

06/17/2022 LETTING ITEM 226

INDEX OF SHEETS

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- 2 Location Map and Straight Line Diagram
- 3 Summary of Quantities, General notes
- 4-8 Typical Cross Sections
- 9-10 Schedules
- 11-12 Details
- 13-21 Cross Sections

STANDARDS

- 280001-07, Temporary Erosion Control Systems
- 701201-05, Lane Closure, 2L, 2W, Day Only, for Speeds ≥ 45MPH
- 701301-04, Lane Closure, 2L, 2W, Short Time Operations
- 701306-04, Lane Closure, 2L, 2W, Slow Moving Operations, Day Only, for Speeds ≥ 45 MPH
- 701311-03, Lane Closure, 2L, 2W, Moving Operations- Day Only Day Only
- 701901-08, Traffic Control Devices
- 780001-05, Typical Pavement Markings
- B.L.R. 24-2, Mailbox Turnout for Local Roads

Location: CH-21, Kenney Road

ADT: 325

Functional Classification: Major Collector

Design Speed: 55 mph

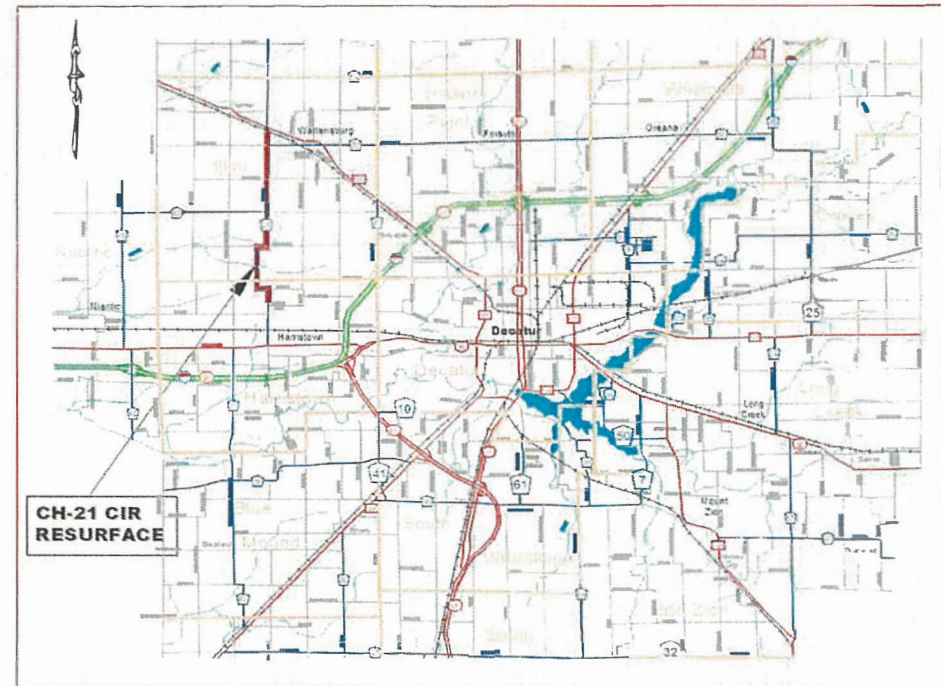
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR THE PROPOSED
IMPROVEMENT OF FEDERAL AID
SECONDARY ROUTE
STR FUNDS**

Section Number 20-00301-00-PV

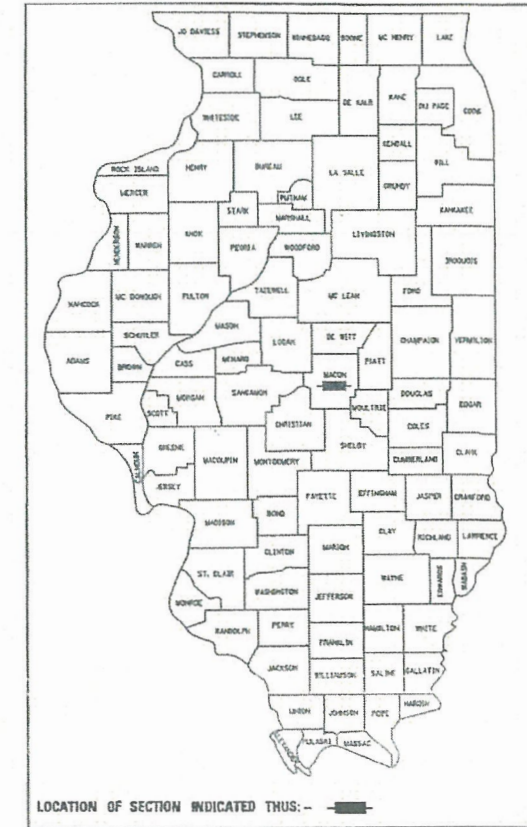
Job Number C-97-008-22

Project Number KNND(663)
FAS 546/CH-21 MACON COUNTY, ILLINOIS



CH-21 CIR
RESURFACE

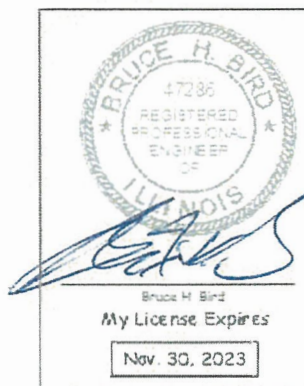
TOTAL LENGTH = 28,961 feet, 5.49 miles
OMISSION: 58+55 to 58+88.5, 33.5 feet, and 288+88.5 to 288+97, 8.5 feet
NET LENGTH = 28,919 feet, 5.48 miles



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



| | | | |
|-------------|-----------|---|--------------------------|
| Design By: | AJM | Kenney Road (CH-21) | Contract # 95922 |
| CAD By: | AJM | Cover Sheet | Section # 20-00301-00-PV |
| Checked By: | | | |
| Date: | 1/26/2022 | Macon County Highway - Engineering Division | Sheet No. 1 |



APPROVED: April 7, 2022
[Signature]
COUNTY ENGINEER

PASSED: 05/03, 2022
[Signature]
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

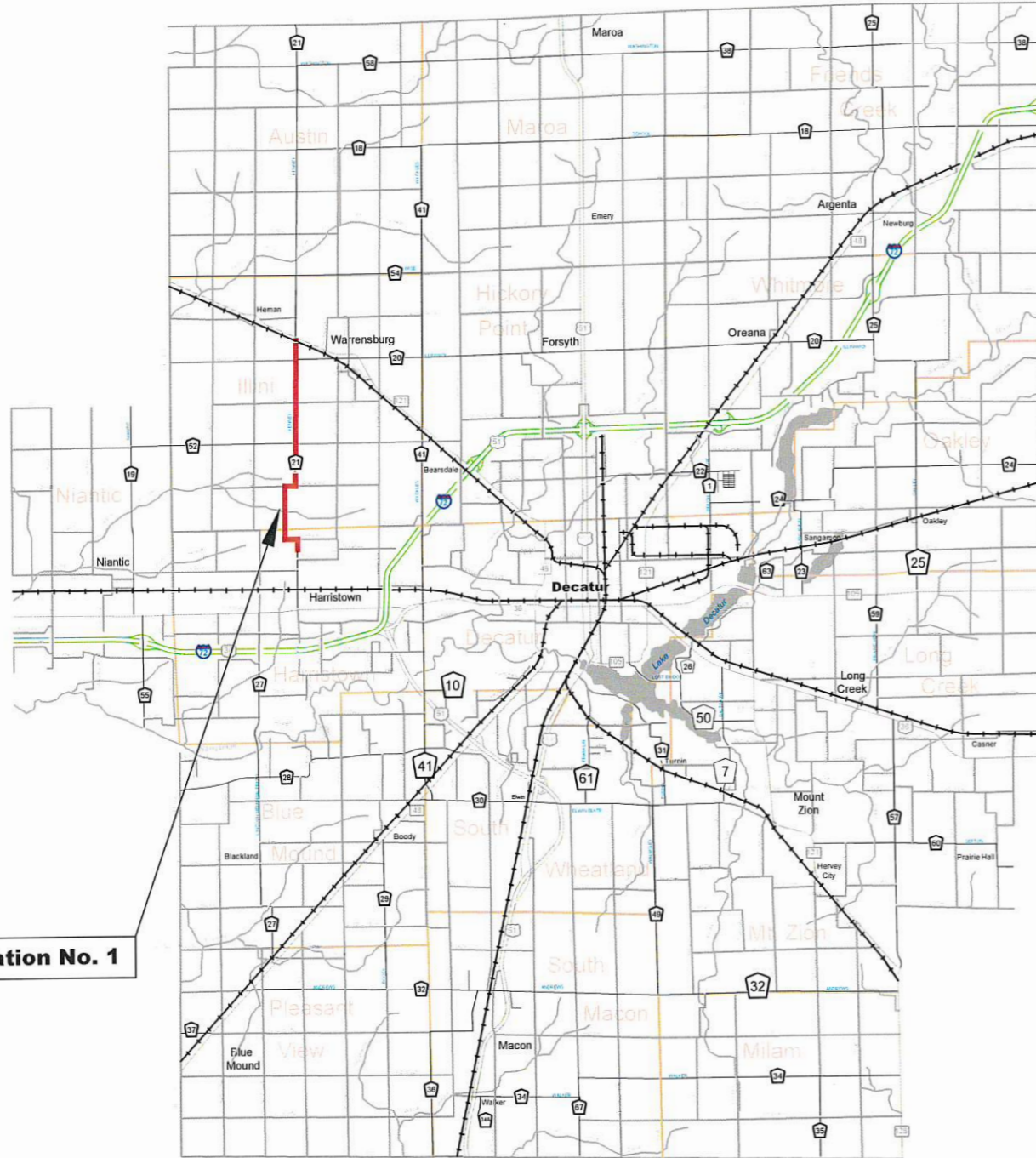
Releasing For Bid Based
On Limited Review: 05/03, 2022
[Signature]
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



MACON COUNTY 2022 KENNEY ROAD CIR / RESURFACING PROJECT

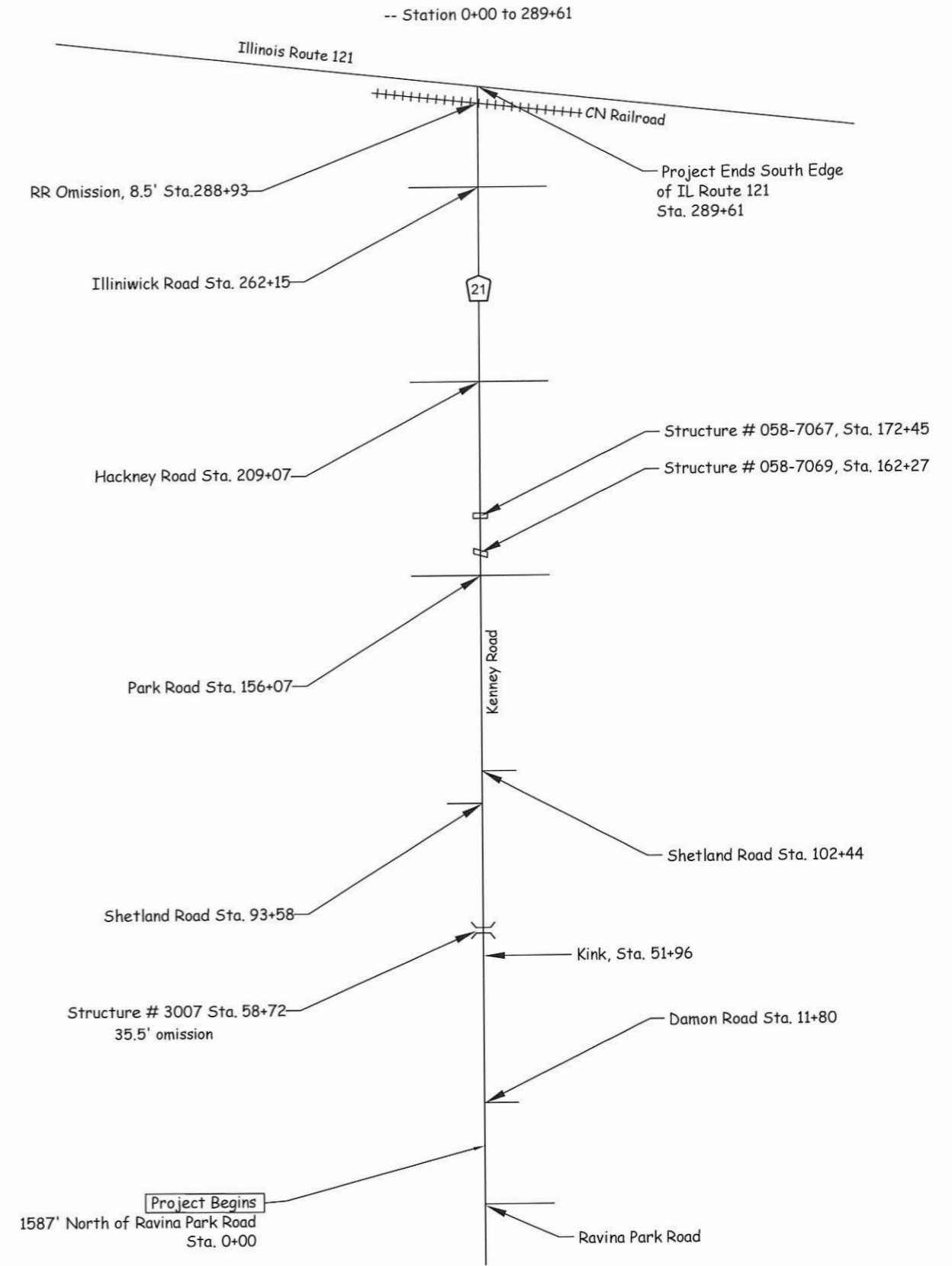
LOCATION MAP



Location No. 1

1. CH-21, Kenney Road from just north of Ravina Park Road northward to the south edge of IL Route 121, with an omission across the bridge from 58+55 to 58+88.5, and the RR tracks from 288+88.5 to 288+97.

Kenney Road Straight Line Diagram



| | | |
|---|------------------|----------------|
| CH-21, Kenney Road | | Design by: AJM |
| Section 20-00301-00-PV | Contract # 95922 | CAD by: AJM |
| Straight Line Diagram | | Date: 11-18-21 |
| Macon County Highway - Engineering Division | | Sheet 2 |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY |
|------------|---|--------|----------------|
| 20200100 | EARTH EXCAVATION | CU YD | 83 |
| 20400800 | FURNISHED EXCAVATION | CU YD | 400 |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 144 |
| 35102000 | AGGREGATE BASE COURSE, TYPE B B" | SQ YD | 6959 |
| 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 16 |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 48120 |
| 40600370 | LONGITUDINAL JOINT SEAL | FOOT | 28679 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT | SQ YD | 1350 |
| 40600990 | TEMPORARY RAMP | SQ YD | 113.2 |
| 40602970 | HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 | TON | 5888 |
| 40604052 | HOT MIX ASPHALT SURFACE COURSE, IL-9.5 C N70 | TON | 7935 |
| 40800025 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 586 |
| 40800050 | INCIDENTAL HOT- MIX ASPHALT SURFACING | TON | 362 |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 3848 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 6916 |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 964 |
| Δ 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTER AND SYMBOLS | SQ FT | 61.2 |
| Δ 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 72 |
| Δ 78001110 | PAINT PAVEMENT MARKING - LINE 4" | FOOT | 14687 |
| LR400005 | CIR-FDR EMULSIFIED ASPHALT | GALLON | 113458 |
| LR400015 | ADD ROCK | SQ YD | 37896 |
| LR400740 | COLD IN-PLACE RECYCLING, 4.0" | SQ YD | 28900 |
| LR400750 | COLD IN-PLACE RECYCLING, 5.0" | SQ YD | 37896 |
| LR403300 | SURFACE PROFILE MILLING | SQ YD | 22168 |
| X0327902 | MAILBOX REMOVAL AND REPLACE | EACH | 6 |
| X2501000 | SEEDING CLASS 2 SPECIAL | ACRE | 0.75 |
| X6660445 | RIGHT OF WAY AND PROPERTY CORNERS | EACH | 8 |
| Z0004542 | HOT - MIX ASPHALT SURFACE REMOVAL (SPECIAL) | SQ YD | 324 |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 |


Δ SPECIALTY ITEMS

GENERAL NOTES

1. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
2. ACCESS TO ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
3. IN ADDITION TO FIELD SURVEYS AND ARIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CUASE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
5. DRAWINGS AND DETAILS ARE ASSUMED NOT TO SCALE UNLESS OTHERWISE NOTED.
6. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMENANT REPAIRS. UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES UNLESS OTHERWISE NOTED.

RATES OF APPLICATION

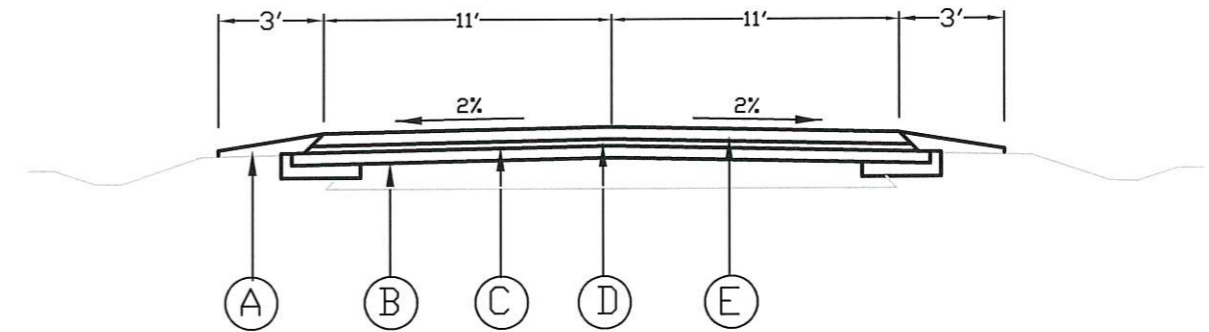
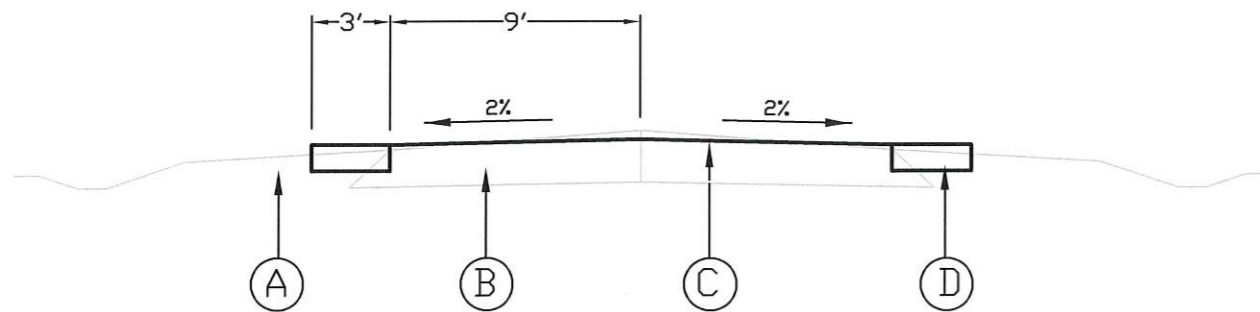
| ITEM | RATE |
|---|-------------------|
| HMA BINDER AND SURFACE COURSE | 112 LBS/IN/SQ YD |
| AGGREGATE WEDGE SHOULDER TY B | 2.05 TONS/ACU YD |
| BITUMINOUS MATERIAL TACK COAT (40600290) | .025 & .05 LBS/SF |
| BITUMINOUS MATERIAL PRIME COAT (40800025) | .05 LBS/SF |
| CIR-FDR EMULSIFIED ASPHALT (CIR 4.0") | 1.5 GAL/SY |
| CIR-FDR EMULSIFIED ASPHALT (CIR 5.0") | 1.85 GAL/SY |

| | | | | |
|---|-------------------|---|--------------------------|----------------|
|  | Drawn by AJM | Kenney Road (CH-21) | Contract # 95922 | |
| | Checked by AJM | Summary of Quantities & General Notes | Section # 20-00301-00-PV | |
| | Date 1/26/2022 | Macon County Highway - Engineering Division | TOTAL SHEETS 21 | SHEET NO. 3 |

EXISTING AND PROPOSED TYPICAL CROSS SECTION KENNEY ROAD

CH-21

0+00 to 7+97 28+00 to 89+00
 12+17 to 24+09 93+70 to 101+58
 106+20 to 113+42
 Omission 58+55 to 58+88.5



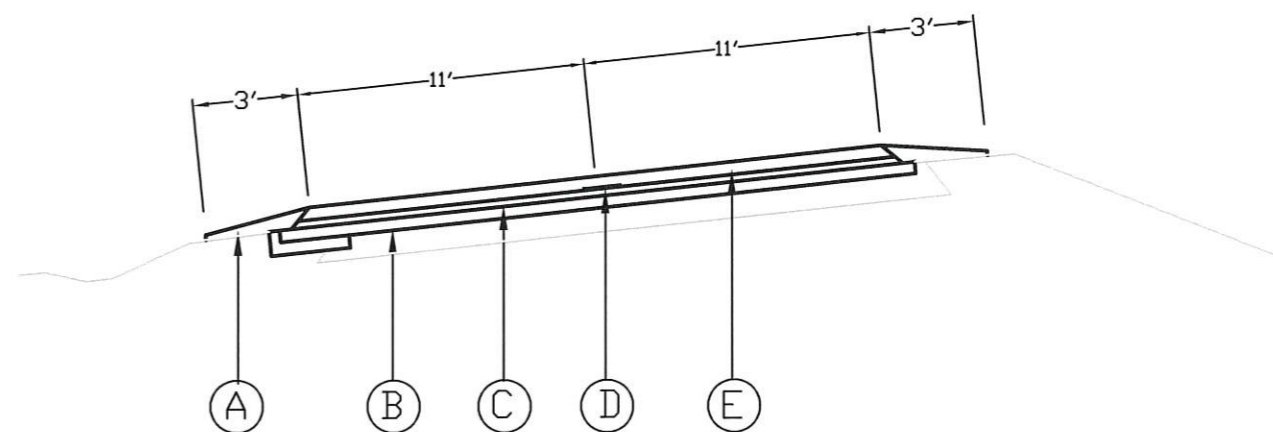
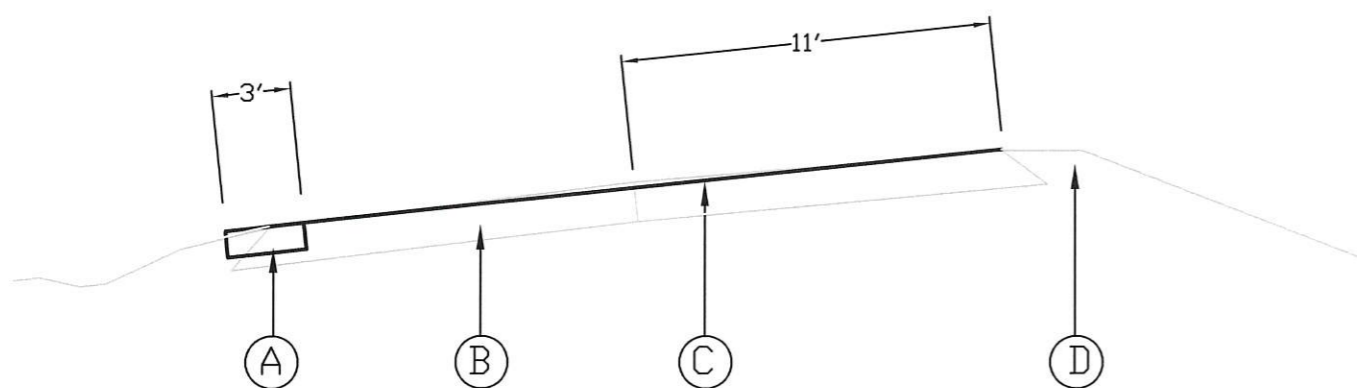
- (A) EXISTING SHOULDERS
- (B) EXISTING PAVEMENT, 8" AVERAGE, BITUMINOUS MIXTURE
- (C) PROPOSED PROFILE MILLING, 2" AT CL, 2% SLOPE
- (D) PROPOSED AGGREGATE BASE COURSE, 3' WIDE, 8" DEEP

- (A) PROPOSED AGGREGATE WEDGE SHOULDER
- (B) PROPOSED COLD IN-PLACE RECYCLING 4"
- (C) PROPOSED HMA BINDER COURSE, IL 9.5 FG N70 1.5"
- (D) PROPOSED LONGITUDINAL JOINT SEAL
- (E) PROPOSED HMA SURFACE COURSE, IL 9.5 "C" N70 2"

EXISTING AND PROPOSED TYPICAL CROSS SECTION KENNEY ROAD

CH-21

7+97 to 12+17 101+58 to 106+20



- (A) PROPOSED AGGREGATE BASE COURSE, 3' WIDE, 8" DEEP
- (B) EXISTING PAVEMENT, 8" AVERAGE, BITUMINOUS MIXTURE
- (C) PROPOSED PROFILE MILLING, See chart below.
- (D) EXISTING SHOULDERS

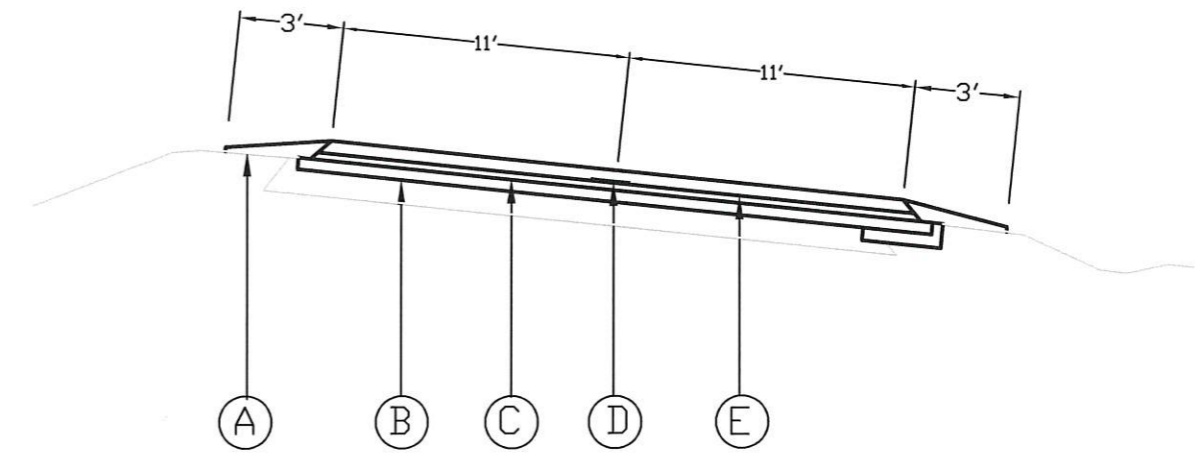
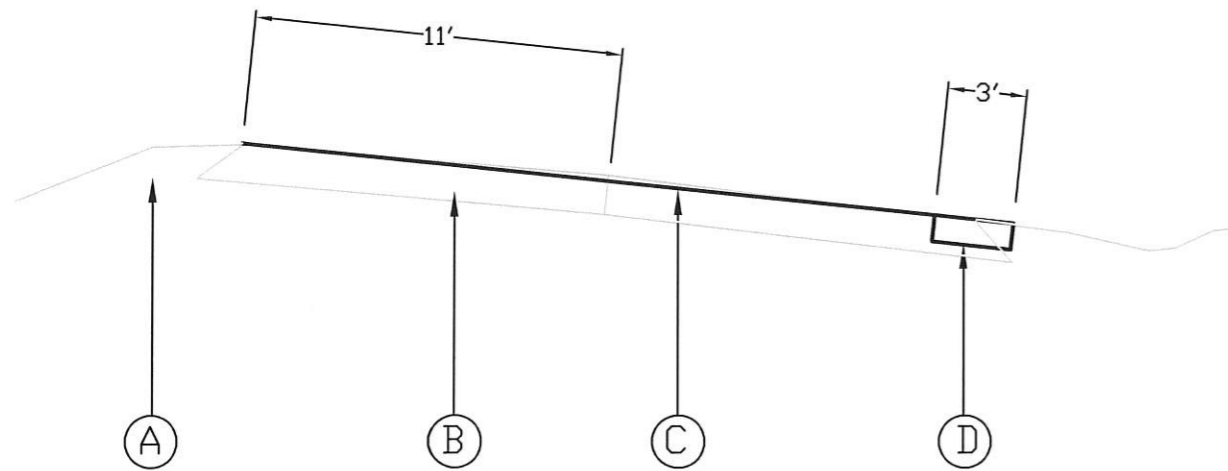
- (A) PROPOSED AGGREGATE WEDGE SHOULDER
- (B) PROPOSED COLD IN-PLACE RECYCLING 4"
- (C) PROPOSED HMA BINDER COURSE, IL 9.5 FG N70 1.5"
- (D) PROPOSED LONGITUDINAL JOINT SEAL
- (E) PROPOSED HMA SURFACE COURSE, IL 9.5 "C" N70 2"

| | | |
|------------------|--------------|-------------|
| 7+97 to 12+17 | 0" @ LT. EDP | 9.5 % Slope |
| 101+58 to 106+20 | 0" @ LT. EDP | 8.0 % Slope |

EXISTING AND PROPOSED TYPICAL CROSS SECTION KENNEY ROAD

CH-21

24+09 to 28+00 89+00 to 93+70



- (A) EXISTING SHOULDERS
- (B) EXISTING PAVEMENT, 8" AVERAGE, BITUMINOUS MIXTURE
- (C) PROPOSED PROFILE MILLING, See chart below.
- (D) PROPOSED AGGREGATE BASE COURSE, 3' WIDE, 8" DEEP

- (A) PROPOSED AGGREGATE WEDGE SHOULDER
- (B) PROPOSED COLD IN-PLACE RECYCLING 4"
- (C) PROPOSED HMA BINDER, COURSE IL 9.5 FG N70 1.5"
- (D) PROPOSED LONGITUDINAL JOINT SEAL
- (E) PROPOSED HMA SURFACE COURSE, IL 9.5 "C" N70 2"

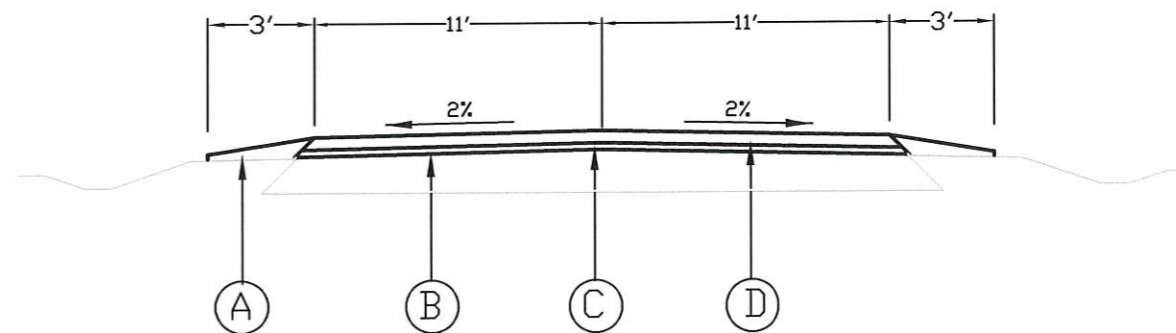
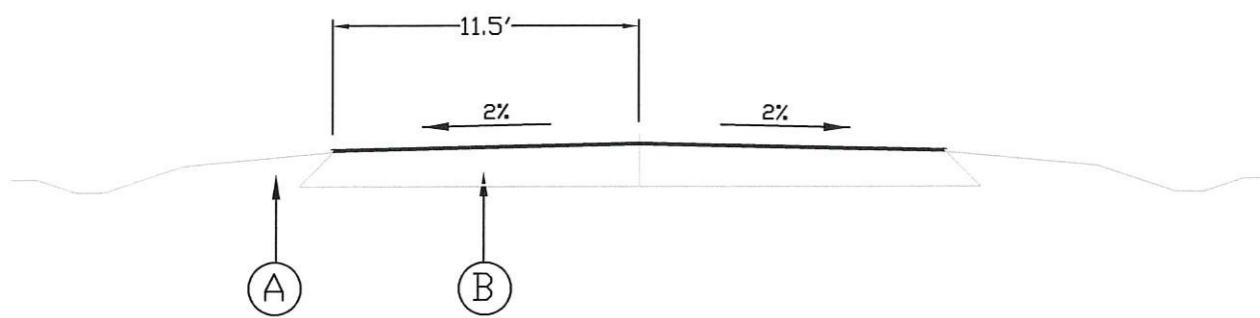
| | | |
|----------------|--------------|-------------|
| 24+09 to 28+00 | 0" @ LT. EOP | 9.0 % Slope |
| 89+00 to 93+70 | 0" @ LT. EOP | 8.5 % Slope |

EXISTING AND PROPOSED TYPICAL CROSS SECTION

KENNEY ROAD

CH-21

262+15 to 289+56
RR OMISSION 288+88.75 TO 288+97.25



- (A) EXISTING SHOULDERS
- (B) EXISTING PAVEMENT, 8" AVERAGE, BITUMINOUS MIXTURE

- (A) PROPOSED AGGREGATE WEDGE SHOULDER
- (B) PROPOSED HMA BINDER COURSE, IL 9.5 FG N70 1.5"
- (C) PROPOSED LONGITUDINAL JOINT SEAL
- (D) PROPOSED HMA SURFACE COURSE, IL 9.5 "C" N70 2"

| | | | | | |
|--|-------------|---------|---|--------------------------|-----------|
| | Designed by | AJM | Kenney Road (C.H. 21) | Contract # 95922 | |
| | Checked by | AJM | Typical Cross Sections | Section # 20-00301-00-PV | |
| | Date | 1-27-22 | Macon County Highway - Engineering Division | TOTAL SHEETS | SHEET NO. |
| | | | | 21 | 7 |

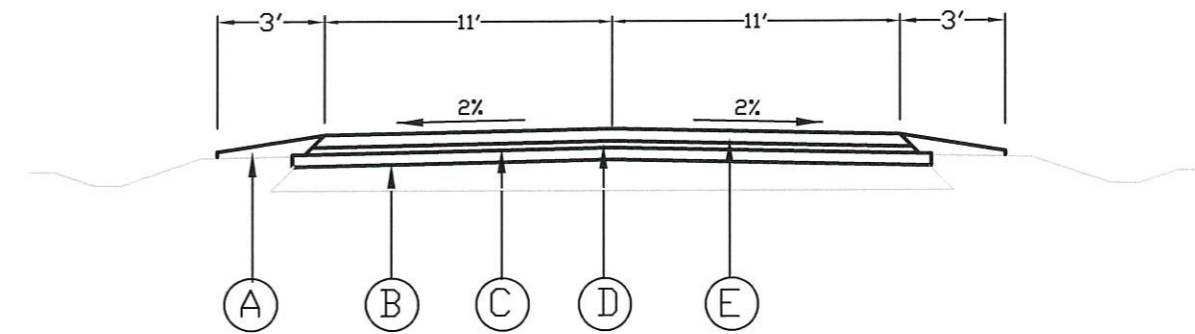
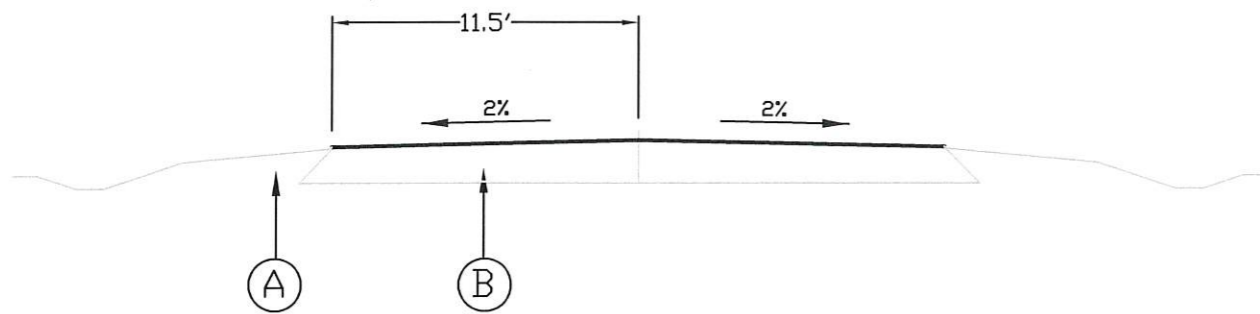
EXISTING AND PROPOSED TYPICAL CROSS SECTION KENNEY ROAD

CH-21

113+42 to 262+15

□ Mission 162+14.5 to 162+39.5 (for HMA Binder and Cold In-Place Recycling only)

□ Mission 172+35.5 to 172+54.5 (for HMA Binder and Cold In-Place Recycling only)



- (A) EXISTING SHOULDERS
- (B) EXISTING PAVEMENT, 8" AVERAGE, BITUMINOUS MIXTURE

- (A) PROPOSED AGGREGATE WEDGE SHOULDER
- (B) PROPOSED COLD IN-PLACE RECYCLING 5" w/ 1" ADD ROCK
- (C) PROPOSED HMA BINDER COURSE, IL 9.5 FG N70 1.5"
- (D) PROPOSED LONGITUDINAL JOINT SEAL
- (E) PROPOSED HMA SURFACE COURSE, IL 9.5 "C" N70 2"

| | | | | |
|------|------------|---|------------------------|------------------------------|
| | Design by | AJM | Kenney Road (C.H. 21) | Contract # 95922 |
| | CAD by | AJM | Typical Cross Sections | Section # 20-00301-00-PV |
| | Checked by | | | |
| Date | 1-27-22 | Macon County Highway - Engineering Division | | TOTAL SHEETS: 21 SHEET NO: 8 |

PAVEMENT MARKING SCHEDULE

| BEGIN STATION | END STATION | OFFSET | THERMOPLASTIC PAVEMENT MARKING LINE 24" | THERMOPLASTIC PAVEMENT MARKING LETTER & SYMBOL | PAINT PVT MK LINE 4" WHITE | PAINT PVT MK LINE 4" YELLOW | NOTES |
|---------------|-------------|-----------|---|--|----------------------------|-----------------------------|---------------------|
| | | | FOOT | SQ FT | FOOT | FOOT | |
| 261+78 | 289+61 | LT. & RT. | | | 5566 | | EDGE LINES WHITE |
| 0+00 | 289+61 | CENTER | | | | 7240 | SKIP DASH YELLOW |
| 159+58 | 165+09 | CENTER | | | | 551 | SINGLE SOLID YELLOW |
| 167+71 | 172+69 | CENTER | | | | 498 | SINGLE SOLID YELLOW |
| 281+09 | 289+41 | CENTER | | | | 832 | SINGLE SOLID YELLOW |
| 262+15 | | RT. | 11 | | | | STOP BAR WHITE |
| 281+19 | | RT. | 11 | | | | STOP BAR WHITE, RR |
| 281+69 | | RT. | 11 | | | | STOP BAR WHITE, RR |
| 288+85 | | RT. | 11 | | | | STOP BAR WHITE, RR |
| 281+44 | | RT. | | 61.2 | | | "R" & 2- X's, WHITE |
| 289+41 | | RT. | 28 | | | | STOP BAR WHITE |
| TOTALS | | | 72 | 61.2 | 5566 | 9121 | |
| 14687 | | | | | | | |

| BEGIN STATION | END STATION | OFFSET | AGG BASE COURSE TYPE B, 8" | HMA SURFACE REMOVAL BUTT JOINT |
|---------------|-------------|-----------|----------------------------|--------------------------------|
| | | | SQ YD | SQ YD |
| 0+00 | 7+97 | RT. | 265.8 | |
| 12+17 | 58+08 | RT. | 1530.4 | |
| 0+00 | 24+09 | LT. | 803 | |
| 28+00 | 58+08 | LT. | 1002.8 | |
| 58+41 | 101+58 | RT. | 1439 | |
| 106+20 | 113+42 | RT. | 240.8 | |
| 58+41 | 89+00 | LT. | 1019.8 | |
| 93+70 | 113+42 | LT. | 657.4 | |
| 0+00 | 289+61 | CENTER | | |
| 0+00 | 0+75 | RT. & LT. | | 191.6 |
| 57+80 | 58+55 | RT. & LT. | | 191.6 |
| 58+88.5 | 59+63.5 | RT. & LT. | | 191.6 |
| 161+72 | 162+22 | RT. & LT. | | 127.8 |
| 162+32 | 162+82 | RT. & LT. | | 127.8 |
| 171+85.5 | 172+35.5 | RT. & LT. | | 127.8 |
| 172+43.5 | 173+04.5 | RT. & LT. | | 127.8 |
| 288+73.5 | 288+88.8 | RT. & LT. | | 51 |
| 288+97 | 289+12 | RT. & LT. | | 58 |
| 289+43 | 289+61 | RT. & LT. | | 155 |
| TOTALS | | | 6959 | 1350 |

PAVEMENT SCHEDULE

| BEGIN STATION | END STATION | OFFSET | HMA BINDER COURSE IL-9.5 FG,N70 | HMA SURFACE COURSE IL-9.5 C N70 | LONGITUDINAL JOINT SEAL | AGGREGATE WEDGE SHLDR TYPE B | CIR-FDR EMULSIFIED ASPHALT | COLD IN-PLACE RECYCLE 4.0 " | COLD IN-PLACE RECYCLE 5.0 " | SURFACE PROFILE MILLING | ADD ROCK | TEMPORARY RAMP |
|---------------|-------------|-----------|---------------------------------|---------------------------------|-------------------------|------------------------------|----------------------------|-----------------------------|-----------------------------|-------------------------|----------|----------------|
| | | | TON | TON | FOOT | TON | GALLON | SQ YD | SQ YD | SQ YD | SQ YD | SQ YD |
| 0+00 | 0+07 | LT. & RT. | | | | | | | | | | 16.6 |
| 0+00 | 58+55 | LT. & RT. | | 1603 | | 802 | 22445 | 14963 | | | | |
| 0+40 | 58+05 | LT. & RT. | 1185 | | 5765.5 | | | | | | | |
| 0+75 | 57+80 | LT. & RT. | | | | | | | | 11410 | | |
| 58+47.25 | 58+54.25 | LT. & RT. | | | | | | | | | | 16.6 |
| 58+89.75 | 58+96.75 | LT. & RT. | | | | | | | | | | 16.6 |
| 58+88.5 | 113+42 | LT. & RT. | | 1493 | | 747 | 20906 | 13937 | | | | |
| 113+42 | 162+14.5 | LT. & RT. | | | | | 23036 | | 12452 | | 12452 | |
| 162+39.5 | 172+35.5 | LT. & RT. | | | | | 4708 | | 2545 | | 2545 | |
| 172+54.5 | 262+15 | LT. & RT. | | | | | 42363 | | 22899 | | 22899 | |
| 113+42 | 288+88.5 | LT. & RT. | | 4804 | | 2291 | | | | | | |
| 59+38.5 | 162+14.5 | LT. & RT. | 2110 | | 10283.5 | | | | | | | |
| 59+63 | 113+42 | LT. & RT. | | | | | | | | 10758 | | |
| 162+32 | 172+35.5 | LT. & RT. | 205 | | 1003.5 | | | | | | | |
| 172+54.5 | 288+81 | LT. & RT. | 2388 | | 11626.5 | | | | | | | |
| 288+81.75 | 288+88.75 | LT. & RT. | | | | | | | | | | 16.6 |
| 288+97.25 | 289+04.25 | LT. & RT. | | | | | | | | | | 16.6 |
| 288+97 | 289+61 | LT. & RT. | | 35 | | 8 | | | | | | |
| 289+54 | 289+61 | LT. & RT. | | | | | | | | | | 30.2 |
| TOTALS | | | 5888 | 7935 | 28679 | 3848 | 113458 | 28900 | 37896 | 22168 | 37896 | 113.2 |



| | | | |
|-------------|-----------|---|--------------------------------|
| Design By: | AJM | Kenney Road, CH-21 | Contract # 95922 |
| CAD By: | AJM | Pavement and Pavement | Section # 20-00301-00-PV |
| Checked By: | | Marking Schedules | |
| Date: | 2/16/2022 | Macon County Highway - Engineering Division | TOTAL SHEETS: 21, SHEET NO.: 9 |

CH-21 INCIDENTAL RESURFACING SCHEDULE

| ENTRANCE TYPE | | STATION | | WIDTH at back | WIDTH at EOP | Length | ADJUST MAILBOX | HMA Area SQ YD | HMA SURFACE REMOVAL SPL SQ YD | INCIDENTAL HMA SURFACE TON | AGG SURF COURSE TY B TON |
|---------------|-----|---------|--------|---------------|--------------|--------|----------------|----------------|-------------------------------|----------------------------|--------------------------|
| Kenney Rd. | BIT | RT | 8+65 | 13 | 13 | | | 96.1 | 21.7 | 16.1 | |
| Damon Rd. | BIT | RT | 11+66 | 12 | 12 | | | 84.7 | 20.0 | 14.2 | |
| FE | | RT | 30+09 | 37 | 45 | 4 | | 18.2 | | 3.1 | |
| PE | AGG | LT | 34+86 | 19 | 38 | 10 | | 31.7 | | 5.3 | 1.0 |
| FE | | LT | 39+02 | 90 | 98 | 4 | | 41.8 | | 7.0 | |
| FE | | RT | 45+55 | 45 | 53 | 4 | | 21.8 | | 3.7 | |
| FE | | LT | 56+79 | 60 | 68 | 4 | | 28.4 | | 4.8 | |
| FE | | RT | 65+30 | 37 | 45 | 4 | | 18.2 | | 3.1 | |
| FE | | LT | 65+58 | 45 | 53 | 4 | | 21.8 | | 3.7 | |
| MBTO | | LT | 66+06 | | | 5 | 2' | 0.0 | | 2.5 | |
| PE | AGG | LT | 66+36 | 24 | 39 | 10 | | 35.0 | | 5.9 | 1.0 |
| FE | AGG | LT | 69+47 | 60 | 68 | 4 | | 28.4 | | 4.8 | 1.0 |
| PE | BIT | RT | 75+19 | 20 | 38 | 10 | | 32.2 | 15.6 | 5.4 | |
| MBTO | | RT | 76+58 | | | 5 | 4' | 0.0 | | 2.5 | |
| CE | AGG | RT | 77+06 | 40 | 60 | 10 | | 55.6 | | | 1.0 |
| CE | AGG | RT | 79+26 | 45 | 60 | 10 | | 58.3 | | | 1.0 |
| FE | | RT | 83+95 | 37 | 45 | 4 | | 18.2 | | 3.1 | |
| Kenney Rd. | BIT | LT | 89+45 | 13 | 13 | | | 83.3 | 21.7 | 14.0 | |
| Shetland Rd. | BIT | LT | 93+01 | 12 | 12 | | | 89.3 | 20 | 15.0 | |
| Shetland Rd. | BIT | RT | 102+16 | 13 | 13 | | | 106.2 | 21.7 | 17.8 | |
| Kenney Rd. | BIT | RT | 105+75 | | | | | 104.7 | 21.7 | 17.6 | |
| PE | BIT | LT | 124+55 | 27 | 37 | 10 | | 35.6 | 21.0 | 6.0 | |
| FE | | RT | 129+50 | 20 | 28 | 4 | | 10.7 | | 1.8 | |
| PE | BIT | LT | 129+58 | 25 | 38 | 10 | | 35.0 | 19.4 | 5.9 | |
| MBTO | | LT | 129+88 | | | 5 | 1.5' | | | 2.5 | |
| PE | AGG | RT | 132+23 | 17 | 30 | 10 | | 26.1 | | 4.4 | 1.0 |
| MBTO | | RT | 132+45 | | | 5 | 3' | | | 2.5 | |
| PE | AGG | RT | 133+91 | 20 | 32 | 10 | | 28.9 | | 4.9 | 1.0 |
| FE | | RT | 136+00 | 37 | 45 | 4 | | 18.2 | | 3.1 | |
| Totals | | | | | | | | | 182.8 | 180.7 | 7.0 |

| ENTRANCE TYPE | | STATION | | WIDTH at back | WIDTH at EOP | Length | ADJUST MAILBOX | HMA Area SQ YD | HMA SURFACE REMOVAL SPL SQ YD | INCIDENTAL HMA SURFACE TON | AGG SURF COURSE TY B TON |
|----------------|-----|---------|--------|---------------|--------------|--------|----------------|----------------|-------------------------------|----------------------------|--------------------------|
| FE | | LT | 142+72 | 37 | 45 | 4 | | 18.2 | | 3.1 | |
| MBTO | | LT | 149+93 | | | 5 | 1.5' | | | 2.5 | |
| PE | BIT | LT | 150+22 | 24 | 36 | 10 | | 33.3 | 18.7 | 5.6 | |
| Park Road | BIT | RT | 156+10 | 20 | 55 | 20 | | 83.3 | 16.7 | 14.0 | |
| Park Road | BIT | LT | 156+10 | 24 | 61 | 30 | | 141.7 | 19.4 | 23.8 | |
| MBTO | | LT | 164+59 | | | 5 | | | | 2.5 | |
| PE | AGG | RT | 164+82 | 20 | 32 | 10 | | 28.9 | | 4.9 | 1.0 |
| PE | BIT | LT | 172+93 | 13 | 21 | 10 | | 18.9 | 10.1 | 3.2 | |
| PE | BIT | LT | 177+12 | 16 | 31 | 10 | | 26.1 | 12.4 | 4.4 | |
| PE | AGG | LT | 177+43 | 16 | 31 | 10 | | 26.1 | | 4.4 | 1.0 |
| PE | AGG | LT | 178+92 | 16 | 31 | 10 | | 26.1 | | 4.4 | 1.0 |
| PE | BIT | LT | 179+54 | 16 | 33 | 10 | | 27.2 | 12.6 | 4.6 | |
| FE | | RT | 180+97 | 87 | 95 | 4 | | 40.4 | | 6.8 | |
| MBTO | | RT | 182+16 | | | 5 | | | | 2.5 | |
| PE | AGG | RT | 182+29 | 17 | 25 | 10 | | 23.3 | | 3.9 | 1.0 |
| FE | | LT | 182+29 | 50 | 58 | 4 | | 24.0 | | 4.0 | |
| PE | AGG | RT | 188+82 | 15 | 26 | 10 | | 22.8 | | 3.8 | 1.0 |
| MBTO | | RT | 188+99 | | | 5 | 2' | | | 2.5 | |
| Hackney Rd. | BIT | RT | 208+91 | 19 | 47 | 20 | | 73.3 | 15.9 | 12.3 | |
| Hackney Rd. | AGG | LT | 208+91 | 20 | 43 | 15 | | 52.5 | | 8.8 | 1.0 |
| FE | | RT | 221+77 | 34 | 42 | 4 | | 16.9 | | 2.8 | |
| FE | | LT | 223+69 | 30 | 38 | 4 | | 15.1 | | 2.5 | |
| PE | AGG | LT | 224+28 | 16 | 29 | 10 | | 25.0 | | 4.2 | 1.0 |
| MBTO | | LT | 224+47 | | | 5 | | | | 2.5 | |
| FE | AGG | RT | 244+08 | 45 | 53 | 4 | | 21.8 | | 3.7 | 1.0 |
| MBTO | | LT | 252+44 | | | 10 | | | | 0.0 | |
| PE | AGG | LT | 252+55 | 22 | 34 | 10 | | 31.1 | | 5.1 | 1.0 |
| Illiniwick Rd. | BIT | RT | 262+15 | 22 | 70 | 30 | | 153.3 | 18.7 | 25.8 | |
| Illiniwick Rd. | BIT | LT | 262+15 | 19 | 51 | 20 | | 77.8 | 16.7 | 13.1 | |
| Totals | | | | | | | | | 141.2 | 181.7 | 9.0 |

| | | | |
|--------------|-------|-------|------|
| GRAND TOTALS | 324.0 | 362.4 | 16.0 |
|--------------|-------|-------|------|

* AGGREGATE SHOULDER material shall be used behind the FIELD ENTRANCE and MBTO's to eliminate the drop off.
MBTO, Mailbox Turnouts according to Standard B.L.R. 24-2

| STA. to STA. | EARTH EXCAVATION CU YD | EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE CU YD | EMBANKMENT CU YD | FURNISHED EXCAVATION CU YD | TEMPORARY DITCH CHECKS FOOT |
|--------------------|------------------------|---|------------------|----------------------------|-----------------------------|
| RT. 12+25 to 17+00 | 21.4 | 16.1 | 165 | 149 | 48 |
| RT. 58+85 TO 63+50 | 11.5 | 8.6 | 192.5 | 183.9 | 48 |
| RT. 79+85 TO 85+50 | 50.1 | 37.6 | 104.7 | 67.1 | 48 |
| | 83 | | | 400 | 144 |

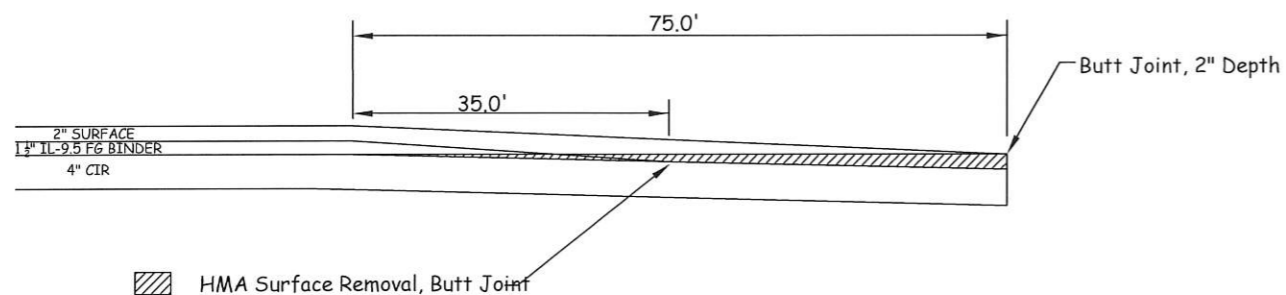
| STATION | ROW PROPERTY CORNERS | STATION | MAILBOX REMOVE & REPLACE |
|------------|----------------------|------------|--------------------------|
| | EACH | | EACH |
| LT. 33+81 | 1 | LT. 66+06 | 1 |
| LT. 36+46 | 1 | RT. 76+58 | 1 |
| CL. 38+73 | 1 | LT. 129+88 | 1 |
| LT. 69+18 | 1 | RT. 132+45 | 1 |
| LT. 156+05 | 1 | LT. 149+93 | 1 |
| RT. 182+41 | 1 | RT. 188+99 | 1 |
| CL. 208+90 | 1 | TOTAL | 6 |
| CL. 235+25 | 1 | | |
| TOTAL | 8 | | |



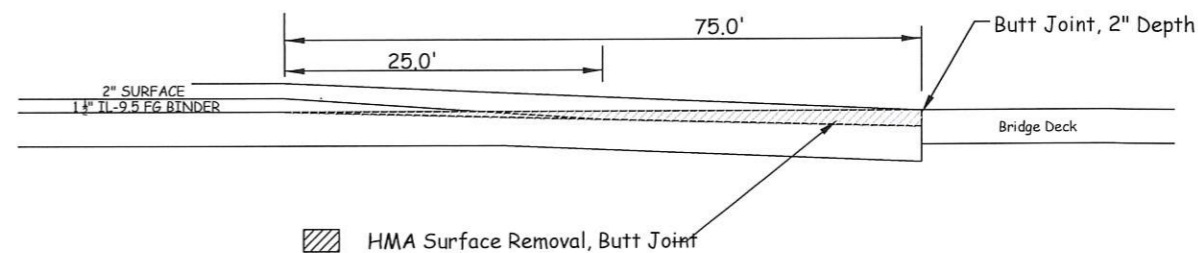
| | | |
|-----------------------|---|--------------------------|
| Design By: AJM | Kenney Road, CH-21 | Contract # 95922 |
| CAD By: AJM | Incidental Surfacing and | Section # 20-00301-00-PV |
| Checked By: | Earthwork Schedules | TOTAL SHEETS |
| Date: 1/22/2022 | Macon County Highway - Engineering Division | 21 / 10 |

HMA Surface Removal, Butt Joint Detail

CH-21 Sta. 0+00 to 0+75

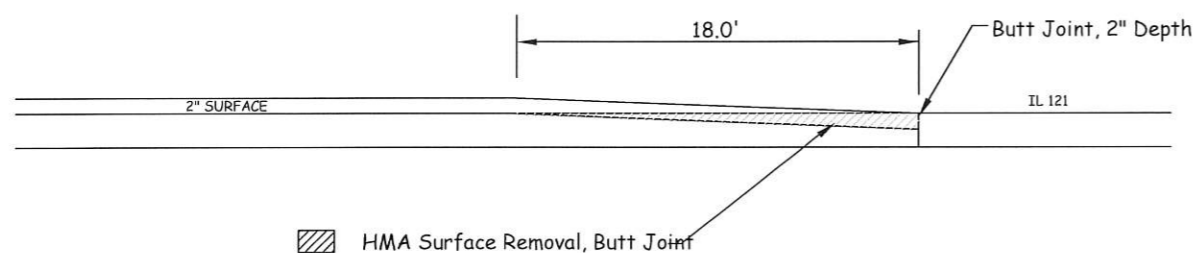


At Structures
Sta. 58+72

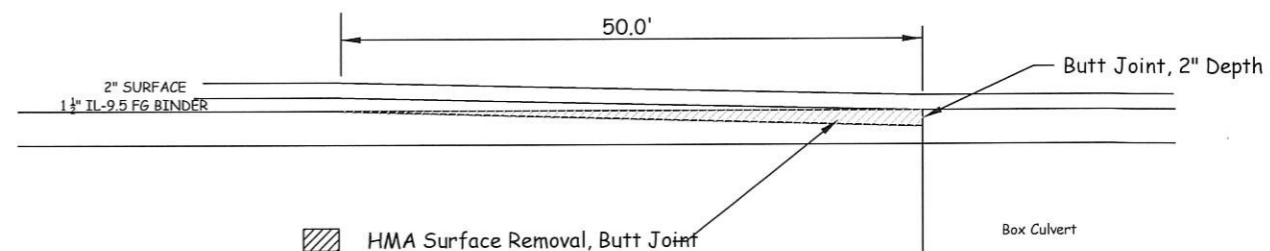


Sta. 57+80 to 58+55
Sta. 58+88.5 to 59+63.5

CH-21 Sta. 289+43 to 289+61



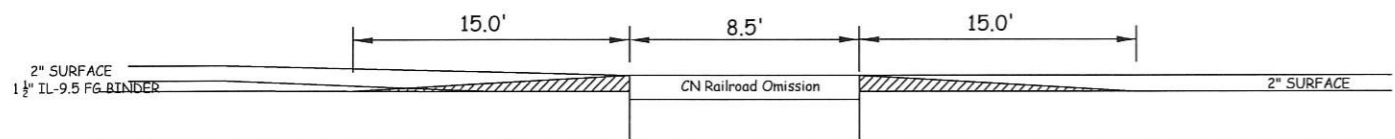
At Structures
Sta. 162+27
Sta. 172+45



Sta. 161+72 to 162+22
Sta. 162+32 to 162+82
Sta. 171+85.5 to 172+35.5
Sta. 172+54.5 to 173+04.5

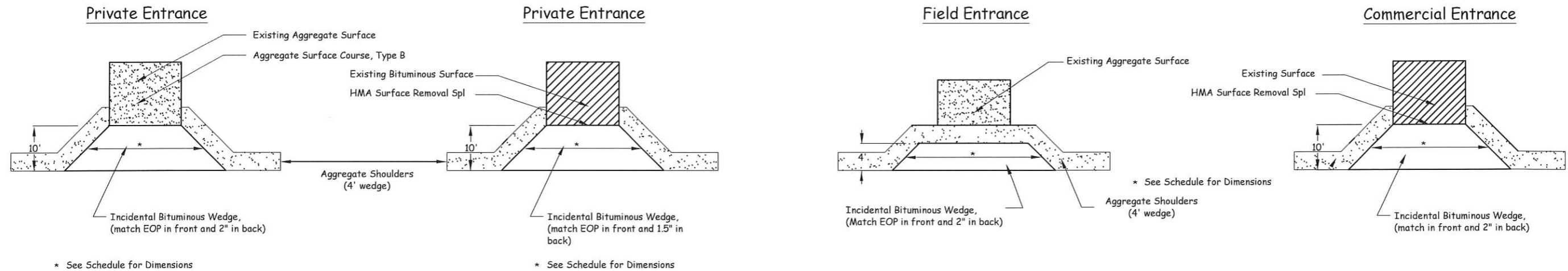
CN Railroad Omission
Sta. 288+88.5 to 288+97

Sta. 288+73.5 to 288+88.5
Sta. 288+97 to 289+12



| | |
|---|----------------|
| CH 21, Kenney Road | Design by: AJM |
| Section 20-00301-00-PV Contract # 95922 | CAD by: AJM |
| HMA Surface Removal Butt Joint Detail | Date: 11-18-21 |
| Macon County Highway - Engineering Division | Sheet // |

Typical Entrance Detail

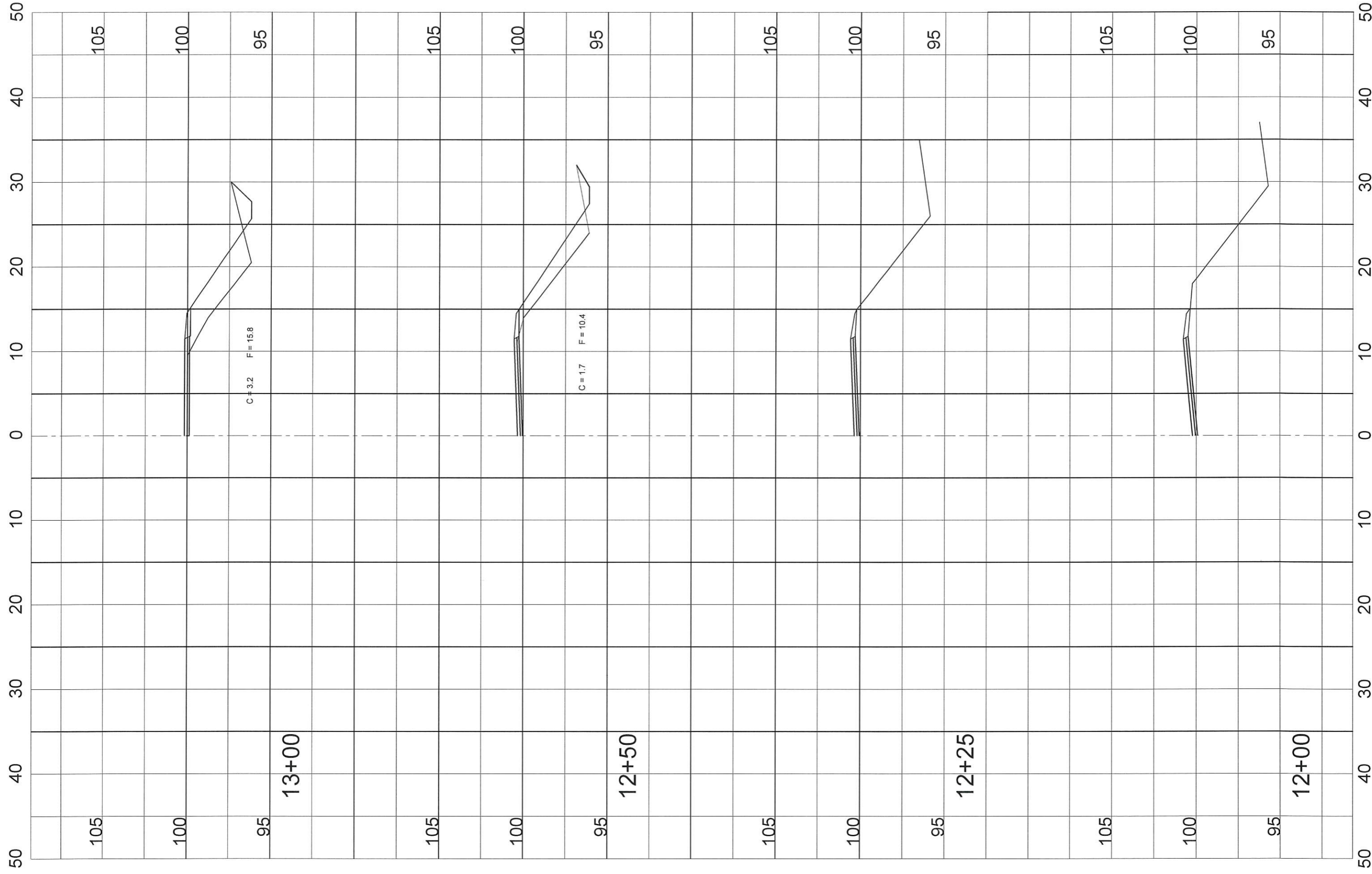


Note: Before bituminous prime coat, all entrances shall be cleaned to the satisfaction of the engineer. The contractor shall make an assertive effort to accomplish this task, which shall be paid incidental to bituminous prime coat.

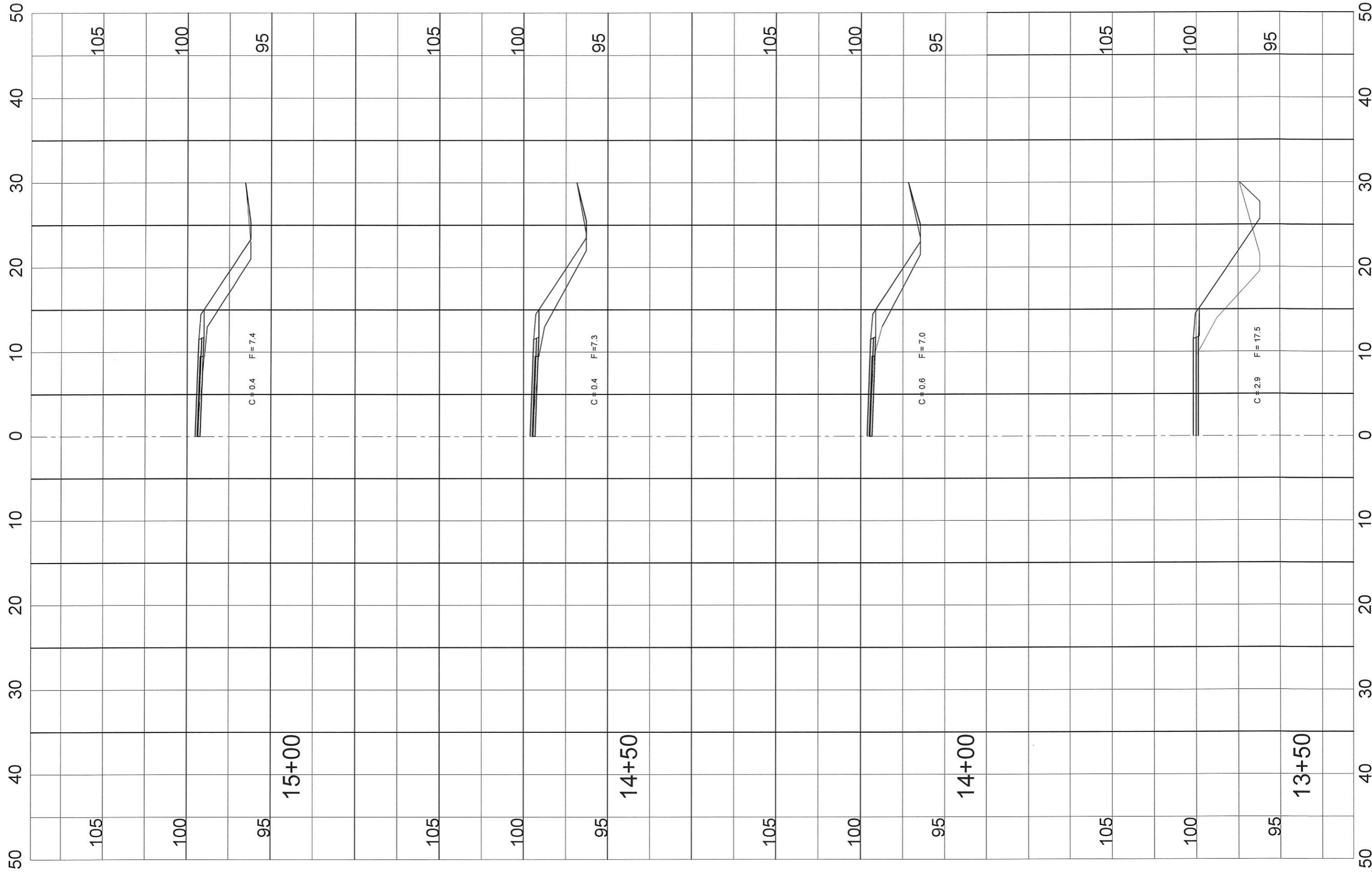
Note: If bituminous wedge is placed on an existing bituminous surface, then HMA Surface Removal (Special) will be used to cut a butt joint. If wedge is placed on an existing aggregate surface, then any necessary surface preparation shall not be measured for payment, but shall be included in the cost of HMA Surface Removal (Special)

| | | | | | |
|--|------------|---------|---|--------------------------|-----------|
| | Design by | AJM | Kenney Road (C.H. 21) | Contract # 95922 | |
| | CAD by | AJM | Butt Joint and Entrance Details | Section # 20-00301-00-PV | |
| | Checked by | | | TOTAL SHEETS | SHEET NO. |
| | Date | 1-26-22 | Macon County Highway - Engineering Division | 21 | 12 |

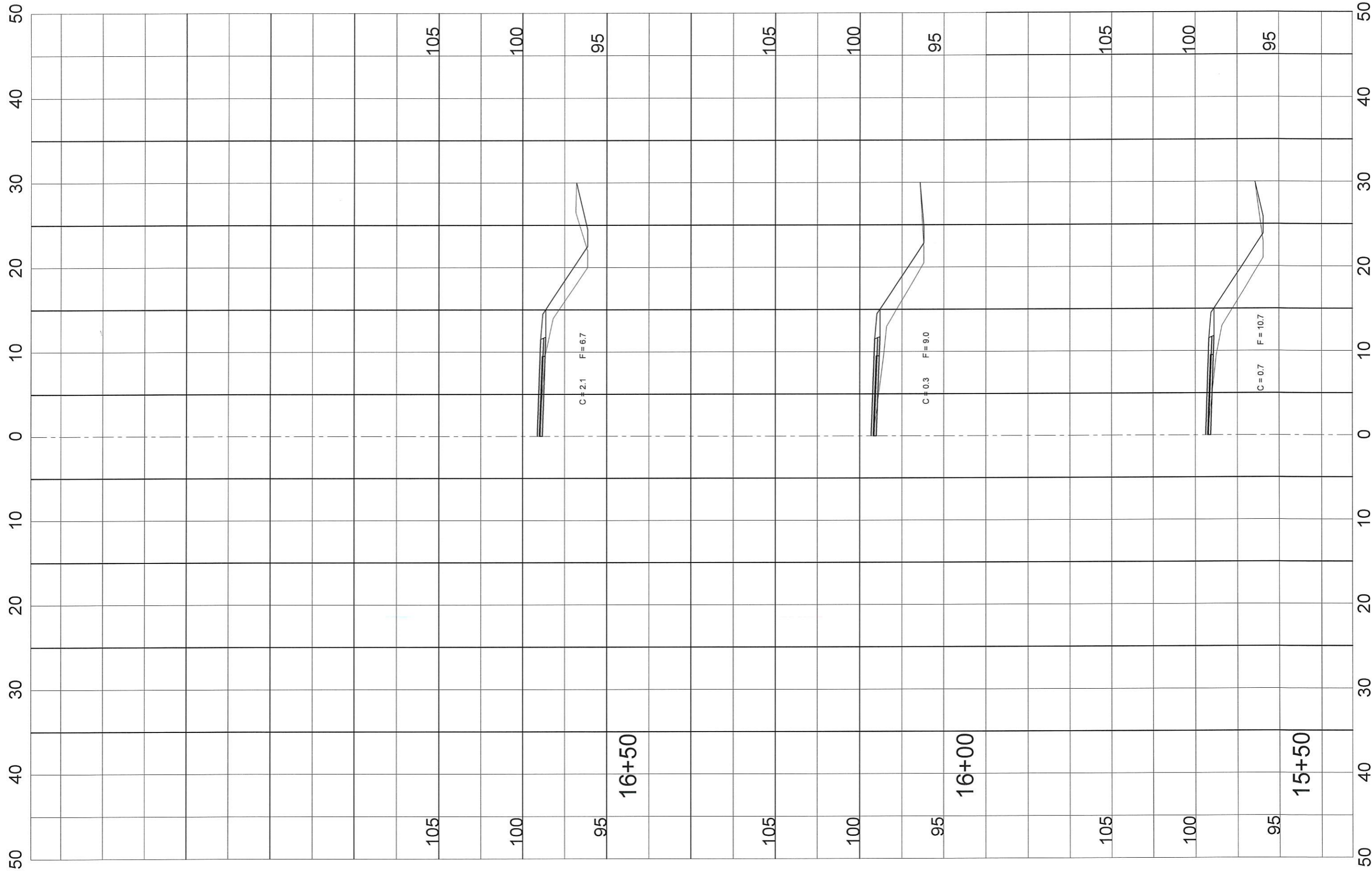
CH-21 CIR



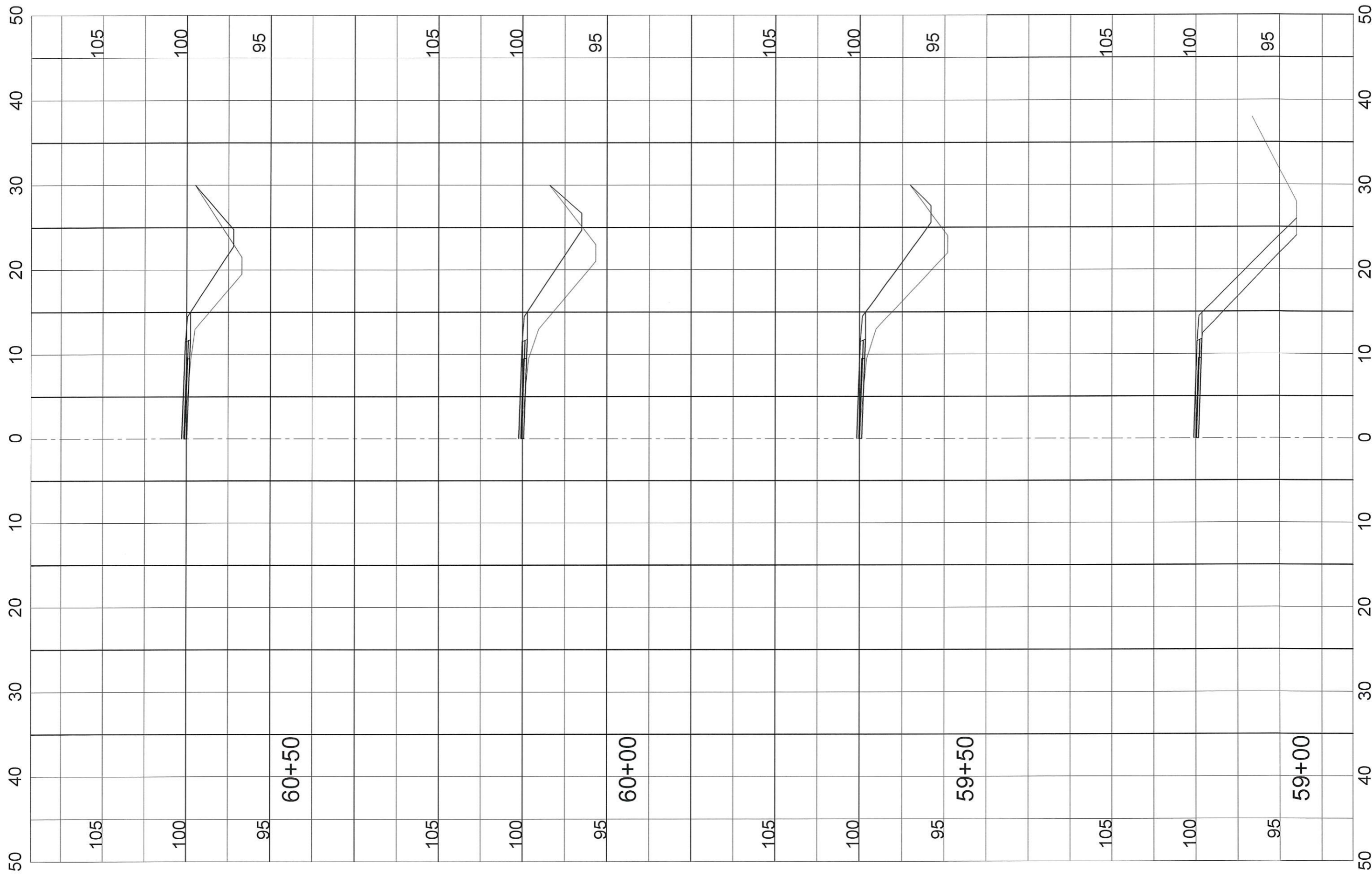
CH-21 CIR



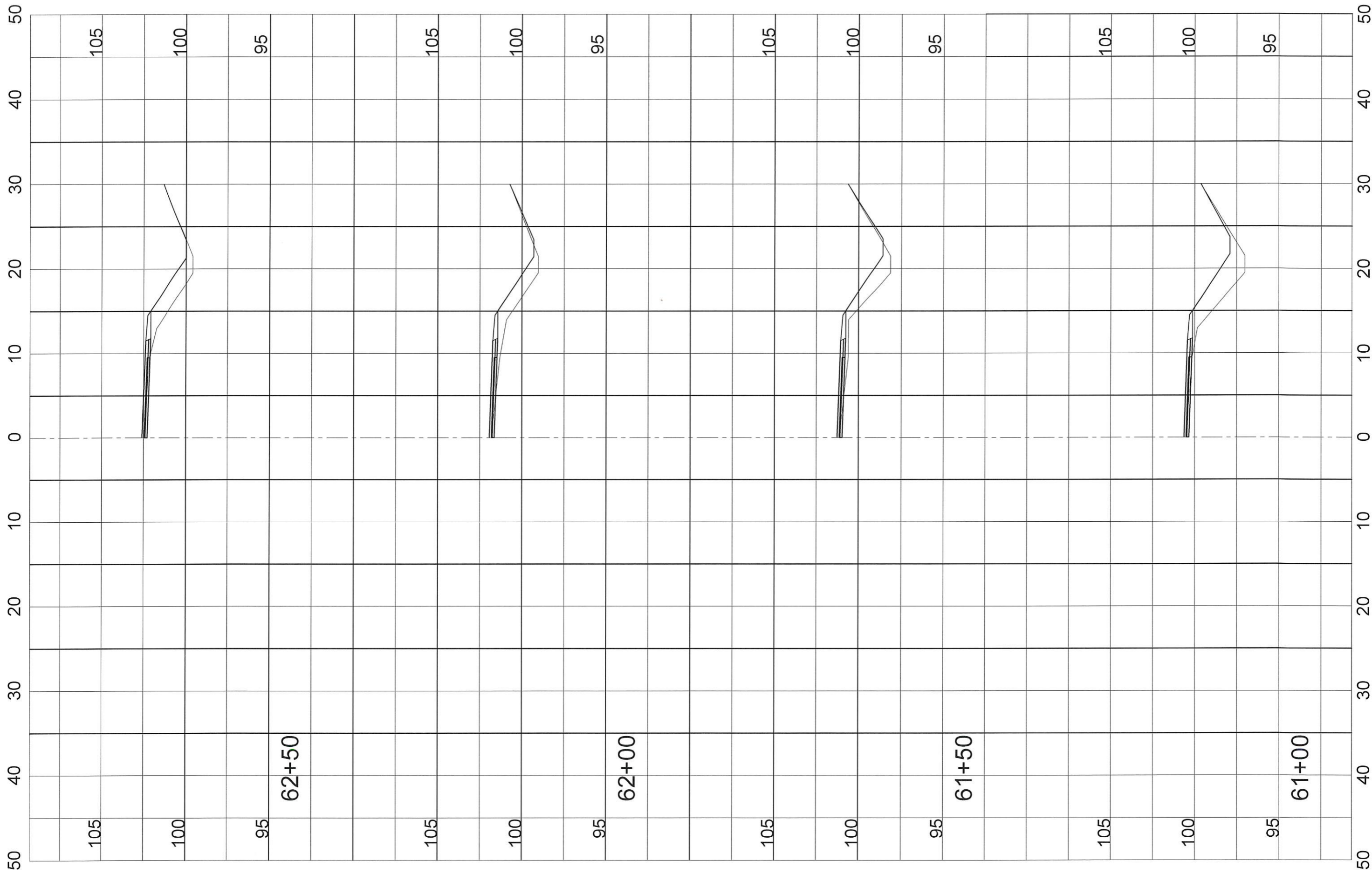
CH-21 CIR



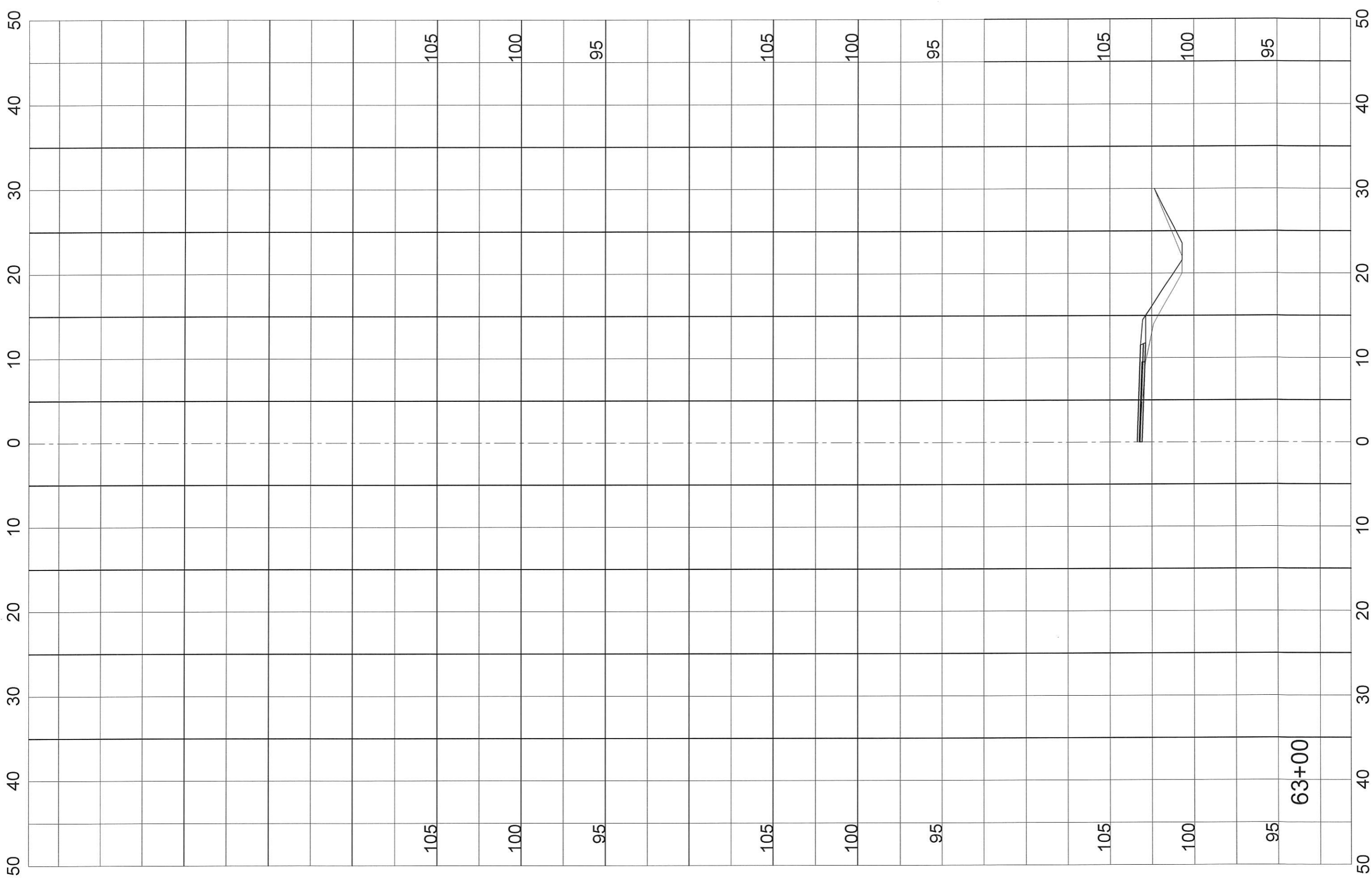
CH-21 CIR



CH-21 CIR

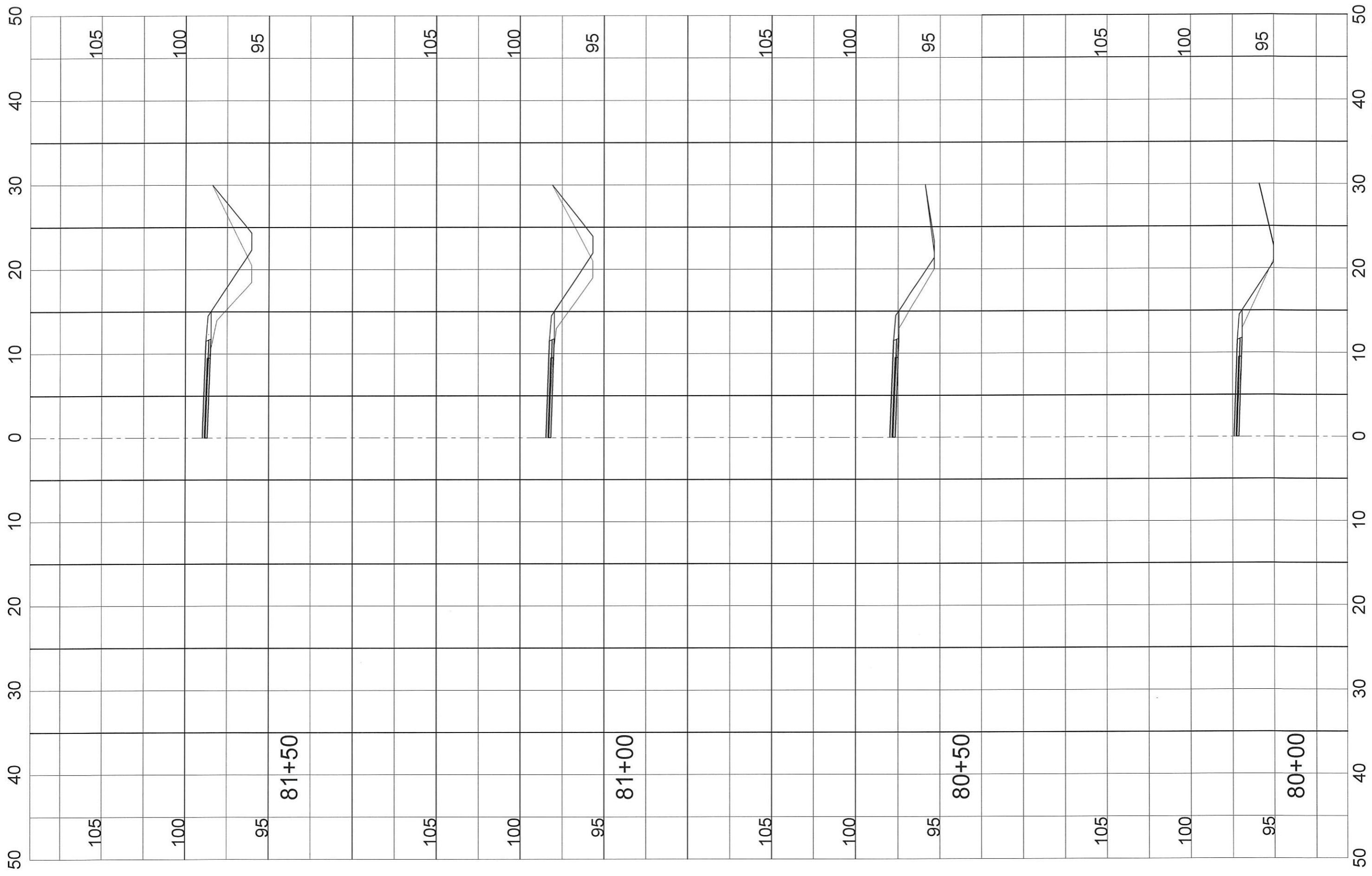


CH-21 CIR

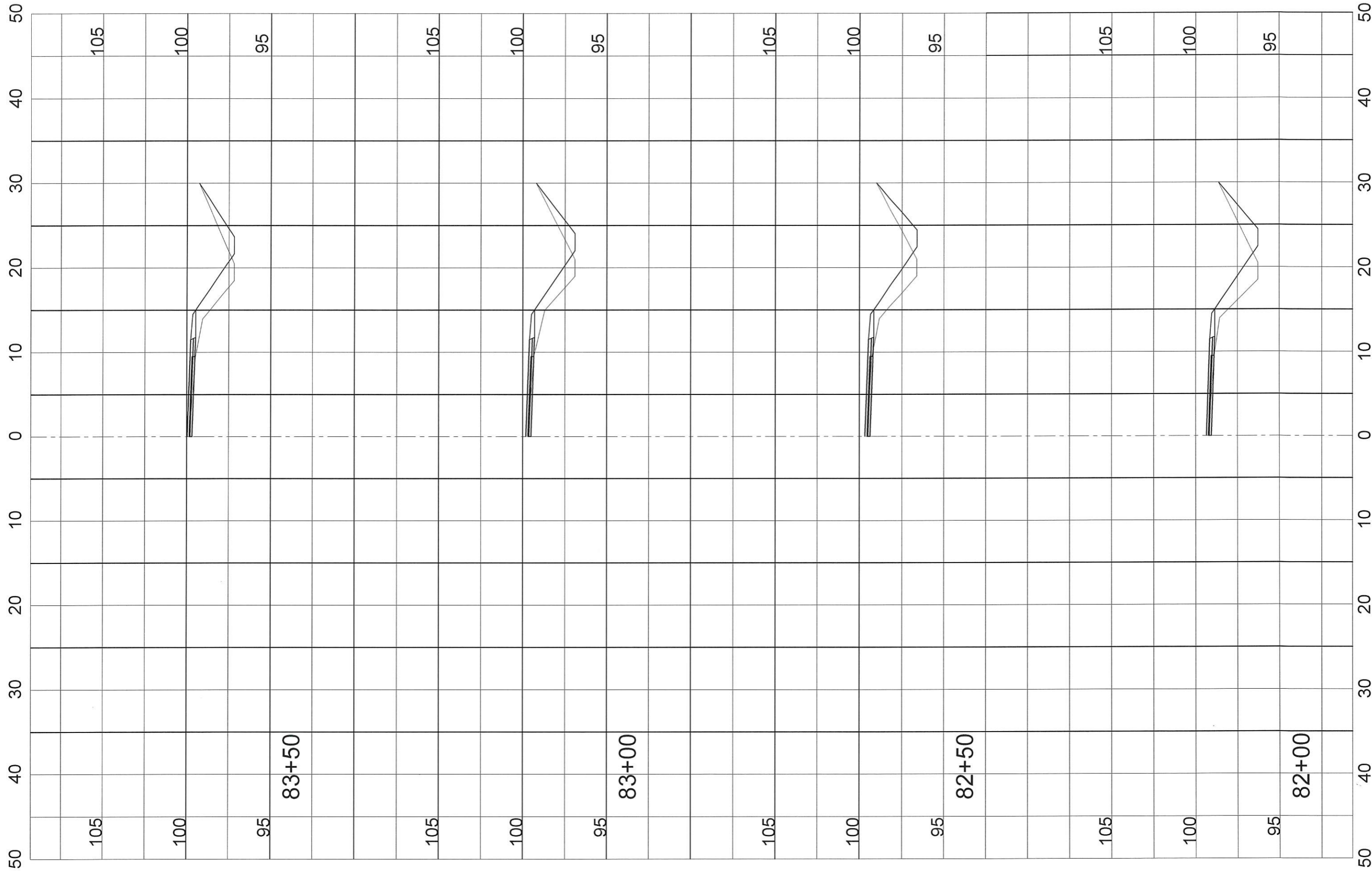


63+00

CH-21 CIR



CH-21 CIR



CH-21 CIR

