

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PROPOSED  
HIGHWAY PLANS**

FAU ROUTES 9315 (MOORE ST.) AND 9316 (COLUMBIA AVE.)

PHASES 5 & 6

CITY OF WATERLOO

SECTION 15-00032-04-PV

PROJECT NO. HXOK(447)

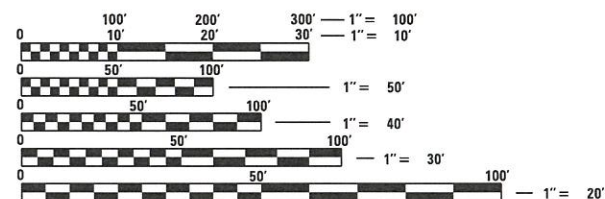
FEDERAL AID PROJECT

MONROE COUNTY

JOB NO. C-98-071-19

STR FUNDS

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR HIGHWAY STANDARDS SEE SHEET NO. 2



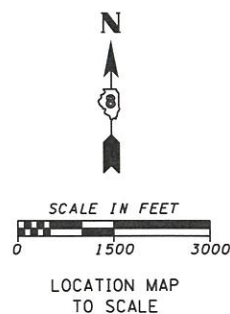
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**MOORE STREET:**  
ROADWAY DESIGN: MAJOR COLLECTOR-URBAN  
DESIGN SPEED: 30 MPH  
CURRENT ADT (2020):  
SOUTH LEG: 2,309; NORTH LEG: 2,534  
DESIGN YEAR ADT (2040):  
SOUTH LEG: 3,431; NORTH LEG: 3,765

**COLUMBIA AVEUNE:**  
ROADWAY DESIGN: MAJOR COLLECTOR-URBAN  
DESIGN SPEED: 30 MPH  
CURRENT ADT (2020):  
WEST LEG: 1,200; EAST LEG: 2,140  
DESIGN YEAR ADT (2040):  
WEST LEG: 1,783; EAST LEG: 3,180

CONTRACT NO. 97717



CONSTRUCTION LIMITS

TOWNSHIP NO.: 2S  
RANGE: 10W

END PROJECT STA. 111+59.20

BEGIN PROJECT STA. 999+80.22

END PROJECT STA. 1004+50

BEGIN PROJECT STA. 100+56.70

MOORE STREET (BOTH PHASES 5 & 6)  
GROSS LENGTH = 1,210.81 FT. = 0.229 MILE  
NET LENGTH = 1,210.81 FT. = 0.229 MILE

COLUMBIA AVENUE (IN PHASE 5):  
GROSS LENGTH = 469.78 FT. = 0.089 MILE  
NET LENGTH = 469.78 FT. = 0.089 MILE

TOTAL (BOTH PHASES 5 & 6):  
GROSS LENGTH = 1,680.59 FT. = 0.318 MILE  
NET LENGTH = 1,680.59 FT. = 0.318 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 4-1-21  
*Tom Smith*  
TOM SMITH, MAYOR

PASSED April 6 20 21  
*Keith Robertson*  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW April 6 20 21  
*Keith Robertson*  
REGION FIVE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
4-1-21

*Christopher R. Wilson*  
CHRISTOPHER R. WILSON, P.E.  
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, NO. 062-051234  
REGISTRATION EXPIRES NOVEMBER 30, 2021

**GENERAL NOTES**

- ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM (NAV88).
- THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUB-CONTRACTED WORK, REGARDLESS OF FUNDING SOURCE. THE SPECIAL PROVISIONS, SPECIFICATIONS, AND STANDARD SPECIFICATIONS SHALL GOVERN CONTRACTUAL REQUIREMENTS FOR SAID ARRANGEMENTS. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION.
- ALL ADVANCED WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING TRAFFIC CONTROL DEVICES SO THESE ARE NOT HAZARDS TO TRAFFIC, AT ALL TIMES OF THE DAY AND NIGHT.
- UNDERGROUND UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE RECORDS AND THEIR ACTUAL LOCATION IS NOT GUARANTEED TO BE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING J.U.L.I.E. IN ALL AREAS TO BE DISTURBED WHETHER WITHIN PROJECT LIMITS OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING POSITIVE DRAINAGE IN THE DISTURBED AREAS, TO THE SATISFACTION OF THE ENGINEER.
- ALL AREAS THAT ARE DISTURBED BEYOND THE SEEDING LIMITS SHALL BE GRADED, SEEDED, AND HAVE EROSION CONTROLS PLACED, BY THE CONTRACTOR AT HIS/HER EXPENSE, IN THE SAME MANNER AS FINAL GRADING WORK PER THE SPECIFICATIONS, TO THE SATISFACTION OF THE ENGINEER.
- ANY LIMIT OF DEPICTED REMOVAL AREAS SHALL BE SAWN AND THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR REMOVAL WORK UNLESS PROVIDED FOR VIA A SEPARATE UNIT PAY ITEM.
- ALL MATERIAL NOT UTILIZED, INCLUDING EARTH MATERIAL EXCAVATED IN ORDER TO ACHIEVE THE PROPOSED GROUND AND BASE ELEVATIONS SHOWN IN THE PLANS, OR INCORPORATED INTO THE PROJECT, SHALL BE REMOVED FROM THE SITE AT THE EXPENSE OF THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL CONTACT THE LOCAL POST OFFICE, AND ANY OTHER OWNERS OF MAILBOXES, WITHIN PROJECT LIMITS TO ARRANGE MODIFIED MAIL DELIVERY WITHIN THE PROJECT LIMITS.
- NO CONSTRUCTION STAGING OR EQUIPMENT AND VEHICULAR PARKING WILL OCCUR ON THE ENOCH MOORE HOUSE PROPERTY (SUSAN WARD/HELPING HAND THRIFT STORE) AT 695 NORTH MOORE STREET.
- RETAINING WALL FORM LINER SHALL BE GREENSTREAK BRAND NO. 439 (STONE TEXTURE - SIERRA DRYSTACK).
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

**APPLICATION RATES**

|   |  |
|---|--|
| AGGREGATE MATERIALS                         | 2.05 TONS/CU YD  |
| GRANULAR MATERIALS                          | 2.05 TONS/CU YD  |
| AGGREGATE (PRIME COAT); (SAND)              | 5 LBS/SQ YD (AGGREGATE SURFACE) OR<br>3 LBS/SQ YD (CONCRETE OR BITUMINOUS SURFACE)   |
| BITUMINOUS CONCRETE SURFACE & BINDER COURSE | 112 LBS/SQ YD/INCH OR 2.016 TONS/CU YD   |
| BITUMINOUS PRIME COAT                       | RESIDUAL ASPHALT RATE = 0.25 LBS/SQ FT (ON AGGREGATE SURFACE), OR<br>RESIDUAL ASPHALT RATE = 0.05 LBS/SQ FT (ON MILLED SURFACES), OR<br>RESIDUAL ASPHALT RATE = 0.025 LBS/SQ FT (BETWEEN LIFTS OF ASPHALT) |
| FOR SEEDED AREAS                            |  |
| NITROGEN FERTILIZER NUTRIENT                | 90 LBS/ACRE  |
| PHOSPHORUS FERTILIZER NUTRIENT              | 90 LBS/ACRE  |
| POTASSIUM FERTILIZER NUTRIENT               | 90 LBS/ACRE  |
| AGRICULTURAL GROUND LIMESTONE               | 2 TONS/ACRE  |
| TEMPORARY EROSION CONTROL SEEDING           | 100 LB/ACRE  |

**COMMITMENTS**

- REMOVAL OF TREES THREE (3) INCHES IN DIAMETER AND GREATER AT BREAST HEIGHT SHALL NOT BE OCCUR BETWEEN APRIL 1 TO SEPTEMBER 30 OF THE SAME YEAR TO PRESERVE BAT HABITATS IN THE SUMMER AS REQUIRED BY IDOT.

**KNOWN UTILITY COMPANIES**

|  |   |
|--|---|
| STORM SEWER, WATER, SANITARY SEWER,<br>OVERHEAD & BURIED ELECTRIC (BOTH<br>POWER & STREET LIGHTS), AND GAS (BOTH<br>NORMAL AND HIGH PRESSURE LINES): | FIBER OPTIC AND COPPER, BURIED:<br><br>HTC<br>213 SOUTH MAIN STREET<br>WATERLOO, ILLINOIS 62298 |
| CITY OF WATERLOO, ILLINOIS<br>100 WEST FOURTH STREET<br>WATERLOO, ILLINOIS 62298-1333  | ATTENTION:<br>TOM SCHRIEBER<br>(618) 939-6112   |
| ATTENTION:<br>TIM BIRK, PUBLIC WORKS MANAGER<br>TELEPHONE: (618) 939-8661<br>EMAIL: dvoss@charter.net  |   |

**INDEX OF SHEETS**

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**HIGHWAY STANDARDS**

**LIST OF 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  |
| 420111-04 | PCC PAVEMENT ROUNDOUTS   |
| 424001-11 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS   |
| 424016-05 | MID-BLOCK CURB RAMPS FOR SIDEWALKS   |
| 424026-03 | ENTRANCE/ALLEY PEDESTRIAN CROSSINGS  |
| 542301-03 | PRECAST CONCRETE FLARED END SECTION  |
| 542601-03 | REINFORCED CONCRETE PIPE ELBOW 24", 30" OR 36"                                     |
| 542606-02 | REINFORCED CONCRETE PIPE TEE   |
| 602301-04 | INLET - TYPE A   |
| 602306-03 | INLET - TYPE B   |
| 602401-07 | MANHOLE TYPE A 4' DIAMETER   |
| 602406-11 | MANHOLE TYPE A 6' DIAMETER   |
| 602421-09 | MANHOLE TYPE A 9' DIAMETER   |
| 602601-06 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP  |
| 602701-02 | MANHOLE STEPS  |
| 604001-04 | FRAMES AND LIDS TYPE 1   |
| 604006-05 | FRAME AND GRATE TYPE 3   |
| 604011-05 | FRAME AND GRATE TYPE 3V  |
| 606001-07 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER                      |
| 666001-01 | ROW MARKERS  |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY                                      |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE                           |
| 701011-04 | OFF-RD MOVING OPERATIONS, 2L, 2W DAY ONLY  |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY                                 |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED  |
| 701502-09 | URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE                      |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION   |
| 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 & B METAL POSTS (FOR SIGNS AND MARKERS)                    |
| 731001-01 | BASE FOR TELESCOPING STEEL SIGN SUPPORT  |
| 780001-05 | TYPICAL PAVEMENT MARKINGS  |
| BLR 17-4  | TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION                                   |
| BLR 21-9  | TYPICAL APPLICATION TRAFFIC CONTROL DEVICES - CONSTRUCTION ON RURAL LOCAL HIGHWAYS |

|  |                             |            |           |   |  |                           |         |        |              |           |
|--|-----------------------------|------------|-----------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = k_jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS<br/>APPLICATION RATES, UTILITIES, &amp; COMMITMENTS</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU-Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_02_Gen | DRAWN -                     | REVISED -  | 9315      |   |  | 15-00032-04-PV            | MONROE  | 132    | 2            |           |
| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |  | <b>CONTRACT NO. 9717</b>  |         |        |              |           |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |         |        |              |           |

SUMMARY OF QUANTITIES

| SP | S | CODE NO. | ITEM   | UNIT  | QUANTITY |
|----|---|----------|--|-------|----------|
|    | Δ | 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER)                | UNIT  | 114      |
|    | Δ | 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER)                | UNIT  | 24       |
|    | Δ | 20100500 | TREE REMOVAL, ACRES                                  | ACRE  | 0.25     |
|    |   | 20200100 | EARTH EXCAVATION                                     | CU YD | 3,470    |
|    |   | 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL          | CU YD | 1,256    |
|    |   | 20700110 | POROUS GRANULAR EMBANKMENT                           | TON   | 100      |
|    |   | 20900110 | POROUS GRANULAR BACKFILL                             | CU YD | 235      |
|    |   | 21101505 | TOPSOIL EXCAVATION AND PLACEMENT                     | CU YD | 2,065    |
|    | Δ | 25000110 | SEEDING, CLASS 1A                                    | ACRE  | 2.39     |
|    | Δ | 25000400 | NITROGEN FERTILIZER NUTRIENT                         | POUND | 215      |
|    | Δ | 25000500 | PHOSPHORUS FERTILIZER NUTRIENT                       | POUND | 215      |
|    | Δ | 25000600 | POTASSIUM FERTILIZER NUTRIENT                        | POUND | 215      |
|    | Δ | 25000700 | AGRICULTURAL GROUND LIMESTONE                        | TON   | 4.8      |
|    | Δ | 25100115 | MULCH, METHOD 2                                      | ACRE  | 2.39     |
|    | Δ | 25100635 | HEAVY DUTY EROSION CONTROL BLANKET                   | SQ YD | 2,887    |
|    |   | 28000250 | TEMPORARY EROSION CONTROL SEEDING                    | POUND | 239      |
|    |   | 28000305 | TEMPORARY DITCH CHECKS                               | FOOT  | 177      |
|    |   | 28000400 | PERIMETER EROSION BARRIER                            | FOOT  | 445      |
|    |   | 28000500 | INLET AND PIPE PROTECTION                            | EACH  | 63       |
|    |   | 28100705 | STONE DUMPED RIPRAP, CLASS A3                        | SQ YD | 929      |
|    |   | 28200200 | FILTER FABRIC  | SQ YD | 929      |
|    | * | 30300001 | AGGREGATE SUBGRADE IMPROVEMENT                       | CU YD | 157      |
|    |   | 31100910 | SUBBASE GRANULAR MATERIAL, TYPE A 12"                | SQ YD | 2,430    |
|    |   | 35100100 | AGGREGATE BASE COURSE, TYPE A                        | TON   | 1,278    |
|    |   | 35100300 | AGGREGATE BASE COURSE, TYPE A 4"                     | SQ YD | 1,133    |
|    |   | 35100700 | AGGREGATE BASE COURSE, TYPE A 8"                     | SQ YD | 1,662    |
|    |   | 35101100 | AGGREGATE BASE COURSE, TYPE A 12"                    | SQ YD | 2,859    |
|    |   | 35501310 | HOT-MIX ASPHALT BASE COURSE, 6 1/2"                  | SQ YD | 2,642    |
|    |   | 40201000 | AGGREGATE FOR TEMPORARY ACCESS                       | TON   | 122      |
|    |   | 40600275 | BITUMINOUS MATERIALS (PRIME COAT)                    | POUND | 9,182    |
|    |   | 40603085 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70          | TON   | 415      |
|    |   | 40604062 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | TON   | 442      |
|    |   | 42000301 | PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)       | SQ YD | 2,106    |
|    |   | 42001300 | PROTECTIVE COAT                                      | SQ YD | 4,478    |
|    |   | 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH   | SQ YD | 1,085    |
|    |   | 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH             | SQ FT | 7,177.0  |
|    |   | 42400800 | DETECTABLE WARNINGS                                  | SQ FT | 180.5    |
|    |   | 44000100 | PAVEMENT REMOVAL                                     | SQ YD | 4,875    |
|    |   | 44000200 | DRIVEWAY PAVEMENT REMOVAL                            | SQ YD | 1,383    |

Δ SPECIALTY ITEMS

|   |                              |            |           |   |                              |                    |                     |              |                           |           |
|---|------------------------------|------------|-----------|---|------------------------------|--------------------|---------------------|--------------|---------------------------|-----------|
| FILE NAME =   | USER NAME = k_jones          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. RTE.          | SECTION             | COUNTY       | TOTAL SHEETS              | SHEET NO. |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384_Phase5&6_CADDSheets\7384_Phase5&6_03tab | DRAWN -                      | REVISED -  | 9315      |   |                              | 15-00032-04-PV     | MONROE              | 132          | 3                         |           |
| Default   | PLOT SCALE = 20.0000' / 1in. | CHECKED -  | REVISED - |   |                              | CONTRACT NO. 97717 |                     |              |                           |           |
|   | PLOT DATE = 3/30/2021        | DATE -     | REVISED - |   |                              | SCALE:             | SHEET 1 OF 4 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT |           |



**SUMMARY OF QUANTITIES**

| SP | S | CODE NO. | ITEM  | UNIT  | QUANTITY |
|----|---|----------|---|-------|----------|
|    |   | 44000600 | SIDEWALK REMOVAL  | SQ FT | 745      |
|    |   | 44000500 | COMBINATION CURB AND GUTTER REMOVAL                     | FOOT  | 659      |
|    |   | 48101200 | AGGREGATE SHOULDERS, TYPE B                             | TON   | 61       |
|    |   | 50200100 | STRUCTURE EXCAVATION                                    | CU YD | 140      |
|    |   | 50300225 | CONCRETE STRUCTURES                                     | CU YD | 73       |
|    |   | 50300285 | FORM LINER TEXTURED SURFACE                             | SQ FT | 560      |
|    |   | 50300300 | PROTECTIVE COAT   | SQ YD | 131      |
|    |   | 50500505 | STUD SHEAR CONNECTORS                                   | EACH  | 374      |
|    |   | 50800205 | REINFORCEMENT BARS, EPOXY COATED                        | POUND | 4,435    |
|    |   | 52200015 | PERMANENT SHEET PILING                                  | SQ FT | 1,748    |
|    |   | 54010505 | PRECAST CONCRETE BOX CULVERTS 5' X 5'                   | FOOT  | 48.0     |
|    |   | 54010905 | PRECAST CONCRETE BOX CULVERTS 9' X 5'                   | FOOT  | 248.0    |
|    |   | 54210186 | PIPE ELBOW, 18"   | EACH  | 1        |
|    |   | 54210189 | PIPE ELBOW, 24"   | EACH  | 3        |
|    |   | 54210192 | PIPE ELBOW, 36"   | EACH  | 1        |
|    |   | 54213663 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"     | EACH  | 1        |
|    |   | 54213669 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"     | EACH  | 2        |
|    |   | 54216185 | REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER   | EACH  | 3        |
|    |   | 54216190 | REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER   | EACH  | 2        |
|    |   | 54216220 | REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 12" RISER   | EACH  | 5        |
|    |   | 54216597 | REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 15" RISER   | EACH  | 1        |
|    |   | 54248510 | CONCRETE COLLAR   | CU YD | 1.5      |
|    |   | 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12"                       | FOOT  | 58       |
|    |   | 550A0070 | STORM SEWERS, CLASS A, TYPE 1 15"                       | FOOT  | 25       |
|    |   | 550A0090 | STORM SEWERS, CLASS A, TYPE 1 18"                       | FOOT  | 77       |
|    |   | 550A0120 | STORM SEWERS, CLASS A, TYPE 1 24"                       | FOOT  | 78       |
|    |   | 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12"                       | FOOT  | 285      |
|    |   | 550A0360 | STORM SEWERS, CLASS A, TYPE 2 15"                       | FOOT  | 251      |
|    |   | 550A0380 | STORM SEWERS, CLASS A, TYPE 2 18"                       | FOOT  | 342      |
|    |   | 550A0410 | STORM SEWERS, CLASS A, TYPE 2 24"                       | FOOT  | 116      |
|    |   | 550A0450 | STORM SEWERS, CLASS A, TYPE 2 36"                       | FOOT  | 318      |
|    |   | 550A0680 | STORM SEWERS, CLASS A, TYPE 3 18"                       | FOOT  | 20       |
|    |   | 550A2340 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"        | FOOT  | 19       |
|    |   | 550A2360 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"        | FOOT  | 135      |
|    |   | 550A2520 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"        | FOOT  | 29       |
|    |   | 550A2540 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"        | FOOT  | 37       |
|    |   | 550A2560 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"        | FOOT  | 36       |
|    |   | 550A5300 | STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36" | FOOT  | 273      |

△ SPECIALTY ITEMS

|   |   |            |           |   |                              |                    |                     |        |                 |                           |
|---|---|------------|-----------|---|------------------------------|--------------------|---------------------|--------|-----------------|---------------------------|
| FILE NAME =                             | USER NAME = k.jones                         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A.<br>RTE.       | SECTION             | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO.              |
| H:\7384_Waterloo_Moore_St.FAU-Phase.V17 | 84_Phase5&6_CADDSheets\7384_Phase5&6_03to05 | DRAWN -    | REVISED - |   |                              | 9315               | 15-00032-04-PV      | MONROE | 132             | 4                         |
| Default                                 | PLOT SCALE = 20.0000' / 1".                 | CHECKED -  | REVISED - |   |                              | CONTRACT NO. 97717 |                     |        |                 |                           |
|   | PLOT DATE = 3/30/2021                       | DATE -     | REVISED - |   |                              | SCALE:             | SHEET 2 OF 4 SHEETS | STA.   | TO STA.         | ILLINOIS FED. AID PROJECT |



**SUMMARY OF QUANTITIES**

| SP | S | CODE NO. | ITEM   | UNIT  | QUANTITY |
|----|---|----------|--|-------|----------|
|    |   | 55080120 | STORM SEWERS, CLASS B, TYPE 1 24"                        | FOOT  | 8        |
|    |   | 55100500 | STORM SEWER REMOVAL 12"                                  | FOOT  | 183      |
|    |   | 55100900 | STORM SEWER REMOVAL 18"                                  | FOOT  | 110      |
|    |   | 55101400 | STORM SEWER REMOVAL 30"                                  | FOOT  | 107      |
|    |   | 55101900 | STORM SEWER REMOVAL 48"                                  | FOOT  | 51       |
|    |   | 60100915 | PIPE DRAINS 6"   | FOOT  | 35       |
|    |   | 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID  | EACH  | 5        |
|    |   | 60219570 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE   | EACH  | 2        |
|    |   | 60223800 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID  | EACH  | 6        |
|    |   | 60224005 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE              | EACH  | 1        |
|    |   | 60224469 | MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID  | EACH  | 1        |
|    |   | 60236200 | INLETS, TYPE A, TYPE 8 GRATE                             | EACH  | 1        |
|    |   | 60240215 | INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID                 | EACH  | 2        |
|    |   | 60240220 | INLETS, TYPE B, TYPE 3 FRAME AND GRATE                   | EACH  | 1        |
|    |   | 60240301 | INLETS, TYPE B, TYPE 8 GRATE                             | EACH  | 1        |
|    |   | 60260505 | INLETS TO BE ADJUSTED WITH NEW TYPE 3V FRAME AND GRATE   | EACH  | 1        |
|    |   | 60500060 | REMOVING INLETS  | EACH  | 9        |
|    |   | 60605000 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24        | FOOT  | 2,680    |
|    |   | 66600105 | FURNISHING AND ERECTING RIGHT OF WAY MARKERS             | EACH  | 37       |
|    |   | 67100100 | MOBILIZATION   | L SUM | 1        |
|    |   | 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS           | SQ FT | 64       |
|    |   | 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4"                     | FOOT  | 6,404    |
|    |   | 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6"                     | FOOT  | 847      |
|    |   | 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12"                    | FOOT  | 347      |
|    |   | 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24"                    | FOOT  | 53       |
|    | Δ | 72000100 | SIGN PANEL - TYPE 1                                      | SQ FT | 67       |
|    | Δ | 72900200 | METAL POST - TYPE B                                      | FOOT  | 336      |
|    | Δ | 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 48       |
|    | Δ | 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4"             | FOOT  | 6,404    |
|    | Δ | 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6"             | FOOT  | 847      |
|    | Δ | 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12"            | FOOT  | 347      |
|    | Δ | 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24"            | FOOT  | 53       |
|    | * | X0322208 | TEMPORARY STORM SEWER PLUGS                              | EACH  | 2        |
|    | * | X0322916 | PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER  | EACH  | 19       |
|    | * | X0323265 | REMOVE EXISTING RIPRAP                                   | SQ YD | 227      |
|    | * | X0326694 | PLUG EXISTING STORM SEWERS                               | CU YD | 1        |
|    | * | X0327217 | REMOVAL OF TEMPORARY STORM SEWER PLUGS                   | EACH  | 2        |
|    | * | X0327680 | TRENCH DRAIN   | FOOT  | 80       |
|    | * | X0327999 | ANTI-GRAFFITI COATING                                    | SQ FT | 1,179    |

Δ SPECIALTY ITEMS

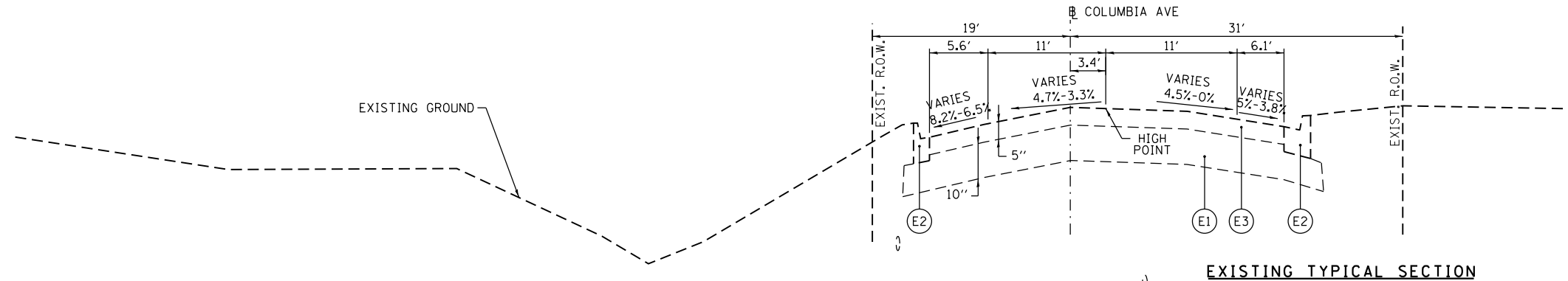
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|---|------------------------------|------------|-----------|---|------------------------------|--------------------|---------------------|---------------------------|--------------|-----------|--|
| FILE NAME = H:\7384_Waterloo_Moore_St.FAU-Phase.V\7384_Phase5&6_CADDSheets\7384_Phase5&6_03to05 | USER NAME = k.jones          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUMMARY OF QUANTITIES</b> | F.A. RTE.          | SECTION             | COUNTY                    | TOTAL SHEETS | SHEET NO. |  |
| Default   | PLOT SCALE = 20.0000' / 1in. | CHECKED -  | REVISED - |   |                              | 9315               | 15-00032-04-PV      | MONROE                    | 132          | 5         |  |
|   | PLOT DATE = 3/30/2021        | DATE -     | REVISED - |   |                              | CONTRACT NO. 97717 |                     | ILLINOIS FED. AID PROJECT |              |           |  |
|   |                              |            |           |   |                              | SCALE:             | SHEET 3 OF 4 SHEETS | STA.                      | TO STA.      |           |  |

SUMMARY OF QUANTITIES

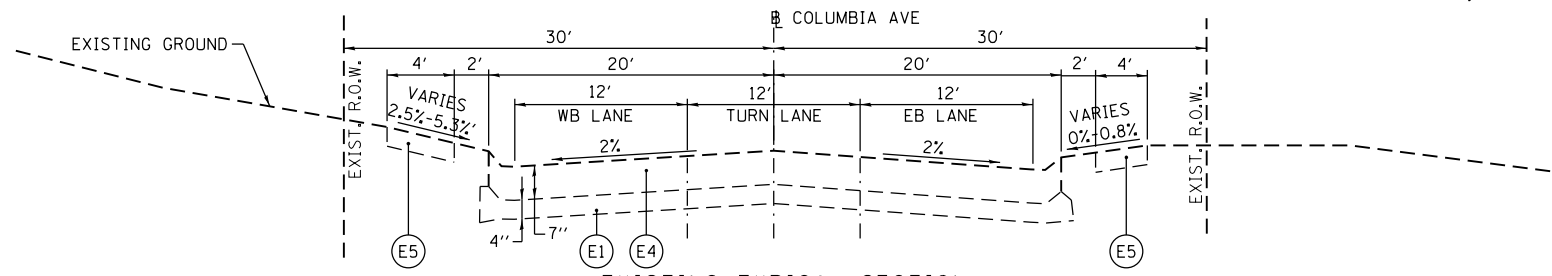
| SP | S | CODE NO.            | ITEM  | UNIT            | QUANTITY         |
|----|---|---------------------|---|-----------------|------------------|
| *  |   | X2090215            | SELECT GRANULAR BACKFILL, SPECIAL                           | CU YD           | 4,109            |
| *  | Δ | X5090850            | ORNAMENTAL RAILING  | FOOT            | 149              |
| *  |   | X6011705            | PIPE DRAINS 6" (SPECIAL)                                    | FOOT            | 13               |
| *  |   | X6020074            | INLETS, TYPE A, TYPE 3V FRAME AND GRATE                     | EACH            | 2                |
| *  |   | X6020075            | INLETS, TYPE B, TYPE 3V FRAME AND GRATE                     | EACH            | 15               |
| *  |   | X6020076            | INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE               | EACH            | 9                |
| *  |   | X6022230            | MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE | EACH            | 2                |
| *  |   | X6023508            | INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE                | EACH            | 5                |
| *  |   | X6024090            | MANHOLES, TYPE A, 6'-DIAMETER, WITH SPECIAL FRAME AND GRATE | EACH            | 1                |
| *  |   | X6024240            | INLETS, SPECIAL   | EACH            | 6                |
| *  |   | X6024242            | INLETS, SPECIAL, NO. 1                                      | EACH            | 2                |
| *  |   | X6024502            | INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE                | EACH            | 2                |
| *  |   | X6024504            | INLETS, TYPE B, WITH FRAME AND GRATE, SPECIAL               | EACH            | 4                |
| *  |   | X6026050            | SANITARY MANHOLES TO BE ADJUSTED                            | EACH            | 2                |
| *  |   | X6026624            | VALVE BOXES TO BE ADJUSTED (SPECIAL)                        | EACH            | 2                |
| *  |   | X6060097            | CLASS SI CONCRETE (OUTLET), SPECIAL                         | CU YD           | 16.1             |
| *  |   | X7010216            | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)                   | L SUM           | 1                |
| *  |   | X7030005            | TEMPORARY PAVEMENT MARKING REMOVAL                          | SQ FT           | 3,076            |
| *  |   | X7240207            | REMOVE EXISTING SIGN COMPLETE                               | EACH            | 1                |
| *  |   | X7240600            | REMOVE AND RE-ERECT EXISTING SIGN                           | EACH            | 11               |
| *  |   | Z0033700            | LONGITUDINAL JOINT SEALANT                                  | FOOT            | 4,210            |
| *  |   | Z0056616            | STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH               | FOOT            | 116              |
| *  |   | Z0073400            | TEMPORARY SUPPORT SYSTEM                                    | EACH            | 5                |
| #  | * | <del>Z0076000</del> | <del>TRAINEES</del>   | <del>HOAR</del> | <del>1,500</del> |
| *  |   | XX004467            | PRECAST CONCRETE BOX CULVERTS, 9' X 5', TWO SECTION ELBOW   | EACH            | 5                |
| #  | * | <del>Z0076604</del> | <del>TRAINEES TRAINING PROGRAM GRADUATE</del>               | <del>HOAR</del> | <del>1,500</del> |
| *  |   | XX004468            | PRECAST WALL IN END OF PRECAST CONCRETE BOX CULVERT         | EACH            | 3                |

Δ SPECIALTY ITEMS

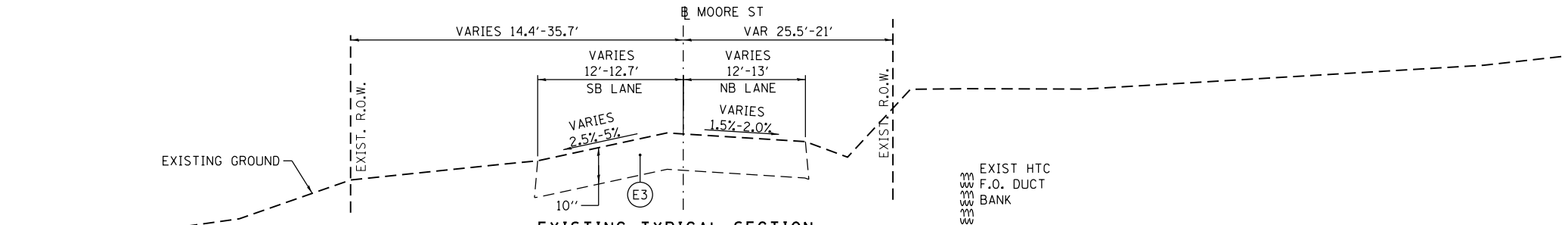
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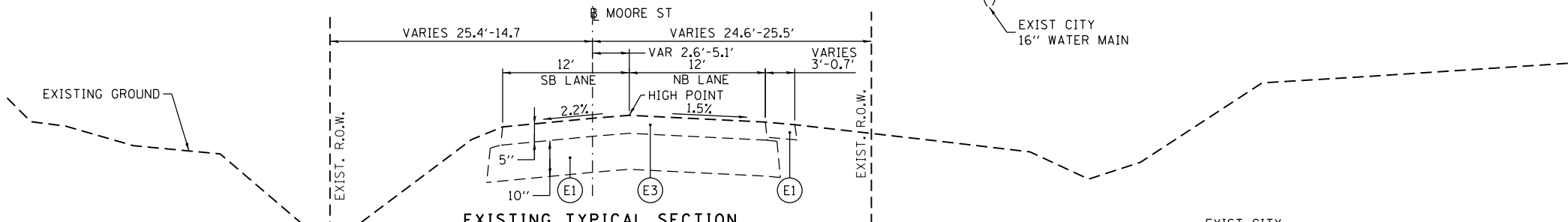
**EXISTING TYPICAL SECTION**  
COLUMBIA AVENUE  
STA. 1003+19.07 TO STA. 1004+50



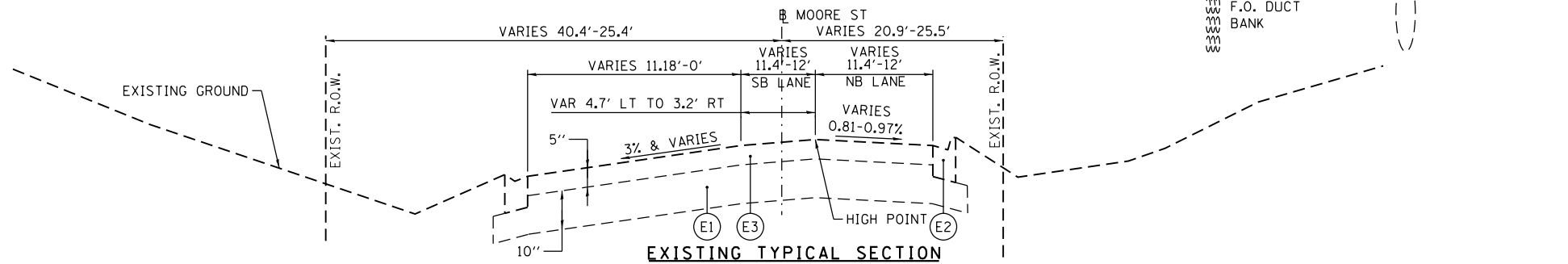
**EXISTING TYPICAL SECTION**  
COLUMBIA AVENUE  
STA. 999+80.22 TO STA. 1002+37.12



**EXISTING TYPICAL SECTION**  
FAU 9315 (MOORE STREET)  
STA. 106+50 TO STA. 106+70.81



**EXISTING TYPICAL SECTION**  
FAU 9315 (MOORE STREET)  
STA. 103+04.68 TO STA. 106+50



**EXISTING TYPICAL SECTION**  
FAU 9315 (MOORE STREET)  
STA. 100+56.70 TO STA. 103+04.68

| LEGEND |   |  |  |  |
|--------|---|--|--|--|
| (E1)   | EXISTING AGGREGATE                          |  |  |  |
| (E2)   | EXISTING COMBINATION CONCRETE CURB & GUTTER |  |  |  |
| (E3)   | EXISTING HOT-MIX ASPHALT                    |  |  |  |
| (E4)   | EXISTING P.C.C. PAVEMENT                    |  |  |  |
| (E5)   | EXISTING P.C.C. SIDEWALK 4"                 |  |  |  |

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = k_jones         | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU-Phase-V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_07-Exp\DRAWN.tldgn |                             | REVISOR -  | REVISED - |
| Default  | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

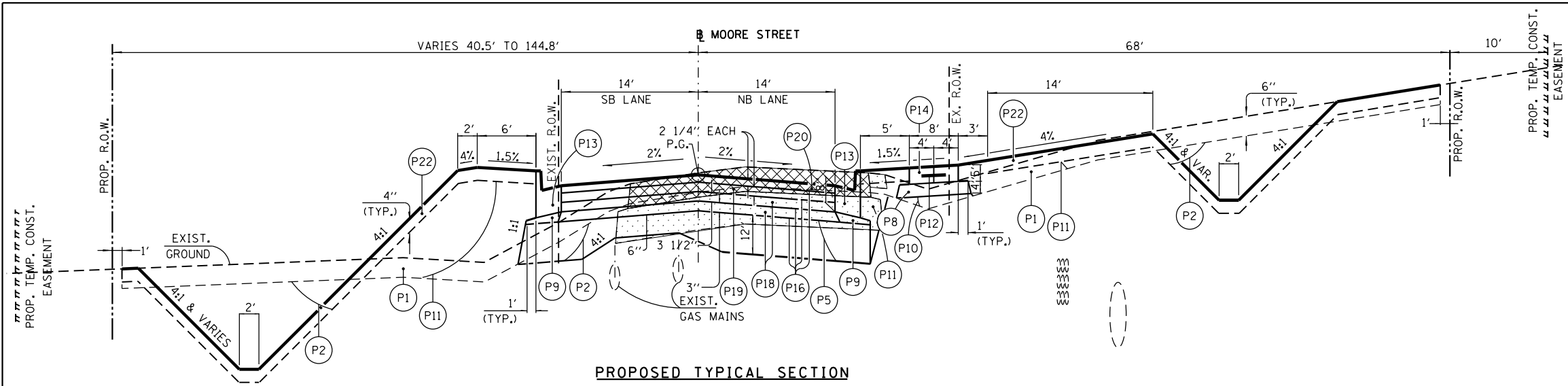
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

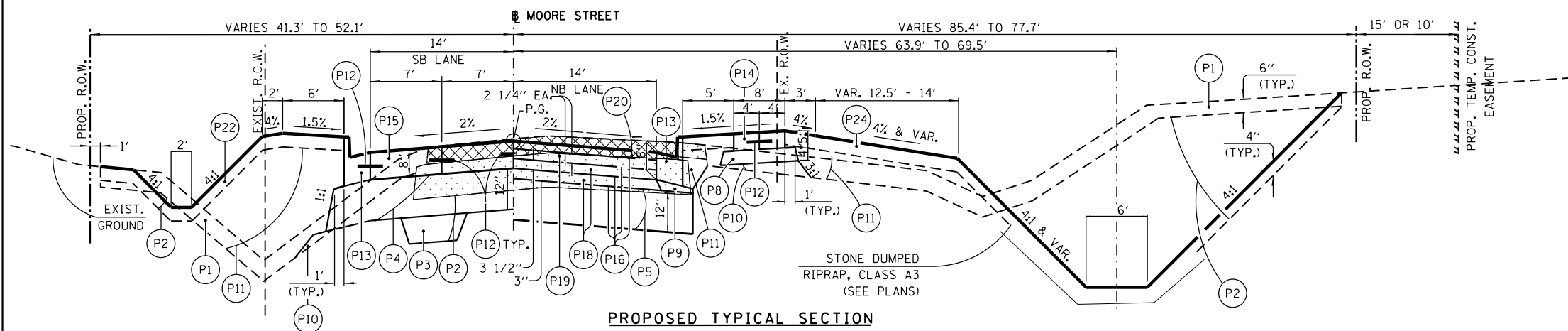
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 9315                      | 15-00032-04-PV | MONROE | 132                | 7         |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |





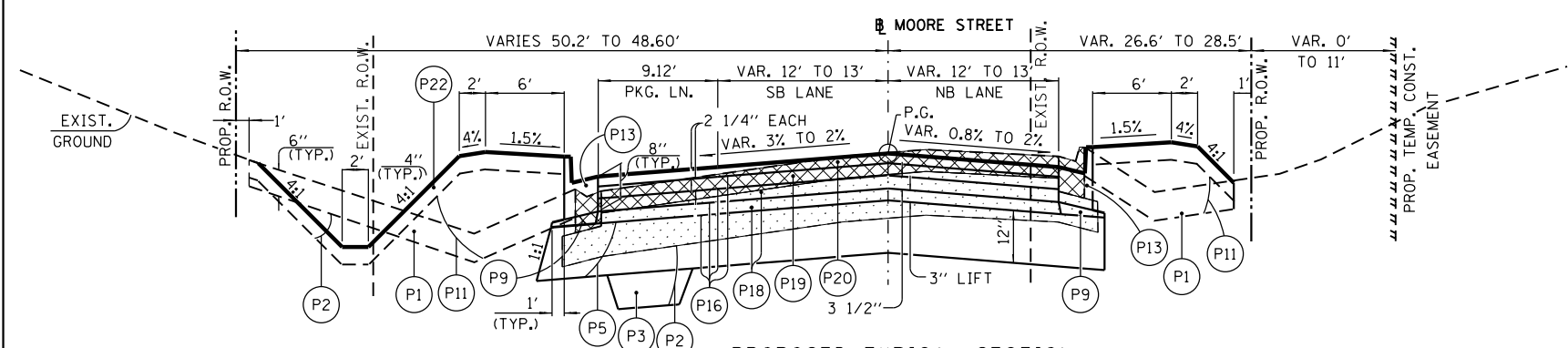
**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
STA. 104+39 TO STA. 105+62.50



**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
PCC PAVT. IS 28' WIDE: STA. 101+00 TO STA. 103+35.59 (DEPICTED LEFT SIDE ABOVE)  
HMA PAVT. IS 28' WIDE: STA. 103+35.59 TO STA. 104+39 (DEPICTED RIGHT SIDE ABOVE)



**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
STA. 100+56.70 TO STA. 101+00

**LEGEND**

- CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- P1 TOPSOIL EXCAVATION 6" (NOT A PAY ITEM)
- P2 EARTH EXCAVATION
- P3 AGGREGATE SUBGRADE IMPROVEMENT
- P4 SUBBASE GRANULAR MATL., TYPE A (UNDER PCC) 12"
- P5 AGGREGATE BASE COURSE, TYPE A (UNDER HMA) 12"
- P6 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
- P7 AGGREGATE BASE COURSE, TYPE A (TEMP. PVT.) 4 1/2"
- P8 AGGREGATE BASE COURSE, TYPE A (UNDER S. WALK) 4"
- P9 AGGREGATE BASE COURSE, TYPE A (TON)
- P10 EMBANKMENT (STRUCTURAL; NOT A PAY ITEM)
- P11 EMBANKMENT (NON-STRUCTURAL; NOT A PAY ITEM)
- P12 NO. 6 EPOXY-CTD., REINF. BAR, 30", @36" CTS. (8" MIN. EMBEDMENT W/CHEM. ADHESIVE)
- P13 COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- P14 P.C.C. SIDEWALK 5 INCH
- P15 P.C.C. PAVEMENT (JOINTED) 8"
- P16 BITUMINOUS MATERIALS (PRIME COAT)
- P17 LONGITUDINAL JOINT SEALANT
- P18 HOT-MIX ASPHALT BASE COURSE 6 1/2"
- P19 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- P20 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- P21 AGGREGATE SHOULDERS, TYPE B (TON)
- P22 TOPSOIL PLACEMENT (TOPSOIL EXCAV. & PLACEMENT)

























\* ARTICLE 355.05'S REQUIREMENT THAT THE TOP LIFT THICKNESS SHALL BE 2 1/4" FOR MIXTURE IL-19.0 SHALL BE REPLACED WITH THE TOP LIFT THICKNESS SHALL BE 3 1/2" TO FACILITATE CONSTANT CURB THICKNESS OF 8".

LONGITUDINAL JOINT SEALANT SHALL BE PLACED AT THE CENTERLINE OF THE 28 FT. WIDE PAVEMENT, AND AT MARKED LANE LINES FOR WIDER PAVEMENT, AT THE TOP OF HMA BASES, AND THE TOP OF HMA BINDER COURSES.

|   |                             |            |           |   |                                  |                |           |      |                           |         |        |              |           |
|---|-----------------------------|------------|-----------|---|----------------------------------|----------------|-----------|------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED TYPICAL SECTIONS</b> |                |           |      | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU-Phase-V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_08-Proposed.dgn |                             | DRAWN -    | REVISED - |   | 9315                             | 15-00032-04-PV | MONROE    | 132  | 8                         |         |        |              |           |
| Default   | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |   | CONTRACT NO. 97717               |                |           |      | ILLINOIS FED. AID PROJECT |         |        |              |           |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   | SCALE:                           | SHEET          | OF SHEETS | STA. | TO STA.                   |         |        |              |           |

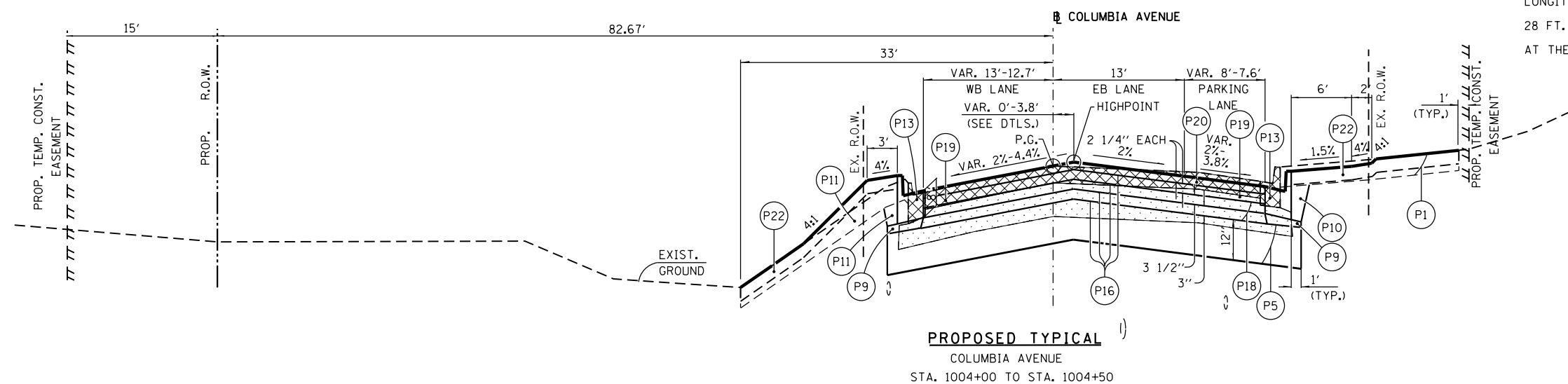


**LEGEND**

-  CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
-  REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- 
-  P1 TOPSOIL EXCAVATION 6" (NOT A PAY ITEM)
-  P2 EARTH EXCAVATION
-  P3 AGGREGATE SUBGRADE IMPROVEMENT
-  P4 SUBBASE GRANULAR MATL., TYPE A (UNDER PCC) 12"
-  P5 AGGREGATE BASE COURSE, TYPE A (UNDER HMA) 12"
-  P6 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
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-  P9 AGGREGATE BASE COURSE, TYPE A (TON)
-  P10 EMBANKMENT (STRUCTURAL; NOT A PAY ITEM)
-  P11 EMBANKMENT (NON-STRUCTURAL; NOT A PAY ITEM)
-  P12 NO. 6 EPOXY-CTD., REINF. BAR, 30", @36" CTS.  
(8" MIN. EMBEDMENT W/CHEM. ADHESIVE)
-  P13 COMB. CONC. CURB AND GUTTER, TYPE B-6.24
-  P14 P.C.C. SIDEWALK 5 INCH
-  P15 P.C.C. PAVEMENT (JOINTED) 8"
-  P16 BITUMINOUS MATERIALS (PRIME COAT)
-  P17 LONGITUDINAL JOINT SEALANT
-  P18 HOT-MIX ASPHALT BASE COURSE 6 1/2"\*
-  P19 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
-  P20 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
-  P21 AGGREGATE SHOULDERS, TYPE B (TON)
-  P22 TOPSOIL PLACEMENT (TOPSOIL EXCAV. & PLACEMENT)

\* ARTICLE 355.05'S REQUIREMENT THAT THE TOP LIFT THICKNESS SHALL BE 2 1/4" FOR MIXTURE IL-19.0 SHALL BE REPLACED WITH THE TOP LIFT THICKNESS SHALL BE 3 1/2" TO FACILITATE CONSTANT CURB THICKNESS OF 8".

LONGITUDINAL JOINT SEALANT SHALL BE PLACED AT THE CENTERLINE OF THE 28 FT. WIDE PAVEMENT, AND AT MARKED LANE LINES FOR WIDER PAVEMENT, AT THE TOP OF HMA BASES, AND THE TOP OF HMA BINDER COURSES.



|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = kjones          | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase.V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6.10-Proposed.dgn |                             | DESIGNED - | REVISED - |
| Default   | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                                  |       |           |              |
|----------------------------------|-------|-----------|--------------|
| <b>PROPOSED TYPICAL SECTIONS</b> |       |           |              |
| SCALE:                           | SHEET | OF SHEETS | STA. TO STA. |

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 10        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



**MIXTURE COMPOSITION TABLE**

|   |   |
|---|---|
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | SURFACE<br>HMA SURFACE COURSE, MIX "D", N70<br>PG 70-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-9.5<br>MIXTURE "D"<br>112 LBS./SQ. YD./IN. |
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | BINDER COURSE<br>BINDER COURSE, IL-19.0, N70<br>PG 64-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-19.0<br>-<br>112 LBS./SQ. YD./IN.         |
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | BASE COURSE<br>BASE COURSE, IL-19.0, N70<br>PG 64-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-19.0<br>-<br>112 LBS./SQ. YD./IN.             |

**PAVEMENT DESIGN INFORMATION**

|                                       |  |
|---------------------------------------|--|
| ROADWAY:                              | MOORE & COLUMBIA                         |
| FEATURE:                              | P.C.C. PAVT.                             |
| PROCEDURE:                            | NEW CONST.,<br>BLRM 44-2,<br>RIGID, 2018 |
| DESIGN LIFE (YRS):                    | 40                                       |
| MID. LIFE YR.:                        | 2040                                     |
| ADT, MID LIFE:                        | 3,841                                    |
| %PV IN DES. LN.:                      | 88%                                      |
| %SU IN DES. LN.:                      | 7%                                       |
| %MU IN DES. LN.:                      | 5%                                       |
| CLASS:                                | II                                       |
| TRAFFIC FACTOR:                       | 1.49                                     |
| SOIL CONDITION:                       |  |
| IBV (HOLCOMB, INC.):                  | BORING#1, 2.9-3.6                        |
| FIG. 44-6A & 44-7B:                   | POOR                                     |
| REQ. THICKNESS<br>ABOVE SUBGRADE:     | 12"                                      |
| ACTUAL CONDITION<br>OF CURB:          | TIED                                     |
| FIG. 44-2B                            |  |
| PRE-ADJ. THICK. (in):                 | 7.6"                                     |
| ADJ. FOR LARGE<br>JOINT SPACING (in): | +1.0"                                    |
| ADJ. GRAN. S.G. (in):                 | -0.50"                                   |
| ADJ. FOR LANE<br>WIDTH "WANDER" (in): | -0.25"                                   |
| ADJ. TOTAL (in):                      | 7.85"                                    |
| ROUNDED TOTAL (in):                   | 8"                                       |

|   |   |
|---|---|
| ROADWAY:  | MOORE & COLUMBIA                            |
| FEATURE:  | FULL DEPTH HMA                              |
| PROCEDURE:  | NEW CONST.,<br>BLRM 44-4,<br>FLEXIBLE, 2018 |
| DESIGN LIFE (YRS):  | 40  |
| MID. LIFE YR.:  | 2040  |
| ADT, MID LIFE:  | 3,841                                       |
| %PV IN DES. LN.:  | 88%   |
| %SU IN DES. LN.:  | 7%  |
| %MU IN DES. LN.:  | 5%  |
| CLASS:  | II  |
| TRAFFIC FACTOR:   | 1.046                                       |
| SOIL CONDITION:   |   |
| IBV (HOLCOMB, INC.):  | BORING#1, 2.9-3.6                           |
| SUBGRADE:   | POOR  |
| FIG. 44-4B:   | NEED 12" GRAN. MIN.                         |
| TRAFFIC SPEED:  | 30 MPH DESIGN                               |
| FIG. 44-4C:   | NEED PG 70-22                               |
| RELIABILITY   |   |
| FIG. 44-4.02 (g):   | 90%   |
| TEMP., FIG. 44-4E:  | 81 deg. F                                   |
| mSTRAIN, FIG. 44-4G:  | 115   |
| Eac, FIG. 44-4H:  | 525 ksi                                     |
| HMA THICK., FIG. 44-4I:                                     | 9.5"  |
| FINAL TOTAL HMA<br>THICKNESS DUE TO<br>CONST. REQUIREMENTS: | 11"   |

|                           |                               |
|---------------------------|-------------------------------|
| ROADWAY:                  | MOORE - TEMP. CONNECTOR       |
| FEATURE:                  | CONVENT. FLEX. PVT. DES. LPA  |
| PROCEDURE:                | NEW CONST., BLRM 44-3<br>2018 |
| DESIGN LIFE (YRS):        | 5                             |
| MID. LIFE YR.:            | 2022.5                        |
| ADT, MID LIFE:            | 2,716                         |
| %PV IN DES. LN.:          | 88%                           |
| %SU IN DES. LN.:          | 7%                            |
| %MU IN DES. LN.:          | 5%                            |
| CLASS:                    | II                            |
| TRAFFIC FACTOR:           | 0.185                         |
| SOIL CONDITION:           |                               |
| IBV (HOLCOMB, INC.):      | BORING#1, 2.9-3.6             |
| FIG. 44-6.1               |                               |
| Obu=4.5(IBV):             | 4.5(2.9)=13.05                |
| Erl=0.86+0.307(Obu):      | 0.86+0.307(13.05)=4.16        |
| BASE per FIG. 44-3.03(a): | 8" AGGREGATE O.K.             |
| TEMP., FIG. 44-3D:        | 76 deg. F                     |
| Eac, FIG. 44-3E:          | 662.50                        |
| mSTRAIN, FIG. 44-3F:      | 245                           |
| HMA THICK., FIG. 44-3G:   | 4.5"                          |



**STORM SEWER SCHEDULE**

| LOCATION  | I.D.       | STORM SEWERS |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            | REINFORCED CONCRETE PIPE TEE |                       |                              | PIPE ELBOW 24" |                              |      |      |      |      |
|---|------------|--------------|------------|------|--------------------|--------|------|------|------|----------------------|------------|------------|--------------------|-----------------------|------------|------------------------------|-----------------------|------------------------------|----------------|------------------------------|------|------|------|------|
|   |            | CLASS A      |            |      |                    |        |      |      |      |                      |            |            | CLASS B TYPE 1 24" | RUBBER GASKET CLASS A |            |                              | (WATER MAIN REQ.) 24" |                              |                |                              |      |      |      |      |
|   |            | TYPE 1       |            |      |                    | TYPE 2 |      |      |      | EQUIV. RND.-SIZE 36" | TYPE 3 18" | TYPE 1 18" |                    | TYPE 2 24"            | TYPE 2 18" | 18" PIPE WITH 12" RISER EACH |                       | 15" PIPE WITH 12" RISER EACH |                | 36" PIPE WITH 12" RISER EACH |      |      |      |      |
|   |            | 12"          | 15"        | 18"  | 24"                | 12"    | 15"  | 18"  | 36"  |                      |            |            |                    |                       |            |                              |                       |                              |                |                              | FOOT | FOOT | FOOT | FOOT |
| MOORE STREET (DOWNSTREAM TO UPSTREAM)                       |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| MAIN BOX CULVERT  |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 1   | 104+85.23  |              | A.R.       | -    | -                  | -      | -    | -    | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 2   | 104+85.23  | TO           | 103+00.    | RT.  | -                  | -      | -    | -    | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| SOUTH OF MAIN BOX CULVERT, LEFT                             |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 3   | 104+85.23  | TO           | 104+65.06  | LT.  | BOX-E1 to LMH4-1   | -      | -    | -    | -    | 14.4                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 4   | 104+65.06  | TO           | 104+25.04  | LT.  | LMH4-1 to LIB-4    | -      | -    | -    | 1    | 35.5                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | 1              | -                            | -    |      |      |      |
| 5   | 104+25.04  | TO           | 103+91.99  | LT.  | LT-1 to LIB-5      | -      | -    | -    | 1.4  | 27.0                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | 1              | -                            | -    |      |      |      |
| 6   | 103+91.99  | TO           | 103+00.    | LT.  | LT-2 to LIA-2      | -      | -    | -    | 13.0 | 88.2                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 7   | 103+00.    | TO           | 101+85.7   | LT.  | LMH6-1 to LMH4-2   | -      | -    | -    | -    | 109.3                | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 8   | 101+85.7   | TO           | 101+53.36  | LT.  | LMH4-2 to LMH6-2   | -      | -    | 26.5 | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 9   | 101+53.36  | TO           | 101+43.37  | LT.  | LMH6-2 to LMH6-3   | -      | -    | 12.7 | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 10  | 101+43.37  | TO           | 101+32.    | LT.  | LMH6-3 to LSP-1    | -      | -    | -    | -    | 8.0                  | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 11  | 101+32.    | TO           | 101+02.    | LT.  | LSP-1 to LSP-2     | -      | -    | -    | -    | 8.0                  | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| SOUTH OF MAIN BOX CULVERT, RIGHT                            |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 12  | 104+75.14  | TO           | 104+75.14  | RT.  | BOX-E4 to RIB-1    | -      | -    | -    | -    | -                    | -          | -          | -                  | -                     | 37.0       | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 13  | 104+75.14  | TO           | 104+83.75  | RT.  | RIB-1 to RMH4-1    | -      | -    | 8.0  | -    | 13.9                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 14  | 104+40.    | TO           | 104+25.41  | RT.  | BOX-E5 to RIA-3    | 8.7    | -    | -    | -    | 19.0                 | -          | -          | -                  | 18.1                  | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 15  | 104+00.    | TO           | 104+03.48  | RT.  | BOX-E6 to RIA-5    | -      | -    | -    | -    | 20.4                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 16  | 103+62.47  | TO           | 103+95.62  | RT.  | RMH4-3 to RIA-6    | 41.3   | -    | -    | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 17  | 103+46.48  | TO           | 102+94.27  | RT.  | BOX-E7 to BOX-E12  | -      | -    | -    | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 18  | 102+99.67  | TO           | 102+87.26  | RT.  | BOX-E13 to RMH9-1  | -      | -    | -    | -    | 8.0                  | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 19  | 102+87.26  | TO           | 102+47.08  | RT.  | RMH9-1 to RIB-4    | -      | -    | -    | 33.3 | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| NORTH OF MAIN BOX CULVERT, LEFT                             |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 20  | 104+85.23  | TO           | 105+05.2   | LT.  | BOX-E2 to LMH4-3   | -      | -    | -    | -    | 14.3                 | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 21  | 105+05.2   | TO           | 106+68.66  | LT.  | LMH4-3 to LMH4-4   | -      | -    | -    | 4.5  | 148.7                | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | 2                            | -    |      |      |      |
| NORTH OF MAIN BOX CULVERT, RIGHT                            |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 22  | 104+75.    | TO           | 104+91.2   | RT.  | RIA-7 to RMH6-1    | -      | -    | -    | 15.9 | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 23  | 104+85.    | TO           | 104+91.2   | RT.  | BOX-E3 to RMH6-1   | -      | -    | -    | -    | 6.5                  | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 24  | 104+91.2   | TO           | 105+74.68  | RT.  | RMH6-1 to RT-3     | -      | -    | -    | 10.9 | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | 3    |      |      |      |
| COLUMBIA AVENUE (DOWNSTREAM TO UPSTREAM)                    |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| LEFT OF, AND ACROSS, COLUMBIA AVENUE TO MOORE STREET, RIGHT |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 25  | 1003+31.86 | A.R./TO      | 102+82.16  |      | RFES24-1 to RSP-14 | -      | -    | -    | -    | -                    | -          | -          | -                  | 75.4                  | -          | 58.6                         | -                     | -                            | -              | -                            | 1    |      |      |      |
| 26  | 1003+37.89 |              |            | A.R. | RFES24-2 to RSP-7  | -      | -    | -    | -    | -                    | -          | -          | -                  | 59.3                  | -          | -                            | -                     | -                            | -              | -                            | 2    |      |      |      |
| 27  | 1003+47.49 |              |            | LT.  | RFES18-1 to LMH4-1 | -      | -    | 28.9 | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 28  | 1003+47.49 | TO           | 1003+87.51 | LT.  | LMH4-1 to LIA-1    | 8.0    | 24.1 | -    | -    | -                    | -          | -          | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| COLUMBIA AVENUE TO MOORE STREET, RIGHT                      |            |              |            |      |                    |        |      |      |      |                      |            |            |                    |                       |            |                              |                       |                              |                |                              |      |      |      |      |
| 29  | 1003+39.89 | TO           | 1003+51.36 | RT.  | RSP-7 to RSP-8     | -      | -    | -    | -    | -                    | -          | 3.8        | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| 30  | 1003+51.36 | TO           | 1004+39.88 | RT.  | RSP-8 to RSP-10    | -      | -    | 77.5 | -    | -                    | -          | 3.9        | -                  | -                     | -          | -                            | -                     | -                            | -              | -                            | -    |      |      |      |
| TOTALS:   |            |              |            |      |                    | 58.0   | 24.1 | 76.1 | 77.5 | 100.4                | 167.7      | 318.6      | 80.9               | 272.4                 | 20.0       | 7.7                          | 18.1                  | 134.7                        | 37.0           | 58.6                         | 2    | 2    | 3    | 3    |
|   |            |              |            |      |                    | 58     | 25   | 77   | 78   | 101                  | 168        | 319        | 81                 | 273                   | 20         | 8                            | 19                    | 135                          | 37             | 59                           | 2    | 2    | 3    | 3    |

CONTINUED NEXT SHEET



**STORM SEWER SCHEDULE**

| LOCATION  | I.D.       | INLETS       |                   |                            |                         |                        |                         |              |                            |                             |                                     |         | MANHOLES      |                      |                        |                          |                      | PRECAST REINFORCED CONCRETE FLARED END SECTIONS |          |                              |             |   |   |   |   |
|---|------------|--------------|-------------------|----------------------------|-------------------------|------------------------|-------------------------|--------------|----------------------------|-----------------------------|-------------------------------------|---------|---------------|----------------------|------------------------|--------------------------|----------------------|---|----------|------------------------------|-------------|---|---|---|---|
|   |            | TYPE A       |                   |                            | TYPE B                  |                        |                         |              |                            |                             |                                     |         | TYPE A        |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
|   |            | TYPE 8 GRATE | TYPE 3V FR. & GT. | WITH SPECIAL FRAME & GRATE | TYPE 1 FRAME CLOSED LID | TYPE 3 FRAME AND GRATE | TYPE 3V FRAME AND GRATE | TYPE 8 GRATE | WITH SPECIAL FRAME & GRATE | WITH FRAME & GRATE, SPECIAL | SPECIAL, WITH SPECIAL FRAME & GRATE | SPECIAL | SPECIAL NO. 1 | 4'-DIAM.             |                        | 6'-DIAM.                 |                      |   |          | 9'-DIAM. TY. 1 FRAME CL. LID |             |   |   |   |   |
|   |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               | TY. 1 FRAME, CL. LID | TY. 3V FRAME AND GRATE | WITH SPECIAL FRAME & GT. | TY. 1 FRAME, CL. LID |   |          |                              | TY. 8 GRATE |   |   |   |   |
| EACH  | EACH       | EACH         | EACH              | EACH                       | EACH                    | EACH                   | EACH                    | EACH         | EACH                       | EACH                        | EACH                                | EACH    | EACH          | EACH                 | EACH                   | EACH                     | EACH                 | 24" EACH  | 18" EACH |                              |             |   |   |   |   |
| MOORE STREET (DOWNSTREAM TO UPSTREAM)                       |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| MAIN BOX CULVERT  |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 1   | 104+85.23  |              |                   | A.R.                       | -                       | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 2   | 104+85.23  | TO           | 103+00.           | RT.                        | -                       | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| SOUTH OF MAIN BOX CULVERT, LEFT                             |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 3   | 104+85.23  | TO           | 104+65.06         | LT.                        | BOX-E1 to LMH4-1        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | 1                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 4   | 104+65.06  | TO           | 104+25.04         | LT.                        | LMH4-1 to LIB-4         | -                      | -                       | -            | -                          | 1                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 5   | 104+25.04  | TO           | 103+91.99         | LT.                        | LT-1 to LIB-5           | -                      | -                       | 1            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 6   | 103+91.99  | TO           | 103+00.           | LT.                        | LT-2 to LIA-2           | 1                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | 1                    | -   | -        | -                            |             |   |   |   |   |
| 7   | 103+00.    | TO           | 101+85.7          | LT.                        | LMH6-1 to LMH4-2        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | 1                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 8   | 101+85.7   | TO           | 101+53.36         | LT.                        | LMH4-2 to LMH6-2        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | 1   | -        | -                            |             |   |   |   |   |
| 9   | 101+53.36  | TO           | 101+43.37         | LT.                        | LMH6-2 to LMH6-3        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | 1                    | -   | -        | -                            |             |   |   |   |   |
| 10  | 101+43.37  | TO           | 101+32.           | LT.                        | LMH6-3 to LSP-1         | -                      | -                       | -            | -                          | -                           | -                                   | -       | 1             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 11  | 101+32.    | TO           | 101+02.           | LT.                        | LSP-1 to LSP-2          | -                      | -                       | -            | -                          | -                           | -                                   | -       | 1             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| SOUTH OF MAIN BOX CULVERT, RIGHT                            |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 12  | 104+75.14  | TO           | 104+75.14         | RT.                        | BOX-E4 to RIB-1         | -                      | -                       | -            | -                          | -                           | -                                   | 1       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 13  | 104+75.14  | TO           | 104+83.75         | RT.                        | RIB-1 to RMH4-1         | -                      | -                       | -            | -                          | -                           | -                                   | -       | 1             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 14  | 104+40.    | TO           | 104+25.41         | RT.                        | BOX-E5 to RIA-3         | -                      | -                       | 3            | -                          | -                           | -                                   | -       | -             | -                    | -                      | 1                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 15  | 104+00.    | TO           | 104+03.48         | RT.                        | BOX-E6 to RIA-5         | -                      | -                       | 2            | -                          | -                           | -                                   | -       | -             | -                    | -                      | 1                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 16  | 103+62.47  | TO           | 103+95.62         | RT.                        | RMH4-3 to RIA-6         | -                      | 1                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 17  | 103+46.48  | TO           | 102+94.27         | RT.                        | BOX-E7 to BOX-E12       | -                      | -                       | -            | -                          | -                           | -                                   | -       | 6             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 18  | 102+99.67  | TO           | 102+87.26         | RT.                        | BOX-E13 to RMH9-1       | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | 1        | -                            |             |   |   |   |   |
| 19  | 102+87.26  | TO           | 102+47.08         | RT.                        | RMH9-1 to RIB-4         | -                      | -                       | -            | -                          | 2                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| NORTH OF MAIN BOX CULVERT, LEFT                             |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 20  | 104+85.23  | TO           | 105+05.2          | LT.                        | BOX-E2 to LMH4-3        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | 1                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 21  | 105+05.2   | TO           | 106+68.66         | LT.                        | LMH4-3 to LMH4-4        | -                      | -                       | -            | 2                          | 1                           | -                                   | -       | -             | 1                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| NORTH OF MAIN BOX CULVERT, RIGHT                            |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 22  | 104+75.    | TO           | 104+91.2          | RT.                        | RIA-7 to RMH6-1         | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | 1                    | -   | -        | -                            |             |   |   |   |   |
| 23  | 104+85.    | TO           | 104+91.2          | RT.                        | BOX-E3 to RMH6-1        | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | -                    | -                      | -                        | 1                    | -   | -        | -                            |             |   |   |   |   |
| 24  | 104+91.2   | TO           | 105+74.68         | RT.                        | RMH6-1 to RT-3          | -                      | -                       | -            | 1                          | 1                           | -                                   | -       | 1             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| COLUMBIA AVENUE (DOWNSTREAM TO UPSTREAM)                    |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| LEFT OF, AND ACROSS, COLUMBIA AVENUE TO MOORE STREET, RIGHT |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 25  | 1003+31.86 | A.R./TO      | 102+82.16         |                            | RFES24-1 to RSP-14      | -                      | -                       | -            | -                          | -                           | -                                   | 4       | -             | -                    | -                      | -                        | -                    | -   | -        | 1                            |             |   |   |   |   |
| 26  | 1003+37.89 |              |                   | A.R.                       | RFES24-2 to RSP-7       | -                      | -                       | -            | -                          | -                           | -                                   | 1       | -             | -                    | -                      | -                        | -                    | -   | -        | 1                            |             |   |   |   |   |
| 27  | 1003+47.49 |              |                   | LT.                        | RFES18-1 to LMH4-1      | -                      | -                       | -            | -                          | -                           | -                                   | -       | -             | 1                    | -                      | -                        | -                    | -   | -        | 1                            |             |   |   |   |   |
| 28  | 1003+47.49 | TO           | 1003+87.51        | LT.                        | LMH4-1 to LIA-1         | -                      | 1                       | -            | -                          | 3                           | -                                   | -       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| COLUMBIA AVENUE TO MOORE STREET, RIGHT                      |            |              |                   |                            |                         |                        |                         |              |                            |                             |                                     |         |               |                      |                        |                          |                      |   |          |                              |             |   |   |   |   |
| 29  | 1003+39.89 | TO           | 1003+51.36        | RT.                        | RSP-7 to RSP-8          | -                      | -                       | -            | -                          | -                           | -                                   | 1       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| 30  | 1003+51.36 | TO           | 1004+39.88        | RT.                        | RSP-8 to RSP-10         | -                      | -                       | -            | -                          | -                           | -                                   | 2       | -             | -                    | -                      | -                        | -                    | -   | -        | -                            |             |   |   |   |   |
| TOTALS:   |            |              |                   |                            |                         | 1                      | 2                       | 5            | 1                          | 1                           | 9                                   | 1       | 1             | 2                    | 8                      | 6                        | 2                    | 4   | 2        | 2                            | 4           | 1 | 1 | 2 | 1 |
|   |            |              |                   |                            |                         | 1                      | 2                       | 5            | 1                          | 1                           | 9                                   | 1       | 1             | 2                    | 8                      | 6                        | 2                    | 4   | 2        | 2                            | 4           | 1 | 1 | 2 | 1 |

**STORM SEWER, TREE, AND RIPRAP REMOVAL**

| LOCATION  | SELECT GRANULAR BACKFILL, SPECIAL | REMOVE EXISTING RIPRAP | REMOVING INLETS | STORM SEWER REMOVAL |      |      |       | TREE REMOVAL (6 TO 15 UNITS DIAM.) | TREE REMOVAL, ACRES |
|---|-----------------------------------|------------------------|-----------------|---------------------|------|------|-------|------------------------------------|---------------------|
|   |                                   |                        |                 | 12"                 | 18"  | 30"  | 48"   |                                    |                     |
|   | CU YD                             | SQ YD                  | EACH            | FOOT                | FOOT | FOOT | FOOT  | UNITS                              | ACRE                |
| MOORE STREET (DOWNSTREAM TO UPSTREAM)   |                                   |                        |                 |                     |      |      |       |                                    |                     |
| 1   | 105+23.89 TO 104+57. LT.          | -                      | -               | -                   | -    | -    | -     | -                                  | 0.11                |
| 2   | 104+90. TO 104+30. LT.            | -                      | 106.0           | -                   | -    | -    | -     | -                                  | -                   |
| 3   | 104+85.23 TO 104+85.23 A.R.       | 8.0                    | -               | -                   | -    | -    | 51.0  | -                                  | -                   |
| 4   | 105+10. TO 104+55. RT.            | -                      | 70.0            | -                   | -    | -    | -     | -                                  | -                   |
| 5   | 104+80. TO 103+60. RT.            | 25.8                   | 51.0            | 2                   | -    | -    | 107.0 | -                                  | -                   |
| 6   | 104+80. TO 104+83.75 RT.          | -                      | -               | -                   | -    | 56.0 | -     | -                                  | -                   |
| 7   | 104+30. TO 103+70. LT.            | -                      | -               | -                   | -    | -    | -     | 114                                | -                   |
| 8   | 102+85. TO 102+00. LT.            | 29.6                   | -               | 1                   | 81.5 | -    | -     | -                                  | -                   |
| 9   | 102+00. TO 101+43. LT.            | -                      | -               | 1                   | 41.8 | -    | -     | -                                  | -                   |
| 10  | 101+38. TO 101+43. A.R.           | 20.0                   | -               | 2                   | 59.0 | -    | -     | -                                  | -                   |
| COLUMBIA AVENUE (DOWNSTREAM TO UPSTREAM)<br>LEFT OF, AND ACROSS, COLUMBIA AVENUE TO MOORE STREET, RIGHT |                                   |                        |                 |                     |      |      |       |                                    |                     |
| 11  | 1003+10. A.R./TO 101+55.          | 20.0                   | -               | 2                   | -    | 54.0 | -     | -                                  | -                   |
| <b>TOTALS:</b>  |                                   |                        |                 |                     |      |      |       |                                    |                     |
| <b>USE:</b>   |                                   |                        |                 |                     |      |      |       |                                    |                     |

**PAVEMENT REMOVALS**

| LOCATION        | PAVEMENT REMOVAL                                   | DRIVEWAY PAVEMENT REMOVAL | SIDEWALK REMOVAL | COMINATION CURB AND GUTTER REMOVAL | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL* |
|-----------------|--|---------------------------|------------------|------------------------------------|--|
|                 |  |                           |                  |                                    |  |
| MOORE STREET    |  |                           |                  |                                    |  |
| 1               | 100+56.7 TO 101+53. A.R.                           | 380.96                    | -                | -                                  | 127.1  |
| 2               | 100+56.7 TO 101+53. LT.                            | -                         | -                | 96.3                               | -  |
| 3               | 100+56.7 TO 101+53. RT.                            | -                         | -                | 98.6                               | -  |
| 4               | 101+53. TO 101+91.55 LT.                           | -                         | -                | 38.6                               | -  |
| 5               | 101+53. TO 101+57.77 RT.                           | -                         | -                | 12.3                               | -  |
| 6               | 101+53. TO 103+05.27 A.R. (TO GRADING MATCHLINES)  | 888.4                     | -                | -                                  | 280.9  |
| 7               | 101+88.43 TO 103+04.65 RT.                         | -                         | -                | 130.1                              | -  |
| 8               | 103+05.27 TO 106+50. A.R.                          | 934.1                     | -                | -                                  | 308.4  |
| 9               | 106+50. TO 106+70.81 A.R.                          | 56.8                      | -                | -                                  | 7.1  |
| 10              | 104+14.62 TO 106+70.81 RT., COMMERCIAL ENTRANCE    | -                         | 207.9            | -                                  | 22.9   |
| 11              | 106+50. TO 106+70.81 LT., COMMERCIAL ENTRANCE      | -                         | 6.2              | -                                  | 0.7  |
| COLUMBIA AVENUE |  |                           |                  |                                    |  |
| 12              | 1001+05.71 TO 1001+15.64 LT.                       | -                         | -                | 38.8                               | -  |
| 13              | 1001+12.5 TO 1002+25. A.R. (TO GRADING MATCHLINES) | 549.5                     | -                | -                                  | 65.6   |
| 14              | 1001+13.42 TO 1001+78.53 RT.                       | -                         | -                | 259.4                              | -  |
| 15              | 1001+30.95 TO 1001+78.53 LT., PRIVATE ENTRANCE     | -                         | 64.0             | -                                  | -  |
| 16              | 1001+46.36 TO 1001+50.34 LT.                       | -                         | -                | 74.1                               | -  |
| 17              | 1001+50.34 TO 1002+08.21 LT.                       | -                         | -                | 257.8                              | -  |
| 18              | 1001+97.39 TO 1002+08.21 RT., PRIVATE ENTRANCE     | -                         | 73.9             | -                                  | -  |
| 19              | 1002+11.25 TO 102+30.56 RT.                        | -                         | -                | 82.3                               | -  |
| 20              | 1003+25.22 TO 1004+50. LT.                         | -                         | -                | 125.4                              | -  |
| 21              | 1003+25. TO 1004+50. A.R. (TO GRADING MATCHLINES)  | 459.9                     | -                | -                                  | 154.3  |
| 22              | 103+25.32 TO 1004+50. RT.                          | -                         | -                | 124.3                              | -  |
| 23              | 1004+13.4 TO 1004+50. RT., PRIVATE ENTRANCE        | -                         | 7.9              | -                                  | 2.5  |
| <b>TOTALS:</b>  |  |                           |                  |                                    |  |
| <b>USE:</b>     |  |                           |                  |                                    |  |

\*THIS QUANTITY IS ALSO LISTED ON THE EARTHWORK SCHEDULE.

**VALVE BOXES & SANITARY MANHOLES TO BE ADJUSTED,  
OTHER VALVE ADJUSTMENTS BY CITY**

| LOCATION        | VALVE BOXES TO BE ADJUSTED (SPECIAL) | SANITARY MANHOLES TO BE ADJUSTED | (NOT A PAY ITEM)                  |
|-----------------|--------------------------------------|----------------------------------|-----------------------------------|
|                 |                                      |                                  | GAS VALVE TO BE LOWERED (BY CITY) |
|                 | EACH                                 | EACH                             | EACH                              |
| MOORE STREET    |                                      |                                  |                                   |
| 1               | 101+40.93 LT.                        | 1                                | -                                 |
| 2               | 101+62.72 LT.                        | -                                | -                                 |
| 3               | 101+84.84 LT.                        | -                                | 1                                 |
| 4               | 101+92.87 LT.                        | -                                | 1                                 |
| 5               | 104+96.24 LT.                        | -                                | 1                                 |
| COLUMBIA AVENUE |                                      |                                  |                                   |
| 6               | 1003+41.29 RT.                       | -                                | -                                 |
| 7               | 1004+02.91 RT.                       | 1                                | -                                 |
| <b>TOTALS:</b>  |                                      |                                  |                                   |

**FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS**

| LOCATION                                  | FURNISH AND ERECTING ROW MARKERS |                 |
|---|----------------------------------|-----------------|
|   |                                  | EACH            |
| MOORE STREET (RIGHT)                      |                                  |                 |
| 1   | 100+16.11 24.59 RT.              | 1               |
| 2   | 100+99.08 28.48 RT.              | 1               |
| 3   | 101+40.49 35.18 RT.              | 1               |
| 4   | 102+41.83 85.39 RT.              | 1               |
| 5   | 103+72.92 74.04                  | 1               |
| 6   | 103+72.92 93.04                  | 1               |
| 7   | 104+40. 68.0                     | 1               |
| 8   | 104+40. 74.04                    | 1               |
| 9   | 107+34.38 56.8                   | NONE THIS PHASE |
| 10  | 107+34.38 68.0                   | NONE THIS PHASE |
| MOORE STREET (LEFT)                       |                                  |                 |
| 11  | 100+62.48 50.21 LT.              | 1               |
| 12  | 101+34.75 46.81 LT.              | 1               |
| 13  | 101+70.76 47.93 LT.              | 1               |
| 14  | 101+85.29 55.12 LT.              | 1               |
| 15  | 101+94.68 49.7 LT.               | 1               |
| 16  | 102+92.56 43.28 LT.              | 1               |
| 17  | 104+23.08 41.28 LT.              | 1               |
| 18  | 104+57.88 62.59 LT.              | 1               |
| 19  | 104+65.33 144.28 LT.             | 1               |
| 20  | 105+34.63 93.76 LT.              | 1               |
| 21  | 105+39.62 144.28 LT.             | 1               |
| 22  | 106+72.33 52.18 LT.              | NONE THIS PHASE |
| COLUMBIA AVENUE (REFERENCED TO MOORE ST.) |                                  |                 |
| 23  | 101+31.71 75.12 RT.              | 1               |
| 24  | 100+98.09 144.98 RT.             | 1               |
| 25  | 101+34.77 185.65 RT.             | 1               |
| 26  | 101+71.64 214.47 RT.             | 1               |
| <b>TOTALS:</b>                            |                                  | 23              |

**TEMPORARY AND PERMANENT EROSION CONTROLS**

| LOCATION                           | INLET AND PIPE PROTECTION    | TEMPORARY DITCH CHECKS | PERIMETER EROSION BARRIER | STONE DUMPED RIPRAP, CLASS A3 | FILTER FABRIC | MULCH, METHOD 2 | HEAVY DUTY EROSION CONTROL BLANKET | SEEDING, CLASS 1A |
|------------------------------------|------------------------------|------------------------|---------------------------|-------------------------------|---------------|-----------------|------------------------------------|-------------------|
|                                    | EACH                         | FOOT                   | FOOT                      | SQ YD                         | SQ YD         | ACRE            | SQ YD                              | ACRE              |
| MOORE STREET                       |                              |                        |                           |                               |               |                 |                                    |                   |
| MAIN BOX CULVERT                   |                              |                        |                           |                               |               |                 |                                    |                   |
| 1                                  | 104+57.67 TO 105+39.62 LT.   | 1                      | 33.0                      | 65.0                          | 575.5         | 575.5           | -                                  | -                 |
| SOUTH OF MAIN BOX CULVERT, LEFT    |                              |                        |                           |                               |               |                 |                                    |                   |
| 2                                  | 104+85.23 TO 103+00.64 LT.   | 2                      | 24.0                      | -                             | 34.4          | 34.4            | 0.122                              | 983.0             |
| 3                                  | 103+00.64 TO 102+77.88 LT.   | 1                      | -                         | -                             | -             | -               | 0.011                              | 9.4               |
| SOUTH OF MAIN BOX CULVERT, RIGHT   |                              |                        |                           |                               |               |                 |                                    |                   |
| 4                                  | 104+75. TO 104+24.21 RT.     | 6                      | -                         | -                             | -             | -               | 0.057                              | 106.8             |
| 5                                  | 104+02.99 TO 101+91.49 RT.   | 9                      | 16.0                      | -                             | 193.1         | 193.1           | 0.247                              | 104.5             |
| SOUTH OF COLUMBIA AVE.             |                              |                        |                           |                               |               |                 |                                    |                   |
| 6                                  | 100+56.7 TO 102+05.6 LT.     | 8                      | 8.0                       | -                             | -             | -               | 0.065                              | 104.7             |
| 7                                  | 100+56.7 TO 101+45.76 RT.    | 4                      | 8.0                       | -                             | -             | -               | 0.033                              | 39.7              |
| NORTH OF MAIN BOX CULVERT, LEFT    |                              |                        |                           |                               |               |                 |                                    |                   |
| 8                                  | 104+85.23 TO 106+98.39 LT.   | 3                      | 32.0                      | 64.4                          | -             | -               | 0.252                              | 28.9              |
| NORTH OF MAIN BOX CULVERT, RIGHT   |                              |                        |                           |                               |               |                 |                                    |                   |
| 9                                  | 104+75. TO 107+12.41 RT.     | 3                      | 32.0                      | -                             | -             | -               | 0.328                              | 272.1             |
| COLUMBIA AVENUE, WEST OF MOORE ST. |                              |                        |                           |                               |               |                 |                                    |                   |
| 10                                 | 1001+02.56 TO 1001+15.64 LT. | -                      | -                         | -                             | -             | -               | 0.003                              | 13.1              |
| 11                                 | 1001+50.3 TO 1001+62.3 LT.   | -                      | -                         | 17.0                          | -             | -               | 0.017                              | 39.9              |
| 12                                 | 1001+12.5 TO 1001+84.24 RT.  | -                      | -                         | 65.1                          | -             | -               | 0.016                              | -                 |
| 13                                 | 1002+14.52 TO 1002+25.05 RT. | -                      | -                         | -                             | -             | -               | 0.003                              | -                 |
| COLUMBIA AVENUE, EAST OF MOORE ST. |                              |                        |                           |                               |               |                 |                                    |                   |
| 14                                 | 1003+24.75 TO 1003+24.75 LT. | 8                      | 8.0                       | -                             | 126.3         | 126.3           | 0.243                              | 62.6              |
| 15                                 | 1003+25.41 TO 1004+55.07 RT. | 4                      | -                         | -                             | -             | -               | 0.041                              | 78.2              |
| TOTALS:                            |                              | 49                     | 161.0                     | 211.5                         | 929.3         | 929.3           | 1.44                               | 1,842.9           |
| USE:                               |                              | 49                     | 161                       | 212                           | 929           | 929             | 1.50                               | 1,843             |

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase.V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6.12to19.DRAWN |                             | DESIGNED - | REVISED - |
| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 16        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



**PAVEMENT MARKINGS AND SIGNS**

| NO.   | LOCATION                    | LENGTH (FOOT) | PAVEMENT TYPE | OFFSET & TYPE              | COLOR  | MODIFIED URETHANE PAVEMENT MARKING |          |           |           |                      | REMOVE AND RE-ERECT EXISTING SIGN | REMOVE EXISTING SIGN COMPLETE | METAL POST -TYPE B | SIGN PANEL -TYPE 1        | SIGN TYPE |
|---|-----------------------------|---------------|---------------|----------------------------|--------|------------------------------------|----------|-----------|-----------|----------------------|-----------------------------------|-------------------------------|--------------------|---------------------------|-----------|
|   |                             |               |               |                            |        | -LINE 4"                           | -LINE 6" | -LINE 12" | -LINE 24" | -LETTERS AND SYMBOLS |                                   |                               |                    |                           |           |
|   |                             |               |               |                            |        | FOOT                               | FOOT     | FOOT      | FOOT      | SQ FT                |                                   |                               |                    |                           |           |
| MOORE STREET - RIGHT                          |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 1   | 100+56.7 TO 101+00. RT.     | 43.3          | HMA           | RT., EDGE LINE             | WHITE  | 43.3                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 2   | 101+00. TO 101+39.39 RT.    | 39.4          | PCC           | RT., EDGE LINE             | WHITE  | 39.7                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 3   | 101+33.72 TO 101+35.72 RT.  | -             | PCC           | A.R., STOP BAR             | WHITE  | -                                  | -        | -         | 13.1      | -                    | 1                                 | -                             | 14.0               | EXIST. STOP & ALL WAY     |           |
| 4   | 101+39.17 TO 101+52.9 RT.   | 13.7          | PCC           | A.R., CROSSWALK            | WHITE  | 34.4                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 5   | 101+45.02 TO 101+54.52 RT.  | 9.5           | PCC           | RT., EDGE LINE             | WHITE  | 13.0                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 6   | 101+54.47 TO 101+58.18 RT.  | 3.7           | PCC           | RT., EDGE LINE             | WHITE  | 3.1                                | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 7   | 101+39.5 TO 101+52.8 RT.    | 13.3          | PCC           | A.R., CROSSWALK            | WHITE  | -                                  | 34.1     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 8   | 101+51.6 TO 102+24.18 RT.   | 72.6          | PCC           | RT., CROSSWALK             | WHITE  | -                                  | 76.2     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 9   | 101+53.9 TO 102+12.96 RT.   | 59.1          | PCC           | RT., CROSSWALK             | WHITE  | -                                  | 62.6     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 10  | 101+78. TO 101+82.58 RT.    | 4.6           | PCC           | DOUBLE C.L.                | YELLOW | 21.0                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 11  | 101+82.58 TO 101+95.9 RT.   | 13.3          | PCC           | A.R., STOP BAR             | WHITE  | -                                  | -        | -         | 18.3      | -                    | -                                 | -                             | -                  | -                         |           |
|   | 101+88.84 TO 102+11.88 RT.  | 23.0          | PCC           | RT., EDGE LINE             | WHITE  | 31.6                               | -        | -         | -         | 1                    | -                                 | 14.0                          | -                  | EXIST. STOP & ALL WAY     |           |
| 12  | 102+23. TO 102+30.57 RT.    | 7.6           | PCC           | RT., EDGE LINE             | WHITE  | 8.1                                | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 13  | 102+30.17 TO 102+56.3 RT.   | 26.1          | PCC           | A.R., CROSSWALK            | WHITE  | -                                  | 60.1     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 14  | 102+38.82 TO 103+35.59 RT.  | 96.8          | PCC           | RT., EDGE LINE             | WHITE  | 94.1                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 15  | 103+00. RT.                 | -             | -             | -                          | -      | -                                  | -        | -         | -         | 1                    | -                                 | 14.0                          | -                  | EXIST. 25 MPH             |           |
| 16  | 103+35.59 TO 105+62.5 RT.   | 226.9         | HMA           | RT., EDGE LINE             | WHITE  | 226.9                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| MOORE STREET - RIGHT, ENTR. AT 104+14.62, RT. |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 17  | 103+74.71 RT.               | -             | PCC           | SUP - A.R., STOP BAR       | WHITE  | -                                  | -        | 4.0       | -         | -                    | -                                 | 14.0                          | 2.25               | SUP-STOP                  |           |
| 18  | 103+77.68 TO 104+59.7 RT.   | 82.0          | PCC           | SUP - EDGE LINE            | WHITE  | -                                  | 82.0     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 19  | 103+85.01 TO 103+88.27 RT.  | 3.3           | PCC           | SUP - EDGE LINE            | WHITE  | 5.3                                | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 20  | 103+90.66                   | -             | -             | -                          | -      | -                                  | -        | -         | -         | -                    | -                                 | 14.0                          | 12.5               | ENTR.-DO NOT ENTER & STOP |           |
| 21  | 103+94.15 TO 104+05.44 RT.  | 11.3          | PCC           | ENTRANCE EDGE LINE         | WHITE  | 45.9                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 22  | 103+94.15 TO 104+37.26 RT.  | 43.1          | PCC           | SUP - EDGE LINE            | WHITE  | -                                  | 43.1     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 23  | 103+97.46 TO 104+31.19 RT.  | 33.7          | PCC           | ENTRANCE STOP BAR          | WHITE  | -                                  | -        | 35.6      | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 24  | 104+09.52 RT.               | -             | PCC           | EXIT ONLY ARROW            | WHITE  | -                                  | -        | -         | 15.6      | -                    | -                                 | -                             | -                  | -                         |           |
| 25  | 104+14.62 RT.               | -             | PCC           | CENTER LANE LINE           | WHITE  | -                                  | 39.2     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 26  | 104+19.43 RT.               | -             | PCC           | EXIT ONLY ARROW            | WHITE  | -                                  | -        | -         | 15.6      | -                    | -                                 | -                             | -                  | -                         |           |
| 27  | 104+23.63 TO 104+37.26 RT.  | -             | PCC           | ENTRANCE EDGE LINE         | WHITE  | 47.5                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 28  | 104+26.4 RT.                | -             | -             | -                          | -      | -                                  | -        | -         | -         | -                    | 1                                 | -                             | -                  | DO NOT ENTER              |           |
| 29  | 104+37.35 RT.               | -             | -             | -                          | -      | -                                  | -        | -         | -         | -                    | -                                 | 14.0                          | 12.5               | ENTR.-DO NOT ENTER & STOP |           |
| 30  | 104+48.7 TO 104+57.42 RT.   | 8.7           | PCC           | SUP - EDGE LINE            | WHITE  | -                                  | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 31  | 104+62.73 RT.               | -             | PCC           | SUP - A.R., STOP BAR       | WHITE  | -                                  | -        | 4.0       | -         | -                    | -                                 | 14.0                          | 2.25               | SUP-STOP                  |           |
| TEMPORARY CONNECTOR - RIGHT                   |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 32  | 5000+62.5 TO 5001+71.2 RT.  | 108.7         | HMA           | RT., EDGE LINE             | WHITE  | 108.9                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| MOORE STREET - CENTER                         |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 33  | 100+56.7 TO 101+00. C.L.    | 43.3          | HMA           | DOUBLE C.L.                | YELLOW | 86.6                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 34  | 101+00. TO 101+35.72 C.L.   | 35.7          | PCC           | DOUBLE C.L.                | YELLOW | 71.4                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 35  | 102+71.54 TO 103+35.6 C.L.  | 64.1          | PCC           | DOUBLE C.L.                | YELLOW | 128.2                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 36  | 103+35.6 TO 105+62.5 C.L.   | 226.9         | HMA           | DOUBLE C.L.                | YELLOW | 453.8                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| TEMPORARY CONNECTOR - CENTER                  |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 37  | 5000+62.5 TO 5001+71.2 C.L. | 108.7         | HMA           | DOUBLE C.L.                | YELLOW | 217.4                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| MOORE STREET - LEFT                           |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 38  | 100+56.7 TO 101+00. LT.     | 43.3          | HMA           | LT., EDGE LINE             | WHITE  | 43.3                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 39  | 101+00. TO 101+53.13 LT.    | 53.1          | PCC           | LT., EDGE LINE & DIAGONALS | WHITE  | 60.86                              | -        | 34.8      | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 40  | 101+45.94 TO 101+65.48 LT.  | 19.5          | PCC           | A.R., CROSSWALK            | WHITE  | -                                  | 50.4     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 41  | 101+60.41 TO 102+16.8 LT.   | 56.4          | PCC           | LT., EDGE LINE & DIAGONALS | WHITE  | 61.0                               | -        | 31.4      | -         | -                    | 1                                 | -                             | 14.0               | EXIST. STOP & ALL-WAY     |           |
| 42  | 102+03.32 TO 102+33.77 LT.  | 30.5          | PCC           | A.R., CROSSWALK            | WHITE  | -                                  | 41.5     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 43  | 102+48.68 TO 102+73.78 LT.  | 25.1          | PCC           | A.R., CROSSWALK            | WHITE  | -                                  | 64.7     | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 44  | 102+71.54 TO 102+73.54 LT.  | 2.0           | PCC           | A.R., STOP BAR             | WHITE  | -                                  | -        | -         | 21.3      | -                    | -                                 | -                             | -                  | -                         |           |
| 45  | 102+81.45                   | -             | -             | -                          | -      | -                                  | -        | -         | -         | 1                    | -                                 | 14.0                          | -                  | EXIST. STOP & ALL-WAY     |           |
| 46  | 102+73.52 TO 103+35.6 LT.   | 62.1          | PCC           | LT., EDGE LINE             | WHITE  | 66.4                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| 47  | 103+35.6 TO 105+62.5 LT.    | 226.9         | HMA           | LT., EDGE LINE             | WHITE  | 226.9                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |
| TEMPORARY CONNECTOR - LEFT                    |                             |               |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                           |           |
| 48  | 5000+62.5 TO 5001+71.2 LT.  | 108.7         | HMA           | LT., EDGE LINE             | WHITE  | 108.4                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                         |           |

**CONTINUED NEXT SHEET**

**PAVEMENT MARKINGS AND SIGNS**

| LOCATION                        | LENGTH (FOOT)            | PAVEMENT TYPE | OFFSET & TYPE              | COLOR  | MODIFIED URETHANE PAVEMENT MARKING |          |           |           |                      | REMOVE AND RE-ERECT EXISTING SIGN | REMOVE EXISTING SIGN COMPLETE | METAL POST -TYPE B | SIGN PANEL -TYPE 1 | SIGN TYPE                     |
|---------------------------------|--------------------------|---------------|----------------------------|--------|------------------------------------|----------|-----------|-----------|----------------------|-----------------------------------|-------------------------------|--------------------|--------------------|-------------------------------|
|                                 |                          |               |                            |        | -LINE 4"                           | -LINE 6" | -LINE 12" | -LINE 24" | -LETTERS AND SYMBOLS |                                   |                               |                    |                    |                               |
|                                 |                          |               |                            |        | FOOT                               | FOOT     | FOOT      | FOOT      | SQ FT                |                                   |                               |                    |                    |                               |
| <b>COLUMBIA AVENUE - RIGHT</b>  |                          |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                    |                               |
| 49                              | 999+80.22 TO 1000+22.9   | RT.           | RT., EDGE LINE & DIAGONALS | WHITE  | 77.7                               | -        | 32.1      | -         | -                    | -                                 | -                             | 14.0               | 1.5                | NO PARKING ANY TIME           |
| 50                              | 1000+22.9 TO 1001+12.5   | RT.           | RT., EDGE LINE             | WHITE  | 89.6                               | -        | -         | -         | -                    | -                                 | -                             | 14.0               | 1.5                | NO PARKING ANY TIME           |
| 51                              | 1001+12.5 TO 1002+25.69  | RT.           | RT., EDGE LINE             | WHITE  | 113.2                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
|                                 | 1003+25.34 TO 1004+00.   | RT.           | RT., EDGE LINE             | WHITE  | 83.6                               | -        | 21.1      | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 52                              | 1003+27.71               | RT.           | -                          | -      | -                                  | -        | -         | -         | -                    | 1                                 | -                             | -                  | -                  | EXISTING STREET SIGN AND POLE |
| 53                              | 1003+91.76               | RT.           | -                          | -      | -                                  | -        | -         | -         | -                    | 1                                 | -                             | 14.0               | -                  | EXIST. 25 MPH                 |
| 54                              | 1004+00. TO 1004+50.     | RT.           | RT., EDGE LINE             | WHITE  | 50                                 | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| <b>COLUMBIA AVENUE - CENTER</b> |                          |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                    |                               |
| 55                              | 1000+00. TO 1001+12.5    | A.R.          | DOUBLE C.L.                | YELLOW | 225.0                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 56                              | 1001+12.5 TO 1002+14.28  | A.R.          | DOUBLE C.L.                | YELLOW | 203.6                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 57                              | 1002+12.28 TO 1002+14.28 | A.R.          | A.R., STOP BAR             | WHITE  | 14.0                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 58                              | 1002+03.31 TO 1002+25.07 | A.R.          | A.R., CROSSWALK            | WHITE  | -                                  | 77.0     | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 59                              | 1003+25.17 TO 1004+00.   | A.R.          | DOUBLE C.L.                | YELLOW | 149.6                              | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 60                              | 1004+00. TO 1004+50.     | A.R.          | DOUBLE C.L.                | YELLOW | 100                                | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| <b>COLUMBIA AVENUE - LEFT</b>   |                          |               |                            |        |                                    |          |           |           |                      |                                   |                               |                    |                    |                               |
| 61                              | 1001+00. TO 1002+03.45   | LT.           | LT., EDGE LINE             | WHITE  | 93.1                               | -        | -         | -         | -                    | 1                                 | -                             | 14.0               | -                  | EXIST. 25 MPH                 |
| 62                              | 1002+07.9 TO 1002+11.48  | LT.           | LT., EDGE LINE             | WHITE  | 7.0                                | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 63                              | 1003+25.12 TO 1004+00.   | LT.           | LT., EDGE LINE             | WHITE  | 75.0                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| 64                              | 1004+00. TO 1004+50.     | LT.           | LT., EDGE LINE             | WHITE  | 50.0                               | -        | -         | -         | -                    | -                                 | -                             | -                  | -                  | -                             |
| <b>TOTALS:</b>                  |                          |               |                            |        | 3,578.5                            | 630.9    | 163.0     | 52.7      | 31.2                 | 8                                 | 1                             | 182.0              | 32.5               |                               |
| <b>USE:</b>                     |                          |               |                            |        | 3,579                              | 631      | 163       | 53        | 32                   | 8                                 | 1                             | 182                | 33                 |                               |

**EARTHWORK**

| LOCATION                             | 1                      | 2                                     | 3*  | 4*                               | 5                               | 6                       | 7                            | 8                           | 9                            | 10                     | 11                           | 12                                  | 13*                              |
|--------------------------------------|------------------------|---------------------------------------|---|----------------------------------|---------------------------------|-------------------------|------------------------------|-----------------------------|------------------------------|------------------------|------------------------------|-------------------------------------|----------------------------------|
|                                      | TOPSOIL EXCAVATION, 6" | TOPSOIL EXCAV., 6" x SHRINKAGE FACTOR | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | EARTH EXCAVATION (BELOW T. SOIL) | EARTH EXCAV. X SHRINKAGE FACTOR | EMBANKMENT (STRUCTURAL) | BALANCE (-) WASTE (+) BORROW | EMBANKMENT (NON-STRUCTURAL) | BALANCE (-) WASTE (+) BORROW | TOPSOIL PLACE-MENT, 4" | BALANCE (-) WASTE (+) BORROW | TOTAL BALANCES (-) WASTE (+) BORROW | TOPSOIL EXCAVATION AND PLACEMENT |
|                                      | CU. YD.                | CU. YD.                               | CU. YD.                                     | CU. YD.                          | CU. YD.                         | CU. YD.                 | CU. YD.                      | CU. YD.                     | CU. YD.                      | CU. YD.                | CU. YD.                      | CU. YD.                             | CU. YD.                          |
| MOORE STREET                         | 1,040.0                | 780.0                                 | 747.0                                       | 1,511.0                          | 1,133.3                         | 213.0                   | -920.3                       | 884.0                       | -36.3                        | 445.0                  | -335.0                       | -371.3                              | 1,040.0                          |
| MOORE ST., 104+85.20-105+50, LEFT    | 111.0                  | 83.3                                  | 0.0   | 187.0                            | 140.3                           | 0.0                     | -140.3                       | 18.0                        | -122.3                       | 0.0                    | -83.3                        | -205.5                              | 111.0                            |
| COLUMBIA AVENUE WEST OF MOORE STREET | 38.0                   | 28.5                                  | 66.0  | 100.0                            | 75.0                            | 12.0                    | -63.0                        | 12.0                        | -51.0                        | 118.0                  | 89.5                         | 38.5                                | 38.0                             |
| COLUMBIA AVENUE EAST OF MOORE STREET | 133.0                  | 99.8                                  | 157.0                                       | 387.0                            | 290.3                           | 0.0                     | -290.3                       | 80.0                        | -210.3                       | 78.0                   | -21.8                        | -232.0                              | 133.0                            |
| <b>TOTALS:</b>                       | 1,322.0                | 991.5                                 | 970.0                                       | 2,185.0                          | 1,638.8                         | 225.0                   | -1,413.8                     | 994.0                       | -419.8                       | 641.0                  | -350.5                       | -770.3                              | 1,322.0                          |
| <b>USE:</b>                          |                        |                                       | 970   | 2,185                            |                                 |                         |                              |                             |                              |                        |                              |                                     | 1,322                            |

NOTES:

\* = PAY ITEM

COLUMN 1 = BASED ON BORINGS, CALCULATED FROM CROSS SECTIONS. SEE TYPICALS AND CROSS SECTIONS FOR LIMITS.

COLUMN 2 = COLUMN 1 x 0.75, FOR A CONSERVATIVE ESTIMATE OF TOPSOIL MATERIAL THAT IS AVAILABLE.

COLUMN 3 = EXISTING AGGREGATE BASES UNDER REMOVED PAVEMENT. SEE TYPICALS AND CROSS SECTIONS FOR DEPTHS.

THIS SAME QUANTITY IS ALSO LISTED UNDER THE PAVEMENT REMOVAL SCHEDULE.

COLUMN 4 = EARTH MATERIAL BELOW TOPSOIL, AGGREGATE SURFACES AND BASES, AND PAVEMENTS THAT IS SUITABLE FOR COLUMNS 6 AND 8 MATERIAL.

COLUMN 5 = COLUMN 4 x 0.75, FOR A CONSERVATIVE ESTIMATE OF EARTH EXCAVATION MATERIAL THAT IS AVAILABLE.

COLUMN 6 = CALCULATED FROM CROSS SECTIONS. THIS MATERIAL MAY BE EARTH EXCAVATION MATERIAL BUT NOT TOPSOIL, TO BE USED AS A STRUCTURAL FILL UNDER PAVEMENTS AND SIDEWALKS.

COLUMN 7 = COLUMN 6 - COLUMN 5. EQUATES TO EARTH EXCAVATION MATERIAL NOT USED FOR STRUCTURAL FILL.

COLUMN 8 = CALCULATED FROM CROSS SECTIONS. THIS MATERIAL IS NON-STRUCTURAL FILL AS IT IS NOT UNDER PAVEMENTS AND SIDEWALKS.

COLUMN 9 = COLUMN 7 + COLUMN 8. EQUATES TO THE MATERIAL NEEDED OR REQUIRED AFTER EARTH EXCAVATION IS USED FOR STRUCTURAL AND THEN NON-STRUCTURAL FILL.

COLUMN 10 = CALCULATED FROM CROSS SECTIONS. SEE TYPICALS AND CROSS SECTIONS FOR LIMITS.

COLUMN 11 = COLUMN 10 - COLUMN 2. EQUATES TO THE AMOUNT OF EXCAVATED TOPSOIL THAT REMAINS AFTER PLACING IT AS A FINAL SURFACE.

COLUMN 12 = COLUMN 9 + COLUMN 11. EQUATES TO THE AMOUNT OF MATERIAL TO WASTE OR TO BRING IN FROM OFFSITE FOR NON-STRUCTURAL FILL.

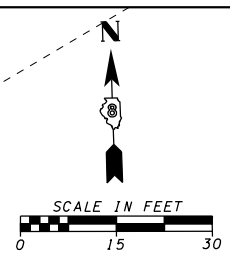
COLUMN 13 = COLUMN 1

TRENCH EXCAVATION FOR STORM SEWER AND OTHER DRAINAGE STRUCTURES IS NOT INCLUDED IN THE EARTHWORK CALCULATIONS ABOVE.

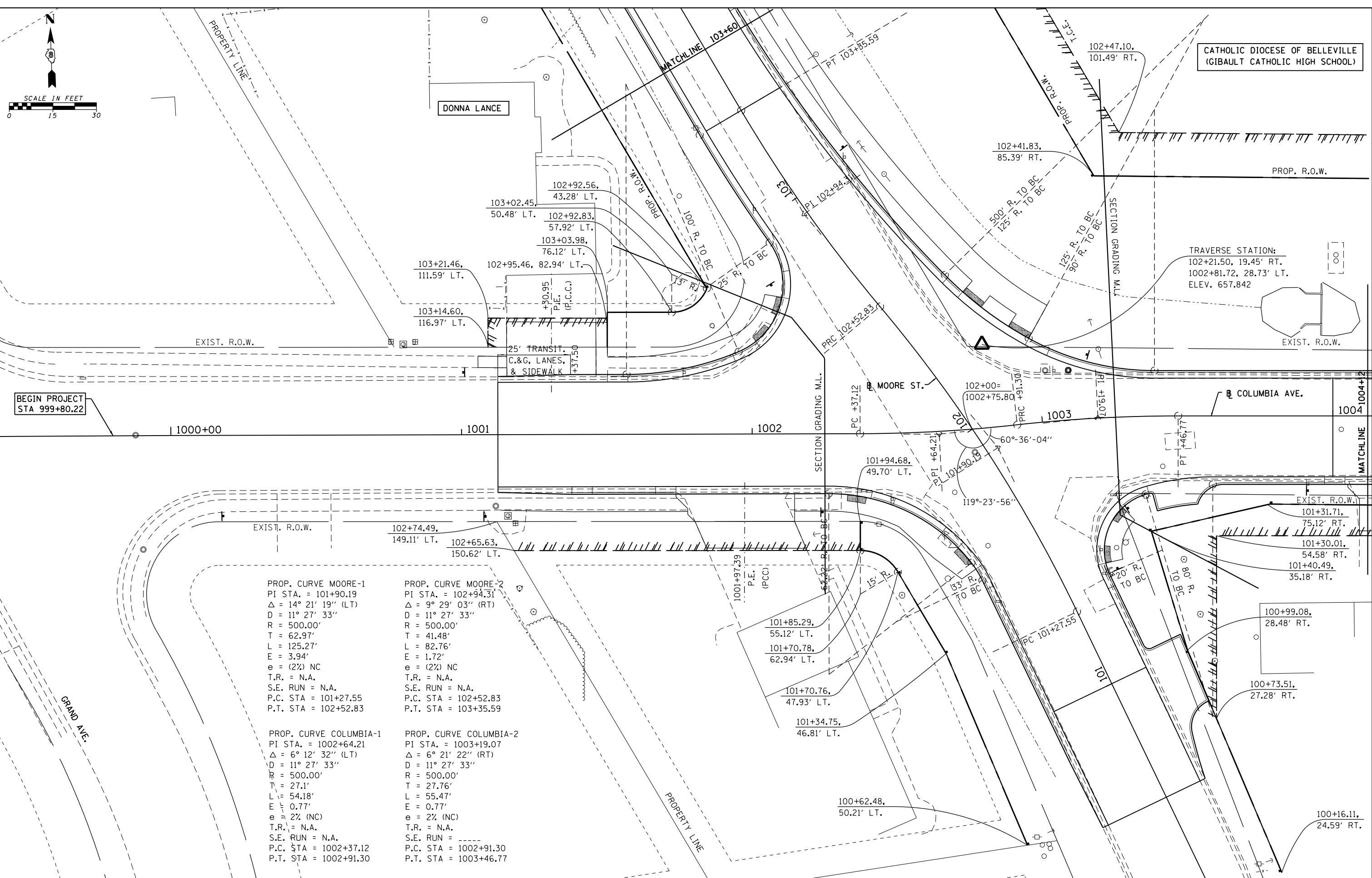
|  |                             |            |           |   |                  |                    |                     |                           |              |           |
|--|-----------------------------|------------|-----------|---|------------------|--------------------|---------------------|---------------------------|--------------|-----------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULES</b> | F.A. RTE.          | SECTION             | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6.12to19.dwg | DRAWN -                     | REVISED -  | 9315      |   |                  | 15-00032-04-PV     | MONROE              | 132                       | 18           |           |
| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |                  | CONTRACT NO. 97717 |                     | ILLINOIS FED. AID PROJECT |              |           |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |                  | SCALE:             | SHEET 7 OF 8 SHEETS | STA.                      | TO STA.      |           |

**MAINLINE & ENTRANCES PAVING**

| LOCATION                                  | LENGTH (FOOT)           | SUBBASE GRANULAR MATERIAL, TYPE A 12" | AGGREGATE BASE COURSE, TYPE A 4" | AGGREGATE BASE COURSE, TYPE A 8" | AGGREGATE BASE COURSE, TYPE A 12" | AGGREGATE BASE COURSE, TYPE A | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | CLASS SI CONCRETE (OUTLET), SPECIAL | PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED) | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH | BITUMINOUS MATERIALS (PRIME COAT) | HOT-MIX ASPHALT BASE COURSE, 6 1/2" | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH | DETECTABLE WARNINGS | AGGREGATE SHOULDERS, TYPE B |      |
|---|-------------------------|---------------------------------------|----------------------------------|----------------------------------|-----------------------------------|-------------------------------|---|-------------------------------------|--|--|-----------------------------------|-------------------------------------|---|--|---|---------------------|-----------------------------|------|
|   |                         | SQ YD                                 | SQ YD                            | SQ YD                            | SQ YD                             | TON                           | FOOT  | CU YD                               | SQ YD  | SQ YD  | POUND                             | SQ YD                               | TON   | TON  | SQ FT                                     | SQ FT               |                             |      |
| <b>MOORE STREET</b>                       |                         |                                       |                                  |                                  |                                   |                               |   |                                     |  |  |                                   |                                     |   |  |   |                     |                             |      |
| 1   | 100+56.7 TO 101+00.     | LT.                                   | 43.3                             | -                                | -                                 | -                             | 2.9   | 43.3                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 2   | 100+56.7 TO 101+00.     | A.R.                                  | 43.3                             | -                                | -                                 | 202.0                         | -   | -                                   | -  | -  | 456                               | 169.0                               | 21.3  | 21.3   | -   | -                   | -                           |      |
| 3   | 100+56.7 TO 101+07.11   | RT.                                   | 50.4                             | -                                | 208.9                             | -                             | 3.4   | -                                   | 9.5  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 4   | 101+00. TO 101+52.57    | LT.                                   | 52.6                             | -                                | -                                 | -                             | -   | 52.6                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 5   | 101+00. TO 101+50.      | A.R.                                  | 50.0                             | -                                | -                                 | -                             | -   | -                                   | 198.1  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 6   | 101+00. TO 101+34.38    | RT.                                   | 34.4                             | -                                | -                                 | -                             | -   | 34.4                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 7   | 101+34.38 TO 101+54.12  | RT.                                   | -                                | 240.7                            | 13.7                              | -                             | -   | 25.0                                | -  | -  | -                                 | -                                   | -   | -  | 107.3                                     | 19.5                | -                           |      |
| 8   | 101+52.57 TO 102+11.06  | LT.                                   | -                                | -                                | 43.9                              | -                             | -   | 65.7                                | -  | -  | -                                 | -                                   | -   | -  | 390.4                                     | 25.0                | -                           |      |
| 9   | 101+50. TO 102+92.94    | A.R.                                  | 142.9                            | 1,053.0                          | -                                 | -                             | -   | -                                   | 961.6  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 10  | 101+92.09 TO 102+92.94  | RT.                                   | -                                | -                                | -                                 | -                             | -   | 113.7                               | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 11  | 102+14.12 TO 102+92.94  | RT.                                   | -                                | -                                | 100.9                             | -                             | -   | -                                   | -  | -  | -                                 | -                                   | -   | -  | 711.72                                    | 28.6                | -                           |      |
| 12  | 102+72.92 TO 102+80.    | LT.                                   | -                                | -                                | 4.2                               | -                             | -   | -                                   | -  | -  | -                                 | -                                   | -   | -  | 27.4                                      | -                   | -                           |      |
| 13  | 102+72.92 TO 102+92.94  | LT.                                   | -                                | -                                | -                                 | -                             | -   | 25.8                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 14  | 102+92.94 TO 103+35.59  | LT.                                   | 42.6                             | -                                | -                                 | -                             | -   | 42.6                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 15  | 102+92.94 TO 103+35.59  | A.R.                                  | -                                | 186.9                            | -                                 | -                             | -   | -                                   | 145.6  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 16  | 102+92.94 TO 103+35.59  | RT.                                   | 42.6                             | -                                | 46.9                              | -                             | -   | 42.6                                | -  | -  | -                                 | -                                   | -   | -  | 337.9                                     | -                   | -                           |      |
| 17  | 103+35.59 TO 103+72.7   | LT.                                   | 37.1                             | -                                | -                                 | -                             | 2.5   | 37.1                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 18  | 103+35.59 TO 103+72.7   | A.R.                                  | 37.1                             | -                                | -                                 | 147.5                         | -   | -                                   | -  | -  | 319                               | 117.9                               | 14.9  | 14.9   | -   | -                   | -                           |      |
| 19  | 103+35.59 TO 103+72.7   | RT.                                   | 37.1                             | -                                | 47.1                              | -                             | 2.5   | 37.1                                | -  | -  | -                                 | -                                   | -   | -  | 339.2                                     | 16.0                | -                           |      |
| 20  | 103+72.7 TO 105+62.5    | LT.                                   | 189.8                            | -                                | -                                 | -                             | 12.9  | 189.9                               | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 21  | 103+72.7 TO 105+62.5    | A.R.                                  | 189.8                            | -                                | -                                 | 741.9                         | -   | -                                   | -  | -  | 1,594                             | 590.5                               | 74.4  | 74.4   | -   | -                   | -                           |      |
| 22  | 103+72.7 TO 105+62.5    | RT.                                   | 189.8                            | -                                | 120.3                             | -                             | 12.9  | 189.9                               | -  | -  | -                                 | -                                   | -   | -  | 867.4                                     | 16.0                | -                           |      |
|   | C.E.                    |                                       |                                  | 104+14.62                        | RT.                               | -                             | -   | 312.9                               | -  | -  | 250.0                             | -                                   | -   | -  | -   | -                   | -                           |      |
| <b>MOORE STREET (TEMPORARY CONNECTOR)</b> |                         |                                       |                                  |                                  |                                   |                               |   |                                     |  |  |                                   |                                     |   |  |   |                     |                             |      |
| 23  | 5000+62.5 TO 5001+71.18 | LT.                                   | 108.7                            | -                                | -                                 | -                             | -   | -                                   | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | 28.4                        |      |
| 24  | 5000+62.5 TO 5001+71.18 | A.R.                                  | 108.7                            | -                                | -                                 | -                             | 646.4   | -                                   | -  | -  | 774                               | -                                   | 38.8  | 38.2   | -   | -                   | -                           |      |
| 25  | 5000+62.5 TO 5001+71.18 | RT.                                   | 108.7                            | -                                | -                                 | -                             | -   | -                                   | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | 5.6                         |      |
| <b>COLUMBIA AVENUE</b>                    |                         |                                       |                                  |                                  |                                   |                               |   |                                     |  |  |                                   |                                     |   |  |   |                     |                             |      |
| 26  | 1001+05.7 TO 1002+11.25 | LT.                                   | -                                | -                                | 48.6                              | -                             | -   | 104.5                               | -  | -  | -                                 | -                                   | -   | -  | 417.3                                     | 11.3                | -                           |      |
| 27  | 1001+12.5 TO 1002+25.05 | A.R.                                  | -                                | 595.7                            | -                                 | -                             | -   | -                                   | 509.4  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 28  | 1001+12.5 TO 1002+25.05 | RT.                                   | 112.6                            | -                                | 48.7                              | -                             | -   | 112.6                               | -  | -  | -                                 | -                                   | -   | -  | 438.4                                     | -                   | -                           |      |
| 29  | 1003+25.1 TO 1004+00.   | LT.                                   | 74.9                             | -                                | -                                 | -                             | -   | 74.9                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 30  | 1003+25.1 TO 1004+00.   | A.R.                                  | 74.9                             | 353.4                            | -                                 | -                             | -   | -                                   | 291.1  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 31  | 1003+25.1 TO 1004+00.   | RT.                                   | -                                | -                                | -                                 | 13.6                          | -   | 75.1                                | 3.1  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 32  | 1004+00. TO 1004+50.    | LT.                                   | 50.0                             | -                                | -                                 | -                             | 3.4   | 50.0                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
| 33  | 1004+00. TO 1004+50.    | A.R.                                  | 50.0                             | -                                | -                                 | 18.5                          | 227.6   | -                                   | 3.5  | -  | 507                               | 187.9                               | 23.7  | 23.7   | -   | -                   | -                           |      |
| 34  | 1004+00. TO 1004+50.    | RT.                                   | 50.0                             | -                                | -                                 | -                             | 3.4   | 50.0                                | -  | -  | -                                 | -                                   | -   | -  | -   | -                   | -                           |      |
|   | P.E.                    |                                       |                                  | 1001+30.95                       | LT.                               | -                             | -   | 74.6                                | -  | -  | 70.5                              | -                                   | -   | -  | -   | -                   | -                           |      |
|   | P.E.                    |                                       |                                  | 1001+97.39                       | RT.                               | -                             | -   | 79.4                                | -  | -  | 74.8                              | -                                   | -   | -  | -   | -                   | -                           |      |
|   | P.E.                    |                                       |                                  | 1004+13.4                        | RT.                               | -                             | -   | 22.6                                | 1.9  | -  | 17.7                              | 4                                   | 0.3   | 0.2  | -   | -                   | -                           |      |
| <b>TOTALS:</b>                            |                         |                                       |                                  |                                  |                                   |                               |   |                                     |  |  |                                   |                                     |   |  |   |                     |                             |      |
| <b>USE:</b>                               |                         |                                       |                                  |                                  |                                   |                               |   |                                     |  |  |                                   |                                     |   |  |   |                     |                             |      |
|   |                         |                                       | 2,429.7                          | 650.9                            | 555.8                             | 1,319.0                       | 690.3   | 1,461.7                             | 16.1   | 2,105.8  | 413.0                             | 3,654                               | 1,065.3                                     | 173.4  | 172.7                                     | 3,637.0             | 116.4                       | 34.0 |
|   |                         |                                       | 2,430                            | 651                              | 556                               | 1,319                         | 690   | 1,462                               | 16.1   | 2,106  | 413                               | 3,654                               | 1,065                                       | 174  | 173                                       | 3,637.0             | 116.5                       | 34   |



CATHOLIC DIOCESE OF BELLEVILLE  
(GIBALT CATHOLIC HIGH SCHOOL)



|   |  |
|---|--|
| <p>PROP. CURVE MOORE-1<br/>         PI STA. = 101+90.19<br/> <math>\Delta</math> = 14° 21' 19" (LT)<br/>         D = 11° 27' 33"<br/>         R = 500.00'<br/>         T = 62.97'<br/>         L = 125.27'<br/>         E = 3.94'<br/>         e = (2%) NC<br/>         T.R. = N.A.<br/>         S.E. RUN = N.A.<br/>         P.C. STA = 101+27.55<br/>         P.T. STA = 102+52.83</p>    | <p>PROP. CURVE MOORE-2<br/>         PI STA. = 102+94.31<br/> <math>\Delta</math> = 9° 29' 03" (RT)<br/>         D = 11° 27' 33"<br/>         R = 500.00'<br/>         T = 41.48'<br/>         L = 82.76'<br/>         E = 1.72'<br/>         e = (2%) NC<br/>         T.R. = N.A.<br/>         S.E. RUN = N.A.<br/>         P.C. STA = 102+52.83<br/>         P.T. STA = 103+35.59</p>       |
| <p>PROP. CURVE COLUMBIA-1<br/>         PI STA. = 1002+64.21<br/> <math>\Delta</math> = 6° 12' 32" (LT)<br/>         D = 11° 27' 33"<br/>         R = 500.00'<br/>         T = 27.1'<br/>         L = 54.18'<br/>         E = 0.77'<br/>         e = 2% (NC)<br/>         T.R. = N.A.<br/>         S.E. RUN = N.A.<br/>         P.C. STA = 1002+37.12<br/>         P.T. STA = 1002+91.30</p> | <p>PROP. CURVE COLUMBIA-2<br/>         PI STA. = 1003+19.07<br/> <math>\Delta</math> = 6° 21' 22" (RT)<br/>         D = 11° 27' 33"<br/>         R = 500.00'<br/>         T = 27.76'<br/>         L = 55.47'<br/>         E = 0.77'<br/>         e = 2% (NC)<br/>         T.R. = N.A.<br/>         S.E. RUN = N.A.<br/>         P.C. STA = 1002+91.30<br/>         P.T. STA = 1003+46.77</p> |

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USER NAME = k\_jones  
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 DRAWN -  
 PLOT SCALE = 30.0000' / in.  
 PLOT DATE = 3/30/2021

DESIGNED -  
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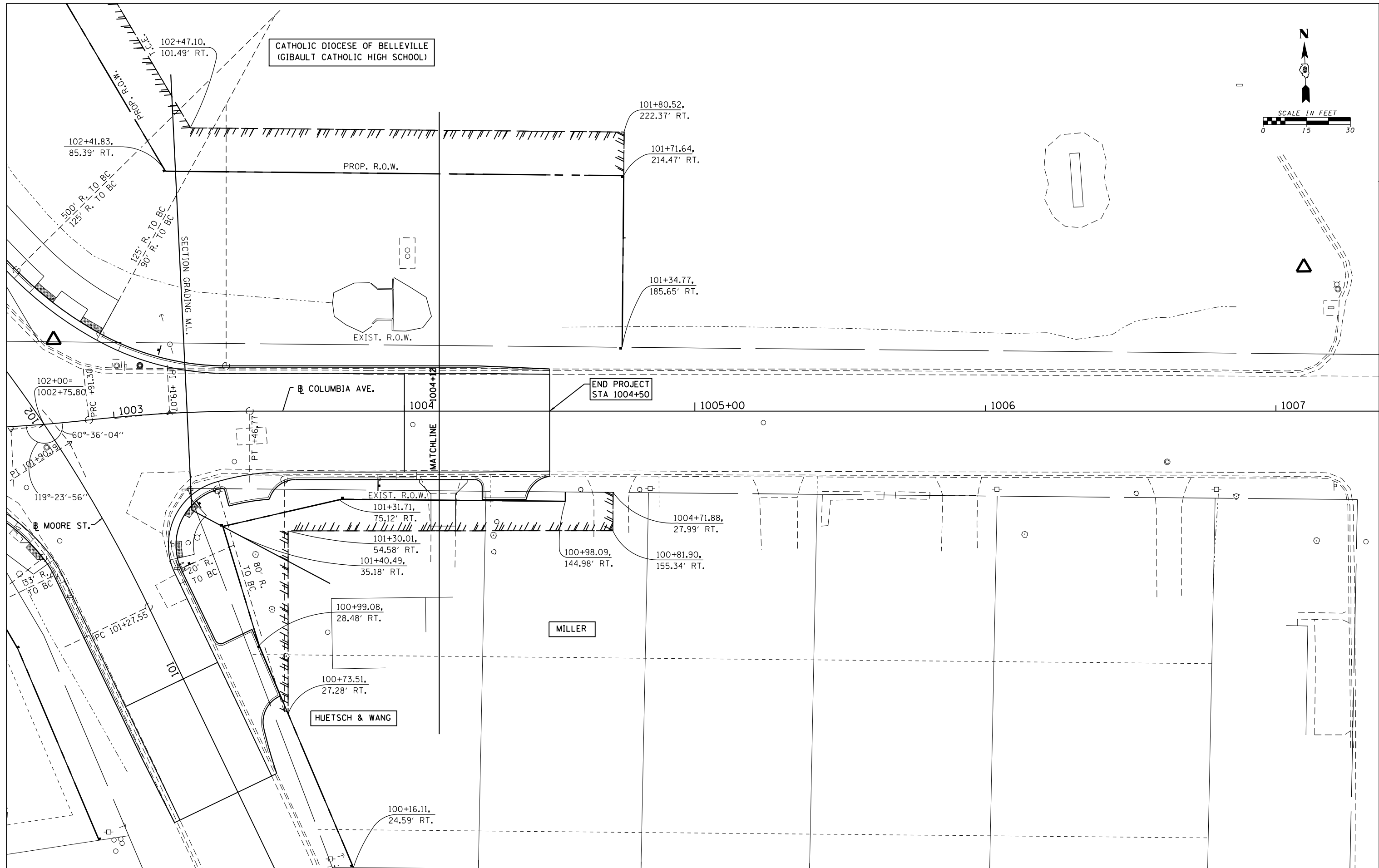
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, R.O.W., T.C.E., PROP. OWNERS & BENCH MARKS:  
 1001+00 TO 1004+00  
 COLUMBIA AVE.

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132          | 20        |
| CONTRACT NO. 97717 |                |        |              |           |

ILLINOIS FED. AID PROJECT



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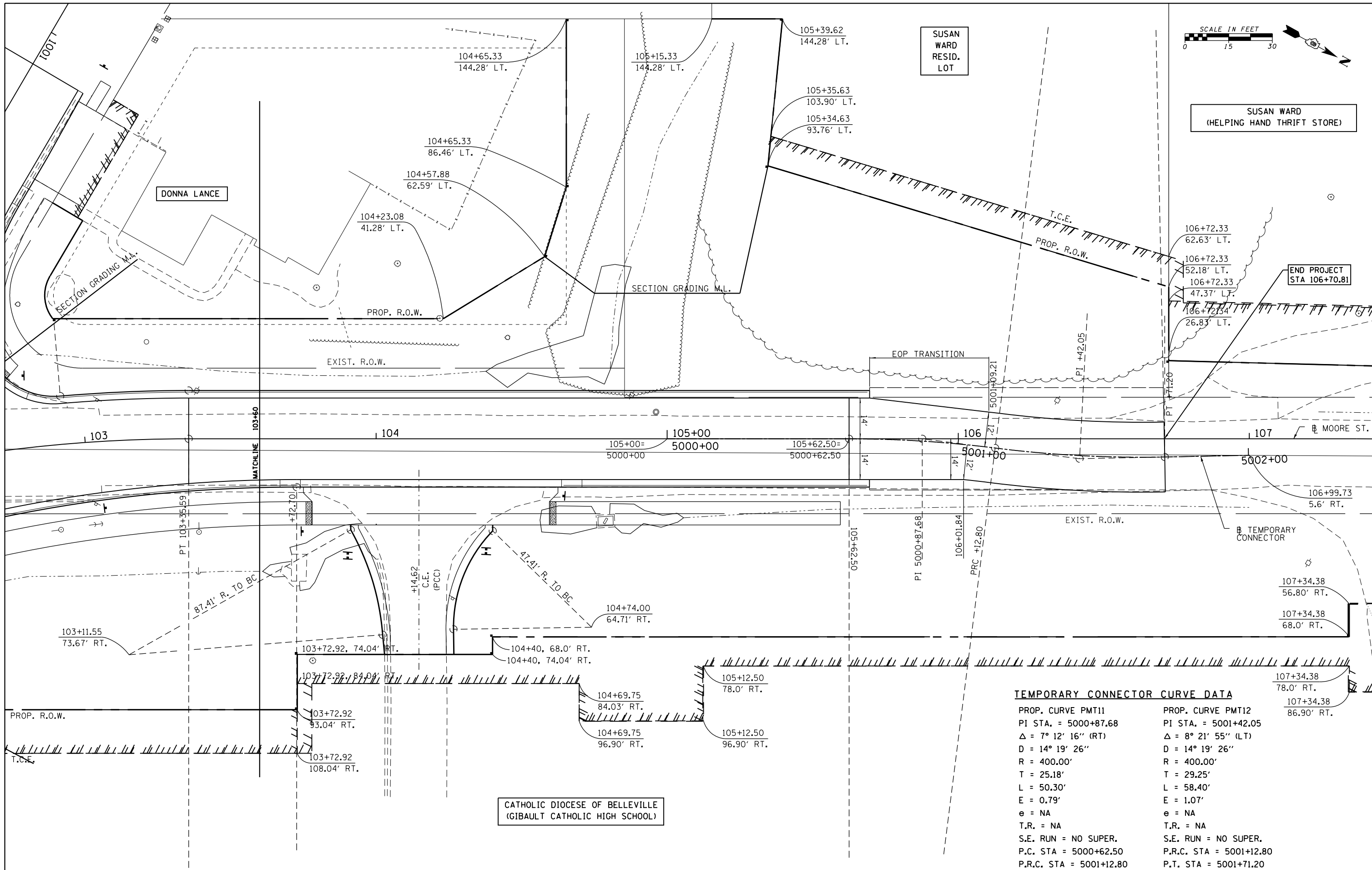
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, R.O.W., T.C.E., PROP. OWNERS & BENCH MARKS:  
1004+00 TO 1005+00  
COLUMBIA AVE.**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 21        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |





**TEMPORARY CONNECTOR CURVE DATA**

| PROP. CURVE PMT11                | PROP. CURVE PMT12                |
|----------------------------------|----------------------------------|
| PI STA. = 5000+87.68             | PI STA. = 5001+42.05             |
| $\Delta = 7^\circ 12' 16''$ (RT) | $\Delta = 8^\circ 21' 55''$ (LT) |
| D = 14° 19' 26"                  | D = 14° 19' 26"                  |
| R = 400.00'                      | R = 400.00'                      |
| T = 25.18'                       | T = 29.25'                       |
| L = 50.30'                       | L = 58.40'                       |
| E = 0.79'                        | E = 1.07'                        |
| e = NA                           | e = NA                           |
| T.R. = NA                        | T.R. = NA                        |
| S.E. RUN = NO SUPER.             | S.E. RUN = NO SUPER.             |
| P.C. STA = 5000+62.50            | P.R.C. STA = 5001+12.80          |
| P.R.C. STA = 5001+12.80          | P.T. STA = 5001+71.20            |

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|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, R.O.W., T.C.E., PROP. OWNERS & BENCH MARKS:  
102 + 75 TO 106 + 70.81  
MOORE ST.**

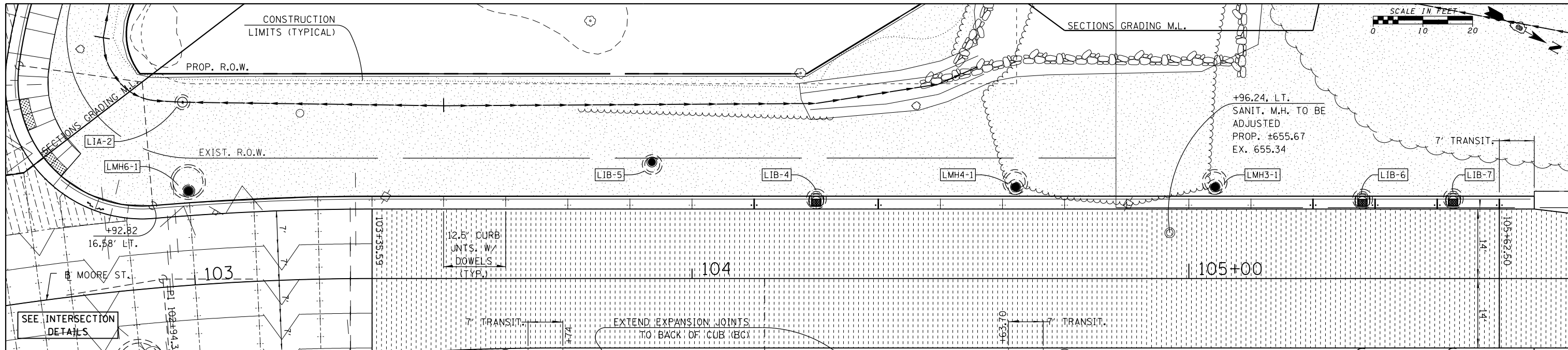
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
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| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



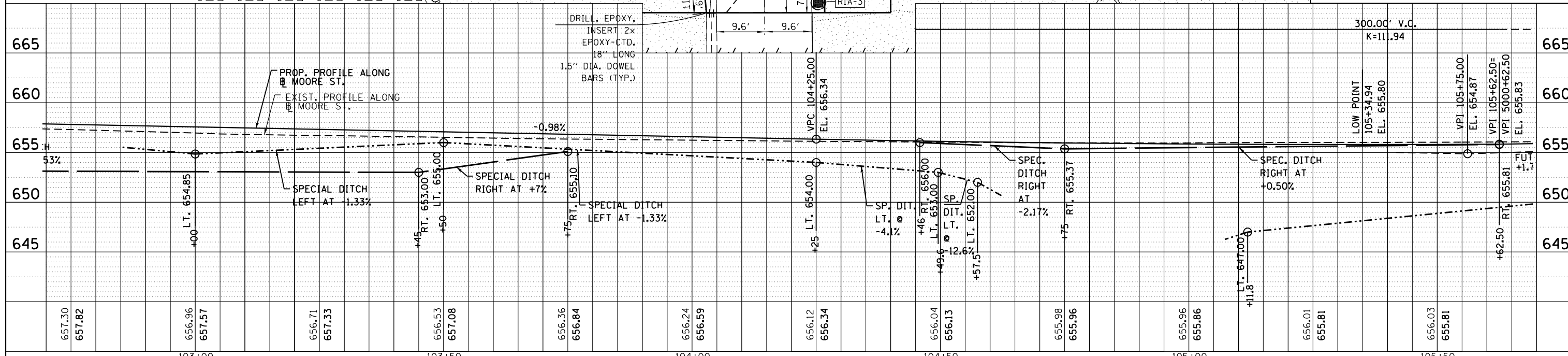
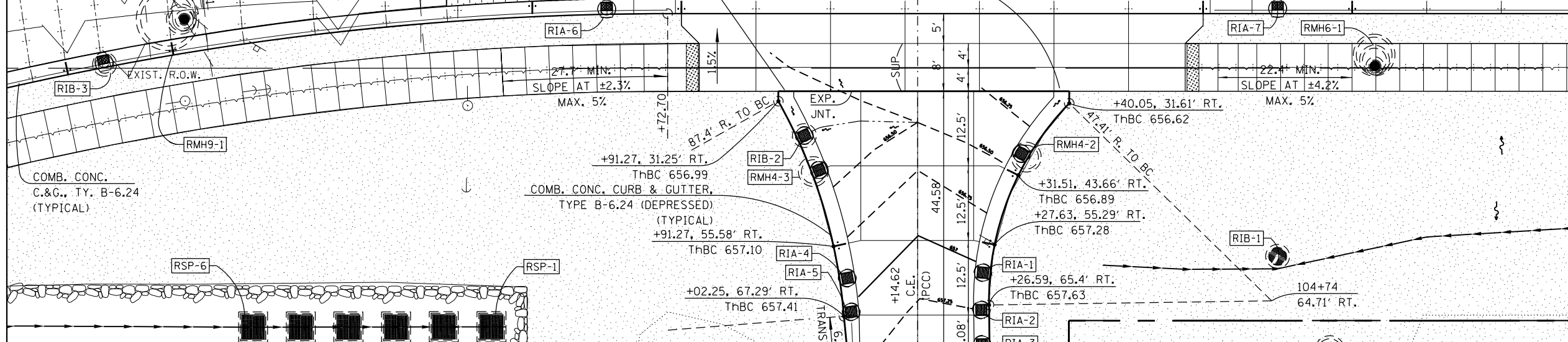
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|         | GRADES    |
|         | STRUCTURE |
|         | NOTATIONS |
|         | CHKD      |



**LEGEND**

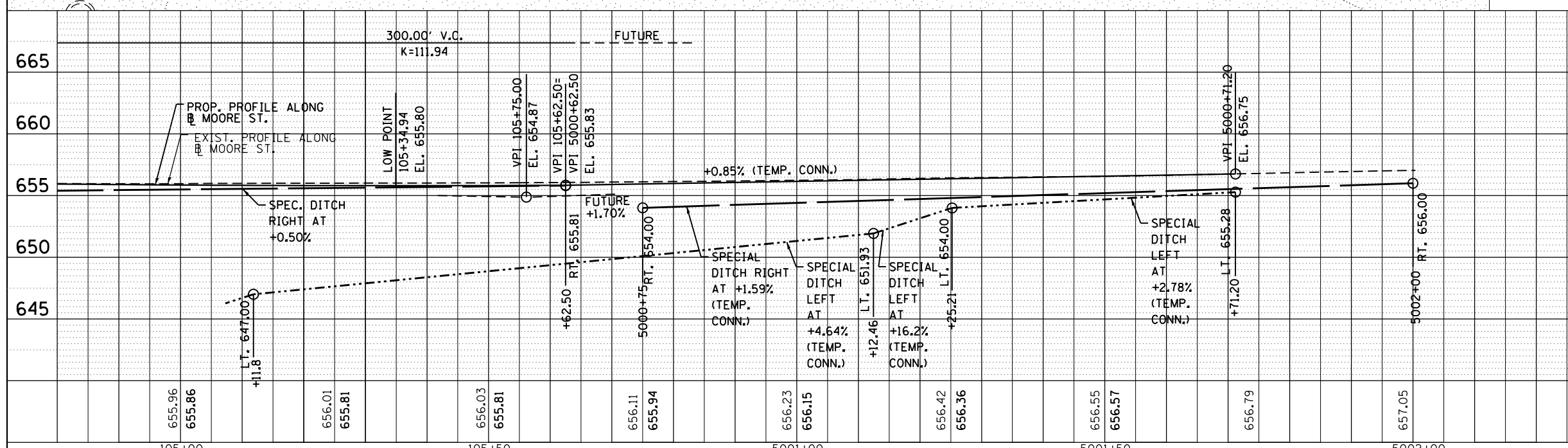
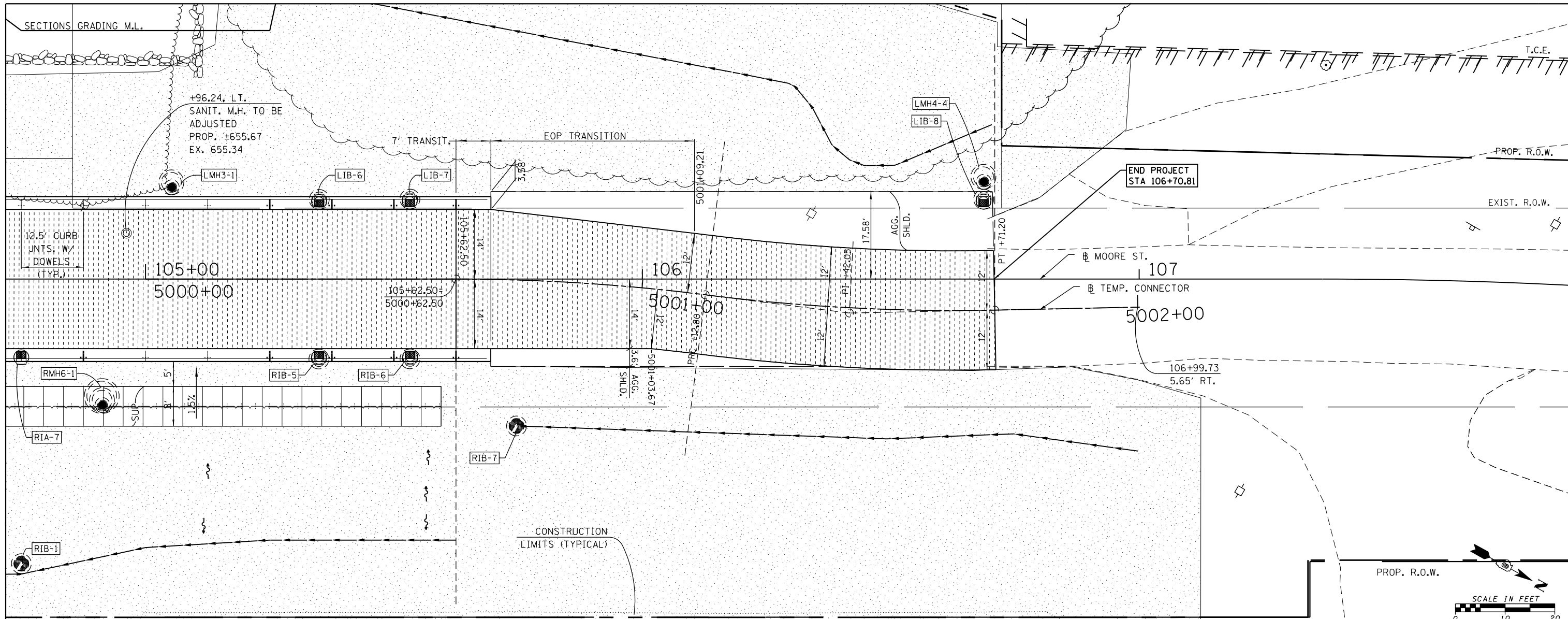
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- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURBS)
- EXPANSION JOINT, DOWELED (INCL. AT TRANS. JNTS. AT INLETS)
- EXPANSION JOINT, UN-DOWELED
- TROWELED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS
- AREAS WITHOUT 2% CROSSESLOPES



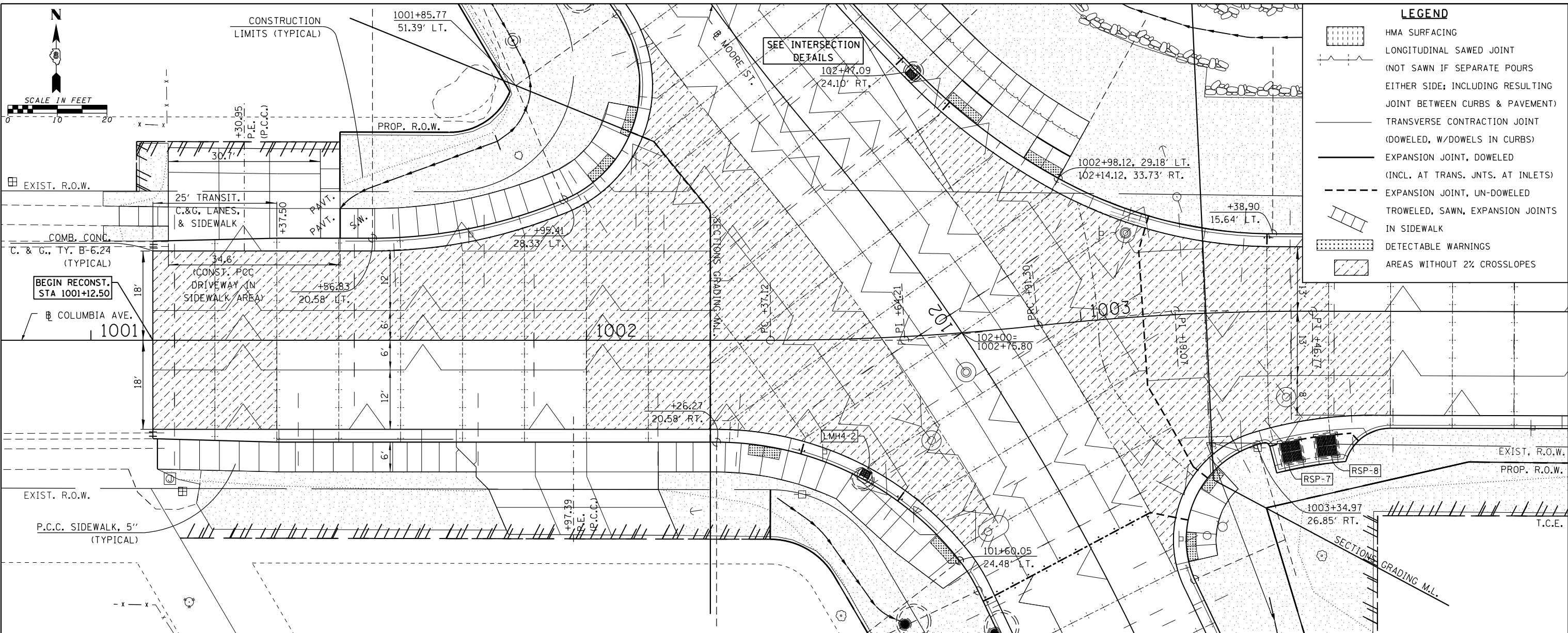
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| PLOT SCALE = 20.0000' / in.   |                     | CHECKED -  | REVISED - |   |  | CONTRACT NO. 97717        |                |        |              |           |
| Default   |                     | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |                |        |              |           |

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| PLAN | SURVEYED  | BY | DATE |
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|      | NO.       |    |      |

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| PROFILE | SURVEYED  | BY | DATE |
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|         | GRADES    |    |      |
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|         | STRUCTURE |    |      |
|         | NOTATIONS |    |      |
|         | CHP       |    |      |



| LEGEND   |   |
|----------|---|
| [Symbol] | HMA SURFACING   |
| [Symbol] | LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT) |
| [Symbol] | TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURBS)   |
| [Symbol] | EXPANSION JOINT, DOWELED (INCL. AT TRANS. JNTS. AT INLETS)  |
| [Symbol] | EXPANSION JOINT, UN-DOWELED   |
| [Symbol] | TROWELED, SAWN, EXPANSION JOINTS IN SIDEWALK  |
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**LEGEND**

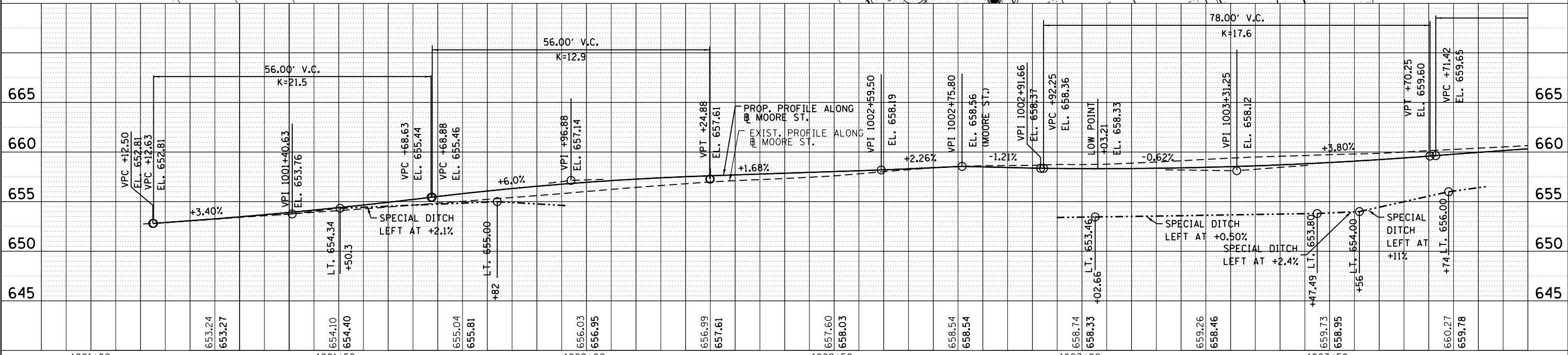
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- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURBS)
- EXPANSION JOINT, DOWELED (INCL. AT TRANS. JNTS. AT INLETS)
- EXPANSION JOINT, UN-DOWELED
- TROWELED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS
- AREAS WITHOUT 2% CROSSLOPES

PLAN

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| DATE              |  |
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| NOTE BOOK NO.     |  |
| CADD FILE NAME    |  |

PROFILE

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| DATE              |  |
| BY                |  |
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| NOTE BOOK NO.     |  |
| CADD FILE NAME    |  |

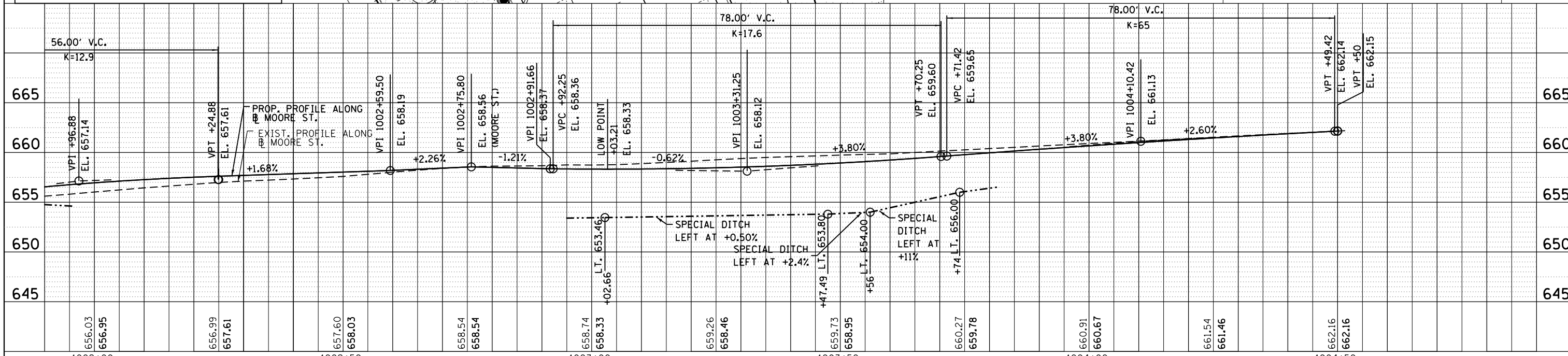
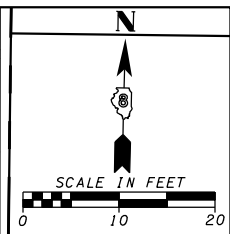
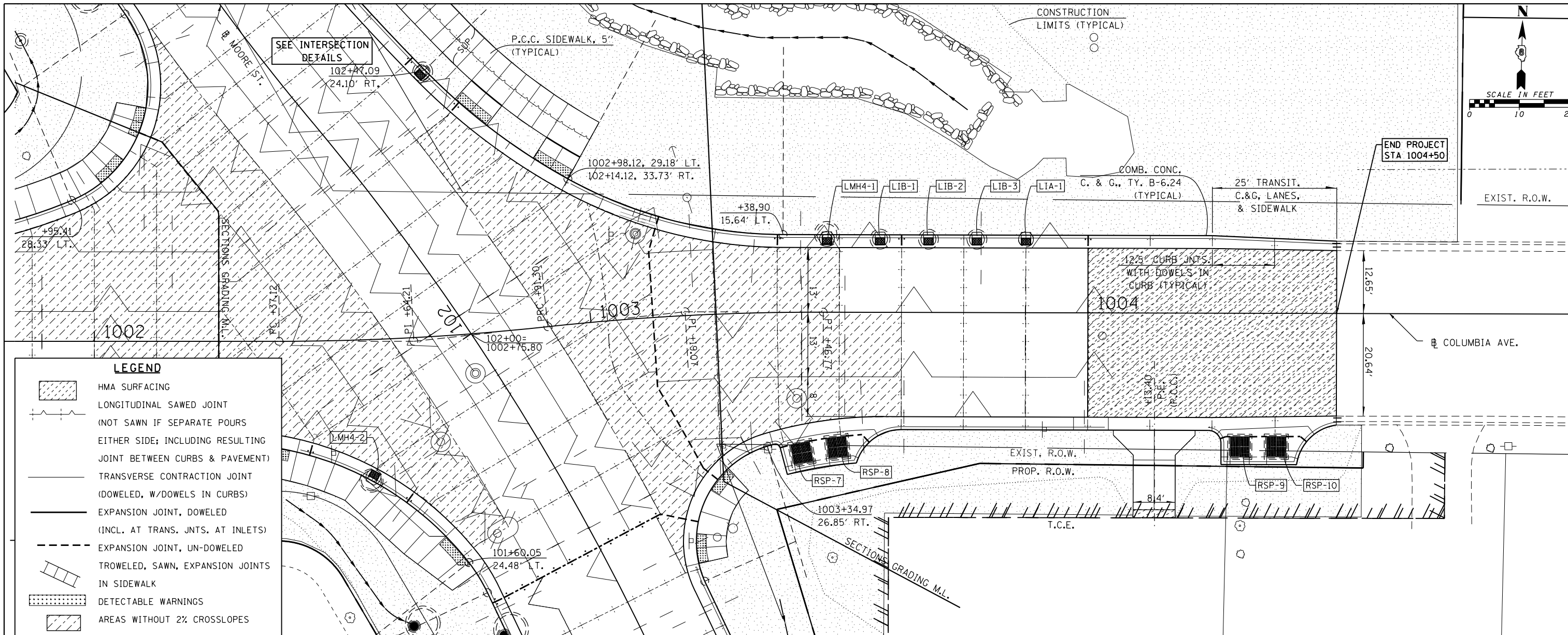


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| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |   | CONTRACT NO. 97717 |               | ILLINOIS FED. AID PROJECT |              |  |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |   |                    |               |                           |              |  |
| SCALE: SHEET OF SHEETS STA. TO STA.   |                             |            |           |   |   |                    |               |                           |              |  |







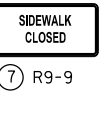



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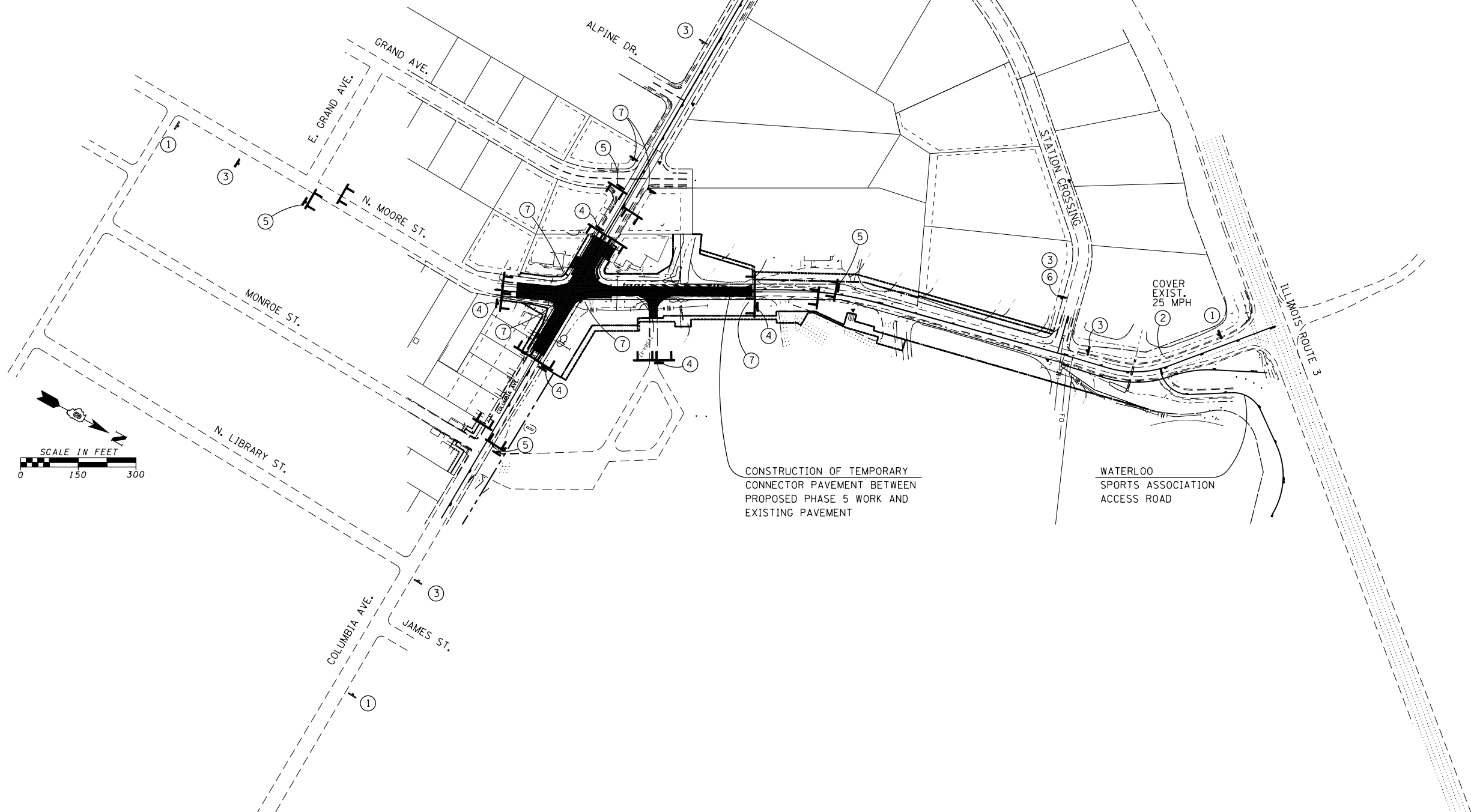
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|         | STRUCTURE |      |
|         | NOTATIONS |      |
|         | CPAD      |      |
|         | NO.       |      |



|   |                    |            |           |   |   |                           |                |        |              |           |
|---|--------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = kjones | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN &amp; PROFILE:</b><br><b>1002+00 TO 1004+50</b><br><b>COLUMBIA AVE.</b> | F.A. R.T.E.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-27-PPC.dwg | DRN                | REVISED -  | REVISED - |   |   | 9315                      | 15-00032-04-PV | MONROE | 182          | 27        |
| PLOT SCALE = 20.0000' / in.   | CHECKED -          | REVISED -  | REVISED - |   |   | CONTRACT NO. 97717        |                |        |              |           |
| Default   | DATE -             | REVISED -  | REVISED - |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |

 ① ROAD CONSTRUCTION AHEAD W20-1103(0)-48  
 ② 20 MPH W13-1(0)-2424  
 ③ ROAD CLOSED AHEAD W20-3(0)-48  
 ④ ROAD CLOSED TO THRU TRAFFIC R11-2  
 ⑤ ROAD CLOSED R11-4  
 ⑥ M6-1  
 ⑦ R9-9 SIDEWALK CLOSED

† SIGN, OR SIGNS  AGGREGATE FOR TEMP. ACCESS  
 ⚡ FLASHING LIGHT  
 ○ TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT  
 † TYPE III BARRICADE OR DRUM WITH FLASHING LIGHT



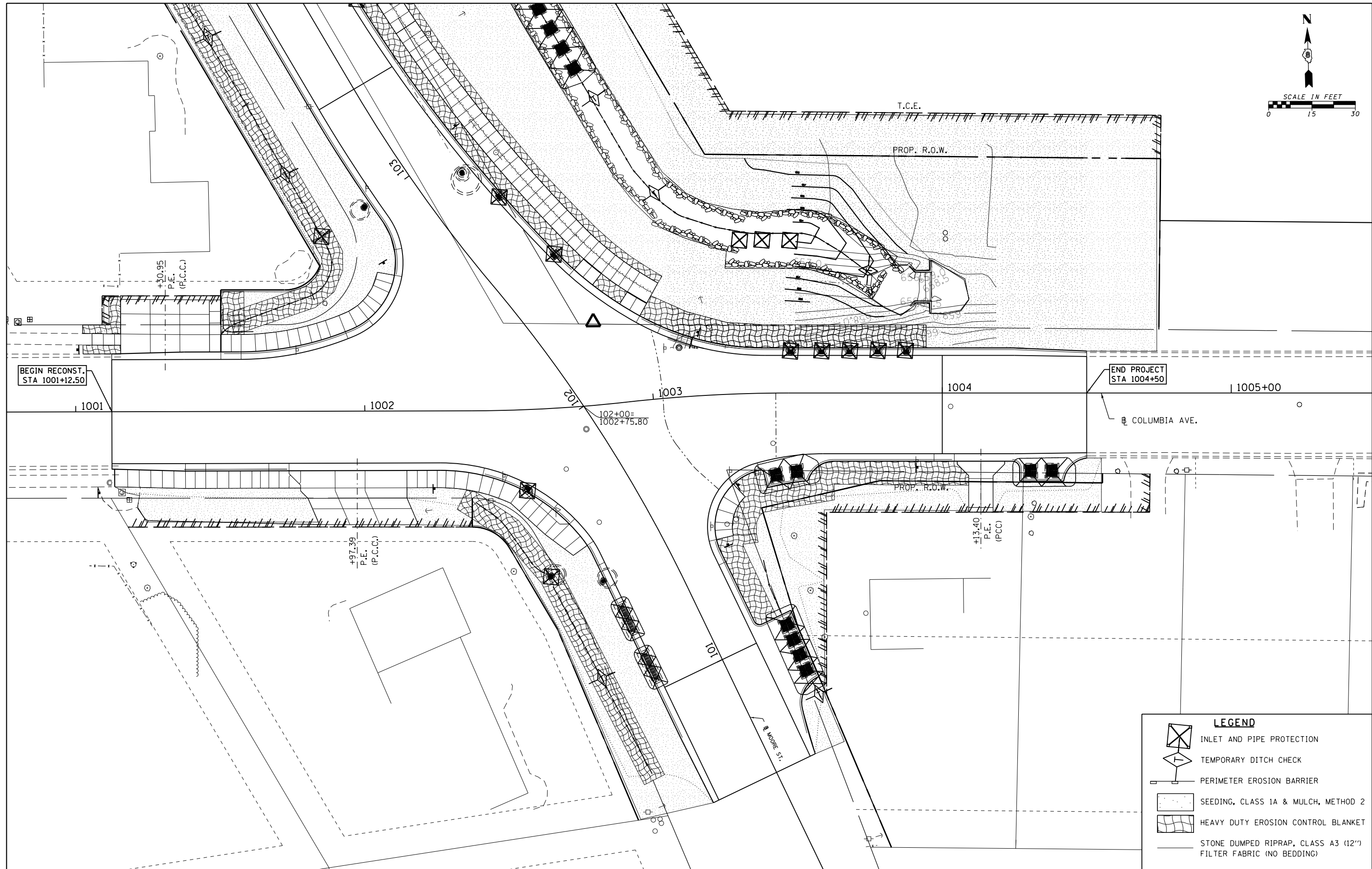
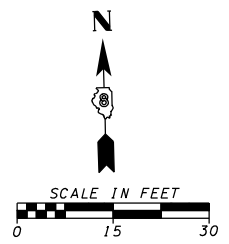
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| Default   | PLOT SCALE = 300.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021        | DATE -     | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL**

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

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 28        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



| LEGEND |  |
|--------|--|
|        | INLET AND PIPE PROTECTION                                      |
|        | TEMPORARY DITCH CHECK  |
|        | PERIMETER EROSION BARRIER                                      |
|        | SEEDING, CLASS 1A & MULCH, METHOD 2                            |
|        | HEAVY DUTY EROSION CONTROL BLANKET                             |
|        | STONE DUMPED RIPRAP, CLASS A3 (12") FILTER FABRIC (NO BEDDING) |

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = kjones          | DESIGNED - | REVISED - |
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| Default  | PLOT SCALE = 30.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

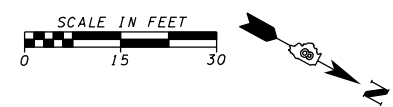
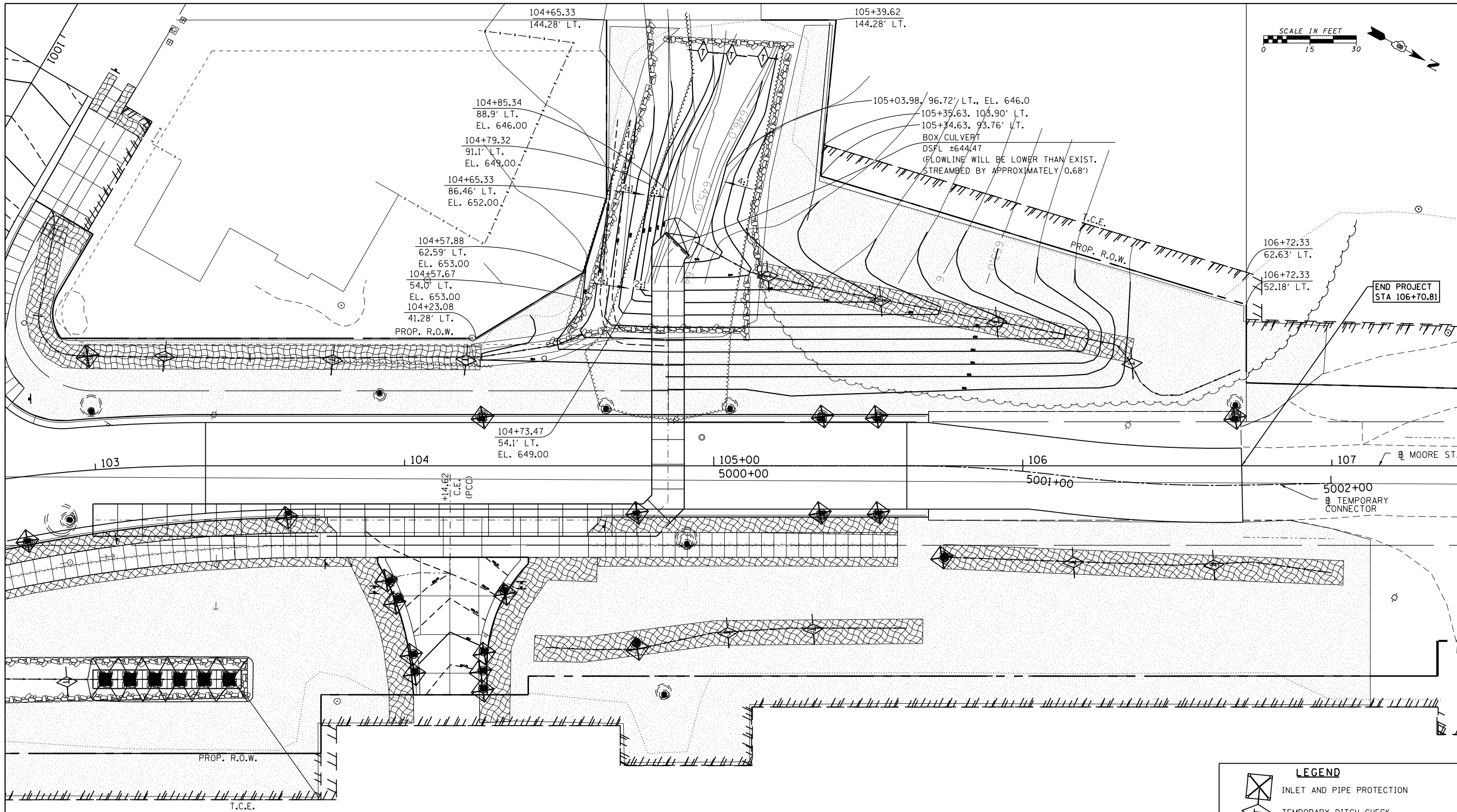
**EROSION CONTROL:  
1001+00 TO 1004+50  
COLUMBIA AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO.          |
|-----------|----------------|--------|--------------|--------------------|
| 9315      | 15-00032-04-PV | MONROE | 132          | 29                 |
|           |                |        |              | CONTRACT NO. 97717 |

ILLINOIS FED. AID PROJECT





**LEGEND**

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1A & MULCH, METHOD 2
- HEAVY DUTY EROSION CONTROL BLANKET
- STONE DUMPED RIPRAP, CLASS A3 (12") FILTER FABRIC (NO BEDDING)

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
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| Default   | PLOT SCALE = 30.0000' / in. | DATE -     | REVISED - |
|   | PLOT DATE = 3/30/2021       |            |           |

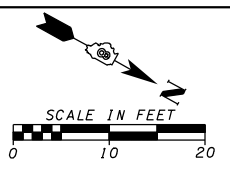
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL:  
102 + 75 TO 106 + 70.81  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

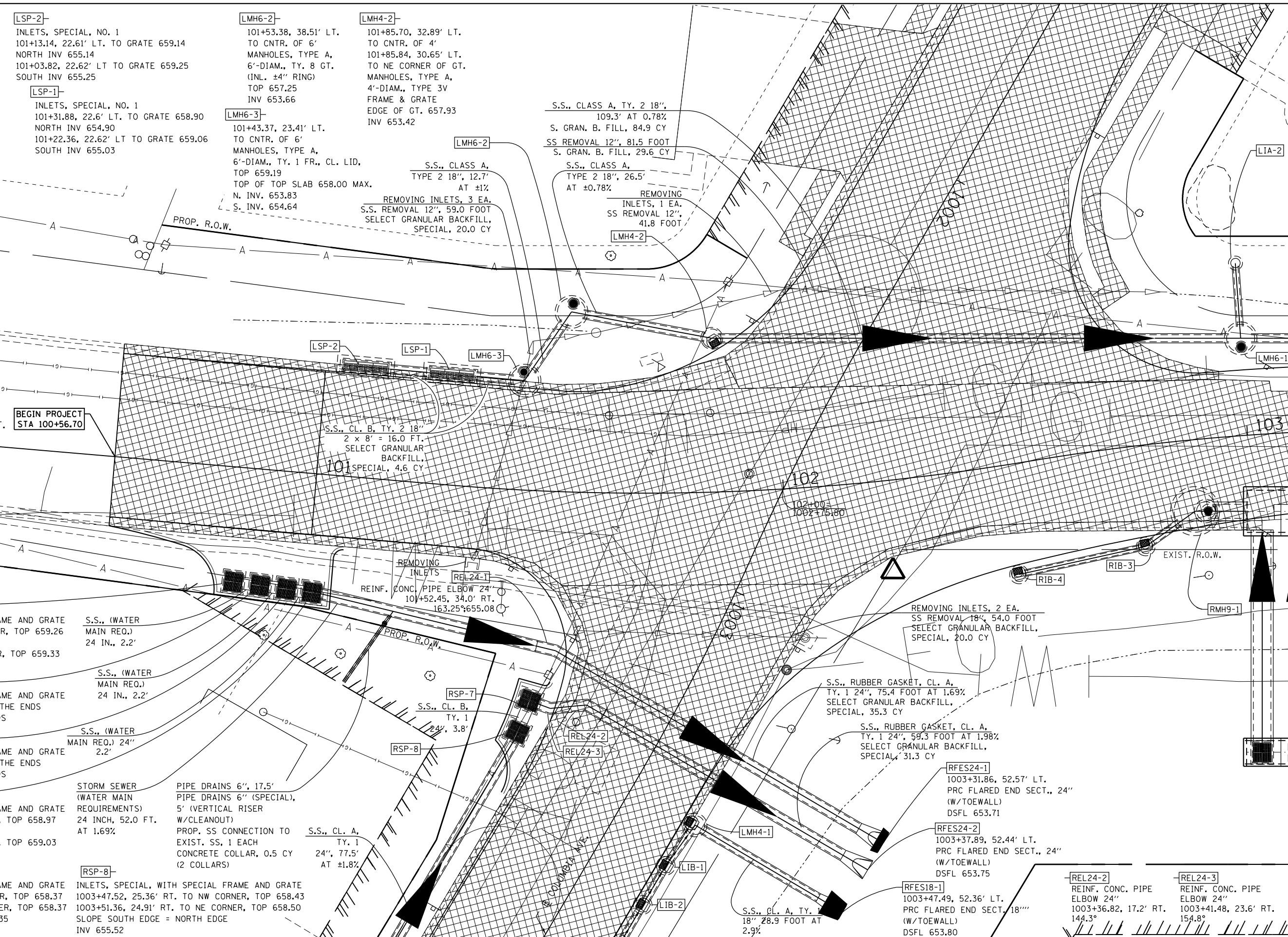
| F.A. RTE.    | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|----------------|--------|--------------|-----------|
| 9315         | 15-00032-04-PV | MONROE | 132          | 30        |
| CONTRACT NO. |                |        | 97717        |           |

ILLINOIS FED. AID PROJECT



**LEGEND**

|  |  |
|--|--|
|  | PAVEMENT, CURB & GUTTER, DRIVEWAY PAVEMENT REMOVAL |
|--|--|



- RSP-14**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
100+86.22, 22.60' RT. TO NW CORNER, TOP 659.26  
NORTH INV ±656.19  
100+82.16, 22.41' RT. TO SW CORNER, TOP 659.33  
SOUTH INV. 656.26
- RSP-13**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
POSITION IN LINE WITH INLETS ON THE ENDS  
SLOPE BETWEEN INLETS ON THE ENDS
- RSP-12**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
POSITION IN LINE WITH INLETS ON THE ENDS  
SLOPE BETWEEN INLETS ON THE ENDS
- RSP-11**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
101+03.27, 23.4' RT. TO NW CORNER, TOP 658.97  
NORTH INV ±655.97  
100+99.31, 23.2' RT. TO SW CORNER, TOP 659.03  
SOUTH INV. 656.04
- RSP-7**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
1003+39.89, 26.7' RT. TO NW CORNER, TOP 658.37  
1003+43.90, 25.97' RT. TO NE CORNER, TOP 658.37  
SOUTH EDGE OF TOP OF INLET 658.35  
INV 655.35

- S.S., (WATER MAIN REQ.)  
24 IN., 2.2'
- S.S., (WATER MAIN REQ.)  
24 IN., 2.2'
- S.S., (WATER MAIN REQ.) 24"  
2.2'
- STORM SEWER (WATER MAIN REQUIREMENTS)  
24 INCH, 52.0 FT. AT 1.69%
- PIPE DRAINS 6", 17.5'  
PIPE DRAINS 6" (SPECIAL), 5' (VERTICAL RISER W/CLEANOUT)  
PROP. SS CONNECTION TO EXIST. SS, 1 EACH  
CONCRETE COLLAR, 0.5 CY (2 COLLARS)
- S.S., CL. A, TY. 1  
24", 77.5' AT ±1.8%
- RSP-8**  
INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
1003+47.52, 25.36' RT. TO NW CORNER, TOP 658.43  
1003+51.36, 24.91' RT. TO NE CORNER, TOP 658.50  
SLOPE SOUTH EDGE = NORTH EDGE  
INV 655.52

- LSP-2**  
INLETS, SPECIAL, NO. 1  
101+13.14, 22.61' LT. TO GRATE 659.14  
NORTH INV 655.14  
101+03.82, 22.62' LT TO GRATE 659.25  
SOUTH INV 655.25
- LSP-1**  
INLETS, SPECIAL, NO. 1  
101+31.88, 22.6' LT. TO GRATE 658.90  
NORTH INV 654.90  
101+22.36, 22.62' LT TO GRATE 659.06  
SOUTH INV 655.03
- LMH6-2**  
101+53.38, 38.51' LT. TO CNTR. OF 6' MANHOLES, TYPE A, 6'-DIAM., TY. 8 GT. (INL. ±4" RING)  
TOP 657.25  
INV 653.66
- LMH6-3**  
101+43.37, 23.41' LT. TO CNTR. OF 6' MANHOLES, TYPE A, 6'-DIAM., TY. 1 FR., CL. LID, TOP 659.19  
TOP OF TOP SLAB 658.00 MAX.  
N. INV. 653.83  
S. INV. 654.64
- LMH4-2**  
101+85.70, 32.89' LT. TO CNTR. OF 4' TO 101+85.84, 30.65' LT. TO NE CORNER OF GT. MANHOLES, TYPE A, 4'-DIAM., TYPE 3V FRAME & GRATE  
EDGE OF GT. 657.93  
INV 653.42
- S.S., CLASS A, TY. 2 18", 109.3' AT 0.78%  
S. GRAN. B. FILL, 84.9 CY  
SS REMOVAL 12", 81.5 FOOT  
S. GRAN. B. FILL, 29.6 CY
- S.S., CLASS A, TY. 2 18", 26.5' AT ±0.78%
- REMOVING INLETS, 3 EA.  
S.S. REMOVAL 12", 59.0 FOOT  
SELECT GRANULAR BACKFILL, SPECIAL, 20.0 CY
- REMOVING INLETS, 1 EA.  
SS REMOVAL 12", 41.8 FOOT
- S.S., CL. B, TY. 2 18"  
2 x 8' = 16.0 FT.  
SELECT GRANULAR BACKFILL, SPECIAL, 4.6 CY
- REMOVING INLETS
- REINFC. CONC. PIPE ELBOW 24"  
101+52.45, 34.0' RT.  
163.25±655.08
- REMOVING INLETS, 2 EA.  
SS REMOVAL 18", 54.0 FOOT  
SELECT GRANULAR BACKFILL, SPECIAL, 20.0 CY
- S.S., RUBBER GASKET, CL. A, TY. 1 24", 75.4 FOOT AT 1.69%  
SELECT GRANULAR BACKFILL, SPECIAL, 35.3 CY
- S.S., RUBBER GASKET, CL. A, TY. 1 24", 59.3 FOOT AT 1.98%  
SELECT GRANULAR BACKFILL, SPECIAL, 31.3 CY
- RFES24-1**  
1003+31.86, 52.57' LT.  
PRC FLARED END SECT., 24"  
(W/TOEWALL)  
DSFL 653.71
- RFES24-2**  
1003+37.89, 52.44' LT.  
PRC FLARED END SECT., 24"  
(W/TOEWALL)  
DSFL 653.75
- RFES18-1**  
1003+47.49, 52.36' LT.  
PRC FLARED END SECT., 18"  
(W/TOEWALL)  
DSFL 653.80
- REL24-1**  
REINFC. CONC. PIPE ELBOW 24"
- REL24-2**  
REINFC. CONC. PIPE ELBOW 24"
- REL24-3**  
REINFC. CONC. PIPE ELBOW 24"

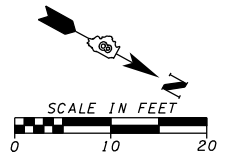
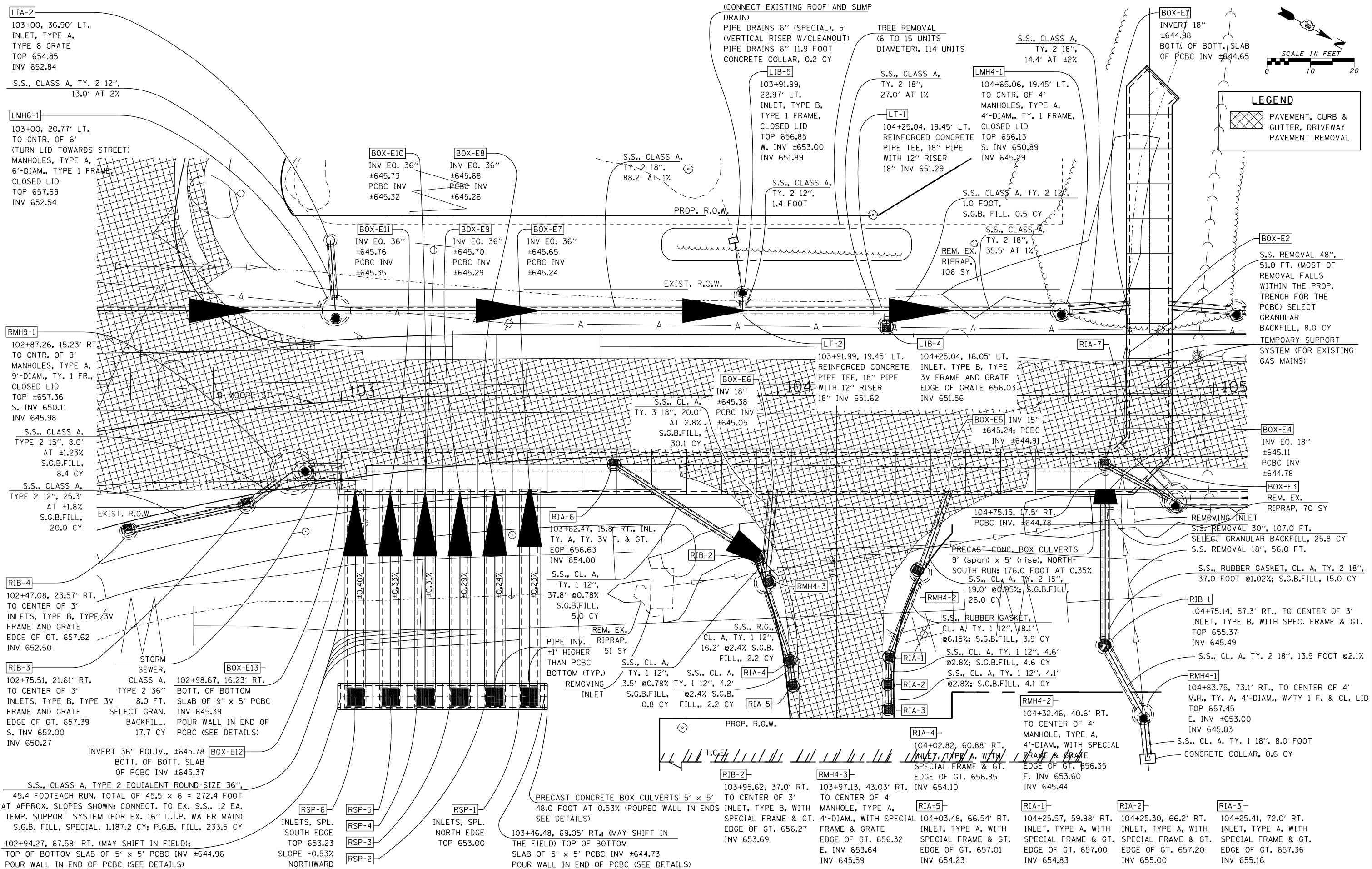
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| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -        | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -           | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:  
100 + 00 TO 102 + 87.50  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTÉ.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 9315                      | 15-00032-04-PV | MONROE | 132                | 31        |
| ILLINOIS FED. AID PROJECT |                |        | CONTRACT NO. 97717 |           |



**LEGEND**

|  |                                   |
|--|-----------------------------------|
|  | PAVEMENT, CURB & GUTTER, DRIVEWAY |
|  | PAVEMENT REMOVAL                  |

|  |                       |
|--|-----------------------|
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| Default  | PLOT DATE = 3/30/2021 |



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| DESIGNED = | REVISED = |
| REVISIONS  | REVISIONS |
| CHECKED =  | REVISIONS |
| DATE =     | REVISIONS |

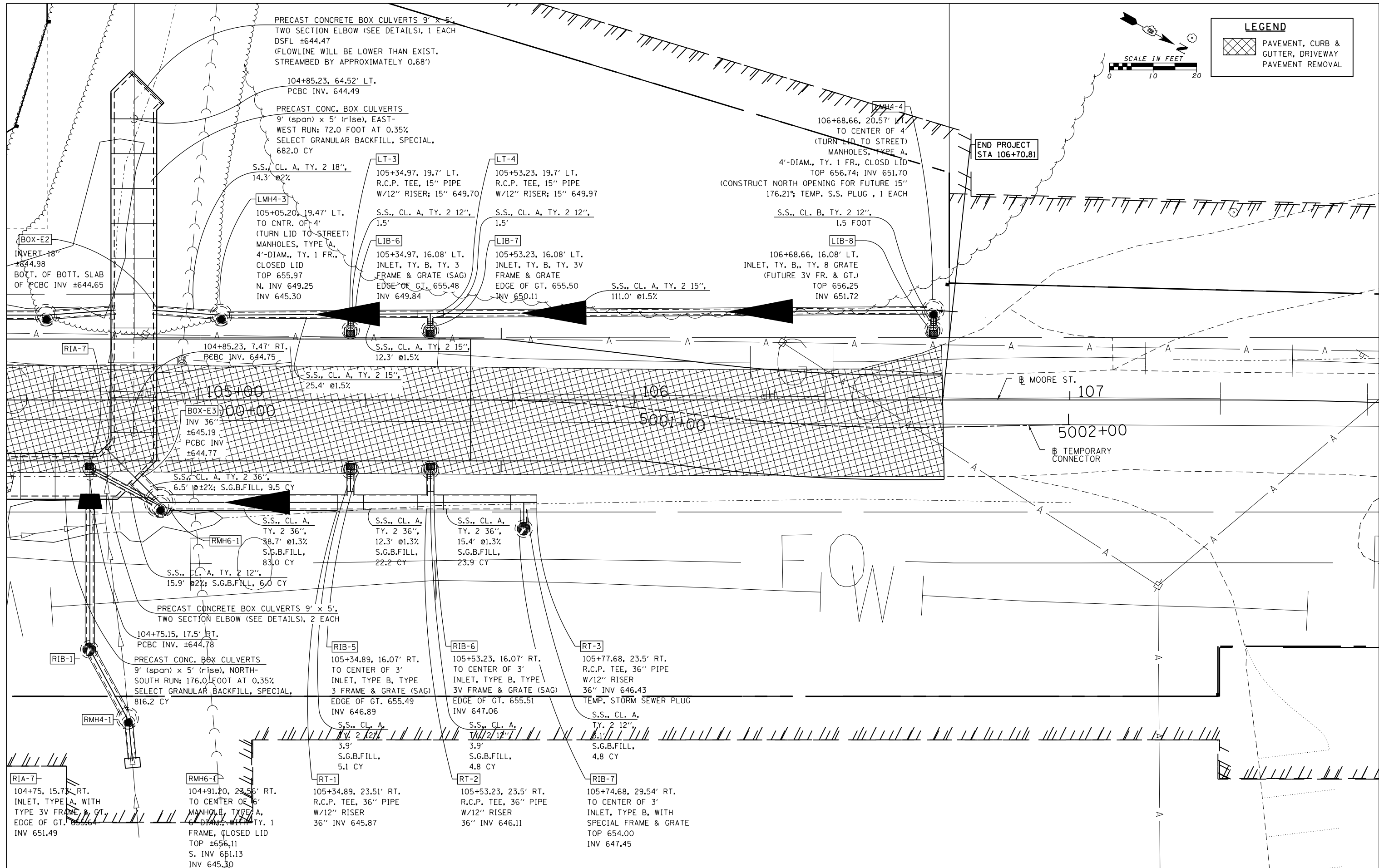
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |       |           |              |
|--|-------|-----------|--------------|
| <b>REMOVALS AND STORM SEWER:<br/>102 + 87.50 TO 104 + 80<br/>MOORE ST.</b> |       |           |              |
| SCALE:   | SHEET | OF SHEETS | STA. TO STA. |

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 32        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

**LEGEND**

 PAVEMENT, CURB & GUTTER, DRIVEWAY  
 PAVEMENT REMOVAL



|   |                             |                    |           |
|---|-----------------------------|--------------------|-----------|
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|   | PLOT DATE = 3/30/2021       | DATE -             | REVISED - |

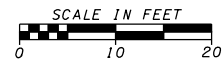
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:**  
**104 + 80 TO 106 + 70.81**  
**MOORE ST.**

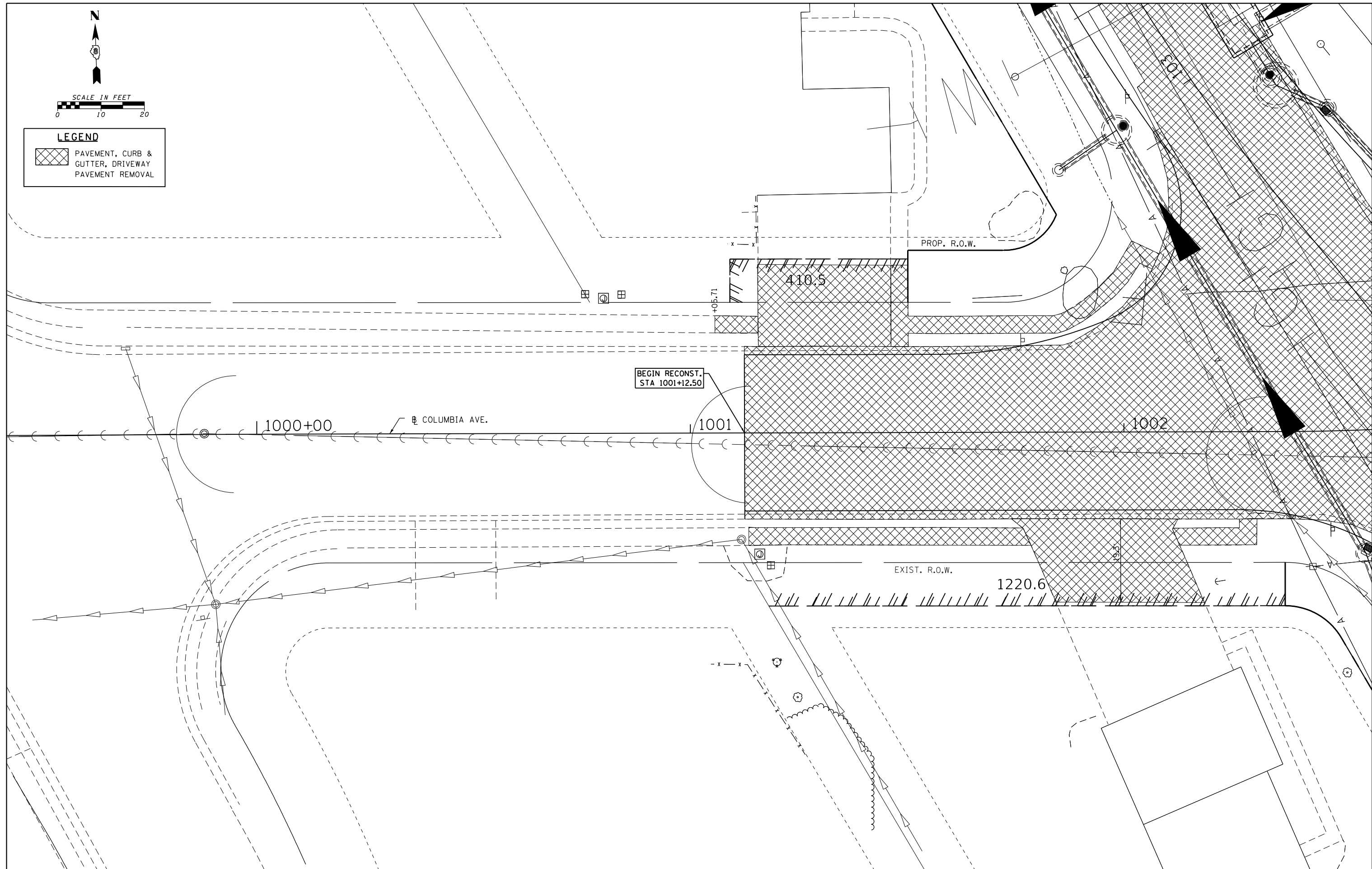
SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 33        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |





| LEGEND |                                   |
|--------|-----------------------------------|
|        | PAVEMENT, CURB & GUTTER, DRIVEWAY |
|        | PAVEMENT REMOVAL                  |



|  |                             |                                  |           |
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| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -                        | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -                           | REVISED - |

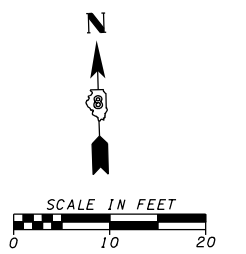
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:  
1001 + 12.50 TO 1002 + 50  
COLUMBIA AVE.**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------|--------|--------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132          | 34        |
| CONTRACT NO. 97717 |                |        |              |           |

ILLINOIS FED. AID PROJECT



**LEGEND**

PAVEMENT, CURB & GUTTER, DRIVEWAY  
 PAVEMENT REMOVAL

- LIB-1 1003+58.16, 14.71' LT. TO CNTR. OF 3' INLETS, TYPE B, TYPE 3V FR. & GT. EDGE OF GT. 658.91 INV 655.17
- LIB-2 1003+67.90, 14.71' LT. TO CNTR. OF 3' INLETS, TYPE B, TYPE 3V FR. & GT. EDGE OF GT. 659.07 INV 655.45
- LIB-3 1003+77.64, 14.73' LT. TO CNTR. OF 3' INLETS, TYPE B, TYPE 3V FR. & GT. EDGE OF GT. 659.59 INV 655.75
- LIA-1 1003+87.51, 14.74' LT. INLETS, TYPE A, TYPE 3V FR. & GT. EDGE OF GT. 659.95 INV 655.95

LMH4-1  
 1003+47.47, 15.74' LT. TO CNTR. OF 6' MANHOLES, TYPE A, 4'-DIAM., TY. 3V F. & GT. EDGE OF GT. 658.61 INV 654.87

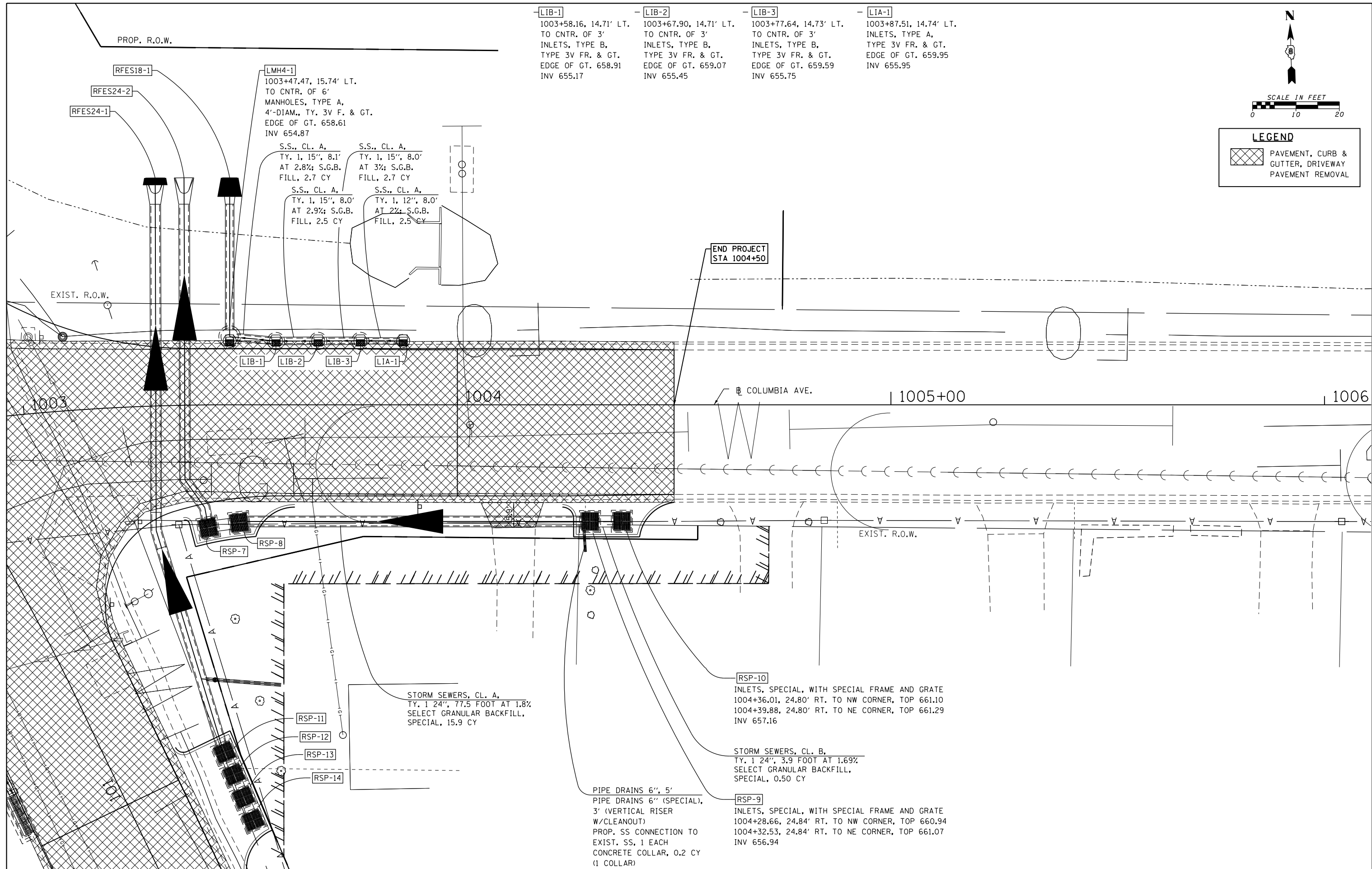
S.S., CL. A, TY. 1, 15", 8.1' AT 2.8% S.G.B. FILL, 2.7 CY

S.S., CL. A, TY. 1, 15", 8.0' AT 3% S.G.B. FILL, 2.7 CY

S.S., CL. A, TY. 1, 15", 8.0' AT 2.9% S.G.B. FILL, 2.5 CY

S.S., CL. A, TY. 1, 12", 8.0' AT 2% S.G.B. FILL, 2.5 CY

END PROJECT STA 1004+50



STORM SEWERS, CL. A, TY. 1 24", 77.5 FOOT AT 1.8% SELECT GRANULAR BACKFILL, SPECIAL, 15.9 CY

RSP-10  
 INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
 1004+36.01, 24.80' RT. TO NW CORNER, TOP 661.10  
 1004+39.88, 24.80' RT. TO NE CORNER, TOP 661.29  
 INV 657.16

STORM SEWERS, CL. B, TY. 1 24", 3.9 FOOT AT 1.69% SELECT GRANULAR BACKFILL, SPECIAL, 0.50 CY

PIPE DRAINS 6", 5'  
 PIPE DRAINS 6" (SPECIAL), 3' (VERTICAL RISER W/CLEANOUT)  
 PROP. SS CONNECTION TO EXIST. SS, 1 EACH  
 CONCRETE COLLAR, 0.2 CY (1 COLLAR)

RSP-9  
 INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE  
 1004+28.66, 24.84' RT. TO NW CORNER, TOP 660.94  
 1004+32.53, 24.84' RT. TO NE CORNER, TOP 661.07  
 INV 656.94

|   |                             |                    |           |
|---|-----------------------------|--------------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED -         | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_35_P1.dwg |                             | DRAWN = SS&Rem.dgn | REVISED - |
| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -          | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -             | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:  
 1003+00 TO 1005+00  
 COLUMBIA AVE.**

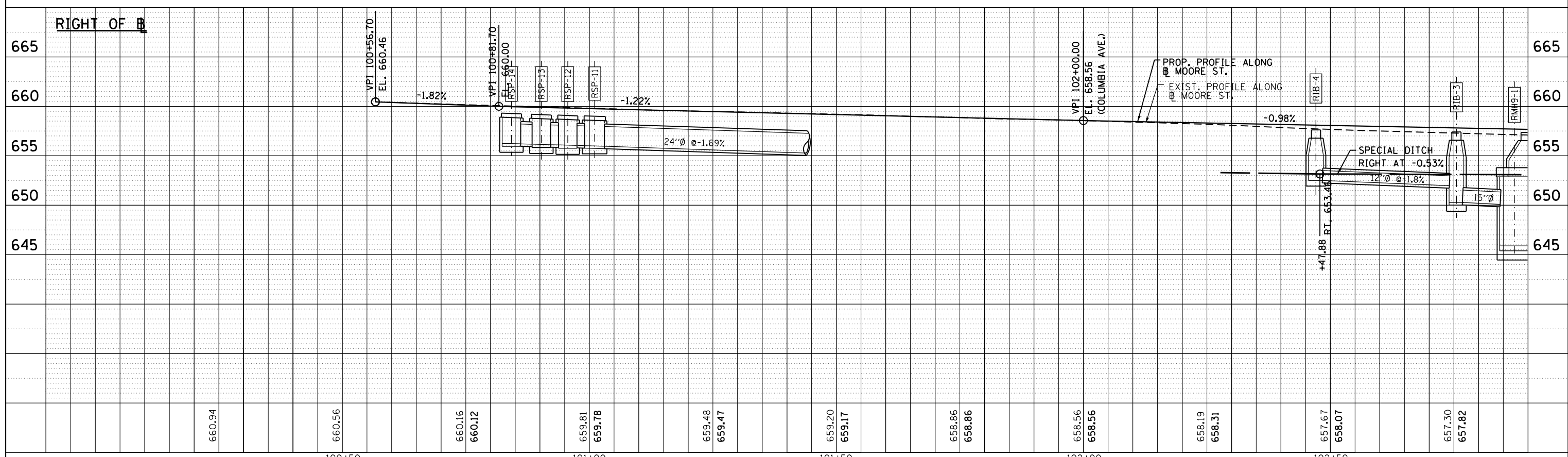
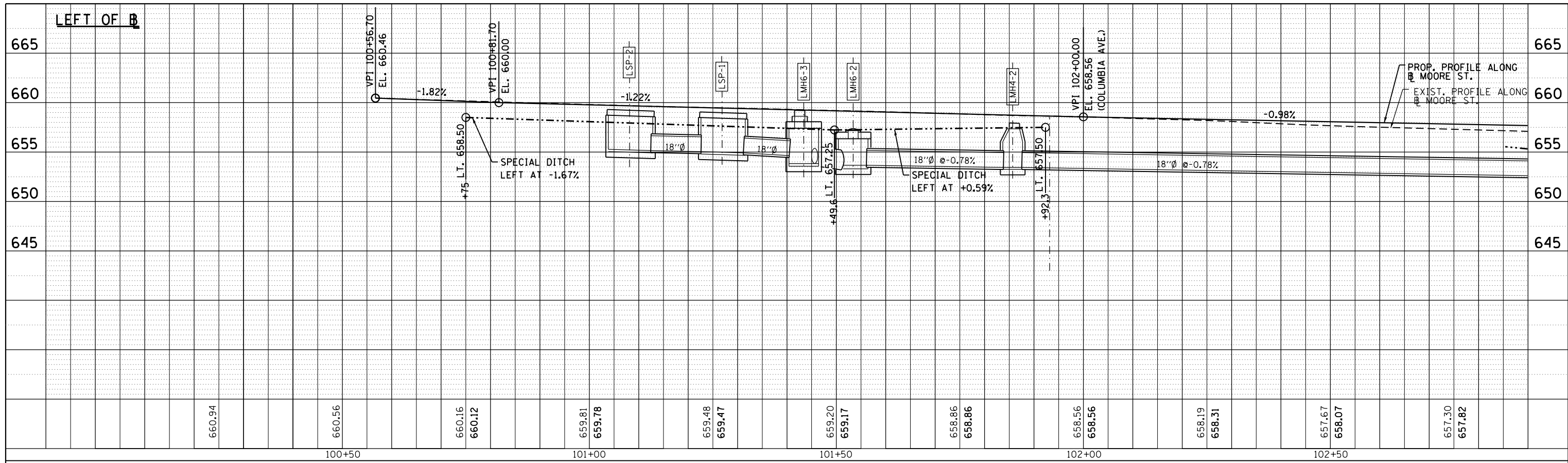
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|--------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                | 35        |
|           |                |        | CONTRACT NO. 97717 |           |

ILLINOIS FED. AID PROJECT

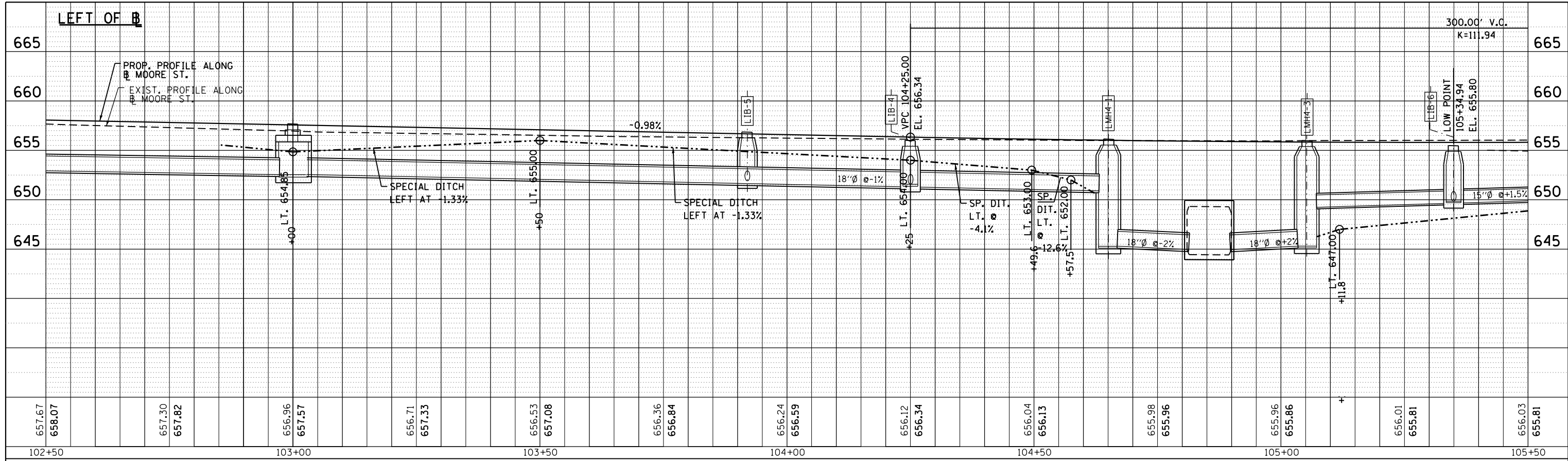
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|      | PLOTTED                     | BY   |
|      | GRADES CHECKED              |      |
|      | STRUCTURE NOTATIONS CHECKED |      |
|      | NOTE BOOK NO.               |      |
|      | CADD FILE NAME              |      |

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

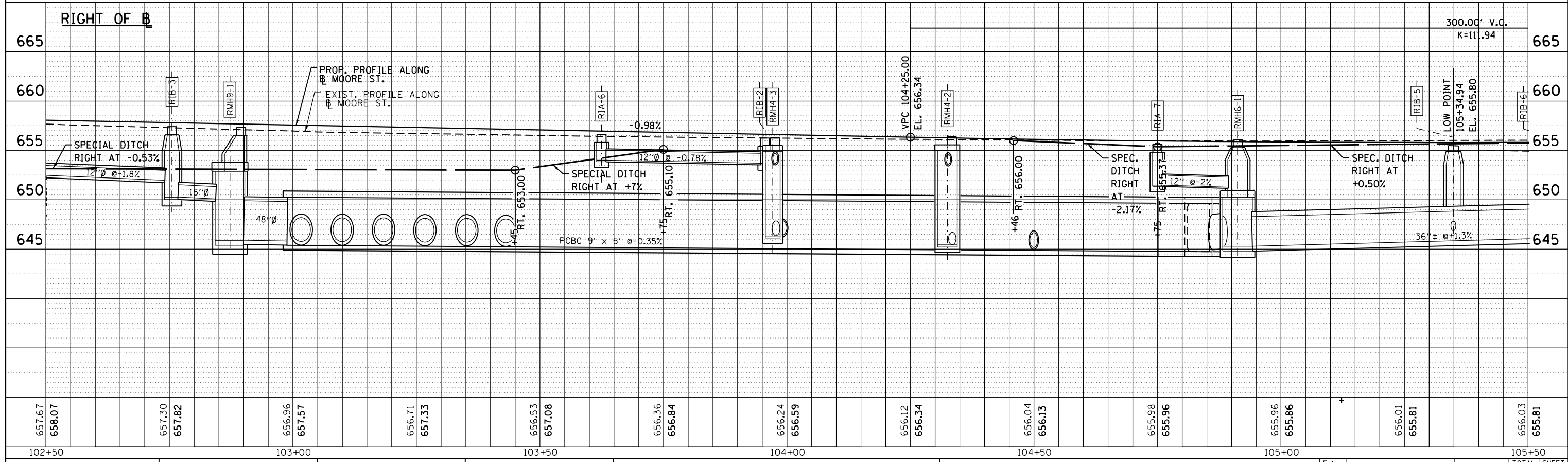


|   |                     |            |           |   |   |                           |                |        |              |           |
|---|---------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = k_jones | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE SYSTEM PROFILES:</b><br><b>100+00 TO 102+90</b><br><b>MOORE ST.</b> | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-36-SSP-DRAWN.dgn |                     | DRAWN -    | REVISED - |   |   | 9315                      | 15-00032-04-PV | MONROE | 132          | 36        |
| PLOT SCALE = 20.0000' / in.   |                     | CHECKED -  | REVISED - |   |   | CONTRACT NO. 9717         |                |        |              |           |
| Default   |                     | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |

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



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

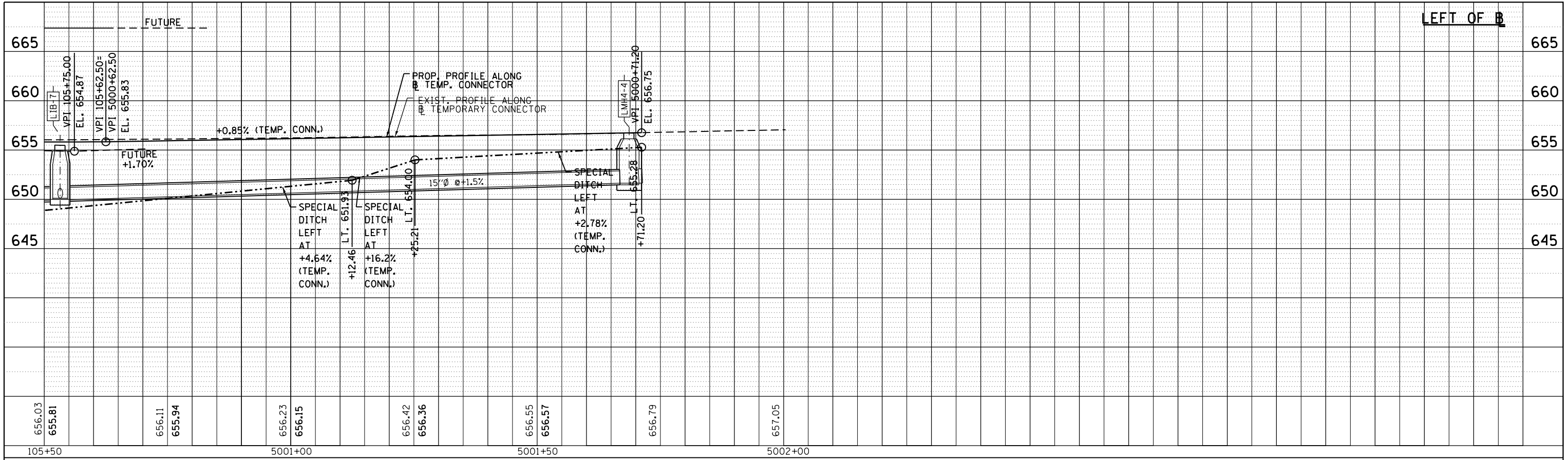


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|---|-----------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = k.jones   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE SYSTEM PROFILES:</b><br><b>102 + 90 TO 105 + 50</b><br><b>MOORE ST.</b> | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-37-SSP-DRAWN.dgn | PLotted               | CHECKED -  | REVISED - |   |   | 9315                      | 15-00032-04-PV | MONROE | 132          | 37        |
| PLOT SCALE = 20.0000' / in.   | DATE                  | DATE       | DATE      |   |   | CONTRACT NO. 9717         |                |        |              |           |
| Default   | PLOT DATE = 3/30/2021 | DATE       | DATE      |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |

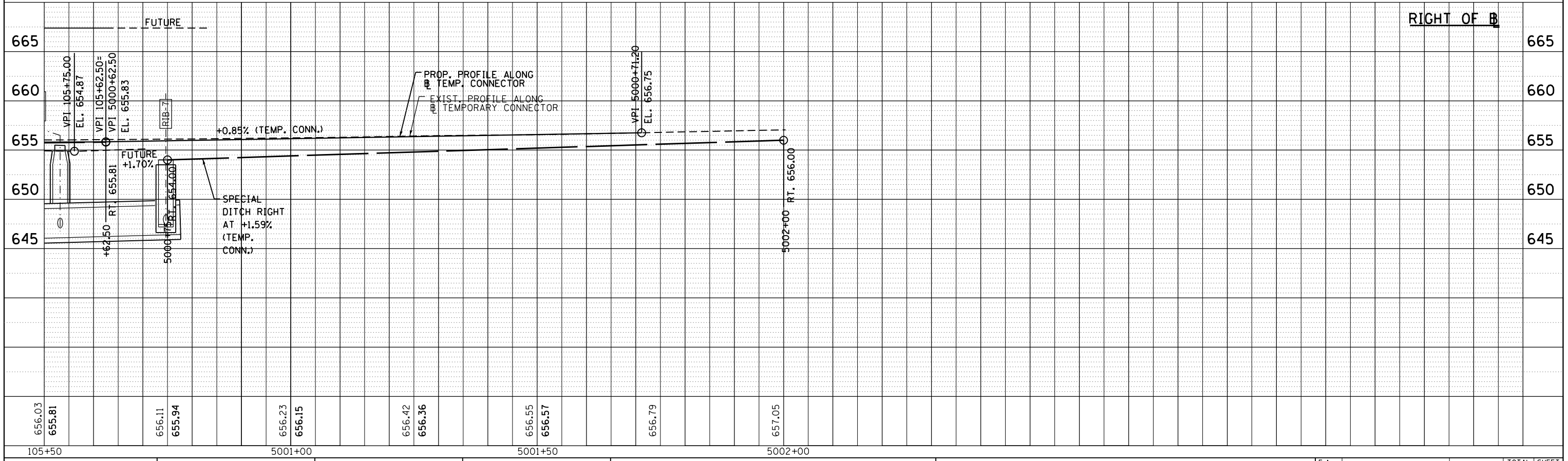
SCALE: SHEET OF SHEETS STA. TO STA.



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



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



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|  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |
| Default  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

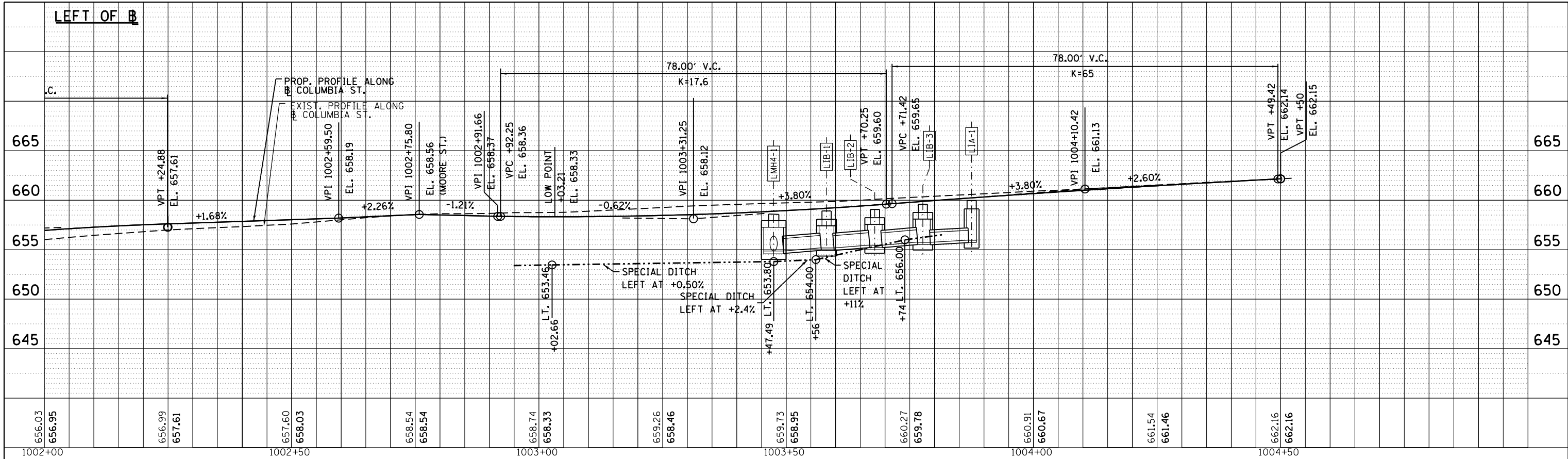
**DRAINAGE SYSTEM PROFILES:  
105+50 TO 5002+00  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

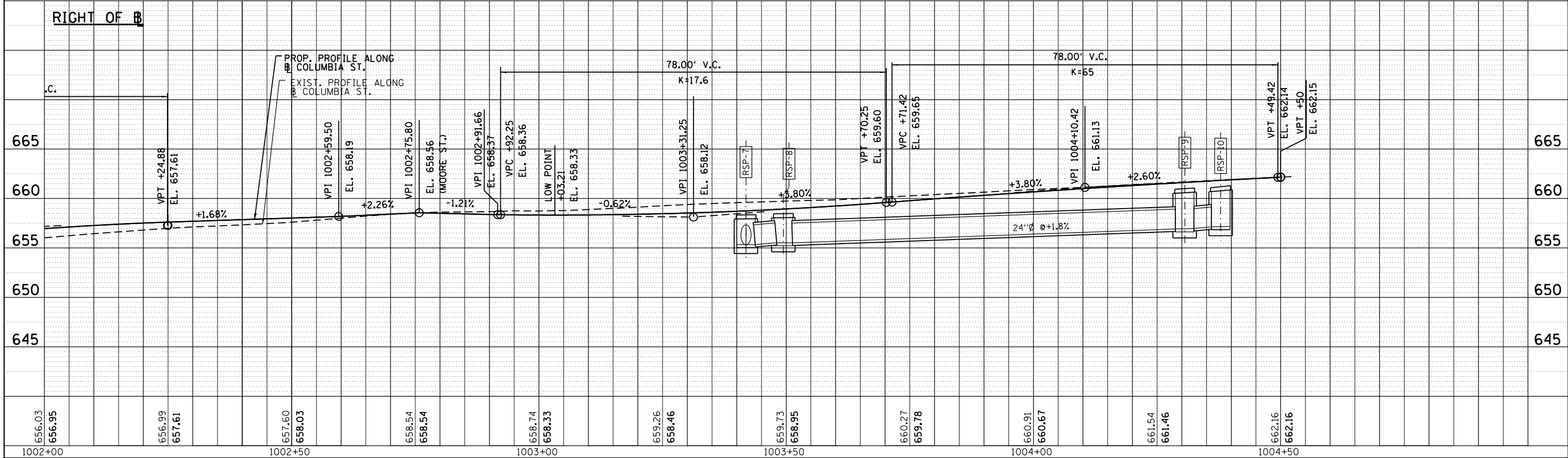
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|--------------|----------------|--------|--------------|-----------|
| F.A. RTE.    | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315         | 15-00032-04-PV | MONROE | 132          | 38        |
| CONTRACT NO. |                |        | 97717        |           |

ILLINOIS FED. AID PROJECT

|      |                |      |
|------|----------------|------|
| PLAN | SURVEYED       | DATE |
|      | PLOTTED        |      |
|      | ALIGNED        |      |
|      | CHECKED        |      |
|      | NO. _____      |      |
|      | NOTE BOOK      |      |
|      | NO. _____      |      |
|      | CARD FILE NAME |      |
|      | _____          |      |



|         |                             |      |
|---------|-----------------------------|------|
| PROFILE | SURVEYED                    | DATE |
|         | PLOTTED                     |      |
|         | GRADES CHECKED              |      |
|         | STRUCTURE NOTATIONS CHECKED |      |
|         | NO. _____                   |      |
|         | NOTE BOOK                   |      |
|         | NO. _____                   |      |
|         | STRUCTURE                   |      |
|         | NOTATIONS CHECKED           |      |
|         | NO. _____                   |      |

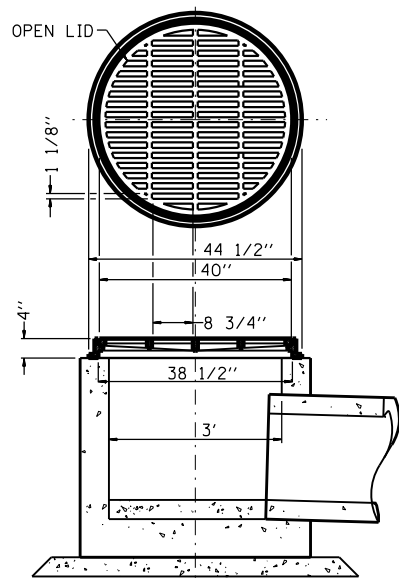


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|  |                     | CHECKED -  | REVISION  |
|  |                     | DATE -     | REVISION  |
|  |                     |            |           |

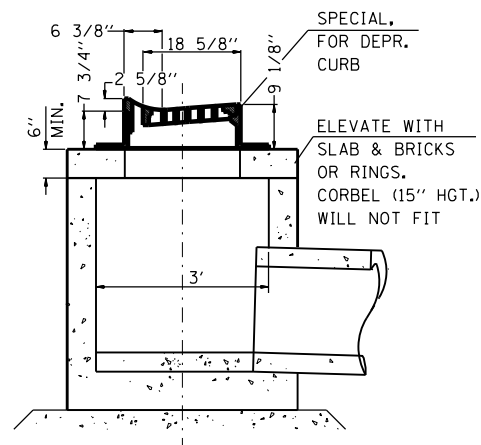
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                                  |       |           |              |
|----------------------------------|-------|-----------|--------------|
| <b>DRAINAGE SYSTEM PROFILES:</b> |       |           |              |
| <b>1002 + 00 TO 1004 + 50</b>    |       |           |              |
| <b>COLUMBIA AVE.</b>             |       |           |              |
| SCALE:                           | SHEET | OF SHEETS | STA. TO STA. |

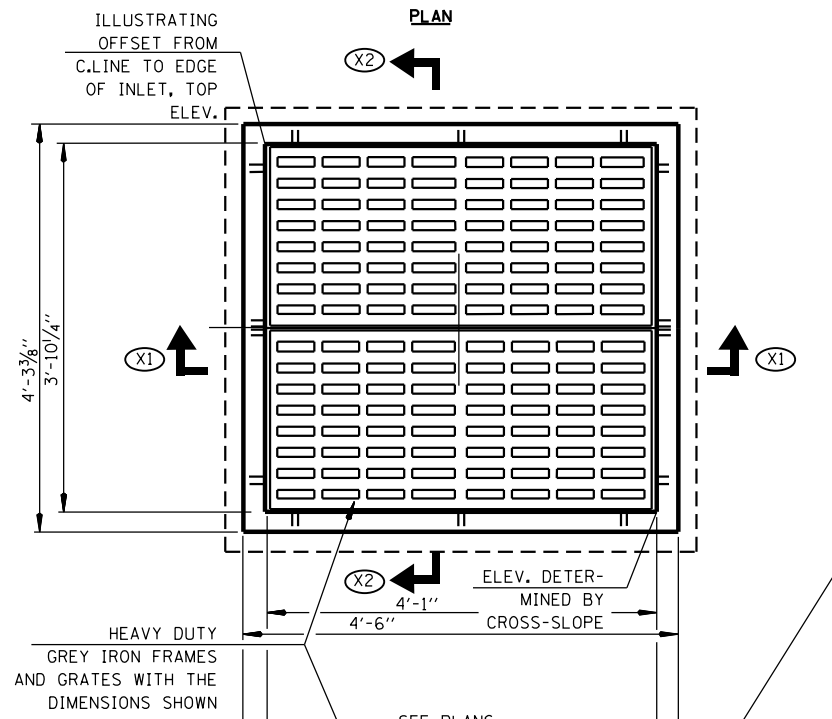
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| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 39        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



**INLETS, TYPE B WITH FRAME AND GRATE, SPECIAL**



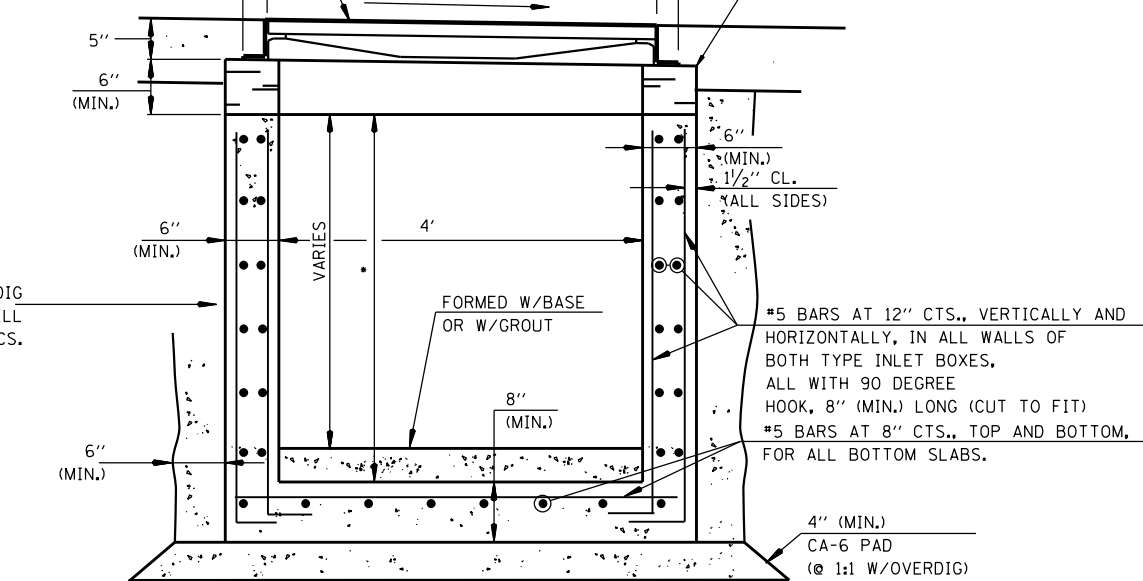
**MANHOLES, AND INLETS, TYPE A & B W/SPECIAL FRAME AND GRATE**



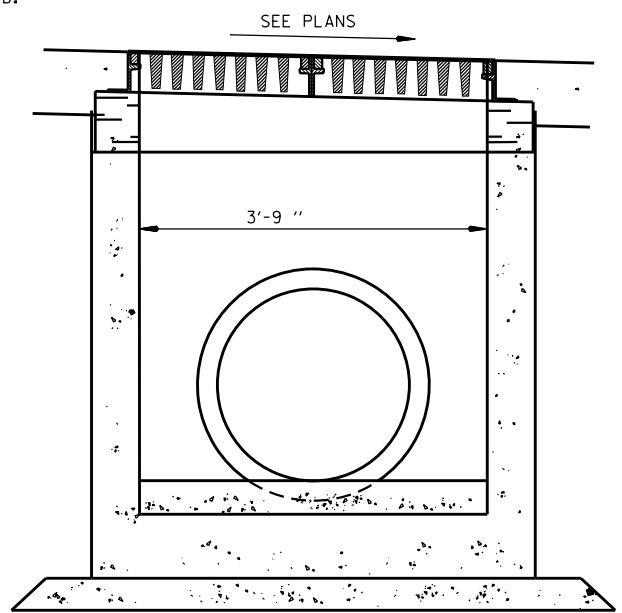
**INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE**

•CONTRACTOR HAS OPTION TO CAST ALL INLET STRUCTURES AT CONSTANT DEPTH TO FACILITATE FABRICATION.

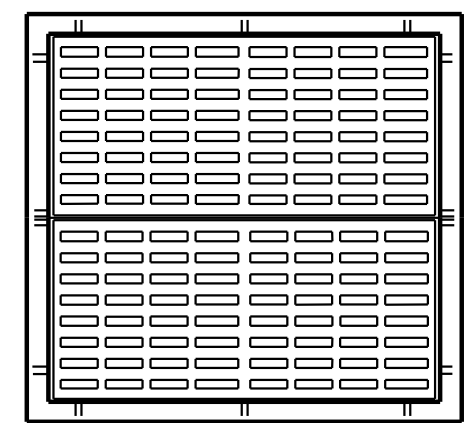
PLAN ELEVATIONS BASED ON UTILIZATION OF A MAXIMUM OF 6\"/>



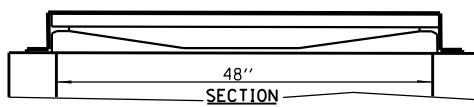
**SECTION X1 X1 (SHOWING REINF.)**



**SECTION X2 X2 (REINF. OMITTED)**

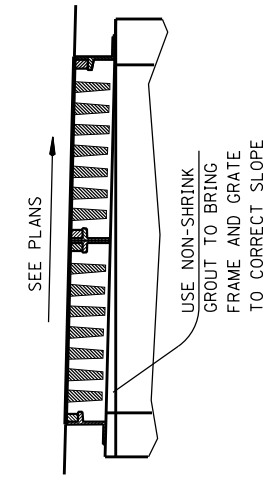


**PLATE**

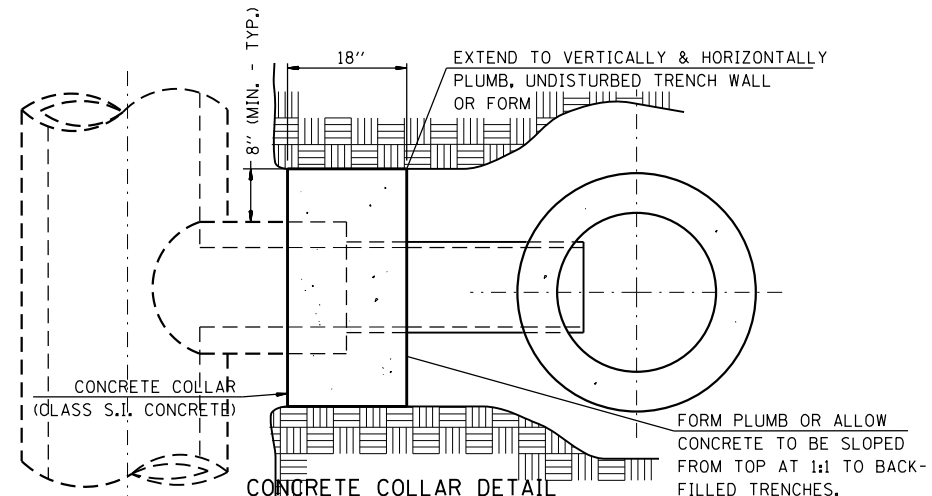


**SECTION**

**INLETS, SPECIAL (SAME FRAMES AND GRATES AS DIMENSIONED FOR 'INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE'; SEE ALSO REINFORCEMENT FOR 'INLETS, SPECIAL' SEPARATE SHEET)**



**SECTION**



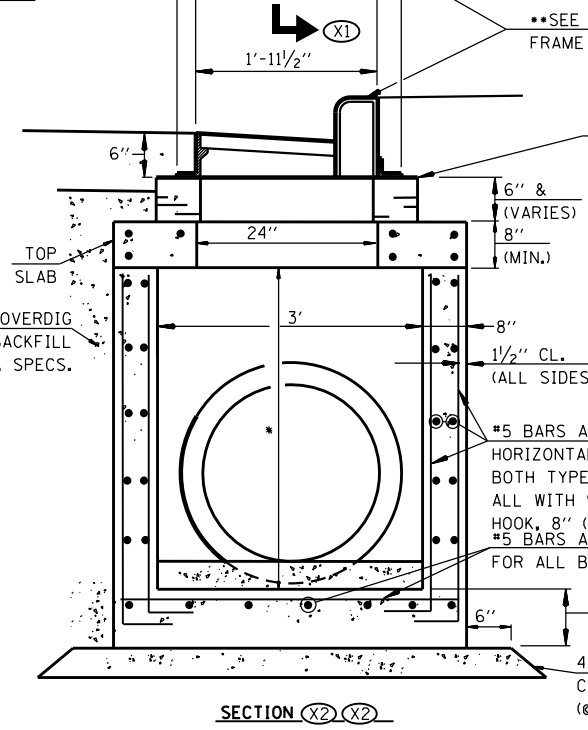
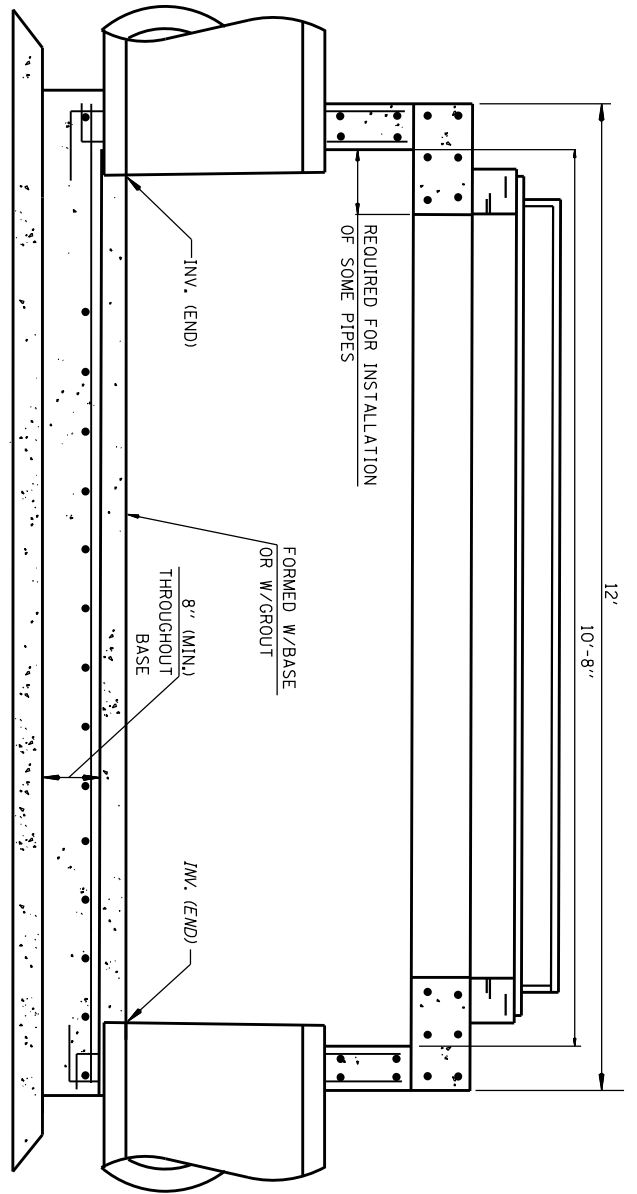
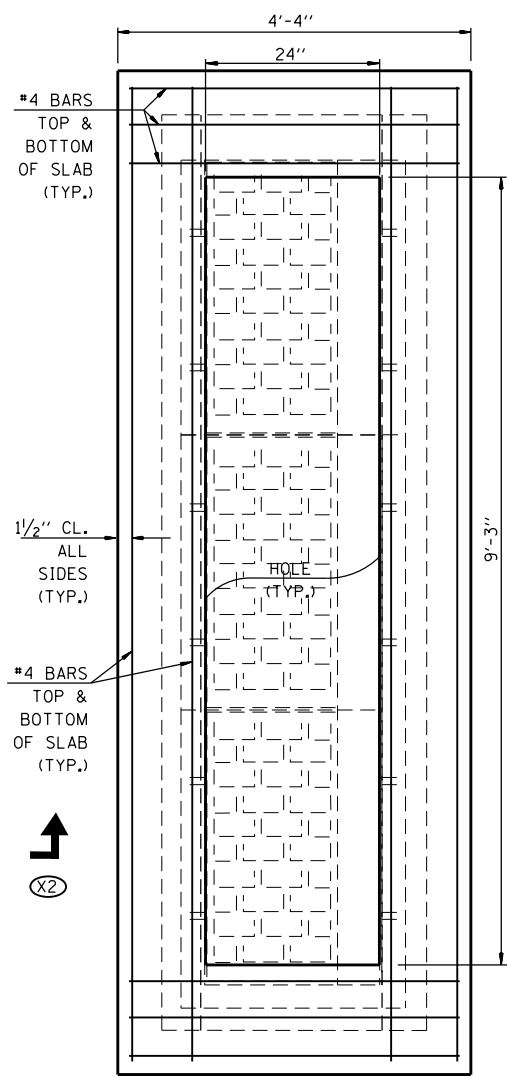
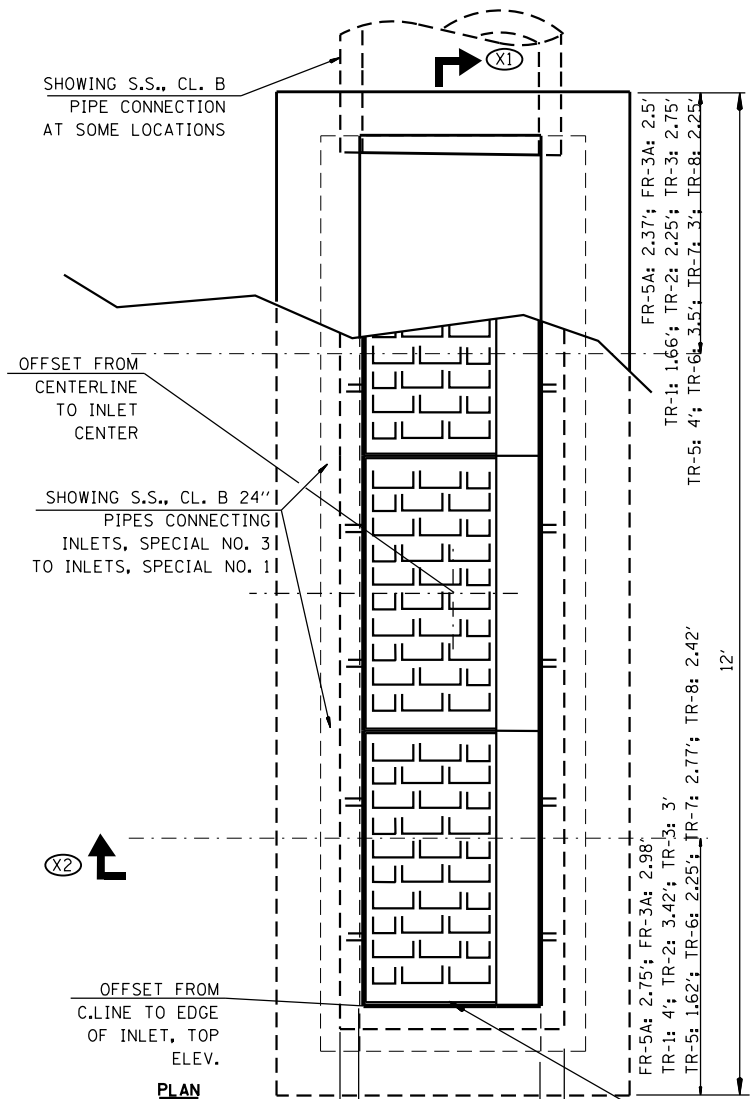
**CONCRETE COLLAR DETAIL**

|  |                             |             |             |
|--|-----------------------------|-------------|-------------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED -  | REVISED -   |
| H:\7384_Waterloo_Moore_St_FAU-Phase-V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_40_S&D.dwg | DRAWN = bill.dgn            | REVISIONS - | REVISIONS - |
| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -   | REVISIONS - |
|  | PLOT DATE = 3/30/2021       | DATE -      | REVISIONS - |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**STORM SEWER DETAILS**  
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 40        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



••SEE NOTES CONCERNING FRAME AND GRATE TYPE

PLAN ELEVATIONS BASED ON UTILIZATION OF A MAXIMUM OF 6" AT THE TOP THAT CAN BE CONC. BRICK, OR GROUT. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR NECESSARY FINAL ADJUSTMENTS AUTHORIZED IN THE FIELD.

••REGARDING FRAME AND GRATE TYPES FOR THESE INLETS, IN ADDITION TO THE DIMENSIONS SHOWN, THE FRAMES SHALL BE 118<sup>5</sup>/<sub>16</sub>" END TO END AT THE FLANGES RESTING ON THE STRUCTURE. THE FRAMES SHALL COME IN THREE (3) SECTIONS. THE GRATES SHALL BE 35<sup>1</sup>/<sub>4</sub>" x 17<sup>3</sup>/<sub>4</sub>". THE GRATES SHALL BE VANED, AS DEPICTED. THE CURB SECTIONS SHALL BE ADJUSTABLE.

**INLETS, SPECIAL NO. 1**

•CONTRACTOR HAS OPTION TO CAST ALL INLET STRUCTURES AT CONSTANT DEPTH TO FACILITATE FABRICATION.

••REGARDING FRAME AND GRATE TYPES FOR THESE INLETS, IN ADDITION TO THE DIMENSIONS SHOWN, THE FRAMES SHALL BE 118<sup>5</sup>/<sub>16</sub>" END TO END AT THE FLANGES RESTING ON THE STRUCTURE. THE FRAMES SHALL COME IN THREE (3) SECTIONS. THE GRATES SHALL BE 35<sup>1</sup>/<sub>4</sub>" x 17<sup>3</sup>/<sub>4</sub>". THE GRATES SHALL BE VANED, AS DEPICTED. THE CURB SECTIONS SHALL BE ADJUSTABLE.

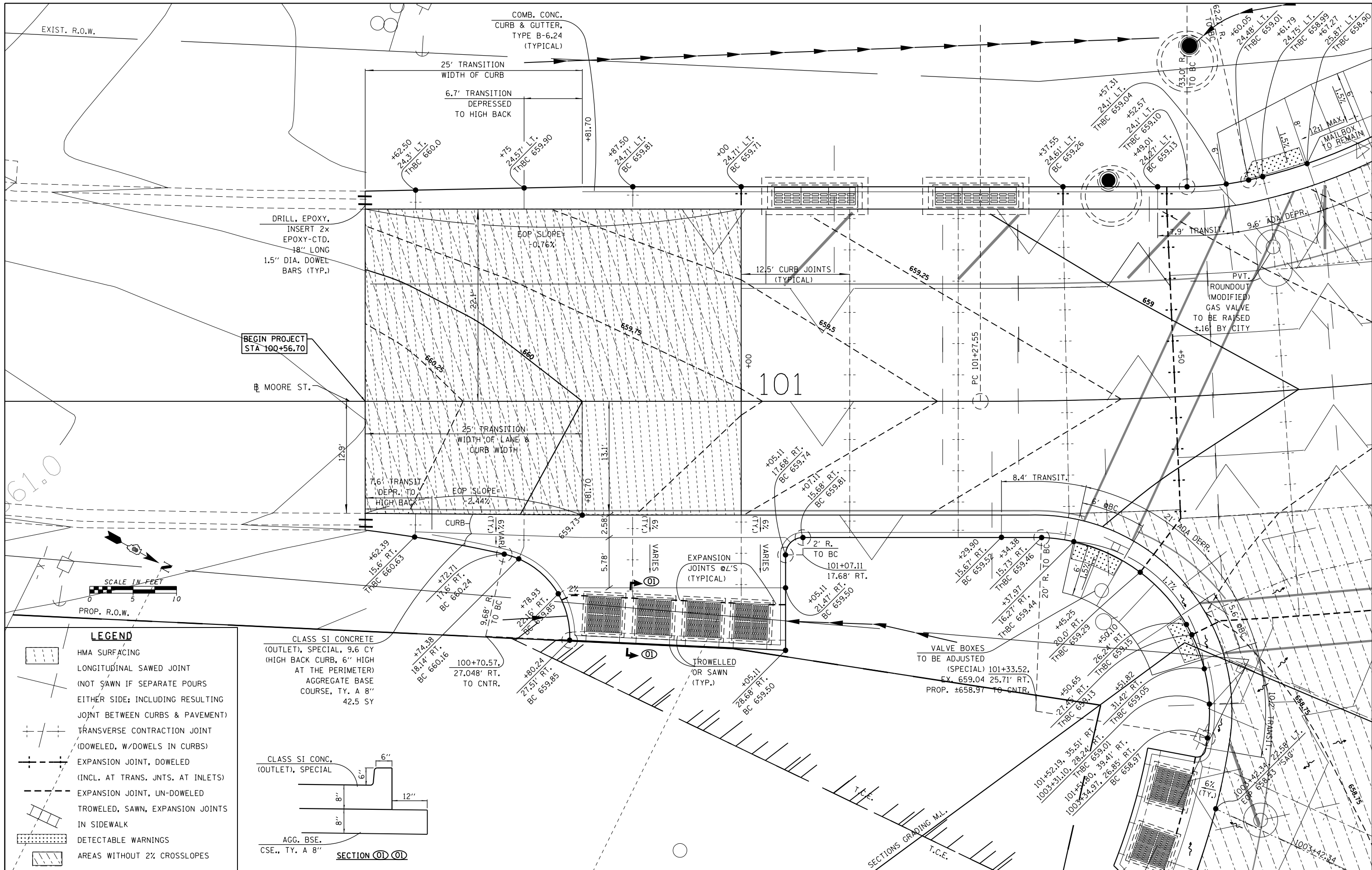
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| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISOR - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISOR - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STORM SEWER  
DETAILS**

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

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 41        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

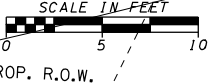


DRILL, EPOXY,  
INSERT 2x  
EPOXY-CTD.  
18" LONG  
1.5" DIA. DOWEL  
BARS (TYP.)

BEGIN PROJECT  
STA 100+56.70

MOORE ST.

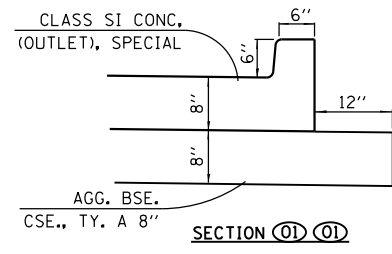
101



**LEGEND**

- HMA SURFACING
- LONGITUDINAL SAWED JOINT  
(NOT SAWN IF SEPARATE POURS  
EITHER SIDE; INCLUDING RESULTING  
JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT  
(DOWELED, W/DOWELS IN CURBS)
- EXPANSION JOINT, DOWELED  
(INCL. AT TRANS. JNTS. AT INLETS)
- EXPANSION JOINT, UN-DOWELED
- TROWELED, SAWN, EXPANSION JOINTS  
IN SIDEWALK
- DETECTABLE WARNINGS
- AREAS WITHOUT 2% CROSSSLOPES

CLASS SI CONCRETE  
(OUTLET), SPECIAL, 9.6 CY  
(HIGH BACK CURB, 6" HIGH  
AT THE PERIMETER)  
AGGREGATE BASE  
COURSE, TY. A 8"  
42.5 SY



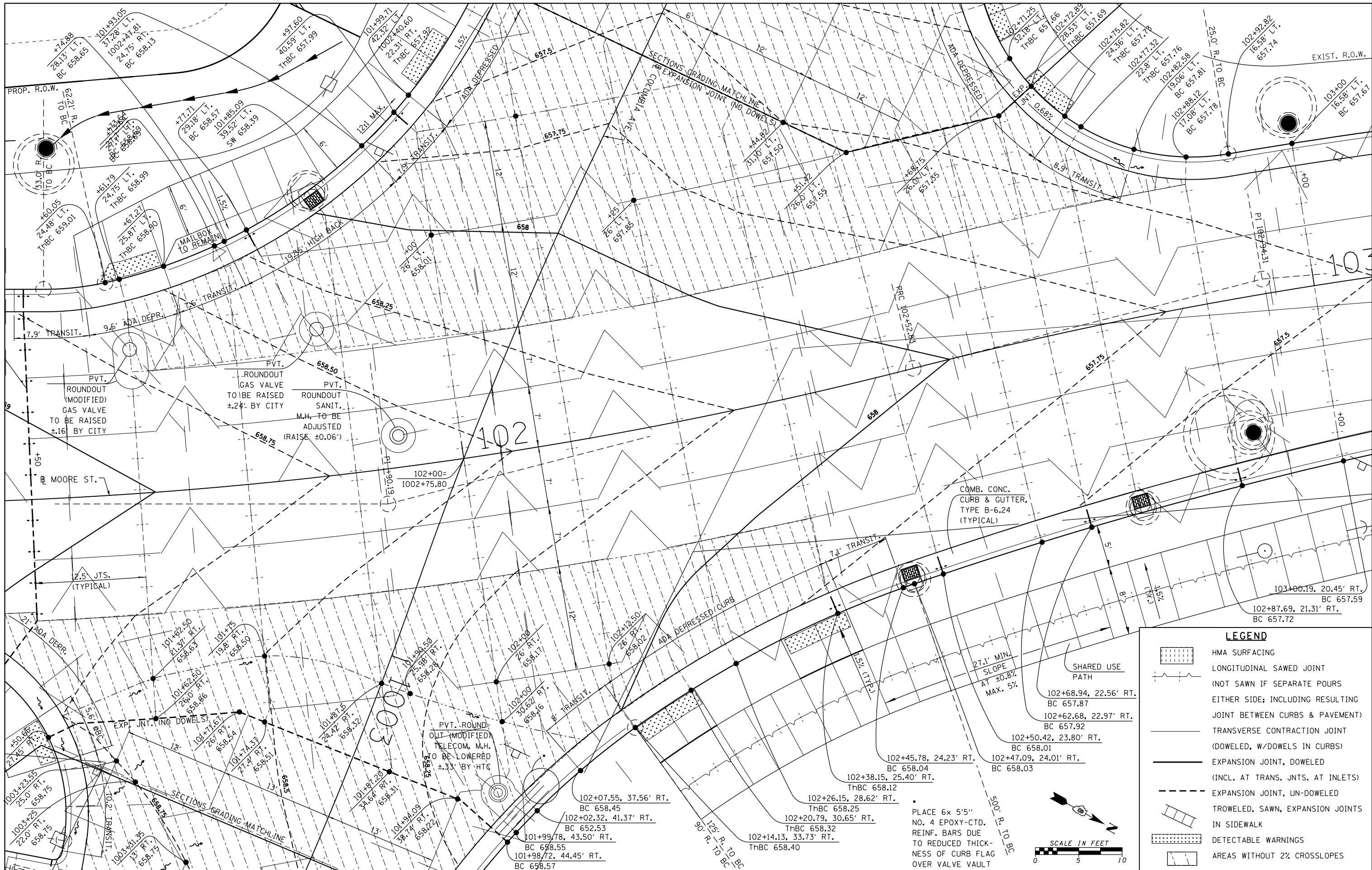
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| Default  | PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
MOORE & COLUMBIA**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 42        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



**LEGEND**

- HMA SURFACING
- LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT)
- TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURBS)
- EXPANSION JOINT, DOWELED (INCL. AT TRANS. JNTS. AT INLETS)
- EXPANSION JOINT, UN-DOWELED
- TROWELED, SAWN, EXPANSION JOINTS IN SIDEWALK
- DETECTABLE WARNINGS
- AREAS WITHOUT 2% CROSSSLOPES

27.1' MIN. SLOPE AT ±0.8% MAX. 5%

SHARED USE PATH

102+68.94, 22.56' RT. BC 657.87  
 102+62.68, 22.97' RT. BC 657.92  
 102+50.42, 23.80' RT. BC 658.01  
 102+47.09, 24.01' RT. BC 658.03  
 102+45.78, 24.23' RT. BC 658.04  
 102+38.15, 25.40' RT. ThBC 658.12  
 102+26.15, 28.62' RT. ThBC 658.25  
 102+20.79, 30.65' RT. ThBC 658.32  
 102+14.13, 33.73' RT. ThBC 658.40

SCALE IN FEET

0 5 10

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 USER NAME = kjones  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE = 3/30/2021

DESIGNED -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

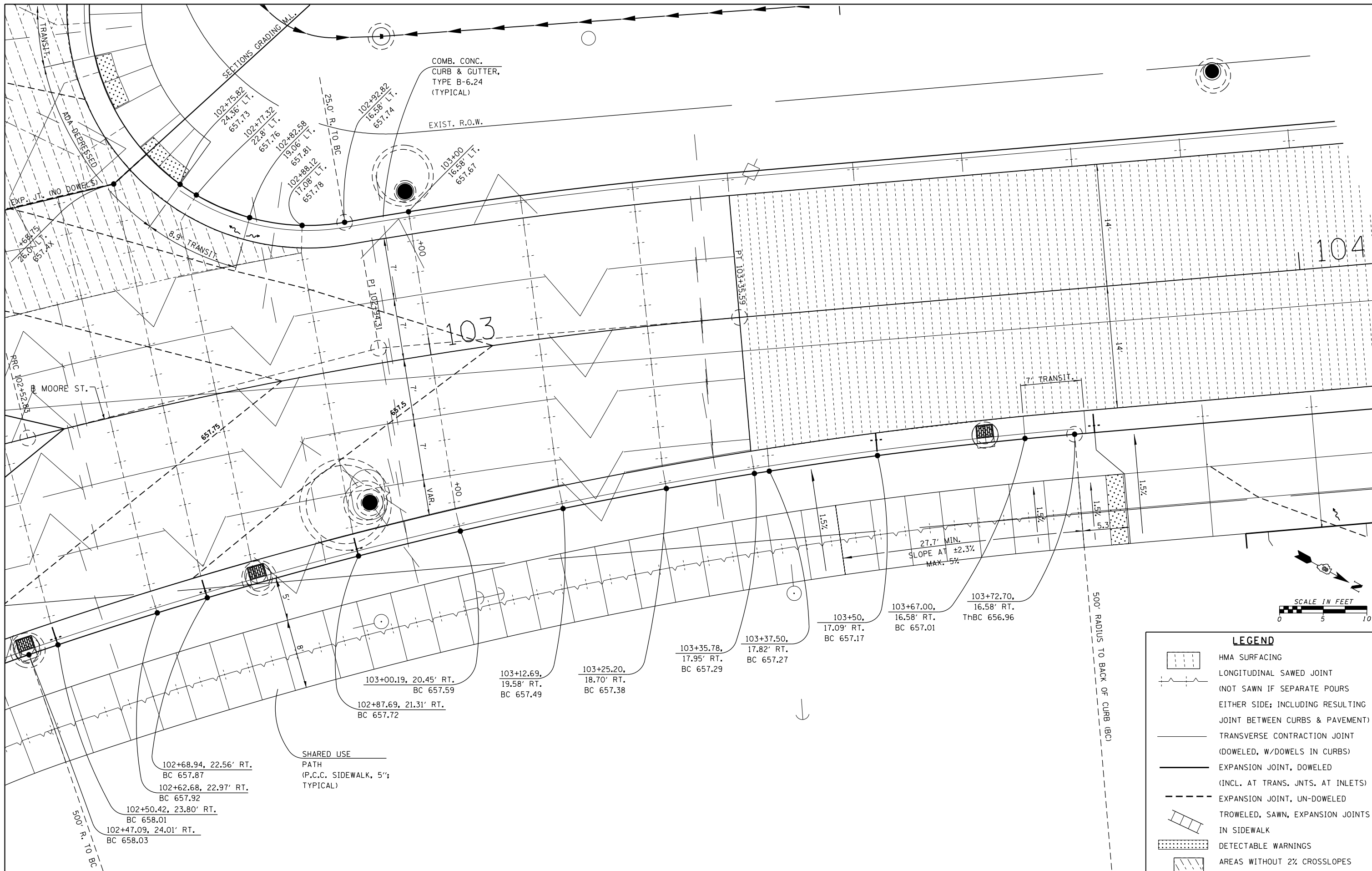
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
 MOORE & COLUMBIA**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE.    | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|----------------|--------|--------------|-----------|
| 9315         | 15-00032-04-PV | MONROE | 132          | 43        |
| CONTRACT NO. |                |        | 97717        |           |

ILLINOIS FED. AID PROJECT



**LEGEND**

|  |  |
|--|--|
|  | HMA SURFACING  |
|  | LONGITUDINAL SAWED JOINT<br>(NOT SAWN IF SEPARATE POURS<br>EITHER SIDE; INCLUDING RESULTING<br>JOINT BETWEEN CURBS & PAVEMENT) |
|  | TRANSVERSE CONTRACTION JOINT<br>(DOWELED, W/DOWELS IN CURBS)   |
|  | EXPANSION JOINT, DOWELED<br>(INCL. AT TRANS. JNTS. AT INLETS)  |
|  | EXPANSION JOINT, UN-DOWELED  |
|  | TROWELED, SAWN, EXPANSION JOINTS<br>IN SIDEWALK  |
|  | DETECTABLE WARNINGS  |
|  | AREAS WITHOUT 2% CROSSLOPES  |

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = kjones          | DESIGNED - | REVISED - |
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| Default  | PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

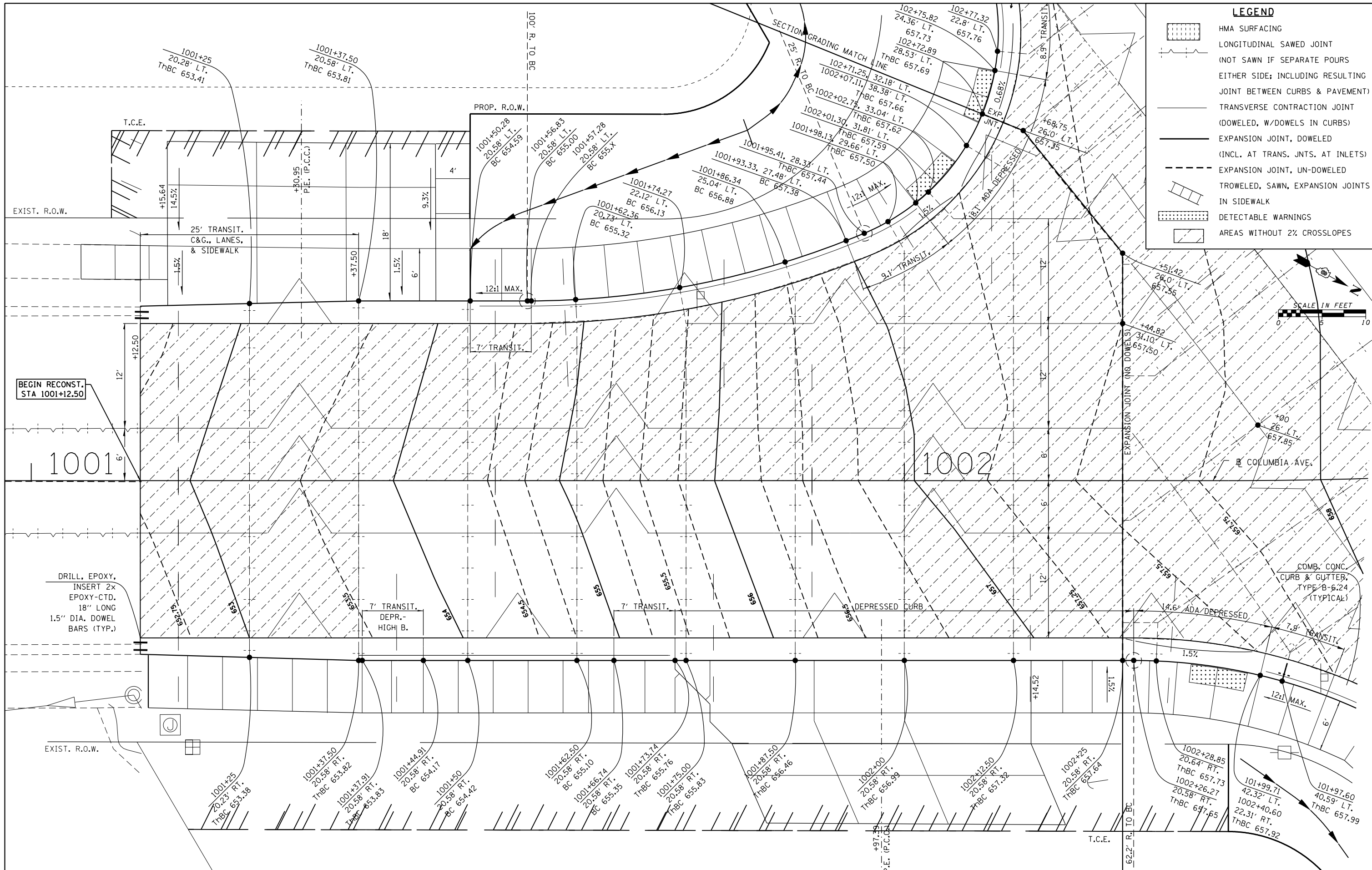
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
MOORE & COLUMBIA**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO.          |
|---------------------------|----------------|--------|--------------|--------------------|
| 9315                      | 15-00032-04-PV | MONROE | 132          | 44                 |
|                           |                |        |              | CONTRACT NO. 97717 |
| ILLINOIS FED. AID PROJECT |                |        |              |                    |





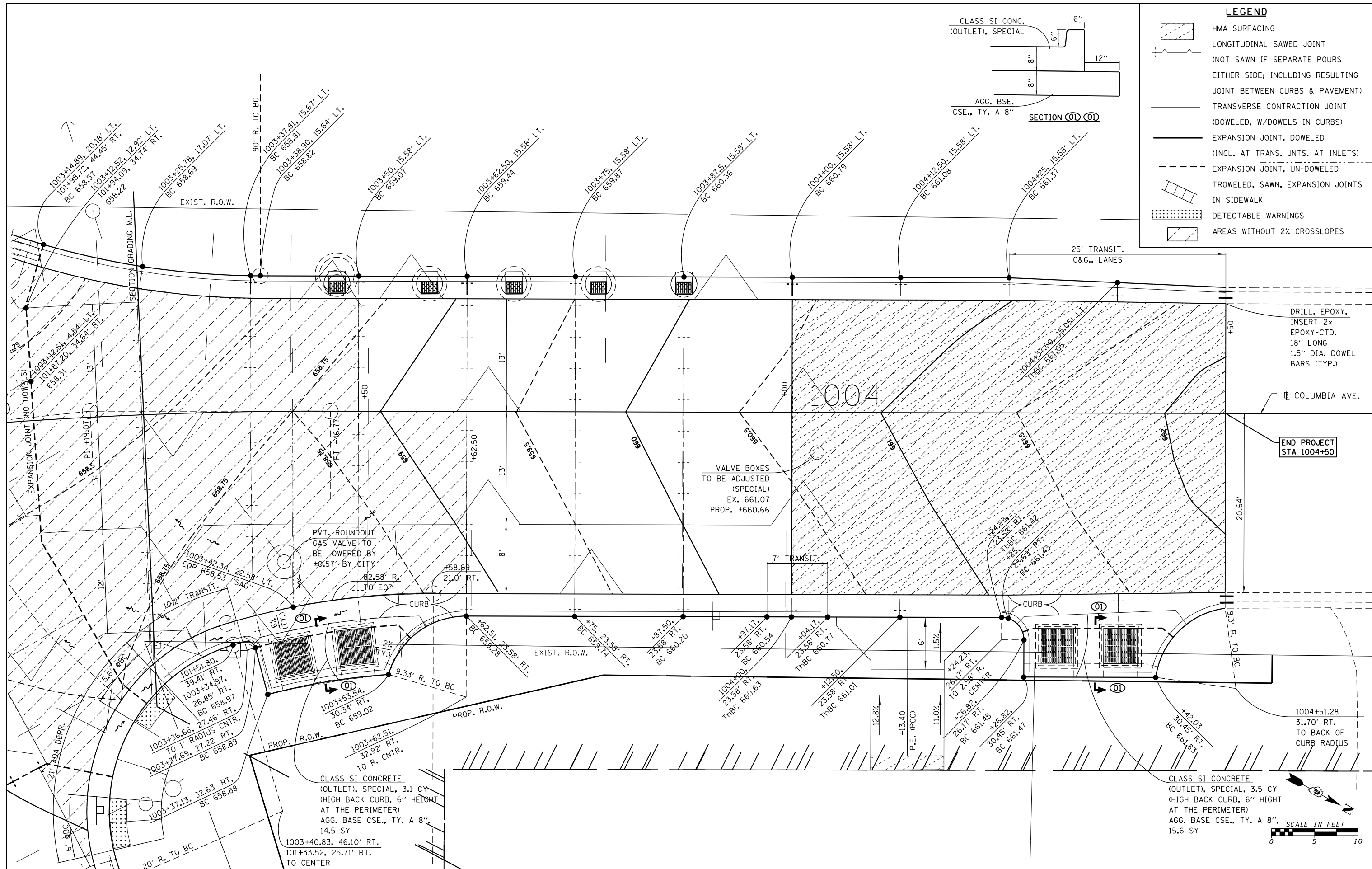
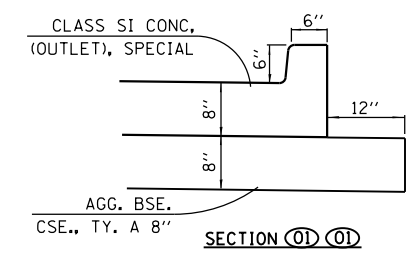
**LEGEND**

|                   |   |
|-------------------|---|
| [Hatched pattern] | HMA SURFACING   |
| [Dashed line]     | LONGITUDINAL SAWED JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; INCLUDING RESULTING JOINT BETWEEN CURBS & PAVEMENT) |
| [Solid line]      | TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURBS)   |
| [Dashed line]     | EXPANSION JOINT, DOWELED (INCL. AT TRANS. JNTS. AT INLETS)  |
| [Dashed line]     | EXPANSION JOINT, UN-DOWELED   |
| [Hatched pattern] | TROWELED, SAWN, EXPANSION JOINTS IN SIDEWALK  |
| [Dotted pattern]  | DETECTABLE WARNINGS   |
| [Hatched pattern] | AREAS WITHOUT 2% CROSSLOPES   |

|  |                             |            |           |   |  |                |        |           |         |        |              |           |
|--|-----------------------------|------------|-----------|---|--|----------------|--------|-----------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INTERSECTION DETAIL:<br/>MOORE &amp; COLUMBIA</b> |                |        | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_45_Moore Inter.dgn |                             | DRAWN -    | REVISED - |   | 9315   | 15-00032-04-PV | MONROE | 132       | 45      |        |              |           |
| Default  | PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |   | CONTRACT NO. 97717                                   |                |        |           |         |        |              |           |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT                            |                |        |           |         |        |              |           |



| LEGEND |  |
|--------|--|
|        | HMA SURFACING  |
|        | LONGITUDINAL SAWED JOINT<br>(NOT SAWN IF SEPARATE POURS<br>EITHER SIDE, INCLUDING RESULTING<br>JOINT BETWEEN CURBS & PAVEMENT) |
|        | TRANSVERSE CONTRACTION JOINT<br>(DOWELED, W/DOWELS IN CURBS)   |
|        | EXPANSION JOINT, DOWELED<br>(INCL. AT TRANS. JNTS. AT INLETS)  |
|        | EXPANSION JOINT, UN-DOWELED  |
|        | TROWELED, SAWN, EXPANSION JOINTS<br>IN SIDEWALK  |
|        | DETECTABLE WARNINGS  |
|        | AREAS WITHOUT 2% CROSSLOPES  |



|  |                    |            |           |
|--|--------------------|------------|-----------|
| FILE NAME =  | USER NAME = kjones | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_46_Moore_Sidgn |                    | DRAWN -    | REVISED - |
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| PLOT DATE = 3/30/2021  | DATE -             | REVISED -  | REVISED - |

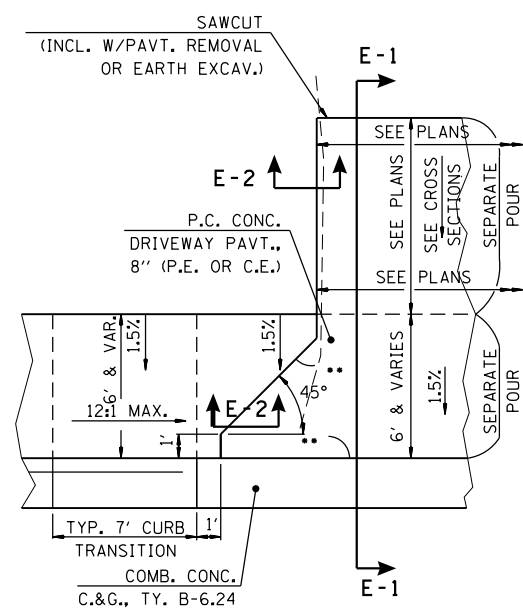
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
MOORE & COLUMBIA**

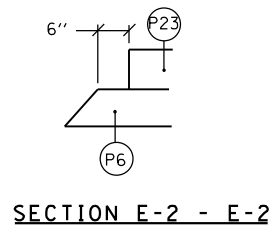
SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 46        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

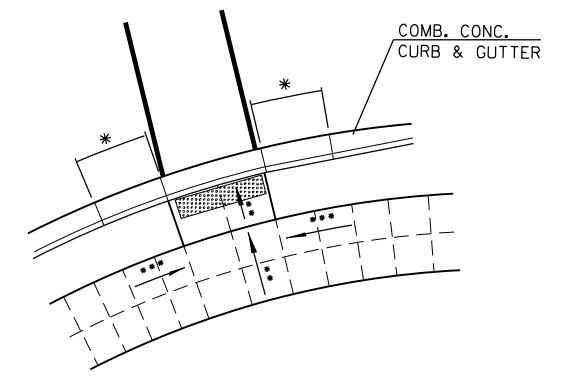




**PLAN-1**  
SEE PLAN & PROFILES FOR LOCATION OF SAWN/TROWELLED JOINTS IN P.C. DRIVEWAY PAVEMENTS.

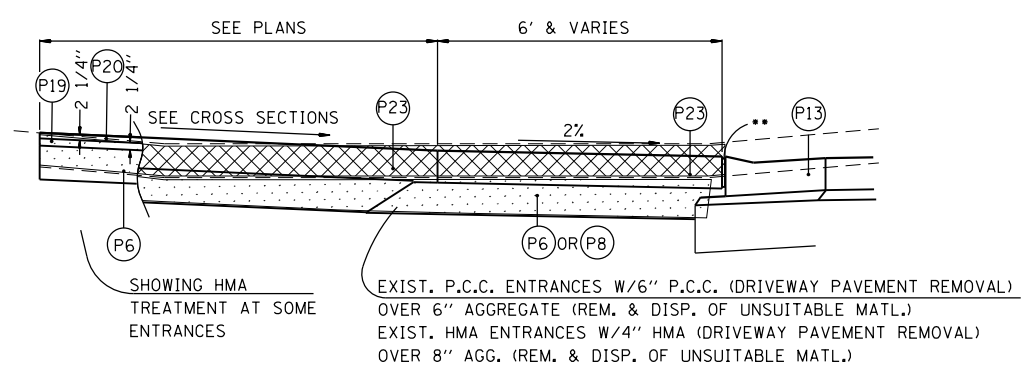


- SECTION LEGEND**
- CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
  - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
  - P6 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
  - P8 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 4"
  - P13 COMB. CONC. CURB AND GUTTER, TYPE B-6.24
  - P19 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
  - P20 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
  - P23 P.C.C. DRIVEWAY PAVEMENT 8"
  - \*\* EXPANSION JOINT



**SIDEWALK/SHARED USE PATH SLOPE DETAILS AT CROSSWALKS**

- \* = TRANSITION CURB DIMENSIONS (SEE PLANS)
- \*\* = 1.5% MAXIMUM
- \*\*\* = 5% MAXIMUM (PLANS CALL OUT DESIRED DIMENSIONS AND SLOPES)

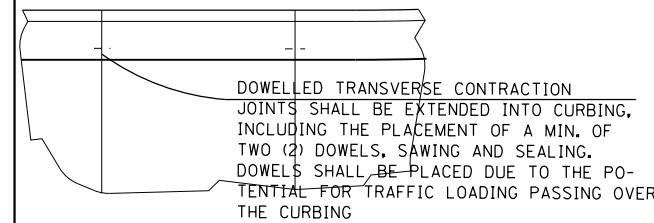


**SECTION E-1 - E-1**

SHOWING HMA TREATMENT AT SOME ENTRANCES

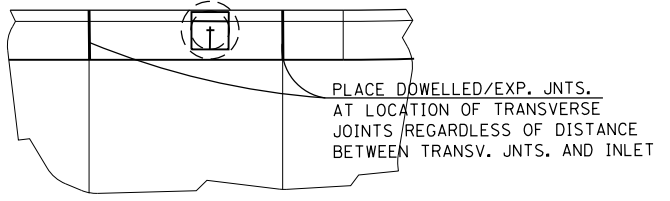
EXIST. P.C.C. ENTRANCES W/6" P.C.C. (DRIVEWAY PAVEMENT REMOVAL) OVER 6" AGGREGATE (REM. & DISP. OF UNSUITABLE MATL.)

EXIST. HMA ENTRANCES W/4" HMA (DRIVEWAY PAVEMENT REMOVAL) OVER 8" AGG. (REM. & DISP. OF UNSUITABLE MATL.)



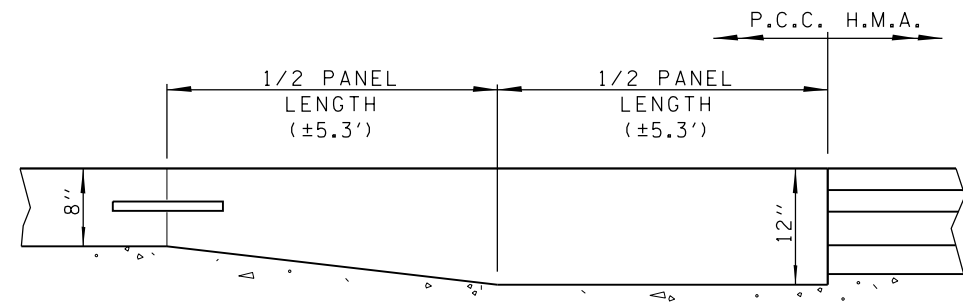
**TRANSVERSE JOINTS IN CURBING**

DOWELLED TRANSVERSE CONTRACTION JOINTS SHALL BE EXTENDED INTO CURBING, INCLUDING THE PLACEMENT OF A MIN. OF TWO (2) DOWELS, SAWING AND SEALING. DOWELS SHALL BE PLACED DUE TO THE POTENTIAL FOR TRAFFIC LOADING PASSING OVER THE CURBING



**EXPANSION JOINTS AT INLETS MODIFICATION**

HIGHWAY STANDARD 606001 SHALL BE MODIFIED SUCH THAT THE DOWELLED/EXPANSION JOINTS CALLED FOR EITHER SIDE OF INLETS SHALL BE POSITIONED AT THE NEAREST TRANSVERSE CONTRACTION JOINTS. "DEAD END" OR "T" JOINTS SHOWN IN THE HIGHWAY STANDARD ARE PROHIBITED.



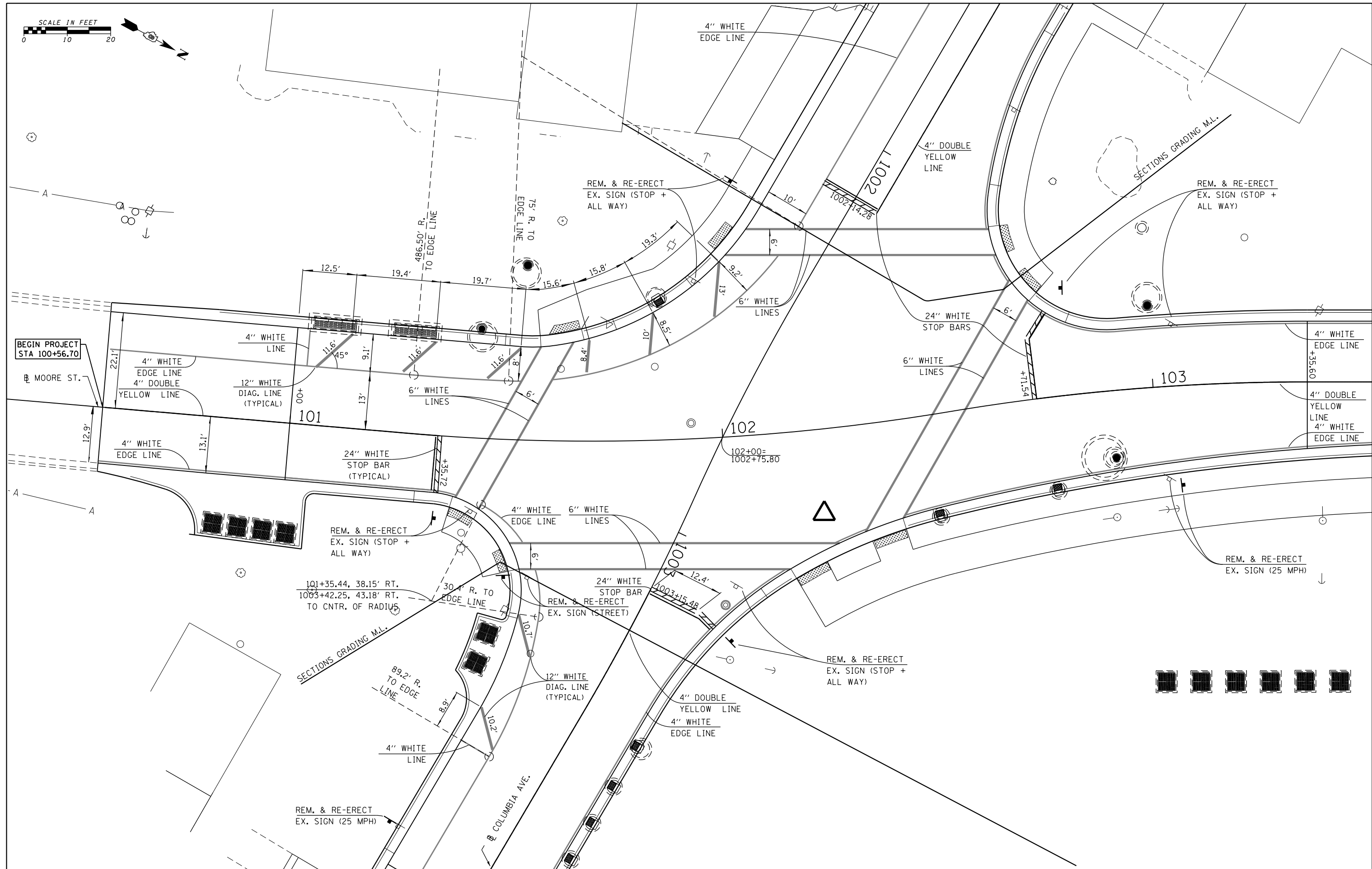
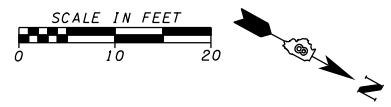
**THICKENED EDGE AT TERMINI OF P.C.C. PAVEMENT**  
AT STA. 101+00, 103+35.59 AND 1004+00

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Loore_St_FAU_Phase.V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_47-Entr.dwg |                             | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

|   |       |           |              |
|---|-------|-----------|--------------|
| <b>ENTRANCE, PAVING &amp; SHARED USE PATH DETAILS</b> |       |           |              |
| SCALE:  | SHEET | OF SHEETS | STA. TO STA. |

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 47        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



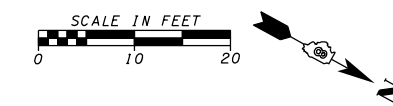
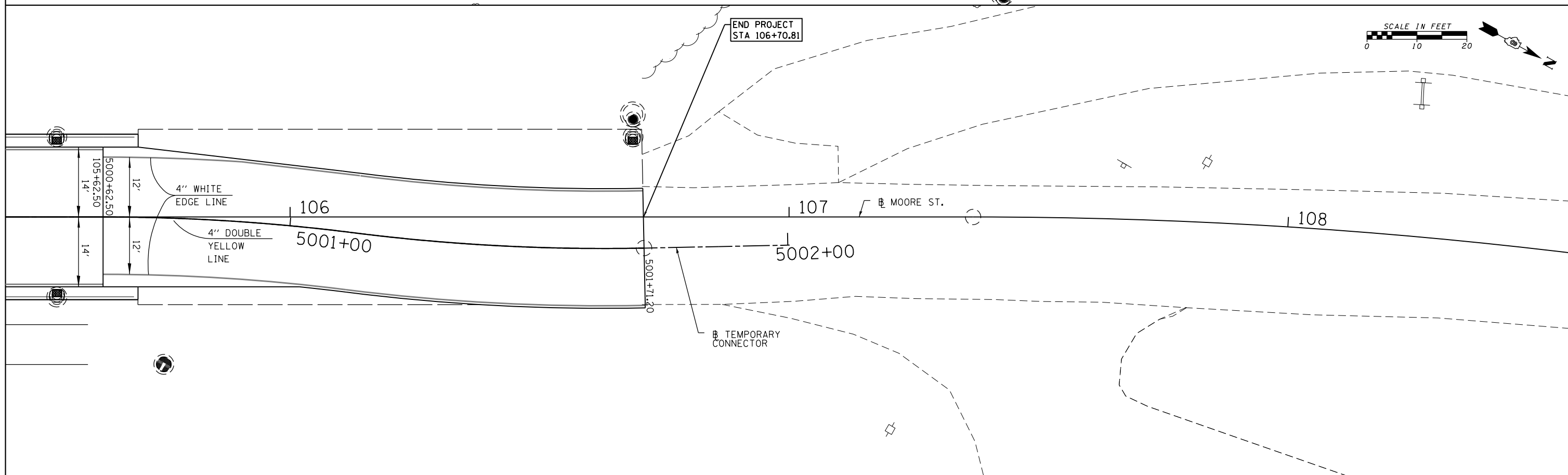
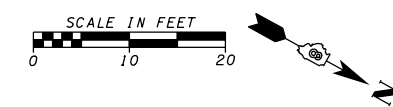
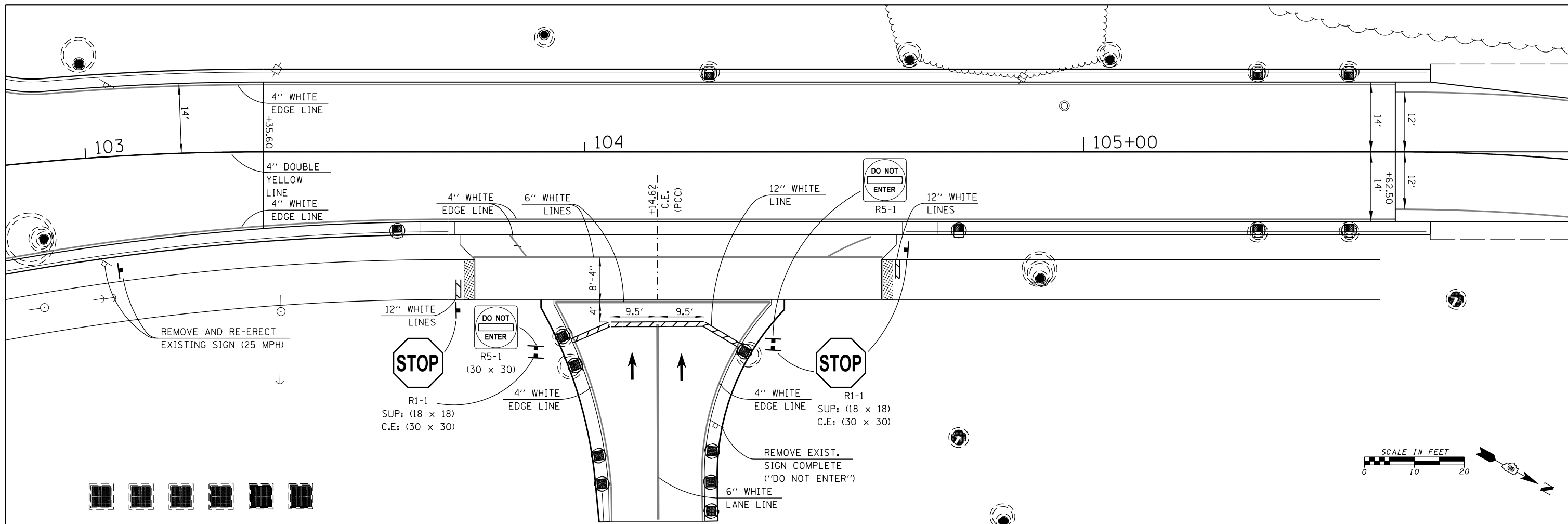
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| FILE NAME =   | USER NAME = k.jones         | DESIGNED -         | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_48.Plot |                             | DRAWN - PvtMkg.dgn | REVISED - |
| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -          | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -             | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

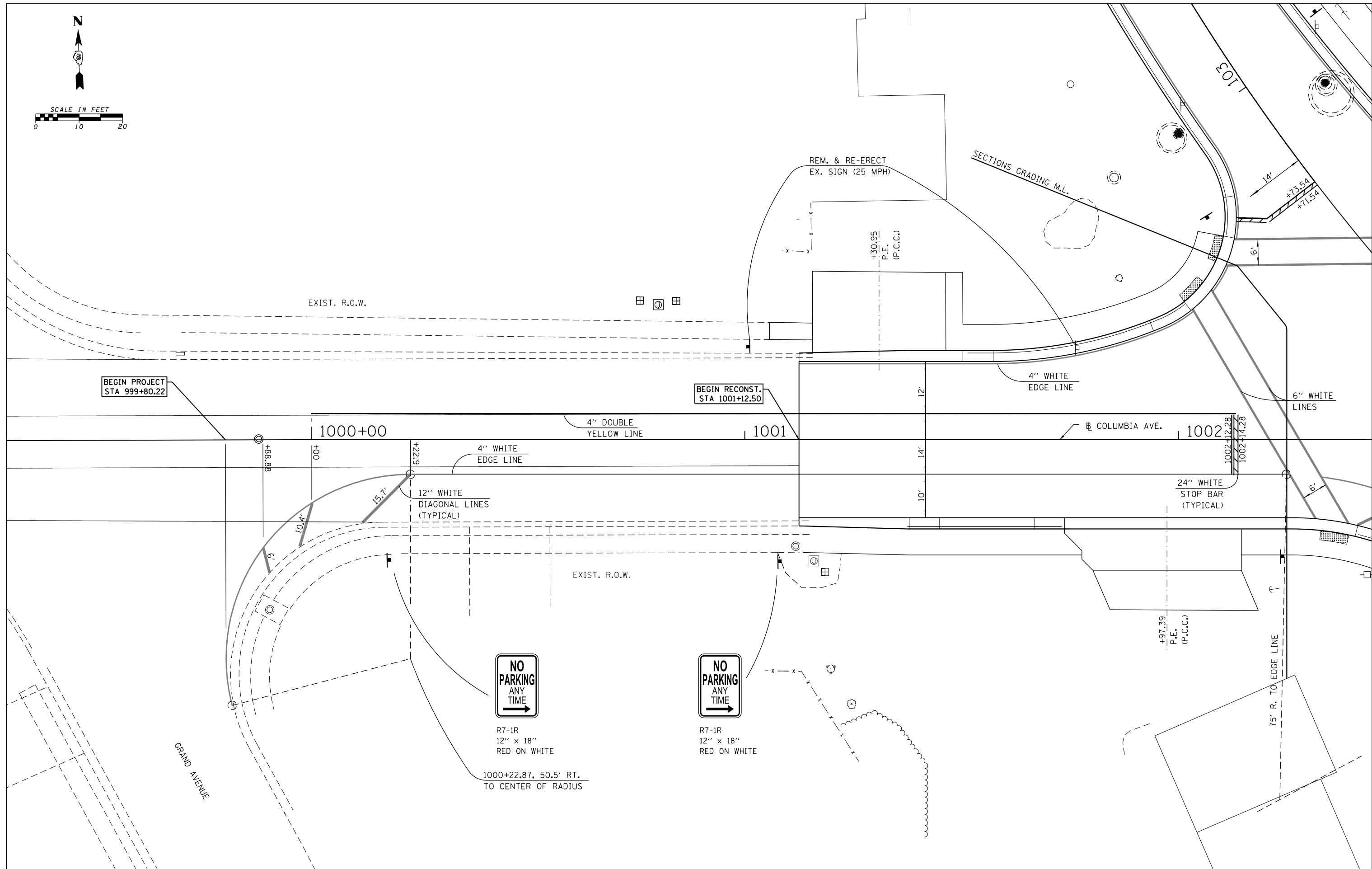
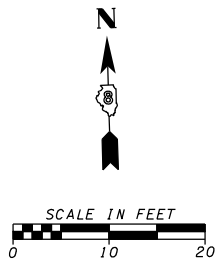
**SIGNS & PAVEMENT MARKINGS:  
100 + 00 TO 102 + 87.50  
MOORE ST.**

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 48        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

SCALE: SHEET OF SHEETS STA. TO STA.



|   |                             |            |            |   |  |       |    |        |                           |                |        |              |           |
|---|-----------------------------|------------|------------|---|--|-------|----|--------|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = kjones          | DESIGNED - | REVISED -  | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SIGNS &amp; PAVEMENT MARKINGS:<br/>102 + 87.50 TO 106 + 70.81<br/>MOORE ST.</b> |       |    |        | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU-Phase.V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_49.P1 | DRAWN - PvkMkg.dgn          | REVISIED - | REVISIED - |   |  |       |    |        | 9315                      | 15-00032-04-PV | MONROE | 132          | 49        |
| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISIED - |   | CONTRACT NO. 97717   |       |    |        | ILLINOIS FED. AID PROJECT |                |        |              |           |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISIED - |   | SCALE:   | SHEET | OF | SHEETS | STA.                      | TO             | STA.   |              |           |



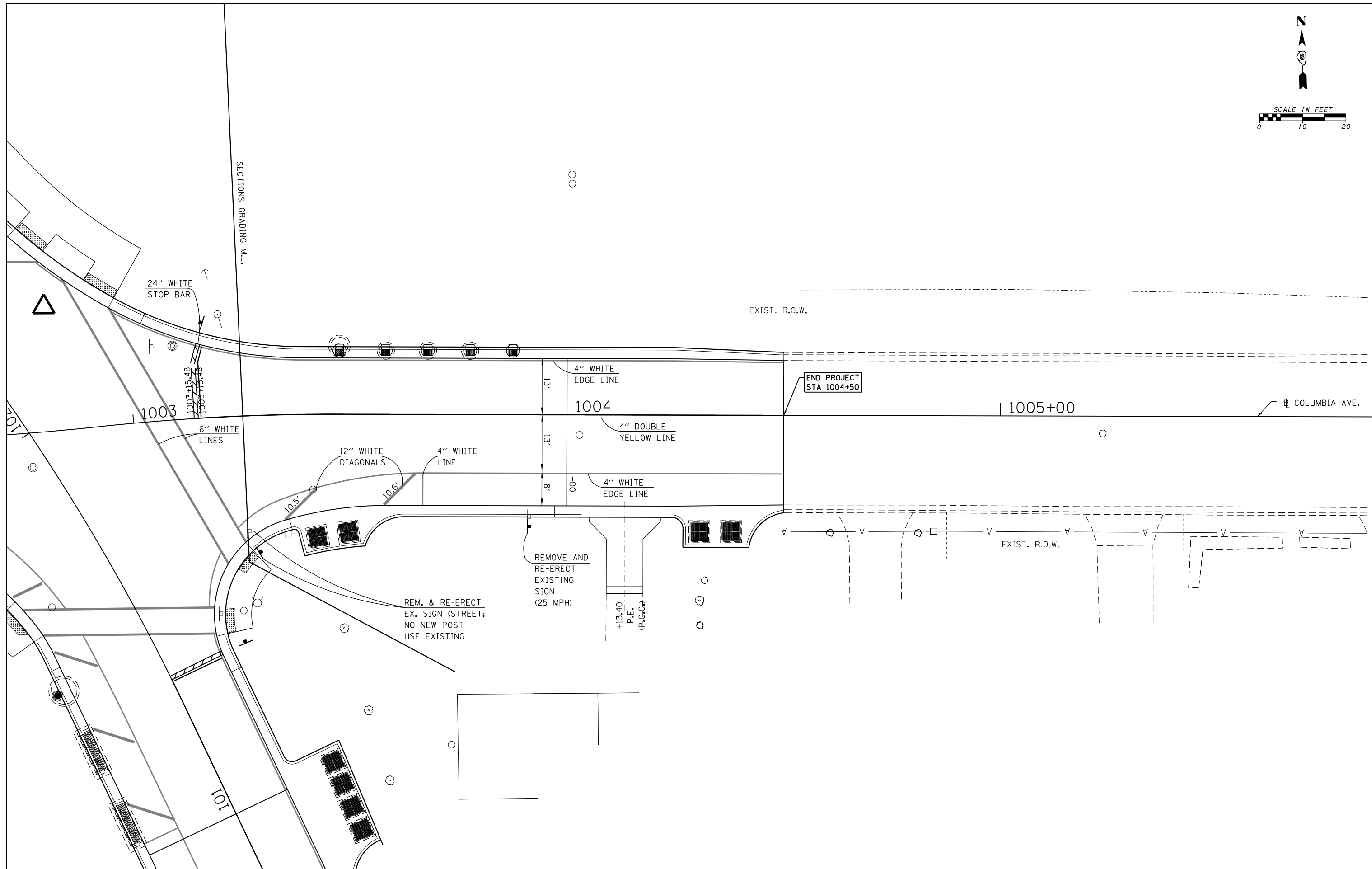
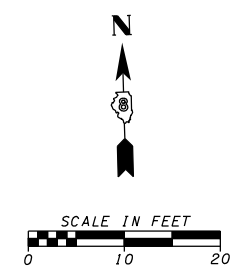
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|---|-----------------------|------------|-----------|
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| Default   | PLOT DATE = 3/30/2021 | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNS & PAVEMENT MARKINGS:  
999 + 80.22 TO 102 + 40  
COLUMBIA AVE.**

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 50        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

SCALE: SHEET OF SHEETS STA. TO STA.



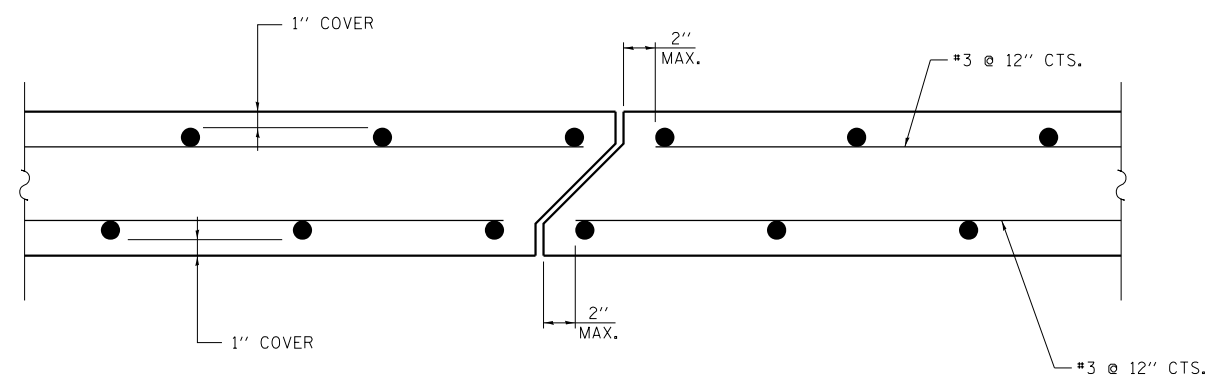
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| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

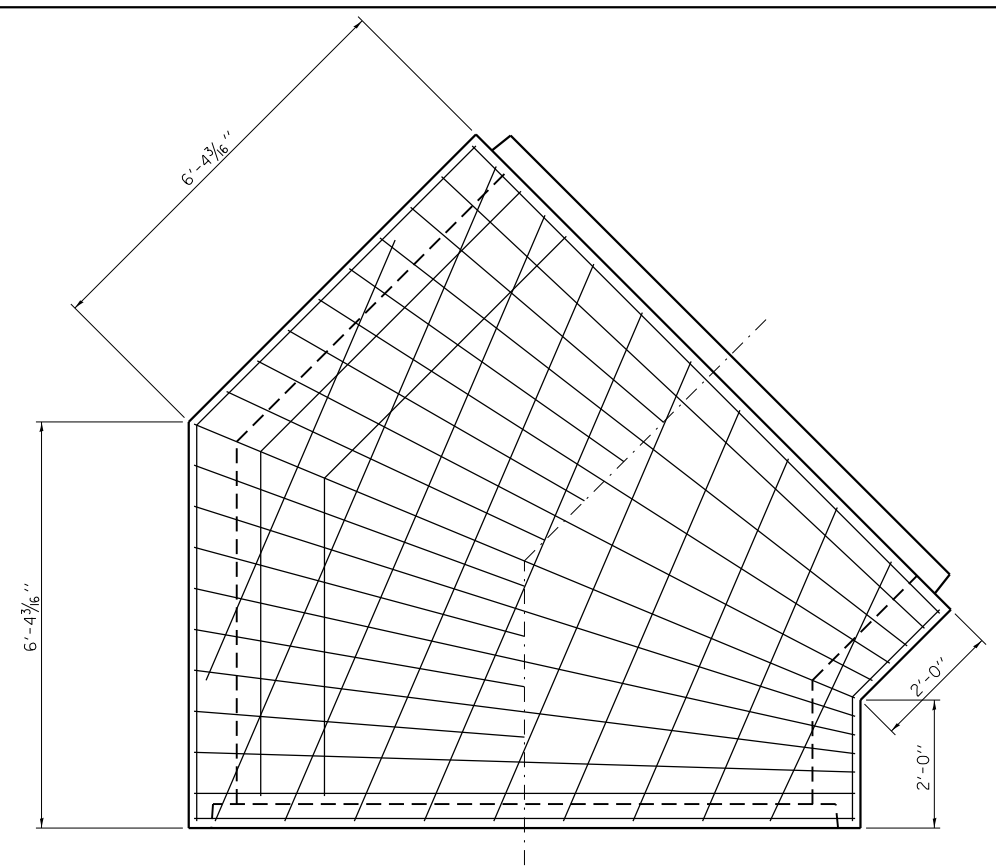
**SIGNS & PAVEMENT MARKINGS:  
1003+00 TO 1004+50  
COLUMBIA AVE.**

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE | 132                       | 51        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

SCALE: SHEET OF SHEETS STA. TO STA.

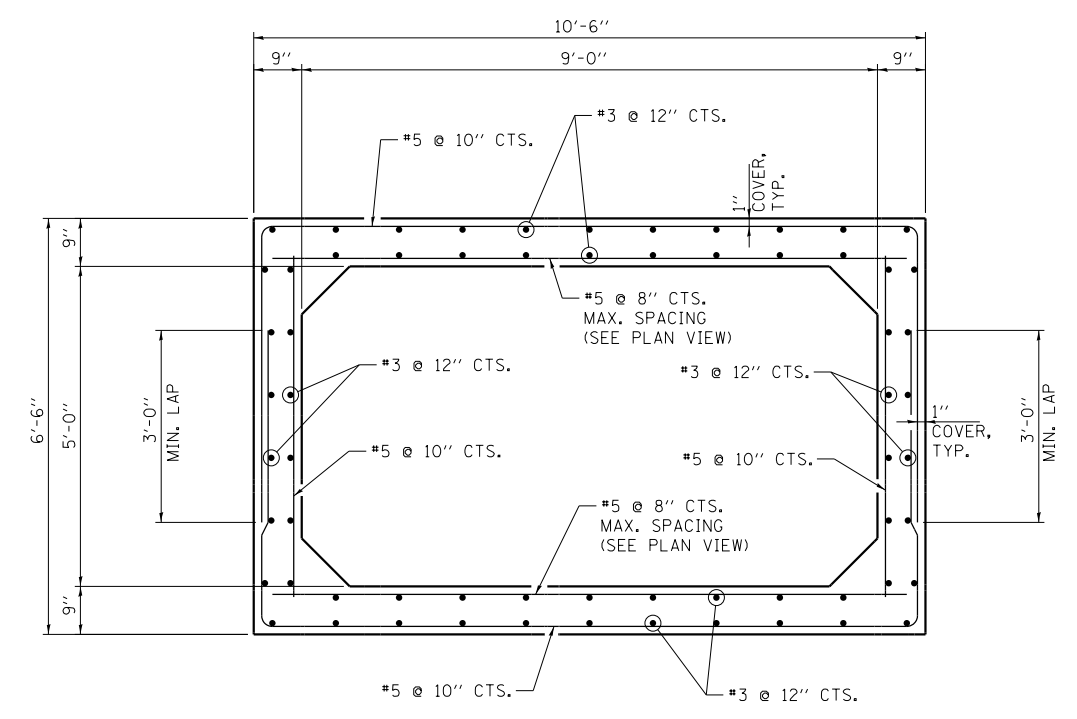


**JOINT DETAIL**



**PLAN**

NOTE:  
FIELD CUT REBAR AS REQUIRED.



**SECTION**

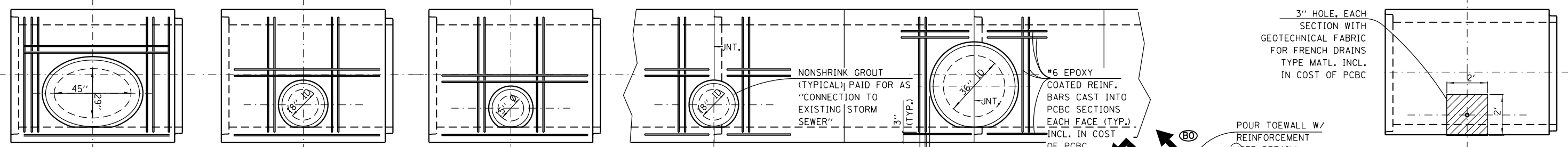
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| Default  | PLOT SCALE = 3.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021      | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRECAST CONCRETE BOX CULVERTS:  
TWO SECTION ELBOW DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 52        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

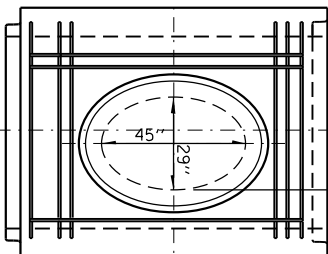


**SECTION (B4) (B4)**  
(TYPICAL FOR ALL THE EQUIV. 36" ROUND CONNECTIONS)

**SECTION (B3) (B3)**  
(TYPICAL FOR ALL THE EQUIV. 18" I.D. CONNECTIONS)

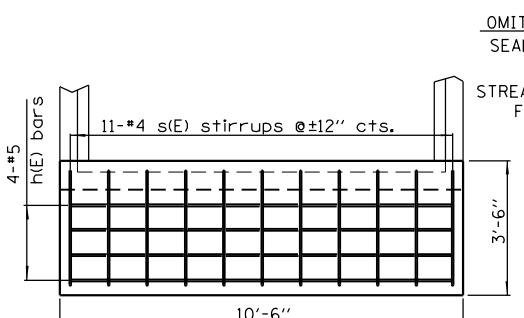
**SECTION (B2) (B2)**

**SECTION (B1) (B1)**

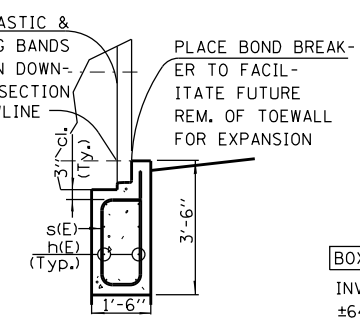


**SECTION (B5) (B5)**  
(TYPICAL FOR ALL THE EQUIV. 36" ROUND CONNECTIONS)

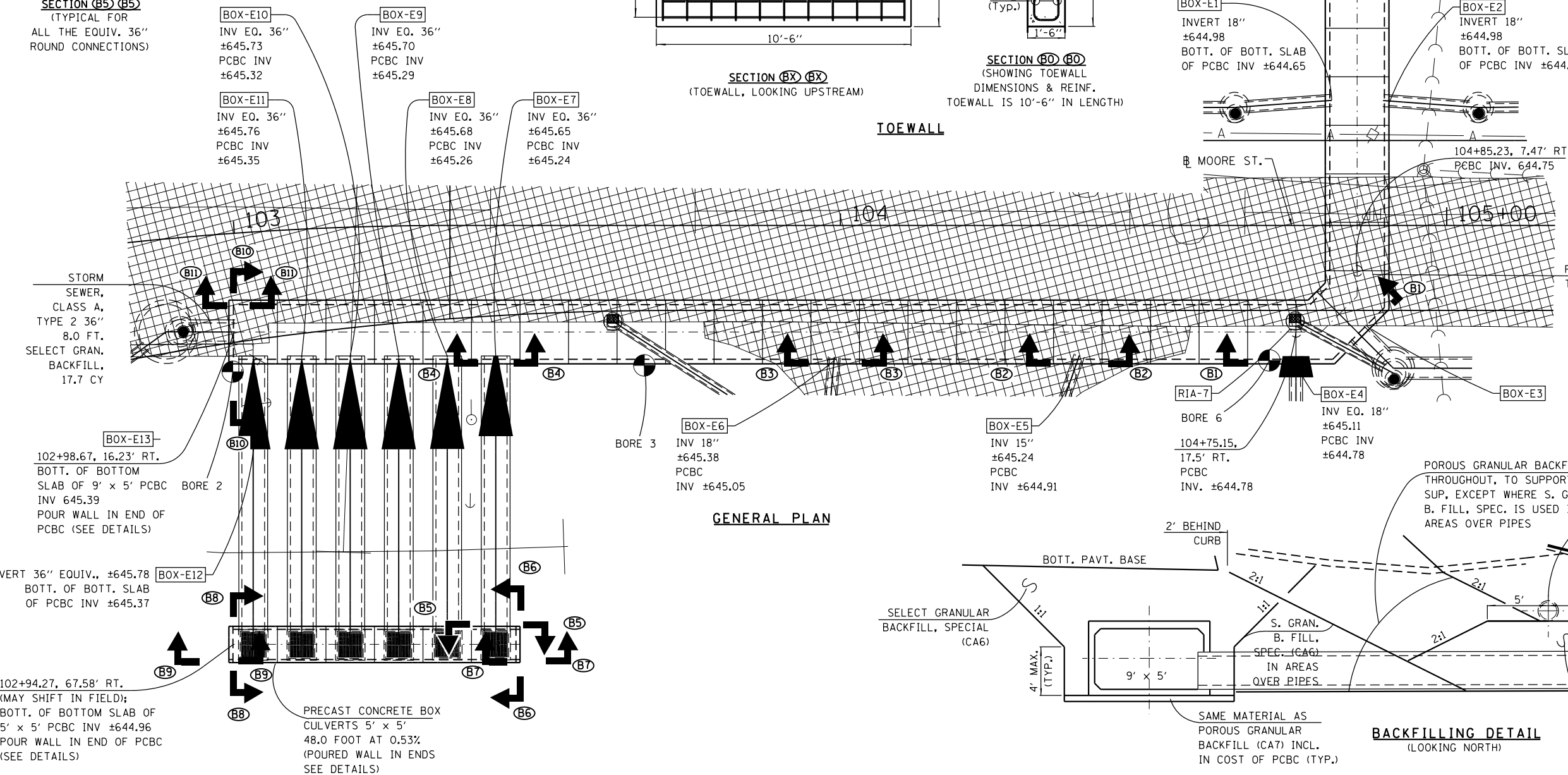
**ADDITIONAL WALL REINFORCEMENT**  
(IN ADDITION TO THE TYPICAL WALL REINF. WITH REINF. INCLUDED IN COST OF PCBC. NONSHRINK GROUT AND PLACEMENT INCLUDED IN "CONNECTION TO EXIST. S.S.")



**SECTION (BX) (BX)**  
(TOEWALL, LOOKING UPSTREAM)

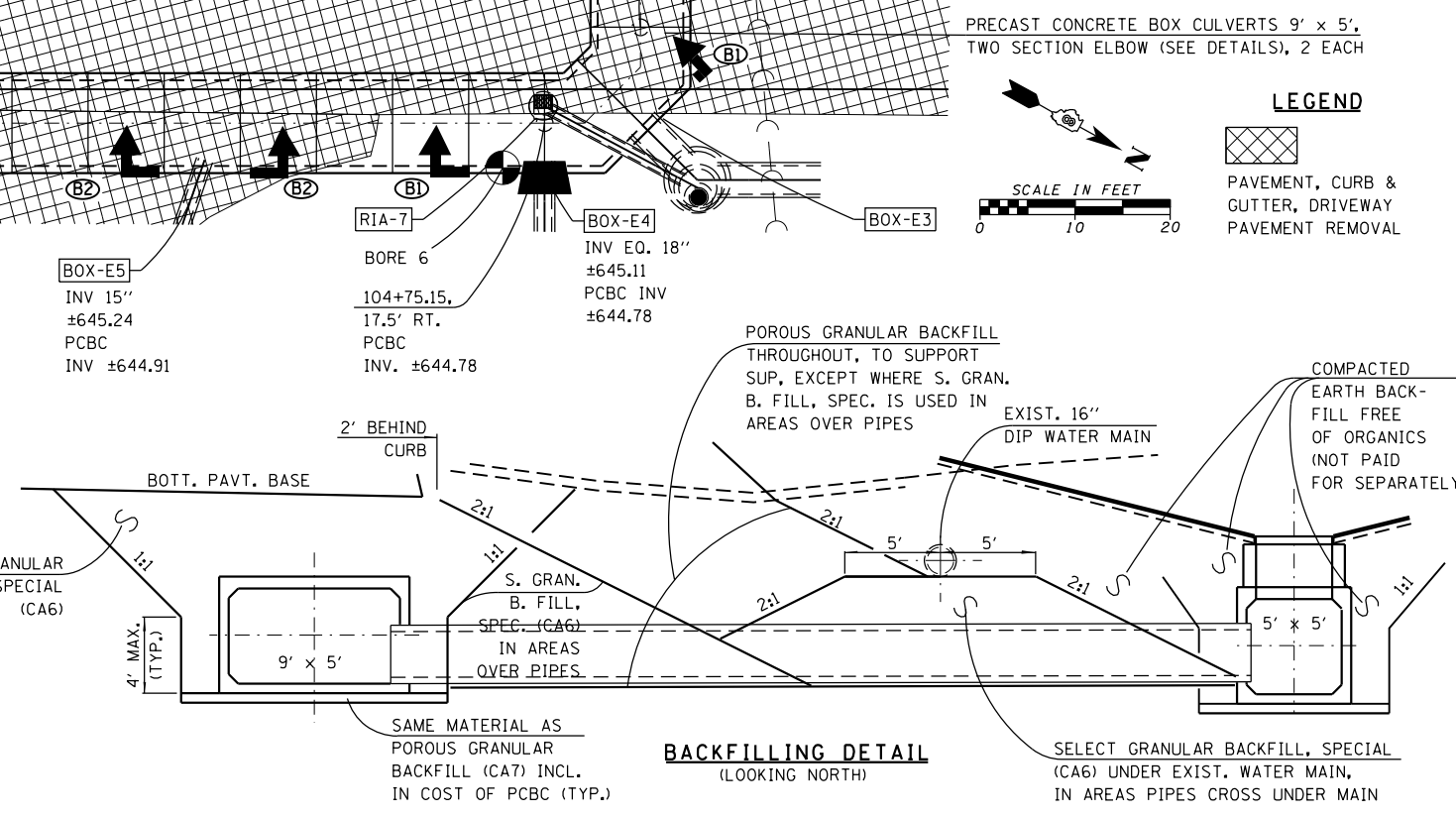
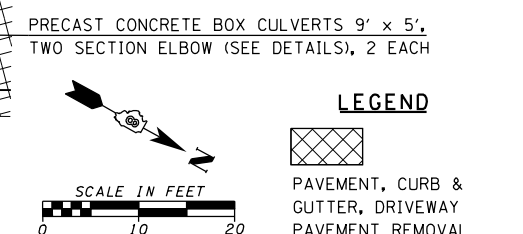


**SECTION (BO) (BO)**  
(SHOWING TOEWALL DIMENSIONS & REINF. TOEWALL IS 10'-6" IN LENGTH)



**GENERAL PLAN**

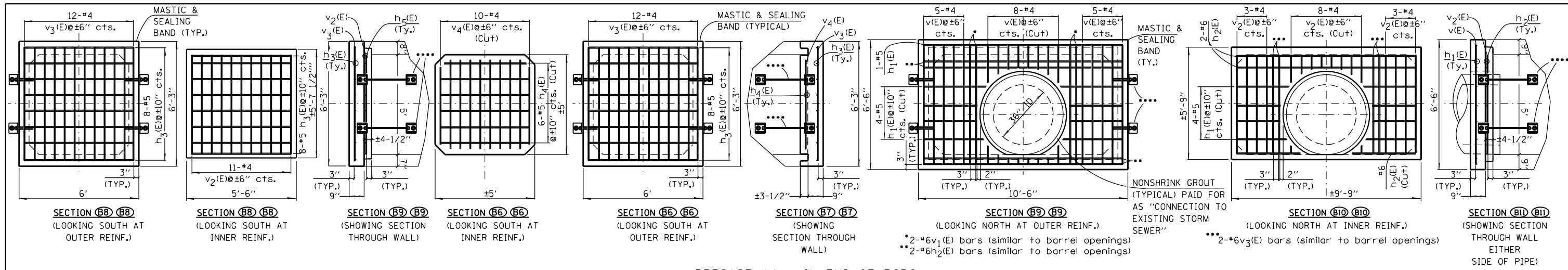
- NOTES**
- EXCAVATION AND BACKFILLING FOR ALL CAST-IN-PLACE AND PRECAST CONCRETE ITEMS SHALL BE INCLUDED IN THE COST OF THAT ITEM AND NOT PAID FOR SEPARATELY EXCEPT FOR AGGREGATE UNDER SURFACES AS SHOWN. ROCK EXCAVATION IS NOT ANTICIPATED BUT ANY WILL BE PAID FOR SEPARATELY.
  - STEEL AND CONCRETE FOR PRECAST CONCRETE BOX CULVERTS SHALL CONFORM TO ARTICLES 540, 1042, AND OTHER SECTIONS OF THE STD. SPECIFICATIONS.
  - STEEL AND CONCRETE FOR ANY CAST-IN-PLACE ITEMS SHALL CONFORM TO ARTICLES 503, 508, 1006, AND OTHER SECTIONS OF THE STD. SPECIFICATIONS, INCLUDING USE OF ASTM A706, GR. 60 STEEL, AND MIN. 5,000 PSI IN 28 DAYS.
  - ALL CONST. JOINTS SHALL BE BONDED. ALL PCBC JOINTS SHALL BE SEALED WITH MASTIC AND SEALING BANDS UNLESS SHOWN OTHERWISE.



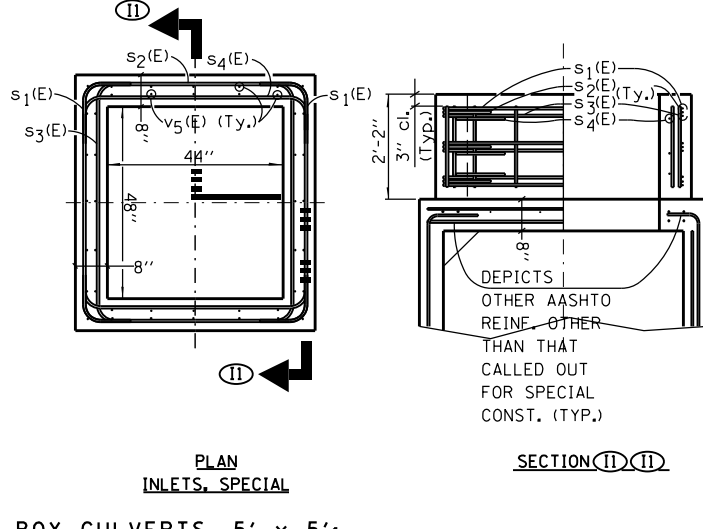
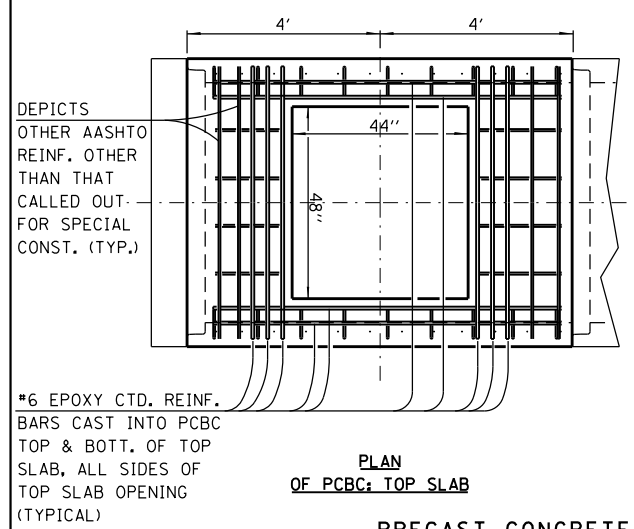
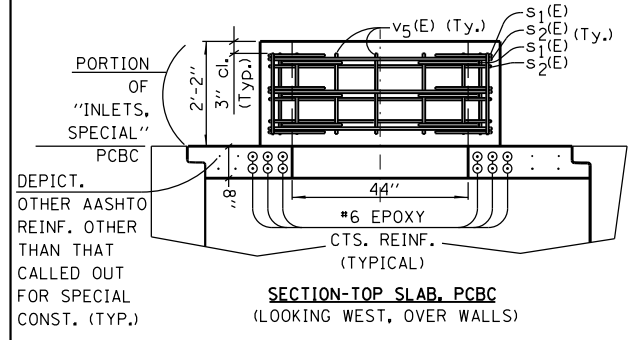
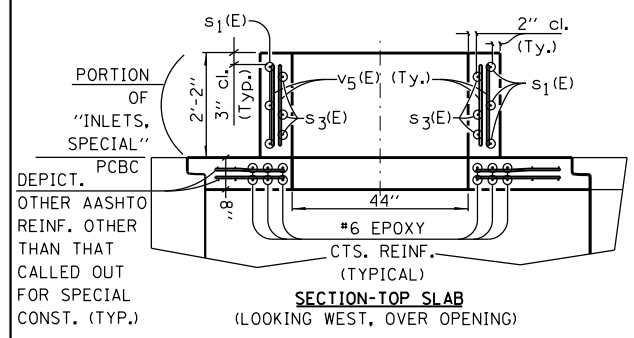
**BACKFILLING DETAIL**  
(LOOKING NORTH)

|   |                             |            |           |   |   |                           |         |        |              |           |
|---|-----------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PRECAST CONCRETE BOX CULVERTS:<br/>TOEWALL, WALL OPENING, AND BACKFILL DETAILS</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Water-Loop-Moore-St.-FAU-Phase-V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_53.Box | DRAWN -                     | REVISED -  | 9315      |   |   | 15-00032-04-PV            | MONROE  | 132    | 53           |           |
| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |   | CONTRACT NO. 97717        |         |        |              |           |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |





**PRECAST WALL IN END OF PCBC**  
 THE CONTRACTOR MAY UTILIZE CAST-IN-PLACE WALLS AND PROVIDE EQUIVALENT REINFORCEMENT/FOOT OPTIONS

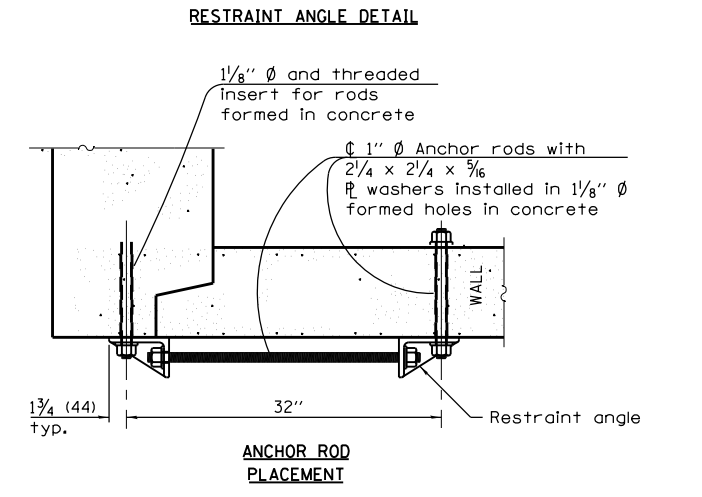
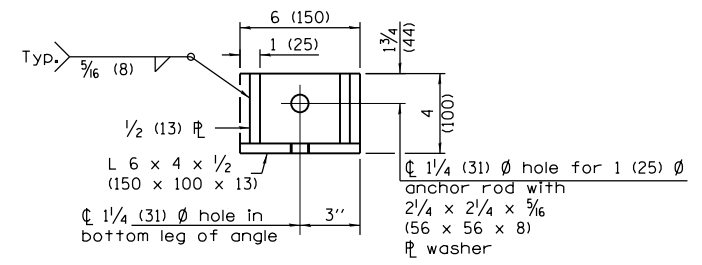


**PRECAST CONCRETE BOX CULVERTS, 5' x 5';  
 ADDITIONAL TOP SLAB REINFORCEMENT  
 &  
 INLETS, SPECIAL;  
 REINFORCEMENT**

THE CONTRACTOR/FABRICATOR MAY PROVIDE EQUIVALENT REINFORCEMENT/FOOT OPTIONS

**NOTES**

- EXCAVATION AND BACKFILLING FOR ALL CAST-IN-PLACE AND PRECAST CONCRETE ITEMS SHALL BE INCLUDED IN THE COST OF THAT ITEM AND NOT PAID FOR SEPARATELY EXCEPT FOR AGGREGATE UNDER SURFACES AS SHOWN. ROCK EXCAVATION IS NOT ANTICIPATED BUT ANY WILL BE PAID FOR SEPARATELY.
- STEEL AND CONCRETE FOR PRECAST CONCRETE BOX CULVERTS SHALL CONFORM TO ARTICLES 540, 1042, AND OTHER SECTIONS OF THE STD. SPECIFICATIONS.
- STEEL AND CONCRETE FOR ANY CAST-IN-PLACE ITEMS SHALL CONFORM TO ARTICLES 503, 508, 1006, AND OTHER SECTIONS OF THE STD. SPECIFICATIONS, INCLUDING USE OF ASTM A706, GR. 60 STEEL, AND MIN. 5,000 PSI IN 28 DAYS.
- ALL CONST. JOINTS SHALL BE BONDED. ALL PCBC JOINTS SHALL BE SEALED WITH MASTIC AND SEALING BANDS UNLESS SHOWN OTHERWISE.



**\*\*\*\* RESTRAINTS**

2/4 x 2/4 x 3/16 (56 x 56 x 8) plate washers shall be provided under each nut required for the anchor rods. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of formed holes.

1" diameter rods shall conform to ASTM F1554, Grade 105

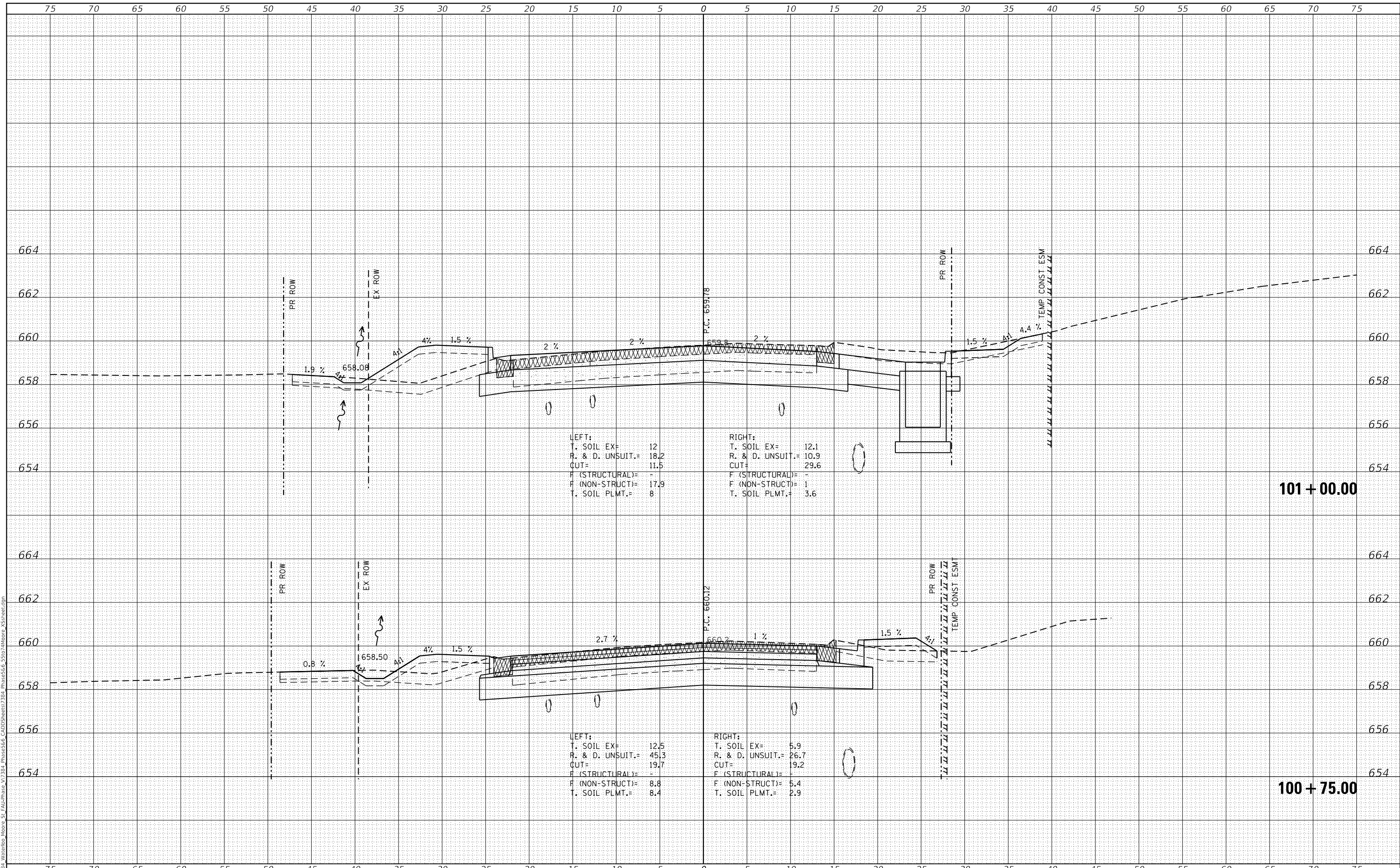
Structural steel shall conform to Article 1006.04 and angles and other pieces shall be galvanized per AASHTO M111 and M232.

|  |                             |            |           |   |   |                           |                |        |              |           |  |
|--|-----------------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|--|
| FILE NAME = H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_54-Box | USER NAME = kjones          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PRECAST CONCRETE BOX CULVERTS:<br/>WALL IN ENDS AND TOP SLAB OPENING DETAILS</b> | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |   | 9315                      | 15-00032-04-PV | MONROE | 132          | 54        |  |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |   | CONTRACT NO. 97717        |                |        |              |           |  |
|  |                             |            |           |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |  |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore St - Full-Phase V17384 - Phase556 - CAD\Drawings\384 - Phase556 - 556r - Moore XS.rvt.dgn



LEFT:  
 T. SOIL EX= 12  
 R. & D. UNSUIT.= 18.2  
 CUT= 11.5  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 17.9  
 T. SOIL PLMT.= 8

RIGHT:  
 T. SOIL EX= 12.1  
 R. & D. UNSUIT.= 10.9  
 CUT= 29.6  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 1  
 T. SOIL PLMT.= 3.6

LEFT:  
 T. SOIL EX= 12.5  
 R. & D. UNSUIT.= 45.3  
 CUT= 19.7  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 8.8  
 T. SOIL PLMT.= 8.4

RIGHT:  
 T. SOIL EX= 5.9  
 R. & D. UNSUIT.= 26.7  
 CUT= 19.2  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 5.4  
 T. SOIL PLMT.= 2.9

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

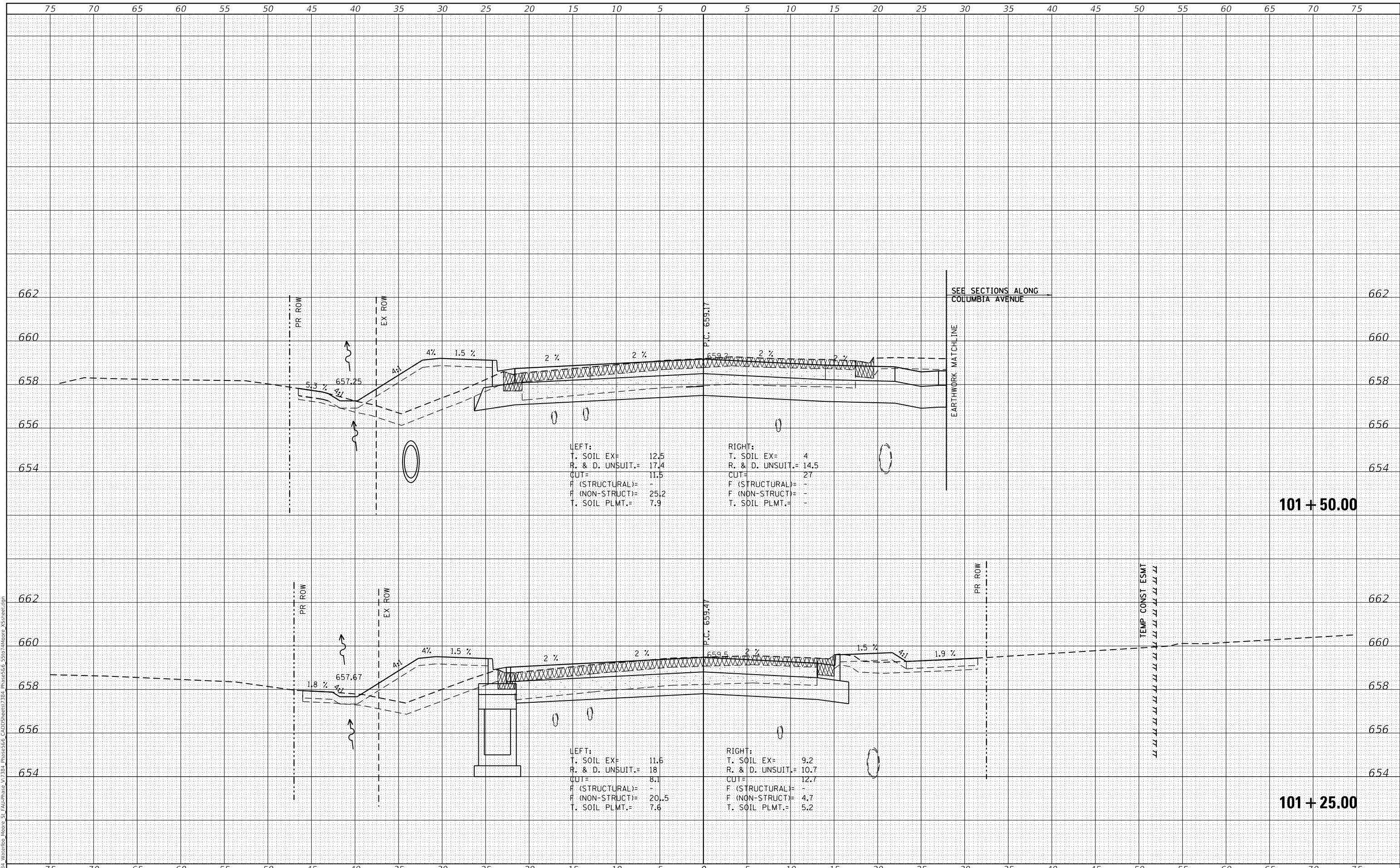
SCALE: SHEET 1 OF 20 SHEETS STA. 100+75.00 TO STA. 101+00.00

| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|----------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE   | 132                | 55        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore St - Full-Phase V17384 - Phase556 - CAD\Drawings\384 - Phase556 - 556r - Moore XS.dwg



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

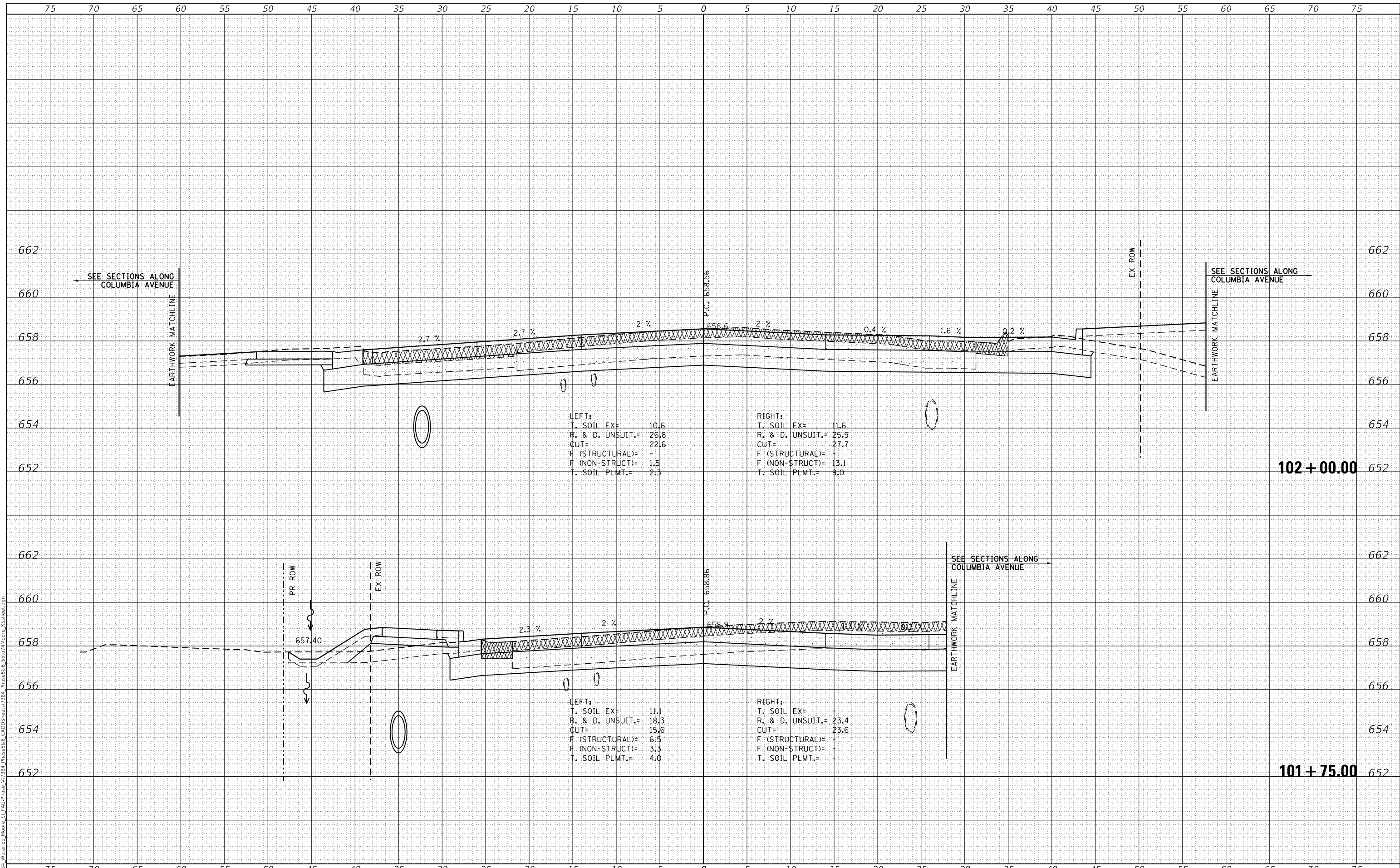
SCALE: SHEET 2 OF 20 SHEETS STA. 101+25.00 TO STA. 101+50.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 56        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Defaul  
 FILE NAME: H:\384 - Washboro - Moore St - Full-Phase - V17384 - Phase556 - CAD\Drawings\384 - Phase556 - 556 - Moore - XSheet.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

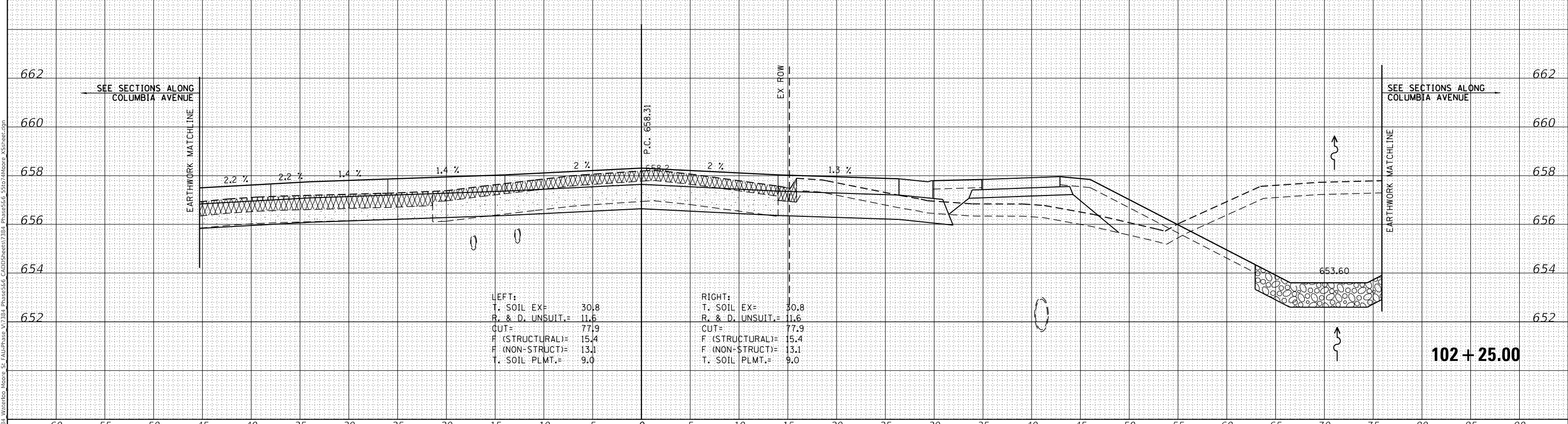
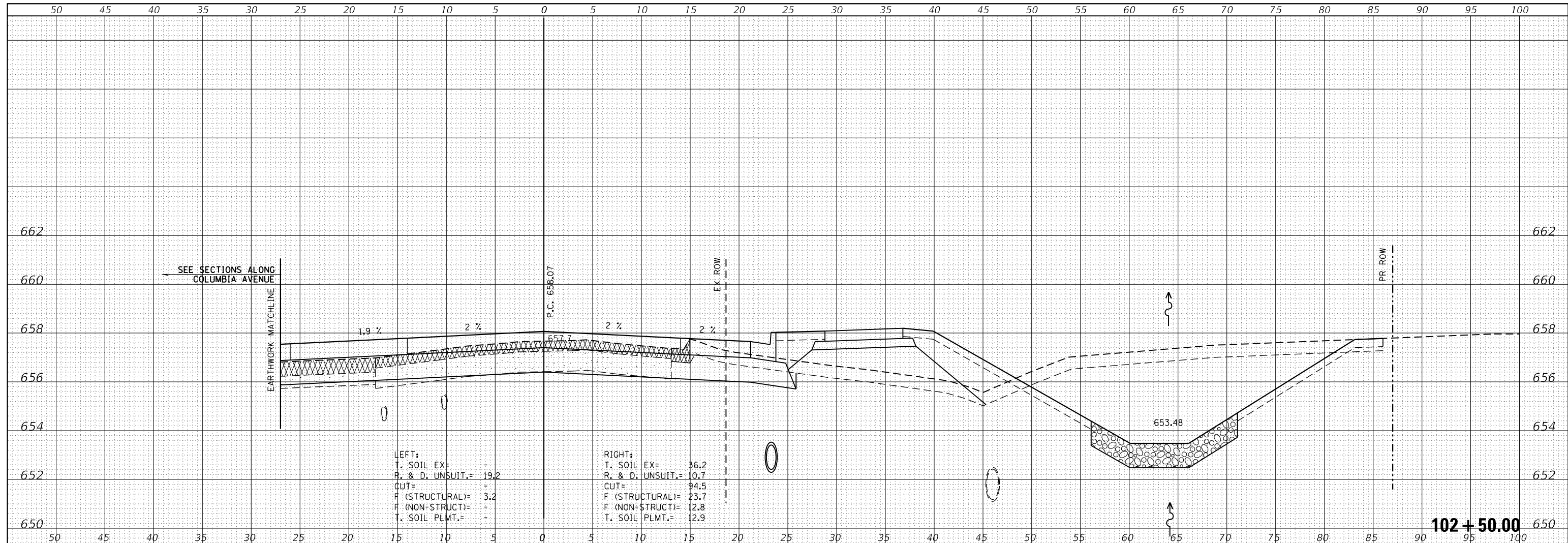
|  |                                  |
|--|----------------------------------|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |                                  |
| SCALE:                                 | SHEET 3 OF 20 SHEETS             |
|  | STA. 101+75.00 TO STA. 102+00.00 |

| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|----------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE   | 132                | 57        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Definit  
 FILE NAME: H:\384\_Wasmbld\_Moore S - FALU-Phase V17384-Phase565\_CADD\Sheet57384-Phase565\_5519-Moore XS.rvt.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjonas          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

SCALE: SHEET 4 OF 20 SHEETS STA. 102+25.00 TO STA. 102+50.00

| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|--------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                | 58        |
|           |                |        | CONTRACT NO. 97717 |           |

ILLINOIS FED. AID PROJECT

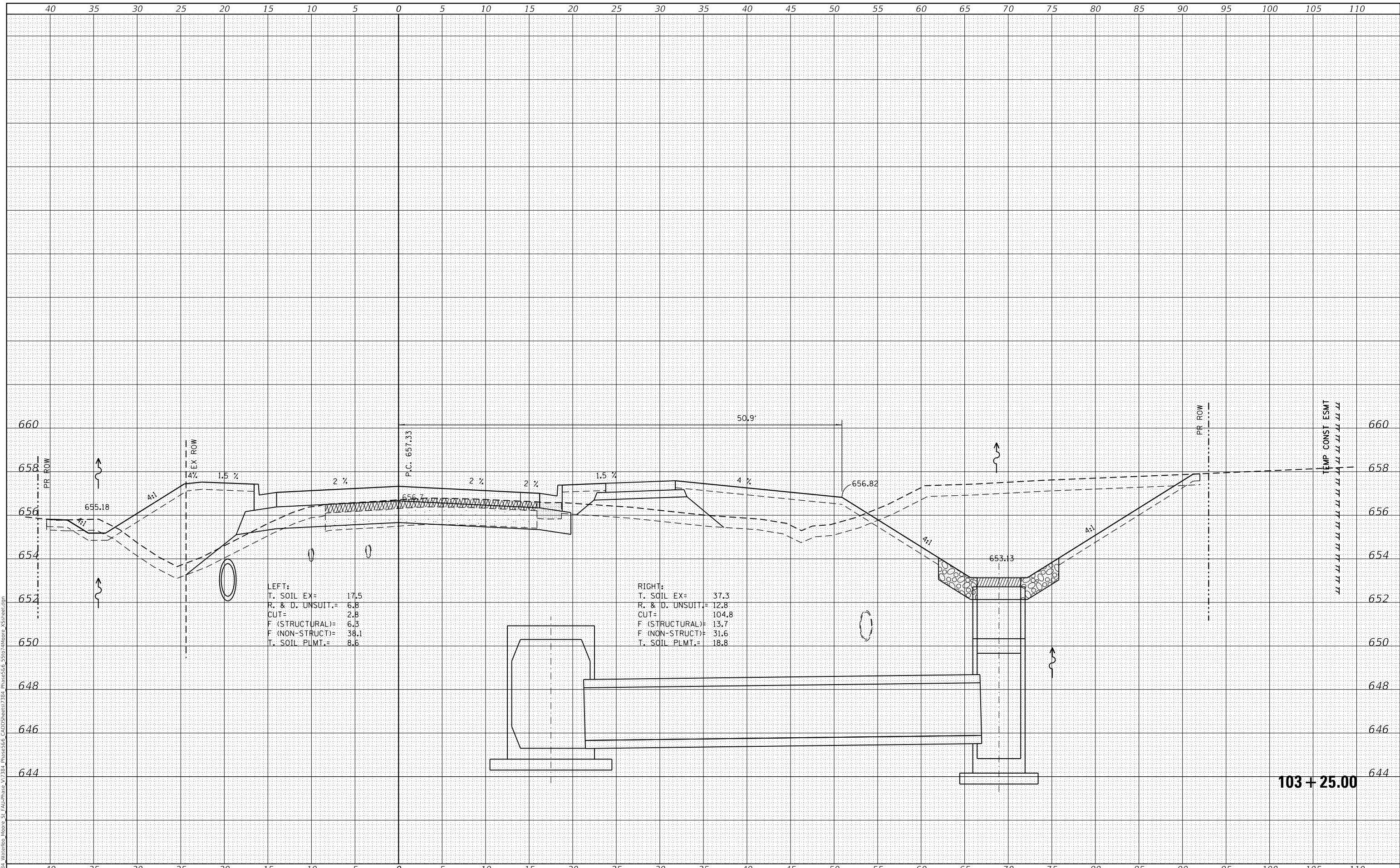




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|------------------|---------------|------|
| FINAL SURVEY NO. | SURVEYED      | DATE |
| NOTE BOOK        | PLOTTED       |      |
| AREAS CHECKED    | TEMPLATE      |      |
| AREAS CHECKED    | AREAS CHECKED |      |

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

MODEL: Default  
 FILE NAME: H:\384\_Waterloo\_Moore St-FALU-Phase 1-V17384-Phase556\_CADD\Sheet57384-Phase556\_556r-Moore St-section.dgn



103 + 25.00

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|  |   |
|--|---|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |   |
| SCALE:                                 | SHEET 6 OF 20 SHEETS STA. 103+25.00 TO STA. 103+25.00 |

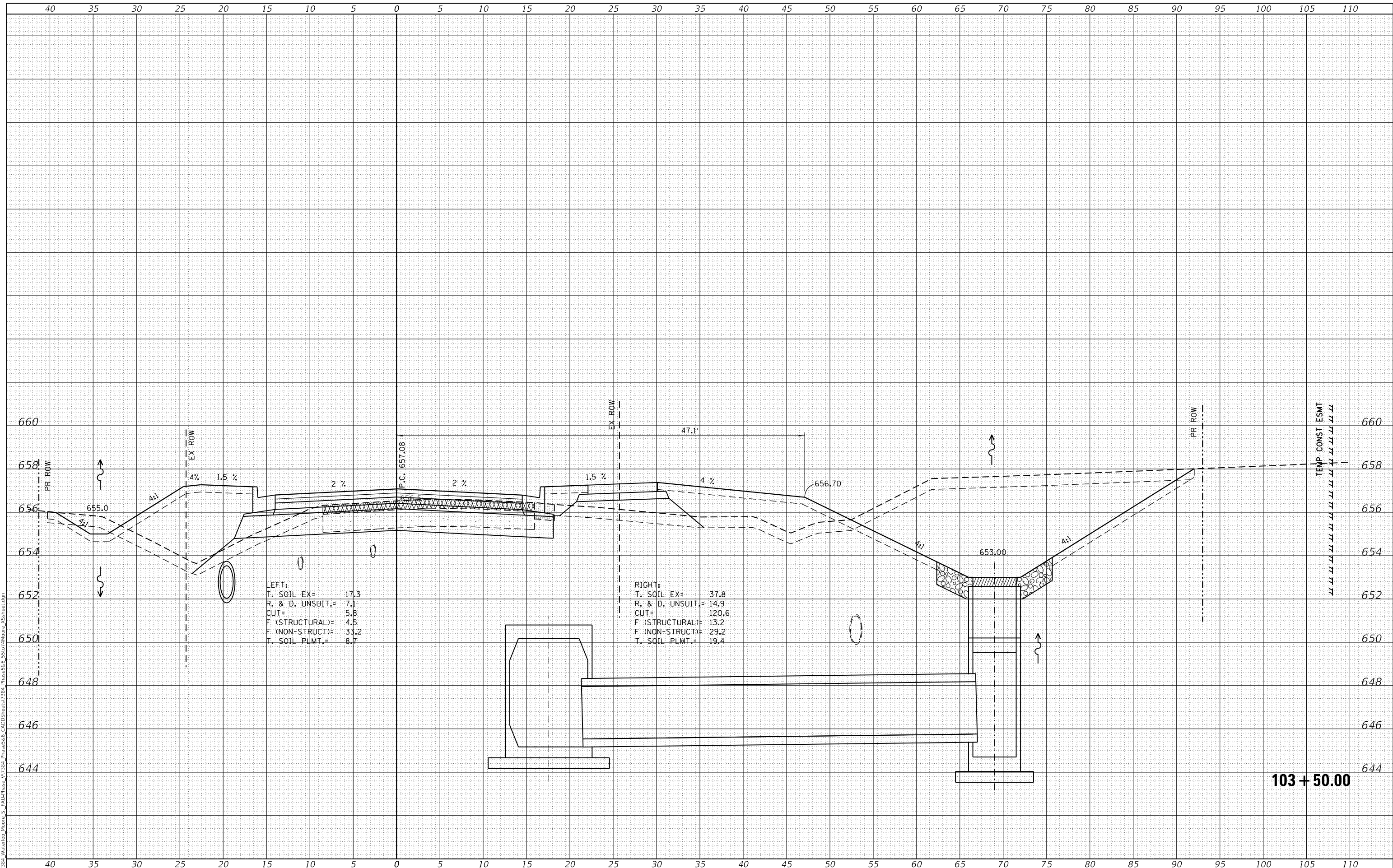
|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 60        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



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

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

MODEL: Default  
FILE NAME: I:\384\_Waterloo\_Moore St-FALU-Phase 1-V17384-Phase556\_CADD\Sheet57384-Phase556\_556r-Moore St-sheet.dgn



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|------------------------------|------------|----------|
| USER NAME = kjones           | DESIGNED - | REVISD - |
|                              | DRAWN -    | REVISD - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|        |         |              |                |                   |
|--------|---------|--------------|----------------|-------------------|
| SCALE: | SHEET 7 | OF 20 SHEETS | STA. 103+50.00 | TO STA. 103+50.00 |
|--------|---------|--------------|----------------|-------------------|

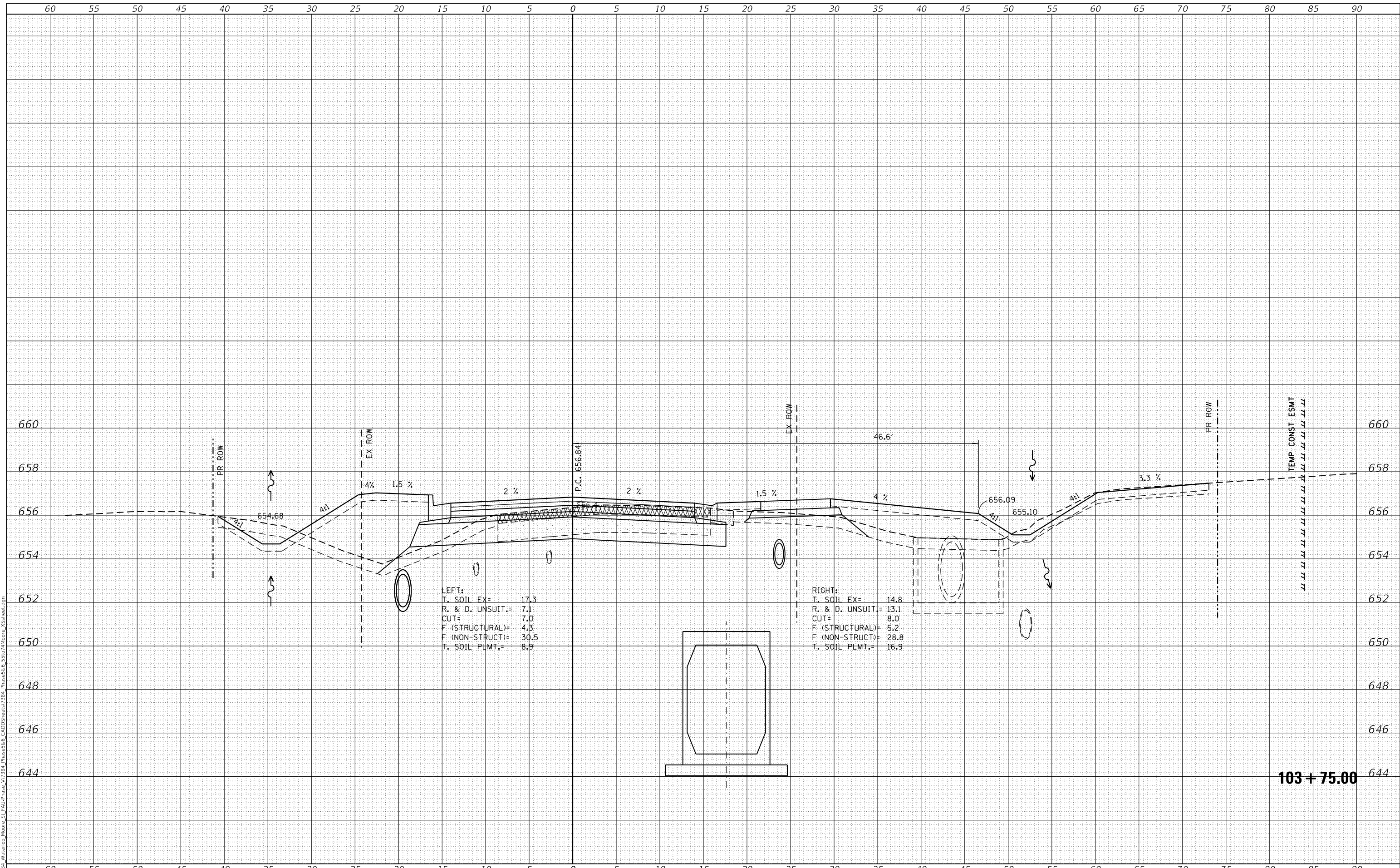
**CROSS SECTIONS  
MOORE STREET**

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 61        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore S - FALU-Phase 1\7384 - Phase 5 - CAD\Drawings\384 - Phase 5 - 5516 - Moore XS - street.dgn



LEFT:  
 T. SOIL EX= 17.3  
 R. & D. UNSUIT.= 7.1  
 CUT= 7.0  
 F (STRUCTURAL)= 4.5  
 F (NON-STRUCT)= 30.5  
 T. SOIL PLMT.= 8.9

RIGHT:  
 T. SOIL EX= 14.8  
 R. & D. UNSUIT.= 13.1  
 CUT= 8.0  
 F (STRUCTURAL)= 5.2  
 F (NON-STRUCT)= 28.8  
 T. SOIL PLMT.= 16.9

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjonas          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

SCALE: SHEET 8 OF 20 SHEETS STA. 103+75.00 TO STA. 103+75.00

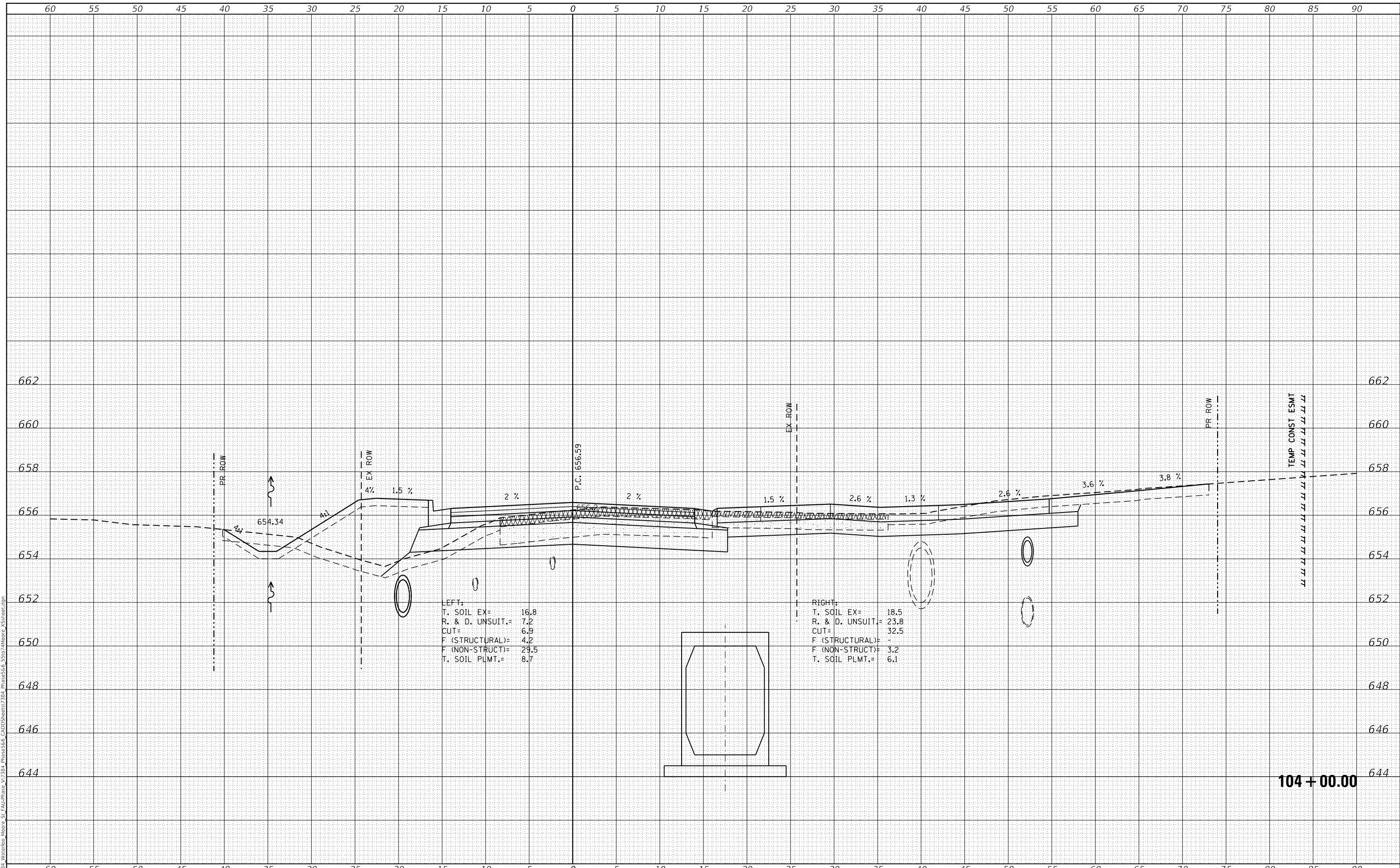
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|----------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE   | 132                | 62        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

**103 + 75.00**

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore S - F&P-Phase 1\7384 - Phase 5 - CAD\Drawings\384 - Phase 5 - 5519 - Moore XS - sheet.dgn



LEFT:  
 T. SOIL EX = 16.8  
 R. & D. UNSUIT. = 7.2  
 CUT = 6.9  
 F (STRUCTURAL) = 4.2  
 F (NON-STRUCT) = 29.5  
 T. SOIL PLMT. = 8.7

RIGHT:  
 T. SOIL EX = 18.5  
 R. & D. UNSUIT. = 23.8  
 CUT = 32.5  
 F (STRUCTURAL) = -  
 F (NON-STRUCT) = 3.2  
 T. SOIL PLMT. = 6.1

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

SCALE: SHEET 9 OF 20 SHEETS STA. 104+00.00 TO STA. 104+00.00

| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|-----------|----------------|--------|---------------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                       | 63        |
|           |                |        | CONTRACT NO. 97717        |           |
|           |                |        | ILLINOIS FED. AID PROJECT |           |

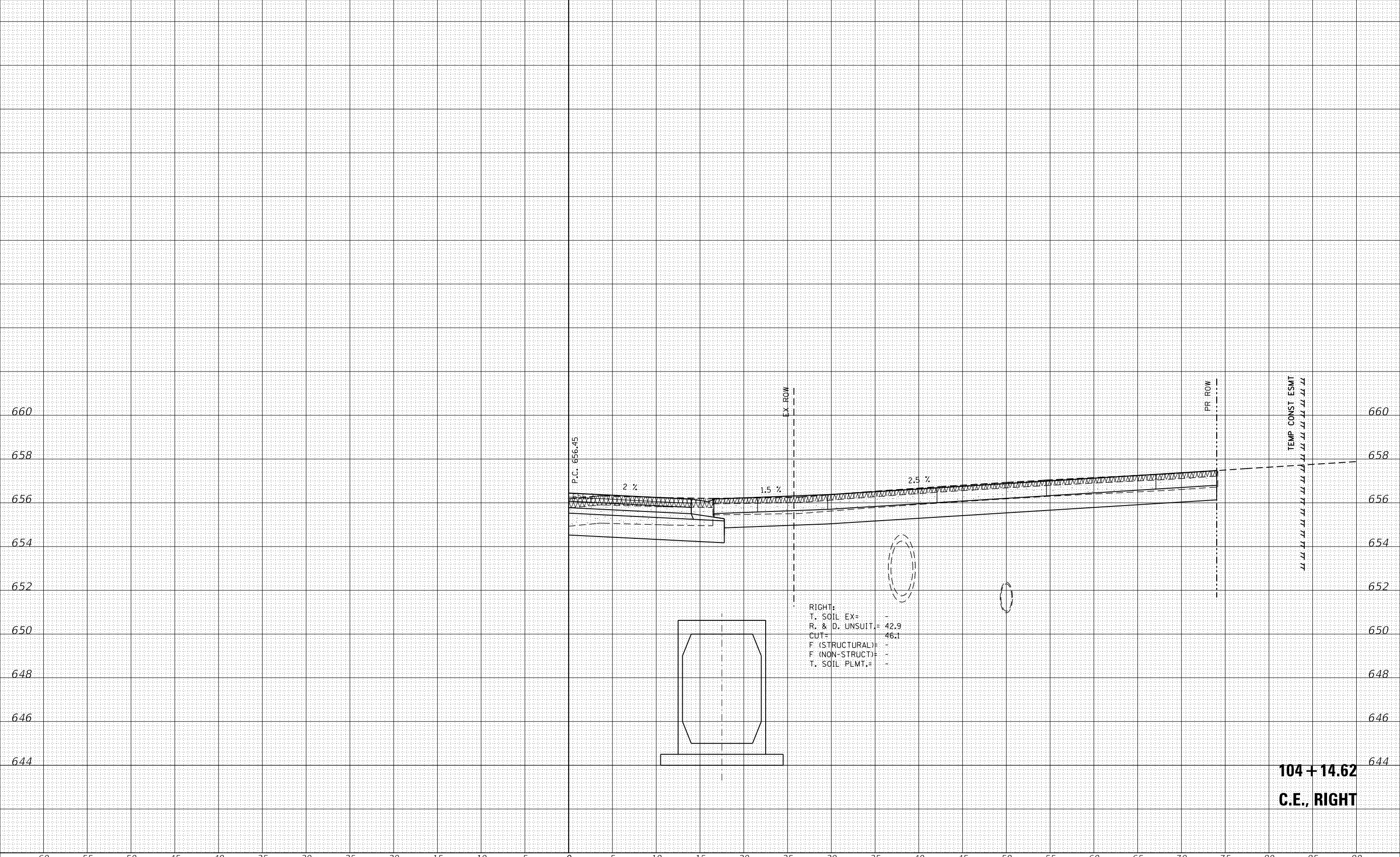
**104 + 00.00**

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90

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

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

MODEL: Default  
FILE NAME: H:\384 - Washboro - Moore St - F&P-Phase 1\17384 -Phase556 - CAD\Drawings\384 -Phase556\_556r-Moore XS.dwg



104 + 14.62  
C.E., RIGHT

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
| PLOT SCALE = 10.0000' / in. | DRAWN -    | REVISED - |
| PLOT DATE = 3/30/2021       | CHECKED -  | REVISED - |
|                             | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
MOORE STREET

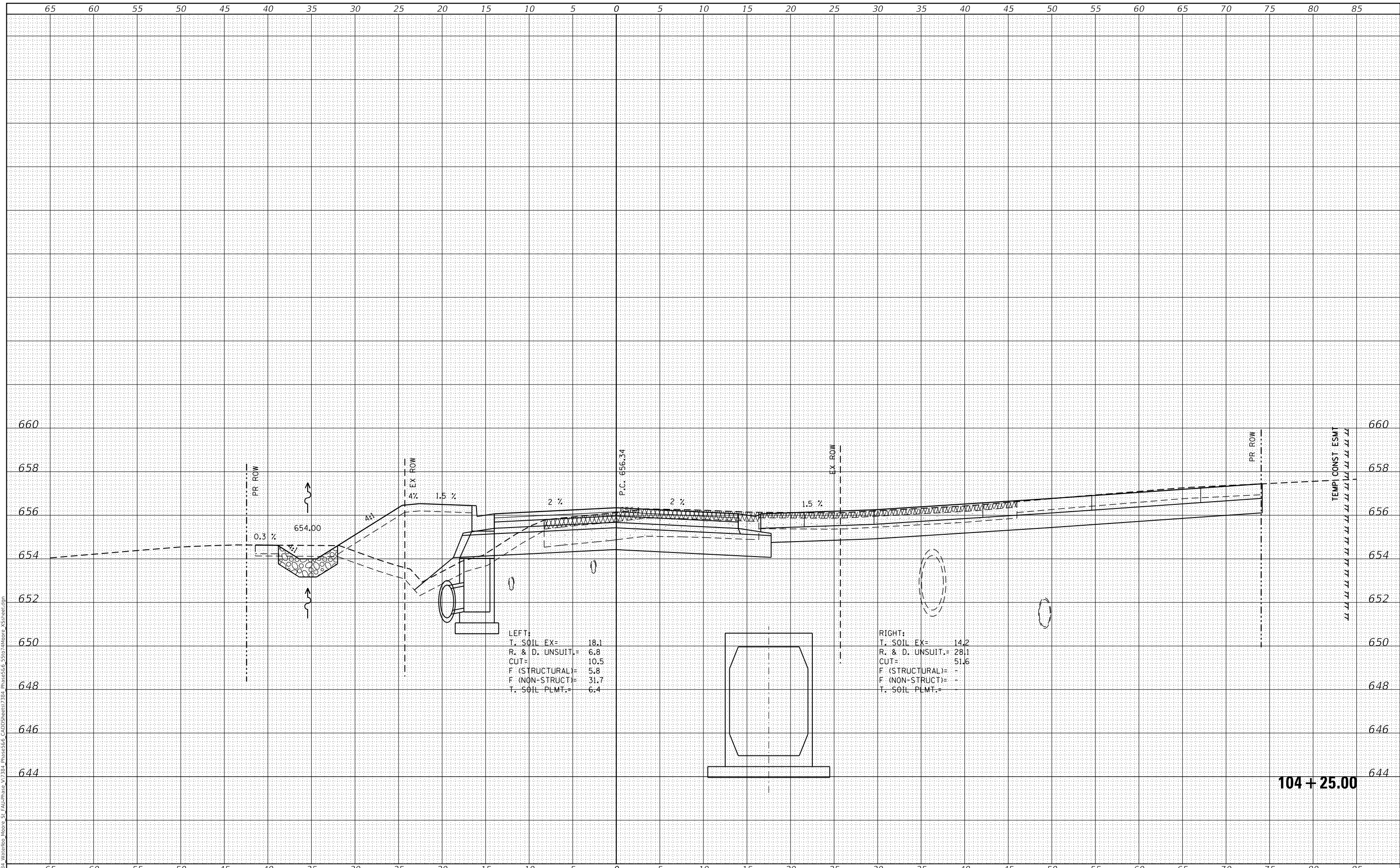
SCALE: SHEET 10 OF 20 SHEETS STA. 104+14.62 TO STA. 104+14.62

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
| 9315                      | 15-00032-04-PV | MONROE | 132                | 64        |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waukegan - Moore St - Full-Phase V17384 - Phase5CG - CAD\Drawings\384 - Phase5CG\_5516 - Moore XS.dwg



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = k.jones          | DESIGNED - | REvised - |
|                              | DRAWN -    | REvised - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REvised - |
| PLOT DATE = 3/30/2021        | DATE -     | REvised - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|  |                                  |
|--|----------------------------------|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |                                  |
| SCALE:                                 | SHEET 11 OF 20 SHEETS            |
|  | STA. 104+25.00 TO STA. 104+25.00 |

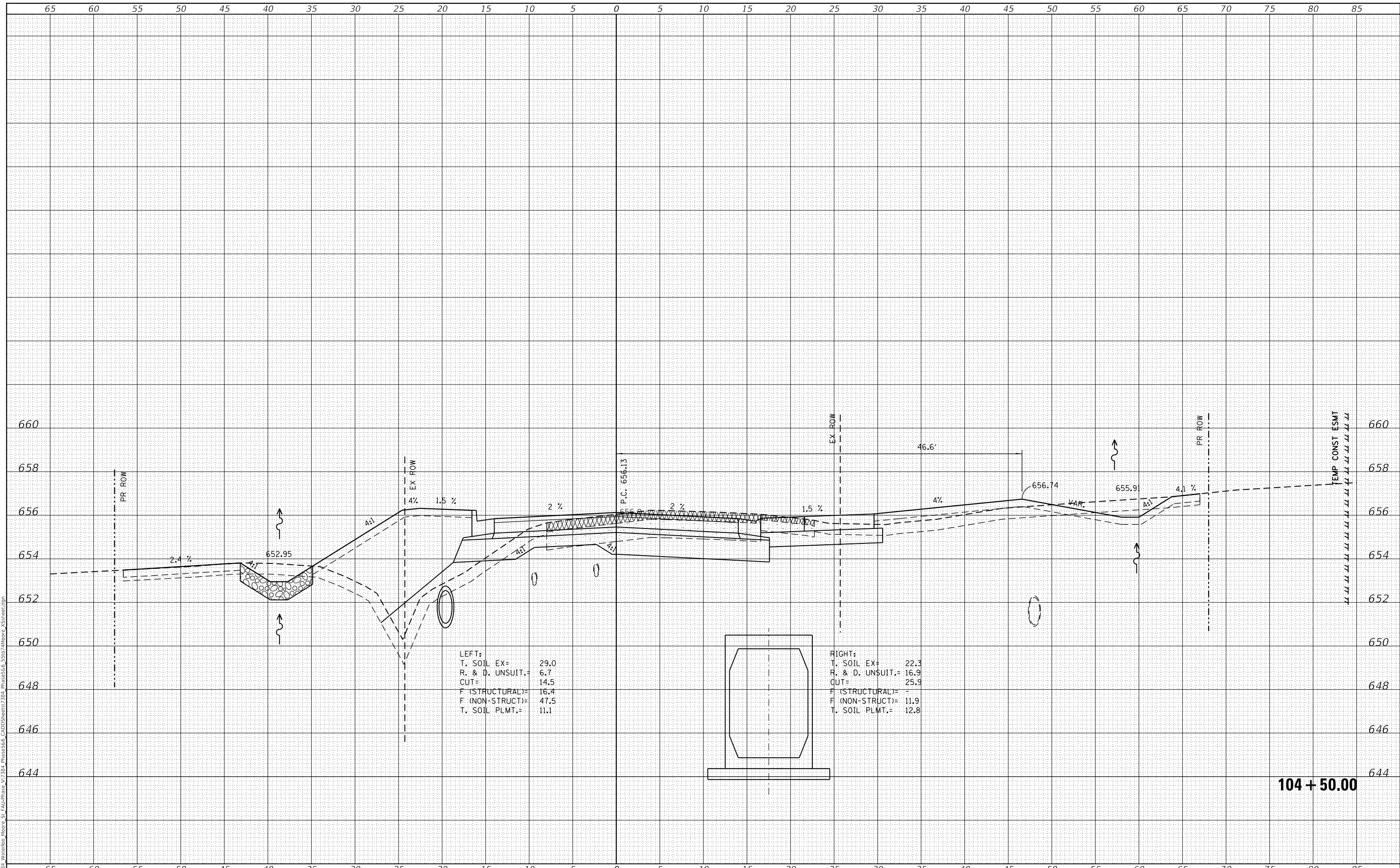
| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|--------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                | 65        |
| ILLINOIS  |                |        | FED. AID PROJECT   |           |
|           |                |        | CONTRACT NO. 97717 |           |



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

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

MODEL: Default  
 FILE NAME: H:\384 - Waukegan - Moore St - Full-Phase 1 - V17384 - Phase 5 - CAD\Drawings\384 - Phase 5 - 5517 - Moore St - Section.dgn



LEFT:  
 T. SOIL EX.= 29.0  
 R. & D. UNSUIT.= 6.7  
 CUT= 14.5  
 F (STRUCTURAL)= 16.4  
 F (NON-STRUCT)= 47.5  
 T. SOIL PLMT.= 11.1

RIGHT:  
 T. SOIL EX.= 22.3  
 R. & D. UNSUIT.= 16.9  
 CUT= 25.9  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 11.9  
 T. SOIL PLMT.= 12.8

**104 + 50.00**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

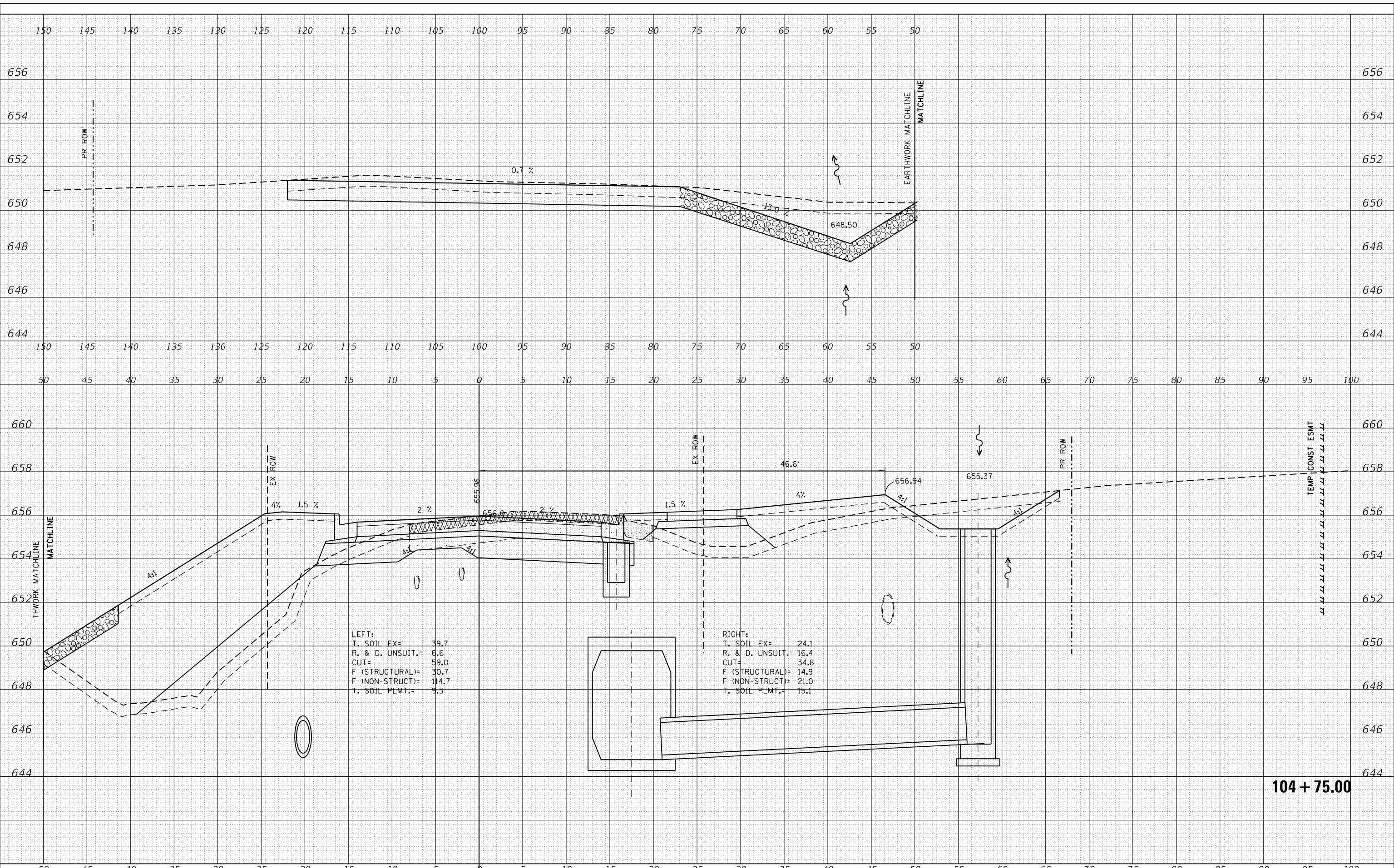
SCALE: SHEET 12 OF 20 SHEETS STA. 104+50.00 TO STA. 104+50.00

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
| 9315                      | 15-00032-04-PV | MONROE | 132          | 66        |
| CONTRACT NO. 97717        |                |        |              |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

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

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

MODEL: Definit  
 FILE NAME: H:\384\_Waterbldg\_Moore St-FALU-Phase 1-V17384\_Phase556\_CADD\Sheet57384\_Phase556\_556-FMoore-XSsheet.dgn



LEFT:  
 T. SOIL EX.= 39.7  
 R. & D. UNSUIT.= 6.6  
 CUT= 59.0  
 F (STRUCTURAL)= 30.7  
 F (NON-STRUCT)= 114.7  
 T. SOIL PLMT.= 9.3

RIGHT:  
 T. SOIL EX.= 24.1  
 R. & D. UNSUIT.= 16.4  
 CUT= 34.8  
 F (STRUCTURAL)= 14.9  
 F (NON-STRUCT)= 21.0  
 T. SOIL PLMT.= 15.1

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|                             |            |          |
|-----------------------------|------------|----------|
| USER NAME = kjones          | DESIGNED - | REVISD - |
|                             | DRAWN -    | REVISD - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISD - |

SCALE: SHEET 13 OF 20 SHEETS STA. 104+75.00 TO STA. 104+75.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 67        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

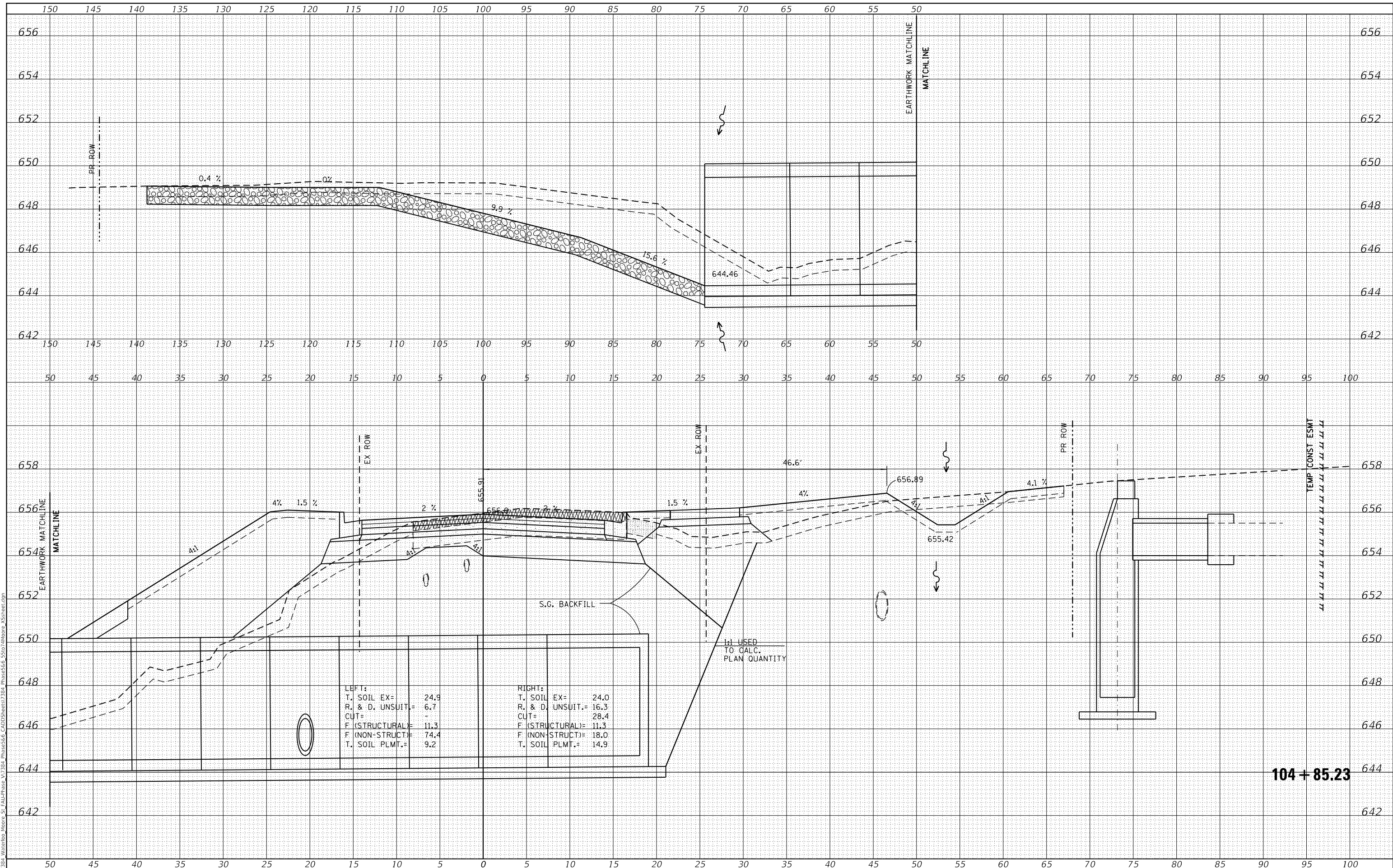
**104 + 75.00**



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

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

MODEL: Definit  
 FILE NAME: I:\380\_Waterbldg\_Moore S-FALU-Phase 1-V17384-Phase5CG\_CADD\Sheet\384-Phase5CG\_551g-Moore XSsheet.dgn



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|              |               |
|--------------|---------------|
| USER NAME =  | kjones        |
| DESIGNED -   | REVISD -      |
| DRAWN -      | REVISD -      |
| PLOT SCALE = | 10.0000 "/td> |
| CHECKED -    | REVISD -      |
| DATE -       | REVISD -      |
| PLOT DATE =  | 3/30/2021     |

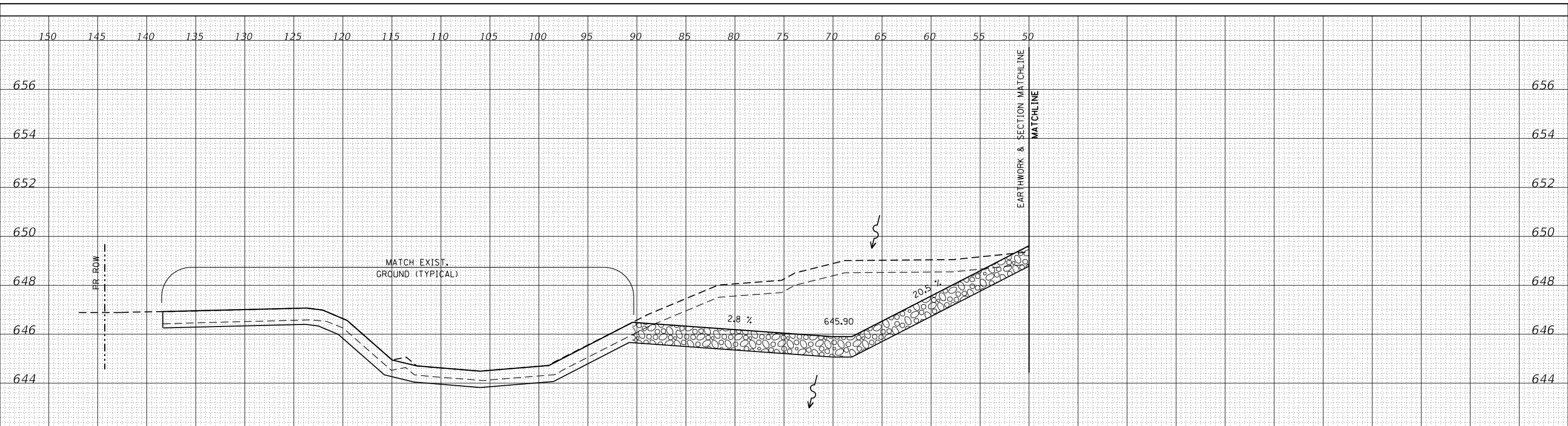
|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

SCALE: SHEET 14 OF 20 SHEETS STA. 104+85.23 TO STA. 104+85.23

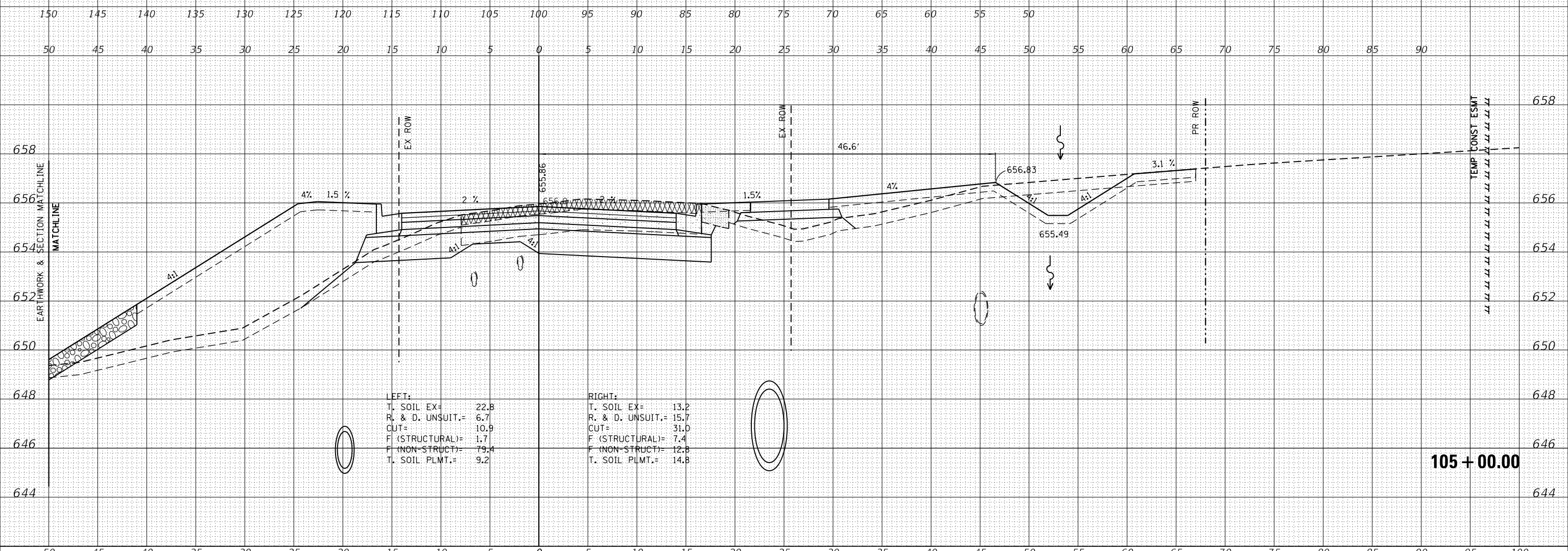
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|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 68        |
|                           |                |        | CONTRACT NO. | 97717     |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

**104 + 85.23**

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



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



|                  |      |                  |      |
|------------------|------|------------------|------|
| <b>LEFT:</b>     |      | <b>RIGHT:</b>    |      |
| T. SOIL EX=      | 22.8 | T. SOIL EX=      | 13.2 |
| R. & D. UNSUIT.= | 6.7  | R. & D. UNSUIT.= | 15.7 |
| CUT=             | 10.9 | CUT=             | 31.0 |
| F (STRUCTURAL)=  | 1.7  | F (STRUCTURAL)=  | 7.4  |
| F (NON-STRUCT)=  | 79.4 | F (NON-STRUCT)=  | 12.8 |
| T. SOIL PLMT.=   | 9.2  | T. SOIL PLMT.=   | 14.8 |

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

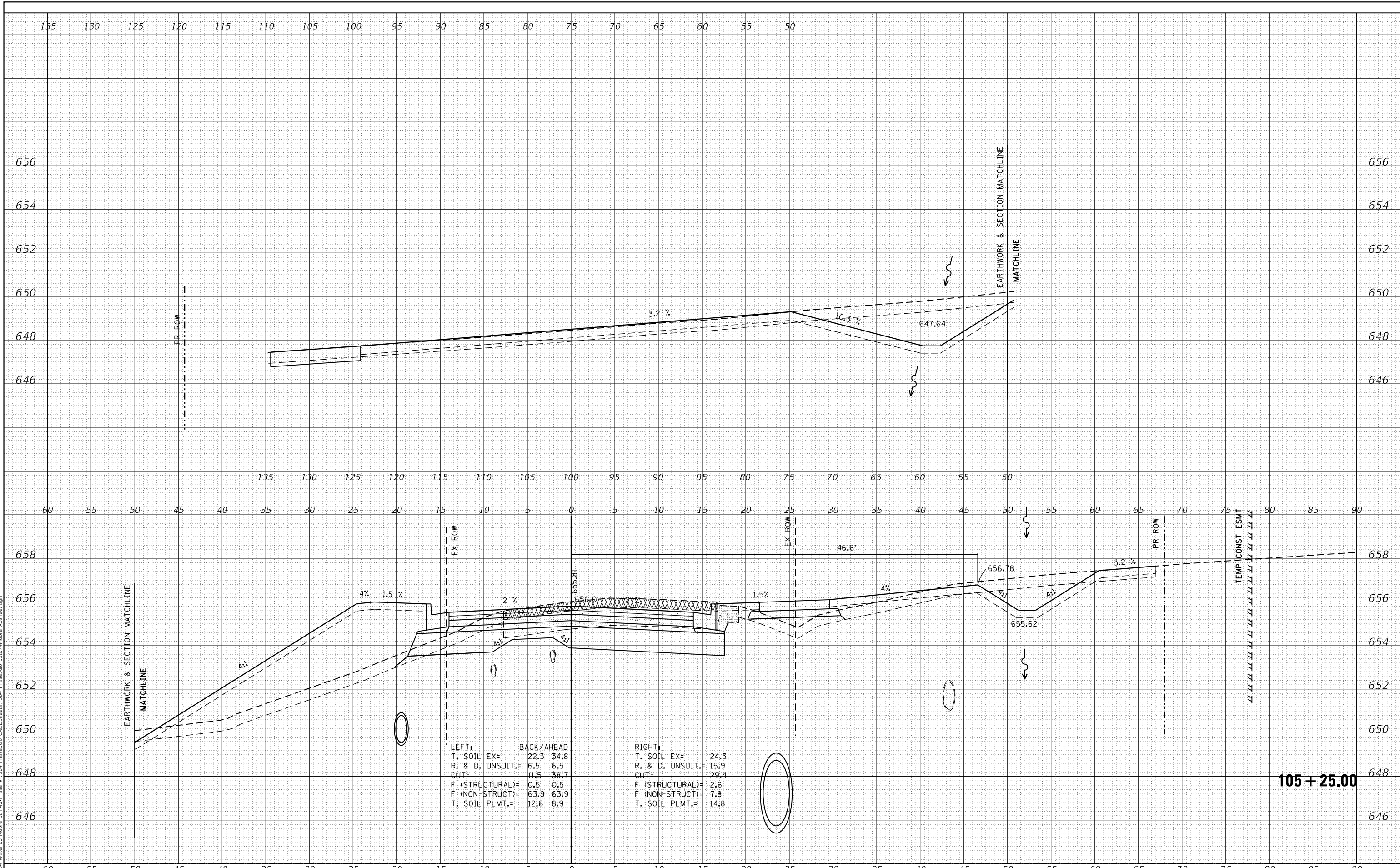
SCALE: SHEET 15 OF 20 SHEETS STA. 105+00.00 TO STA. 105+00.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 69        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

|               |  |
|---------------|--|
| DATE          |  |
| BY            |  |
| SURVEYED      |  |
| PLOTTED       |  |
| TEMPLATE      |  |
| NOTE BOOK     |  |
| AREAS CHECKED |  |

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|---------------|--|
| DATE          |  |
| BY            |  |
| SURVEYED      |  |
| PLOTTED       |  |
| TEMPLATE      |  |
| NOTE BOOK     |  |
| AREAS CHECKED |  |

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore S - FALU-Phase V17384 -Phase556 - CAD\Drawings\384 -Phase556 - 556g - Moore XS.dwg



|                  |            |                  |      |
|------------------|------------|------------------|------|
| LEFT:            | BACK/AHEAD | RIGHT:           |      |
| T. SOIL EX=      | 22.3 34.8  | T. SOIL EX=      | 24.3 |
| R. & D. UNSUIT.= | 6.5 6.5    | R. & D. UNSUIT.= | 15.9 |
| CUT=             | 11.5 38.7  | CUT=             | 29.4 |
| F (STRUCTURAL)=  | 0.5 0.5    | F (STRUCTURAL)=  | 2.6  |
| F (NON-STRUCT)=  | 63.9 63.9  | F (NON-STRUCT)=  | 7.8  |
| T. SOIL PLMT.=   | 12.6 8.9   | T. SOIL PLMT.=   | 14.8 |

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

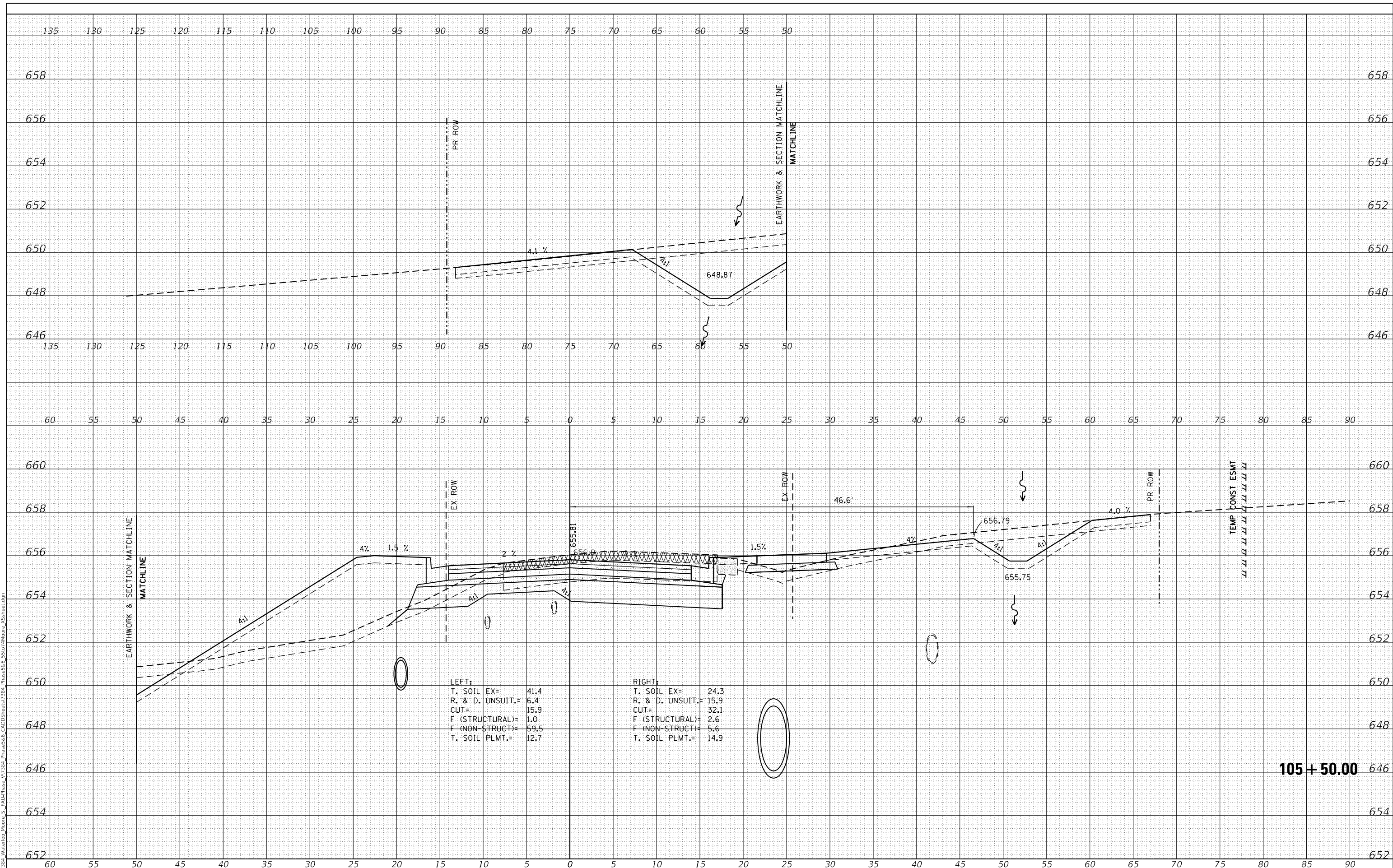
|  |          |              |                                  |
|--|----------|--------------|----------------------------------|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |          |              |                                  |
| SCALE:                                 | SHEET 16 | OF 20 SHEETS | STA. 105+25.00 TO STA. 105+25.00 |

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 70        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore S - FALU-Phase 4 - V17384 - Phase 5 CG - CAD\Drawings\384 - Phase 5 CG - 5516 - Moore XS.dwg



|                  |      |                  |      |
|------------------|------|------------------|------|
| <b>LEFT:</b>     |      | <b>RIGHT:</b>    |      |
| T. SOIL EX=      | 41.4 | T. SOIL EX=      | 24.3 |
| R. & D. UNSUIT.= | 6.4  | R. & D. UNSUIT.= | 15.9 |
| CUT=             | 15.9 | CUT=             | 32.1 |
| F (STRUCTURAL)=  | 1.0  | F (STRUCTURAL)=  | 2.6  |
| F (NON-STRUCT)=  | 59.5 | F (NON-STRUCT)=  | 5.6  |
| T. SOIL PLMT.=   | 12.7 | T. SOIL PLMT.=   | 14.9 |

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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| <b>CROSS SECTIONS<br/>MOORE STREET</b> |  |
| SCALE:                                 | SHEET 17 OF 20 SHEETS STA. 105+50.00 TO STA. 105+50.00 |

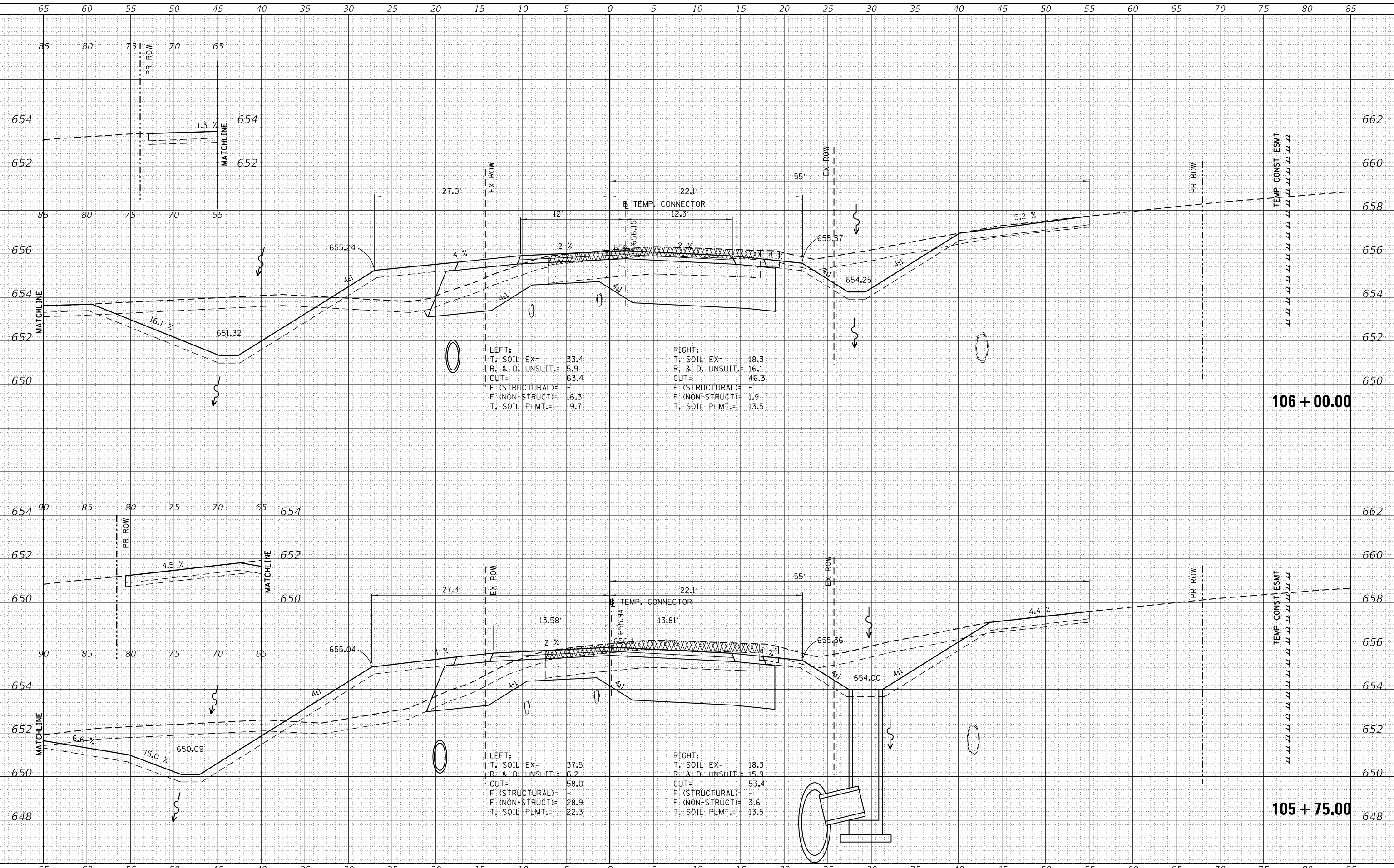
|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 71        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |



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

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

MODEL: Definit  
 FILE NAME: I:\384\_Waterbldg\_Moore St-FAL-Phase V17384-Phase5CG\_CADD\Sheet\384\_Phase5CG\_535g-Moore St-struct.dgn



|                      |                       |
|----------------------|-----------------------|
| LEFT:                | RIGHT:                |
| T. SOIL EX= 33.4     | T. SOIL EX= 18.3      |
| R. & D. UNSUIT.= 5.9 | R. & D. UNSUIT.= 16.1 |
| CUT= 63.4            | CUT= 46.3             |
| F (STRUCTURAL)=      | F (STRUCTURAL)=       |
| F (NON-STRUCT)= 16.3 | F (NON-STRUCT)= 1.9   |
| T. SOIL PLMT.= 19.7  | T. SOIL PLMT.= 13.5   |

|                      |                       |
|----------------------|-----------------------|
| LEFT:                | RIGHT:                |
| T. SOIL EX= 37.5     | T. SOIL EX= 18.3      |
| R. & D. UNSUIT.= 6.2 | R. & D. UNSUIT.= 15.9 |
| CUT= 58.0            | CUT= 53.4             |
| F (STRUCTURAL)=      | F (STRUCTURAL)=       |
| F (NON-STRUCT)= 28.9 | F (NON-STRUCT)= 3.6   |
| T. SOIL PLMT.= 22.3  | T. SOIL PLMT.= 13.5   |

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

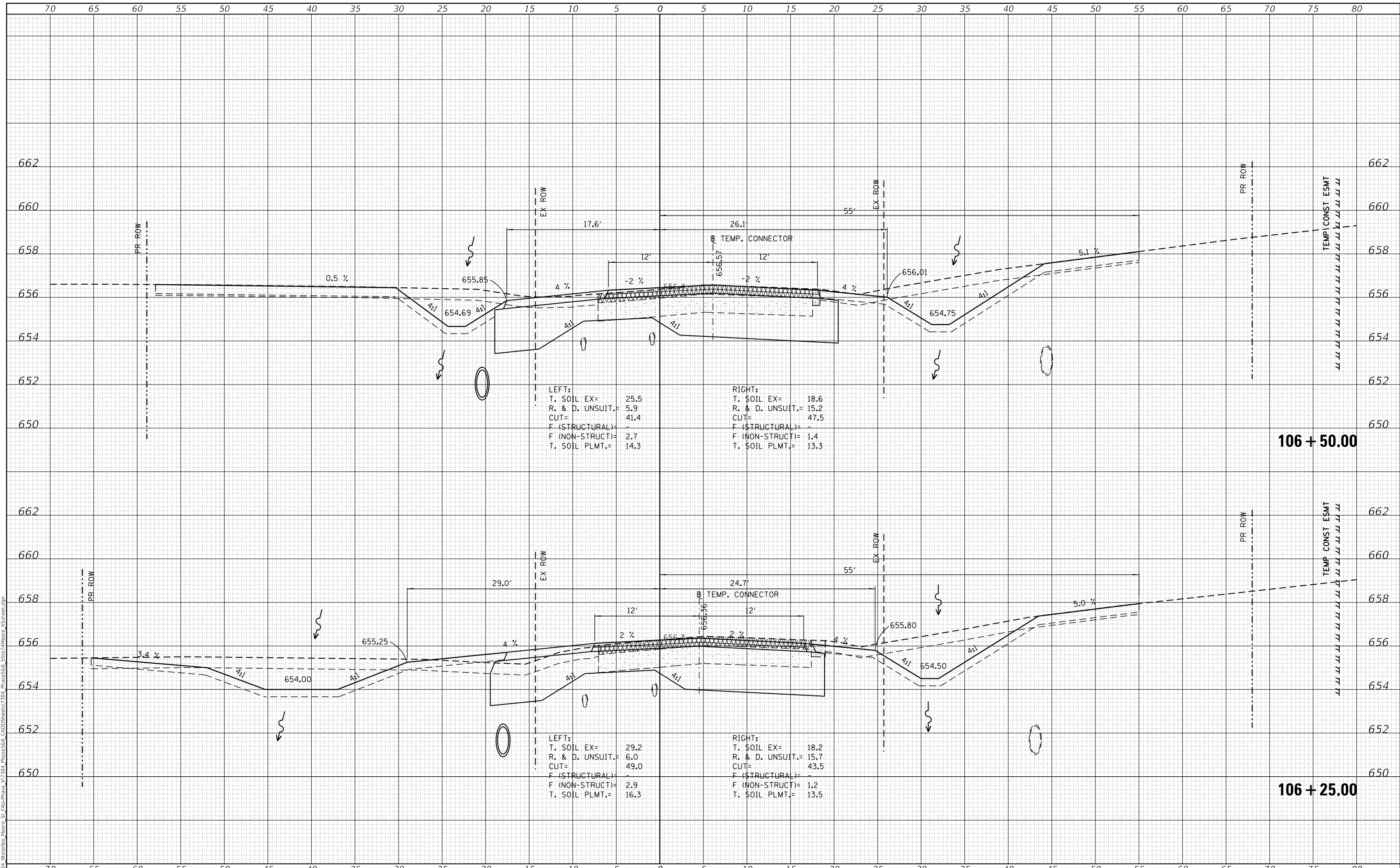
SCALE: SHEET 18 OF 20 SHEETS STA. 105+75.00 TO STA. 106+00.00

|                           |                |        |                    |           |
|---------------------------|----------------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132                | 72        |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |

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

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

MODEL: Default  
 FILE NAME: H:\384\_Waterloo\_Moore St-Final-Phase 1-V17384-Phase556\_CADD\Sheet57384-Phase556\_556-Moore St-struct.dgn



|                  |      |  |
|------------------|------|--|
| LEFT:            |      |  |
| T. SOIL EX=      | 25.5 |  |
| R. & D. UNSUIT.= | 5.9  |  |
| CUT=             | 41.4 |  |
| F (STRUCTURAL)=  |      |  |
| F (NON-STRUCT)=  | 2.7  |  |
| T. SOIL PLMT.=   | 14.3 |  |

|                  |      |  |
|------------------|------|--|
| RIGHT:           |      |  |
| T. SOIL EX=      | 18.6 |  |
| R. & D. UNSUIT.= | 15.2 |  |
| CUT=             | 47.5 |  |
| F (STRUCTURAL)=  |      |  |
| F (NON-STRUCT)=  | 1.4  |  |
| T. SOIL PLMT.=   | 13.3 |  |

|                  |      |  |
|------------------|------|--|
| LEFT:            |      |  |
| T. SOIL EX=      | 29.2 |  |
| R. & D. UNSUIT.= | 6.0  |  |
| CUT=             | 49.0 |  |
| F (STRUCTURAL)=  |      |  |
| F (NON-STRUCT)=  | 2.9  |  |
| T. SOIL PLMT.=   | 16.3 |  |

|                  |      |  |
|------------------|------|--|
| RIGHT:           |      |  |
| T. SOIL EX=      | 18.2 |  |
| R. & D. UNSUIT.= | 15.7 |  |
| CUT=             | 43.5 |  |
| F (STRUCTURAL)=  |      |  |
| F (NON-STRUCT)=  | 1.2  |  |
| T. SOIL PLMT.=   | 13.5 |  |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|               |                |
|---------------|----------------|
| USER NAME =   | kjones         |
| DESIGNED -    |                |
| DRAWN -       |                |
| PLLOT SCALE = | 10.0000' / in. |
| PLLOT DATE =  | 3/30/2021      |

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

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| REVISED - |  |

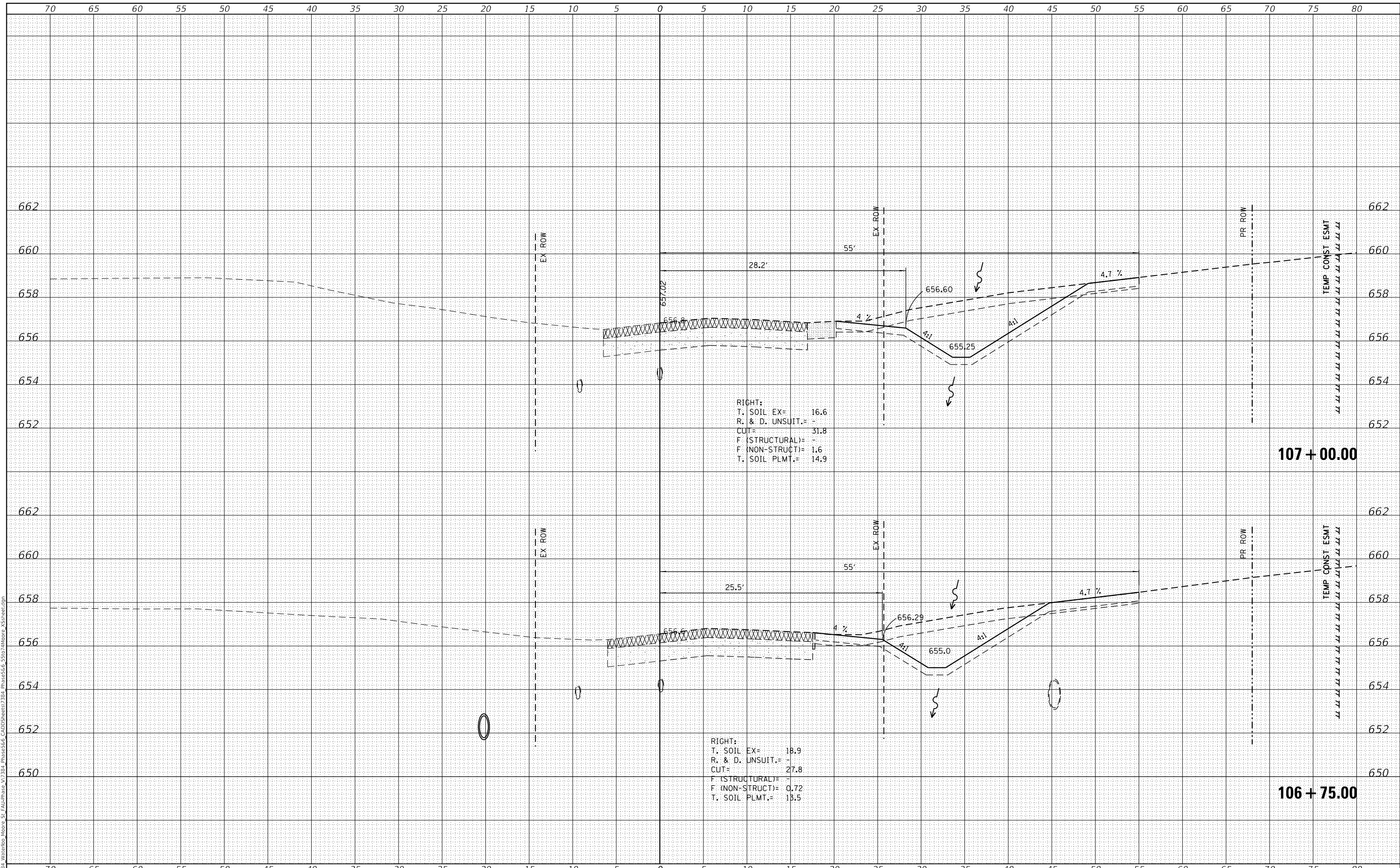
SCALE: SHEET 19 OF 20 SHEETS STA. 106+25.00 TO STA. 106+50.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 73        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore S - Fall-Phase 1\7384 - Phase556 - CAD\Drawings\384 - Phase556 - 556-A-Moore XS.dwg



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

SCALE: SHEET 20 OF 20 SHEETS STA. 106+75.00 TO STA. 107+00.00

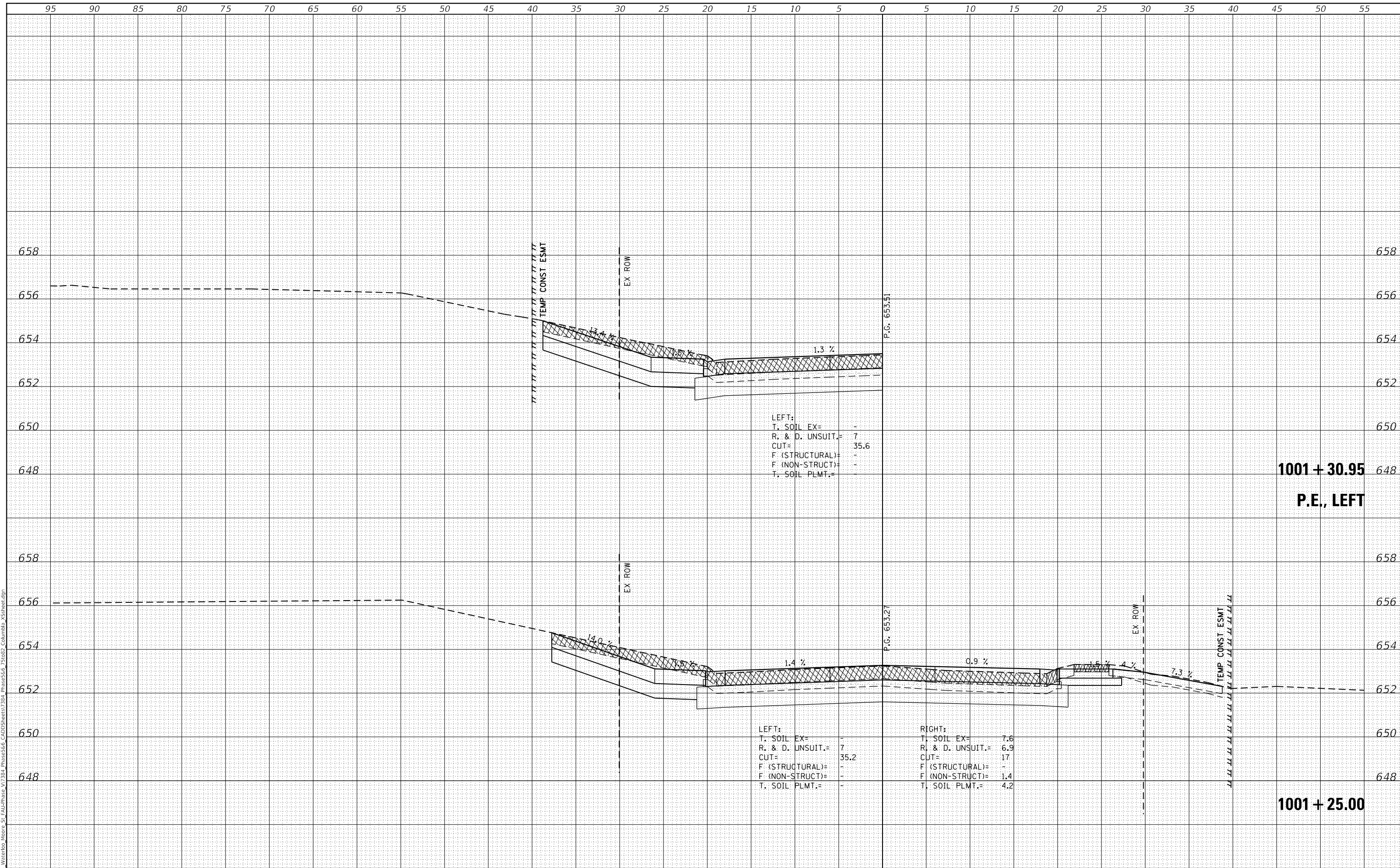
|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 74        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |



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

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

MODEL: Default  
 FILE NAME: I:\384\_Waterloo\_Moore\_S-FALU-Phase\_V17384-Phase5CG\_CADD\Sheet5384-Phase5CG\_751622\_Columbia\_XSheet.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 COLUMBIA AVENUE**

SCALE: SHEET 1 OF 8 SHEETS STA. 1000+25.00 TO STA. 1001+30.95

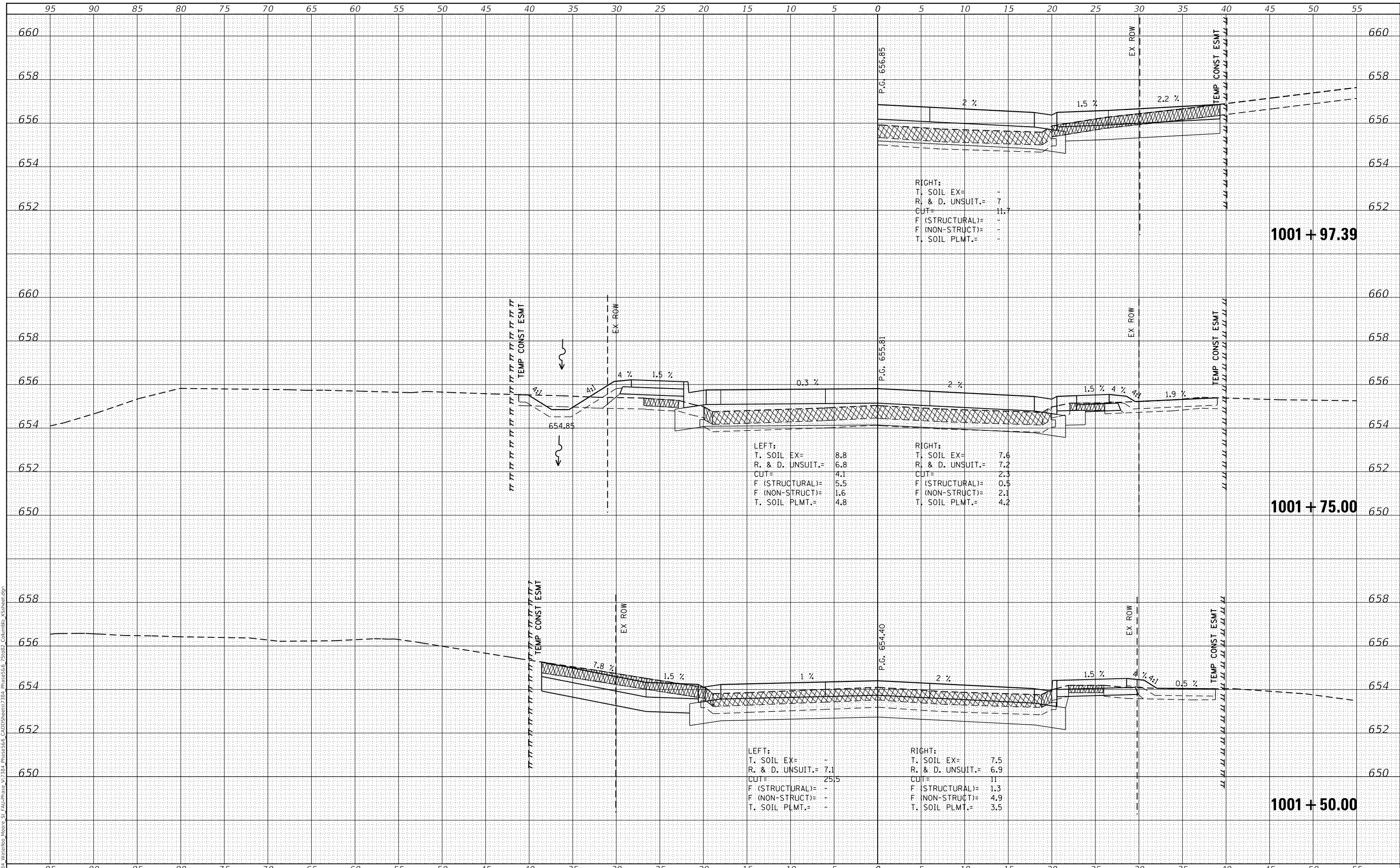
| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|--------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                | 75        |
|           |                |        | CONTRACT NO. 97717 |           |

ILLINOIS FED. AID PROJECT

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

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

MODEL: Default  
 FILE NAME: I:\384\_Waterloo\_Moore\_S-FALU-Phase\_V17384-Phase5CG\_CADD\Sheet57384-Phase5CG\_75602\_Columbia\_XSheet.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

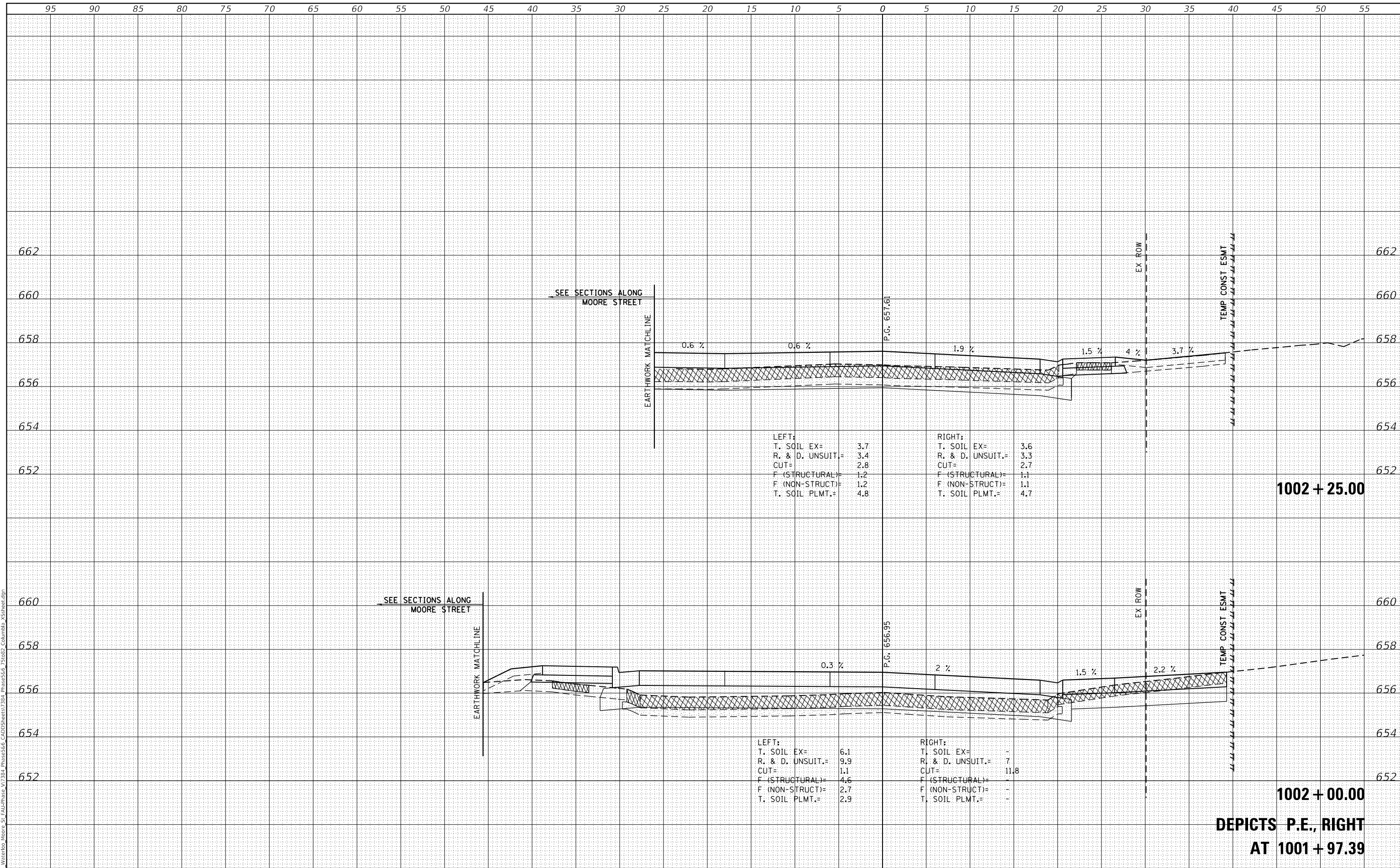
|   |         |             |                                    |
|---|---------|-------------|------------------------------------|
| <b>CROSS SECTIONS<br/>COLUMBIA AVENUE</b> |         |             |                                    |
| SCALE:                                    | SHEET 2 | OF 8 SHEETS | STA. 1001+50.00 TO STA. 1001+97.39 |

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 76        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Default  
FILE NAME: H:\384\_Waterloo\_Moore\_S-FALU-Phase 1-V17384-Phase556\_CADD\Sheet57384-Phase556\_75682\_Columbia\_XSheet.dgn



|                      |                      |
|----------------------|----------------------|
| LEFT:                | RIGHT:               |
| T. SOIL EX= 3.7      | T. SOIL EX= 3.6      |
| R. & D. UNSUIT.= 3.4 | R. & D. UNSUIT.= 3.3 |
| CUT= 2.8             | CUT= 2.7             |
| F (STRUCTURAL)= 1.2  | F (STRUCTURAL)= 1.1  |
| F (NON-STRUCT)= 1.2  | F (NON-STRUCT)= 1.1  |
| T. SOIL PLMT.= 4.8   | T. SOIL PLMT.= 4.7   |

|                      |                    |
|----------------------|--------------------|
| LEFT:                | RIGHT:             |
| T. SOIL EX= 6.1      | T. SOIL EX= -      |
| R. & D. UNSUIT.= 9.9 | R. & D. UNSUIT.= 7 |
| CUT= 1.1             | CUT= 11.8          |
| F (STRUCTURAL)= 4.6  | F (STRUCTURAL)= -  |
| F (NON-STRUCT)= 2.7  | F (NON-STRUCT)= -  |
| T. SOIL PLMT.= 2.9   | T. SOIL PLMT.= -   |

**1002 + 00.00**  
**DEPICTS P.E., RIGHT**  
**AT 1001 + 97.39**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**COLUMBIA AVENUE**

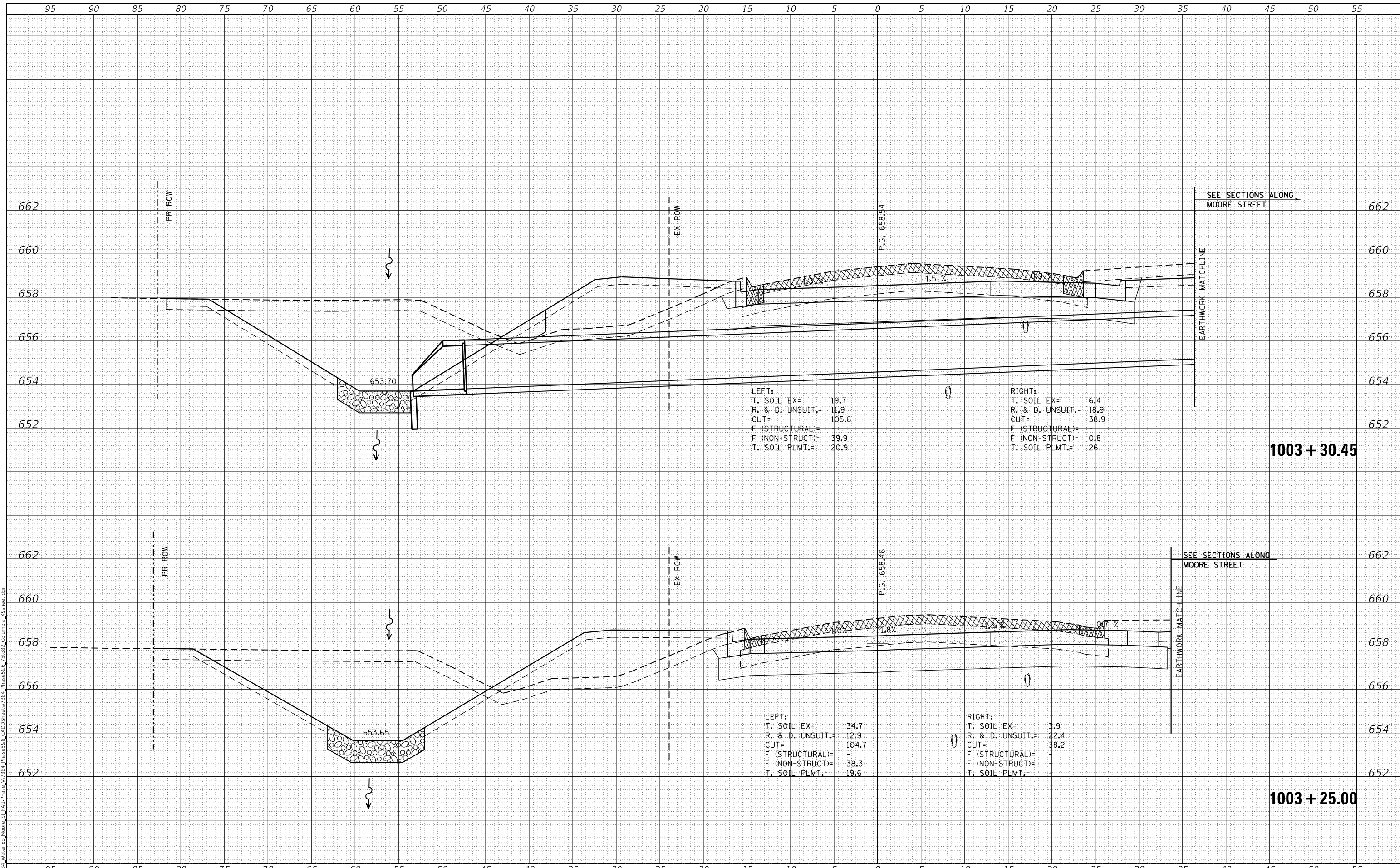
SCALE: SHEET 3 OF 8 SHEETS STA. 1002+00.00 TO STA. 1002+25.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 77        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
 FILE NAME: I:\384\_Waterloo\_Moore St-F&P-Phase 1\7384-Phase5-EG\_CADD\Sheet57384-Phase5-EG\_Columbia\_XSheet.dgn



LEFT:  
 T. SOIL EX.= 19.7  
 R. & D. UNSUIT.= 11.9  
 CUT= 105.8  
 F (STRUCTURAL)=  
 F (NON-STRUCT)= 39.9  
 T. SOIL PLMT.= 20.9

RIGHT:  
 T. SOIL EX.= 6.4  
 R. & D. UNSUIT.= 18.9  
 CUT= 38.9  
 F (STRUCTURAL)=  
 F (NON-STRUCT)= 0.8  
 T. SOIL PLMT.= 26

LEFT:  
 T. SOIL EX.= 34.7  
 R. & D. UNSUIT.= 12.9  
 CUT= 104.7  
 F (STRUCTURAL)=  
 F (NON-STRUCT)= 38.3  
 T. SOIL PLMT.= 19.6

RIGHT:  
 T. SOIL EX.= 3.9  
 R. & D. UNSUIT.= 22.4  
 CUT= 38.2  
 F (STRUCTURAL)=  
 F (NON-STRUCT)=  
 T. SOIL PLMT.=

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 COLUMBIA AVENUE**

|                             |            |            |
|-----------------------------|------------|------------|
| USER NAME = k.jones         | DESIGNED - | REVISIED - |
|                             | DRAWN -    | REVISIED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISIED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISIED - |

SCALE: SHEET 4 OF 8 SHEETS STA. 1003+25.00 TO STA. 1003+30.45

| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|-----------|----------------|--------|--------------------|-----------|
| 9315      | 15-00032-04-PV | MONROE | 132                | 78        |
|           |                |        | CONTRACT NO. 97717 |           |

**1003 + 30.45**

**1003 + 25.00**

SEE SECTIONS ALONG  
 MOORE STREET

SEE SECTIONS ALONG  
 MOORE STREET

EARTHWORK MATCHLINE

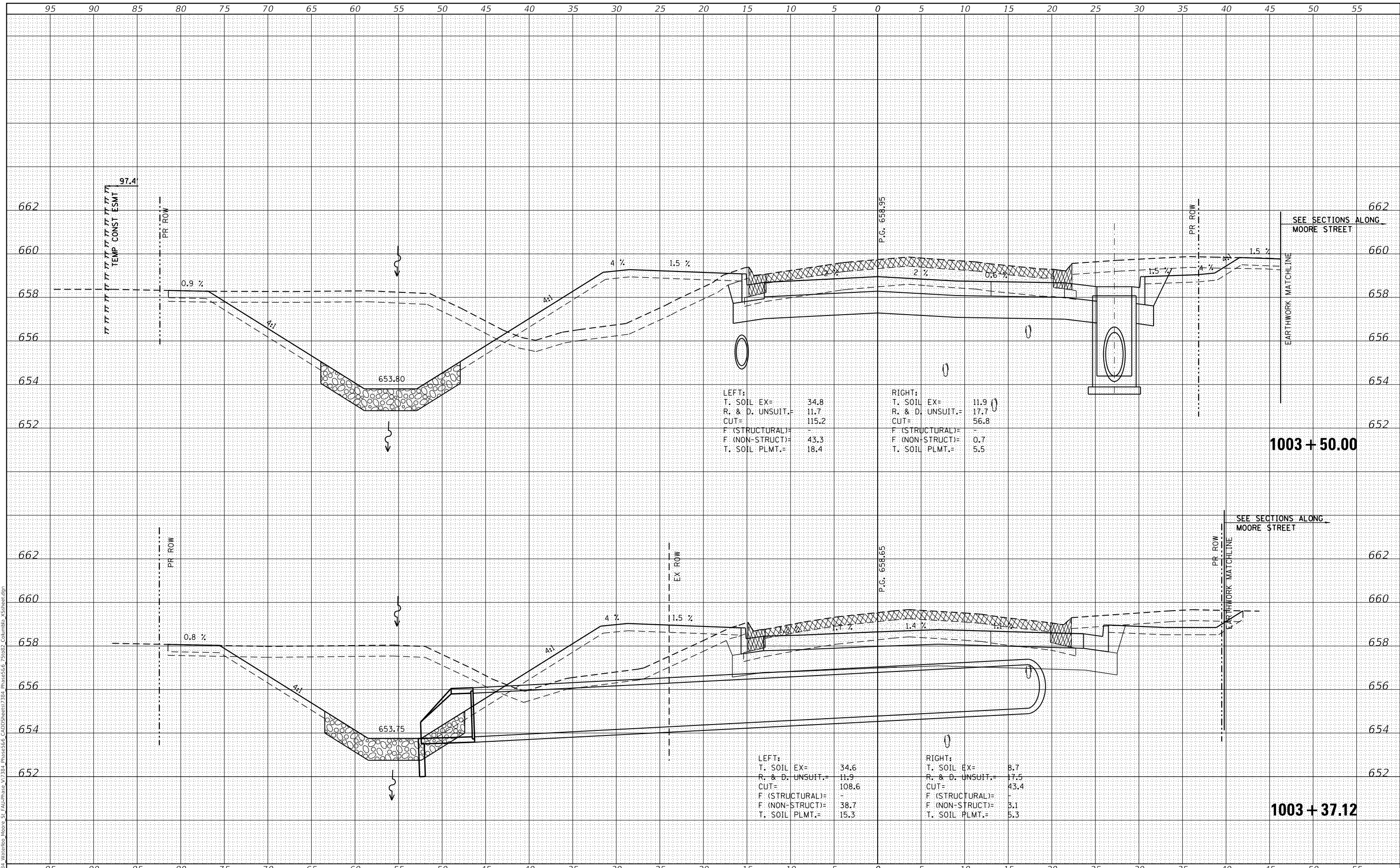
EARTHWORK MATCHLINE



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

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

MODEL: Definit  
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|                  |       |                  |      |
|------------------|-------|------------------|------|
| LEFT:            |       | RIGHT:           |      |
| T. SOIL EX=      | 34.8  | T. SOIL EX=      | 11.9 |
| R. & D. UNSUIT.= | 11.7  | R. & D. UNSUIT.= | 17.7 |
| CUT=             | 115.2 | CUT=             | 56.8 |
| F (STRUCTURAL)=  | -     | F (STRUCTURAL)=  | -    |
| F (NON-STRUCT)=  | 43.3  | F (NON-STRUCT)=  | 0.7  |
| T. SOIL PLMT.=   | 18.4  | T. SOIL PLMT.=   | 5.5  |

|                  |       |                  |      |
|------------------|-------|------------------|------|
| LEFT:            |       | RIGHT:           |      |
| T. SOIL EX=      | 34.6  | T. SOIL EX=      | 8.7  |
| R. & D. UNSUIT.= | 11.9  | R. & D. UNSUIT.= | 17.5 |
| CUT=             | 108.6 | CUT=             | 43.4 |
| F (STRUCTURAL)=  | -     | F (STRUCTURAL)=  | -    |
| F (NON-STRUCT)=  | 38.7  | F (NON-STRUCT)=  | 3.1  |
| T. SOIL PLMT.=   | 15.3  | T. SOIL PLMT.=   | 5.3  |

|              |                 |
|--------------|-----------------|
| USER NAME =  | kjones          |
| DESIGNED -   | REVISD -        |
| DRAWN -      | REVISD -        |
| PLOT SCALE = | 10.0000 ' / in. |
| CHECKED -    | REVISD -        |
| DATE -       | REVISD -        |
| PLOT DATE =  | 3/30/2021       |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 COLUMBIA AVENUE**

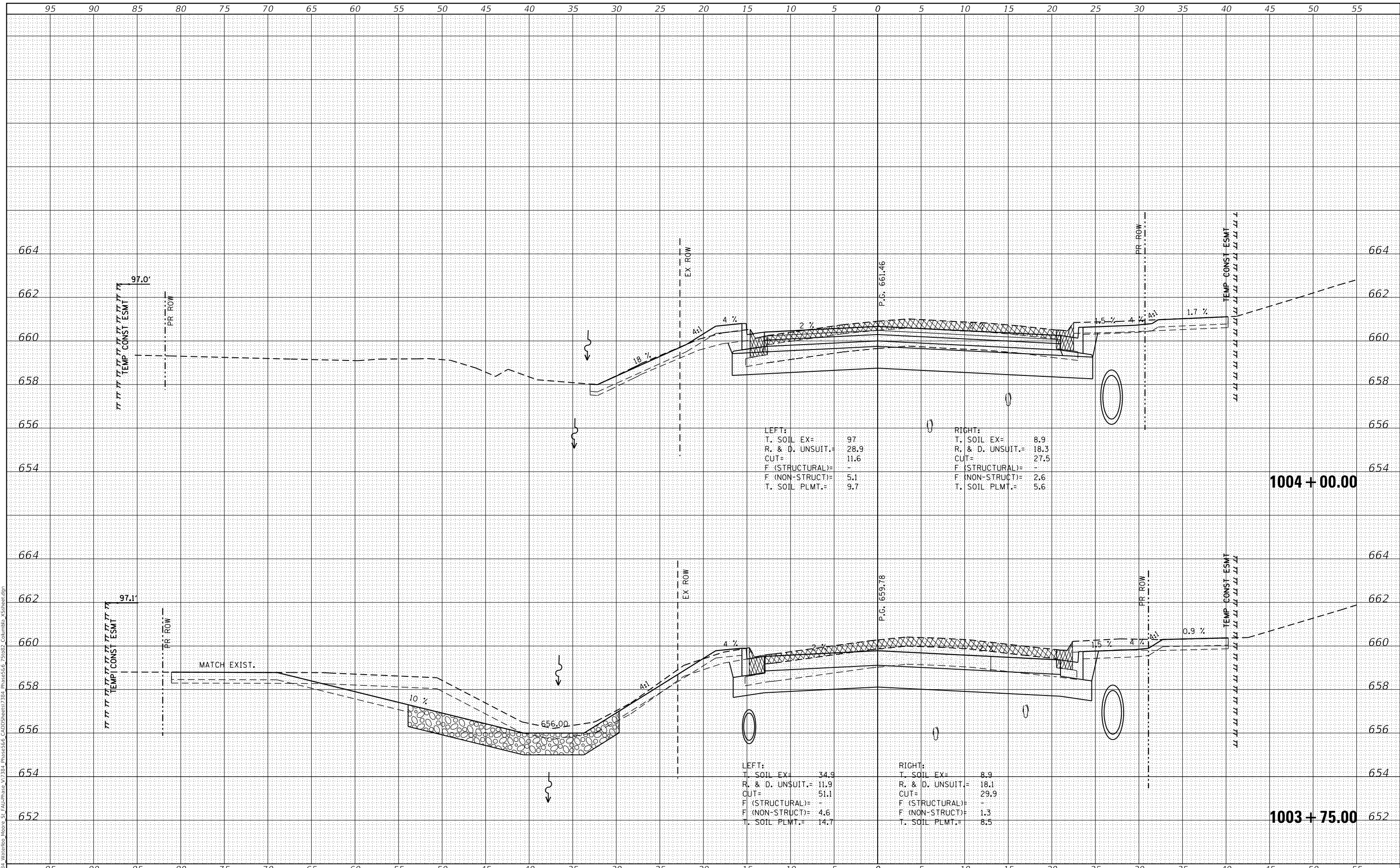
SCALE: SHEET 5 OF 8 SHEETS STA. 1003+37.12 TO STA. 1003+50.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 79        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
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|              |                |            |          |
|--------------|----------------|------------|----------|
| USER NAME =  | kjones         | DESIGNED - | REVISD - |
|              |                | DRAWN -    | REVISD - |
| PLOT SCALE = | 10.0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE =  | 3/30/2021      | DATE -     | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
COLUMBIA AVENUE**

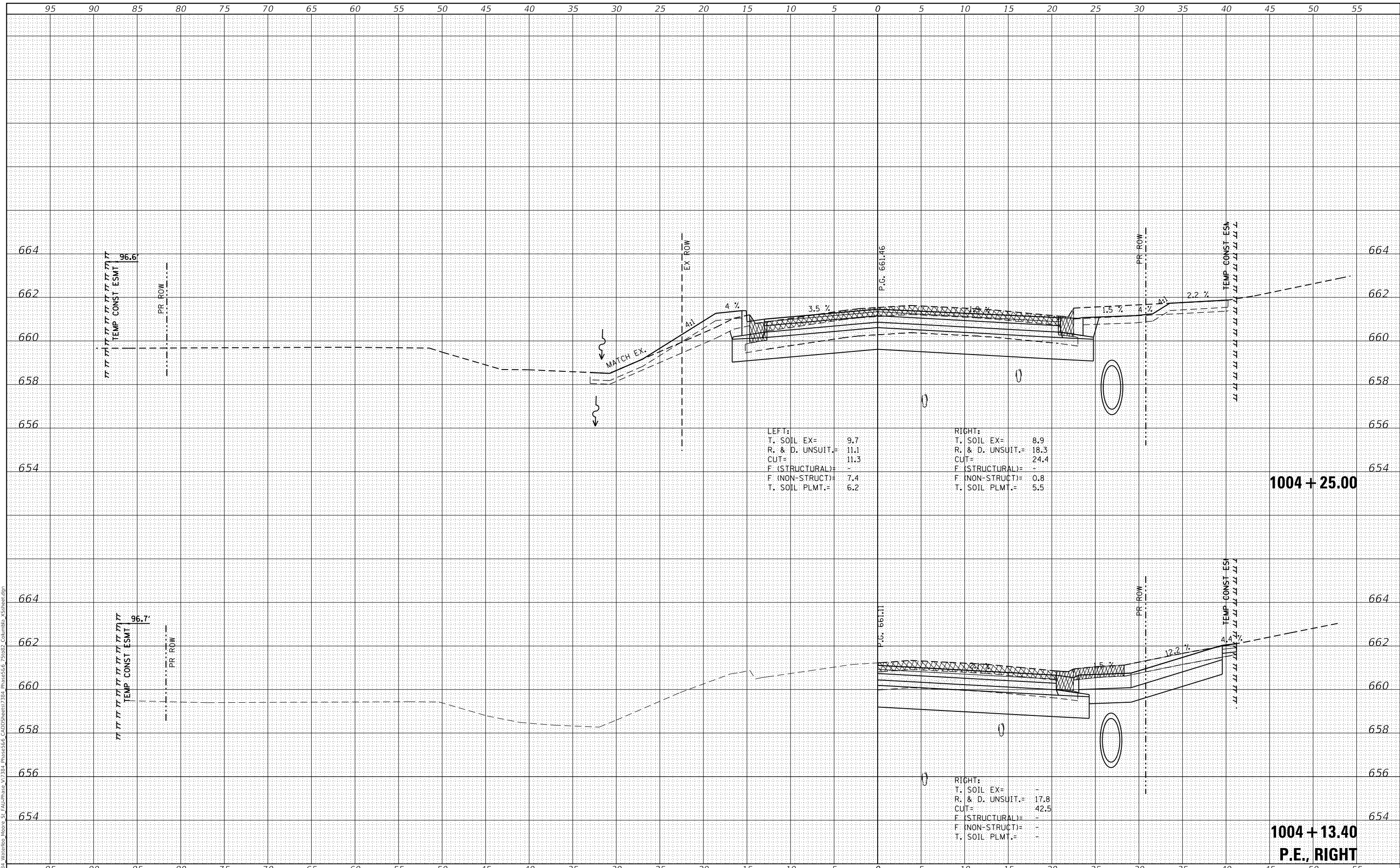
SCALE: SHEET 6 OF 8 SHEETS STA. 1003+75.00 TO STA. 1004+00.00

|           |                |                           |                    |           |
|-----------|----------------|---------------------------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY                    | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE                    | 132                | 80        |
|           |                |                           | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS FED. AID PROJECT |                    |           |

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

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

MODEL: Default  
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|                  |      |                  |      |
|------------------|------|------------------|------|
| LEFT:            |      | RIGHT:           |      |
| T. SOIL EX=      | 9.7  | T. SOIL EX=      | 8.9  |
| R. & D. UNSUIT.= | 11.1 | R. & D. UNSUIT.= | 18.3 |
| CUT=             | 11.3 | CUT=             | 24.4 |
| F (STRUCTURAL)=  | -    | F (STRUCTURAL)=  | -    |
| F (NON-STRUCT)=  | 7.4  | F (NON-STRUCT)=  | 0.8  |
| T. SOIL PLMT.=   | 6.2  | T. SOIL PLMT.=   | 5.5  |

|                  |      |
|------------------|------|
| RIGHT:           |      |
| T. SOIL EX=      | -    |
| R. & D. UNSUIT.= | 17.8 |
| CUT=             | 42.5 |
| F (STRUCTURAL)=  | -    |
| F (NON-STRUCT)=  | -    |
| T. SOIL PLMT.=   | -    |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 COLUMBIA AVENUE**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

SCALE: SHEET 7 OF 8 SHEETS STA. 1004+13.40 TO STA. 1004+25.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 81        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

**1004 + 25.00**

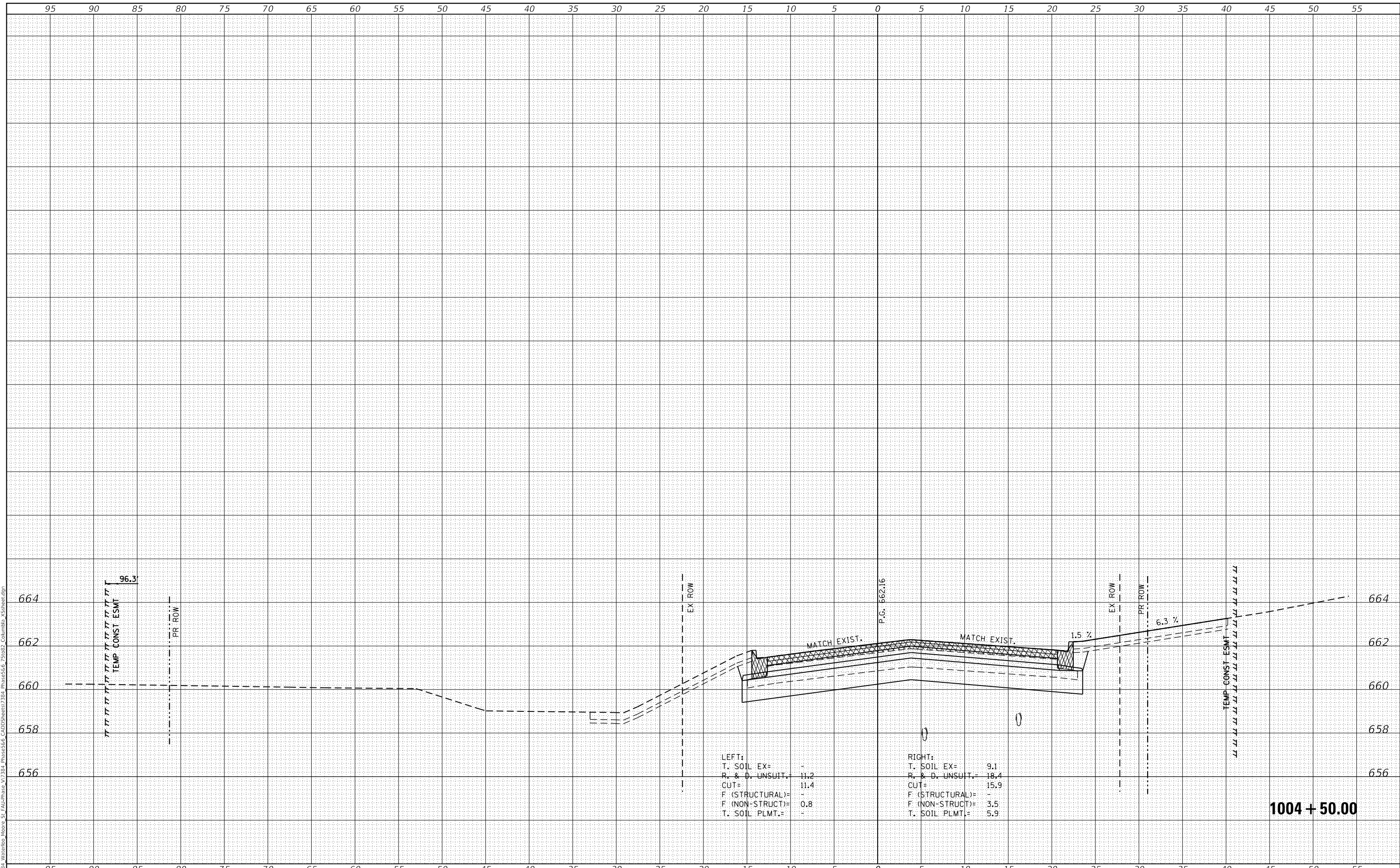
**1004 + 13.40  
 P.E., RIGHT**



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

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

MODEL: Default  
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|                 |      |                 |      |
|-----------------|------|-----------------|------|
| LEFT:           |      | RIGHT:          |      |
| T. SOIL EX=     | -    | T. SOIL EX=     | 9.1  |
| R. & D. UNSUIT. | 11.2 | R. & D. UNSUIT. | 18.4 |
| CUT=            | 11.4 | CUT=            | 15.9 |
| F (STRUCTURAL)= | -    | F (STRUCTURAL)= | -    |
| F (NON-STRUCT)= | 0.8  | F (NON-STRUCT)= | 3.5  |
| T. SOIL PLMT.=  | -    | T. SOIL PLMT.=  | 5.9  |

**1004 + 50.00**

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = kjones           | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISED - |

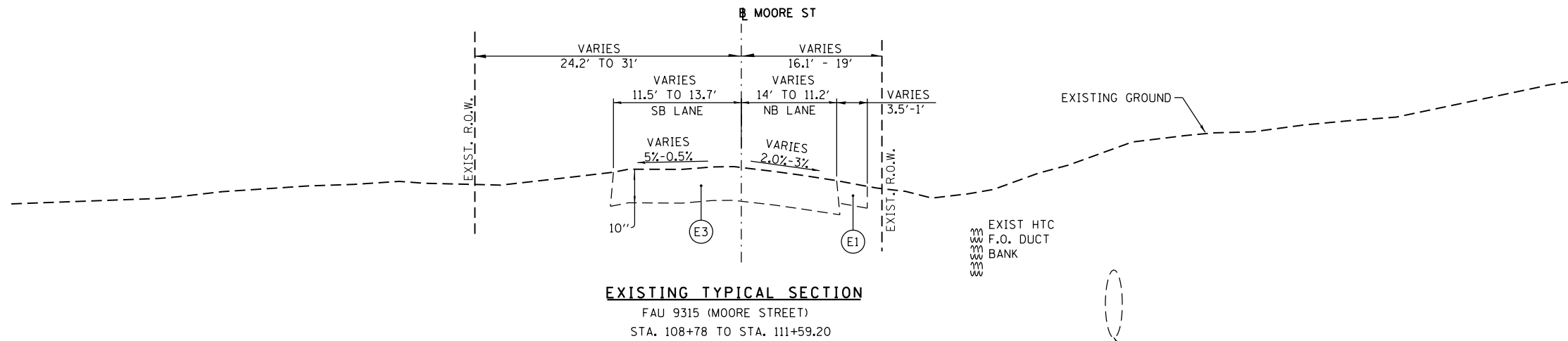
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
COLUMBIA AVENUE**

SCALE: SHEET 8 OF 8 SHEETS STA. 1004+50.00 TO STA. 1004+50.00

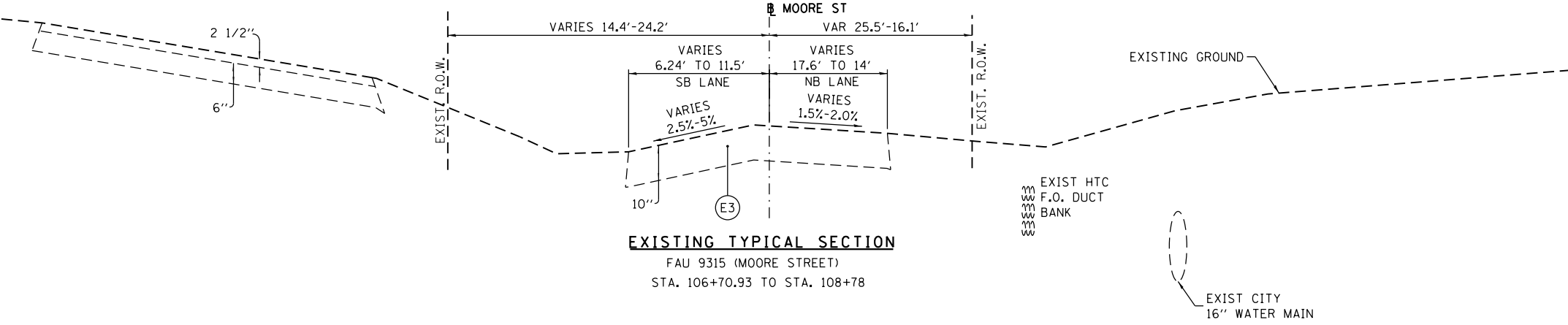
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|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 82        |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

| LEGEND |   |
|--------|---|
| (E1)   | EXISTING AGGREGATE                          |
| (E2)   | EXISTING COMBINATION CONCRETE CURB & GUTTER |
| (E3)   | EXISTING HOT-MIX ASPHALT                    |
| (E4)   | EXISTING P.C.C. PAVEMENT                    |
| (E5)   | EXISTING P.C.C. SIDEWALK 4"                 |



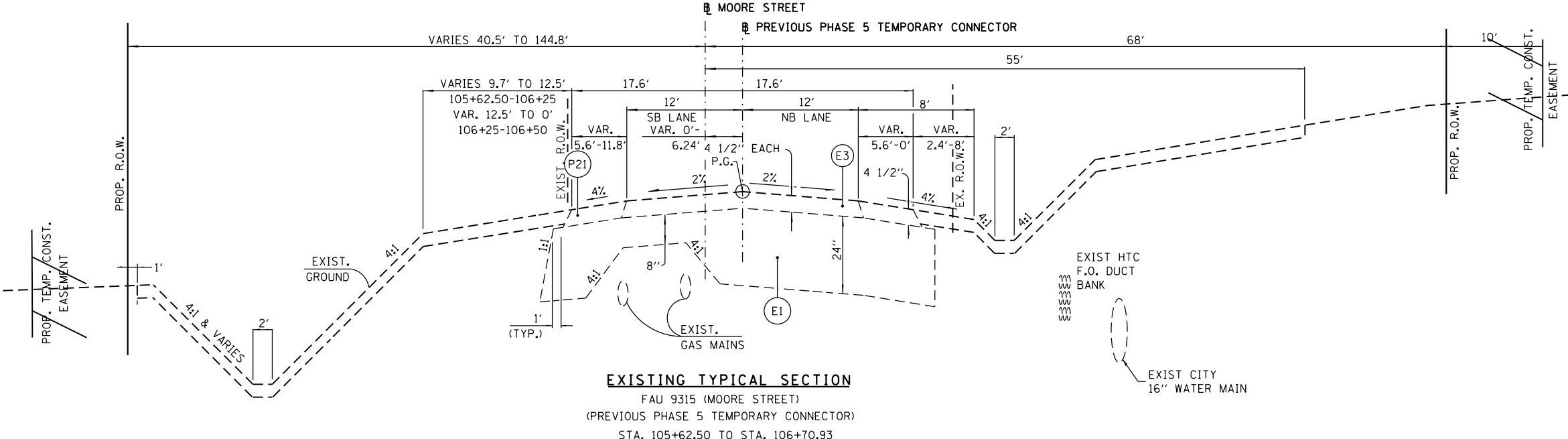
**EXISTING TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
STA. 108+78 TO STA. 111+59.20



**EXISTING TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
STA. 106+70.93 TO STA. 108+78



**EXISTING TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
(PREVIOUS PHASE 5 TEMPORARY CONNECTOR)  
STA. 105+62.50 TO STA. 106+70.93

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED - | REVISED - |
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|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

























**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

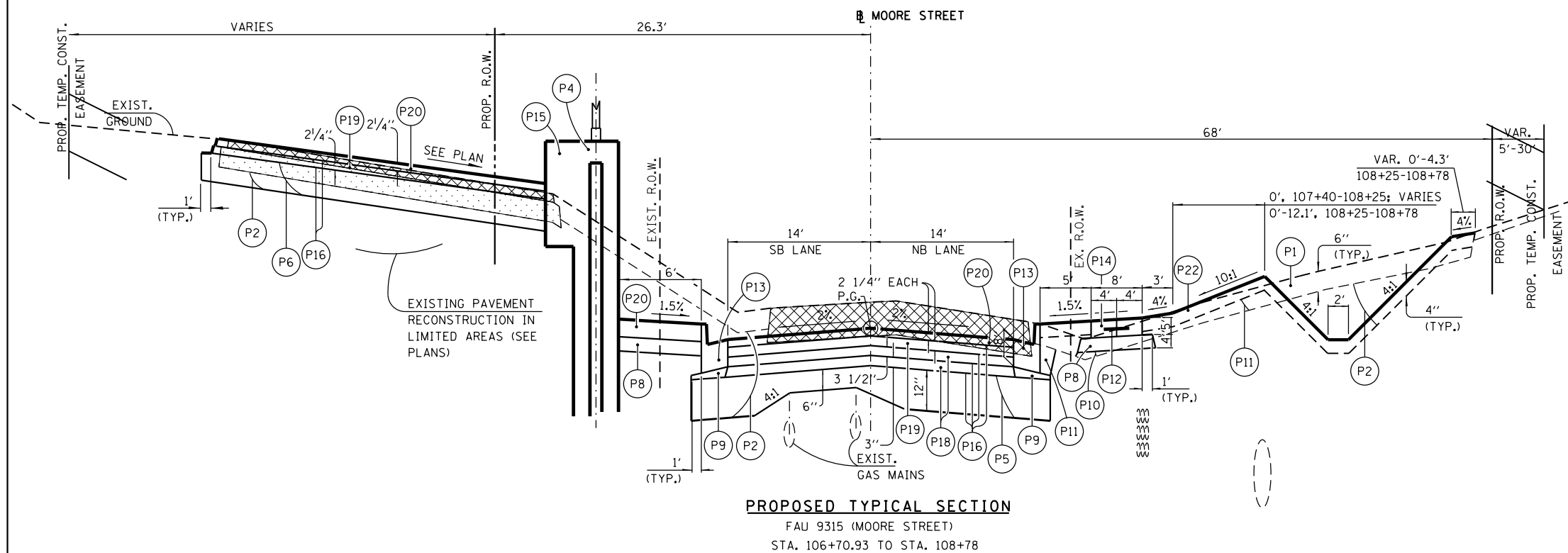
**EXISTING TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132          | 83        |
|                           |                |        | CONTRACT NO. | 97717     |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

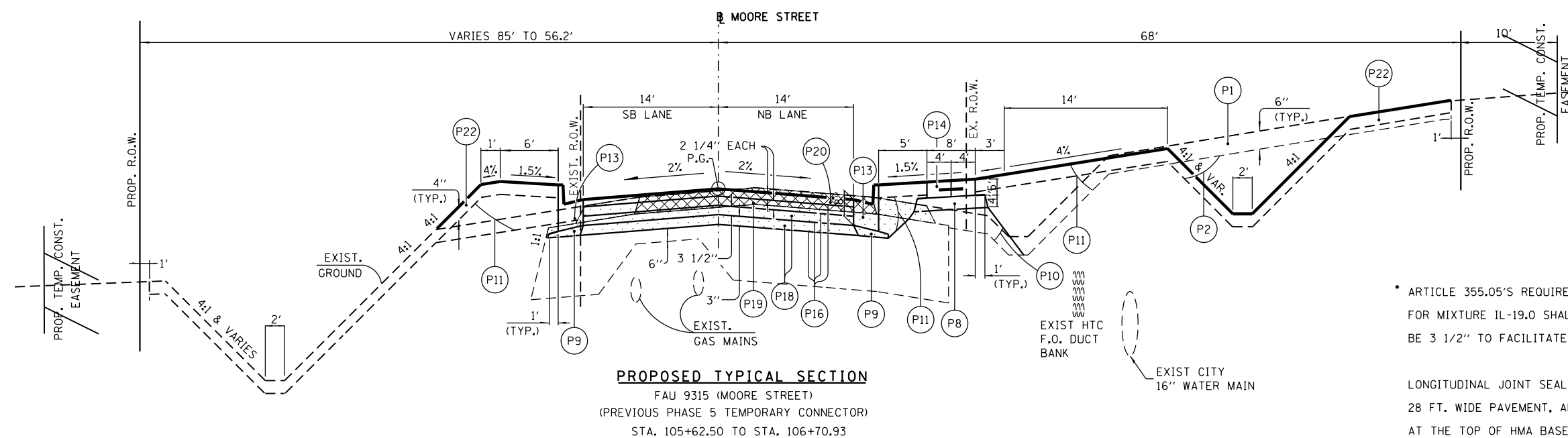
**LEGEND**

-  CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
-  REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
-  P1 TOPSOIL EXCAVATION 6" (NOT A PAY ITEM)
-  P2 EARTH EXCAVATION
-  P3 AGGREGATE SUBGRADE IMPROVEMENT
-  P4 RETAINING WALL (SEE PLANS)
-  P5 AGGREGATE BASE COURSE, TYPE A (UNDER HMA) 12" OR 24"
-  P6 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
-  P7 AGGREGATE BASE COURSE, TYPE A (TEMP. PVT.) 4 1/2"
-  P8 AGGREGATE BASE COURSE, TYPE A (UNDER S. WALK) 4"
-  P9 AGGREGATE BASE COURSE, TYPE A (TON)
-  P10 EMBANKMENT (STRUCTURAL; NOT A PAY ITEM)
-  P11 EMBANKMENT (NON-STRUCTURAL; NOT A PAY ITEM)
-  P12 NO. 6 EPOXY-CTD., REINF. BAR, 30", @36" CTS. (8" MIN. EMBEDMENT W/CHEM. ADHESIVE)
-  P13 COMB. CONC. CURB AND GUTTER, TYPE B-6.24
-  P14 P.C.C. SIDEWALK 5 INCH
-  P15 RETAINING WALL "CURB" (SEE PLANS)
-  P16 BITUMINOUS MATERIALS (PRIME COAT)
-  P17 LONGITUDINAL JOINT SEALANT
-  P18 HOT-MIX ASPHALT BASE COURSE 6 1/2"\*
-  P19 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
-  P20 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
-  P21 AGGREGATE SHOULDERS, TYPE B (TON)
-  P22 TOPSOIL PLACEMENT (TOPSOIL EXCAV. & PLACEMENT)



**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
STA. 106+70.93 TO STA. 108+78



**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
(PREVIOUS PHASE 5 TEMPORARY CONNECTOR)  
STA. 105+62.50 TO STA. 106+70.93

\* ARTICLE 355.05'S REQUIREMENT THAT THE TOP LIFT THICKNESS SHALL BE 2 1/4" FOR MIXTURE IL-19.0 SHALL BE REPLACED WITH THE TOP LIFT THICKNESS SHALL BE 3 1/2" TO FACILITATE CONSTANT CURB THICKNESS OF 8".

LONGITUDINAL JOINT SEALANT SHALL BE PLACED AT THE CENTERLINE OF THE 28 FT. WIDE PAVEMENT, AND AT MARKED LANE LINES FOR WIDER PAVEMENT, AT THE TOP OF HMA BASES, AND THE TOP OF HMA BINDER COURSES.

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED - | REVISED - |
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| Default  | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

























**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

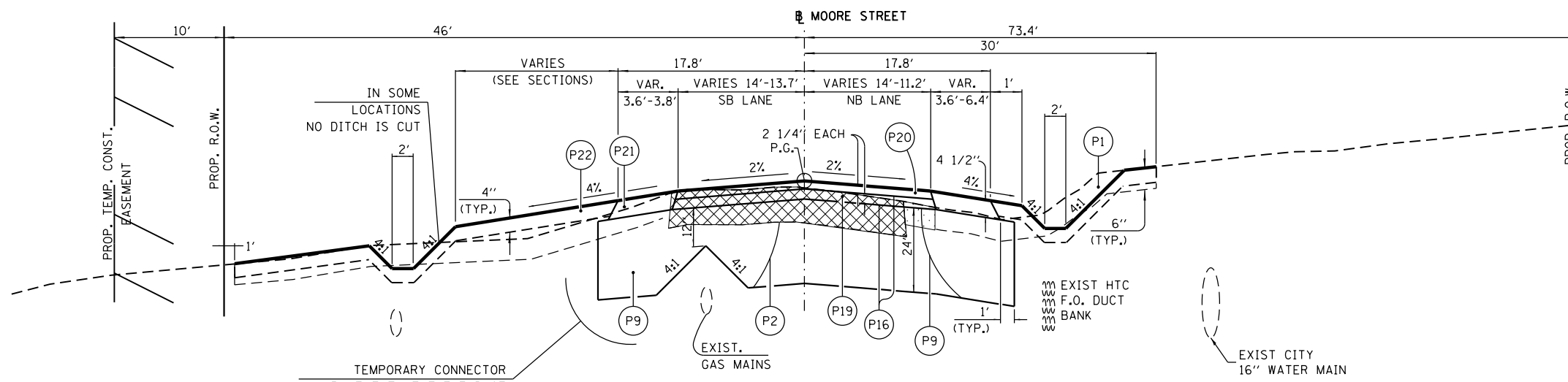
**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132          | 84        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

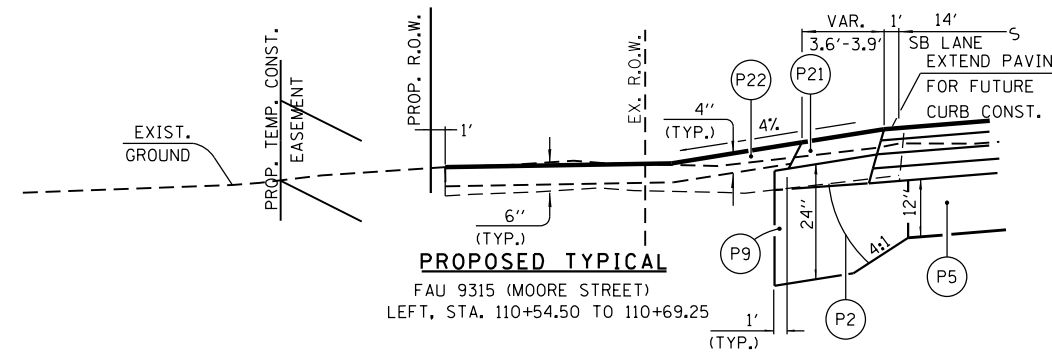
**LEGEND**

-  CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
-  REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
-  P1 TOPSOIL EXCAVATION 6" (NOT A PAY ITEM)
-  P2 EARTH EXCAVATION
-  P3 AGGREGATE SUBGRADE IMPROVEMENT
-  P4 RETAINING WALL
-  P5 AGGREGATE BASE COURSE, TYPE A (UNDER HMA) 12" or 24"
-  P6 AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
-  P7 AGGREGATE BASE COURSE, TYPE A (TEMP. PVT.) 4 1/2"
-  P8 AGGREGATE BASE COURSE, TYPE A (UNDER S. WALK) 4"
-  P9 AGGREGATE BASE COURSE, TYPE A (TON)
-  P10 EMBANKMENT (STRUCTURAL; NOT A PAY ITEM)
-  P11 EMBANKMENT (NON-STRUCTURAL; NOT A PAY ITEM)
-  P12 NO. 6 EPOXY-CTD., REINF. BAR, 30', @36" CTS. (8" MIN. EMBEDMENT W/CHEM. ADHESIVE)
-  P13 COMB. CONC. CURB AND GUTTER, TYPE B-6.24
-  P14 P.C.C. SIDEWALK 5 INCH
-  P15 RETAINING WALL "CURB" (SEE PLANS)
-  P16 BITUMINOUS MATERIALS (PRIME COAT)
-  P17 LONGITUDINAL JOINT SEALANT
-  P18 HOT-MIX ASPHALT BASE COURSE 6 1/2"
-  P19 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
-  P20 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
-  P21 AGGREGATE SHOULDERS, TYPE B (TON)
-  P22 TOPSOIL PLACEMENT (TOPSOIL EXCAV. & PLACEMENT)



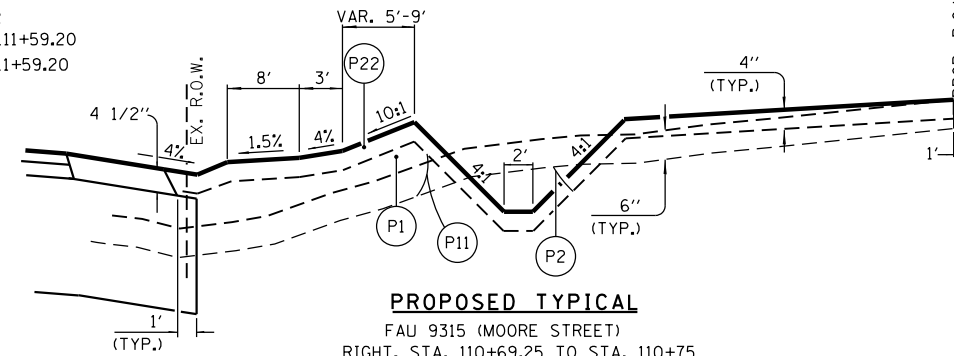
**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
 TEMPORARY CONNECTOR  
 LEFT, STA. 110+69.19 TO STA. 111+59.20  
 RIGHT, STA. 110+75 TO STA. 111+59.20



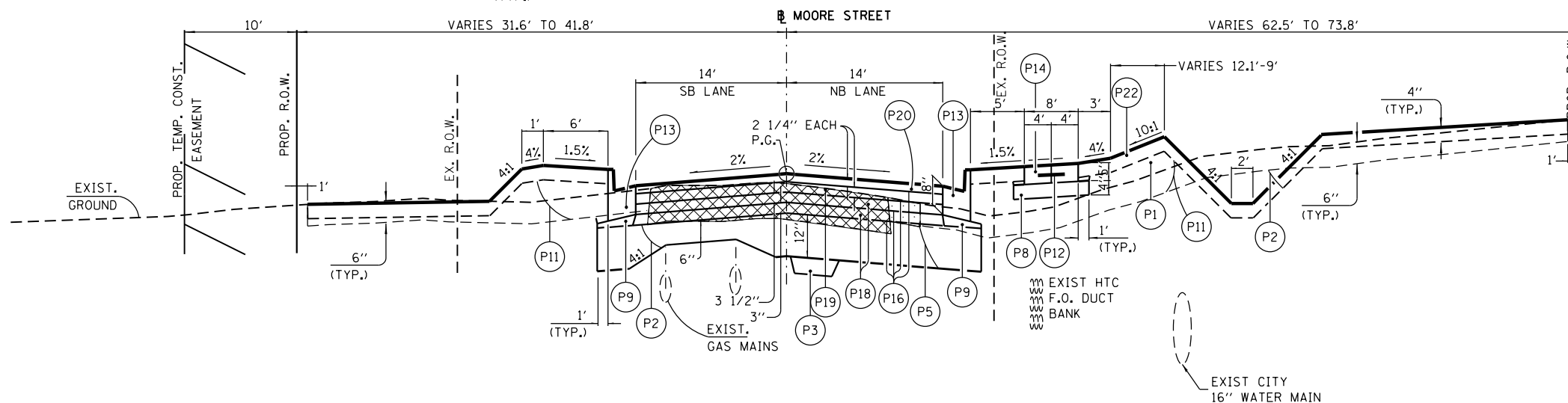
**PROPOSED TYPICAL**

FAU 9315 (MOORE STREET)  
 LEFT, STA. 110+54.50 TO 110+69.25



**PROPOSED TYPICAL**

FAU 9315 (MOORE STREET)  
 RIGHT, STA. 110+69.25 TO 110+75



**PROPOSED TYPICAL SECTION**

FAU 9315 (MOORE STREET)  
 LEFT, STA. 108+78 TO STA. 110+54.50  
 RIGHT, STA. 108+78 TO STA. 110+69.25

\* ARTICLE 355.05'S REQUIREMENT THAT THE TOP LIFT THICKNESS SHALL BE 2 1/4" FOR MIXTURE IL-19.0 SHALL BE REPLACED WITH THE TOP LIFT THICKNESS SHALL BE 3 1/2" TO FACILITATE CONSTANT CURB THICKNESS OF 8".

LONGITUDINAL JOINT SEALANT SHALL BE PLACED AT THE CENTERLINE OF THE 28 FT. WIDE PAVEMENT, AND AT MARKED LANE LINES FOR WIDER PAVEMENT, AT THE TOP OF HMA BASES, AND THE TOP OF HMA BINDER COURSES.

|  |                              |            |           |   |                                  |       |    |        |                           |         |        |              |           |
|--|------------------------------|------------|-----------|---|----------------------------------|-------|----|--------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = k.jones          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED TYPICAL SECTIONS</b> |       |    |        | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_85_PropTypical.dgn | PLLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |   |                                  |       |    |        | 15-00032-04-PV            | MONROE  | 132    | 85           |           |
| Default  | PLLOT DATE = 3/30/2021       | DATE -     | REVISED - |   | CONTRACT NO. 97717               |       |    |        | ILLINOIS FED. AID PROJECT |         |        |              |           |
|  |                              |            |           |   | SCALE:                           | SHEET | OF | SHEETS | STA.                      | TO      | STA.   |              |           |

**MIXTURE COMPOSITION TABLE**

|   |   |
|---|---|
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | SURFACE<br>HMA SURFACE COURSE, MIX "D", N70<br>PG 70-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-9.5<br>MIXTURE "D"<br>112 LBS./SQ. YD./IN. |
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | BINDER COURSE<br>BINDER COURSE, IL-19.0, N70<br>PG 64-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-19.0<br>-<br>112 LBS./SQ. YD./IN.         |
| MIXTURE USE:<br>APPLICATION:<br>AC/PG:<br>RAP% (MAX.):<br>DESIGN AIR VOIDS:<br>MIXTURE COMPOSITION:<br>FRICTION AGGREGATE:<br>MIXTURE WEIGHT: | BASE COURSE<br>BASE COURSE, IL-19.0, N70<br>PG 64-22<br>SEE SPECIAL PROVISIONS<br>4.0% AT Ndes 70<br>IL-19.0<br>-<br>112 LBS./SQ. YD./IN.             |

**PAVEMENT DESIGN INFORMATION**

|   |   |
|---|---|
| ROADWAY:  | MOORE                                       |
| FEATURE:  | FULL DEPTH HMA                              |
| PROCEDURE:  | NEW CONST.,<br>BLRM 44-4,<br>FLEXIBLE, 2018 |
| DESIGN LIFE (YRS):                                    | 40  |
| MID. LIFE YR.:  | 2040  |
| ADT, MID LIFE:  | 3,841                                       |
| %PV IN DES. LN.:                                      | 88%   |
| %SU IN DES. LN.:                                      | 7%  |
| %MU IN DES. LN.:                                      | 5%  |
| CLASS:  | II  |
| TRAFFIC FACTOR:                                       | 1.046                                       |
| SOIL CONDITION:                                       |   |
| IBV (HOLCOMB, INC.):                                  | BORING#1, 2.9-3.6                           |
| SUBGRADE:   | POOR  |
| FIG. 44-4B:   | NEED 12" GRAN. MIN.                         |
| TRAFFIC SPEED:  | 30 MPH DESIGN                               |
| FIG. 44-4C:   | NEED PG 70-22                               |
| RELIABILITY   |   |
| FIG. 44-4.02 (g):                                     | 90%   |
| TEMP., FIG. 44-4E:                                    | 81 deg. F                                   |
| mSTRAIN, FIG. 44-4G:                                  | 115   |
| Eoc, FIG. 44-4H:                                      | 525 ksi                                     |
| HMA THICK., FIG. 44-4I:                               | 9.5"  |
| FINAL TOTAL HMA THICKNESS DUE TO CONST. REQUIREMENTS: | 11"   |

|                           |                               |
|---------------------------|-------------------------------|
| ROADWAY:                  | MOORE - TEMP. CONNECTOR       |
| FEATURE:                  | CONVENT. FLEX. PVT. DES. LPA  |
| PROCEDURE:                | NEW CONST., BLRM 44-3<br>2018 |
| DESIGN LIFE (YRS):        | 5                             |
| MID. LIFE YR.:            | 2022.5                        |
| ADT, MID LIFE:            | 2,716                         |
| %PV IN DES. LN.:          | 88%                           |
| %SU IN DES. LN.:          | 7%                            |
| %MU IN DES. LN.:          | 5%                            |
| CLASS:                    | II                            |
| TRAFFIC FACTOR:           | 0.185                         |
| SOIL CONDITION:           |                               |
| IBV (HOLCOMB, INC.):      | BORING#1, 2.9-3.6             |
| FIG. 44-6.1               |                               |
| Qbu=4.5(IBV):             | 4.5(2.9)=13.05                |
| Eri=0.86+0.307(Qbu):      | 0.86+0.307(13.05)=4.16        |
| BASE per FIG. 44-3.03(a): | 8" AGGREGATE O.K.             |
| TEMP., FIG. 44-3D:        | 76 deg. F                     |
| Eac, FIG. 44-3E:          | 662.50                        |
| mSTRAIN, FIG. 44-3F:      | 245                           |
| HMA THICK., FIG. 44-3G:   | 4.5"                          |

**STORM SEWER SCHEDULE**

| LOCATION                              | I.D.      | TEMPORARY SUPPORT SYSTEM (FOR 16" WATER MAIN OVER STORM SEWER) | SELECT GRANULAR BACKFILL, SPECIAL CU YD | STORM SEWERS       |     |       |       |      |                       |       |                       | REINFORCED CONCRETE          |                              |                              |                |                | INLETS                       |                              |                                  |                                 |   |  |     |     |     |
|---------------------------------------|-----------|--|---|--------------------|-----|-------|-------|------|-----------------------|-------|-----------------------|------------------------------|------------------------------|------------------------------|----------------|----------------|------------------------------|------------------------------|----------------------------------|---------------------------------|---|--|-----|-----|-----|
|                                       |           |  |   | CLASS A            |     |       |       |      | RUBBER GASKET CLASS A |       | (WATER MAIN REQ.) 24" | PIPE TEE                     |                              |                              | PIPE ELBOW 18" | PIPE ELBOW 36" | TYPE B                       |                              |                                  |                                 |   |  |     |     |     |
|                                       |           |  |   | TYPE 2             |     |       |       |      | TYPE 2                |       |                       | 15" PIPE WITH 12" RISER EACH | 36" PIPE WITH 12" RISER EACH | 36" PIPE WITH 15" RISER EACH |                |                | TYPE 1 FRAME CLOSED LID EACH | TYPE 3V FRAME AND GRATE EACH | WITH FRAME & GRATE, SPECIAL EACH | WITH SPECIAL FRAME & GRATE EACH | SPECIAL WITH SPECIAL FRAME & GRATE EACH | TO BE ADJUSTED WITH NEW TY. 3V F. & GT. EACH |     |     |     |
|                                       |           |  |   | 12"                | 15" | 18"   | 24"   | 36"  | 12"                   | 24"   |                       |                              |                              |                              |                |                |                              |                              |                                  |                                 |   |  | 12" | 24" | 24" |
| MOORE STREET (DOWNSTREAM TO UPSTREAM) |           |  |   |                    |     |       |       |      |                       |       |                       |                              |                              |                              |                |                |                              |                              |                                  |                                 |   |  |     |     |     |
| LEFT SIDE                             |           |  |   |                    |     |       |       |      |                       |       |                       |                              |                              |                              |                |                |                              |                              |                                  |                                 |   |  |     |     |     |
| 1                                     | 106+68.66 | LT.  | XLIB-1                                  | -                  | -   | -     | -     | -    | -                     | -     | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | 1   |
| 2                                     | 106+68.66 | TO 107+44.84   | LT.                                     | XLIB-1 to XLIB-3   | -   | 33.1  | 3.0   | 68.8 | -                     | -     | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 3                                     | 107+44.84 | TO 108+81.56   | LT.                                     | XLIB-3 to XLIB-4   | -   | 87.6  | 136.5 | -    | -                     | -     | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| RIGHT SIDE                            |           |  |   |                    |     |       |       |      |                       |       |                       |                              |                              |                              |                |                |                              |                              |                                  |                                 |   |  |     |     |     |
| 4                                     | 105+76.5  | TO 106+97.27   | RT.                                     | Existing to XRIB-2 | -   | 210.5 | 10.4  | -    | -                     | -     | 112.2                 | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 5                                     | 106+97.27 | TO 107+75.   | RT.                                     | XRIB-2 to XRTD-1   | -   | 3.0   | -     | -    | 22.3                  | -     | -                     | -                            | -                            | -                            | -              | 1              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 6                                     | 106+97.27 | TO 108+62.5  | RT.                                     | XRIB-2 to XRMH6-2  | -   | 204.5 | 6.8   | 13.6 | -                     | -     | 124.2                 | -                            | -                            | -                            | -              | 1              | -                            | -                            | 1                                | -                               | -                                       | -  | -   | -   | -   |
| 7                                     | 108+62.5  | TO 108+75.   | RT.                                     | XRMH6-2 to XRIB-6  | -   | 15.3  | -     | -    | -                     | -     | -                     | 28.9                         | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 8                                     | 108+62.5  | TO 109+84.72   | RT.                                     | XRMH6-2 to XRMH4-1 | 1   | 192.3 | -     | -    | -                     | 115.8 | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 9                                     | 109+84.72 | TO 110+12.5  | RT.                                     | XRMH4-1 to XRMH6-3 | 1   | 25.9  | -     | -    | -                     | -     | -                     | 35.1                         | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| 10                                    | 110+12.5  | TO 110+73.71   | RT.                                     | XRMH6-3 to XRIS-1  | -   | 42.5  | -     | -    | -                     | -     | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | 1   | -   |
| 11                                    | 110+12.5  | TO 110+60.46   | RT.                                     | XRMH6-3 to XRTD-2  | -   | -     | 26.4  | -    | -                     | -     | -                     | -                            | -                            | -                            | -              | -              | -                            | -                            | -                                | -                               | -                                       | -  | -   | -   | -   |
| <b>TOTALS:</b>                        |           |  |   |                    | 2   | 814.7 | 183.1 | 82.4 | 22.3                  | 115.8 | 236.4                 | 28.9                         | 35.1                         | 56.8                         | 1              | 2              | 1                            | 1                            | 1                                | 1                               | 6                                       | 2  | 1   | 1   | 1   |
|                                       |           |  |   |                    | 2   | 815   | 184   | 83   | 23                    | 116   | 237                   | 29                           | 36                           | 57                           | 1              | 2              | 1                            | 1                            | 1                                | 1                               | 6                                       | 2  | 1   | 1   | 1   |

CONTINUED BELOW

**STORM SEWER SCHEDULE**

| LOCATION                              | I.D.      | MANHOLES                  |                           |                              | TRENCH DRAIN |   |
|---------------------------------------|-----------|---------------------------|---------------------------|------------------------------|--------------|---|
|                                       |           | TYPE A                    |                           |                              |              |   |
|                                       |           | 4'-DIAM.                  | 6'-DIAM.                  |                              |              |   |
|                                       |           | TY. 1 FRAME, CL. LID EACH | TY. 1 FRAME, CL. LID EACH | W/SPECIAL FRAME & GRATE EACH |              |   |
| MOORE STREET (DOWNSTREAM TO UPSTREAM) |           |                           |                           |                              |              |   |
| LEFT SIDE                             |           |                           |                           |                              |              |   |
| 1                                     | 106+68.66 | LT.                       | XLIB-1                    | -                            | -            | - |
| 2                                     | 106+68.66 | TO 107+44.84              | LT.                       | XLIB-1 to XLIB-3             | -            | - |
| 3                                     | 107+44.84 | TO 108+81.56              | LT.                       | XLIB-3 to XLIB-4             | -            | - |
| RIGHT SIDE                            |           |                           |                           |                              |              |   |
| 4                                     | 105+76.5  | TO 106+97.27              | RT.                       | Existing to XRIB-2           | -            | 1 |
| 5                                     | 106+97.27 | TO 107+75.                | RT.                       | XRIB-2 to XRTD-1             | -            | - |
| 6                                     | 106+97.27 | TO 108+62.5               | RT.                       | XRIB-2 to XRMH6-2            | -            | 1 |
| 7                                     | 108+62.5  | TO 108+75.                | RT.                       | XRMH6-2 to XRIB-6            | -            | - |
| 8                                     | 108+62.5  | TO 109+84.72              | RT.                       | XRMH6-2 to XRMH4-1           | 1            | - |
| 9                                     | 109+84.72 | TO 110+12.5               | RT.                       | XRMH4-1 to XRMH6-3           | -            | 1 |
| 10                                    | 110+12.5  | TO 110+73.71              | RT.                       | XRMH6-3 to XRIS-1            | -            | - |
| 11                                    | 110+12.5  | TO 110+60.46              | RT.                       | XRMH6-3 to XRTD-2            | -            | - |
| <b>TOTALS:</b>                        |           |                           |                           | 1                            | 2            | 1 |
|                                       |           |                           |                           | 1                            | 2            | 1 |



STORM SEWER AND TREE REMOVAL SCHEDULE

| LOCATION        | REMOVING INLETS | PLUG EXISTING STORM SEWER | REMOVAL OF TEMPORARY STORM SEWER PLUG EACH | TREE REMOVAL (OVER 15 UNITS DIAM.) |
|-----------------|-----------------|---------------------------|--|------------------------------------|
|                 | EACH            | CU. YD.                   | EACH                                       | UNITS                              |
| MOORE STREET    |                 |                           |  |                                    |
| 1 105+75. RT.   | 1               | 1                         | 1  | -                                  |
| 2 106+68.66 LT. | -               | -                         | 1  | -                                  |
| 3 107+37.32 LT. | -               | -                         | -  | 24                                 |
| <b>TOTALS:</b>  | <b>1</b>        | <b>1</b>                  | <b>2</b>                                   | <b>24</b>                          |
| <b>USE:</b>     | <b>1</b>        | <b>1</b>                  | <b>2</b>                                   | <b>24</b>                          |

PAVEMENT REMOVALS SCHEDULE

| LOCATION  | PAVEMENT REMOVAL | DRIVEWAY PAVEMENT REMOVAL | SIDEWALK REMOVAL | COMINATION CURB AND GUTTER REMOVAL |
|---|------------------|---------------------------|------------------|------------------------------------|
|   | SQ YD            | SQ YD                     | SQ FT            | FOOT                               |
| MOORE STREET                                    |                  |                           |                  |                                    |
| 1 105+55. TO 106+71. A.R.                       | 289.6            | -                         | 32               | 14                                 |
| 2 106+71. TO 107+54.43 LT., COMMERCIAL ENTRANCE | -                | 194.4                     | -                | -                                  |
| 3 106+71. TO 110+68.25 A.R.                     | 1,068.9          | -                         | -                | -                                  |
| 4 106+71. TO 107+81. RT., COMMERCIAL ENTRANCE   | -                | 389.3                     | -                | -                                  |
| 5 108+55.3 TO 109+50. LT., COMMERCIAL ENTRANCE  | -                | 76.4                      | -                | -                                  |
| 6 109+78. TO 110+80. RT., COMMERCIAL ENTRANCE   | -                | 362.1                     | -                | -                                  |
| 7 110+68.25 TO 111+59.2 A.R.                    | 246.2            | -                         | -                | -                                  |
| <b>TOTALS:</b>                                  | <b>1,604.7</b>   | <b>1,022.2</b>            | <b>32.0</b>      | <b>14.0</b>                        |
| <b>USE:</b>                                     | <b>1,605</b>     | <b>1,023</b>              | <b>32</b>        | <b>14</b>                          |

EARTHWORK SCHEDULE

| LOCATION                              | 1 TOPSOIL EXCAVATION, 6" | 2 TOPSOIL EXCAV., 6" x SHRINKAGE FACTOR | 3* REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | 4* EARTH EXCAVATION (BELOW T. SOIL) | 5 EARTH EXCAV. X SHRINKAGE FACTOR | 6 EMBANKMENT (STRUCTURAL) | 7 BALANCE (-) WASTE (+) BORROW | 8 EMBANKMENT (NON-STRUCTURAL) | 9 BALANCE (-) WASTE (+) BORROW | 10 TOPSOIL PLACE-MENT, 4" | 11 BALANCE (-) WASTE (+) BORROW | 12 TOTAL BALANCES (-) WASTE (+) BORROW | 13* TOPSOIL EXCAVATION AND PLACEMENT |
|---------------------------------------|--------------------------|---|--|-------------------------------------|-----------------------------------|---------------------------|--------------------------------|-------------------------------|--------------------------------|---------------------------|---------------------------------|--|--------------------------------------|
|                                       | CU. YD.                  | CU. YD.                                 | CU. YD.  | CU. YD.                             | CU. YD.                           | CU. YD.                   | CU. YD.                        | CU. YD.                       | CU. YD.                        | CU. YD.                   | CU. YD.                         | CU. YD.                                | CU. YD.                              |
| MOORE STREET<br>105+62.50 - 111+59.20 | 743.0                    | 557.3                                   | 286.0  | 1,285.0                             | 963.8                             | 121.0                     | -842.8                         | 327.0                         | -515.8                         | 392.0                     | -165.3                          | -681.0                                 | 743.0                                |
| <b>TOTALS:</b>                        | <b>743.0</b>             | <b>557.3</b>                            | <b>286.0</b>                                   | <b>1,285.0</b>                      | <b>963.8</b>                      | <b>121.0</b>              | <b>-842.8</b>                  | <b>327.0</b>                  | <b>-515.8</b>                  | <b>392.0</b>              | <b>-165.3</b>                   | <b>-681.0</b>                          | <b>743.0</b>                         |
| <b>USE:</b>                           |                          |   | <b>286</b>                                     | <b>1,285</b>                        |                                   |                           |                                |                               |                                |                           |                                 |  | <b>743</b>                           |

NOTES:

\* = PAY ITEM

COLUMN 1 = BASED ON BORINGS. CALCULATED FROM CROSS SECTIONS. SEE TYPICALS AND CROSS SECTIONS FOR LIMITS.

COLUMN 2 = COLUMN 1 x 0.75, FOR A CONSERVATIVE ESTIMATE OF TOPSOIL MATERIAL THAT IS AVAILABLE.

COLUMN 3 = EXISTING AGGREGATE BASES UNDER REMOVED PAVEMENT. SEE TYPICALS AND CROSS SECTIONS FOR DEPTHS.

COLUMN 4 = EARTH MATERIAL BELOW TOPSOIL, AGGREGATE SURFACES AND BASES, AND PAVEMENTS THAT IS SUITABLE FOR COLUMNS 6 AND 8 MATERIAL.

COLUMN 5 = COLUMN 4 x 0.75, FOR A CONSERVATIVE ESTIMATE OF EARTH EXCAVATION MATERIAL THAT IS AVAILABLE.

COLUMN 6 = CALCULATED FROM CROSS SECTIONS. THIS MATERIAL MAY BE EARTH EXCAVATION MATERIAL BUT NOT TOPSOIL, TO BE USED AS A STRUCTURAL FILL UNDER PAVEMENTS AND SIDEWALKS.

COLUMN 7 = COLUMN 6 - COLUMN 5. EQUATES TO EARTH EXCAVATION MATERIAL NOT USED FOR STRUCTURAL FILL.

COLUMN 8 = CALCULATED FROM CROSS SECTIONS. THIS MATERIAL IS NON-STRUCTURAL FILL AS IT IS NOT UNDER PAVEMENTS AND SIDEWALKS.

COLUMN 9 = COLUMN 7 + COLUMN 8. EQUATES TO THE MATERIAL NEEDED OR REQUIRED AFTER EARTH EXCAVATION IS USED FOR STRUCTURAL AND THEN NON-STRUCTURAL FILL.

COLUMN 10 = CALCULATED FROM CROSS SECTIONS. SEE TYPICALS AND CROSS SECTIONS FOR LIMITS.

COLUMN 11 = COLUMN 10 - COLUMN 2. EQUATES TO THE AMOUNT OF EXCAVATED TOPSOIL THAT REMAINS AFTER PLACING IT AS A FINAL SURFACE.

COLUMN 12 = COLUMN 9 + COLUMN 11. EQUATES TO THE AMOUNT OF MATERIAL TO WASTE OR TO BRING IN FROM OFFSITE FOR NON-STRUCTURAL FILL.

COLUMN 13 = COLUMN 1

TRENCH EXCAVATION FOR STORM SEWER AND OTHER DRAINAGE STRUCTURES IS NOT INCLUDED IN THE EARTHWORK CALCULATIONS ABOVE.

**MAINLINE AND ENTRANCES PAVING SCHEDULE**

| LOCATION                                  | LENGTH<br>(FOOT)                     | AGGREGATE<br>BASE<br>COURSE,<br>TYPE A<br>4" | AGGREGATE<br>BASE<br>COURSE,<br>TYPE A<br>8" | AGGREGATE<br>BASE<br>COURSE,<br>TYPE A<br>12" | AGGREGATE<br>BASE<br>COURSE,<br>TYPE A | COMBINATION<br>CONCRETE<br>CURB<br>AND<br>GUTTER,<br>TYPE B-6.24 | PORTLAND<br>CEMENT<br>CONCRETE<br>DRIVEWAY<br>PAVEMENT,<br>8 INCH | BITUMINOUS<br>MATERIALS<br>(PRIME<br>COAT) | HOT-MIX<br>ASPHALT<br>BASE<br>COURSE,<br>6 1/2" | HOT-MIX<br>ASPHALT<br>BINDER<br>COURSE,<br>IL-19.0, N70 | HOT-MIX<br>ASPHALT<br>SURFACE<br>COURSE,<br>IL-9.5<br>MIX "D",<br>N70 | PORTLAND<br>CEMENT<br>CONCRETE<br>SIDEWALK,<br>5 INCH | DETECTABLE<br>WARNINGS | AGGREGATE<br>SHOULDERS,<br>TYPE B |      |      |
|---|--------------------------------------|--|--|---|--|--|---|--|---|---|---|---|------------------------|-----------------------------------|------|------|
|   |                                      | SQ YD  | SQ YD  | SQ YD   | TON                                    | FOOT   | SQ YD   | POUND                                      | SQ YD   | TON   | TON   | SQ FT   | SQ FT                  | TON                               |      |      |
| <b>MOORE STREET</b>                       |                                      |  |  |   |  |  |   |  |   |   |   |   |                        |                                   |      |      |
| 1   | 105+55.49 TO 106+70.93               | A.R.   | 115.4  | 128.3   | -                                      | 13.4   | 216.9   | 1,064                                      | 337.3   | 45.2  | 50.3  | 923.5   | -                      | -                                 |      |      |
| 2   | F.E. 106+43.33                       | LT.  | -  | -   | 23.1                                   | -  | -   | 18.7                                       | -   | -   | -   | -   | -                      | -                                 |      |      |
| 3   | 106+70.93 TO 107+15.5                | A.R.   | 44.6   | 49.6  | -                                      | 176.0  | 89.2  | 411  | 138.6   | 17.5  | 19.5  | 356.6   | 16.0                   | -                                 |      |      |
| 4   | C.E./DRIVE 106+95.41                 | LT.  | -  | -   | 198.3                                  | -  | -   | 413  | -   | 21.0  | 23.4  | -   | -                      | -                                 |      |      |
| 5   | C.E./DRIVE 107+54.73                 | RT.  | -  | -   | 444                                    | -  | 88.7  | 325.3                                      | 185   | 9.4   | 10.5  | -   | -                      | -                                 |      |      |
| 6   | 107+15.5 TO 107+78.                  | A.R.   | 62.5   | 15.2  | -                                      | 244.6  | 7.3   | 125.0                                      | 577   | 194.4   | 24.5  | 27.2  | 137.1                  | -                                 |      |      |
| 7   | 107+78. TO 110+03.09                 | A.R.   | 225.1  | 278.6   | -                                      | 880.9  | 26.2  | 450.2                                      | 2,077   | 700.3   | 88.2  | 98.0  | 2,058.0                | 32.0                              |      |      |
| 8   | 108+55.25 TO 108+80.5                | LT.  | 25.3   | -   | 5.1                                    | -  | -   | 13.0                                       | -   | 0.6   | 0.8   | -   | -                      | -                                 |      |      |
| 9   | C.E./DRIVE/MAILBOX TURNOUT 109+07.74 | LT.  | -  | -   | 72.7                                   | -  | -   | 51.4                                       | 40  | -   | 2.0   | 2.3   | -                      | -                                 |      |      |
| 10  | 110+03.09 TO 110+54.5                | A.R.   | 51.4   | -   | -                                      | 201.2  | 6.0   | 102.8                                      | 475   | 159.9   | 20.1  | 22.4  | -                      | -                                 |      |      |
| 11  | C.E./DRIVE 110+34.21                 | RT.  | -  | -   | 362.7                                  | -  | -   | 129.6                                      | 259.2   | 6.4   | 7.1   | -   | -                      | -                                 |      |      |
| 12  | 110+54.5 TO 110+69.25                | A.R.   | 14.8   | 9.8   | -                                      | 36.7   | 11  | 14.8                                       | 137   | 45.9  | 5.8   | 6.5   | 64.0                   | 16.0                              |      |      |
| <b>MOORE STREET (TEMPORARY CONNECTOR)</b> |                                      |  |  |   |  |  |   |  |   |   |   |   |                        |                                   |      |      |
| 13  | 110+69.25 TO 111+59.2                | A.R.   | 90.0   | -   | -                                      | -  | 518.0   | -  | 665   | -   | 35.8  | 39.2  | -                      | 24.7                              |      |      |
| <b>TOTALS:</b>                            |                                      |  |  | 481.5   | 1,105.9                                | 1,539.4  | 587.1   | 1,217.2                                    | 671.9   | 6,183   | 1,576.4   | 276.5   | 307.2                  | 3,539.2                           | 64.0 | 26.4 |
| <b>USE:</b>                               |                                      |  |  | 482   | 1,106                                  | 1,540  | 588   | 1,218                                      | 672   | 6,183   | 1,577   | 277   | 308                    | 3,540.0                           | 64.0 | 27   |



FURNISHING AND ERECTING  
RIGHT OF WAY MARKERS SHCEDULE

| LOCATION             | FURNISH AND ERECTING ROW MARKERS |
|----------------------|----------------------------------|
|                      | EACH                             |
| MOORE STREET (RIGHT) |                                  |
| 107+34.38 56.80 RT.  | 1                                |
| 107+34.38 68.00 RT.  | 1                                |
| 108+40.89 51.68 RT.  | 1                                |
| 109+25.02 75.30 RT.  | 1                                |
| 109+28.14 42.53 RT.  | 1                                |
| 109+53.21 42.53 RT.  | 1                                |
| 109+52.01 60.47 RT.  | 1                                |
| 110+09.73 62.4 RT.   | 1                                |
| 110+09.66 72.4 RT.   | 1                                |
| MOORE STREET (LEFT)  |                                  |
| 106+72.33 52.18 LT.  | 1                                |
| 106+72.34 26.83 LT.  | 1                                |
| 109+54.47 44.02 LT.  | 1                                |
| 110+98.55 41.43 LT.  | 1                                |
| 110+97.59 46.44 LT.  | 1                                |
| TOTALS:              | 14                               |

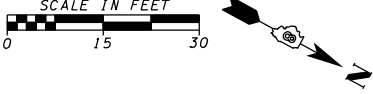
TEMPORARY AND PERMANENT EROSION CONTROLS SCHEDULE

| LOCATION     | INLET AND PIPE PROTECTION  | TEMPORARY DITCH CHECKS | PERIMETER EROSION BARRIER | MULCH, METHOD 2 | HEAVY DUTY EROSION CONTROL BLANKET | SEEDING, CLASS 1A |
|--------------|----------------------------|------------------------|---------------------------|-----------------|------------------------------------|-------------------|
|              | EACH                       | FOOT                   | FOOT                      | ACRE            | SQ YD                              | ACRE              |
| MOORE STREET |                            |                        |                           |                 |                                    |                   |
| 1            | 105+45.42 TO 106+30. LT.   | -                      | -                         | -               | 24.2                               | -                 |
| 2            | 105+45.42 TO 107+44.36 RT. | 3                      | 32.0                      | -               | 350.2                              | 0.229             |
| 3            | 105+62.5 TO 107+54.83 LT.  | 4                      | -                         | -               | 0.108                              | 0.108             |
| 4            | 107+25. TO 107+76.33 RT.   | 1                      | -                         | -               | -                                  | -                 |
| 5            | 107+54.43 TO 108+91.62 LT. | 1                      | -                         | -               | 0.028                              | 0.028             |
| 6            | 107+75.33 TO 110+35. RT.   | 5                      | -                         | -               | 0.239                              | 0.239             |
| 7            | 109+20. TO 111+59. LT.     | -                      | -                         | 233.0           | 0.206                              | 0.206             |
| 8            | 110+29.28 TO 110+62.35 RT. | 1                      | -                         | -               | -                                  | -                 |
| 9            | 110+57.26 TO 111+99.97 RT. | 1                      | -                         | -               | 0.192                              | 0.192             |
| TOTALS:      |                            | 16                     | 32.0                      | 233.0           | 1.00                               | 1,056.9           |
| USE:         |                            | 16                     | 32                        | 233             | 1.00                               | 1,057             |

VALVE ADMJUSTMENTS  
BY THE CITY SCHEDULE

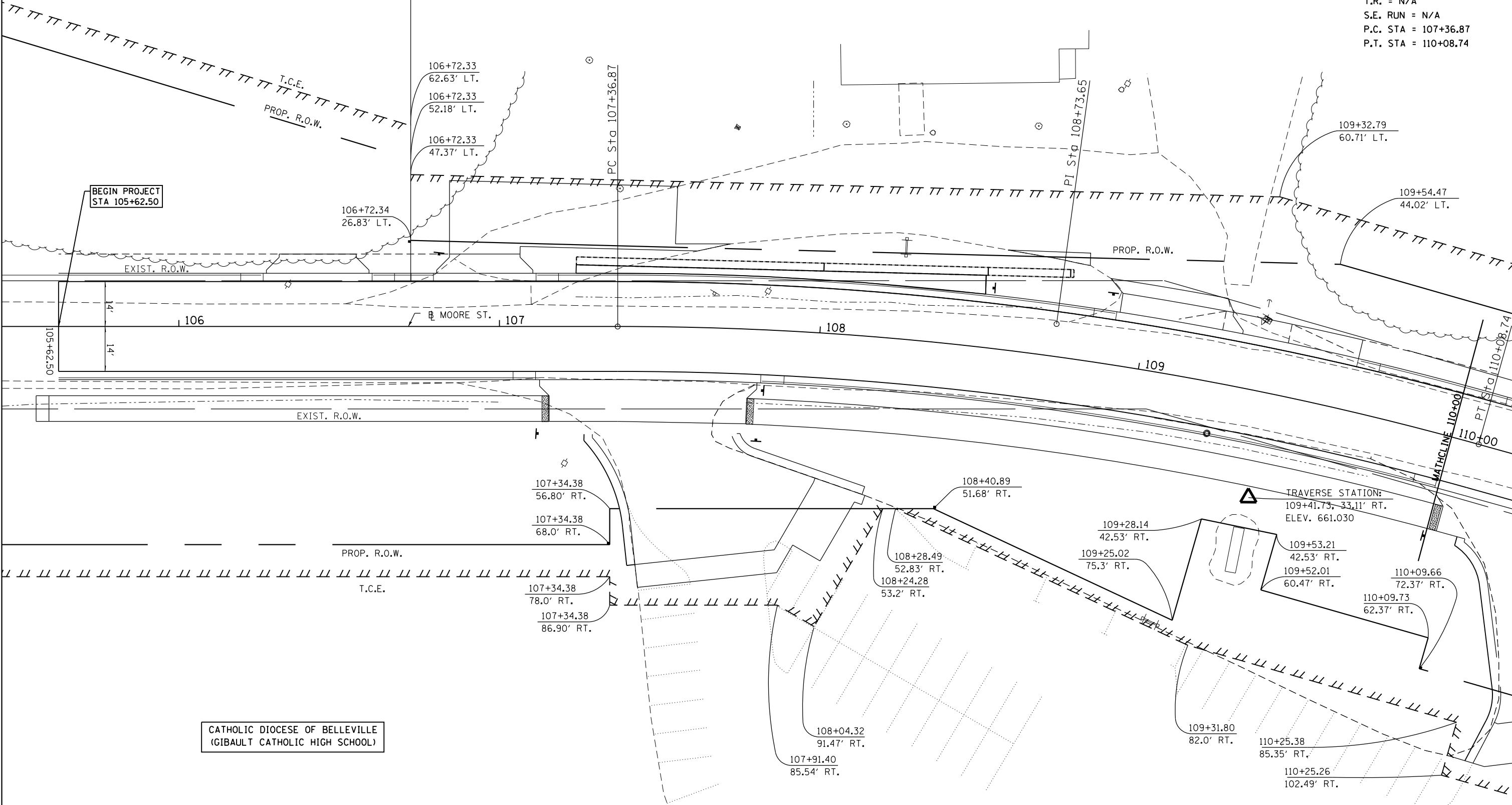
| LOCATION        | (NOT A PAY ITEM)<br>GAS VALVE TO BE LOWERED (BY CITY) |
|-----------------|---|
|                 | EACH  |
| MOORE STREET    |   |
| 1 110+53.38 LT. | 1   |
| 2 110+60.67 RT. | 1   |
| TOTALS:         | 2   |

SUSAN WARD RESID. LOT



SUSAN WARD (HELPING HAND THRIFT STORE)

PROP. CURVE PM14  
 PI STA. = 108+73.65  
 $\Delta$  = 15° 34' 36" (RT)  
 D = 5° 43' 46"  
 R = 1,000.00'  
 T = 136.78'  
 L = 271.87'  
 E = 9.31'  
 e = NONE  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA = 107+36.87  
 P.T. STA = 110+08.74



CATHOLIC DIOCESE OF BELLEVILLE (GIBAULT CATHOLIC HIGH SCHOOL)

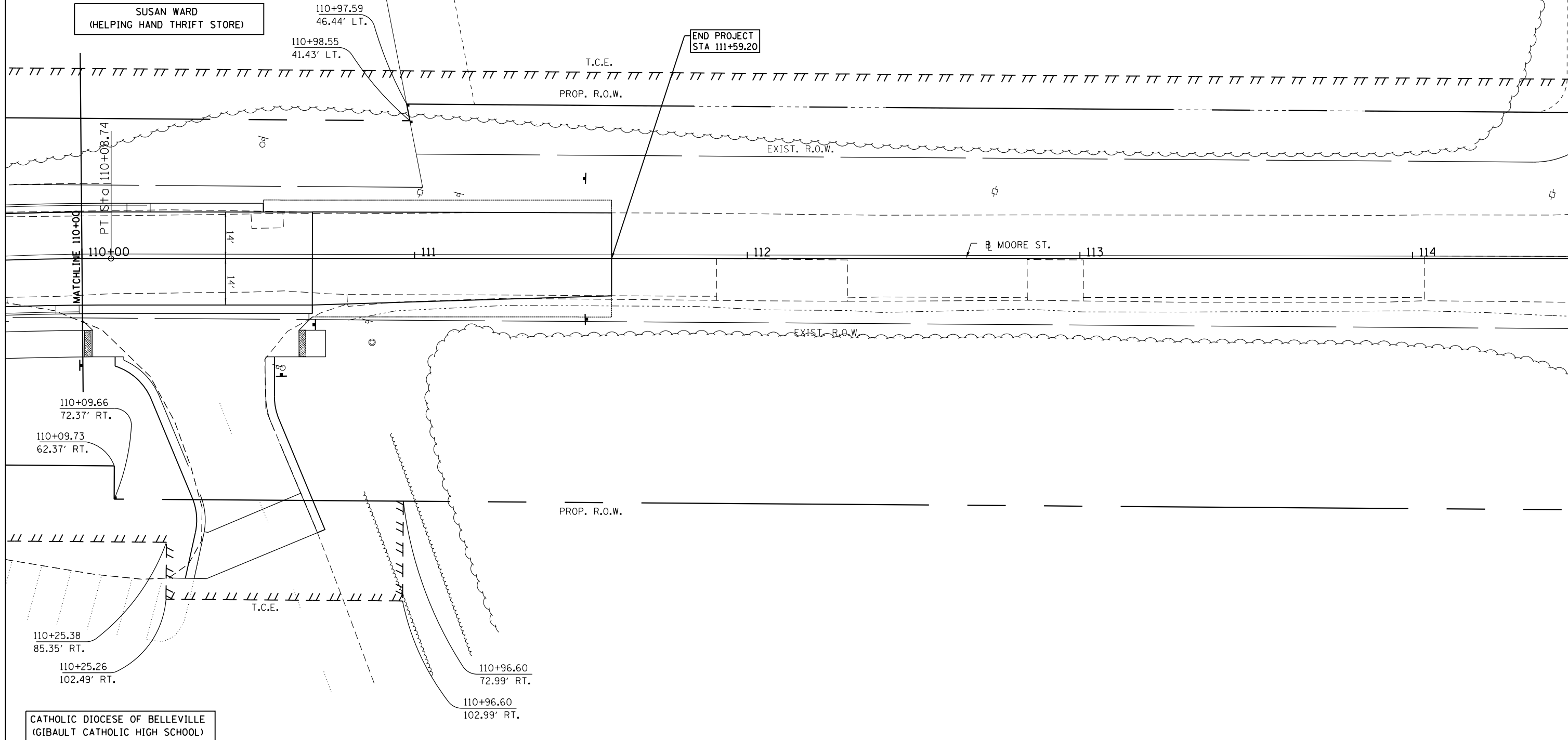
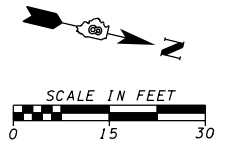
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| Default   | PLOT SCALE = 30.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, R.O.W., T.C.E., PROP. OWNERS & BENCH MARKS:  
 105 + 62.50 TO 110 + 08.74  
 MOORE ST.  
 SCALE: SHEET OF SHEETS STA. 105+62.50 TO STA. 110+00

| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|--------------------|----------------|--------|---------------------------|-----------|
|                    | 15-00032-04-PV | MONROE | 132                       | 92        |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

PROP. CURVE PM14  
 PI STA. = 108+73.65  
 $\Delta = 15^\circ 34' 36''$  (RT)  
 $D = 5^\circ 43' 46''$   
 $R = 1,000.00'$   
 $T = 136.78'$   
 $L = 271.87'$   
 $E = 9.31'$   
 $e = \text{NONE}$   
 $T.R. = \text{N/A}$   
 $S.E. \text{ RUN} = \text{N/A}$   
 $P.C. \text{ STA} = 107+36.87$   
 $P.T. \text{ STA} = 110+08.74$



|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = k.jones         | DESIGNED - | REVISED - |
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| Default   | PLOT SCALE = 30.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

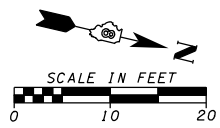
**ALIGNMENT, R.O.W., T.C.E., PROP. OWNERS & BENCH MARKS:  
 110 + 08.74 TO 111 + 59.20  
 MOORE ST.**

SCALE: SHEET OF SHEETS STA. 110+00 TO STA. 111+59.20

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132          | 93        |
|                           |                |        | CONTRACT NO. | 9717      |
| ILLINOIS FED. AID PROJECT |                |        |              |           |







**LEGEND**

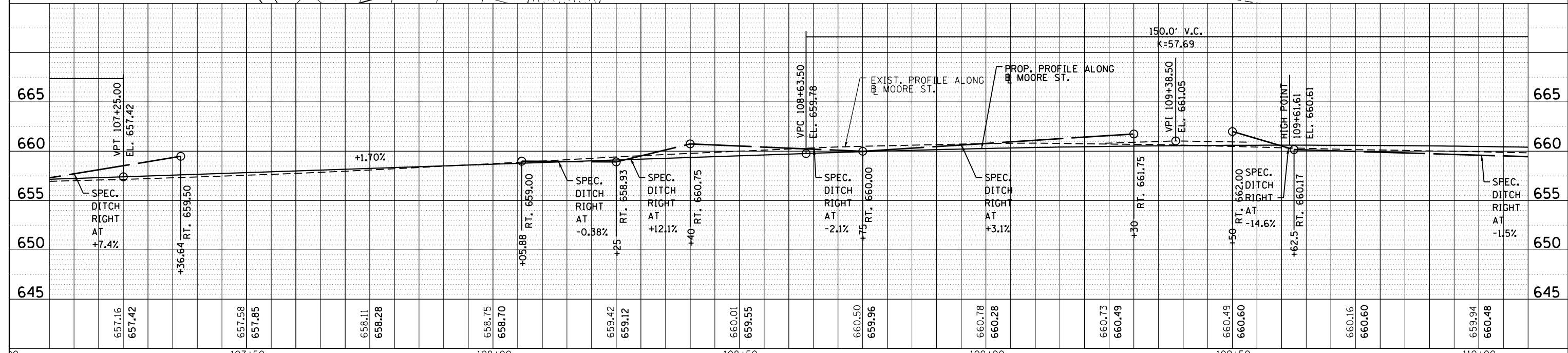
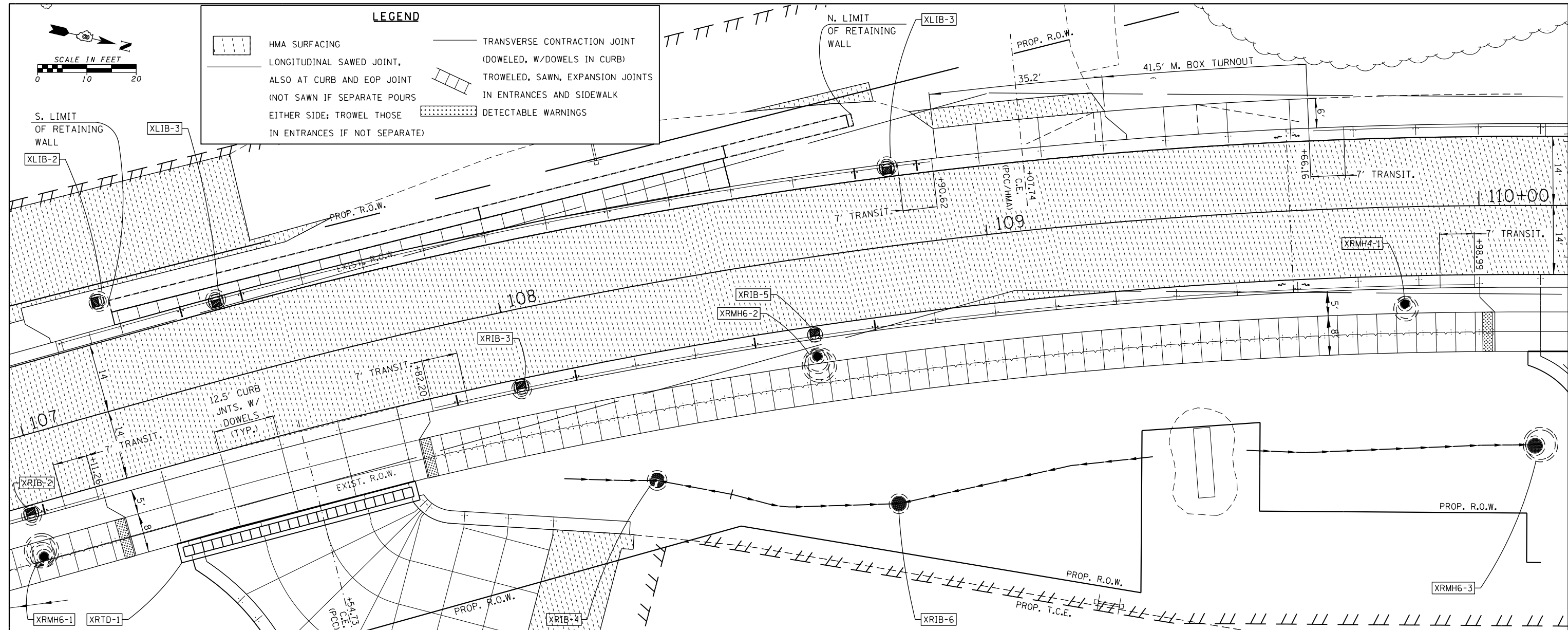
|  |  |  |   |
|--|--|--|---|
|  | HMA SURFACING  |  | TRANSVERSE CONTRACTION JOINT<br>(DOWELED, W/DOWELS IN CURB)   |
|  | LONGITUDINAL SAWED JOINT,<br>ALSO AT CURB AND EOP JOINT<br>(NOT SAWN IF SEPARATE POURS<br>EITHER SIDE; TROWEL THOSE<br>IN ENTRANCES IF NOT SEPARATE) |  | TROWELED, SAWN, EXPANSION JOINTS<br>IN ENTRANCES AND SIDEWALK |
|  | DETECTABLE WARNINGS  |  |   |

PLAN

|                |  |
|----------------|--|
| DATE           |  |
| BY             |  |
| SURVEYED       |  |
| PLOTTED        |  |
| ALIGNED        |  |
| CHECKED        |  |
| DESIGNED       |  |
| NO. _____      |  |
| NOTE BOOK      |  |
| NO. _____      |  |
| CADD FILE NAME |  |

PROFILE

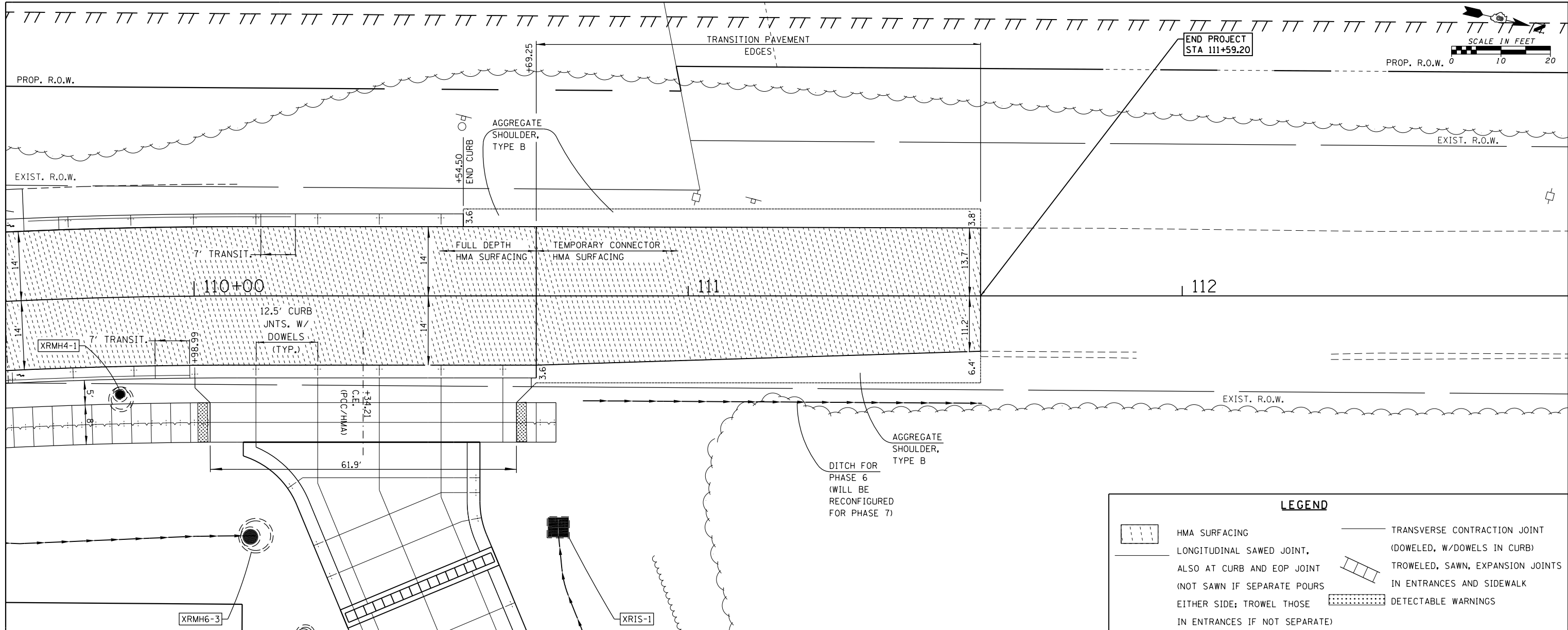
|                   |  |
|-------------------|--|
| DATE              |  |
| BY                |  |
| SURVEYED          |  |
| PLOTTED           |  |
| GRADES CHECKED    |  |
| STRUCTURE         |  |
| NOTATIONS CHECKED |  |
| NO. _____         |  |
| NOTE BOOK         |  |
| NO. _____         |  |
|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



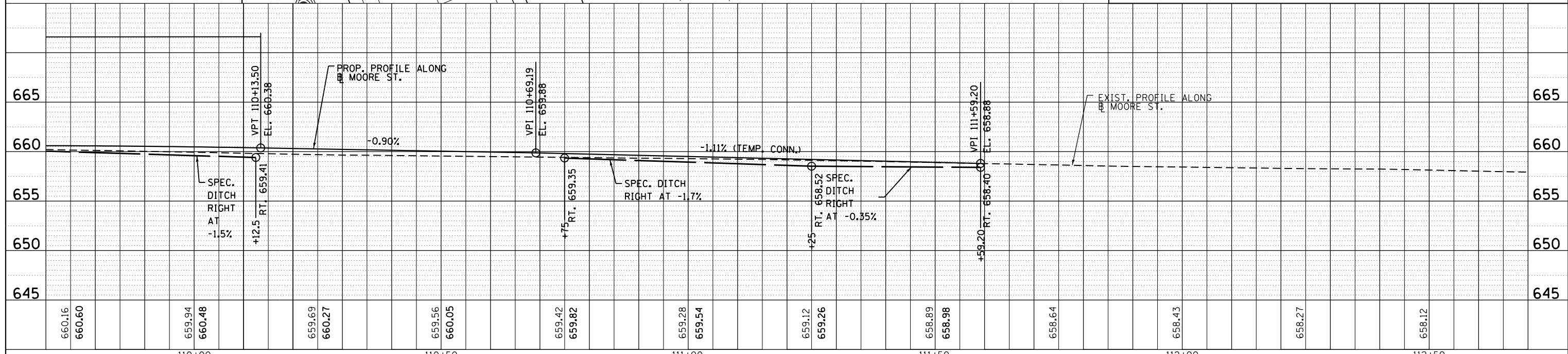
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|--|---------------------|------------|-----------|---|---|---------------------------|----------------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = k_jones | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN &amp; PROFILE:<br/>107 + 00 TO 110 + 00<br/>MOORE ST.</b> | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384-Waterloo-Moore-St-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-95-PPM.dwg |                     | DRAWN -    | REVISED - |   |   | 9315                      | 15-00032-04-PV | MONROE | 182          | 95        |
| PLOT SCALE = 20.0000' / in.  |                     | CHECKED -  | REVISED - |   |   | CONTRACT NO. 97717        |                |        |              |           |
| Default  |                     | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |

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

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



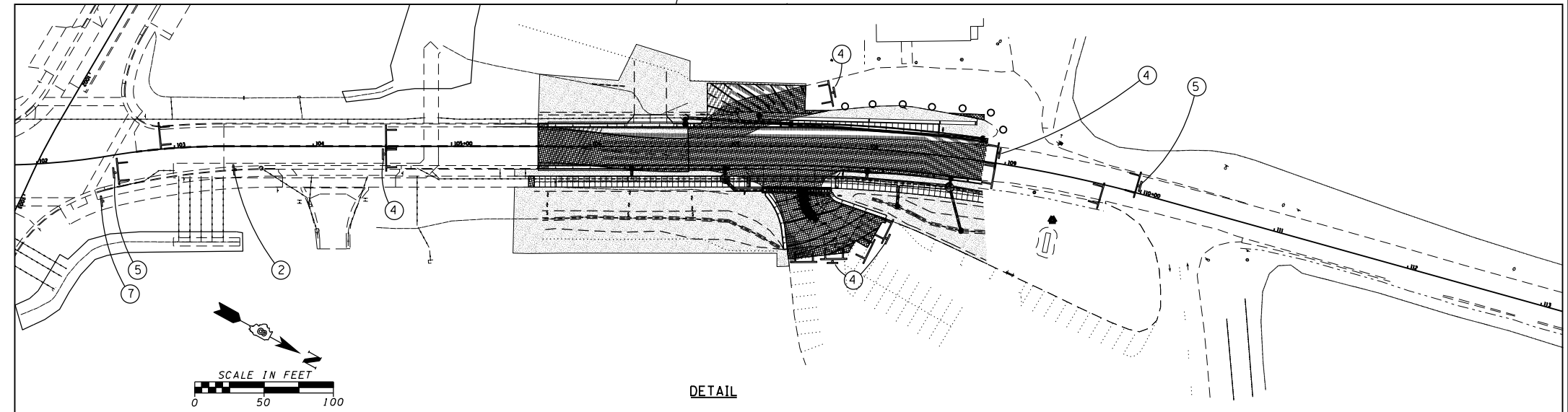
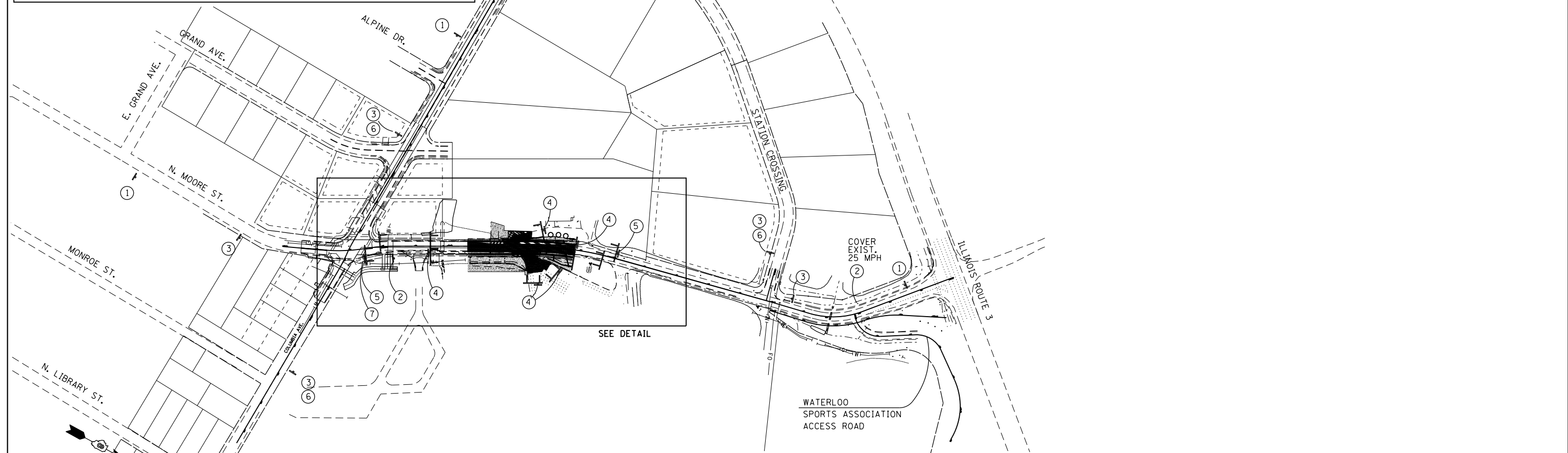
| LEGEND |  |
|--------|--|
|        | HMA SURFACING  |
|        | LONGITUDINAL SAWED JOINT, ALSO AT CURB AND EOP JOINT       |
|        | TROWELED, SAWN, EXPANSION JOINTS IN ENTRANCES AND SIDEWALK |
|        | DETECTABLE WARNINGS  |
|        | TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURB)   |
|        | TROWELED, SAWN, EXPANSION JOINTS IN ENTRANCES AND SIDEWALK |
|        | DETECTABLE WARNINGS IN ENTRANCES IF NOT SEPARATE           |



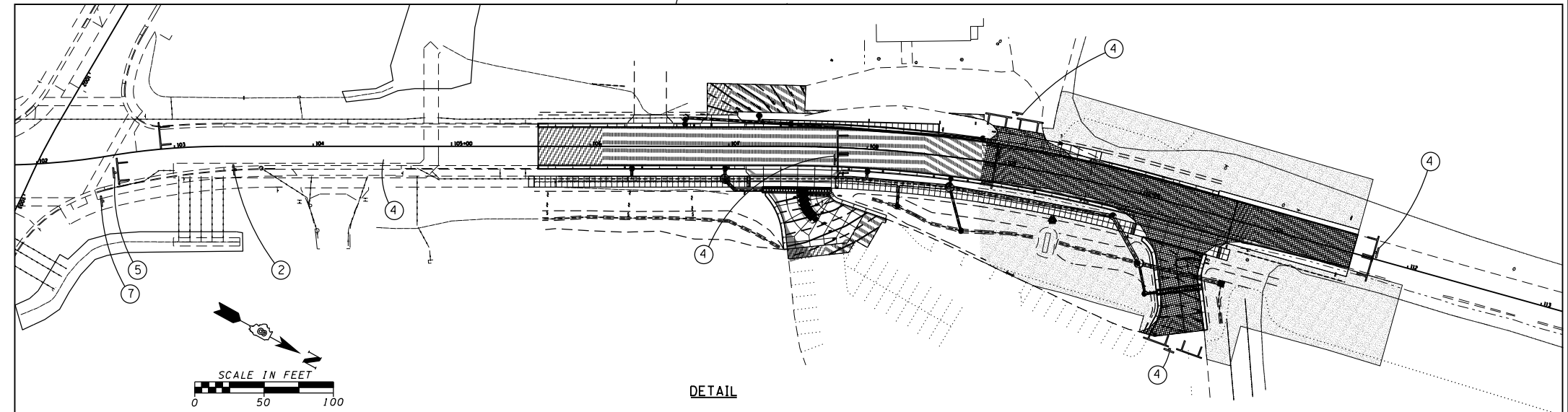
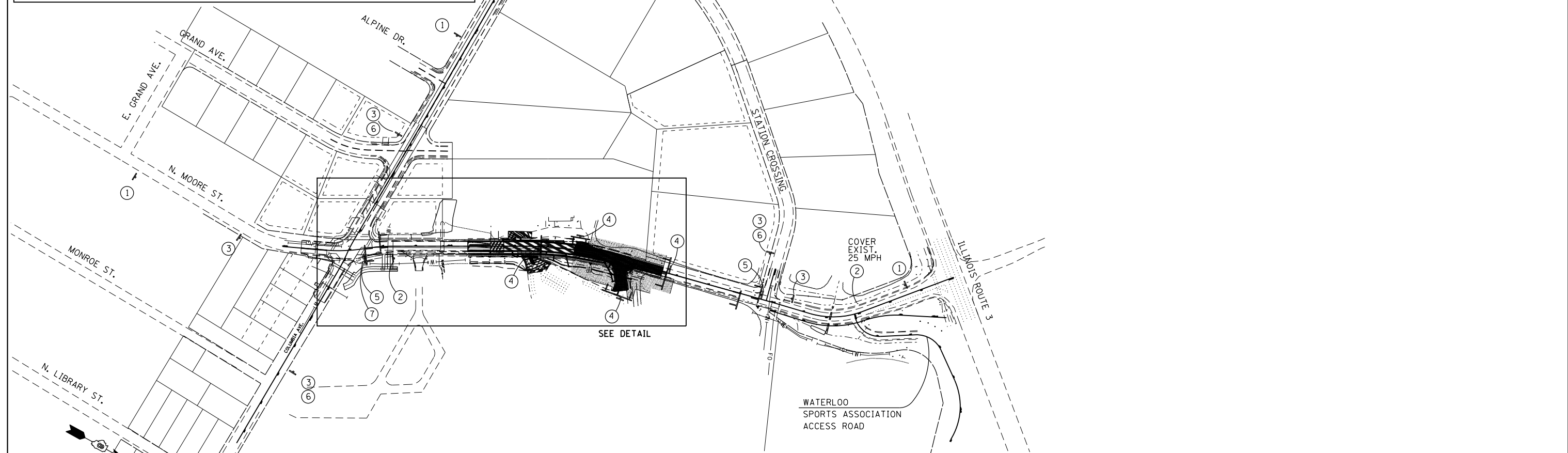
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|---|-----------------------------|------------|-----------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = k_jones         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PLAN &amp; PROFILE:<br/>110+00 TO 111+59.20<br/>MOORE ST.</b> | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-96.PPM | DRAWN -                     | REVISED -  | 9315      |   |  | 15-00032-04-PV            | MONROE  | 182    | 96           |           |
| Default   | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |   |  | CONTRACT NO. 97717        |         |        |              |           |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |         |        |              |           |

SCALE: SHEET OF SHEETS STA. 110+00 TO STA. 111+59.20

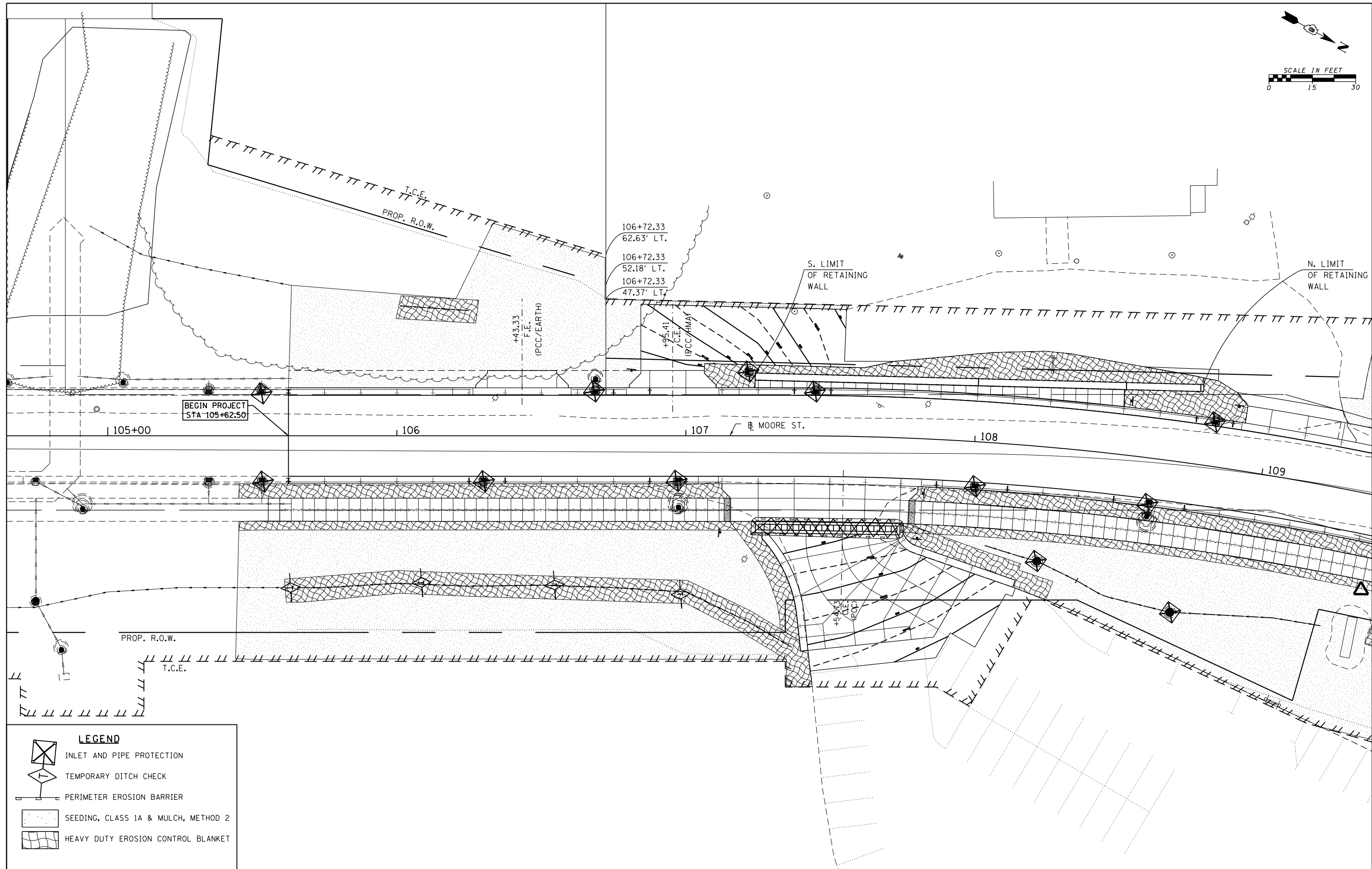
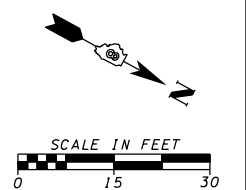
1 ROAD CONSTRUCTION AHEAD W20-1103(O)-48  
 2 20 MPH W13-1(O)-2424  
 3 ROAD CLOSED AHEAD W20-3(O)-48  
 4 ROAD CLOSED R11-2  
 5 ROAD CLOSED TO THRU TRAFFIC R11-4  
 6 M6-1  
 7 R9-9  
 FLASHING LIGHT  
 TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT  
 TYPE III BARRICADE OR DRUM WITH FLASHING LIGHT



|  |                              |            |           |   |                                     |       |    |        |           |         |        |              |           |
|--|------------------------------|------------|-----------|---|-------------------------------------|-------|----|--------|-----------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = kjones           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TRAFFIC CONTROL:<br/>STAGE 1</b> |       |    |        | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_97-TRAFFIC.dgn |                              | DRAWN -    | REVISED - |   | SCALE:                              | SHEET | OF | SHEETS | STA.      | TO      | STA.   | 132          | 97        |
| Default  | PLOT SCALE = 300.0000' / in. | CHECKED -  | REVISED - |   | CONTRACT NO. 97717                  |       |    |        |           |         |        |              |           |
|  | PLOT DATE = 3/30/2021        | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT           |       |    |        |           |         |        |              |           |



|  |                              |            |           |   |                                     |       |    |        |           |         |        |                |           |     |    |
|--|------------------------------|------------|-----------|---|-------------------------------------|-------|----|--------|-----------|---------|--------|----------------|-----------|-----|----|
| FILE NAME =  | USER NAME = k.jones          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TRAFFIC CONTROL:<br/>STAGE 2</b> |       |    |        | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS   | SHEET NO. |     |    |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6_98.Traffic-2.dgn |                              | DRAWN -    | REVISED - |   | SCALE:                              | SHEET | OF | SHEETS | STA.      | TO      | STA.   | 15-00032-04-PV | MONROE    | 132 | 98 |
| Default  | PLOT SCALE = 300.0000' / in. | CHECKED -  | REVISED - |   | CONTRACT NO. 97717                  |       |    |        |           |         |        |                |           |     |    |
|  | PLOT DATE = 3/30/2021        | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT           |       |    |        |           |         |        |                |           |     |    |



**LEGEND**

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 1A & MULCH, METHOD 2
- HEAVY DUTY EROSION CONTROL BLANKET

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = k.jones         | DESIGNED - | REVISED - |
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| Default  | PLOT SCALE = 30.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

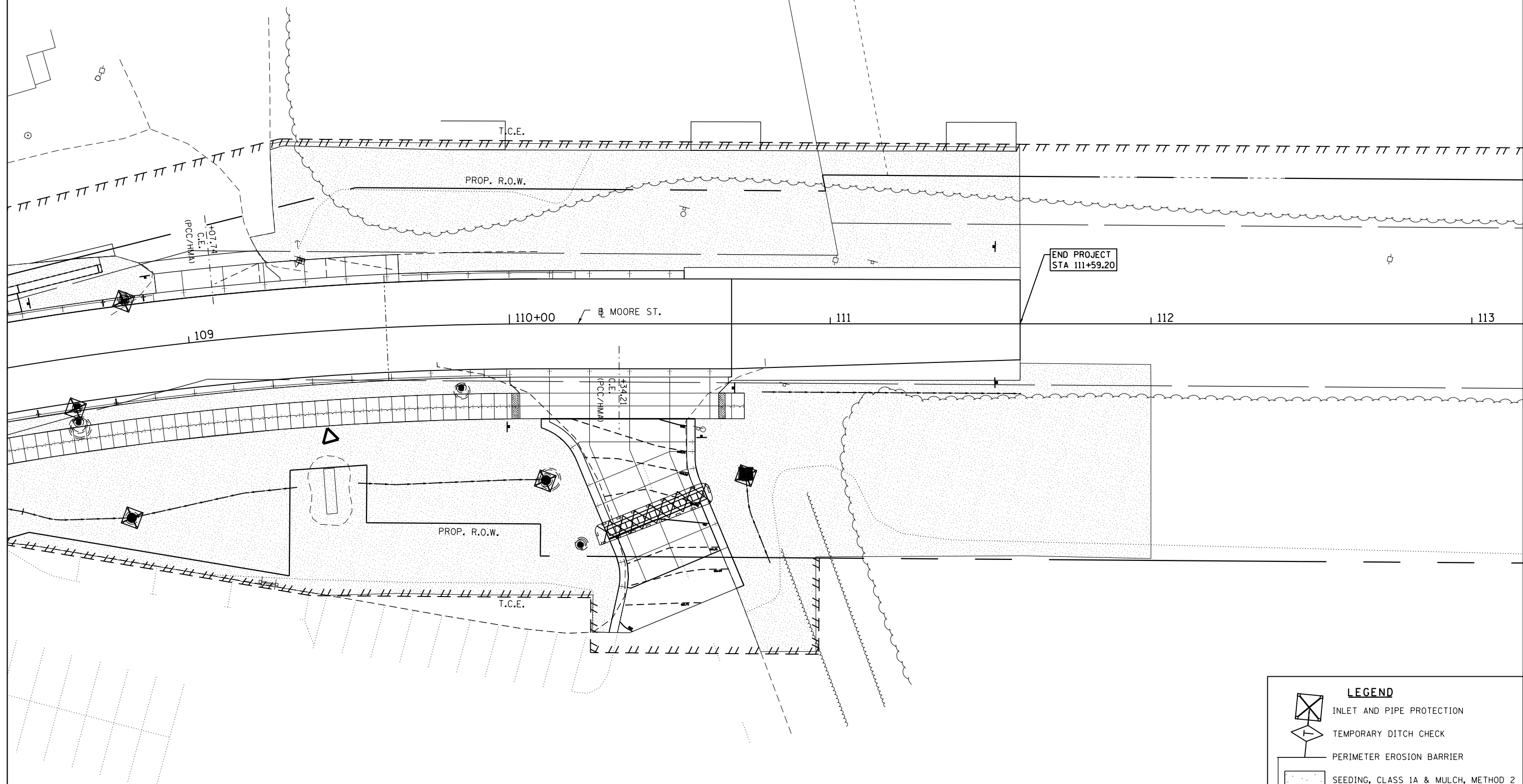
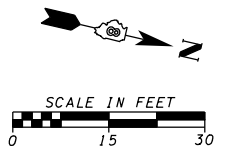
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL:  
105 + 00 TO 109 + 00  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 105+62.50 TO STA. 109+25

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132          | 99        |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |





| LEGEND |                                     |
|--------|-------------------------------------|
|        | INLET AND PIPE PROTECTION           |
|        | TEMPORARY DITCH CHECK               |
|        | PERIMETER EROSION BARRIER           |
|        | SEEDING, CLASS 1A & MULCH, METHOD 2 |
|        | HEAVY DUTY EROSION CONTROL BLANKET  |

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = kjones          | DESIGNED - | REVISED - |
| H:\7384_Waterloo_Moore_St_FAU_Phase_V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6.100.E |                             | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 30.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

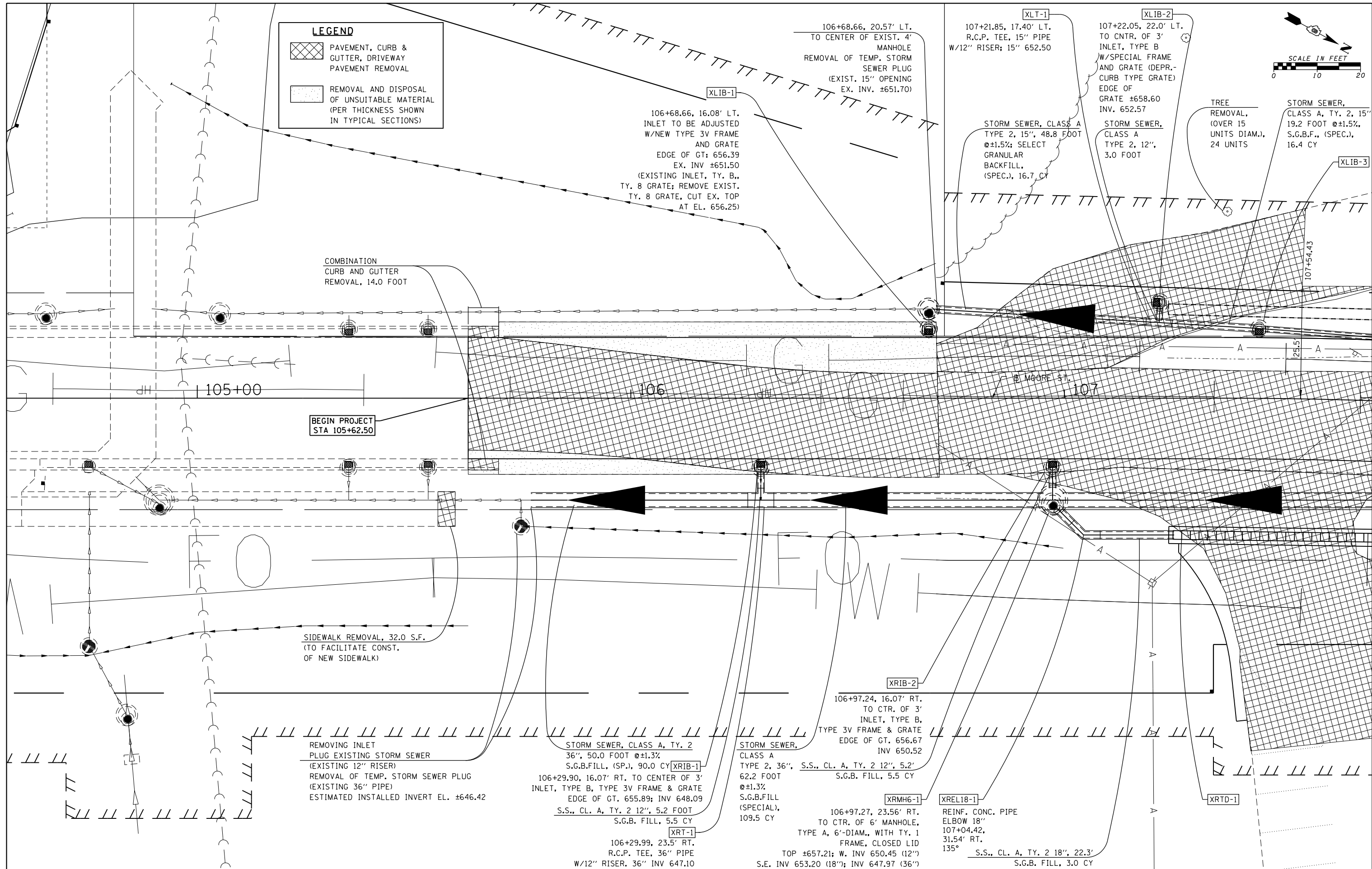
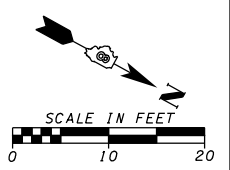
**EROSION CONTROL:  
109 + 00 TO 112 + 00  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 109+25 TO STA. 111+59.20

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132                | 100       |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |

**LEGEND**

- PAVEMENT, CURB & GUTTER, DRIVEWAY PAVEMENT REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (PER THICKNESS SHOWN IN TYPICAL SECTIONS)



|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = k_jones         | DESIGNED - | REVISED - |
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|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

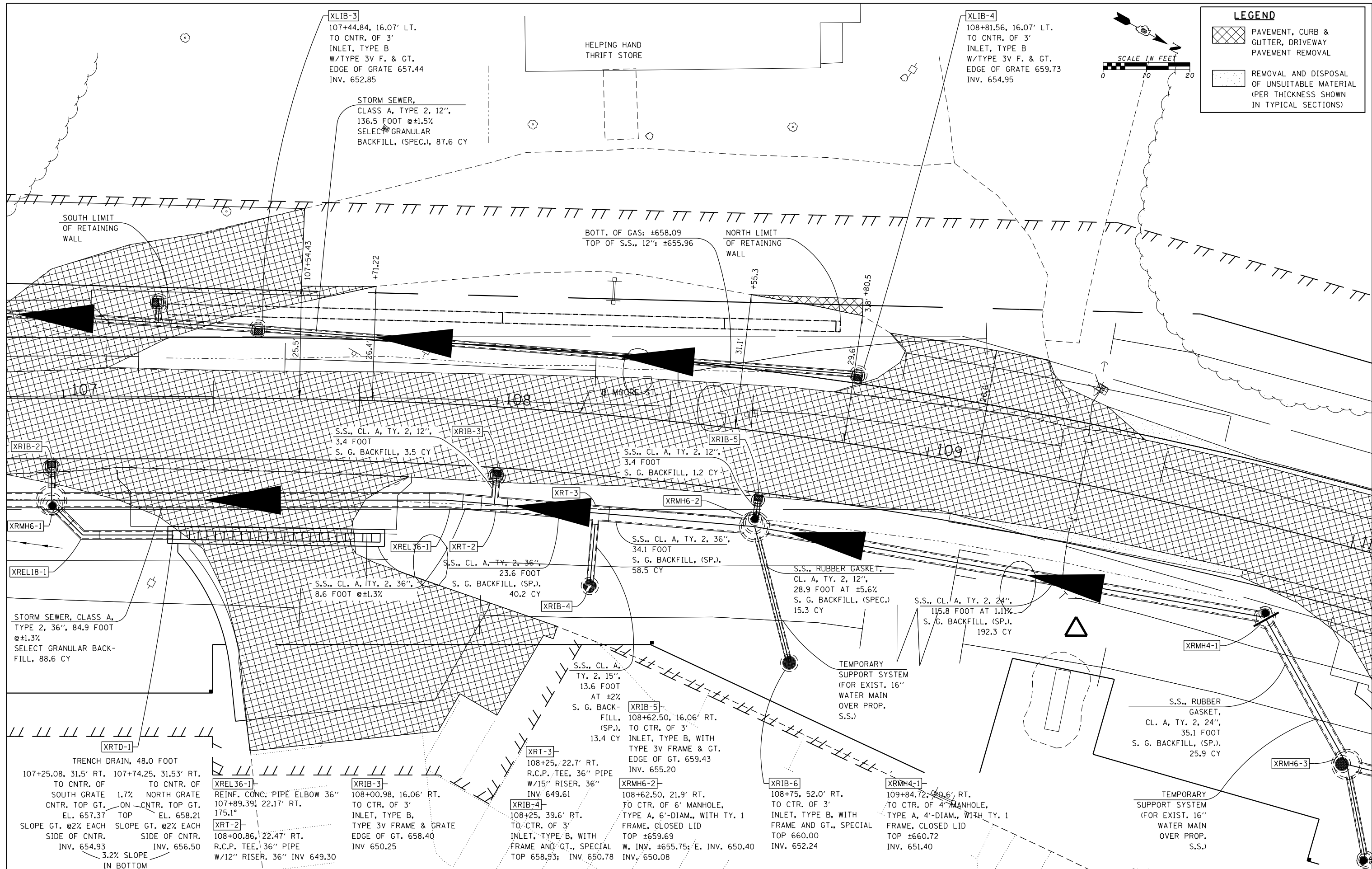
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:  
105 + 62.50 TO 107 + 55  
MOORE ST.**



SCALE: SHEET OF SHEETS STA. 105+62.50 TO STA. 107+50

|           |                |        |              |           |
|-----------|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|           | 15-00032-04-PV | MONROE | 132          | 101       |
|           |                |        | CONTRACT NO. | 97717     |

ILLINOIS FED. AID PROJECT



**LEGEND**

 PAVEMENT, CURB & GUTTER, DRIVEWAY PAVEMENT REMOVAL  
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (PER THICKNESS SHOWN IN TYPICAL SECTIONS)

|  |                     |            |           |
|--|---------------------|------------|-----------|
| FILE NAME =  | USER NAME = k.jones | DESIGNED - | REVISED - |
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| PLOT SCALE = 20.0000' / in.  | CHECKED -           | REVISIONS  | REVISIONS |
| Default  | DATE -              | REVISIONS  | REVISIONS |



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

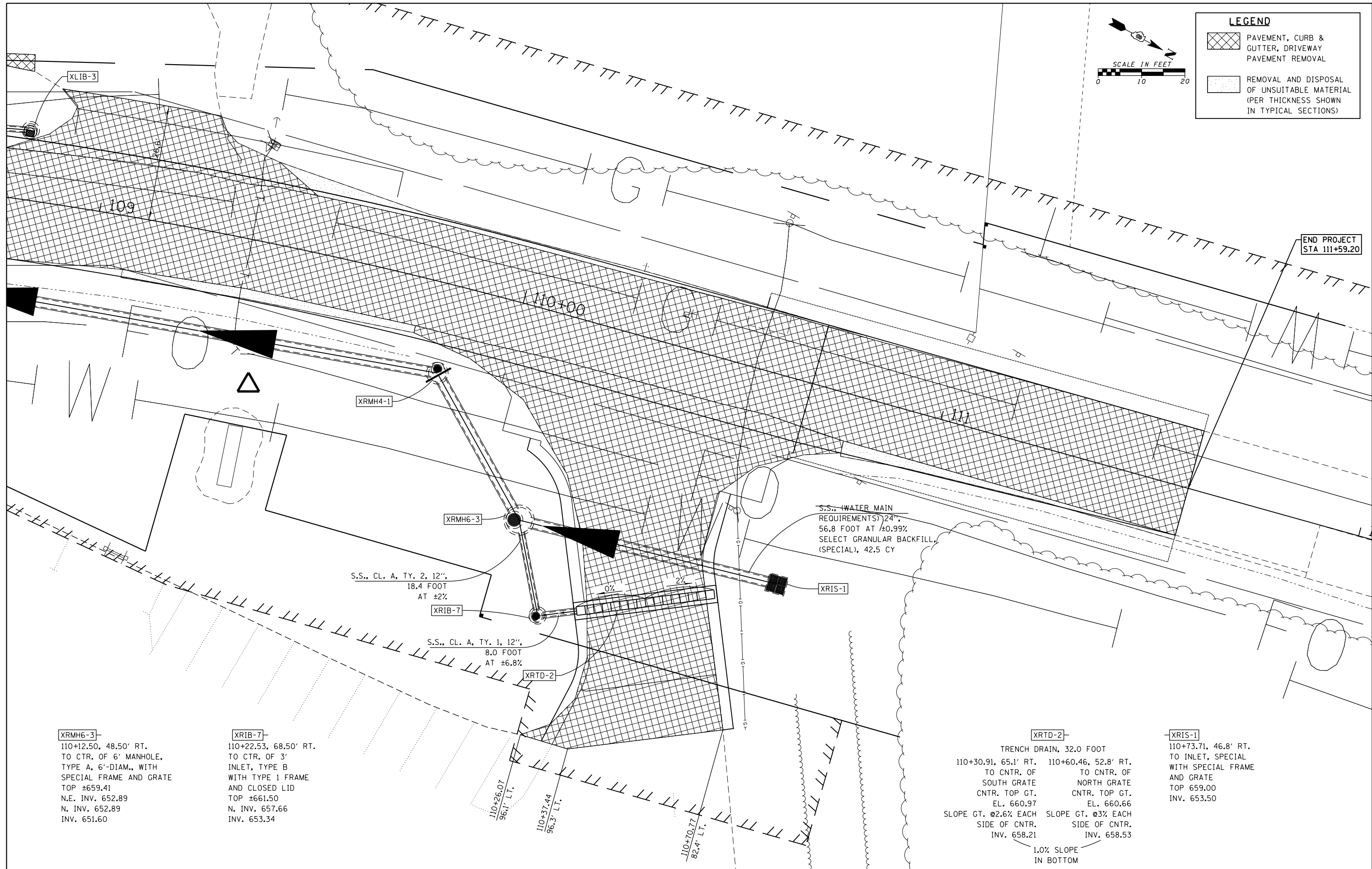
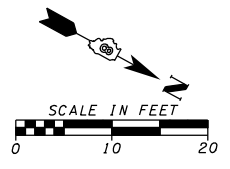
**REMOVALS AND STORM SEWER:  
107+55 TO 109+75  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 107+50 TO STA. 109+75

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    | 15-00032-04-PV | MONROE | 132                       | 102       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

**LEGEND**

 PAVEMENT, CURB & GUTTER, DRIVEWAY PAVEMENT REMOVAL  
 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (PER THICKNESS SHOWN IN TYPICAL SECTIONS)



END PROJECT  
STA 111+59.20

S.S. (WATER MAIN REQUIREMENTS) 24",  
56.8 FOOT AT ±0.99%  
SELECT GRANULAR BACKFILL,  
(SPECIAL), 42.5 CY

S.S., CL. A, TY. 2, 12",  
18.4 FOOT  
AT ±2%

S.S., CL. A, TY. 1, 12",  
8.0 FOOT  
AT ±6.8%

**XRMB-3**  
110+12.50, 48.50' RT.  
TO CTR. OF 6' MANHOLE,  
TYPE A, 6'-DIAM., WITH  
SPECIAL FRAME AND GRATE  
TOP ±659.41  
N.E. INV. 652.89  
N. INV. 652.89  
INV. 651.60

**XRIB-7**  
110+22.53, 68.50' RT.  
TO CTR. OF 3'  
INLET, TYPE B  
WITH TYPE 1 FRAME  
AND CLOSED LID  
TOP ±661.50  
N. INV. 657.66  
INV. 653.34

**XRTD-2**  
TRENCH DRAIN, 32.0 FOOT  
110+30.91, 65.1' RT. TO CNTR. OF SOUTH GRATE  
EL. 660.97  
SLOPE GT. @2.6% EACH SIDE OF CNTR.  
INV. 658.21  
110+60.46, 52.8' RT. TO CNTR. OF NORTH GRATE  
EL. 660.66  
SLOPE GT. @3% EACH SIDE OF CNTR.  
INV. 658.53  
1.0% SLOPE IN BOTTOM

**XRIS-1**  
110+73.71, 46.8' RT.  
TO INLET, SPECIAL  
WITH SPECIAL FRAME  
AND GRATE  
TOP 659.00  
INV. 653.50

|   |                             |            |           |
|---|-----------------------------|------------|-----------|
| FILE NAME =   | USER NAME = kjones          | DESIGNED - | REVISED - |
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|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

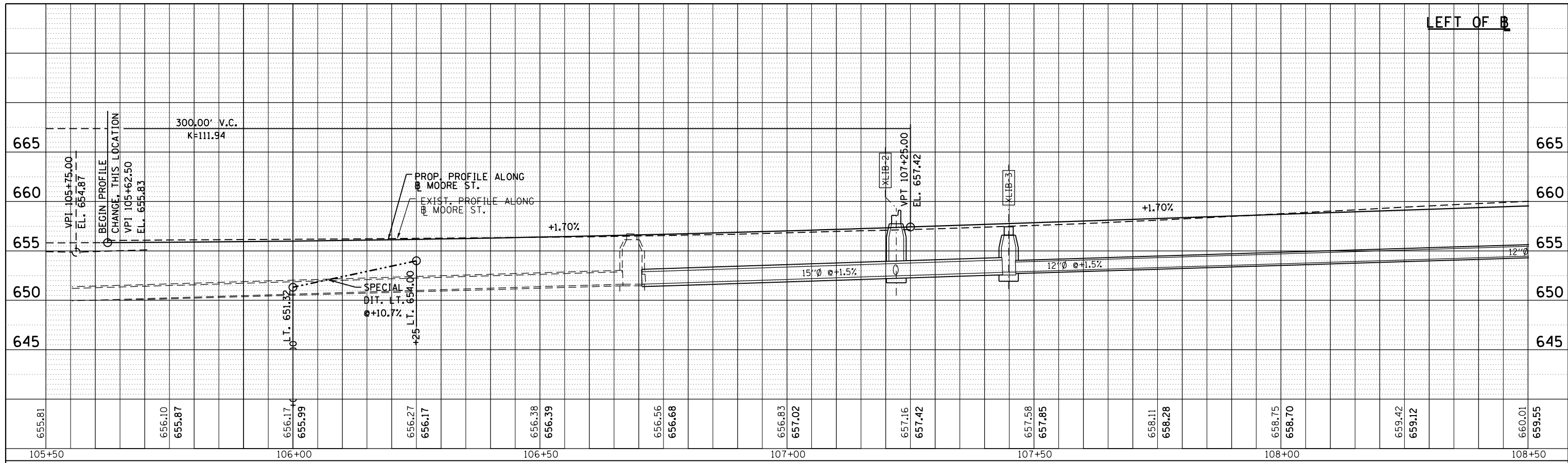
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND STORM SEWER:  
109 + 75 TO 111 + 59.20  
MOORE ST.**

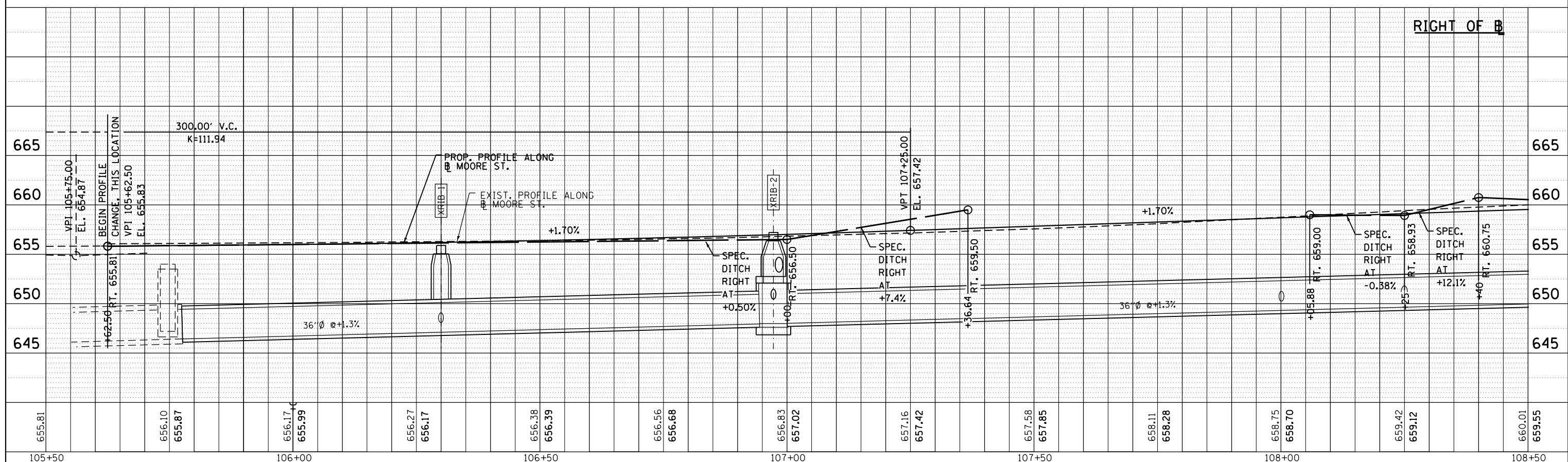
SCALE: SHEET OF SHEETS STA. 109+75 TO STA. 111+59.20

| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO.          |
|---------------------------|----------------|--------|--------------|--------------------|
|                           | 15-00032-04-PV | MONROE | 132          | 103                |
|                           |                |        |              | CONTRACT NO. 97717 |
| ILLINOIS FED. AID PROJECT |                |        |              |                    |

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



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



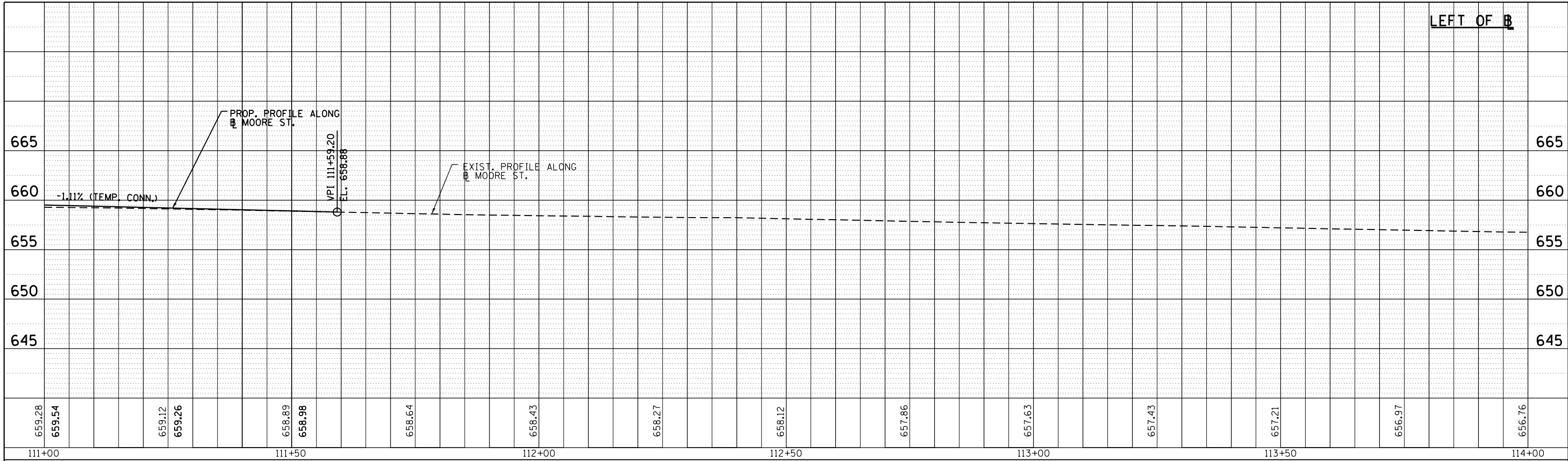
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| FILE NAME =   | USER NAME = k_jones | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE SYSTEM PROFILES:</b><br><b>105 + 50 TO 108 + 50</b><br><b>MOORE ST.</b> | F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384-Phase5&6-CADD\Sheets\7384-Phase5&6-104-SSP-DRAWN1.dgn |                     | REVISIONS  | REVISIONS |   |   | 9315                      | 15-00032-04-PV | MONROE | 132          | 104       |  |
| PLOT SCALE = 20.0000' / in.   | CHECKED -           | REVISIONS  | REVISIONS |   |   | CONTRACT NO. 97717        |                |        |              |           |  |
| PLOT DATE = 3/30/2021   | DATE -              | REVISIONS  | REVISIONS |   |   | ILLINOIS FED. AID PROJECT |                |        |              |           |  |

SCALE: SHEET OF SHEETS STA. 105+50 TO STA. 108+50

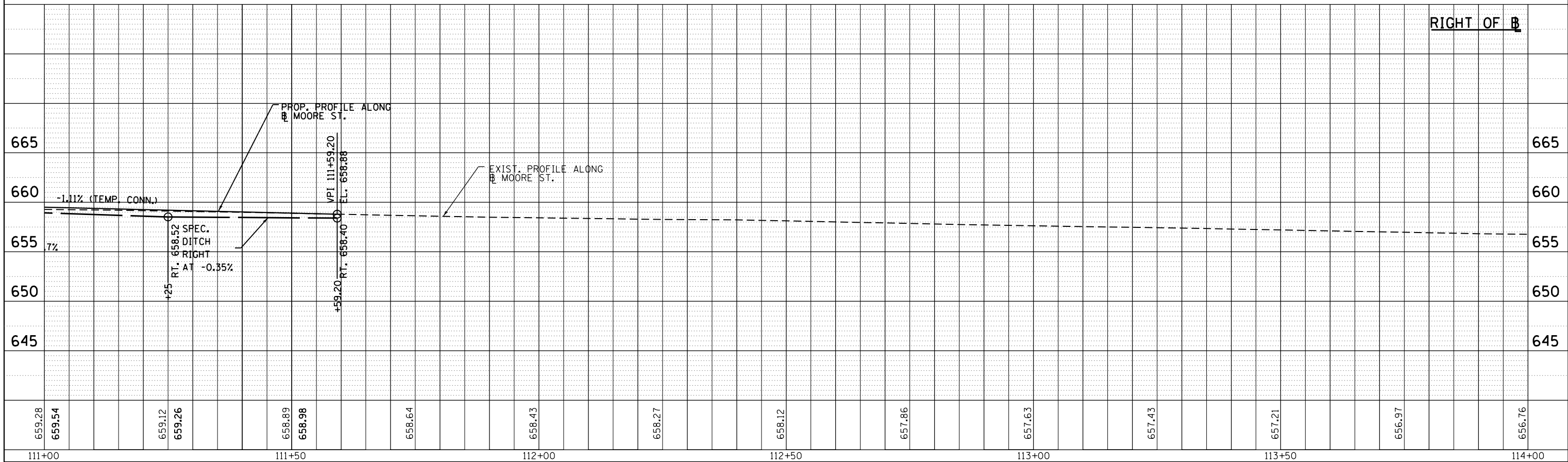




|      |           |    |      |
|------|-----------|----|------|
| PLAN | SURVEYED  | BY | DATE |
|      | PLOTTED   |    |      |
|      | ALIGNED   |    |      |
|      | CHECKED   |    |      |
|      | DESIGNED  |    |      |
|      | FILE NAME |    |      |
|      | NO.       |    |      |



|         |                             |    |      |
|---------|-----------------------------|----|------|
| PROFILE | SURVEYED                    | BY | DATE |
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|         | STRUCTURE NOTATIONS CHECKED |    |      |
|         | NO.                         |    |      |



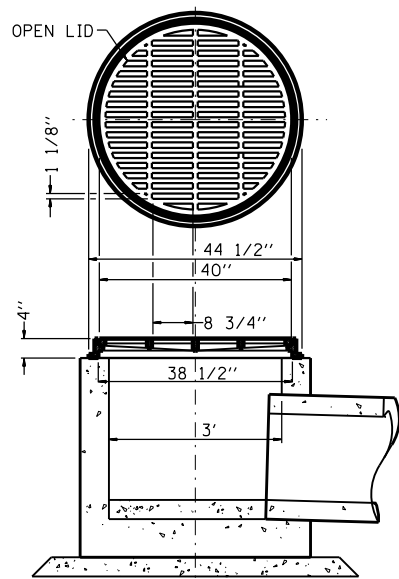
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| PLOT SCALE = 20.0000' / in.  | CHECKED -           | REVISOR -  | REVISED - |
| Default  | DATE -              | REVISOR -  | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

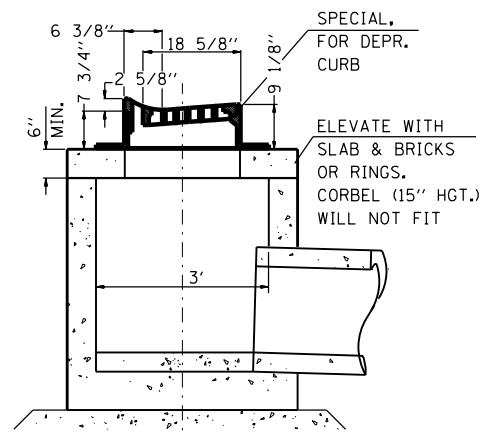
**DRAINAGE SYSTEM PROFILES:  
111+00 TO 111+75  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 111+00 TO STA. 111+59.20

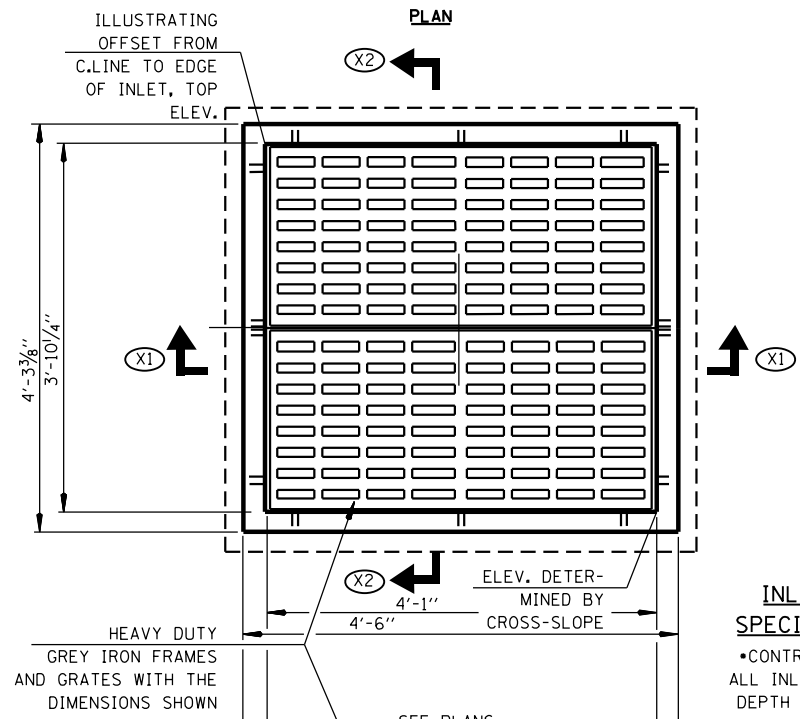
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|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132          | 106       |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



**INLETS, TYPE B WITH FRAME AND GRATE, SPECIAL**

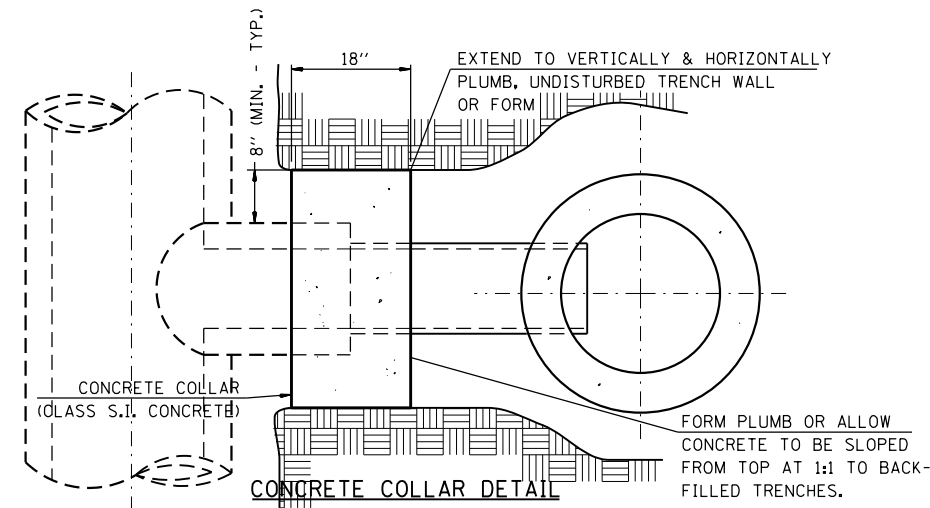


**MANHOLES, AND INLETS, TYPE A & B W/SPECIAL FRAME AND GRATE**

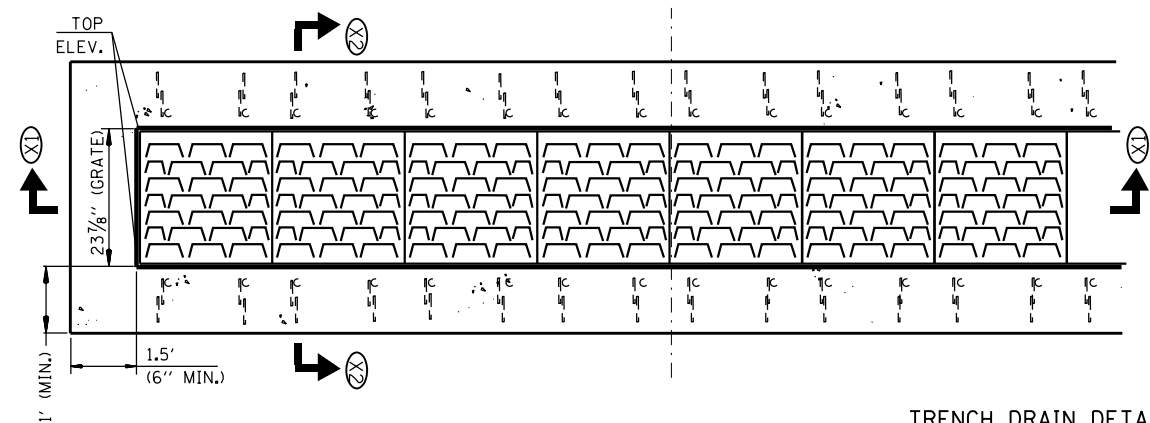


**INLETS, SPECIAL, WITH SPECIAL FRAME AND GRATE**

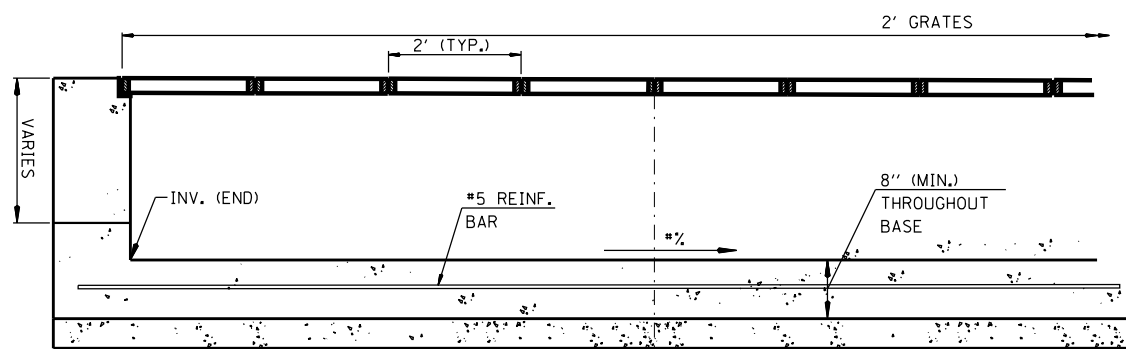
•CONTRACTOR HAS OPTION TO CAST ALL INLET STRUCTURES AT CONSTANT DEPTH TO FACILITATE FABRICATION.



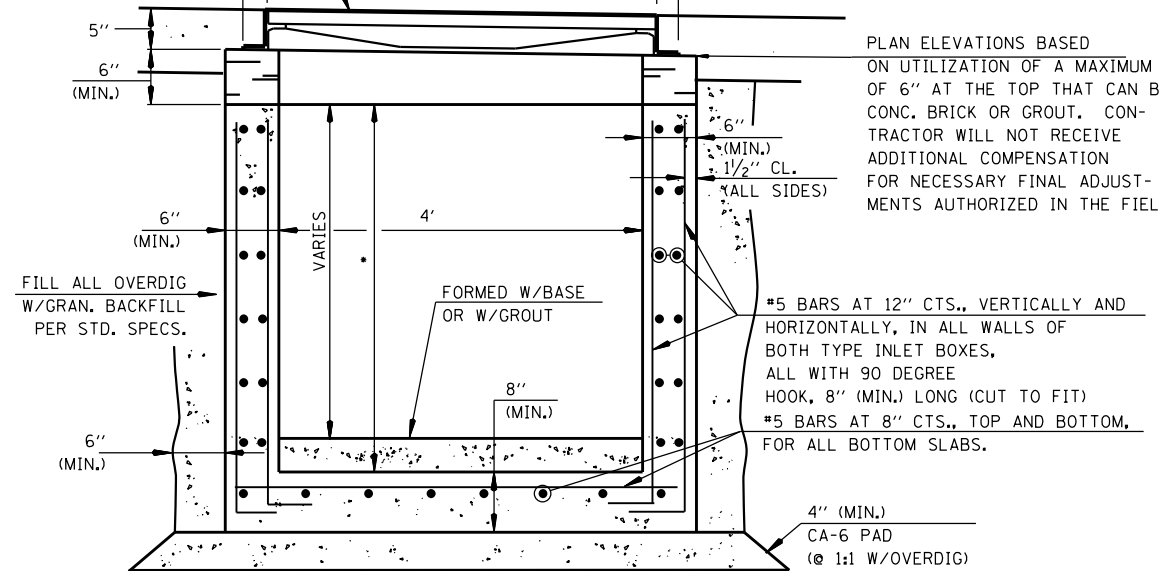
**CONCRETE COLLAR DETAIL**



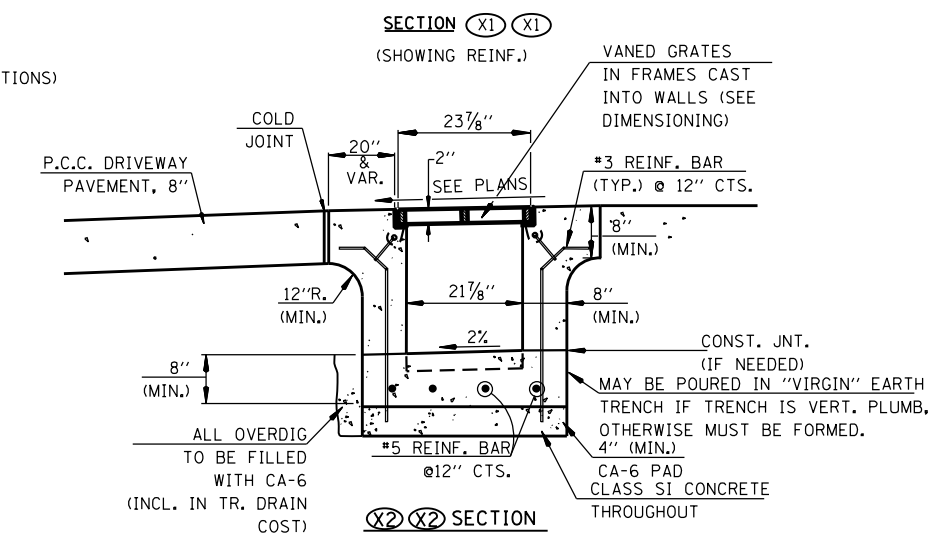
**TRENCH DRAIN DETAILS**  
(SEE ALSO MANUFACTURER'S RECOMMENDATIONS)



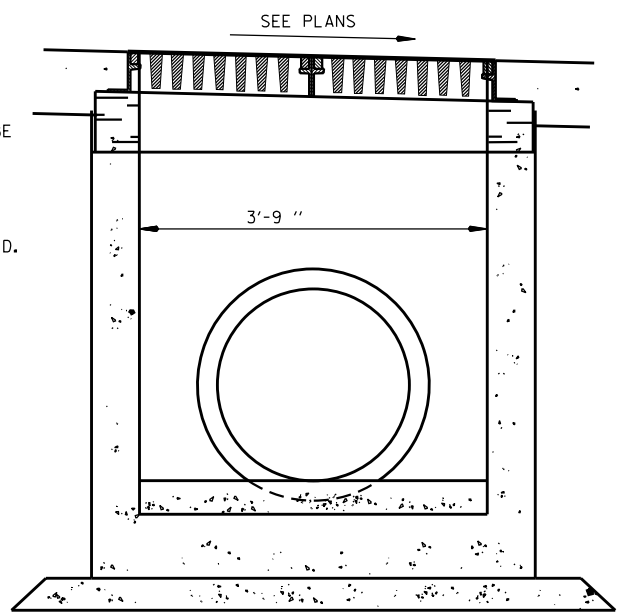
**SECTION (X1) (X1)**



PLAN ELEVATIONS BASED ON UTILIZATION OF A MAXIMUM OF 6" AT THE TOP THAT CAN BE CONC. BRICK OR GROUT. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR NECESSARY FINAL ADJUSTMENTS AUTHORIZED IN THE FIELD.



**SECTION (X2) (X2)**



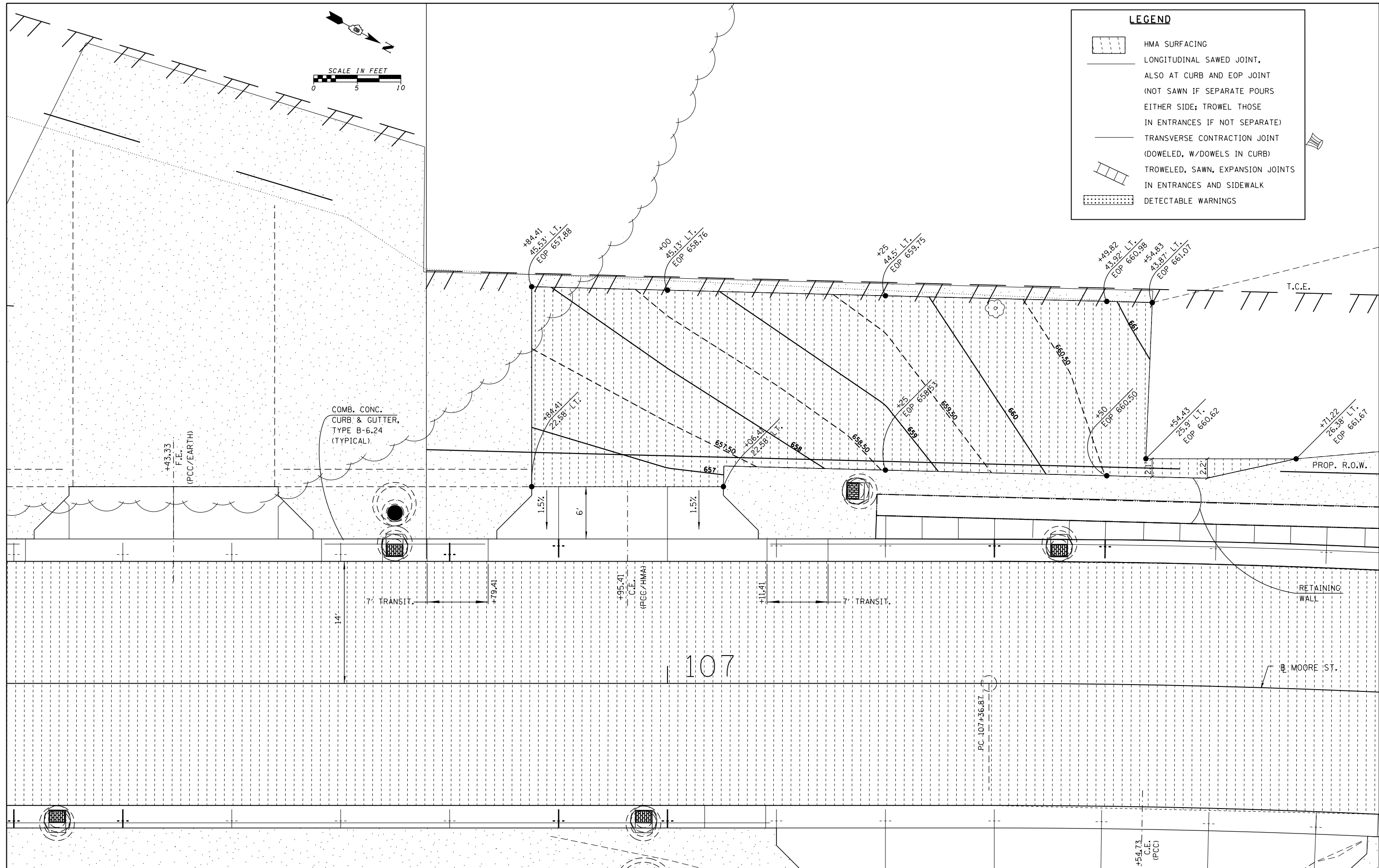
**SECTION (X2) (X2)**  
(REINF. OMITTED)

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| Default   | PLT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |
|   | PLT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                            |       |           |              |
|----------------------------|-------|-----------|--------------|
| <b>STORM SEWER DETAILS</b> |       |           |              |
| SCALE:                     | SHEET | OF SHEETS | STA. TO STA. |

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132          | 107       |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



| LEGEND |  |
|--------|--|
|        | HMA SURFACING  |
|        | LONGITUDINAL SAWED JOINT,<br>ALSO AT CURB AND EOP JOINT<br>(NOT SAWN IF SEPARATE POURS<br>EITHER SIDE; TROWEL THOSE<br>IN ENTRANCES IF NOT SEPARATE) |
|        | TRANSVERSE CONTRACTION JOINT<br>(DOWELED, W/DOWELS IN CURB)  |
|        | TROWELED, SAWN, EXPANSION JOINTS<br>IN ENTRANCES AND SIDEWALK  |
|        | DETECTABLE WARNINGS  |

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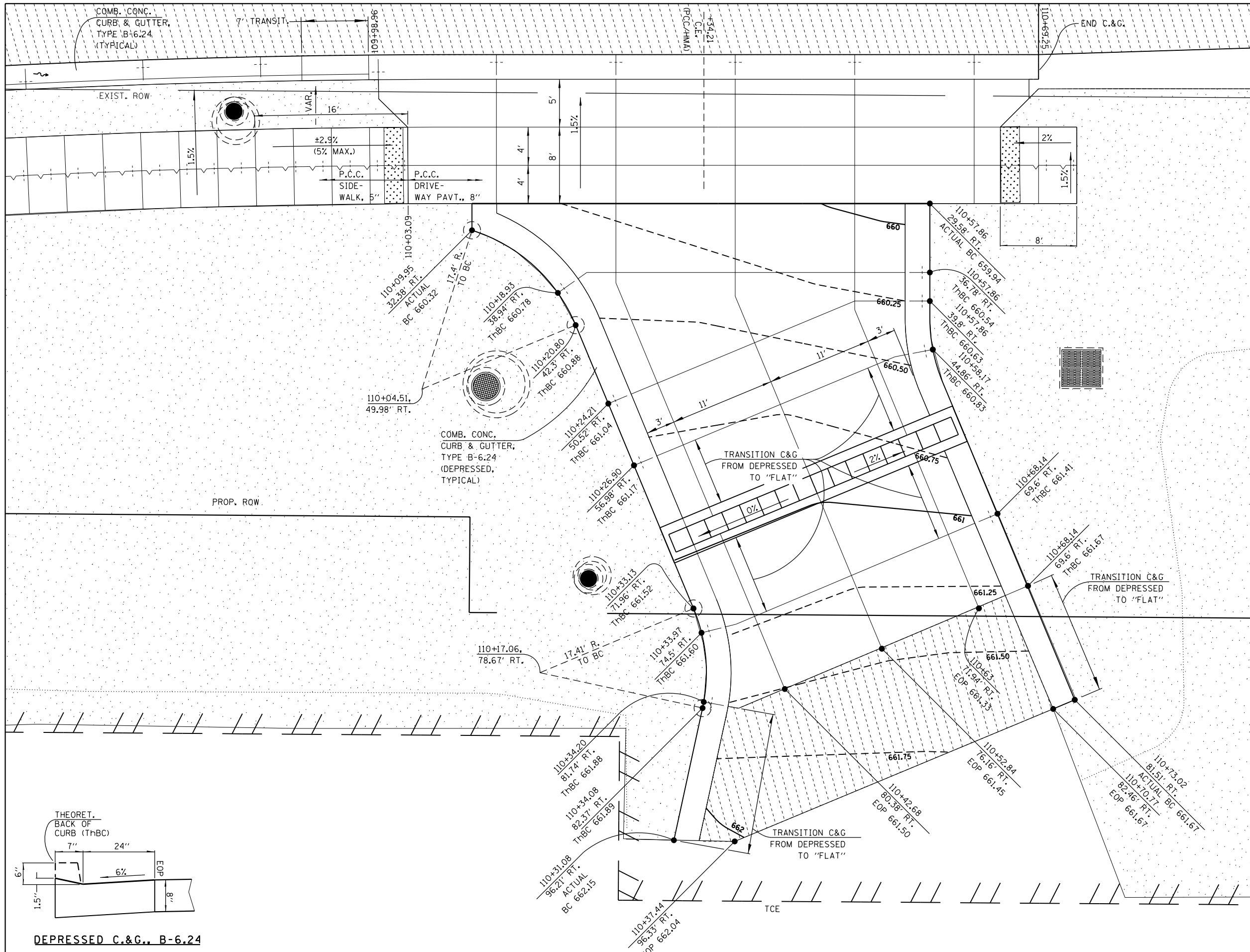
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
HELPING HAND THRIFT STORE  
SOUTH ENTRY/EXIT**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

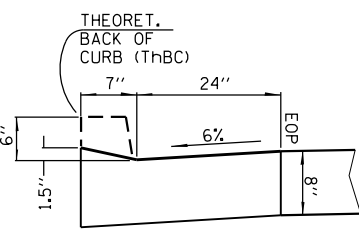
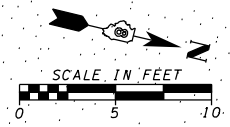
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|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132          | 108       |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |





**LEGEND**

- HMA SURFACING
- LONGITUDINAL SAWED JOINT, ALSO AT CURB AND EOP JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; TROWEL THOSE IN ENTRANCES IF NOT SEPARATE)
- TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURB)
- TROWELED, SAWN, EXPANSION JOINTS IN ENTRANCES AND SIDEWALK
- DETECTABLE WARNINGS



**DEPRESSED C.&G., B-6.24**

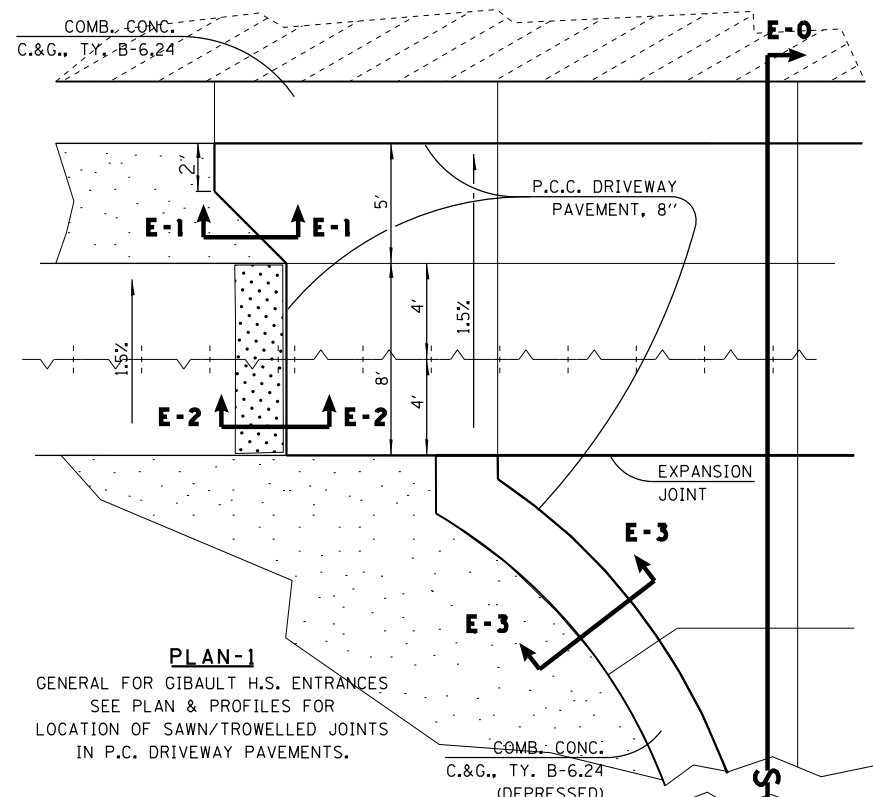
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| Default   | PLOT SCALE = 9.9999 ' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL:  
HELPING HAND THRIFT STORE  
NORTH ENTRY/EXIT**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132          | 110       |
|                           |                |        | CONTRACT NO. | 9717      |
| ILLINOIS FED. AID PROJECT |                |        |              |           |

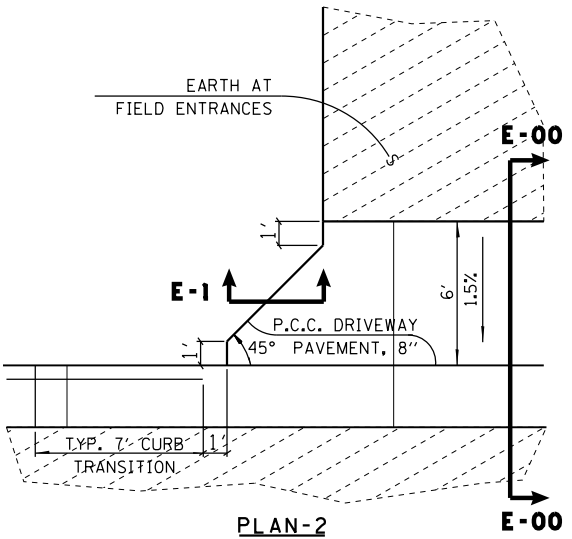


**SECTION LEGEND**

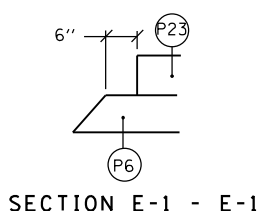
- CURB AND GUTTER REMOVAL OR PAVEMENT REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- AGGREGATE BASE COURSE, TYPE A (ENTRANCES) 8"
- AGGREGATE BASE COURSE, TYPE A (S. WALK) 4"
- NO. 6 EPOXY-COATED, REINF. BAR, 30" AT 36" CTS.
- COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- P.C.C. SIDEWALK 5 INCH
- BITUMINOUS MATERIALS (PRIME COAT)
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- P.C.C. DRIVEWAY PAVEMENT 8"
- \*\*** EXPANSION JOINT

**PLAN LEGEND**

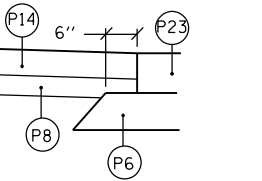
- HMA SURFACING
- LONGITUDINAL SAWS JOINT, ALSO AT CURB AND EOP JOINT (NOT SAWN IF SEPARATE POURS EITHER SIDE; TROWEL THOSE IN ENTRANCES IF NOT SEPARATE)
- TRANSVERSE CONTRACTION JOINT (DOWELED, W/DOWELS IN CURB)
- TROWELED, SAWN, EXPANSION JOINTS IN ENTRANCES AND SIDEWALK
- DETECTABLE WARNINGS



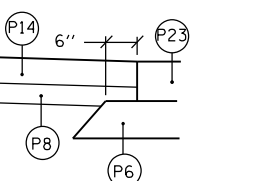
**PLAN-2**



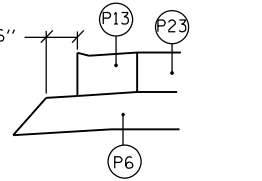
**SECTION E-1 - E-1**



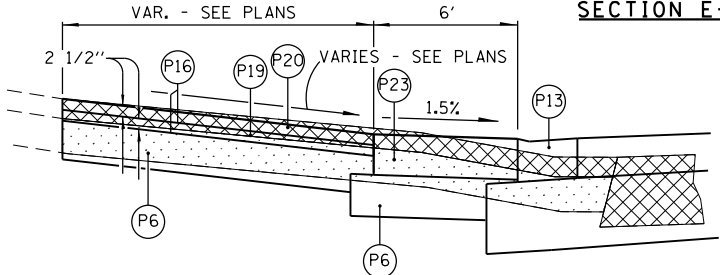
**SECTION E-2 - E-2**



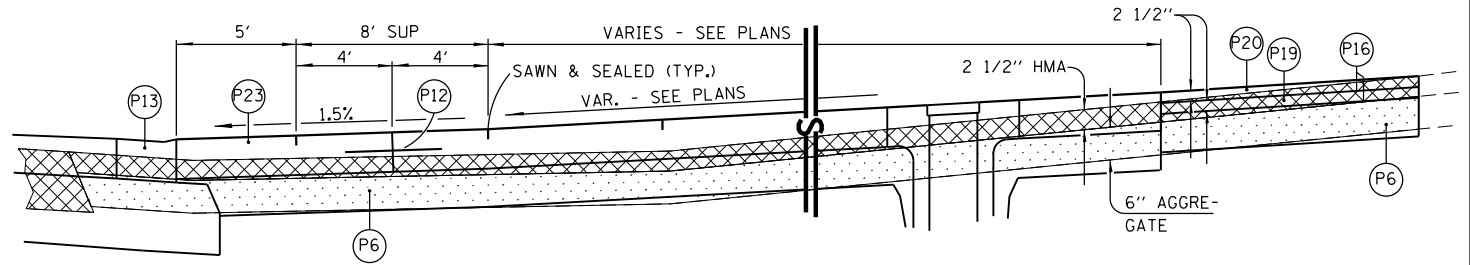
**SECTION E-3 - E-3**



**SECTION E-4 - E-4**

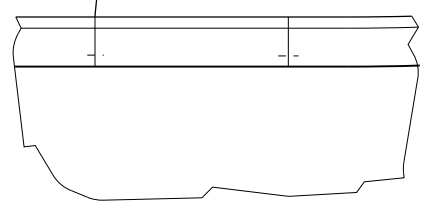


**SECTION E-00 - E-00**



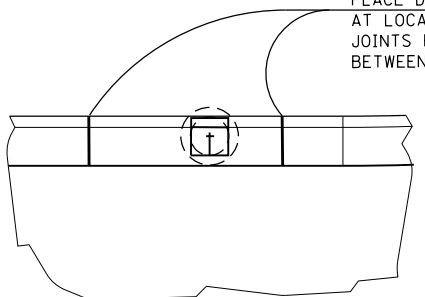
**SECTION E-0 - E-0**

DOWELLED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED IN CURBING, INCLUDING THE PLACEMENT OF A MIN. OF TWO (2) DOWELS, SAWING AND SEALING. DOWELS SHALL BE PLACED DUE TO THE POTENTIAL FOR TRAFFIC LOADING PASSING OVER THE CURBING AND FOR FUTURE ADDITION OF CONCRETE PAVEMENT



**TRANSVERSE JOINTS IN CURBING**

PLACE DOWELLED/EXP. JNTS. AT LOCATION OF TRANSVERSE JOINTS REGARDLESS OF DISTANCE BETWEEN TRANSV. JNTS. AND INLET



**EXPANSION JOINTS AT INLETS MODIFICATION**

HIGHWAY STANDARD 606001 SHALL BE MODIFIED SUCH THAT THE DOWELLED/EXPANSION JOINTS CALLED FOR EITHER SIDE OF INLETS SHALL BE POSITIONED AT THE NEAREST TRANSVERSE CONTRACTION JOINTS. "DEAD END" OR "T" JOINTS SHOWN IN THE HIGHWAY STANDARD ARE PROHIBITED.

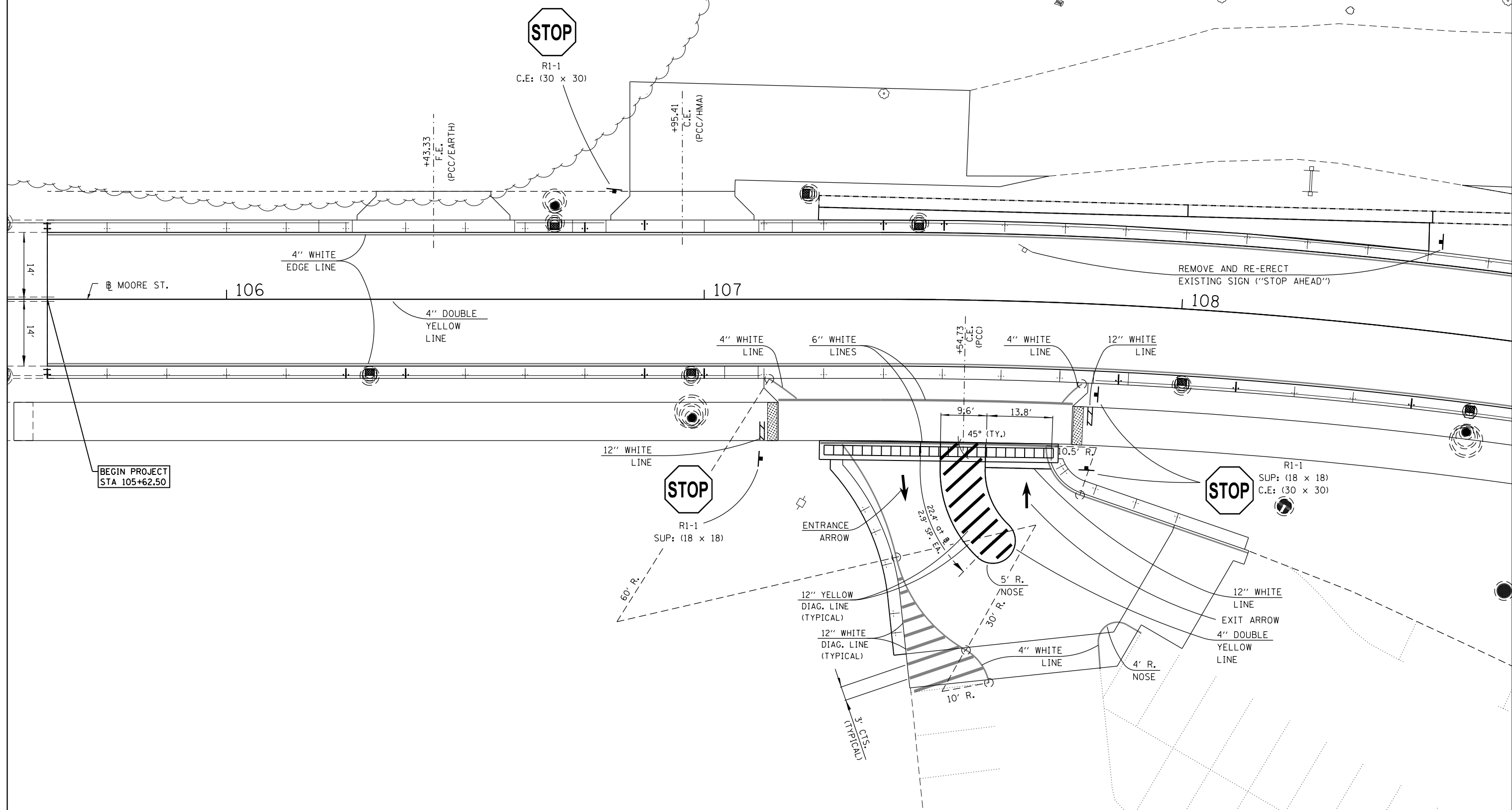
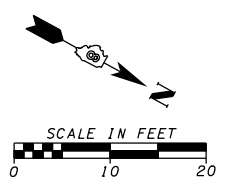
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|---|-----------------------------|------------|-----------|
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| H:\7384-Waterloo-Moore-St.-FAU-Phase-V\7384_Phase5&6_CADD\Sheets\7384_Phase5&6.111-Entr-Drawn.dgn |                             | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 40.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                                |       |           |              |
|--------------------------------|-------|-----------|--------------|
| <b>ENTRANCE PAVING DETAILS</b> |       |           |              |
| SCALE:                         | SHEET | OF SHEETS | STA. TO STA. |

|                           |                |        |                    |           |
|---------------------------|----------------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132                | 111       |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |





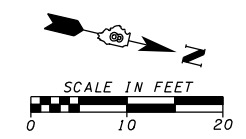
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| Default  | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISOR - |
|  | PLOT DATE = 3/30/2021       | DATE -     | REVISOR - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNS & PAVEMENT MARKINGS:  
105 + 62.50 TO 108 + 50  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 105+62.50 TO STA. 108+50

|                           |                |        |              |           |
|---------------------------|----------------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           | 15-00032-04-PV | MONROE | 132          | 112       |
| CONTRACT NO.              |                |        | 97717        |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



BEGIN PROJECT  
STA 111+59.20



R1-1  
C.E: (30 x 30)

EXISTING MAILBOX  
TO REMAIN  
EXISTING GAS MAIN  
SIGN TO REMAIN

REMOVE AND RE-ERECT  
EXISTING SIGNS ("SPEED LIMIT 25")

109

4" DOUBLE  
YELLOW LINE

4" WHITE  
EDGE LINES

110+00

6" WHITE  
EDGE LINES

EXIST. GAS MAIN  
SIGN TO REMAIN

12" WHITE  
STOP BAR

111

12" WHITE  
STOP BAR



R1-1  
SUP: (18 x 18)

4" WHITE  
EDGE LINES

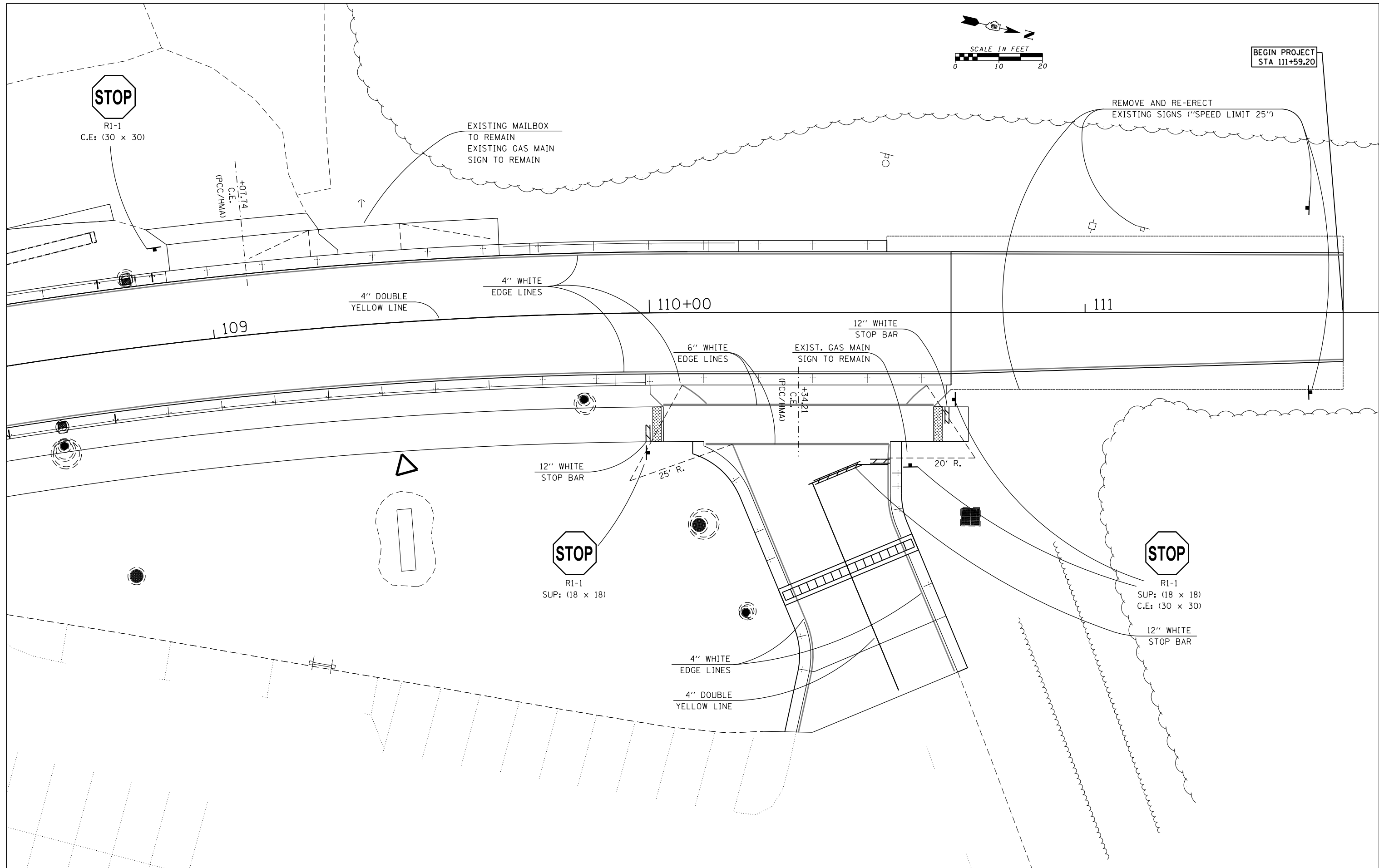
4" DOUBLE  
YELLOW LINE

20' R.



R1-1  
SUP: (18 x 18)  
C.E: (30 x 30)

12" WHITE  
STOP BAR



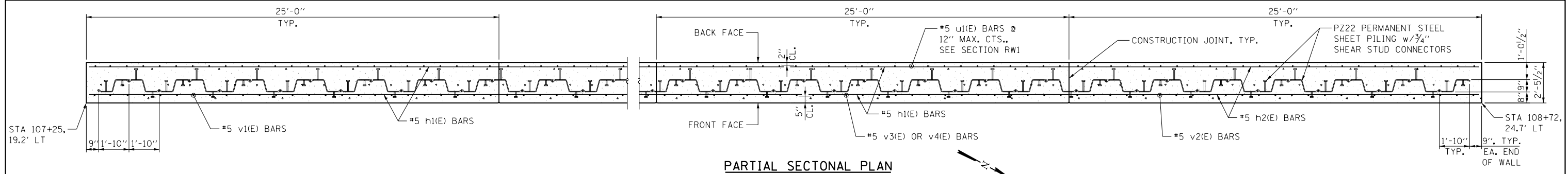
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| Default  | PLOT SCALE = 20.0000' / in. | DATE -     | REVISED - |
|  | PLOT DATE = 3/30/2021       |            |           |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

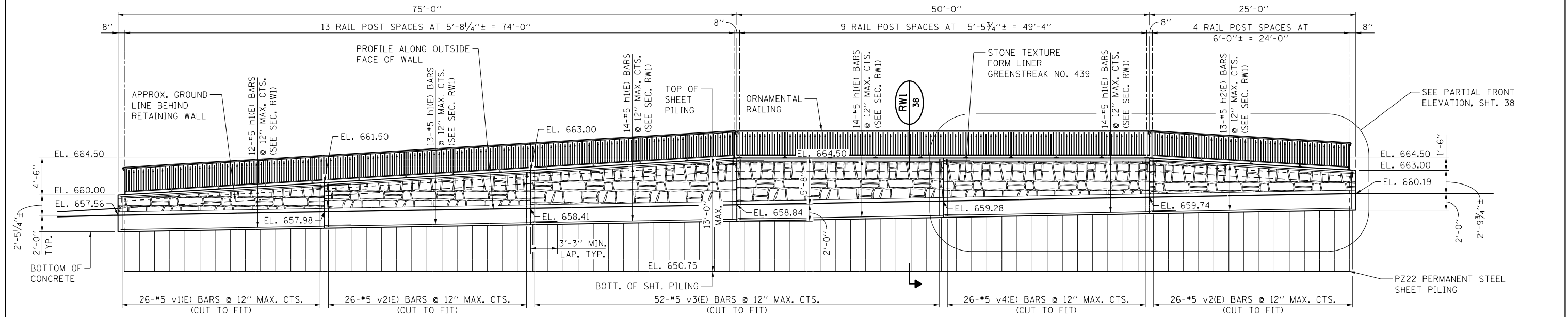
**SIGNS & PAVEMENT MARKINGS:  
108+50 TO 111+59.20  
MOORE ST.**

SCALE: SHEET OF SHEETS STA. 108+50 TO STA. 111+59.20

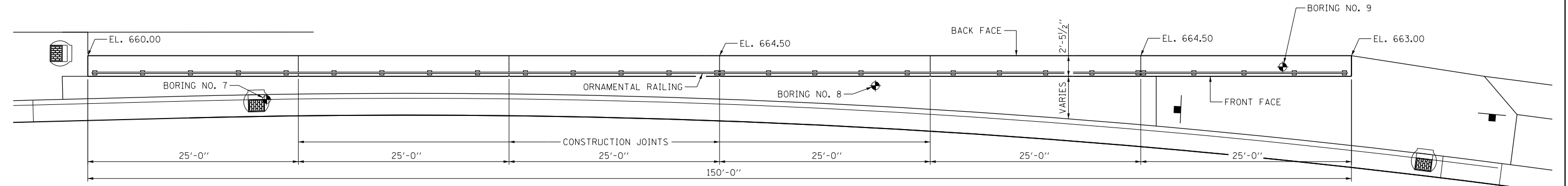
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|----------------|--------|--------------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132                | 113       |
|                           |                |        | CONTRACT NO. 97717 |           |
| ILLINOIS FED. AID PROJECT |                |        |                    |           |



PARTIAL SECTIONAL PLAN



RETAINING WALL FRONT ELEVATION



RETAINING WALL TOP PLAN

GENERAL NOTES:

- ALL CONSTRUCTION JOINTS SHALL BE BONDED.
- SPLICING OF PILES WILL NOT BE PERMITTED. SEE SPECIAL PROVISIONS.
- PROTECTIVE COAT AND ANTI-GRAFFITI PROTECTION SYSTEM SHALL BE APPLIED TO EXPOSED FRONT FACE, TOP AND ENDS OF CONCRETE RETAINING WALL.
- ALL NEW STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH AN INORGANIC ZINC RICH PRIMER.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGN STRESSES

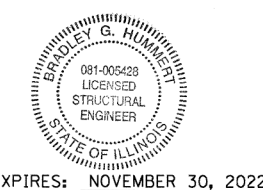
FIELD UNITS

f'c = 4,000 psi  
 fy = 60,000 psi (REINFORCEMENT)  
 fy = 50,000 psi (ASTM A572, GRADE 50 SHEET PILING)

TOTAL BILL OF MATERIAL

| ITEM                             | UNIT  | TOTAL |
|----------------------------------|-------|-------|
| STRUCTURE EXCAVATION             | CU YD | 140   |
| CONCRETE STRUCTURES              | CU YD | 73    |
| FORM LINER TEXTURED SURFACE      | SQ FT | 560   |
| PROTECTIVE COAT                  | SQ YD | 131   |
| STUD SHEAR CONNECTORS            | EACH  | 374   |
| REINFORCEMENT BARS, EPOXY COATED | POUND | 4,435 |
| PERMANENT SHEET PILING           | SQ FT | 1,748 |
| ANTI-GRAFFITI COATING            | SQ FT | 1,179 |
| ORNAMENTAL RAILING               | FOOT  | 149   |

*Bradley G. Hummert*  
 BRADLEY G. HUMMERT  
 LICENSED STRUCTURAL ENGINEER  
 IN ILLINOIS NO. 081-005428  
 DATE: 4/20/21

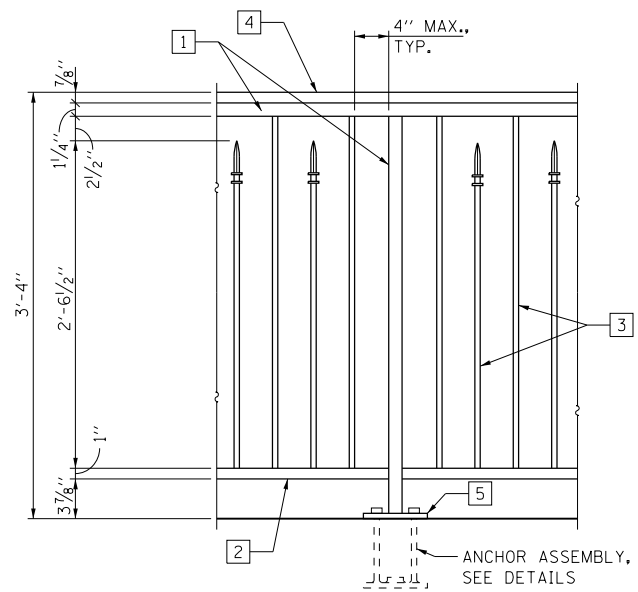


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| Default   | PLOT SCALE = 12.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 4/28/2021       | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS  
 SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

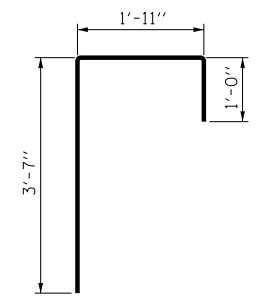
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|--------|--------------|-----------|
|                           | 15-00032-04-PV | MONROE | 132          | 114       |
|                           |                |        | CONTRACT NO. | 97717     |
| ILLINOIS FED. AID PROJECT |                |        |              |           |



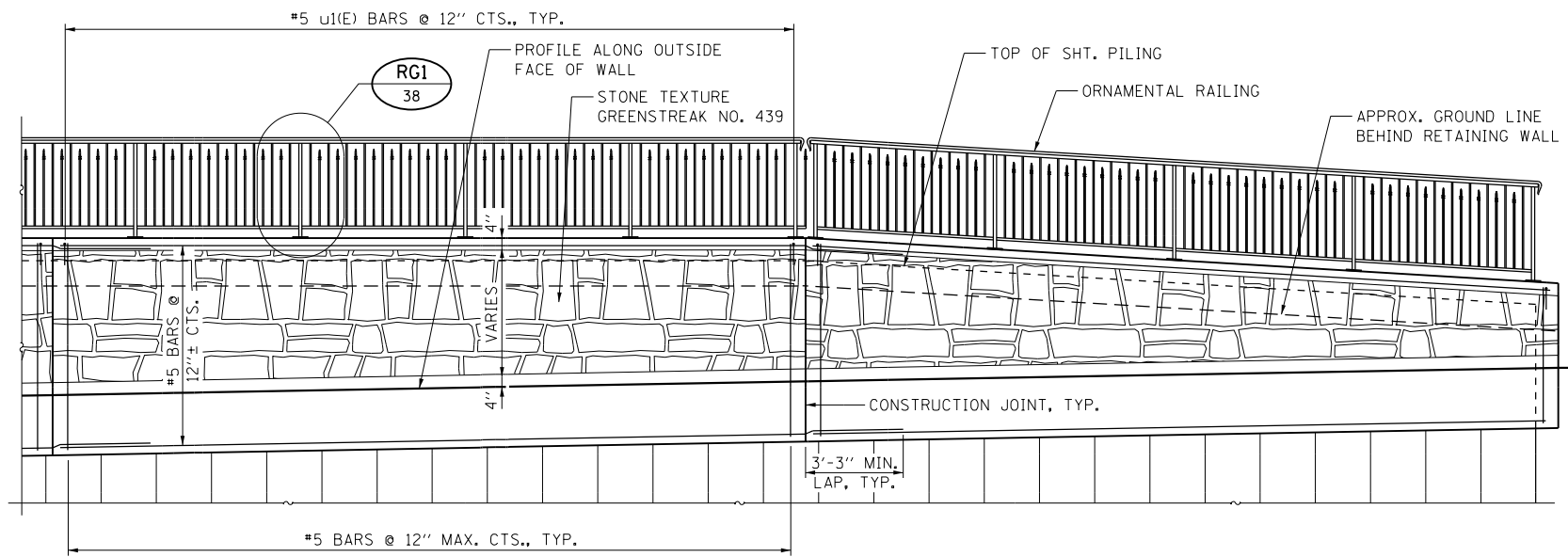
- 1 1/4"x1/4" HOLLOW SQUARE STOCK
- 2 1"x1" HOLLOW SQUARE STOCK
- 3 1/2"x1/2" SOLID SQUARE STOCK
- 4 FORMED HANDRAIL
- 5 6"x6"x1/2" MOUNTING PLATE

**RETAINING WALL BAR LIST**

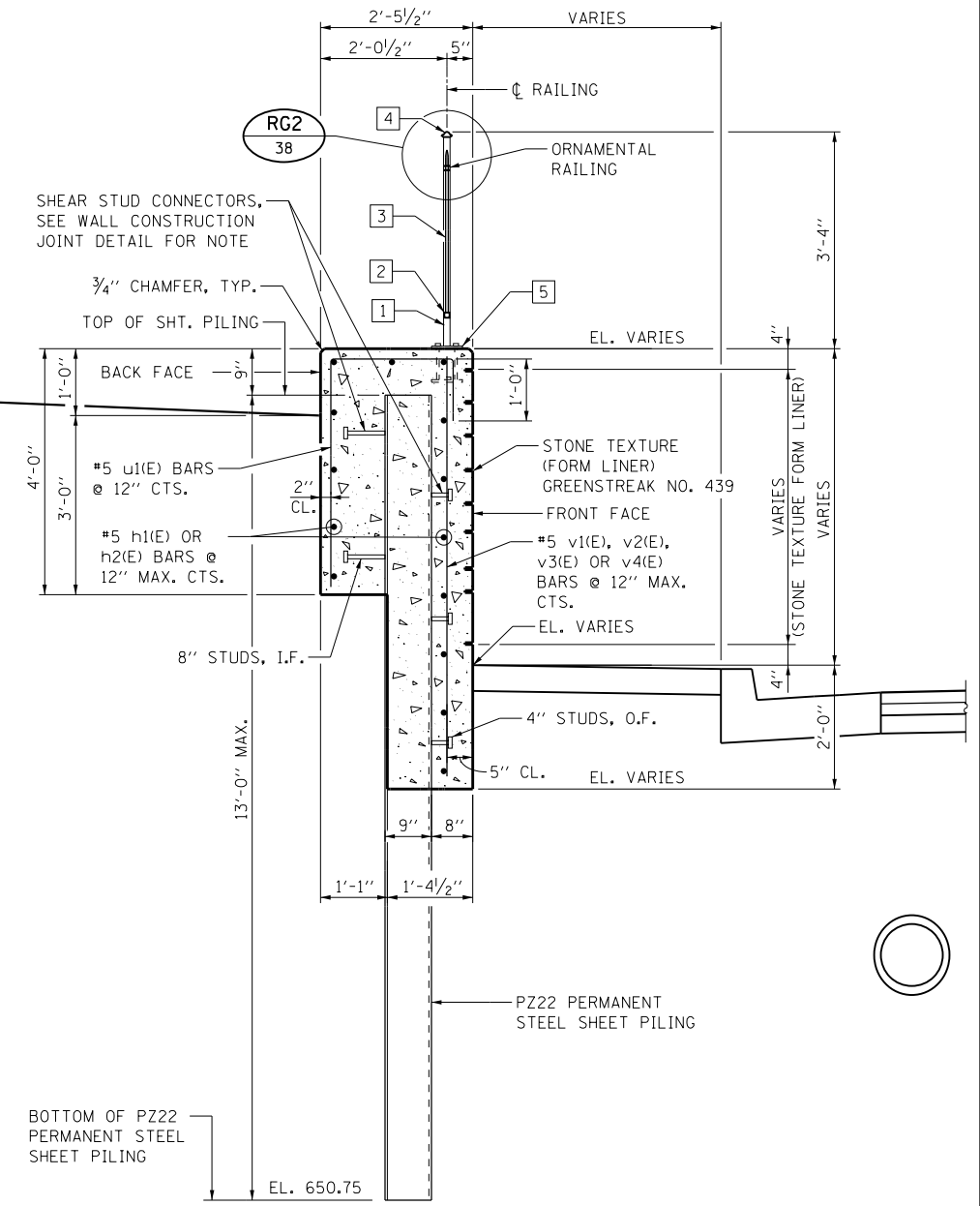
| BAR   | NO. | SIZE | LENGTH | SHAPE |
|-------|-----|------|--------|-------|
| h1(E) | 67  | #5   | 28'-7" | —     |
| h2(E) | 13  | #5   | 24'-8" | —     |
| u1(E) | 156 | #5   | 6'-6"  | ┌     |
| v1(E) | 26  | #5   | 5'-1"  | —     |
| v2(E) | 52  | #5   | 6'-2"  | —     |
| v3(E) | 52  | #5   | 7'-2"  | —     |
| v4(E) | 26  | #5   | 6'-9"  | —     |



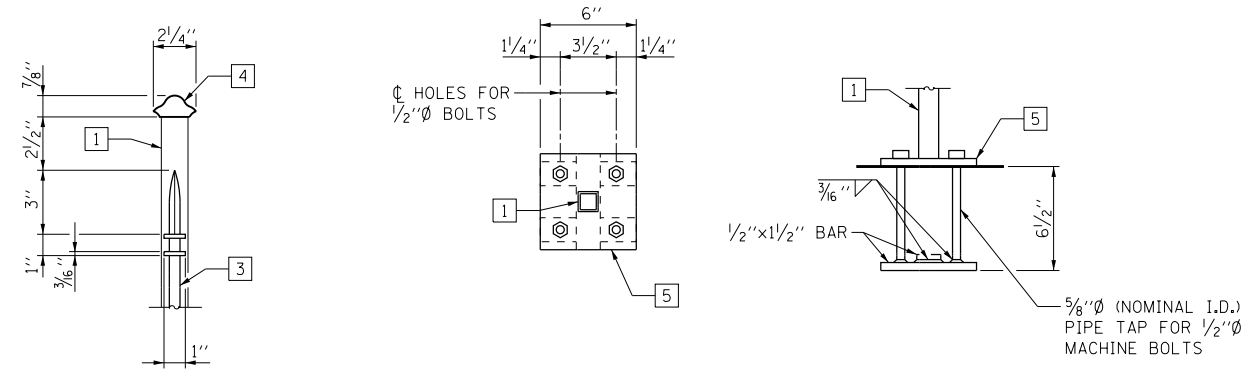
**u1(E) BAR**



**PARTIAL FRONT ELEVATION**

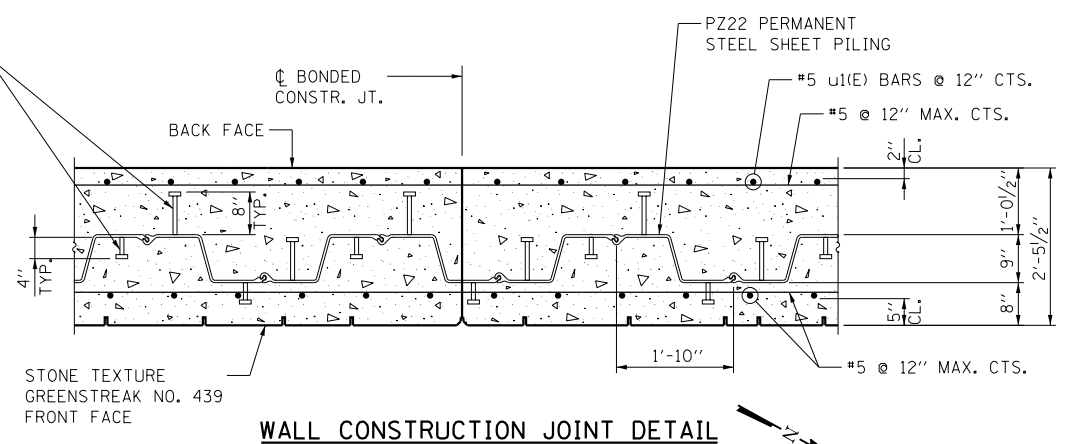


**SECTION RW1 37**



**ANCHOR ASSEMBLY DETAILS**

3/4"Ø x 4" OR 8" (DEPENDING ON WALL FACE) GRANULAR STUDS AUTOMATICALLY END WELDED TO SHEET PILING AT 12"± CTS. HORIZONTALLY (2 ROWS OF STUDS PER SHEET) AND 24"± CTS. VERTICALLY.



**WALL CONSTRUCTION JOINT DETAIL**

Soil Boring Log

Project: H-17224 Street: Moore Street Date: 10/11/2017  
 Route: \_\_\_\_\_ Section: \_\_\_\_\_ Bored By: J. Carter  
 City: Waterloo \_\_\_\_\_  
 County: Monroe \_\_\_\_\_ Checked By: T. Holcomb

| Boring No. 7                        | Station: 107+46 | Offset: 16' LT | Elevation | N | Qu | tsf | w  | % | Ground Water Elev. During Drilling | Ground Water Elev. Upon Completion | Elevation | N | Qu | tsf | w | % |               |
|-------------------------------------|-----------------|----------------|-----------|---|----|-----|----|---|------------------------------------|------------------------------------|-----------|---|----|-----|---|---|---------------|
|                                     |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   | After 24 Hrs. |
| Ground Surface                      |                 |                | 659.54    | 0 |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 5" Topsoil                          |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Mottled Gray Silty CLAY (A-6) |                 |                |           |   | 9  | 5.8 | 17 |   |                                    |                                    | -25       |   |    |     |   |   |               |
|                                     |                 |                |           |   | 8  | 2.5 | 20 |   |                                    |                                    |           |   |    |     |   |   |               |
| 653.54                              |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Silty CLAY (A-6)              |                 |                |           |   | st | 1.0 | 22 |   |                                    |                                    | -30       |   |    |     |   |   |               |
|                                     |                 |                |           |   | 6  | 3.5 | 22 |   |                                    |                                    |           |   |    |     |   |   |               |
|                                     |                 |                |           |   | 7  | 3.1 | 23 |   |                                    |                                    |           |   |    |     |   |   |               |
| 646.04                              |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Mottled Gray Silty CLAY (A-6) |                 |                |           |   | 13 | 3.1 | 24 |   |                                    |                                    |           |   |    |     |   |   |               |
| 643.04                              |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Gray LIMESTONE                      |                 |                |           |   | 20 | --  | 22 |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Mottled Gray Silty CLAY (A-6) |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 641.04                              |                 |                |           |   | 60 |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Gray LIMESTONE                      |                 |                |           |   | 71 | --  | 6  |   |                                    |                                    |           |   |    |     |   |   |               |
| 640.54                              |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| End of Boring @ -19.0'              |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"  
 Qu-Unconfined Compressive Strength in tons/sq.ft.  
 w-Water Content-percentage of oven dry weight-%  
 B = Bulge Failure  
 S = Shear Failure  
 E = Estimated Value  
 P = Penetrometer

Soil Boring Log

Project: H-17224 Street: Moore Street Date: 10/11/2017  
 Route: \_\_\_\_\_ Section: \_\_\_\_\_ Bored By: J. Carter  
 City: Waterloo \_\_\_\_\_  
 County: Monroe \_\_\_\_\_ Checked By: T. Holcomb

| Boring No. 8                                       | Station: 108+17 | Offset: 19' LT | Elevation | N | Qu | tsf | w  | % | Ground Water Elev. During Drilling | Ground Water Elev. Upon Completion | Elevation | N | Qu | tsf | w | % |               |
|--|-----------------|----------------|-----------|---|----|-----|----|---|------------------------------------|------------------------------------|-----------|---|----|-----|---|---|---------------|
|  |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   | After 24 Hrs. |
| Ground Surface                                     |                 |                | 662.07    | 0 |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 5" Topsoil   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Mottled Gray Silty CLAY (A-6)                |                 |                |           |   | 10 | 2.9 | 16 |   |                                    |                                    | -25       |   |    |     |   |   |               |
| 658.57   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Silty CLAY (A-6)                             |                 |                |           |   | 6  | 2.6 | 19 |   |                                    |                                    |           |   |    |     |   |   |               |
|  |                 |                |           |   | 5  | 2.1 | 22 |   |                                    |                                    |           |   |    |     |   |   |               |
|  |                 |                |           |   | 6  | 1.9 | 20 |   |                                    |                                    |           |   |    |     |   |   |               |
|  |                 |                |           |   | st | 3.3 | 20 |   |                                    |                                    |           |   |    |     |   |   |               |
|  |                 |                |           |   | 6  | 2.2 | 20 |   |                                    |                                    |           |   |    |     |   |   |               |
| 646.07   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Mottled Gray Silty CLAY (A-6) with limestone |                 |                |           |   | 70 | --  | 5  |   |                                    |                                    |           |   |    |     |   |   |               |
| 643.57   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown-Gray SHALE                                   |                 |                |           |   | 60 |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 643.07   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Gray LIMESTONE                                     |                 |                |           |   | 71 | --  | 11 |   |                                    |                                    |           |   |    |     |   |   |               |
| 642.57   |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| End of Boring @ -19.5'                             |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"  
 Qu-Unconfined Compressive Strength in tons/sq.ft.  
 w-Water Content-percentage of oven dry weight-%  
 B = Bulge Failure  
 S = Shear Failure  
 E = Estimated Value  
 P = Penetrometer

Soil Boring Log

Project: H-17224 Street: Moore Street Date: 10/11/2017  
 Route: \_\_\_\_\_ Section: \_\_\_\_\_ Bored By: J. Carter  
 City: Waterloo \_\_\_\_\_  
 County: Monroe \_\_\_\_\_ Checked By: T. Holcomb

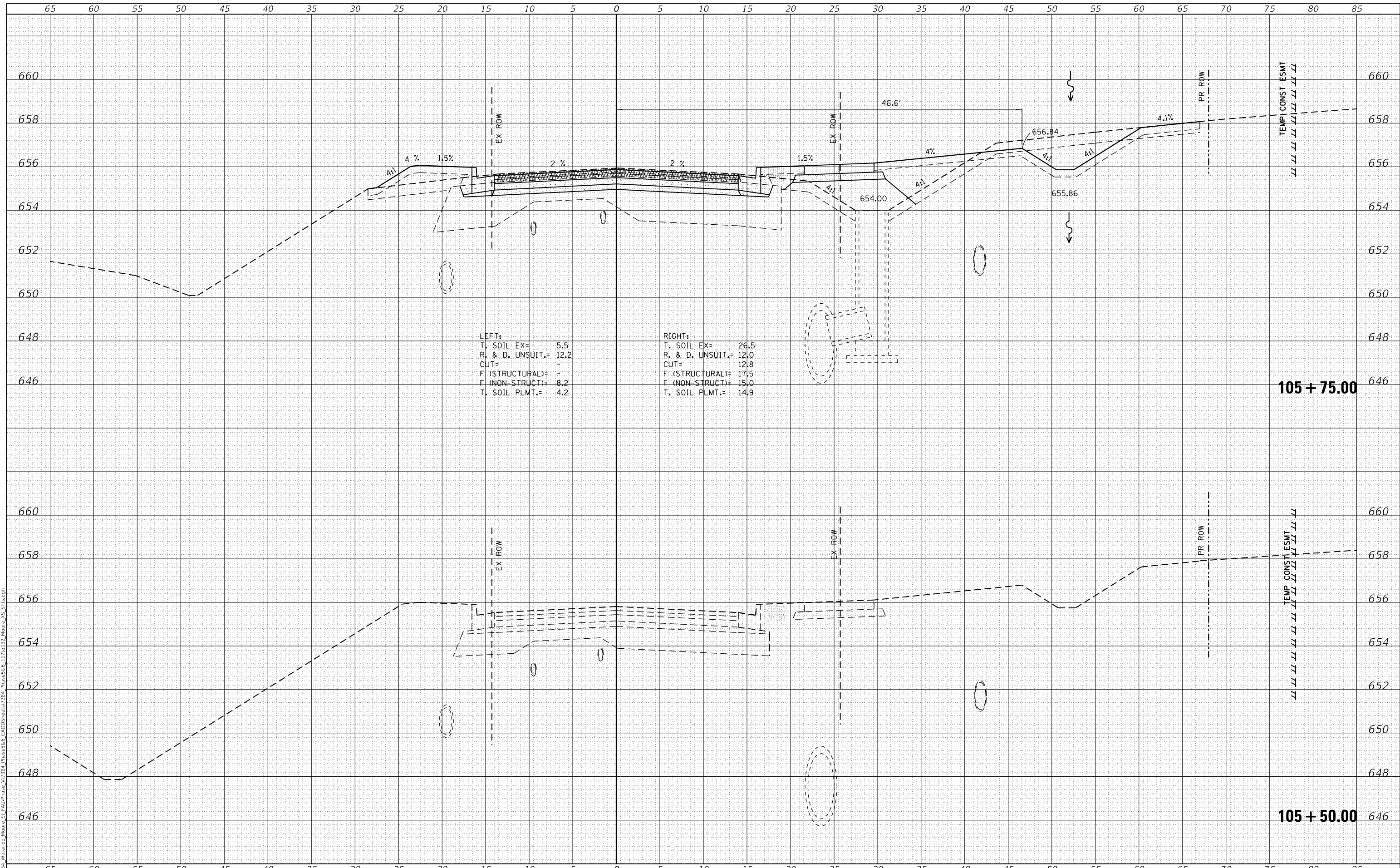
| Boring No. 9           | Station: 108+64 | Offset: 25' LT | Elevation | N | Qu | tsf | w  | % | Ground Water Elev. During Drilling | Ground Water Elev. Upon Completion | Elevation | N | Qu | tsf | w | % |               |
|------------------------|-----------------|----------------|-----------|---|----|-----|----|---|------------------------------------|------------------------------------|-----------|---|----|-----|---|---|---------------|
|                        |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   | After 24 Hrs. |
| Ground Surface         |                 |                | 660.71    | 0 |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 9" Topsoil             |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Brown Silty CLAY (A-6) |                 |                |           |   | 10 | 3.5 | 12 |   |                                    |                                    | -25       |   |    |     |   |   |               |
|                        |                 |                |           |   | 7  | 2.9 | 16 |   |                                    |                                    |           |   |    |     |   |   |               |
|                        |                 |                |           |   | 8  | 2.8 | 17 |   |                                    |                                    |           |   |    |     |   |   |               |
|                        |                 |                |           |   | st | 2.4 | 24 |   |                                    |                                    |           |   |    |     |   |   |               |
|                        |                 |                |           |   | 9  | 3.0 | 22 |   |                                    |                                    |           |   |    |     |   |   |               |
|                        |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| 646.71                 |                 |                |           |   | 60 |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| Gray LIMESTONE         |                 |                |           |   | 72 | --  | 25 |   |                                    |                                    |           |   |    |     |   |   |               |
| 646.21                 |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |
| End of Boring @ -14.5' |                 |                |           |   |    |     |    |   |                                    |                                    |           |   |    |     |   |   |               |

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"  
 Qu-Unconfined Compressive Strength in tons/sq.ft.  
 w-Water Content-percentage of oven dry weight-%  
 B = Bulge Failure  
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 E = Estimated Value  
 P = Penetrometer

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

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

MODEL: Default  
FILE NAME: H:\384\_Washboro\_Moore\_S-FALU-Phase\_V17384\_Phase556\_CADD\Sheet57384\_Phase556\_117to132\_Moore\_XS\_Shts.dgn



LEFT:  
T. SOIL EX= 5.5  
R. & D. UNSUIT.= 12.2  
CUT= -  
F (STRUCTURAL)= -  
F (NON-STRUCT)= 8.2  
T. SOIL PLMT.= 4.2

RIGHT:  
T. SOIL EX= 26.5  
R. & D. UNSUIT.= 12.0  
CUT= 12.8  
F (STRUCTURAL)= 17.5  
F (NON-STRUCT)= 15.0  
T. SOIL PLMT.= 14.9

105 + 75.00

105 + 50.00

|                              |
|------------------------------|
| USER NAME = kjones           |
| DESIGNED -                   |
| DRAWN -                      |
| PLOT SCALE = 10.0000 ' / in. |
| PLOT DATE = 3/30/2021        |

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

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

SCALE: SHEET OF SHEETS STA. 105+50.00 TO STA. 105+75.00

|           |                |                  |                    |           |
|-----------|----------------|------------------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE           | 132                | 117       |
|           |                |                  | CONTRACT NO. 97717 |           |
| ILLINOIS  |                | FED. AID PROJECT |                    |           |

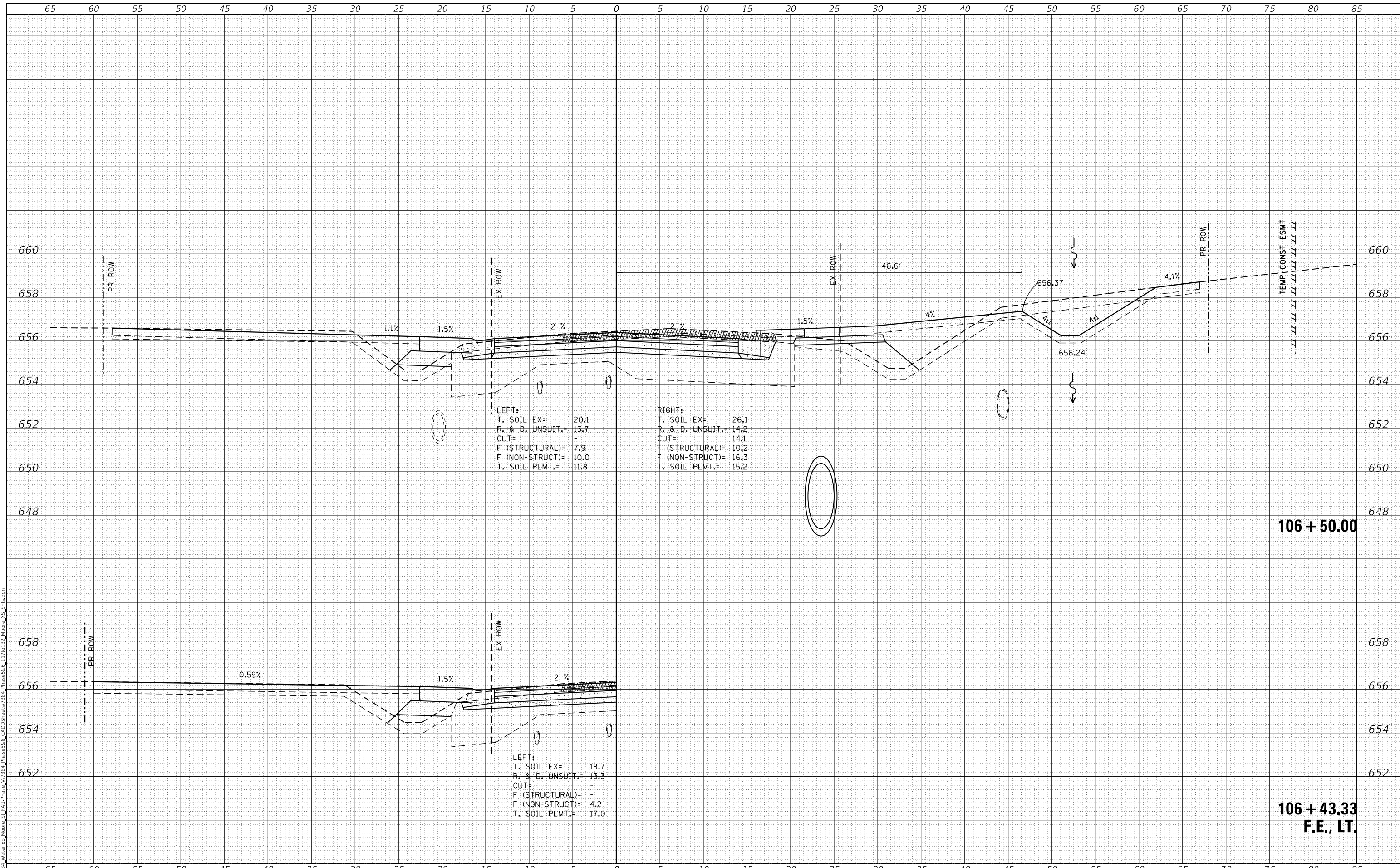




|              |               |      |
|--------------|---------------|------|
| FINAL SURVEY | SURVEYED      | DATE |
| NOTE BOOK    | PLOTTED       | BY   |
| NO.          | TEMPLATE      |      |
|              | AREAS CHECKED |      |

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

MODEL: Default  
 FILE NAME: H:\384 - Waukegan - Moore S - F&P-Phase 1\7384-Phase556\_CADD\Sheet5384-Phase556\_117to132-Moore XS\_Shts.dgn



|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|        |  |       |    |        |                |                   |
|--------|--|-------|----|--------|----------------|-------------------|
| SCALE: |  | SHEET | OF | SHEETS | STA. 106+43.33 | TO STA. 106+50.00 |
|--------|--|-------|----|--------|----------------|-------------------|

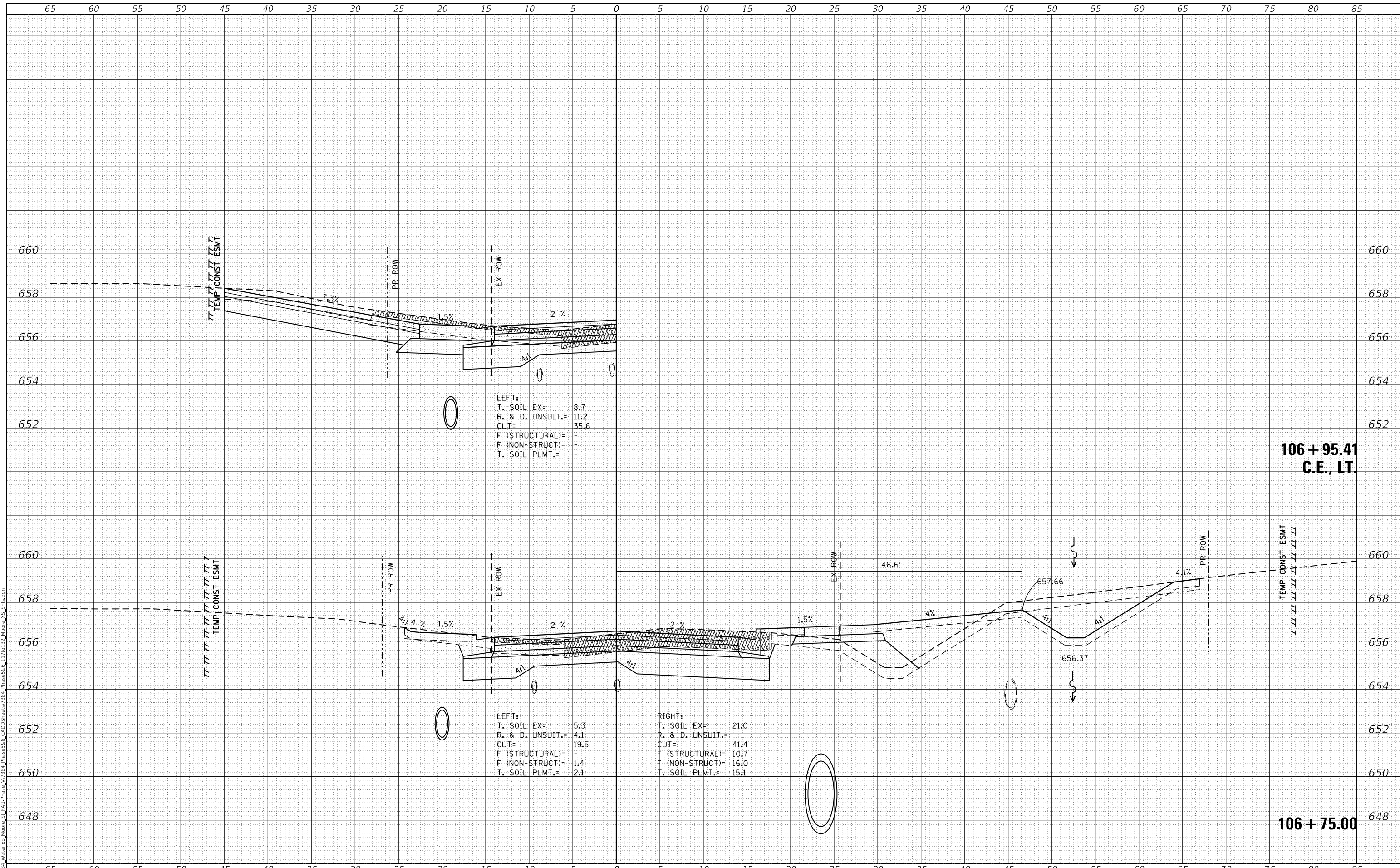
**CROSS SECTIONS  
MOORE STREET**

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 119       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore S - F&P-Phase 1\7384 - Phase556 - CAD\Drawings\384 - Phase556 - 117to132 - Moore XS - Smt.dgn



LEFT:  
 T. SOIL EX= 8.7  
 R. & D. UNSUIT.= 11.2  
 CUT= 35.6  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= -  
 T. SOIL PLMT.= -

LEFT:  
 T. SOIL EX= 5.3  
 R. & D. UNSUIT.= 4.1  
 CUT= 19.5  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= 1.4  
 T. SOIL PLMT.= 2.1

RIGHT:  
 T. SOIL EX= 21.0  
 R. & D. UNSUIT.= -  
 CUT= 41.4  
 F (STRUCTURAL)= 10.7  
 F (NON-STRUCT)= 16.0  
 T. SOIL PLMT.= 15.1

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 MOORE STREET

|                              |
|------------------------------|
| USER NAME = k.jones          |
| DESIGNED -                   |
| DRAWN -                      |
| PLOT SCALE = 10.0000 ' / in. |
| PLOT DATE = 3/30/2021        |

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

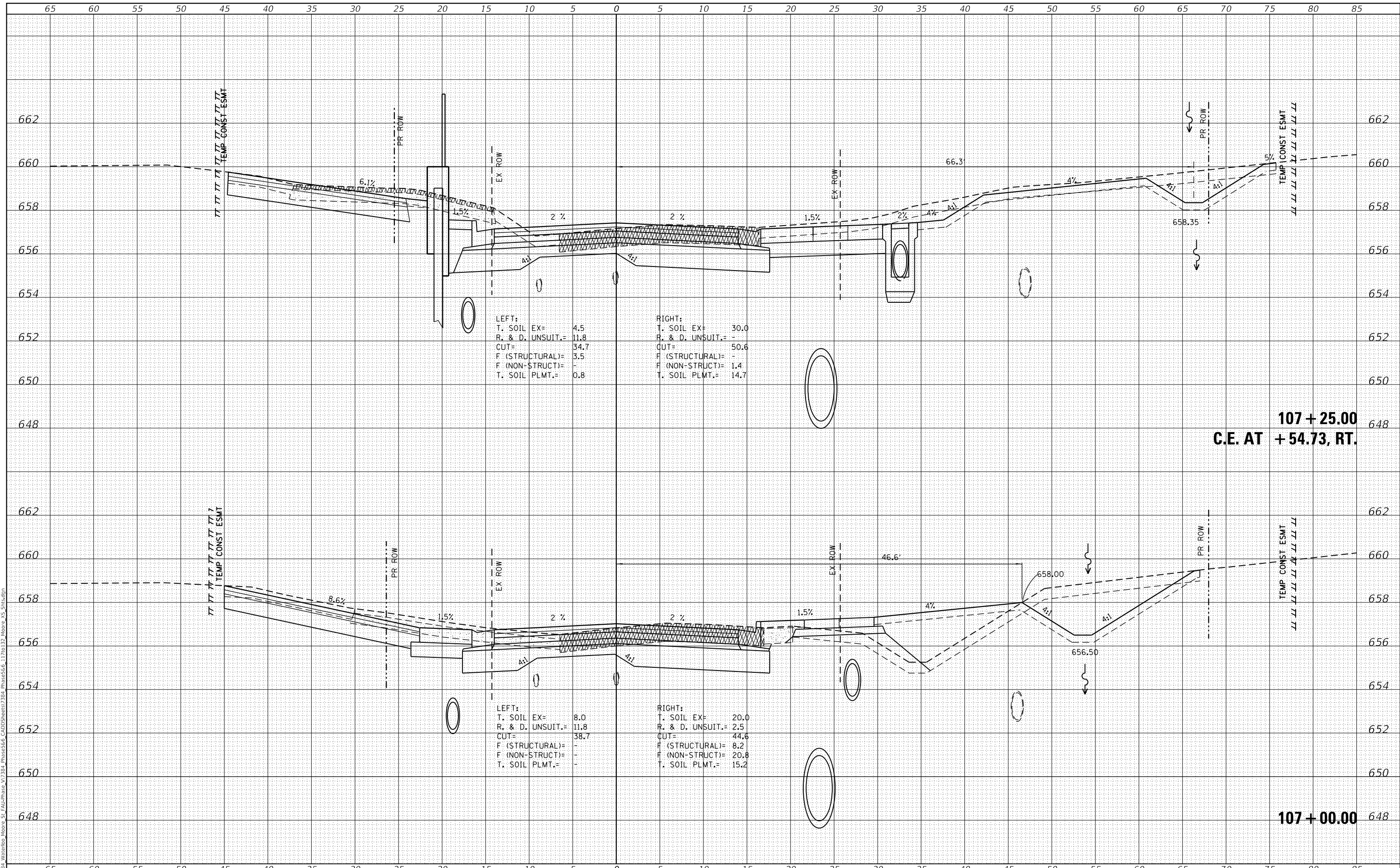
SCALE: SHEET OF SHEETS STA. 106+75.00 TO STA. 106+95.41

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 120       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore St - Full-Phase V17384 - Phase556 - CAD\Drawings\384 - Phase556 - 117to132 - Moore XS - Smt.dgn



|                       |                     |
|-----------------------|---------------------|
| LEFT:                 | RIGHT:              |
| T. SOIL EX= 4.5       | T. SOIL EX= 30.0    |
| R. & D. UNSUIT.= 11.8 | R. & D. UNSUIT.= -  |
| CUT= 34.7             | CUT= 50.6           |
| F (STRUCTURAL)= 3.5   | F (STRUCTURAL)= -   |
| F (NON-STRUCT)= -     | F (NON-STRUCT)= 1.4 |
| T. SOIL PLMT.= 0.8    | T. SOIL PLMT.= 14.7 |

|                       |                      |
|-----------------------|----------------------|
| LEFT:                 | RIGHT:               |
| T. SOIL EX= 8.0       | T. SOIL EX= 20.0     |
| R. & D. UNSUIT.= 11.8 | R. & D. UNSUIT.= 2.5 |
| CUT= 38.7             | CUT= 44.6            |
| F (STRUCTURAL)= -     | F (STRUCTURAL)= 8.2  |
| F (NON-STRUCT)= -     | F (NON-STRUCT)= 20.8 |
| T. SOIL PLMT.= -      | T. SOIL PLMT.= 15.2  |

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = k.jones          | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

SCALE: SHEET OF SHEETS STA. 107+00.00 TO STA. 107+25.00

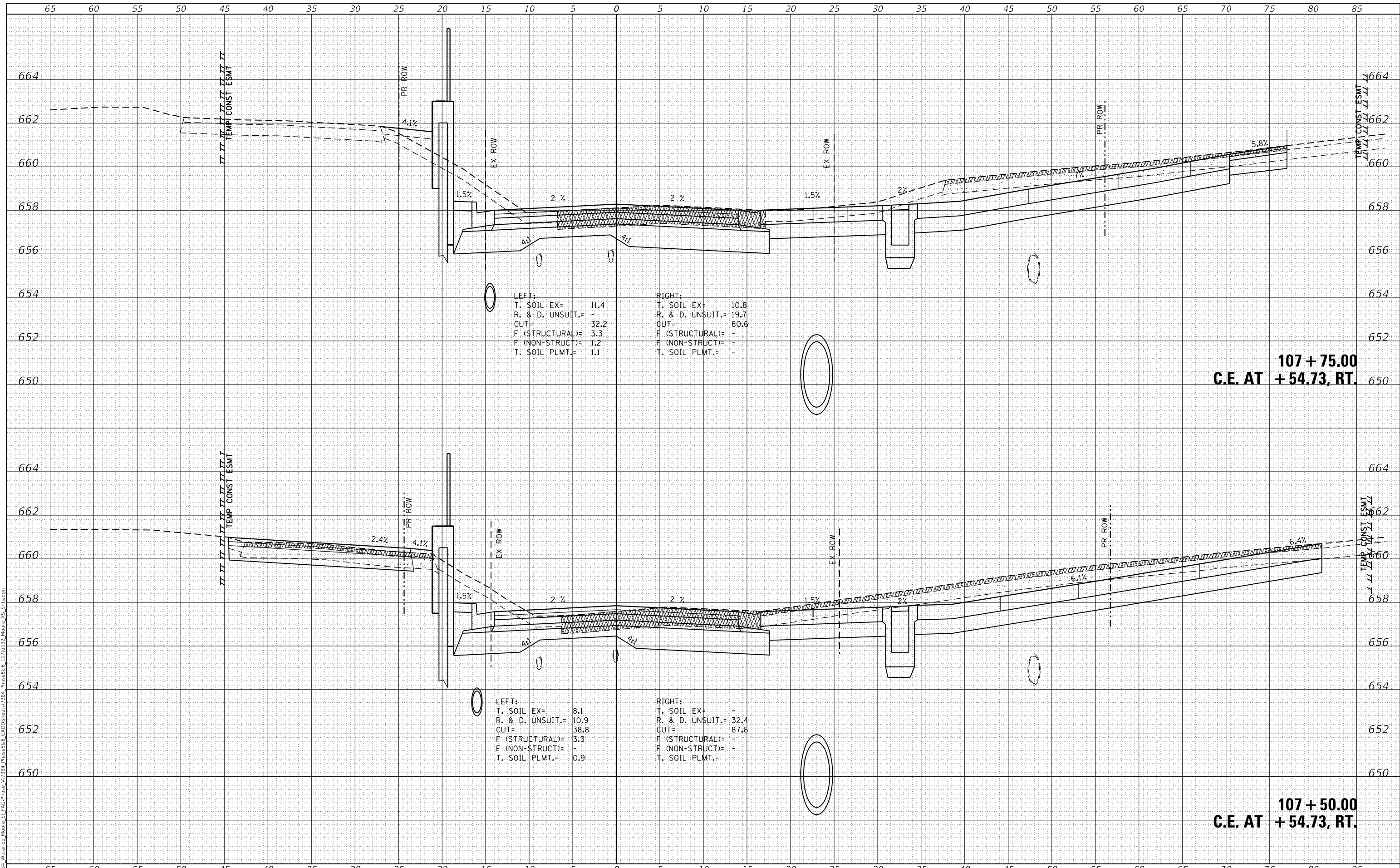
|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 121       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |



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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore S - F&P-Phase 1\7384-Phase556\_CADD\Sheet\7384-Phase556\_117to132-Moore XS\_Shts.dgn



LEFT:  
 T. SOIL EX= 11.4  
 R. & D. UNSUIT.= -  
 CUT= 32.2  
 F (STRUCTURAL)= 3.3  
 F (NON-STRUCT)= 1.2  
 T. SOIL PLMT.= 1.1

RIGHT:  
 T. SOIL EX= 10.8  
 R. & D. UNSUIT.= 19.7  
 CUT= 80.6  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= -  
 T. SOIL PLMT.= -

LEFT:  
 T. SOIL EX= 8.1  
 R. & D. UNSUIT.= 10.9  
 CUT= 38.8  
 F (STRUCTURAL)= 3.3  
 F (NON-STRUCT)= -  
 T. SOIL PLMT.= 0.9

RIGHT:  
 T. SOIL EX= -  
 R. & D. UNSUIT.= 32.4  
 CUT= 87.6  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= -  
 T. SOIL PLMT.= -

**107 + 75.00**  
**C.E. AT + 54.73, RT.**

**107 + 50.00**  
**C.E. AT + 54.73, RT.**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021       | DATE -     | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**MOORE STREET**

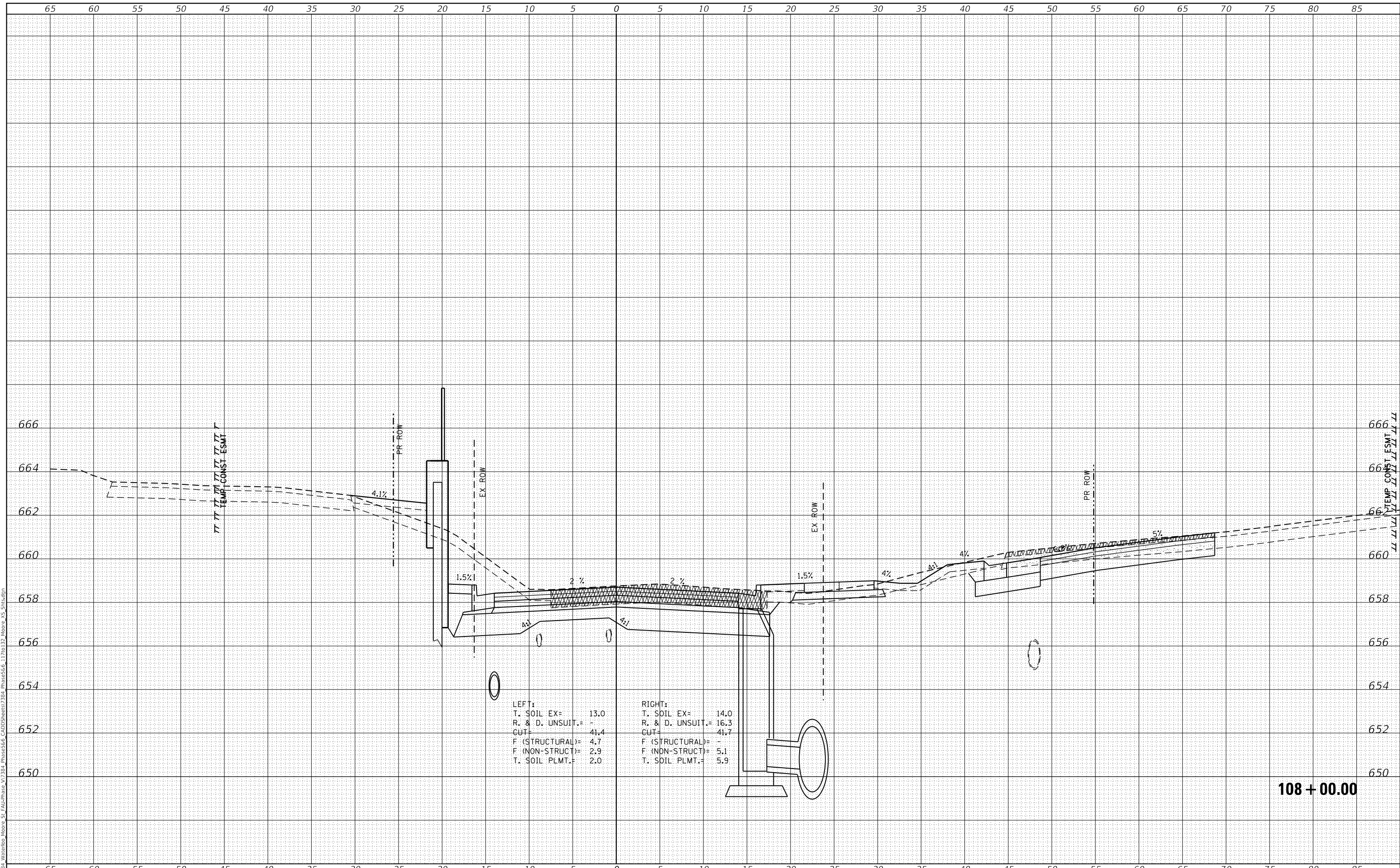
SCALE: SHEET OF SHEETS STA. 107+50.00 TO STA. 107+75.00

|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 122       |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |

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

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

MODEL: Default  
FILE NAME: I:\384 - Waterloo - Moore S - F&P-Phase 1\7384 - Waterloo - Moore S - F&P-Phase 1\7384 - Waterloo - Moore S - Sits.dgn



108 + 00.00

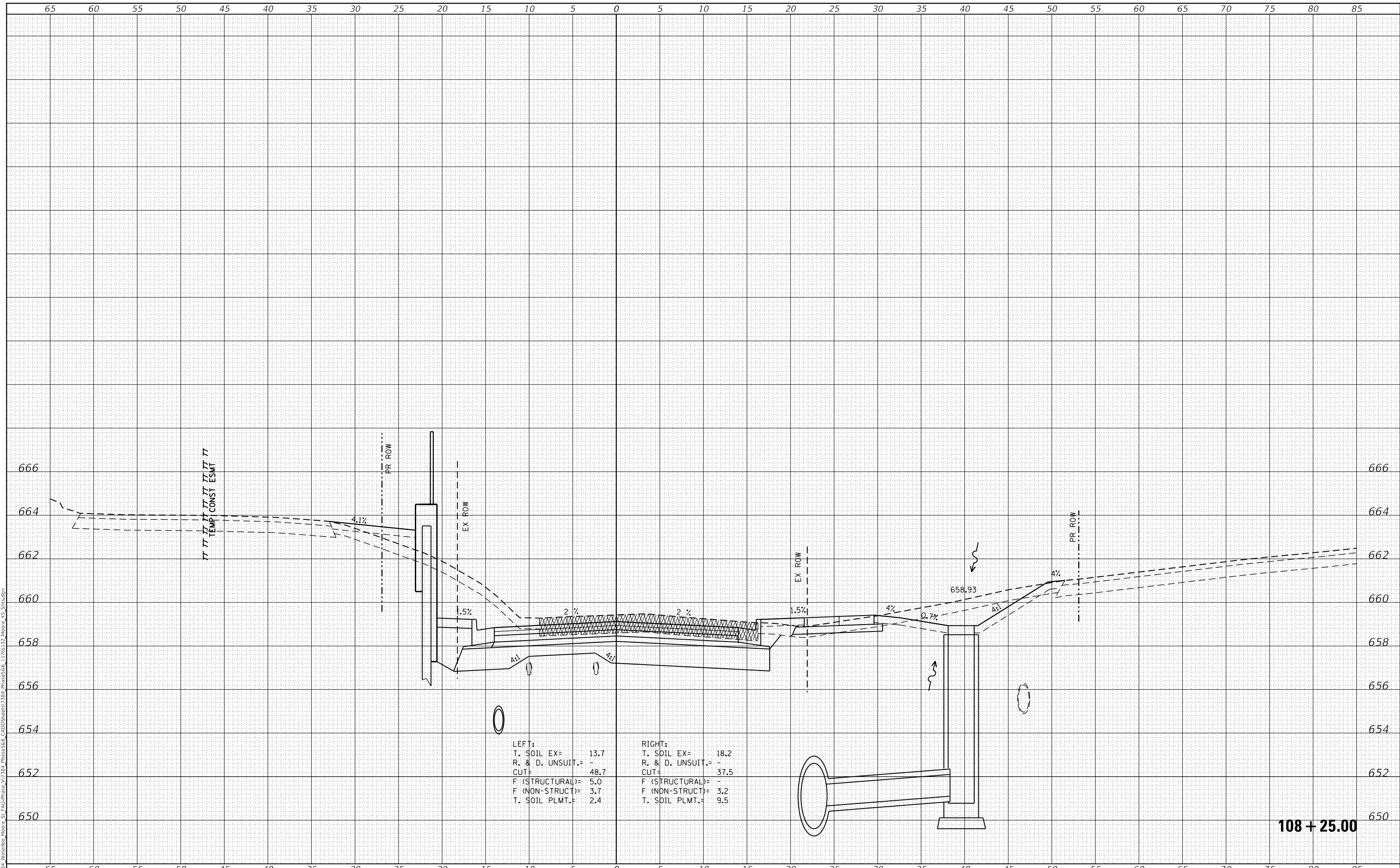
|                             |            |          |   |  |       |           |                           |                   |              |           |
|-----------------------------|------------|----------|---|--|-------|-----------|---------------------------|-------------------|--------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>CROSS SECTIONS</b><br><b>MOORE STREET</b> |       | F.A. RTE. | SECTION                   | COUNTY            | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 10.0000' / in. | DRAWN -    | REVISD - |   |  |       | 9315      | 15-00032-04-PV            | MONROE            | 132          | 123       |
| PLOT DATE = 3/30/2021       | CHECKED -  | REVISD - |   | CONTRACT NO. 97717                           |       |           | ILLINOIS FED. AID PROJECT |                   |              |           |
|                             | DATE -     | REVISD - |   | SCALE:                                       | SHEET | OF SHEETS | STA. 108+00.00            | TO STA. 108+00.00 |              |           |



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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore S - F&P-Phase V17384-Phase556\_CADD\Sheet57384-Phase556\_117to132 - Moore XS\_Sht.dgn



|                     |                     |
|---------------------|---------------------|
| LEFT:               | RIGHT:              |
| T. SOIL EX= 13.7    | T. SOIL EX= 18.2    |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= -  |
| CUT= 48.7           | CUT= 37.5           |
| F (STRUCTURAL)= 5.0 | F (STRUCTURAL)= -   |
| F (NON-STRUCT)= 3.7 | F (NON-STRUCT)= 3.2 |
| T. SOIL PLMT.= 2.4  | T. SOIL PLMT.= 9.5  |

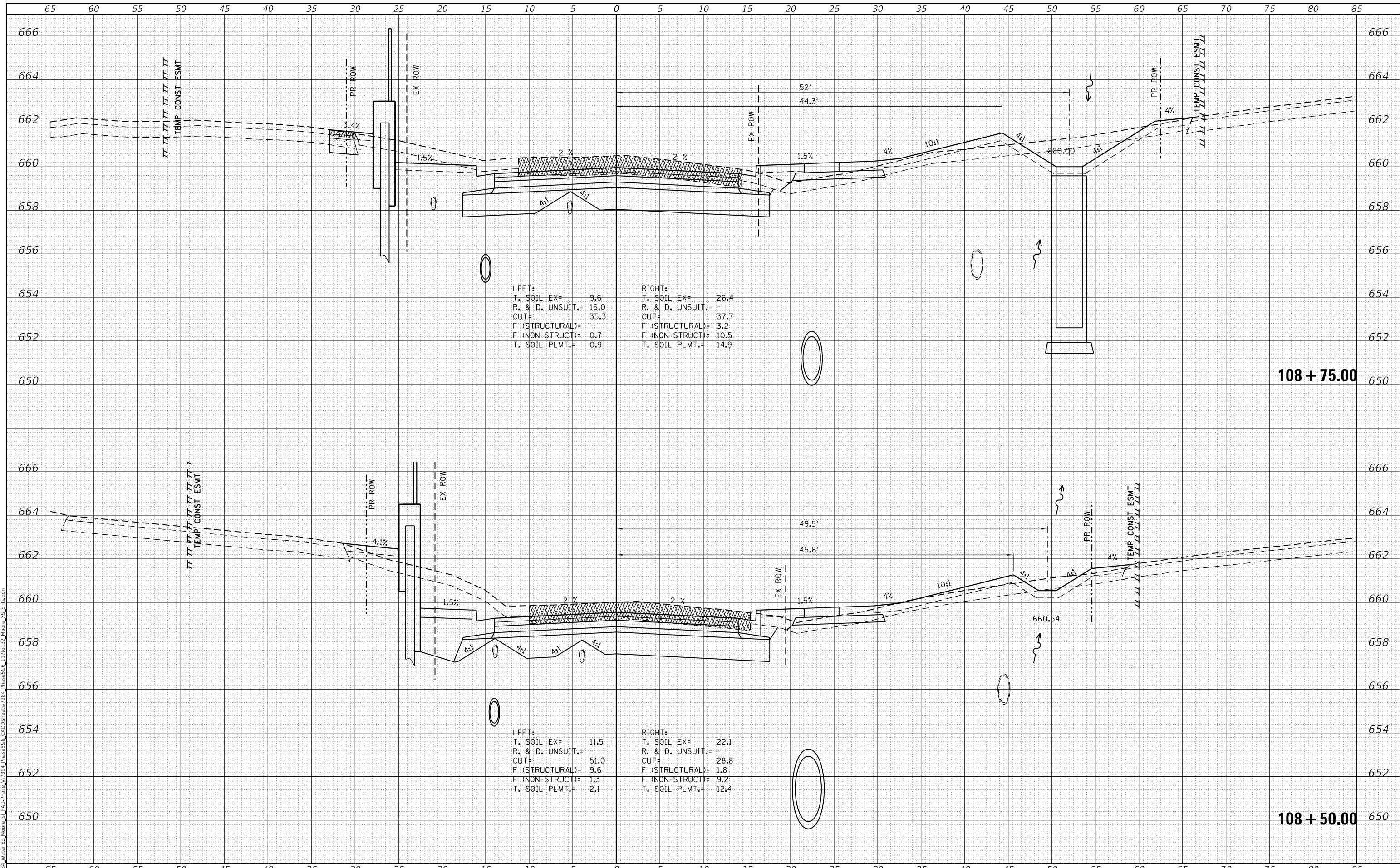
**108 + 25.00**

|                             |            |          |   |  |       |           |                |                   |              |           |
|-----------------------------|------------|----------|---|--|-------|-----------|----------------|-------------------|--------------|-----------|
| USER NAME = kjones          | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>CROSS SECTIONS</b><br><b>MOORE STREET</b> |       | F.A. RTE. | SECTION        | COUNTY            | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 10.0000' / in. | DRAWN -    | REVISD - |   |  |       | 9315      | 15-00032-04-PV | MONROE            | 132          | 124       |
| PLOT DATE = 3/30/2021       | CHECKED -  | REVISD - |   | CONTRACT NO. 97717                           |       |           | ILLINOIS       | FED. AID PROJECT  |              |           |
|                             | DATE -     | REVISD - |   | SCALE:                                       | SHEET | OF SHEETS | STA. 108+25.00 | TO STA. 108+25.00 |              |           |

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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo - Moore S - F&P-Phase 1\7384-Phase556\_CADD\Sheet57384-Phase556\_117to132 - Moore XS\_Sms.dgn



|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = kjones           | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

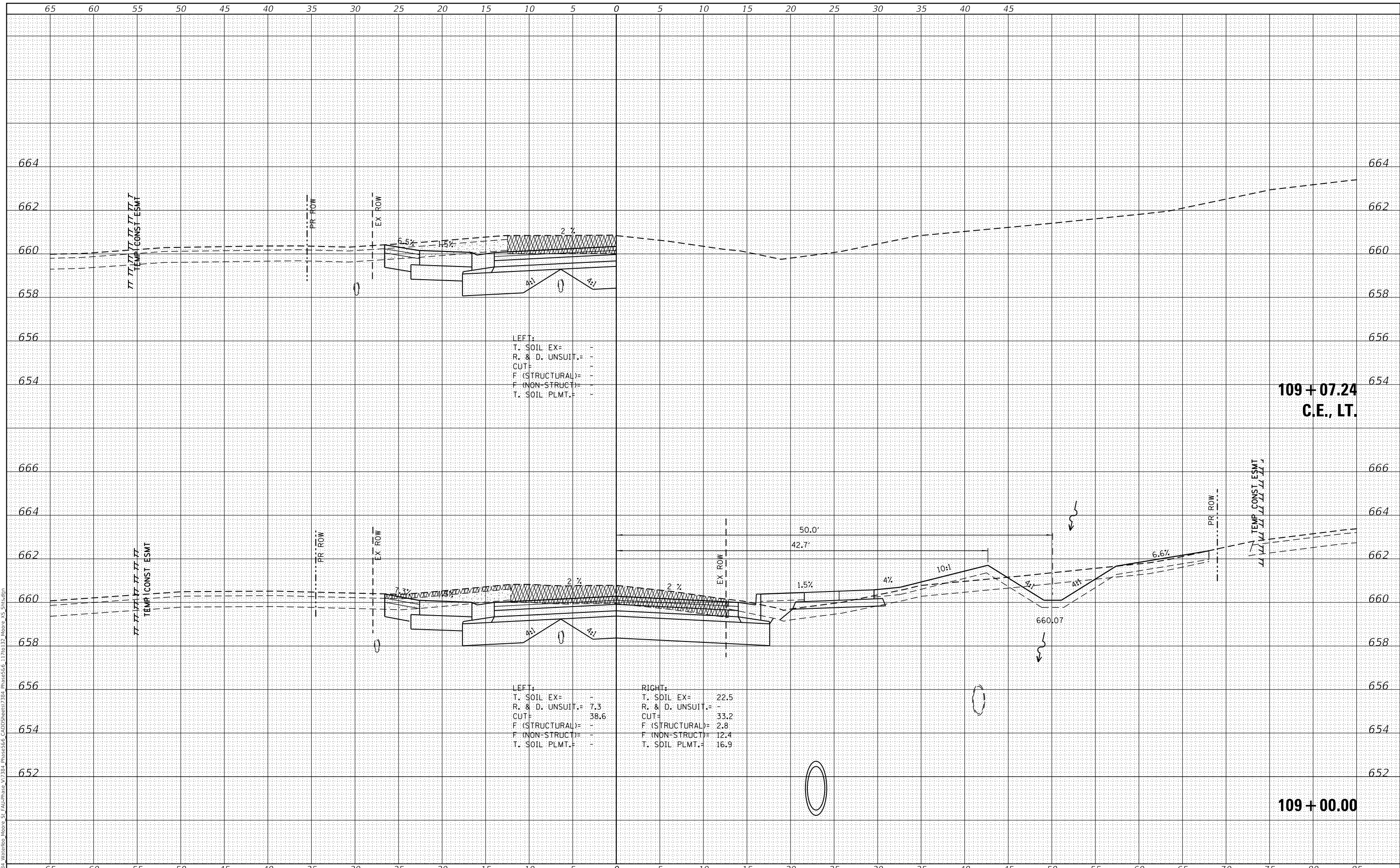
|        |       |    |        |                |                   |
|--------|-------|----|--------|----------------|-------------------|
| SCALE: | SHEET | OF | SHEETS | STA. 108+50.00 | TO STA. 108+75.00 |
|--------|-------|----|--------|----------------|-------------------|

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 125       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Definit  
 FILE NAME: H:\384 - Washboro - Moore St - F&P-Phase 1\7384 - Moore St - F&P-Phase 1\7384 - Moore St - Sits.dgn



LEFT:  
 T. SOIL EX= -  
 R. & D. UNSUIT.= -  
 CUT= -  
 F (STRUCTURAL)= -  
 F (NON-STRUCT)= -  
 T. SOIL PLMT.= -

|                  |      |                  |      |
|------------------|------|------------------|------|
| LEFT:            |      | RIGHT:           |      |
| T. SOIL EX=      | -    | T. SOIL EX=      | 22.5 |
| R. & D. UNSUIT.= | 7.3  | R. & D. UNSUIT.= | -    |
| CUT=             | 38.6 | CUT=             | 33.2 |
| F (STRUCTURAL)=  | -    | F (STRUCTURAL)=  | 2.8  |
| F (NON-STRUCT)=  | -    | F (NON-STRUCT)=  | 12.4 |
| T. SOIL PLMT.=   | -    | T. SOIL PLMT.=   | 16.9 |

|              |                 |
|--------------|-----------------|
| USER NAME =  | kjones          |
| DESIGNED -   | REVISIED -      |
| DRAWN -      | REVISIED -      |
| PLOT SCALE = | 10.0000 ' / in. |
| CHECKED -    | REVISIED -      |
| DATE -       | REVISIED -      |
| PLOT DATE =  | 3/30/2021       |

|            |            |
|------------|------------|
| DESIGNED - | REVISIED - |
| DRAWN -    | REVISIED - |
| CHECKED -  | REVISIED - |
| DATE -     | REVISIED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

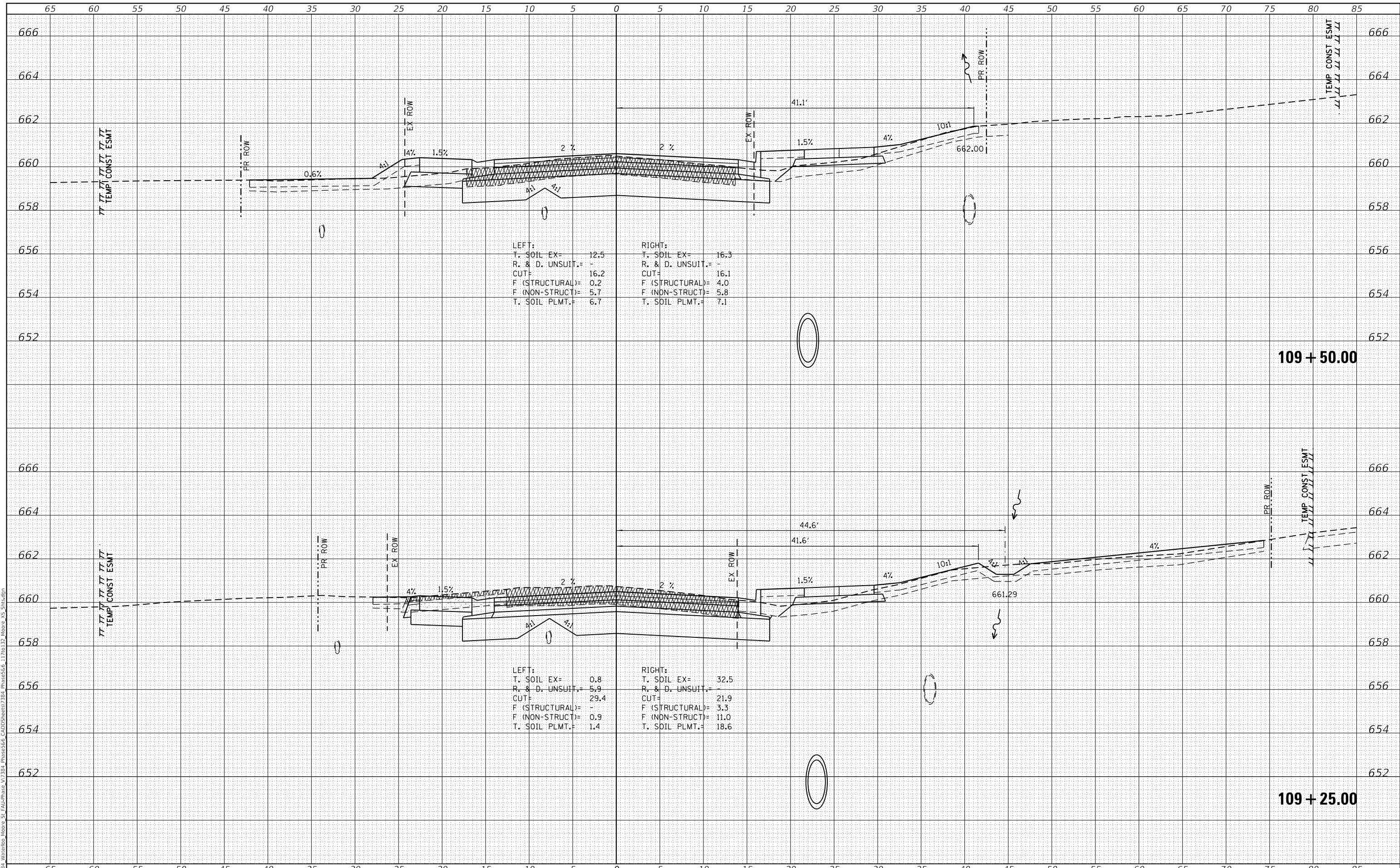
SCALE: SHEET OF SHEETS STA. 109+00.00 TO STA. 109+07.24

|                           |                |        |                    |           |
|---------------------------|----------------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 9315                      | 15-00032-04-PV | MONROE | 132                | 126       |
| ILLINOIS FED. AID PROJECT |                |        | CONTRACT NO. 97717 |           |

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

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

MODEL: Definit  
 FILE NAME: H:\384 - Waterloo - Moore St - Full-Phase 1\7384 - Phase556 - CAD\Drawings\384 - Phase556 - 117to132 - Moore St\_Site.dgn



|                  |      |                  |      |
|------------------|------|------------------|------|
| LEFT:            |      | RIGHT:           |      |
| T. SOIL EX=      | 12.5 | T. SOIL EX=      | 16.3 |
| R. & D. UNSUIT.= | -    | R. & D. UNSUIT.= | -    |
| CUT=             | 16.2 | CUT=             | 16.1 |
| F (STRUCTURAL)=  | 0.2  | F (STRUCTURAL)=  | 4.0  |
| F (NON-STRUCT)=  | 5.7  | F (NON-STRUCT)=  | 5.8  |
| T. SOIL PLMT.=   | 6.7  | T. SOIL PLMT.=   | 7.1  |

|                  |      |                  |      |
|------------------|------|------------------|------|
| LEFT:            |      | RIGHT:           |      |
| T. SOIL EX=      | 0.8  | T. SOIL EX=      | 32.5 |
| R. & D. UNSUIT.= | 5.9  | R. & D. UNSUIT.= | -    |
| CUT=             | 29.4 | CUT=             | 21.9 |
| F (STRUCTURAL)=  | -    | F (STRUCTURAL)=  | 3.3  |
| F (NON-STRUCT)=  | 0.9  | F (NON-STRUCT)=  | 11.0 |
| T. SOIL PLMT.=   | 1.4  | T. SOIL PLMT.=   | 18.6 |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MOORE STREET**

|               |                |
|---------------|----------------|
| USER NAME =   | kjones         |
| DESIGNED -    |                |
| DRAWN -       |                |
| PLLOT SCALE = | 10.0000' / in. |
| CHECKED -     |                |
| PLLOT DATE =  | 3/30/2021      |
| DATE -        |                |

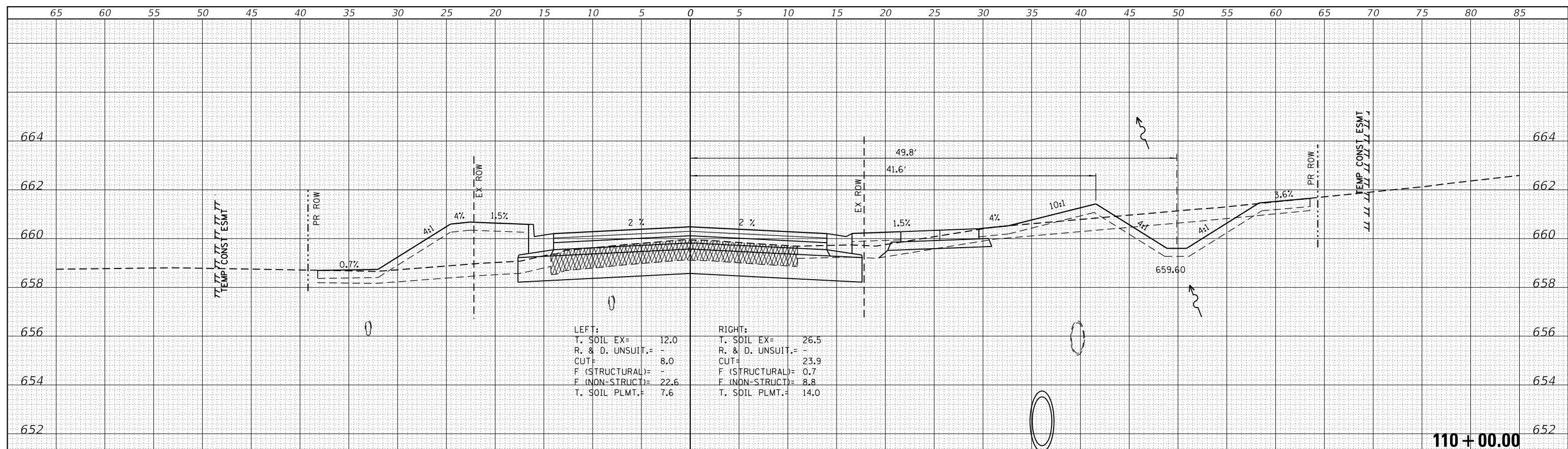
|           |  |
|-----------|--|
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |
| REVISED - |  |

SCALE: SHEET OF SHEETS STA. 109+25.00 TO STA. 109+50.00

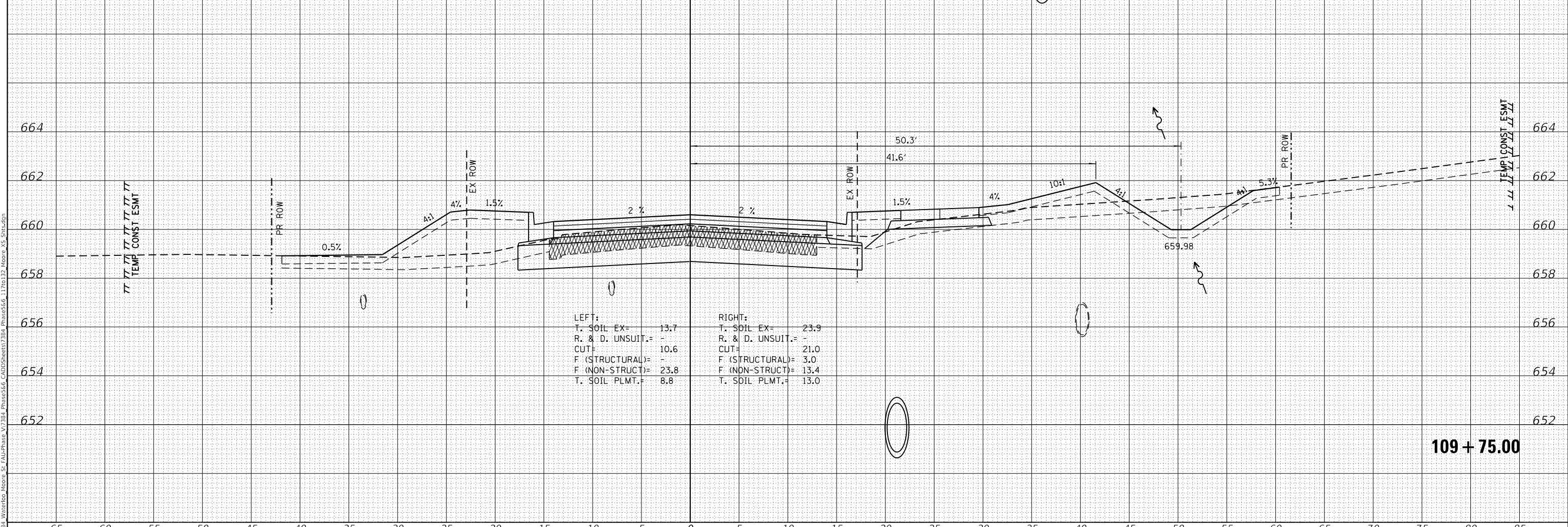
|           |                |          |                    |           |
|-----------|----------------|----------|--------------------|-----------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| 9315      | 15-00032-04-PV | MONROE   | 132                | 127       |
|           |                |          | CONTRACT NO. 97717 |           |
|           |                | ILLINOIS | FED. AID PROJECT   |           |



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



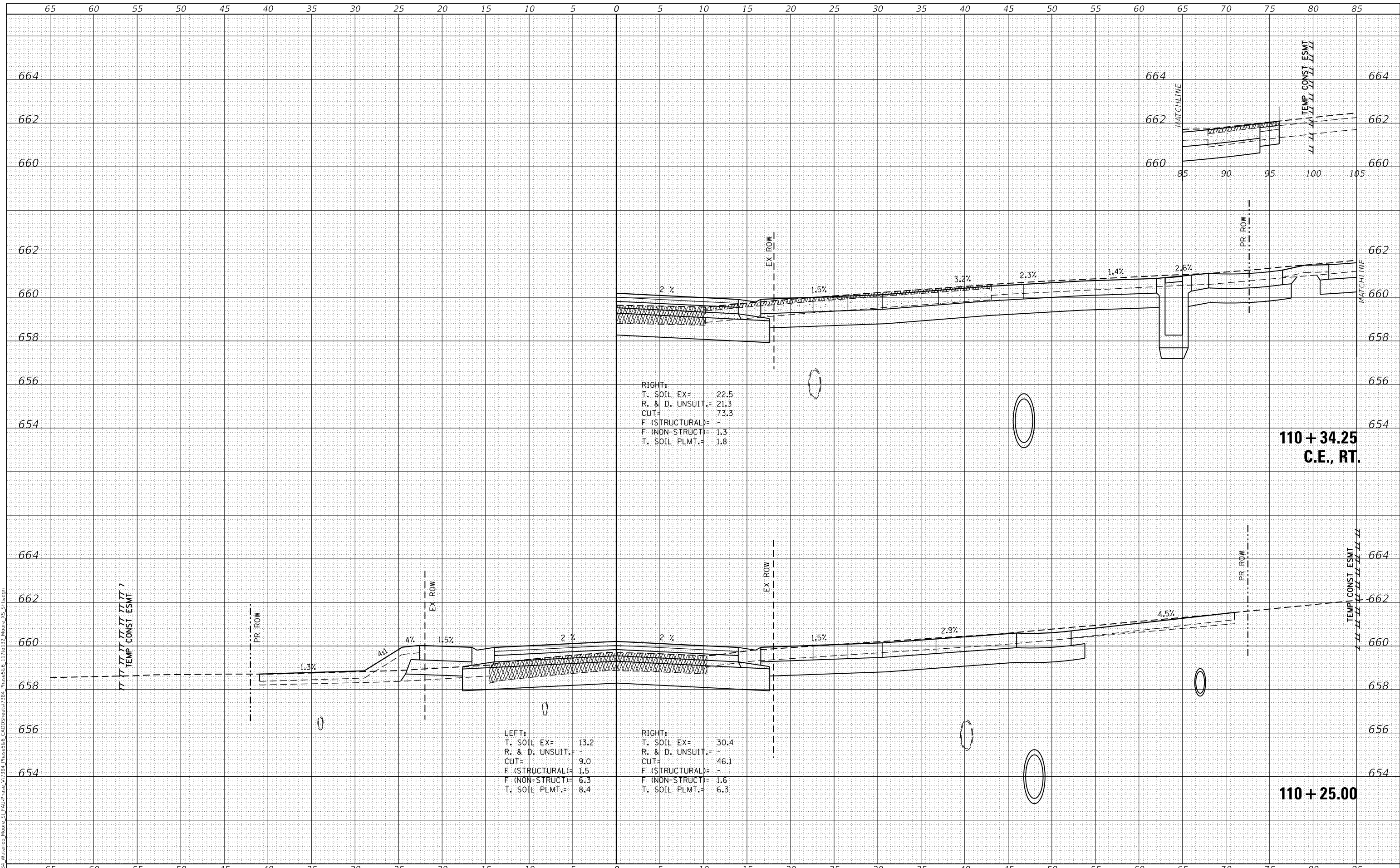
|                 |               |
|-----------------|---------------|
| DATE            |               |
| BY              |               |
| ORIGINAL SURVEY | SURVEYED      |
| NOTE BOOK       | PLOTTED       |
| NO.             | TEMPLATE      |
|                 | AREAS CHECKED |



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

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

MODEL: Default  
 FILE NAME: H:\384 - Waterloo - Moore St - F&P-Phase 1\7384-Phase556\_CADD\Sheet556\_117to132 - Moore XS\_Shts.dgn



|                              |            |          |
|------------------------------|------------|----------|
| USER NAME = kjones           | DESIGNED - | REVISD - |
|                              | DRAWN -    | REVISD - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISD - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|  |                 |
|--|-----------------|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |                 |
| SCALE:                                 | SHEET OF SHEETS |
| STA. 110+25.00 TO STA. 110+34.25       |                 |

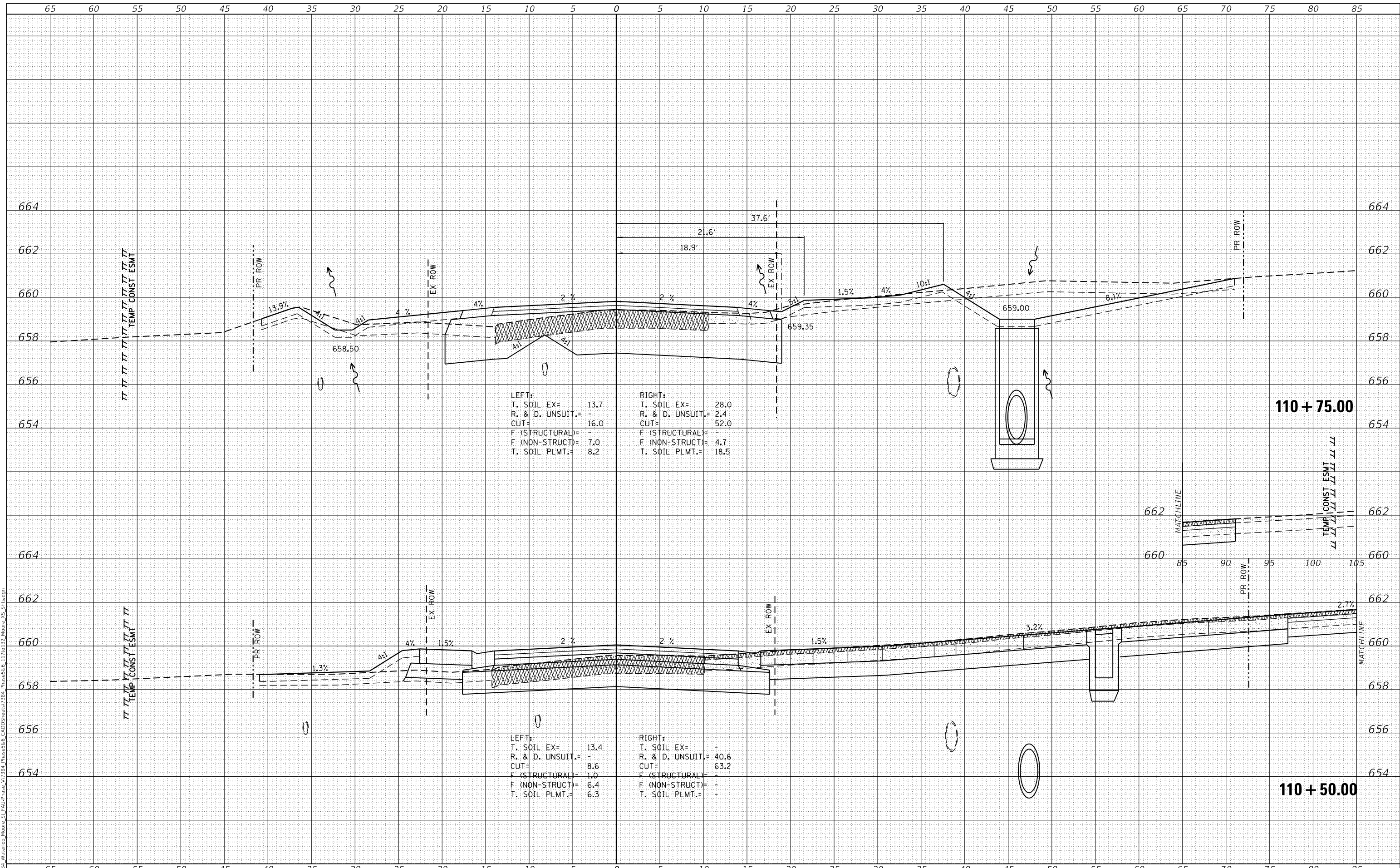
|           |                |          |                  |                    |
|-----------|----------------|----------|------------------|--------------------|
| F.A. RTE. | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO.          |
| 9315      | 15-00032-04-PV | MONROE   | 132              | 129                |
|           |                |          |                  | CONTRACT NO. 97717 |
|           |                | ILLINOIS | FED. AID PROJECT |                    |



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

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

MODEL: Default  
 FILE NAME: I:\384 - Waterloo Moore S - Fall-Phase V17384-Phase556 CAD\Drawings\384-Phase556 - 117to132 - Moore XS\_Shts.dgn



|                     |                      |
|---------------------|----------------------|
| LEFT:               | RIGHT:               |
| T. SOIL EX= 13.7    | T. SOIL EX= 28.0     |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= 2.4 |
| CUT= 16.0           | CUT= 52.0            |
| F (STRUCTURAL)= -   | F (STRUCTURAL)= -    |
| F (NON-STRUCT)= 7.0 | F (NON-STRUCT)= 4.7  |
| T. SOIL PLMT.= 8.2  | T. SOIL PLMT.= 18.5  |

|                     |                       |
|---------------------|-----------------------|
| LEFT:               | RIGHT:                |
| T. SOIL EX= 13.4    | T. SOIL EX= -         |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= 40.6 |
| CUT= 8.6            | CUT= 63.2             |
| F (STRUCTURAL)= 1.0 | F (STRUCTURAL)= -     |
| F (NON-STRUCT)= 6.4 | F (NON-STRUCT)= -     |
| T. SOIL PLMT.= 6.3  | T. SOIL PLMT.= -      |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

|                             |            |           |
|-----------------------------|------------|-----------|
| USER NAME = k.jones         | DESIGNED - | REvised - |
|                             | DRAWN -    | REvised - |
| PLOT SCALE = 10.0000' / in. | CHECKED -  | REvised - |
| PLOT DATE = 3/30/2021       | DATE -     | REvised - |

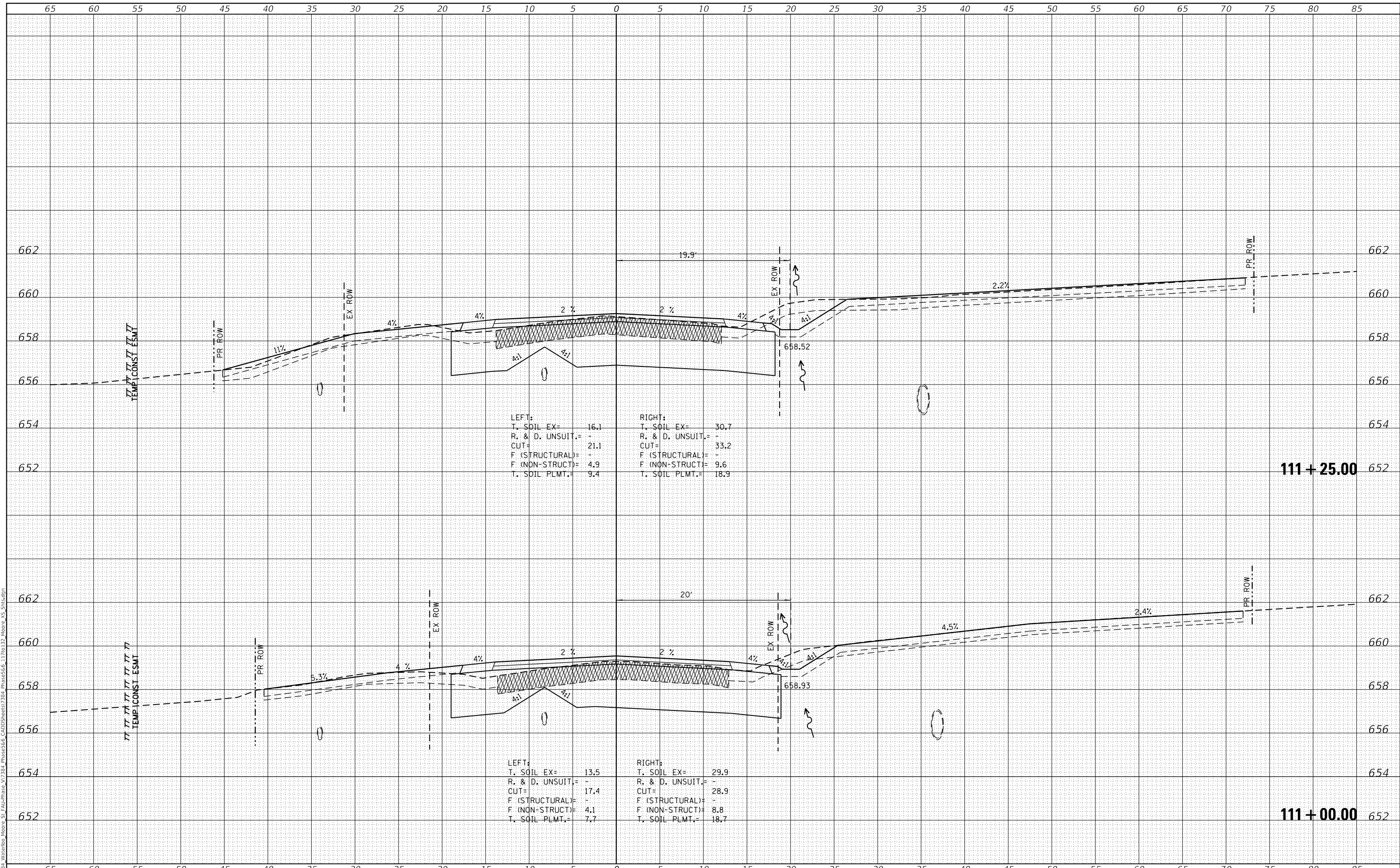
SCALE: SHEET OF SHEETS STA. 110+50.00 TO STA. 110+75.00

|                    |                |        |                           |           |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION        | COUNTY | TOTAL SHEETS              | SHEET NO. |
| 9315               | 15-00032-04-PV | MONROE | 132                       | 130       |
| CONTRACT NO. 97717 |                |        | ILLINOIS FED. AID PROJECT |           |

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

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

MODEL: Definit  
 FILE NAME: I:\384 - Waterloo - Moore S - F&P - Phase 1 - V17384 - Phase 5 - CAD\Drawings\384 - Phase 5 - 117to 132 - Moore XS - Smt.dgn



|                     |                     |
|---------------------|---------------------|
| LEFT:               | RIGHT:              |
| T. SOIL EX= 16.1    | T. SOIL EX= 30.7    |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= -  |
| CUT= 21.1           | CUT= 33.2           |
| F (STRUCTURAL)= -   | F (STRUCTURAL)= -   |
| F (NON-STRUCT)= 4.9 | F (NON-STRUCT)= 9.6 |
| T. SOIL PLMT.= 9.4  | T. SOIL PLMT.= 18.9 |

|                     |                     |
|---------------------|---------------------|
| LEFT:               | RIGHT:              |
| T. SOIL EX= 13.5    | T. SOIL EX= 29.9    |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= -  |
| CUT= 17.4           | CUT= 28.9           |
| F (STRUCTURAL)= -   | F (STRUCTURAL)= -   |
| F (NON-STRUCT)= 4.1 | F (NON-STRUCT)= 8.8 |
| T. SOIL PLMT.= 7.7  | T. SOIL PLMT.= 18.7 |

|                              |            |           |
|------------------------------|------------|-----------|
| USER NAME = kjones           | DESIGNED - | REVISED - |
|                              | DRAWN -    | REVISED - |
| PLOT SCALE = 10.0000 ' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/30/2021        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

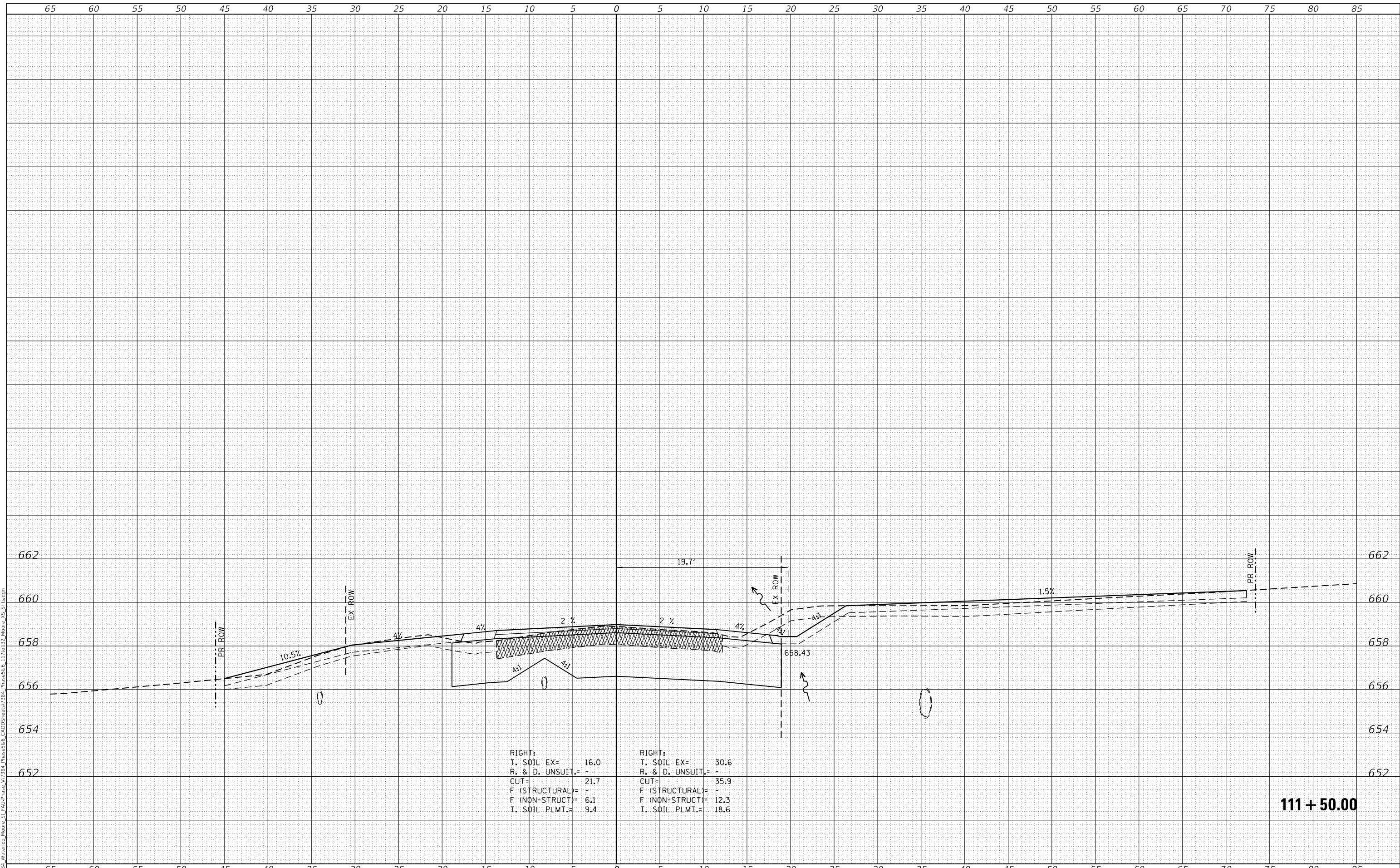
|  |       |           |                                  |
|--|-------|-----------|----------------------------------|
| <b>CROSS SECTIONS<br/>MOORE STREET</b> |       |           |                                  |
| SCALE:                                 | SHEET | OF SHEETS | STA. 111+00.00 TO STA. 111+25.00 |

|           |                |        |              |                           |
|-----------|----------------|--------|--------------|---------------------------|
| F.A. RTE. | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO.                 |
| 9315      | 15-00032-04-PV | MONROE | 132          | 131                       |
|           |                |        |              | CONTRACT NO. 97717        |
|           |                |        |              | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Default  
 FILE NAME: H:\384\_Waterloo\_Moore St-FAL-Phase 1\7384-Phase556\_CADD\Sheet556\_117to132\_Moore XS\_Sms.dgn



|                     |                      |
|---------------------|----------------------|
| RIGHT:              | RIGHT:               |
| T. SOIL EX= 16.0    | T. SOIL EX= 30.6     |
| R. & D. UNSUIT.= -  | R. & D. UNSUIT.= -   |
| CUT= 21.7           | CUT= 35.9            |
| F (STRUCTURAL)= -   | F (STRUCTURAL)= -    |
| F (NON-STRUCT)= 6.1 | F (NON-STRUCT)= 12.3 |
| T. SOIL PLMT.= 9.4  | T. SOIL PLMT.= 18.6  |

**111 + 50.00**

|                              |            |          |
|------------------------------|------------|----------|
| USER NAME = kjones           | DESIGNED - | REVISD - |
| PLOT SCALE = 10.0000 ' / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/30/2021        | CHECKED -  | REVISD - |
|                              | DATE -     | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MOORE STREET**

SCALE: SHEET OF SHEETS STA. 111+50.00 TO STA. 111+50.00

| F.A. RTE.          | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|--------------------|----------------|----------|------------------|-----------|
| 9315               | 15-00032-04-PV | MONROE   | 132              | 132       |
| CONTRACT NO. 97717 |                |          |                  |           |
|                    |                | ILLINOIS | FED. AID PROJECT |           |