

PROJECT ID:  
4337-23-71

COUNTY:  
MANITOWOC

WITH: N/A

ORDER OF SHEETS

|             |   |                              |
|-------------|---|------------------------------|
| Section No. | 1 | Title                        |
| Section No. | 2 | Typical Sections and Details |
| Section No. | 3 | Estimate of Quantities       |
| Section No. | 3 | Miscellaneous Quantities     |
| Section No. | 4 | Right of Way Plat            |
| Section No. | 5 | Plan and Profile             |
| Section No. | 6 | Standard Detail Drawings     |
| Section No. | 7 | Sign Plates                  |
| Section No. | 8 | Structure Plans              |
| Section No. | 9 | Computer Earthwork Data      |
| Section No. | 9 | Cross Sections               |

TOTAL SHEETS =



DESIGN DESIGNATION

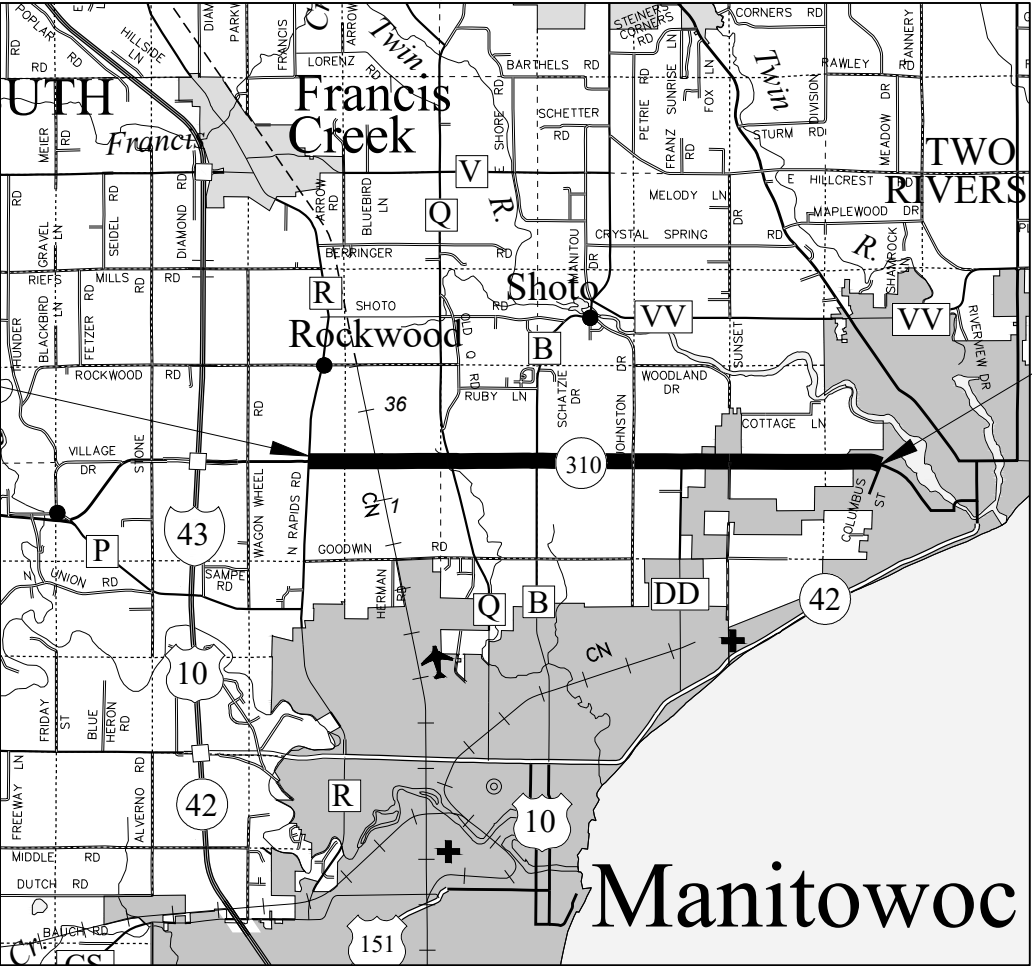
|              |   |
|--------------|---|
| A.A.D.T.     | = |
| A.A.D.T.     | = |
| D.H.V.       | = |
| D.D.         | = |
| T.           | = |
| DESIGN SPEED | = |
| ESALS        | = |

CONVENTIONAL SYMBOLS

|                                |  |
|--------------------------------|--|
| PLAN                           |  |
| CORPORATE LIMITS               |  |
| PROPERTY LINE                  |  |
| LOT LINE                       |  |
| LIMITED HIGHWAY EASEMENT       |  |
| EXISTING RIGHT OF WAY          |  |
| PROPOSED OR NEW R/W LINE       |  |
| SLOPE INTERCEPT                |  |
| REFERENCE LINE                 |  |
| EXISTING CULVERT               |  |
| PROPOSED CULVERT (Box or Pipe) |  |
| COMBUSTIBLE FLUIDS             |  |
| MARSH AREA                     |  |
| WOODED OR SHRUB AREA           |  |

|                                             |  |
|---------------------------------------------|--|
| PROFILE                                     |  |
| GRADE LINE                                  |  |
| ORIGINAL GROUND                             |  |
| MARSH OR ROCK PROFILE (To be noted as such) |  |
| SPECIAL DITCH                               |  |
| GRADE ELEVATION                             |  |
| CULVERT (Profile View)                      |  |
| UTILITIES                                   |  |
| ELECTRIC                                    |  |
| FIBER OPTIC                                 |  |
| GAS                                         |  |
| SANITARY SEWER                              |  |
| STORM SEWER                                 |  |
| TELEPHONE                                   |  |
| WATER                                       |  |
| UTILITY PEDESTAL                            |  |
| POWER POLE                                  |  |
| TELEPHONE POLE                              |  |

BEGIN PROJECT  
STA 82+00.00  
Y=323,306.077  
X=219.676.056



LAYOUT  
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 5.929 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MANITOWOC COUNTY NAD83 ( 2011 ), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT  
IH 43 - TWO RIVERS  
CTH R - COLUMBUS STREET  
STH 310  
MANITOWOC COUNTY

STATE PROJECT NUMBER  
4337-23-71

| STATE PROJECT | FEDERAL PROJECT |          |
|---------------|-----------------|----------|
|               | PROJECT         | CONTRACT |
| 4337-23-71    |                 |          |
|               |                 |          |
|               |                 |          |
|               |                 |          |

TRANS 220  
PROJECT PLAN  
FOR  
DESIGN OF UTILITY FACILITY  
ALTERATIONS OR RELOCATIONS  
Date: 11/16/2022

END PROJECT  
STA 405+26.69  
Y=323.112.664  
X=251,956.396



| STATE OF WISCONSIN<br>DEPARTMENT OF TRANSPORTATION |               |
|----------------------------------------------------|---------------|
| PREPARED BY                                        |               |
| Surveyor                                           | NE REGION     |
| Designer                                           | M. COHEN      |
| Project Manager                                    | B. HAEN       |
| Regional Examiner                                  |               |
| Regional Supervisor                                | D. SEGERSTROM |
| APPROVED FOR THE DEPARTMENT                        |               |
| DATE:                                              | (Signature)   |

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE EXACT CONSTRUCTION LIMITS AND LOCATIONS OF ALL ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- TRAFFIC CONTROL
- DETOUR PLAN
- ALIGNMENT PLAN

DNR LIASION

WISCONSIN DEPARTMENT OF NATURAL RESOURCES  
MATT SCHAEVE  
2984 SHAWANO AVE  
GREEN BAY, WI 54313  
(920) 366-1544  
matthew.schaeve@wisconsin.gov

MANITOWOC COUNTY HIGHWAY COMMISSIONER

GREG GROTEGUT  
3500 STATE RD 310  
MANITOWOC, WI 54220-9659  
(920) 683-4353  
greggrotegut@co.manitowoc.wi.us

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, PLS  
944 VANDERPERREN WAY  
GREEN BAY, WI 54304  
(920) 492-5638  
cormac.mcinnis@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

BRIAN HAEN  
944 VANDERPERREN WAY  
GREEN BAY, WI 54304  
(920) 366-4788  
brian.haen@dot.wi.gov

COMMUNICATIONS

COMPANY NAME  
CONTACT NAME  
ADDRESS  
CITY, STATE, ZIP  
PHONE:  
EMAIL:

RUNOFF COEFFICIENT TABLE

|                         | HYDROLOGIC SOIL GROUP |     |          |                       |     |          |                       |     |          |                       |     |          |
|-------------------------|-----------------------|-----|----------|-----------------------|-----|----------|-----------------------|-----|----------|-----------------------|-----|----------|
|                         | A                     |     |          | B                     |     |          | C                     |     |          | D                     |     |          |
|                         | SLOPE RANGE (PERCENT) |     |          | SLOPE RANGE (PERCENT) |     |          | SLOPE RANGE (PERCENT) |     |          | SLOPE RANGE (PERCENT) |     |          |
| LAND USE:               | 0-2                   | 2-6 | 6 & OVER | 0-2                   | 2-6 | 6 & OVER | 0-2                   | 2-6 | 6 & OVER | 0-2                   | 2-6 | 6 & OVER |
| ROW CROPS               | .08                   | .16 | .22      | .12                   | .20 | .27      | .15                   | .24 | .33      | .19                   | .28 | .38      |
|                         | .22                   | .30 | .38      | .26                   | .34 | .44      | .30                   | .37 | .50      | .34                   | .41 | .56      |
| MEDIAN STRIP-<br>TURF   | .19                   | .20 | .24      | .19                   | .22 | .26      | .20                   | .23 | .30      | .20                   | .25 | .30      |
|                         | .24                   | .26 | .30      | .25                   | .28 | .33      | .26                   | .30 | .37      | .27                   | .32 | .40      |
| SIDE SLOPE-<br>TURF     |                       |     | .25      |                       |     | .27      |                       |     | .28      |                       |     | .30      |
|                         |                       |     | .32      |                       |     | .34      |                       |     | .36      |                       |     | .38      |
| PAVEMENT:               |                       |     |          |                       |     |          |                       |     |          |                       |     |          |
| ASPHALT                 | .70 - .95             |     |          |                       |     |          |                       |     |          |                       |     |          |
| CONCRETE                | .80 - .95             |     |          |                       |     |          |                       |     |          |                       |     |          |
| BRICK                   | .70 - .80             |     |          |                       |     |          |                       |     |          |                       |     |          |
| DRIVES, WALKS           | .75 - .85             |     |          |                       |     |          |                       |     |          |                       |     |          |
| ROOFS                   | .75 - .95             |     |          |                       |     |          |                       |     |          |                       |     |          |
| GRAVEL ROADS, SHOULDERS | .40 - .60             |     |          |                       |     |          |                       |     |          |                       |     |          |

TOTAL PROJECT AREA = \_\_\_\_\_ ACRES  
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = \_\_\_\_\_ ACRES

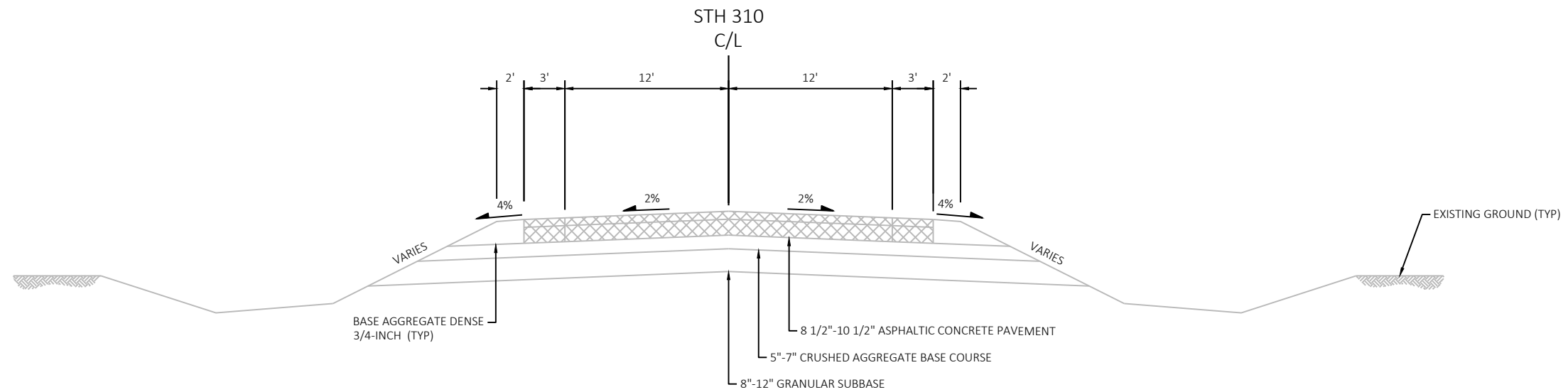
DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

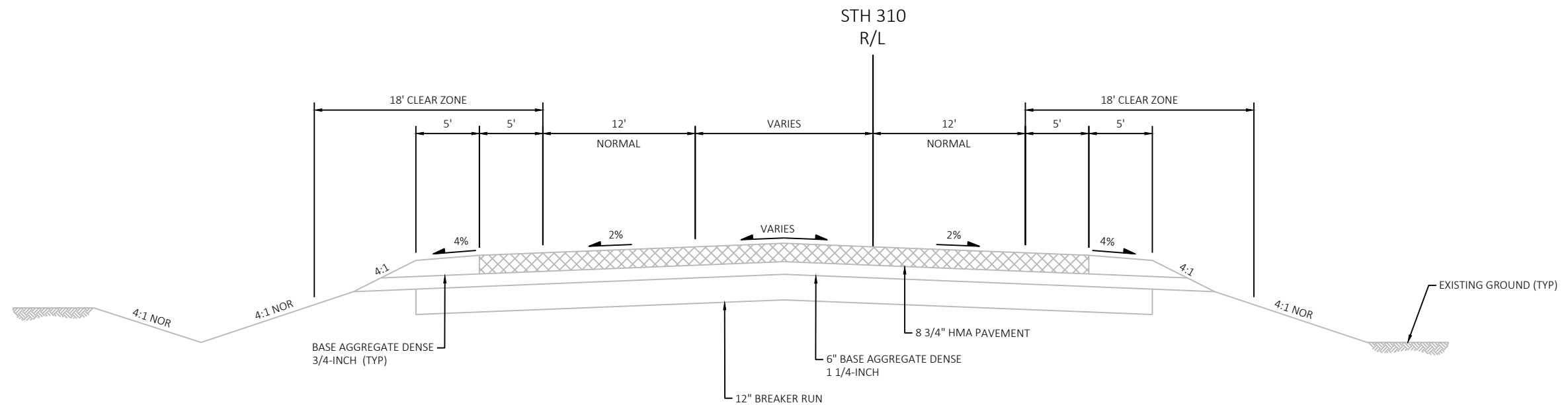


|                        |              |                   |                  |       |   |
|------------------------|--------------|-------------------|------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PROJECT OVERVIEW | SHEET | E |
|------------------------|--------------|-------------------|------------------|-------|---|



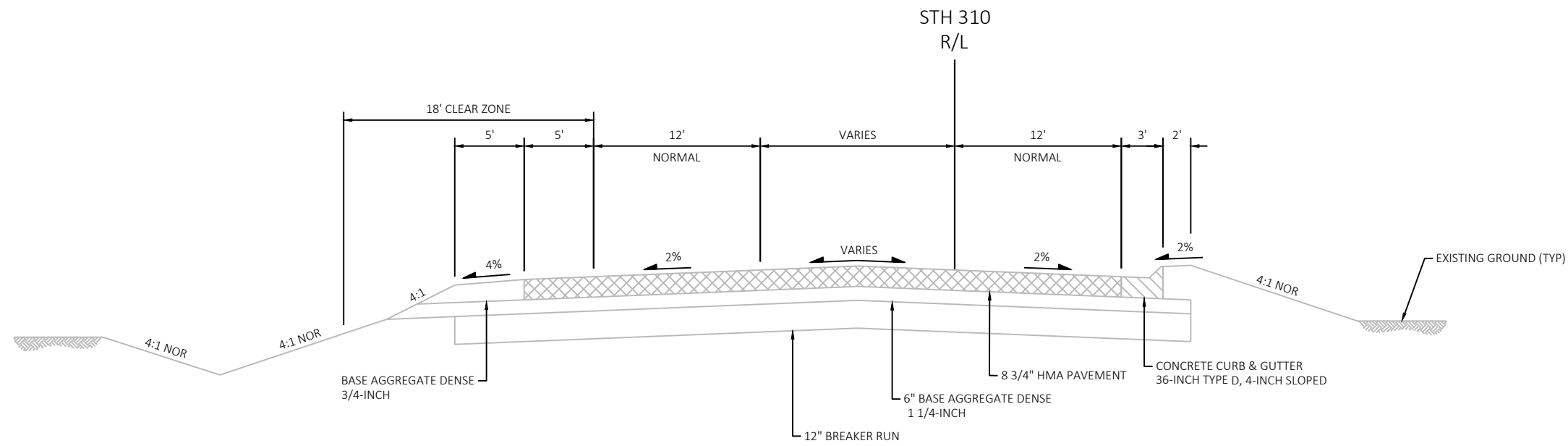
EXISTING TYPICAL SECTION STH 310

STA 96+35.52 TO STA 160+53.89  
STA 174+45.00 TO STA 208+20.65  
STA 220+79.53 TO STA 405+26.69

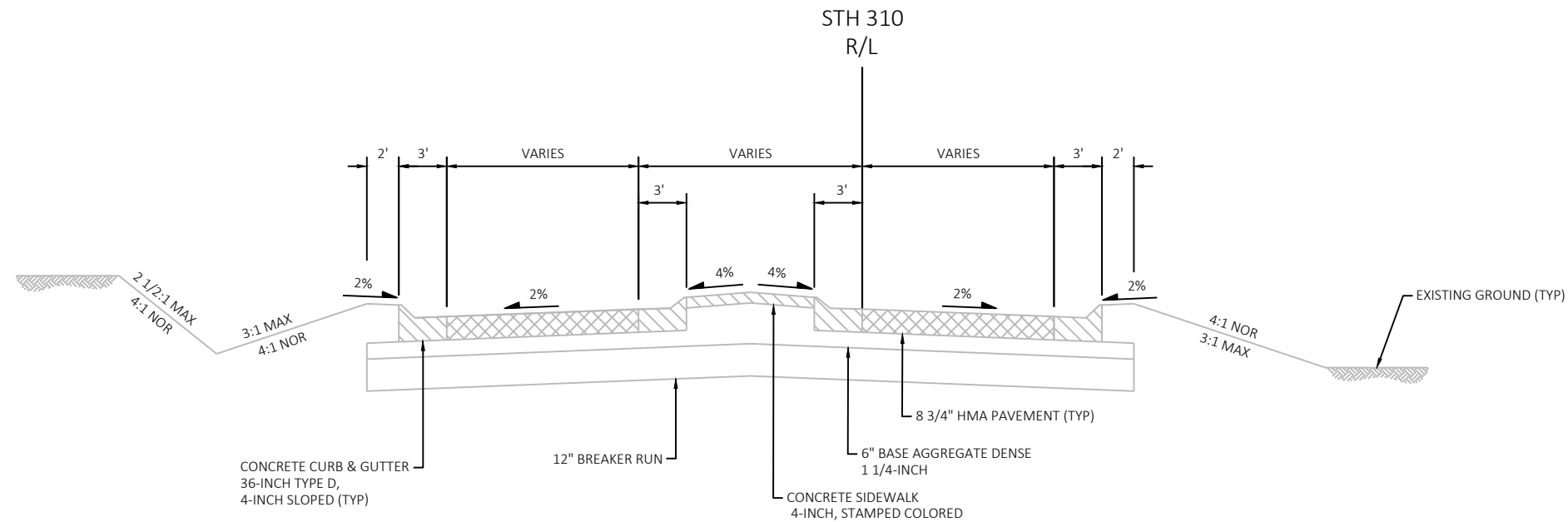


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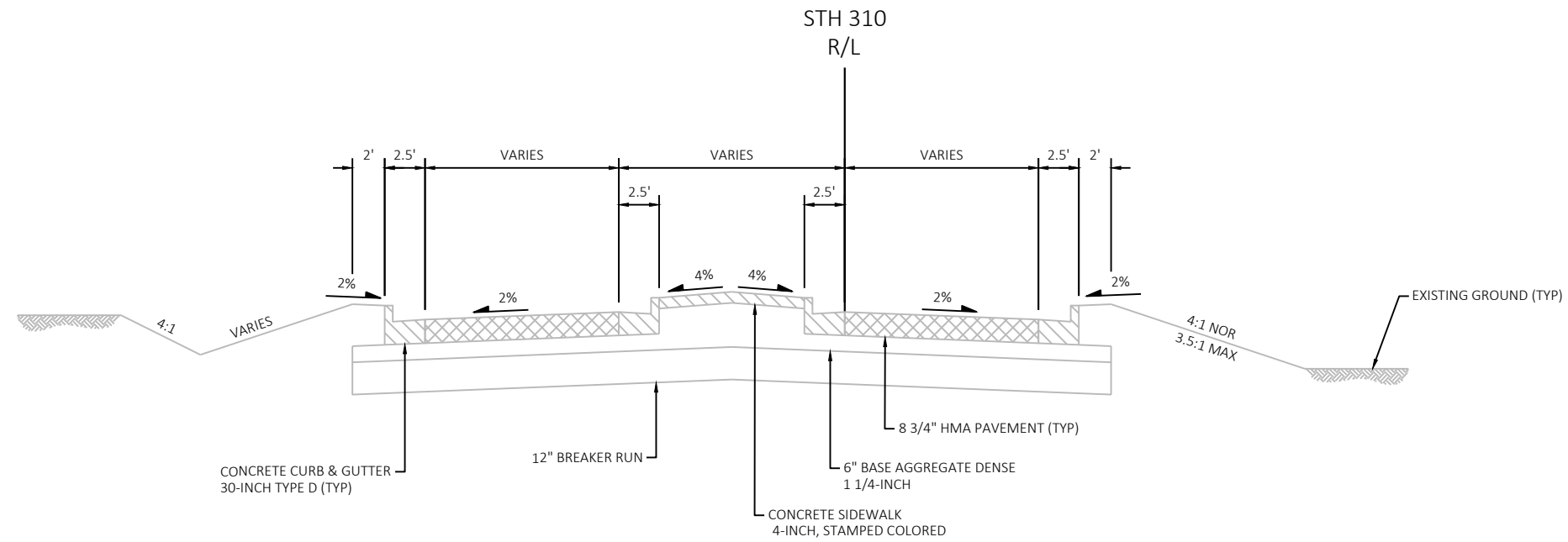
STA 82+00.00 TO STA 82+83.95



EXISTING TYPICAL SECTION STH 310  
STA 82+83.95 TO STA 86+09.12

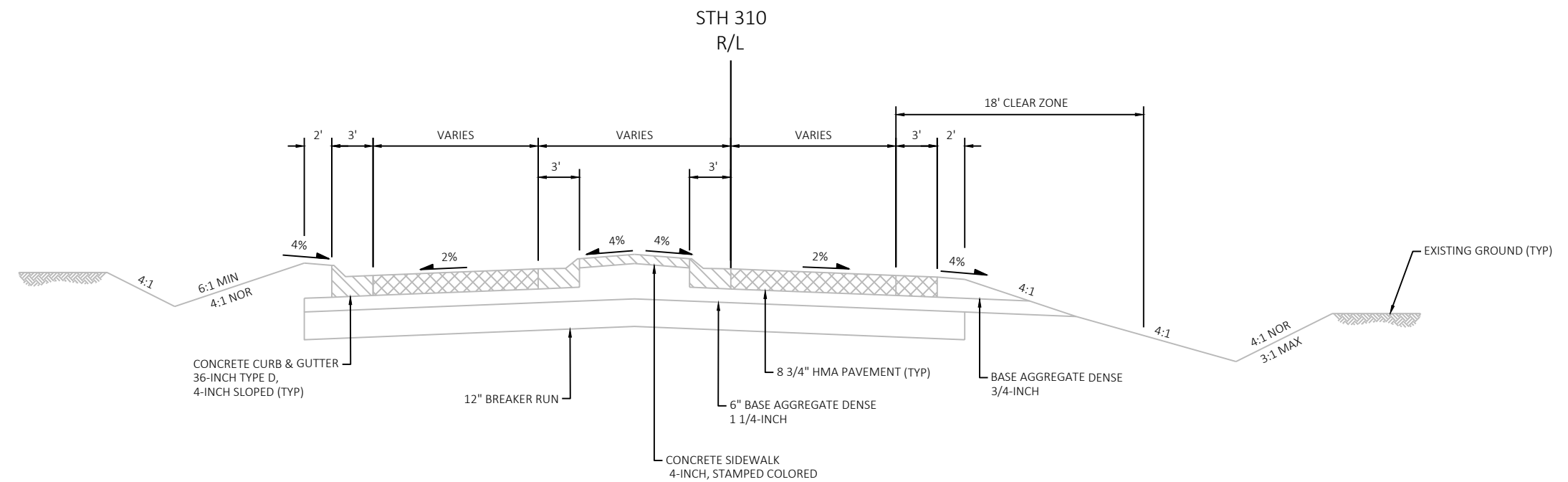


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STA 86+09.12 TO STA 87+40.29



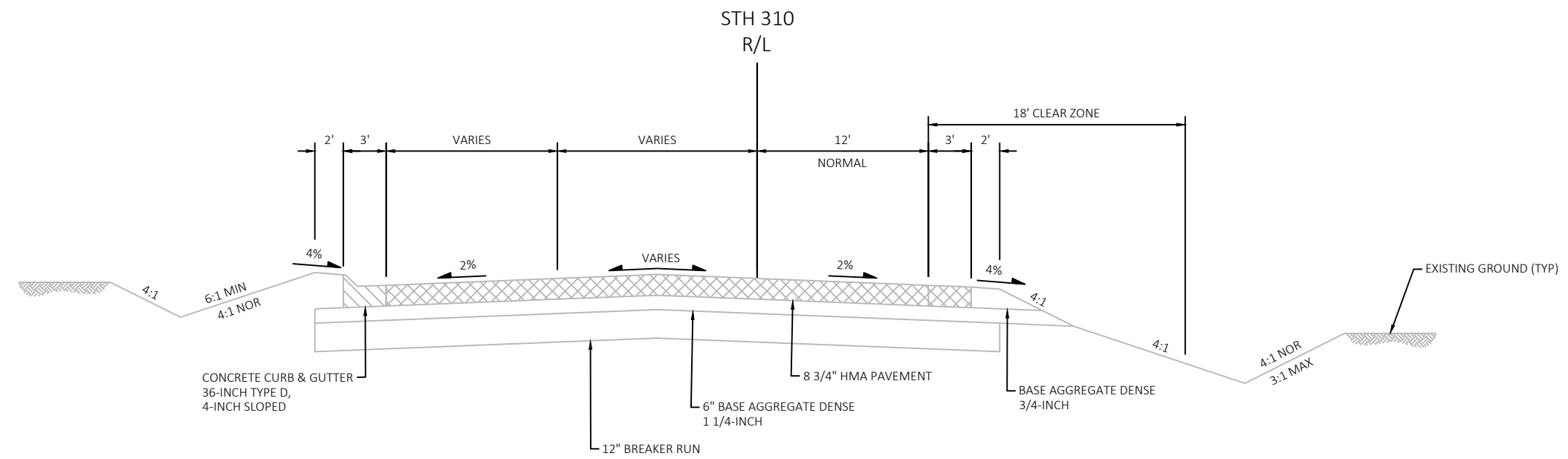
EXISTING TYPICAL SECTION STH 310

STA 87+40.29 TO STA 89+10.29  
STA 90+33.81 TO STA 92+13.31

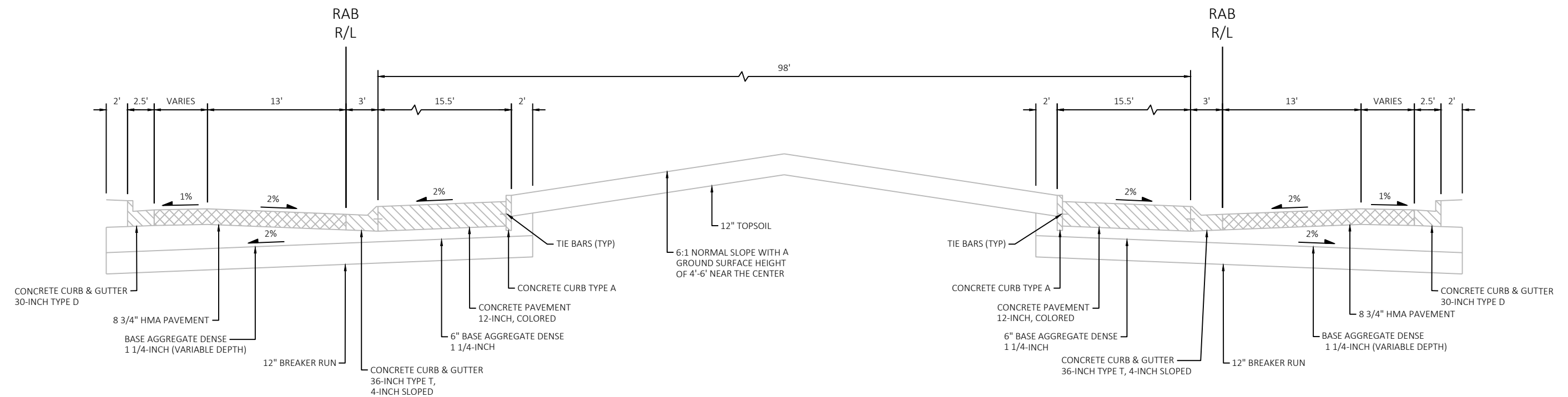


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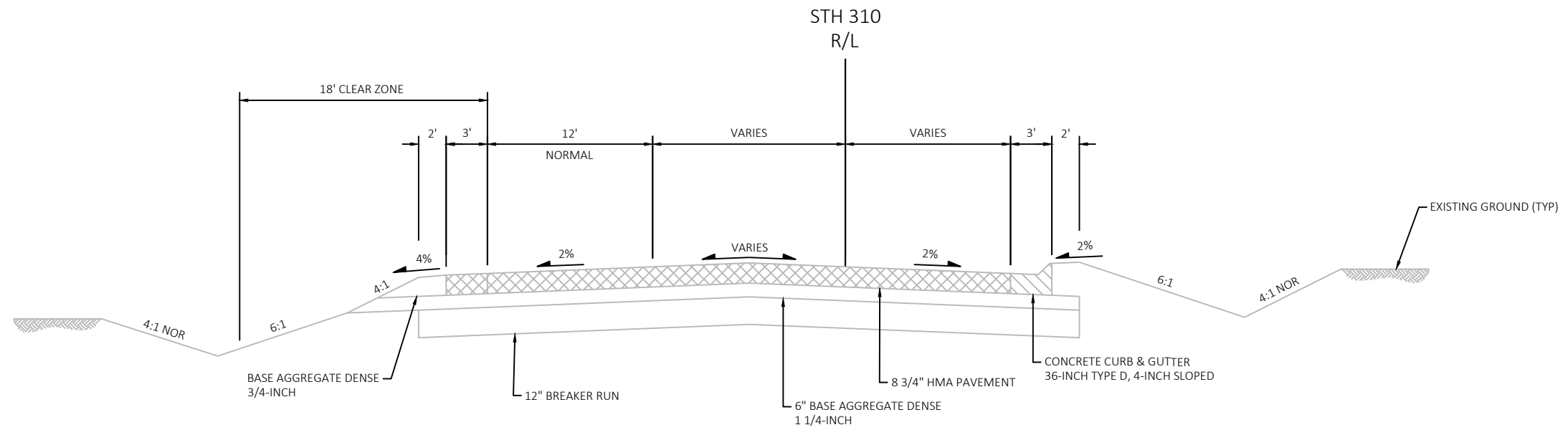
STA 92+13.31 TO STA 93+46.40



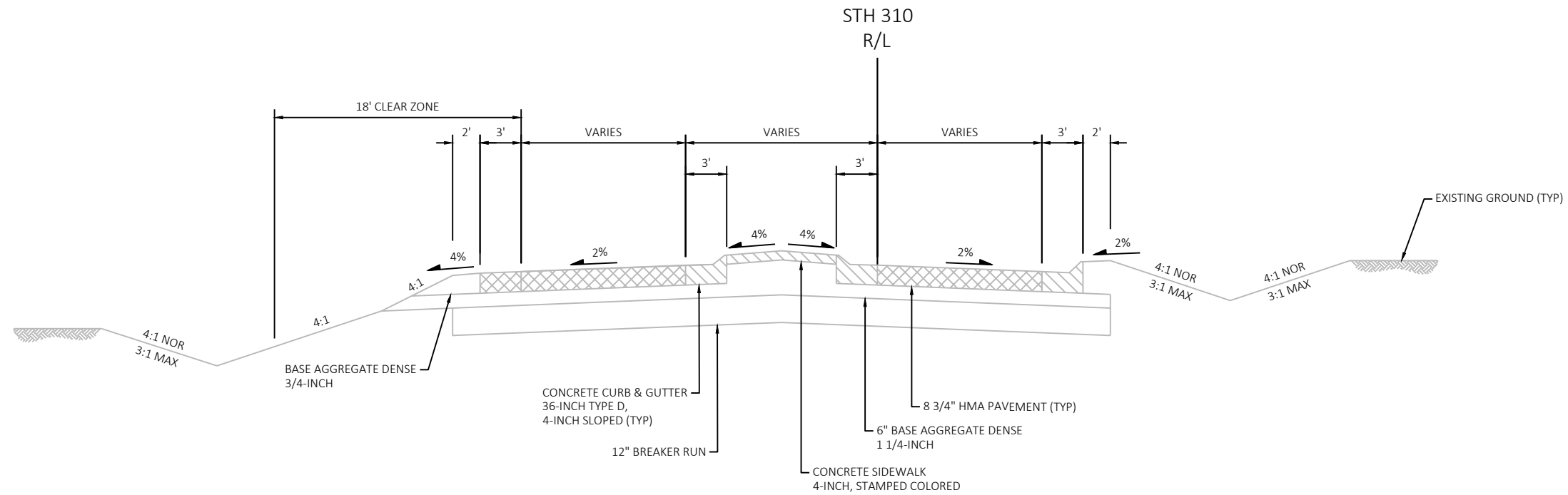
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STA 93+46.40 TO STA 96+35.52



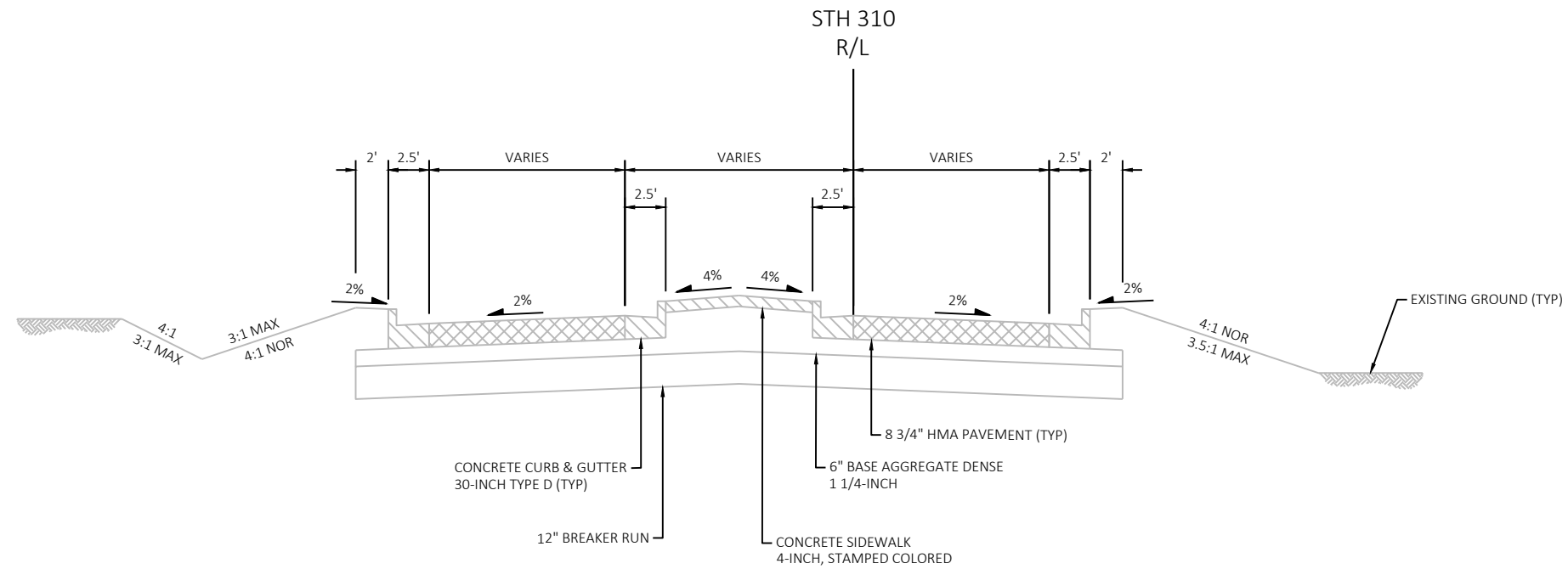
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ROUNDABOUT DETAIL



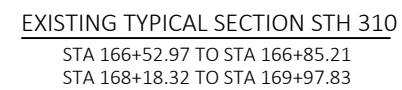
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STA 160+53.89 TO STA 163+77.92

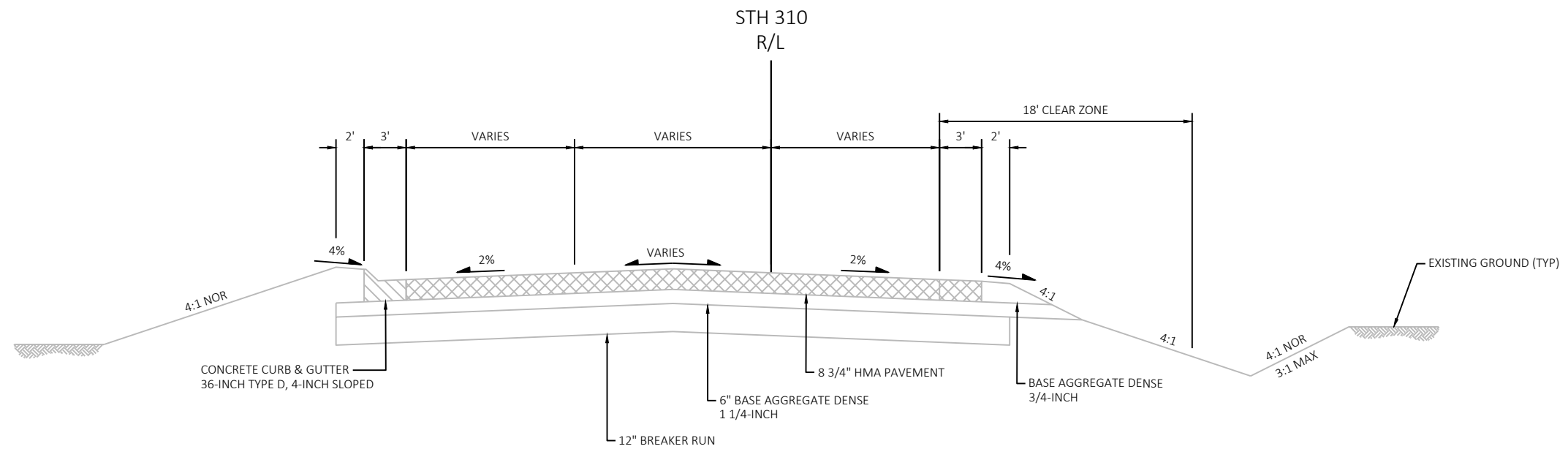


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STA 163+77.92 TO STA 165+05.24

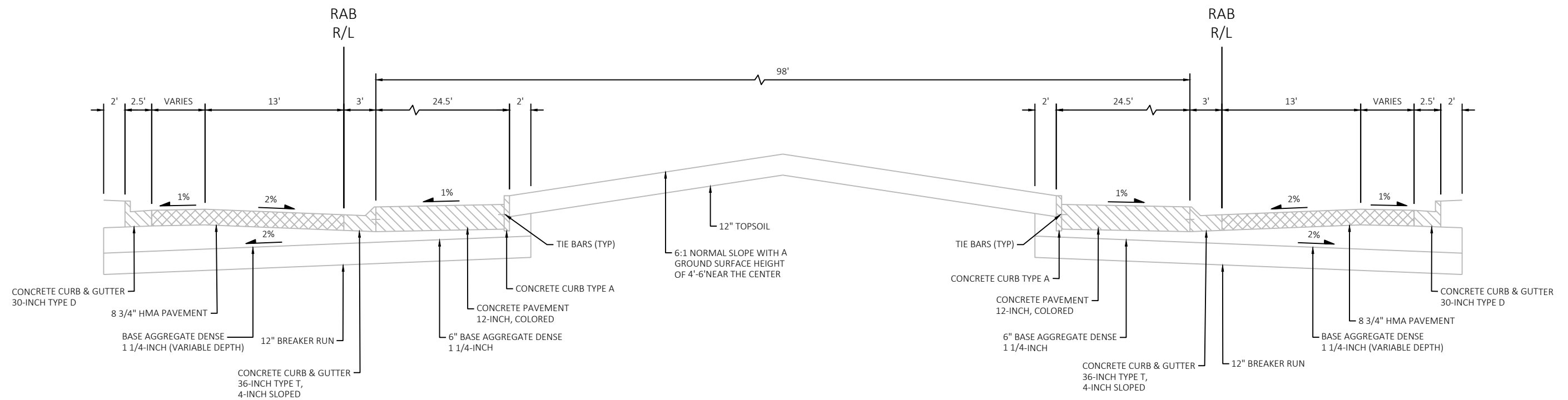


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STA 165+05.24 TO STA 166+52.97

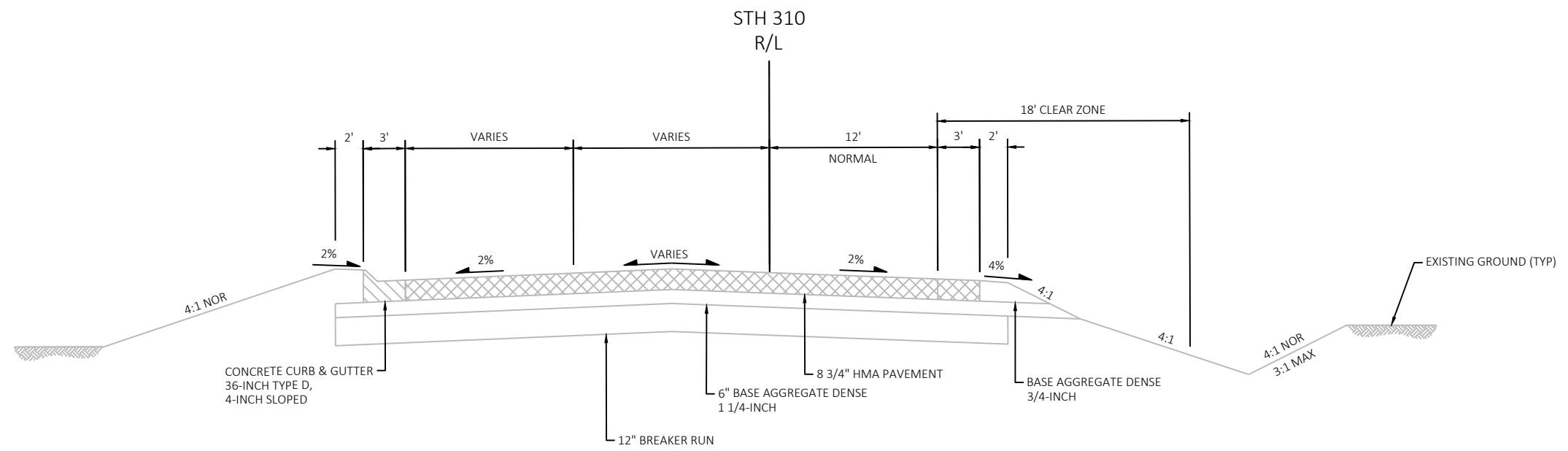




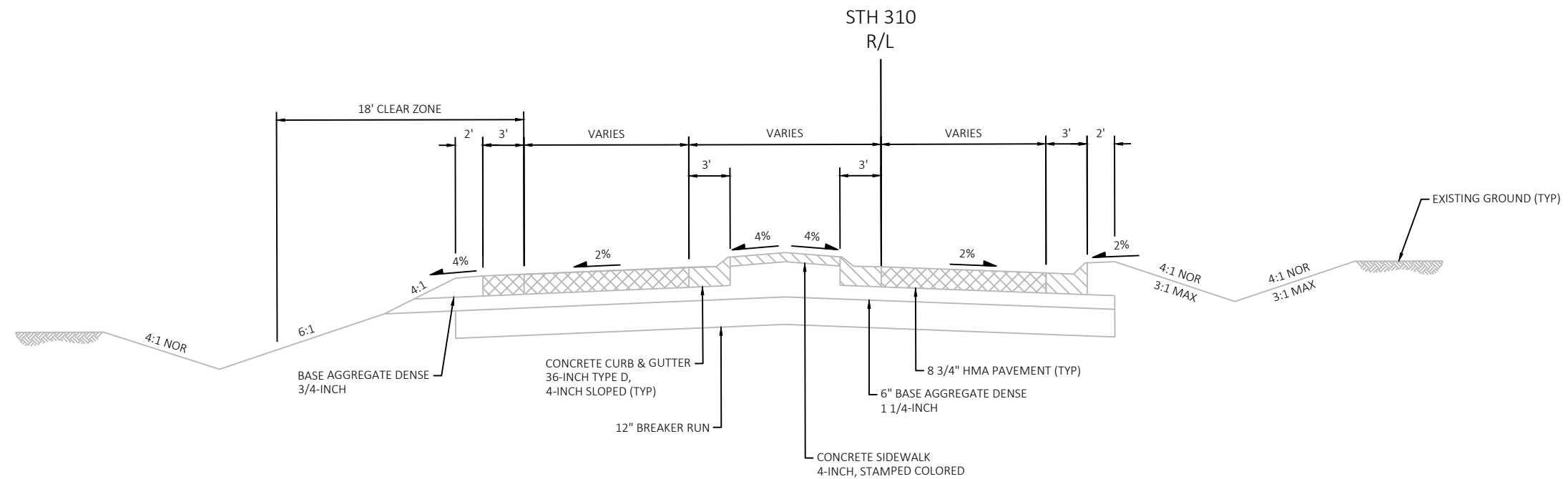
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STA 171+18.32 TO STA 174+45.00



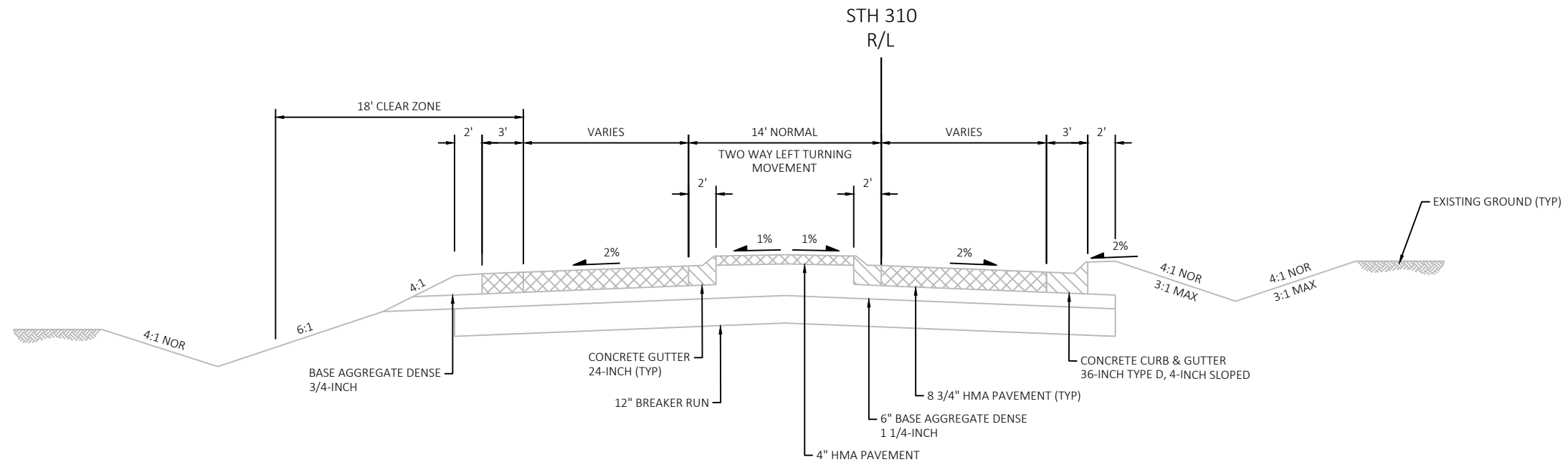
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ROUNDABOUT DETAIL



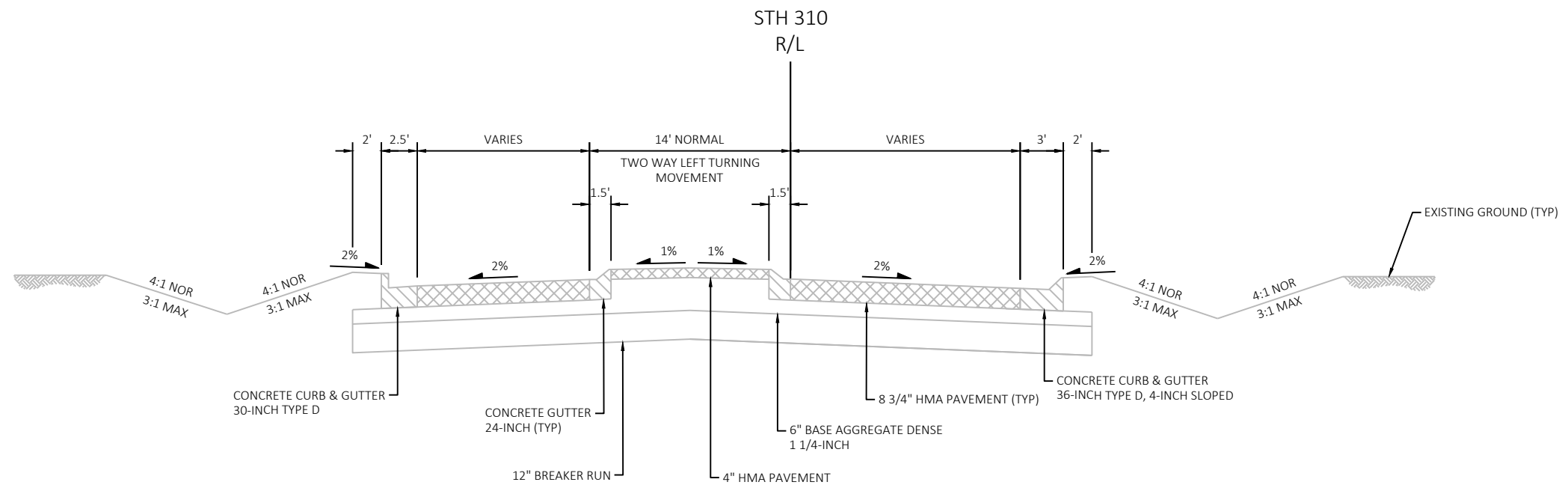
EXISTING TYPICAL SECTION STH 310  
STA 208+20.65 TO STA 209+05.49



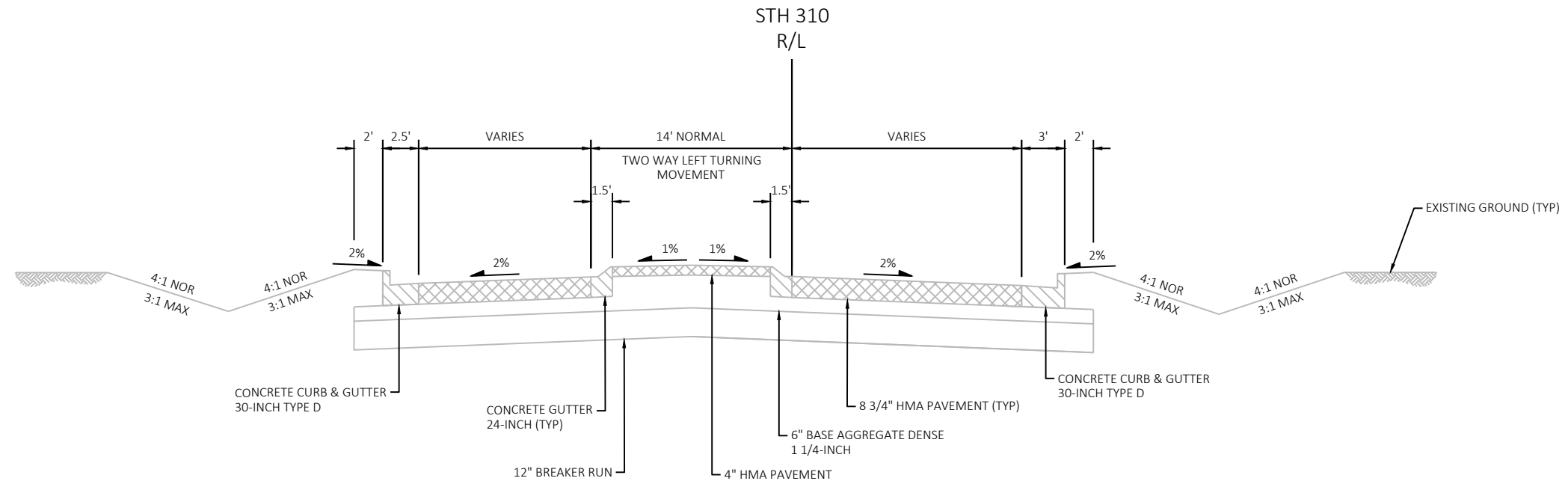
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STA 209+05.49 TO STA 209+91.03



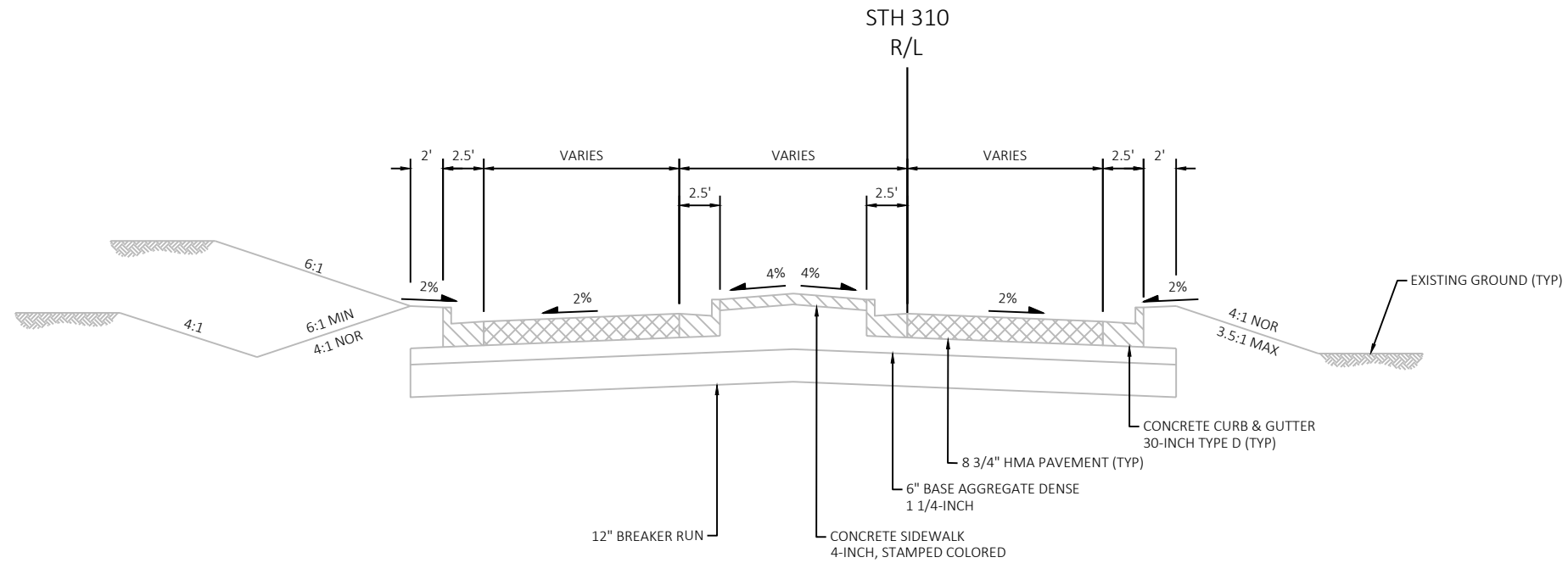
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STA 209+91.03 TO STA 211+30.49



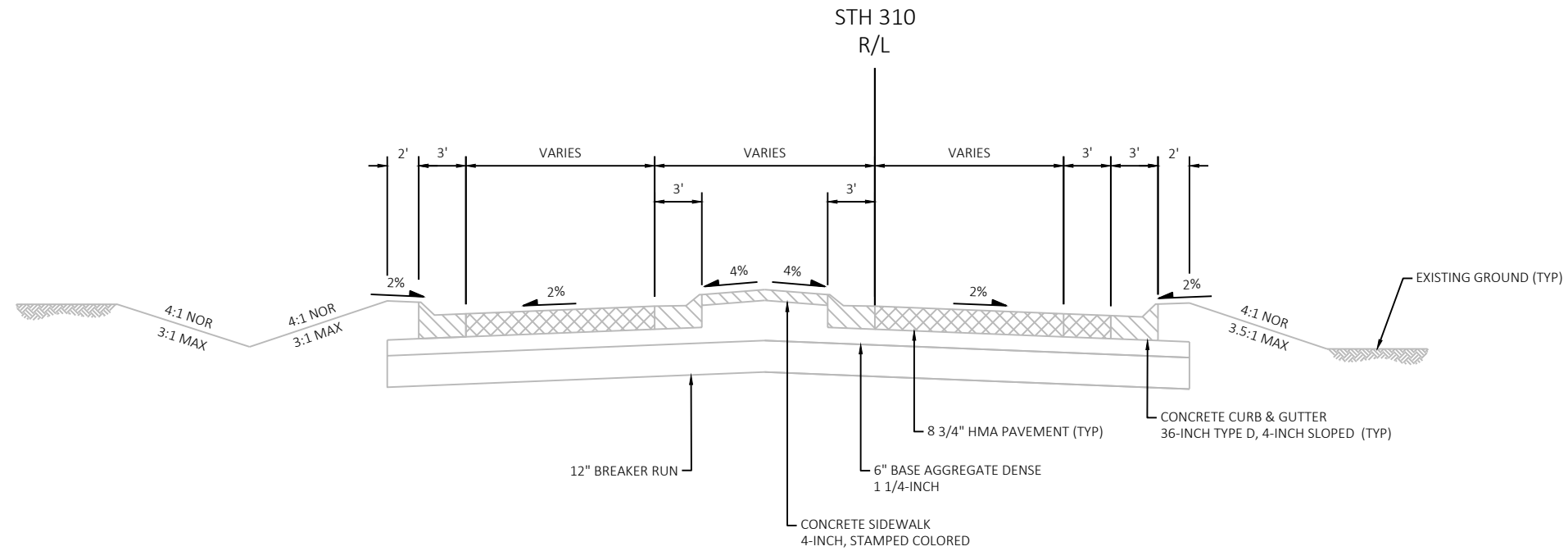
EXISTING TYPICAL SECTION STH 310  
STA 211+30.49 TO STA 212+79.60



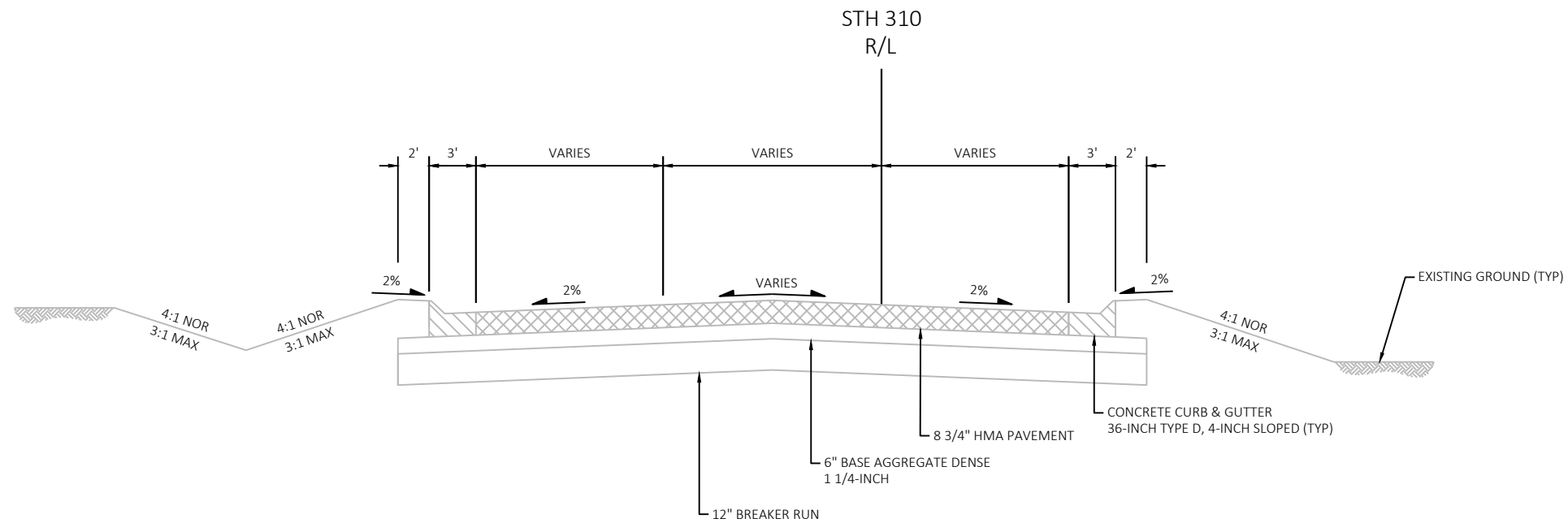
EXISTING TYPICAL SECTION STH 310  
STA 212+79.60 TO STA 214+01.19



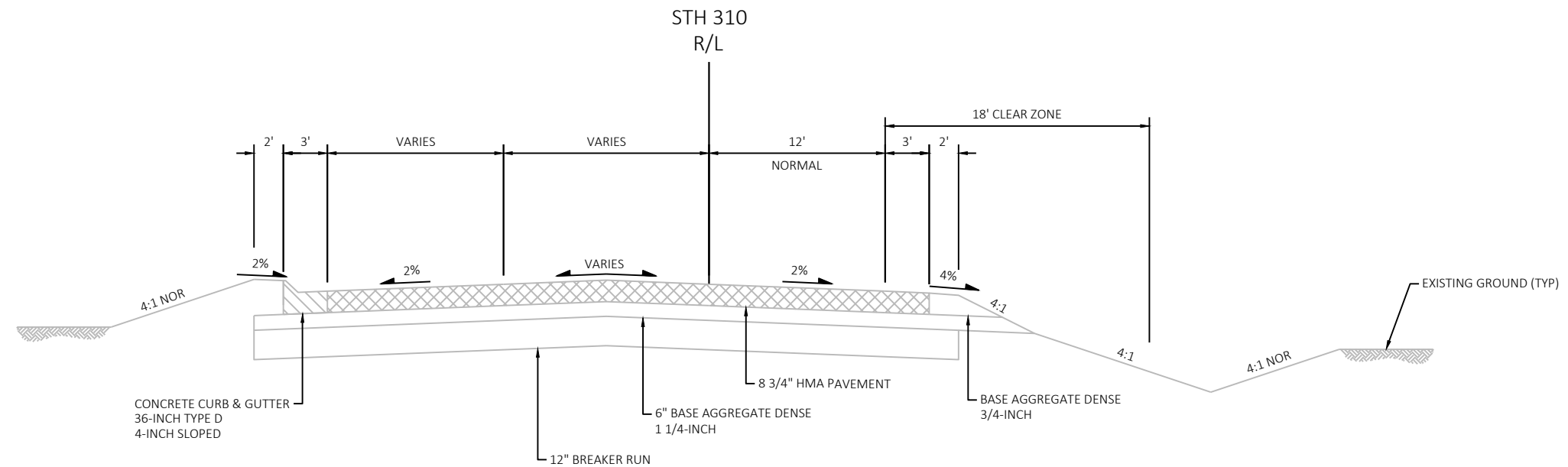
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STA 214+01.19 TO STA 214+49.60  
STA 215+82.97 TO STA 217+52.97



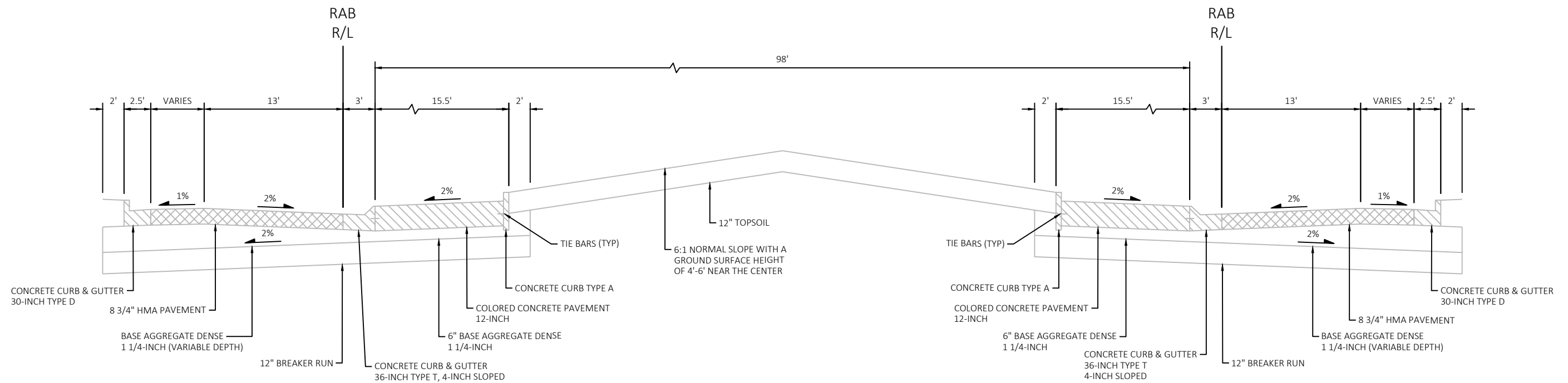
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STA 217+52.97 TO STA 218+40.67



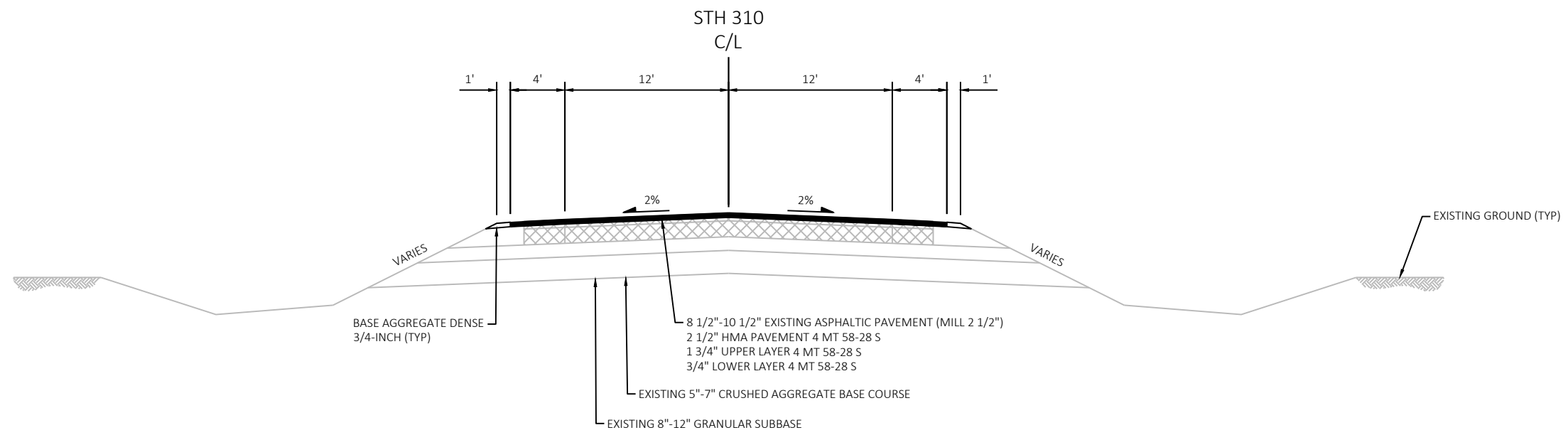
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STA 218+40.67 TO STA 219+91.40



EXISTING TYPICAL SECTION STH 310  
STA 219+91.40 TO STA 220+79.53 STH 310 EASTBOUND CONSTRUCTION R/L

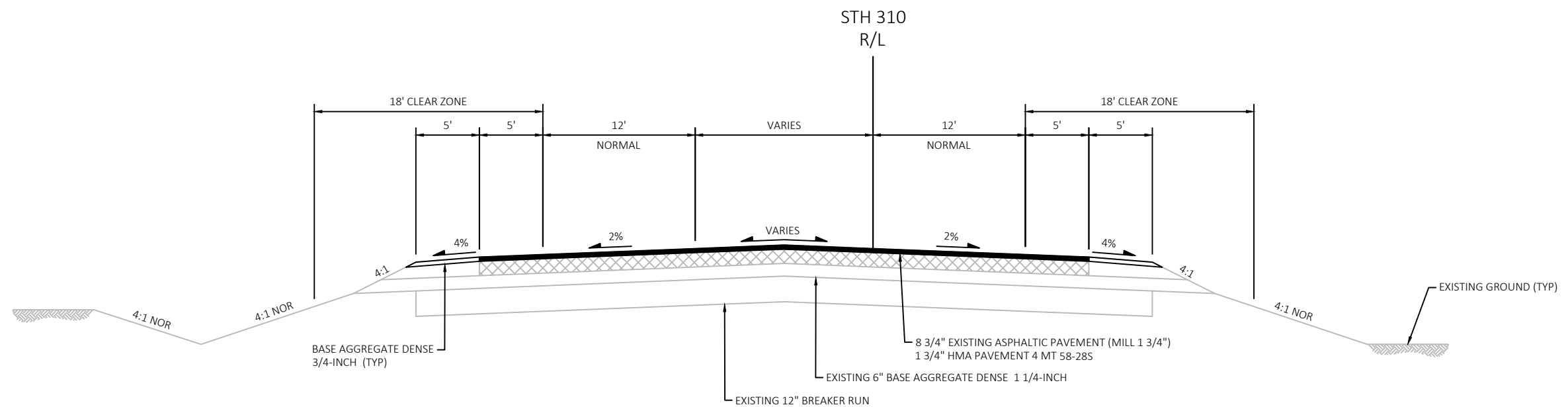


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ROUNDABOUT DETAIL



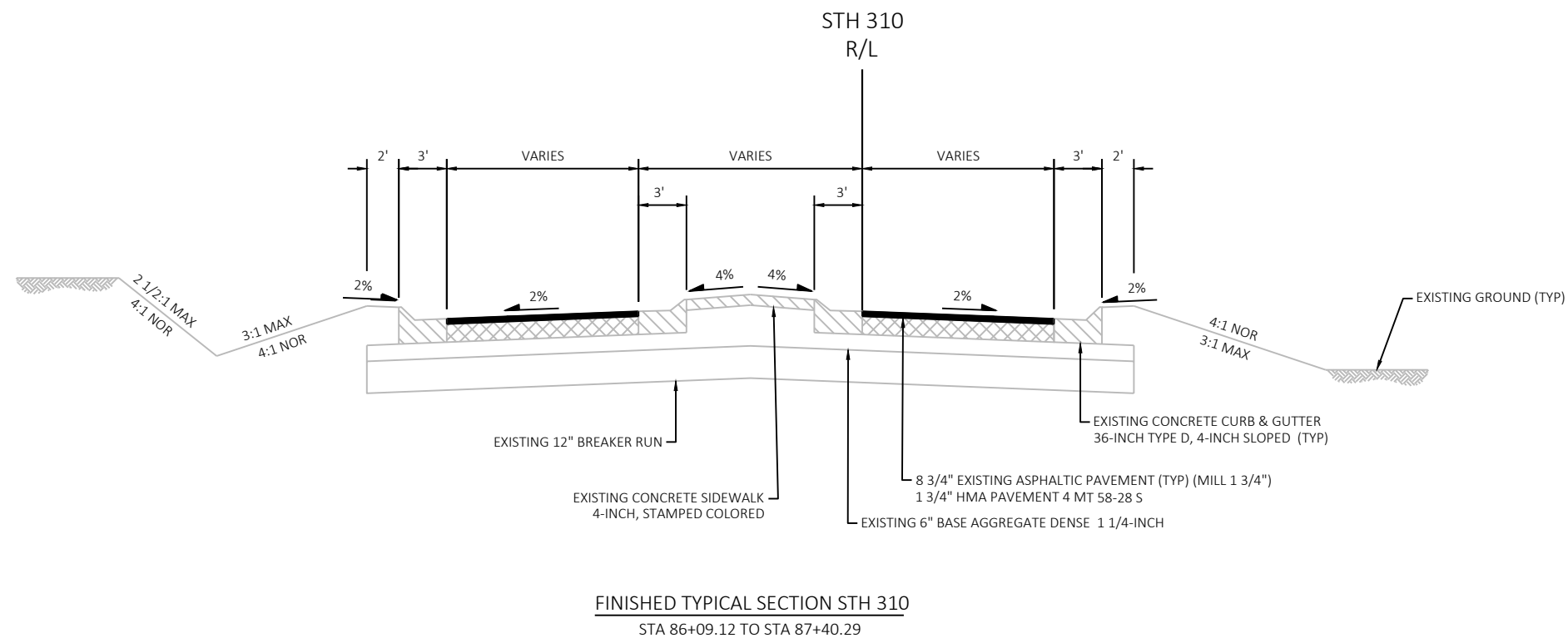
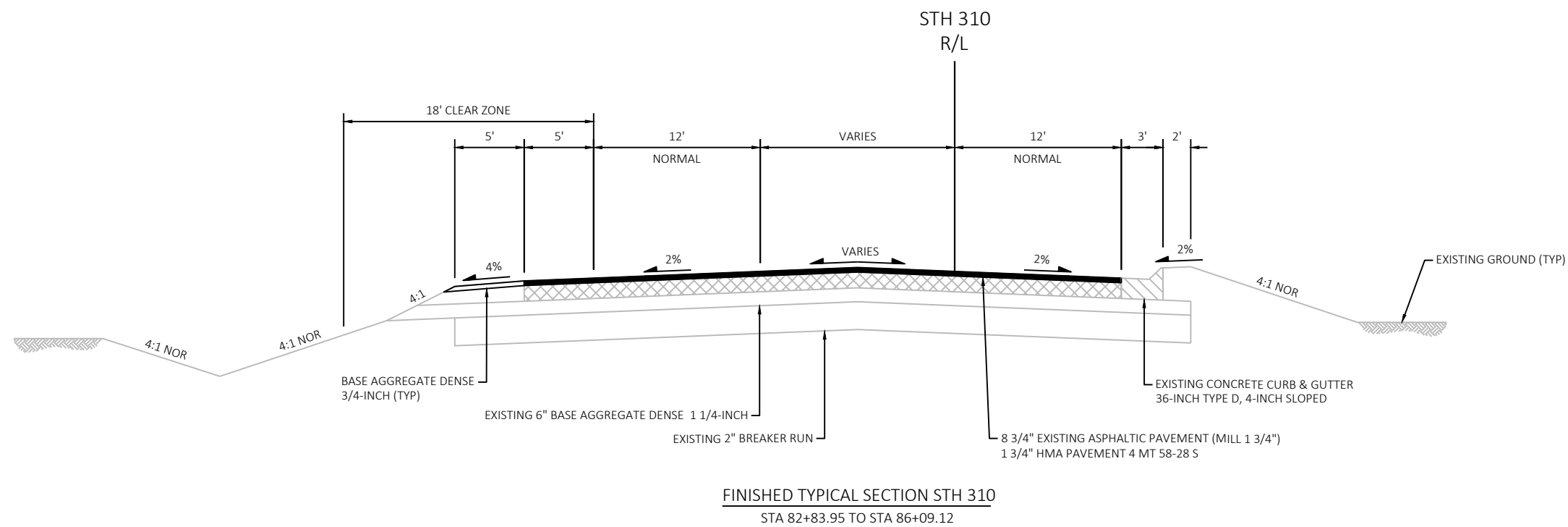
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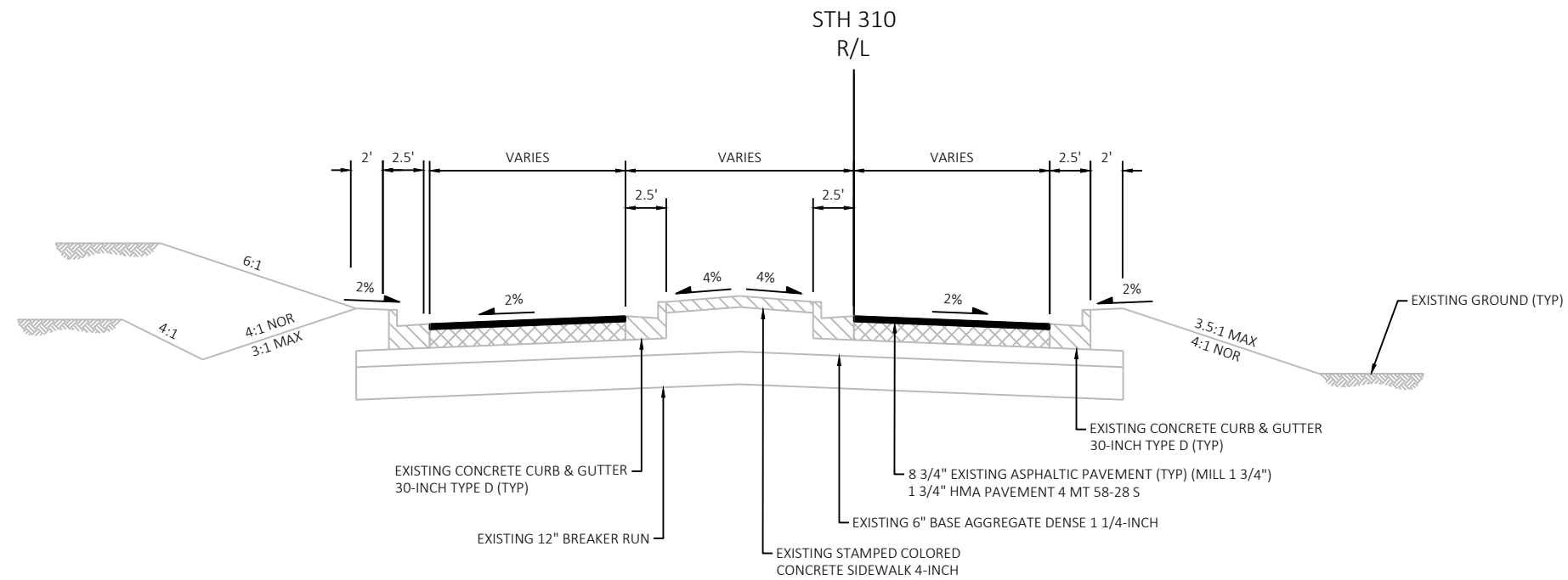
STA 96+35.52 TO STA 160+53.89  
STA 174+45.00 TO STA 208+20.65  
STA 220+79.53 TO STA 405+26.69



FINISHED TYPICAL SECTION STH 310

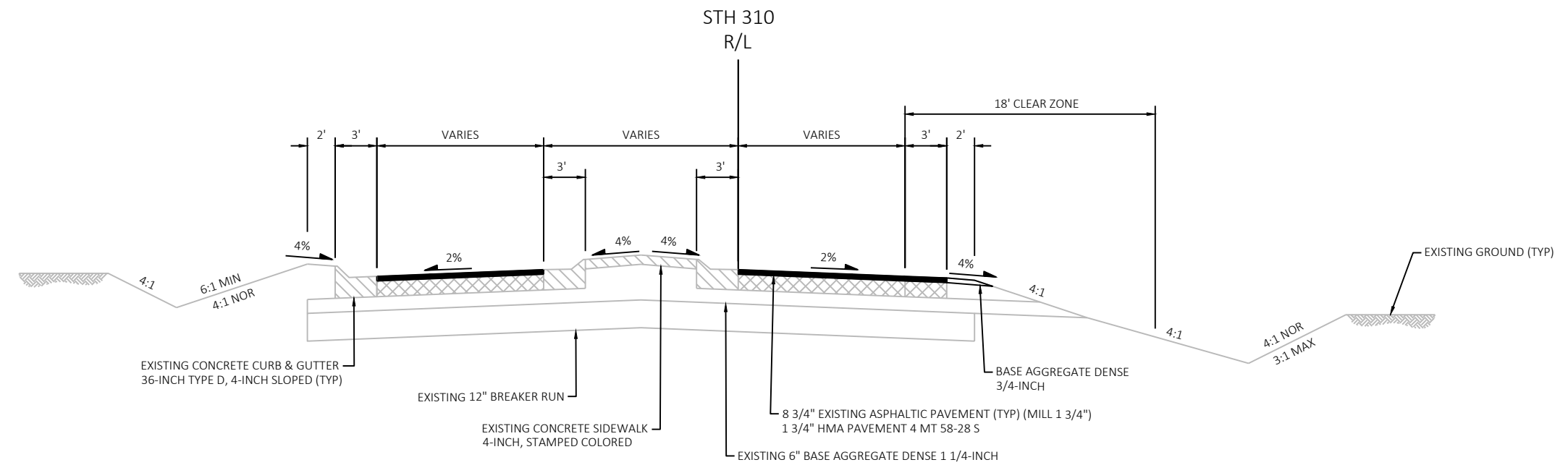
STA 82+00.00 TO STA 82+83.95





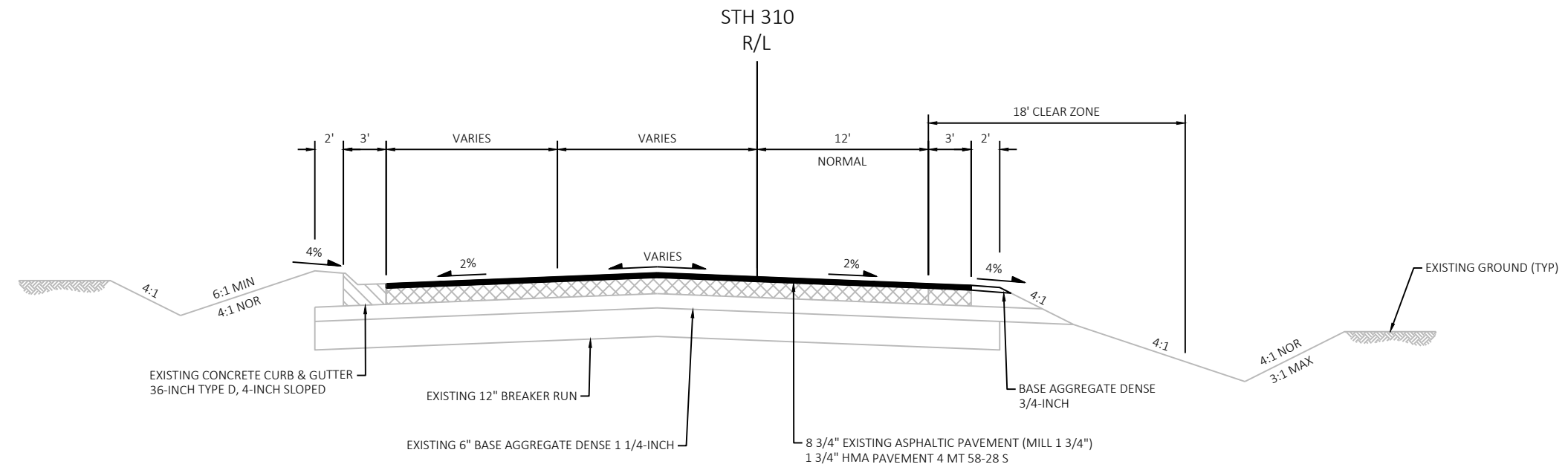
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STA 87+40.29 TO STA 89+10.29  
STA 90+33.81 TO STA 92+13.31

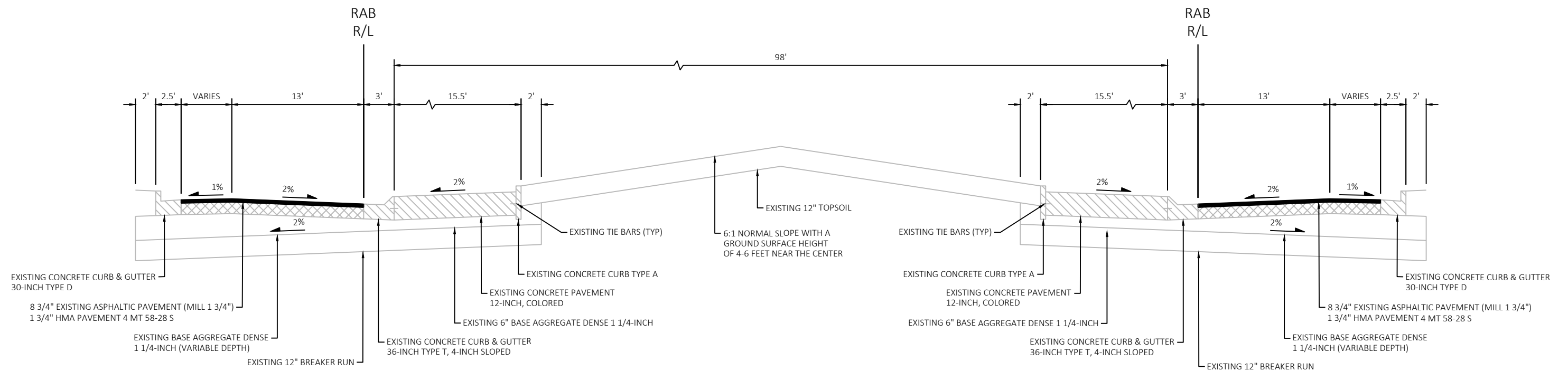


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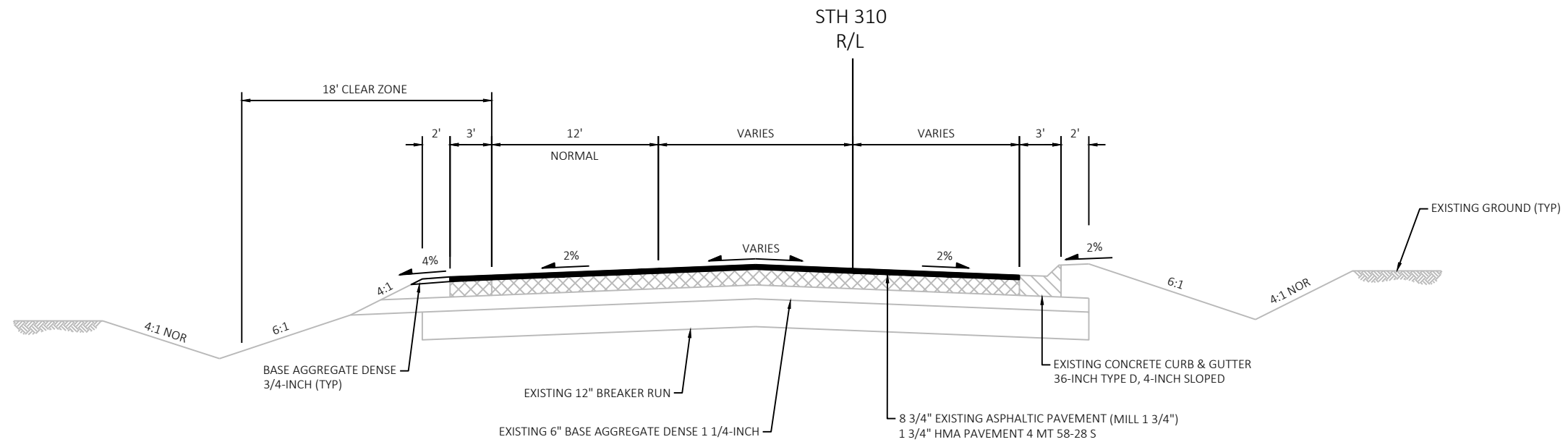
STA 92+13.31 TO STA 93+46.40



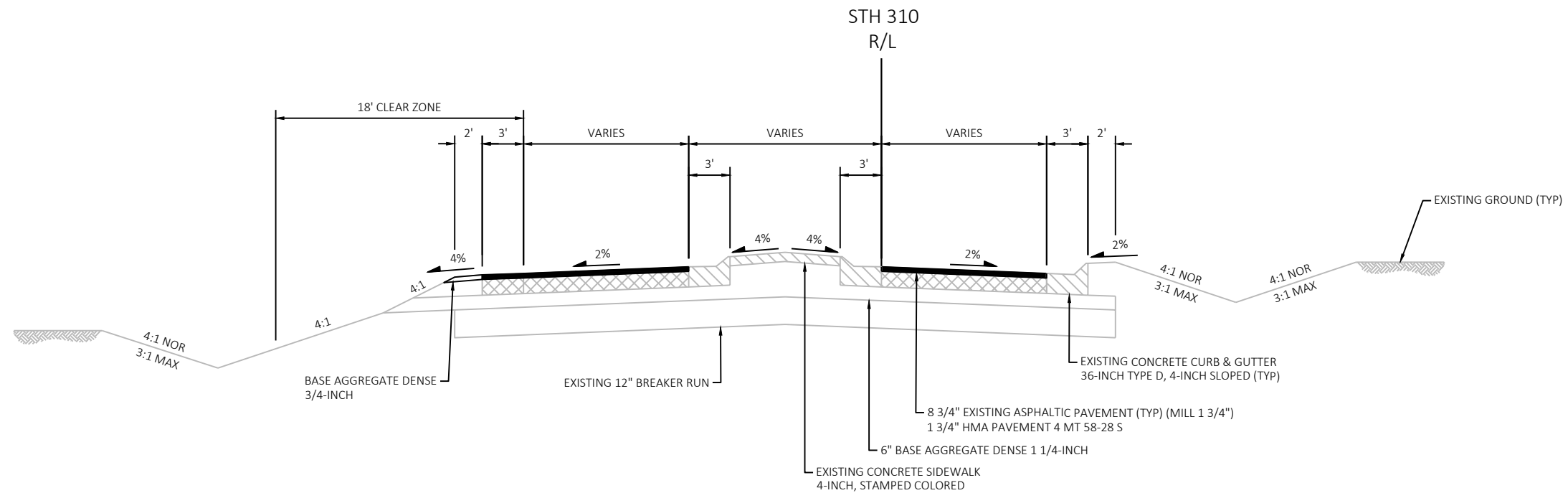
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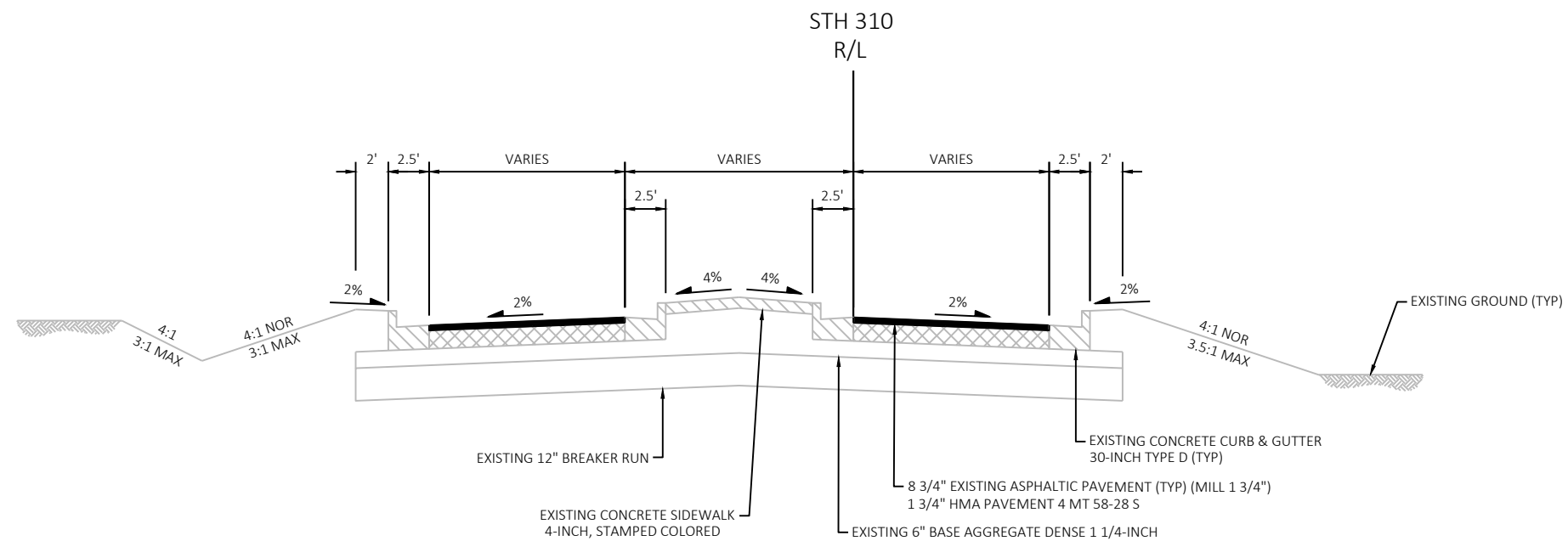
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ROUNDABOUT DETAIL



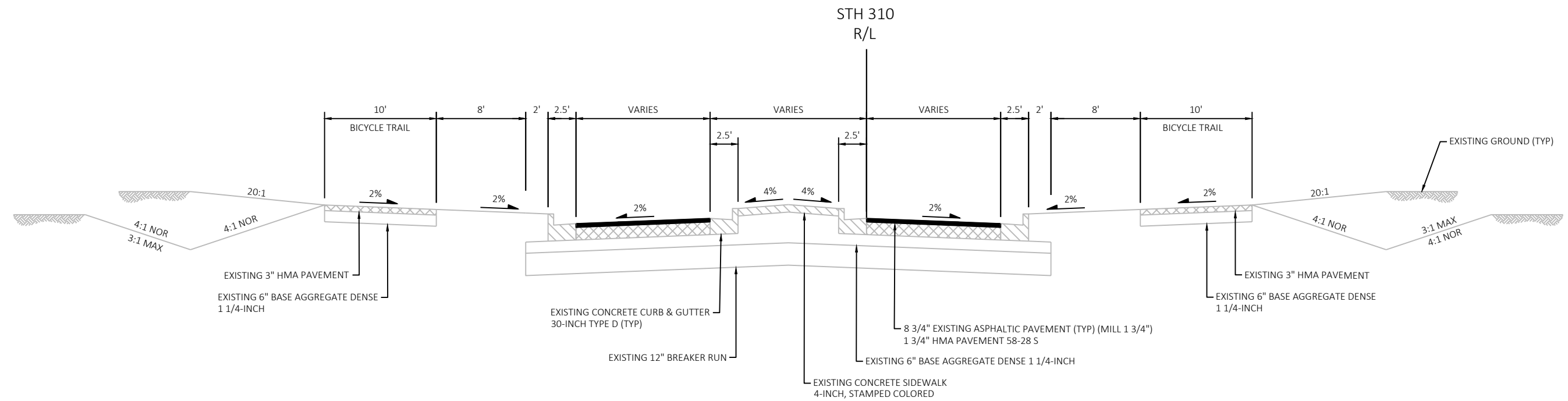
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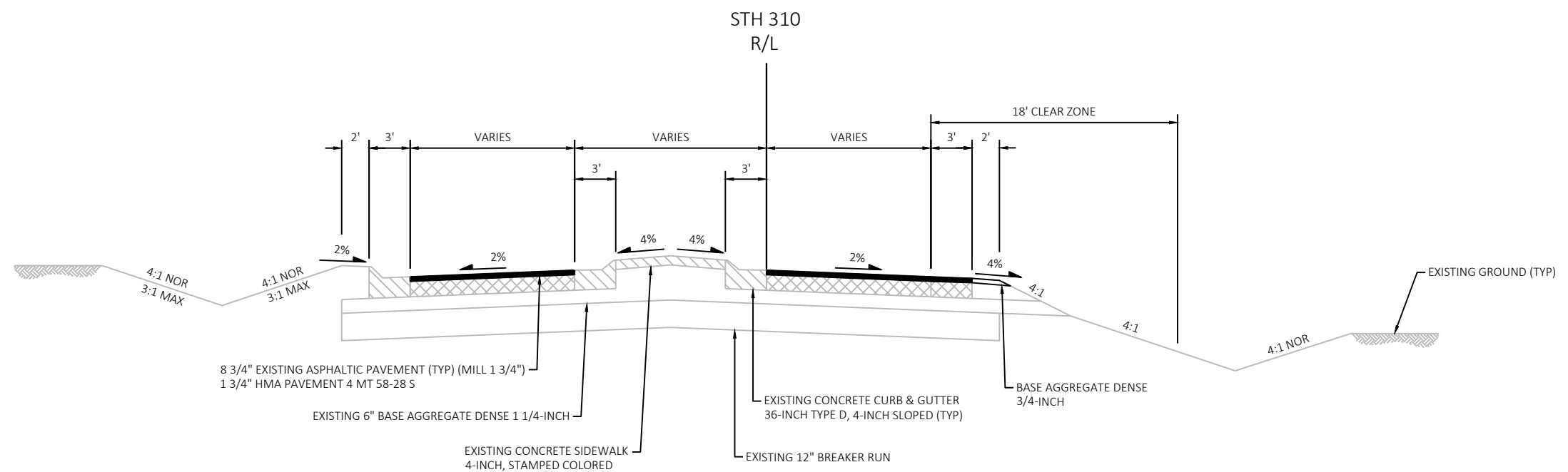
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STA 163+77.92 TO STA 165+05.24



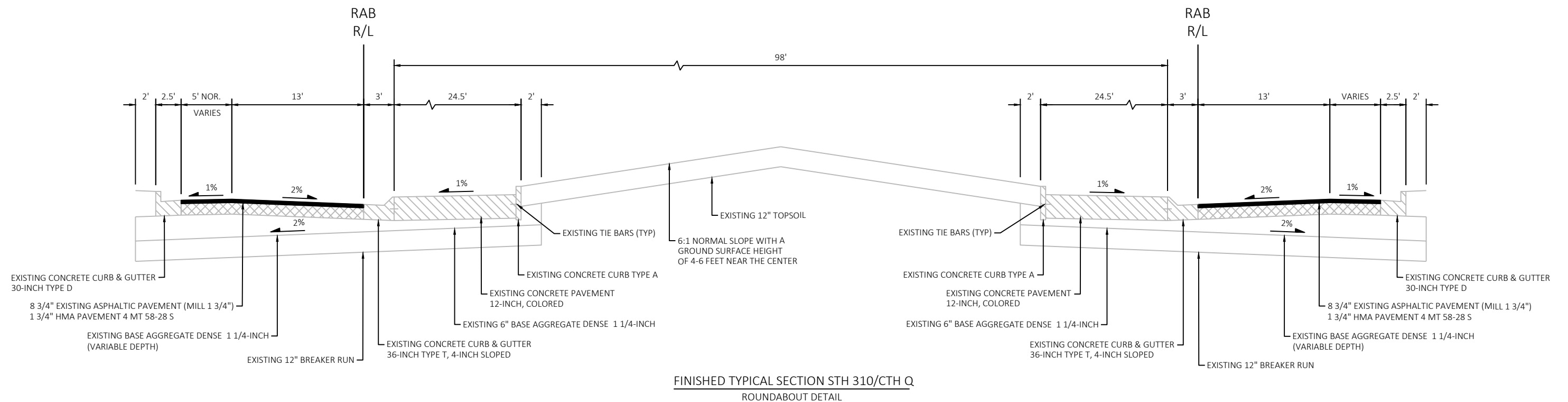
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STA 165+05.24 TO STA 166+52.97

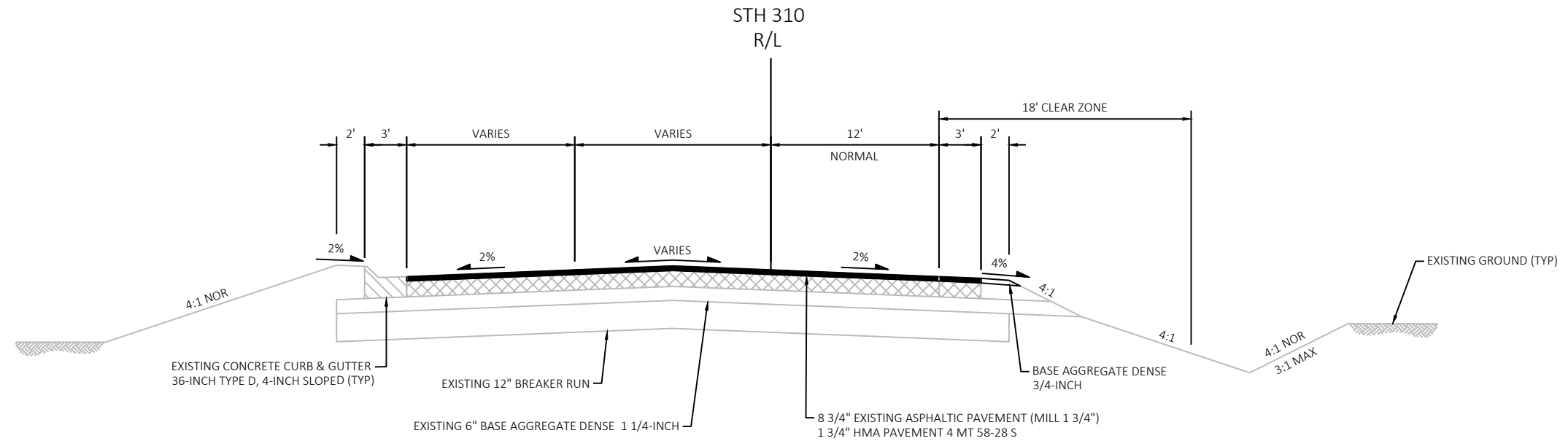
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STA 166+52.97 TO STA 166+85.21  
STA 168+18.32 TO STA 169+97.83

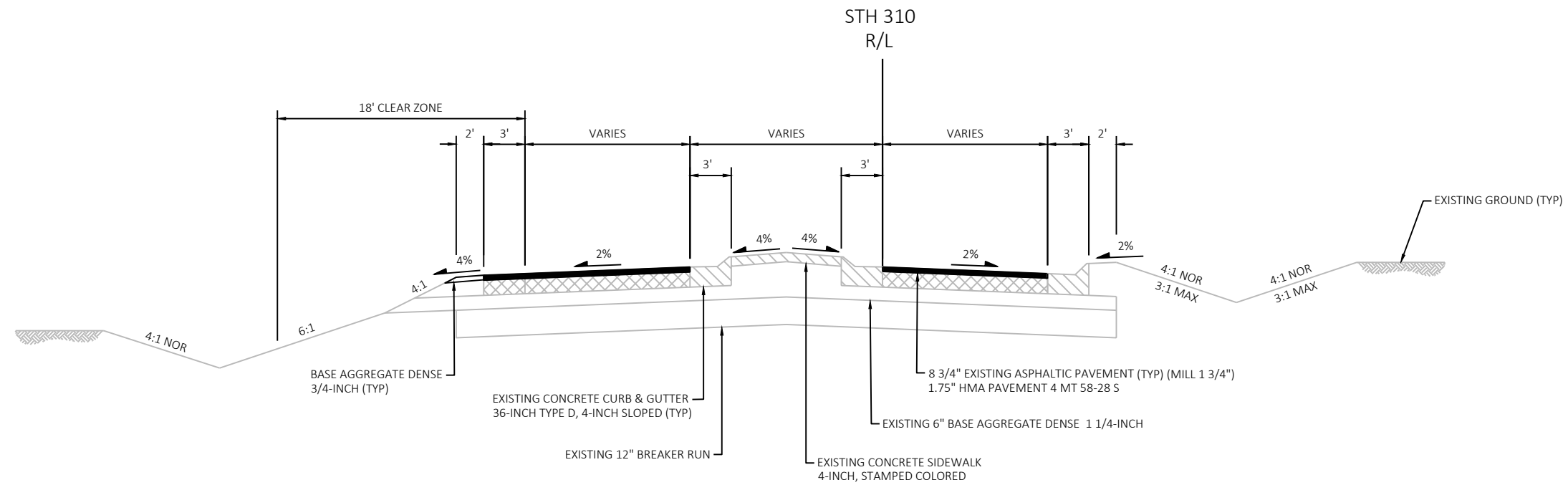
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STA 169+97.83 TO STA 171+17.32

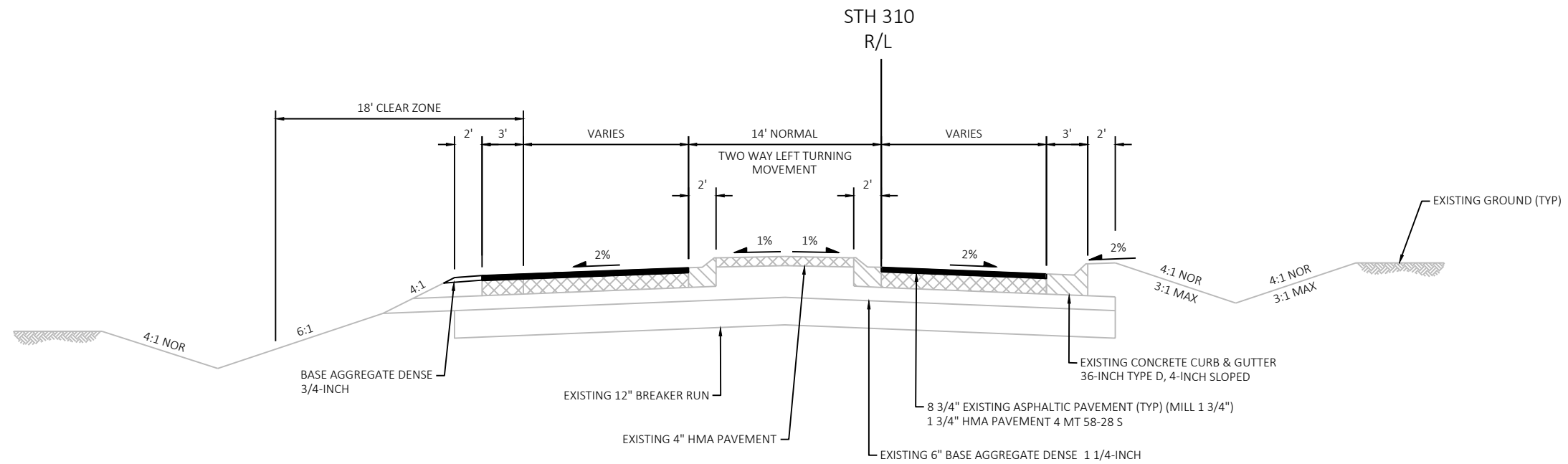




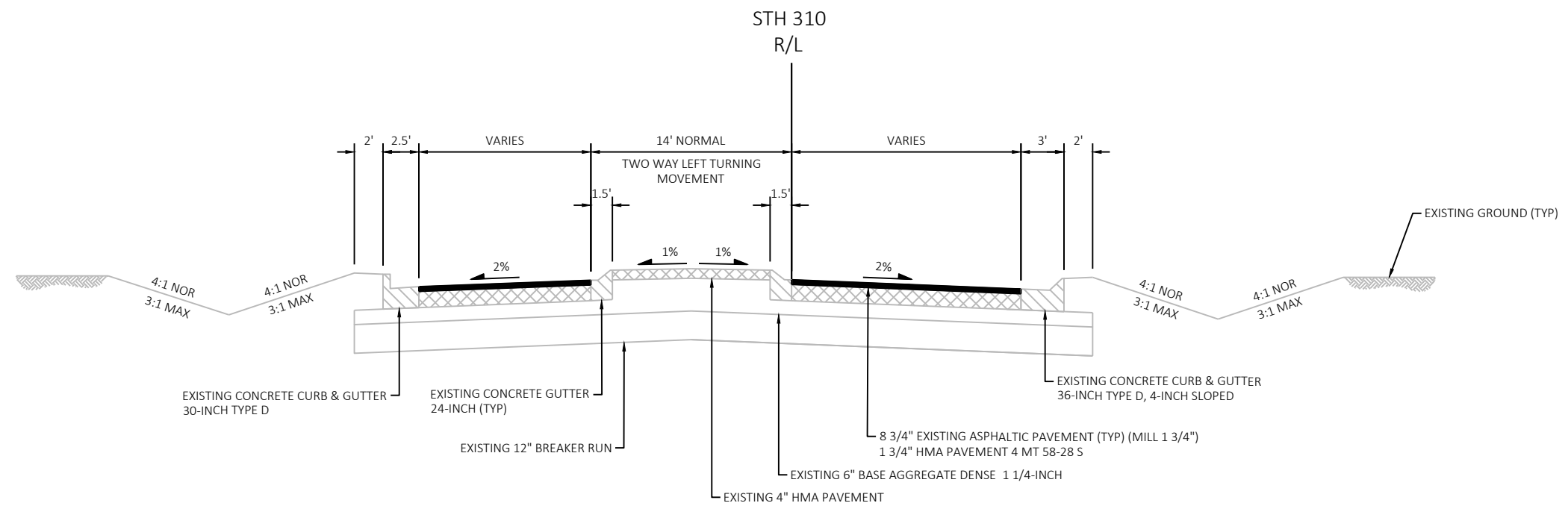
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STA 208+20.65 TO STA 209+05.49



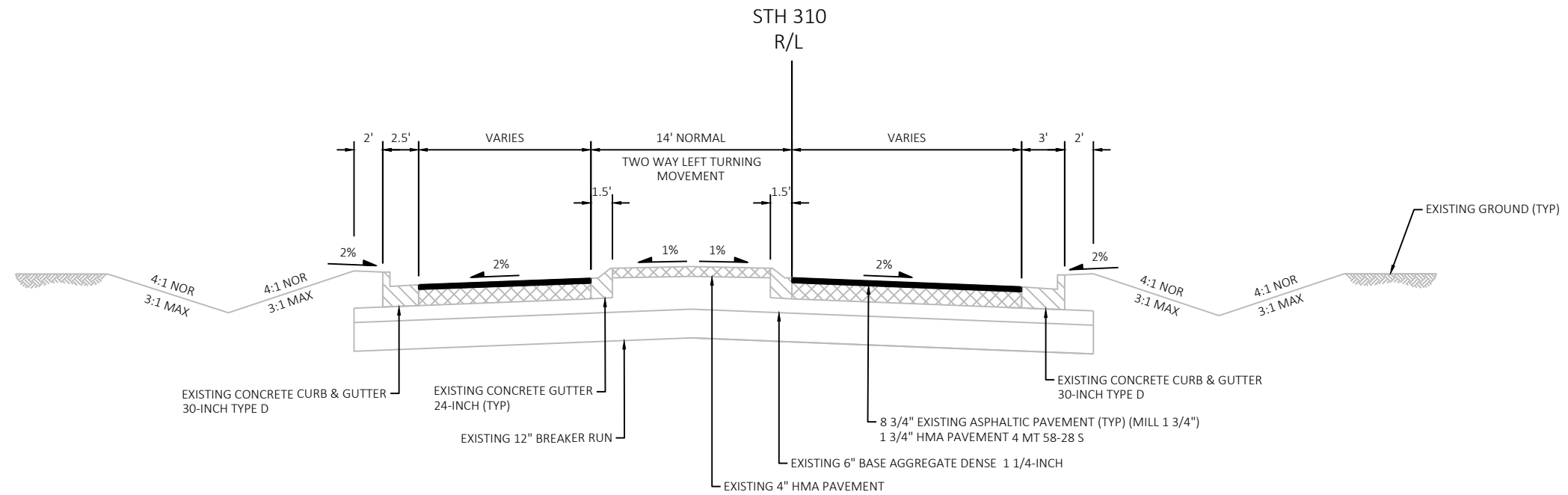
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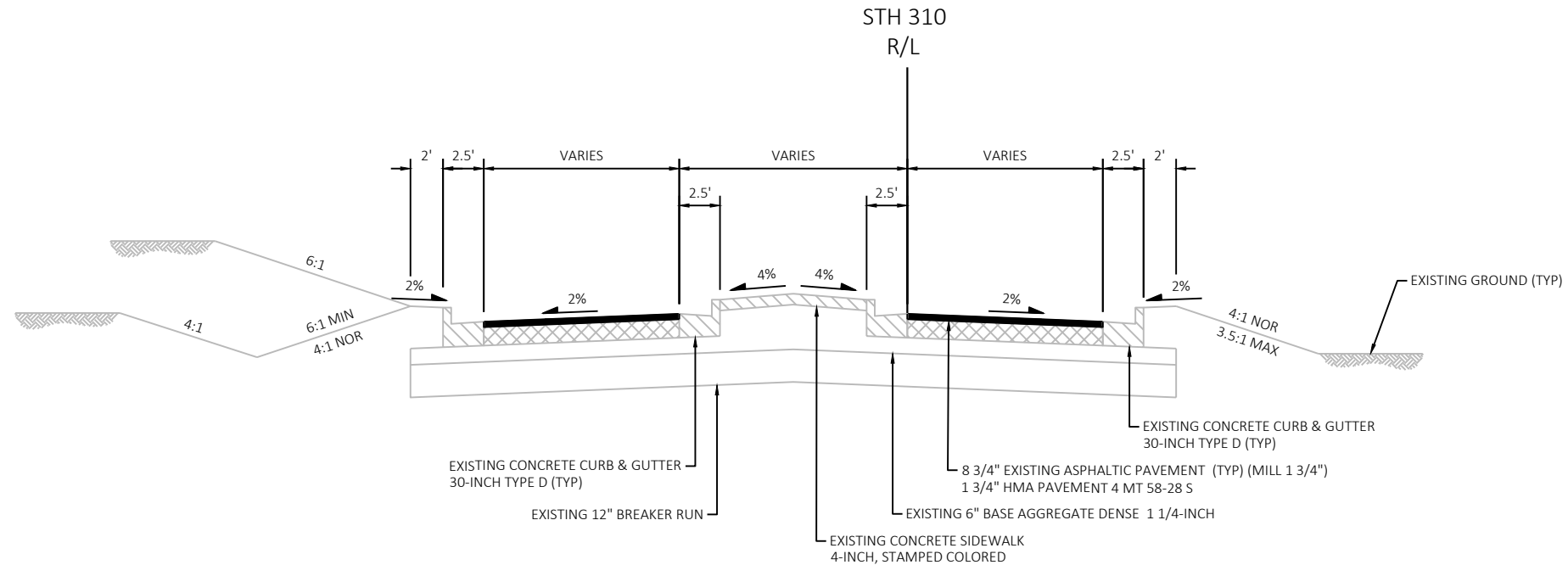
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STA 209+91.03 TO STA 211+30.49



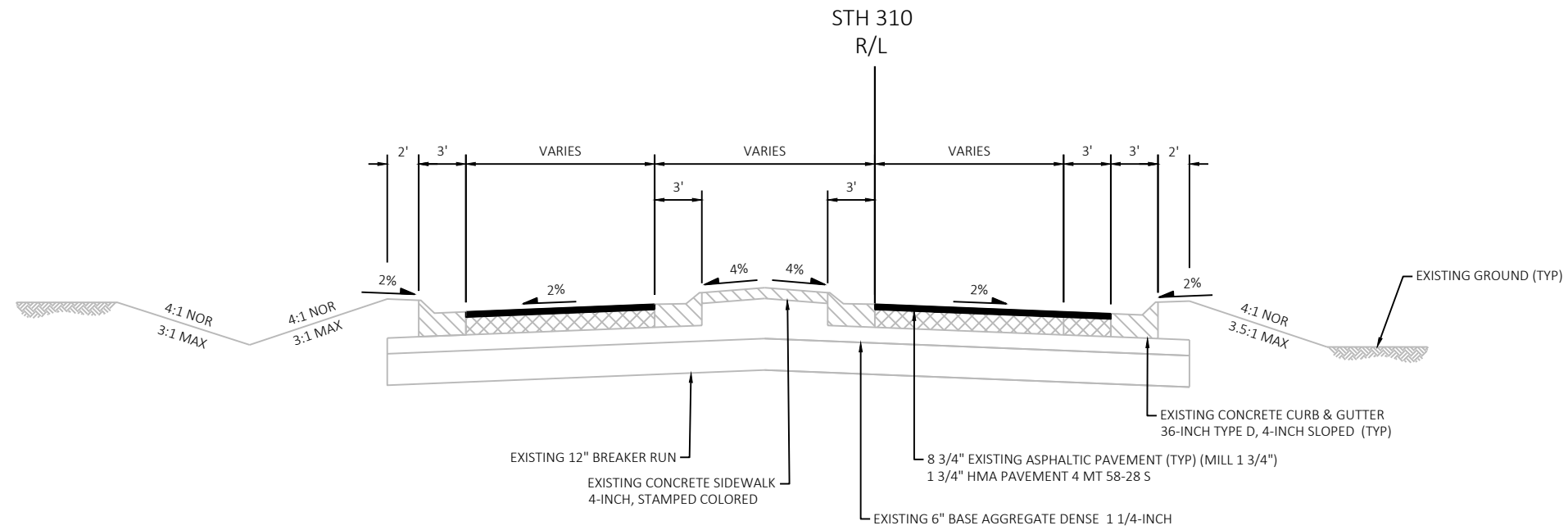
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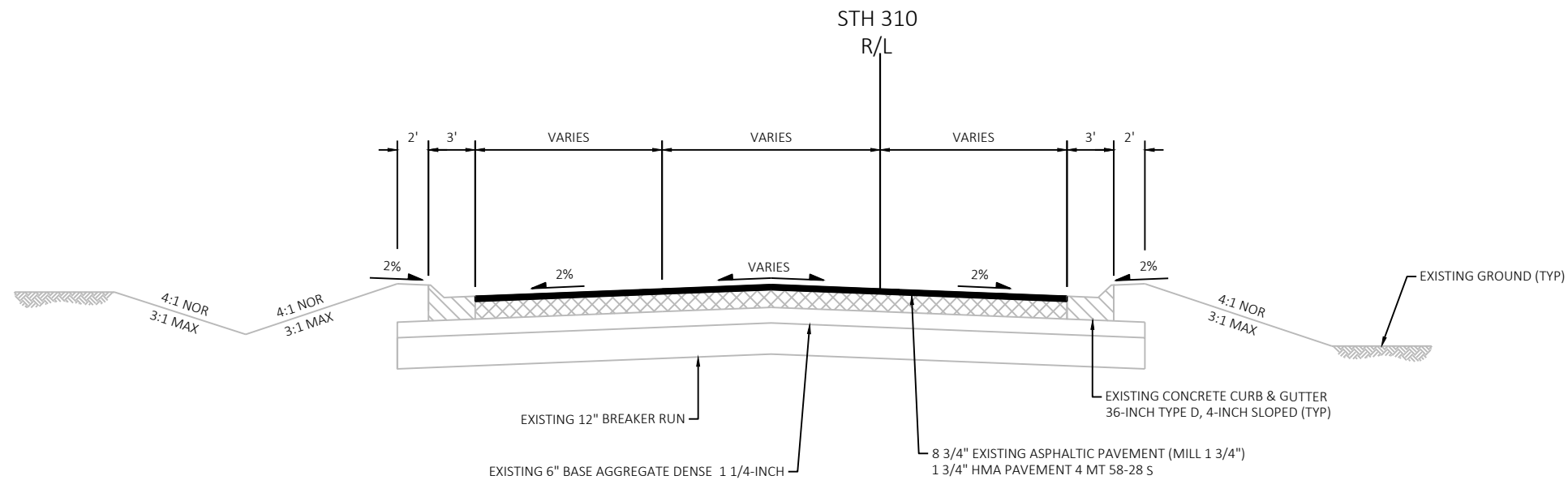
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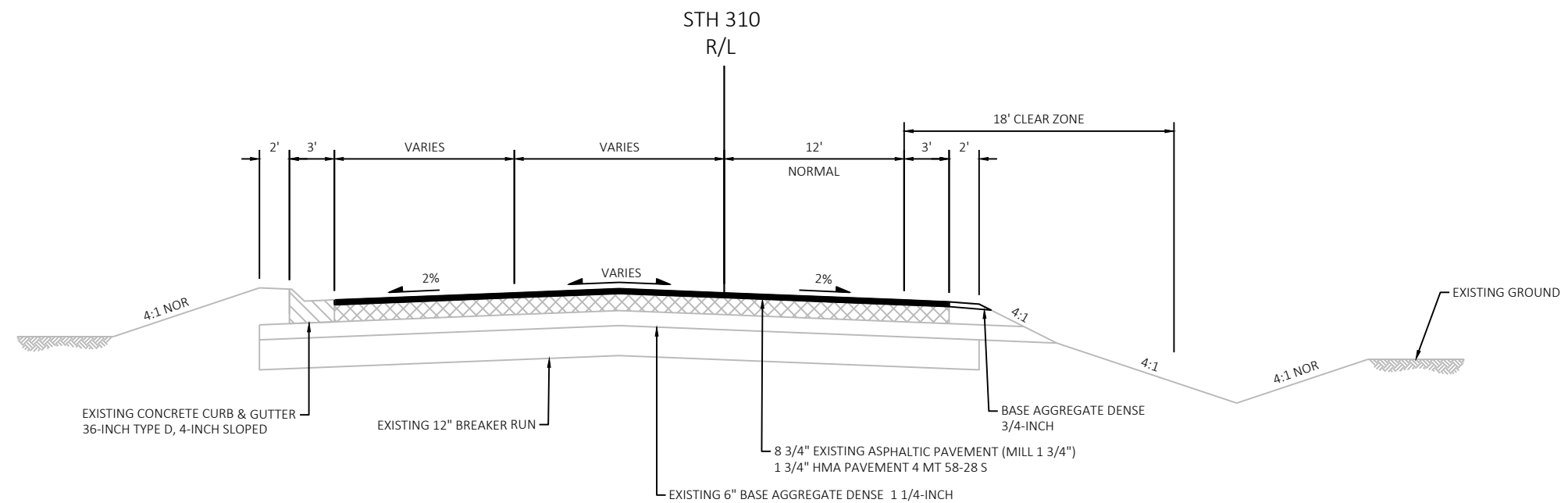
FINISHED TYPICAL SECTION STH 310  
STA 214+01.19 TO STA 214+49.60  
STA 215+82.97 TO STA 217+52.97



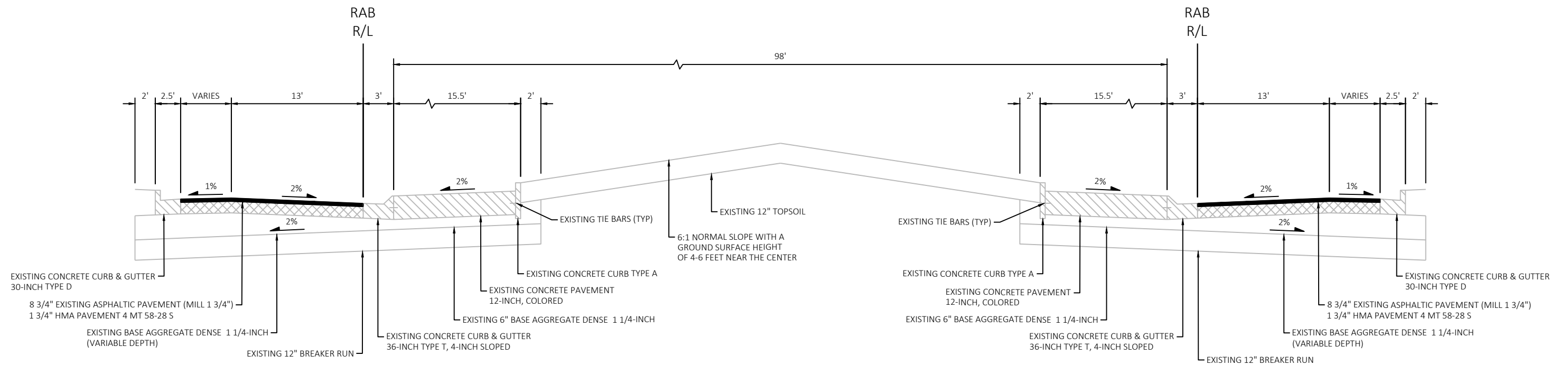
FINISHED TYPICAL SECTION STH 310  
STA 217+52.97 TO STA 218+40.67



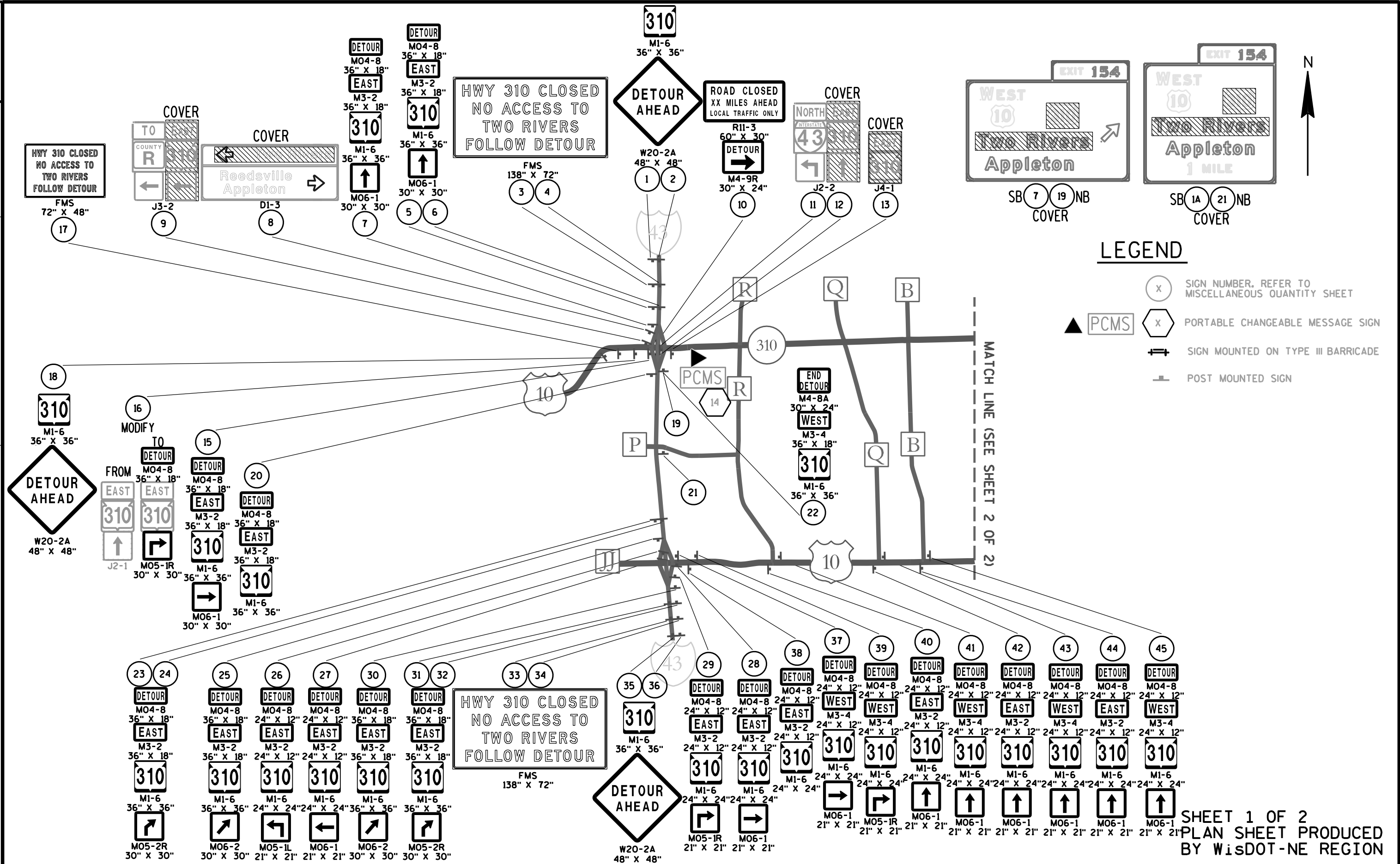
FINISHED TYPICAL SECTION STH 310  
STA 218+40.67 TO STA 219+91.40



FINISHED TYPICAL SECTION STH 310  
STA 219+91.40 TO STA 220+79.53



FINISHED TYPICAL SECTION STH 310/CTH B  
ROUNDABOUT DETAIL





|                                                                                                                                                                         |                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                                      | SIGN NUMBER. REFER TO<br>MISCELLANEOUS QUANTITY SHEET |
|   |                                                       |
|                                                                                      | PORTABLE CHANGEABLE MESSAGE SIGN                      |
|                                                                                      | SIGN MOUNTED ON TYPE III BARRICADE                    |
|                                                                                      | POST MOUNTED SIGN                                     |

**E**

REMOVING ASPHALTIC SURFACE BUTT JOINTS

| CATEGORY | APROXIMATE STATION | INTERSECTION | 204.0115<br>REMOVING ASPHALTIC<br>SURFACE<br>BUTT JOINTS*<br>SY | REMARKS        |
|----------|--------------------|--------------|-----------------------------------------------------------------|----------------|
| 1000     | 91+01              | CTH R        | 6                                                               | NORTH LIMITS   |
|          | 89+34              | CTH R        | 7                                                               | SOUTH LIMITS   |
|          | 166+37             | CTH Q        | 7                                                               | NORTH LIMITS   |
|          | 169+25             | CTH Q        | 8                                                               | SOUTH LIMITS   |
|          | 216+34             | CTH B        | 7                                                               | NORTH LIMITS   |
|          | 214+98             | CTH B        | 8                                                               | SOUTH LIMITS   |
|          | 268+25             | JOHNSTON DR  | 6                                                               | NORTH LIMITS   |
|          | 268+32             | JOHNSTON DR  | 7                                                               | SOUTH LIMITS   |
|          | 294+84             | MIRRO DR     | 7                                                               | SOUTH LIMITS   |
|          | 321+24             | WOODLAND DR  | 7                                                               | SOUTH LIMITS   |
|          | 405+27             | COLUMBUS ST  | 8                                                               | PROJECT LIMITS |

PROJECT 4337-23-71 TOTAL 78  
\* AREA 2' WIDE FROM JOINT EDGE

REMOVING ASPHALTIC SURFACE MILLING

| CATEGORY | STATION | TO | STATION | OFFSET | 204.0120<br>REMOVING<br>ASPHALTIC<br>SURFACE<br>MILLING<br>SY | REMARKS               |
|----------|---------|----|---------|--------|---------------------------------------------------------------|-----------------------|
| 1000     | 82+00   | -  | 96+35   | LT/RT  | 9900                                                          | CTH R RAB, MILL 1.75" |
|          | 96+35   | -  | 160+51  | LT/RT  | 23765                                                         | MILL 2.5"             |
|          | 160+51  | -  | 174+45  | LT/RT  | 9025                                                          | CTH Q RAB, MILL 1.75" |
|          | 174+45  | -  | 208+18  | LT/RT  | 11396                                                         | MILL 2.5"             |
|          | 208+18  | -  | 220+86  | LT/RT  | 9109                                                          | CTH B RAB, MILL 1.75" |
|          | 220+86  | -  | 405+27  | LT/RT  | 65720                                                         | MILL 2.5"             |

PROJECT 4337-23-71 TOTAL 128,915

REMOVING CURB & GUTTER

| CATEGORY | APPROXIMATE STATION | OFFSET | LOCATION  | 204.0150<br>REMOVING<br>CURB & GUTTER<br>LF | REMARKS                          |
|----------|---------------------|--------|-----------|---------------------------------------------|----------------------------------|
| 1000     | 89+87               | LT     | CTH R RAB | 10                                          | INLET RECONSTRUCT                |
|          | 89+95               | LT     | CTH R RAB | 10                                          | INLET RECONSTRUCT                |
|          | 89+55               | RT     | CTH R RAB | 10                                          | INLET RECONSTRUCT                |
|          | 89+66               | RT     | CTH R RAB | 10                                          | INLET RECONSTRUCT                |
|          | 167+10              | LT     | CTH Q RAB | 10                                          | INLET RECONSTRUCT                |
|          | 167+28              | LT     | CTH Q RAB | 10                                          | INLET RECONSTRUCT                |
|          | 167+43              | LT     | CTH Q RAB | 10                                          | INLET RECONSTRUCT                |
|          | 167+58              | LT     | CTH Q RAB | 10                                          | INLET RECONSTRUCT                |
|          | 168+03              | LT     | CTH Q RAB | 20                                          | CENTER CIRCLE INLET RECONSTRUCTS |
|          | 215+17              | LT     | CTH B RAB | 10                                          | INLET RECONSTRUCT                |
|          | 215+33              | LT     | CTH B RAB | 10                                          | INLET RECONSTRUCT                |
|          | 215+39              | LT     | CTH B RAB | 10                                          | INLET RECONSTRUCT                |
|          | 215+71              | LT     | CTH B RAB | 20                                          | CENTER CIRCLE INLET RECONSTRUCTS |
|          | PROJECT             | LT/RT  | STH 310   | 25                                          | UNDISTRIBUTED                    |

PROJECT 4337-23-71 TOTAL 175

REMOVING CONCRETE SIDEWALK

| CATEGORY | APPROXIMATE STATION | OFFSET | LOCATION  | 204.0155<br>REMOVING CONCRETE<br>SIDEWALK<br>SY | REMARKS               |
|----------|---------------------|--------|-----------|-------------------------------------------------|-----------------------|
| 1000     | 89+87               | LT     | CTH R RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 89+95               | LT     | CTH R RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 89+55               | RT     | CTH R RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 89+66               | RT     | CTH R RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 167+28              | LT     | CTH Q RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 167+43              | LT     | CTH Q RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 215+33              | LT     | CTH B RAB | 2                                               | COLORED/STAMPED ISAND |
|          | 215+39              | LT     | CTH B RAB | 2                                               | COLORED/STAMPED ISAND |
|          | PROJECT             | LT/RT  | STH 310   | 4                                               | UNDISTRIBUTED         |

PROJECT 4337-23-71 TOTAL 20

PREPARATION FOUNDATION FOR ASPHALTIC PAVEMENT

| CATEGORY | STATION    | TO | STATION | LOCATION | 211.0100<br>PREPARE FOUNDATION<br>FOR ASPHALTIC<br>PAVING (PROJECT)<br>LS | REMARKS |
|----------|------------|----|---------|----------|---------------------------------------------------------------------------|---------|
| 1000     | 4337-23-71 |    |         | PROJECT  | 1                                                                         |         |

PROJECT 4337-23-71 TOTAL 1

FINISHING ROADWAY (PROJECT) 4337-23-71

| CATEGORY | STATION    | TO | STATION | LOCATION | 213.0100<br>FINISHING ROADWAY<br>(PROJECT)<br>EACH | REMARKS |
|----------|------------|----|---------|----------|----------------------------------------------------|---------|
| 1000     | 4337-23-71 |    |         | PROJECT  | 1                                                  |         |

PROJECT 4337-23-71 TOTAL 1

BASE AGGREGATE DENSE

| CATEGORY | STATION | TO | STATION | OFFSET | LOCATION          | 305.0110<br>BASE AGGREGATE<br>DENSE<br>3/4-INCH<br>TON | REMARKS     |
|----------|---------|----|---------|--------|-------------------|--------------------------------------------------------|-------------|
| 1000     | 82+00   | -  | 96+35   | LT/RT  | STH 310/CTH R RAB | 101                                                    | SHOULDERING |
|          | 96+35   | -  | 160+51  | LT/RT  | STH 310           | 330                                                    | SHOULDERING |
|          | 160+51  | -  | 174+45  | LT/RT  | STH 310/CTH Q RAB | 64                                                     | SHOULDERING |
|          | 174+45  | -  | 208+18  | LT/RT  | STH 310           | 171                                                    | SHOULDERING |
|          | 208+18  | -  | 220+86  | LT/RT  | STH 310/CTH B RAB | 63                                                     | SHOULDERING |
|          | 220+86  | -  | 405+27  | LT/RT  | STH 310           | 935                                                    | SHOULDERING |

PROJECT 4337-23-71 TOTAL 1,665

\* AVERAGE DEPTH COMPUTED IS 2-INCHES

DRILLED TIE BARS

| CATEGORY | APPROXIMATE STATION | OFFSET | LOCATION  | 416.0610<br>DRILLED<br>TIE BARS<br>EACH | REMARKS       |
|----------|---------------------|--------|-----------|-----------------------------------------|---------------|
| 1000     | 89+87               | LT     | CTH R RAB | 4                                       | CURB & GUTTER |
|          | 89+95               | LT     | CTH R RAB | 4                                       | CURB & GUTTER |
|          | 89+55               | RT     | CTH R RAB | 4                                       | CURB & GUTTER |
|          | 89+66               | RT     | CTH R RAB | 4                                       | CURB & GUTTER |
|          | 167+10              | LT     | CTH Q RAB | 4                                       | CURB & GUTTER |
|          | 167+28              | LT     | CTH Q RAB | 4                                       | CURB & GUTTER |
|          | 167+43              | LT     | CTH Q RAB | 4                                       | CURB & GUTTER |
|          | 167+58              | LT     | CTH Q RAB | 4                                       | CURB & GUTTER |
|          | 168+03              | LT     | CTH Q RAB | 4                                       | CURB & GUTTER |
|          | 215+17              | LT     | CTH B RAB | 4                                       | CURB & GUTTER |
|          | 215+33              | LT     | CTH B RAB | 4                                       | CURB & GUTTER |
|          | 215+39              | LT     | CTH B RAB | 4                                       | CURB & GUTTER |
|          | 215+71              | LT     | CTH B RAB | 4                                       | CURB & GUTTER |
|          | PROJECT             | LT/RT  | STH 310   | 8                                       | UNDISTRIBUTED |

PROJECT 4337-23-71 TOTAL 60

TACK COAT

| CATEGORY | STATION | TO | STATION | LOCATION          | 455.0605<br>TACK<br>COAT<br>GAL | REMARKS |
|----------|---------|----|---------|-------------------|---------------------------------|---------|
| 1000     | 82+00   | -  | 96+35   | STH 310/CTH R RAB | 693                             | 1 COAT  |
|          | 96+35   | -  | 160+51  | STH 310           | 3327                            | 2 COATS |
|          | 160+51  | -  | 174+45  | STH 310/CTH Q RAB | 632                             | 1 COAT  |
|          | 174+45  | -  | 208+18  | STH 310           | 1595                            | 2 COATS |
|          | 208+18  | -  | 220+86  | STH 310/CTH B RAB | 638                             | 1 COAT  |
|          | 220+86  | -  | 405+27  | STH 310           | 9201                            | 2 COATS |

PROJECT 4337-23-71 TOTAL 16,086

CONCRETE CURB & GUTTER

| CATEGORY | APPROXIMATE STATION | OFFSET | LOCATION  | 601.0411<br>CONCRETE CURB & GUTTER<br>30-INCH TYPE D<br>LF | 601.0580<br>CONCRETE CURB & GUTTER<br>4-INCH SLOPED 36-INCH TYPE R<br>LF | REMARKS                          |
|----------|---------------------|--------|-----------|------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------|
| 1000     | 89+87               | LT     | CTH R RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 89+95               | LT     | CTH R RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 89+55               | RT     | CTH R RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 89+66               | RT     | CTH R RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 167+10              | LT     | CTH Q RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 167+28              | LT     | CTH Q RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 167+43              | LT     | CTH Q RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 167+58              | LT     | CTH Q RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 168+03              | LT     | CTH Q RAB | -                                                          | 20                                                                       | CENTER CIRCLE INLET RECONSTRUCTS |
|          | 215+17              | LT     | CTH B RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 215+33              | LT     | CTH B RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 215+39              | LT     | CTH B RAB | 10                                                         | -                                                                        | INLET RECONSTRUCT                |
|          | 215+71              | LT     | CTH B RAB | -                                                          | 20                                                                       | CENTER CIRCLE INLET RECONSTRUCTS |
|          | PROJECT             | LT/RT  | STH 310   | 25                                                         | -                                                                        | UNDISTRIBUTED                    |

PROJECT 4337-23-71 TOTAL 135 40

HMA PAVEMENT

| CATEGORY | STATION | TO | STATION | LOCATION          | 460.6224<br>HMA PAVEMENT<br>4 MT 58-28 S<br>TON | SPV.0180.01<br>COLD-IN-PLACE<br>RECYCLING (CIR)<br>ASPHALT PAVEMENT<br>SY | REMARKS                       |
|----------|---------|----|---------|-------------------|-------------------------------------------------|---------------------------------------------------------------------------|-------------------------------|
| 1000     | 82+00   | -  | 96+35   | STH 310/CTH R RAB | 1052                                            | -                                                                         | MILL 1.75", PAVE 1.75"        |
|          | 96+35   | -  | 160+51  | STH 310           | 3505                                            | 23765                                                                     | MILL 2.5", CIR 4", PAVE 2.75" |
|          | 160+51  | -  | 174+45  | STH 310/CTH Q RAB | 959                                             | -                                                                         | MILL 1.75", PAVE 1.75"        |
|          | 174+45  | -  | 208+18  | STH 310           | 1681                                            | 11396                                                                     | MILL 2.5", CIR 4", PAVE 2.75" |
|          | 208+18  | -  | 220+86  | STH 310/CTH B RAB | 968                                             | -                                                                         | MILL 1.75", PAVE 1.75"        |
|          | 220+86  | -  | 405+27  | STH 310           | 9694                                            | 65720                                                                     | MILL 2.5", CIR 4", PAVE 2.75" |

PROJECT 4337-23-71 TOTAL 17,859 100,881

RUMBLE STRIPS

| CATEGORY | STATION | TO | STATION | LOCATION | 465.0475<br>ASPHALTIC CENTERLINE<br>RUMBLE STRIPS<br>2-LANE RURAL<br>LF | REMARKS |
|----------|---------|----|---------|----------|-------------------------------------------------------------------------|---------|
| 1000     | 96+35   | -  | 160+51  | STH 310  | 5,515                                                                   |         |
|          | 174+45  | -  | 208+18  | STH 310  | 3,166                                                                   |         |
|          | 220+86  | -  | 405+27  | STH 310  | 16,888                                                                  |         |

PROJECT 4337-23-71 TOTAL 25,569

CONCRETE SIDEWALK/TRUCK APRON

| CATEGORY                 | APPROXIMATE STATION | OFFSET | LOCATION  | 405.0100<br>COLORING CONCRETE<br>WISDOT RED<br>CY | 405.1000<br>STAMPING COLORED<br>CONCRETE<br>CY | 416.0512<br>CONCRETE TRUCK<br>APRON 12-INCH<br>SY | 602.0410<br>CONCRETE SIDEWALK<br>5-INCH<br>SF | REMARKS               |
|--------------------------|---------------------|--------|-----------|---------------------------------------------------|------------------------------------------------|---------------------------------------------------|-----------------------------------------------|-----------------------|
| 1000                     | 89+87               | LT     | CTH R RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 89+95               | LT     | CTH R RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 89+55               | RT     | CTH R RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 89+66               | RT     | CTH R RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 167+28              | LT     | CTH Q RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 167+43              | LT     | CTH Q RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 167+50              | LT/RT  | CTH Q RAB | 107                                               | -                                              | 321                                               | -                                             | TRUCK APRONS          |
|                          | 215+33              | LT     | CTH B RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
|                          | 215+39              | LT     | CTH B RAB | 0.3                                               | 0.3                                            | -                                                 | 20                                            | COLORED/STAMPED ISAND |
| PROJECT 4337-23-71 TOTAL |                     |        |           | 110                                               | 3                                              | 321                                               | 180                                           | UNDISTRUBUTED         |

CULVERTS

| CATEGORY                 | STATION | OFFSET | LOCATION  | 203.0100<br>REMOVING SMALL<br>PIPE CULVERTS<br>EACH | 520.8700<br>CLEANING<br>CULVERT PIPES<br>EACH | 520.9700.S<br>CULVERT PIPE<br>LINERS (SIZE) 01. 48-INCH<br>LF | 525.0324<br>APRON ENDWALLS FOR<br>CULVERT PIPE ALUMINUM<br>24-INCH<br>EACH | REMARKS |
|--------------------------|---------|--------|-----------|-----------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------|---------|
| 1000                     | 88+47   | RT     | CTH R RAB | -                                                   | 1                                             | -                                                             | -                                                                          |         |
|                          | 90+20   | RT     | CTH R RAB | -                                                   | 1                                             | -                                                             | -                                                                          |         |
|                          | 93+35   | RT     | CTH R RAB | -                                                   | 1                                             | -                                                             | -                                                                          |         |
|                          | 171+11  | RT     | CTH Q RAB | 1                                                   | -                                             | -                                                             | 1                                                                          |         |
|                          | 335+88  | LT/RT  | STH 310   | -                                                   | 1                                             | 64                                                            | -                                                                          |         |
| PROJECT 4337-23-71 TOTAL |         |        |           | 1                                                   | 4                                             | 64                                                            | 1                                                                          |         |

RECONSTRUCTING INLETS

| CATEGORY                 | APPROXIMATE STATION | OFFSET | LOCATION  | 611.0430<br>RECONSTRUCTING<br>INLETS<br>EACH | REMARKS                          |
|--------------------------|---------------------|--------|-----------|----------------------------------------------|----------------------------------|
| 1000                     | 89+87               | LT     | CTH R RAB | 1                                            |                                  |
|                          | 89+95               | LT     | CTH R RAB | 1                                            |                                  |
|                          | 89+55               | RT     | CTH R RAB | 1                                            |                                  |
|                          | 89+66               | RT     | CTH R RAB | 1                                            |                                  |
|                          | 167+10              | LT     | CTH Q RAB | 1                                            |                                  |
|                          | 167+28              | LT     | CTH Q RAB | 1                                            |                                  |
|                          | 167+43              | LT     | CTH Q RAB | 1                                            |                                  |
|                          | 167+58              | LT     | CTH Q RAB | 1                                            |                                  |
|                          | 168+03              | LT     | CTH Q RAB | 2                                            | CENTER CIRCLE INLET RECONSTRUCTS |
|                          | 215+17              | LT     | CTH B RAB | 1                                            |                                  |
|                          | 215+33              | LT     | CTH B RAB | 1                                            |                                  |
|                          | 215+39              | LT     | CTH B RAB | 1                                            |                                  |
|                          | 215+71              | LT     | CTH B RAB | 2                                            | CENTER CIRCLE INLET RECONSTRUCTS |
| PROJECT 4337-23-71 TOTAL |                     |        |           | 15                                           |                                  |

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 4337-23-71

| CATEGORY                 | LOCATION | 618.0100<br>EACH | REMARKS |
|--------------------------|----------|------------------|---------|
| 1000                     | PROJECT  | 1                |         |
| PROJECT 4337-23-71 TOTAL |          | 1                |         |

MOBILIZATION

| CATEGORY                 | STATION TO STATION | LOCATION | 619.1000<br>MOBILIZATION<br>EACH | REMARKS |
|--------------------------|--------------------|----------|----------------------------------|---------|
| 1000                     | 4337-23-71         | PROJECT  | 1                                |         |
| PROJECT 4337-23-71 TOTAL |                    |          | 1                                |         |

WATER

| CATEGORY                 | STATION TO STATION | LOCATION | 624.0100<br>WATER<br>MGAL | REMARKS      |
|--------------------------|--------------------|----------|---------------------------|--------------|
| 1000                     | 4337-23-71         | PROJECT  | 5                         | DUST CONTROL |
|                          | 4337-23-71         | PROJECT  | 17                        | COMPACTION   |
| PROJECT 4337-23-71 TOTAL |                    |          | 22                        |              |

TRAFFIC CONTROL PCMS

|                          |      | 643.1050<br>TRAFFIC CONTROL<br>SIGNS PCMS |      | REMARKS |
|--------------------------|------|-------------------------------------------|------|---------|
| STATION                  | DAYS | EACH                                      | DAYS |         |
| PROJECT                  | 7    | 8                                         | 56   |         |
| PROJECT 4337-23-71 TOTAL |      |                                           | 56   |         |

TRAFFIC CONTROL SUMMARY

|                          |      | 643.0300<br>TRAFFIC CONTROL<br>DRUMS |       | 643.0420<br>TRAFFIC CONTROL<br>BARRICADES<br>TYPE III |       | 643.0715<br>TRAFFIC CONTROL<br>WARNING LIGHTS<br>TYPE C |       | 643.0900<br>TRAFFIC CONTROL<br>SIGNS |       | REMARKS |
|--------------------------|------|--------------------------------------|-------|-------------------------------------------------------|-------|---------------------------------------------------------|-------|--------------------------------------|-------|---------|
| STATION                  | DAYS | EACH                                 | DAYS  | EACH                                                  | DAYS  | EACH                                                    | DAYS  | EACH                                 | DAYS  |         |
| PROJECT                  | 75   | 40                                   | 3,000 | 75                                                    | 5,625 | 75                                                      | 5,625 | 75                                   | 5,625 |         |
| PROJECT 4337-23-71 TOTAL |      |                                      | 3,000 |                                                       | 5,625 |                                                         | 5,625 |                                      | 5,625 |         |

EROSION CONTROL

| CATEGORY                 | APROXIMATE<br>STATION | OFFSET | 628.7010<br>INLET PROTECTION<br>TYPE B<br>EACH | 628.7015<br>INLET PROTECTION<br>TYPE C<br>EACH | REMARKS   |
|--------------------------|-----------------------|--------|------------------------------------------------|------------------------------------------------|-----------|
| 1000                     | 88+28                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 88+30                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 89+87                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 89+95                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 89+55                 | RT     | -                                              | 1                                              | CTH R RAB |
|                          | 89+66                 | RT     | -                                              | 1                                              | CTH R RAB |
|                          | 90+25                 | LT     | 1                                              | -                                              | CTH R RAB |
|                          | 90+27                 | LT     | 1                                              | -                                              | CTH R RAB |
|                          | 93+41                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 93+42                 | LT     | -                                              | 1                                              | CTH R RAB |
|                          | 166+13                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 166+21                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 167+10                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 167+28                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 167+43                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 167+58                | LT     | -                                              | 1                                              | CTH Q RAB |
|                          | 168+17                | RT     | -                                              | 1                                              | CTH Q RAB |
|                          | 168+18                | RT     | -                                              | 1                                              | CTH Q RAB |
|                          | 168+01                | LT     | 1                                              | -                                              | CTH Q RAB |
|                          | 168+03                | LT     | 1                                              | -                                              | CTH Q RAB |
|                          | 171+15                | LT     | -                                              | 2                                              | CTH Q RAB |
|                          | 213+54                | LT     | -                                              | 1                                              | CTH B RAB |
|                          | 213+55                | LT     | 1                                              | -                                              | CTH B RAB |
|                          | 213+56                | LT     | 1                                              | -                                              | CTH B RAB |
|                          | 214+98                | RT     | -                                              | 1                                              | CTH B RAB |
|                          | 215+06                | RT     | -                                              | 1                                              | CTH B RAB |
|                          | 215+17                | LT     | -                                              | 1                                              | CTH B RAB |
|                          | 215+33                | LT     | -                                              | 1                                              | CTH B RAB |
|                          | 215+39                | LT     | -                                              | 1                                              | CTH B RAB |
|                          | 215+70                | LT     | 1                                              | -                                              | CTH B RAB |
|                          | 215+72                | LT     | 1                                              | -                                              | CTH B RAB |
|                          | 218+39                | LT     | -                                              | 2                                              | CTH B RAB |
| PROJECT 4337-23-71 TOTAL |                       |        | 8                                              | 26                                             |           |

PAVEMENT MARKING EPOXY 4-INCH

| CATEGORY                 | STATION TO STATION | LOCATION | 646.1020<br>MARKING LINE<br>EPOXY 4-INCH |             | 649.0120<br>TEMPORARY MARKING<br>LINE EPOXY<br>4-INCH<br><br>LF | REMARKS |
|--------------------------|--------------------|----------|------------------------------------------|-------------|-----------------------------------------------------------------|---------|
|                          |                    |          | YELLOW<br>LF                             | WHITE<br>LF |                                                                 |         |
| 1000                     | PROJECT            | STH 310  | 38,515                                   | 71,938      | 63,500                                                          |         |
| SUB-TOTALS               |                    |          | 38,515                                   | 71,938      |                                                                 |         |
| PROJECT 4337-23-71 TOTAL |                    |          | 110,453                                  |             | 63,500                                                          |         |

PAVEMENT MARKING EPOXY 8-INCH

| CATEGORY                 | STATION TO STATION | LOCATION | 646.3020<br>MARKING LINE<br>EPOXY 8-INCH<br><br>SOLID<br>WHITE<br>LF | REMARKS |
|--------------------------|--------------------|----------|----------------------------------------------------------------------|---------|
|                          |                    |          | LF                                                                   |         |
| 1000                     | PROJECT            | STH 310  | 1,232                                                                |         |
| SUB-TOTALS               |                    |          | 1,232                                                                |         |
| PROJECT 4337-23-71 TOTAL |                    |          | 1,232                                                                |         |

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

| CATEGORY                 | APROXIMATE<br>STATION | LOCATION | 646.6120<br>MARKING STOP LINE<br>EPOXY<br>18-INCH<br>LF | REMARKS |
|--------------------------|-----------------------|----------|---------------------------------------------------------|---------|
|                          |                       |          | LF                                                      |         |
| 1000                     | PROJECT               | STH 310  | 120                                                     |         |
| PROJECT 4337-23-71 TOTAL |                       |          | 120                                                     |         |

PAVEMENT MARKING

| CATEGORY                 | STATION TO STATION | LOCATION | 646.6320<br>MARKING DOTTED EXTENSION<br>EPOXY 18-INCH<br>WHITE<br>LF | 646.5320<br>MARKING RAILROAD<br>CROSSING EPOXY<br><br>EACH | 646.8220<br>MARKING ISLAND<br>NOSE EPOXY<br>YELLOW<br>EACH | 646.7120<br>MARKING DIAGONAL<br>EPOXY 12-INCH<br>YELLOW<br>LF | REMARKS |
|--------------------------|--------------------|----------|----------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|---------|
|                          |                    |          | LF                                                                   |                                                            |                                                            | LF                                                            |         |
| 1000                     | PROJECT            | STH 310  | 235                                                                  | 2                                                          | 24                                                         | 840                                                           |         |
| PROJECT 4337-23-71 TOTAL |                    |          | 235                                                                  | 2                                                          | 24                                                         | 840                                                           |         |

LOCATING NO-PASSING ZONES

| CATEGORY                 | STATION | TO         | STATION | LOCATION | 648.0100<br>LOCATING NO-PASSING<br>ZONES<br>MI | REMARKS |
|--------------------------|---------|------------|---------|----------|------------------------------------------------|---------|
| 1000                     |         | 4337-23-71 |         | PROJECT  | 5.0                                            |         |
| PROJECT 4337-23-71 TOTAL |         |            |         |          | 5.0                                            |         |

CONSTRUCTION STAKING

| CATEGORY                 | STATION | TO         | STATION | LOCATION | 650.8000<br>CONSTRUCTION STAKING<br>RESURFACING REFERENCE<br>LF | 650.9910<br>CONSTRUCTION STAKING<br>SUPPLEMENTAL CONTROL (PROJECT)<br>LS | REMARKS |
|--------------------------|---------|------------|---------|----------|-----------------------------------------------------------------|--------------------------------------------------------------------------|---------|
| 1000                     |         | 4337-23-71 |         | PROJECT  | 33307                                                           | 1                                                                        |         |
| PROJECT 4337-23-71 TOTAL |         |            |         |          | 33307                                                           | 1                                                                        |         |

SAWING PAVEMENT SUMMARY

| CATEGORY                 | APPROXIMATE<br>STATION | OFFSET | LOCATION  | 690.0150<br>SAWING<br>ASPHALT<br>LF | 690.0250<br>SAWING<br>CONCRETE<br>LF | REMARKS                          |
|--------------------------|------------------------|--------|-----------|-------------------------------------|--------------------------------------|----------------------------------|
| 1000                     | 89+87                  | LT     | CTH R RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 89+95                  | LT     | CTH R RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 89+55                  | RT     | CTH R RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 89+66                  | RT     | CTH R RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 167+10                 | LT     | CTH Q RAB | 14                                  | 5                                    | INLET RECONSTRUCT                |
|                          | 167+28                 | LT     | CTH Q RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 167+43                 | LT     | CTH Q RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 167+58                 | LT     | CTH Q RAB | 14                                  | 5                                    | INLET RECONSTRUCT                |
|                          | 168+03                 | LT     | CTH Q RAB | 24                                  | 5                                    | CENTER CIRCLE INLET RECONSTRUCTS |
|                          | 215+17                 | LT     | CTH B RAB | 14                                  | 5                                    | INLET RECONSTRUCT                |
|                          | 215+33                 | LT     | CTH B RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 215+39                 | LT     | CTH B RAB | 14                                  | 19                                   | INLET RECONSTRUCT                |
|                          | 215+71                 | LT     | CTH B RAB | 24                                  | 5                                    | CENTER CIRCLE INLET RECONSTRUCTS |
|                          | PROJECT                | LT/RT  | STH 310   | 24                                  | 13                                   | UNDISTRIBUTED                    |
| PROJECT 4337-23-71 TOTAL |                        |        |           | 226                                 | 190                                  |                                  |

TRAFFIC CONTROL DETOUR SIGN SUMMARY

| SIGN NO.       | LOCATION                                                                                | SIGN CODE | SIZE W X H | NUMBER IN SERVICE | APPROX. SERVICE PERIOD 12 DAYS | 643.0900 SIGNS DAYS | 643.0420 BARRICADES TYPE III DAY | 643.0705 WARNING LIGHTS TYPE A DAY | 643.1000 SIGNS FIXED MESSAGE SF | 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS | NO. OF CYCLES | 643.0910 COVERING TYPE I SIGNS EACH | 643.0920 COVERING TYPE II SIGNS EACH | REMARKS                                   |
|----------------|-----------------------------------------------------------------------------------------|-----------|------------|-------------------|--------------------------------|---------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------------------|---------------|-------------------------------------|--------------------------------------|-------------------------------------------|
| 1              | I-43 SB, N. OF STH 310, PLACE 1/2 MILE N. OF STH 310 EXIT ON RIGHT SHOULDER             | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | W 20-2A   | 48"X48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 1A             | I-43 SB, N. OF STH 310, COVER EXISTING TYPE I SIGN AS SHOWN                             |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             | 1                                   |                                      | COVER "310-TWO RIVERS"                    |
| 2              | I-43 SB, N. OF STH 310, PLACE 1/2 MILE N. OF STH 310 EXIT IN MEDIAN                     | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | W 20-2A   | 48"X48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 3              | I-43 SB, N. OF STH 310, PLACE 2000' N. OF STH 310 EXIT ON RIGHT SHOULDER                | FMS       | 138"X72"   | 1                 |                                |                     |                                  |                                    | 69                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL SHEET                     |
| 4              | I-43 SB, N. OF STH 310, PLACE 2000' N. OF STH 310 EXIT IN MEDIAN                        | FMS       | 138"X72"   | 1                 |                                |                     |                                  |                                    | 69                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL SHEET                     |
| 5              | I-43 SB, N. OF STH 310, PLACE 1000' N. OF STH 310 EXIT ON RIGHT SHOULDER                | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | MO 6-1    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 6              | I-43 SB, N. OF STH 310, PLACE 1000' N. OF STH 310 EXIT IN MEDIAN                        | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | MO 6-1    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 7              | I-43 SB, N. OF STH 310, PLACE LEFT OF EXISTING TYPE I SIGN AT EXIT RAMP                 | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 | 1             | 1                                   |                                      | COVER "310-TWO RIVERS"                    |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | MO 6-1    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 8              | I-43 SB OFF-RAMP TO STH 310, COVER EXISTING D1-3 SIGN AS SHOWN                          |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER "TWO RIVERS"                        |
| 9              | I-43 SB OFF-RAMP TO STH 310, COVER EXISTING J3-2 SIGN AS SHOWN                          |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER "EAST 310 LT"                       |
| 10             | STH 310, AT I-43 SB RAMP, PLACE ON RIGHT SHOULDER IN SE QUADRANT OF INTERSECTION        | R 11-3    | 60"X30"    | 1                 | 12                             | 12                  | 12                               | 24                                 |                                 |                                                 |               |                                     |                                      | XX MILES AHEAD, WILL CHANGE AS WORK MOVES |
|                | "                                                                                       | M 4-9R    | 30"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 11             | STH 310, BETWEEN I-43 RAMPS, COVER EXISTING J2-2 SIGN AS SHOWN IN MEDIAN                |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER "EAST 310 AHEAD"                    |
| 12             | STH 310, BETWEEN I-43 RAMPS, COVER EXISTING J2-2 SIGN AS SHOWN ON RIGHT SHOULDER        |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER "EAST 310 AHEAD"                    |
| 13             | STH 310, E. OF I-43, COVER EXISTING J4-1 SIGN AS SHOWN                                  |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER ENTIRE SIGN                         |
| 14             | STH 310, E. OF I-43, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION                  | PCMS      |            | 1                 |                                |                     |                                  |                                    |                                 | 7                                               |               |                                     |                                      | PLACE IN ADVANCE OF CLOSURE               |
| 15             | US 10, AT I-43 SB RAMP, PLACE ON RIGHT SHOULDER AT RIGHT TURN LANE TO 43 SB RAMP        | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | MO 6-1    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | RIGHT                                     |
| 16             | US 10, W. OF I-43 SB RAMP, MODIFY EXISTING J2-2 SIGN AS SHOWN                           | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | MO 5-1R   | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 17             | US 10, W. OF I-43 SB RAMP, PLACE 2000' W. OF I-43 SB RAMP INTERSECTION                  | FMS       | 72"X48"    | 1                 |                                |                     |                                  |                                    | 24                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL SHEET                     |
| 18             | US 10, W. OF I-43 SB RAMP, PLACE 3000' W. OF I-43 SB RAMP INTERSECTION                  | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | W 20-2A   | 48"X48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 19             | I-43 NB, AT STH 310 EXIT, COVER EXISTING TYPE I SIGN AS SHOWN                           |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             | 1                                   |                                      | COVER "310 - TWO RIVERS"                  |
| 20             | I-43 SB, S. OF STH 310, PLACE RIGHT OF EXISTING J4-2 SIGN                               | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
| 21             | I-43 NB, S. OF STH 310, COVER EXISTING TYPE I SIGN AS SHOWN                             |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             | 1                                   |                                      | COVER "310 - TWO RIVERS"                  |
| 22             | I-43 NB, AT STH 310 EXIT, PLACE LEFT OF EXISTING TYPE I SIGN                            | M 4-8A    | 30"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-4     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
| 23             | I-43 SB, N. OF US 10/STH 42 EXIT, PLACE 1000' N. OF US 10/STH 42 EXIT ON RIGHT SHOULDER | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                       | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                       | MO 5-2R   | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| PAGE SUBTOTALS |                                                                                         |           |            | 40                |                                | 432                 | 12                               | 24                                 | 162.0                           | 7                                               |               | 4                                   | 5                                    |                                           |

PLAN SHEET PRODUCED  
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

| SIGN NO.       | LOCATION                                                                                               | SIGN CODE | SIZE W X H | NUMBER IN SERVICE | APPROX. SERVICE PERIOD 12 DAYS | 643.0900 SIGNS DAYS | 643.0420 BARRICADES TYPE III DAY | 643.0705 WARNING LIGHTS TYPE A DAY | 643.1000 SIGNS FIXED MESSAGE SF | 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS | NO. OF CYCLES | 643.0910 COVERING TYPE I SIGNS EACH | 643.0920 COVERING TYPE II SIGNS EACH | REMARKS                |
|----------------|--------------------------------------------------------------------------------------------------------|-----------|------------|-------------------|--------------------------------|---------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------------------|---------------|-------------------------------------|--------------------------------------|------------------------|
| 24             | I-43 SB, N. OF US 10/STH 42 EXIT, PLACE 1000' N. OF US 10/STH 42 EXIT IN MEDIAN                        | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 5-2R   | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 25             | I-43 SB, AT US 10/STH 42 EXIT, PLACE LEFT OF EXISTING TYPE I SIGN AT US 10/STH 42 EXIT                 | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 6-2    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | TILT RIGHT             |
| 26             | I-43 SB OFF-RAMP TO US 10/STH 42, PLACE 500' PRIOR TO RAMP INTERSECTION ON LEFT SHOULDER               | MO 4-8    | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 24"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 5-1L   | 21"X21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 27             | I-43 SB OFF-RAMP TO US 10/STH 42, PLACE LEFT OF EXISTING HOSPITAL J-ASSEMBLY AT RAMP INTERSECTION      | MO 4-8    | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 24"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 6-1    | 21"X21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | LEFT                   |
| 28             | I-43 NB OFF-RAMP TO US 10/STH 42, PLACE RIGHT OF EXISTING R1-1 SIGN AT RAMP INTERSECTION               | MO 4-8    | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 24"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 6-1    | 21"X21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | RIGHT                  |
| 29             | I-43 NB OFF-RAMP TO US 10/STH 42, PLACE 500' PRIOR TO RAMP INTERSECTION ON RIGHT SHOULDER              | MO 4-8    | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 24"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 5-1R   | 21"X21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 30             | I-43 NB, AT US 10/STH 42 EXIT, PLACE LEFT OF EXISTING TYPE I SIGN AT EXIT                              | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 6-2    | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | TILT RIGHT             |
| 31             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 1000' S. OF EXIT RAMP IN MEDIAN                                | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 5-2R   | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 32             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 1000' S. OF EXIT RAMP ON RIGHT SHOULDER                        | MO 4-8    | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-2     | 36"X18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 5-2R   | 30"X30"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 33             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 2000' S. OF EXIT RAMP IN MEDIAN                                | FMS       | 138"X72"   | 1                 |                                |                     |                                  |                                    | 69                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL DETAIL |
| 34             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 2000' S. OF EXIT RAMP ON RIGHT SHOULDER                        | FMS       | 138"X72"   | 1                 |                                |                     |                                  |                                    | 69                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL DETAIL |
| 35             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 1/2 MILE S. OF EXIT RAMP IN MEDIAN                             | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | W 20-2A   | 48"X48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 36             | I-43 NB, S. OF US 10/STH 42 EXIT, PLACE 1/2 MILE S. OF EXIT RAMP ON RIGHT SHOULDER                     | M 1-6     | 36"X36"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | W 20-2A   | 48"X48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
| 37             | US 10/STH 42, AT I-43 NB RAMP, PLACE ON RIGHT SHOULDER AT RIGHT TURN LANE AT I-43 NB RAMP INTERSECTION | MO 4-8    | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 3-4     | 24"X12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                        |
|                | "                                                                                                      | M 1-6     | 24"X24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                    |
|                | "                                                                                                      | MO 6-1    | 21"X21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | RIGHT                  |
| PAGE SUBTOTALS |                                                                                                        |           |            | 46                |                                | 528                 | 0                                | 0                                  | 138.0                           | 0                                               |               | 0                                   | 0                                    |                        |

PLAN SHEET PRODUCED  
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

| SIGN NO.       | LOCATION                                                                        | SIGN CODE | SIZE W X H | NUMBER IN SERVICE | APPROX. SERVICE PERIOD 12 DAYS | 643.0900 SIGNS DAYS | 643.0420 BARRICADES TYPE III DAY | 643.0705 WARNING LIGHTS TYPE A DAY | 643.1000 SIGNS FIXED MESSAGE SF | 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS | NO. OF CYCLES | 643.0910 COVERING TYPE I SIGNS EACH | 643.0920 COVERING TYPE II SIGNS EACH | REMARKS    |
|----------------|---------------------------------------------------------------------------------|-----------|------------|-------------------|--------------------------------|---------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------------------|---------------|-------------------------------------|--------------------------------------|------------|
| 38             | US 10/STH 42, E. OF I-43, PLACE RIGHT OF EXISTING J4-2 SIGN                     | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
| 39             | US 10/STH 42, E. OF I-43 NB RAMP, PLACE 500' E. OF I-43 NB RAMP INTERSECTION    | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 5-1R   | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
| 40             | US 10/STH 42, W. OF CTH R, PLACE 150' W. OF CTH R INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 41             | US 10/STH 42, E. OF CTH R, PLACE 150' E. OF CTH R INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 42             | US 10/STH 42, W. OF CTH Q, PLACE 150' W. OF CTH Q INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 43             | US 10/STH 42, E. OF CTH Q, PLACE 150' E. OF CTH Q INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 44             | US 10/STH 42, W. OF CTH B, PLACE 150' W. OF CTH B INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 45             | US 10/STH 42, E. OF CTH B, PLACE 150' E. OF CTH B INTERSECTION                  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD      |
| 46             | STH 42, W. OF MARITIME RAB, PLACE 150' W. OF MARITIME RAB INTERSECTION          | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | LEFT       |
| 47             | STH 42, AT MARITIME RAB, PLACE IN WEST LEG SPLITTER ISLAND AT RAB INTERSECTION  | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-2    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | TILT RIGHT |
| 48             | STH 42, AT MARITIME RAB, PLACE IN NORTH LEG SPLITTER ISLAND AT RAB INTERSECTION | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |            |
|                | "                                                                               | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310        |
|                | "                                                                               | MO 6-2    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | TILT RIGHT |
| PAGE SUBTOTALS |                                                                                 |           |            | 43                |                                | 516                 | 0                                | 0                                  | 0.0                             | 0                                               |               | 0                                   | 0                                    |            |

PLAN SHEET PRODUCED  
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

| SIGN NO.       | LOCATION                                                                          | SIGN CODE | SIZE W X H | NUMBER IN SERVICE | APPROX. SERVICE PERIOD 12 DAYS | 643.0900 SIGNS DAYS | 643.0420 BARRICADES TYPE III DAY | 643.0705 WARNING LIGHTS TYPE A DAY | 643.1000 SIGNS FIXED MESSAGE SF | 643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS | NO. OF CYCLES | 643.0910 COVERING TYPE I SIGNS EACH | 643.0920 COVERING TYPE II SIGNS EACH | REMARKS                                   |
|----------------|-----------------------------------------------------------------------------------|-----------|------------|-------------------|--------------------------------|---------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------------------|---------------|-------------------------------------|--------------------------------------|-------------------------------------------|
| 49             | STH 42, N. OF MARITIME RAB, PLACE 150' N. OF MARITIME RAB INTERSECTION            | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                 | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | RIGHT                                     |
| 50             | STH 42, W. OF CTH DD, PLACE 150' W. OF CTH DD INTERSECTION                        | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 3-2     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                 | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 51             | STH 42, E. OF CTH DD, PLACE 150' E. OF CTH DD INTERSECTION                        | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                 | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 52             | STH 42, S. OF STH 310, MODIFY EXISITNG J1-1 SIGN AS SHOWN                         | M 4-8A    | 24"x18"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 53             | STH 42, S. OF STH 310, PLACE 250' S. OF STH 310 INTERSECTION                      | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 3-4     | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
| 54             | STH 42, S. OF STH 310, COVER EXISTING J2-1 SIGN AS SHOWN                          |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER ENTIRE SIGN                         |
| 55             | STH 42, S. OF STH 310, COVER EXISTING J3-1 SIGN AS SHOWN                          |           |            |                   |                                |                     |                                  |                                    |                                 |                                                 | 1             |                                     | 1                                    | COVER ENTIRE SIGN                         |
| 56             | STH 310, AT STH 42, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF INTERSECTION        | R 11-3    | 60"x30"    | 1                 | 12                             | 12                  | 12                               | 24                                 |                                 |                                                 |               |                                     |                                      | XX MILES AHEAD, WILL CHANGE AS WORK MOVES |
|                | "                                                                                 | MO 4-9L   | 30"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| 57             | STH 310, W. OF STH 42, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION          | PCMS      |            | 1                 |                                |                     |                                  |                                    |                                 | 7                                               |               |                                     |                                      | PLACE IN ADVANCE OF CLOSURE               |
| 58             | STH 310, AT CTH DD, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF CTH DD INTERSECTION | R 11-3    | 60"x30"    | 1                 | 12                             | 12                  | 12                               | 24                                 |                                 |                                                 |               |                                     |                                      | XX MILES AHEAD, WILL CHANGE AS WORK MOVES |
| 59             | STH 42, N. OF STH 310, MODIFY EXISTING J3-1 SIGN AS SHOWN                         | MO 4-8    | 24"x12"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
|                | "                                                                                 | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 60             | STH 42, N. OF STH 310, MODIFY EXISTING J2-1 SIGN AS SHOWN                         | MO 6-1    | 21"x21"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | AHEAD                                     |
| 61             | STH 42, N. OF STH 310, PLACE 1000' N. OF STH 310 INTERSECTION                     | FMS       | 48"x36"    | 1                 |                                |                     |                                  |                                    | 12                              |                                                 |               |                                     |                                      | SEE SIGN DETAIL SHEET                     |
| 62             | STH 42, N. OF STH 310, PLACE 1500' N. OF STH 310 INTERSECTION                     | M 1-6     | 24"x24"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      | 310                                       |
|                | "                                                                                 | W 20-2A   | 48"x48"    | 1                 | 12                             | 12                  |                                  |                                    |                                 |                                                 |               |                                     |                                      |                                           |
| PAGE SUBTOTALS |                                                                                   |           |            | 26                |                                | 288                 | 24                               | 48                                 | 12                              | 7                                               |               | 0                                   | 2                                    |                                           |
| DETOUR TOTALS  |                                                                                   |           |            | 155               |                                | 1,764               | 36                               | 72                                 | 312                             | 14                                              |               | 4                                   | 7                                    |                                           |

PLAN SHEET PRODUCED  
BY WisDOT - NE REGION





|                        |              |                   |                       |       |   |
|------------------------|--------------|-------------------|-----------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PLAN SHEETS - STH 310 | SHEET | E |
|------------------------|--------------|-------------------|-----------------------|-------|---|





|                        |              |                   |                       |       |   |
|------------------------|--------------|-------------------|-----------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PLAN SHEETS - STH 310 | SHEET | E |
|------------------------|--------------|-------------------|-----------------------|-------|---|





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|------------------------|--------------|-------------------|-----------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PLAN SHEETS - STH 310 | SHEET | E |
|------------------------|--------------|-------------------|-----------------------|-------|---|



2

2

MATCH LINE 261+00

MATCH LINE 276+00

MATCH LINE 276+00

MATCH LINE 291+00

|                        |              |                   |                       |       |   |
|------------------------|--------------|-------------------|-----------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PLAN SHEETS - STH 310 | SHEET | E |
|------------------------|--------------|-------------------|-----------------------|-------|---|



2

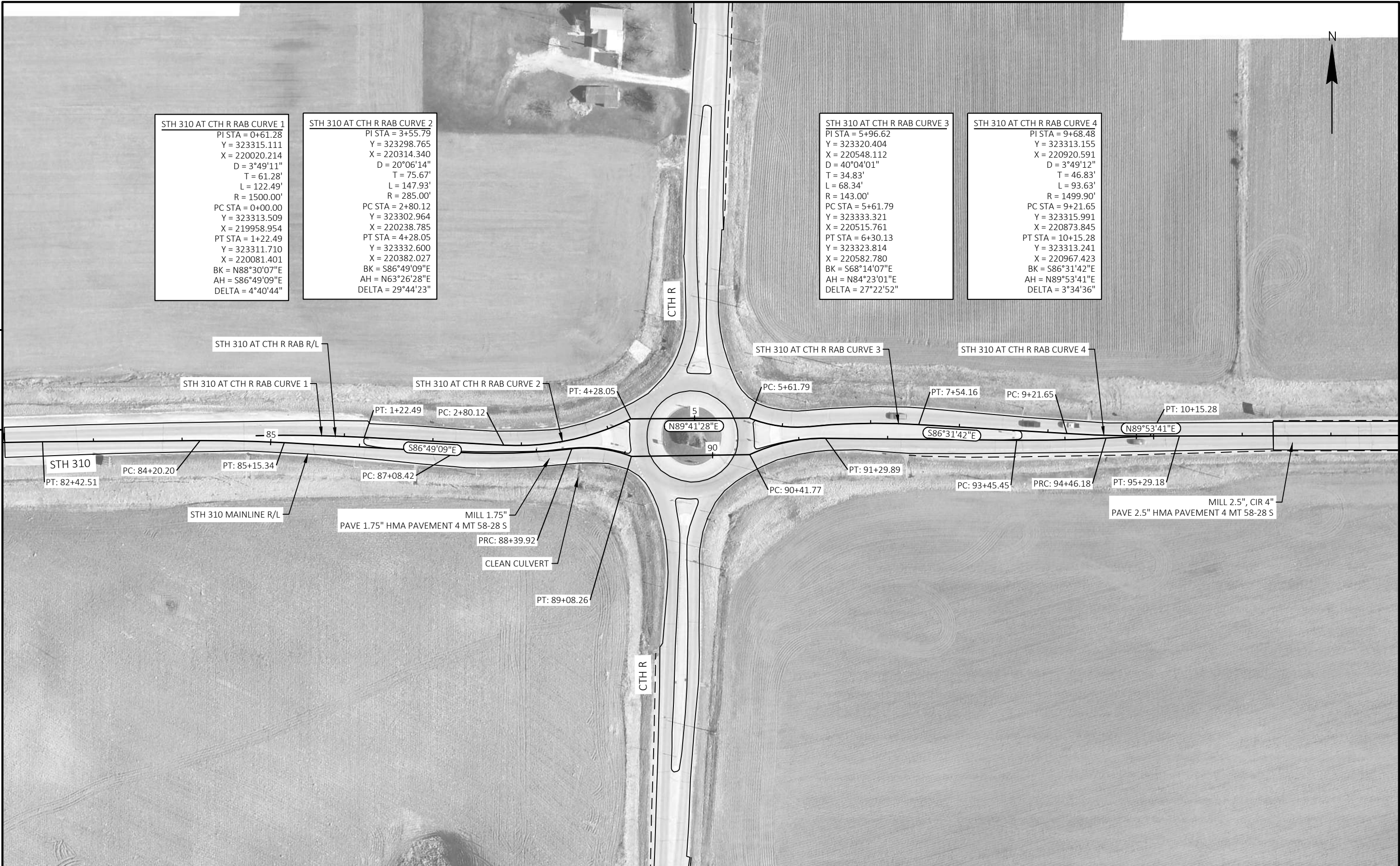
2

|                        |              |                   |                       |       |   |
|------------------------|--------------|-------------------|-----------------------|-------|---|
| PROJECT NO: 4337-23-71 | HWY: STH 310 | COUNTY: MANITOWOC | PLAN SHEETS - STH 310 | SHEET | E |
|------------------------|--------------|-------------------|-----------------------|-------|---|







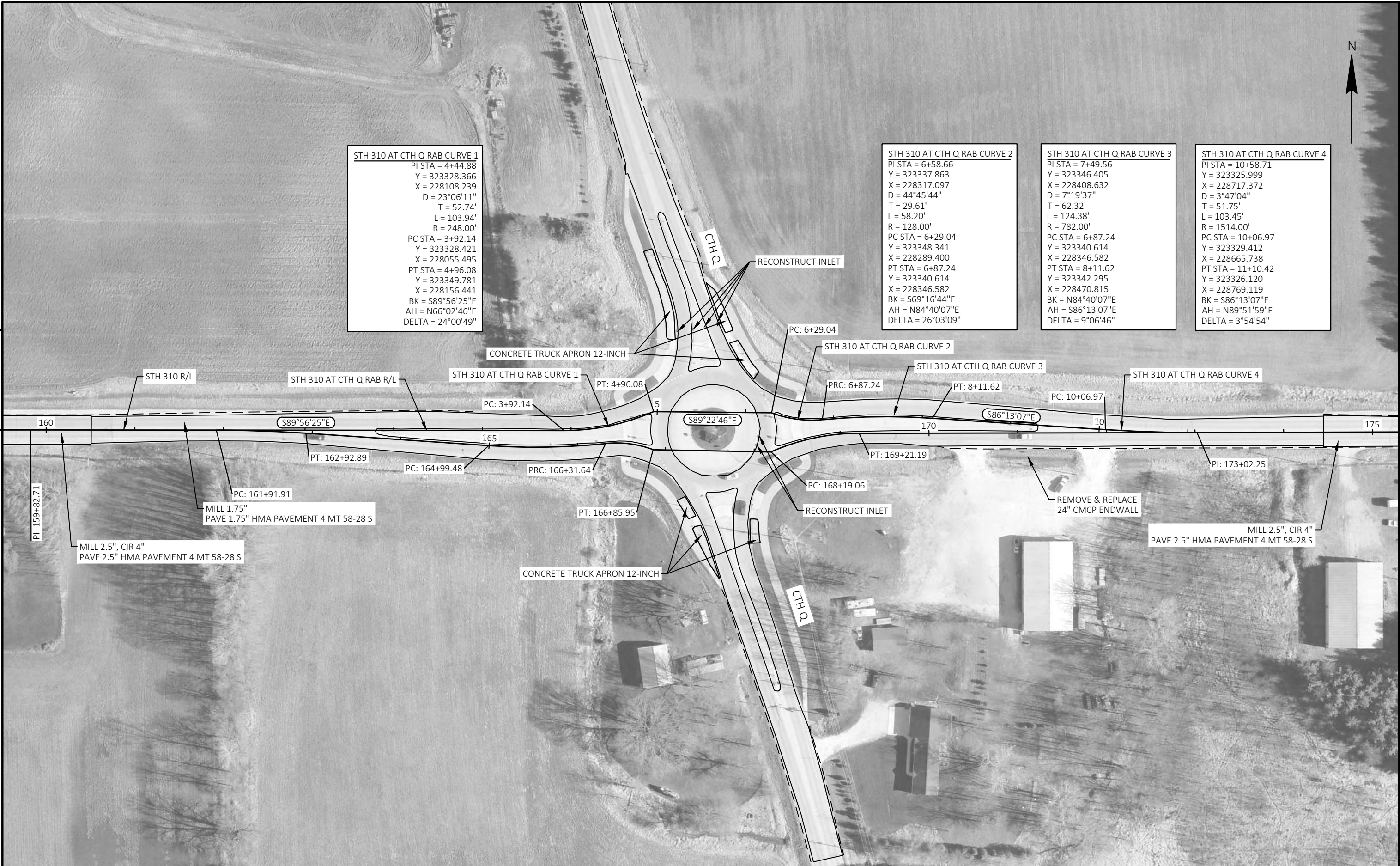


STH 310 AT CTH R RAB CURVE 1  
PI STA = 0+61.28  
Y = 323315.111  
X = 220020.214  
D = 3°49'11"  
T = 61.28'  
L = 122.49'  
R = 1500.00'  
PC STA = 0+00.00  
Y = 323313.509  
X = 219958.954  
PT STA = 1+22.49  
Y = 323311.710  
X = 220081.401  
BK = N88°30'07"E  
AH = S86°49'09"E  
DELTA = 4°40'44"

STH 310 AT CTH R RAB CURVE 2  
PI STA = 3+55.79  
Y = 323298.765  
X = 220314.340  
D = 20°06'14"  
T = 75.67'  
L = 147.93'  
R = 285.00'  
PC STA = 2+80.12  
Y = 323302.964  
X = 220238.785  
PT STA = 4+28.05  
Y = 323332.600  
X = 220382.027  
BK = S86°49'09"E  
AH = N63°26'28"E  
DELTA = 29°44'23"

STH 310 AT CTH R RAB CURVE 3  
PI STA = 5+96.62  
Y = 323320.404  
X = 220548.112  
D = 40°04'01"  
T = 34.83'  
L = 68.34'  
R = 143.00'  
PC STA = 5+61.79  
Y = 323333.321  
X = 220515.761  
PT STA = 6+30.13  
Y = 323323.814  
X = 220582.780  
BK = S68°14'07"E  
AH = N84°23'01"E  
DELTA = 27°22'52"

STH 310 AT CTH R RAB CURVE 4  
PI STA = 9+68.48  
Y = 323313.155  
X = 220920.591  
D = 3°49'12"  
T = 46.83'  
L = 93.63'  
R = 1499.90'  
PC STA = 9+21.65  
Y = 323315.991  
X = 220873.845  
PT STA = 10+15.28  
Y = 323313.241  
X = 220967.423  
BK = S86°31'42"E  
AH = N89°53'41"E  
DELTA = 3°34'36"

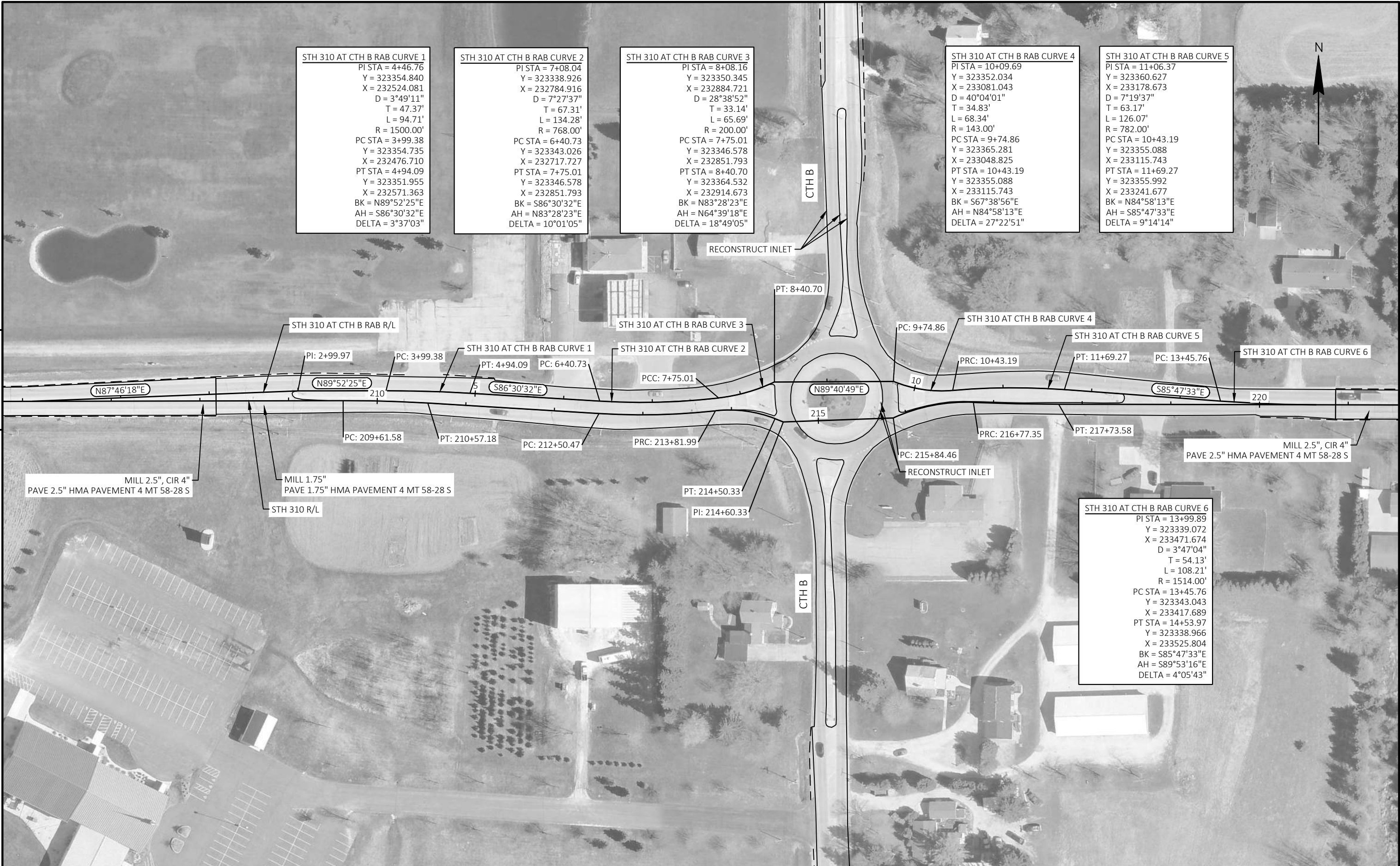


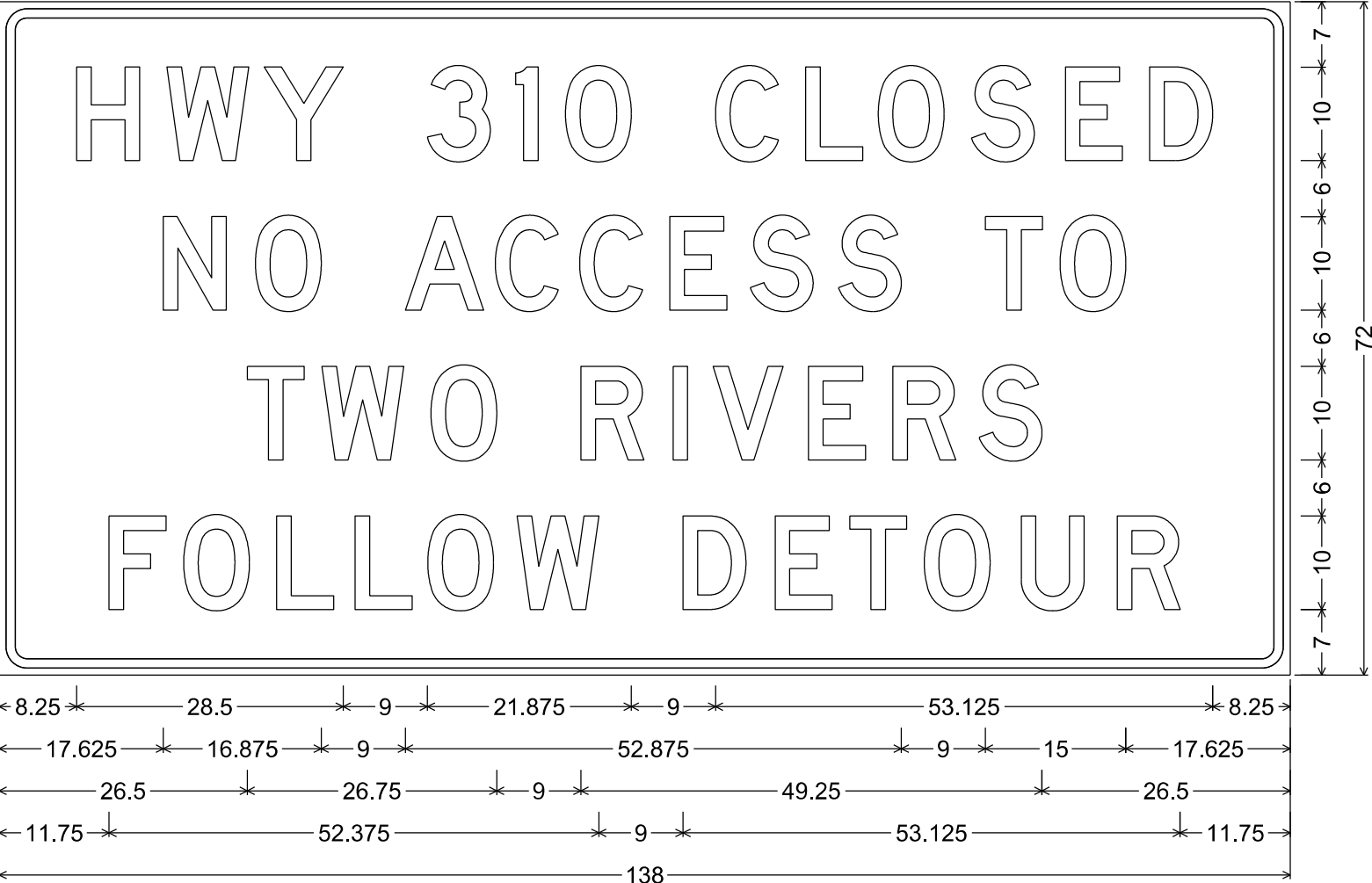
STH 310 AT CTH Q RAB CURVE 1  
PI STA = 4+44.88  
Y = 323328.366  
X = 228108.239  
D = 23°06'11"  
T = 52.74'  
L = 103.94'  
R = 248.00'  
PC STA = 3+92.14  
Y = 323328.421  
X = 228055.495  
PT STA = 4+96.08  
Y = 323349.781  
X = 228156.441  
BK = S89°56'25"E  
AH = N66°02'46"E  
DELTA = 24°00'49"

STH 310 AT CTH Q RAB CURVE 2  
PI STA = 6+58.66  
Y = 323337.863  
X = 228317.097  
D = 44°45'44"  
T = 29.61'  
L = 58.20'  
R = 128.00'  
PC STA = 6+29.04  
Y = 323348.341  
X = 228289.400  
PT STA = 6+87.24  
Y = 323340.614  
X = 228346.582  
BK = S69°16'44"E  
AH = N84°40'07"E  
DELTA = 26°03'09"

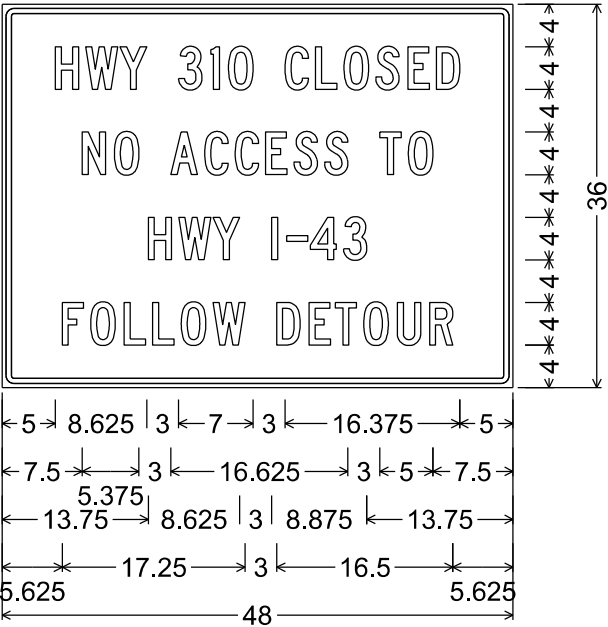
STH 310 AT CTH Q RAB CURVE 3  
PI STA = 7+49.56  
Y = 323346.405  
X = 228408.632  
D = 7°19'37"  
T = 62.32'  
L = 124.38'  
R = 782.00'  
PC STA = 6+87.24  
Y = 323340.614  
X = 228346.582  
PT STA = 8+11.62  
Y = 323342.295  
X = 228470.815  
BK = N84°40'07"E  
AH = S86°13'07"E  
DELTA = 9°06'46"

STH 310 AT CTH Q RAB CURVE 4  
PI STA = 10+58.71  
Y = 323325.999  
X = 228717.372  
D = 3°47'04"  
T = 51.75'  
L = 103.45'  
R = 1514.00'  
PC STA = 10+06.97  
Y = 323329.412  
X = 228665.738  
PT STA = 11+10.42  
Y = 323326.120  
X = 228769.119  
BK = S86°13'07"E  
AH = N89°51'59"E  
DELTA = 3°54'54"





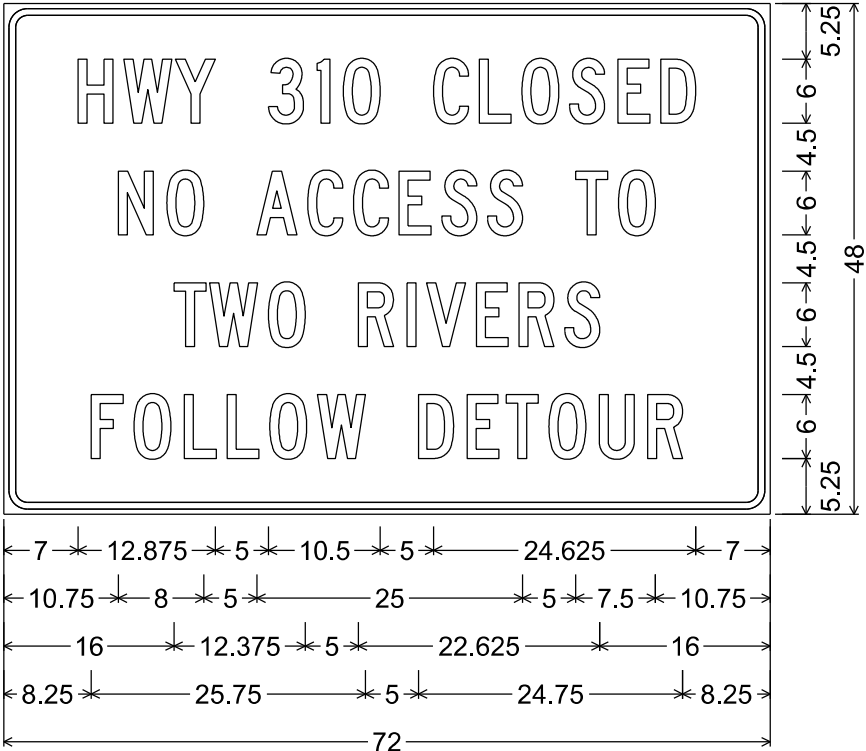
3.000" Radius, 1.000" Border, 0.750" Indent



1.125" Radius, 0.500" Border, 0.375" Indent  
"HWY", C; "310", C; "CLOSED", C; "NO", C; "ACCESS",  
C; "TO", C; "HWY", C; "I-43", C; "FOLLOW", C; "DETOUR", C;

NOTES

- 1. All Signs Type II - Type F Reflective
- 2. Color:
  - Background - Orange
  - Message - Black
- 3. Message Series - D except as noted



2.250" Radius, 0.625" Border, 0.500" Indent  
"HWY", C; "310", C; "CLOSED", C; "NO", C;  
"ACCESS", C; "TO", C; "TWO", C; "RIVERS", C;  
"FOLLOW", C; "DETOUR", C;