

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



CHELSEA  
KENNEBEC COUNTY

ROUTE 17/WINDSOR ROAD

FEDERAL PROJECT NO. 2628400

PROJECT LENGTH: 0.23 MILES

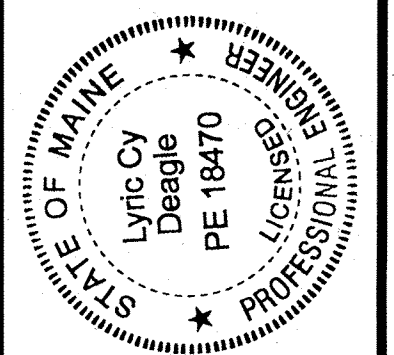
PLAN LEGEND

|                            |            |                             |          |          |
|----------------------------|------------|-----------------------------|----------|----------|
| Town, County, State        | _____      | Catch Basins                | Existing | Proposed |
| Property Lines             | -----      | Manholes                    | Existing | Proposed |
| R/W Lines-Existing         | -----      | Proposed Underdrain         | -----    |          |
| R/W Lines-Proposed         | -----      | Proposed Ditch              | -----    |          |
| Culvert-Existing           | -----      | Existing Ditch              | -----    |          |
| Culvert Proposed           | -----      | Utility Poles               | Existing | Proposed |
| Curbing                    | Existing   | Fire Hydrants               | Existing | Proposed |
| Type 1                     | -----      | Existing Water Line         | -----    |          |
| Type 3                     | -----      | Existing San. Sewer         | -----    |          |
| Type 5                     | -----      | Existing San. Sewer Manhole | -----    |          |
| Outline of Bodies of Water | -----      | Guardrail-Existing          | -----    |          |
| Exposed Bedrock            | -----      | Guardrail-Proposed          | -----    |          |
| Buildings                  | -----      | Guardrail-Cable, Other      | -----    |          |
| Trees                      | Conifer    | Centerline-Existing         | -----    |          |
| Tree Line                  | -----      | Centerline-Proposed         | -----    |          |
| Clearing Limit Line        | -----      | Travelway-Existing          | -----    |          |
| Railroad                   | -----      | Travelway-Proposed          | -----    |          |
| Boring                     | HB-XXX-### | Probe                       | P-#.X    |          |
| Pavement Core              | PC-#       | #. # = Depth                |          |          |
| Test Pit                   | TP-XXX-### | X = W (Weathered Rock)      |          |          |
|                            |            | R (Refusal)                 |          |          |
|                            |            | NR (No Refusal)             |          |          |

INDEX OF SHEETS

| Description                               | Sheet No. |
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|                                                |          |      |
|------------------------------------------------|----------|------|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION | APPROVED | DATE |
| COMMISSIONER: [Signature]                      | 11-26-24 |      |
| CHIEF ENGINEER: [Signature]                    | 11-26-24 |      |



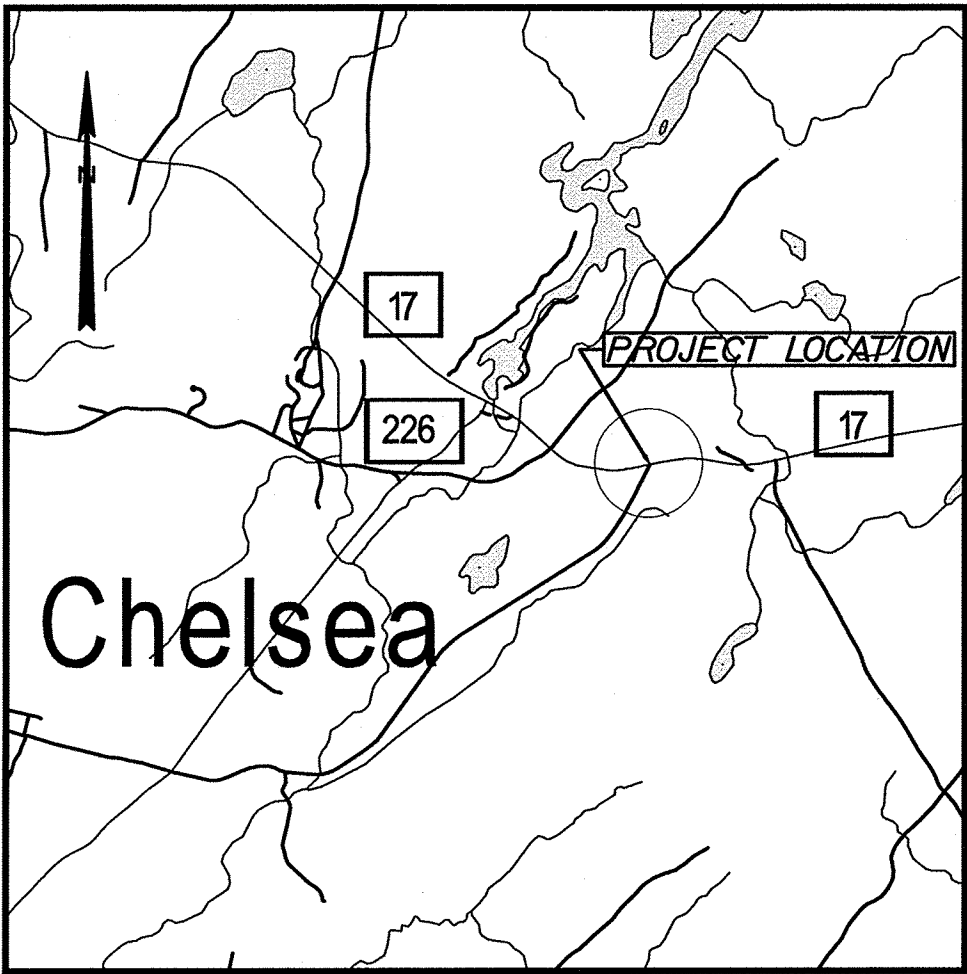
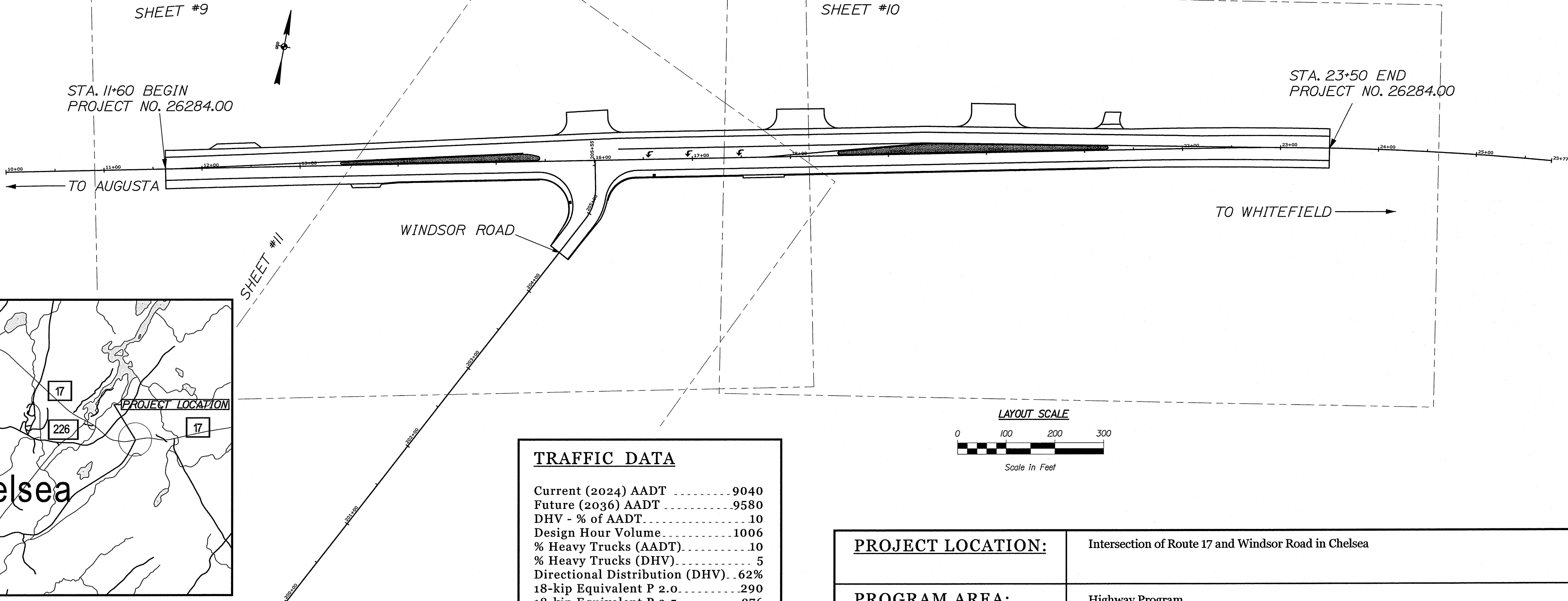
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| SIGNATURE   | P.E. NUMBER | DATE |
| [Signature] | PE 18470    |      |

|                     |               |                 |          |            |                  |            |                         |
|---------------------|---------------|-----------------|----------|------------|------------------|------------|-------------------------|
| PROJECT INFORMATION | PROGRAM       | PROJECT MANAGER | DESIGNER | CONSULTANT | PROJECT RESIDENT | CONTRACTOR | PROJECT COMPLETION DATE |
| HIGHWAY             | DOUGLAS COMBS | LYRIC DEAGLE    |          |            |                  |            |                         |

|                                  |             |
|----------------------------------|-------------|
| CHELSEA<br>ROUTE 17 & WINDSOR RD | TITLE SHEET |
|----------------------------------|-------------|

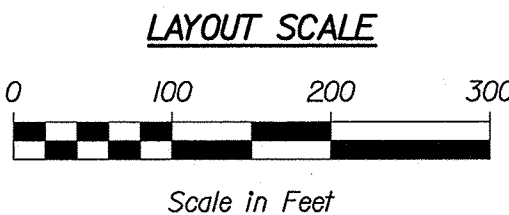
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|--------------|---|
| SHEET NUMBER | 1 |
| OF 24        |   |

WIN 2628400 2628400



TRAFFIC DATA

|                                |      |
|--------------------------------|------|
| Current (2024) AADT            | 9040 |
| Future (2036) AADT             | 9580 |
| DHV - % of AADT                | 10   |
| Design Hour Volume             | 1006 |
| % Heavy Trucks (AADT)          | 10   |
| % Heavy Trucks (DHV)           | 5    |
| Directional Distribution (DHV) | 62%  |
| 18-kip Equivalent P 2.0        | 290  |
| 18-kip Equivalent P 2.5        | 276  |
| Design Speed (mph)             | 50   |
| Corridor Priority              | 2    |



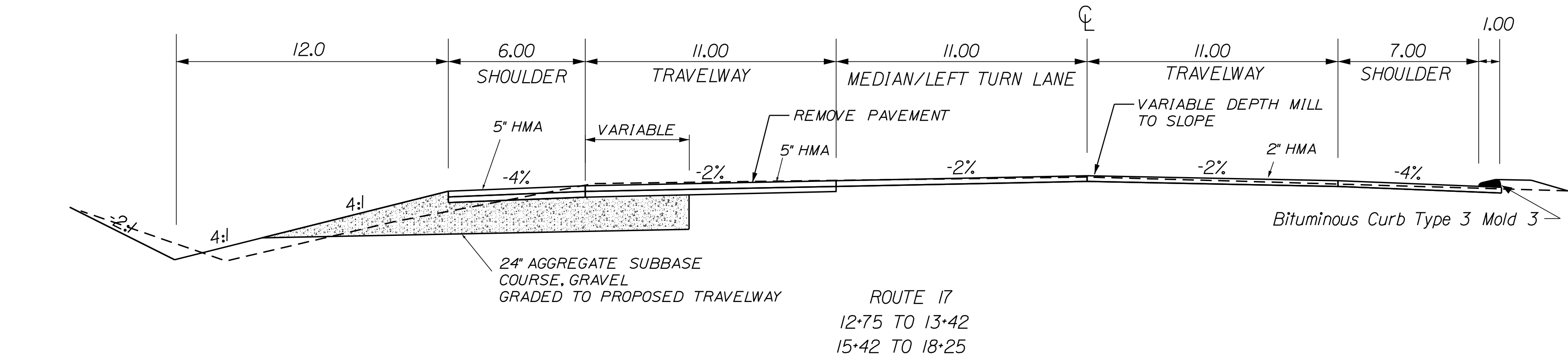
|                   |                                                      |
|-------------------|------------------------------------------------------|
| PROJECT LOCATION: | Intersection of Route 17 and Windsor Road in Chelsea |
| PROGRAM AREA:     | Highway Program                                      |
| SCOPE OF WORK:    | Intersection Safety Improvements                     |

Date:11/26/2024

Username: common

Division: HIGHWAY

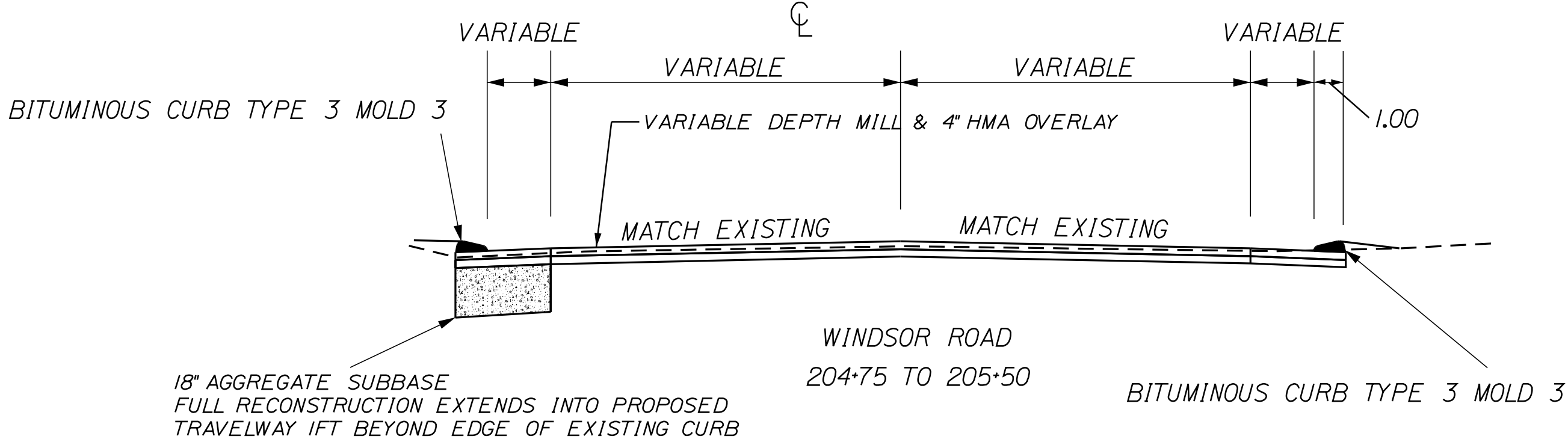
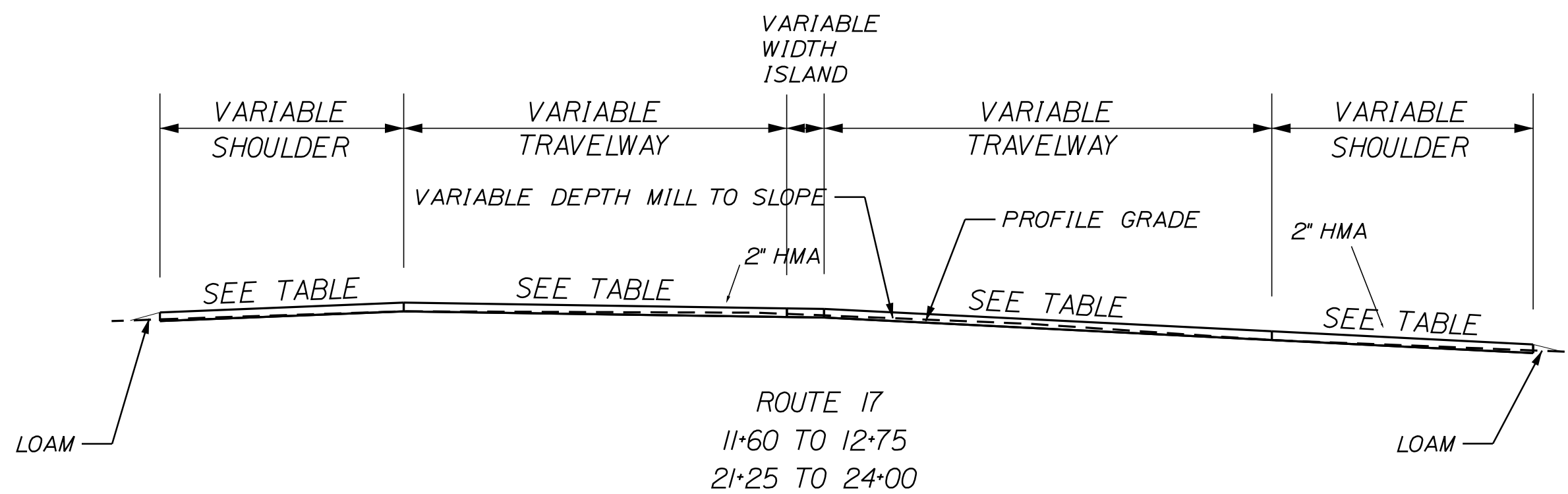
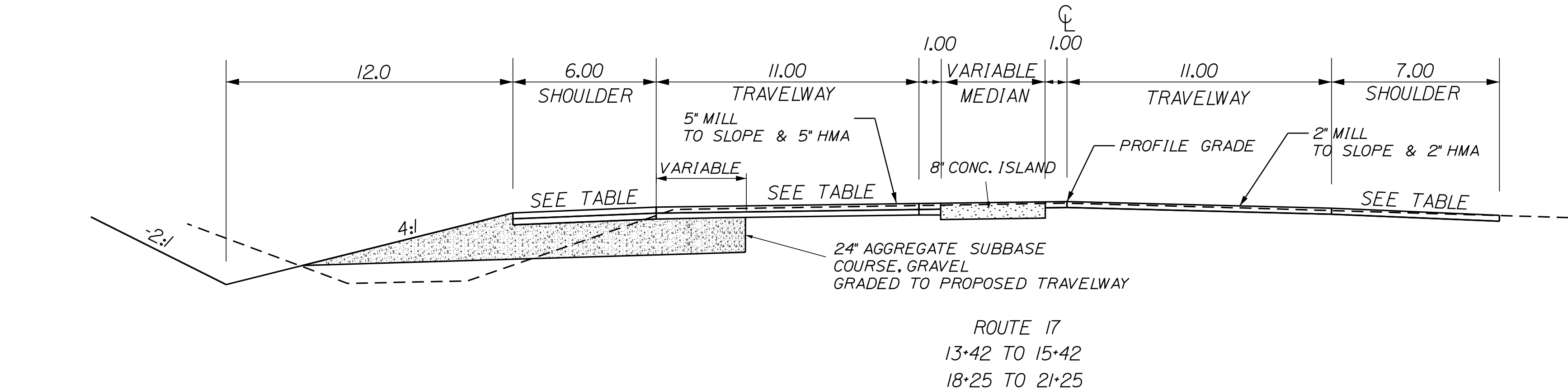
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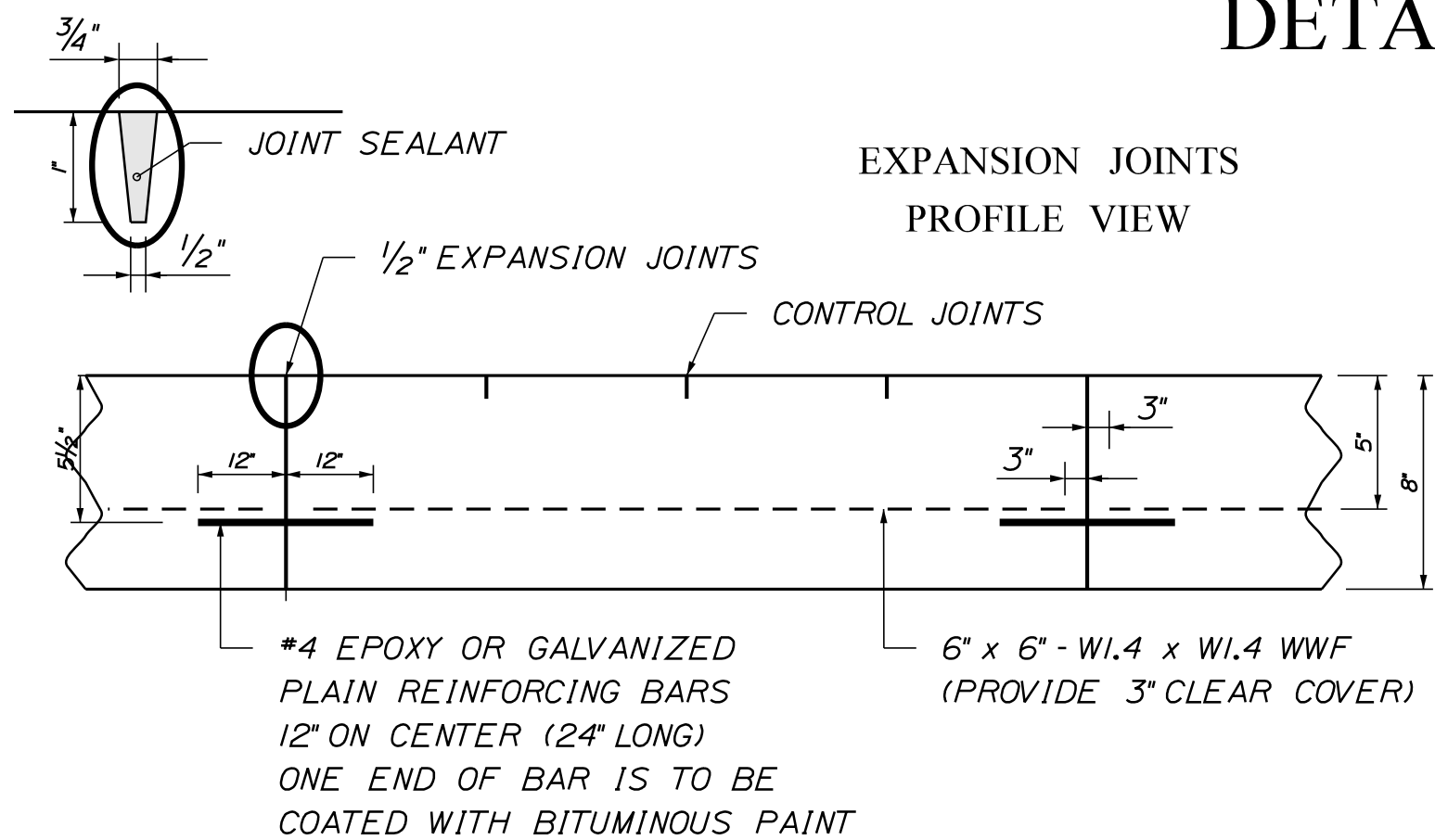
NOTES:  
1. LIMIT OF ROUTE 17 TRAVELWAY RECONSTRUCTION  
IS EXISTING EDGE OF TRAVELWAY

SUPERELEVATION - ROUTE 17

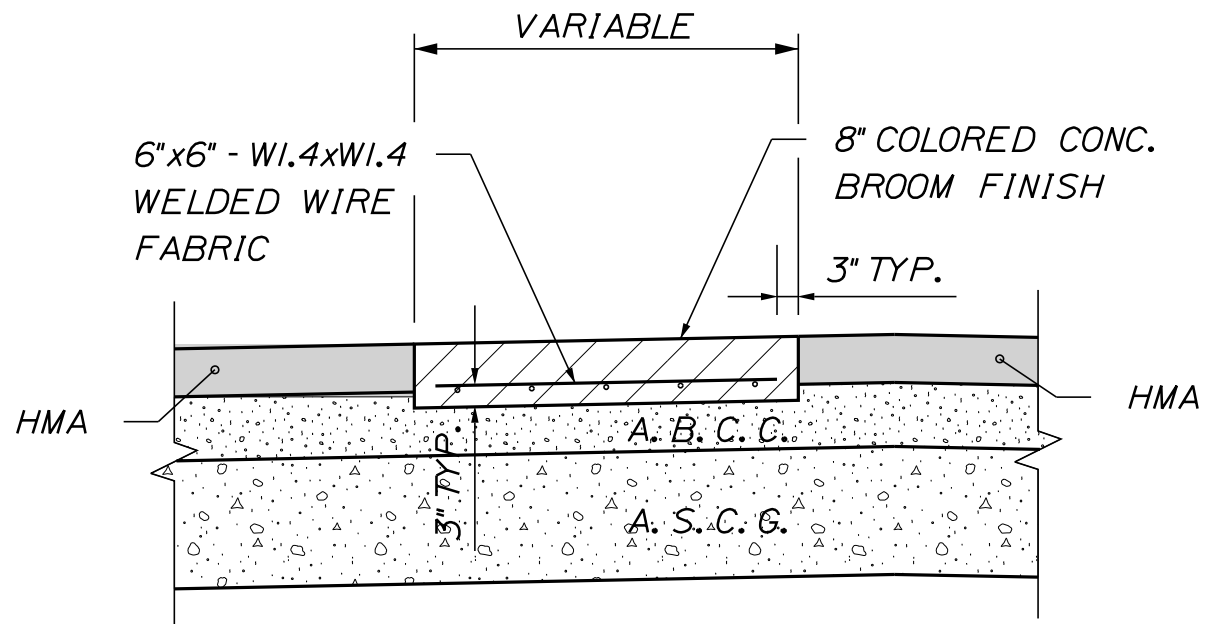
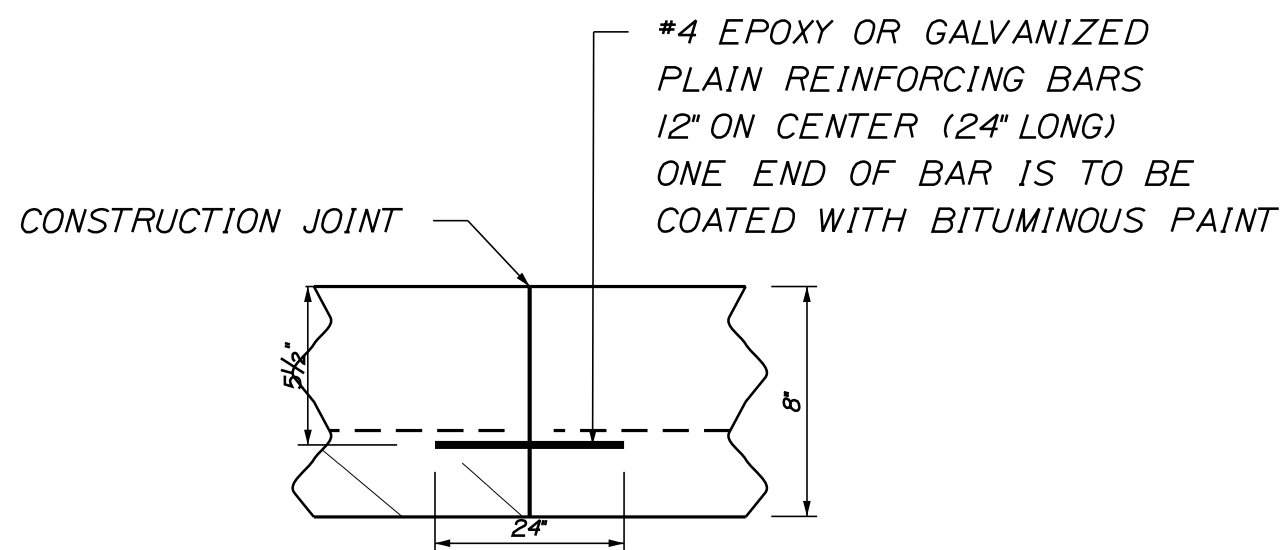
| LT. SHOULDER | LT TRAVELWAY | STATION | RT TRAVELWAY | RT. SHOULDER |
|--------------|--------------|---------|--------------|--------------|
|              |              | START   |              |              |
| MATCH        | MATCH        | 11+60   | MATCH        | MATCH        |
| -4%          | -2%          | 12+00   | -2%          | -4%          |
| -            | -            | -       | -            | -            |
| -            | -2%          | 20+00   | -2%          | -            |
| -            | -1%          | 20+50   | -2.75%       | -            |
| -            | 0%           | 21+00   | -3.5%        | -4%          |
| -            | 1.0%         | 21+50   | -4.25%       | -4.5%        |
| -            | 1.5%         | 22+00   | -5%          | -5%          |
| -            | -            | -       | -            | -            |
| MATCH        | MATCH        | 24+00   | MATCH        | MATCH        |



## DETAIL A - STRUCTURAL CONCRETE MEDIAN



CONSTRUCTION JOINT  
PROFILE VIEW



NOT TO SCALE

| ESTIMATED QUANTITIES |                                                    |          |          |
|----------------------|----------------------------------------------------|----------|----------|
| ITEM NO.             | DESCRIPTION                                        | QUANTITY | UNIT     |
|                      |                                                    |          |          |
| 202.15               | REMOVING MANHOLE OR CATCHBASIN                     | 1        | EA       |
| 202.2023             | REMOVING PAVEMENT SURFACE                          | 3380     | SY       |
| 203.2                | COMMON EXCAVATION                                  | 1430     | CY       |
| 304.1                | AGGREGATE SUBBASE COURSE - GRAVEL                  | 1435     | CY       |
| 403.2081             | 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT           | 400      | T        |
| 403.209              | HOT MIX ASPHALT 9.5 MM HMA (DRIVES, INCIDENTALS)   | 70       | T        |
| 403.211              | HOT MIX ASPHALT (SHIMMING)                         | 140      | T        |
| 403.2131             | 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT           | 275      | T        |
| 409.15               | BITUMINOUS TACK COAT APPLIED                       | 700      | G        |
| 502.341              | STRUCTURAL CONCRETE ROADWAY MEDIAN                 | 63       | CY       |
| 602.3                | FLOWABLE CONCRETE FILL                             | 3        | CY       |
| 603.16               | 15 INCH CULVERT PIPE OPTION 1                      | 184      | LF       |
| 603.179              | 18 INCH CULVERT PIPE OPTION 111                    | 50       | LF       |
| 603.55               | CONCRETE PIPE TIES                                 | 4        | GP       |
| 603.743              | REMOVE AND RELAY 30' CONCRETE PIPE                 | 44       | LF       |
| 604.262              | CATCH BASIN TYPE B5-C                              | 2        | EA       |
| 609.31               | CURB TYPE 3                                        | 705      | LF       |
| 610.08               | PLAIN RIPRAP                                       | 18       | CY       |
| 615.07               | LOAM                                               | 18       | CY       |
| 618.13               | SEEDING METHOD NUMBER 1                            | 6        | UN       |
| 618.14               | SEEDING METHOD NUMBER 2                            | 3        | UN       |
| 619.12               | MULCH                                              | 9        | UN       |
| 627.733              | 4' WHITE OR YELLOW PAVEMENT MARKING LINE           | 4600     | LF       |
| 627.75               | WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE      | 100      | SF       |
| 629.05               | HAND LABOR, STRAIGHT TIME                          | 10       | HR       |
| 631.12               | ALL PURPOSE EXCAVATOR (INC OPERATOR)               | 10       | HR       |
| 631.172              | TRUCK - LARGE (INCLUDING OPERATOR)                 | 20       | HR       |
| 639.19               | FIELD OFFICE TYPE B                                | 1        | EA       |
| 645.292              | REG, WARN, CONF, RT SIGNS TYPE 11                  | 80       | SF       |
| 645.56               | 30-INCH STOP SIGN SOLAR POWERED                    | 1        | EA       |
| 652.33               | DRUM                                               | 30       | EA       |
| 652.34               | CONE                                               | 100      | EA       |
| 652.35               | CONSTRUCTION SIGNS                                 | 400      | SF       |
| 652.36               | MAINTINENCE OF TRAFFIC CONTROL DEVICES             | 120      | CD       |
| 652.38               | FLAGGER                                            | 2000     | HR       |
| 656.75               | TEMPORARY SOIL REOSION AND WATER POLLUTION CONTROL | 1        | LUMP SUM |
| 659.1                | MOBILIZATION                                       | 1        | LUMP SUM |

CONSTRUCTION NOTES

1.EQUIPMENT RENTAL AND HAND LABOR SHALL BE USED TO RESET AND REMOVE EXISTING CONCRETE CULVERT PIPE. ANY ADDITIONAL CONCRETE PIPE WILL BECOME PROPERTY OF THE CONTRACTOR.

2.LIMITS OF WINDSOR ROAD FULL RECONSTRUCTION SHALL BE IFT INSIDE THE EXISTING EDGE OF CURB.

ITEM 202.15 REMOVING MANHOLE OR CATCHBASIN

STA. 18+35 RT

ITEM 609.31 CURB TYPE 3

REFER TO GEOMETRIC PLANS

ITEM 610.08 PLAIN RIPRAP

CULVERT          RIPRAP PAD INLET          RIPRAP PAD OUTLET

STA. 17+14.6, 44' LT  
STA. 16+39.6, 40.33' RT  
STA. 205+00, 27.04 RT

7.5' X 13.25'

5' X 26'  
15' X 5'

DRIVES AND ENTRANCES

STATIONING

TYPE

12+35 LT

PAVED ENTRANCE

13+75 Rt

PAVED DRIVE

16+00 Lt

PAVED DRIVE

17+75 Rt

PAVED DRIVE

18+00 Lt

PAVED ENTRANCE

21+25 Lt

GRAVEL DRIVE

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

2628400

WIN  
26284.00  
HIGHWAY PLANS

CHELSEA  
ROUTE 17 & WINDSOR ROAD

EST. QUANTITIES/CON. NOTES

SHEET NUMBER

3

OF 24

|                  |           |    |             |
|------------------|-----------|----|-------------|
| PROJ. MANAGER    | D. COOMBS | BY | DATE        |
| DESIGN-DETAILED  | L. DEAGLE |    |             |
| CHECKED-REVIEWED |           |    | SIGNATURE   |
| DESIGN-DETAILED  |           |    | P.E. NUMBER |
| REVISIONS 1      |           |    | DATE        |
| REVISIONS 2      |           |    |             |
| REVISIONS 3      |           |    |             |
| REVISIONS 4      |           |    |             |
| FIELD CHANGES    |           |    |             |



## GENERAL NOTES

REVISED 12/10/20

1. Clearing limits shall be 10 feet beyond and parallel to the construction slope lines or as shown on the Plans unless otherwise authorized by the Resident.

2. All clearing shall be considered incidental to the Contract and no separate payment will be made. The actual lines for clearing shall be established in the field by the Contractor as indicated on the Plans and approved by the Resident.

3. The clearing and selective clearing and thinning lines shown on the Plans are for estimating purposes only. The actual lines for clearing and thinning shall be established in the field by the Contractor and approved by the Resident.

4. Grubbing in fill areas has been shown on the cross sections and the quantities noted. These limits are approximate and have been used for estimating purposes only. Actual grubbing limits may vary based on field conditions as directed by the Resident.

5. Prior to removing any pavement or placing any shim pavement, the roadway will be inspected for possible subsurface boulders, which will be removed as directed by the Resident. Payment will be made under appropriate Contract rental items. Backfill will be placed to subgrade with material consistent with the surrounding material. Aggregate subbase course gravel will be placed from subgrade to finish grade and will be paid under the appropriate item.

6. Where deemed necessary by the Resident, unsuitable excess material shall be removed from the edges of shoulders and placed in designated areas or disposed of. Payment will be made under the appropriate Contract items.

7. All inslope and ditches in cut areas shall be graded as shown on the typicals or flatter, or as directed by the Resident.

8. The Contractor shall plan and conduct work so that upon completion of the project there is no drop-off from the edge of the shoulder pavement.

9. Driveway fill side slopes shall be the same as the fill side slopes without guardrail unless otherwise noted on the Plans.

10. All waste material not used on the project shall be disposed of off the project in acceptable waste areas reviewed by the Resident. Grading, seeding and mulching of waste areas shall be considered incidental.

II. Required ditch protection shown on the Plans or in the Construction Notes is for estimating purposes only. The actual type and location of ditch protection may be altered by the Resident.

12. Granular borrow used to backfill muck excavation or in low wet areas to 1 foot above water level or old ground shall meet requirements for granular borrow material for underwater backfill as specified in Standard Specifications Item 703.19, Granular Borrow.

13. Existing inslopes in proposed fill areas shall be benched by excavating steps of sufficient width to permit placing and compacting the fill material along with the material removed.

14. Residential paved entrances shall be constructed with 2 inches of hot mix asphalt and 12 inches of aggregate subbase course gravel.

15. Commercial paved entrances shall be constructed with 3 inches of hot mix asphalt and 11 inches of aggregate subbase course gravel.

16. Gravel entrances shall be constructed with 14 inches of aggregate subbase course gravel or 11 inches of aggregate subbase course gravel and 3 inches of untreated aggregate surface course unless otherwise noted in the Plans or directed by the Resident.

17. A 3-foot paved lip shall be placed at all unpaved entrances unless otherwise noted in the Plans or directed by the Resident.

18. Any necessary cleaning of existing pavement prior to paving (or milling) shall be incidental to the related paving (or milling) items. This includes killing and removal of all vegetative matter.

19. All existing paved shoulders and widenings shall be resurfaced as directed by the Resident.

20. The following shall be incidental to the Standard Specifications Section 603, Pipe Culverts and Storm Drains

- a. Any cutting of existing culverts and or connectors necessary to install new culvert replacements or extensions;
- b. All pipe excavation including any cutting and removal of pavement;
- c. All ditching at pipe ends;
- d. Furnishing, placing, grading, and compacting of any new gravel and for temporary detours to maintain traffic during pipe installation (excavation is also incidental);
- e. All work necessary to connect to existing pipes and drainage structures;
- f. Existing flow lines may be changed by up to 1.5 feet;
- g. Any necessary clearing of brush and non-pay trees within 10 feet of culvert ends;
- h. An 18-inch wide strip of non-woven geotextile meeting the requirements of Standard Specifications Item 620.58, Erosion Control Geotextile, shall be placed over all RCP joints.

21. *No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.*

22. *Inlets and outlets of all culverts shall be riprapped unless otherwise noted on the Plans or directed by the Resident.*

23. Flat tops for catch basins are not allowed unless noted on the Plans or directed by the Resident.

24. Any necessary cutting of existing pipes to fit in areas of proposed catch basins will not be paid for separately and will be considered incidental to Standard Specifications Section 604, Manholes, Inlets and Catch Basins.

25. Backing up bituminous or concrete slipform curb is incidental to the curb items. In areas where new bituminous or concrete slipform curb is designated to replace existing, the removal of the old bituminous or concrete slipform curb shall be incidental to the new curb. If called for on the Plans or directed by the Resident, loam or dirty borrow will be paid for separately.

26. Loam has been estimated for disturbed lawn areas. Actual placement of the loam shall be as noted on the Plans or designated by the Resident.

27. Unless otherwise noted Seeding Method No. 1 shall be utilized on all lawns and developed areas; Seeding Method No. 2 shall be utilized on all other areas.

28. Loam shall be placed to a nominal depth of 4 inches in lawn areas and 2 inches in all other areas unless otherwise noted or directed.

29. *White pavement/curb marking (Standard Specifications Item 627.75, White or Yellow Pavement & Curb Marking) shall be applied to all island tapered ends.*

30. Any base pavement not surfaced before winter will require temporary pavement markings of paint, both yellow centerline and white edge lines and will be considered part of Standard Specifications Item 627.78, Temporary Pavement Marking Line, White or Yellow.

31. The Contractor will be responsible for maintaining all existing mailboxes to ensure that the mail will be deliverable. Payment for this work will be considered incidental to the contract

32. The Contractor will be responsible for maintaining all existing operational business directional signs (OBDS) to ensure that they are visible to the traveling public. Payment for this work will be considered incidental to the contract.

33. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment, and materials required to make repairs shall be at the Contractor's expense.

34. Areas on the project requiring fill will come from suitable sites such as excavation, ditch and inslope or equipment rental areas.

35. Estimated quantities for required structural earth excavation, drainage and minor structures are informational only and represent the approximate minimum quantity required to install drainage structures. Additional excavation for the Contractor's convenience or to comply with backslapping requirements will not be paid for directly but will be considered incidental to the related drainage items.

36. No separate payment for superintendent or foreman will be made for the supervision of equipment and layout of work being paid for under the equipment rental items.

37. Final striping for the project shall be done by the Contractor per the striping layout in the Contract documents or as provided by the Department. Payment shall be made under appropriate Contract items.

38. The Contractor will place appropriately-marked stakes at the following locations on the project: striping pattern changes, cross-slope changes, and every 500 feet for stationing. The Contractor will paint every full station (100 feet) on the existing roadway and will transfer the painted stationing through all intermediate lifts (not surface). Appropriately-sized striping pattern changes will be painted on surface. Stationing control must be placed before work can commence. Cross-slope and striping change controls must be placed before paving can commence.

|                                                |               |
|------------------------------------------------|---------------|
| STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION | 2628400       |
| WIN<br>26284.00                                | HIGHWAY PLANS |

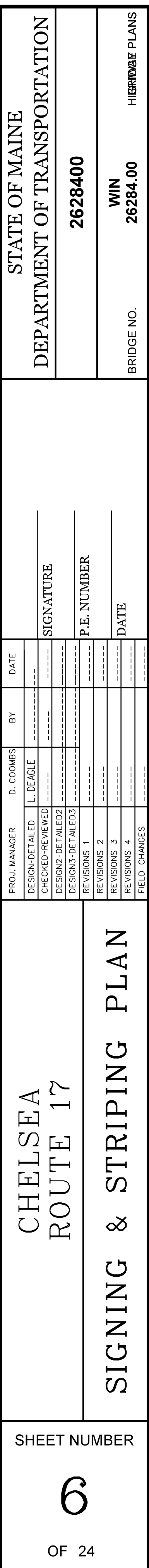
| PROJECT MANAGER  | D. COOMBS | BY | DATE        |
|------------------|-----------|----|-------------|
| DESIGN DETAILED  | L. DEAGLE |    |             |
| CHECKED-REVIEWED |           |    |             |
| DESIGNS DETAILED |           |    |             |
| DESIGNS CHECKED  |           |    |             |
| REVISIONS 1      |           |    |             |
| REVISIONS 2      |           |    |             |
| REVISIONS 3      |           |    |             |
| REVISIONS 4      |           |    |             |
| FIELD CHANGES    |           |    |             |
|                  |           |    | SIGNATURE   |
|                  |           |    | P.E. NUMBER |
|                  |           |    | DATE        |

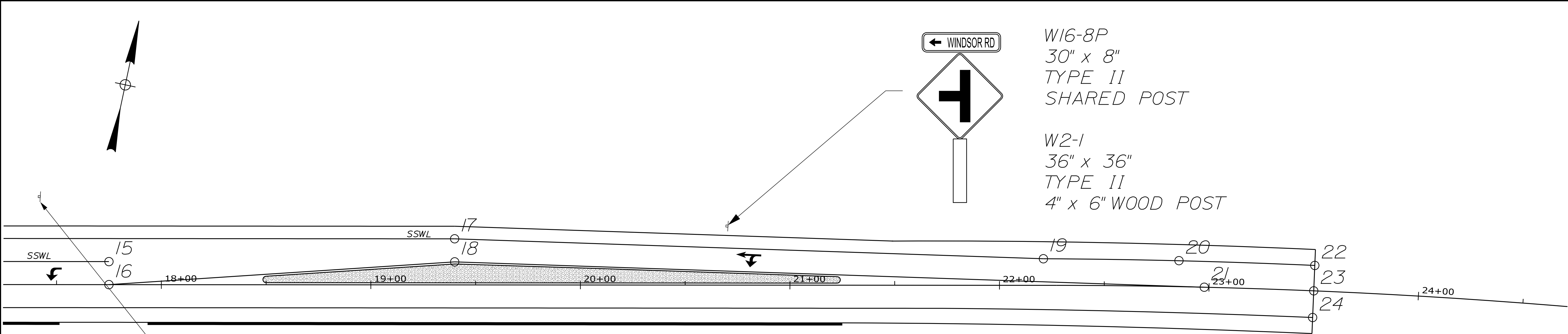
CHELSEA  
 ROUTE 17 & WINDSOR ROAD  
 GENERAL NOTES

SHEET NUMBER

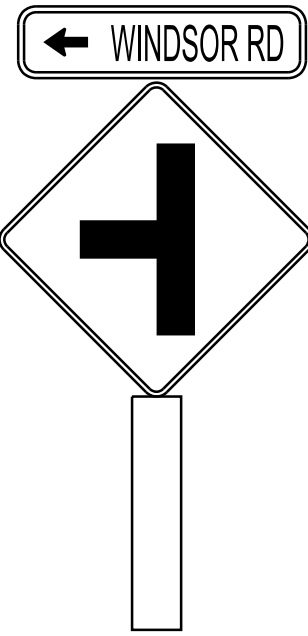
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OF 24





28" x 36"  
TYPE II  
4" x 6" WOOD POST



W16-8P  
30" x 8"  
TYPE II  
SHARED POST  
  
W2-1  
36" x 36"  
TYPE II  
4" x 6" WOOD POST

| STRIPING TYPE |         |
|---------------|---------|
| Points        | TYPE    |
| 1-22          | 4" SSWL |
| 4-8           | 4" SSWL |
| 3-9           | 4" DYSL |
| 5-10          | 4" SSWL |
| 12-15         | 4" SSWL |
| 13-23         | 4" DSYL |
| 14-24         | 4" SSWL |

| CONTROL POINTS FOR STRIPING |          |        |
|-----------------------------|----------|--------|
| Point                       | Station  | Offset |
| 1                           | 11+60    | 11.76  |
| 2                           | 11+72.25 | 11.9   |
| 3                           | 11+60    | 0      |
| 4                           | 11+72.25 | 0      |
| 5                           | 11+60    | 11.685 |
| 6                           | 13+00    | 14     |
| 7                           | 12+29.75 | 11     |
| 8                           | 15+27.5  | 8.62   |
| 9                           | 15+42.25 | 0      |
| 10                          | 15+42.25 | 11     |
| 11                          | 16+25    | 22     |
| 12                          | 16+25    | 11     |
| 13                          | 16+25    | 0      |
| 14                          | 16+41.66 | 11     |
| 15                          | 17+75    | 11     |
| 16                          | 17+75    | 0      |
| 17                          | 19+40    | 22     |
| 18                          | 19+40    | 11     |
| 19                          | 22+21    | 12.75  |
| 20                          | 22+85.48 | 12.25  |
| 21                          | 22+98.75 | 0      |
| 22                          | 23+50    | 12.15  |
| 23                          | 23+50    | 0      |
| 24                          | 23+50    | 12.75  |

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

2628400

WIN  
26284.00

BRIDGE NO.  
HIGHWAY PLANS

PROJ. MANAGER  
DESIGN-DETAILED  
CHECKED-REVIEWED  
DESIGN-DETAILED  
REVISIONS 1  
REVISIONS 2  
REVISIONS 3  
REVISIONS 4  
FIELD CHANGES

DATE  
BY  
D. COOMBS  
L. DEAGLE

SIGNATURE  
P.E. NUMBER  
DATE

CHELSEA  
ROUTE 17

SIGNING & STRIPING PLAN

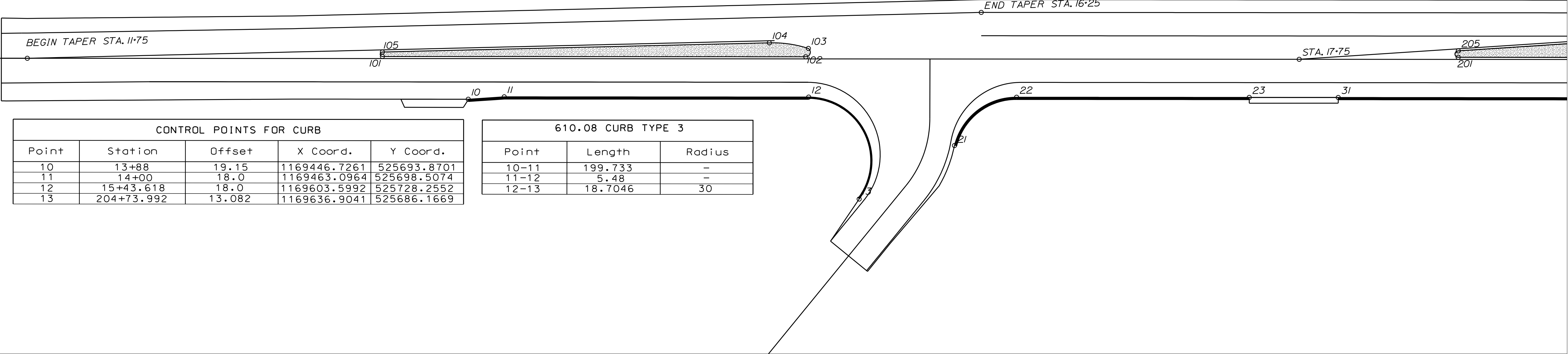
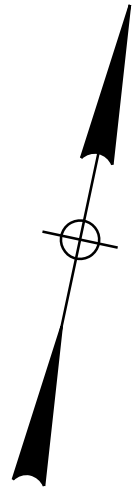
SHEET NUMBER  
7  
OF 24

| CONTROL POINTS FOR ISLAND 1 |           |        |              |             |
|-----------------------------|-----------|--------|--------------|-------------|
| Point                       | Station   | Offset | X Coord.     | Y Coord.    |
| 101                         | 13+42.5   | 1.0    | 1169402.9079 | 525705.1850 |
| 102                         | 15+42.238 | 1.0    | 1169598.3090 | 525746.5564 |
| 103                         | 15+43.456 | 4.937  | 1169598.6884 | 525750.6609 |
| 104                         | 15+25     | 7.554  | 1169580.1164 | 525749.4036 |
| 105                         | 13+42.5   | 3.095  | 1169402.4741 | 525707.2338 |

| 502.3412 STRUCTURAL CONCRETE ISLAND |          |         |
|-------------------------------------|----------|---------|
| Point                               | Length   | Radius  |
| 101-102                             | 199.733  | -       |
| 102-103                             | 5.48     | 2.158   |
| 103-104                             | 18.7046  | 54.5425 |
| 104-105                             | 182.5790 | -       |
| 105-101                             | 3.2895   | 1.047   |

| CONTROL POINTS FOR CURB |           |        |              |             |
|-------------------------|-----------|--------|--------------|-------------|
| Point                   | Station   | Offset | X Coord.     | Y Coord.    |
| 21                      | 205+17.57 | 12.965 | 1169675.6199 | 525720.2018 |
| 22                      | 16+41.66  | 18.0   | 1169463.0964 | 525698.5074 |
| 23                      | 17+51.458 | 18.0   | 1169806.9260 | 525771.3047 |

| 610.08 CURB TYPE 3 |          |        |
|--------------------|----------|--------|
| Point              | Length   | Radius |
| 21-22              | 38.334   | 30     |
| 22-23              | 109.7606 | -      |

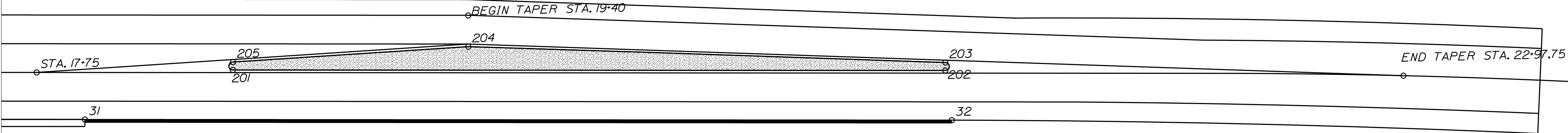


| CONTROL POINTS FOR CURB |            |        |              |             |
|-------------------------|------------|--------|--------------|-------------|
| Point                   | Station    | Offset | X Coord.     | Y Coord.    |
| 10                      | 13+88      | 19.15  | 1169446.7261 | 525693.8701 |
| 11                      | 14+00      | 18.0   | 1169463.0964 | 525698.5074 |
| 12                      | 15+43.618  | 18.0   | 1169603.5992 | 525728.2552 |
| 13                      | 204+73.992 | 13.082 | 1169636.9041 | 525686.1669 |

| 610.08 CURB TYPE 3 |         |        |
|--------------------|---------|--------|
| Point              | Length  | Radius |
| 10-11              | 199.733 | -      |
| 11-12              | 5.48    | -      |
| 12-13              | 18.7046 | 30     |

| CONTROL POINTS FOR ISLAND 2 |         |        |              |             |
|-----------------------------|---------|--------|--------------|-------------|
| Point                       | Station | Offset | X Coord.     | Y Coord.    |
| 201                         | 18+50   | 1.0    | 1169899.4016 | 525810.3053 |
| 202                         | 21+22.5 | 1.0    | 1169598.3090 | 525746.5564 |
| 203                         | 21+22.5 | 4.065  | 1170165.3570 | 525869.7473 |
| 204                         | 19+40   | 10     | 1169985.6417 | 525837.7657 |
| 205                         | 18+50   | 4.038  | 1169898.7722 | 525813.2777 |

| 502.3412 STRUCTURAL CONCRETE ISLAND |          |        |
|-------------------------------------|----------|--------|
| Point                               | Length   | Radius |
| 201-202                             | 272.5    | -      |
| 202-203                             | 3.2895   | 1.5323 |
| 203-204                             | 182.5388 | -      |
| 204-205                             | 90.255   | -      |
| 205-201                             | 4.7725   | 1.5191 |



| CONTROL POINTS FOR CURB |           |        |              |             |
|-------------------------|-----------|--------|--------------|-------------|
| Point                   | Station   | Offset | X Coord.     | Y Coord.    |
| 31                      | 17+93.431 | 18.0   | 1169848.0054 | 525780.0000 |
| 32                      | 21+25     | 18.0   | 1170172.3731 | 525848.6779 |

| 610.08 CURB TYPE 3 |          |        |
|--------------------|----------|--------|
| Point              | Length   | Radius |
| 21-22              | 331.6884 | -      |

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

2628400

WIN 26284.00

HIGHWAY PLANS

| PROJ. MANAGER     | D. COOMBS | BY | DATE |
|-------------------|-----------|----|------|
| CHECKED-DETAILED  | L. DEAGLE |    |      |
| DESIGNED-REVIEWED |           |    |      |
| DESIGNED-DETAILED |           |    |      |
| REVISIONS 1       |           |    |      |
| REVISIONS 2       |           |    |      |
| REVISIONS 3       |           |    |      |
| REVISIONS 4       |           |    |      |
| FIELD CHANGES     |           |    |      |

CHELSEA

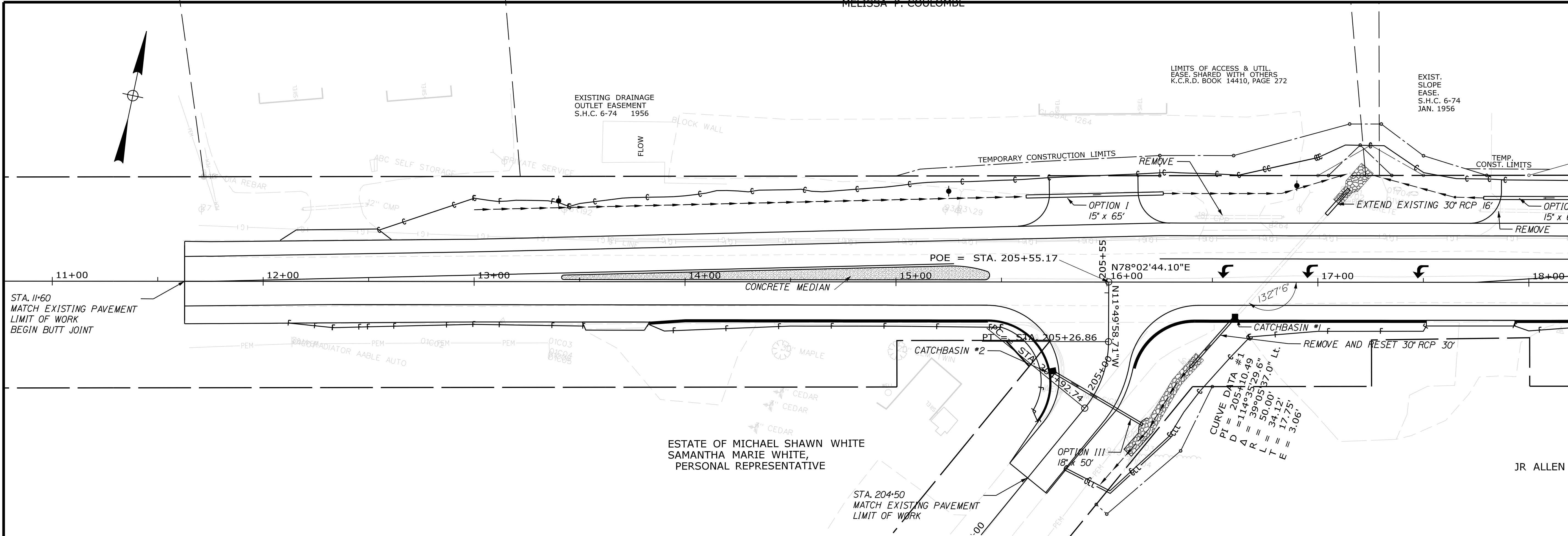
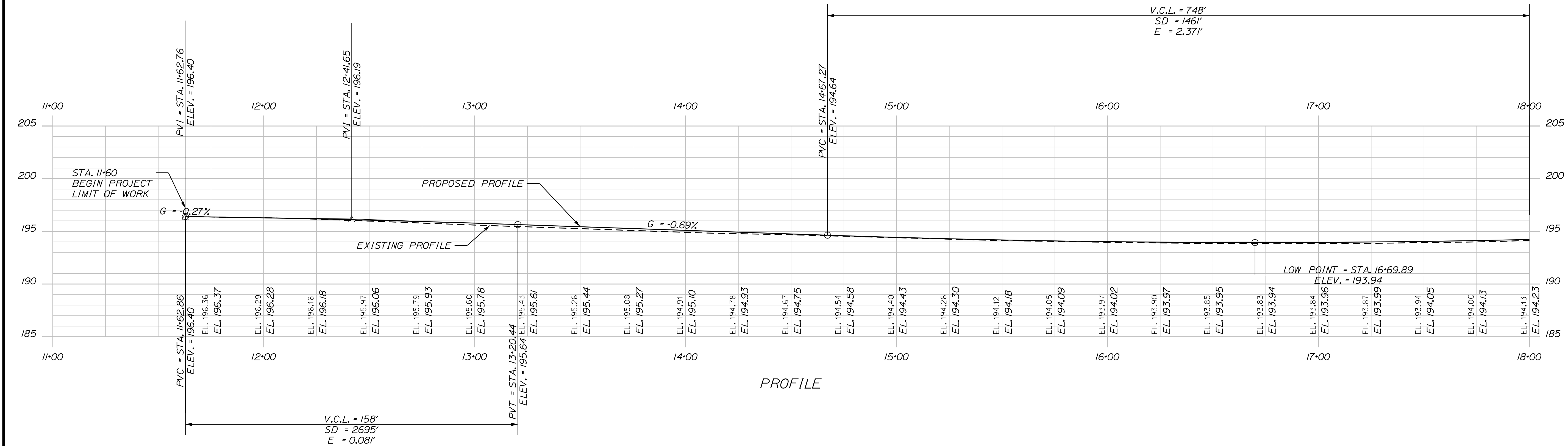
ROUTE 17 & WINDSOR ROAD

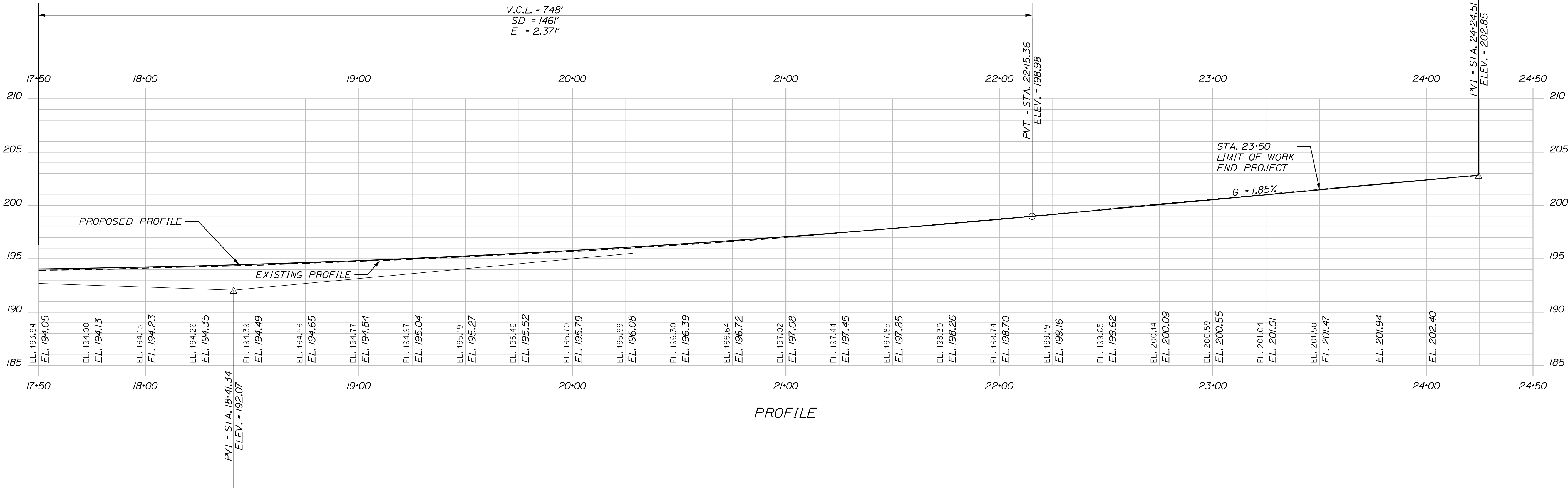
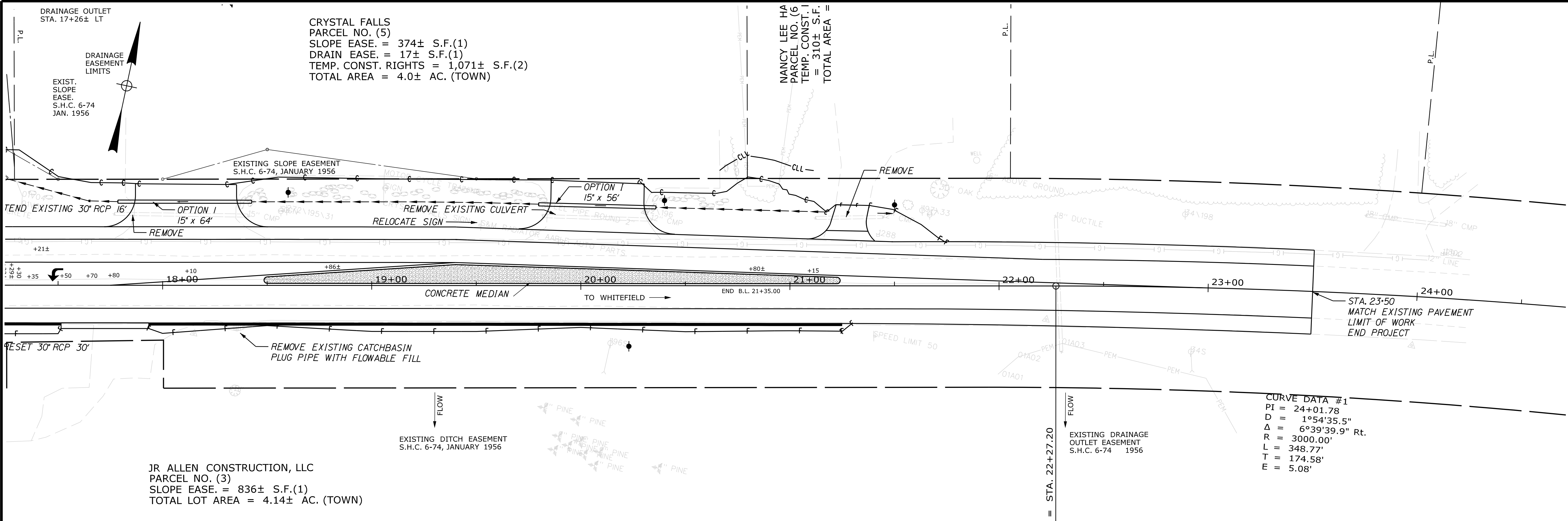
GEOMETRIC SHEET

SHEET NUMBER

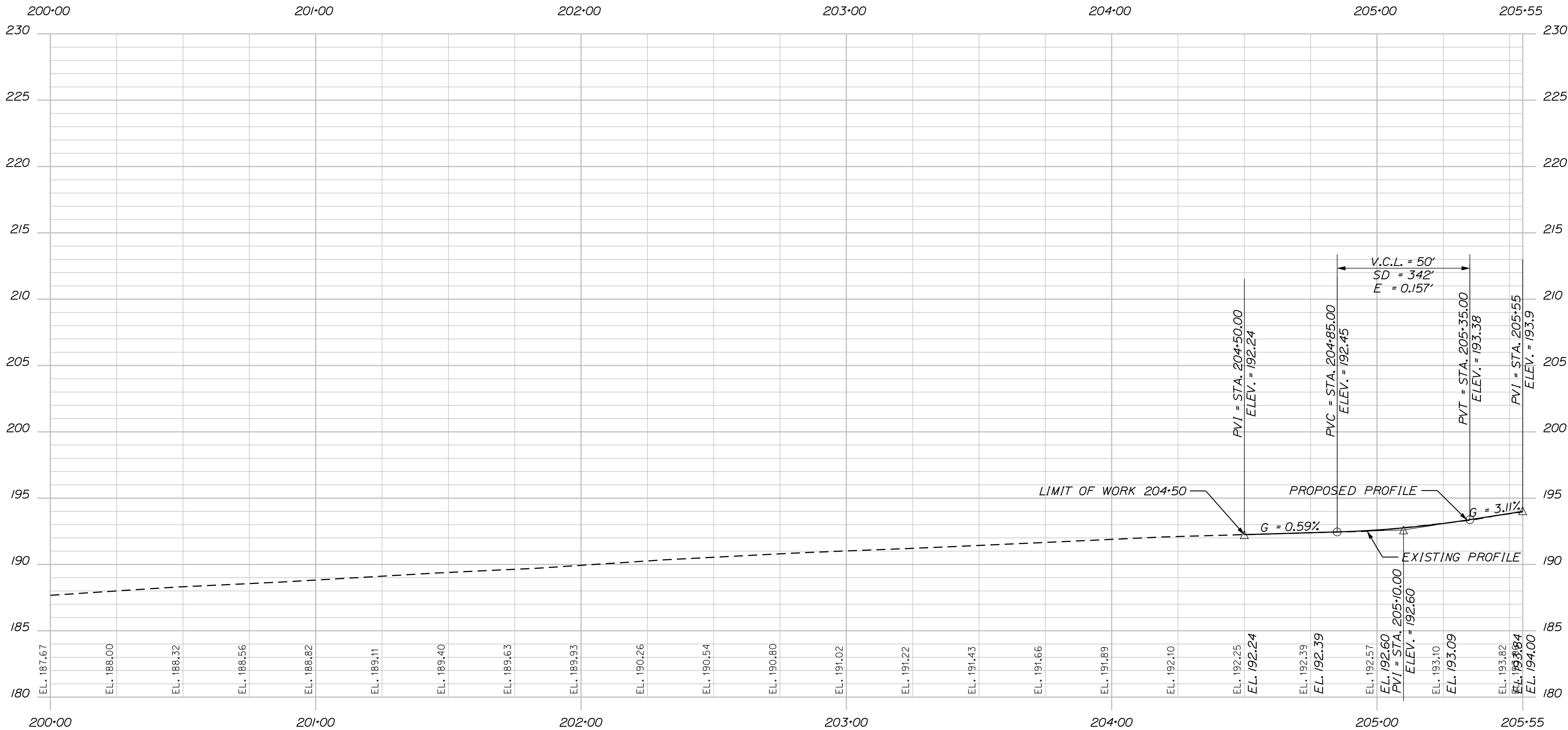
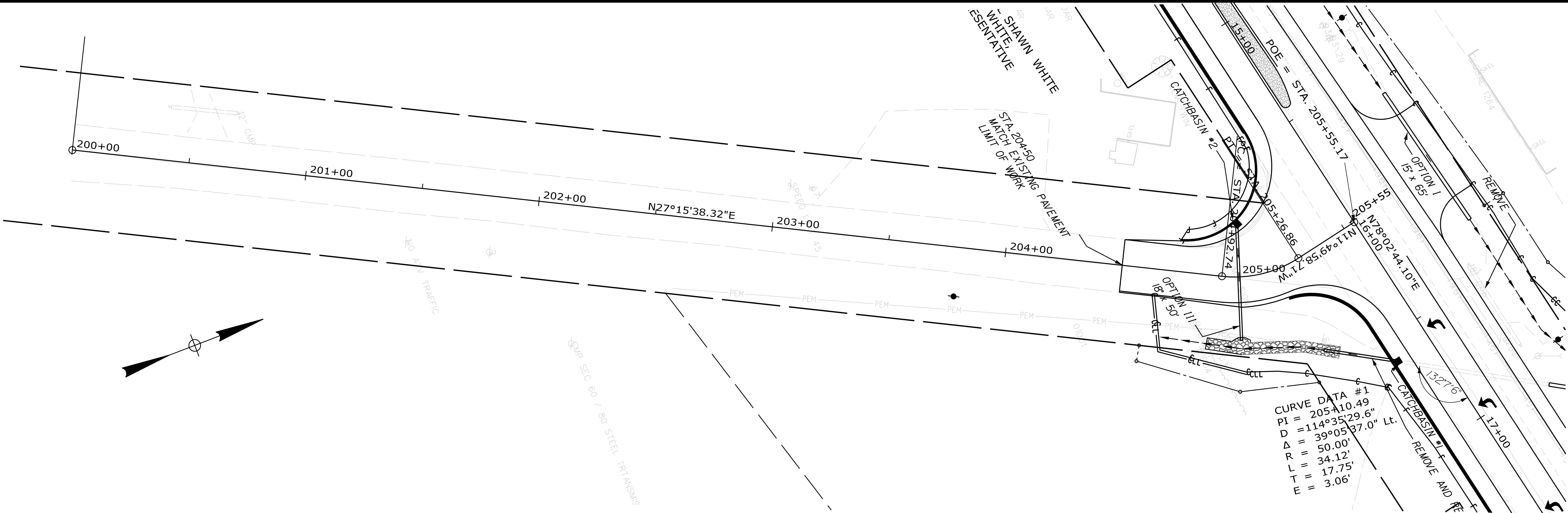
8

OF 24

[illegible]



|                                    |  |                              |             |
|------------------------------------|--|------------------------------|-------------|
| STATE OF MAINE                     |  | DEPARTMENT OF TRANSPORTATION |             |
|                                    |  | 2628400                      |             |
|                                    |  | WIN 26284.00                 |             |
|                                    |  | HIGHWAY PLANS                |             |
| CHELSEA<br>ROUTE 17 & WINDSOR ROAD |  | PROJ. MANAGER                | DATE        |
|                                    |  | D. COOMBS                    | BY          |
|                                    |  | L. DEAGLE                    | SIGNATURE   |
|                                    |  | CHECKED-REVIEWED             | P.E. NUMBER |
|                                    |  | DESIGNED-DETAILED            | DATE        |
| PLANS                              |  | REVISIONS 1                  |             |
|                                    |  | REVISIONS 2                  |             |
|                                    |  | REVISIONS 3                  |             |
|                                    |  | REVISIONS 4                  |             |
| SHEET NUMBER                       |  | 10                           |             |
|                                    |  | OF 24                        |             |



PROFILE

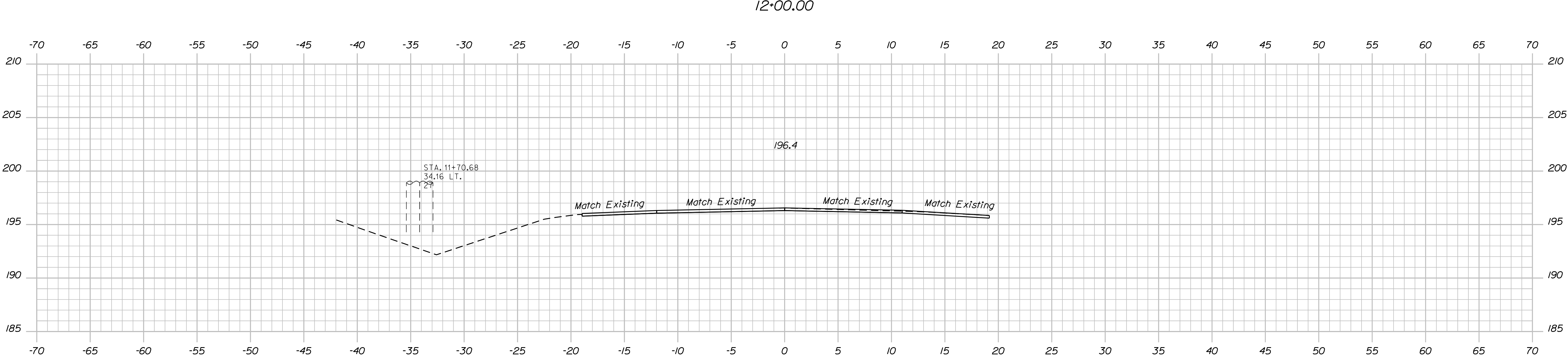
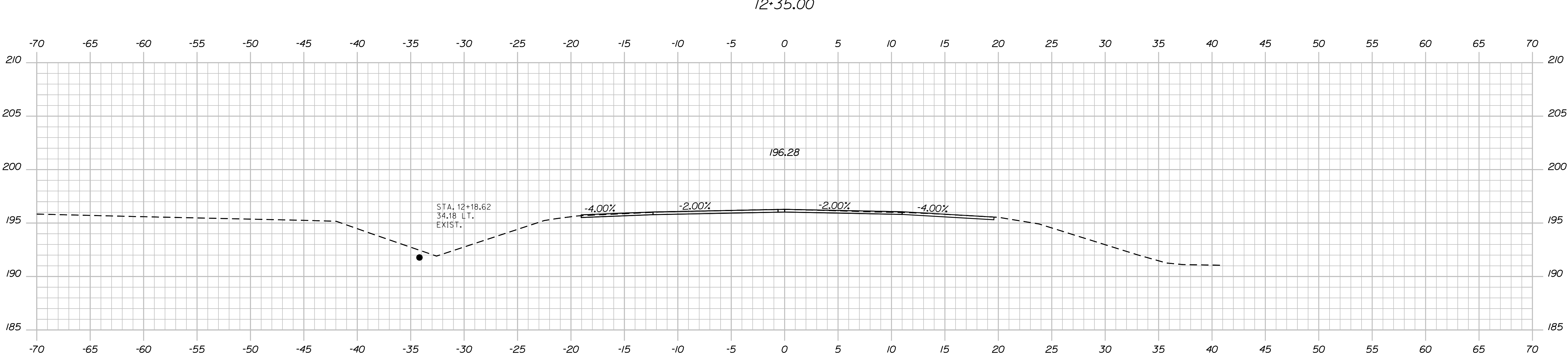
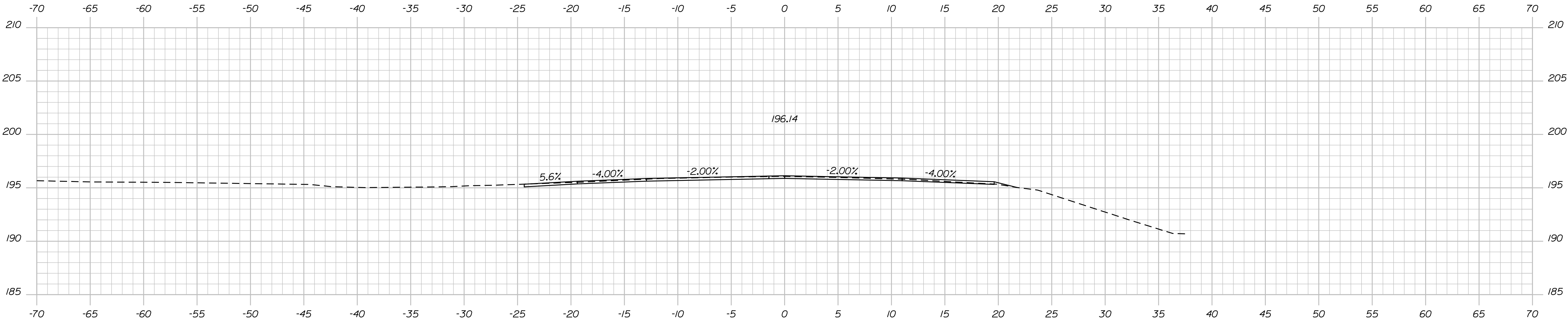
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| 11    |  | SHEET NUMBER |  | CHELSEA<br>ROUTE 17 & WINDSOR ROAD |  | PROJ. MANAGER     |  | D. COOMBS |  | BY |  | DATE |  | STATE OF MAINE<br>DEPARTMENT OF TRANSPORTATION |  |             |  |
|       |  |              |  |                                    |  | DESIGN-DETAILED   |  | L. DEAGLE |  |    |  |      |  |                                                |  |             |  |
| PLANS |  |              |  |                                    |  | DESIGN2-DETAILED2 |  |           |  |    |  |      |  | SIGNATURE                                      |  |             |  |
|       |  |              |  |                                    |  | DESIGN3-DETAILED3 |  |           |  |    |  |      |  |                                                |  |             |  |
|       |  |              |  |                                    |  | REVISIONS 1       |  |           |  |    |  |      |  |                                                |  | P.E. NUMBER |  |
|       |  |              |  |                                    |  | REVISIONS 2       |  |           |  |    |  |      |  |                                                |  |             |  |
|       |  |              |  |                                    |  | REVISIONS 3       |  |           |  |    |  |      |  | DATE                                           |  |             |  |
|       |  |              |  |                                    |  | REVISIONS 4       |  |           |  |    |  |      |  |                                                |  |             |  |
|       |  |              |  |                                    |  | FIELD CHANGES     |  |           |  |    |  |      |  |                                                |  |             |  |
| OF 24 |  |              |  |                                    |  |                   |  |           |  |    |  |      |  | WIN<br>26284.00<br>HIGHWAY PLANS               |  |             |  |
|       |  |              |  |                                    |  |                   |  |           |  |    |  |      |  |                                                |  |             |  |

Date:11/26/2024

Username: common

Division: HIGHWAY

Filename: ... \MSTAO12\_XSECT\_11+60\_002.dgn



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

2628400

WIN  
26284.00

HIGHWAY PLANS

CHELSEA  
ROUTE 17

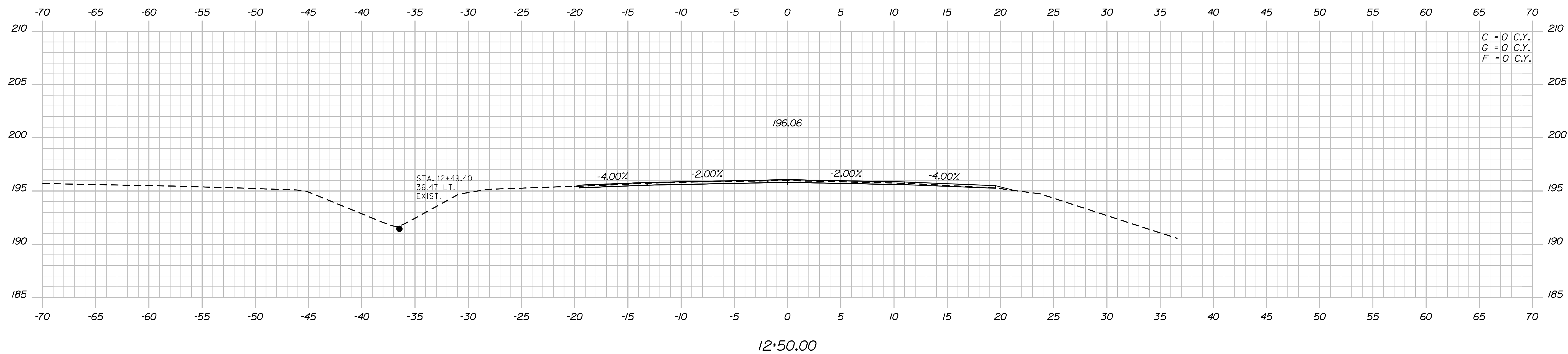
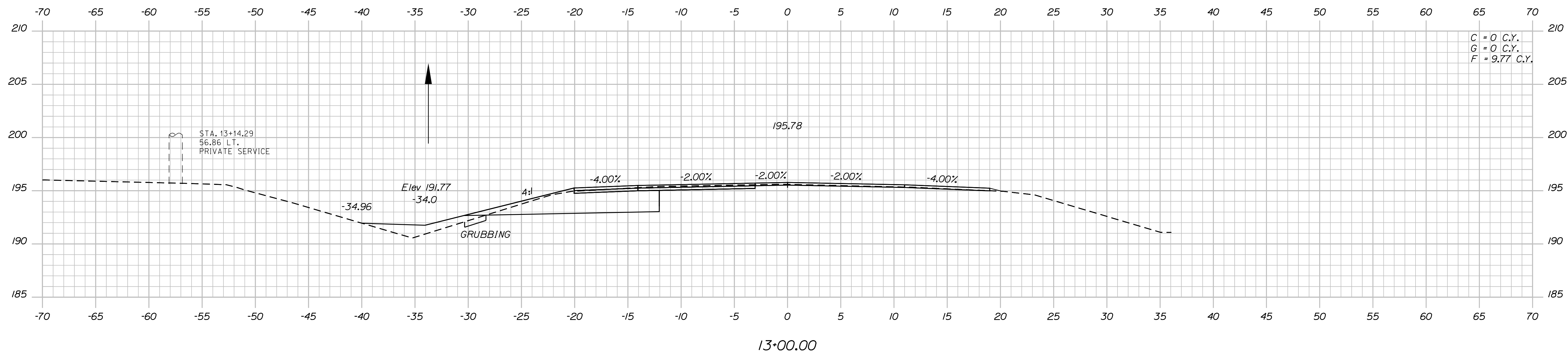
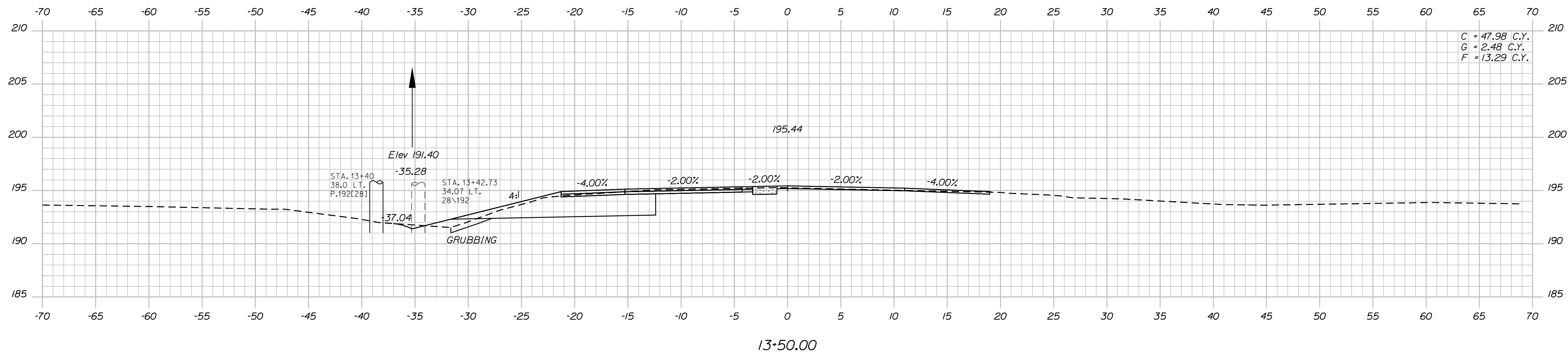
CROSS SECTIONS

SHEET NUMBER

12

OF 24

| PROJ. MANAGER    | D. COOMBS | BY | DATE | SIGNATURE | P.E. NUMBER | DATE |
|------------------|-----------|----|------|-----------|-------------|------|
| DESIGN-DETAILED  | L. DEAGLE |    |      |           |             |      |
| CHECKED-REVIEWED |           |    |      |           |             |      |
| DESIGN-DETAILED  |           |    |      |           |             |      |
| REVISIONS 1      |           |    |      |           |             |      |
| REVISIONS 2      |           |    |      |           |             |      |
| REVISIONS 3      |           |    |      |           |             |      |
| REVISIONS 4      |           |    |      |           |             |      |
| FIELD CHANGES    |           |    |      |           |             |      |



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

**2628400**

**WIN**  
**26284.00**

## HIGHWAY PLANS

SIGNATURE \_\_\_\_\_

P.E. NUMBER

DATE \_\_\_\_\_

DATE \_\_\_\_\_

BY

D. COOMBS

PROJ. MANAGER

|                  |
|------------------|
| DESIGN-DETAILED  |
| CHECKED-REVIEWED |

|                   |
|-------------------|
| DESIGN2-DETAILED2 |
| DESIGN3-DETAILED3 |

|             |
|-------------|
| REVISIONS 1 |
| REVISIONS 2 |

REVISIONS 3

FIELD CHANGES

CHelsea  
RoUte 17

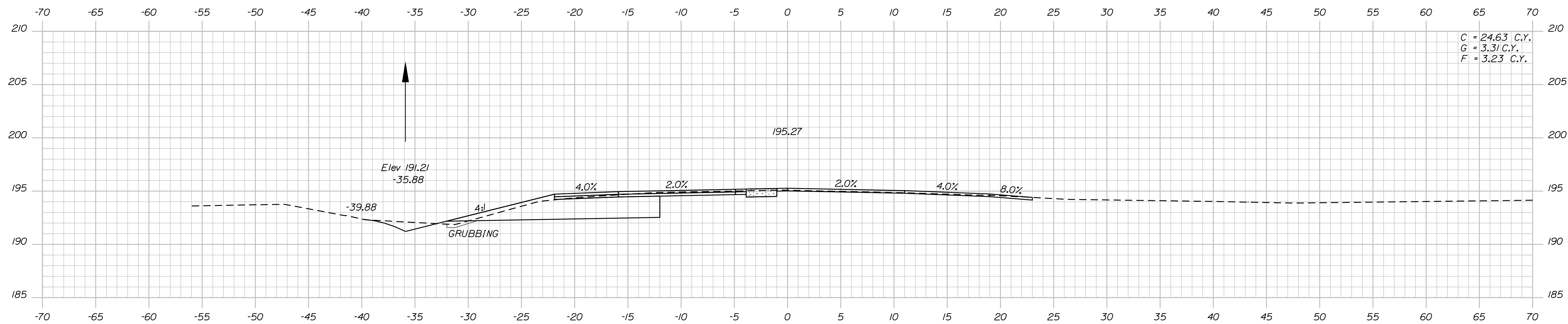
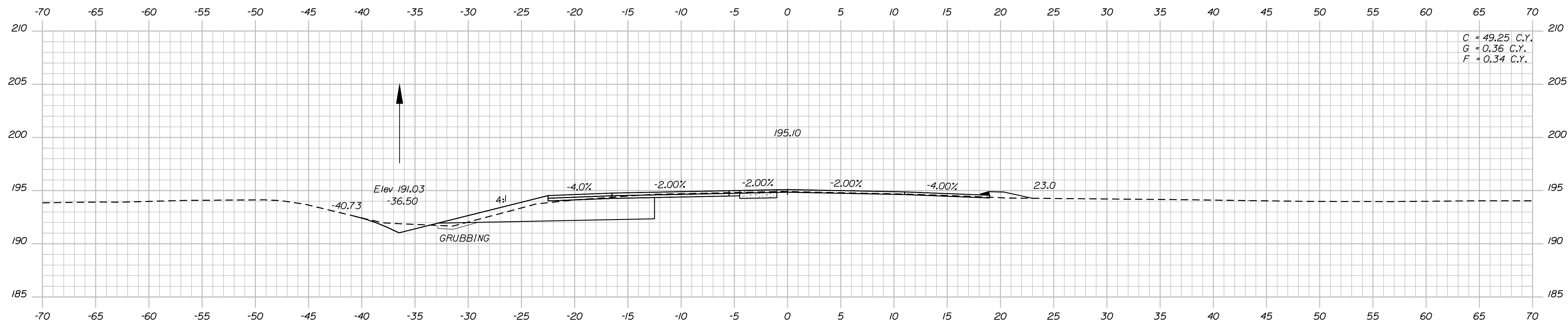
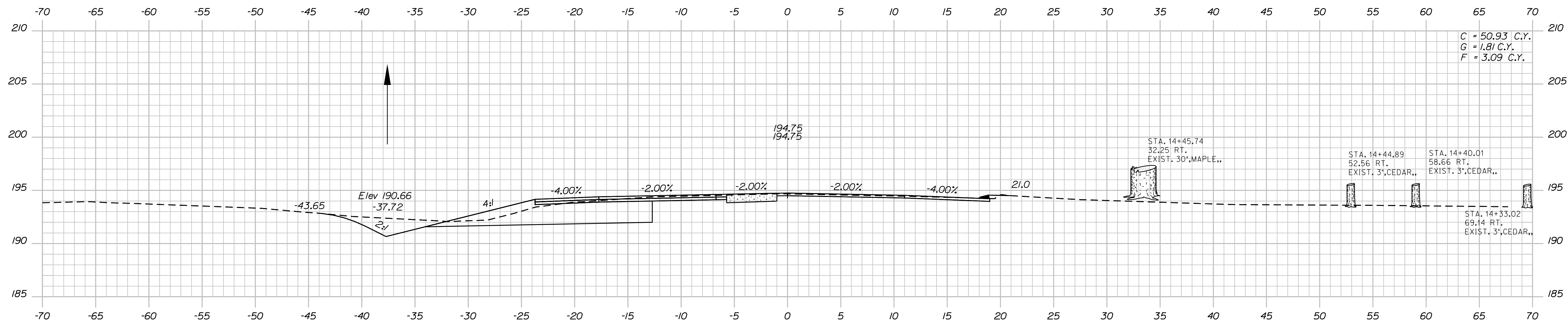
## CROSS SECTIONS

SHEET NUMBER

13

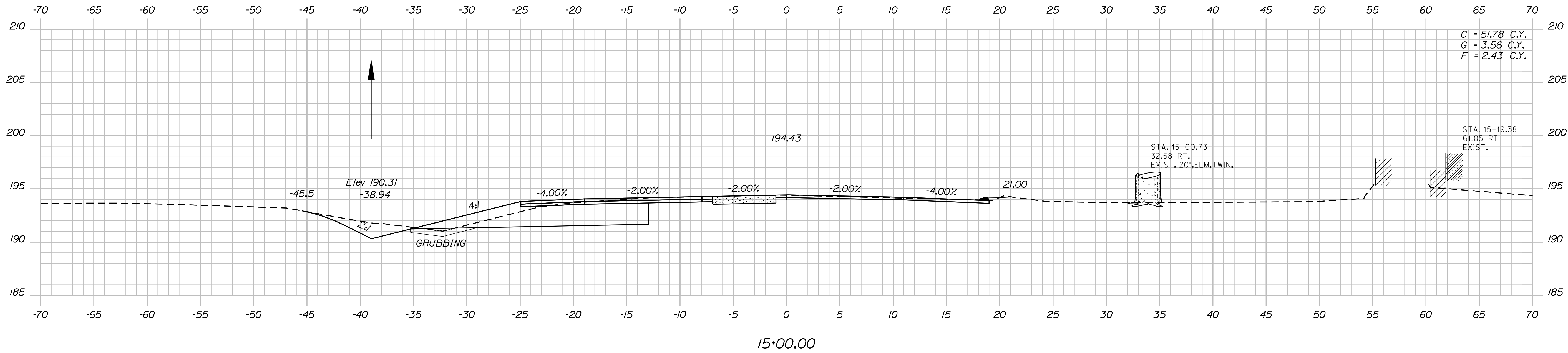
OF 24

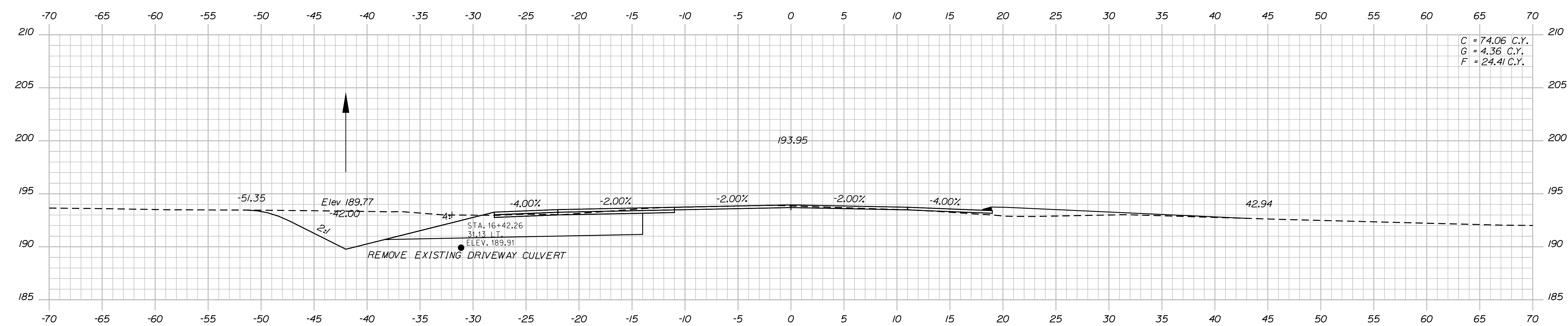
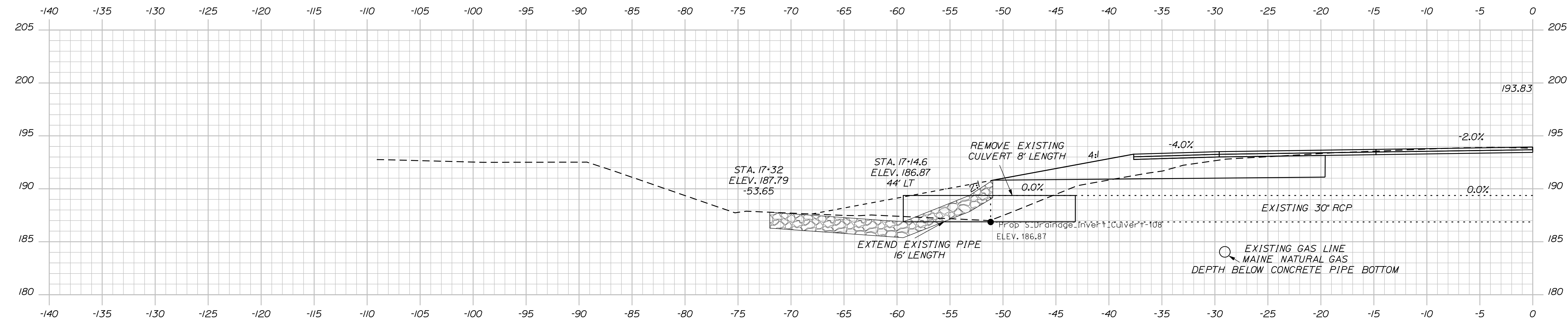
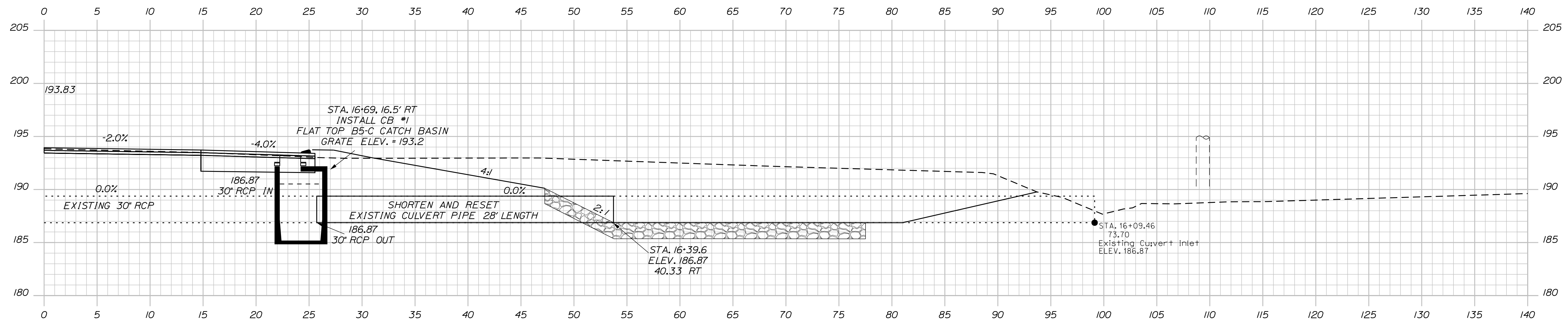
Sta. 12+50.00 to Sta. 13+50.00



| PROJ. MANAGER     | D. COOMBS | BY | DATE |
|-------------------|-----------|----|------|
| DESIGN-DETAILED   | L. DEALE  |    |      |
| CHECKED-REVIEWED  |           |    |      |
| DESIGN2-DETAILED2 |           |    |      |
| DESIGN3-DETAILED3 |           |    |      |
| REVISIONS 1       |           |    |      |
| REVISIONS 2       |           |    |      |
| REVISIONS 3       |           |    |      |
| REVISIONS 4       |           |    |      |
| FIELD CHANGES     |           |    |      |

|                             |
|-----------------------------|
| <p>CHELSEA<br/>ROUTE 17</p> |
| <p>CROSS SECTIONS</p>       |





STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

**2628400**

**WIN**  
**26284.00**

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SIGNATURE

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P.E. NUMBER

DATE \_\_\_\_\_

| PROJ. MANAGER    | D. COOMBS | BY | DATE |
|------------------|-----------|----|------|
| DESIGN-DETAILED  | L. DEAGLE |    |      |
| CHECKED-REVIEWED |           |    |      |

| PROJ. MANAGER    | D. COOMBS | BY | DATE |
|------------------|-----------|----|------|
| DESIGN-DETAILED  | L. DEAGLE |    |      |
| CHECKED-REVIEWED |           |    |      |

CHelsea  
RoUte 17

## CROSS SECTIONS

SHEET NUMBER

16

OF 24

Sta. 16+50.00 to Sta. 17+00.00

Date:11/26/2024

Username: common

Division: HIGHWAY

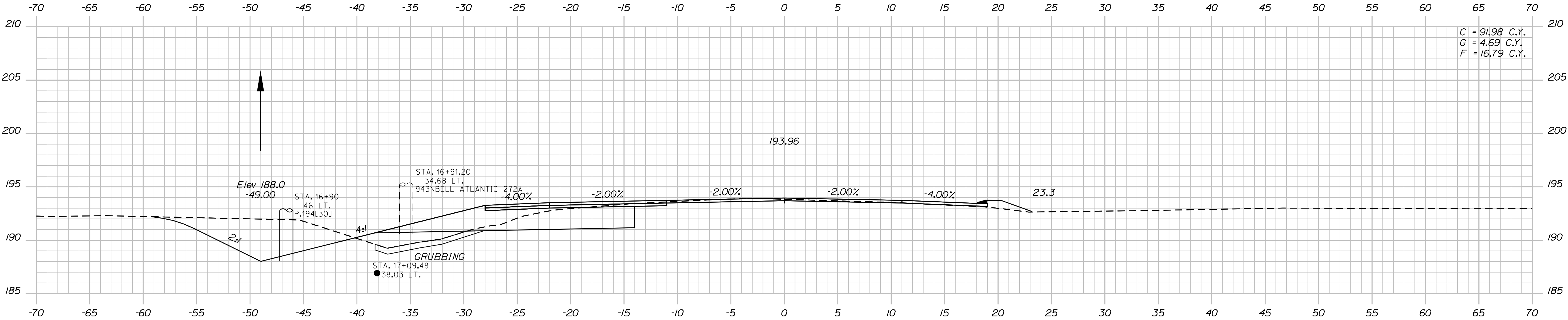
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Date:11/26/2024

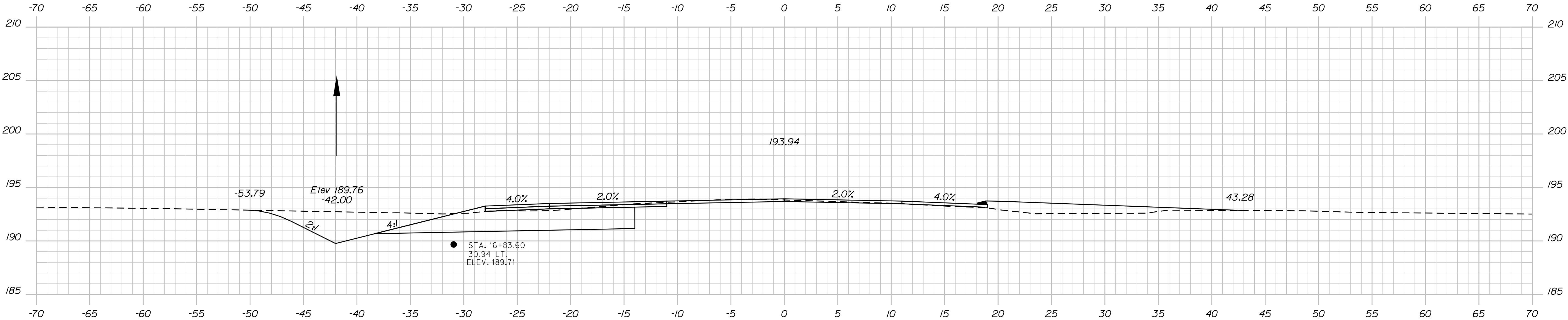
Username: common

Division: HIGHWAY

Filename: ... \MSTA\017\_XSECT\_16+75\_007.dgn



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G = 4.69 C.Y.  
F = 16.79 C.Y.

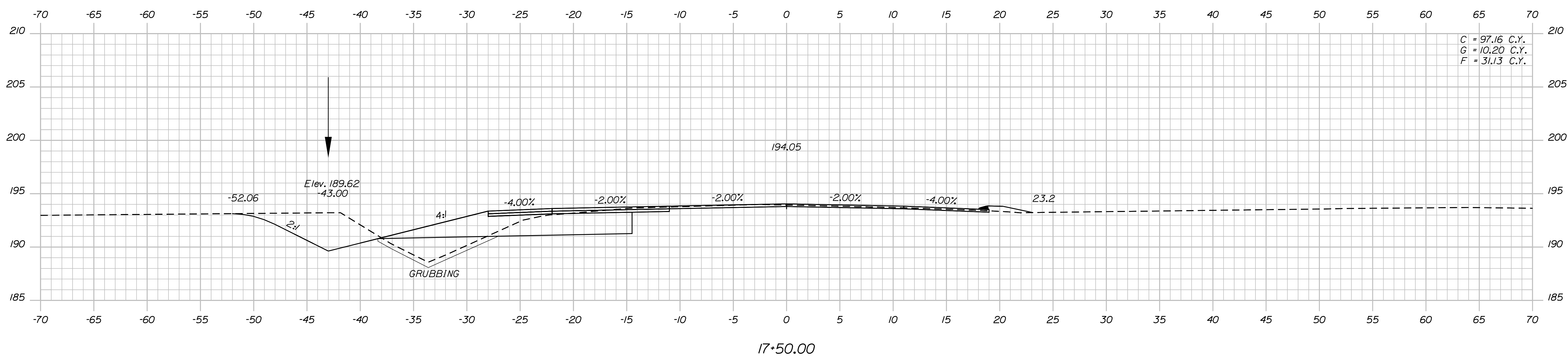
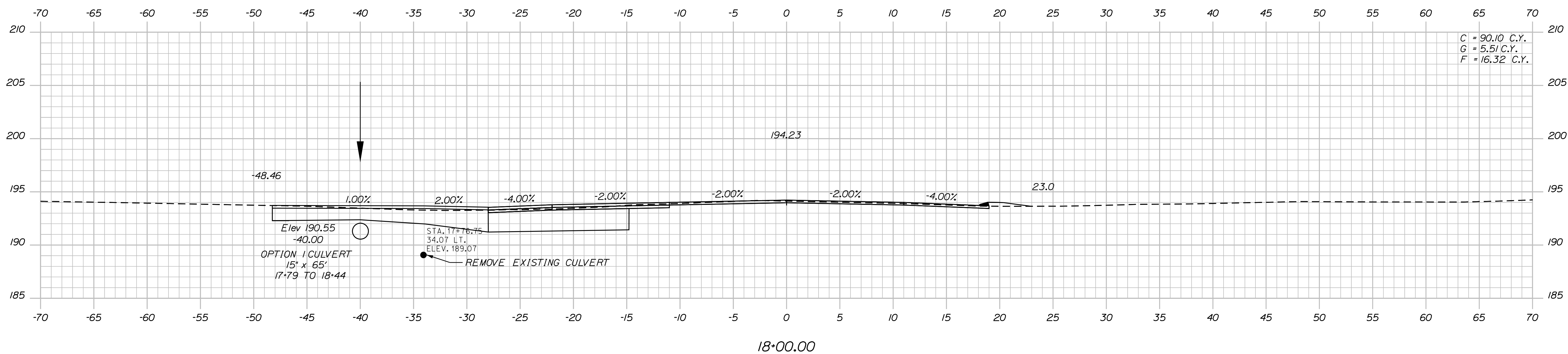
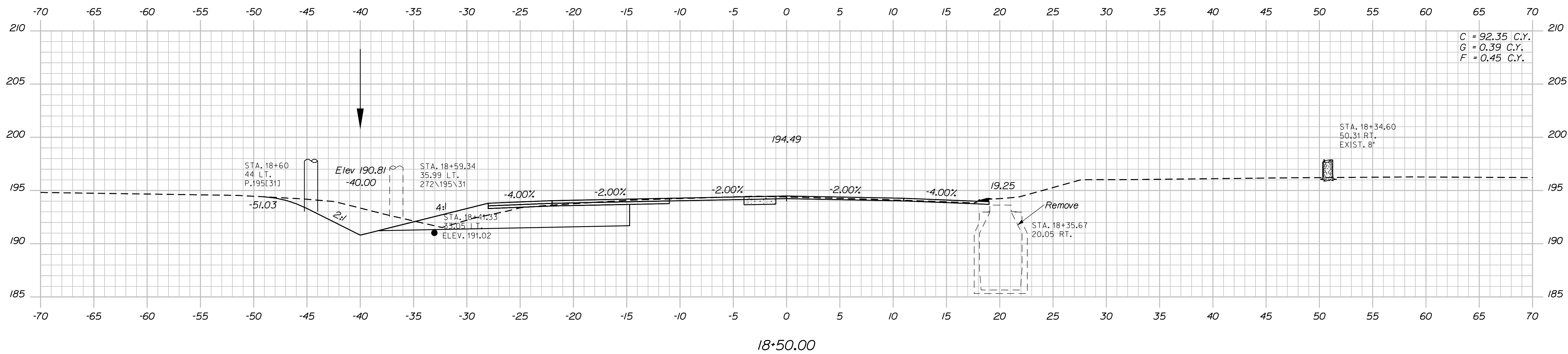


|                              |               |
|------------------------------|---------------|
| STATE OF MAINE               |               |
| DEPARTMENT OF TRANSPORTATION |               |
| 2628400                      |               |
| WIN                          | HIGHWAY PLANS |
| 26284.00                     |               |

|                 |           |    |      |             |
|-----------------|-----------|----|------|-------------|
| PROJ. MANAGER   | D. COOMBS | BY | DATE | SIGNATURE   |
|                 |           |    |      | P.E. NUMBER |
| DESIGN-DETAILED | L. DEAGLE |    |      | DATE        |
|                 |           |    |      |             |
|                 |           |    |      |             |
|                 |           |    |      |             |

|                |  |
|----------------|--|
| CHELSEA        |  |
| ROUTE 17       |  |
| CROSS SECTIONS |  |

|              |  |
|--------------|--|
| SHEET NUMBER |  |
| 17           |  |
| OF 24        |  |



|                              |               |
|------------------------------|---------------|
| STATE OF MAINE               |               |
| DEPARTMENT OF TRANSPORTATION |               |
| 2628400                      |               |
| WIN                          |               |
| 26284.00                     | HIGHWAY PLANS |

| PROJ. MANAGER     | D. COOMBS | BY | DATE        |
|-------------------|-----------|----|-------------|
| DESIGN-DETAILED   | L. DEAGLE |    |             |
| CHECKED-REVIEWED  |           |    |             |
| DESIGN2-DETAILED2 |           |    |             |
| DESIGN3-DETAILED3 |           |    |             |
| REVISIONS 1       |           |    |             |
| REVISIONS 2       |           |    |             |
| REVISIONS 3       |           |    |             |
| REVISIONS 4       |           |    |             |
| FIELD CHANGES     |           |    |             |
|                   |           |    | SIGNATURE   |
|                   |           |    | P.E. NUMBER |
|                   |           |    | DATE        |

|                             |
|-----------------------------|
| <p>CHELSEA<br/>ROUTE 17</p> |
| <p>CROSS SECTIONS</p>       |

SHEET NUMBER

18

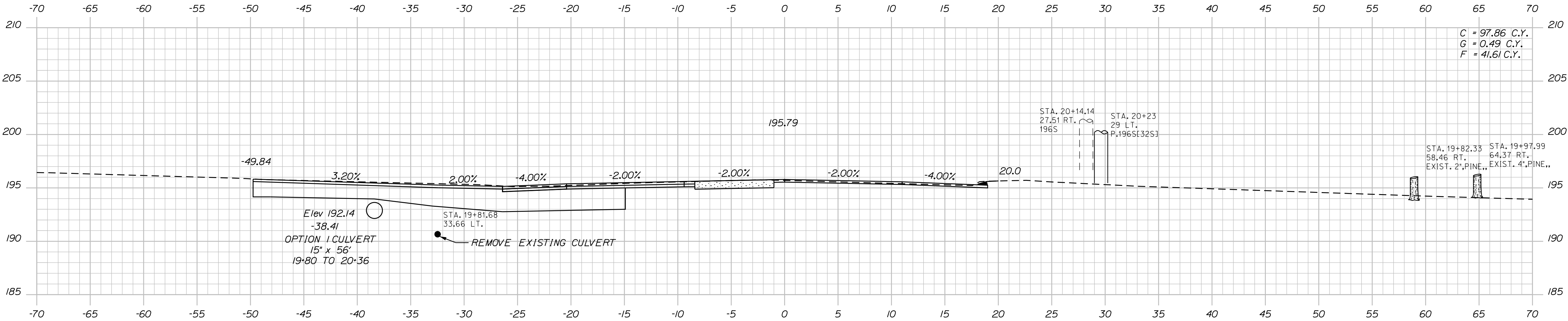
OF 24

Date:11/26/2024

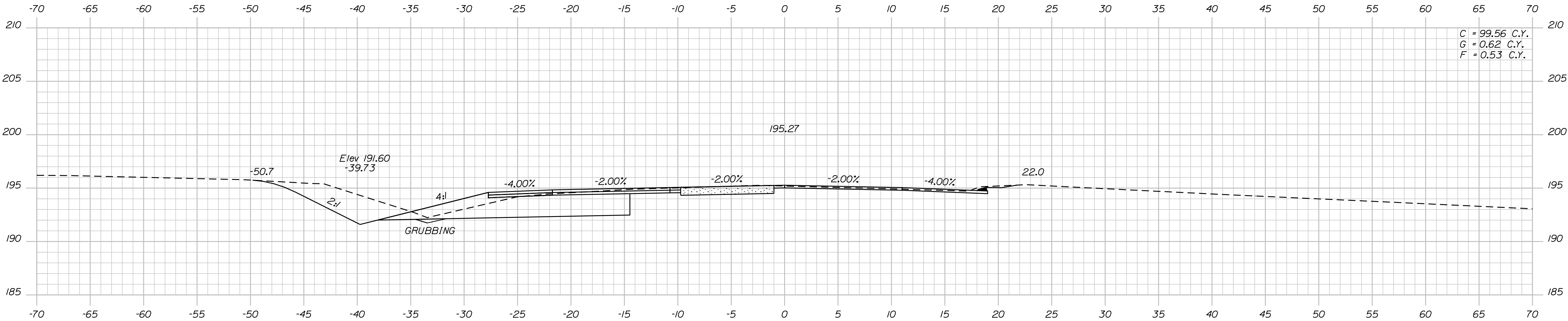
Username: common

Division: HIGHWAY

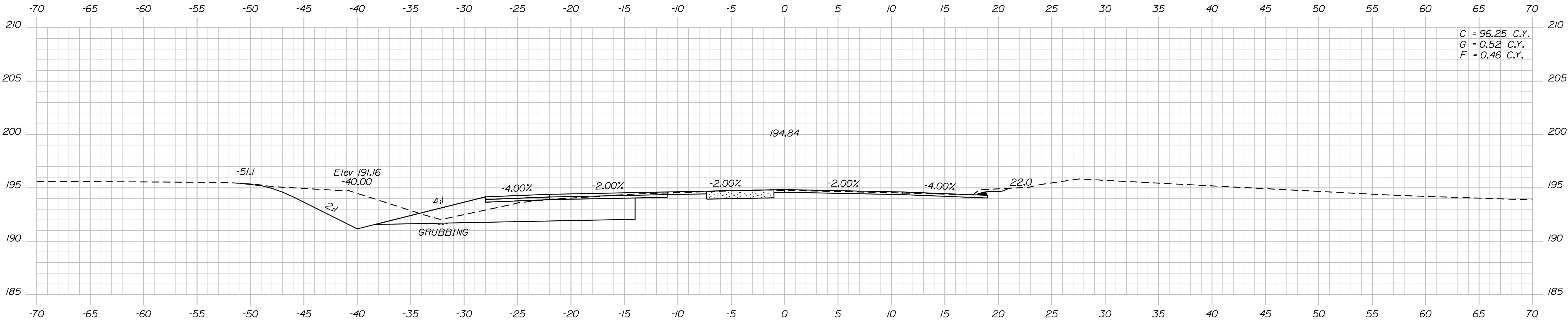
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20+00.00



19+50.00



19+00.00

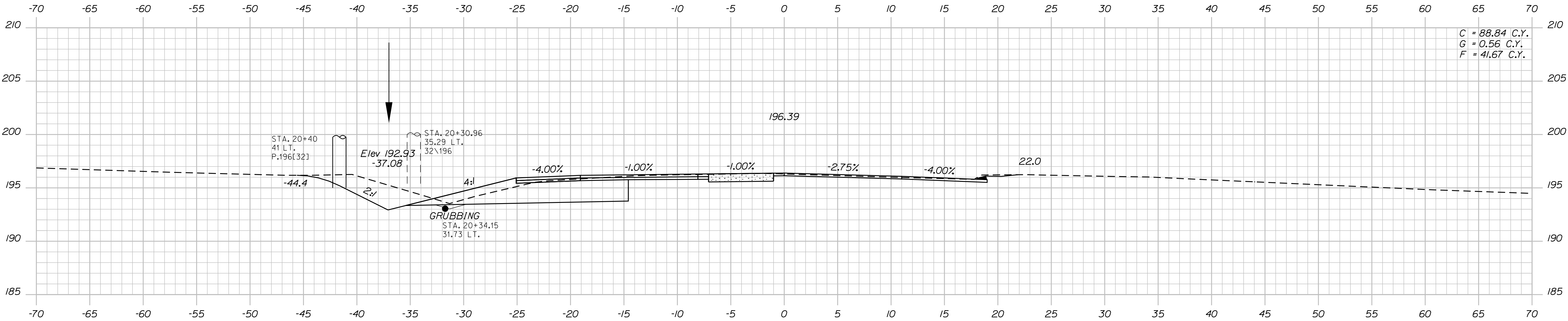
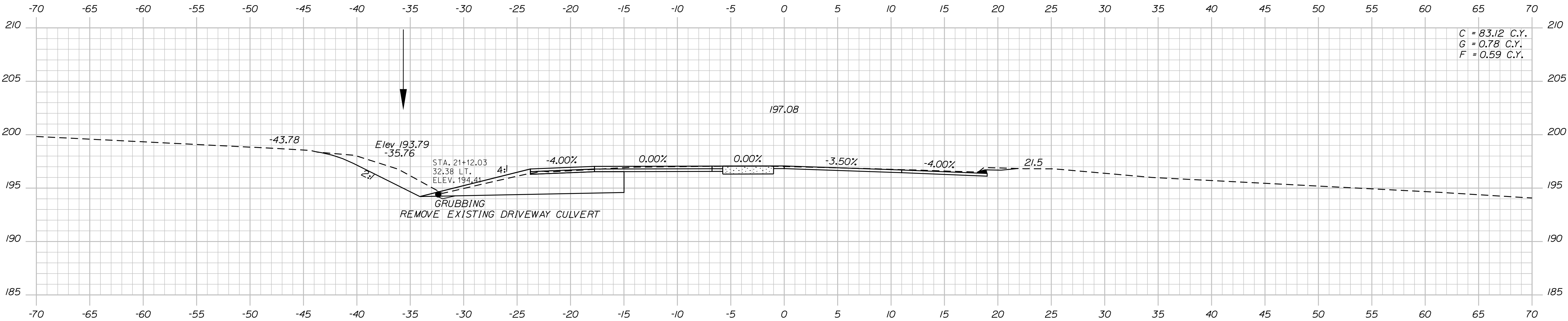
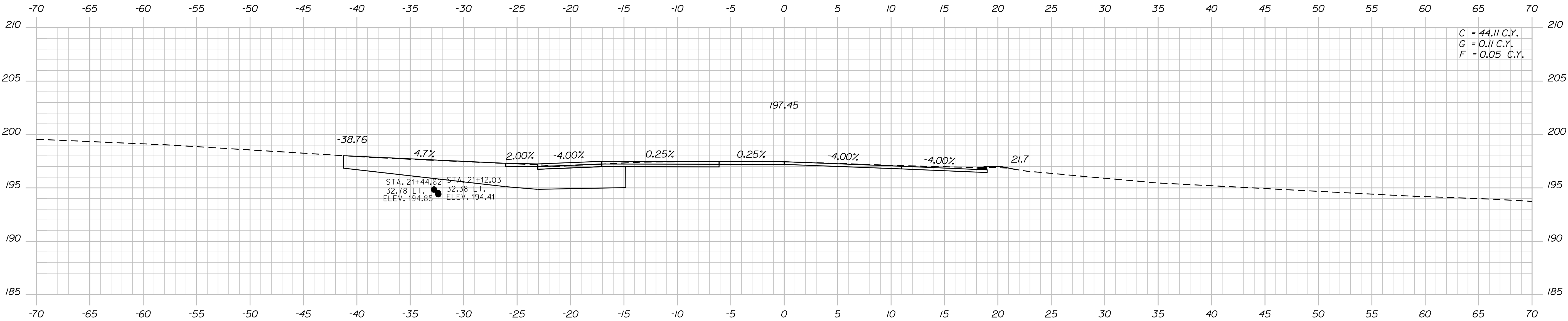
| PROJ. MANAGER     | DESIGNED  | CHECKED | DATE | BY | DATE |
|-------------------|-----------|---------|------|----|------|
| D. COOMBS         | L. DEAGLE |         |      |    |      |
| CHECKED-REVIEWED  |           |         |      |    |      |
| DESIGNED-DETAILED |           |         |      |    |      |
| REVISIONS 1       |           |         |      |    |      |
| REVISIONS 2       |           |         |      |    |      |
| REVISIONS 3       |           |         |      |    |      |
| REVISIONS 4       |           |         |      |    |      |
| FIELD CHANGES     |           |         |      |    |      |

Date:11/26/2024

Username: common

Division: HIGHWAY

Filename: ... \MSTAD20\_XSECT\_20+50\_010.dgn



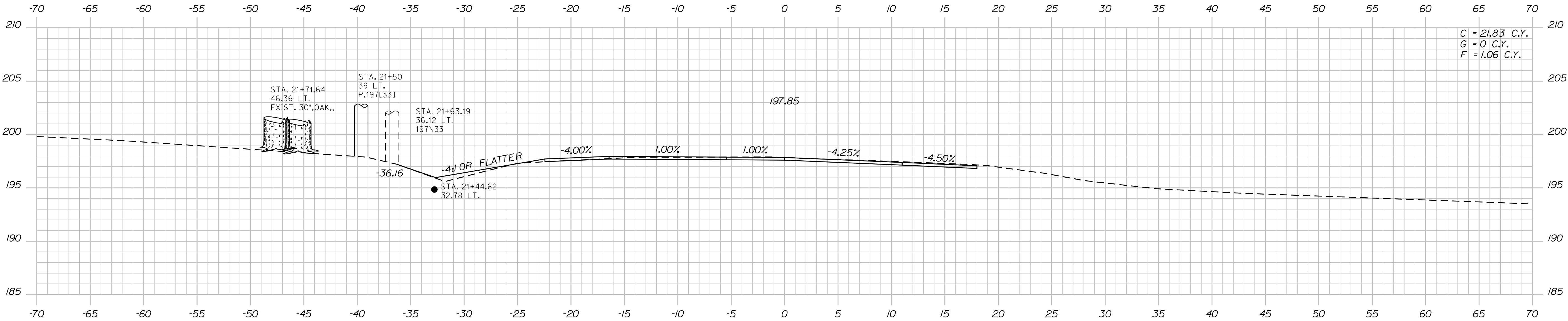
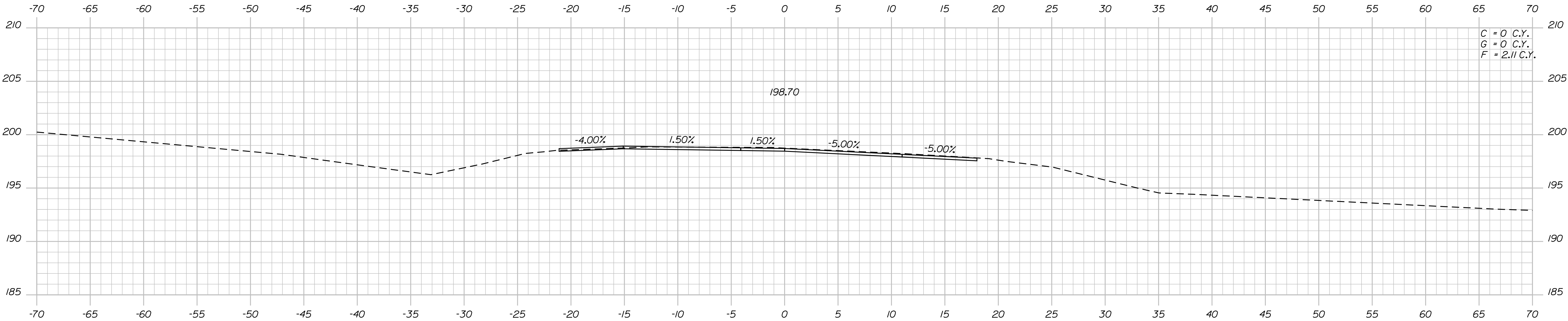
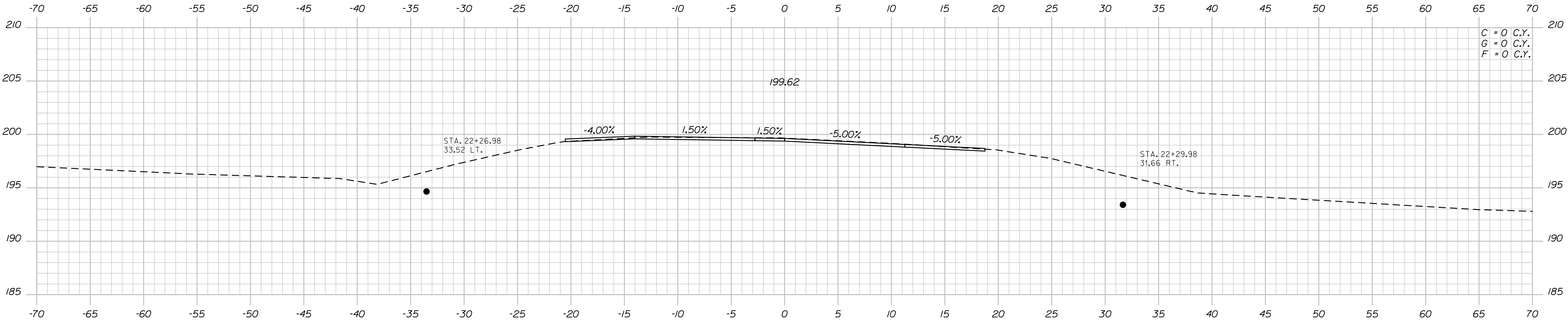
| PROJ. MANAGER | DESIGN-DETAILED | CHECKED-REVIEWED | DESIGN-DETAILED | REVISIONS 1 | REVISIONS 2 | REVISIONS 3 | REVISIONS 4 | FIELD CHANGES |
|---------------|-----------------|------------------|-----------------|-------------|-------------|-------------|-------------|---------------|
| D. COOMBS     | L. DEAGLE       |                  |                 |             |             |             |             |               |
| BY            | DATE            | SIGNATURE        | P.E. NUMBER     | DATE        |             |             |             |               |

Date:11/26/2024

Username: common

Division: HIGHWAY

Filename: ... \MSTAO21\_XSECT\_21+50\_01.dgn



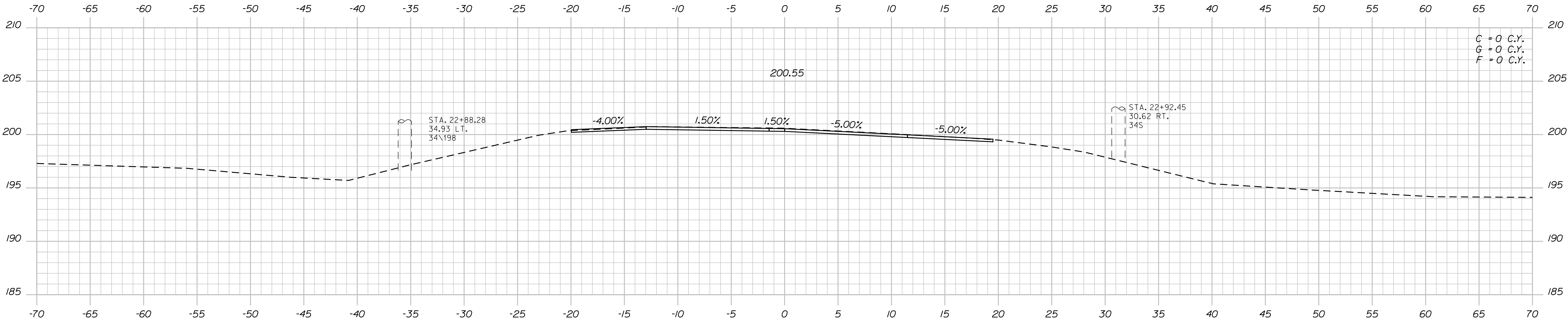
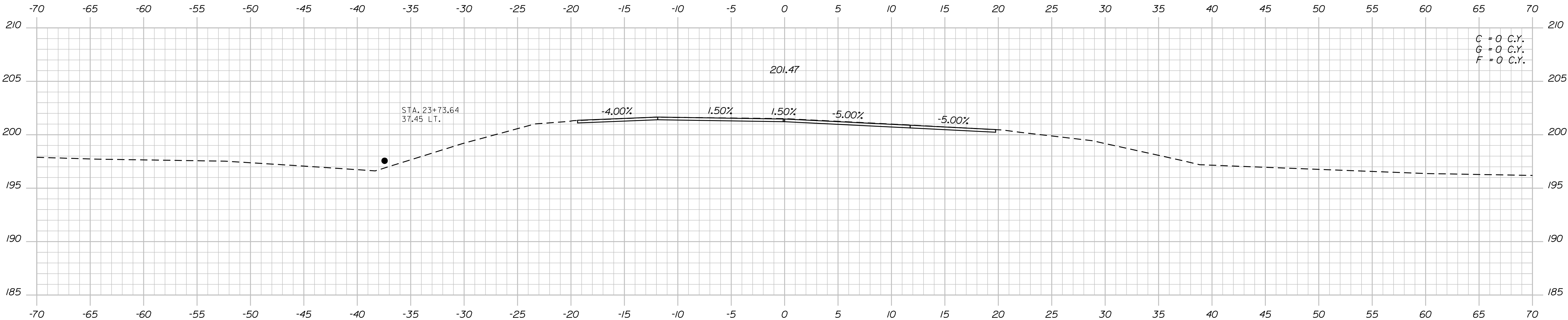
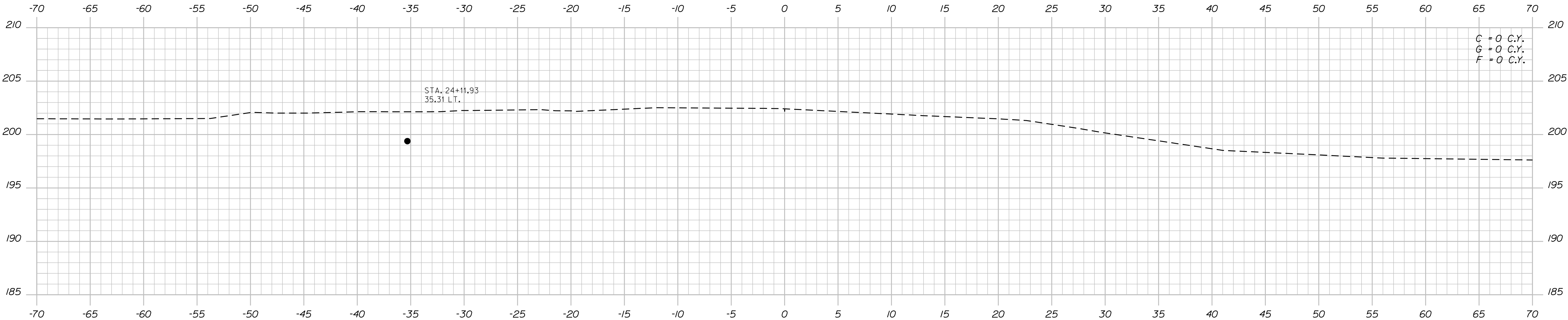
| PROJ. MANAGER | DESIGN-DETAILED | CHECKED-REVIEWED | DESIGN-DETAILED | REVISIONS 1      | REVISIONS 2     | REVISIONS 3 | REVISIONS 4 | FIELD CHANGES |
|---------------|-----------------|------------------|-----------------|------------------|-----------------|-------------|-------------|---------------|
| D. COOMBS     | L. DEAGLE       |                  |                 |                  |                 |             |             |               |
| DATE          | BY              | D. COOMBS        | DESIGN-DETAILED | CHECKED-REVIEWED | DESIGN-DETAILED | REVISIONS 1 | REVISIONS 2 | REVISIONS 3   |
|               |                 |                  |                 |                  |                 |             |             |               |
| SIGNATURE     | P.E. NUMBER     | DATE             |                 |                  |                 |             |             |               |

Date:11/26/2024

Username: common

Division: HIGHWAY

Filename: ... \MSTAD22\_XSECT\_23+00\_012.dgn



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

2628400

WIN

26284.00

HIGHWAY PLANS

| PROJ. MANAGER    | D. COOMBS | BY | DATE        |
|------------------|-----------|----|-------------|
| DESIGN-DETAILED  | L. DEAGLE |    |             |
| CHECKED-REVIEWED |           |    | SIGNATURE   |
| DESIGN-DETAILED  |           |    | P.E. NUMBER |
| REVISIONS 1      |           |    | DATE        |
| REVISIONS 2      |           |    |             |
| REVISIONS 3      |           |    |             |
| REVISIONS 4      |           |    |             |
| FIELD CHANGES    |           |    |             |

CHELSEA

ROUTE 17

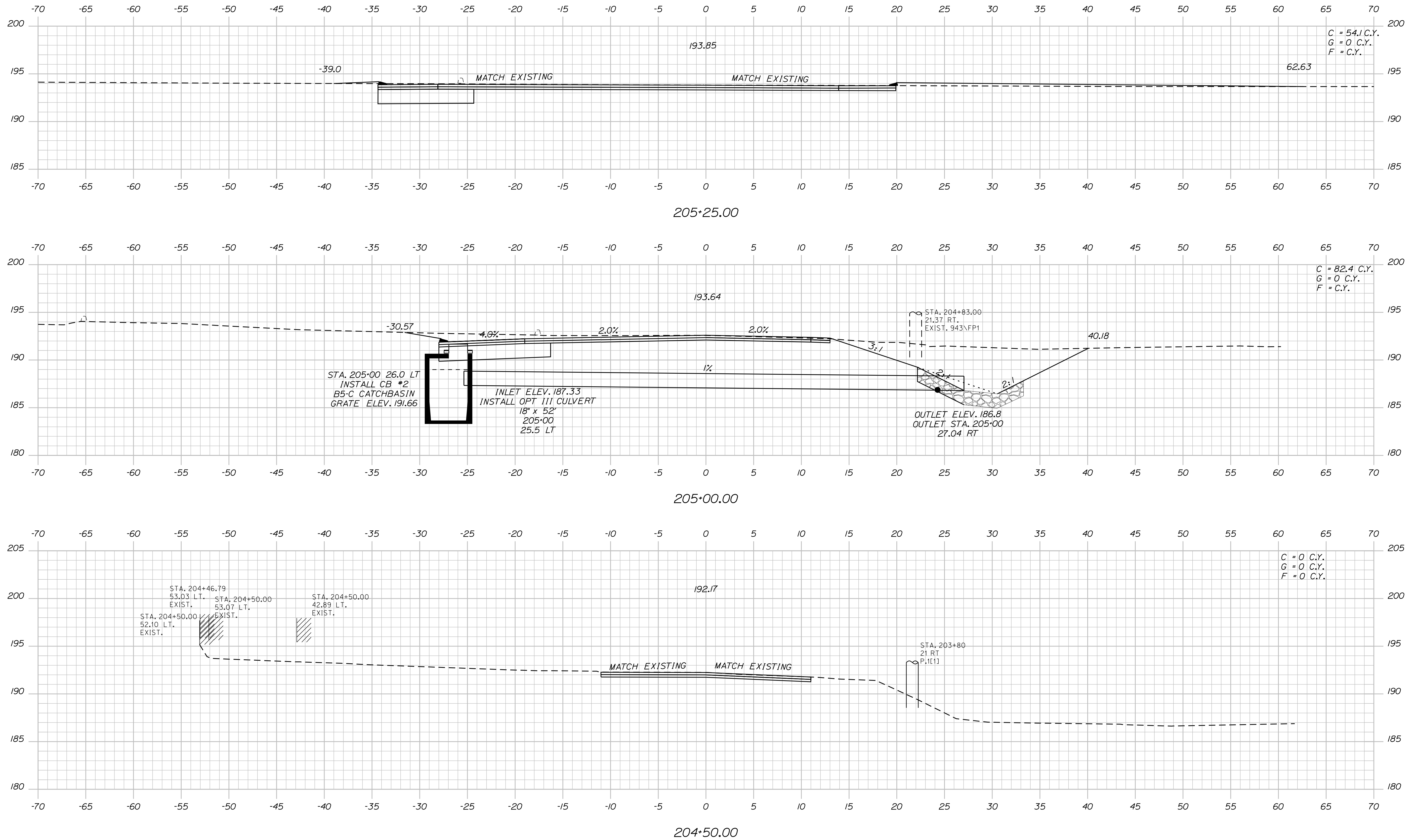
CROSS SECTIONS

SHEET NUMBER

22

OF 24

Filename: ... \MSTA\023\_XSECT\_204+50\_001.dgn



**WIN**  
**26284.00**

DATE \_\_\_\_\_

|               |  |
|---------------|--|
| REVISIONS 3   |  |
| REVISIONS 4   |  |
| FIELD CHANGES |  |

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## CROSS SECTIONS

SHEET NUMBER

23

OF 24

Sta. 204+50.00 to Sta. 205+50.00

Date:11/26/2024

Username: common

Division: HIGHWAY

Filenome: ... \HIGHWAY\MSTA024\_RWPLAN1.dgn

