

Oversight / NHS

FHWA FULL OVERSIGHT? NO YES
NATIONAL HIGHWAY SYSTEM? NO YES

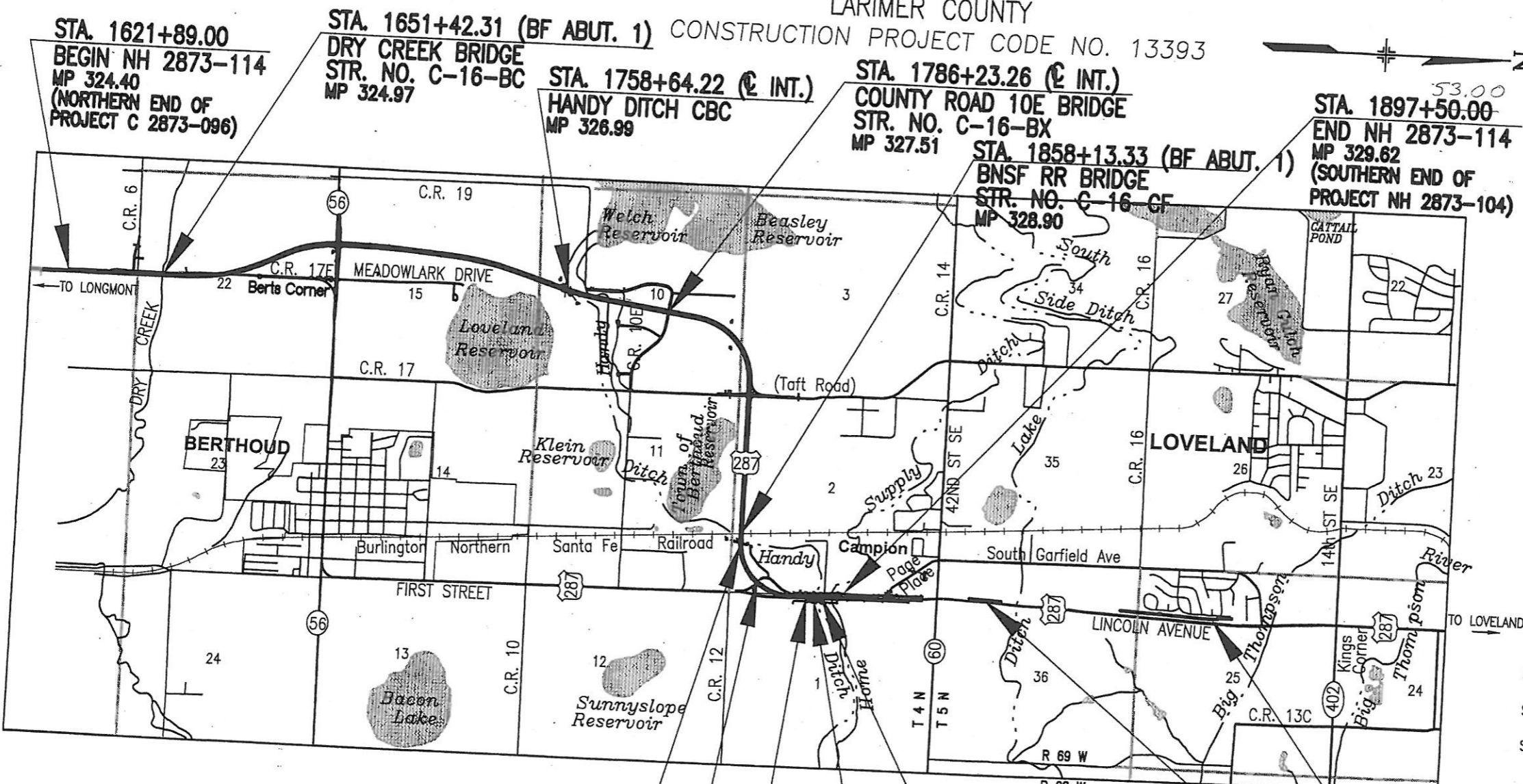
DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED *As Constructed* FEDERAL AID PROJECT NO. NH 2873-114

US HIGHWAY 287
LARIMER COUNTY

Related Projects:
P. E. UNDER PROJECT:
Project Number NH 2873-068
Project Code 91309

R.O.W. Projects:
R.O.W. Project Description
Project Number NH 2873-068
Project Code 91309



VOLUME 1

(R-2) SHEET REVISION LIST

REVISION 1 LIST (97 SHEETS):
REVISED SHEETS: 1, 4, 46, 47, 48, 49, 50, 51, 52, 53, 54, 58, 63, 64, 66, 67, 68, 69, 70, 71, 74, 75, 76, 82, 83, 84, 86, 87, 114, 115, 166, 211, 350, 351, 352, 358, 367, 369, 370, 396, 402, 404, 405, 406, 407, 408, 409, 411, 432, 433, 462, 465, 466, 525, 527, 559, 595, 627, 628, 644, 655, 656, 665, 680, 690, 697, 698, 699, 710, 716, 718, 719, 720, 722, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740. ADDED SHEETS: ROW UNIT II SHEET 3, ROW UNIT II SHEET 3-A, ROW UNIT II SHEET 3-B, ROW UNIT II SHEET 3-C, ROW UNIT II SHEET 3-D, ROW UNIT II SHEET 3E.

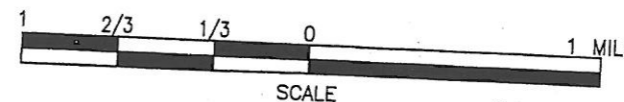
REVISION 2 LIST (51 SHEETS):
REVISED SHEETS: 1, 2, 4, 7, 8, 11, 13, 14, 15, 46, 47, 48, 49, 50, 51, 52, 53, 54, 71, 73, 75, 84, 208, 222, 369, 398, 399, 400, 401, 403, 404, 455, 456, 459, 462, 465, 494, 495, 525, 526, 528, 655, 656, 659, 660, 680, 698, 720, 722.
ADDED SHEETS: 215A, 215B.

NEW AND REVISED STANDARD PLANS

- M-606-14 PRECAST TYPE 7 CONCRETE BARRIER (JULY 02, 2002) (3 SHEETS)
- S-614-2 CLASS 1 GROUND SIGN INSTALLATIONS (R-1) (AUGUST 22, 2002) (1 SHEET)
- S-614-40A ALTERNATE TRAFFIC SIGNAL INSTALLATION DETAILS (MARCH 18, 2002) (5 SHEETS)

URS

8181 East Tufts Avenue
Denver, CO 80237-2637
TEL: (303) 694-2770
FAX: (303) 694-3946



STA. 1621+89.00
BEGIN NH 2873-114
MP 324.40
(NORTHERN END OF
PROJECT C 2873-096)

STA. 1651+42.31 (BF ABUT. 1)
DRY CREEK BRIDGE
STR. NO. C-16-BC
MP 324.97

STA. 1758+64.22 (C INT.)
HANDY DITCH CBC
MP 326.99

STA. 1786+23.26 (C INT.)
COUNTY ROAD 10E BRIDGE
STR. NO. C-16-BX
MP 327.51

STA. 1897+50.00
END NH 2873-114
MP 329.62
(SOUTHERN END OF
PROJECT NH 2873-104)

STA. 1861+80.94 (C INT.)
HANDY DITCH CBC
MP 328.94

STA. 1891+97.54 (C INT.)
HOME SUPPLY CBC
MP 329.52

DERBY HILL WALL
WALL C-16-G

STA. 1873+13.32 (BF ABUT. 1)
FIRST STREET BRIDGE
STR. NO. C-16-CK
MP 329.16

STA. 1888+03.61 (C INT.)
HANDY DITCH CBC
MP 329.44

ROSS ESTATES WALL
WALL C-16-F

DRAWING PATH: I:\684434\1\SEG2\CAD\PLANS\REV\REV_2_GETS01.DWG

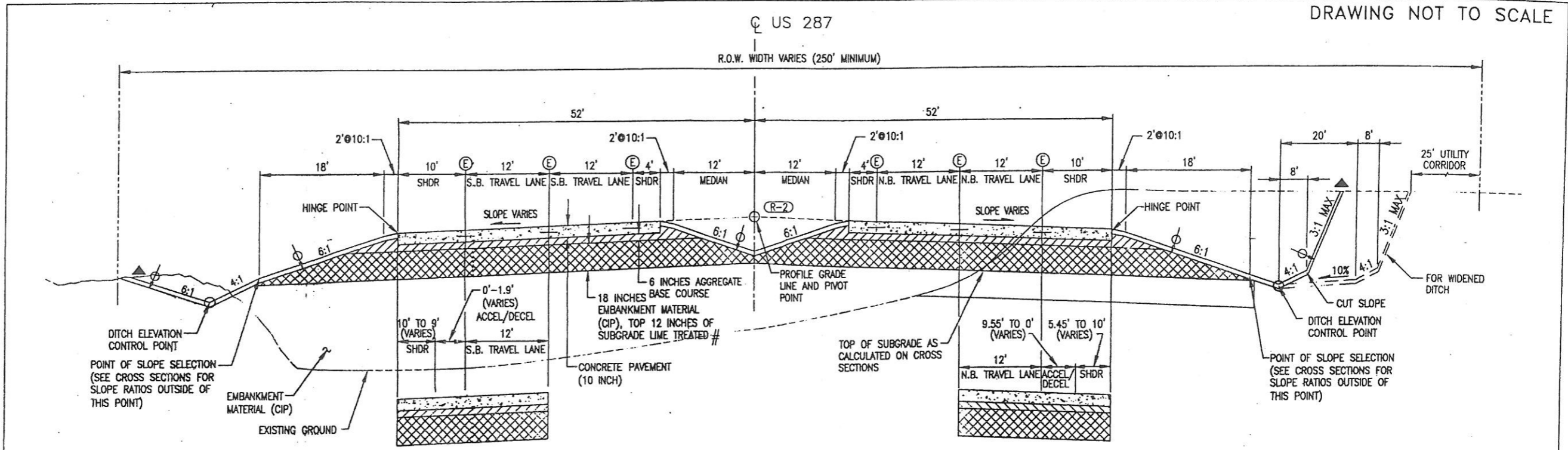
Computer File Information

Creation Date: 3/03/99 Initials: KDB
Last Modification Date: 09/27/02 14:17 Initials: R.A.H.
Full Path: SEE SHEET MARGIN
Drawing File Name: GETS01.DWG
Acad Ver. R14 Scale: AS SHOWN Units: ENGLISH

| Sheet Revisions | | |
|-----------------|---------|-----------------------------------|
| (R-1) | 9/18/02 | ADDED S-614-2 . S.C.E. |
| (R-2) | 9/27/02 | ADDED REVISION SHT. LIST . S.C.E. |
| (R-) | | |
| (R-) | | |
| (R-) | | |

Colorado Department of Transportation
2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289
Region 4 S.C.E.

| As Constructed | Contract Information | Project No./Code |
|-------------------|--|------------------|
| No Revisions: | Contractor - SEMA Construction | NH 2873-114 |
| Revised: 04-15-08 | Resident Engineer - Scott Ellis | |
| Void: | Project Engineer - GRAM CURRIS | 13393 |
| | PROJECT STARTED - 12/16/2002 ACCEPTED - 04/15/2008 | Sheet Number 1 |
| | Comments: - | |

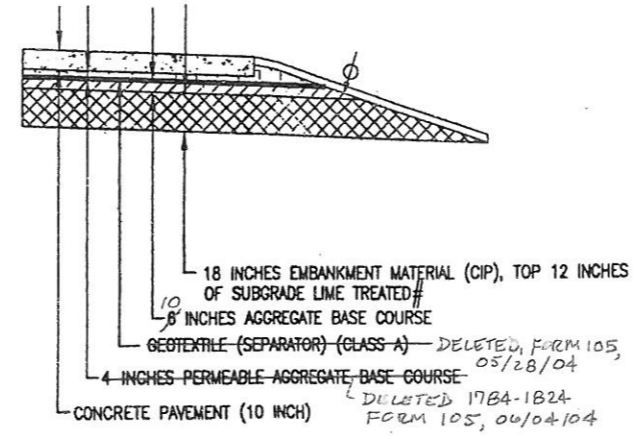


TYPICAL SECTION LEGEND

- ⓔ LONGITUDINAL CONTRACTION JOINT, SEE STANDARD PLAN M-412-1
- 30 INCH TIE BAR
- # LIME TREATED SUBGRADE SHALL BE CONTINUOUS UNDER CONCRETE PAVEMENT, AND EXTEND NOT LESS THAN 3 - FEET OUTSIDE EDGE OF CONCRETE PAVEMENT.
- ▲ BREAK POINTS IN SLOPES AND BOTTOM OF DITCHES AND TOP OF SLOPES SHALL BE ROUNDED DURING CONSTRUCTION FOR A PLEASING APPEARANCE.
- VERTICAL ALIGNMENT CONTROL POINTS
- ⊕ THE CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL ON TOP OF THIS ELEVATION AFTER COMPLETION OF PAVING OPERATIONS
- ▣ CONCRETE PAVEMENT (10 INCH)
- ▤ PERMEABLE AGGREGATE BASE COURSE
- ▥ AGGREGATE BASE COURSE (CLASS 6)
- ▧ EMBANKMENT MATERIAL (CIP), TOP 12 INCHES OF SUBGRADE LIME TREATED #
- GEOTEXTILE (SEPARATOR) (CLASS A)

SHOULDER DETAIL
STA. 1804+33.60 TO STA. 1804+81.41

US 287 TYPICAL SECTION
STA. 1711+22.05 TO STA. 1804+81.41
08.00



PAVEMENT SECTION DETAIL
STA. 1784+00.00 TO STA. 1804+81.41

SHOULDER DETAIL
STA. 1711+22.05 TO STA. 1713+49.37

PAVEMENT DESIGN PARAMETERS

| STABILIZATION DATA | US 287 |
|-------------------------------|-----------|
| 18 K ESAL (30 YEAR): | 5,593,370 |
| INITIAL SERVICEABILITY: | 4.5 |
| TERMINAL SERVICEABILITY: | 2.5 |
| PCC MODULUS OF RUPTURE (PSI): | 650 |
| PCC ELASTIC MODULUS (PSI): | 3,400,000 |
| STATIC K-VALUE (PSI/IN): | 51 |
| RELIABILITY (%): | 95 |
| OVERALL STANDARD DEVIATION: | 0.34 |
| LOAD TRANSFER COEFFICIENT: | 2.8 |
| OVERALL DRAINAGE COEFFICIENT: | 1 |

TYPICAL SECTION NOTES


1. SEE US 287 ROADWAY PROFILE AND CROSS SECTIONS FOR PAVEMENT CROSS SLOPE.
2. THE GRADIENT AND WIDTH OF ROADWAY DITCHES, EXCAVATION AND EMBANKMENT SLOPE RATIOS MAY BE ADJUSTED BY THE ENGINEER TO ASSURE ADEQUATE DRAINAGE AND SLOPE STABILITY.
3. ALL STATIONING IN FEET.

DRAWING PATH: I:\684\341\SEC2\CAD\PLANS\REV\REV 2\01_US287\RDY07.DWG

| Computer File Information | |
|---------------------------|---------------------------------|
| Creation Date: | 11/21/00 Initials: CGE |
| Last Modification Date: | 09/25/02 10:50 Initials: C.E.F. |
| Full Path: | SEE SHEET MARGIN |
| Drawing File Name: | RDY07.DWG |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | | | |
|-----------------|----------|--------------------------|--------|
| CR-2 | 9/27/02 | CORRECT TOPSOIL @ MEDIAN | S.C.E. |
| CR- | 11/12/03 | SEMA VECP | MOB |
| CR- | 12/29/03 | SEMA VECP | MOB |
| CR- | | CMO # 10 | |

Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

| As Constructed |
|-------------------|
| No Revisions: |
| Revised: 04-15-08 |
| Void: |

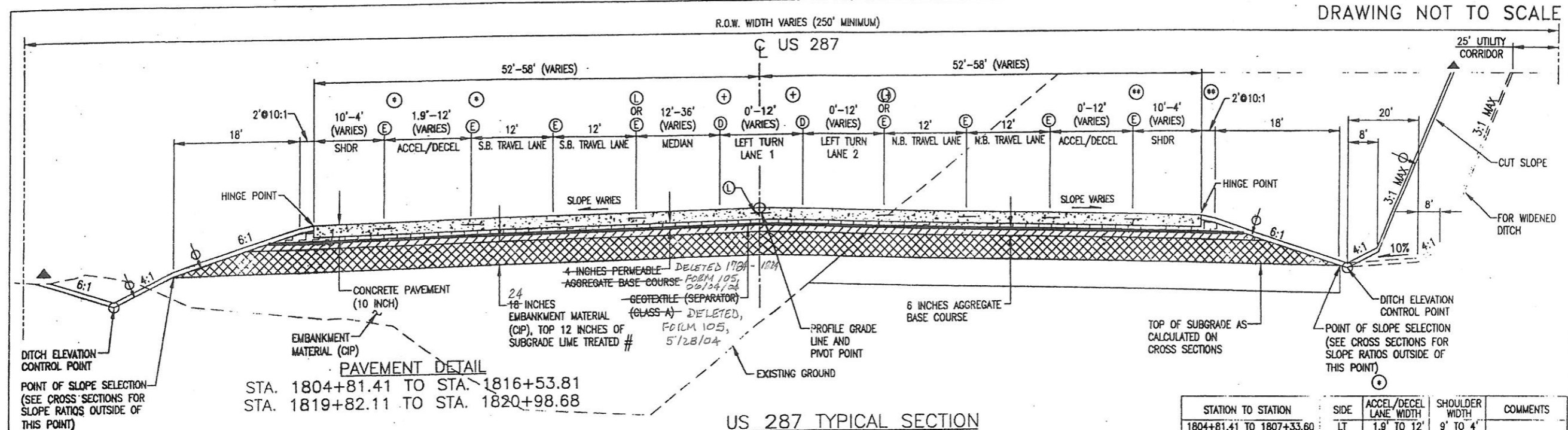
| Typical Section US 287 | |
|------------------------|-----------|
| Designer: | R. NELSON |
| Detailer: | W. LIM |
| Sheet Subset: | TYPICALS |
| Subset Sheets: | 7 of 15 |

| Project No./Code | |
|------------------|---------|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 11VECPX |



Mark W. Ernsch, P.E.
Colorado Registration No. 23767

DRAWING NOT TO SCALE



PAVEMENT DETAIL
 STA. 1804+81.41 TO STA. 1816+53.81
 STA. 1819+82.11 TO STA. 1820+98.68

US 287 TYPICAL SECTION
 STA. 1804+81.41 TO STA. 1820+98.68
 STA. 1820+98.68 TO STA. 1824+00.00
 (SEE US 287/CR 17 INTERSECTION ALIGNMENT SHEET)

| STATION TO STATION | SIDE | ACCEL/DECEL LANE WIDTH | SHOULDER WIDTH | COMMENTS |
|--------------------------|------|------------------------|----------------|--------------|
| 1804+81.41 TO 1807+33.60 | LT | 1.9' TO 12' | 9' TO 4' | |
| 1807+33.60 TO 1818+53.60 | LT | 12' | 4' | |
| 1818+53.60 TO 1818+97.83 | LT | 12' TO 15' | 4' | |
| 1818+97.83 TO 1819+82.11 | LT | - | - | GORE AREA |
| 1819+82.11 TO 1820+98.68 | LT | 0' | 10' | |
| 1820+98.68 TO 1824+00.00 | LT | - | - | INTERSECTION |

| STATION TO STATION | LEFT TURN LANE 1 | LEFT TURN LANE 2 | MEDIAN WIDTH | MEDIAN TYPE | COMMENTS |
|--------------------------|------------------|------------------|--------------|----------------------|----------|
| 1804+81.41 TO 1804+95.41 | 0' | 0' | 36' | DEPRESSED TO PAINTED | |
| 1804+95.41 TO 1807+79.36 | 0' | 0' TO 12' | 36' TO 24' | PAINTED | |
| 1807+79.36 TO 1810+81.42 | 0' TO 12' | 12' | 24' TO 12' | PAINTED | |
| 1810+81.42 TO 1820+98.68 | 12' | 12' | 12' | PAINTED | |

| STATION TO STATION | SIDE | ACCEL/DECEL LANE WIDTH | SHOULDER WIDTH | COMMENTS |
|--------------------------|------|------------------------|----------------|--------------|
| 1804+81.41 TO 1810+98.48 | RT | 0' | 10' | |
| 1810+98.48 TO 1813+98.48 | RT | 0' TO 12' | 10' TO 4' | |
| 1813+98.48 TO 1820+98.68 | RT | 12' | 4' | |
| 1820+98.68 TO 1824+00.00 | RT | 12' | 4' | INTERSECTION |

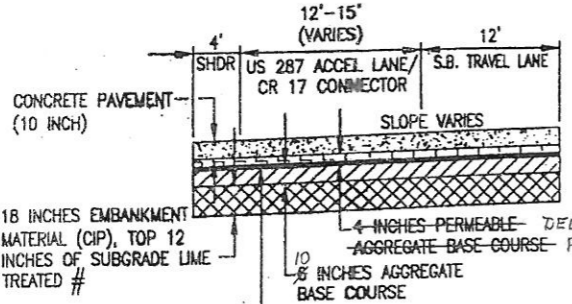
- TYPICAL SECTION LEGEND**
- ⓪ LONGITUDINAL CONSTRUCTION JOINT, (KEYWAY) SEE STANDARD PLAN M-412-1
 - ⓔ LONGITUDINAL CONTRACTION JOINT, SEE STANDARD PLAN M-412-1
 - Ⓛ LONGITUDINAL CONSTRUCTION JOINT, SEE STANDARD PLAN M-412-1
 - 30 INCH TIE BAR
 - # LIME TREATED SUBGRADE SHALL BE CONTINUOUS UNDER CONCRETE PAVEMENT, AND EXTEND NOT LESS THAN 3 - FEET OUTSIDE EDGE OF CONCRETE PAVEMENT.
 - VERTICAL ALIGNMENT CONTROL POINTS
 - THE CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL ON TOP OF THIS ELEVATION AFTER COMPLETION OF PAVING OPERATIONS

- ☐ CONCRETE PAVEMENT (10 INCH)
- ☐ PERMEABLE AGGREGATE BASE COURSE
- ☐ AGGREGATE BASE COURSE (CLASS 6)
- ☐ EMBANKMENT MATERIAL (CIP), TOP 12 INCHES OF SUBGRADE LIME TREATED #
- GEOTEXTILE (SEPARATOR)(CLASS A)
- ☐ HOT BITUMINOUS PAVEMENT

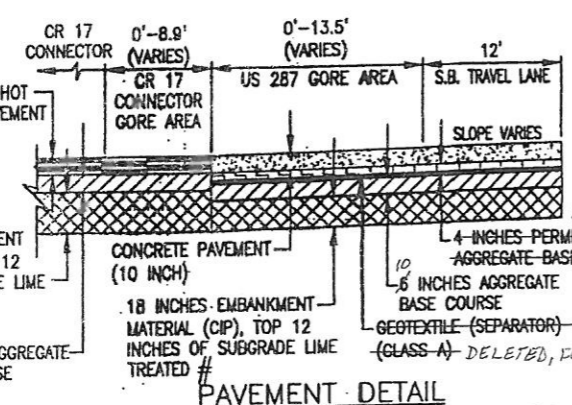
PAVEMENT DESIGN PARAMETERS

| STABILIZATION DATA | US 287 |
|-------------------------------|-----------|
| 18 K ESAL (30 YEAR): | 5,593,370 |
| INITIAL SERVICEABILITY: | 4.5 |
| TERMINAL SERVICEABILITY: | 2.5 |
| PCC MODULUS OF RUPTURE (PSI): | 650 |
| PCC ELASTIC MODULUS (PSI): | 3,400,000 |
| STATIC K-VALUE (PSI/IN): | 51 |
| RELIABILITY (%): | 95 |
| OVERALL STANDARD DEVIATION: | 0.34 |
| LOAD TRANSFER COEFFICIENT: | 2.8 |
| OVERALL DRAINAGE COEFFICIENT: | 1 |

- TYPICAL SECTION NOTES**
- SEE US 287 ROADWAY PROFILE AND CROSS SECTIONS FOR PAVEMENT CROSS SLOPE.
 - THE GRADIENT AND WIDTH OF ROADWAY DITCHES, EXCAVATION AND EMBANKMENT SLOPE RATIOS MAYBE ADJUSTED BY THE ENGINEER TO ASSURE ADEQUATE DRAINAGE AND SLOPE STABILITY.
 - ALL STATIONING IN FEET.
 - FOR HOT BITUMINOUS FULL DEPTH PAVEMENT DETAIL AND HOT BITUMINOUS PAVEMENT DESIGN PARAMETERS, SEE COUNTY ROAD 17 CONNECTOR TYPICAL SECTION.



PAVEMENT DETAIL
 STA. 1816+53.81 TO STA. 1818+97.83



PAVEMENT DETAIL
 STA. 1818+97.83 TO STA. 1819+82.11

I hereby certify that attached Drawings for use on Project NH273-114, US287 AND LANES CR 17 TO CR 18 were prepared by me or under my direct supervision for the Colorado Department of Transportation and to the best of my knowledge and belief they conform to the RULES AND REGULATIONS OF THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS as follows:

Sheet Numbers: 01VECP, 02VECP, 03VECP, 04VECP, 05VECP, 06VECP, 07VECP, 08VECP, 09VECP, 10VECP, 11VECP, 12VECP, 13VECP, 14VECP, 15VECP, 16VECP, 17VECP, 18VECP, 19VECP, 20VECP, 21VECP, 22VECP, 23VECP, 24VECP, 25VECP, 26VECP, 27VECP, 28VECP, 29VECP, 30VECP, 31VECP, 32VECP, 33VECP, 34VECP, 35VECP, 36VECP, 37VECP, 38VECP, 39VECP, 40VECP, 41VECP, 42VECP, 43VECP, 44VECP, 45VECP, 46VECP, 47VECP, 48VECP, 49VECP, 50VECP, 51VECP, 52VECP, 53VECP, 54VECP, 55VECP, 56VECP, 57VECP, 58VECP, 59VECP, 60VECP, 61VECP, 62VECP, 63VECP, 64VECP, 65VECP, 66VECP, 67VECP, 68VECP, 69VECP, 70VECP, 71VECP, 72VECP, 73VECP, 74VECP, 75VECP, 76VECP, 77VECP, 78VECP, 79VECP, 80VECP, 81VECP, 82VECP, 83VECP, 84VECP, 85VECP, 86VECP, 87VECP, 88VECP, 89VECP, 90VECP, 91VECP, 92VECP, 93VECP, 94VECP, 95VECP, 96VECP, 97VECP, 98VECP, 99VECP, 100VECP.



Mark W. Brantley, P.E.
 Colorado Registration No. 28717

DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\1505_TYPICAL_SECTION

Computer File Information

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| Creation Date: | 11/21/00 | Initials: | CGE |
| Last Modification Date: | 08/14/02 9:23 | Initials: | WCL |
| Full Path: | SEE SHEET MARGIN | | |
| Drawing File Name: | RDY08.DWG | | |
| Acad Ver. 2002 | Scale: AS SHOWN | Units: | ENGLISH |

Sheet Revisions

| Rev | Date | Description | By |
|-----|----------|-------------|-----|
| R-1 | 11/12/03 | SEMA VECP | MDB |
| R-2 | 12/29/03 | SEMA VECP | MDB |
| R-3 | | CMO # 16 | |

Colorado Department of Transportation

2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

As Constructed

| | |
|---------------|----------|
| No Revisions: | |
| Revised: | 04-15-08 |
| Void: | |

Typical Section US 287

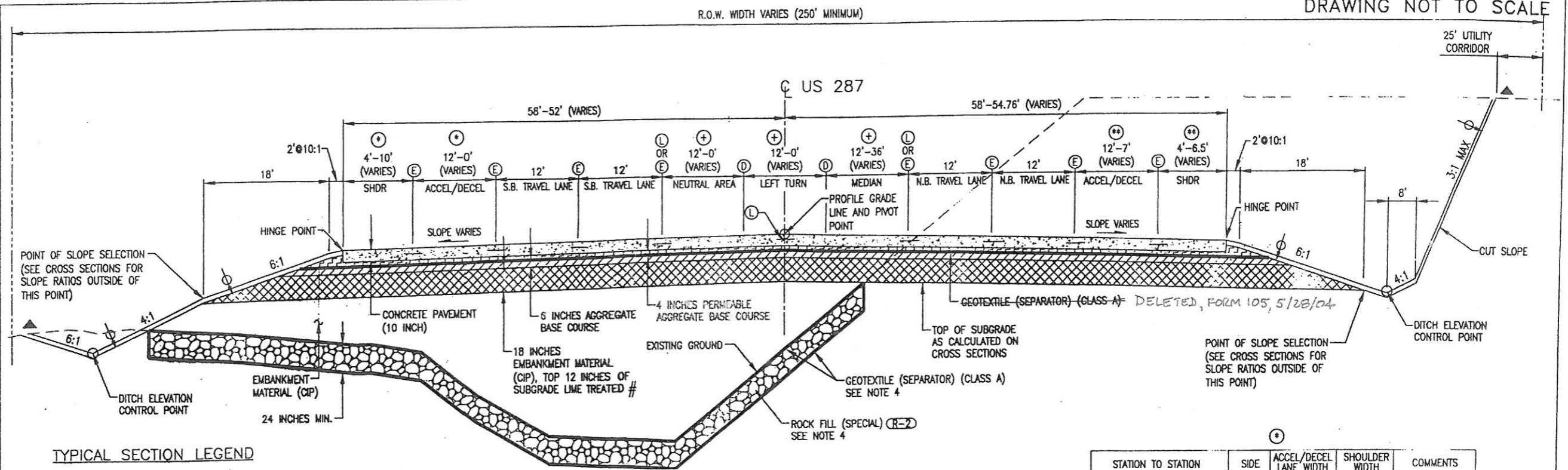
| | |
|----------------|-----------|
| Designer: | R. NELSON |
| Detailer: | W. LIM |
| Sheet Subset: | TYPICALS |
| Subset Sheets: | 8 of 15 |

Project No./Code

| | |
|------------------|-------------|
| Project No./Code | NH 2873-114 |
| Sheet Number | 12VECP-X |

R.O.W. WIDTH VARIES (250' MINIMUM)

DRAWING NOT TO SCALE



TYPICAL SECTION LEGEND

- Ⓚ LONGITUDINAL CONSTRUCTION JOINT, (KEYWAY) SEE STANDARD PLAN M-412-1
- ⓔ LONGITUDINAL CONTRACTION JOINT, SEE STANDARD PLAN M-412-1
- Ⓛ LONGITUDINAL CONSTRUCTION JOINT, SEE STANDARD PLAN M-412-1
- 30 INCH TIE BAR
- # LIME TREATED SUBGRADE SHALL BE CONTINUOUS UNDER CONCRETE PAVEMENT, AND EXTEND NOT LESS THAN 3 - FEET OUTSIDE EDGE OF CONCRETE PAVEMENT.
- ▲ BREAK POINTS IN SLOPES AND BOTTOM OF DITCHES AND TOP OF SLOPES SHALL BE ROUNDED DURING CONSTRUCTION FOR A PLEASING APPEARANCE.
- VERTICAL ALIGNMENT CONTROL POINTS
- THE CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL ON TOP OF THIS ELEVATION AFTER COMPLETION OF PAVING OPERATIONS

- CONCRETE PAVEMENT (10 INCH)
- PERMEABLE AGGREGATE BASE COURSE
- AGGREGATE BASE COURSE (CLASS 6)
- EMBANKMENT MATERIAL (CIP), TOP 12 INCHES OF SUBGRADE LIME TREATED #
- GEOTEXTILE (SEPARATOR) (CLASS A)

US 287 TYPICAL SECTION
STA. 1824+00.00 TO STA. 1836+08.63

| STATION TO STATION | NEUTRAL AREA WIDTH | LEFT TURN LANE | MEDIAN WIDTH | MEDIAN TYPE | COMMENTS |
|--------------------------|--------------------|----------------|--------------|----------------------|------------|
| 1824+00.00 TO 1830+08.63 | 12' | 12' | 12' | PAINTED | |
| 1830+08.63 TO 1833+08.63 | 12' TO 0' | 12' | 12' TO 24' | PAINTED | |
| 1833+08.63 TO 1835+84.63 | 0' | 12' TO 0.5' | 24' TO 35.5' | PAINTED | |
| 1835+84.63 TO 1836+08.63 | 0' | 0.5' TO 0' | 17.5 TO 18' | PAINTED TO DEPRESSED | LEFT SIDE |
| | | | 18' | PAINTED TO DEPRESSED | RIGHT SIDE |

| STATION TO STATION | SIDE | ACCEL/DECEL LANE WIDTH | SHOULDER WIDTH | COMMENTS |
|--------------------------|------|------------------------|----------------|----------|
| 1824+00.00 TO 1830+18.28 | LT | 12' | 4' | |
| 1830+18.28 TO 1833+18.28 | LT | 12' TO 0' | 4' TO 10' | |
| 1833+18.28 TO 1836+08.63 | LT | 0' | 10' | |

| STATION TO STATION | SIDE | ACCEL/DECEL LANE WIDTH | SHOULDER WIDTH | COMMENTS |
|--------------------------|------|------------------------|----------------|----------|
| 1824+00.00 TO 1834+82.99 | RT | 12' | 4' | |
| 1834+82.99 TO 1836+08.63 | RT | 12' TO 7' | 4' TO 6.5' | |

TYPICAL SECTION NOTES

- SEE US 287 ROADWAY PROFILE AND CROSS SECTIONS FOR PAVEMENT CROSS SLOPE.
- THE GRADIENT AND WIDTH OF ROADWAY DITCHES, EXCAVATION AND EMBANKMENT SLOPE RATIOS MAY BE ADJUSTED BY THE ENGINEER TO ASSURE ADEQUATE DRAINAGE AND SLOPE STABILITY.
- ALL STATIONING IN FEET.
- ROCK FILL (SPECIAL) WRAPPED IN GEOTEXTILE (SEPARATOR) (CLASS A) SHALL BE FROM STA. 1832+00.00 TO STA. 1836+08.36. (R-2)

VECP DRAWING REVISIONS

I hereby certify that attached Drawings for use on Project NH287-114, US287 & O LARSEN CR 6 TO SD BHS were prepared by me or under my direct supervision for the Colorado Department of Transportation subject to the Limiting Scope of Responsibility provided in the BYLAWS AND RULES OF THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS as follows:

Sheet Numbers 0VECP, 0VSCP, 1VECP, 1VSCP, 2VECP, 2VSCP, 3VECP, 3VSCP, 4VECP, 4VSCP, 5VECP, 5VSCP, 6VECP, 6VSCP, 7VECP, 7VSCP, 8VECP, 8VSCP, 9VECP, 9VSCP, 10VECP, 10VSCP, 11VECP, 11VSCP, 12VECP, 12VSCP, 13VECP, 13VSCP, 14VECP, 14VSCP, 15VECP, 15VSCP, 16VECP, 16VSCP, 17VECP, 17VSCP, 18VECP, 18VSCP, 19VECP, 19VSCP, 20VECP, 20VSCP, 21VECP, 21VSCP, 22VECP, 22VSCP, 23VECP, 23VSCP, 24VECP, 24VSCP, 25VECP, 25VSCP, 26VECP, 26VSCP, 27VECP, 27VSCP, 28VECP, 28VSCP, 29VECP, 29VSCP, 30VECP, 30VSCP, 31VECP, 31VSCP, 32VECP, 32VSCP, 33VECP, 33VSCP, 34VECP, 34VSCP, 35VECP, 35VSCP, 36VECP, 36VSCP, 37VECP, 37VSCP, 38VECP, 38VSCP, 39VECP, 39VSCP, 40VECP, 40VSCP, 41VECP, 41VSCP, 42VECP, 42VSCP, 43VECP, 43VSCP, 44VECP, 44VSCP, 45VECP, 45VSCP, 46VECP, 46VSCP, 47VECP, 47VSCP, 48VECP, 48VSCP, 49VECP, 49VSCP, 50VECP, 50VSCP, 51VECP, 51VSCP, 52VECP, 52VSCP, 53VECP, 53VSCP, 54VECP, 54VSCP, 55VECP, 55VSCP, 56VECP, 56VSCP, 57VECP, 57VSCP, 58VECP, 58VSCP, 59VECP, 59VSCP, 60VECP, 60VSCP, 61VECP, 61VSCP, 62VECP, 62VSCP, 63VECP, 63VSCP, 64VECP, 64VSCP, 65VECP, 65VSCP, 66VECP, 66VSCP, 67VECP, 67VSCP, 68VECP, 68VSCP, 69VECP, 69VSCP, 70VECP, 70VSCP, 71VECP, 71VSCP, 72VECP, 72VSCP, 73VECP, 73VSCP, 74VECP, 74VSCP, 75VECP, 75VSCP, 76VECP, 76VSCP, 77VECP, 77VSCP, 78VECP, 78VSCP, 79VECP, 79VSCP, 80VECP, 80VSCP, 81VECP, 81VSCP, 82VECP, 82VSCP, 83VECP, 83VSCP, 84VECP, 84VSCP, 85VECP, 85VSCP, 86VECP, 86VSCP, 87VECP, 87VSCP, 88VECP, 88VSCP, 89VECP, 89VSCP, 90VECP, 90VSCP, 91VECP, 91VSCP, 92VECP, 92VSCP, 93VECP, 93VSCP, 94VECP, 94VSCP, 95VECP, 95VSCP, 96VECP, 96VSCP, 97VECP, 97VSCP, 98VECP, 98VSCP, 99VECP, 99VSCP, 100VECP, 100VSCP.



Mark W. Brooks, P.E.
Colorado Registration No. 23797

PAVEMENT DESIGN PARAMETERS

| STABILIZATION DATA | US 287 |
|-------------------------------|-----------|
| 18 K ESAL (30 YEAR): | 5,593,370 |
| INITIAL SERVICEABILITY: | 4.5 |
| TERMINAL SERVICEABILITY: | 2.5 |
| PCC MODULUS OF RUPTURE (PSI): | 650 |
| PCC ELASTIC MODULUS (PSI): | 3,400,000 |
| STATIC K-VALUE (PSI/IN): | 51 |
| RELIABILITY (%): | 95 |
| OVERALL STANDARD DEVIATION: | 0.54 |
| LOAD TRANSFER COEFFICIENT: | 2.8 |
| OVERALL DRAINAGE COEFFICIENT: | 1 |

DRAWING PATH: I:\6844341\SEC2\CAD\PLANS\HITS\REVISION_2\01_US287\RDY09.DWG

| Computer File Information | |
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| Last Modification Date: 09/25/02 10:55 | Initials: C.E.F. |
| Full Path: SEE SHEET MARGIN | |
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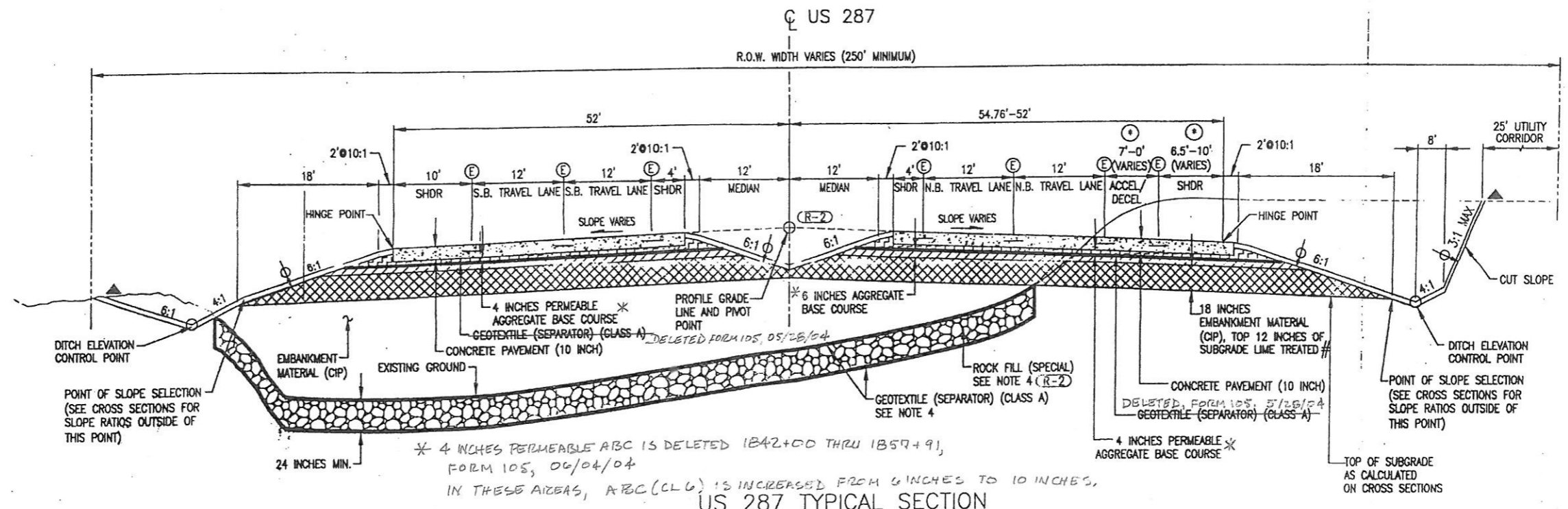
| Sheet Revisions | | | |
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| (R-2) | 9/27/02 | ROCK FILL (SPECIAL) | S.C.E. |
| (R-1) | 11/12/03 | SEMA VECP | MDB |
| (R-1) | 12/29/03 | SEMA VECP | MDB |
| (R-1) | | CMD # 16 | |

Colorado Department of Transportation

2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

| As Constructed | Typical Section US 287 | | Project No./Code |
|-------------------|------------------------|------------------------|-----------------------|
| No Revisions: | Designer: R. NELSON | Structure Numbers | NH 2873-114 |
| Revised: 04-15-08 | Detailer: W. LIM | | 13393 |
| Void: | Sheet Subset: TYPICALS | Subset Sheets: 9 of 15 | Sheet Number 13VECP X |



US 287 TYPICAL SECTION
 STA. 1836+08.63 TO STA. 1843+00.00
 1835+87.00 13

TYPICAL SECTION LEGEND

- ⓔ LONGITUDINAL CONTRACTION JOINT, SEE STANDARD PLAN M-412-1
- 30 INCH TIE BAR
- # LIME TREATED SUBGRADE SHALL BE CONTINUOUS UNDER CONCRETE PAVEMENT, AND EXTEND NOT LESS THAN 3 - FEET OUTSIDE EDGE OF CONCRETE PAVEMENT.
- ▲ BREAK POINTS IN SLOPES AND BOTTOM OF DITCHES AND TOP OF SLOPES SHALL BE ROUNDED DURING CONSTRUCTION FOR A PLEASING APPEARANCE.
- VERTICAL ALIGNMENT CONTROL POINTS
- THE CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL ON TOP OF THIS ELEVATION AFTER COMPLETION OF PAVING OPERATIONS
- ▨ CONCRETE PAVEMENT (10 INCH)
- ▧ PERMEABLE AGGREGATE BASE COURSE
- ▩ AGGREGATE BASE COURSE (CLASS 6)
- ▤ EMBANKMENT MATERIAL (CIP), TOP 12 INCHES OF SUBGRADE LIME TREATED #
- GEOTEXTILE (SEPARATOR) (CLASS A)

VECP DRAWING REVISIONS:

I hereby certify that attached Drawings for use on Project NH287-114, US287 AND LARIMER CR 6 TO I-70 BNS were prepared by me or under my direct supervision for the Colorado Department of Transportation subject to the Limiting Scope of Responsibility pursuant to the ETLAWS AND RULES OF THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS as follows:

Sheet Numbers: 0VECP, 0VECP, 1VECP, 2VECP, 3VECP, 4VECP, 5VECP, 6VECP, 7VECP, 8VECP, 9VECP, 10VECP, 11VECP, 12VECP, 13VECP, 14VECP, 15VECP, 16VECP, 17VECP, 18VECP, 19VECP, 20VECP, 21VECP, 22VECP, 23VECP, 24VECP, 25VECP, 26VECP, 27VECP, 28VECP, 29VECP, 30VECP, 31VECP, 32VECP, 33VECP, 34VECP, 35VECP, 36VECP, 37VECP, 38VECP, 39VECP, 40VECP, 41VECP, 42VECP, 43VECP, 44VECP, 45VECP, 46VECP, 47VECP, 48VECP, 49VECP, 50VECP, 51VECP, 52VECP, 53VECP, 54VECP, 55VECP, 56VECP, 57VECP, 58VECP, 59VECP, 60VECP, 61VECP, 62VECP, 63VECP, 64VECP, 65VECP, 66VECP, 67VECP, 68VECP, 69VECP, 70VECP, 71VECP, 72VECP, 73VECP, 74VECP, 75VECP, 76VECP, 77VECP, 78VECP, 79VECP, 80VECP, 81VECP, 82VECP, 83VECP, 84VECP, 85VECP, 86VECP, 87VECP, 88VECP, 89VECP, 90VECP, 91VECP, 92VECP, 93VECP, 94VECP, 95VECP, 96VECP, 97VECP, 98VECP, 99VECP, 100VECP.

Mark W. Brocks, P.E.
 Colorado Registration No. 28797

| STATION TO STATION | SIDE | ACCEL/DECEL LANE WIDTH | SHOULDER WIDTH |
|--------------------------|------|------------------------|----------------|
| 1836+08.63 TO 1837+82.99 | RT | 7' TO 0' | 6.5' TO 10' |
| 1837+82.99 TO 1843+00.00 | RT | 0' | 10' |

PAVEMENT DESIGN PARAMETERS

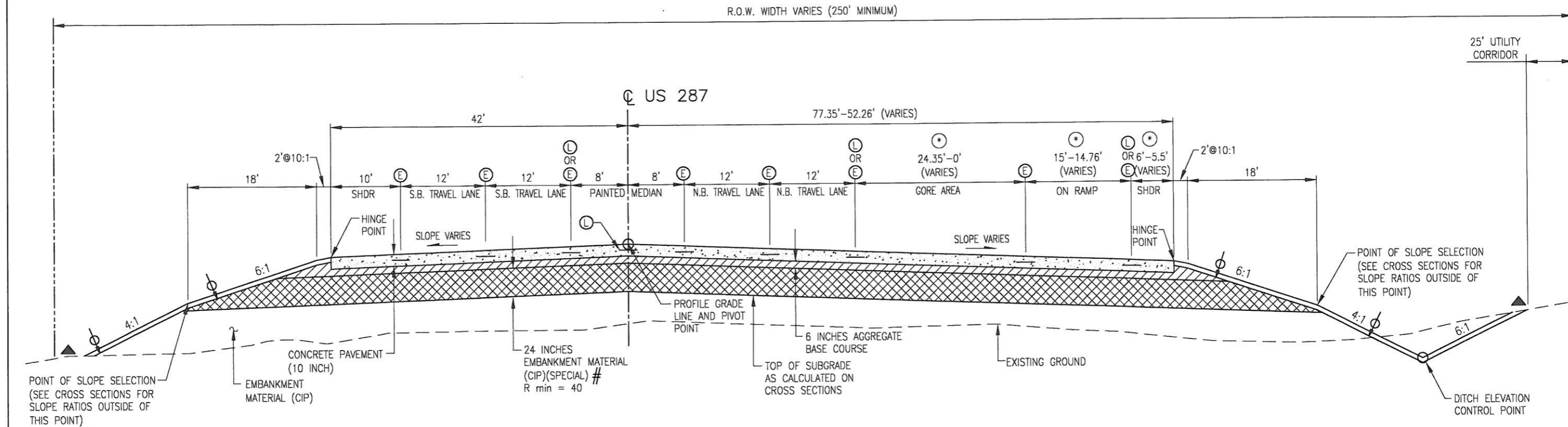
| STABILIZATION DATA | US 287 |
|-------------------------------|-----------|
| 18 K ESAL (30 YEAR): | 5,593,370 |
| INITIAL SERVICEABILITY: | 4.5 |
| TERMINAL SERVICEABILITY: | 2.5 |
| PCC MODULUS OF RUPTURE (PSI): | 650 |
| PCC ELASTIC MODULUS (PSI): | 3,400,000 |
| STATIC K-VALUE (PSI/IN): | 51 |
| RELIABILITY (%): | 95 |
| OVERALL STANDARD DEVIATION: | 0.34 |
| LOAD TRANSFER COEFFICIENT: | 2.8 |
| OVERALL DRAINAGE COEFFICIENT: | 1 |

TYPICAL SECTION NOTES

- SEE US 287 ROADWAY PROFILE AND CROSS SECTIONS FOR PAVEMENT CROSS SLOPE.
- THE GRADIENT AND WIDTH OF ROADWAY DITCHES, EXCAVATION AND EMBANKMENT SLOPE RATIOS MAY BE ADJUSTED BY THE ENGINEER TO ASSURE ADEQUATE DRAINAGE AND SLOPE STABILITY.
- ALL STATIONING IN FEET.
- ROCK FILL (SPECIAL) WRAPPED IN GEOTEXTILE (SEPARATOR) (CLASS A) SHALL BE REQUIRED FROM STA. 1836+08.63 TO STA. 1843+00.00 (R-2)

DRAWING PATH: E:\6644341\SEC2\CAD\PLANS\HSTS\REVISION_2\01_US287\RDY10.DWG

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| Computer File Information | | Sheet Revisions | | Colorado Department of Transportation | | As Constructed | | Typical Section US 287 | | Project No./Code | |
| Creation Date: | 11/21/00 | Initials: | CGE | (R-2) | 9/27/02 | ROCK FILL (SPL) | . S.C.E. | No Revisions: | | NH 2873-114 | |
| Last Modification Date: | 09/25/02 | 11:04 | Initials: | C.E.F. | (R-2) | 9/27/02 | CORRECT TOPSOIL @ MEDIAN | . S.C.E. | Revised: | 04-15-08 | 13393 |
| Full Path: | SEE SHEET MARGIN | | | (R-) | 11/12/03 | . SEMA VECP | . MDB | Designer: | R. NELSON | Structure Numbers | |
| Drawing File Name: | RDY10.DWG | | | (R-) | 12/29/03 | . SEMA VECP | . MDB | Detailer: | W. LIM | Subset Sheets: | 10 of 15 |
| Acad Ver. | 2002 | Scale: | AS SHOWN | Units: | ENGLISH | (R-) | CMD 416 | Sheet Subset: | TYPICALS | Sheet Number: | 14VECPX |



US 287 TYPICAL SECTION
STA. 1881+38.90 TO STA. 1883+93.36

TYPICAL SECTION LEGEND

- ⊕ LONGITUDINAL CONTRACTION JOINT, SEE STANDARD PLAN M-412-1
- ⊙ LONGITUDINAL CONSTRUCTION JOINT, SEE STANDARD PLAN M-412-1
- 30 INCH TIE BAR
- # APPROXIMATE THICKNESS
- ▲ BREAK POINTS IN SLOPES AND BOTTOM OF DITCHES AND TOP OF SLOPES SHALL BE ROUNDED DURING CONSTRUCTION FOR A PLEASING APPEARANCE.
- VERTICAL ALIGNMENT CONTROL POINTS
- ⊕ THE CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL ON TOP OF THIS ELEVATION AFTER COMPLETION OF PAVING OPERATIONS
- ▨ CONCRETE PAVEMENT (10 INCH)
- ▩ AGGREGATE BASE COURSE (CLASS 6)
- ▧ EMBANKMENT MATERIAL (COMPLETE IN PLACE) (SPECIAL). R min = 40

| STATION TO STATION | GORE AREA WIDTH | ON RAMP WIDTH | SHOULDER WIDTH |
|--------------------------|-----------------|---------------|----------------|
| 1881+38.90 TO 1883+87.50 | 24.35' TO 0' | 15' | 6' |
| 1883+87.50 TO 1883+93.36 | 0' | 15' TO 14.76' | 6' TO 5.5' |

TYPICAL SECTION NOTES

- SEE US 287 ROADWAY PROFILE AND CROSS SECTIONS FOR PAVEMENT CROSS SLOPE.
- THE GRADIENT AND WIDTH OF ROADWAY DITCHES, EXCAVATION AND EMBANKMENT SLOPE RATIOS MAY BE ADJUSTED BY THE ENGINEER TO ASSURE ADEQUATE DRAINAGE AND SLOPE STABILITY.
- ALL STATIONING IN FEET.

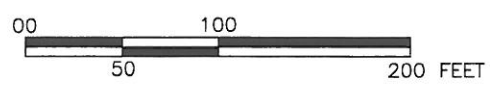
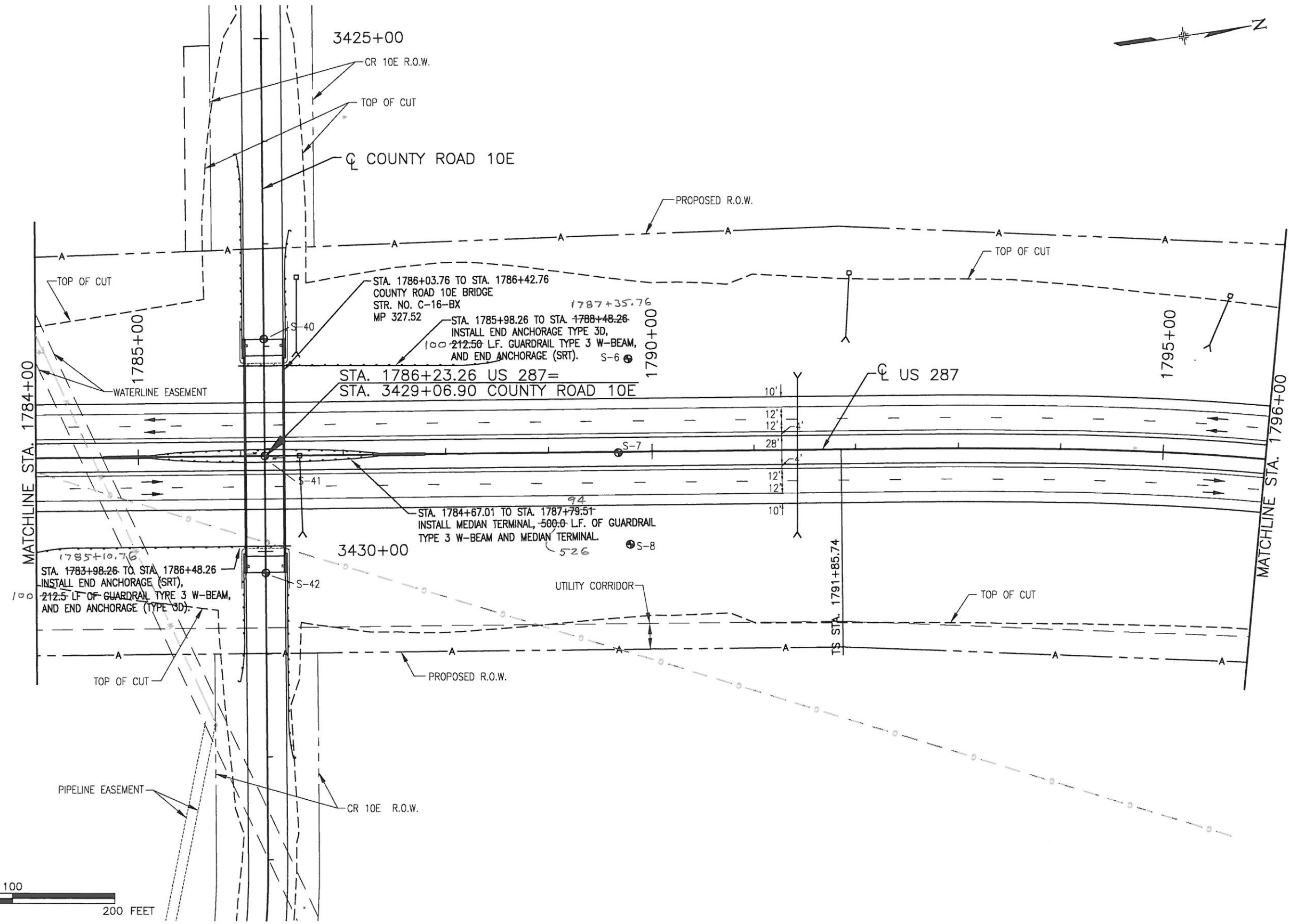
PAVEMENT DESIGN PARAMETERS

| STABILIZATION DATA | US 287 |
|-------------------------------|-----------|
| 18 K ESAL (30 YEAR): | 5,593,370 |
| INITIAL SERVICEABILITY: | 4.5 |
| TERMINAL SERVICEABILITY: | 2.5 |
| PCC MODULUS OF RUPTURE (PSI): | 650 |
| PCC ELASTIC MODULUS (PSI): | 3,400,000 |
| STATIC K-VALUE (PSI/IN): | 51 |
| RELIABILITY (%): | 95 |
| OVERALL STANDARD DEVIATION: | 0.34 |
| LOAD TRANSFER COEFFICIENT: | 2.8 |
| OVERALL DRAINAGE COEFFICIENT: | 1 |

DRAWING PATH: I:\684434\SEC2\CAD\PLANS\SHITS\05_TYPICAL_SECTIONS\01_US287\RDY12.DWG

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|--|-----------------|------------------------|---|--|---|-------------------------|------------------------|-------------------------------|--------------|-------------------------|--|
| Computer File Information | | Sheet Revisions | | Colorado Department of Transportation | | As Constructed | | Typical Section US 287 | | Project No./Code | |
| Creation Date: 11/21/00 | Initials: CGE | (R-) | . | 2207 E. HWY 402 LOVELAND, CO 80537 Phone: 970-667-4670 Region 4 | 2207 E. HWY 402 LOVELAND, CO 80537 Phone: 970-667-4670 FAX: 970-669-0289 S.C.E. | No Revisions: 04-15-08. | NH 2873-114 | | | | |
| Last Modification Date: 08/13/02 18:21 | Initials: WCL | (R-) | . | | | Revised: | Designer: R. NELSON | Structure Numbers | 13393 | | |
| Full Path: SEE SHEET MARGIN | | (R-) | . | | | Void: | Detailer: W. LIM | Subset Sheets: | 12 of 15 | | |
| Drawing File Name: RDY12.DWG | | (R-) | . | | | | Sheet Subset: TYPICALS | | Sheet Number | 16 | |
| Acad Ver. 2002 | Scale: AS SHOWN | Units: ENGLISH | | | | | | | | | |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987




NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

DRAWING PATH: I:\684434\SEG2\CAD\PLANS\SHITS\42_ROADWAY_PLANS_US287\RDPL15.DWG

| Computer File Information | |
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| Last Modification Date: 08/13/02 21:06 | Initials: C.E.F. |
| Full Path: SEE SHEET MARGIN | |
| Drawing File Name: RDPL15.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
| (R-) | |
| (R-) | |
| (R-) | |
| (R-) | |

Colorado Department of Transportation



2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289

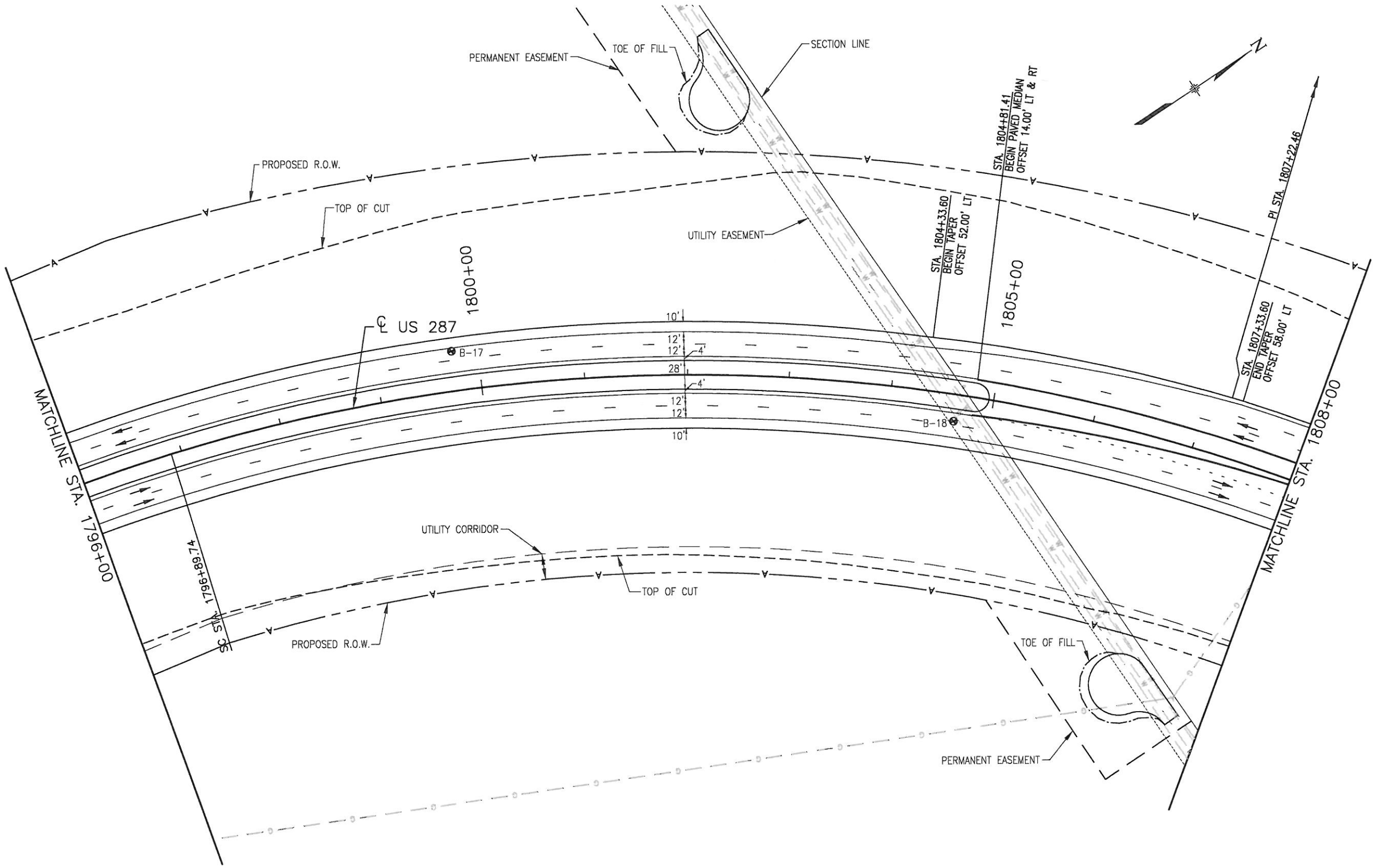
Region 4 S.C.E.

| As Constructed |
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| No Revisions: |
| Revised: 04-15-03 |
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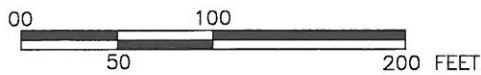
| Roadway Plan US 287 | |
|------------------------|-------------------------|
| Designer: R. NELSON | Structure Numbers |
| Detailer: W. LIM | |
| Sheet Subset: ROADWAY | Subset Sheets: 15 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 268 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.



DRAWING PATH: I:\6844341\SEC2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL16.DWG

| Computer File Information | |
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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
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| (R-) | |
| (R-) | |

Colorado Department of Transportation
 2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
 Region 4 S.C.E.

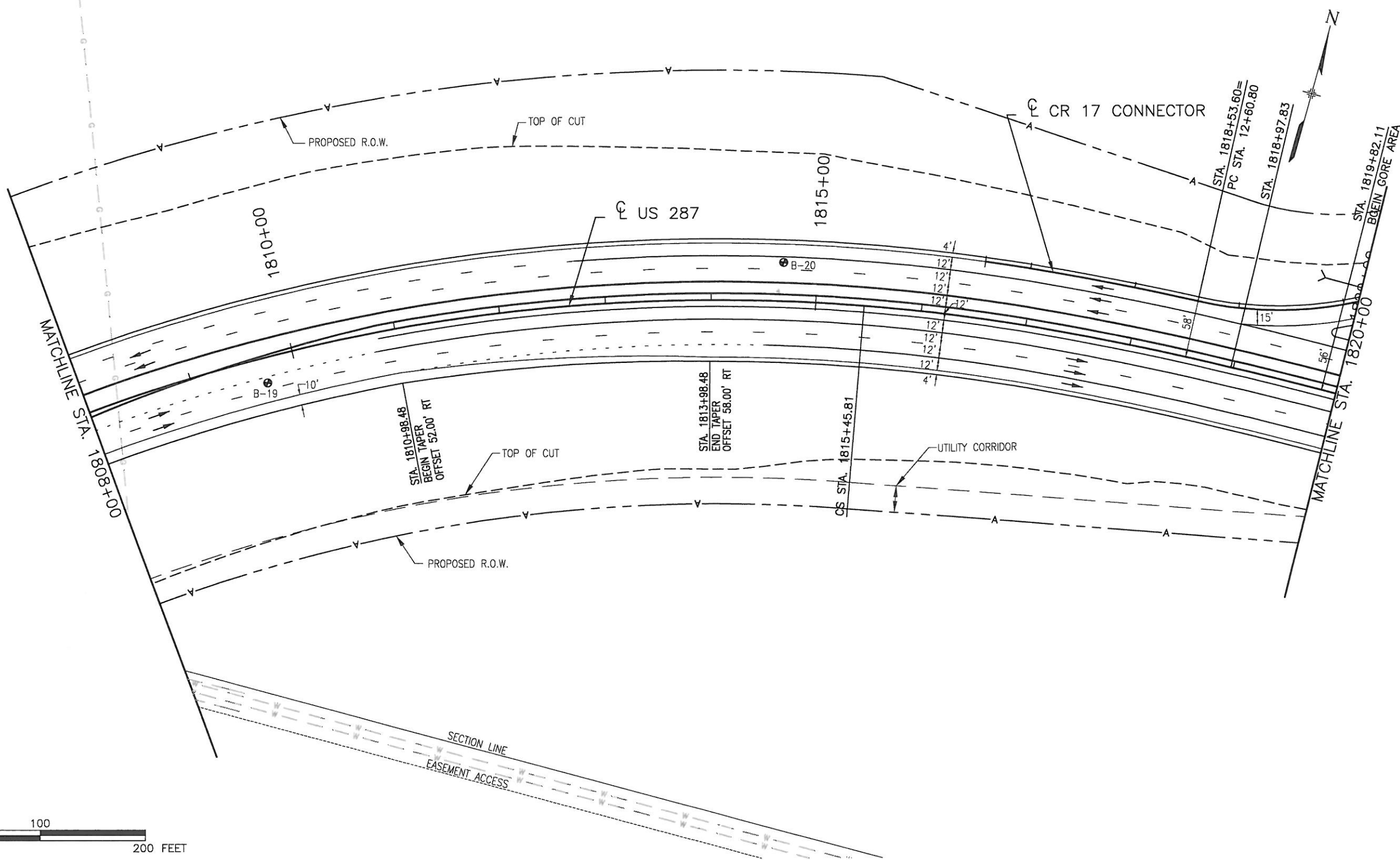
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| No Revisions: 04-15-08 |
| Revised: |
| Void: |

| Roadway Plan US 287 | |
|------------------------|-------------------------|
| Designer: R. NELSON | Structure Numbers |
| Detailer: W. LIM | |
| Sheet Subset: ROADWAY | Subset Sheets: 16 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 269 |

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
| (R-) | |
| (R-) | |
| (R-) | |
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Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

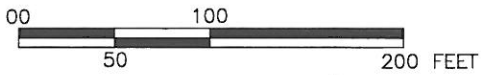
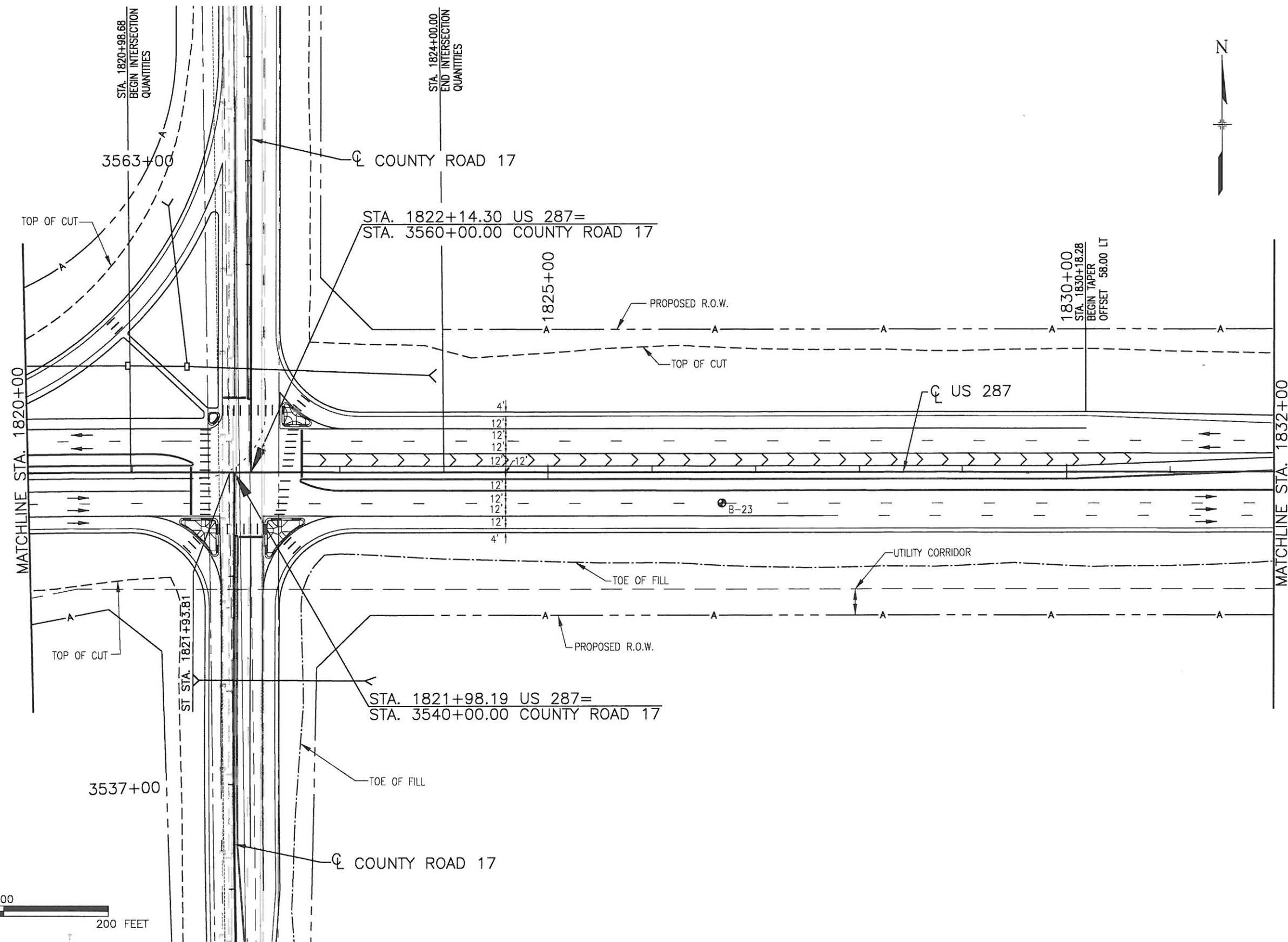
Region 4 S.C.E.

| As Constructed |
|------------------------|
| No Revisions: 04-15-08 |
| Revised: |
| Void: |

| Roadway Plan US 287 | | |
|------------------------|-------------------------|--|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | | |
| Sheet Subset: ROADWAY | Subset Sheets: 17 of 24 | |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 270 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL18.DWG

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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
| (R-) | |
| (R-) | |
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Colorado Department of Transportation
 2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
 Region 4 S.C.E.

| As Constructed |
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| No Revisions: 04-15-08 |
| Revised: |
| Void: |

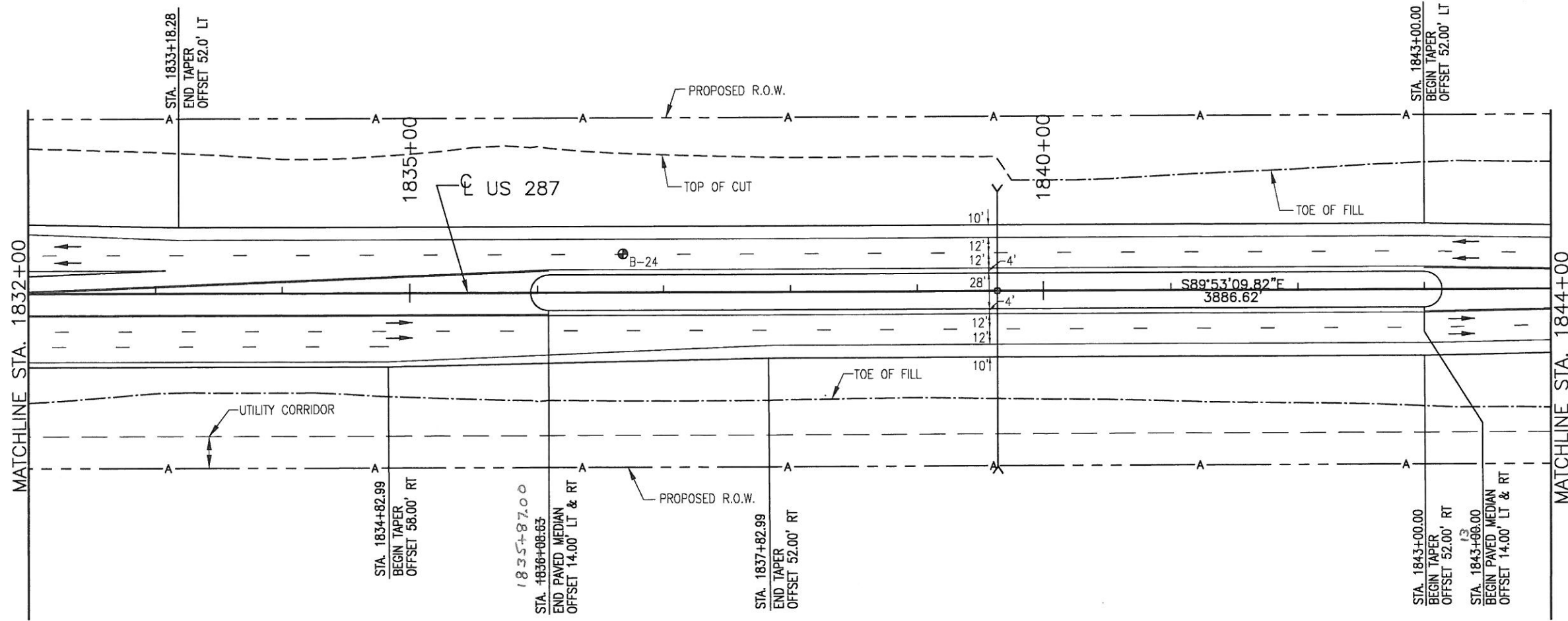
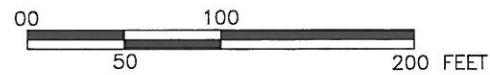
| Roadway Plan US 287 | |
|------------------------|-------------------------|
| Designer: R. NELSON | Structure Numbers |
| Detailer: W. LIM | |
| Sheet Subset: ROADWAY | Subset Sheets: 18 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 271 |

DRAWING PATH: I:\6644341\SEC2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL19.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

| Computer File Information | |
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| Creation Date: 4/3/00 | Initials: D.V.B. |
| Last Modification Date: 08/13/02 21:07 | Initials: R.A.H. |
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| Sheet Revisions | |
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| (R-) | |
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| (R-) | |
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| (R-) | |

Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

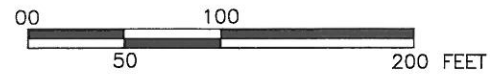
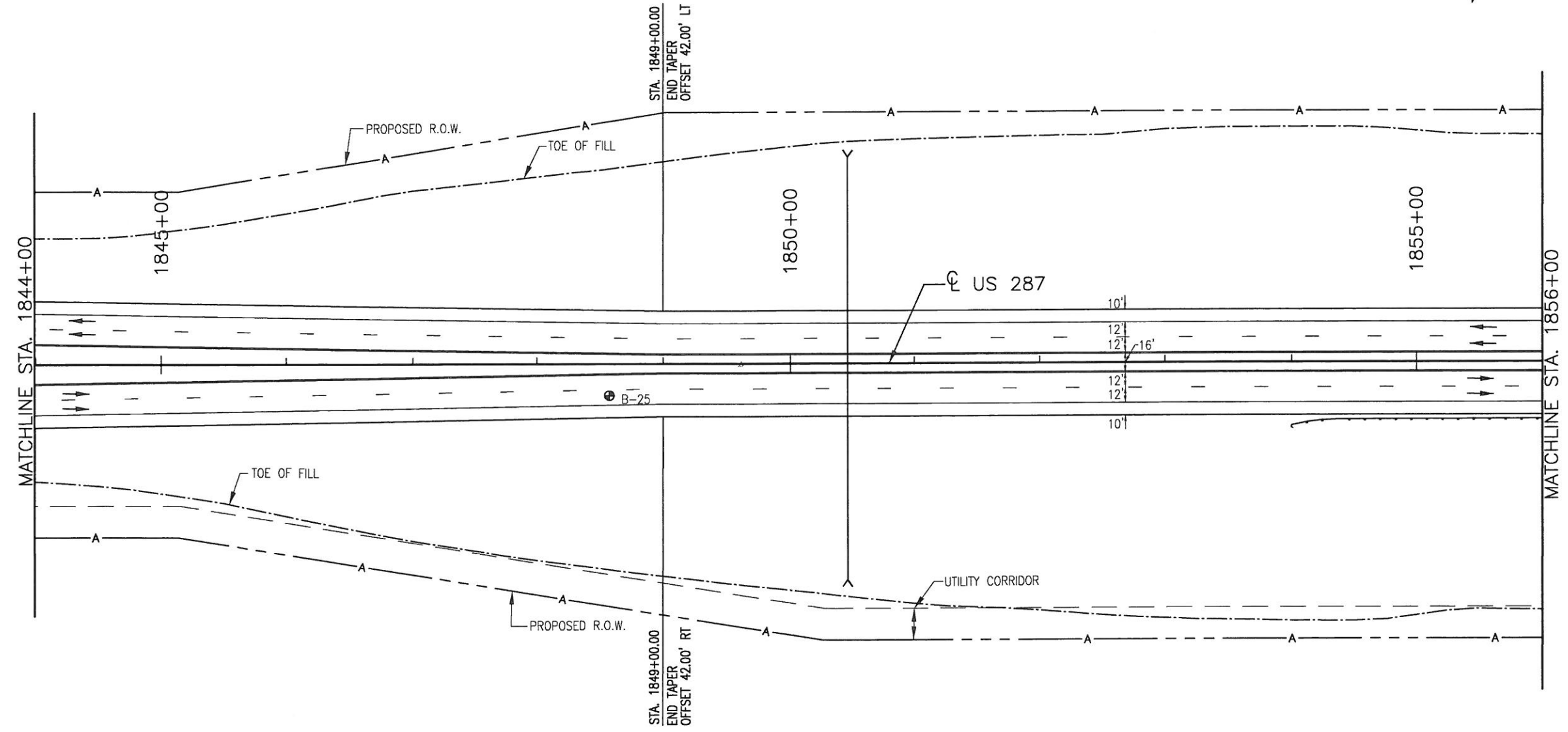
| As Constructed | |
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| No Revisions: | |
| Revised: 04-15-08 | |
| Void: | |

| Roadway Plan US 287 | | |
|------------------------|-------------------------|--|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | | |
| Sheet Subset: ROADWAY | Subset Sheets: 19 of 24 | |

| Project No./Code | |
|------------------|-----|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 272 |



CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987




NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL20.DWG

| Computer File Information | |
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| Creation Date: 4/3/00 | Initials: D.V.B. |
| Last Modification Date: 08/13/02 21:07 | Initials: C.E.F. |
| Full Path: SEE SHEET MARGIN | |
| Drawing File Name: RDPL20.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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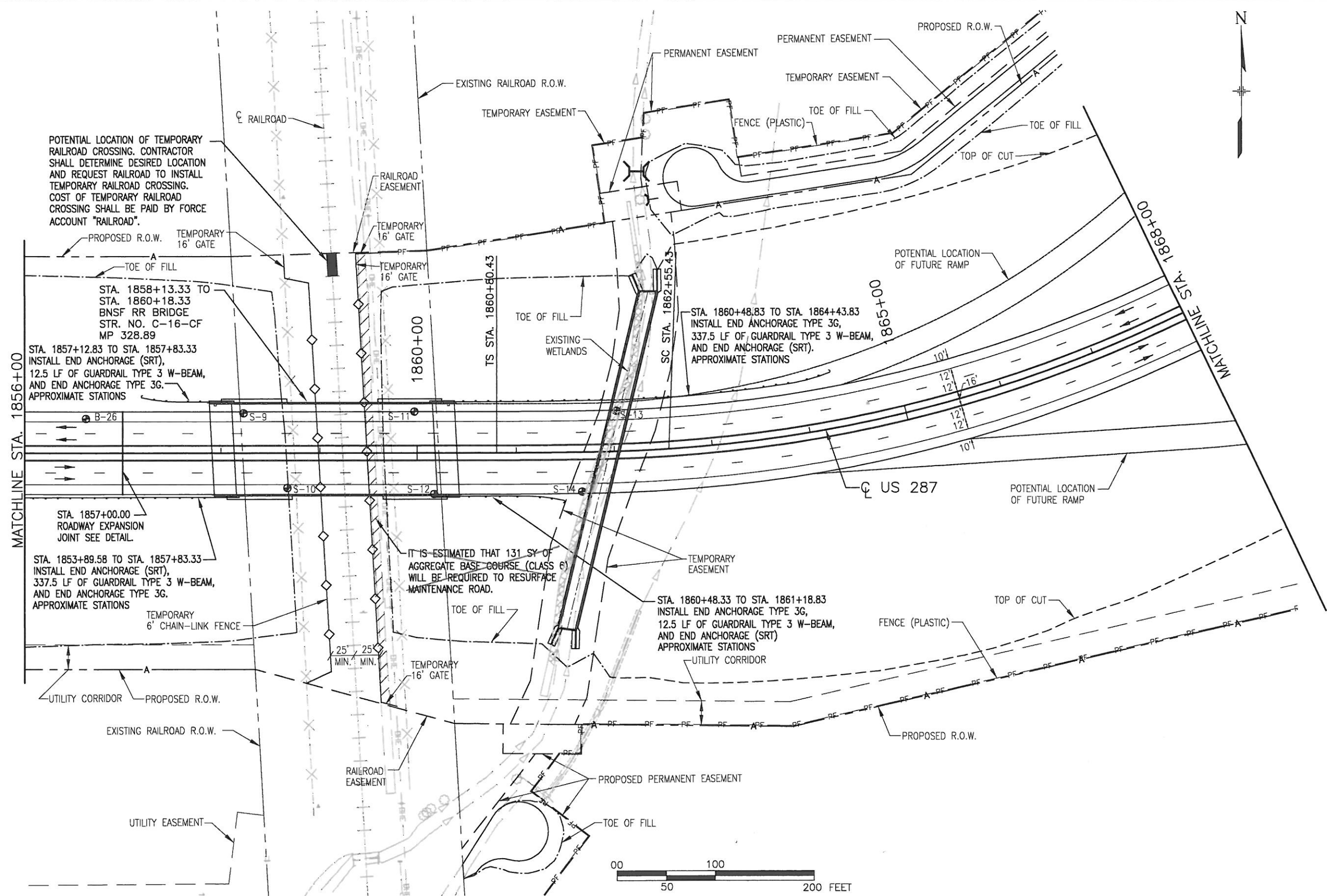
Colorado Department of Transportation

 Region 4
 2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
 S.C.E.

| As Constructed |
|------------------------|
| No Revisions: 04-15-08 |
| Revised: |
| Void: |

| Roadway Plan US 287 | | |
|------------------------|-------------------------|--|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | | |
| Sheet Subset: ROADWAY | Subset Sheets: 20 of 24 | |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 273 |

[CALL] 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987




NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

DRAWING PATH: I:\684434\SEG2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL21.DWG

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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |

Colorado Department of Transportation

 2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
 Region 4 S.C.E.

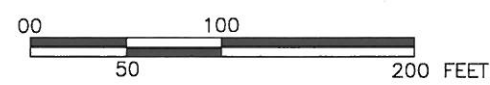
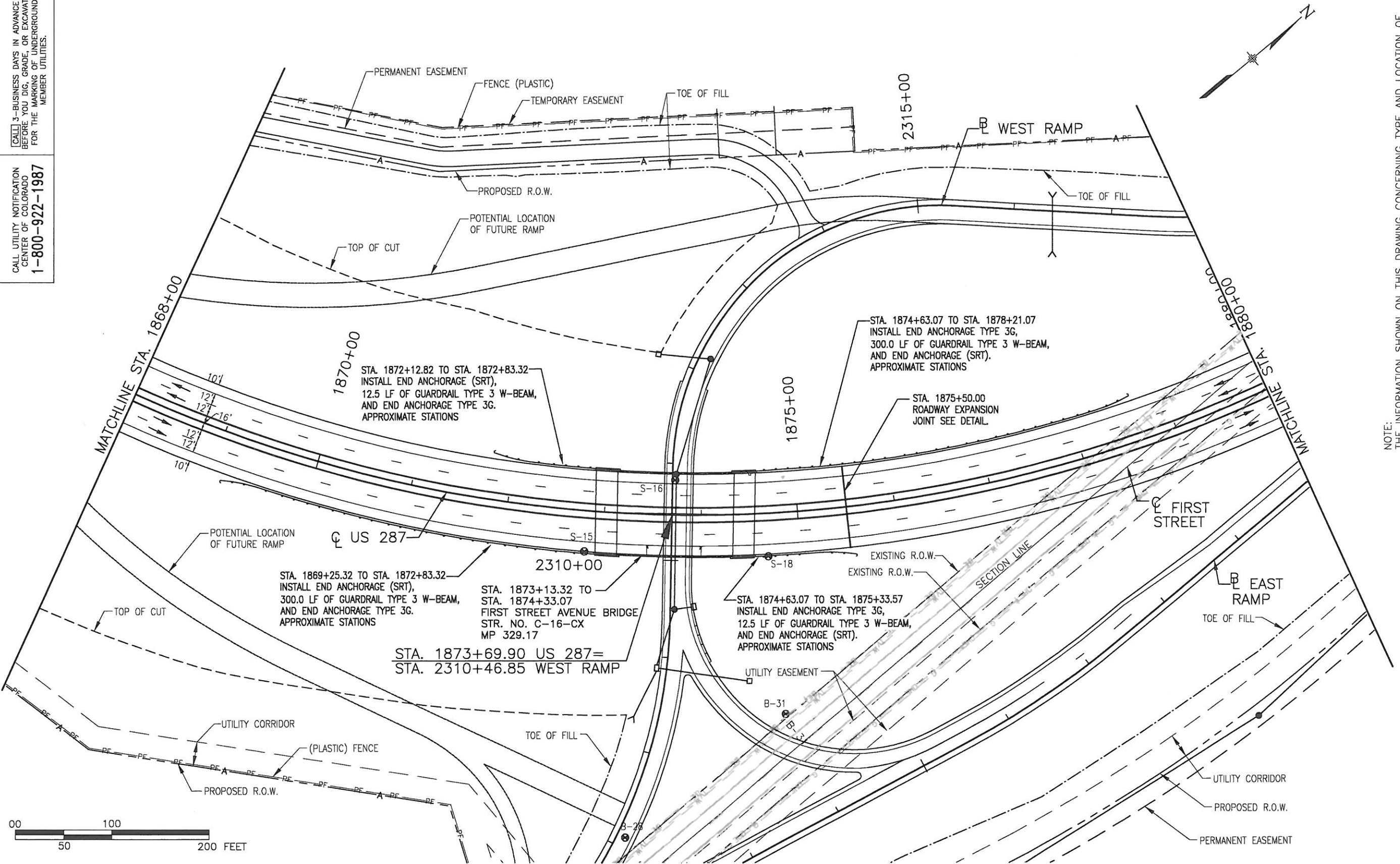
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| No Revisions: | |
| Revised: 04-15-08 | |
| Void: | |

| Roadway Plan US 287 | | |
|------------------------|-------------------------|--|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | | |
| Sheet Subset: ROADWAY | Subset Sheets: 21 of 24 | |

| Project No./Code | |
|------------------|-----|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 274 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



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DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL22.DWG

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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
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| (R-) | |

Colorado Department of Transportation



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Phone: 970-667-4670 FAX: 970-669-0289

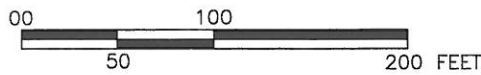
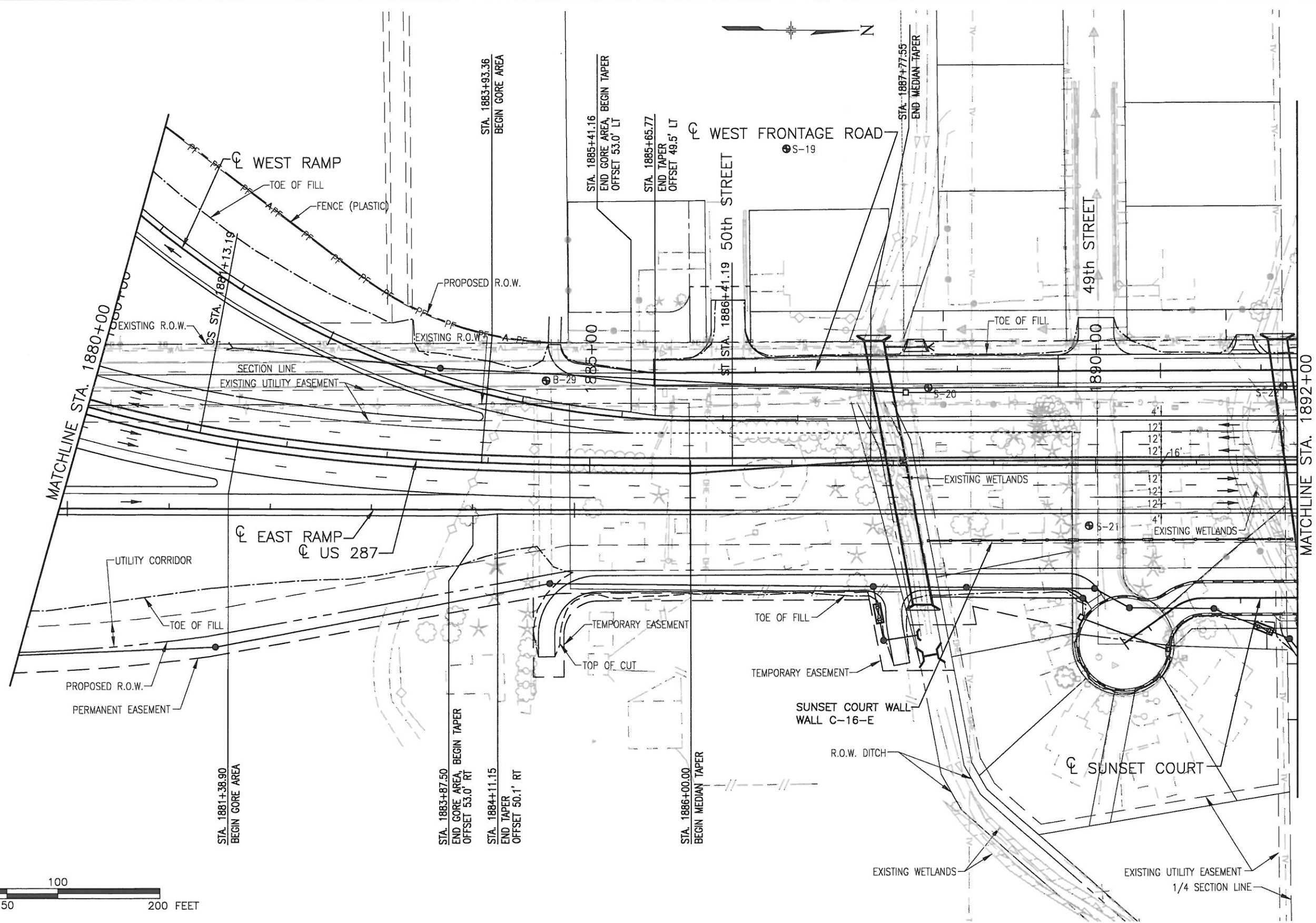
Region 4 S.C.E.

| As Constructed |
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| No Revisions: 04-15-08. |
| Revised: |
| Void: |

| Roadway Plan US 287 | | |
|------------------------|-------------------------|--|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | | |
| Sheet Subset: ROADWAY | Subset Sheets: 22 of 24 | |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 275 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



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DRAWING PATH: I:\6644341\SEG2\CAD\PLANS\42_ROADWAY_PLANS_US287\RDPL23.DWG

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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |

Colorado Department of Transportation

 Region 4
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 Phone: 970-667-4670 FAX: 970-669-0289
 S.C.E.

| As Constructed |
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| No Revisions: DA-15-06 |
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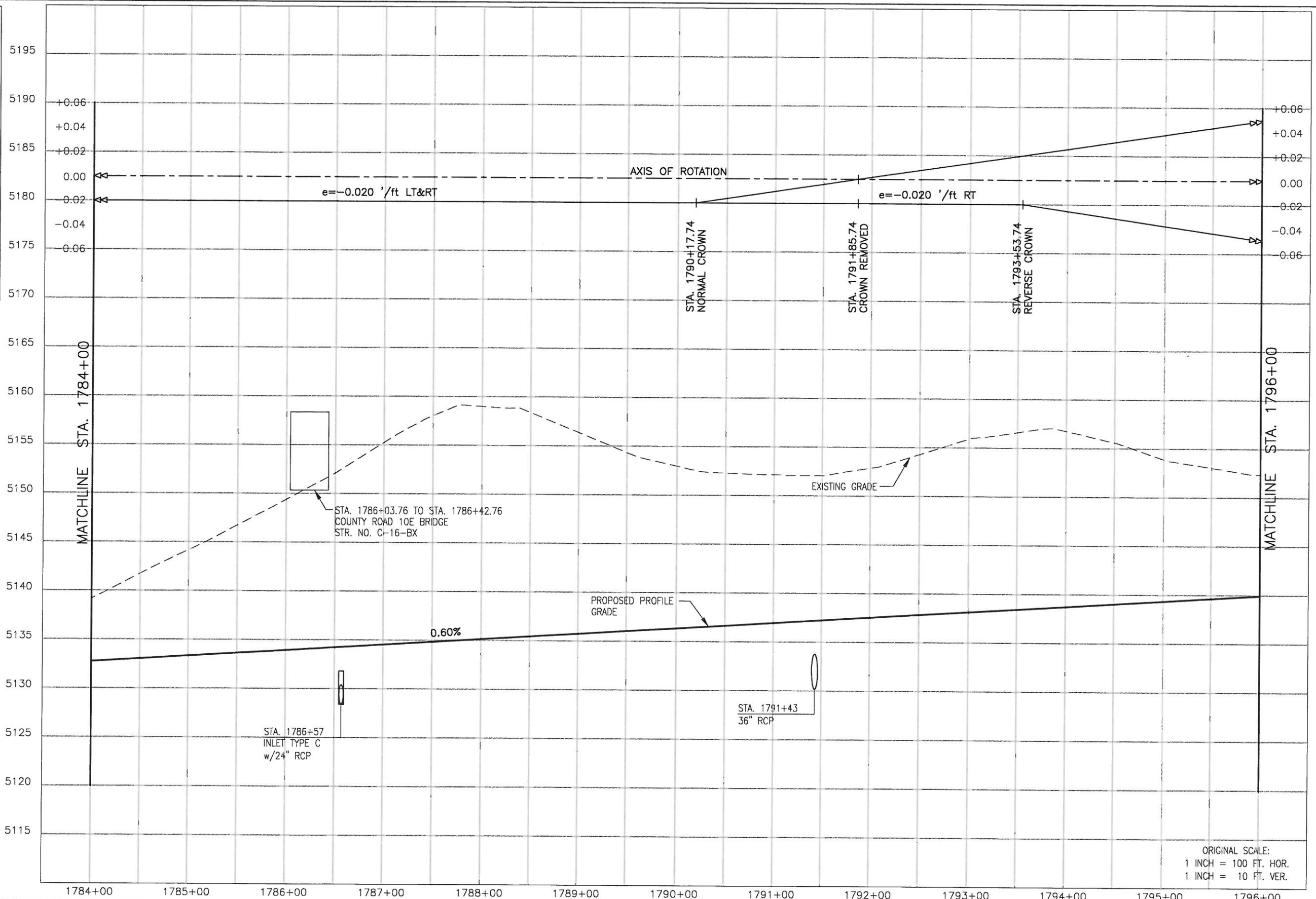
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|------------------------|-------------------|----------|
| Designer: R. NELSON | Structure Numbers | |
| Detailer: W. LIM | Subset Sheets: | 23 of 24 |
| Sheet Subset: ROADWAY | | |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 276 |

DRAWING PATH: I:\6844341\SEG2\CAD\PLANSHTS\43.ROADWAY_PROFILES_US287\RDPR15.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987

[CALL] 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

ORIGINAL SCALE:
1 INCH = 100 FT. HOR.
1 INCH = 10 FT. VER.

| Computer File Information | |
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| Last Modification Date: 08/13/02 23:40 | Initials: C.E.F. |
| Full Path: SEE SHEET MARGIN | |
| Drawing File Name: RDPR15.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |

Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

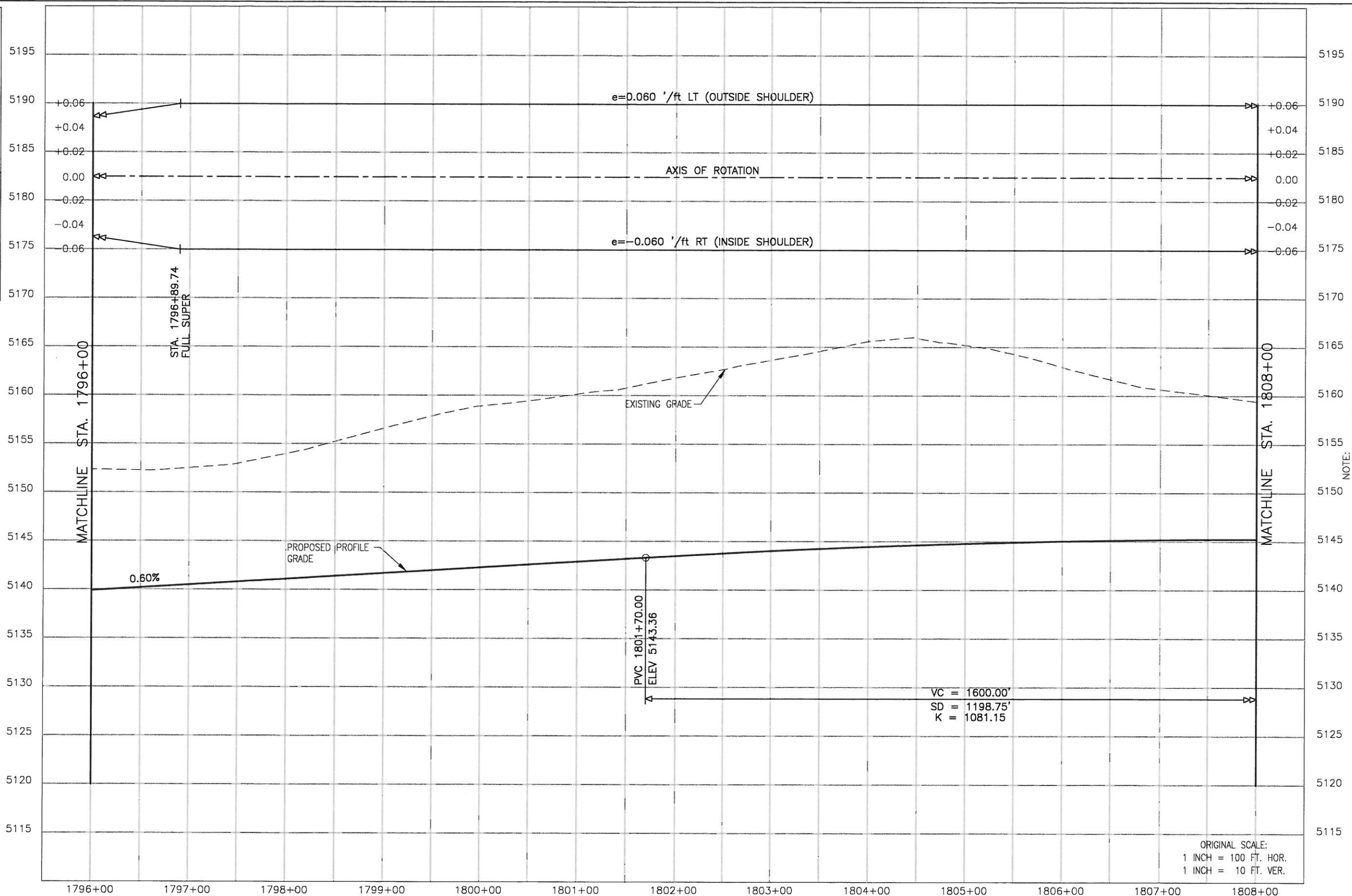
Region 4 S.C.E.

| As Constructed | Roadway Profile | | Project No./Code |
|-------------------------|-----------------------|-------------------|------------------|
| No Revisions: 04-15-DB. | US 287 | | NH 2873-114 |
| Revised: | Designer: R. NELSON | Structure Numbers | 13393 |
| Void: | Detailer: M. LAMUTT | | |
| | Sheet Subset: ROADWAY | 15 of 24 | Sheet Number 292 |

DRAWING PATH: I:\68434\SEG2\CAD\PLANS\4_3_ROADWAY_PROFILES_US287\RDPR16.DWG

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
| (R-) | |

Colorado Department of Transportation

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 Phone: 970-667-4670 FAX: 970-669-0289
 Region 4 S.C.E.

As Constructed
 No Revisions: 04-15-08
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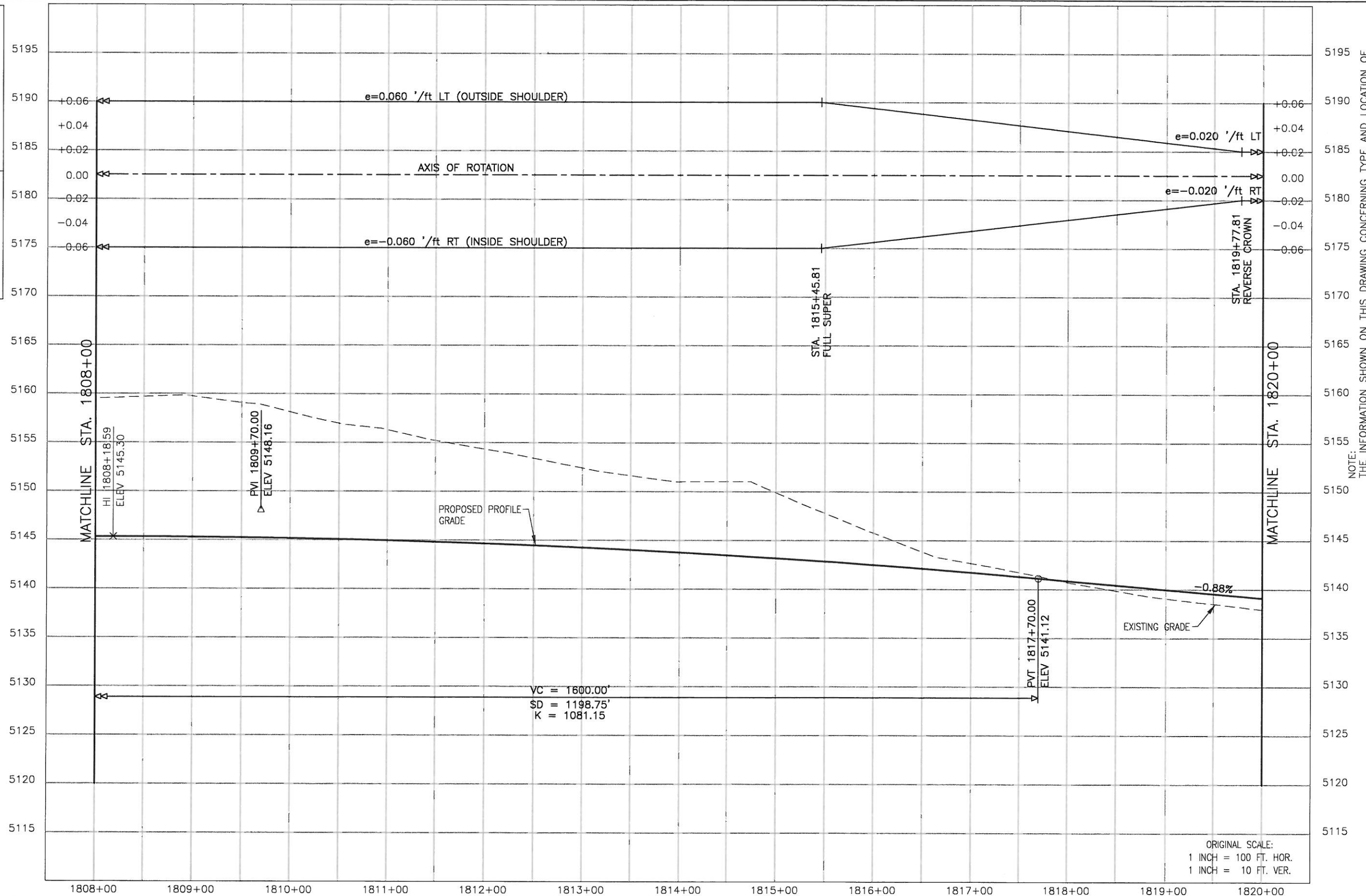
Roadway Profile
US 287
 Designer: R. NELSON
 Detailer: M. LAMUTT
 Sheet Subset: ROADWAY

Project No./Code
 NH 2873-114
 13393
 Sheet Number 293

ORIGINAL SCALE:
 1 INCH = 100 FT. HOR.
 1 INCH = 10 FT. VER.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




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DRAWING PATH: I:\6844341\SEG2\CAD\PLANSHITS\43_ROADWAY_PROFILES_US287\RDPR17.DWG

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| Drawing File Name: RDPR17.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

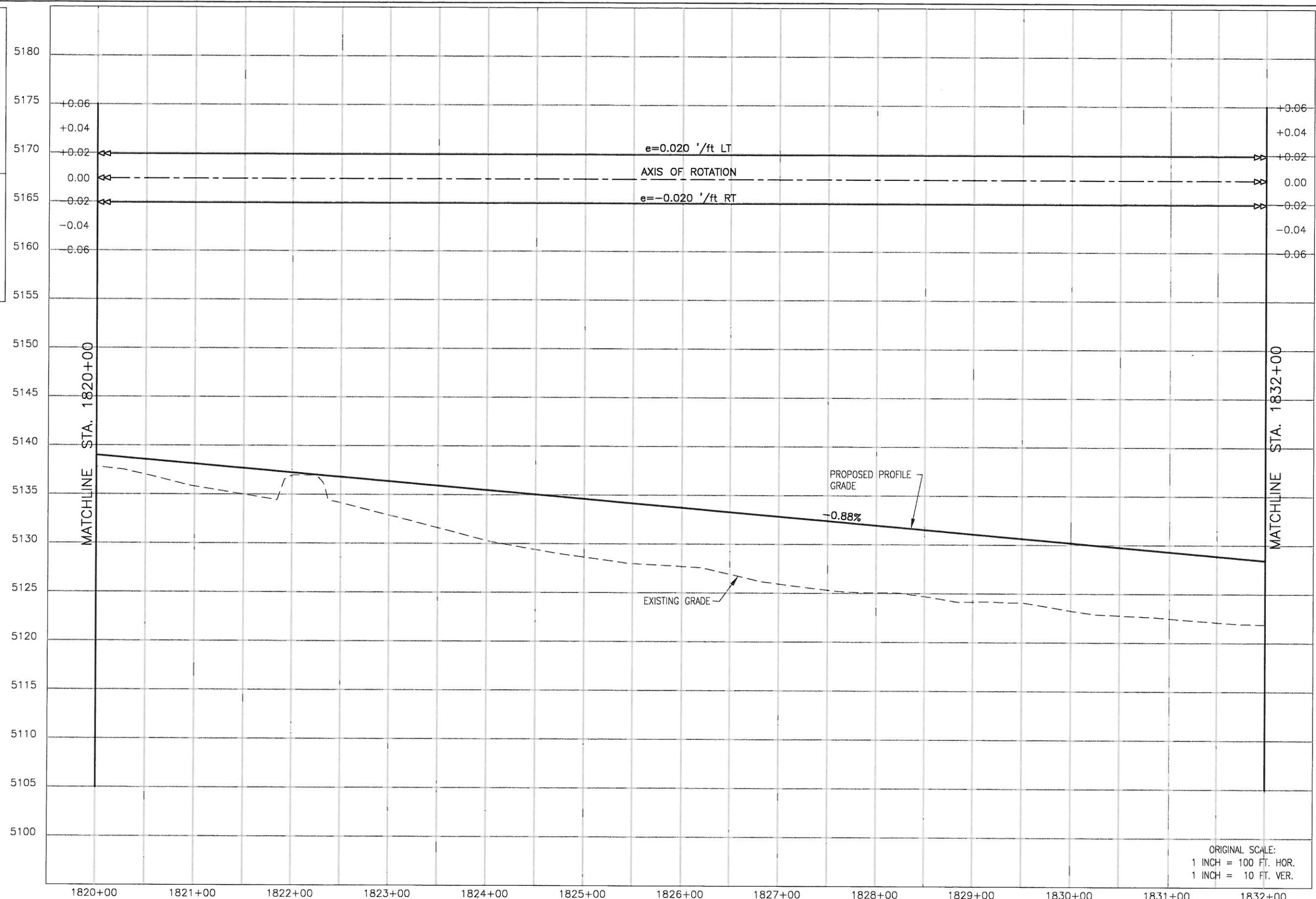
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| No Revisions: 04-15-08 |
| Revised: |
| Void: |

| Roadway Profile | |
|-----------------------|-------------------|
| US 287 | |
| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 17 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 294 |

URS DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\HITS\43_ROADWAY_PROFILES_US287\RDPR18.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
 CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




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ORIGINAL SCALE:
 1 INCH = 100 FT. HOR.
 1 INCH = 10 FT. VER.

| Computer File Information | |
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| Sheet Revisions | |
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| (R-) | |
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| (R-) | |

Colorado Department of Transportation

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 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
Region 4 S.C.E.

| As Constructed |
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| No Revisions: 04-15-08 |
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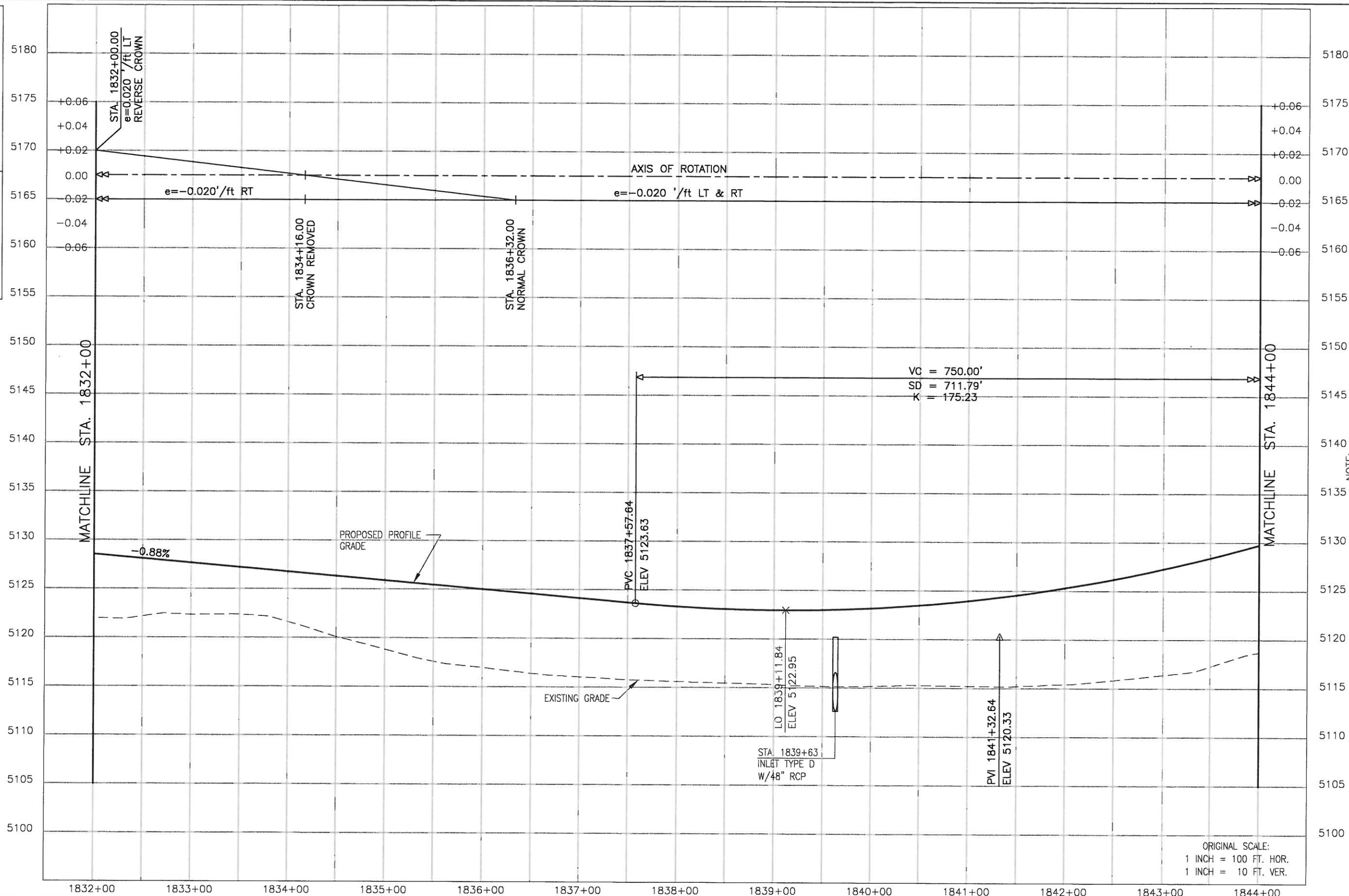
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|-----------------------|-------------------|
| US 287 | |
| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 18 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 295 |

DRAWING PATH: I:\684434\SEG2\CAD\PLANSHTS\4_3_ROADWAY_PROFILES_US287\RDPR19.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




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1 INCH = 100 FT. HOR.
1 INCH = 10 FT. VER.

| Computer File Information | |
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| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |

Colorado Department of Transportation



2207 E. HWY 402
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Region 4 S.C.E.

| As Constructed |
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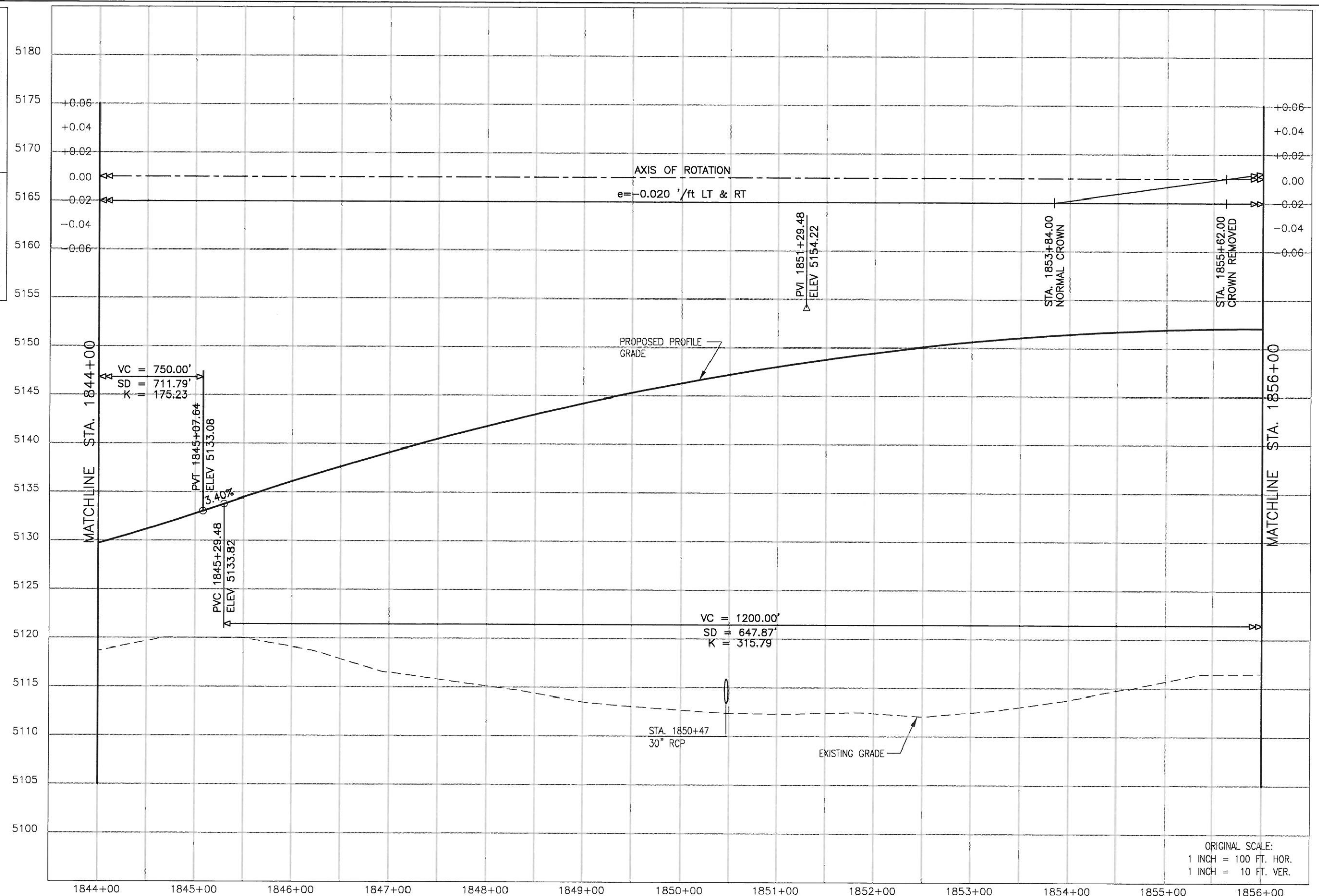
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| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 19 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 296 |

DRAWING PATH: I:\684434\SEG2\CAD\PLANS\43_ROADWAY_PROFILES_US287\RDPR20.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987

[CALL] 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




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1 INCH = 100 FT. HOR.
1 INCH = 10 FT. VER.

| Computer File Information | |
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| Full Path: SEE SHEET MARGIN | |
| Drawing File Name: RDPR20.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |

Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

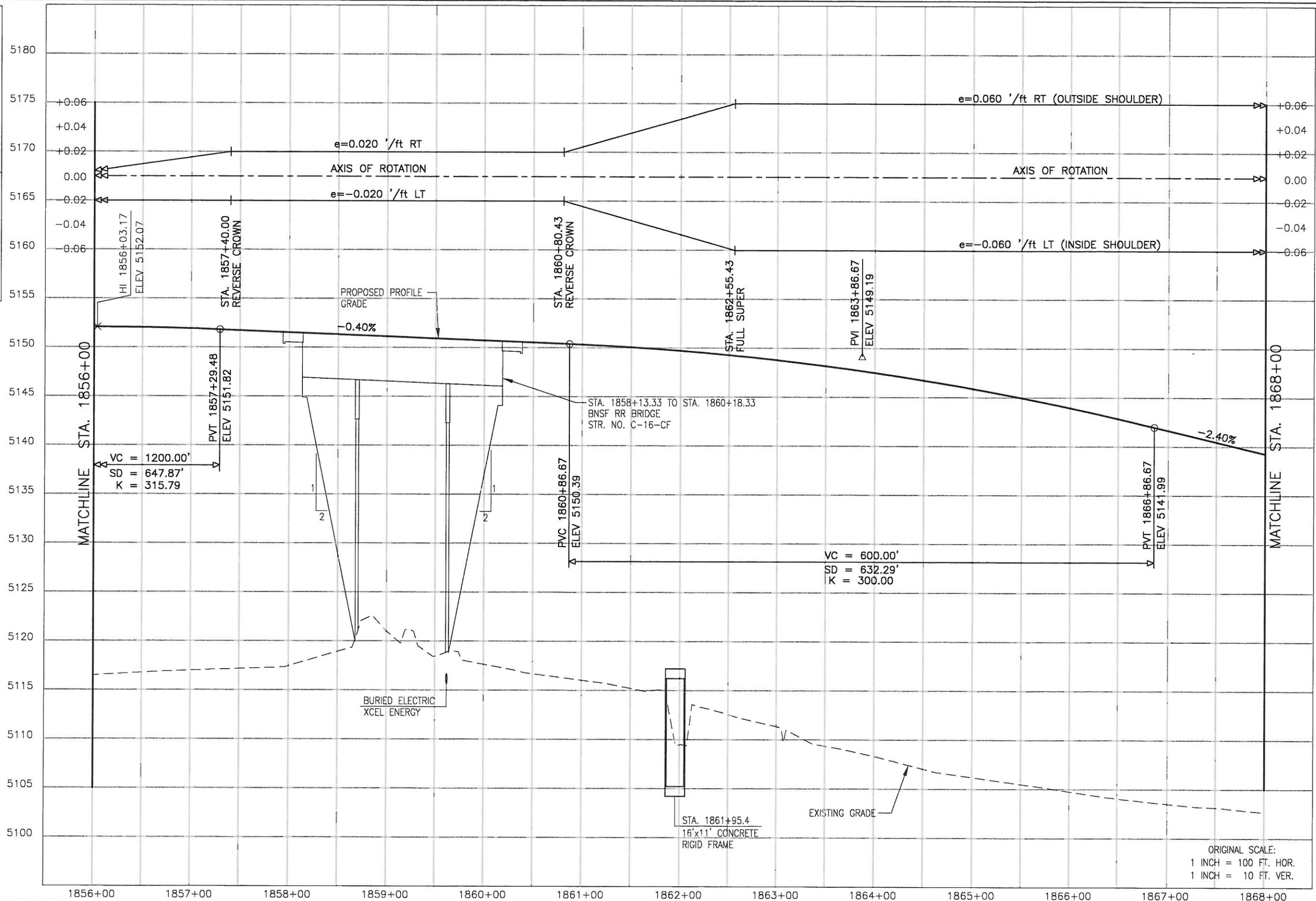
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| Revised: | |
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| Roadway Profile | |
|-----------------------|-------------------|
| US 287 | |
| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 20 of 24 |

| Project No./Code | |
|------------------|-----|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 297 |

DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\43_ROADWAY_PROFILES_US287\RDPR21.DWG

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



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| Computer File Information | |
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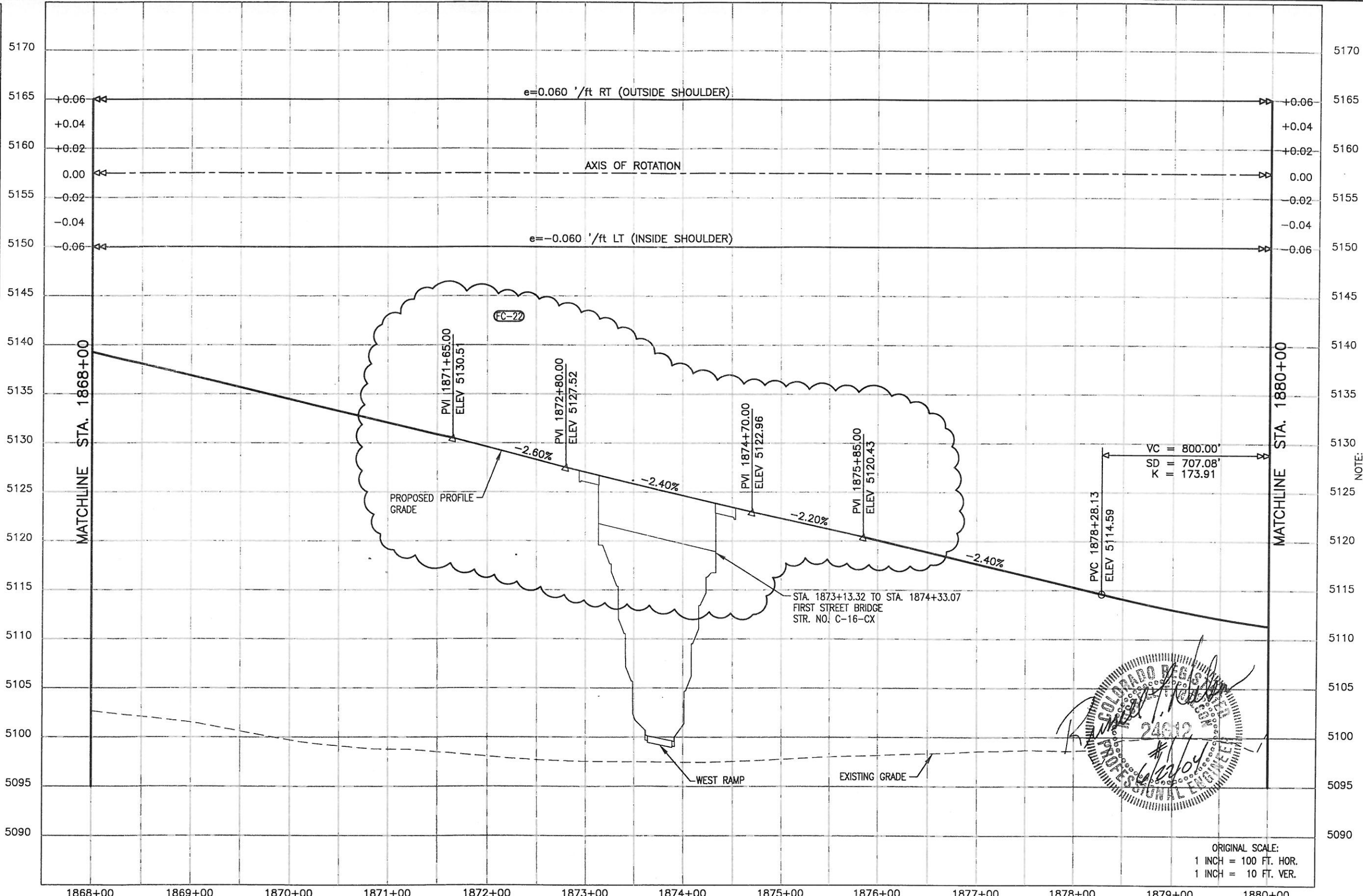
Colorado Department of Transportation
 2207 E. HWY 402
 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289
 Region 4 S.C.E.

| As Constructed | |
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| Revised: | |
| Void: | |

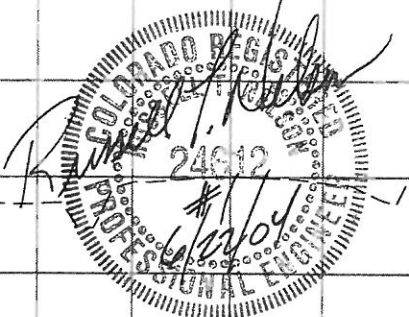
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| US 287 | |
| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 21 of 24 |

| Project No./Code | |
|------------------|-----|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 298 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.
 CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987



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ORIGINAL SCALE:
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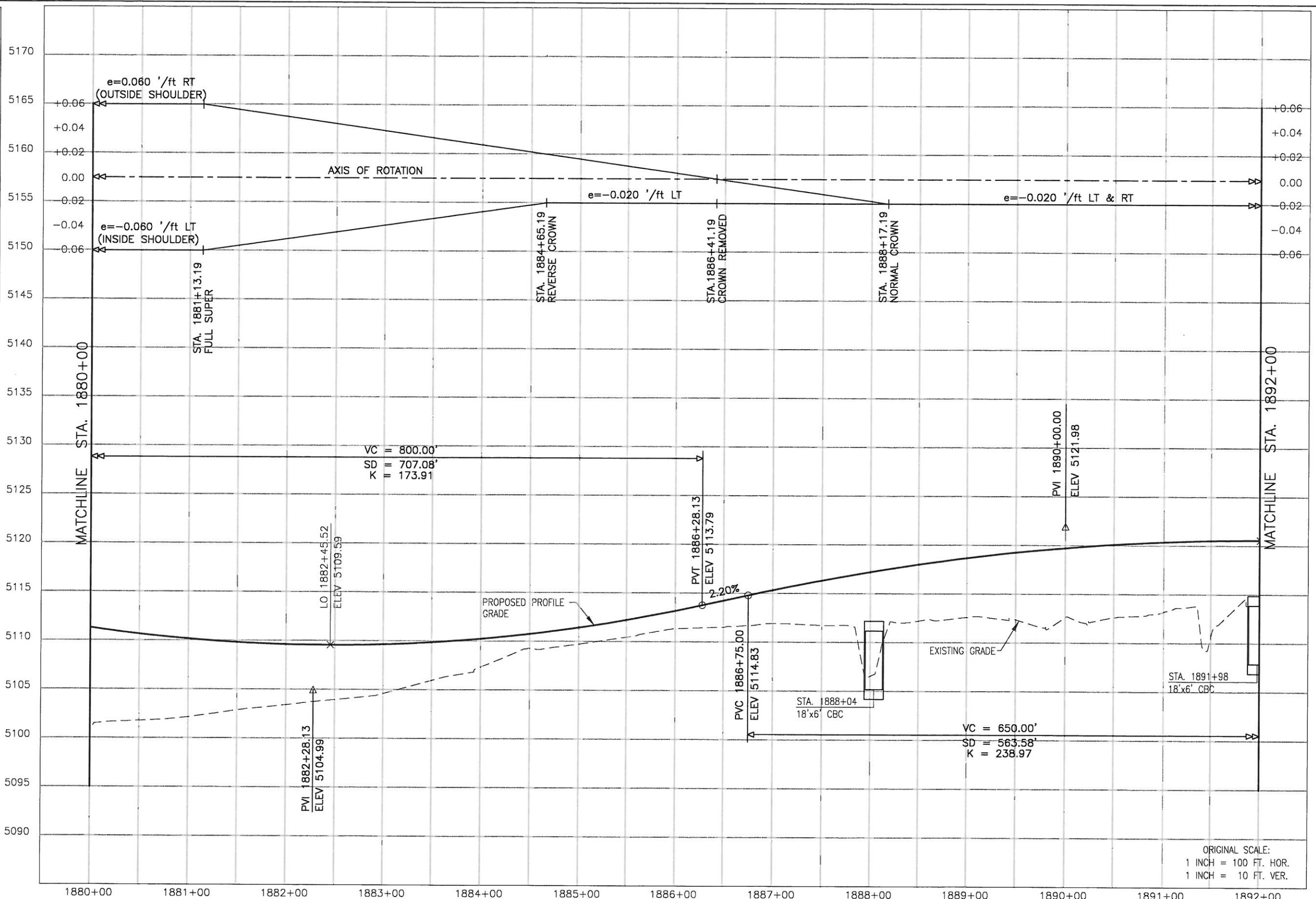
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| FC-22 | 06/21/04 | CHANGE PROFILE | S.C.E. | | | | | | | | | | | | | | | | |
| | | CMD # 97 | | | | | | | | | | | | | | | | | |

DRAWING PATH: I:\6844341\SEG2\CAD\PLANSHTS\4.3_ROADWAY_PROFILES_US287\RDPR23.DWG

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.




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ORIGINAL SCALE:
1 INCH = 100 FT. HOR.
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| Computer File Information | |
|--|--------------------------------|
| Creation Date: 4/6/00 | Initials: D.V.B. |
| Last Modification Date: 08/13/02 23:41 | Initials: C.E.F. |
| Full Path: SEE SHEET MARGIN | |
| Drawing File Name: RDPR23.DWG | |
| Acad Ver. 2002 | Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
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| (R-) | |
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Colorado Department of Transportation



2207 E. HWY 402
LOVELAND, CO 80537
Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

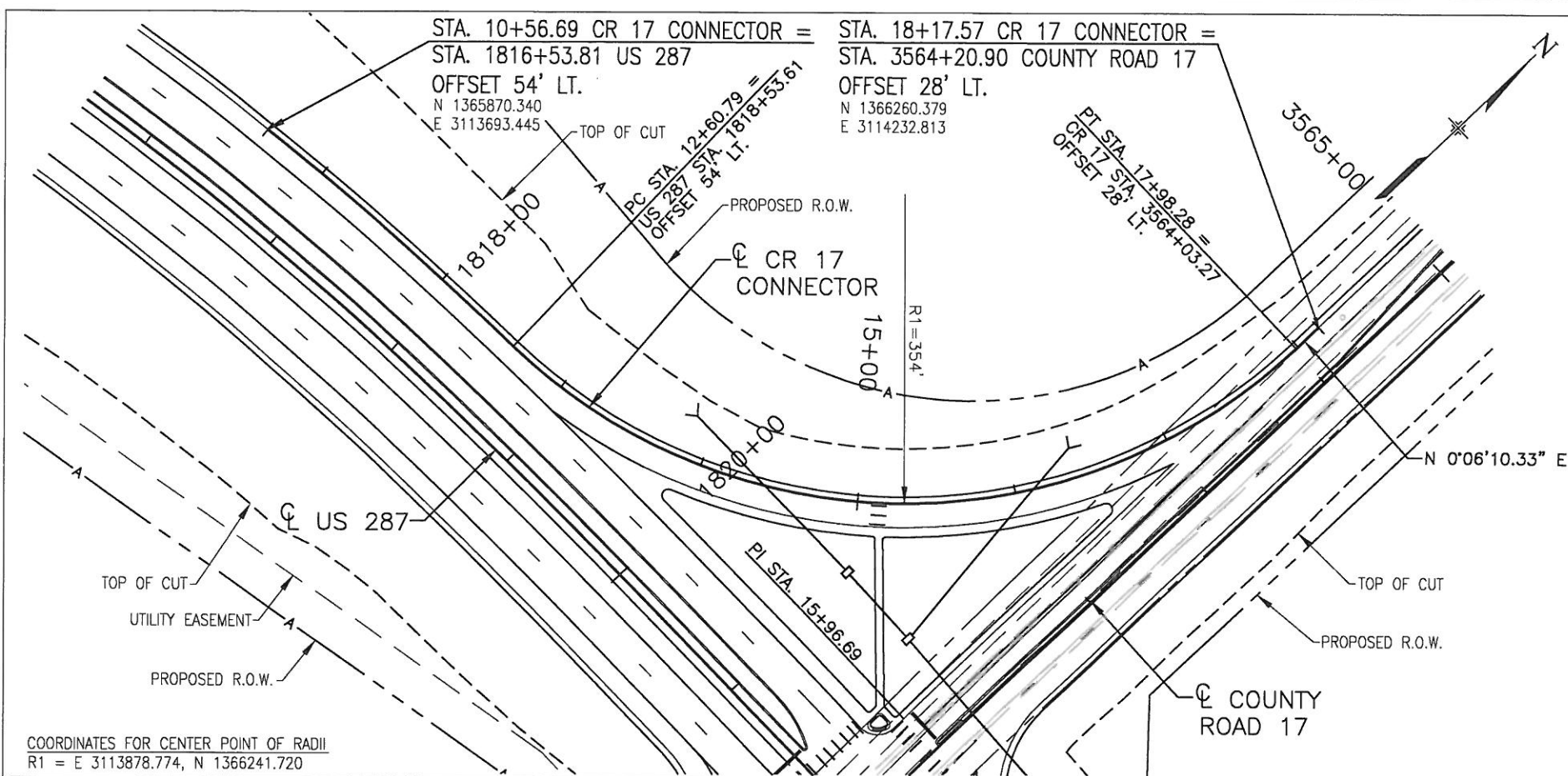
| As Constructed |
|------------------------|
| No Revisions: 04-15-08 |
| Revised: |
| Void: |

| Roadway Profile | |
|-----------------------|-------------------|
| US 287 | |
| Designer: R. NELSON | Structure Numbers |
| Detailer: M. LAMUTT | |
| Sheet Subset: ROADWAY | 23 of 24 |

| Project No./Code |
|------------------|
| NH 2873-114 |
| 13393 |
| Sheet Number 300 |

CALL 3-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

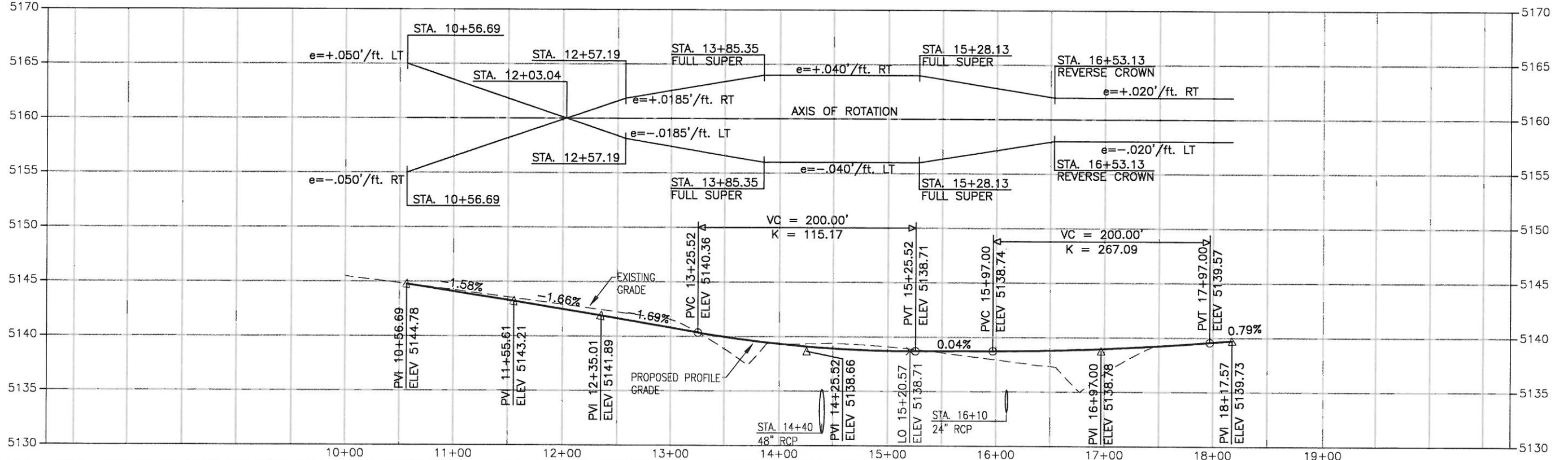


NOTES:

- COUNTY ROAD 17 CONNECTOR ALIGNMENT STA. 10+56.69 TO STA. 12+60.79 IS PARALLEL TO US 287 ALIGNMENT STA. 1816+53.81 TO STA. 1818+53.61 AND OFFSET 54 FEET LEFT.
- COUNTY ROAD 17 CONNECTOR ALIGNMENT STA. 17+98.28 TO STA. 18+17.57 IS PARALLEL TO COUNTY ROAD 17 ALIGNMENT STA. 3564+03.27 TO STA. 3464+20.90 AND OFFSET 28 FEET LEFT.



NOTE: THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.




DRAWING PATH: I:\6844341\SEG2\CAD\PLANS\50_ROADWAY_PLANS_CR17\TCPP101.DWG

| Computer File Information | |
|---------------------------|-------------------------------------|
| Creation Date: | 10/21/00 Initials: RAH |
| Last Modification Date: | 08/13/02 23:33 Initials: C.E.F. |
| Full Path: | SEE SHEET MARGIN |
| Drawing File Name: | TCPP101.DWG |
| Acad Ver. | 2002 Scale: AS SHOWN Units: ENGLISH |

| Sheet Revisions | |
|-----------------|--|
| (R-) | |
| (R-) | |
| (R-) | |
| (R-) | |
| (R-) | |

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 LOVELAND, CO 80537
 Phone: 970-667-4670 FAX: 970-669-0289

Region 4 S.C.E.

| As Constructed | |
|----------------|----------|
| No Revisions: | 04-25-08 |
| Revised: | |
| Void: | |

| Roadway Plan and Profile County Road 17 Connector | | |
|--|-------------|-----------------------|
| Designer: | P. WELLS | Structure Numbers |
| Detailer: | R. HAMILTON | |
| Sheet Subset: | ROADWAY | Subset Sheets: 1 of 1 |

| Project No./Code | |
|------------------|-----|
| NH 2873-114 | |
| 13393 | |
| Sheet Number | 325 |