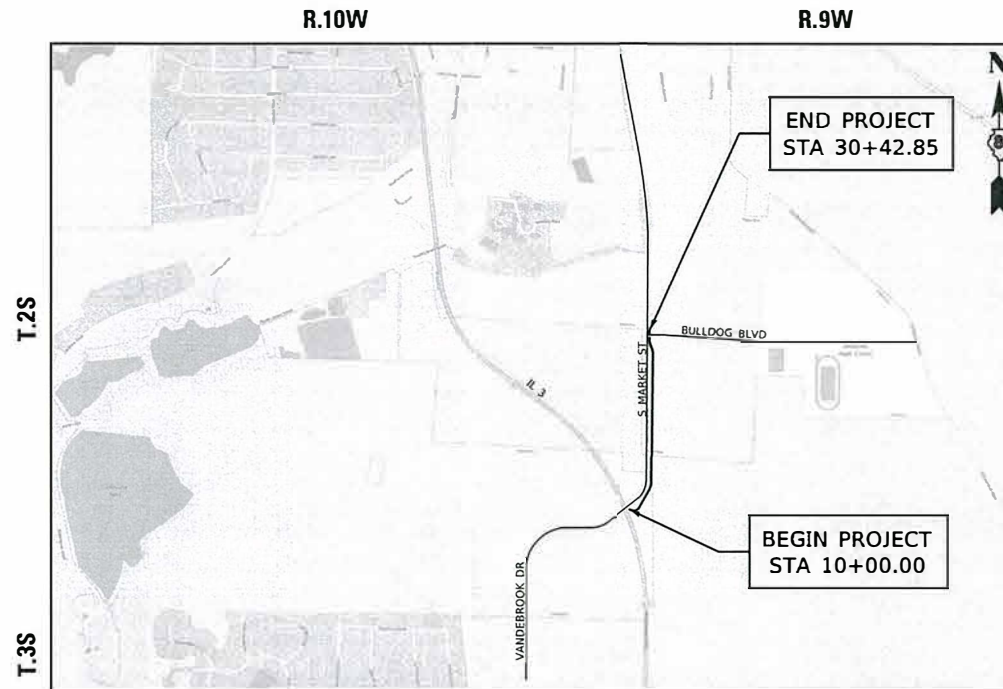
CLASSIFICATION = SHARED-USE PATH
DESIGN SPEED = 18 MPH
ADT = LESS THAN 100 USERS/PEAK HR



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 EXCAVATORS
1-800-892-0123
OR 811

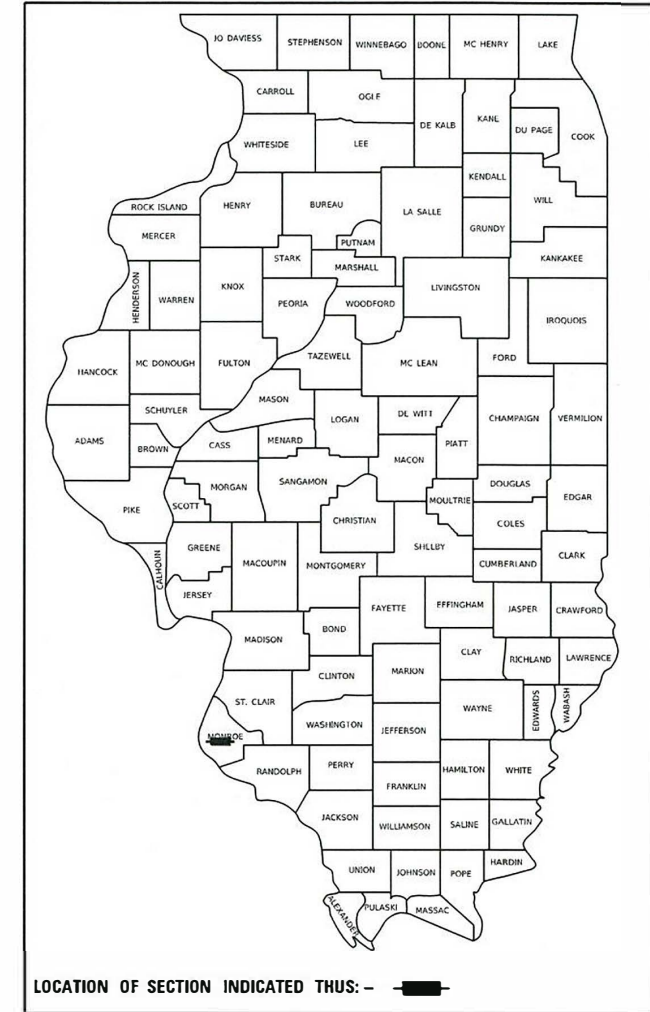
PREPARED BY:
HMG
Engineers • Surveyors
HMG ENGINEERS, INC.
IL PROF. DESIGN FIRM NO. 184.000899
EXPIRES 04/30/2021



LOCATION MAP



GROSS LENGTH = 2,042.850 FT. = 0.387 MILE
NET LENGTH = 2,042.850 FT. = 0.387 MILE



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

| | |
|---|--|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |
| APPROVED | January 9 th 20 20 <i>[Signature]</i> CITY OF WATERLOO - MAYOR |
| PASSED | February 10, 20 20 <i>[Signature]</i> DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS |
| RELEASED FOR BID BASED ON LIMITED REVIEW | February 10, 20 20 <i>[Signature]</i> REGION 5 ENGINEER |

LICENSED PROFESSIONAL ENGINEER
SCOTT A. RAKERS
062-049177
ILLINOIS REGISTERED ENGINEER NO. 062-049177
REGISTRATION EXPIRES NOV 30, 2021
[Signature] 01/10/2020

LIST OF IDOT HIGHWAY STANDARDS

| | |
|-----------|---|
| 000001-08 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-09 | PAVEMENT JOINTS |
| 424001-11 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542306-03 | PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION |
| 602401-07 | PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER |
| 602406-11 | PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER |
| 602601-06 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-05 | FRAME AND LIDS, TYPE 1 |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-08 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS) |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| BLR 28 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |

GENERAL NOTES

1. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS FIBER AND GAS LINES, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
5. ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED AND VEGETATION RE-ESTABLISHED BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING AND SHAPING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
6. ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE.
7. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

KNOWN UTILITY COMPANIES

| | | |
|---|---|---|
| <u>HARRISONVILLE TELEPHONE</u> THOMAS R. SCHRIEBER (618) 939-9256 (618) 741-0256 htctrs@htc.net | <u>MONROE COUNTY ELECTRIC COOP</u> KEITH JONES (618) 939-7171 (618) 334-1510 | <u>CITY OF WATERLOO (GAS & ELECTRIC)</u> BRIAN HOFFMANN (618) 939-8600 x209 |
|---|---|---|

APPLICATION RATES

| | |
|-------------------------------|-----------------|
| AGGREGATE MATERIALS | 2.05 TONS/CU YD |
| NITROGEN FERTILIZER | 90 LBS/ACRE |
| PHOSPHORUS FERTILIZER | 90 LBS/ACRE |
| POTASSIUM FERTILIZER | 90 LBS/ACRE |
| AGRICULTURAL GROUND LIMESTONE | 2 TONS/ACRE |

COMMITMENTS

NONE

SUMMARY OF QUANTITIES

| SPEC. PROV. | SPECIALTY ITEM | CODE NO. | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|----------------|----------|--|-------|----------------|
| * | | 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 8 |
| | | 20200100 | EARTH EXCAVATION | CU YD | 180 |
| | | 20400800 | FURNISHED EXCAVATION | CU YD | 275 |
| * | | 20800150 | TRENCH BACKFILL | CU YD | 13 |
| | | 21101505 | TOPSOIL EXCAVATION AND PLACEMENT | CU YD | 1,315 |
| | | 21400100 | GRADING AND SHAPING DITCHES | FOOT | 189 |
| * | | 25000110 | SEEDING, CLASS 1A | ACRE | 2 |
| * | | 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 155 |
| * | | 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 155 |
| * | | 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 155 |
| * | | 25000700 | AGRICULTURAL GROUND LIMESTONE | TON | 4 |
| * | | 25100630 | EROSION CONTROL BLANKET | SQ YD | 8,338 |
| | | 28000305 | TEMPORARY DITCH CHECKS | FOOT | 140 |
| | | 28000400 | PERIMETER EROSION BARRIER | FOOT | 1,461 |
| | | 28000500 | INLET AND PIPE PROTECTION | EACH | 6 |
| | | 28000510 | INLET FILTERS | EACH | 1 |
| | | 28100105 | STONE RIPRAP, CLASS A3 | SQ YD | 147 |
| | | 28200200 | FILTER FABRIC | SQ YD | 147 |
| | | 35400300 | PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8" | SQ YD | 22 |
| | | 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 13 |
| | | 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH | SQ YD | 88 |
| * | | 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 14,874 |
| | | 42400800 | DETECTABLE WARNINGS | SQ FT | 52 |
| | | 44000100 | PAVEMENT REMOVAL | SQ YD | 24 |

FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510.SHT_500.dgn
HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

| | | | | |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 3 |
| CONTRACT NO. 97719 | | | ILLINOIS FED. AID PROJECT | |

SUMMARY OF QUANTITIES

| SPEC. PROV. | SPECIALTY ITEM | CODE NO. | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|----------------|----------|--|-------|----------------|
| | | 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 60 |
| | | 44000600 | SIDEWALK REMOVAL | SQ FT | 1,514 |
| * | | 50105220 | PIPE CULVERT REMOVAL | FOOT | 37 |
| | | 54213669 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | EACH | 2 |
| | | 54214509 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" | EACH | 3 |
| * | | 542D1060 | PIPE CULVERTS, CLASS D, TYPE 2 15" | FOOT | 5 |
| | | 550A2560 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24" | FOOT | 172 |
| | | 550A2580 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30" | FOOT | 14 |
| | | 550A4100 | STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24" | FOOT | 65 |
| | | 60218300 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | EACH | 1 |
| | | 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 |
| | | 60223800 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 |
| | | 60604400 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 | FOOT | 59.5 |
| | | 67100100 | MOBILIZATION | L SUM | 1 |
| * | | 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 37 |
| * | | 72900200 | METAL POST - TYPE B | FOOT | 116 |
| * | | 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | FOOT | 128 |
| * | | 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | FOOT | 26 |
| * | | X0320050 | CONSTRUCTION LAYOUT (SPECIAL) | L SUM | 1 |
| * | | X0322936 | REMOVE EXISTING FLARED END SECTION | EACH | 2 |
| * | | X0323265 | REMOVE EXISTING RIPRAP | SQ YD | 246 |
| * | | X0327590 | LOCATING UNDERGROUND UTILITIES | L SUM | 1 |
| * | | X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 |
| # | | Z0076600 | TRAINEES | HOURL | 500 |
| * | * | X7240600 | REMOVE AND RE-ERECT EXISTING SIGN | EACH | 2 |
| # | | Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOURL | 500 |

#0042

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HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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 DATE -

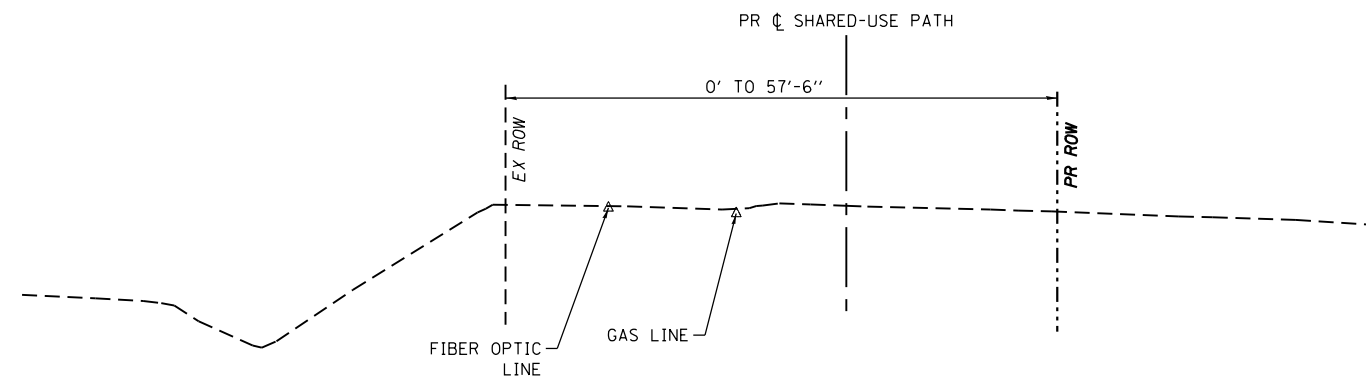
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

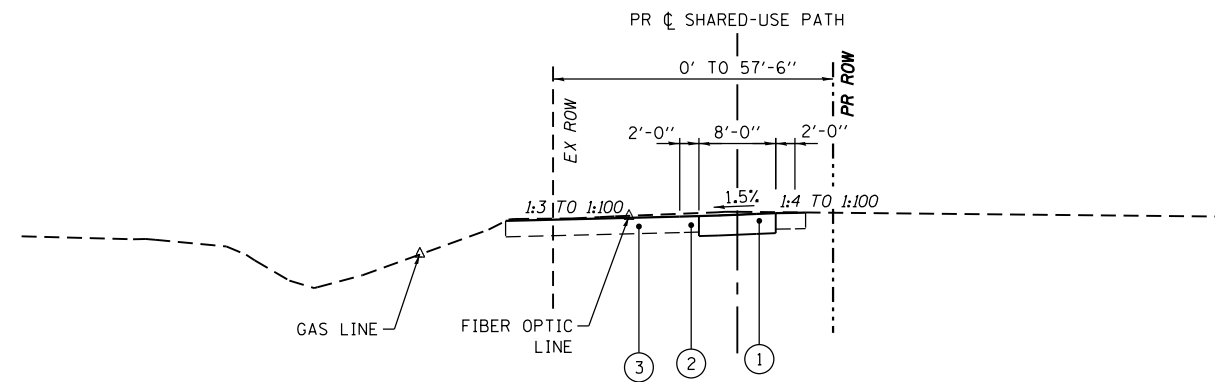
SUMMARY OF QUANTITIES

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

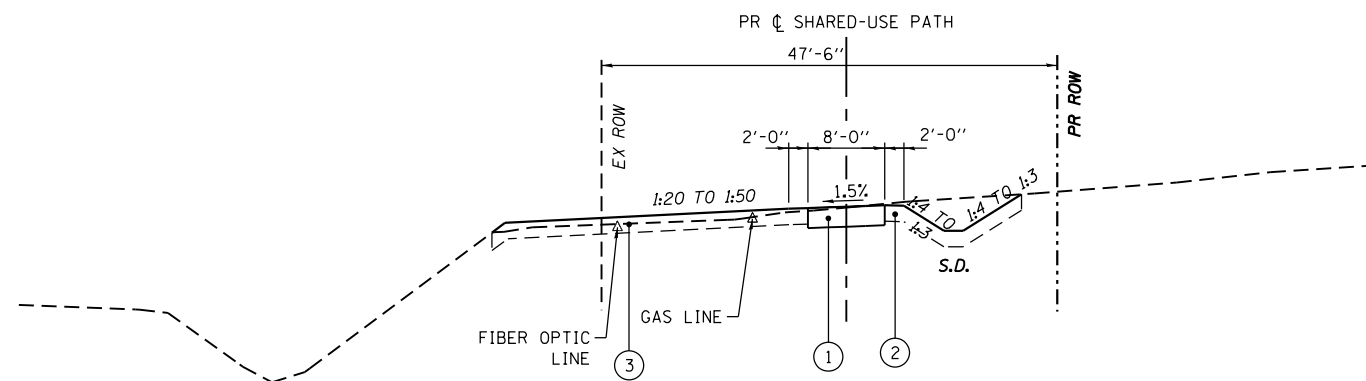
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|---------------------------|----------------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 4 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 97719 | |



EXISTING TYPICAL SECTION
STA 10+00 TO STA 30+42.85



PROPOSED TYPICAL SECTION
STA 10+00 TO STA 19+60
STA 28+20 TO STA 29+69



PROPOSED TYPICAL SECTION
STA 19+60 TO STA 28+20

NOTES

1. THE PROPOSED SHARED-USE PATH ENDS AT STATION 29+69. STATION 29+69 TO STATION 30+42.85 INCLUDES GRADING AND DRAINAGE ITEMS.
2. THE UTILITIES SHOWN ON THE TYPICAL SECTIONS ARE SHOWN FOR LOCATION PURPOSES ONLY.
3. PCC DRIVEWAY PAVEMENT 8" SHALL BE USED FROM STATION 27+26.27 TO STATION 27+74.46.

TYPICAL SECTION LEGEND

- ① PCC SIDEWALK 5 INCH (SHARED USE PATH)
- ② EARTH SHOULDERS
- ③ TOPSOIL

| | | |
|---|------------|-----------|
| FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510_SHT_TYPICAL.dgn | DESIGNED - | REVISED - |
| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | DRAWN - | REVISED - |
| USER NAME = jkempwerth | CHECKED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DATE - | REVISED - |
| PLOT DATE = 1/29/2020 | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 5 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 97719 | |

EARTHWORK

| LOCATION | 1 | 2 | 3 | 4 | 5 | 6 |
|------------------------------|----------------------------------|------------------|--|---------------------|------------------|---|
| | TOPSOIL EXCAVATION AND PLACEMENT | EARTH EXCAVATION | EARTH EXCAVATION AVAILABLE FOR USE AS EMBANKMENT | REQUIRED EMBANKMENT | REQUIRED TOPSOIL | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
| | CU YD | CU YD | CU YD | CU YD | CU YD | CU YD |
| SHARED-USE PATH | | | | | | |
| STA 10+00.00 TO STA 28+80.00 | 1,311.8 | 175.4 | 131.6 | 396.5 | 854.4 | -135.5 |
| STA 28+80.00 TO STA 30+42.85 | | | | 100.4 | 38.9 | -139.3 |
| TOTAL: | 1,311.8 | 175.4 | 131.6 | 496.9 | 893.3 | -274.8 |
| USE: | 1,315 | 180 | 135 | 500 | 895 | 275 |

NOTES:

- COLUMN 1: ESTIMATED VOLUME OF CUT MATERIAL PRODUCED BY REMOVAL OF THE EXISTING TOPSOIL. THIS VOLUME HAS BEEN CALCULATED USING THE AREA WITHIN THE CONSTRUCTION LIMITS EXCLUDING THE EXISTING SIDEWALK, RIPRAP AND ENTRANCES AT A CONSTANT DEPTH OF FIVE INCHES (5").
- COLUMN 2: ESTIMATED VOLUME OF CUT MATERIAL PRODUCED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS VOLUME HAS BEEN CALCULATED USING CROSS-SECTION END AREAS ALONG THE SHARED-USE PATH MINUS THE TOPSOIL EXCAVATION (COLUMN 1).
- COLUMN 3: ESTIMATED VOLUME OF EXCAVATED MATERIAL (EXCLUDING TOPSOIL) AVAILABLE FOR USE IN EMBANKMENT (0.75 x COLUMN 2). **NOT A PAY ITEM.**
- COLUMN 4: ESTIMATED VOLUME OF FILL MATERIAL REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THIS VOLUME HAS BEEN CALCULATED USING CROSS-SECTION END AREAS AND DOES NOT INCLUDE THE TOPSOIL VOLUME REQUIRED TO BE PLACED WITHIN THE PROPOSED CONSTRUCTION LIMITS. **NOT A PAY ITEM.**
- COLUMN 5: ESTIMATED VOLUME OF TOPSOIL REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THIS VOLUME HAS BEEN CALCULATED USING THE SEEDING QUANTITY WITHIN THE CONSTRUCTION LIMITS, EXCLUDING THE PROPOSED SHARED-USE PATH/ENTRANCES/SIDEWALK/RIPRAP AT A CONSTANT DEPTH OF FOUR INCHES (4"). **NOT A PAY ITEM.**
- COLUMN 6: ESTIMATED EARTHWORK MATERIAL BALANCE (**FURNISHED EXCAVATION**). THIS VOLUME HAS BEEN CALCULATED USING THE REMAINING TOPSOIL AND THE EARTH EXCAVATION AVAILABLE FOR USE AS EMBANKMENT TO REDUCE THE SHORTAGE OF EARTH MATERIAL (COLUMN 6 = COLUMN 4 - COLUMN 3 - [(0.75 x COLUMN 1) - COLUMN 5]).

PAVING

| LOCATION | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH | AGGREGATE SURFACE COURSE, TYPE B | PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8" | COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18 |
|------------------------------|--|---|----------------------------------|--|---|
| | SQ FT | SQ YD | TON | SQ YD | FOOT |
| SHARED-USE PATH | | | | | |
| STA 10+00.00 TO STA 12+55.99 | 2,047.9 | | | | |
| STA 12+72.43 TO STA 18+87.56 | 4,921.1 | | | | |
| STA 18+99.77 TO STA 27+26.27 | 6,612.0 | | | | |
| STA 27+74.46 TO STA 28+85.95 | 906.9 | | | | |
| STA 29+54.07 TO STA 29+69.22 | 385.3 | | | | |
| STA 12+55.99 TO STA 12+72.43 | | 25.6 | 8.0 | | |
| STA 18+87.56 TO STA 18+99.77 | | 19.0 | 4.7 | | |
| STA 27+26.27 TO STA 27+74.46 | | 42.8 | | | |
| STA 28+75.38 TO STA 28+96.78 | | | | 16.0 | |
| STA 29+46.56 TO STA 29+60.77 | | | | 5.9 | |
| STA 28+73.32 TO STA 28+93.49 | | | | | 34.0 |
| STA 29+48.88 TO STA 29+62.57 | | | | | 25.4 |
| TOTAL: | 14,873.2 | 87.4 | 12.7 | 21.9 | 59.3 |
| USE: | 14,874 | 88 | 13 | 22 | 59.5 |

STORM SEWER

| ID | LOCATION | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 | | STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24" | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" | PIPE CULVERTS, CLASS D, TYPE 2 15" | TRENCH BACKFILL | STONE RIPRAP, CLASS A3 | FILTER FABRIC | INLET AND PIPE PROTECTION | INLET FILTERS |
|------------------------|------------------------|---|---|---|--|------|---|---|--|------------------------------------|-----------------|------------------------|---------------|---------------------------|---------------|
| | | EACH | EACH | EACH | 24" | 30" | FOOT | FOOT | EACH | EACH | FOOT | CU YD | SQ YD | SQ YD | EACH |
| SHARED-USE PATH | | | | | | | | | | | | | | | |
| P1 | STA 27+47.73 11.66' RT | | | | | | 36.0 | | | | | | | | |
| P2 | STA 27+74.81 35.47' LT | | | | 59.5 | | | | | | | | | | |
| P3 | STA 28+18.90 19.14' LT | | | | 34.5 | | | | | | | | | | |
| P4 | STA 28+28.64 .46' LT | | | | | | 28.5 | | | | 4.9 | | | | |
| P5 | STA 28+41.19 11.27' LT | | | | | 14.0 | | | | | | | | | |
| FES1 | STA 27+25.35 12.00' RT | | | | | | | | 1 | | | 22.8 | 22.8 | 1 | |
| FES2 | STA 27+68.01 16.78' RT | | | | | | | | 1 | | | 67.6 | 67.6 | 1 | |
| FES3 | STA 27+24.89 40.97' LT | | | | | | | 1 | | | | 22.9 | 22.9 | 1 | |
| FES4 | STA 28+19.46 17.56' RT | | | | | | | | 1 | | | | | 1 | |
| P6 | STA 29+59.68 10.65' RT | | | | 8.0 | | | | | | 3.2 | | | | |
| P7 | STA 29+93.83 1.56' LT | | | | 70.0 | | | | | | 4.8 | | | | |
| FES5 | STA 30+33.65 11.31' LT | | | | | | | 1 | | | | 33.4 | 33.4 | | |
| 1 | STA 28+02.70 25.14' LT | 1 | | | | | | | | | | | | | 1 |
| 2 | STA 28+35.10 13.15' LT | | | 1 | | | | | | | | | | | |
| 3 | STA 29+59.83 6.77' RT | | 1 | | | | | | | | | | | | |
| P8 | STA 10+27.00 10.54' LT | | | | | | | | | 5 | | | | 1 | |
| | STA 12+86.55 28.68' LT | | | | | | | | | | | | | 1 | |
| | STA 18+81.02 59.57' LT | | | | | | | | | | | | | 1 | |
| TOTAL: | | 1 | 1 | 1 | 172 | 14 | 64.5 | 2 | 3 | 5 | 12.9 | 146.7 | 146.7 | 6 | 1 |
| USE: | | 1 | 1 | 1 | 172 | 14 | 65 | 2 | 3 | 5 | 13 | 147 | 147 | 6 | 1 |

EROSION CONTROL

| LOCATION | | | | | | PERIMETER EROSION BARRIER | TEMPORARY DITCH CHECKS | GRADING AND SHAPING DITCHES |
|------------------------|----------|--------|----|-----|----------|---------------------------|------------------------|-----------------------------|
| | | | | | | FOOT | FOOT | FOOT |
| SHARED-USE PATH | | | | | | | | |
| STA | 10+28.13 | RT | TO | STA | 12+39.98 | RT | 234.5 | |
| STA | 12+84.75 | RT | TO | STA | 17+39.86 | RT | 464.4 | |
| STA | 19+58.03 | RT | TO | STA | 27+19.89 | RT | 761.9 | |
| STA | 10+27.22 | 13.03' | LT | TO | STA | 10+53.89 | 28.70' | LT |
| STA | 26+74.89 | 40.54' | LT | TO | STA | 27+24.89 | 40.97' | LT |
| STA | 27+40.36 | 41.18' | LT | TO | STA | 28+02.70 | 25.14' | LT |
| STA | 28+02.70 | 25.14' | LT | TO | STA | 28+29.73 | 17.83' | LT |
| STA | 28+23.15 | 21.38' | RT | TO | STA | 28+62.26 | 44.65' | RT |
| STA | 10+62.71 | | LT | | | | | |
| STA | 19+91.47 | | RT | | | | | |
| STA | 20+22.47 | | RT | | | | | |
| STA | 20+53.47 | | RT | | | | | |
| STA | 20+84.47 | | RT | | | | | |
| STA | 21+15.47 | | RT | | | | | |
| STA | 21+46.47 | | RT | | | | | |
| STA | 21+77.47 | | RT | | | | | |
| STA | 22+08.47 | | RT | | | | | |
| STA | 22+39.47 | | RT | | | | | |
| STA | 22+70.47 | | RT | | | | | |
| STA | 23+01.47 | | RT | | | | | |
| STA | 23+32.47 | | RT | | | | | |
| STA | 23+90.30 | | RT | | | | | |
| STA | 24+47.80 | | RT | | | | | |
| STA | 25+04.95 | | RT | | | | | |
| STA | 25+62.80 | | RT | | | | | |
| STA | 26+20.30 | | RT | | | | | |
| STA | 26+77.80 | | RT | | | | | |
| TOTAL: | | | | | | 1,460.8 | 140 | 189 |
| USE: | | | | | | 1,461 | 140 | 189 |

PAVEMENT MARKING AND SIGNING

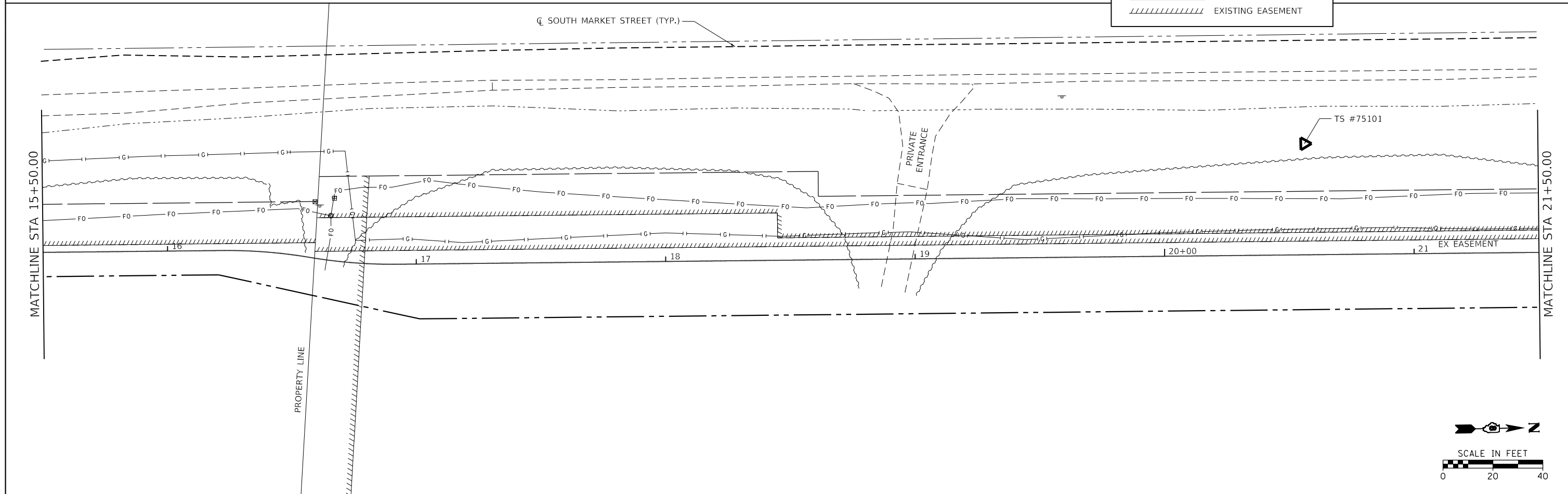
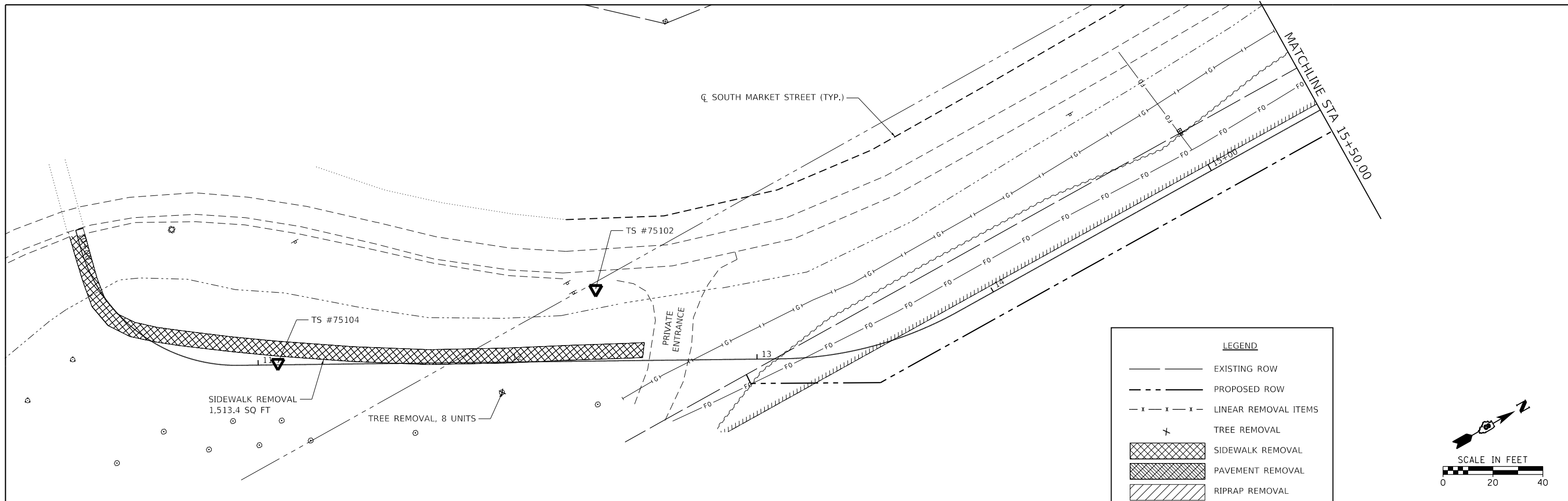
| ID | LOCATION | | | | | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | SIGN PANEL - TYPE 1 | METAL POST - TYPE B | REMOVE AND RE-ERECT EXISTING SIGN | DETECTABLE WARNINGS |
|------------------------|----------|----------|--------|----|-----|---|---|---------------------|---------------------|-----------------------------------|---------------------|
| | | | | | | WHITE FOOT | WHITE FOOT | | | | |
| SHARED-USE PATH | | | | | | | | | | | |
| STA | 28+84.72 | 5.00' | LT | TO | STA | 29+54.84 | 5.00' | LT | 70.11 | | |
| STA | 28+91.49 | 5.00' | RT | TO | STA | 29+49.05 | 5.00' | RT | 57.55 | | |
| STA | 29+21.27 | 10.50' | RT | TO | STA | 29+46.46 | 12.13' | RT | 25.5 | | |
| 1 | STA | 10+10.00 | 16.00' | RT | | | | | 4 | 13 | |
| 2 | STA | 10+10.00 | 8.00' | RT | | | | | 7 | 14 | |
| 3 | STA | 10+10.00 | 8.00' | LT | | | | | 2.25 | 12 | |
| 4 | STA | 28+42.00 | 16.50' | LT | | | | | 4 | 13 | |
| 5 | STA | 28+67.50 | 8.00' | LT | | | | | 7 | 14 | |
| 6 | STA | 28+81.50 | 8.00' | RT | | | | | 2.25 | 12 | |
| 7 | STA | 30+12.50 | 86.50' | LT | | | | | 4 | 13 | |
| 9 | STA | 29+57.34 | 10.62' | RT | | | | | 2.25 | 12 | |
| 11 | STA | 29+45.50 | 56.00' | RT | | | | | 4 | 13 | |
| 10 | STA | 29+64.55 | 9.15' | LT | TO | STA | 29+51.50 | 13.00' | RT | | 1 |
| 8 | STA | 29+82.39 | 18.27' | LT | TO | STA | 29+65.00 | 8.00' | LT | | 1 |
| | STA | 10+00.00 | | | | | | | | | 16 |
| | STA | 28+85.95 | | | | | | | | | 19.6 |
| | STA | 29+56.68 | | | | | | | | | 16 |
| TOTAL: | | | | | | 127.7 | 25.5 | 36.8 | 116 | 2 | 51.6 |
| USE: | | | | | | 128 | 26 | 37 | 116 | 2 | 52 |

SEEDING

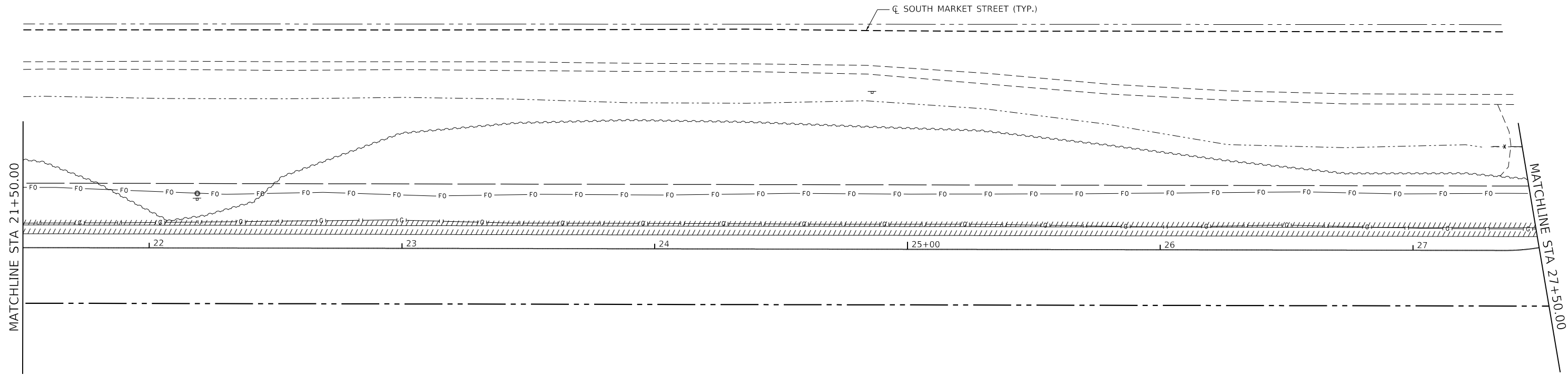
| LOCATION | SEEDING, CLASS 1A | NITROGEN FERTILIZER NUTRIENT | PHOSPHORUS FERTILIZER NUTRIENT | POTASSIUM FERTILIZER NUTRIENT | AGRICULTURAL GROUND LIMESTONE | EROSION CONTROL BLANKET | | | | | |
|------------------------|-------------------|------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------|-------|-------|-------|---------|---------|
| | ACRE | POUND | POUND | POUND | TON | SQ YD | | | | | |
| SHARED-USE PATH | | | | | | | | | | | |
| STA | 10+00.00 | TO | STA | 12+55.99 | 0.2 | 16.2 | 16.2 | 16.2 | 0.4 | 873.5 | |
| STA | 12+72.43 | TO | STA | 18+87.56 | 0.5 | 43.1 | 43.1 | 43.1 | 1.0 | 2,318.3 | |
| STA | 18+99.77 | TO | STA | 28+85.95 | 1.0 | 88.6 | 88.6 | 88.6 | 2.0 | 4,762.4 | |
| STA | 29+54.07 | TO | STA | 30+42.85 | 0.1 | 7.1 | 7.1 | 7.1 | 0.2 | 383.4 | |
| TOTAL: | | | | | | 1.7 | 155.0 | 155.0 | 155.0 | 3.4 | 8,337.7 |
| USE: | | | | | | 2 | 155 | 155 | 155 | 4 | 8,338 |

REMOVALS

| LOCATION | | | | | | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | SIDEWALK REMOVAL | PAVEMENT REMOVAL | COMBINATION CURB AND GUTTER REMOVAL | PIPE CULVERT REMOVAL | REMOVE EXISTING FLARED END SECTION | REMOVE EXISTING RIPRAP |
|------------------------|----------|--------|----|-----|----------|---------------------------------------|------------------|------------------|-------------------------------------|----------------------|------------------------------------|------------------------|
| | | | | | | UNITS | SQ FT | SQ YD | FOOT | FOOT | EACH | SQ YD |
| SHARED-USE PATH | | | | | | | | | | | | |
| STA | 11+97.56 | 12.09' | RT | | | 8.0 | | | | | | |
| STA | 10+00.00 | | TO | STA | 12+54.50 | 4.17' | LT | 1,513.4 | | | | |
| STA | 28+76.55 | 18.06' | LT | TO | STA | 28+98.65 | 11.20' | RT | 17.4 | | | |
| STA | 29+45.63 | 7.84' | RT | TO | STA | 29+60.05 | 14.47' | LT | 6.1 | | | |
| STA | 28+73.33 | 13.72' | LT | TO | STA | 28+93.56 | 13.05' | RT | 33.9 | | | |
| STA | 29+48.89 | 9.18' | RT | TO | STA | 29+62.57 | 12.04' | LT | 25.4 | | | |
| STA | 27+30.76 | 40.98' | LT | TO | STA | 27+81.08 | 32.41' | LT | 36.8 | | | |
| STA | 28+43.20 | 9.97' | LT | | | | | | | 1.0 | | |
| STA | 29+59.79 | 12.74' | RT | | | | | | | 1.0 | | |
| STA | 28+28.38 | 18.88' | LT | TO | STA | 28+57.34 | 9.67' | LT | | | | 54.8 |
| STA | 29+49.31 | 10.97' | RT | TO | STA | 30+42.85 | .00' | RT | | | | 190.5 |
| TOTAL: | | | | | | 8.0 | 1,513.4 | 23.5 | 59.3 | 36.8 | 2.0 | 245.2 |
| USE: | | | | | | 8 | 1,514 | 24 | 60 | 37 | 2 | 246 |

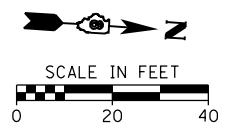
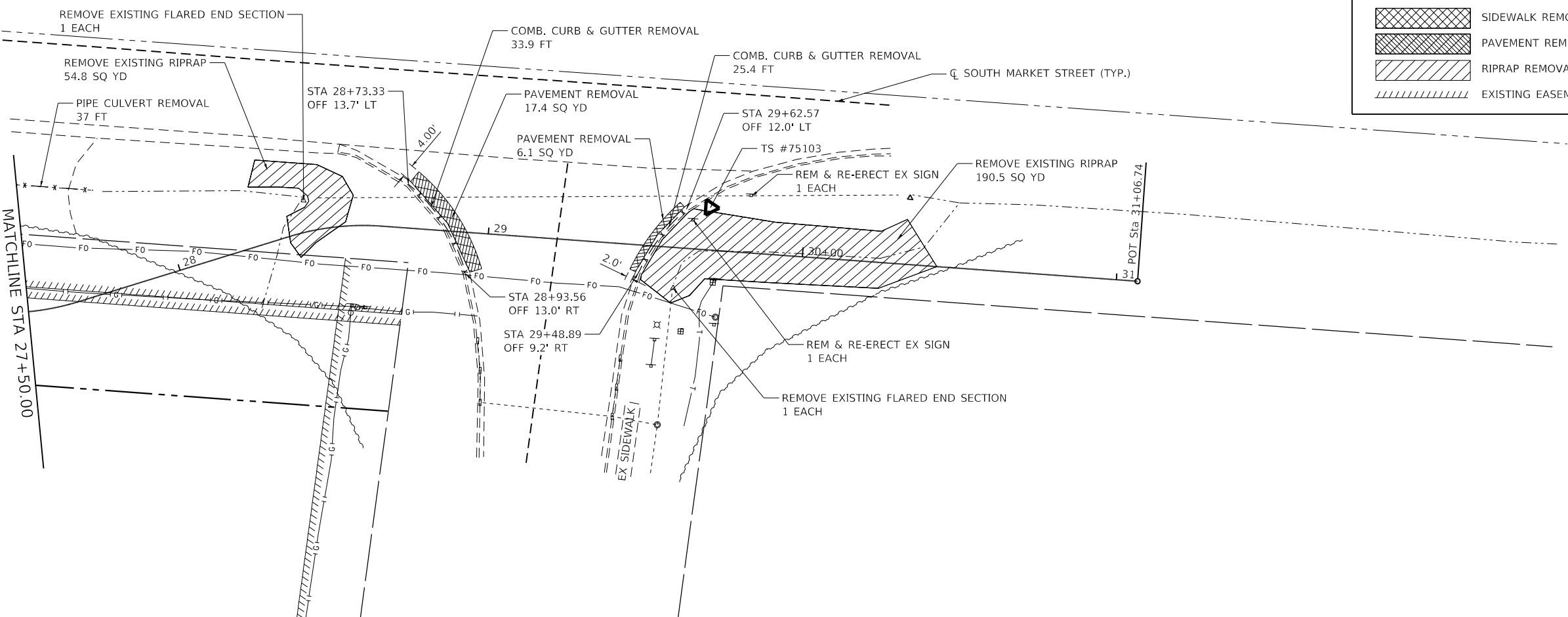
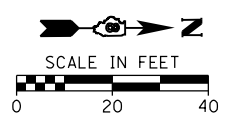


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|---|--|-----------|---|---|--|------------------|------------------------|---------------------|--------------------------|--------------------|
| FILE NAME = H:\7510_Waterloo_South_Market_St\CADD_Sheets\7510_SHT_REM_1.dgn HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING TOPOGRAPHY AND REMOVALS | | F.A.U. RTE. 9321 | SECTION 17-00045-02-BT | COUNTY MONROE | TOTAL SHEETS 44 | SHEET NO. 8 |
| | USER NAME = kschwier_john PLOT SCALE = 48.0000' / in. PLOT DATE = 12/28/2020 | DRAWN - | | | | REVISED - | SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 10+00 TO STA. 21+50 | CONTRACT NO. 97719 |



LEGEND

- — — — — EXISTING ROW
- - - - - PROPOSED ROW
- x - x - x - LINEAR REMOVAL ITEMS
- ✕ TREE REMOVAL
- [Cross-hatched box] SIDEWALK REMOVAL
- [Diagonal hatched box] PAVEMENT REMOVAL
- [Horizontal hatched box] RIPRAP REMOVAL
- [Vertical hatched box] EXISTING EASEMENT



FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510_SHT_REM.2.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkempwerth
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 1/10/2020

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TOPOGRAPHY AND REMOVALS

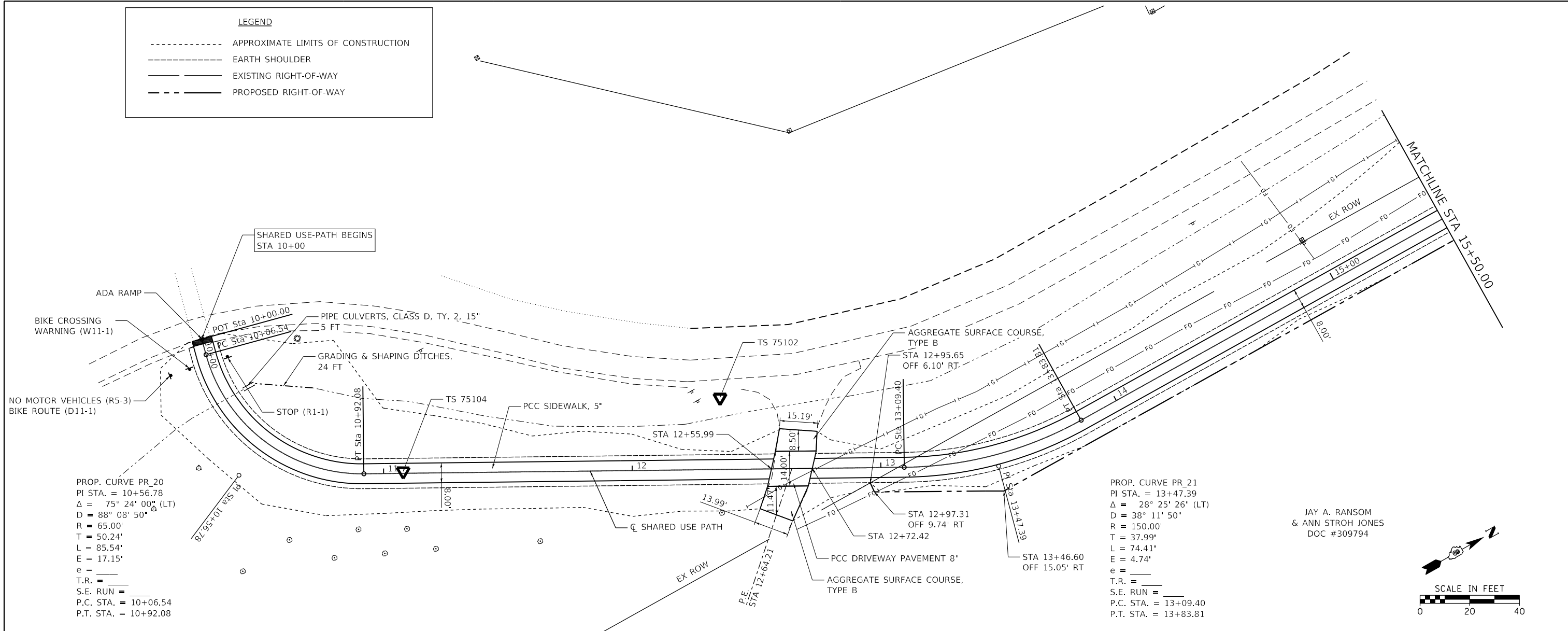
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 21+50 TO STA. 31+06.74

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 9 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

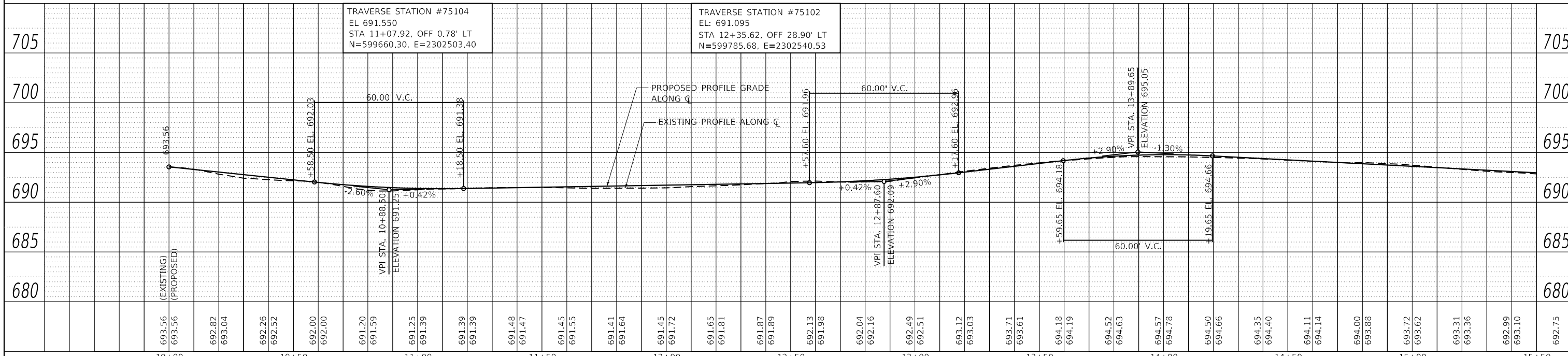
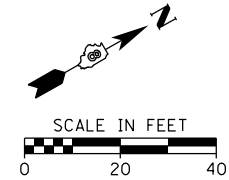
| LEGEND | |
|--------|------------------------------------|
| ----- | APPROXIMATE LIMITS OF CONSTRUCTION |
| ----- | EARTH SHOULDER |
| ----- | EXISTING RIGHT-OF-WAY |
| ----- | PROPOSED RIGHT-OF-WAY |

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| DATE | BY |
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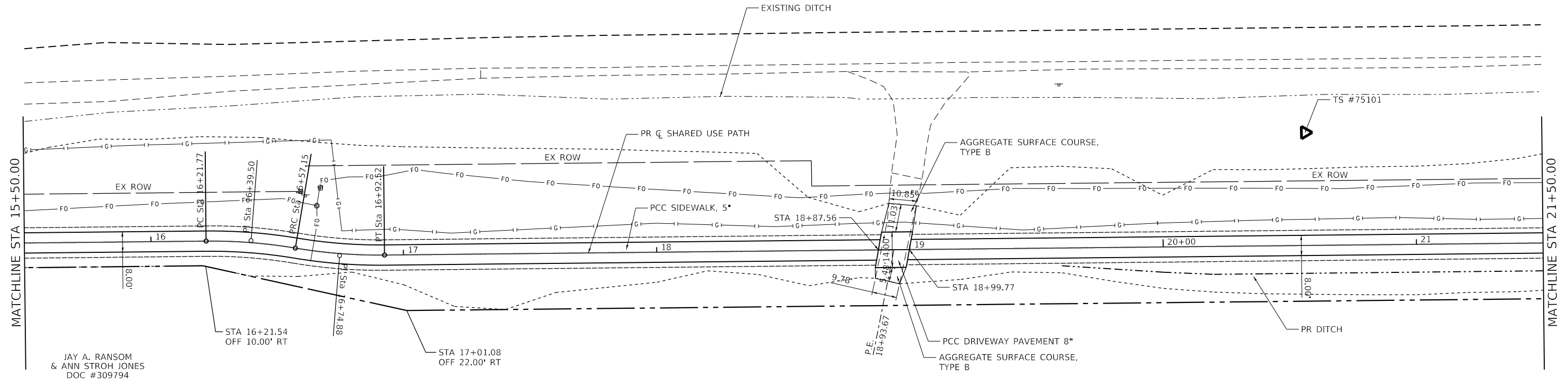
JAY A. RANSOM
 & ANN STROH JONES
 DOC #309794



| | | | | | | | | | | |
|---|------------|-----------|---|---------------------------|---------------------------|------------------------|--------------------------|--------------------|--------------|--|
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| USER NAME = kschwier_john | DRAWN - | REVISED - | | | SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 10+00 TO STA. 15+50 | CONTRACT NO. 97719 | | |
| PLOT SCALE = 48,0000 1 / in. | CHECKED - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |
| PLOT DATE = 12/28/2020 | DATE - | REVISED - | | | | | | | | |

| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | CHECKED | |
| | FILE NAME | |
| | NO. | |

| | | |
|---------|-----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | CHECKED | |
| | NOTATIONS | |
| | NO. | |



JAY A. RANSOM
& ANN STROH JONES
DOC #309794

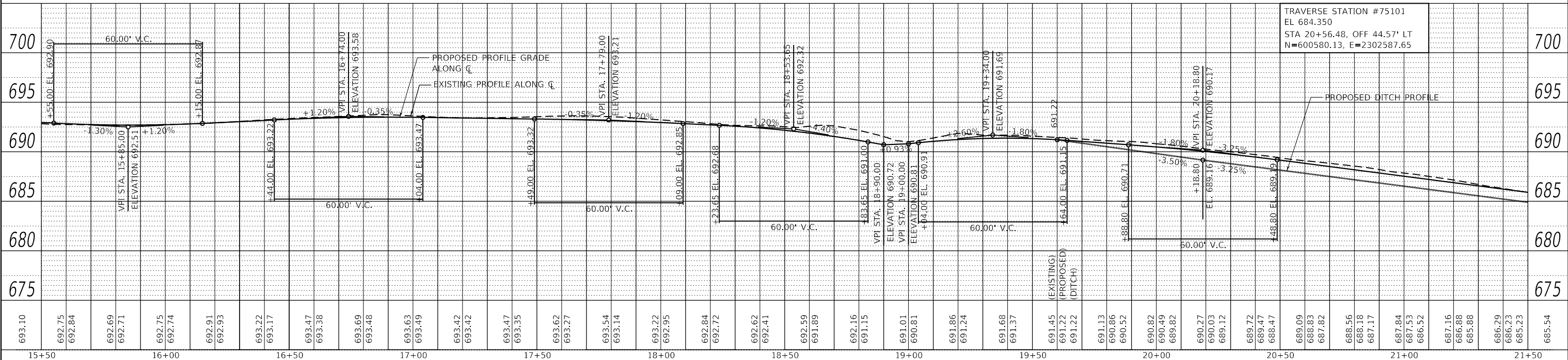
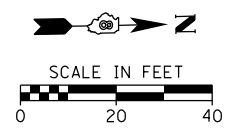
HTC HOLDING CO.
DOC #296583

PROP. CURVE PR_22
PI STA. = 16+39.50
Δ = 10° 08' 04" (RT)
D = 28° 38' 52"
R = 200.00'
T = 17.73'
L = 35.38'
E = 0.78'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 16+21.77
P.T. STA. = 16+57.15

PROP. CURVE PR_23
PI STA. = 16+74.88
Δ = 10° 08' 04" (LT)
D = 28° 38' 52"
R = 200.00'
T = 17.73'
L = 35.38'
E = 0.78'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 16+57.15
P.T. STA. = 16+92.52

LEGEND

- APPROXIMATE LIMITS OF CONSTRUCTION
- EARTH SHOULDER
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY



TRAVERSE STATION #75101
EL 684.350
STA 20+56.48, OFF 44.57' LT
N=600580.13, E=2302587.65

FILE NAME = H:\75101.Waterloo.South.Market.St\CADD.Sheets\7510_SHT_PLNPRF_2.dgn
HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISOR -
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

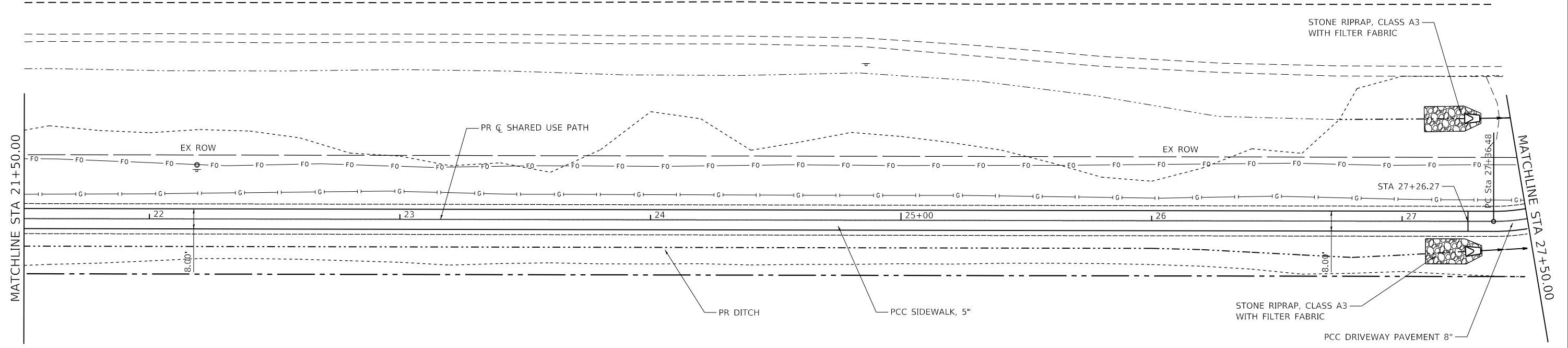
SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 15+50 TO STA. 21+50

| | | | | |
|--------------------|----------------|--------|--------------|-----------|
| F.A.U. RT. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 11 |
| CONTRACT NO. 97719 | | | | |

ILLINOIS FED. AID PROJECT

| | | | |
|------|-----------------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | ALIGNMENT CHECKED | | |
| | STRUCTURE NOTATIONS CHECKED | | |
| | NOTE BOOK NO. | | |
| | CADD FILE NAME | | |

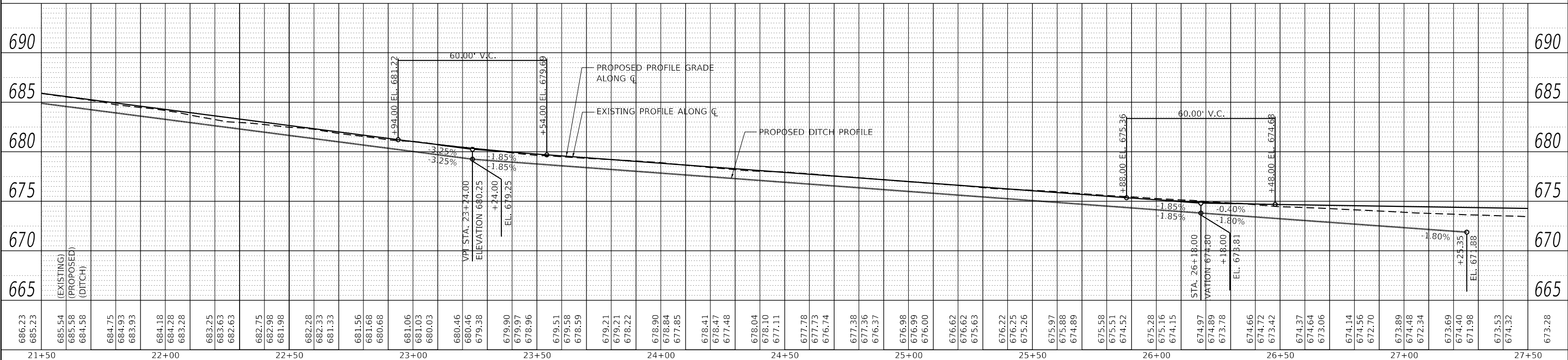
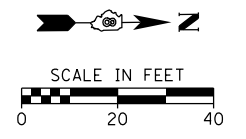
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|---------|-----------------------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | ALIGNMENT CHECKED | | |
| | STRUCTURE NOTATIONS CHECKED | | |
| | NOTE BOOK NO. | | |
| | CADD FILE NAME | | |



HTC HOLDING CO.
DOC #296583

LEGEND

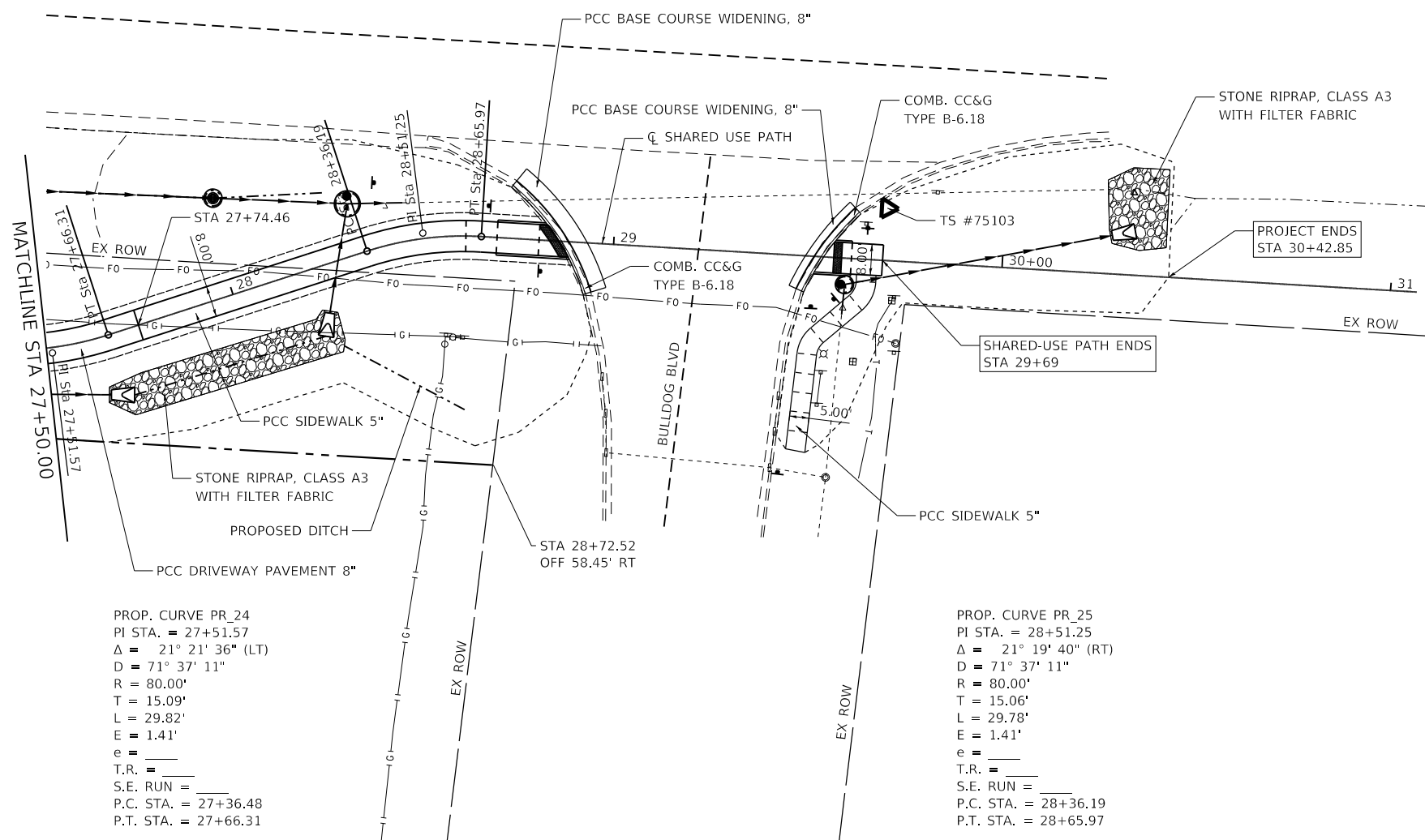
- APPROXIMATE LIMITS OF CONSTRUCTION
- EARTH SHOULDER
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY



| | | | | | | | | | | |
|---|------------------------|-----------|---|---------------------------|---------------|---------------------|------------------------|---------------|---------------------------|--------------|
| FILE NAME = H:\7510.Waterloo.South.Market.S\CADD.Sheets\7510_SHT_PLNPRF_3.dgn | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN & PROFILE | | F.A.U. RTE. 9321 | SECTION 17-00045-02-BT | COUNTY MONROE | TOTAL SHEETS 44 | SHEET NO. 12 |
| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | USER NAME = jkempwerth | DRAWN - | | REVISED - | SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | CONTRACT NO. 97719 | | ILLINOIS FED. AID PROJECT | |
| PLOT SCALE = 48.0000' / in. | CHECKED - | REVISED - | | REVISED - | STA. 21+50 | TO STA. 27+50 | | | | |
| PLOT DATE = 1/10/2020 | DATE - | REVISED - | | REVISED - | | | | | | |

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

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

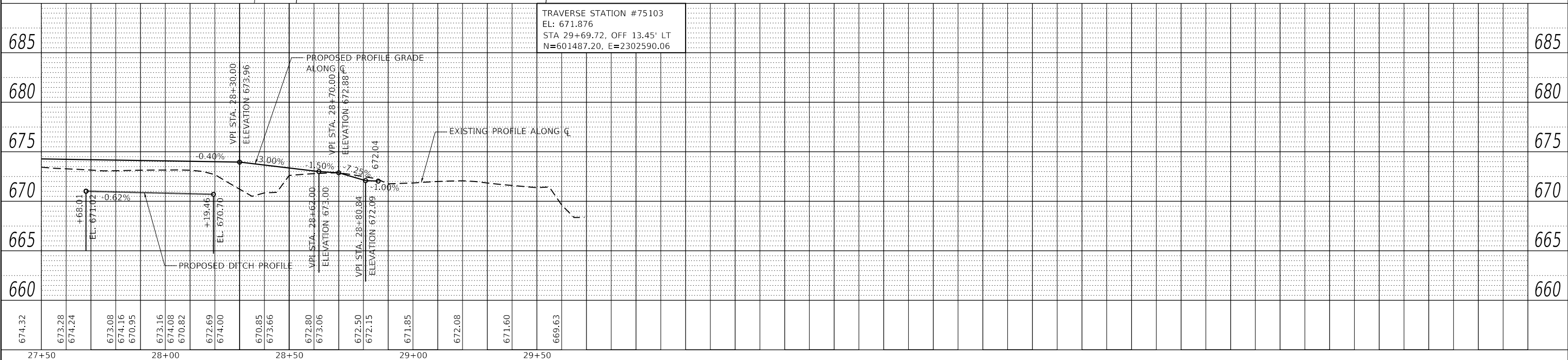
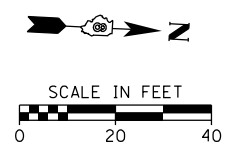


PROP. CURVE PR_24
 PI STA. = 27+51.57
 $\Delta = 21^\circ 21' 36''$ (LT)
 $D = 71^\circ 37' 11''$
 $R = 80.00'$
 $T = 15.09'$
 $L = 29.82'$
 $E = 1.41'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 27+36.48$
 $P.T. STA. = 27+66.31$

PROP. CURVE PR_25
 PI STA. = 28+51.25
 $\Delta = 21^\circ 19' 40''$ (RT)
 $D = 71^\circ 37' 11''$
 $R = 80.00'$
 $T = 15.06'$
 $L = 29.78'$
 $E = 1.41'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 28+36.19$
 $P.T. STA. = 28+65.97$

LEGEND

- APPROXIMATE LIMITS OF CONSTRUCTION
- EARTH SHOULDER
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY



TRAVERSE STATION #75103
 EL: 671.876
 STA 29+69.72, OFF 13.45' LT
 N=601487.20, E=2302590.06

FILE NAME = H:\7510_Waterloo_South_Market_S\CADD_Sheets\7510_SHT_PLNPRF_4.dgn
HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

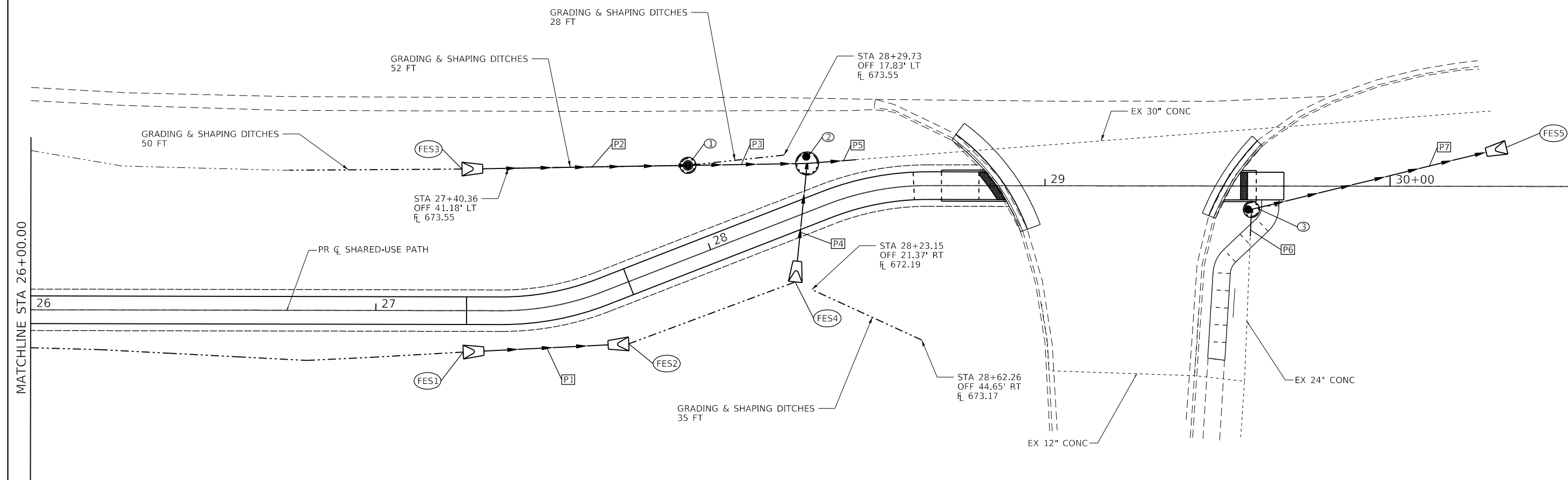
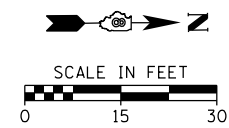
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE
 SCALE: 1"=20'
 SHEET 4 OF 4 SHEETS
 STA. 27+50 TO STA. 31+06.74

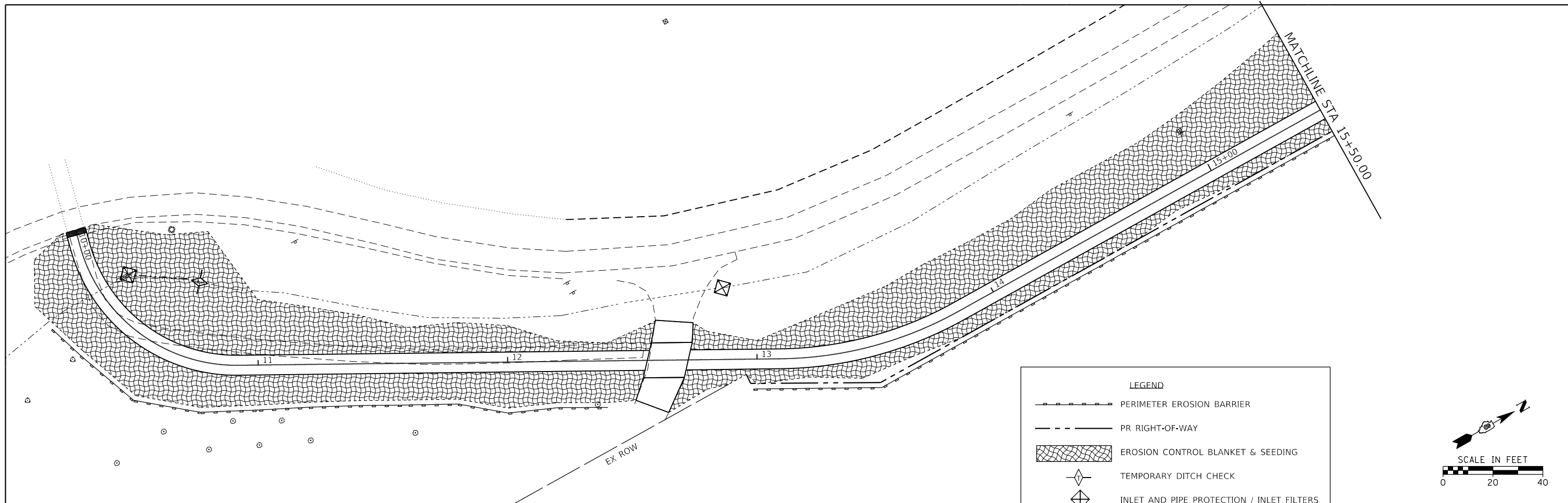
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 13 |
| CONTRACT NO. 97719 | | | | |



NOTE: PIPE LENGTH BETWEEN INLET/MANHOLES ARE SHOWN/MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE

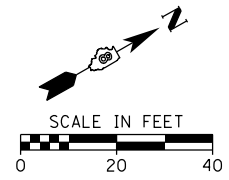
- | | | | | | | | | | | | | | | |
|---|---|--|--|--|--|--|--|---|---|---|---|---|---|---|
| <p>① MH, TY A, 4' DIA TY 1 F & OPEN LID STA 28+02.70, 25.14' LT FRAME: 672.82 INV: 668.12</p> | <p>② MH, TY A, 6' DIA TY 1 F & CLOSED LID STA 28+35.10, 13.15' LT FRAME: 673.69 INV: 670.25 (E) INV: 667.77 (N & S)</p> | <p>③ MH, TY A, 4' DIA TY 1 F & CLOSED LID STA 29+59.83, 6.77' RT FRAME: 671.75 INV: 667.58</p> | <p>FES1 PRECAST REINF CONC FES 24" EQ RD STA 27+25.35, 12.00' RT INV: 671.88</p> | <p>FES2 PRECAST REINF CONC FES 24" EQ RD STA 27+68.01, 16.78' RT INV: 671.02</p> | <p>FES3 PRECAST REINF CONC FES 24" STA 27+24.89, 40.97' LT INV: 668.77</p> | <p>FES4 PRECAST REINF CONC FES 24" EQ RD STA 28+19.46, 17.57' RT INV: 670.70</p> | <p>FES5 PRECAST REINF CONC FES 24" STA 30+33.65, 11.31' LT INV: 667.44</p> | <p>P1 SS, RG, CL A, TY 1 24" EQ RD 36.0 FT @ 1.8%</p> | <p>P2 SS, RG, CL A, TY 2 24" 59.5 FT @ 1.0%</p> | <p>P3 SS, RG, CL A, TY 2 24" 34.5 FT @ 1.0%</p> | <p>P4 SS, RG, CL A, TY 1 24" EQ RD 28.5 FT @ 1.3% TRENCH BACKFILL = 4.9 CU YD</p> | <p>P5 SS, RG, CL A, TY 2 30" 14.0 FT @ 0.2%</p> | <p>P6 SS, RG, CL A, TY 2 24" 8.0 FT @ 0.92% TRENCH BACKFILL = 3.2 CU YD</p> | <p>P7 SS, RG, CL A, TY 2 24" 70.0 FT @ 0.2% TRENCH BACKFILL = 4.8 CU YD</p> |
|---|---|--|--|--|--|--|--|---|---|---|---|---|---|---|

| | | | | | | | | |
|---|--|--|---|---|----------------------|--|--|---------------------------|
| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | USER NAME = jkempwerth PLOT SCALE = 30,0000 "/> | DESIGNED - DRAWN - CHECKED - DATE - | REVISED - REVISED - REVISED - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE PLAN | | F.A.U. RTÉ. 9321 SECTION 17-00045-02-BT COUNTY MONROE TOTAL SHEETS 44 SHEET NO. 14 CONTRACT NO. 97719 | ILLINOIS FED. AID PROJECT |
| | FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510_SHT_DRAIN.dgn PLOT DATE = 1/10/2020 | DATE - | SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. 26+00 TO STA. 31+06.74 | | | | | |

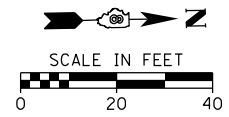
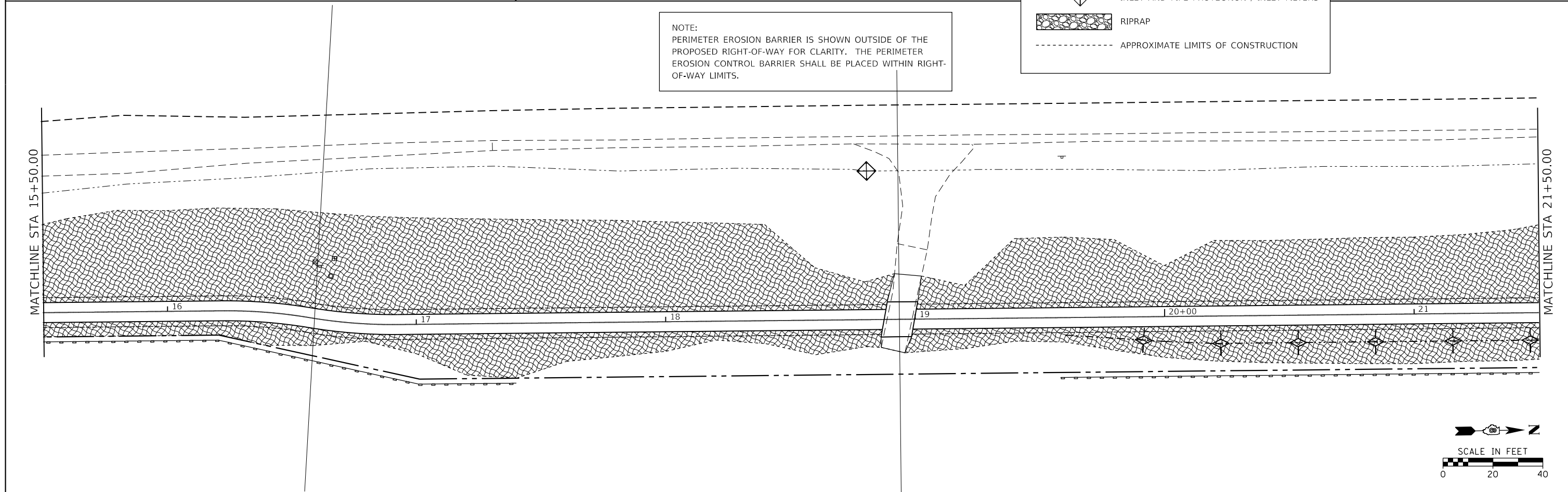


LEGEND

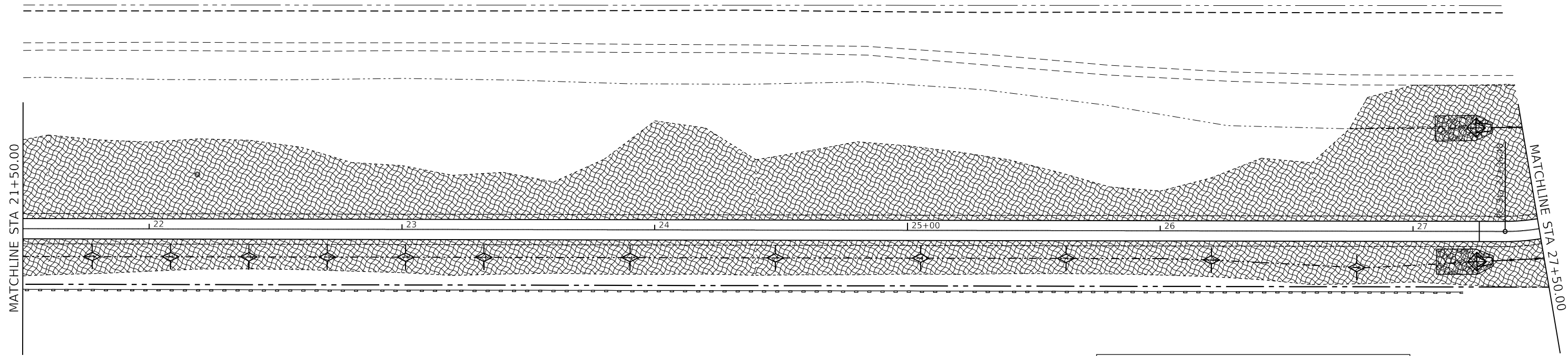
- PERIMETER EROSION BARRIER
- PR RIGHT-OF-WAY
- EROSION CONTROL BLANKET & SEEDING
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION / INLET FILTERS
- RIPRAP
- APPROXIMATE LIMITS OF CONSTRUCTION



NOTE:
 PERIMETER EROSION BARRIER IS SHOWN OUTSIDE OF THE PROPOSED RIGHT-OF-WAY FOR CLARITY. THE PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED WITHIN RIGHT-OF-WAY LIMITS.



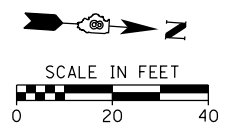
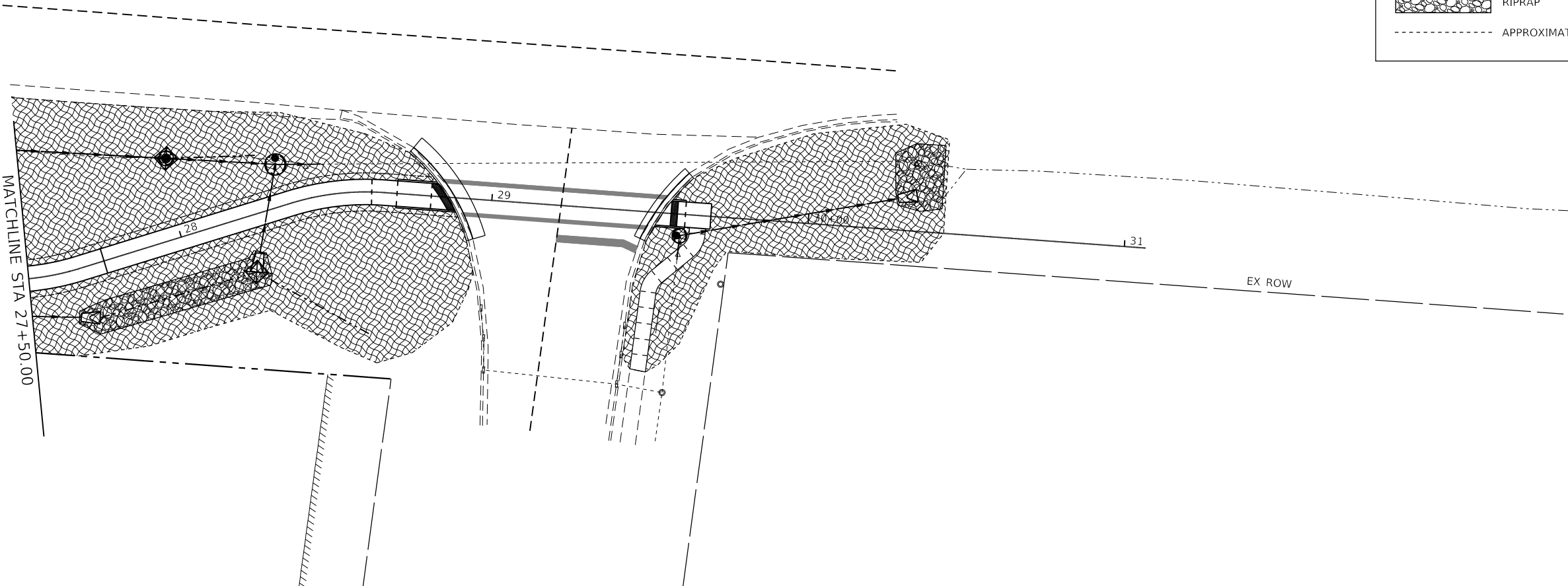
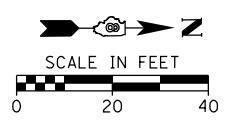
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| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | USER NAME = kschwier.john | DRAWN - | | | | REVISED - | 9321 | 17-00045-02-BT | MONROE | 44 | 15 | | |
| PLOT SCALE = 48.0000' / 1" = | CHECKED - | REVISED - | | | | CONTRACT NO. 97719 | | | | | | | |
| PLOT DATE = 12/28/2020 | DATE - | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | SCALE: 1"=20' | SHEET 1 | OF 2 SHEETS | STA. 10+00 | TO STA. 21+50 | | | |



NOTE:
 PERIMETER EROSION BARRIER IS SHOWN OUTSIDE OF THE PROPOSED RIGHT-OF-WAY FOR CLARITY. THE PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED WITHIN RIGHT-OF-WAY LIMITS.

LEGEND

- PERIMETER EROSION BARRIER
- PR RIGHT-OF-WAY
- EROSION CONTROL BLANKET & SEEDING
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION / INLET FILTERS
- RIPRAP
- APPROXIMATE LIMITS OF CONSTRUCTION



| | | |
|--|------------|-----------|
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| USER NAME = jkempwerth | DRAWN - | REVISED - |
| PLOT SCALE = 40.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 1/10/2020 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 21+50 TO STA. 31+06.74

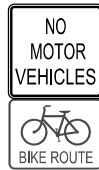
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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 16 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

HMG
 Engineers • Surveyors
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611



W11-1

- ① SIGN PANEL, TY. 1, 4.00 SF
METAL POST, TY. B, 13.0 FT
STA 10+10.00, 16.00' RT



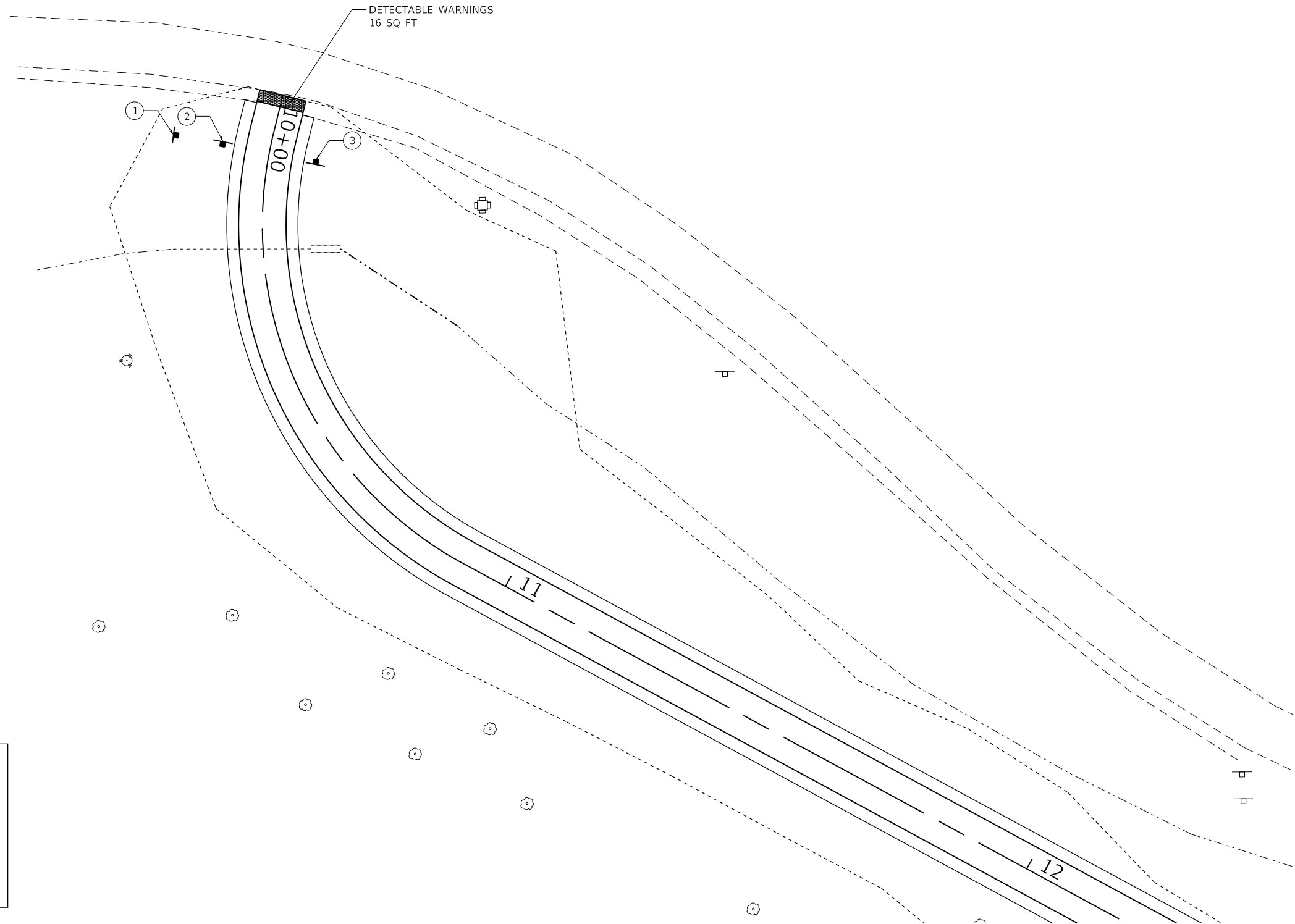
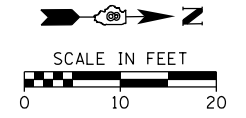
R5-3
D11-1

- ② SIGN PANEL, TY. 1, 7.00 SF
METAL POST, TY. B, 14.0 FT
STA 10+10.00, 8.00' RT



R1-1

- ③ SIGN PANEL, TY. 1, 2.25 SF
METAL POST, TY. B, 12.0 FT
STA 10+10.00, 8.00' LT



| | | |
|---------------|----------------|---------------------------------|
| | | |
| R1-1 18X18 | W11-1 24X24 | R5-3 24X24 D11-1 24X18 |
| ST | BW | |

FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510_SHT_PMK_1.dgn

HMG
Engineers • Surveyors
HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
(618) 526-9611

USER NAME = jkempwerth
PLOT SCALE = 20.0000 "/ in.
PLOT DATE = 1/10/2020

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS, SIGNING, AND DETECTABLE WARNINGS

SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 17 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 97719 | |



W11-1

- ④ SIGN PANEL, TY. 1, 4.00 SF METAL POST, TY. B, 13.0 FT STA 28+42.00, 16.50' LT
- ⑦ SIGN PANEL, TY. 1, 4.00 SF METAL POST, TY. B, 13.0 FT STA 30+12.50, 86.50' LT
- ⑪ SIGN PANEL, TY. 1, 4.00 SF METAL POST, TY. B, 13.0 FT STA 29+45.50, 56.00' RT



R1-1

- ⑥ SIGN PANEL, TY. 1, 2.25 SF METAL POST, TY. B, 12.0 FT STA 28+81.50, 8.00' RT
- ⑩ REM AND RE-ERECT EX SIGN STA 29+51.50, 13.00' RT



R5-3
D11-1

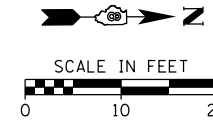
- ⑤ SIGN PANEL, TY. 1, 7.00 SF METAL POST, TY. B, 14.0 FT STA 28+67.50, 8.00' LT



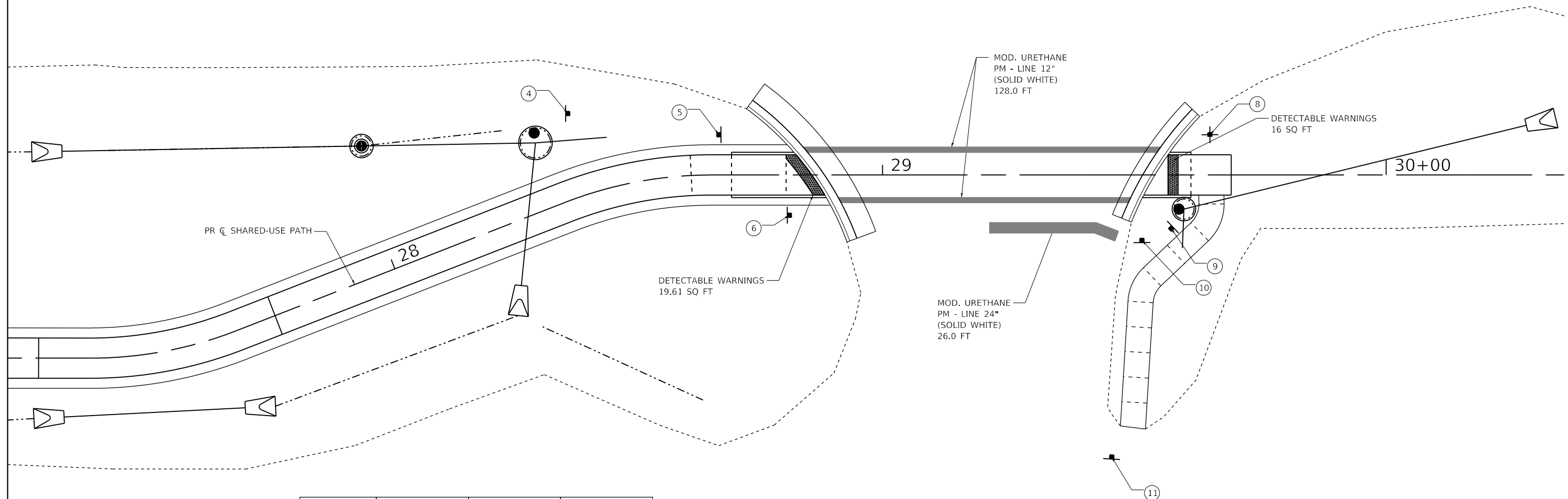
R5-6

- ⑧ REM AND RE-ERECT EX SIGN STA 29+65.00, 8.00' LT

- ⑨ SIGN PANEL, TY. 1, 2.25 SF METAL POST, TY. B, 12.0 FT STA 29+57.34, 10.62' RT



SCALE IN FEET
0 10 20



| | | | |
|---------------|----------------|---------------------------------|---------------|
| | | | |
| R1-1 18X18 | W11-1 24X24 | R5-3 24X24 D11-1 24X18 | R5-6 18X18 |
| ST | BW | | |

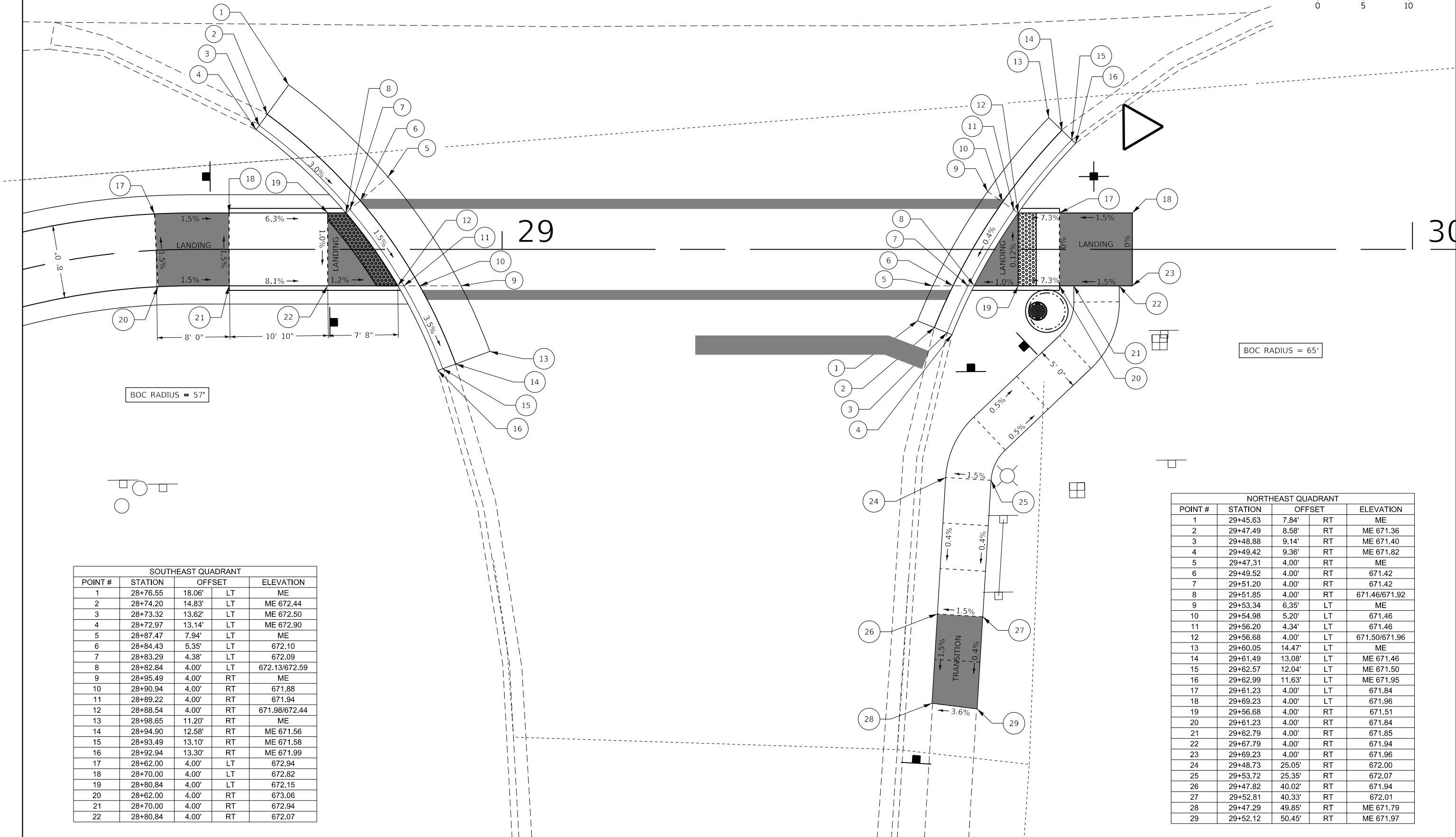
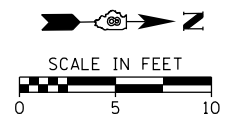
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| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 | DRAWN - | REVISED - |
| USER NAME = jkmpwrth | CHECKED - | REVISED - |
| PLOT SCALE = 20.0000 "/> | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS, SIGNING, AND DETECTABLE WARNINGS

SCALE: 1" = 10' SHEET 2 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 18 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



BOC RADIUS = 57'

BOC RADIUS = 65'

| SOUTHEAST QUADRANT | | | | |
|--------------------|----------|--------|----|---------------|
| POINT # | STATION | OFFSET | | ELEVATION |
| 1 | 28+76.55 | 18.06' | LT | ME |
| 2 | 28+74.20 | 14.83' | LT | ME 672.44 |
| 3 | 28+73.32 | 13.62' | LT | ME 672.50 |
| 4 | 28+72.97 | 13.14' | LT | ME 672.90 |
| 5 | 28+87.47 | 7.94' | LT | ME |
| 6 | 28+84.43 | 5.35' | LT | 672.10 |
| 7 | 28+83.29 | 4.38' | LT | 672.09 |
| 8 | 28+82.84 | 4.00' | LT | 672.13/672.59 |
| 9 | 28+95.49 | 4.00' | RT | ME |
| 10 | 28+90.94 | 4.00' | RT | 671.88 |
| 11 | 28+89.22 | 4.00' | RT | 671.94 |
| 12 | 28+88.54 | 4.00' | RT | 671.98/672.44 |
| 13 | 28+98.65 | 11.20' | RT | ME |
| 14 | 28+94.90 | 12.58' | RT | ME 671.56 |
| 15 | 28+93.49 | 13.10' | RT | ME 671.58 |
| 16 | 28+92.94 | 13.30' | RT | ME 671.99 |
| 17 | 28+62.00 | 4.00' | LT | 672.94 |
| 18 | 28+70.00 | 4.00' | LT | 672.82 |
| 19 | 28+80.84 | 4.00' | LT | 672.15 |
| 20 | 28+62.00 | 4.00' | RT | 673.06 |
| 21 | 28+70.00 | 4.00' | RT | 672.94 |
| 22 | 28+80.84 | 4.00' | RT | 672.07 |

| NORTHEAST QUADRANT | | | | |
|--------------------|----------|--------|----|---------------|
| POINT # | STATION | OFFSET | | ELEVATION |
| 1 | 29+45.63 | 7.84' | RT | ME |
| 2 | 29+47.49 | 8.58' | RT | ME 671.36 |
| 3 | 29+48.88 | 9.14' | RT | ME 671.40 |
| 4 | 29+49.42 | 9.36' | RT | ME 671.82 |
| 5 | 29+47.31 | 4.00' | RT | ME |
| 6 | 29+49.52 | 4.00' | RT | 671.42 |
| 7 | 29+51.20 | 4.00' | RT | 671.42 |
| 8 | 29+51.85 | 4.00' | RT | 671.46/671.92 |
| 9 | 29+53.34 | 6.35' | LT | ME |
| 10 | 29+54.98 | 5.20' | LT | 671.46 |
| 11 | 29+56.20 | 4.34' | LT | 671.46 |
| 12 | 29+56.68 | 4.00' | LT | 671.50/671.96 |
| 13 | 29+60.05 | 14.47' | LT | ME |
| 14 | 29+61.49 | 13.08' | LT | ME 671.46 |
| 15 | 29+62.57 | 12.04' | LT | ME 671.50 |
| 16 | 29+62.99 | 11.63' | LT | ME 671.95 |
| 17 | 29+61.23 | 4.00' | LT | 671.84 |
| 18 | 29+69.23 | 4.00' | LT | 671.96 |
| 19 | 29+56.68 | 4.00' | RT | 671.51 |
| 20 | 29+61.23 | 4.00' | RT | 671.84 |
| 21 | 29+62.79 | 4.00' | RT | 671.85 |
| 22 | 29+67.79 | 4.00' | RT | 671.94 |
| 23 | 29+69.23 | 4.00' | RT | 671.96 |
| 24 | 29+48.73 | 25.05' | RT | 672.00 |
| 25 | 29+53.72 | 25.35' | RT | 672.07 |
| 26 | 29+47.82 | 40.02' | RT | 671.94 |
| 27 | 29+52.81 | 40.33' | RT | 672.01 |
| 28 | 29+47.29 | 49.85' | RT | ME 671.79 |
| 29 | 29+52.12 | 50.45' | RT | ME 671.97 |

FILE NAME = H:\7510.Waterloo.South.Market.St\CADD.Sheets\7510-SHT-INTERSEC.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkempwerth
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 1/10/2020

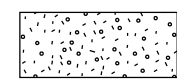
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RT. SECTION COUNTY TOTAL SHEETS SHEET NO.
 9321 17-00045-02-BT MONROE 44 19
 CONTRACT NO. 97719
 ILLINOIS FED. AID PROJECT

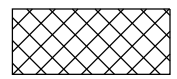


FINAL BACKFILL - 1

LOCATION - EDGE OF TRENCH LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - AGGREGATE
PAYMENT - PAID FOR AS TRENCH BACKFILL

FINAL BACKFILL - 2

LOCATION - EDGE OF TRENCH NOT LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - SUITABLE EXCAVATED MATERIAL, EARTH
PAYMENT - INCLUDED IN THE COST OF PIPE



INITIAL BACKFILL - 1

LOCATION - EDGE OF TRENCH LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - AGGREGATE
PAYMENT - PAID FOR AS TRENCH BACKFILL

INITIAL BACKFILL - 2

LOCATION - EDGE OF TRENCH NOT LOCATED WITHIN 2.0 FT OF A PERMANENT SURFACE, INCLUDING ENTRANCES AND SIDEWALK
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - SUITABLE EXCAVATED MATERIAL, EARTH
PAYMENT - INCLUDED IN THE COST OF PIPE



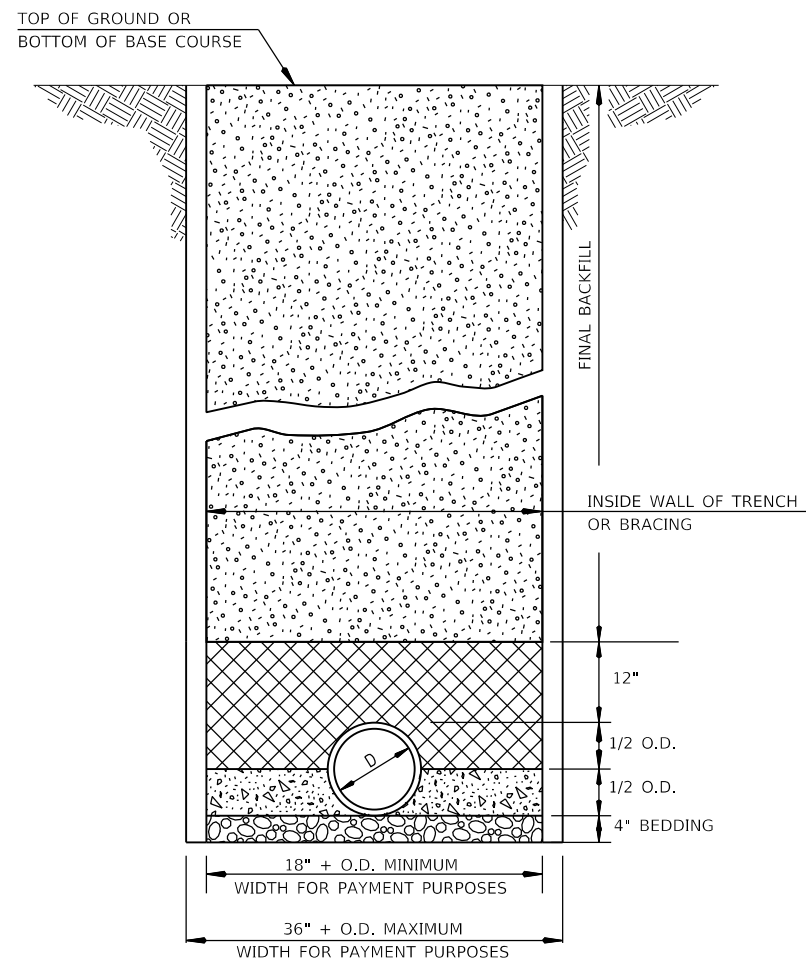
HAUNCHING

LOCATION - ALL
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - AGGREGATE
PAYMENT - INCLUDED IN THE COST OF PIPE

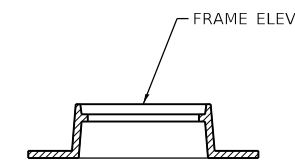


BEDDING

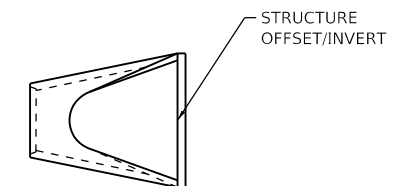
LOCATION - ALL
PIPE MATERIAL - RIGID
BACKFILL MATERIAL - AGGREGATE
PAYMENT - INCLUDED IN THE COST OF PIPE



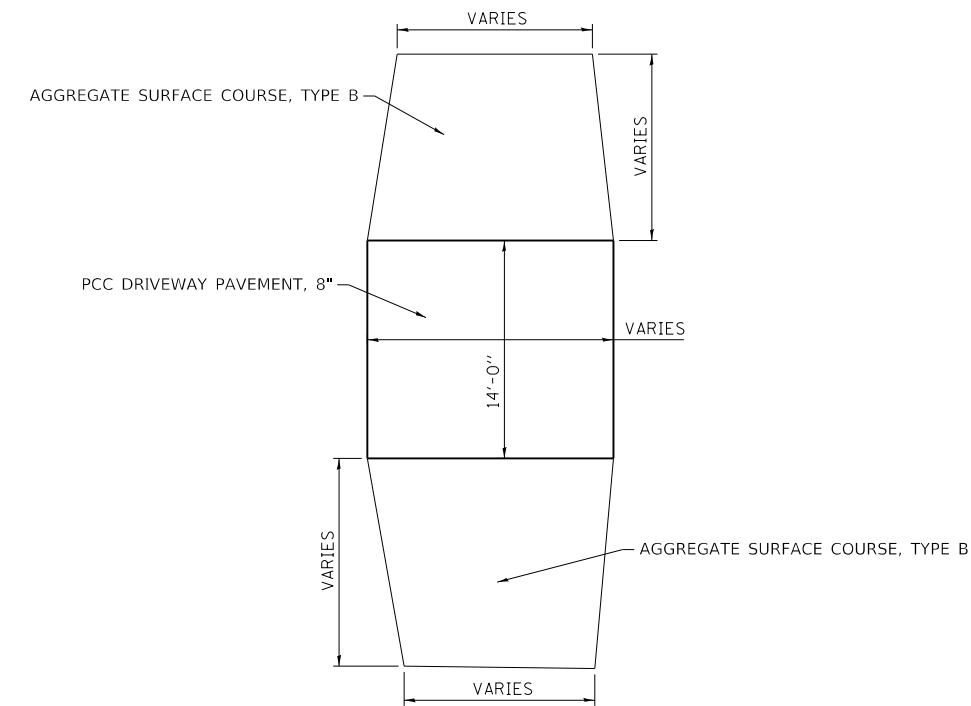
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TYPE 1 DETAIL

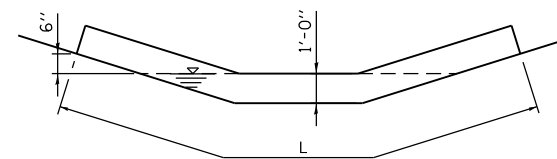


FLARED END SECTION DETAIL



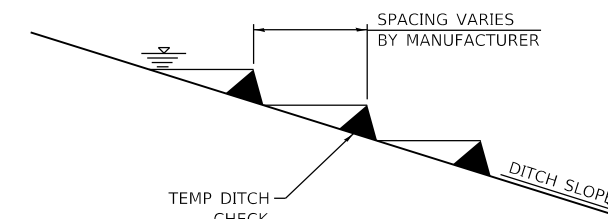
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STA 12+64.21
STA 18+93.67



TYPICAL TEMPORARY DITCH CHECK SECTION

(NOT TO SCALE)

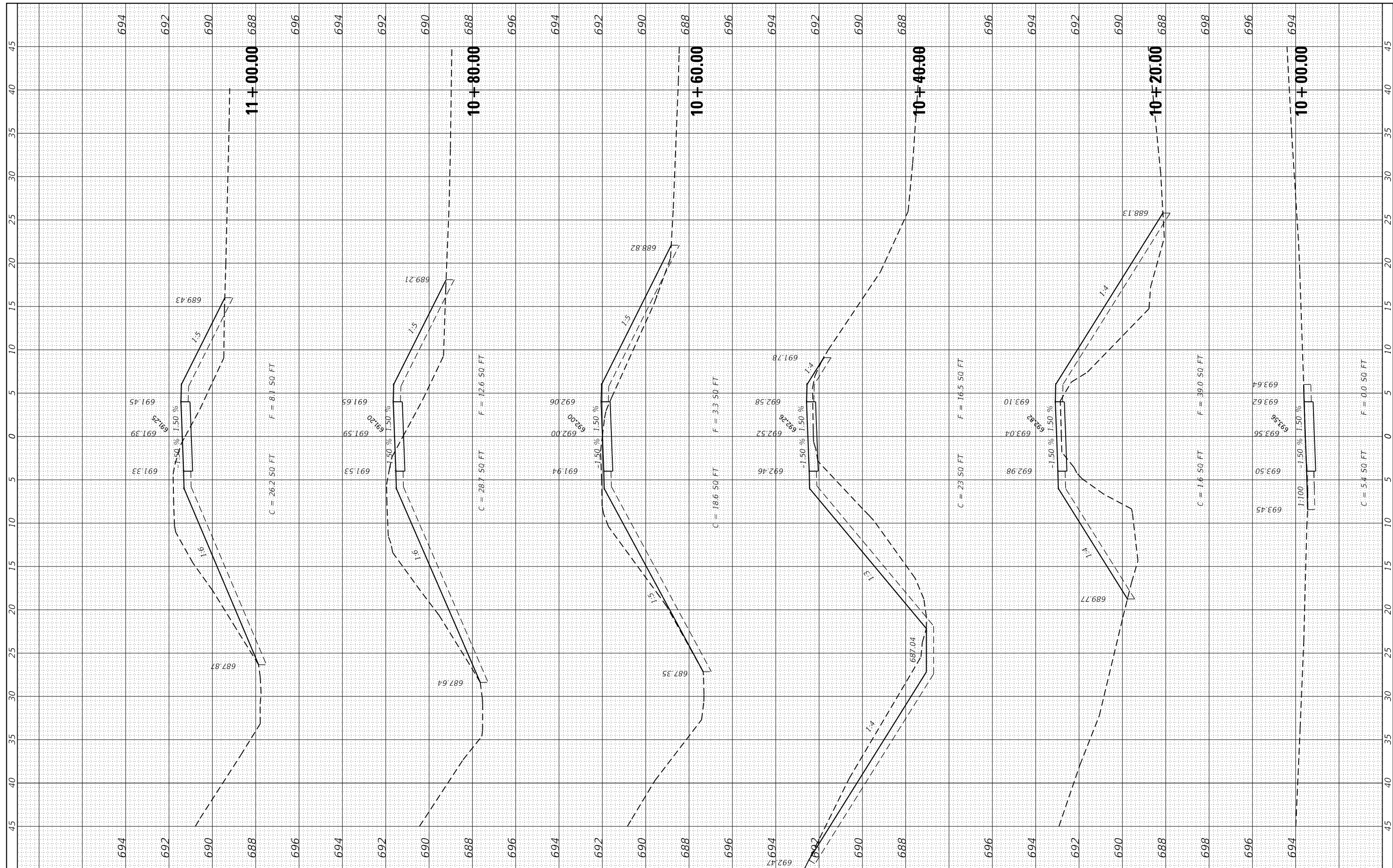


TYPICAL DITCH CHECK PROFILE

(NOT TO SCALE)

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

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



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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = jkempwrth
 PLOT SCALE = 10.0000' / 1" /
 PLOT DATE = 1/10/2020

DESIGNED -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

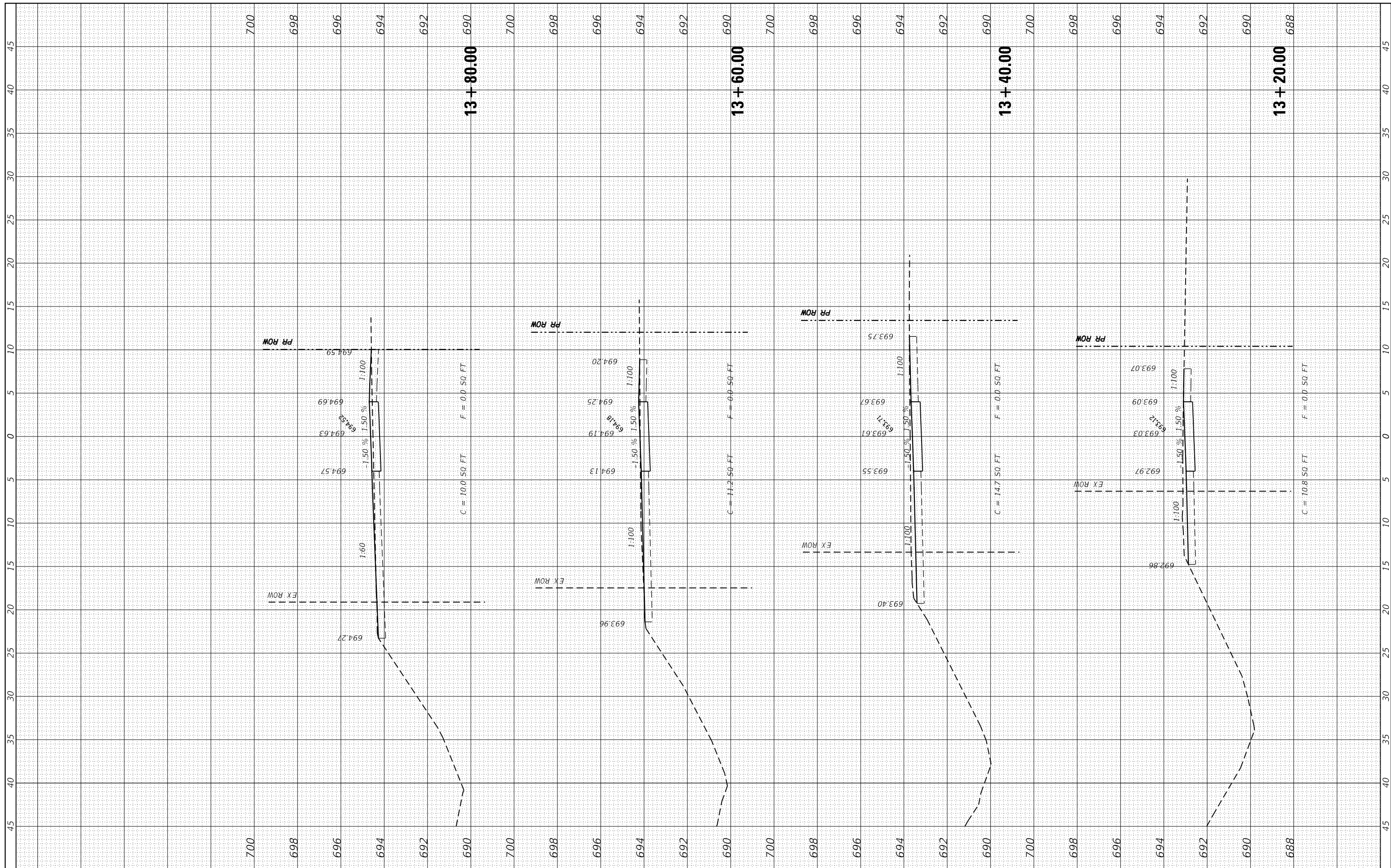
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET 1 OF 24 SHEETS STA. 10+00.00 TO STA. 11+00.00

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 21 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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



FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT_XS.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = jkampweth
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

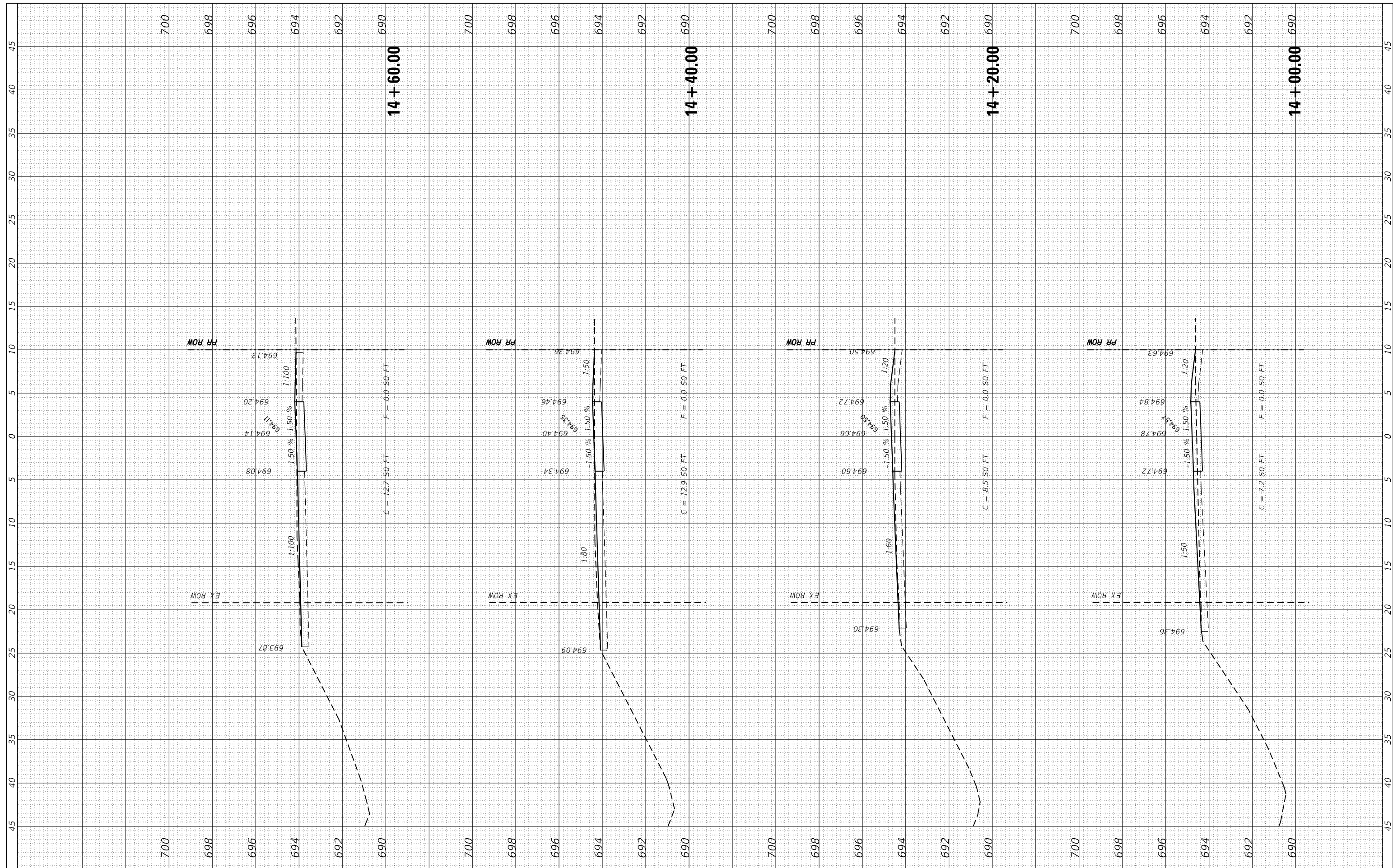
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET 4 OF 24 SHEETS STA. 13+20.00 TO STA. 13+80.00

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 24 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
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| | TEMPLATE | | |
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| | AREAS CHECKED | | |



FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT_XS.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = jkempwr th
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

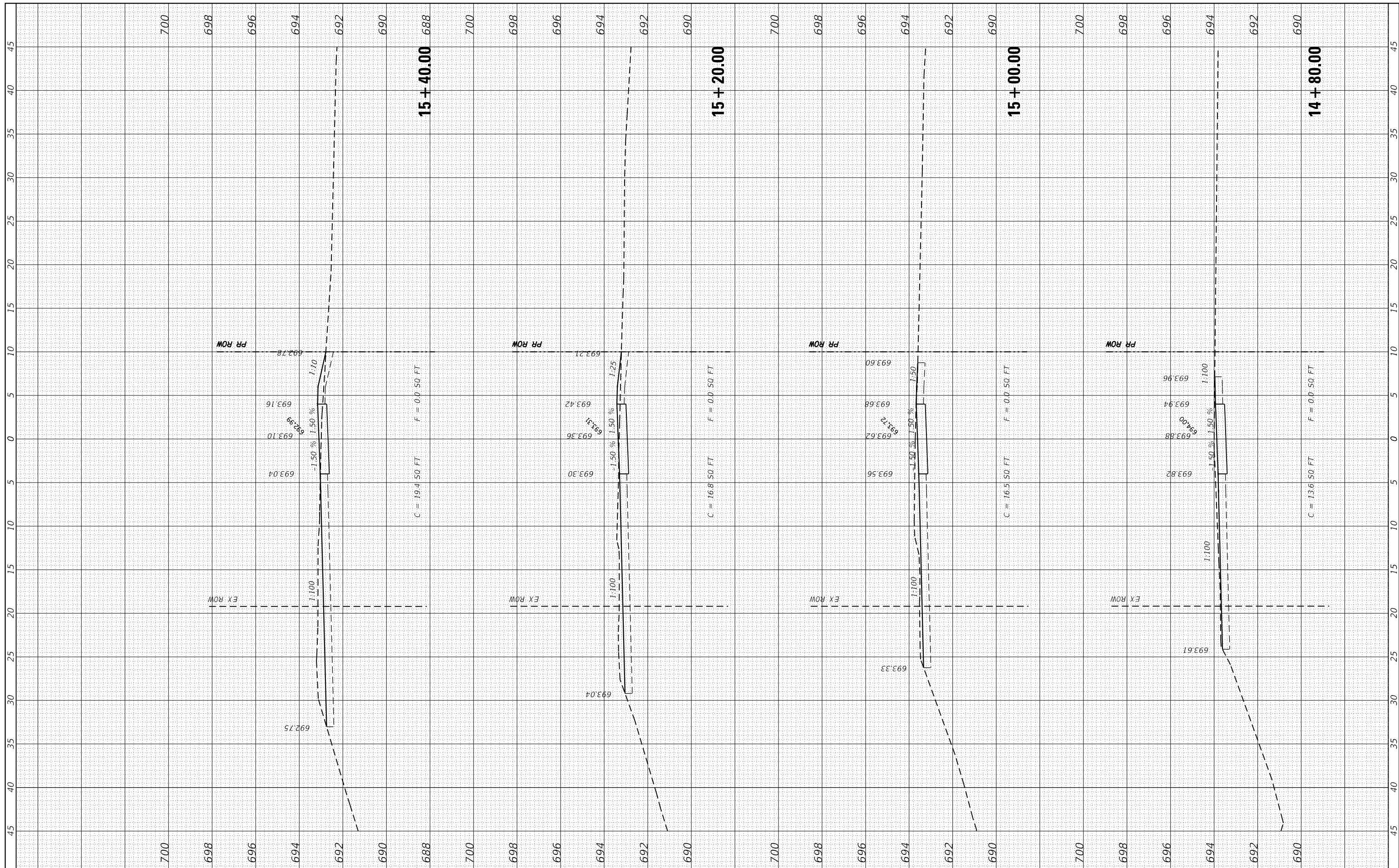
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET 5 OF 24 SHEETS STA. 14+00.00 TO STA. 14+60.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 25 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkempwr th
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

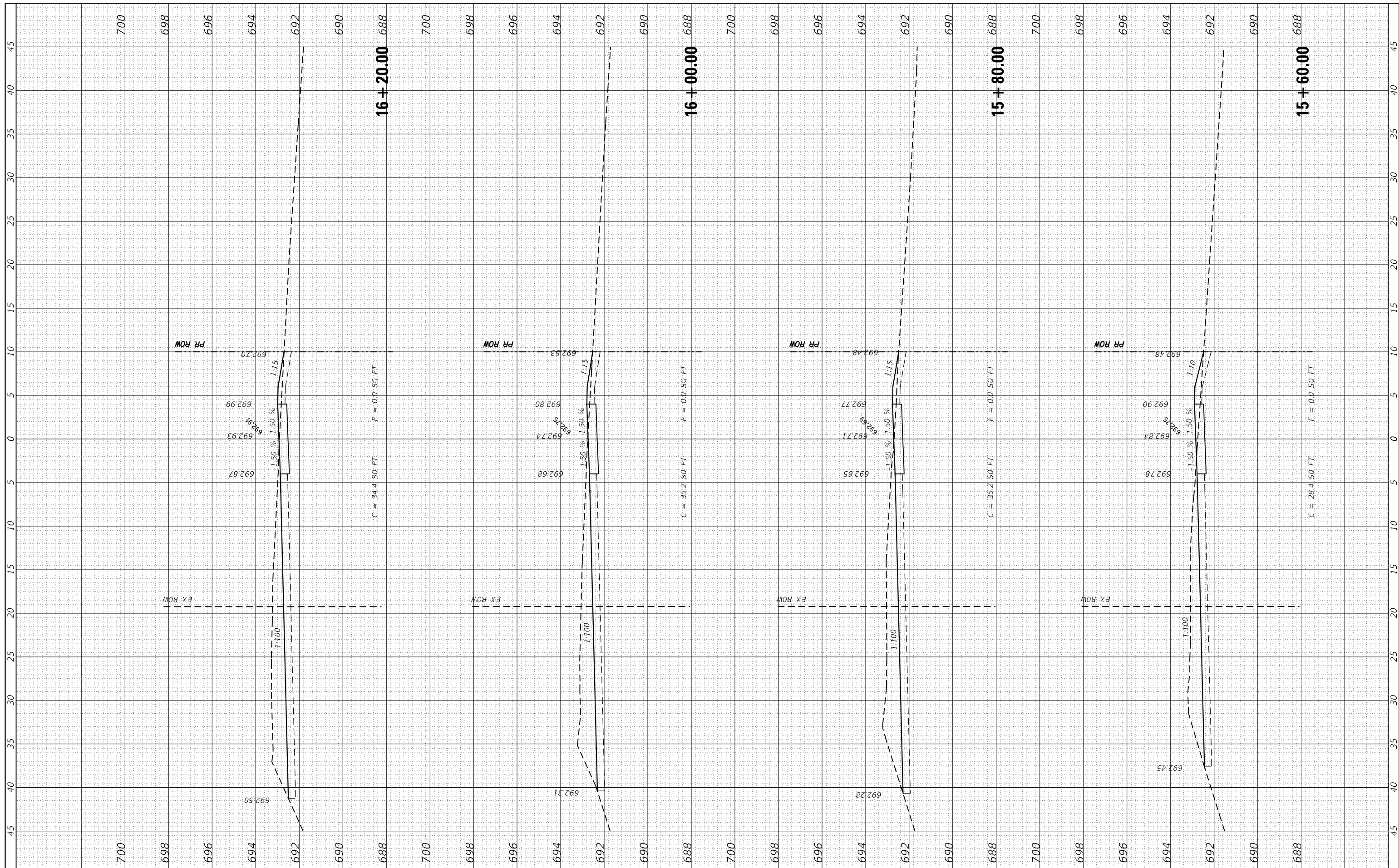
CROSS SECTIONS

SCALE: SHEET 6 OF 24 SHEETS STA. 14+80.00 TO STA. 15+40.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 26 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampwrth
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

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| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

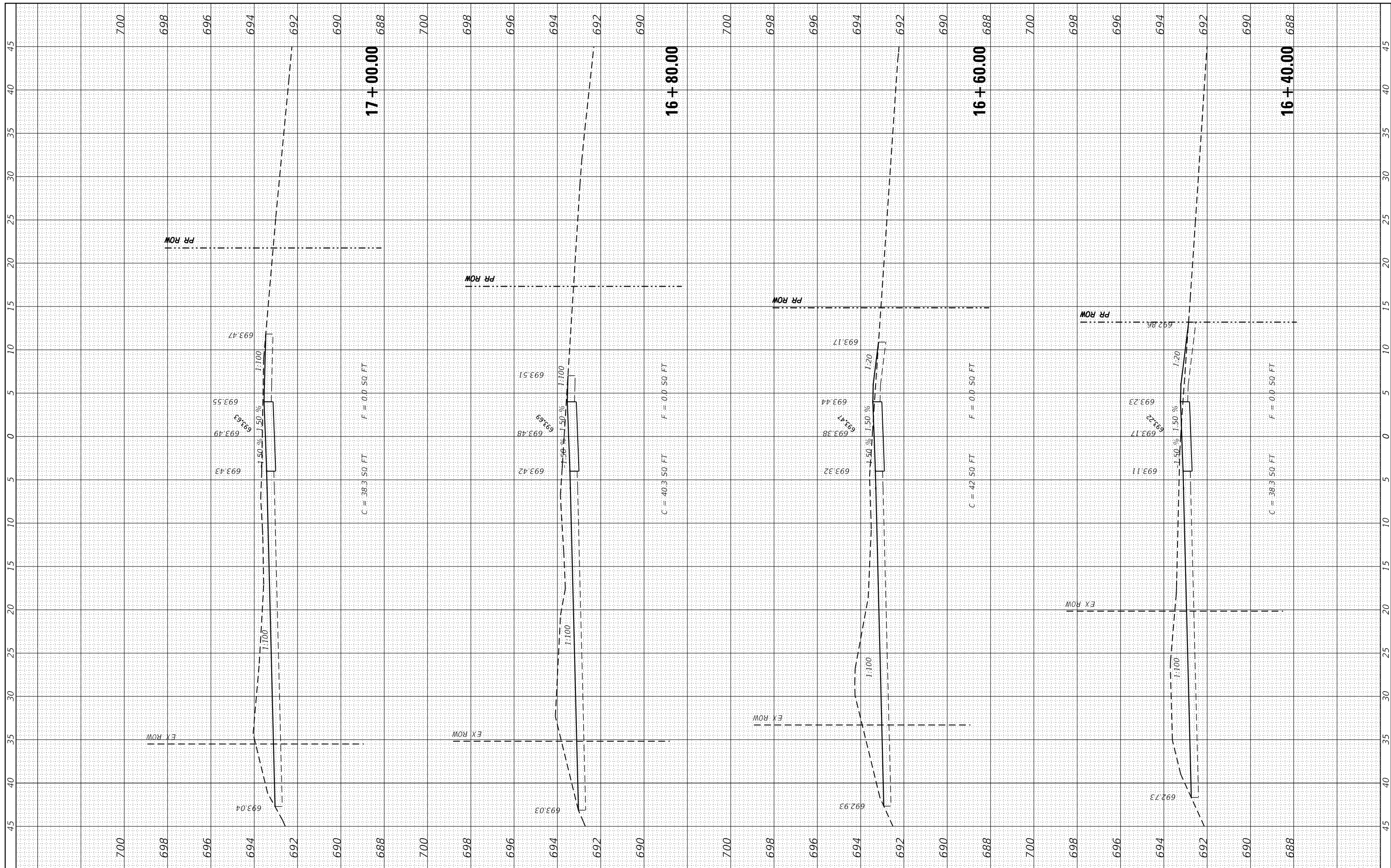
CROSS SECTIONS

SCALE: SHEET 7 OF 24 SHEETS STA. 15+60.00 TO STA. 16+20.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 27 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkempwrth
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

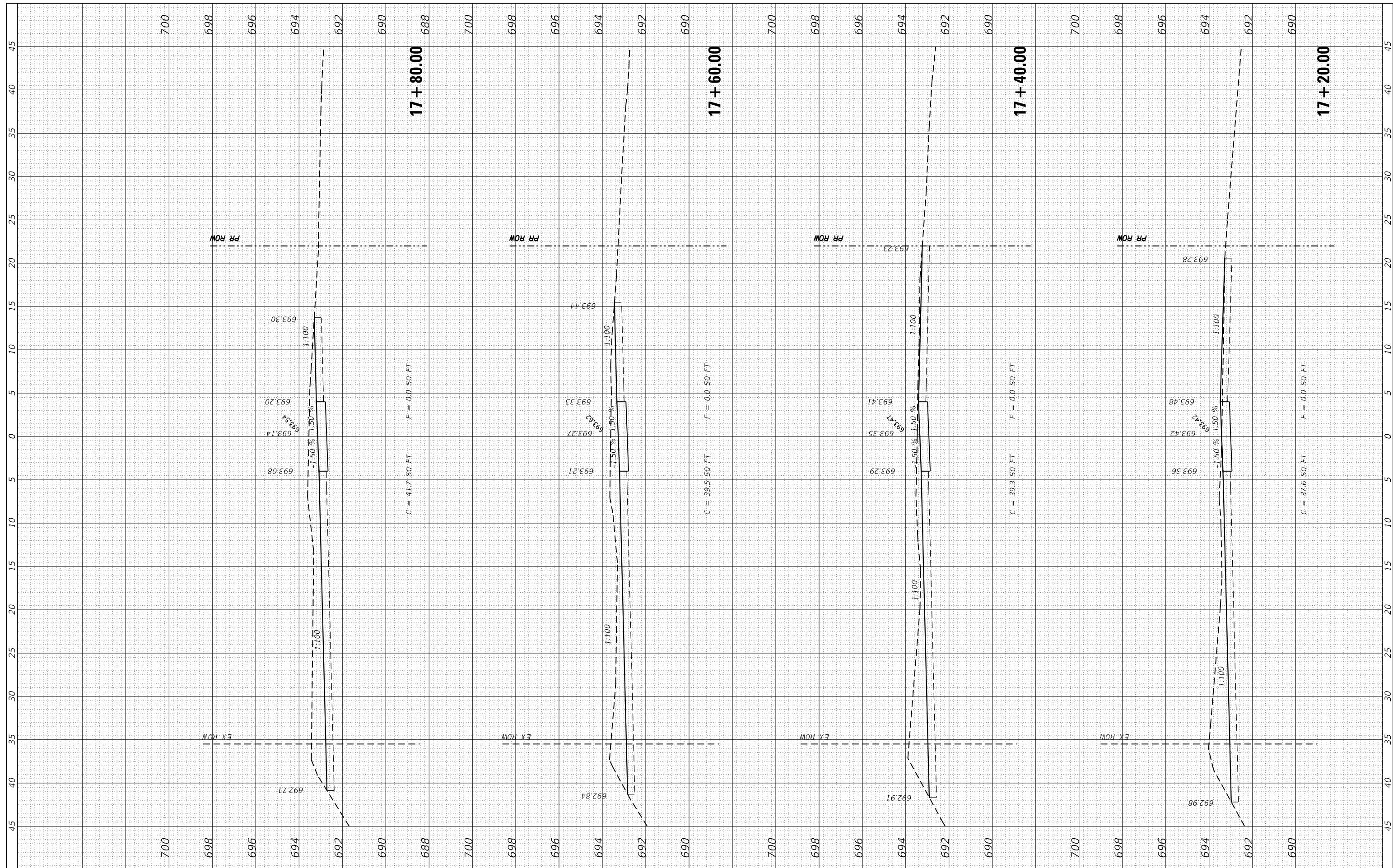
CROSS SECTIONS

SCALE: SHEET 8 OF 24 SHEETS STA. 16+40.00 TO STA. 17+00.00

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 28 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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USER NAME = jkempwr th
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

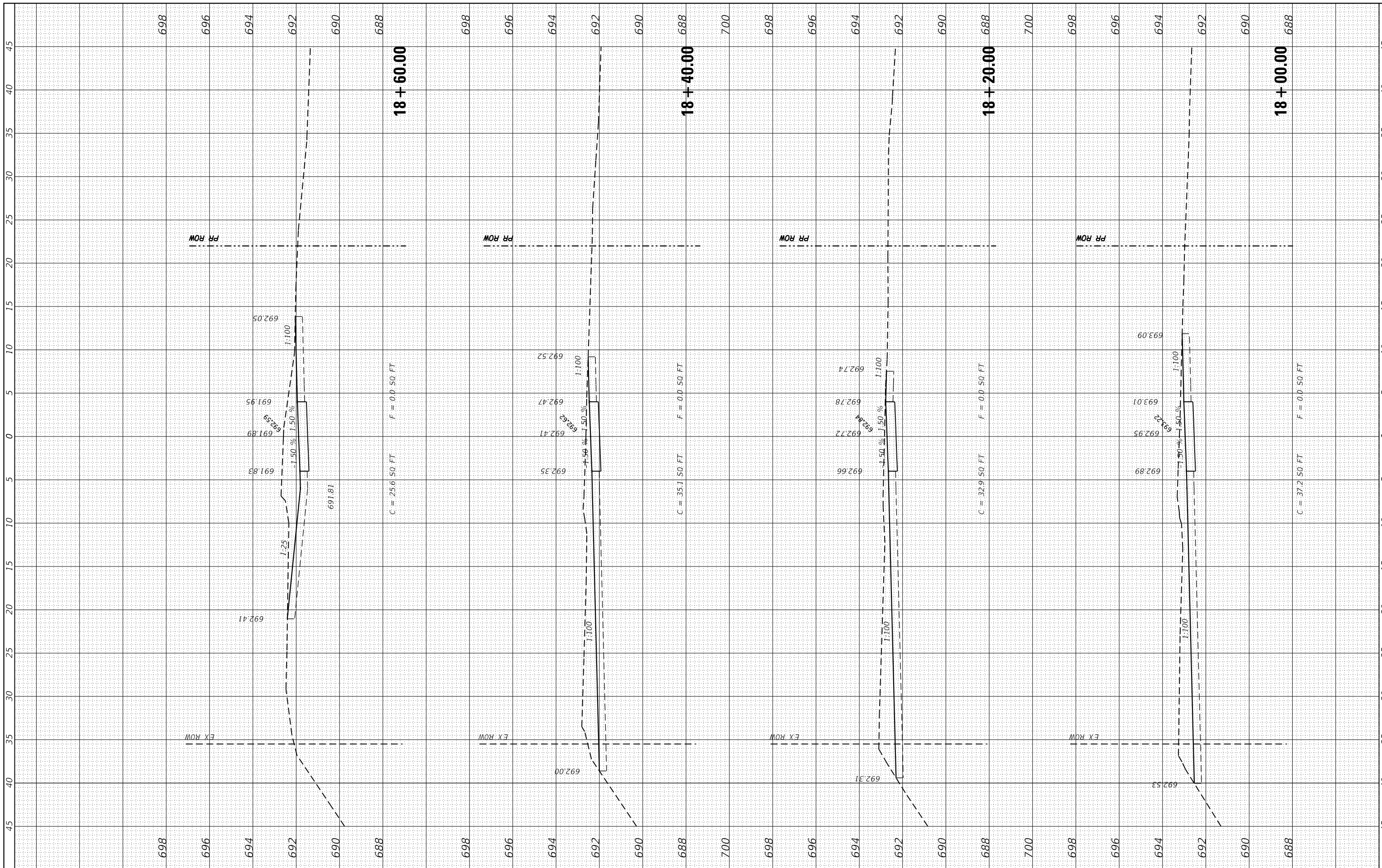
CROSS SECTIONS
 SCALE: SHEET 9 OF 24 SHEETS STA. 17+20.00 TO STA. 17+80.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| 9321 | 17-00045-02-BT | MONROE | 44 | 29 |
| CONTRACT NO. 97719 | | | | |

ILLINOIS FED. AID PROJECT

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampw
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

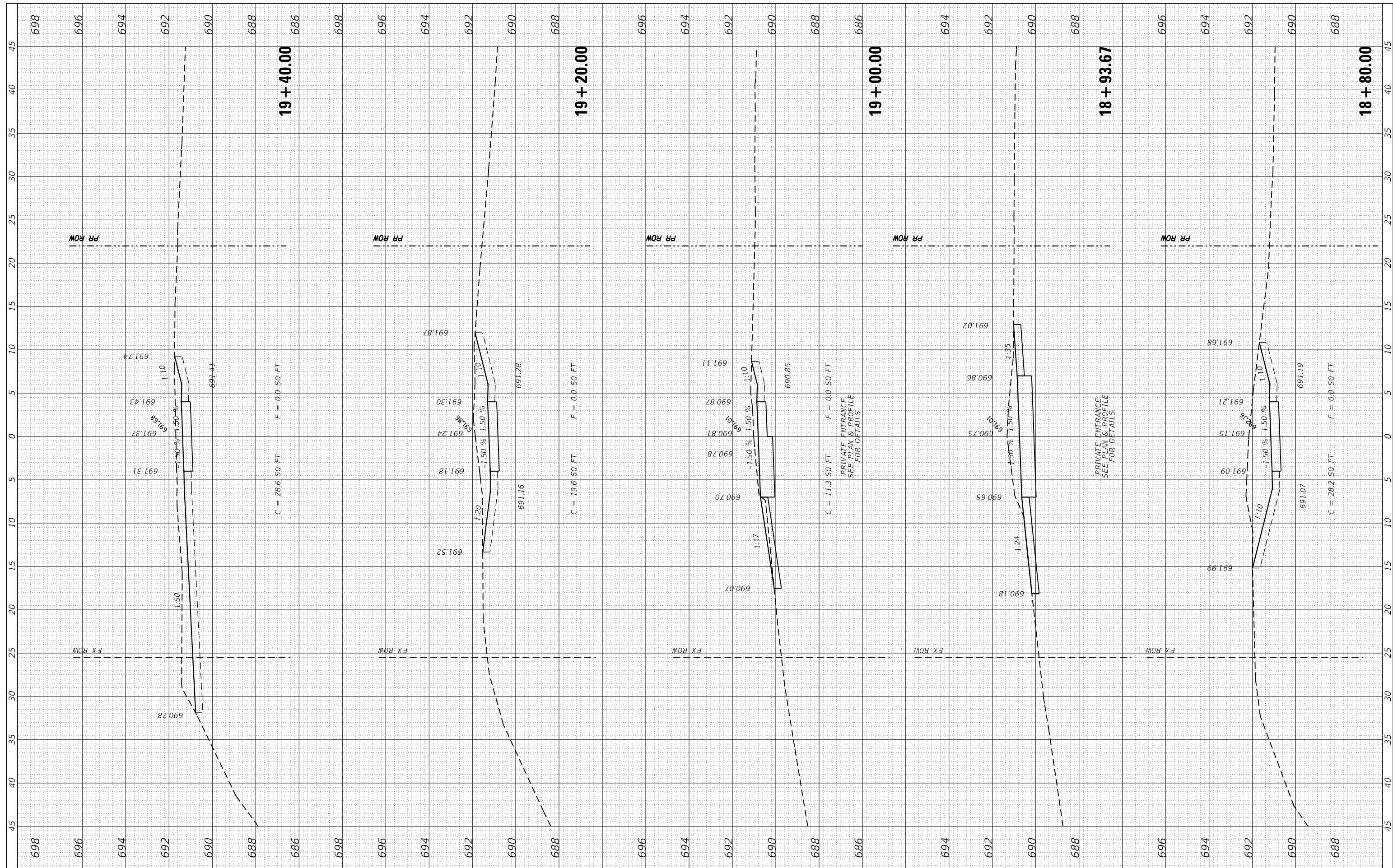
SCALE: SHEET 10 OF 24 SHEETS STA. 18+00.00 TO STA. 18+60.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 30 |
| CONTRACT NO. 97719 | | | | |

ILLINOIS FED. AID PROJECT

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HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampwerth
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

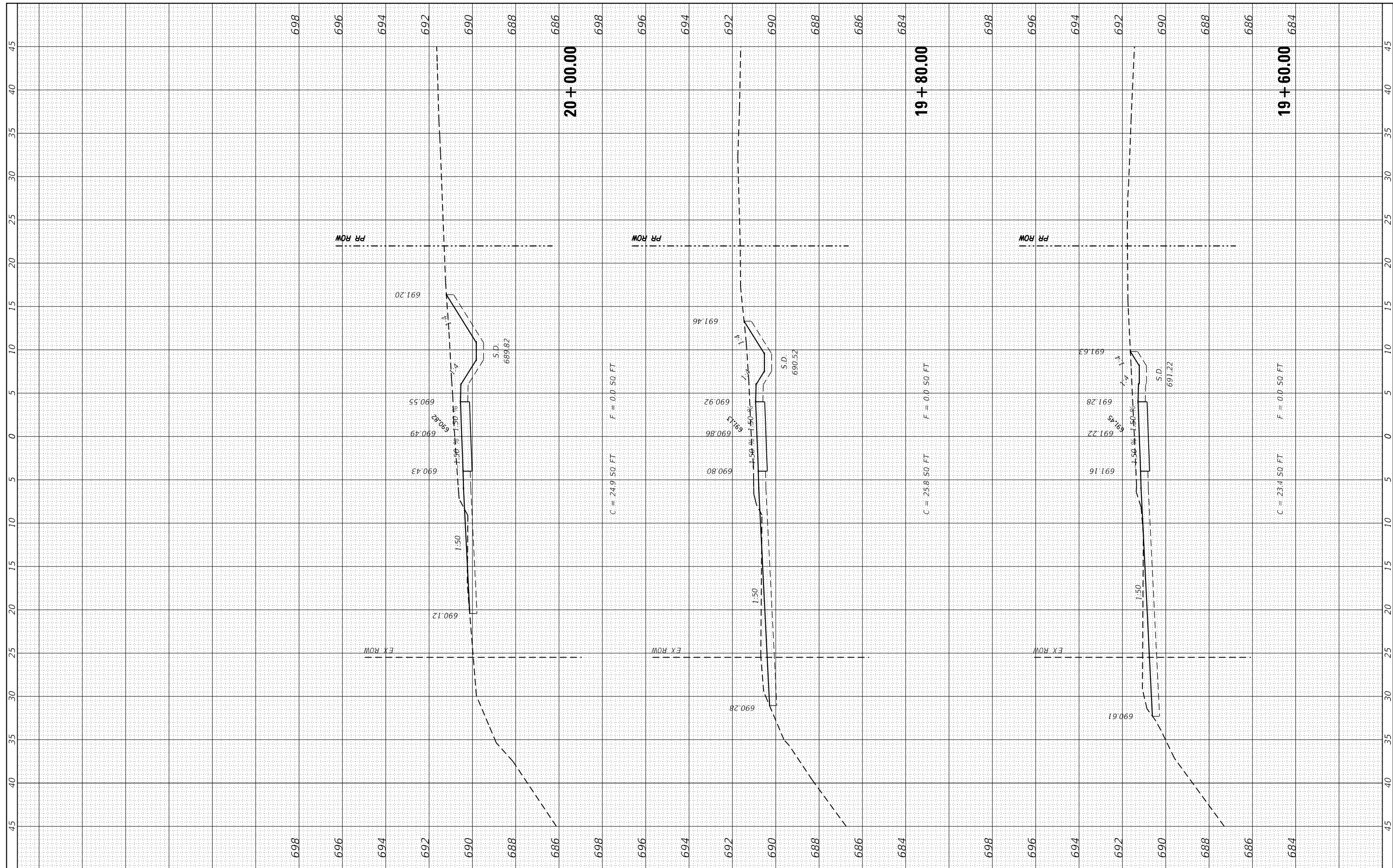
CROSS SECTIONS

SCALE: SHEET 11 OF 24 SHEETS STA. 18+80.00 TO STA. 19+40.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 31 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampweth
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

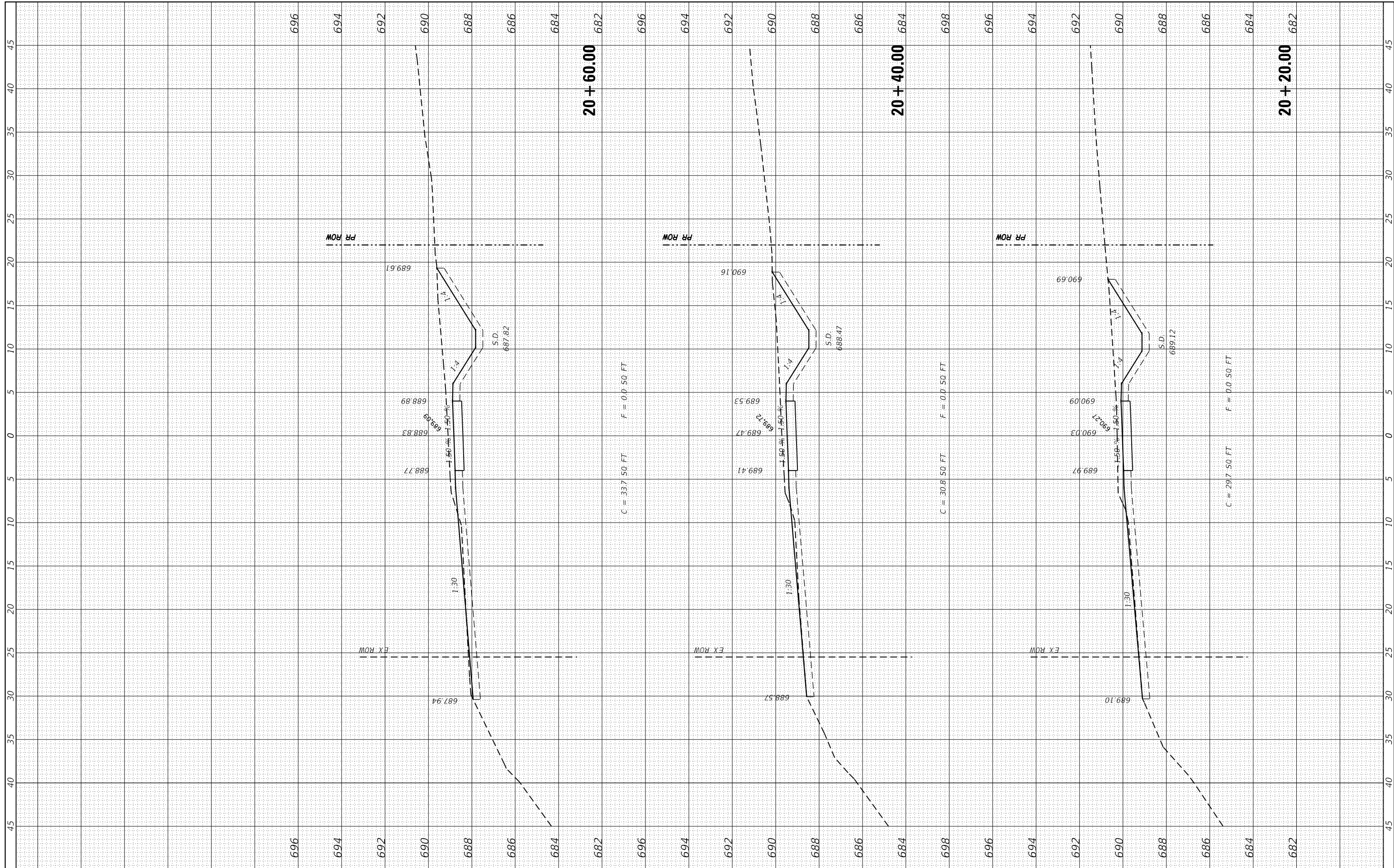
CROSS SECTIONS

SCALE: SHEET 12 OF 24 SHEETS STA. 19+60.00 TO STA. 20+00.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 32 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED | BY | DATE |
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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampweth
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 1/10/2020

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

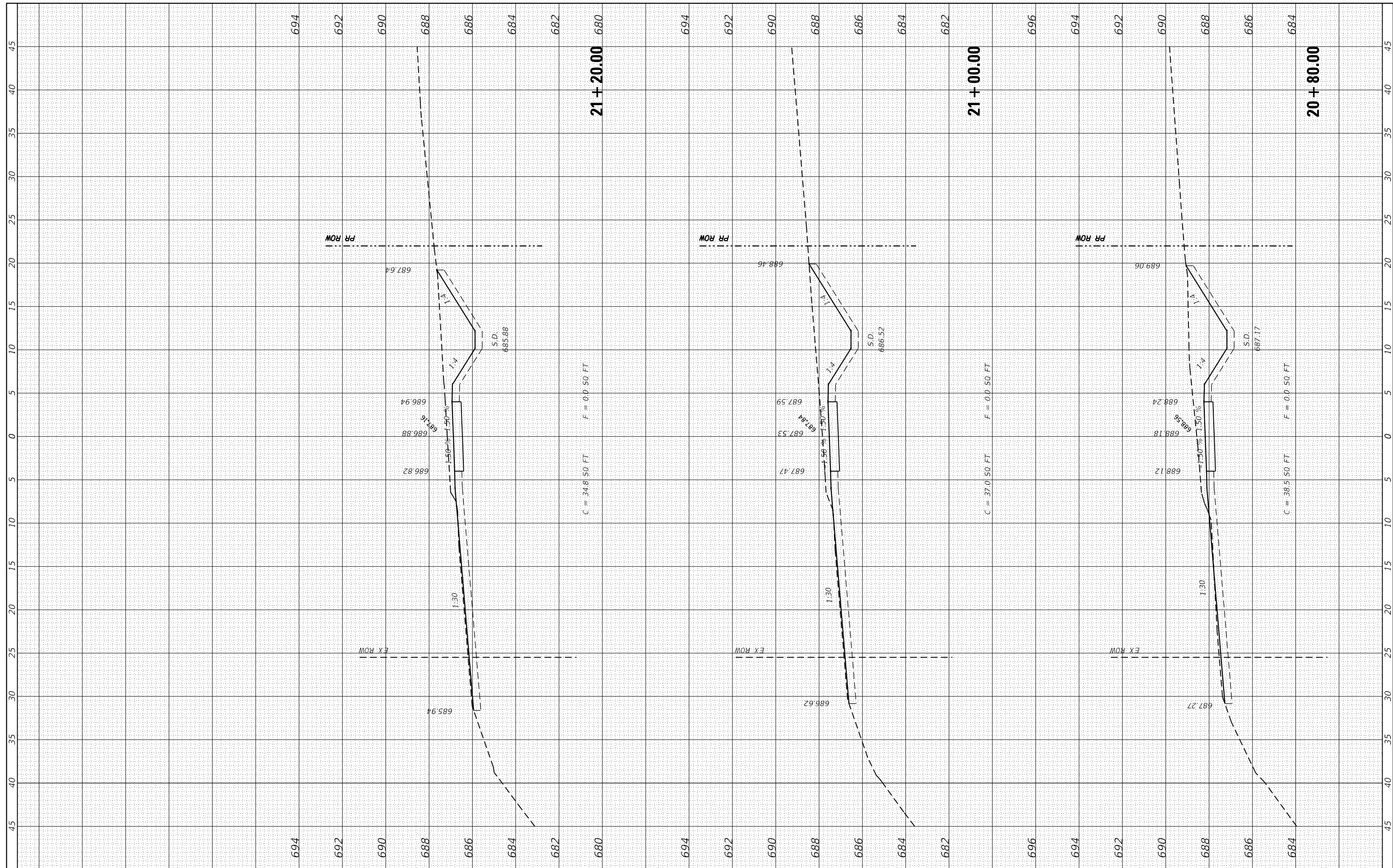
CROSS SECTIONS

SCALE: SHEET 13 OF 24 SHEETS STA. 20+20.00 TO STA. 20+60.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 33 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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USER NAME = jkampweth
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

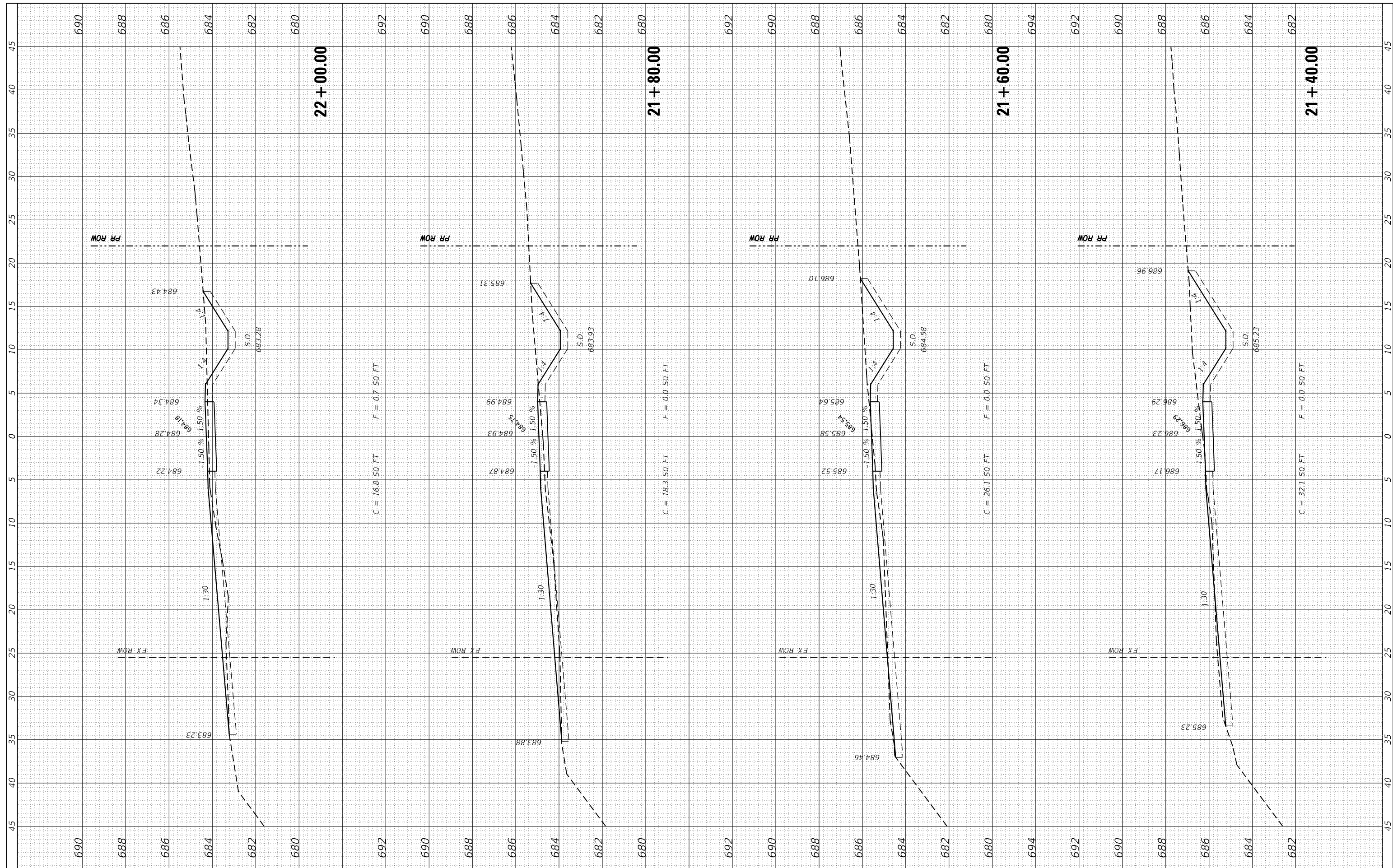
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET 14 OF 24 SHEETS STA. 20+80.00 TO STA. 21+20.00

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 34 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

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USER NAME = jkampwerth
 PLOT SCALE = 10.0000' / in.
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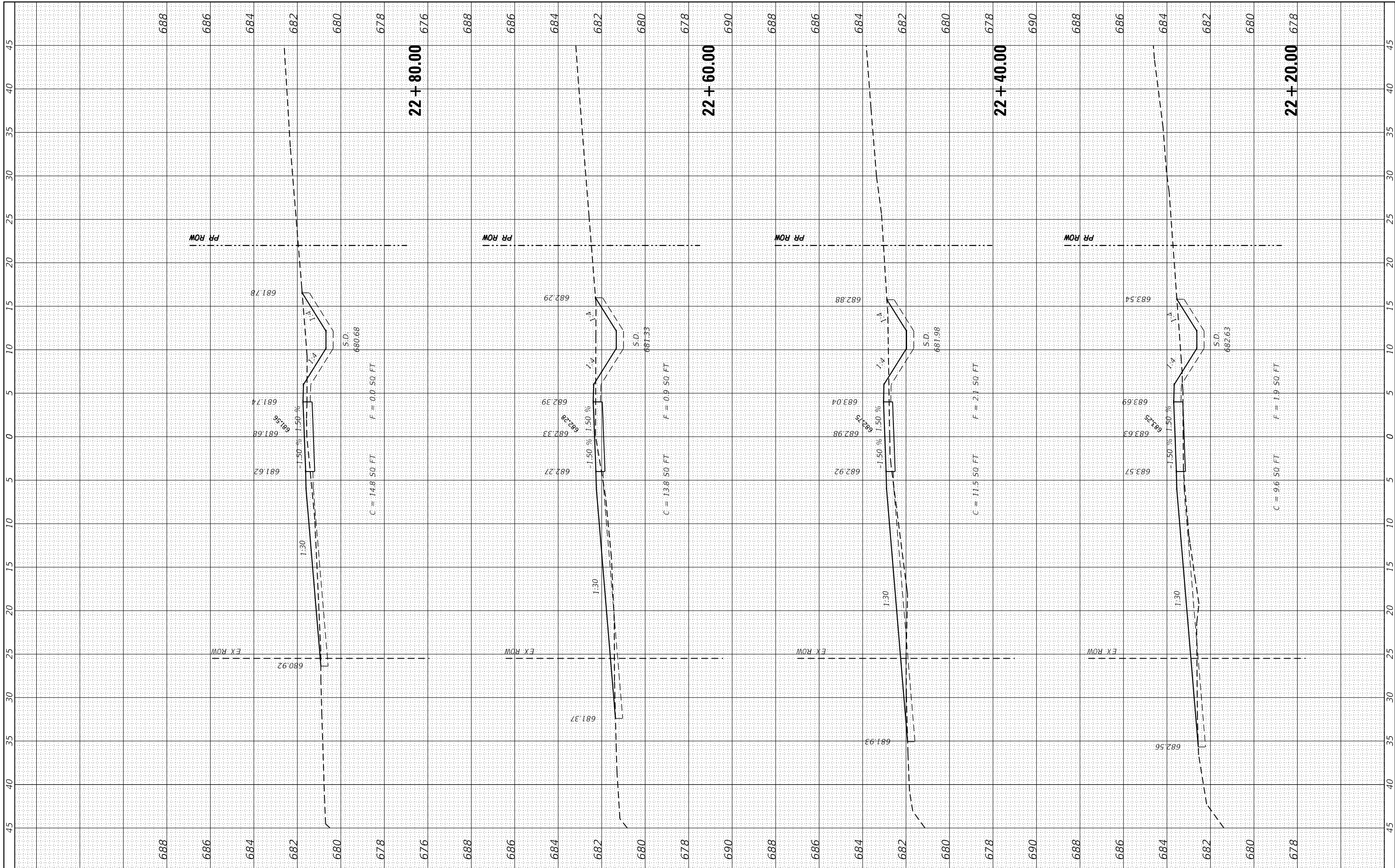
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET 15 OF 24 SHEETS STA. 21+40.00 TO STA. 22+00.00

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|---------------------------|------------------------|---------------|-----------------|--------------|
| F.A.U. RT. 9321 | SECTION 17-00045-02-BT | COUNTY MONROE | TOTAL SHEETS 44 | SHEET NO. 35 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

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USER NAME = jkampwrth
 PLOT SCALE = 10.0000' / 1" /
 PLOT DATE = 1/10/2020

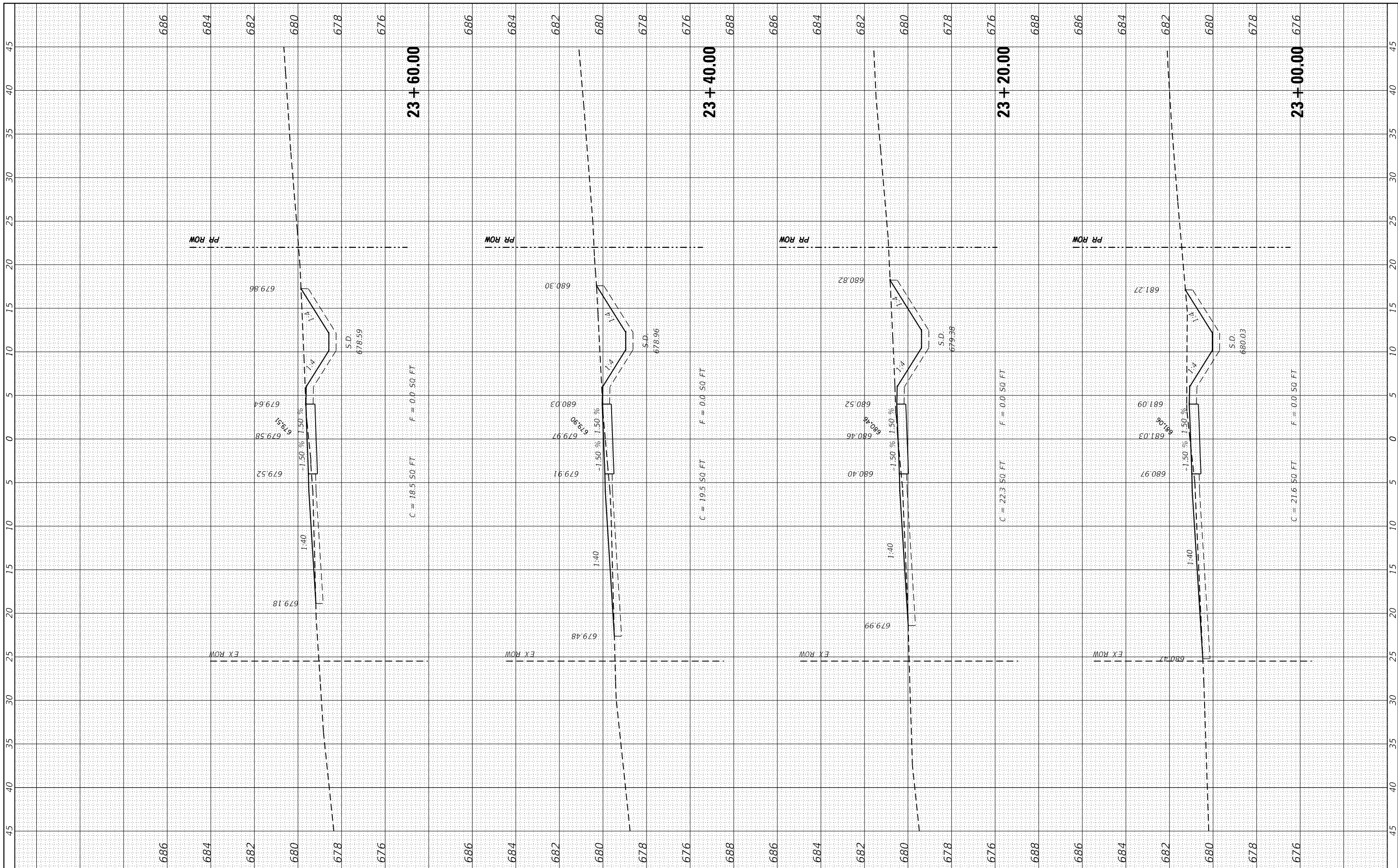
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET 16 OF 24 SHEETS STA. 22+20.00 TO STA. 22+80.00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 36 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

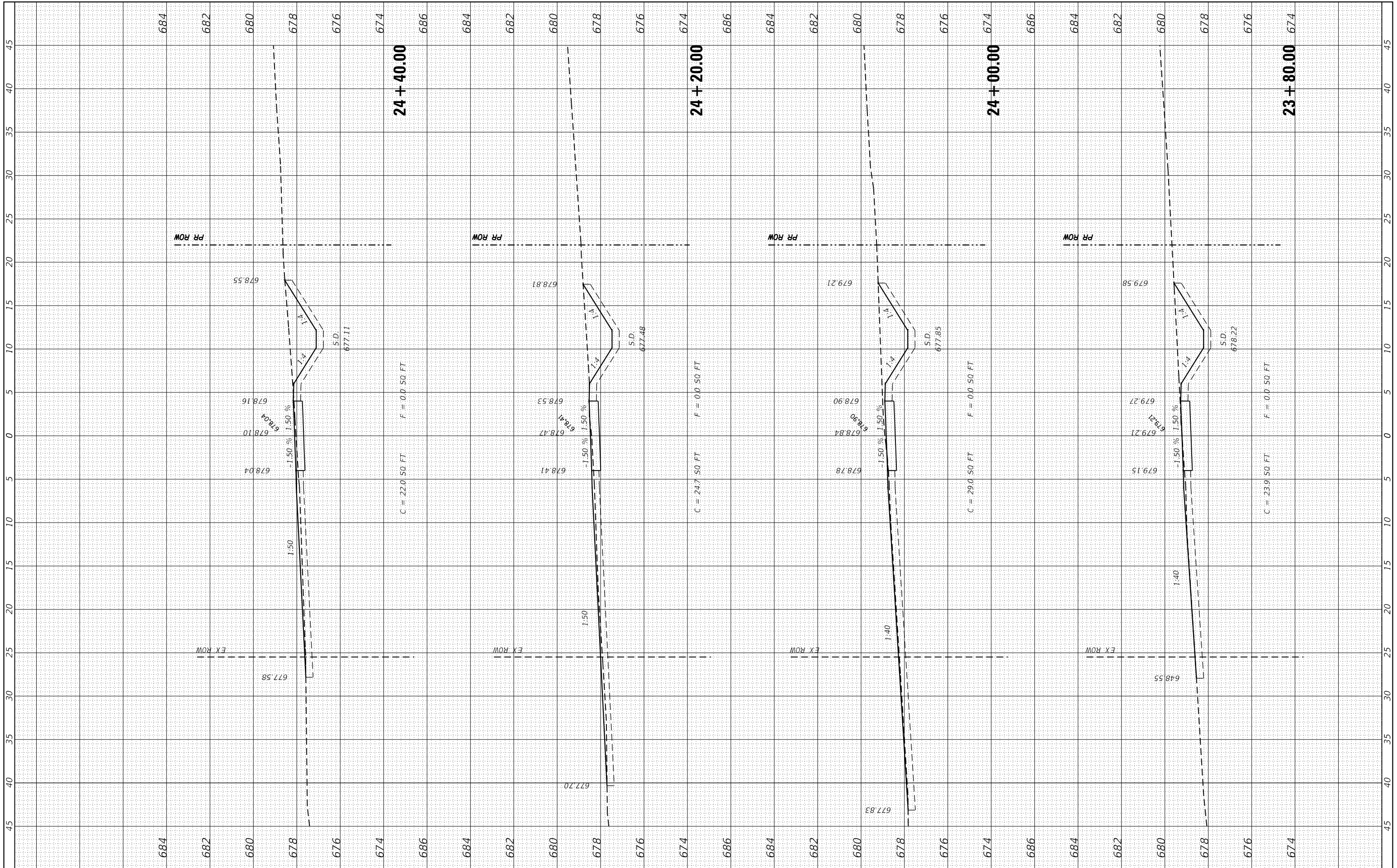
CROSS SECTIONS

SCALE: SHEET 17 OF 24 SHEETS STA. 23+00.00 TO STA. 23+60.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 37 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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USER NAME = jkampert
 PLOT SCALE = 10.0000' / in.
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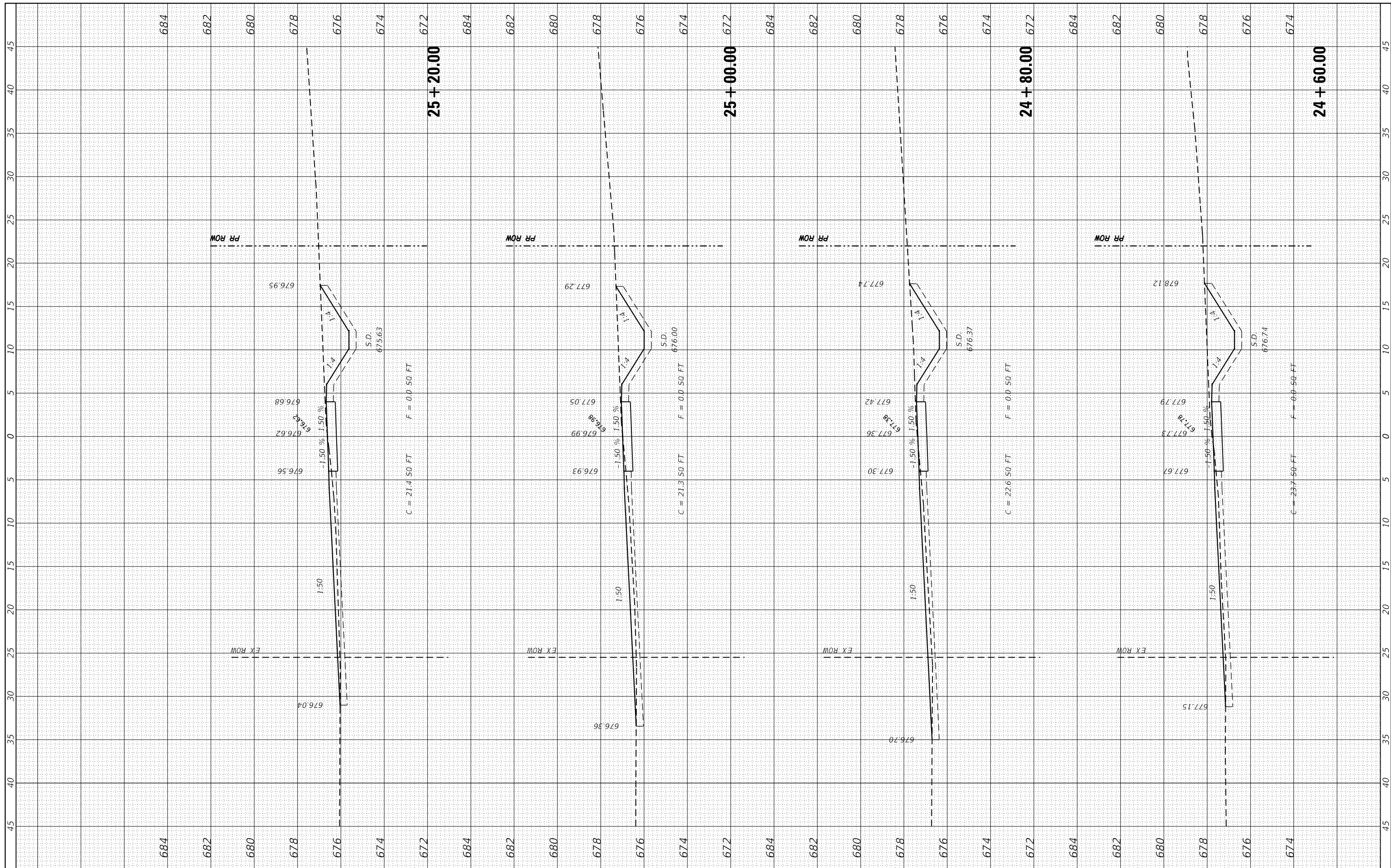
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET 18 OF 24 SHEETS STA. 23+80.00 TO STA. 24+40.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 38 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
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 PLOT SCALE = 10.0000" / 1"
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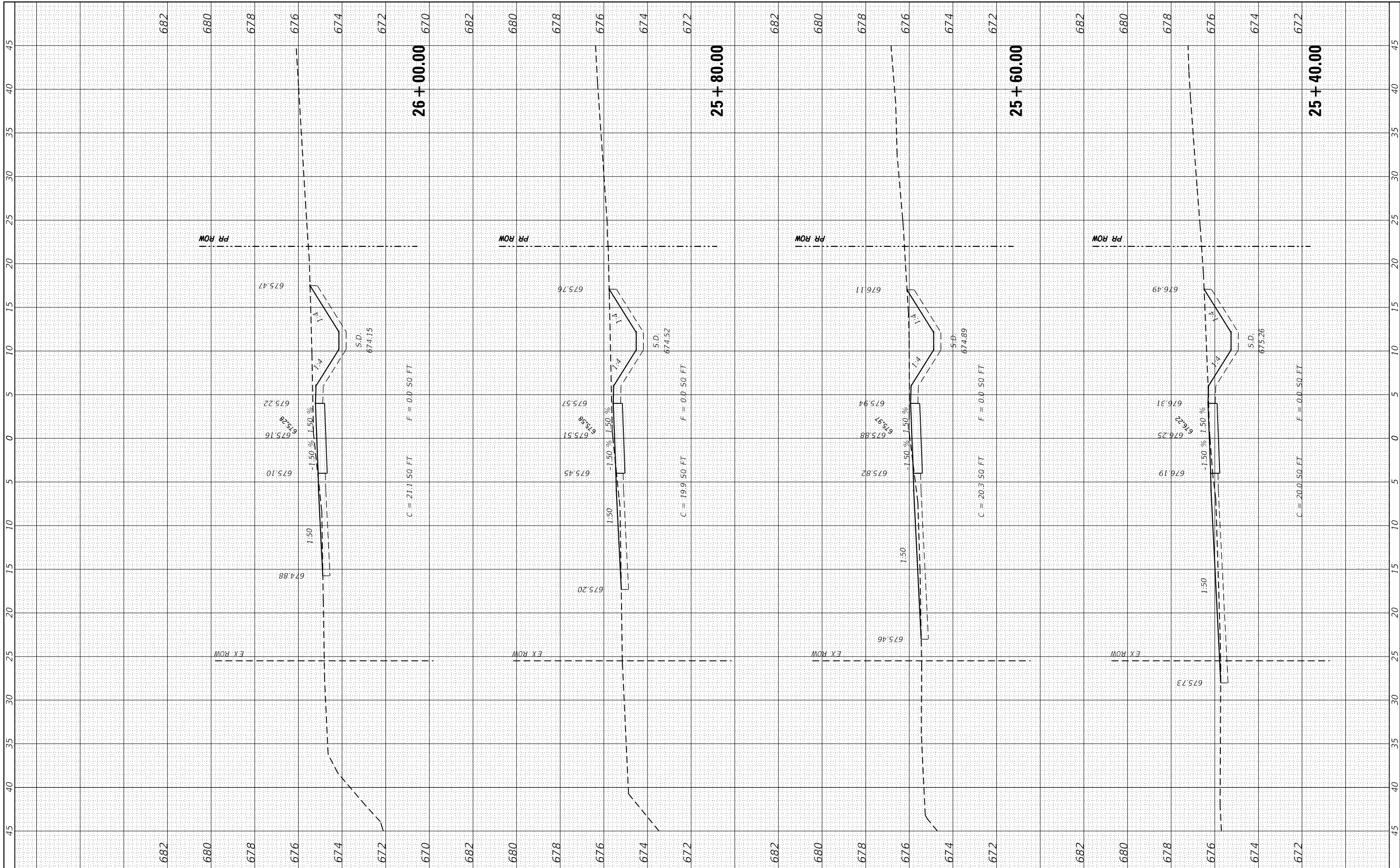
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET 19 OF 24 SHEETS STA. 24+60.00 TO STA. 25+20.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 39 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT_XS.dgn |
| DESIGNED - |
| DRAWN - |
| USER NAME = jkempweth |
| CHECKED - |
| PLOT SCALE = 10.0000' / in. |
| DATE - |
| PLOT DATE = 1/10/2020 |

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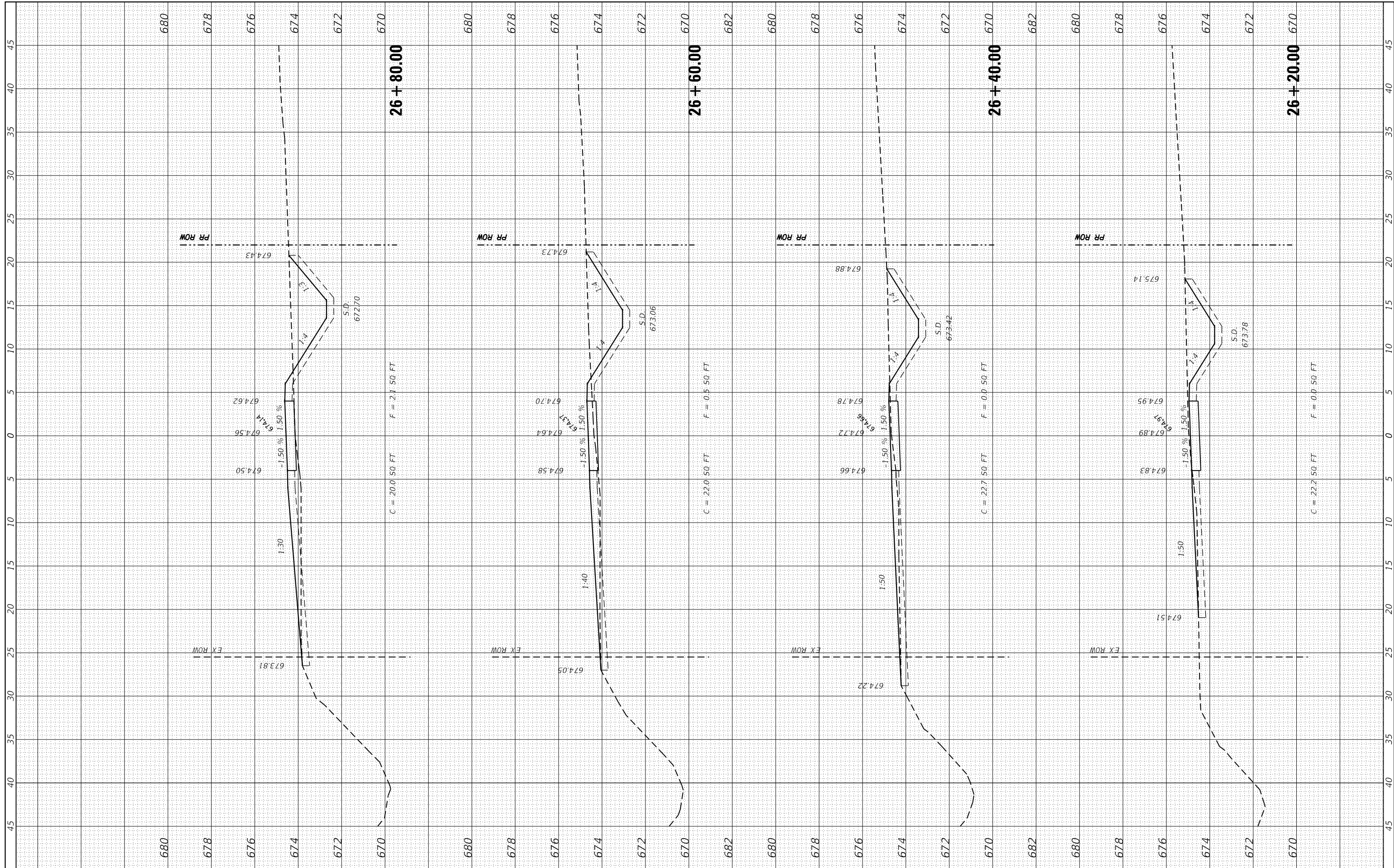
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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| CROSS SECTIONS | |
| SCALE: | SHEET 20 OF 24 SHEETS STA. 25+40.00 TO STA. 26+00.00 |

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|---------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9321 | 17-00045-02-BT | MONROE | 44 | 40 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT_XS.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

USER NAME = jkempwrth
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

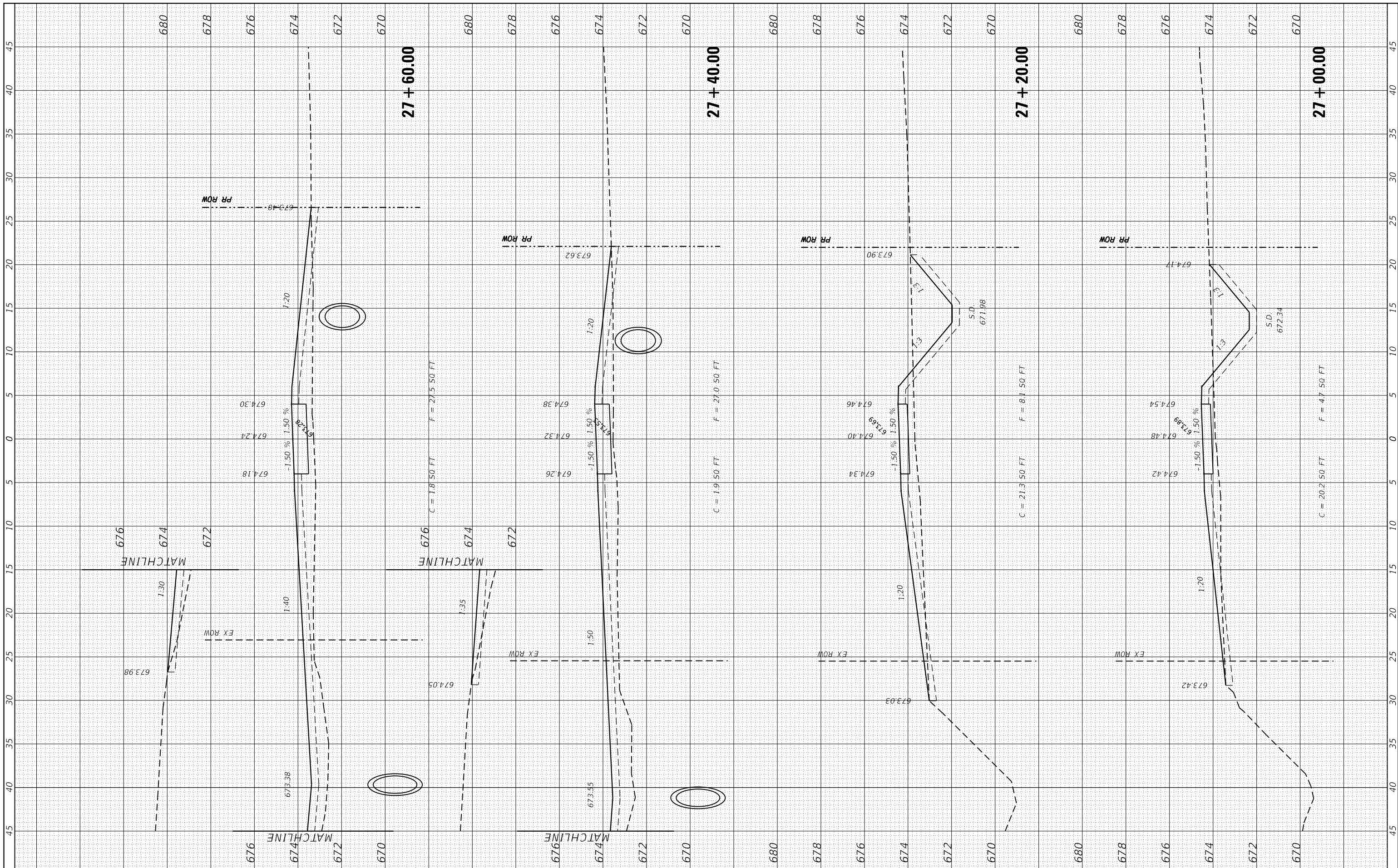
CROSS SECTIONS

SCALE: SHEET 21 OF 24 SHEETS STA. 26+20.00 TO STA. 26+80.00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9321 | 17-00045-02-BT | MONROE | 44 | 41 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS | | |
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| FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT.XS.dgn |
| HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611 |
| USER NAME = jkempw@th |
| PLOT SCALE = 10.0000" / 1' |
| PLOT DATE = 1/10/2020 |

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

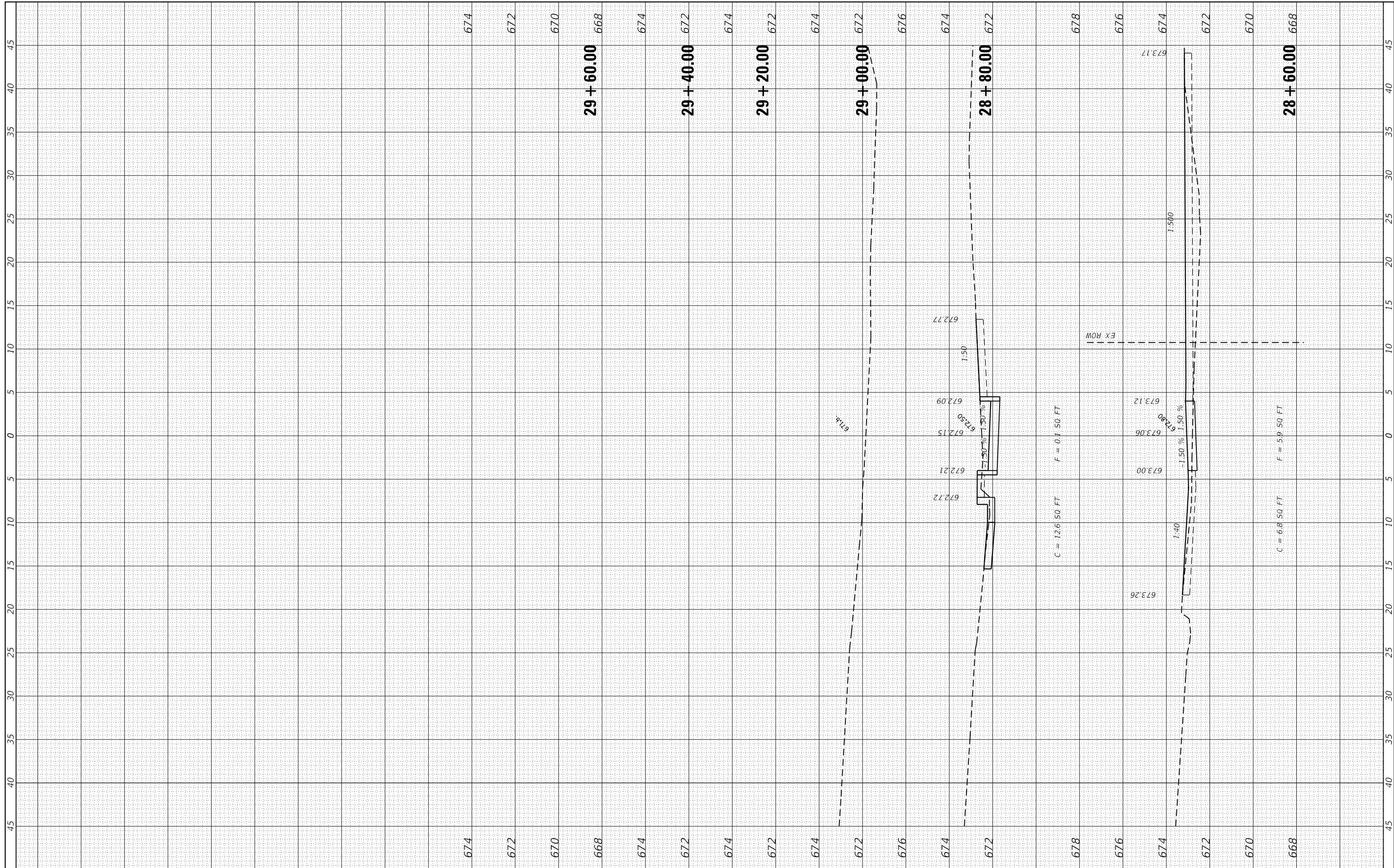
CROSS SECTIONS

SCALE: SHEET 22 OF 24 SHEETS STA. 27+00.00 TO STA. 27+60.00

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|---------------------------|------------------------|---------------|-----------------|--------------|
| F.A.U. RTE. 9321 | SECTION 17-00045-02-BT | COUNTY MONROE | TOTAL SHEETS 44 | SHEET NO. 42 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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|---------------------|---|----|------|
| ORIGINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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FILE NAME = H:\7510.Waterloo.South.Market.St\CADD_Sheets\7510.SHT_XS.dgn
 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 (618) 526-9611
 USER NAME = jkampwr th
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/10/2020

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| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: SHEET 24 OF 24 SHEETS STA. 28+60.00 TO STA. 29+60.00

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|---------------------------|------------------------|---------------|-----------------|--------------|
| F.A.U. RT. 9321 | SECTION 17-00045-02-BT | COUNTY MONROE | TOTAL SHEETS 44 | SHEET NO. 44 |
| CONTRACT NO. 97719 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |